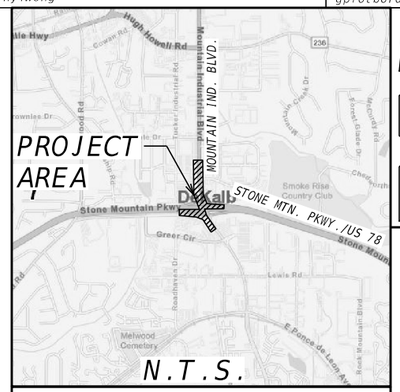



N.T.S.

LOCATION SKETCH

# CITY OF TUCKER, GEORGIA

## PLAN AND PROFILE OF PROPOSED

# US 78/SR 410 AT CR 9476/MOUNTAIN INDUSTRIAL BLVD INTERSECTION IMPROVEMENT

FEDERAL AID PROJECT

DEKALB COUNTY

FEDERAL ROUTE No.: 78
STATE ROUTE No.: 410, SR 8 CONN
P.I. No.: 0017399

NOTE :
ALL REFERENCES IN THIS DOCUMENT, WHICH INCLUDES ALL PAPERS, WRITINGS, DOCUMENTS, DRAWINGS, OR PHOTOGRAPHS USED, OR TO BE USED IN CONNECTION WITH THIS DOCUMENT, TO " STATE HIGHWAY DEPARTMENT OF GEORGIA ", " STATE HIGHWAY DEPARTMENT ", " GEORGIA STATE HIGHWAY DEPARTMENT ", " HIGHWAY DEPARTMENT ", OR " DEPARTMENT " WHEN THE CONTEXT THEREOF MEANS THE STATE HIGHWAY DEPARTMENT OF GEORGIA, AND SHALL BE DEEMED TO MEAN THE DEPARTMENT OF TRANSPORTATION.

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE 2026 CONSTRUCTION STANDARDS AND DETAILS BOOK AND ATTACHED APPLICABLE REVISIONS. THE 2026 CONSTRUCTION STANDARDS AND DETAILS BOOK IS AVAILABLE AT: https://mydocs.dot.ga.gov/info/gdotpubs/ConstructionStandardsAndDetails/Forms/AllItems.aspx
ANY REVISIONS CONTAINED WITHIN THIS PLAN SET SUPERSEDE THE 2026 CONSTRUCTION STANDARDS AND DETAILS BOOK WHICH THEY REVISE OR IN WHICH THERE IS A CONFLICT.

DESIGN DATA:
TRAFFIC A.D.T.: 39,000(2027)
TRAFFIC A.D.T.: 47,600(2047)
TRAFFIC D.H.V.: 3,765
DIRECTIONAL DIST: 50%
% TRUCKS: 9.5%
24 HR.TRUCKS %: 8.5%
SPEED DESIGN: 45 MPH

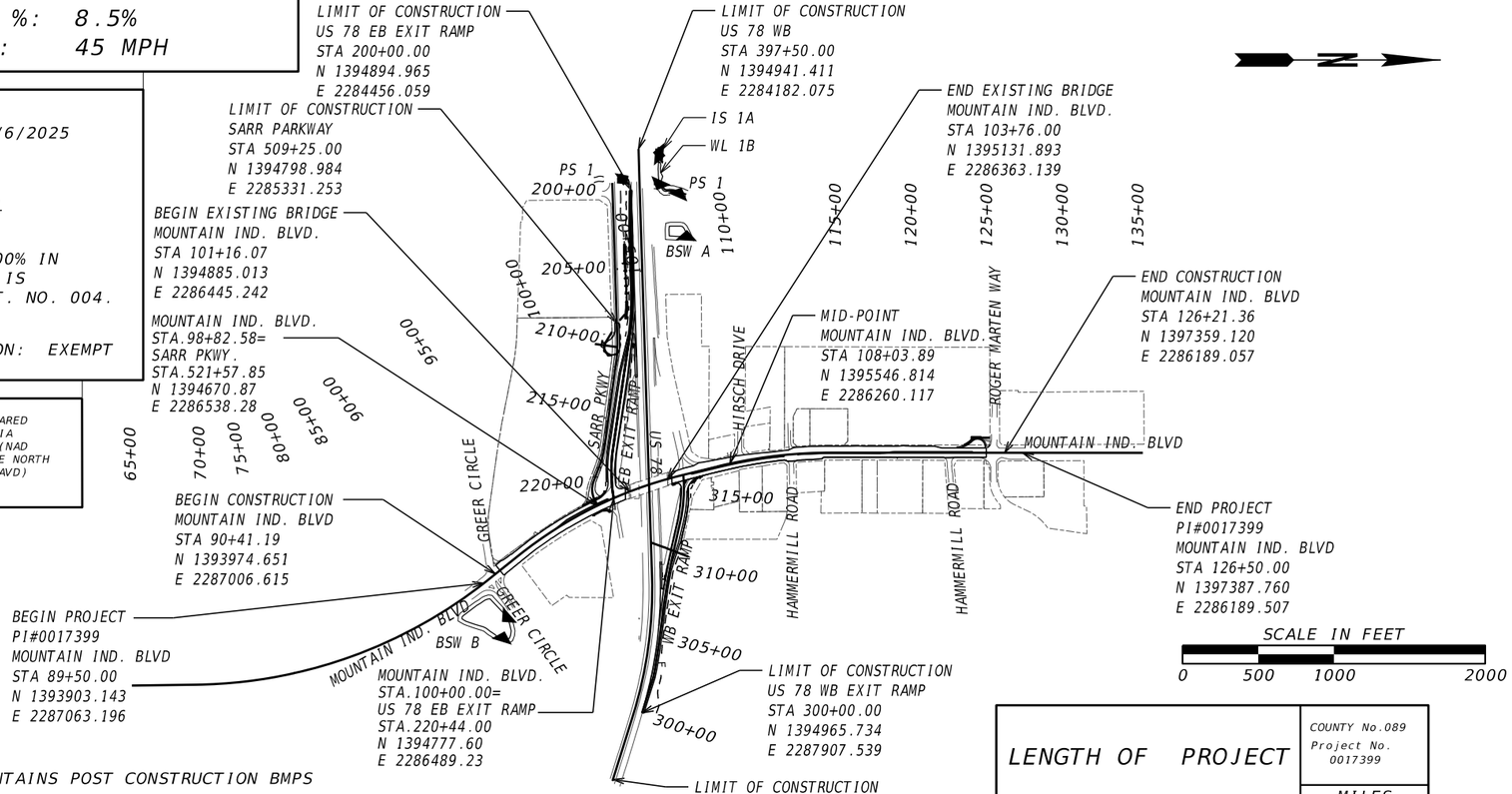
LOCATION & DESIGN APPROVAL DATE: 3/6/2025

FUNCTIONAL CLASS: PRINCIPAL ARTERIAL

THIS PROJECT IS 100% IN DEKALB COUNTY AND IS 100% IN CONG. DIST. NO. 004.

PROJECT DESIGNATION: EXEMPT

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.




THIS PROJECT CONTAINS POST CONSTRUCTION BMPS

THE DATA, TOGETHER WITH ALL OTHER INFORMATION SHOWN ON THESE PLANS OR IN ANYWAY INDICATED THEREBY, WHETHER BY DRAWINGS OR NOTES, OR IN ANY OTHER MANNER, ARE BASED UPON FIELD INVESTIGATIONS AND ARE BELIEVED TO BE INDICATIVE OF ACTUAL CONDITIONS. HOWEVER, THE SAME ARE SHOWN AS INFORMATION ONLY, ARE NOT GUARANTEED, AND DO NOT BIND THE DEPARTMENT OF TRANSPORTATION IN ANY WAY. THE ATTENTION OF BIDDER IS SPECIFICALLY DIRECTED TO SUBSECTIONS 102.04, 102.05, AND 104.03 OF THE SPECIFICATIONS.

| LENGTH OF PROJECT | COUNTY No.089 Project No. 0017399 |
|---|---|
| | MILES |
| NET LENGTH OF ROADWAY | 0.6599 |
| NET LENGTH OF BRIDGES | 0.0492 |
| NET LENGTH OF PROJECT | 0.7092 |
| NET LENGTH OF EXCEPTIONS | 0.0000 |
| GROSS LENGTH OF PROJECT | 0.7092 |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

PLANS PREPARED BY:

DESIGN

| | |
|---|---|
| PLANS COMPLETED 01-16-2026 | |
| REVISIONS | |
| | |
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| | |

DRAWING No. 01-0001

THE DRAWINGS AS LISTED BELOW
HAVE BEEN SIGNED AND SEALED BY

B. MARK HANSON
PE No 32208

ATLAS TECHNICAL CONSULTANTS
2450 COMMERCE AVE, SUITE 100
DULUTH, GA 30096

| DRAWING No. | DRAWING DESCRIPTION |
|---|---|
| 01-0002 | SIGNATURE SHEET |
| 02-0001 | INDEX SHEET |
| 03-0001 | REVISION SUMMARY DRAWING |
| 04-0001 - 04-0005 | GENERAL NOTES |
| 05-0001 - 05-0010 | TYPICAL SECTIONS |
| 06-0001 - 06-0003 | SUMMARY OF QUANTITIES |
| 07-0001 | QUANTITIES REQUIRED BY AMENDMENT DRAWING |
| 08-0001 | QUANTITIES REQUIRED ON CONSTRUCITON DRAWING |
| 10-0001 - 10-0008 | TRAFFIC DIAGRAM |
| 11-0001 - 11-0003 | CONSTRUCTION LAYOUT |
| 13-0001 - 13-0016 | MAINLINE PLAN |
| 15-0001 - 15-0004 | MAINLINE PROFILE |
| 16-0001 - 16-0005 | CROSSROAD PROFILE |
| 17-0001 | DRIVEWAY PROFILE |
| 19-0000 - 19-0062 | CONSTRUCTION STAGING PLAN/CROSS SECTION |
| 21-0001 - 21-0003 | DRAINAGE AREA MAP |
| 22-0001 | DRAINAGE PROFILES |
| 23-0001 - 23-0045 | CROSS SECTIONS |
| 24-0001 - 24-0014 | UTILITY PLANS |
| 51-0001 - 51-0008 | EROSION, SEDIMENTATION AND POLLUTION CONTROL GENERAL NOTES |
| 53-0001 | ESPCP DRAINAGE AREA MAP |
| 54-0001 - 54-0073 | CONSTRUCTION BMP LOCATION DETAILS |
| 55-0001 | WATERSHED MAP AND SITE MONITORING LOCATION |

NOTE: DRAWINGS IN SECTIONS 40, 41, 52, AND 56
ARE GDOT STANDARDS AND DETAILS AND ARE NOT
COVERED BY THIS SIGNATURE AND SEAL. DRAWINGS
IN SECTION 38 CONTAIN GDOT SPECIAL DESIGN DETAILS
AND ARE NOT COVERED BY THIS SIGNATURE AND SEAL
UNLESS OTHERWISE LISTED IN THE ABOVE DRAWING LIST.

1/16/2026

THE DRAWINGS AS LISTED BELOW
HAVE BEEN SIGNED AND SEALED BY

JOSEPH D. MARSH
PE No 36491

WI-SKIES, LLC
30375 US-90
SPANISH FORT, AL 36527

| DRAWING No. | DRAWING DESCRIPTION |
|---|---|
| 01-0002 | SIGNATURE SHEET |
| 25-0001 - 25-0024 | LIGHTING PLANS AND DETAILS |

THE DRAWINGS AS LISTED BELOW
HAVE BEEN SIGNED AND SEALED BY

ROBINSON P. NICOL
PE No 34668

ATLAS TECHNICAL CONSULTANTS
2450 COMMERCE AVE, SUITE 100
DULUTH, GA 30096

1/16/2026

| DRAWING No. | DRAWING DESCRIPTION |
|---|---|
| 01-0002 | SIGNATURE SHEET |
| 26-0001 - 26-0017 | SIGNING AND MARKING PLANS AND DETAILS |
| 27-0001 - 27-0013 | SIGNAL PLANS |
| 28-0001 - 28-0012 | ITS PLANS |

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770.263.5945

REVISION DATES

SIGNATURE SHEET
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | |
| CORRECTED: | | DATE: | | 01-0002 |
| VERIFIED: | | DATE: | | |

| DRAWING NO. | DESCRIPTION | DATE |
|---|---|---|
| 1-0001 | COVER | |
| 1-0002 | SIGNATURE SHEET | |
| 2-0001 | INDEX | |
| 3-0001 | REVISION SUMMARY | |
| 4-0001 TO 4-0005 | GENEREAL NOTES | |
| 5-0001 TO 5-0010 | TYPICAL SECTIONS | |
| 6-0001 TO 6-0005 | SUMMARY OF QUANTITIES | |
| 7-0001 | QUANTITIES (AMMENDMENT) | |
| 8-0001 | QUANTITIES (CONSTRUCTION) | |
| 10-0001 TO 10-0008 | TRAFFIC DIAGRAM | |
| 11-0001 TO 11-0003 | CONSTRUCTION LAYOUT | |
| 13-0001 TO 13-0015 | MAINLINE PLAN | |
| 15-0001 TO 15-0004 | MAINLINE PROFILE | |
| 16-0001 TO 16-0005 | CROSS ROAD PROFILES | |
| 17-0001 | DRIVEWAY PROFILES | |
| 19-0000 TO 19-0060 | CONSTRUCTION STAGING PLAN | |
| 21-0001 TO 21-0003 | DRAINAGE AREA MAP | |
| 22-0001 | DRAINAGE PROFILES | |
| 23-0001 TO 23-0043 | CROSS-SECTIONS | |
| 24-0000 TO 24-0014 | UTILITY PLANS | |
| 25-0001 TO 25-0024 | LIGHTING PLANS | |
| 26-0001 TO 26-0017 | SIGNING AND MARKING PLANS | |
| 27-0001 TO 27-0013 | SIGNAL PLANS | |
| 28-0000 TO 28-0012 | ITS PLANS | |
| 31-0001 | RETAINING WALL EMVELOPE | |
| 38-0001 TO 38-0008 | SPECIAL CONSTRUCTION DETAIL | |
| 50-0001 | EROSION CONTROL COVER SHEET | |
| 51-0001 TO 51-0008 | BMP GENERAL NOTES | |
| 52-0001 | EC-L1 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 1 OF 7) (03-2017) | |
| 52-0002 | EC-L2 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 2 OF 7) (11-2018) | |
| 52-0003 | EC-L3 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 3 OF 7) (03-2017) | |
| 52-0004 | EC-L4 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 4 OF 7) (03-2017) | |
| 52-0005 | EC-L5 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 5 OF 7) (03-2017) | |
| 52-0006 | EC-L6 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 6 OF 7) (11-2018) | |
| 52-0007 | EC-L7 EROSION CONTROL LEGEND AND UNIFORM CODE SHEET (SHEET 7 OF 7) (03-2017) | |
| 53-0001 TO 53-0004 | EROSION CONTROL DRAINAGE AREA MAP | |
| 54-0001 TO 54-0074 | BMP LOCATION DETAILS | |
| 55-0001 | WATERSHED MAP SITE MONITORING PLAN | |
| 56-0001 TO 56-0012 | EROSION CONTROL CONSTRUCTION DETAILS | |
| 56-0001 | D-20: SILT CONTROL GATES FOR STRUCTURES TYPE - 1,2, AND 3(SHEET 1OF 9)(12-2000) | |
| 56-0002 | D-24A: TEMPORARY SILT FENCE (SHEET 2 OF 9)(9-2022) | |
| 56-0003 | D-24B: TEMPORARY SILT FENCE BERM DITCH,INSTALLATION, BRUSH BARRIER (SHEET 3 OF 9) | |
| 56-0004 | D-24C: TEMPORARY SILT FENCE J-HOOKS, INLET SEDIMENT TRAPS (SHEET 4 OF 9)(9-2022) | |
| 56-0005 | D-24D: TEMPORARY SILT FENCE FABRIC CHECK DAM)(SHEET 5 OF 9)(7-2015) | |
| 56-0006 | D-35: CONSTRUCTION DETAILS PERMANENT SOIL REINFORCING MAT (TURF REINFORING MATS) INSTALLATION ON DTICHES(SHEET 6 OF 9)(8-1988) | |
| 56-0007 | D-41: CONSTRUCTION EXIT(SHEET 7 OF 9)(2-2001) | |
| 56-0008 | D-43: ROCK FILTER DAM(SHEET 8 OF 9)(4-2016) | |
| 56-0009 | D-52: BLADE STRAW & COMPOST FILTER SOCK CHECK DAMS FOR EROSION CONTROL (SHEET 9 OF 9)(4-2016) | |
| 56-0010 | D-10: 4 IN CONCRETE DITCH PAVING(1-1988) | |
| 56-0011 | D-49: DITCH BACK OF RETAINING WALL SWALE DITCHES: RIP RAP DITCH(2-2011) | |
| 56-0012 | D-56: STONE RIPRAP & SAND BAG TEMPORARY CHECK DAMS(11-2018) | |
| 60-0001 TO 60-0017 | RIGHT OF WAY PLANS | |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

REVISION DATES

INDEX
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

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| CHECKED: | | DATE: | | DRAWING No. |
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| VERIFIED: | | DATE: | | |

| DATE | DRAWING NO. | REVISION |
|---|---|---|

| DATE | DRAWING NO. | REVISION |
|---|---|---|

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770.263.5945

REVISION DATES

REVISION SUMMARY
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

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| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No.
03-0001

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD AND SUPPLEMENTAL SPECIFICATIONS, CURRENT EDITION.

2. ALL BORROW AND WASTE SITES FOR THIS PROJECT SHALL BE ENVIRONMENTALLY APPROVED PRIOR TO CONSTRUCTION ACTIVITIES OCCURRING IN THEM. ALL COMMON FILL OR EXCESS MATERIAL DISPOSED OUTSIDE THE PROJECT RIGHT OF WAY SHALL BE PLACED IN EITHER A PERMITTED SOLID WASTE FACILITY, A PERMITTED INERT WASTE LANDFILL, OR IN AN ENGINEERED FILL. SEE SECTION 201 OF THE STANDARD SPECIFICATIONS AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION.

3. THERE IS NO KNOWN SUITABLE PLACE TO BURY EXISTING CONSTRUCTION DEBRIS WITHIN THE PROJECT'S LIMITS. THE CONTRACTOR SHALL PROVIDE AN ENVIRONMENTALLY APPROVED SITE AS SHOWN IN GA SPECIFICATION 201 TO DISPOSE OF EXISTING CONSTRUCTION DEBRIS AT NO ADDITIONAL COST TO THE DEPARTMENT.

4. ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON HIGHWAY PLANS AND ARE NOT NECESSARILY ACCURATE IN LOCATION AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON HIGHWAY PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY UNDER THIS REQUIREMENT. "EXISTING UTILITY FACILITIES" MEANS ANY UTILITY THAT EXISTS ON THE HIGHWAY PROJECT IN ITS ORIGINAL, RELOCATED, OR NEWLY INSTALLED POSITION. ALL UTILITY FACILITIES, WHICH ARE IN CONFLICT WITH CONSTRUCTION AND ARE NOT COVERED AS SPECIFIC ITEMS IN THE DETAILED ESTIMATE, ARE TO BE REMOVED OR RELOCATED TO CLEAR CONSTRUCTION IN ADVANCE OF HIS WORK.

5. UTILITY WORK COORDINATION WILL BE REQUIRED AS PART OF THIS CONTRACT. THE CONTRACTOR WILL BE REQUIRED TO USE THE ONE-CALL CENTER TELEPHONE NUMBER, 811 OR 1-800-282-7411, FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES. THE CONTRACTOR'S ATTENTION IS CALLED TO SUB-SECTION 105.06 OF THE GDOT STANDARD SPECIFICATIONS, "COOPERATION WITH UTILITIES."

6. THE FOLLOWING UTILITIES HAVE FACILITIES IN THE PROJECT AREA.

| UTILITY OWNER | SERVICE |
|---|---|
| AGL | GAS |
| AT&T/D | TELECOM |
| AT&T/T | TELECOM TRANSMISSION |
| COMCAST | TELECOM |
| CITY OF TUCKER | TRAFFIC CONTOL |
| DEKALB COUNTY | WATER & SEWER |
| GDOT | ITS, ELECTRIC, TC |
| GEORGIA POWER | ELECTRIC |
| LAMBERTS | TELECOM |
| LUMEN | TELECOM |
| VERIZON | TELECOM |
| ZAYO | TELECOM |

7. ALL CUT AND FILL SLOPES SHALL BE STABILIZED TO COMPLY WITH SECTION 161.3.05.B OF THE SPECIFICATIONS IN ORDER TO REDUCE THE POTENTIAL FOR EROSION. IF THE SEASON DOES NOT PERMIT PERMANENT GRASSING, TEMPORARY GRASSING, TEMPORARY STRAW MULCH AND/OR TEMPORARY VEGETATION SHALL BE USED AS PER THE EROSION AND SEDMENTATION POLLUTION CONTROL PLAN (ESPCP) OR AS DIRECTED BY ENGINEER.

8. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED WILL BE PAVED BACK TO THE TIE IN POINT OR REQUIRED RIGHT OF WAY, WHICHEVER IS GREATER. ALL DRIVEWAYS OVER 11% IN GRADE SHALL BE PAVED WITH CONCRETE. ALL OTHER DRIVEWAYS SHALL BE REPLACED AS FOLLOWS: ASPHALT FOR ASPHALT, CONCRETE FOR CONCRETE AND ASPHALT FOR EARTH/GRAVEL DRIVES RESIDENTIAL DRIVES SHALL BE 14 FEET WIDE AT THE THROADT UNLESS NOTED OTHERWISE IN THE PLANS. COMMERCIAL DRIVES SHALL BE 24 FEET WIDE UNLESS NOTED OTHERWISE IN THE PLANS. EXISTING DRIVEWAY LOCATIONS ARE SHOWN FROM THE BEST AVAILABLE DATA;THE CONTRACTOR SHALL CONSTRUCT DRIVEWAYS TO MATCH THE LOCATION OF EXISTING DRIVEWAS AT THE TIE IN POINT, IF APPLICABLE. THE CONTRACTOR SHALL OBTAIN THE APPROVAL FROM THE ENGINEER PRIOR TO MAKEING ANY REVISIONS TO LOCATION, WIDTH, AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. DRIVES SHALL BE CONSTRUCTED USING:

COMMERCIAL: ASHPALT-165 LB/SY RECYCLED ASPJ CONC 12.5., SP GP 2 ONLY. INCL PROLYMER MODIFIED, INCL BITUM MATL&H LIME, 220 LB/SY RECYCLED ASPHALT CONC, 19 MM SUPERPAVE, GP 1 OR 2, CONCRETE-DRIVEWAY CONCRETE, 8 IN THICK,CONC VALLEY GUTTER, 6 IN

9. ALL EXISTING PEDESTRIAN FACILITIES, INCLUDING ACCESS TO TRANSIT STOPS, SHALL BE MAINTAINED. WHERE PEDESTRIAN ROUTES ARE CLOSED, ALTERNATE ROUTES SHALL BE PROVIDED. WHEN EXISTING PEDESTRIAN FACILITIES ARE DISRUPTED, CLOSED, OR RELOCATED WITHIN THE LIMITS OF THE PROJECT, THE TEMPORARY PEDESTRIAN FACILITIES SHALL BE DETECTABLE AND SHALL INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH THE FEATURES PRESENT IN THE EXISTING PEDESTRIAN FACILITIES (PER LATEST MUTCD). COST FOR CONSTRUCTING AND MAINTAINING TEMPORARY PEDESTRIAN FACILITIES SHALL BE INCLUDED IN THE PRICE BID.

10. ALL TEMPORARY SHORING WILL BE CONSIDERED INCIDENTAL TO GRADING COMPLETE AND WILL NOT BE MEASURED FOR PAYMENT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE NEED FOR WHAT IS SHOWN AS FOR INFORMATIONAL PURPOSES ONLY.

11. MINOR ADJUSTMENT(S) TO EXISTING TRAFFIC SIGNALS DURING STAGE CONSTRUCTION SHALL BE INCLUDED IN THE BID PRICE FOR TRAFFIC CONTROL (150-1000) LUMP SUM.

12. ALL WHEEL CHAIR RAMPS AND SIDEWALK WITHIN THE INTERSECTION RADII ARE TO BE CONSTRUCTED USING 8 INCH CONCRETE. THE COST FOR ADA RAMPS SHALL BE INCLUDED IN THE PRICE BID FOR 8 INCH CONCRETE SIDEWALK.

13. THE CONTRACTOR SHALL CONTACT GEORGIA LOGOS, LLC 800-282-7411 PRIOR TO REMOVING AND RESETTING LOGO SIGNS. COST FOR REMOVING AND RESETTING LOGO SIGNS SHALL BE INCLUDED IN THE OVERALL BID PRICE. EXISTING LOGO SIGNS SHALL BE MAINTAINED DURING CONSTRUCTION ON A MOVABLE STRUCTURE. COST FOR MAINTAINING LOGO SIGNS DURING CONSTRUCTION SHALL BE INCLUDED IN THE OVERALL BID PRICE FOR TRAFFIC CONTROL. ANY LOGO SIGNS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT NO ADDITIONAL COST.

14. THE CONTRACTOR SHALL MILL VARIABLE DEPTH TO ENSURE SMOOTH TRANSITION AT TIE-IN POINTS.

15. ALL EXISTING DRAINAGE PIPE SHALL REMAIN UNLESS OTHERWISE NOTED ON THE PLANS.

16. ALL TEMPORARY DRAINAGE IS TO BE INCLUDED WITH THE BID PRICE. THIS INCLUDES INSTALLATION, MAINTENANCE AND REMOVAL.

17. THE COST OF REMOVAL OF EACH TEMPORARY DRAINAGE STRUCTURE IS INCLUDED IN THE BID PRICE FOR EACH ITEM. THE CONTRACTOR, WITH APPROVAL FROM THE ENGINEER, MAY ABANDON A TEMPORARY DRAINAGE STRUCTURE IF THE STRUCTURE IS FILLED WITH FLOWABLE FILL, WHICH WILL NOT BE PAID FOR SEPARATELY.

18. WHERE WET SUBGRADE IS ENCOUNTERED AND WHERE IDENTIFIED BY THE ENGINEER, UNDERDRAIN PIPE WITH DRAINAGE AGGREGATE SHALL BE PLACED AS DIRECTED BY THE ENGINEER TO AID IN DEWATERING THE SUBGRADE.

19. A NOTICE OF INTENT (NOI) WILL BE REQUIRED FOR THIS PROJECT.

20. SUE LEVEL B UTILITY LOCATION, DATED 4/27/2022, WAS PERFORMED BY THE CITY OF TUCKER AND VERIFIED BY THE UTILITY OWNERS.

21. THIS PROJECT CONTAINS A POST CONSTRUCTION STORMWATER (PERMANENT) BMP, REFER TO SECTION 38 FOR SPECIFIC REQUIREMENTS. IF POST CONSTRUCTION BMP CANNOT BE BUILT WITHIN THE TOLERANCE ALLOWED, THE CONSTRUCTION PROJECT MANAGER SHALL NOTIFY THE OFFICE OF PROGRAM DELIVERY PROJECT MANAGER AND AREA ENGINEER. MODIFICATIONS MUST BE APPROVED BY THE GDOT OFFICE OF DESIGN POLICY AND SUPPORT PRIOR TO THE INSTALLATION.

22. ALL SIGNAL DETECTION TO BE MAINTAINED THROUGHOUT CONSTRUCTION BY USE OF TEMPORARY VIDEO DETECTION OR OTHER MEANS AS NECESSARY UNDER GDOT SPECIFICATION SECTION 647. PAYMENT WILL BE UNDER TRAFFIC CONTROL.

23. WHERE EXISTING PAVEMENT MARKINGS AND LINES ARE IN CONFLICT WITH THE TRAFFIC PATTERN BEING USED ON CONSTRUCTION, THE CONTRACTOR SHALL REMOVE OR OVERLAY LINES TO THE SATISFACTION OF THE ENGINEER SUCH THAT THE LINES DO NOT CONFUSE THE TRAVELING PUBLIC. ALL REMAINING LINES OR MARKINGS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION, OR AS DIRECTED BY THE ENGINEER. TRAFFIC SHALL NOT BE ALLOWED ON ANY PAVEMENT NOT PROPERLY STRIPED.

24. PRICE BID FOR TRAFFIC CONTROL - LUMP SUM SHALL INCLUDE, BUT IS NOT LIMITED TO CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY SIGNING AND PAVEMENT MARKINGS, BARRICADES, CHANNELIZING DEVICES, ETC. REQUIRED FOR MAINTENANCE OF TRAFFIC DURING CONSTRUCTION. ALL TEMPORARY SIGNING AND PAVEMENT MARKING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES' LATEST EDITION AND/OR AS DIRECTED BY THE ENGINEER.

25. THE CONTRACTOR SHALL ENSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR REGRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS AND HAVE SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.

26. CONSTRUCTION LAYOUT WILL BE REQUIRED BY THE CONTRACTOR. ALL COST FOR THIS ITEM WILL BE INCLUDED IN THE PRICE BID FOR OTHER CONTRACT ITEMS.

27. ALL SIDEWALKS, CROSSWALKS AND RAMPS SHALL MEET ADA STANDARD GDOT DETAILS.

GEORGIA811
www.Georgia811.com
Contact 811 before you dig.

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

REVISION DATES

GENERAL NOTES
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 04-0001 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

# ITS GENERAL NOTES

1. THE CONTRACTOR SHALL LOCATE ALL UTILITIES BEFORE DIGGING TO ELIMINATE ANY CONFLICTS. TO OBTAIN HIGHWAY LIGHTING PLANS, THE CONTRACTOR SHALL CONTACT THE DEPARTMENT AT (404) 656-5396. TO OBTAIN DRAINAGE PLANS, THE CONTRACTOR SHALL CONTACT THE DEPARTMENT'S FILE PLANS ROOM AT (404) 656-5408. FOR GDOT ITS FACILITIES THAT MAY BE IMPACTED, THE CONTRACTOR SHALL CONTACT THE STATE ITS ENGINEER AT (404) 635-2800.

2. EXISTING INDUCTIVE LOOPS OR LEAD-IN WIRES THAT ARE CUT, DAMAGED, OR DESTROYED SHALL NOT BE REPAIRED BY SPLICING. ALL LOOPS OR LEAD-IN WIRES THAT ARE CUT, DAMAGED, OR DESTROYED SHALL BE REPLACED ENTIRELY WITHIN TWO WEEKS AT NO ADDITIONAL COST TO THE DEPARTMENT. ANY EXISTING INDUCTIVE LOOPS SHOWN ON THE PLANS ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL CONTACT THE OFFICE OF TRANSPORTATION DATA AT (404) 347-0707 OR (404) 347-0677 ONE WEEK PRIOR TO DOING ANY WORK AT ANY LOCATIONS WITH EXISTING INDUCTIVE LOOPS.

3. THE CONTRACTOR SHALL REQUEST GDOT ITS INFRASTRUCTURE TO BE LOCATED AT LEAST 5 BUSINESS DAYS IN ADVANCE OF ALL WORK BY CONTACTING GDOTLOCATES@DOT.GA.GOV.

4. THE CONTRACTOR SHALL REPAIR ANY EXISTING ITS DEVICE, CABINET, STRUCTURE, CONDUIT, CABLE, OR PIPE THAT IS DAMAGED BY ANY WORK PERFORMED AS PART OF THIS PROJECT AT NO ADDITIONAL COST TO THE DEPARTMENT.

5. THE CONTRACTOR SHALL REPLACE IN LIKE KIND AND SIZE, AT NO ADDITIONAL COST TO THE DEPARTMENT, ANY PAVEMENT MARKINGS, BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAVEMENT, SIGNS, GUARDRAIL, LANDSCAPING (IN ACCORDANCE WITH GEORGIA SPECIFICATIONS SECTION 702), GRASSING (IN ACCORDANCE WITH GEORGIA SPECIFICATIONS SECTION 700). UTILITY SERVICE LINES, STORM DRAIN PIPES, RUMBLE STRIPS, ROADWAY, AND ANY RETAINING WALLS THAT ARE DAMAGED OR DESTROYED BY ANY WORK PERFORMED AS PART OF THIS PROJECT BECAUSE OF CONTRACTOR NEGLIGENCE. THE CONTRACTOR WILL NOT BE REQUIRED TO MAINTAIN LANDSCAPING AS SPECIFIED IN SECTION 702.3.07 OF THE GEORGIA SPECIFICATIONS.

6. FIBERGLASS OR RIGID STEEL CONDUIT SHALL BE USED (AS SHOWN ON PLANS) AT ALL EXPOSED CONDUIT LOCATIONS.

7. THE CONTRACTOR SHALL REMOVE PAVEMENT BY SAW CUT TO PROVIDE A NEAT LINE. WHERE CONDUIT IS INSTALLED, THE CONTRACTOR SHALL INLAY TO MATCH EXISTING SURFACE TYPE AFTER CONDUIT IS INSTALLED. PAVEMENT REMOVAL AND PAVEMENT INLAY SHALL BE INCLUDED IN THE BID PRICE FOR CONDUIT DUCT BANK OR CONDUIT.

8. THE ELECTRICAL POWER SERVICE ASSEMBLY POINTS SHOWN ON PLANS ARE FOR THE CONTRACTOR'S USE IN DETERMINING POWER ROUTING TO EACH DEVICE. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL ELECTRICAL UTILITY COMPANIES TO PROVIDE POWER TO THE SERVICE RISER POINTS. POWER SERVICE ASSEMBLY POINTS SHALL BE LOCATED AS SHOWN ON PLANS OR AT THE BACK OF THE RIGHT-OF-WAY LINE, IF NEW LOCATION IS PROPOSED. PAYMENT FOR TYPE 2 CONDUIT FOR ELECTRICAL POWER SERVICE INCLUDES ALL MATERIALS, LABOR, AND TYPE 2 PULL BOXES TO PROVIDE A CONNECTION BETWEEN THE SERVICE POINTS AND THE AND THE EQUIPMENT CABINETS.

9. A NOTICE OF INTENT IS NOT REQUIRED FOR THIS PROJECT.

10. CABINETS, CAMERAS, CONTROLLERS, AND OTHER ELECTRICAL DEVICES THAT ARE REMOVED AS PART OF THIS PROJECT SHALL BE RETURNED TO THE GDOT TRAFFIC SIGNALS AND ELECTRICAL FACILITIES (TSEF) BUILDING AT 935 UNITED AVENUE SE, BUILDING 24, ATLANTA, GA 30316 AT NO ADDITIONAL COST TO THE DEPARTMENT. THE CONTRACTOR SHALL CALL THE WAREHOUSE AT LEAST 3 BUSINESS DAYS IN ADVANCE TO ARRANGE DELIVERY OF THESE COMPONENTS. ALL EXISTING DETECTION AND CCTV CAMERA EQUIPMENT IN EXISTING CABINETS SHALL BE REMOVED AND DELIVERED TO THE GDOT TSEF.

11. CONDUIT TO BE INSTALLED BENEATH ANY EXISTING CONCRETE/ASPHALT SURFACES SHALL BE INSTALLED BY DIRECTIONAL BORING, UNLESS NOTED OTHERWISE ON THE PLANS.

12. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH MODIFYING AND ESTABLISHING NEW POWER AND COMMUNICATION SERVICES FOR TRAFFIC SIGNALS, DETECTION SYSTEMS, AND/OR CCTV CAMERAS ON THIS PROJECT. IF A UTILITY TRANSFORMER IS REQUIRED FOR TRAFFIC SIGNAL EQUIPMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE THE COST, AS PART OF THEIR BID PRICE, FOR THAT TRAFFIC SIGNAL INSTALLATION.

13. DETECTABLE TONE WIRE SHALL BE FURNISHED AND INSTALLED WITH ALL FIBER OPTIC CONDUIT. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED CONDUIT.

14. ALL MANHOLES AFFECTED BY THE WORK SHALL BE RAISED TO GRADE AND CLEAR OF PAVING MATERIAL. THE COST OF THIS WORK SHALL BE INCLUDED INTO EXISTING PAY ITEMS UNLESS OTHERWISE SPECIFIED.

15. UPON COMPLETION OF CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL PROVIDE AS-BUILT PLANS TO THE GDOT STATE ITS ENGINEER
THAT INCLUDE THE LOCATIONS OF THE INSTALLED FIBER, FIBER ALLOCATIONS, ELECTRICAL COMMUNICATION BOXES (ECBS), PULL BOXES, DEVICES, CABINETS, CONDUIT LOCATION AND DEPTH, AND POWER SERVICE FEEDS IN .PDF AND .DGN FORMATS. .DGN FILES SHALL BE MICROSTATION VERSION V8I. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE OVERALL BID PRICE OF THE WORK.

16. ALL DEVICES, EQUIPMENT, AND MATERIAL INSTALLED UNDER THIS PROJECT SHALL BE INSTALLED WITHIN THE EXISTING RIGHT-OF-WAY.
ALL CONSTRUCTION ASSOCIATED WITH THE INSTALLATION OF ALL NEW DEVICES, EQUIPMENT, AND MATERIALS SHALL BE EXECUTED WITHIN THE EXISTING RIGHT-OF-WAY.

17. WHERE EXISTING WIRE, CABLE, OR EQUIPMENT IS BEING REPLACED OR DISTURBED, ALL PREPARATORY WORK SHALL BE COMPLETED BEFORE REPLACEMENT OR DISTURBANCE IS MADE. NO EQUIPMENT SHALL BE DISCONNECTED UNTIL PROPER REPLACEMENTS ARE AVAILABLE AND ALL NECESSARY PREPARATIONS HAVE BEEN MADE. THE CONTRACTOR SHALL CONTACT THE GDOT STATE ITS ENGINEER AT (404) 635-2800 ONE (1) WEEK PRIOR TO DISCONNECTING ANY EXISTING WIRE, CABLE, OR EQUIPMENT. THE COMMUNICATIONS SHALL NOT BE DOWN FOR MORE THAN 24 HOURS.

18. IN LOCATIONS WHERE EXISTING CONDUIT IS BEING UTILIZED, THE CONTRACTOR SHALL NOTIFY THE GDOT STATE ITS ENGINEER (404) 635-2800 OF ANY EXISTING CONDUIT THAT IS FOUND TO BE UNUSABLE WITHIN 30 DAYS OF THE DATE WORK BEGINS.

19. TESTING FOR ITEMS COVERED UNDER THE 935 & 936 SPECIFICATIONS ARE INCLUDED IN THE COST OF THE ITEM. TESTING AND BURN-IN PERIODS ARE PART OF THE CONTRACT TIME.

20. CABLE TO BE INSTALLED OR REPLACED BEHIND EXISTING GUARDRAIL IS TO BE PLACED A MINIMUM OF 5' BEHIND THE FACE OF THE GUARDRAIL WHERE RIGHT-OF-WAY ALLOWS. WHERE 5' CANNOT BE ACHIEVED, CABLE SHALL BE INSTALLED AS FAR FROM THE EXISTING GUARDRAIL AS POSSIBLE.

21. ALL CCTV CAMERAS SHALL BE INSTALLED ON FRONT OF POLE FACING THE ROADWAY.

22. THE CONTRACTOR SHALL MAINTAIN UTILITY LOCATION MARKS ON ALL UNDERGROUND TRAFFIC SIGNAL EQUIPMENT THROUGHOUT THE PROJECT

ATLAS
2450 Commerce Avenue
Suite 100
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770.263.5945

REVISION DATES

GENERAL NOTES
US 78 AT MOUNTAIN IND. BLVD.
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# GENERAL NOTES - STANDARD SIGNS

1. ALL STANDARD HIGHWAY SIGNS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE DETAILS SHOWN IN THE PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.

2. SIGN ERECTION STATIONS ARE APPROXIMATE AND MAY BE ADJUSTED TO MEET FIELD CONDITIONS WHERE NECESSARY, BUT SHALL BE WITHIN THE LIMITATIONS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION. NO SIGN LOCATION SHALL BE CHANGED BY THE CONTRACTOR OR BY THE PROJECT ENGINEER WITHOUT PRIOR APPROVAL FROM THE OFFICE OF TRAFFIC OPERATIONS.

3. ALL STANDARD HIGHWAY SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE NORMAL EDGE OF PAVEMENT TO THE BOTTOM OF THE SIGN OR ASSEMBLY. IF SIDEWALK IS PROPOSED OR EXISTING, THE SIGNS SHALL BE ERECTED AT A HEIGHT OF 7 FEET ABOVE THE SIDEWALK.

4a. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON INTERSTATE HIGHWAYS SHALL BE 32 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), UNLESS SPECIFIED OTHERWISE IN THE PLANS. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON RAMPS SHALL BE 2 FEET FROM THE NORMAL EDGE OF PAVED SHOULDER, OR EDGE OF GRADED SHOULDER WHEN PRESENT.

4b. HORIZONTAL CLEARANCE FOR STANDARD HIGHWAY SIGNS ON ALL OTHER ROADWAYS SHALL BE 6 FEET FROM THE EDGE OF THE PAVED SHOULDER OR 12 FEET FROM THE NORMAL EDGE OF PAVEMENT TO THE NEARER EDGE OF THE SIGN(S), WHICHEVER IS GREATER. THE HORIZONTAL CLEARANCE IN NON-MOUNTABLE CURB SECTIONS SHALL BE AT LEAST 2 FEET FROM THE CURB FACE TO THE NEARER EDGE OF THE SIGN(S).

4c. WHEN GUARDRAIL IS PRESENT OR BEING PROPOSED, SIGNS SHALL BE POSTED AN UNSTIPULATED DISTANCE BEHIND GUARDRAIL.

5. SINGLE PLATE, HORIZONTAL RECTANGULAR SIGNS OVER 48 INCHES IN WIDTH SHALL BE MOUNTED ON TWO POSTS WITH 2 EACH 2 INCH x ½ INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAPS. THE STRAPS SHALL BE FLUSH WITH THE BACK OF THE SIGN WITH ONE EACH ACROSS THE TOP AND BOTTOM OF THE SIGN. THE CENTERLINE OF EACH POST SHALL BE INSET 1/6TH OF THE SIGN WIDTH FROM THE EDGE OF THE SIGN. SIGN PLATE BOLT HOLES SHALL BE □ INCH DIAMETER, DRILLED OR PUNCHED, AS SHOWN ON THE SIGN PLATE DETAILS.

6. EACH 42 OR 48 INCH WIDE x 18 OR 24 INCH HIGH SIGN REQUIRES ONE 2 INCH x ½ INCH x (WIDTH OF SIGN) ALUMINUM OR GALVANIZED STEEL STRAP LOCATED IN THE CENTER OF THE SIGN AND FLUSH WITH THE BACK OF THE SIGN.

7. SIGN ASSEMBLIES SHALL BE MOUNTED ON ALUMINUM OR GALVANIZED STEEL STRAP FRAMES. FOR DETAILS AND STRAP SPECIFICATIONS REFER TO SIGN ASSEMBLY-TYPICAL FRAMING DETAILS.

8. TYPE 9 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL STANDARD HIGHWAY SIGNS REQUIRING REFLECTORIZED BACKGROUNDS EXCEPT AS SPECIFIED BELOW OR SPECIFIED OTHERWISE IN THE PLANS. EITHER CLASS 1 OR CLASS 2 ADHESIVE BACKING IS PERMISSIBLE.

9. TYPE 11 (VERY HIGH INTENSITY) REFLECTIVE SHEETING SHALL BE USED FOR ALL RED SERIES SIGNS (R1-1, R1-2, R1-3P, R5-1, R5-1A, R5-1B).

10. TYPE 11 (VERY HIGH INTENSITY) FLUORESCENT YELLOW REFLECTIVE SHEETING SHALL BE USED FOR ALL WARNING SIGNS.

11. TYPE 11 (VERY HIGH INTENSITY) FLUORESCENT YELLOW GREEN REFLECTIVE SHEETING SHALL BE USED FOR SCHOOL ZONE (S1-1, S2-1, S3-1, S4-3, AND THE TOP PORTION OF THE S5-1) SIGNS. ALL REGULATORY SIGNS WITHIN THE SCHOOL ZONE SIGNING SHALL HAVE TYPE 9 (VERY HIGH INTENSITY) REFLECTIVE SHEETING.

12. A ½ INCH MINIMUM AIR SPACE SHALL BE REQUIRED BETWEEN ALL SIGN PLATES WITHIN AN ASSEMBLY.

13. WHERE SIGNS WITHIN AN ASSEMBLY EXTEND BELOW THE STANDARD MOUNTING HOLES ON THE POST(S), ADDITIONAL□INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY.

14. ALL INTERSTATE, U.S., AND GEORGIA SHIELDS REQUIRING ALT, BUS, CONN, LOOP, OR SPUR SHALL USE 4 INCH SERIES "D" LETTERS. REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, FOR DETAILS.

15. FOR DETAILS OF SPECIAL DESIGN HIGHWAY SIGNS, SEE DETAILS OF MISCELLANEOUS SIGNS.

16. REFER TO PLAN SHEETS FOR LOCATION OF THE DISTRICT ENGINEERS OFFICE TO BE SHOWN ON ALL R552-1 (LIMITED ACCESS) SIGNS IN THIS PROJECT, IF ANY.

17. THE CONTRACTOR WILL, AS REQUESTED BY THE DISTRICT TRAFFIC OPERATIONS ENGINEER, BE REQUIRED TO REMOVE ANY EXISTING SIGNS THAT ARE DUPLICATED OR ARE CONTRARY TO THESE SIGN PLANS.

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

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# TRAFFIC SIGNAL GENERAL NOTES

1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION.

2. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FEET BUT NO MORE THAN 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL FACES.

3. SHIELDED CABLE WILL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET, DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET.

4. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES PRIOR TO ORDERING. AT THE DISCRETION OF THE ENGINEER, MINOR SHIFTS, (UP TO A MAXIMUM OF 5 FEET), IN LOCATION OF NEW SIGNAL POLES, ARE ACCEPTABLE TO AVOID UNDERGROUND UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS SHALL BE RETAINED AS SHOWN ON THE PLANS.

5. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNALS DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC SIGNAL AND/OR CONTROL SYSTEM ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE LOCATIONS(S) REQUIRED BY THE PROJECT DURING THE INTERIM PERIOD THROUGH INSTALLATION OF NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE ANY PART OF THE SIGNAL OPERATION TO BE INOPERABLE.

6. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE OR INTERCONNECT CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

7. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE DISTRICT TRAFFIC ENGINEER AND CITY OF TUCKER PUBLIC WORKS PRIOR TO FINAL ACCEPTANCE.

8. WHEN REMOVED, EXISTING EQUIPMENT SHALL BE DELIVERED AND UNLOADED BY THE CONTRACTOR TO THE DEPARTMENT OF PUBLIC WORKS OF THE CITY OF TUCKER. CONTACT THE CITY SIGNAL ENGINEER AT (678)597-9040.

9. FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET.

10. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE DOT SPECIFICATION.

11. THE INSTALLATIONS SHALL BE CAPABLE OF MONITORING OVER ETHERNET NETWORKS FROM EXISTING CENTRAL COMPUTERS OR VIA "CLOSED LOOP" MONITORING, PER THE DISTRICT SIGNAL ENGINEER. CENTRAL COMUPTERS ARE LOCATED AT 935 EAST CONFEDERATE AVENUE BLDG. 24 ATLANTA, GEORGIA 30316. NETWORK ABILITIES DEMONSTRATION IS REQURED AT CENTRAL SITES. NOTED PRIOR TO FINAL ACCEPTANCE.

12. PROPOSED SIGNAL SUPPORT WIRE ATTACHMENT HEIGHTS ON POLES ARE PROVIDED AS GENERAL GUIDELINES TO INSTALLER, ACTUAL ATTACHMENT HEIGHTS SHALL BE FIELD DETERMINED BY INSTALLER TO PROVIDE REQUIRED SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING UTILITIES.

13. SAWCUTS AND REMOVAL OF ALL CONCRETE ASSOCIATED WITH CURB CUT RAMPS SHALL BE INCLUDED IN THE SIDEWALK PAY ITEM.

14. THE CONTRACTOR SHALL REPLACE IN KIND AND SIZE, AT NO SEPARATE EXPENSE TO THE DEPARTMENT, ANY BARRIER WALL, FENCE, DITCH PAVING, CURBING, SIDEWALK, GUTTER, SLOPE PAVEMENT, SIGNS, GUARDRAILS, LANDSCAPING, GRASSINGS, UTILITY SERVICE LINES, STORM DRAIN PIPES, MASONRY WALLS AND PAVING THAT IS REMOVED, DAMAGED OR DESTROYED, DUE TO CONTRACTOR'S ACTIVITY.

15. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH MODIFYING EXISTING AND ESTABLISHING NEW POWER AND COMMUNICATIONS SERVICES FOR TRAFFIC SIGNAL, VIDEO DETECTION SYSTEMS AND/OR CCTV CAMERAS ON THIS PROJECT. IF A UTILITY TRANSFORMER IS REQUIRED FOR TRAFFIC SIGNAL EQUIPMENT, IT IS THE RESPONSIBLITY OF THE CONTRACTOR TO INCLUDE AS PART OF THEIR BID PRICE, FOR THAT TRAFFIC SIGNAL INSTALLATION IF THE RESPECTIVE UTILITY REQUIRES PAYMENT FOR INSTALLATION.

16. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MONTHLY POWER AND COMMUNICATION SERVICE TO THE TRAFFIC SIGNAL INSTALLATION AND SUPPORT DEVICES, UNTIL THE NEW TRAFFIC SIGNAL INSTALLTION HAS SATISFACTORILY COMPLETED A TEST PERIOD OF UNINTERRUPTED OPERATION, FOR 30 DAYS. UPON COMPLETION OF THE TEST PERIOD, THE CONTRACTOR WILL COMPLETE A TRANSFER OF UTILITY COST TO CITY OF TUCKER (THE MAINTAINING AGENCY)

GEORGIA811 www.Georgia811.com
Contact 811 before you dig.

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2450 Commerce Avenue
Suite 100
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REVISION DATES

GENERAL NOTES
US 78 AT MOUNTAIN IND. BLVD
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## Environmental Resources Impact Table

*These resources and the restrictions listed are governed by state and federal law.*

| Resource Name (from Section A of the ECT) | Location | | | Permitted Construction Activity (from Section A of the ECT) | Special Provision? (from Section B of the ECT) | Comments (from Section C of the ECT, comments only) |
|---|---|---|---|---|---|---|
| | Beginning STA | Ending STA | Side | | | |
| Perennial Stream (PS) 1 | N/A | N/A | N/A | None | SP 107.23H | N/A |
| PS 1 Buffer | N/A | 500+20 | RT | None | SP 107.23H | N/A |
| Buffered State Water (BSW) A | 200+11 | 203+30 | LT | None | N/A | N/A |
| BSW B | 87+19 | 89+38 | RT | None | N/A | N/A |
| Listed Species | N/A | N/A | N/A | Construction such that harm to listed species would be avoided | SP 107.23H | N/A |
| 1830 & 1836 Mountain Industrial Boulevard (Recognized Environmental Concerns [RECs]) | 106+74<br>109+10 | 108+52<br>110+74 | LT<br>LT | Any activity following HazMat protection measures | N/A | N/A |
| **404 Permits and Variances (from Section D of the ECT)** | | **Expiration dates** (if applicable) Contact GDOT OES 6 months prior to expiration, if work will extend beyond this date. | | | | |
| Notice of Intent (NOI) for National Pollutants Discharge Elimination System (NPDES) | | The City of Tucker and Construction Contractor will submit a NOI to the NPDES General Permit following award of the contract but prior to construction | | | | |

pH 6.95
Resistivity 15121

County: DEKALB

Project Number: 0017399

### Pipe Culvert Material Alternates

| TYPE OF INSTALLATION | | | | PIPE TYPE: CONCRETE — REINFORCED CONCRETE AASHTO M-170 | STEEL — CORRUGATED STEEL ALUMINUM COATED (TYPE 2) AASHTO M-36 | STEEL — CORRUGATED STEEL PLAIN ZINC COATED AASHTO M-36 | STEEL — POLYMER COATED STEEL AASHTO M-245 | ALUMINUM — CORRUGATED ALUMINUM AASHTO M-196 | THERMOPLASTIC — CORRUGATED HDPE AASHTO M-252 | THERMOPLASTIC — CORRUGATED SMOOTH LINED HDPE TYPE "S" AASHTO M-294 | THERMOPLASTIC — CORRUGATED SMOOTH LINED POLYPROPYLENE AASHTO M-330 | THERMOPLASTIC — PVC CORRUGATED SMOOTH INTERIOR AASHTO F-949 | THERMOPLASTIC — PVC Profile Wall Drain Pipe AASHTO M-304 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STORM DRAIN | NON-TRAVEL BEARING (OUTSIDE ROADBED) | | INTERSTATE | X | | | | | | | | | |
| | | | NON INTERSTATE | X | X | | X | X | | X | X | X | X |
| | TRAVEL BEARING (INSIDE ROADBED) | GRADE 10% | ADT < 1,500 | X | X | | X | X | | X | X | X | X |
| | | | 1,500 < ADT < 5,000 | X | X | | X | X | | X | X | X | X |
| | | | 5,000 < ADT < 15,000 | X | | | | | | X | X | X | X |
| | | | ADT > 15,000 & INTERSTATES | X | | | | | | | | | |
| | | GRADE > 10% | | | | | X | | | X | X | X | X |
| SIDE DRAIN | | | | X | X | X | X | X | | X | X | X | X |
| PERMANENT SLOPE DRAIN | | | | | X | X | X | X | | X | X | X | X |
| PERFORATED UNDERDRAIN | | | | | X | X | | X | X | X | X | X | X |

NOTES:

1. Allowable materials are indicated by an "X".
2. Structural, installation, fill heightand backfill requirements of storm drain pipe will be in accordance with Georgia Standard 1030-D or 1030-P and the Standard Specifications.
3. Pipe used under mechanically stabilized earth (MSE) walls, within MSE wall backfill, or within five feet of an MSE wall face shall be Class V Concrete Pipe.
4. The Contractor shall provide additional storm sewer capacity calculations if a pipe material other than concrete is selected.
5. Unless noted otherwise within the plans all abandoned pipes within the right of way shall be removed or filled with flowable fill.
6. The contractor shall maintain positive drainage throughout the project at all times during the staging process.

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

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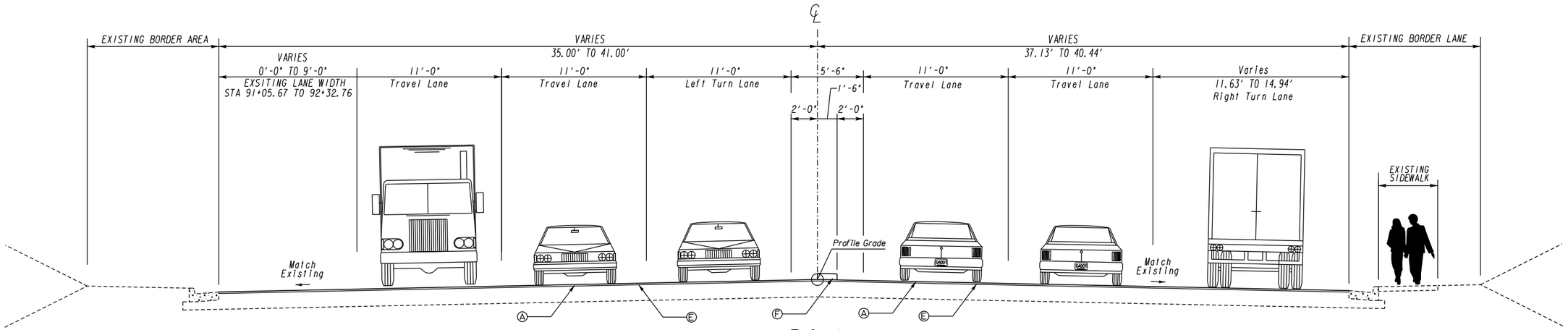
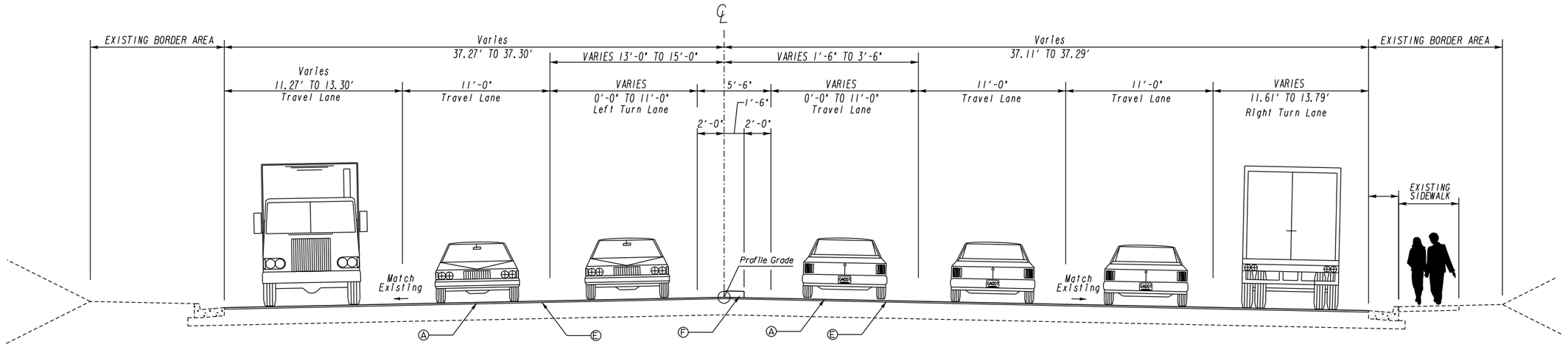



T.S. #1
MOUNTAIN INDUSTRIAL BLVD.
STA 91+05.67 TO STA 95+60.00




T.S. #2
MOUNTAIN INDUSTRIAL BLVD.
STA 95+60.00 TO STA 96+60.00

Ⓐ 165 LBS/SY RECYCLED ASPH CONC 12.5 MM SP, GP 2 ONLY, INCL POLYMER - MODIFIED, INCL BITUM MATL & H LIME
Ⓑ 220 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
Ⓒ 550 LBS/SY RECYCLED ASPH CONC 25 MM SP, GP 1 OR 2, INCL BITUM MATL & H LIME
Ⓓ 14" GAB AGGR BASE CRS, INCL MATL
Ⓔ MILL ASPH CONC PVMT, VARIABLE DEPTH (1-1/2 INCHES TYPICAL)
Ⓕ CONCRETE MEDIAN, 6 IN., W/ DOWELS, TP 7 FACE, 1'-6" WIDE
Ⓖ PVMT SAFETY EDGE SEE GDOT CONST DETAIL P-7
Ⓗ CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (CONTINUOUS), 16 IN
Ⓘ CONCRETE CURB AND GUTTER 8 IN X 30 IN, TP.2
Ⓙ CONCRETE SIDEWALK, 4 IN.
Ⓚ REINFORCING FABRIC STRIP, TP 2 18"
Ⓛ 330 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
Ⓜ 8" GAB AGGR BASE CRS, INCL MATL
Ⓝ PLAIN PC CONC PVMT, CL 1 CONC, 9 INCH THK
Ⓞ 4" CONC. DITCH PAVING
Ⓟ CONCRETE V-GUTTER
Ⓠ PLAIN PC CONC PVMT, CL 1 CONC, 11 INCH THK
Ⓡ RECYCLED ASPHALT CONC LEVELING, INCL BITUM MAT & H LIME, DEPTH VARIES
Ⓢ CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (SKIP), 16 IN

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NOT TO SCALE

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TYPICAL SECTIONS
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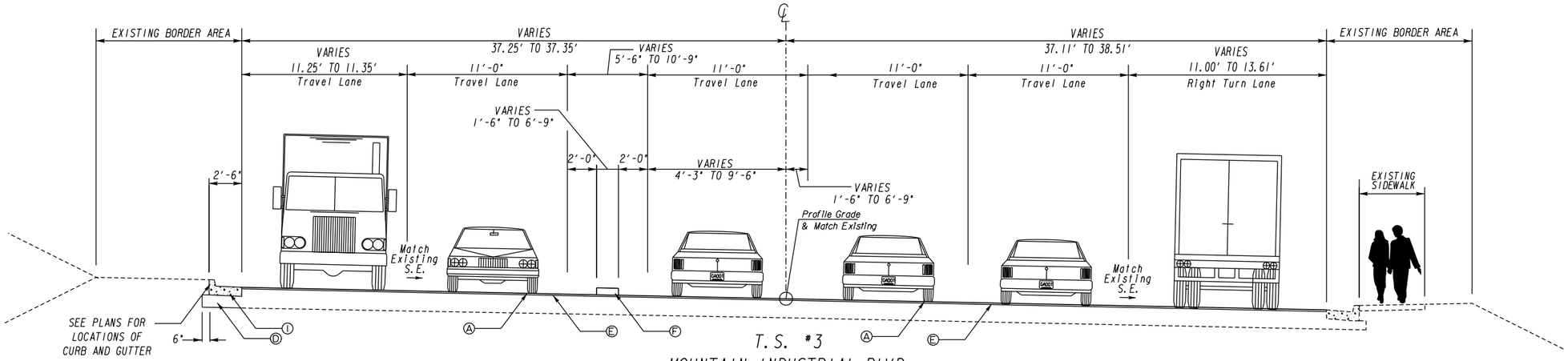
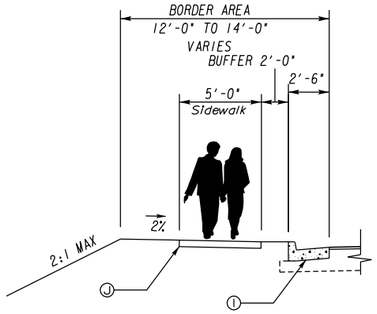
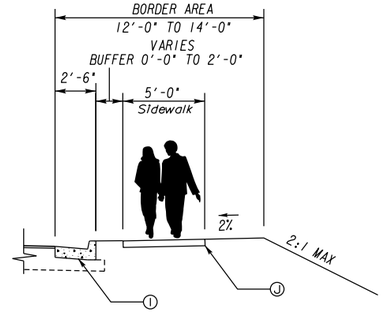



T. S. #3
MOUNTAIN INDUSTRIAL BLVD.
STA 96+60.00 TO STA 100+84.00
SUPERELEVATED




FROM STA. 97+98.74 LT TO STA. 99+72.62 LT




NOTE:
REBUILD CURB AND GUTTER & SIDEWALK
FROM STA. 98+20.84 RT TO STA. 99+52.53 RT

- (A) 165 LBS/SY RECYCLED ASPH CONC 12.5 MM SP, GP 2 ONLY, INCL POLYMER - MODIFIED, INCL BITUM MATL & H LIME
- (B) 220 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
- (C) 550 LBS/SY RECYCLED ASPH CONC 25 MM SP, GP 1 OR 2, INCL BITUM MATL & H LIME
- (D) 14" GAB AGGR BASE CRS, INCL MATL
- (E) MILL ASPH CONC PVMT, VARIABLE DEPTH (1-1/2 INCHES TYPICAL)
- (F) CONCRETE MEDIAN, 6 IN., W/ DOWELS, TP 7 FACE, 1'-6" WIDE
- (G) PVMT SAFETY EDGE SEE GDOT CONST DETAIL P-7
- (H) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (CONTINUOUS), 16 IN
- (I) CONCRETE CURB AND GUTTER 8 IN X 30 IN, TP.2
- (J) CONCRETE SIDEWALK, 4 IN.
- (K) REINFORCING FABRIC STRIP, TP 2 18"
- (L) 330 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
- (M) 8" GAB AGGR BASE CRS, INCL MATL
- (N) PLAIN PC CONC PVMT, CL 1 CONC, 9 INCH THK
- (O) 4" CONC. DITCH PAVING
- (P) CONCRETE V-GUTTER
- (Q) PLAIN PC CONC PVMT, CL 1 CONC, 11 INCH THK
- (R) RECYCLED ASPHALT CONC LEVELING, INCL BITUM MAT & H LIME, DEPTH VARIES
- (S) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (SKIP), 16 IN

NOTE:
SEE PLANS FOR LOCATIONS OF CURB AND GUTTER

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

NOT TO SCALE

REVISION DATES

TYPICAL SECTIONS
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

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| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 05-0002 |
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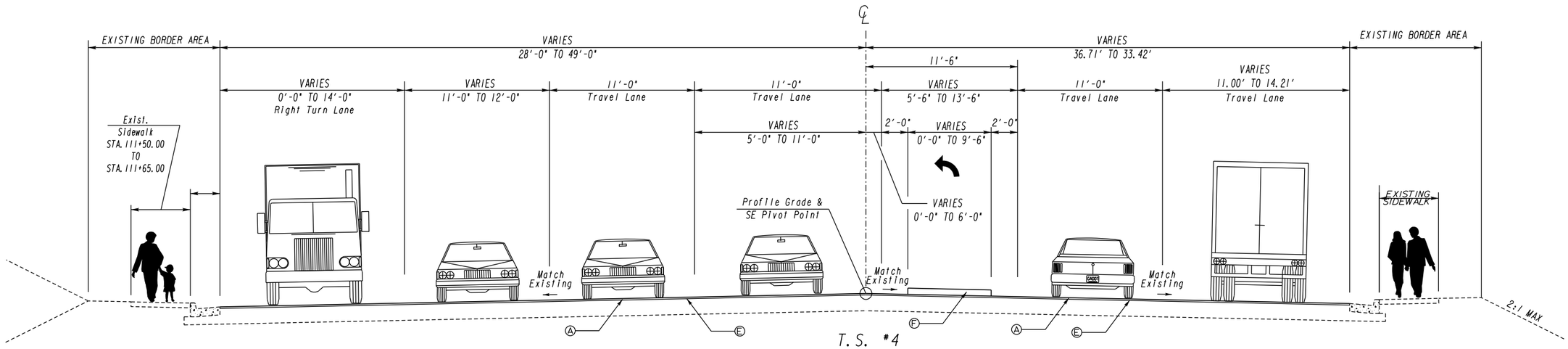
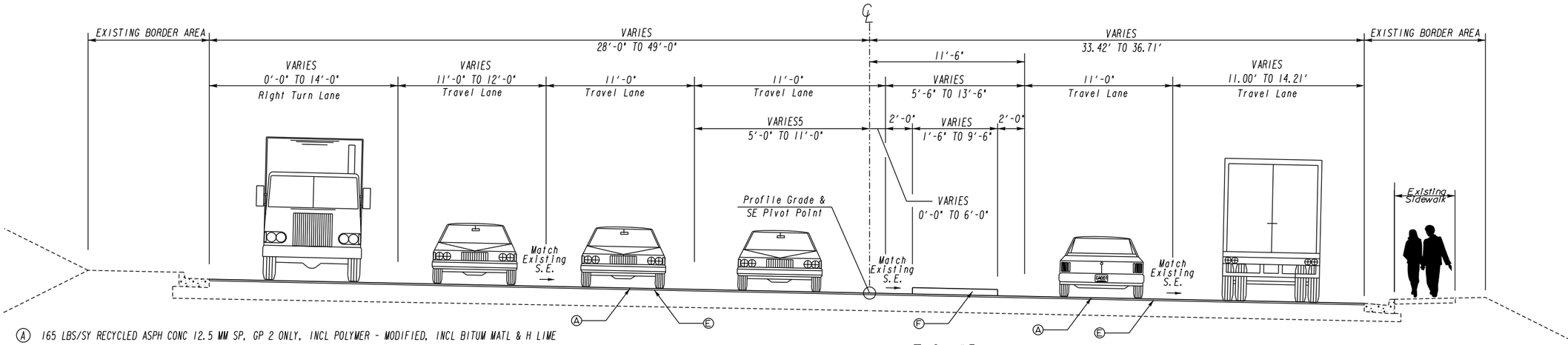



T. S. #4
MOUNTAIN INDUSTRIAL BLVD.
STA 104+07.00 TO STA 111+65.00




T. S. #5
MOUNTAIN INDUSTRIAL BLVD.
SUPERELEVATED

(A) 165 LBS/SY RECYCLED ASPH CONC 12.5 MM SP, GP 2 ONLY, INCL POLYMER - MODIFIED, INCL BITUM MATL & H LIME
(B) 220 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
(C) 550 LBS/SY RECYCLED ASPH CONC 25 MM SP, GP 1 OR 2, INCL BITUM MATL & H LIME
(D) 14" GAB AGGR BASE CRS, INCL MATL
(E) MILL ASPH CONC PVMT, VARIABLE DEPTH (1-1/2 INCHES TYPICAL)
(F) CONCRETE MEDIAN, 6 IN., W/ DOWELS, TP 7 FACE, 1'-6" WIDE
(G) PVMT SAFETY EDGE SEE GDOT CONST DETAIL P-7
(H) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (CONTINUOUS), 16 IN
(I) CONCRETE CURB AND GUTTER 8 IN X 30 IN, TP.2
(J) CONCRETE SIDEWALK, 4 IN.
(K) REINFORCING FABRIC STRIP, TP 2 18"
(L) 330 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
(M) 8" GAB AGGR BASE CRS, INCL MATL
(N) PLAIN PC CONC PVMT, CL 1 CONC, 9 INCH THK
(O) 4" CONC. DITCH PAVING
(P) CONCRETE V-GUTTER
(Q) PLAIN PC CONC PVMT, CL 1 CONC, 11 INCH THK
(R) RECYCLED ASPHALT CONC LEVELING, INCL BITUM MAT & H LIME, DEPTH VARIES
(S) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (SKIP), 16 IN

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

NOT TO SCALE

REVISION DATES

TYPICAL SECTIONS
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

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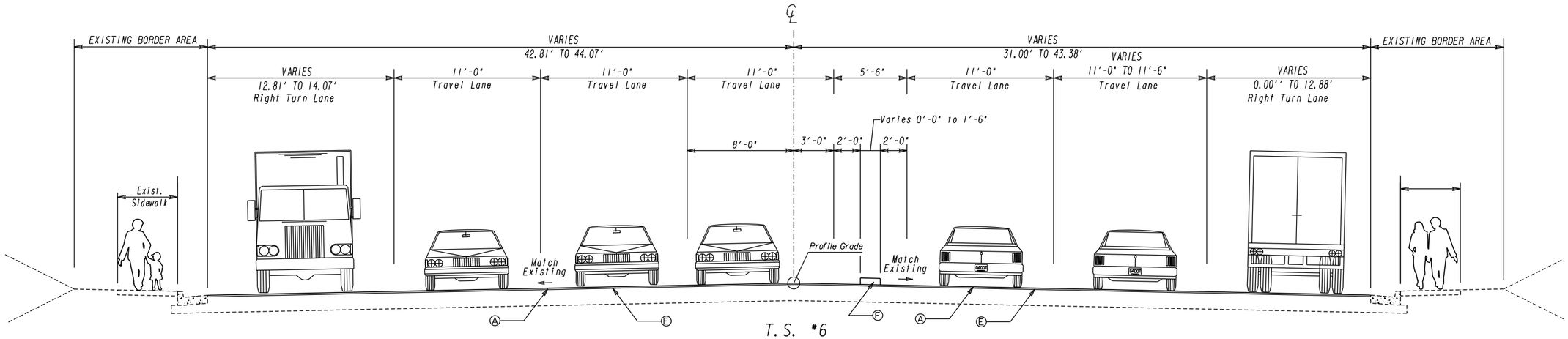
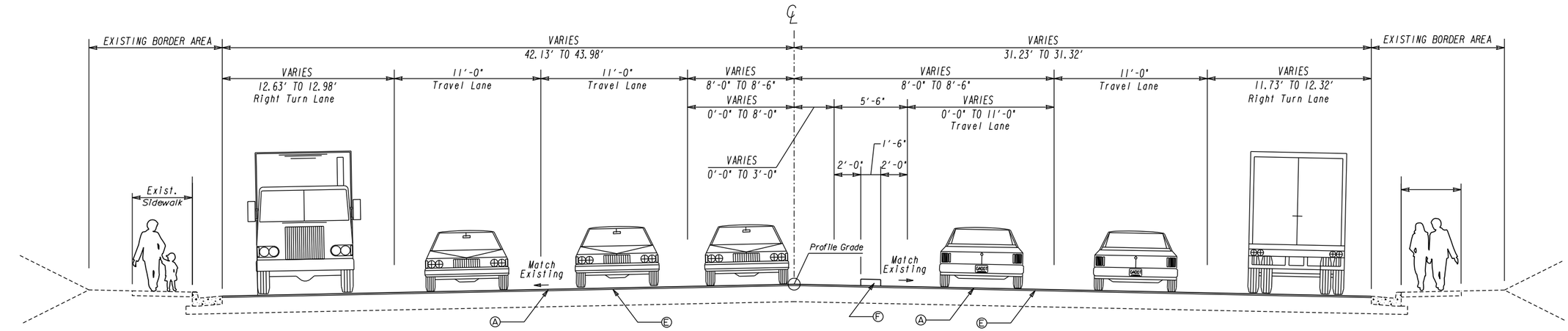
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | |
| CORRECTED: | | DATE: | | 05-0003 |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020




T. S. #6
MOUNTAIN INDUSTRIAL BLVD.
STA 111+65.00 TO STA 118+00.00




T. S. #7
MOUNTAIN INDUSTRIAL BLVD.
STA 118+00.00 TO STA 119+00.00

(A) 165 LBS/SY RECYCLED ASPH CONC 12.5 MM SP, GP 2 ONLY, INCL POLYMER - MODIFIED, INCL BITUM MATL & H LIME
(B) 220 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
(C) 550 LBS/SY RECYCLED ASPH CONC 25 MM SP, GP 1 OR 2, INCL BITUM MATL & H LIME
(D) 14" GAB AGGR BASE CRS, INCL MATL
(E) MILL ASPH CONC PVMT, VARIABLE DEPTH (1-1/2 INCHES TYPICAL)
(F) CONCRETE MEDIAN, 6 IN., W/ DOWELS, TP 7 FACE, 1'-6" WIDE
(G) PVMT SAFETY EDGE SEE GDOT CONST DETAIL P-7
(H) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (CONTINUOUS), 16 IN
(I) CONCRETE CURB AND GUTTER 8 IN X 30 IN, TP.2
(J) CONCRETE SIDEWALK, 4 IN.
(K) REINFORCING FABRIC STRIP, TP 2 18"
(L) 330 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
(M) 8" GAB AGGR BASE CRS, INCL MATL
(N) PLAIN PC CONC PVMT, CL 1 CONC, 9 INCH THK
(O) 4" CONC. DITCH PAVING
(P) CONCRETE V-GUTTER
(Q) PLAIN PC CONC PVMT, CL 1 CONC, 11 INCH THK
(R) RECYCLED ASPHALT CONC LEVELING, INCL BITUM MAT & H LIME, DEPTH VARIES
(S) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (SKIP), 16 IN

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

NOT TO SCALE

REVISION DATES

TYPICAL SECTIONS
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

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| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 05-0004 |
| CORRECTED: | | DATE: | | |
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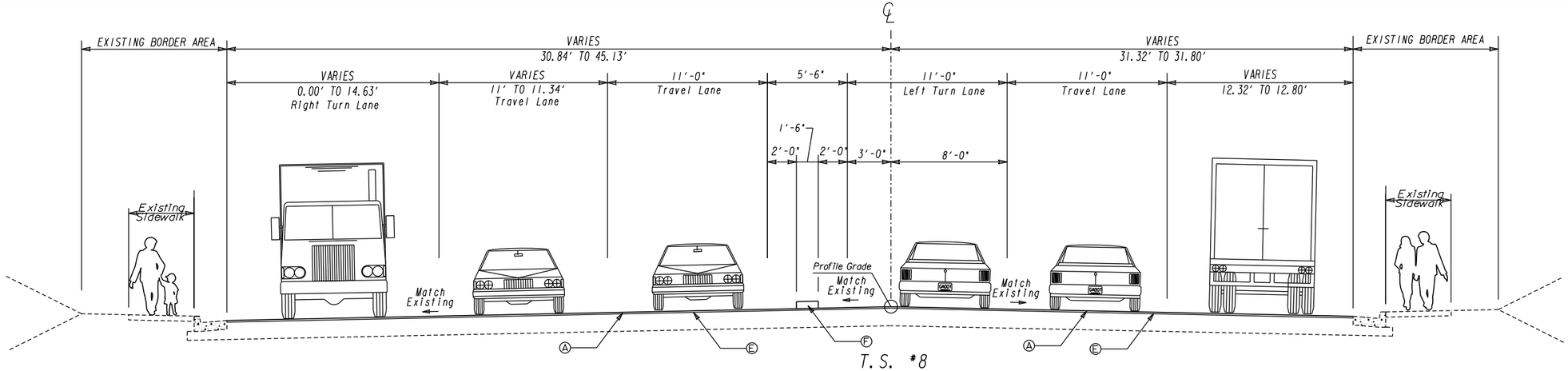
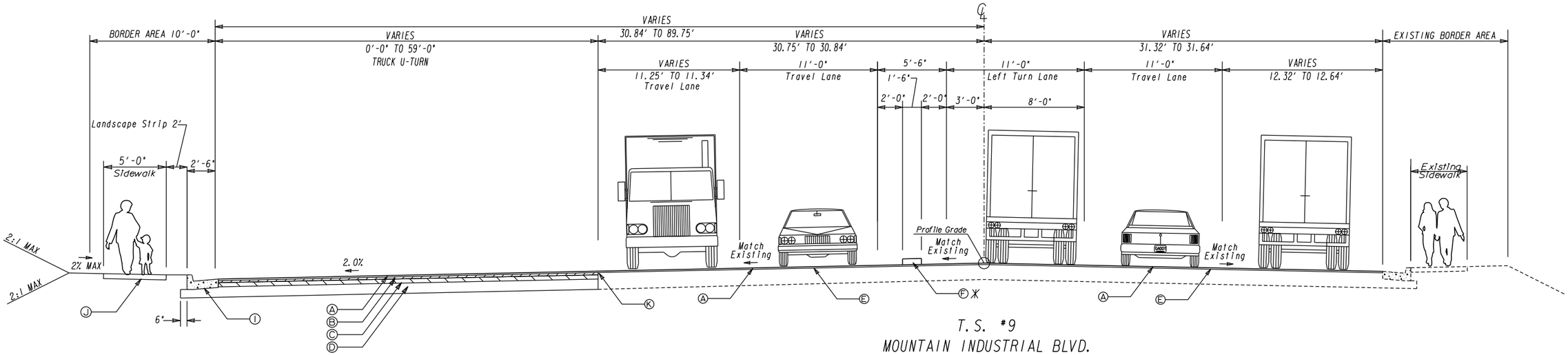



T.S. #8
MOUNTAIN INDUSTRIAL BLVD.
STA 119+00.00 TO STA 123+00.00




T.S. #9
MOUNTAIN INDUSTRIAL BLVD.
STA 123+00.00 TO STA 125+02.10
* STA 123+00.00 TO STA 124+10.00

(A) 165 LBS/SY RECYCLED ASPH CONC 12.5 MM SP, GP 2 ONLY, INCL POLYMER - MODIFIED, INCL BITUM MATL & H LIME
(B) 220 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
(C) 550 LBS/SY RECYCLED ASPH CONC 25 MM SP, GP 1 OR 2, INCL BITUM MATL & H LIME
(D) 14" GAB AGGR BASE CRS, INCL MATL
(E) MILL ASPH CONC PVMT, VARIABLE DEPTH (1-1/2 INCHES TYPICAL)
(F) CONCRETE MEDIAN, 6 IN., W/ DOWELS, TP 7 FACE, 1'-6" WIDE
(G) PVMT SAFETY EDGE SEE GDOT CONST DETAIL P-7
(H) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (CONTINUOUS), 16 IN
(I) CONCRETE CURB AND GUTTER 8 IN X 30 IN, TP.2
(J) CONCRETE SIDEWALK, 4 IN.
(K) REINFORCING FABRIC STRIP, TP 2 18"
(L) 330 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
(M) 8" GAB AGGR BASE CRS, INCL MATL
(N) PLAIN PC CONC PVMT, CL 1 CONC, 9 INCH THK
(O) 4" CONC. DITCH PAVING
(P) CONCRETE V-GUTTER
(Q) PLAIN PC CONC PVMT, CL 1 CONC, 11 INCH THK
(R) RECYCLED ASPHALT CONC LEVELING, INCL BITUM MAT & H LIME, DEPTH VARIES
(S) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (SKIP), 16 IN

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

NOT TO SCALE

REVISION DATES

TYPICAL SECTIONS
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

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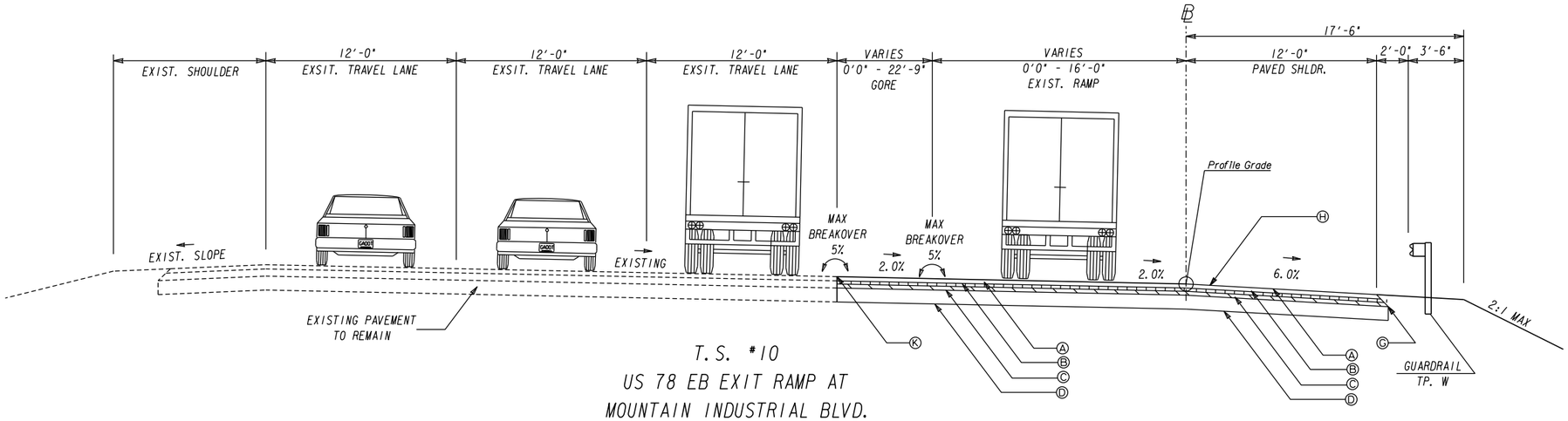
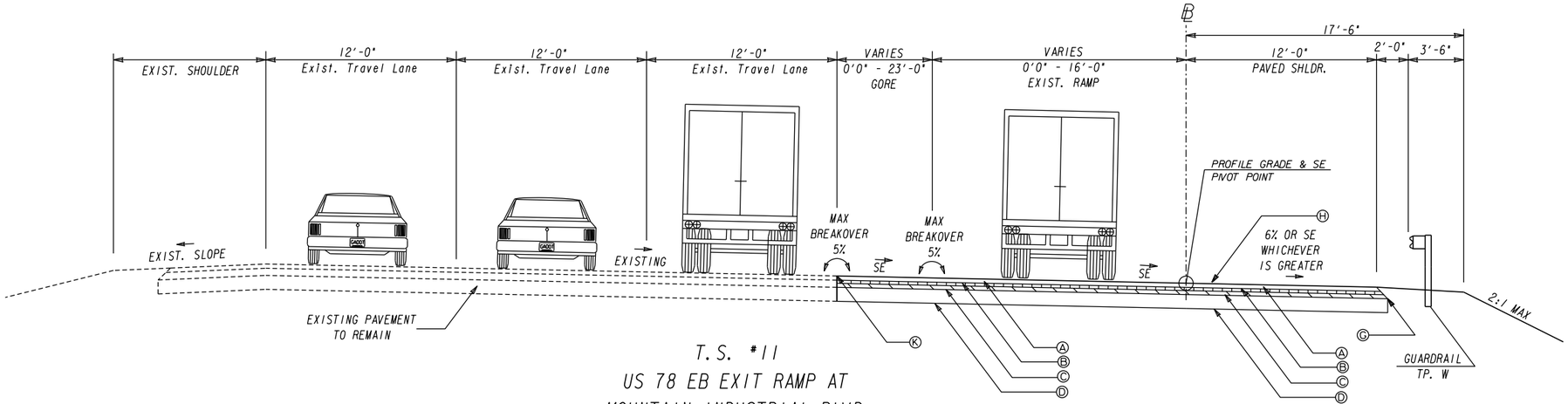
GPLN-CE
11/05/2020




T.S. #10
US 78 EB EXIT RAMP AT
MOUNTAIN INDUSTRIAL BLVD.
STA 200+00.00 TO STA 204+45.52




T.S. #11
US 78 EB EXIT RAMP AT
MOUNTAIN INDUSTRIAL BLVD.
SUPERELEVATED
STA 204+45.52 TO STA 209+44.50

(A) 165 LBS/SY RECYCLED ASPH CONC 12.5 MM SP, GP 2 ONLY, INCL POLYMER - MODIFIED, INCL BITUM MATL & H LIME
(B) 220 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
(C) 550 LBS/SY RECYCLED ASPH CONC 25 MM SP, GP 1 OR 2, INCL BITUM MATL & H LIME
(D) 14" GAB AGGR BASE CRS, INCL MATL
(E) MILL ASPH CONC PVMT, VARIABLE DEPTH (1-1/2 INCHES TYPICAL)
(F) CONCRETE MEDIAN, 6 IN., W/ DOWELS, TP 7 FACE, 1'-6" WIDE
(G) PVMT SAFETY EDGE SEE GDOT CONST DETAIL P-7
(H) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (CONTINUOUS), 16 IN
(I) CONCRETE CURB AND GUTTER 8 IN X 30 IN, TP.2
(J) CONCRETE SIDEWALK, 4 IN.
(K) REINFORCING FABRIC STRIP, TP 2 18"
(L) 330 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
(M) 8" GAB AGGR BASE CRS, INCL MATL
(N) PLAIN PC CONC PVMT, CL 1 CONC, 9 INCH THK
(O) 4" CONC. DITCH PAVING
(P) CONCRETE V-GUTTER
(Q) PLAIN PC CONC PVMT, CL 1 CONC, 11 INCH THK
(R) RECYCLED ASPHALT CONC LEVELING, INCL BITUM MAT & H LIME, DEPTH VARIES
(S) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (SKIP), 16 IN

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

NOT TO SCALE

REVISION DATES

TYPICAL SECTIONS
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

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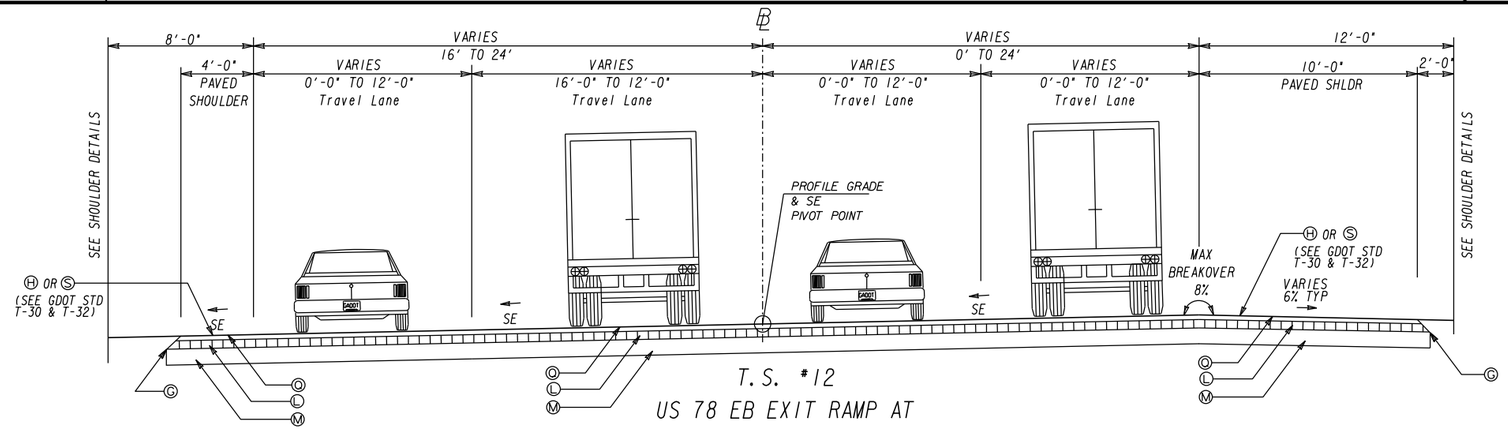
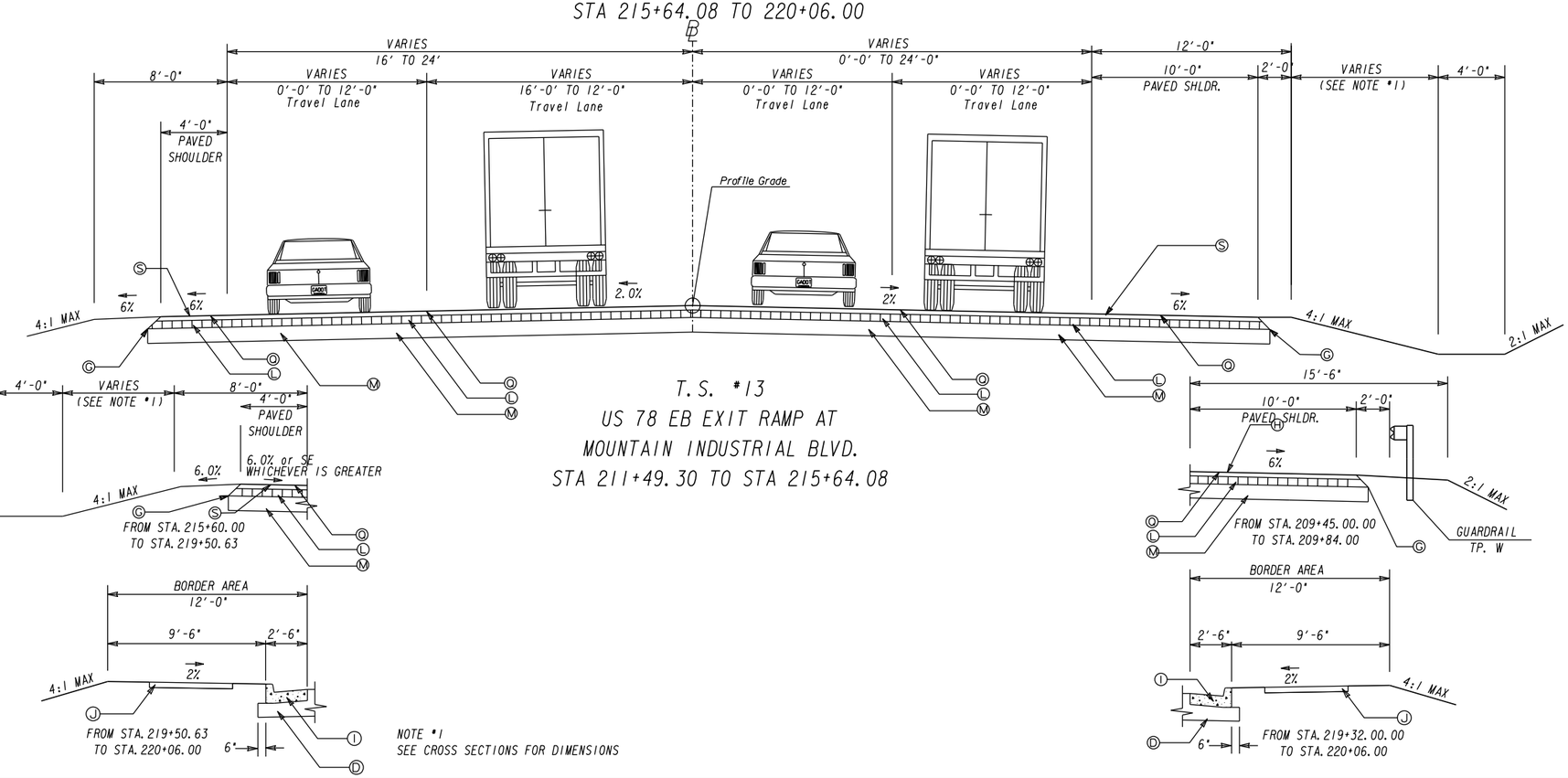



T.S. #12
US 78 EB EXIT RAMP AT
MOUNTAIN INDUSTRIAL BLVD.
SUPERELEVATED
STA 209+44.50 TO 211+49.30
STA 215+64.08 TO 220+06.00




T.S. #13
US 78 EB EXIT RAMP AT
MOUNTAIN INDUSTRIAL BLVD.
STA 211+49.30 TO STA 215+64.08

(A) 165 LBS/SY RECYCLED ASPH CONC 12.5 MM SP, GP 2 ONLY, INCL POLYMER - MODIFIED, INCL BITUM MATL & H LIME
(B) 220 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
(C) 550 LBS/SY RECYCLED ASPH CONC 25 MM SP, GP 1 OR 2, INCL BITUM MATL & H LIME
(D) 14" GAB AGGR BASE CRS, INCL MATL
(E) MILL ASPH CONC PVMT, VARIABLE DEPTH (1-1/2 INCHES TYPICAL)
(F) CONCRETE MEDIAN, 6 IN., W/ DOWELS, TP 7 FACE, 1'-6" WIDE
(G) PVMT SAFETY EDGE SEE GDOT CONST DETAIL P-7
(H) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (CONTINUOUS), 16 IN
(I) CONCRETE CURB AND GUTTER 8 IN X 30 IN, TP.2
(J) CONCRETE SIDEWALK, 4 IN.
(K) REINFORCING FABRIC STRIP, TP 2 18"
(L) 330 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
(M) 8" GAB AGGR BASE CRS, INCL MATL
(N) PLAIN PC CONC PVMT, CL 1 CONC, 9 INCH THK
(O) 4" CONC. DITCH PAVING
(P) CONCRETE V-GUTTER
(Q) PLAIN PC CONC PVMT, CL 1 CONC, 11 INCH THK
(R) RECYCLED ASPHALT CONC LEVELING, INCL BITUM MAT & H LIME, DEPTH VARIES
(S) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (SKIP), 16 IN

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

NOT TO SCALE

REVISION DATES

TYPICAL SECTIONS
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

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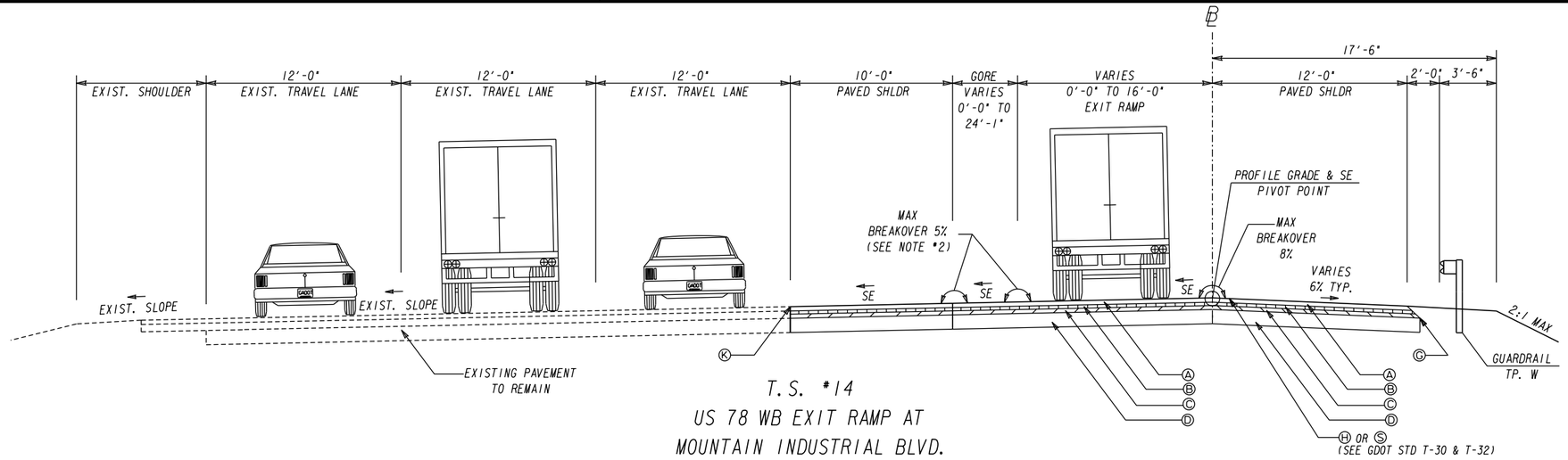
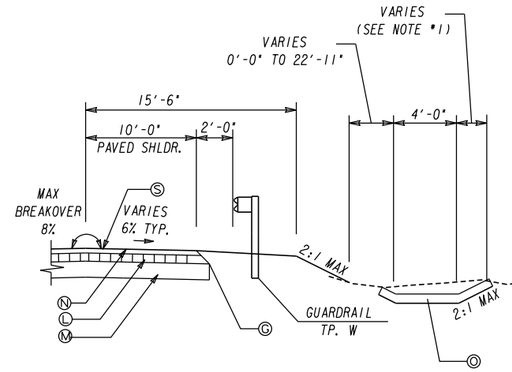
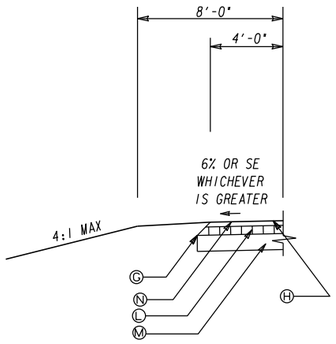



T.S. *14
US 78 WB EXIT RAMP AT
MOUNTAIN INDUSTRIAL BLVD.
STA 300+00.00 TO STA 308+95.97
SUPERELEVATED

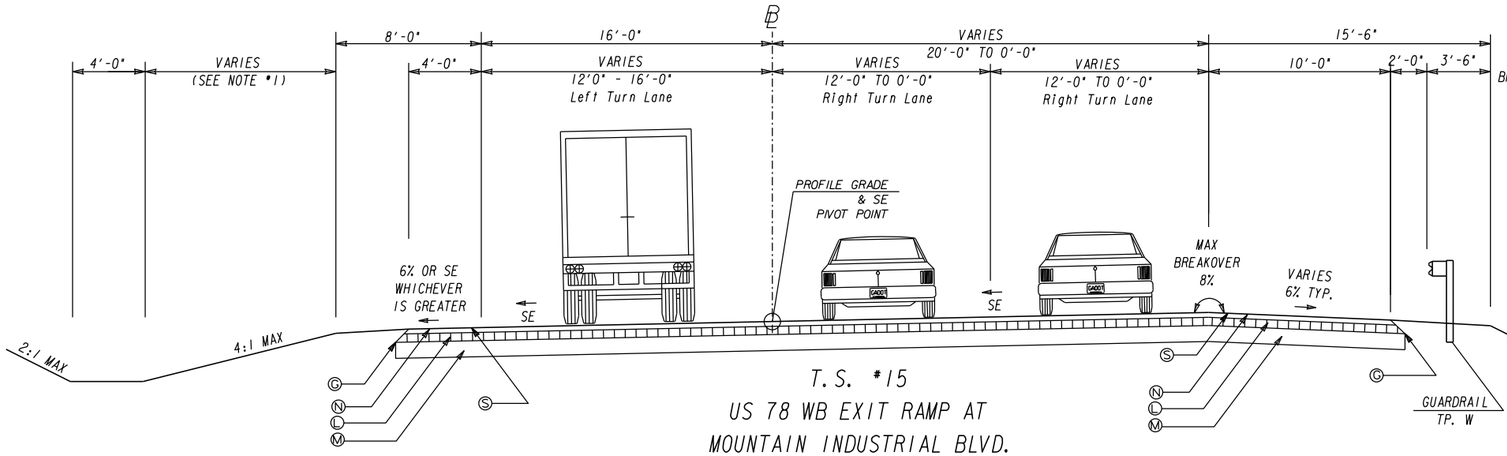
NOTE *2
MAX 5% BREAKOVER ONLY APPLIES WHERE A GORE IS PRESENT.



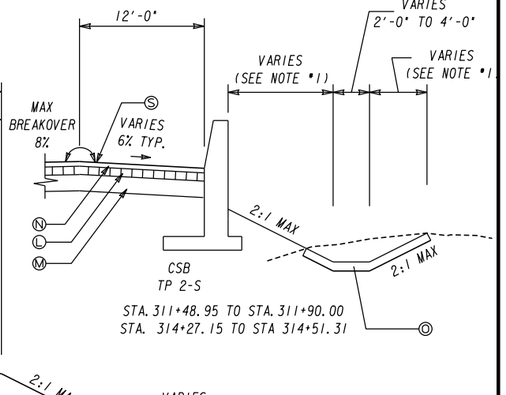

STA. 310+45.45 TO STA. 311+48.95



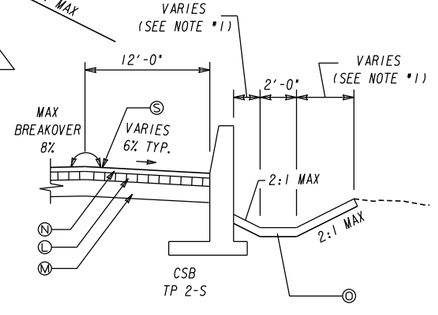

STA. 308+95.97 TO STA. 309+35.00




T.S. *15
US 78 WB EXIT RAMP AT
MOUNTAIN INDUSTRIAL BLVD.
STA 308+95.97 TO STA 315+64.54.00
SUPERELEVATED




STA. 311+48.95 TO STA. 311+90.00
STA. 314+27.15 TO STA 314+51.31




STA. 311+90.00 TO STA. 314+27.15

NOTE *1
SEE CROSS SECTIONS FOR DIMENSIONS

(A) 165 LBS/SY RECYCLED ASPH CONC 12.5 MM SP, GP 2 ONLY, INCL POLYMER - MODIFIED, INCL BITUM MATL & H LIME
(B) 220 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
(C) 550 LBS/SY RECYCLED ASPH CONC 25 MM SP, GP 1 OR 2, INCL BITUM MATL & H LIME
(D) 14" GAB AGGR BASE CRS, INCL MATL
(E) MILL ASPH CONC PVMT, VARIABLE DEPTH (1-1/2 INCHES TYPICAL)
(F) CONCRETE MEDIAN, 6 IN., W/ DOWELS, TP 7 FACE, 1'-6" WIDE
(G) PVMT SAFETY EDGE SEE GDOT CONST DETAIL P-7
(H) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (CONTINUOUS), 16 IN
(I) CONCRETE CURB AND GUTTER 8 IN X 30 IN, TP.2
(J) CONCRETE SIDEWALK, 4 IN.
(K) REINFORCING FABRIC STRIP, TP 2 18"
(L) 330 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
(M) 8" GAB AGGR BASE CRS, INCL MATL
(N) PLAIN PC CONC PVMT, CL 1 CONC, 9 INCH THK
(O) 4" CONC. DITCH PAVING
(P) CONCRETE V-GUTTER
(Q) PLAIN PC CONC PVMT, CL 1 CONC, 11 INCH THK
(R) RECYCLED ASPHALT CONC LEVELING, INCL BITUM MAT & H LIME, DEPTH VARIES
(S) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (SKIP), 16 IN

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

NOT TO SCALE

REVISION DATES

TYPICAL SECTIONS
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

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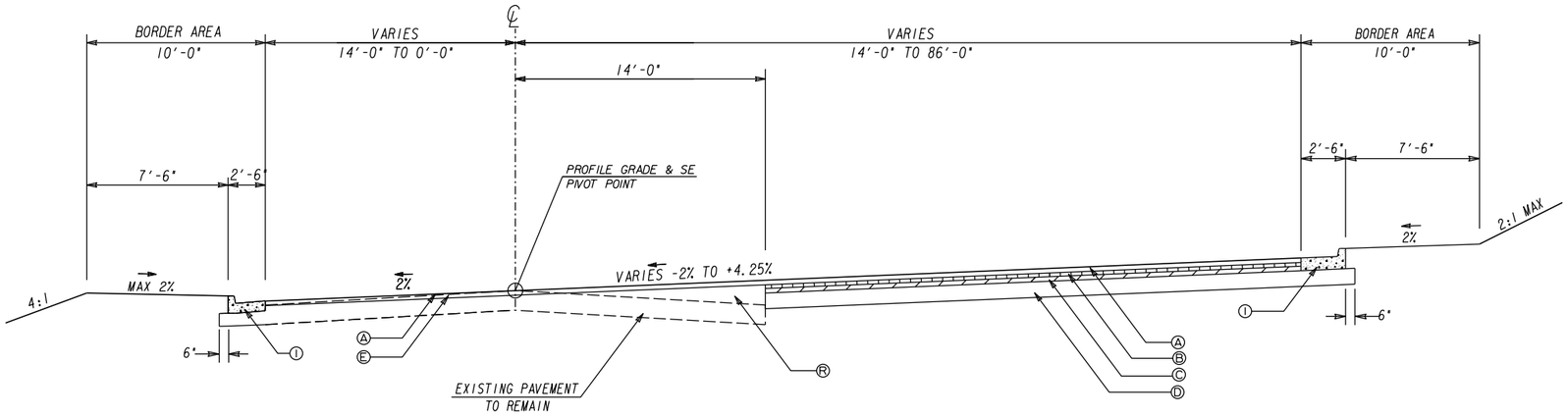
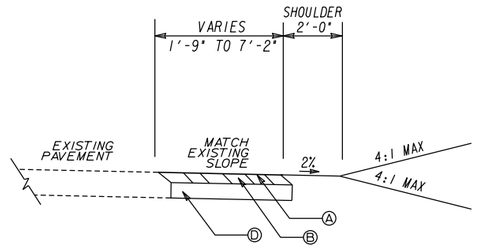
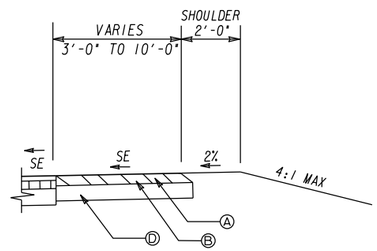



TS-16
SAAR PKWY. CUL-DE-SAC
STA. 509+25.00 TO STA. 511+26.00




TEMP PAVEMENT
TS-17
US 78 WB EXIT RAMP AT
MOUNTAIN INDUSTRIAL BLVD.
STA. 309+90.09 TO STA. 315+49.38




TEMP PAVEMENT
TS-18
US 78 EB EXIT RAMP AT
MOUNTAIN INDUSTRIAL BLVD.
STA. 219+32.47 TO STA. 219+72.48

(A) 165 LBS/SY RECYCLED ASPH CONC 12.5 MM SP, GP 2 ONLY, INCL POLYMER - MODIFIED, INCL BITUM MATL & H LIME
(B) 220 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
(C) 550 LBS/SY RECYCLED ASPH CONC 25 MM SP, GP 1 OR 2, INCL BITUM MATL & H LIME
(D) 14" GAB AGGR BASE CRS, INCL MATL
(E) MILL ASPH CONC PVMT, VARIABLE DEPTH (1-1/2 INCHES TYPICAL)
(F) CONCRETE MEDIAN, 6 IN., W/ DOWELS, TP 7 FACE, 1'-6" WIDE
(G) PVMT SAFETY EDGE SEE GDOT CONST DETAIL P-7
(H) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (CONTINUOUS), 16 IN
(I) CONCRETE CURB AND GUTTER 8 IN X 30 IN, TP.2
(J) CONCRETE SIDEWALK, 4 IN.
(K) REINFORCING FABRIC STRIP, TP 2 18"
(L) 330 LBS/SY RECYCLED ASPH CONC 19 MM SP,GP 1 OR 2, INCL BITUM MATL & H LIME
(M) 8" GAB AGGR BASE CRS, INCL MATL
(N) PLAIN PC CONC PVMT, CL 1 CONC, 9 INCH THK
(O) 4" CONC. DITCH PAVING
(P) CONCRETE V-GUTTER
(Q) PLAIN PC CONC PVMT, CL 1 CONC, 11 INCH THK
(R) RECYCLED ASPHALT CONC LEVELING, INCL BITUM MAT & H LIME, DEPTH VARIES
(S) CYLINDRICAL SHOULDER RUMBLE STRIP, GROUND IN PLACE (SKIP), 16 IN

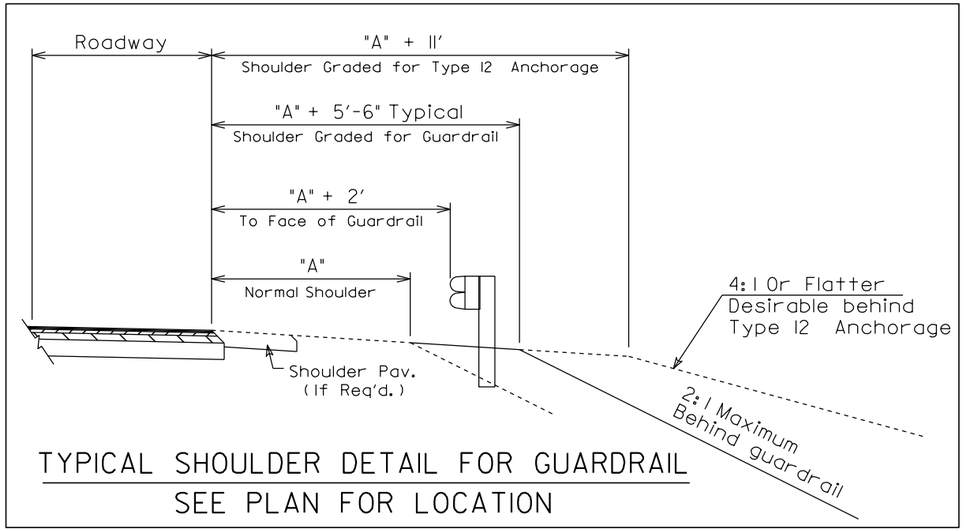
ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

NOT TO SCALE

REVISION DATES

TYPICAL SECTIONS
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 05-0009 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |




## TYPICAL SHOULDER DETAIL FOR GUARDRAIL
## SEE PLAN FOR LOCATION

### ALLOWABLE RANGES TABLE

*FOR THIS PROJECT, CROSS SLOPES THAT ARE ADJUSTED TO "BEST FIT" EXISTING PAVEMENT SLOPES ARE SUBJECT TO THE FOLLOWING LIMITS:*

A. *NORMAL CROWN*

| SECTION WITH GRADES 0.5% OR GREATER | SECTION WITH GRADES LESS THAN 0.5% |
|---|---|
| 0.0150 FT/FT - MINIMUM | 0.0156 FT/FT - MINIMUM |
| 0.0208 FT/FT - DESIRABLE | 0.0208 FT/FT - DESIRABLE |
| 0.0250 FT/FT - MAXIMUM | 0.0300 FT/FT - MAXIMUM |

B. *SUPERELEVATION RATE*

*S.E. RATE SHOWN ON PLANS OR SE RATE EXISTING IN FIELD, WHICHEVER IS GREATER.*

C. *SUPERELEVATION TRANSITION LENGTH (LENGTH FROM FLAT POINT TO FULL SE)*

| | RATE OF CHANGE | CORRESPONDING DIFFERENCE IN GRADE BETWEEN PIVOT POINT AND EDGE OF PAVEMENT |
|---|---|---|
| MINIMUM | 1:150 | 0.67% |
| DESIRABLE | 1:200 | 0.50% |
| MAXIMUM | 1:300 | 0.33% |

*LENGTH SHALL BE SET TO AVOID CREATING A FLAT GUTTER GRADE ON LOW SIDE AND TO AVOID FLAT CROSS SLOPES AT OR NEAR THE LOW POINT OF VERTICAL CURVES.*

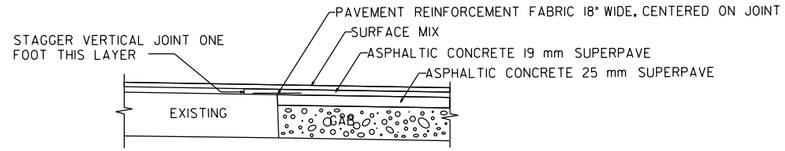
D. *POSITIONING OF SUPERELEVATION TRANSITION LENGTH ON SIMPLE CURVES*

*50% OF TRANSITION INSIDE CURVE - MAXIMUM*
*33% OF TRANSITION INSIDE CURVE - DESIRABLE*
*20% OF TRANSITION INSIDE CURVE - MINIMUM*

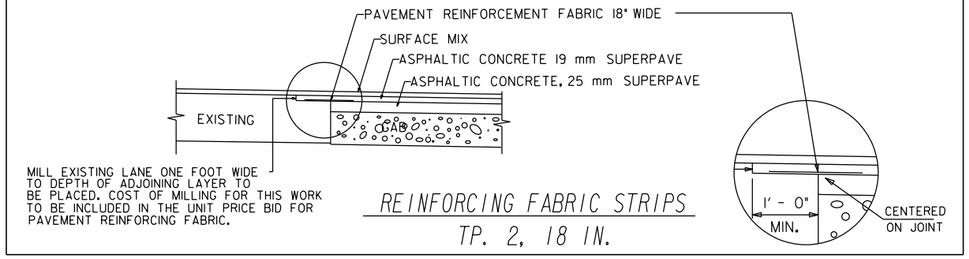
*NOTE: CROWN WIPE-OUT SHALL BE AT THE SAME RATE AS THE SE TRANSITION.*

E. *SMOOTHING OF BREAKS IN EDGE PROFILE AT BEGIN AND END OF TRANSITION SHALL BE ACCOMPLISHED BY VERTICAL CURVE WITH A MINIMUM LENGTH (IN FEET) EQUAL TO THE SPEED DESIGN (IN MPH).*

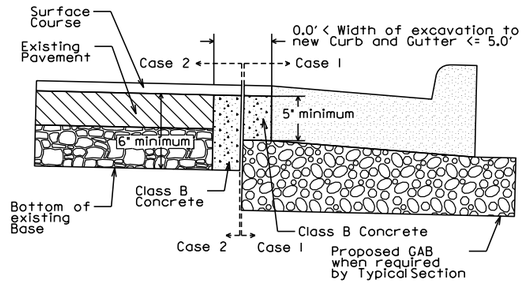
TYPICAL SECTION DETAIL TO BE USED WHEN
EXISTING PAVEMENT IS TO BE RESURFACED WITH
TWO INCHES OR MORE OF ASPHALTIC CONCRETE




TYPICAL SECTION DETAIL TO BE USED WHEN
EXISTING PAVEMENT IS TO BE RESURFACED WITH
LESS THAN TWO INCHES OF ASPHALTIC CONCRETE




## REINFORCING FABRIC STRIPS
## TP. 2, 18 IN.




NO SCALE

CLASS "B" CONCRETE BASE FOR PAVEMENT WIDENING
Item Code 500-9999 - CY Unit of Measure

Case 1:
Where GAB is required under the new Curb and Gutter and the depth of proposed paving between the top of the GAB and the bottom of the surface course is 5 inches or greater, Class B concrete shall be placed in lieu of the paving between the GAB and surface courses specified by the typical section.

Case 2:
Where GAB is not required under the new Curb and Gutter and/or the depth of proposed paving between the top of the Base and the bottom of the surface course is less than 5 inches, Class B concrete shall be placed beneath the proposed surface course to the depth of either the bottom of the existing base course, the bottom of the Base specified by the typical section, or to a depth of 6 inches; whichever is greater.

## CLASS "B" CONCRETE BASE FOR WIDENING DETAIL

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

NOT TO SCALE

REVISION DATES

TYPICAL SECTIONS
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 05-0010 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

## PAVEMENT SUMMARY

| LOCATION | 402-4510 RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME | 402-3190 RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL | 402-3121 RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL | 310-1101 GR AGGR BASE CRS, INCL MATL | 413-0750 TACK COAT | 439-0020 PLAIN PC CONC PVMT, CL 3 CONC, 9 INCH THK | 439-0024 PLAIN PC CONC PVMT, CL 3 CONC,11 INCH THK | 432-5010 MILL ASPH CONC PVMT,VARB DEPTH | 402-1812 RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME | 446-1100 PVMT REINF FABRIC STRIPS, 18" WIDTH | 441-6216 CONC CURB AND GUTTER 8X24 TP 2 | 441-6222 CONC CURB AND GUTTER 8X30 TP 2 | 441-0104 CONC SIDEWALK, 4 IN | 441-0108 CONC SIDEWALK, 8 IN | 441-0748 CONC MEDIAN, 6 IN | 441-4030 CONC VALLEY GUTTER, 8 IN | 456-2054 CYLINDRICAL SHOULDER RUMBLE STRIPS - GROUND IN PLACE CONTINUOUS, 16 IN (400 MM) | 456-2056 CYLINDRICAL SHOULDER RUMBLE STRIPS - GROUND IN PLACE SKIP, 16 IN (400 MM) | 500-9999 CLASS B CONC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TN | TN | TN | TN | GL | SY | SY | SY | TN | LF | LF | LF | SY | SY | SY | SY | GLM | GLM | CY |
| **MOUNTAIN INDUSTRIAL BLVD** | 2155 | 72 | 180 | 644 | 1337 | | | 25470 | | 2242 | 86 | 376 | 353 | 42 | 830 | | | | 18 |
| **SARR PKWY CUL-DE-SAC** | 112 | 79 | 197 | 718 | 162 | | | 640 | 200 | | | 648 | | | | | | | |
| **US 78 EB EXIT RAMP** | 257 | 1480 | 854 | 5526 | 1000 | | 6950 | | | 1415 | | 388 | | | | 3 | 0.21 | 0.36 | |
| **US 78 WB EXIT RAMP** | 252 | 930 | 838 | 3981 | 665 | 3620 | | | | 1190 | | 195 | | | 27 | | 0.20 | 0.24 | |
| | | | | | | | | | | | | | | | | | | | |
| **STAGE 1A - TEMP PAVEMENT WB RAMP** | 31 | 41 | | 286 | 19 | | | | | | | | | | | | | | |
| **STAGE 1B - TEMP PAVEMENT EB RAMP** | 3 | 4 | | 27 | 2 | | | | | | | | | | | | | | |
| **TOTAL** | **2810** | **2606** | **2069** | **11182** | **3185** | **3620** | **6950** | **26110** | **200** | **4847** | **86** | **1607** | **353** | **42** | **857** | **3** | **0.41** | **0.60** | **18** |

## ROADWAY ITEMS

| DESCRIPTION | PAY ITEM | UNIT | QTY |
|---|---|---|---|
| TRAFFIC CONTROL | 150-1000 | LS | 1 |
| FIELD ENGINEERS OFFICE TP 3 | 153-1300 | EA | 1 |
| GPS DATA COLLECTION & SUBMITTAL | 156-0100 | LS | 1 |
| GRADING COMPLETE | 210-0100 | LS | 1 |
| CHANGEABLE MESSAGE SIGN, TP 3 | 632-0003 | EA | 2 |
| RIGHT OF WAY MARKERS | 634-1200 | EA | 7 |

## TEMPORARY BARRIER, METHOD NO. 1

| LOCATION | PAY ITEM | UNIT | QTY |
|---|---|---|---|
| STAGE 1 EB & WB | 620-0100 | LF | 1918 |
| STAGE 2 EB & WB | 620-0100 | LF | 1704 |
| **TOTAL** | | **LF** | 3622 |

| TEMPORARY IMPACT ATTENUATOR | PAY ITEM | UNIT | QTY |
|---|---|---|---|
| | 150-5010 | EA | 2 |

## PLAIN CONC DITCH PAVING, 4 IN

| LOCATION | PAY ITEM | UNIT | QTY |
|---|---|---|---|
| US 78 WB RAMP STA 311+50 - 314+50 | 441-0204 | SY | 120 |

## CONCRETE SIDE BARRIER, TP 2-S, WALL 1

| LOCATION | PAY ITEM | UNIT | QTY |
|---|---|---|---|
| US 78 WB RAMP STA 311+49 - 314+51 | 621-6200 | LF | 309 |

## GUARDRAIL ITEMS

| ITEM # | | 641-1100 | 641-1200 | 641-5001 | 641-5015 |
|---|---|---|---|---|---|
| STATION TO STATION (GDOT STDS) 4000W,4360,4380,4381,4382,4383,4384, 4385, 4391 | SIDE | GUARDRAIL, TP T , 31 IN HEIGHT | GUARDRAIL, TP W , 31 IN HEIGHT | GUARDRAIL ANCHORAGE, TP 1 | GUARDRAIL ANCHORAGE, TP 12A |
| | | LF | LF | EA | EA |
| 200+00.61-209+83.96 US 78 EB EXIT RAMP | RT | | 984 | | |
| 209+83.96 US 78 EB EXIT RAMP | RT | | | 1 | |
| 404+58.78-411+22.25 US 78 EB EXIT RAMP | LT | | 663 | | |
| 411+22.25 US 78 EB EXIT RAMP | LT | | | | 1 |
| 404+58.78 US 78 EB EXIT RAMP | LT | | | 1 | |
| 405+15.20-411+78.79 US 78 EB EXIT RAMP | RT | | 663 | | |
| 405+15.20 EB EXIT RAMP | RT | | | | 1 |
| 411+78.79 EB EXIT RAMP | RT | | | 1 | |
| 425+29.51-431+95.10 US 78 WB EXIT RAMP | LT | | 665 | | |
| 425+29.51 WB EXIT RAMP | LT | | | 1 | |
| 431+95.10 WB EXIT RAMP | LT | | | | 1 |
| 425+85.78-432+51.65 US 78 WB EXIT RAMP | RT | | 665 | | |
| 425+85.78 WB EXIT RAMP | RT | | | | 1 |
| 432+51.65 WB EXIT RAMP | RT | | | 1 | |
| 300+00.02-311+28.30 US 78 WB EXIT RAMP | RT | | 1129 | | |
| 311+28.30-311+48.95 US 78 WB EXIT RAMP | RT | 25 | | | |
| 99+89.70-100+75.54 Mountain Industrial Blvd | RT | | 150 | | |
| 100+75.54-100+96.50 Mountain Industrial Blvd | RT | 17 | | | |
| 99+89.70 Mountain Industrial Blvd | RT | | | 1 | |
| TOTALS | | 42 | 4919 | 6 | 4 |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

REVISION DATES

SUMMARY OF QUANTITIES
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 06-0001 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

# SUMMARY OF QUANTITIES

| DRAINAGE SUMMARY<br>ALLOWABLE MATERIALS: SEE GENERAL NOTES FOR ALLOWABLE PIPE MATERIALS | | | CLASS III | CLASS IV | GA STD 1011A | GA STD 1019A | GA STD 1019B, TP V-1 | ADDITIONAL DEPTH | GA STD 1033D | GA STD 1034D | GA STD 1120 | GA STD 9031S | STORM DRAIN PIPE 15 IN | STORM DRAIN PIPE 18 IN | ELLIPTICAL PIPE 18 IN | STORM DRAIN PIPE 30 IN | TEMPORARY STORM DRAIN PIPE 18 IN* | TEMPORARY 9031S DROP INLET* | TEMPORARY FLARED END SECTION 18 IN* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| STR. NO | LOCATION | SIDE | | | EA | EA | EA | LF | EA | EA | EA | EA | LF | LF | LF | LF | LF | LF | LF |
| A-2 | 94+36 | LT | | | | | 1 | 2 | | | | | | | | | | | |
| A-3 | 96+62 | LT | X | | | | 1 | | | | | | | 213 | | | | | |
| **SUBTOTAL** | | | | | **0** | **0** | **2** | **2** | **0** | **0** | **0** | **0** | **0** | **213** | **0** | **0** | **0** | **0** | **0** |
| B-1 | 111+48 | RT | X | | | | 1 | | | | | | | 94 | | | | | |
| B-2 | 110+59 | RT | X | | | | 1 | | | | | | | 86 | | | | | |
| B-3 | 109+60 | RT | X | | | | 1 | | | | | | | 97 | | | | | |
| **SUBTOTAL** | | | | | **0** | **0** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **277** | **0** | **0** | **0** | **0** | **0** |
| C-1 | 112+45 | RT | | | 1 | | | | | | | | | | | | | | |
| C-2 | 112+60 | RT | X | | | | 1 | | | | | | | 12 | | | | | |
| **SUBTOTAL** | | | | | **1** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **12** | **0** | **0** | **0** | **0** | **0** |
| D-1 | 119+13 | RT | | | | | | | 1 | | | | | | | | | | |
| D-2 | 119+12 | LT | X | | | 1 | | | | | | | | 37 | | | | | |
| **SUBTOTAL** | | | | | **0** | **1** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| E-1 | 125+33 | LT | | | | | | | | | | | | | | | | | |
| E-2 | 124+49 | LT | | X | | | 3 | | | | | | | | 84 | | | | |
| **SUBTOTAL** | | | | | **0** | **0** | **3** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **84** | **0** | **0** | **0** | **0** |
| F-1 | 310+99 | LT | X | | | | | | | | | 1 | | | | | | | |
| F-2 | 311+02 | LT | X | | | | | | | | | | | | | | | | |
| **SUBTOTAL** | | | | | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| G-1 | 509+09 | LT | | | | | | | | | 1 | | | | | | | | |
| G-2 | 508+71 | LT | X | | | | | | 1 | | | | | | | 52 | | | |
| **SUBTOTAL** | | | | | **0** | **0** | **0** | **0** | **1** | **0** | **1** | **0** | **0** | **0** | **0** | **52** | **0** | **0** | **0** |
| H-1 | 511+37 | RT | X | | | | 1 | | | | | | | | | | | | |
| **SUBTOTAL** | | | | | **0** | **0** | **1** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| TEMP-1 | 310+94 | LT | | | | | | | | | | | | | | | | 1 | |
| TEMP-2 | 510+97 | LT | | | | | | | | | | | | | | | | | 1 |
| TEMP-3 | 510+91 | LT | X | | | | | | | | | | | | | | 50 | | 1 |
| **SUBTOTAL** | | | | | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **50** | **1** | **2** |
| **TOTAL** | | | | | **1** | **1** | **9** | **2** | **2** | **0** | **1** | **1** | **0** | **502** | **84** | **52** | **50** | **1** | **2** |

* THE COST OF REMOVAL OF EACH TEMPORARY DRAINAGE STRUCTURE IS INCLUDED IN THE BID PRICE OF EACH ITEM. THE CONTRACTOR, WITH APPROVAL FROM THE ENGINEER, MAY ABANDON A TEMPORARY DRAINAGE STRUCTURE IF THE STRUCTURE IS FILLED WITH FLOWABLE FILL WHICH WILL NOT BE PAID FOR SEPARATELY.

| VIDEO INSPECTION | PAY ITEM | UNIT | QTY |
|---|---|---|---|
| | 550-9000 | LF | 138 |

| UNDERDRAIN PIPE INCL DRAINAGE AGGR, 8 IN | PAY ITEM | UNIT | QTY |
|---|---|---|---|
| | 573-2008 | LF | 200 |

## EROSION CONTROL ITEMS

| PAY-ITEM NO. | DESCRIPTION | UNIT | TOTAL |
|---|---|---|---|
| | **TEMPORARY EROSION CONTROL** | | |
| 163-0232 | TEMPORARY GRASSING | AC | 2.0 |
| 163-0240 | MULCH | TN | 33 |
| 163-0301 | CONSTRUCT AND REMOVE CONSTRUCTION EXITS | EA | 4 |
| 163-0503 | CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3 | EA | 1 |
| 163-0528 | CONSTR & REM FABRIC CHECK DAMS - TP C SILT FENCE | LF | 1548 |
| 163-0529 | CONSTR & REM TEMPORARY SEDIMENT BARRIER OR BALED STRAW CHECK DAM | LF | 266 |
| 163-0541 | CONSTR & REM ROCK FILTER DAMS | EA | 1 |
| 163-0550 | CONSTR AND REMOVE INLET SEDIMENT TRAP | EA | 37 |
| 171-0010 | TEMPORARY SILT FENCE, TYPE A | LF | 4662 |
| 171-0030 | TEMPORARY SILT FENCE, TYPE C | LF | 5791 |
| 165-0010 | MAINTENANCE OF TEMPORARY SILT FENCE, TP A | LF | 2331 |
| 165-0030 | MAINTENANCE OF TEMPORARY SILT FENCE, TP C | LF | 2896 |
| 165-0041 | MAINTENANCE OF CHECK DAMS - ALL TYPES | LF | 1814 |
| 165-0087 | MAINTENANCE OF SILT CONTROL GATE, TP 3 | EA | 1 |
| 165-0101 | MAINTENANCE OF CONSTRUCTION EXIT | EA | 2 |
| 165-0105 | MAINTENANCE OF INLET SEDIMENT TRAP | EA | 37 |
| 165-0110 | MAINTENANCE OF ROCK FILTER DAMS | EA | 1 |
| 165-0310 | MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA | EA | 1 |
| 167-1000 | WATER QUALITY MONITORING AND SAMPLING | EA | 6 |
| 167-1500 | WATER QUALITY INSPECTIONS | MO | 18 |

## EROSION CONTROL ITEMS

| PAY-ITEM NO. | DESCRIPTION | UNIT | TOTAL |
|---|---|---|---|
| | **PERMANENT EROSION CONTROL** | | |
| 163-0240 | MULCH | TN | 8 |
| 700-6910 | PERMANENT GRASSING | AC | 3.9 |
| 700-7000 | AGRICULTURAL LIME | TN | 8 |
| 700-8000 | FERTILIZER MIXED GRADE | TN | 1.2 |
| 700-8100 | FERTILIZER NITROGEN CONTENT | LB | 196 |
| 700-9300 | SOD | SY | 565 |
| 716-2000 | EROSION CONTROL MATS, SLOPES | SY | 3365 |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

REVISION DATES

SUMMARY OF QUANTITIES
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 06-0002

# SUMMARY OF QUANTITIES-STANDARD SIGNS

| STATION | INSTL. NO. | STANDARD SIGNS | | | | SQUARE TUBE POST | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SIGN CODE | PIN 636-1033 TYPE I MATL, REFL SHEETING TP9 | | | PIN 636-2070 TYPE 7 | | | PIN 636-3010 TYPE 9 | | |
| | | | SIZE | QTY | SF | LENGTH (FT) | QTY | TOTAL LENGTH | LENGTH (FT) | QTY | TOTAL LENGTH |
| **MIB** | | | | | | | | | | | |
| 94+70 | 1 | R6-2R(24) | 24" X 30" | 1 | 5.00 | 13.00 | 1.00 | 13.00 | | | |
| 98+87.80 | 2 | R9-3(18) | 18" X 18" | 1 | 2.25 | 12.00 | 1.00 | 12.00 | | | |
| | | R9-3B(12) | 12" X 18" | 1 | 1.50 | | | | | | |
| 99+08.60 | 3 | R9-3(18) | 18" X 18" | 1 | 2.25 | 12.00 | 1.00 | 12.00 | | | |
| | | R9-3B(12) | 12" X 18" | 1 | 1.50 | | | | | | |
| 99+21.69 | 4 | R560-5(30) | 30" X 36" | 1 | 7.50 | 13.00 | 1.00 | 13.00 | | | |
| 99+47.60 | 5 | R3-4(30) | 30" X 36" | 1 | 7.50 | 13.00 | 1.00 | 13.00 | | | |
| 99+57.98 | 5 | R1-2(48) | 48" X 48" | 1 | 7.00 | 13.00 | 1.00 | 13.00 | | | |
| 99+86.41 | 6 | R5-1(30) | 30" X 30" | 1 | 6.25 | 13.00 | 1.00 | 13.00 | | | |
| | | R10-11(30) | 30" X 36" | 1 | 7.50 | | | | | | |
| 100+59.20 | 7 | R5-1(30) | 30" X 30" | 1 | 6.25 | 13.00 | 1.00 | 13.00 | | | |
| 104+40.81 | 8 | R5-1(30) | 30" X 30" | 1 | 6.25 | 13.00 | 1.00 | 13.00 | | | |
| 105+02.98 | 9 | R5-1(30) | 30" X 30" | 1 | 6.25 | 13.00 | 1.00 | 13.00 | | | |
| 105+50 | 10 | R4-7(24) | 24" X 30" | 1 | 5.00 | 13.00 | 1.00 | 13.00 | | | |
| | | R3-4(30) | 30" X 36" | 1 | 7.50 | | | | | | |
| 106+05.00 | 11 | R9-3(18) | 18" X 18" | 2 | 2.25 | 12.00 | 1.00 | 12.00 | | | |
| 106+21.73 | 12 | R560-5(30) | 30" X 36" | 1 | 7.50 | 13.00 | 1.00 | 13.00 | | | |
| 108+63.22 | 13 | R6-2R(24) | 24" X 30" | 2 | 10.00 | 13.00 | 1.00 | 13.00 | | | |
| 108+87.42 | 14 | R6-2R(24) | 24" X 30" | 2 | 10.00 | 13.00 | 1.00 | 13.00 | | | |
| 109+69.04 | 15 | R6-2R(24) | 24" X 30" | 2 | 10.00 | 13.00 | 1.00 | 13.00 | | | |
| 110+42.20 | 16 | R6-2R(24) | 24" X 30" | 1 | 5.00 | 13.00 | 1.00 | 13.00 | | | |
| 110+82.25 | 17 | R3-4(30) | 30" X 36" | 1 | 7.50 | 13.00 | 1.00 | 13.00 | | | |
| 111+43.12 | 18 | R5-1(30) | 30" X 30" | 3 | 6.25 | 13.00 | 1.00 | 13.00 | | | |
| 113+25 | 19 | R6-2R(24) | 24" X 30" | 5 | 5.00 | 13.00 | 1.00 | 13.00 | | | |
| 114+00.00 | 20 | R6-2R(24) | 24" X 30" | 1 | 5.00 | 13.00 | 1.00 | 13.00 | | | |
| 114+85.85 | 21 | R6-2R(24) | 24" X 30" | 1 | 5.00 | 13.00 | 1.00 | 13.00 | | | |
| 116+50.00 | 22 | R6-2R(24) | 24" X 30" | 1 | 5.00 | 13.00 | 1.00 | 13.00 | | | |
| | | R6-2R(24) | 24" X 30" | 2 | 5.00 | 13.00 | 1.00 | 13.00 | | | |
| 117+68.06 | 23 | R6-2R(24) | 24" X 30" | 1 | 5.00 | 13.00 | 1.00 | 13.00 | | | |
| 118+26.11 | 24 | R6-2R(24) | 24" X 30" | 1 | 5.00 | 13.00 | 1.00 | 13.00 | | | |
| 119+50 | 25 | R6-2R(24) | 24" X 30" | 1 | 5.00 | 15.00 | 1.00 | 15.00 | | | |
| 122+55.70 | 25 | R8-2R(24) | 24" X 30" | 1 | 5.00 | 15.00 | 1.00 | 15.00 | | | |
| 124+05 | 26 | R4-7(24) | 24" X 30" | 3 | 5.00 | 15.00 | 1.00 | 15.00 | | | |
| | | | | | | | | | | | |
| **EB RAMP** | | | | | | | | | | | |
| 410+79.38 | 27 | EXIT 4 | 78" X 60" | 1 | 32.50 | | | | 15 | 2 | 30.00 |
| 217+32.01 | 28 | R5-1a(36) | 36" X 24" | 1 | 6.00 | 12.00 | 1.00 | 12.00 | | | |
| 217+32.01 | 29 | R5-1a(36) | 36" X 24" | 1 | 6.00 | 12.00 | 1.00 | 12.00 | | | |
| 217+75.44 | 30 | R3-5L(36) | 36" X 36" | 2 | 9.00 | | | | | | |
| 217+75.44 | 31 | R3-5R(36) | 36" X 36" | 2 | 9.00 | | | | | | |
| | | | | | | | | | | | |
| **WB RAMP** | | | | | | | | | | | |
| 105+37.66 | 32 | R10-11A(30) | 30" X 36" | 1 | 7.50 | | | | | | |
| 309+18.26 | 33 | EXIT 4 | 78" X 60" | 1 | 32.50 | | | | 15 | 2 | 30.00 |
| 312+92.04 | 34 | R5-1a(36) | 36" X 24" | 1 | 6.00 | 12.00 | 1.00 | 12.00 | | | |
| 312+92.04 | 35 | R5-1a(36) | 36" X 24" | 1 | 6.00 | 12.00 | 1.00 | 12.00 | | | |
| | | | | | | | | | | | |
| **TOTAL** | | | | | 302.50 | | | 428.00 | | | 60.00 |

## PAY ITEMS FOR TRAFFIC SIGNAL INSTALLATION #1

| PAY ITEM | DESCRIPTION | | QUANTITY |
|---|---|---|---|
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/65 FT MAST ARM, BLACK | EA | 1 |
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/65 FT AND 55 FT MAST ARM, BLACK | EA | 1 |
| 647-1000 | TRAFFIC SIGNAL INSTALLATION NO. 1 | LUMP | 1 |
| 682-6233 | CONDUIT, NON-METAL, TP 3, 2 IN. | LF | 340 |
| 682-9950 | 5" DIRECTIONAL BORE | LF | 170 |
| 937-4100 | PEDESTRIAN DETECTION SYSTEM, NO 1 | LUMP | 1 |

## PAY ITEMS FOR TRAFFIC SIGNAL INSTALLATION #2

| PAY ITEM | DESCRIPTION | | QUANTITY |
|---|---|---|---|
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/45 FT AND 50 FT MAST ARM, BLACK | EA | 1 |
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/35 FT AND 65 FT MAST ARM, BLACK | EA | 1 |
| 647-1000 | TRAFFIC SIGNAL INSTALLATION NO. 2 | LUMP | 1 |
| 682-6233 | CONDUIT, NON-METAL, TP 3, 2 IN. | LF | 680 |
| 682-9950 | 5" DIRECTIONAL BORE | LF | 340 |
| 937-4100 | PEDESTRIAN DETECTION SYSTEM, NO 2 | LUMP | 1 |

## PAY ITEMS FOR TRAFFIC SIGNAL INSTALLATION #3

| PAY ITEM | DESCRIPTION | | QUANTITY |
|---|---|---|---|
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/45 FT MAST ARM, BLACK | EA | 1 |
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/40 FT AND 50 FT MAST ARM, BLACK | EA | 1 |
| 647-1000 | TRAFFIC SIGNAL INSTALLATION NO. 3 | LUMP | 1 |
| 682-6233 | CONDUIT, NON-METAL, TP 3, 2 IN. | LF | 285 |
| 682-9950 | 5" DIRECTIONAL BORE | LF | 180 |
| 937-4100 | PEDESTRIAN DETECTION SYSTEM, NO 3 | LUMP | 1 |
| 937-6000 | MICROWAVE RADAR ASSEMBLY SYSTEM | LUMP | 1 |

## PAY ITEMS FOR TRAFFIC SIGNAL INSTALLATION #4

| PAY ITEM | DESCRIPTION | | QUANTITY |
|---|---|---|---|
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/50 FT MAST ARM, BLACK | EA | 2 |
| 647-1000 | TRAFFIC SIGNAL INSTALLATION NO. 4 | LUMP | 1 |
| 682-6233 | CONDUIT, NON-METAL, TP 3, 2 IN. | LF | 400 |
| 682-9950 | 5" DIRECTIONAL BORE | LF | 200 |
| 937-4100 | PEDESTRIAN DETECTION SYSTEM, NO 4 | LUMP | 1 |

## STRUCTURAL SUPPORT

| STA. # | SUPPORT NO. | TYPE | SPAN (LF) | SIGN SIZE (LF) | TOTAL (SF) |
|---|---|---|---|---|---|
| 408+18.79, EB (LEFT POST) | 01 | 1 | 88'-6" | 26'-6" X 8'-0" | 212 |
| 207+98.78, EB (RIGHT POST) | | | | 7'-0" X 2'-6" | 17.5 |
| | | | | 16'-0" X 7'-0" | 112 |
| | | | | | |
| | | | | | |
| 408+18.79, EB (LEFT POST) | 02 | 1 | 87'-0" | 26'-6" X 8'-0" | 212 |
| 207+98.78, EB (RIGHT POST) | | | | 7'-0" X 2'-6" | 17.5 |
| | | | | 9'-6" X 6'-0" | 57 |

## PAY ITEMS FOR PAVEMANT MARKING AND SIGN INSTALLATION

| PAY ITEM | DESCRIPTION | UNIT | QUANITITY |
|---|---|---|---|
| 636-1033 | HIGHWAY SIGNS, TP 1 MATL, REFL SHEETING, TP 9 | SF | 302.5 |
| 636-1077 | HIGHWAY SIGNS, ALUM EXTRUDED PANELS, REFL SHEETING, TP 9 | SF | 628 |
| 636-2070 | GALV STEEL POSTS, TP 7 | LF | 415 |
| 636-3010 | GALV STEEL POSTS, TP 9 | LF | 60 |
| 639-2002 | STEEL WIRE STRAND CABLE, 3/8 IN | LF | 140 |
| 639-3004 | STEEL STRAIN POLE, TP IV | EA | 3 |
| 653-0110 | THERMOPLASTIC PVMT MARKING, ARROW, TP 1 | EA | 9 |
| 653-0120 | THERMOPLASTIC PVMT MARKING, ARROW, TP 2 | EA | 32 |
| 653-0160 | THERMOPLASTIC PVMT MARKING, ARROW, TP 6 | EA | 16 |
| 653-0210 | THERMOPLASTIC PVMT MARKING, WORD, TP 1 | EA | 14 |
| 653-2603 | THERMOPLASTIC SOLID TRAF STRIPE, 6 IN, WHITE | LM | 3.04 |
| 653-2602 | THERMOPLASTIC SOLID TRAF STRIPE, 6 IN, YELLOW | LF | 7120 |
| 653-1704 | THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE | LF | 1495 |
| 653-1804 | THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE | LF | 1800 |
| 653-1810 | THERMOPLASTIC SOLID TRAF STRIPE, 10 IN, WHITE | LF | 1050 |
| 653-4503 | THERMOPLASTIC SKIP TRAF STRIPE, 6 IN, WHITE | GLF | 6930 |
| 653-3602 | THERMOPLASTIC SKIP TRAF STRIPE, 6 IN, YELLOW | GLF | 90 |
| 653-4830 | THERMOPLASTIC SKIP TRAF STRIPE, 18 IN, WHITE | GLF | 16 |
| 653-6004 | THERMOPLASTIC TRAF STRIPING, WHITE | SY | 155 |
| 654-1001 | RAISED PVMT MARKERS TP 1 | EA | 21 |
| 654-1003 | RAISED PVMT MARKERS TP 3 | EA | 602 |
| 655-5000 | PVMT ARROW, THERMOPLASTIC, WITH RAISED REFLECTORS | EA | 3 |
| 655-6020 | PREFORMED PLASTIC PVMT MKG ARROW, CONTRAST (BLACK-WHITE), TP 2 | EA | 4 |
| 657-9245 | PREFORMED PLASTIC SOLID PVMT MKG, 9 IN, CONTRAST (BLACK-WHITE), TP PB | LF | 1040 |
| 657-9244 | PREFORMED PLASTIC SOLID PVMT MKG, 9 IN, CONTRAST (BLACK-YELLOW), TP PB | LM | 0.12 |
| 657-4085 | PREFORMED PLASTIC SKIP PVMT MKG, 8 IN, WHITE-BLACK, TP PB | GLF | 620 |
| 657-5003 | PREFORMED PLASTIC PAVEMENT MARKING, WORD TP 1, TP PB | EA | 6 |

## PAY ITEMS FOR ITS

| PAY ITEM | DESCRIPTION | | QUANTITY |
|---|---|---|---|
| 647-2145 | PULLBOX TYPE 4S | EA | 1 |
| 647-2170 | PULLBOX TYPE 7 (SPLIT LID) | EA | 4 |
| 682-6233 | CONDUIT, NON METAL, TP 3, 2 IN | LF | 11,775 |
| 682-9950 | DIRECTIONAL BORE 3" | LF | 1,065 |
| 682-9950 | DIRECTIONAL BORE 5" | LF | 125 |
| 682-9950 | DIRECTIONAL BORE 7" | LF | 820 |
| 935-1112 | OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 12 FIBER | LF | 65 |
| 935-1113 | OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 24 FIBER | LF | 1,865 |
| 935-1114 | OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 72 FIBER | LF | 1,520 |
| 935-1118 | OUTSIDE PLANT FIBER OPTIC CABLE, LOOSE TUBE, SINGLE MODE, 144 FIBER | LF | 3,275 |
| 935-3103 | FIBER OPTIC CLOSURE, UNDERGROUND, 24 FIBER | EA | 2 |
| 935-3106 | FIBER OPTIC CLOSURE, UNDERGROUND, 72 FIBER | EA | 4 |
| 935-3108 | FIBER OPTIC CLOSURE, UNDERGROUND, 144 FIBER | EA | 5 |
| 935-4010 | FIBER OPTIC SPLICE, FUSION | EA | 852 |

ATLAS
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REVISION DATES

SUMMARY OF QUANTITIES
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | |
|---|---|---|---|
| CHECKED: | | DATE: | |
| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No. 06-0003

| DRIVEWAYS | 402-4510 RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME | 402-3190 RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME INCL BITUM MATL & H LIME | 310-1101 GR AGGR BASE CRS, INCL MATL | 413-0750 TACK COAT |
|---|---|---|---|---|
| LOCATION | TN | TN | TN | GL |
| **SARR PKWY CUL-DE-SAC** | | | | |
| 510+85 RT (#1) | 8 | 10 | 30 | 5 |
| | | | | |
| TOTAL | 8 | 10 | 30 | 5 |

| LIGHTING ITEMS | | | |
|---|---|---|---|
| 680-4230 | LIGHTING STD, 31 - 35 FT MH | 46 | EA |
| 680-5270 | LUMINAIRE BRACKET ARM, 12 FT | 46 | EA |
| 680-6130 | LUMINAIRE, TP 3, LED | 46 | EA |
| 682-1505 | CABLE, TP RHH/RHW, AWG NO 8 | 23785 | LF |
| 682-1506 | CABLE, TP RHH/RHW, AWG NO 6 | 5605 | LF |
| 682-1509 | CABLE, TP RHH/RHW, AWG NO 2 | 345 | LF |
| 682-2110 | ELECTRICAL SERVICE POINT | 2 | EA |
| 682-2120 | PULL BOX, TYPE 2 | 10 | EA |
| 682-6120 | CONDUIT, RIGID, 2 IN | 110 | LF |
| 682-6222 | CONDUIT, NONMETL, TP 2, 2 IN | 9370 | LF |
| 682-9023 | ELECTRICAL JUNCTION BOX, GALVANIZED, SIZE - 12"x10"x8" | 2 | EA |
| 682-9950 | DIRECTIONAL BORE - 2" | 630 | LF |

| JACK OR BORE | | | |
|---|---|---|---|
| **PAY ITEM** | **DESCRIPTION** | **UNIT** | **QTY** |
| 615-1000 | JACK OR BORE PIPE - TEMP 18" PIPE | LF | 50 |

| FENCE AND GATE TABLE | | | |
|---|---|---|---|
| **LOCATION** | **PAY ITEM** | **UNIT** | **QTY** |
| US 78 WB RAMP 510+53.02 - 519+96.66 | 643-2162 | LF | 980 |
| GATE US 78 WB RAMP 505+68.64 | 643-8010 | EA | 1 |

| WATER AND SEWER ITEMS | | | |
|---|---|---|---|
| PAY-ITEM NO. | DESCRIPTION | UNIT | TOTAL |
| 611-8140 | ADJUST WATER VALVE BOX TO GRADE | EA | 10 |
| 611-8050 | ADJUST MANHOLE TO GRADE | EA | 5 |

| ENHANCED DRY SWALE | | | |
|---|---|---|---|
| **LOCATION** | **PAY ITEM** | **UNIT** | **QTY** |
| US 78 STA 204+79.05 - 207+31.21 (EB EXIT RAMP) | 169-0020 | EA | 1 |

| ENHANCED DRY SWALE MAINTENANCE | | | |
|---|---|---|---|
| **LOCATION** | **PAY ITEM** | **UNIT** | **QTY** |
| US 78 STA 204+79.05 - 207+31.21 (EB EXIT RAMP) | 169-0021 | EA | 1 |

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US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 06-0004 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

# TRAFFIC SIGNAL INSTALLATION NO.1

| 937-4100 PEDESTRIAN DETECTION SYSTEM, NO 1 | UNIT | QUANTITY |
|---|---|---|
| PEDESTRIAN PUSHBUTTON STATION, W/BUTTON AND SIGN 9" X 15", RIO-E, (L)EFT OR (R)IGHT, COUNTDOWN | EA | 1 |
| PEDESTRIAN PUSHBUTTON STATION ADAPTER (ONLY) 9" X 15", PUSH BUTTON STATION ADAPTER | EA | 1 |
| DC ISOLATOR | EA | 2 |
| LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000FT), 3 PAIR, 18 AWG | REEL | 1 |

# TRAFFIC SIGNAL INSTALLATION NO.2

| 937-4100 PEDESTRIAN DETECTION SYSTEM, NO 2 | UNIT | QUANTITY |
|---|---|---|
| PEDESTRIAN PUSHBUTTON STATION, W/BUTTON AND SIGN 9" X 15", RIO-E, (L)EFT OR (R)IGHT, COUNTDOWN | EA | 4 |
| PEDESTRIAN PUSHBUTTON STATION ADAPTER (ONLY) 9" X 15", PUSH BUTTON STATION ADAPTER | EA | 4 |
| DC ISOLATOR | EA | 2 |
| LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000FT), 3 PAIR, 18 AWG | REEL | 1 |

# TRAFFIC SIGNAL INSTALLATION NO.3

| 937-4100 PEDESTRIAN DETECTION SYSTEM, NO 3 | UNIT | QUANTITY |
|---|---|---|
| PEDESTRIAN PUSHBUTTON STATION, W/BUTTON AND SIGN 9" X 15", RIO-E, (L)EFT OR (R)IGHT, COUNTDOWN | EA | 1 |
| PEDESTRIAN PUSHBUTTON STATION ADAPTER (ONLY) 9" X 15", PUSH BUTTON STATION ADAPTER | EA | 1 |
| DC ISOLATOR | EA | 2 |
| LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000FT), 3 PAIR, 18 AWG | REEL | 1 |

# TRAFFIC SIGNAL INSTALLATION NO.4

| 937-4100 PEDESTRIAN DETECTION SYSTEM, NO 4 | UNIT | QUANTITY |
|---|---|---|
| PEDESTRIAN PUSHBUTTON STATION, W/BUTTON AND SIGN 9" X 15", RIO-E, (L)EFT OR (R)IGHT, COUNTDOWN | EA | 1 |
| PEDESTRIAN PUSHBUTTON STATION ADAPTER (ONLY) 9" X 15", PUSH BUTTON STATION ADAPTER | EA | 1 |
| DC ISOLATOR | EA | 2 |
| LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000FT), 3 PAIR, 18 AWG | REEL | 1 |

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REVISION DATES

SUMMARY OF QUANTITIES
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 06-0005 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

# QUANTITIES REQUIRED BY AMENDMENT

| DATE | ITEM NO. | AMENDMENT DATE | AMENDMENT NUMBER | DESCRIPTION | UNIT | ORIGINAL QUANTITY | REQUIRED BY AMENDMENT QUANTITY |
|---|---|---|---|---|---|---|---|
| XX-XX-XX | XXX-XXXX | XX-XX-XX | X | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | XX | XXX | XXX |

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REVISION DATES

QUANTITIES (AMENDMENT)
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | |
|---|---|---|---|
| CHECKED: | | DATE: | |
| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No.
07-0001

# QUANTITIES REQUIRED ON CONSTRUCTION

| DATE | ITEM NO. | DESCRIPTION | UNIT | ORIGINAL QUANTITY | PREVIOUS QUANTITY | REQUIRED ON CONSTRUCTION QUANTITY |
|---|---|---|---|---|---|---|
| XX-XX-XX | XXX-XXXX | XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX | XX | XXX | XXX | XXX |

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QUANTITIES (CONSTRUCTION)

US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

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|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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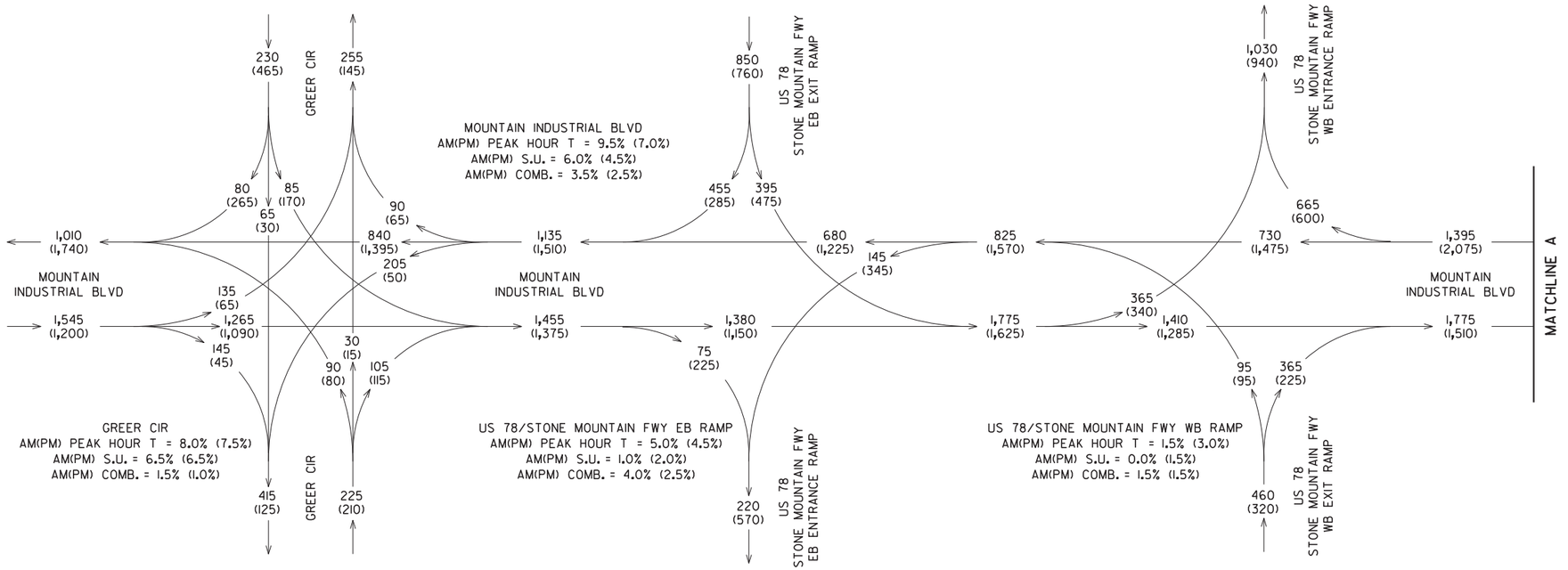


2022 EXISTING
PEAK HOUR AM = 000
PEAK HOUR PM = (000)

Keck+Wood
COLLABORATION BY DESIGN
3090 Premiere Parkway, Suite 200
Duluth, GA 30097
(678) 417-4000 keckwood.com

REVISION DATES

**TRAFFIC DIAGRAM**
US 78/STONE MOUNTAIN FWY AT
MOUNTAIN INDUSTRIAL BLVD
DEKALB COUNTY

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | |
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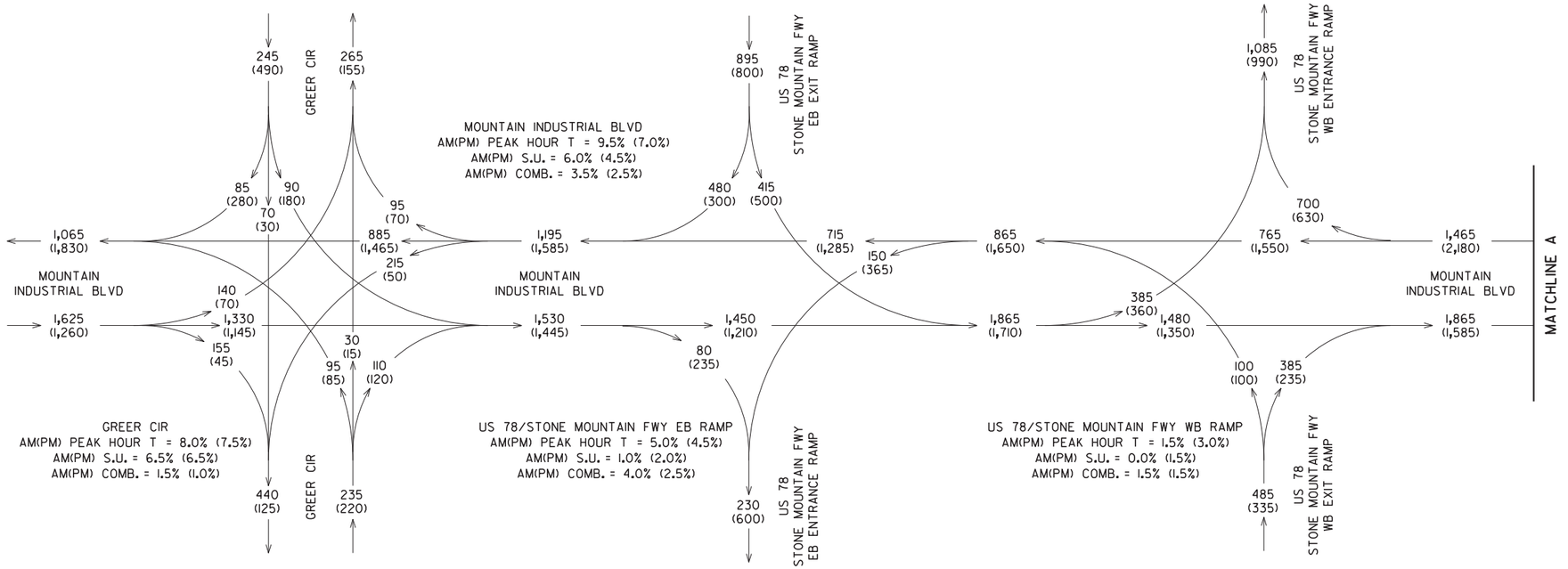


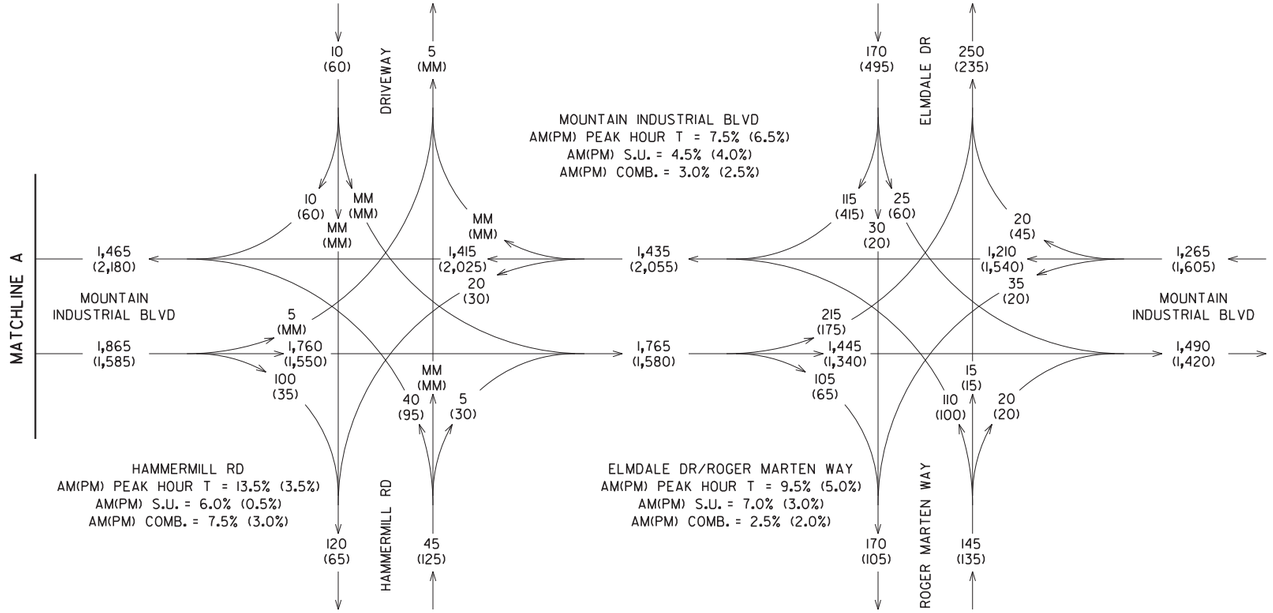


MM: MINIMAL MOVEMENT

NO BUILD/BUILD
2027 DHV AM = 000
2027 DHV PM = (000)

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REVISION DATES

**TRAFFIC DIAGRAM**
US 78/STONE MOUNTAIN FWY AT
MOUNTAIN INDUSTRIAL BLVD
DEKALB COUNTY

| | | DATE: | | DRAWING No. |
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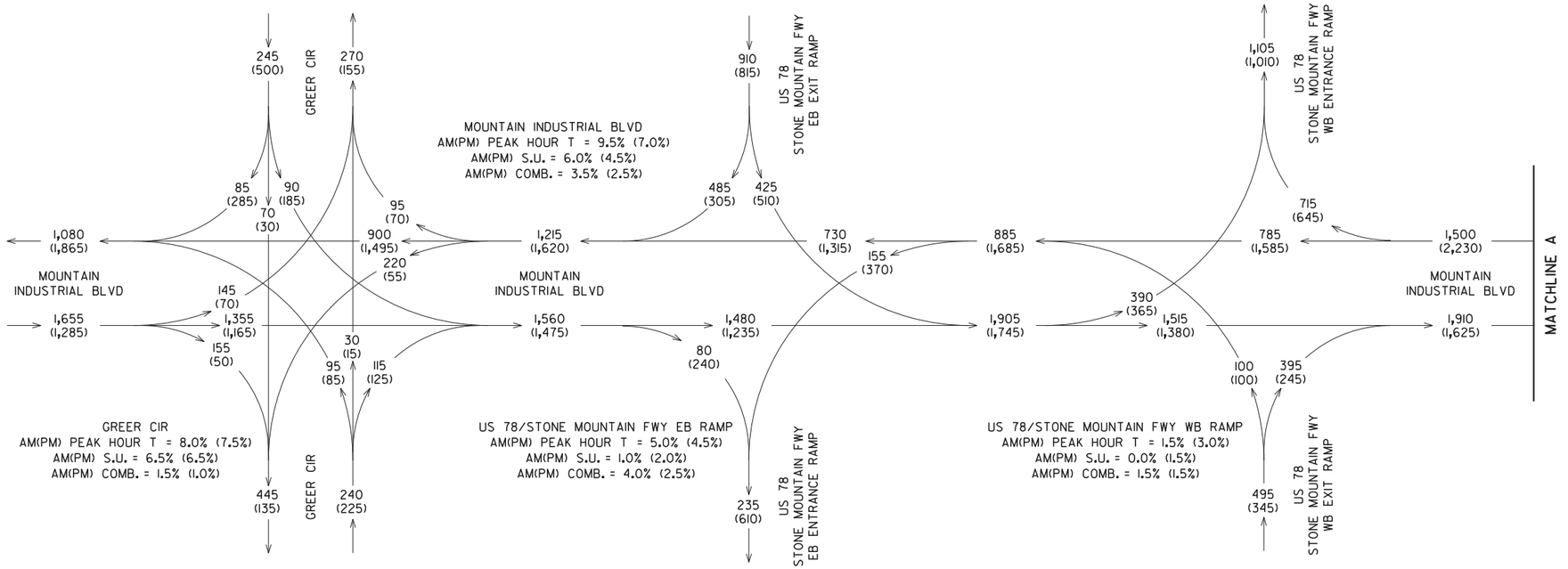


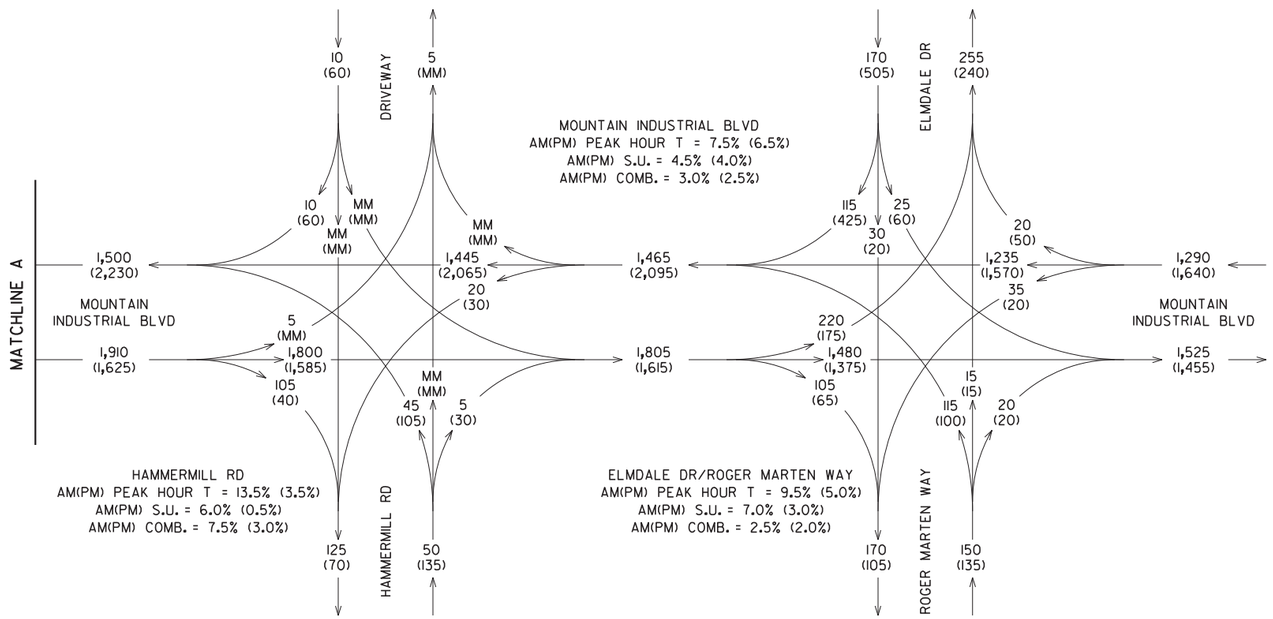


MM: MINIMAL MOVEMENT

NO BUILD/BUILD
2029 DHV AM = 000
2029 DHV PM = (000)

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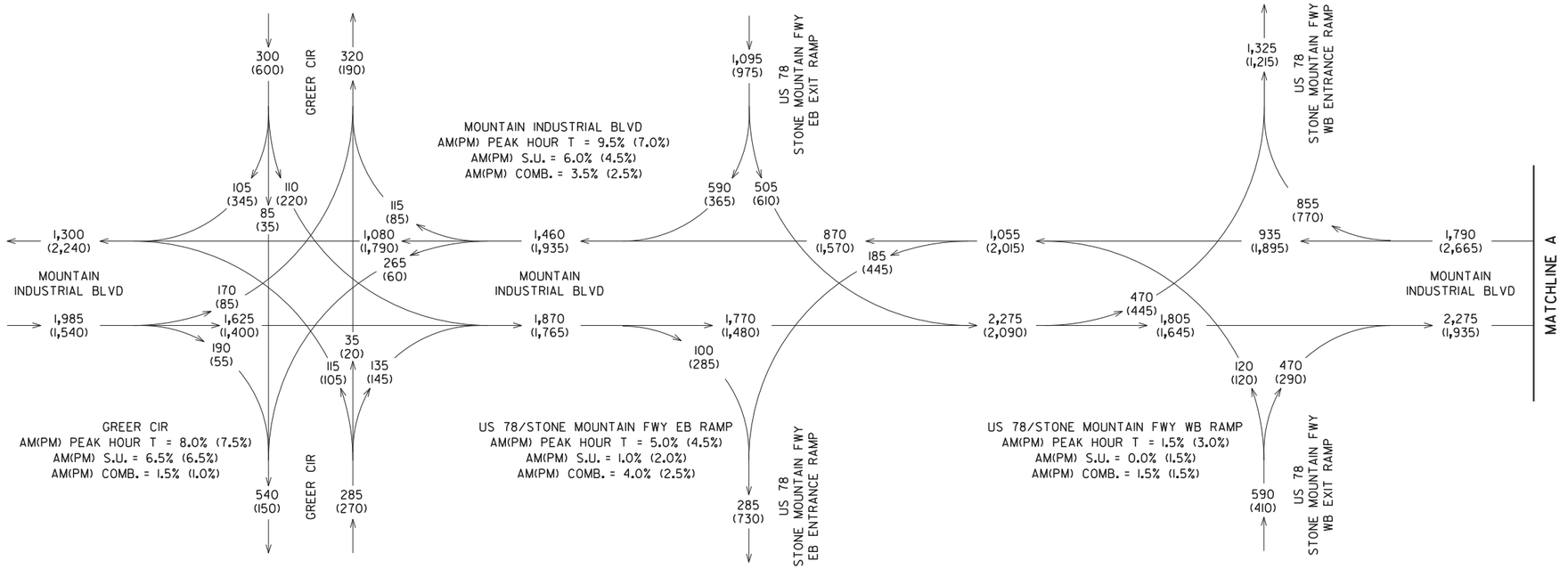
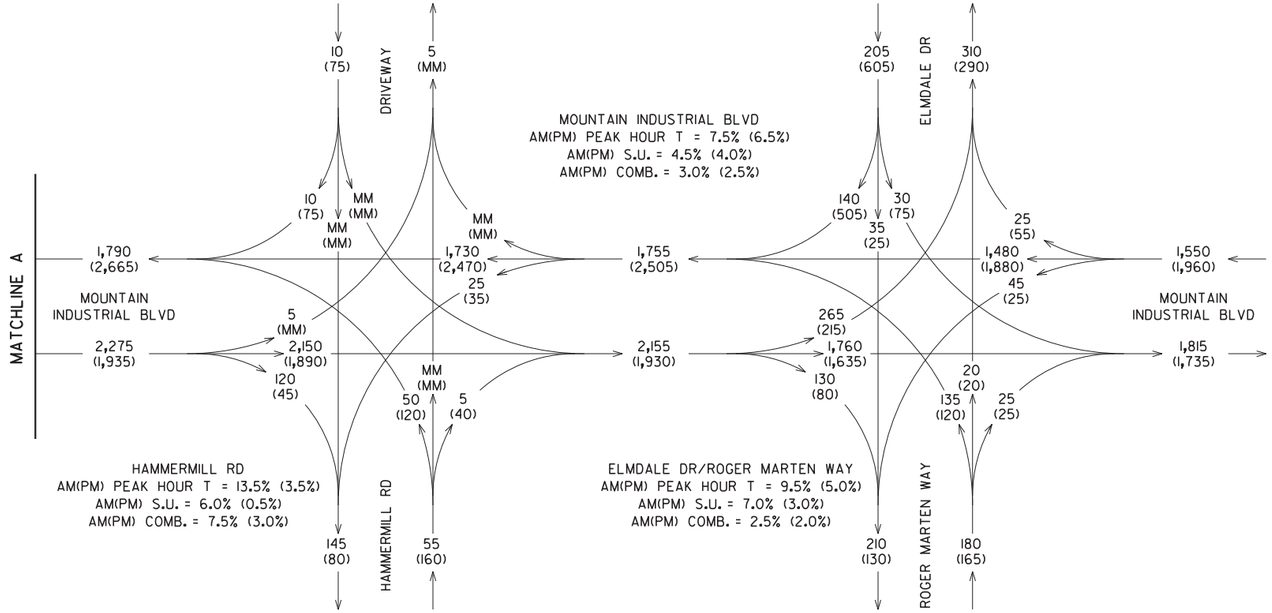
REVISION DATES

**TRAFFIC DIAGRAM**
US 78/STONE MOUNTAIN FWY AT
MOUNTAIN INDUSTRIAL BLVD
DEKALB COUNTY

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 10-0003 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

10/23/2015 GPLN




MM: MINIMAL MOVEMENT

NO BUILD/BUILD
2047 DHV AM = 000
2047 DHV PM = (000)

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REVISION DATES

**TRAFFIC DIAGRAM**
US 78/STONE MOUNTAIN FWY AT
MOUNTAIN INDUSTRIAL BLVD
DEKALB COUNTY

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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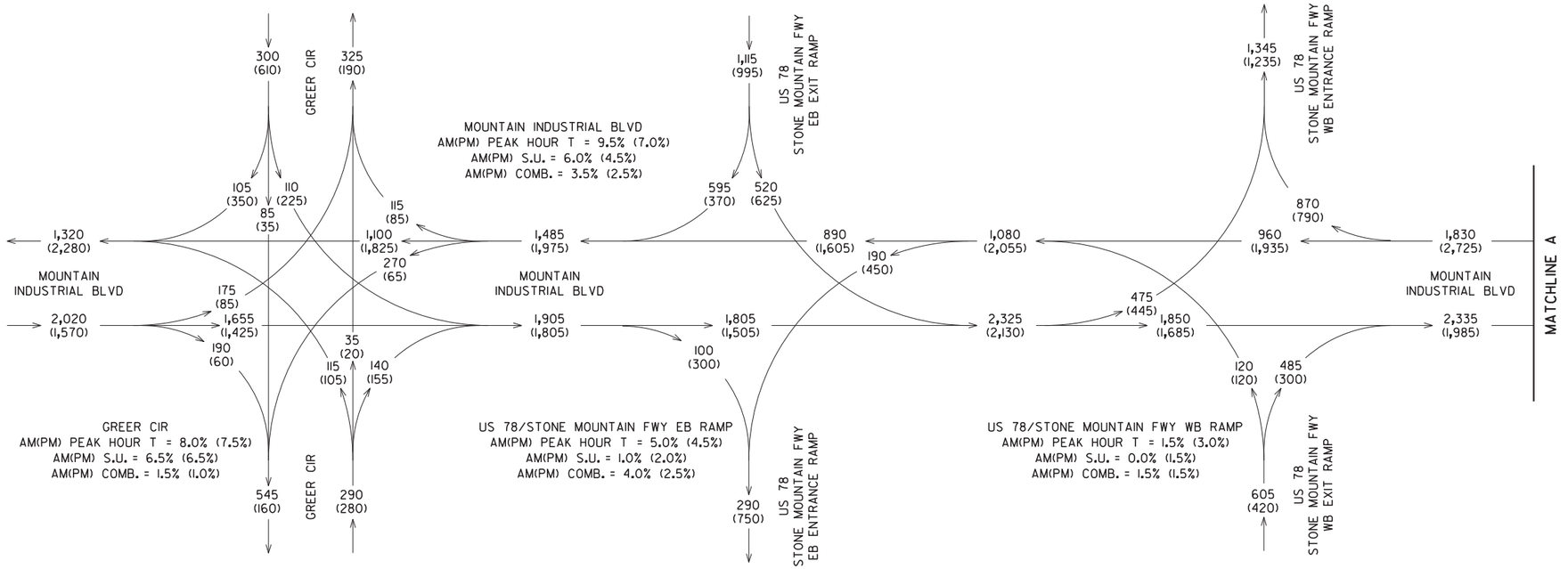
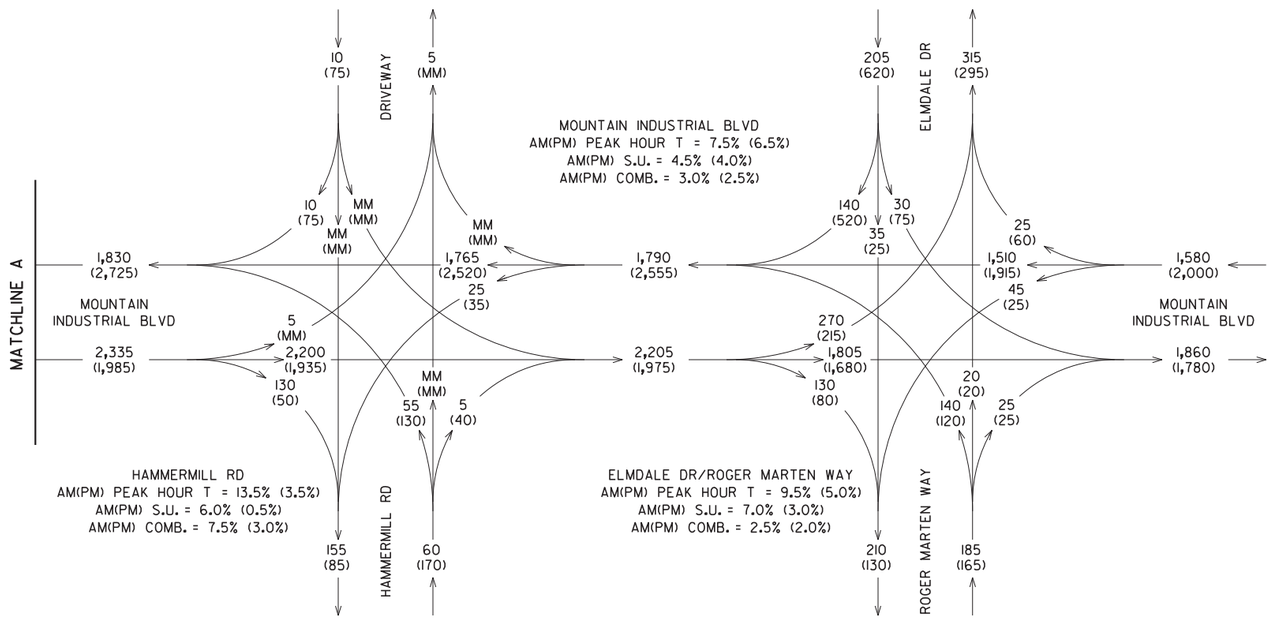
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |




MM: MINIMAL MOVEMENT

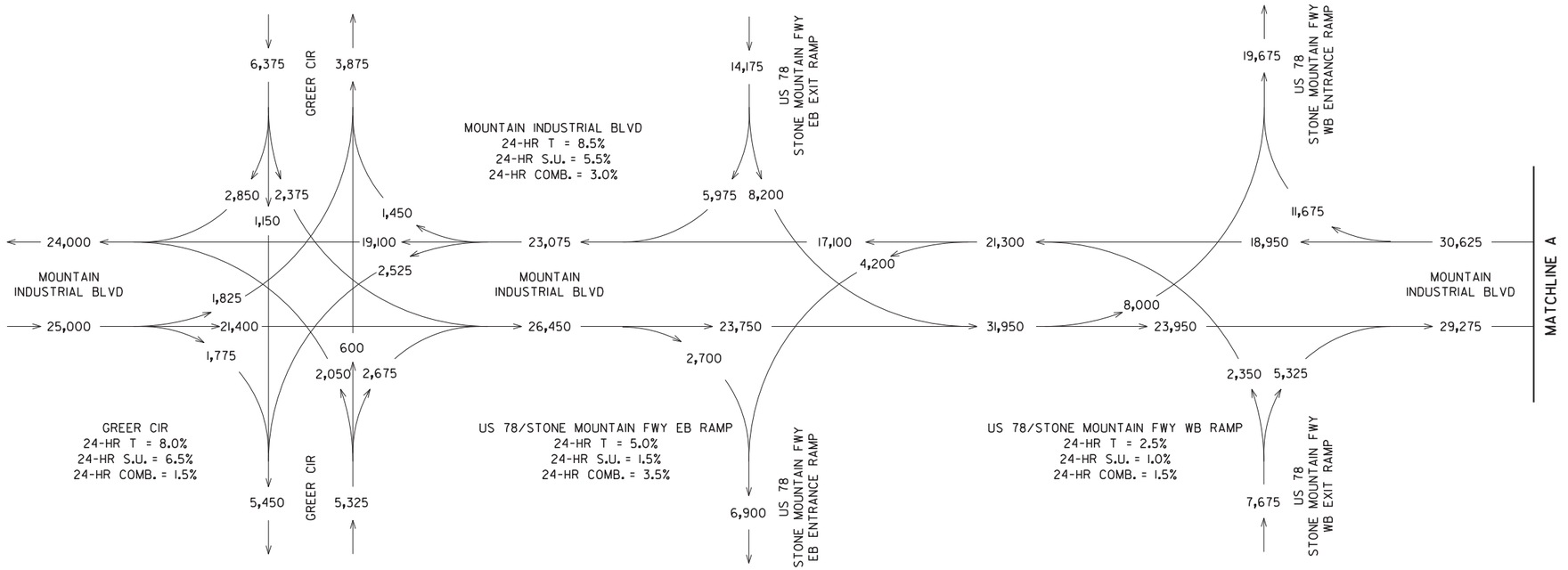
NO BUILD/BUILD
2049 DHV AM = 000
2049 DHV PM = (000)

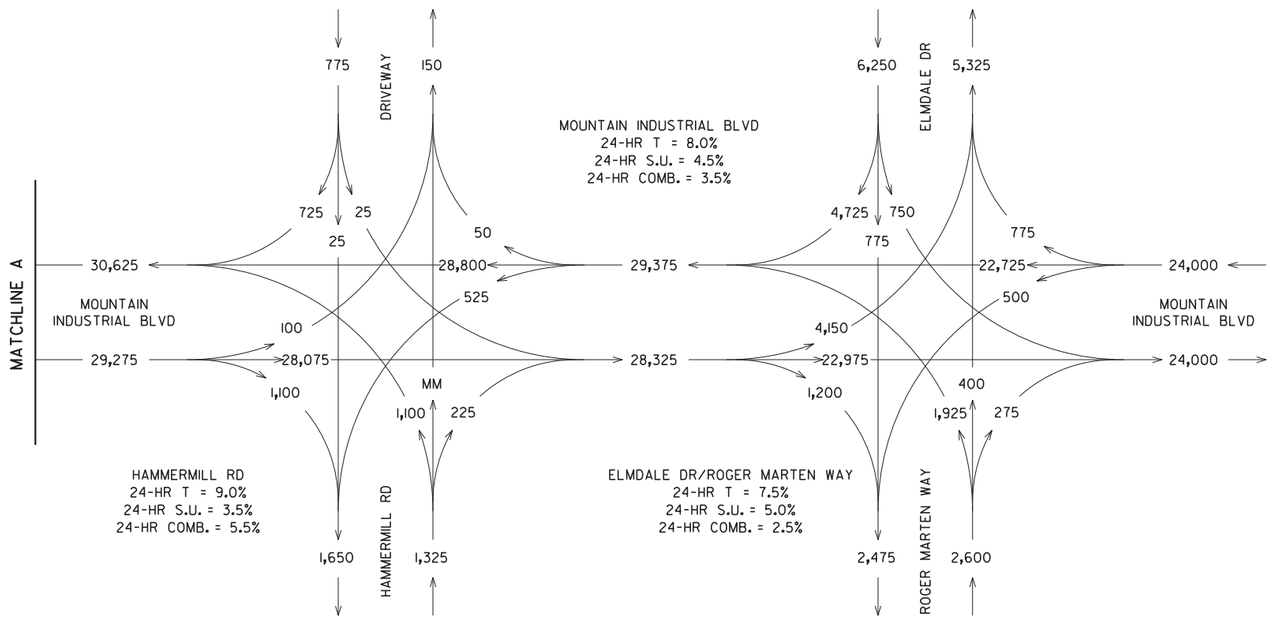
Keck+Wood
COLLABORATION BY DESIGN
3090 Premiere Parkway, Suite 200
Duluth, GA 30097
(678) 417-4000 keckwood.com

REVISION DATES

**TRAFFIC DIAGRAM**
US 78/STONE MOUNTAIN FWY AT
MOUNTAIN INDUSTRIAL BLVD
DEKALB COUNTY

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | |
| CORRECTED: | | DATE: | | 10-0005 |
| VERIFIED: | | DATE: | | |




MM: MINIMAL MOVEMENT

EXISTING
2022 AADT = 000

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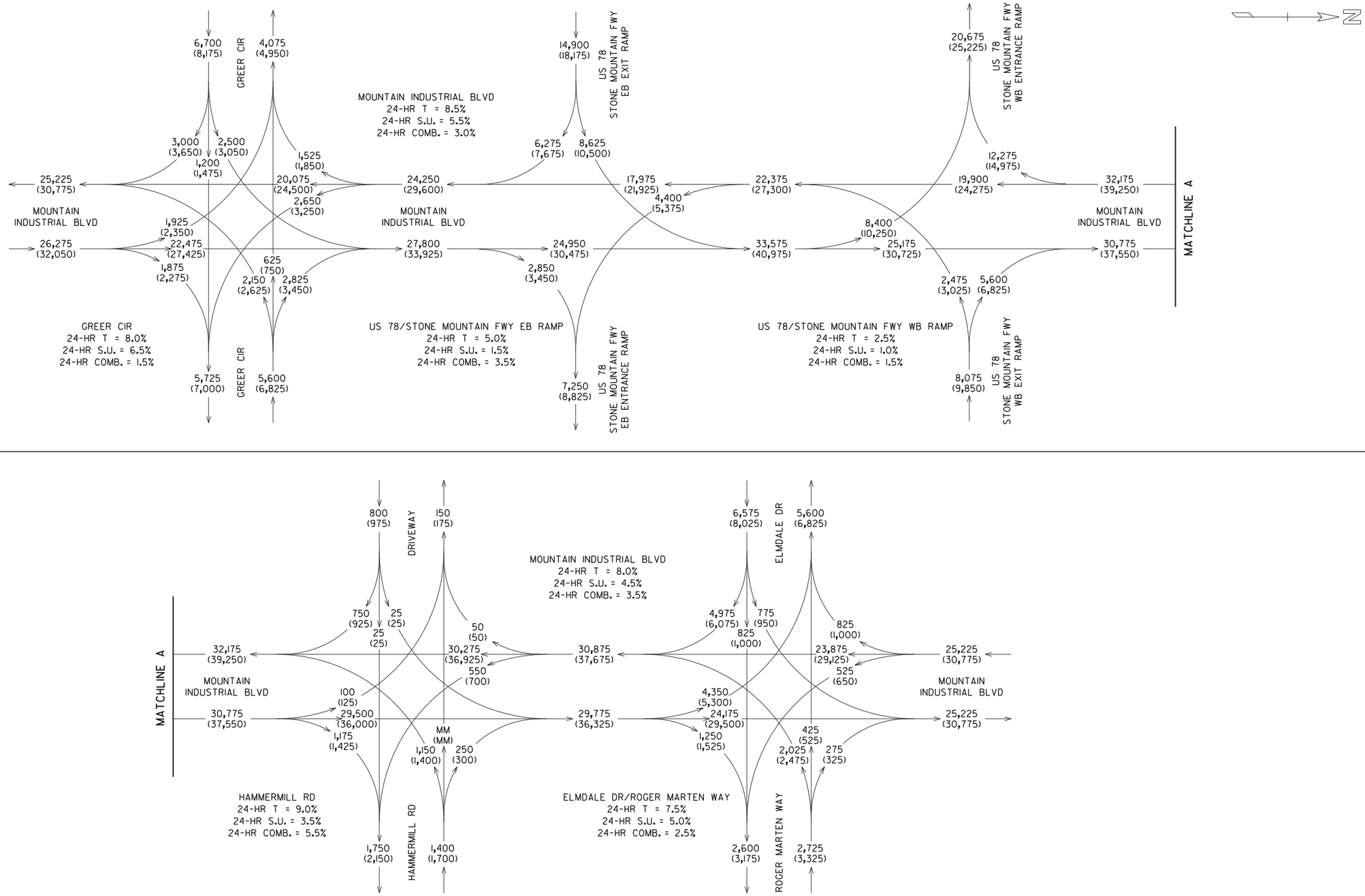
REVISION DATES

**TRAFFIC DIAGRAM**
US 78/STONE MOUNTAIN FWY AT
MOUNTAIN INDUSTRIAL BLVD
DEKALB COUNTY

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | |
| CORRECTED: | | DATE: | | 10-0006 |
| VERIFIED: | | DATE: | | |




NO BUILD/BUILD
2027 AADT = 000
2047 AADT = (000)

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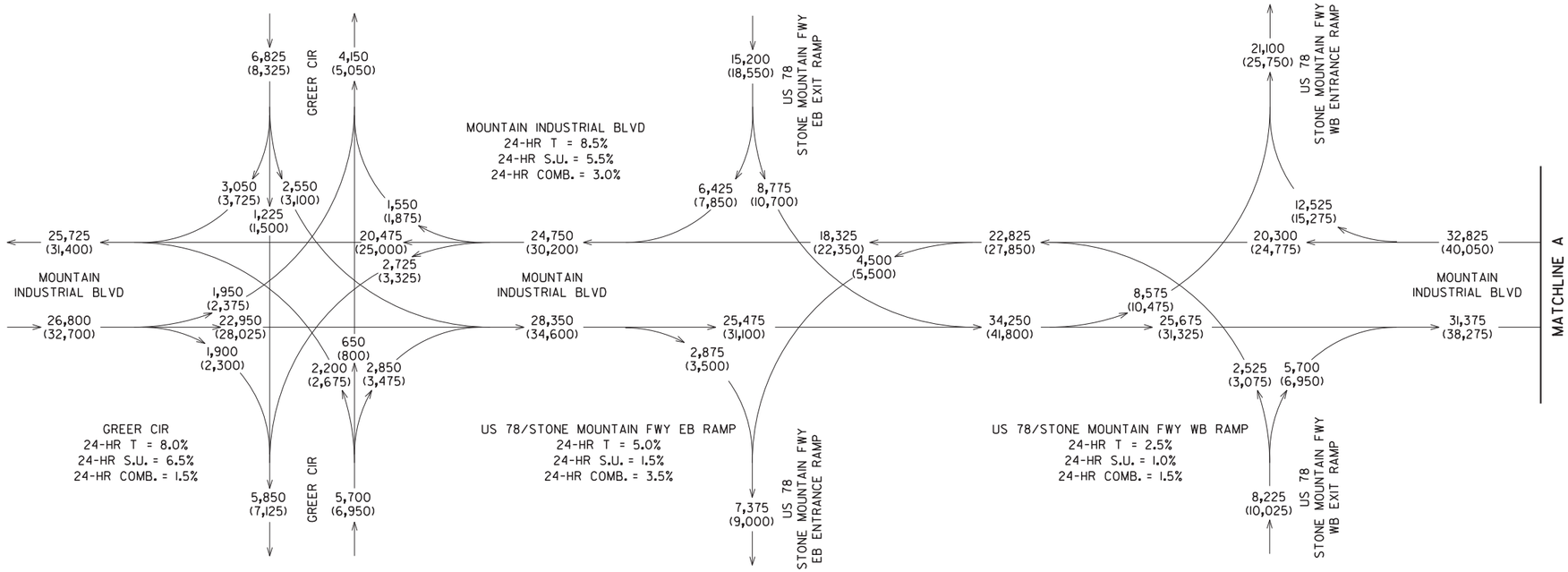
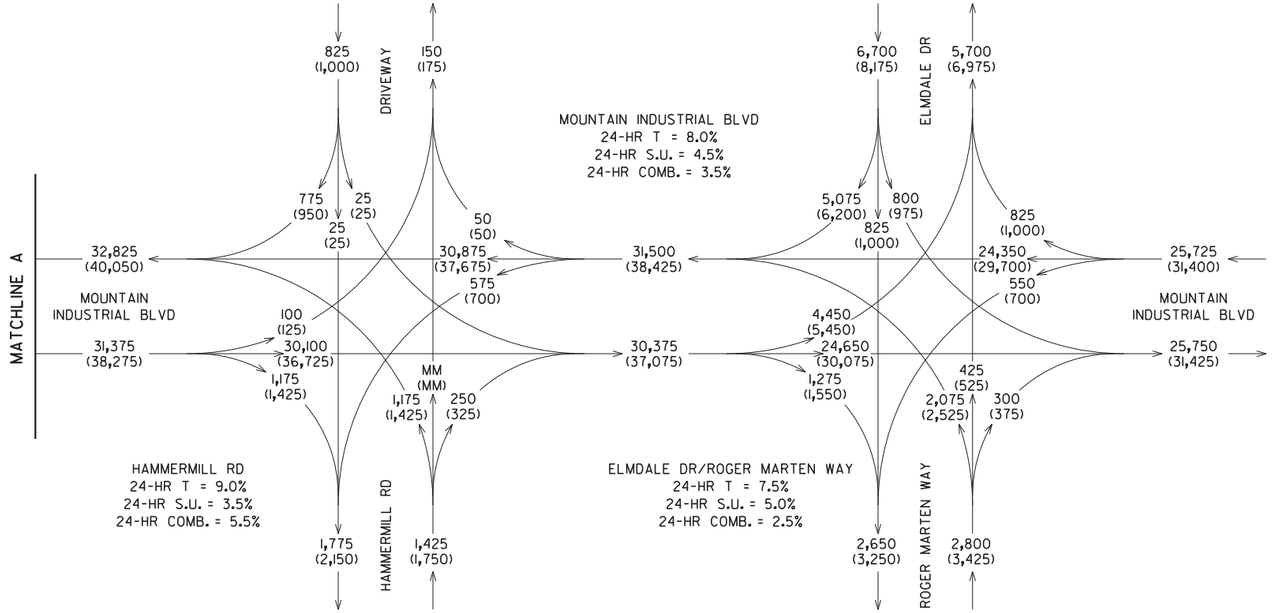
REVISION DATES

**TRAFFIC DIAGRAM**
US 78/STONE MOUNTAIN FWY AT
MOUNTAIN INDUSTRIAL BLVD
DEKALB COUNTY

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 10-0007 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |




NO BUILD/BUILD
2029 AADT = 000
2049 AADT = (000)

Keck+Wood
COLLABORATION BY DESIGN
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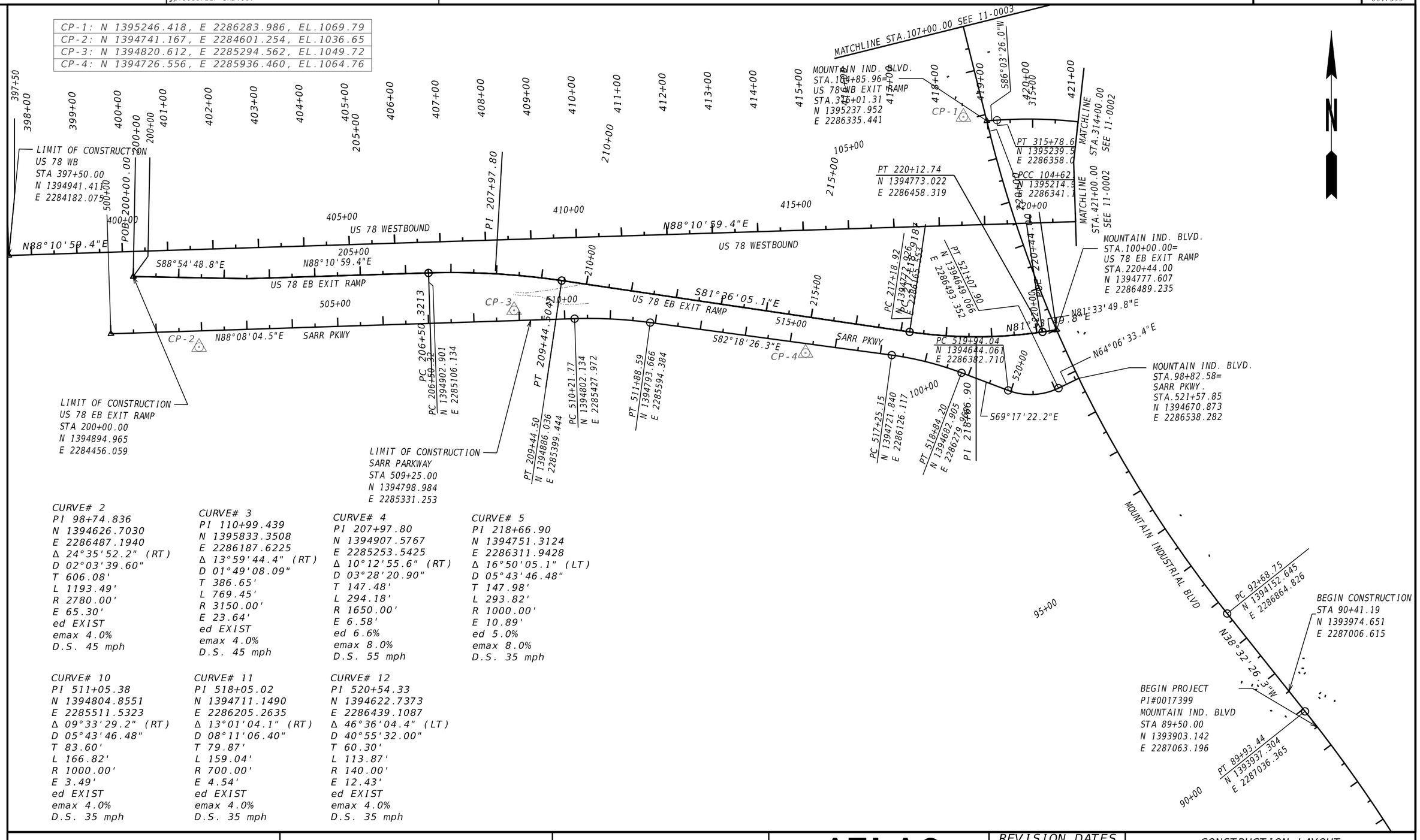
REVISION DATES

**TRAFFIC DIAGRAM**
US 78/STONE MOUNTAIN FWY AT
MOUNTAIN INDUSTRIAL BLVD
DEKALB COUNTY

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | |
| CORRECTED: | | DATE: | | 10-0008 |
| VERIFIED: | | DATE: | | |

CP-1: N 1395246.418, E 2286283.986, EL.1069.79
CP-2: N 1394741.167, E 2284601.254, EL.1036.65
CP-3: N 1394820.612, E 2285294.562, EL.1049.72
CP-4: N 1394726.556, E 2285936.460, EL.1064.76




CURVE# 2
PI 98+74.836
N 1394626.7030
E 2286487.1940
Δ 24°35'52.2" (RT)
D 02°03'39.60"
T 606.08'
L 1193.49'
R 2780.00'
E 65.30'
ed EXIST
emax 4.0%
D.S. 45 mph

CURVE# 3
PI 110+99.439
N 1395833.3508
E 2286187.6225
Δ 13°59'44.4" (RT)
D 01°49'08.09"
T 386.65'
L 769.45'
R 3150.00'
E 23.64'
ed EXIST
emax 4.0%
D.S. 45 mph

CURVE# 4
PI 207+97.80
N 1394907.5767
E 2285253.5425
Δ 10°12'55.6" (RT)
D 03°28'20.90"
T 147.48'
L 294.18'
R 1650.00'
E 6.58'
ed 6.6%
emax 8.0%
D.S. 55 mph

CURVE# 5
PI 218+66.90
N 1394751.3124
E 2286311.9428
Δ 16°50'05.1" (LT)
D 05°43'46.48"
T 147.98'
L 293.82'
R 1000.00'
E 10.89'
ed 5.0%
emax 8.0%
D.S. 35 mph

CURVE# 10
PI 511+05.38
N 1394804.8551
E 2285511.5323
Δ 09°33'29.2" (RT)
D 05°43'46.48"
T 83.60'
L 166.82'
R 1000.00'
E 3.49'
ed EXIST
emax 4.0%
D.S. 35 mph

CURVE# 11
PI 518+05.02
N 1394711.1490
E 2286205.2635
Δ 13°01'04.1" (RT)
D 08°11'06.40"
T 79.87'
L 159.04'
R 700.00'
E 4.54'
ed EXIST
emax 4.0%
D.S. 35 mph

CURVE# 12
PI 520+54.33
N 1394622.7373
E 2286439.1087
Δ 46°36'04.4" (LT)
D 40°55'32.00"
T 60.30'
L 113.87'
R 140.00'
E 12.43'
ed EXIST
emax 4.0%
D.S. 35 mph

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SCALE IN FEET
0 100 200 400

REVISION DATES

CONSTRUCTION LAYOUT
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 11-0001 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

CURVE# 6
PI 303+56.02
N 1395061.7377
E 2287565.0848
Δ 04°15'44.8" (LT)
D 02°00'19.63"
T 106.32'
L 212.54'
R 2857.00'
E 1.98'
ed 4.6%
emax 8.0%
D.S. 55 mph

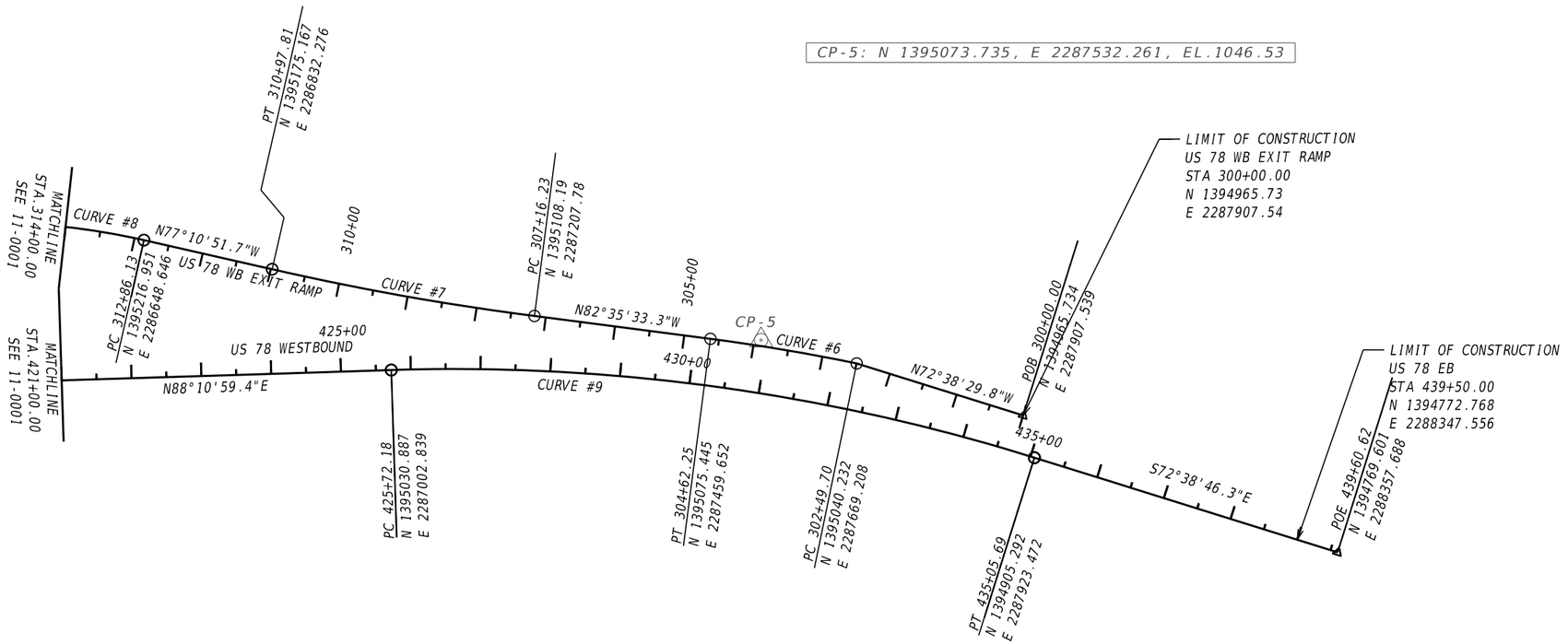
CURVE# 7
PI 309+07.16
N 1395132.8054
E 2287018.4474
Δ 05°24'41.7" (RT)
D 01°25'05.56"
T 190.93'
L 381.58'
R 4040.00'
E 4.51'
ed 2.4%
emax 8.0%
D.S. 45 mph

CURVE# 8
PI 314+33.46
N 1395249.6384
E 2286504.9921
Δ 16°45'42.3" (LT)
D 05°43'46.48"
T 147.33'
L 292.55'
R 1000.00'
E 10.79'
ed 5.0%
emax 8.0%
D.S. 45 mph

CURVE# 9
PI 430+43.34
N 1395045.8248
E 2287473.7604
Δ 19°10'14.3" (RT)
D 02°03'13.00"
T 471.16'
L 933.51'
R 2790.00'
E 39.50'
ed EXIST
emax 8.0%
D.S. 65 mph

N

CP-5: N 1395073.735, E 2287532.261, EL.1046.53

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SCALE IN FEET
0 100 200 400

REVISION DATES

CONSTRUCTION LAYOUT
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 11-0002 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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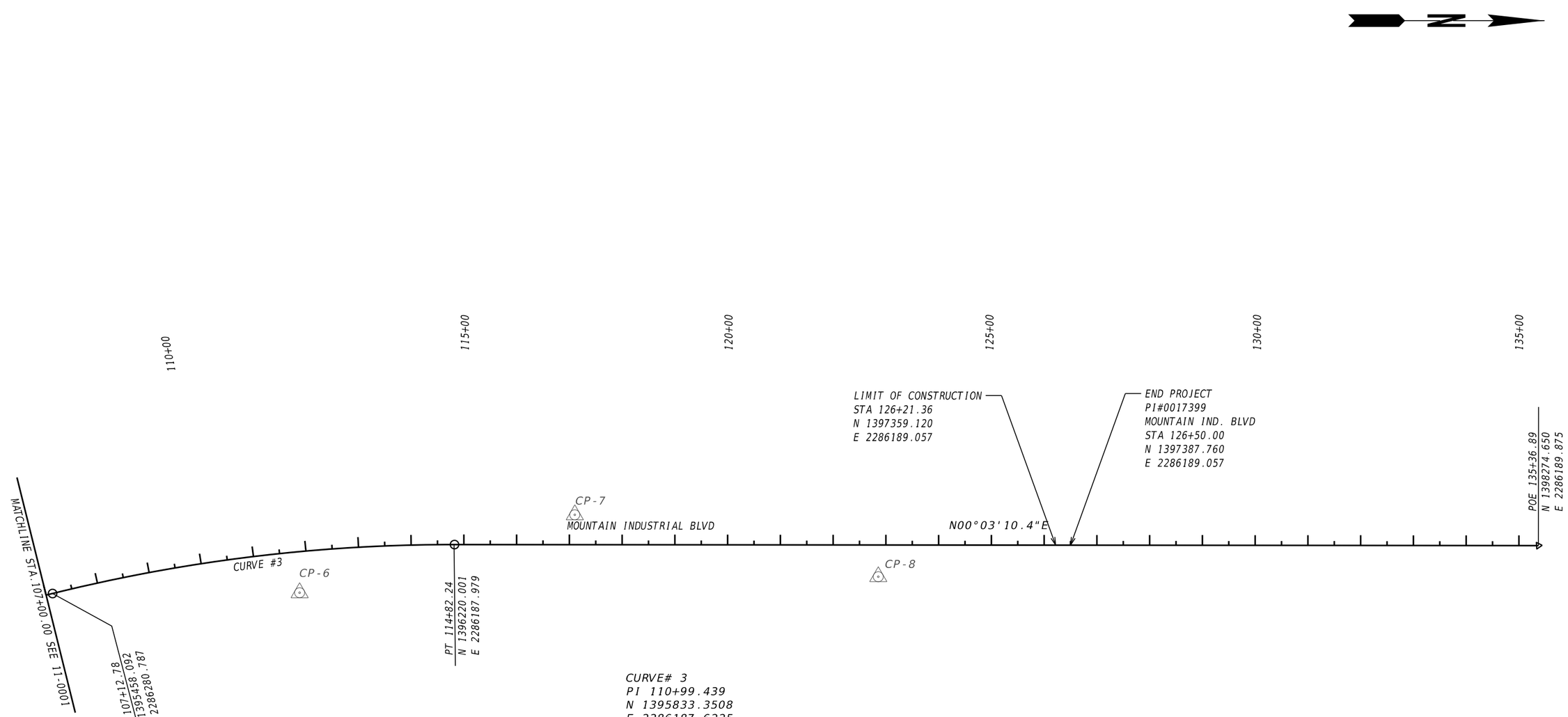
11/05/2020




CURVE# 3
PI 110+99.439
N 1395833.3508
E 2286187.6225
Δ 13°59'44.4" (RT)
D 01°49'08.09"
T 386.65'
L 769.45'
R 3150.00'
E 23.64'
ed EXIST
emax 4.0%
D.S. 45 mph

| |
|---|
| CP-6: N 1395926.325, E 2286279.309, EL.1059.47 |
| CP-7: N 1396447.877, E 2286131.582, EL.1063.94 |
| CP-8: N 1397023.220, E 2286248.941, EL.1069.07 |

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SCALE IN FEET
0 100 200 400

REVISION DATES

CONSTRUCTION LAYOUT
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 11-0003 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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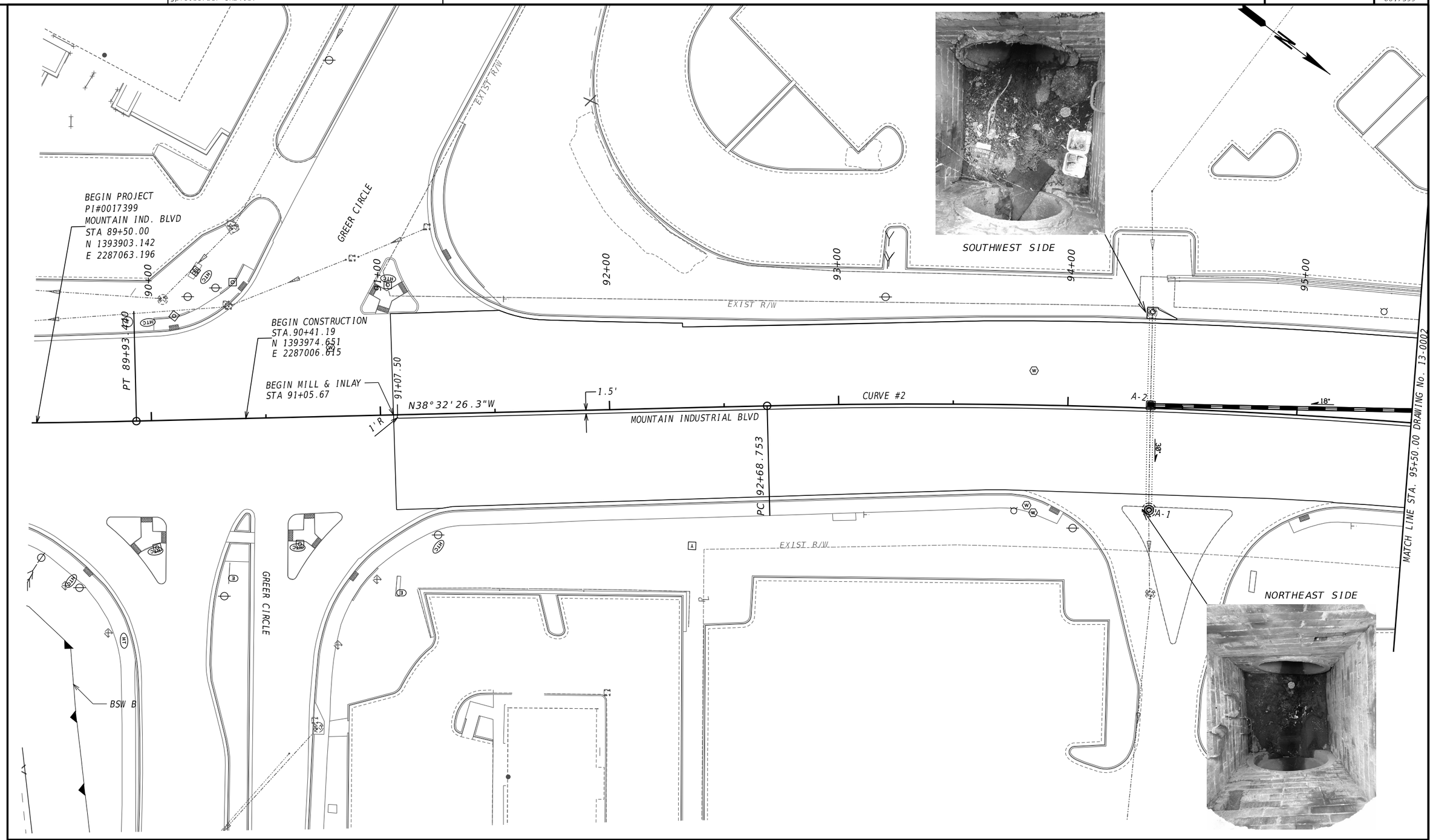
11/05/2020




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS | BLA |
| END LIMIT OF ACCESS | ELA |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

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770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION PLAN
## US 78 AT MOUNTAIN IND. BLVD
## CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 13-0001 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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ETHIOPIAN EVANGELICAL CHURCH

END FENCE
STA: 519+96.66
OFF: 25.79' RT

EXIST R/W

BEGIN C&G 8"X30" TP2
STA.97+42.25
37.00' LT

BEGIN S/W
STA.97+98.74
46.50' LT

PI 98+74.84

SARR PKWY.

OBLITERATE, PVMT, GRADE TO DRAIN AND GRASS

END DITCH
STA.219+32.47
48.00' RT

END C&G
8"X30" TP2
STA.219+32.47
24.00' RT

END S/W
STA.99+72.62
65.35' LT

PROP. SIGNAL POLE
STA.99+59.52
71.45' LT

MATCH LINE STA. 219+00.00 DRAWING No. 13-0011

10' SHLDR.

24' +32

US 78 EB EXIT RAMP

SHOULDER

BEGIN C&G 8"X30" TP2
STA.219+50.63
24.00' LT

END DITCH
STA.219+50.63
44.00' LT

BEGIN EXIST BRIDGE
STA 101+16.07

CURVE #5

MATCH LINE STA. 95+50.00 DRAWING No. 13-0001

5' S/W

WCR TP A

STA.99+62.59
6.32' LT

STA.99+63.00
13.00' LT

24' +2

6" CONC. MEDIAN

4'R

CURVE #2

MOUNTAIN INDUSTRIAL BLVD

PT 220+12.74

N 81°35'38" E

AOE 220+44.00

MOUNTAIN IND. BLVD.
STA.98+82.58=
SARR PKWY.
STA.521+57.85
N 1394670.873
E 2286538.282

MOUNTAIN IND. BLVD.
STA.100+00.00=
US 78 EB EXIT RAMP
STA.220+44.00
N 1394777.607
E 2286489.235

END MILL & INLAY
BEGIN EXIST
CONC APPR SLAB
STA.100+84.00

END C&G
8"X30" TP2
STA.100+97.52
37.00' LT

BEGIN C&G 8"X30" TP 2
STA.98+30.73
38.71' RT

WCR TP A

5' S/W

S/W TAPER
STA.98+30.04
48.07' RT

75'R

END S/W
STA.99+50.47
71.10' RT

US 78 EB ENTRANCE RAMP

30'R

END TP T GUARDRAIL
TIE TO EXIST. BRIDGE
STA.100+96.50
41.98' RT

END TP W GUARDRAIL
BEGIN TP T GUARDRAIL
STA.100+75.54
42.08' RT

STA.100+33.07
41.79' RT

PROP. SIGNAL POLE
STA.100+23.47
50.14' RT

STA.100+02.43
66.03' RT

BEGIN S/W
TIE TO EXIST.
STA.98+20.48
46.87' RT

END C&G 8"X30" TP 2
STA.99+52.53
69.61' RT

EXIST R/W & L/A

BEGIN TP W GUARDRAIL
TP 1 ANCHOR
STA.99+89.70
126.46' RT

MATCH LINE STA. 101+50.00 DRAWING No. 13-0003

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 13-0002 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

US 78 EASTBOUND
US 78 WESTBOUND
US 78 WB ENTRANCE RAMP
MOUNTAIN INDUSTRIAL BLVD
MOUNTAIN IND. BLVD.
STA.104+85.97=
US 78 WB EXIT RAMP
STA 316+01.31
N 1395237.952
E 2286335.441
END EXIST CONC APPR SLAB
BEGIN MILL & INLAY
STA.104+07.00
END EXIST BRIDGE
STA 103+76
PROP. SIGNAL POLE
STA.104+47.88
50.74' LT
PROP. 10' PED POLE
STA.104+82.50
52.75' RT
PROP. 10' PED POLE
STA.104+25.69
49.55' RT
BEGIN C&G 8"X30" TP 2
STA.103+98.50
37.29' RT
BEGIN S/W
TIE TO EXIST.
STA.103+92.35
43.26' RT
S/W TAPER
STA.104+02.41
46.79' RT
END S/W
STA.315+14.99
18.50' LT
END DITCH
STA.315+14.96
36.00' LT
END C&G 8"X30" TP2
STA.315+14.99
16.00' LT
CURVE #2
POE 316+01.31
PT 104+62.244
PT 315+78.68
S86°03'26.0"W
80°03'26.0"
N13°56'34.0"W
105+39.00
BEGIN TAPER
STA.107+12.78
CURVE #3
4.75'R
9.5'
6" CONC. MEDIAN
STA.105+43.73
9.50' RT
S/W TAPER
STA.105+90.42
45.44' RT
END C&G 8"X30" TP 2
STA.105+94.49
35.85' RT
END S/W
TIE TO EXIST.
STA.106+08.83
43.54' RT
PC 107+12.789
WCR
TP D
WCR
TP B
I-1
5' S/W
35'R
2.0' R
(TYP)
148'R
105'R
120'R
PROP. SIGNAL POLE
STA.105+37.69
64.92' RT
S/W TAPER
STA.106+00.91
44.48' RT
BEGIN S/W
STA.105+25.60
70.55' RT
BEGIN C&G 8"X30" TP 2
STA.315+20.51
28.15' RT
END CONC. SIDE BARRIER TP 2-S (WALL 1)
STA.314+51.30
32.00' RT
END 2' CONC DITCH PAVING
STA.314+51.32
47.69' RT
REMOVE LANDSCAPE ISLANDS AND REPLACE WITH SOD
REMOVE LANDSCAPE ISLANDS AND REPLACE WITH SOD
EXIST R/W
EXIST R/W & ELA
ELA
FENCE
16'
+80
4' SHOULDER
US 78 WB EXIT RAMP CURVE #6
20'
+80
10' SHOULDER
37'
+18
26'
+94
102+00
103+00
104+00
105+00
106+00
107+00
315+00
316+00
418+00
420+00
MATCH LINE STA. 101+50.00 DRAWING No. 13-0002
MATCH LINE STA. 314+50.00 DRAWING No. 13-0012
MATCH LINE STA. 107+50.00 DRAWING No. 13-0004

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION PLAN
## US 78 AT MOUNTAIN IND. BLVD
## CITY OF TUCKER

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 13-0003

GPLN-CE 11/05/2020

MATCH LINE STA. 107+50.00 DRAWING No. 13-0003

MATCH LINE STA. 113+50.00 DRAWING No. 13-0005

MOUNTAIN INDUSTRIAL BLVD

HIRSCH DRIVE

HAMMERMILL ROAD

EXIST R/W

108+00

109+00

110+00

PI 110+99.44

111+00

112+00

113+00

PROP. SIGNAL POLE
STA.111+87.40
41.32' LT

PROP. SIGNAL POLE
STA.112+36.29
61.68' RT

CURVE #3

B-3 B-2 B-1 C-1 C-2

18" 18" 18" 18"

8' 24"

111+65.00
END TAPER

EXIST. MARTA BUS STOPS/SHELTERS
SHALL NOT BE DISTURBED

I-2

REMOVE LANDSCAPE ISLAND AND
REPLACE WITH SOD

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION PLAN
# US 78 AT MOUNTAIN IND. BLVD
# CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 13-0004 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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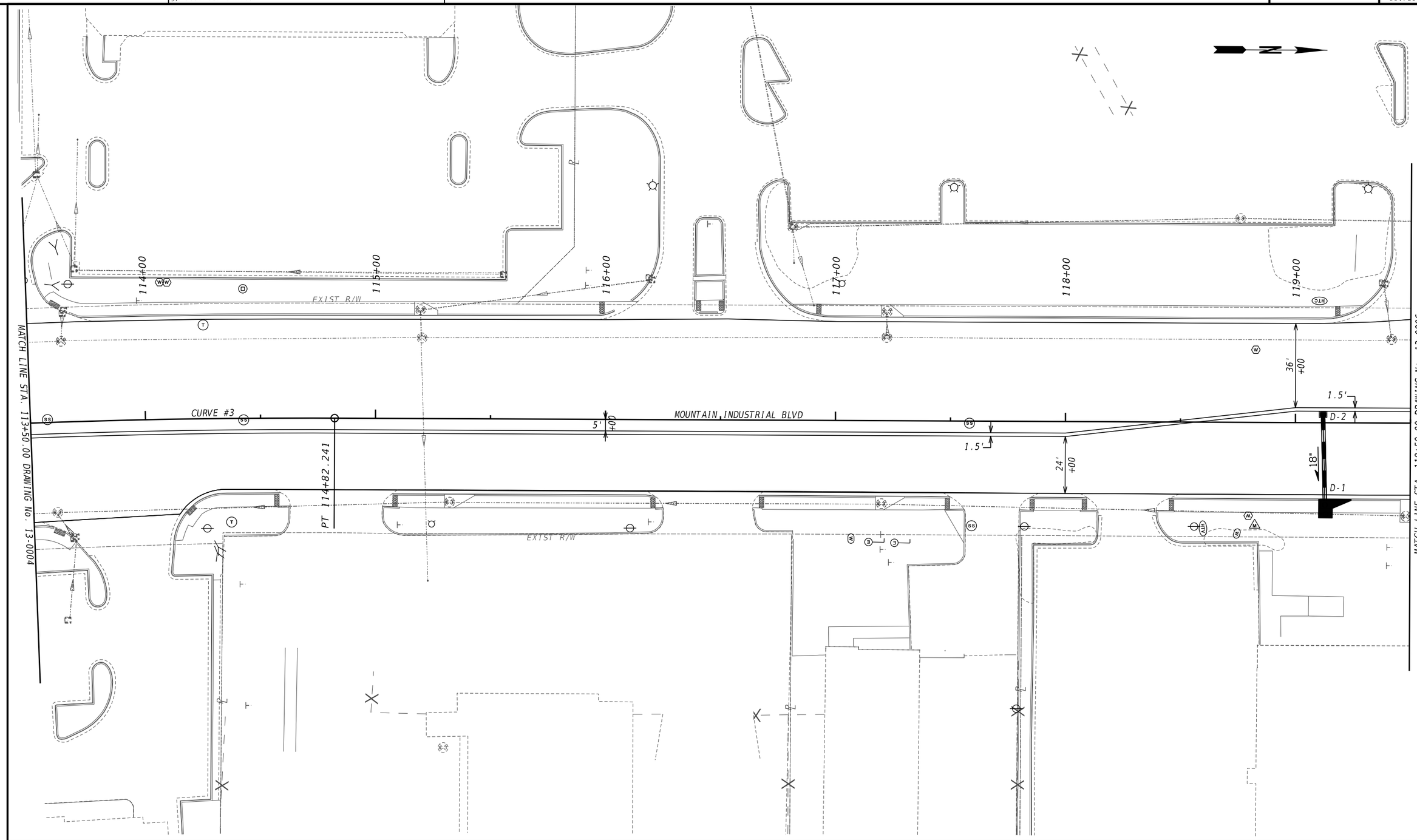
11/05/2020




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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2

SAWS REAL ESTATE
BUSINESS TRT

EXIST. MARTA BUS STOPS/SHELTERS
SHALL NOT BE DISTURBED

PROP. SIGNAL POLE
STA.125+06.30
45.62' LT

END S/W
TIE TO EXIST.
STA.125+01.61
38.36' LT

STA.124+04.00
106.00' LT

END C&G 8"X24" TP 2
STA.124+67.87
106.00' LT

STA.124+02.00
104.00' LT

REQD R/W

BEGIN C&G 8"X24" TP 2
STA.124+02.00
85.05' LT

STA.124+08.58
75.40' LT

BEGIN S/W
TIE TO EXIST.
STA.123+05.21
38.39' LT

EXIST R/W

120+00
121+00
122+00
123+00
124+00
125+00

150' R
50' R
5' S/W
18"
8'R

STA.124+94.12
38.95' LT

MODIFIED
WCR TP B

BEGIN C&G 8"X30" TP 2
STA.123+05.21
30.89' LT

END C&G 8"X30" TP 2
STA.125+02.10
30.75' LT

24'
+10
1.5'

NOO°03'10.4"E

END MILL & INLAY
STA.125+02.10

ELMDALE DRIVE

MOUNTAIN INDUSTRIAL BLVD

36'
+20

MATCH LINE STA. 119+50.00 DRAWING No. 13-0005

MATCH LINE STA. 125+50.00 DRAWING No. 13-0007

EXIST R/W

FENCE

HAMMERMILL ROAD

EXISTING ZAYO BZFO
(2) 1-1/4" HDPE DUCTS
(1) W/ 48CT FOC

ROGER MARTEN WAY

| | |
|---|---|
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| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
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| EXISTING LIMIT OF ACCESS & R/W | |
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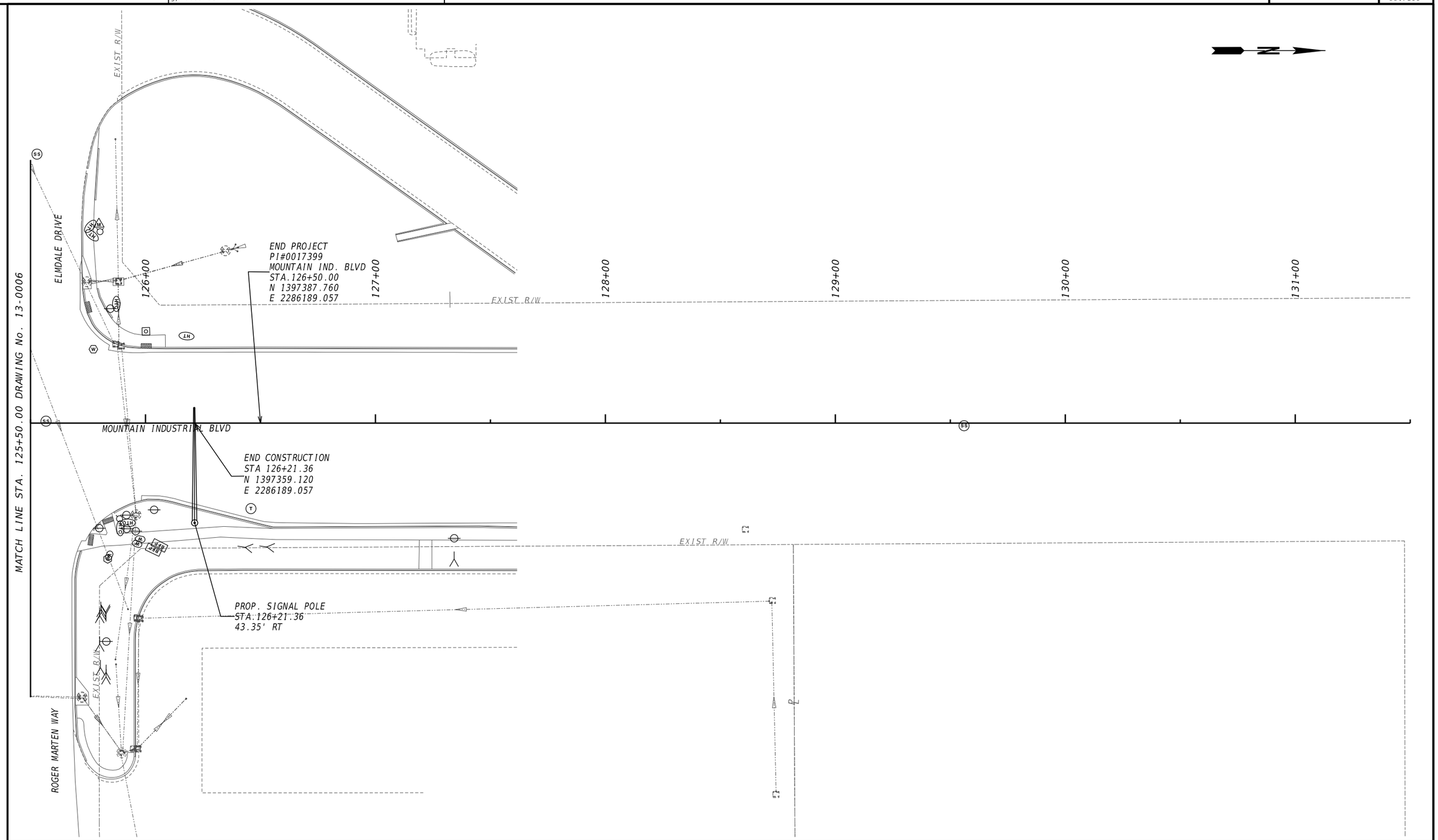


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REVISION DATES

# CONSTRUCTION PLAN
## US 78 AT MOUNTAIN IND. BLVD.
## CITY OF TUCKER

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IS 1A-25' STREAM BUFFER

PS 1

PS 1-25' STREAM BUFFER

N

LIMIT OF CONSTRUCTION
US 78 WESTBOUND
STA 397+50.00
N 1394941.411
E 2284182.075

POB 397+50.00

398+00

399+00

400+00

401+00

402+00

US 78 WESTBOUND

N88°10'59.4"E

200+00

201+00

LIMIT OF CONSTRUCTION
US 78 EB EXIT RAMP
STA 200+00.00
N 1394894.965
E 2284456.059

POB 200+00.00

US 78 EASTBOUND

S88°54'48.8"E US 78 EB EXIT RAMP

EXIST. GR

12' SHOULDER

25' STREAM BUFFER

PS 1

25' STREAM BUFFER

EXIST L/A @
EXIST L/A FENCE
TO REMAIN

MATCH LINE STA. 202+00.00 DRAWING No. 13-0009

BEGIN TP W GUARDRAIL
TIE TO EXIST.
GDOT STD 4390
STA.200+00.61
13.36' RT

SARR PKWY

GREER CIRCLE

EXIST R/W

| | |
|---|---|
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US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

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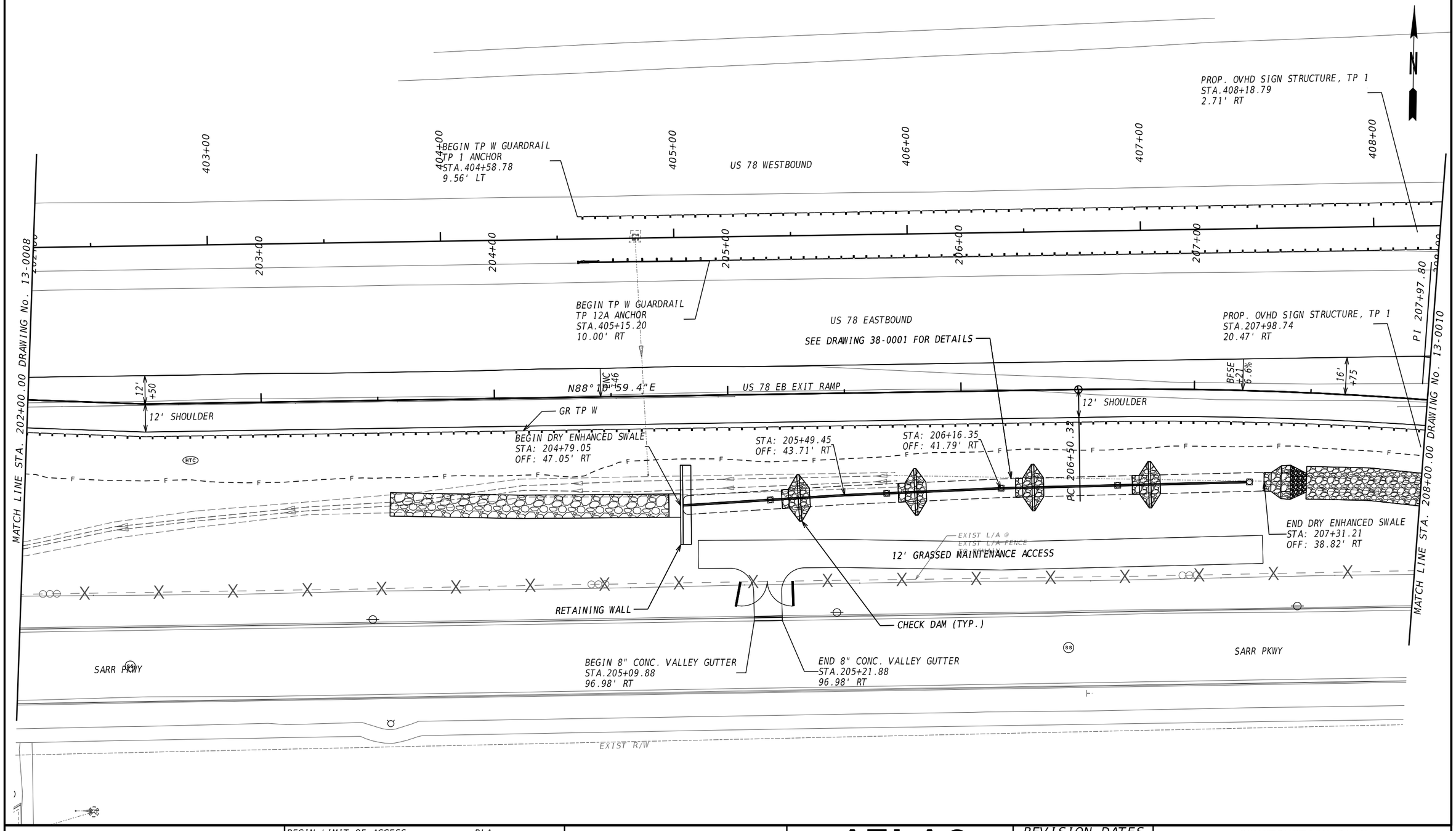


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11/05/2020

EXIST. OVHD SIGN STRUCTURE TO BE REMOVED STA.409+86.03 0.01' RT

EXIST. OVHD SIGN STRUCTURE TO BE REMOVED STA.409+81.30 0.06' LT

409+00

410+00

411+00

US 78 WESTBOUND

EXIST. GR

END TP W GUARDRAIL TP 12A ANCHOR STA.411+22.25 10.10' LT

N88°10'59.4"E

REMOVE EXIST. GUARDRAIL

END TP W GUARDRAIL TP 1 ANCHOR STA.411+78.79 10.34' RT

US 78 EASTBOUND

END TP W GUARDRAIL TP 1 ANCHOR STA.209+83.96 15.49' RT

EXIST. OVHD SIGN STRUCTURE TO BE REMOVED STA.209+61.55 12.45' LT

209+00

210+00

211+00

212+00

213+00

214+00

BEGIN DITCH STA.209+87.62 31.28' RT

12' SHOULDER

REMOVE EXIST. GUARDRAIL

EXIST. GR

EXIST. SIGN STRUCTURE TO BE REMOVED STA.209+56.60 11.68' LT

10' SHOULDER 5'R

4' SHOULDER

EFSE +174 6.6%

BEGIN CONCRETE RAMP

16' +56

RNC +21

FLAT +85

BNC +49

24' +20

US 78 EB EXIT RAMP

S81°36'05.1"E

MATCH LINE STA. 208+00.00 DRAWING No. 13-0009

SEE DRAWING 38-0001 FOR DETAILS

10' SHOULDER

REMOVE EXISTING L/A FENCE

10' SHOULDER

MATCH LINE STA. 214+00.00 DRAWING No. 13-0011

BEGIN C&G 8"X30" TP 2 STA.509+25.00 14.30' LT

EXIST L/A @ EXIST L/A FENCE TO REMAIN

TIE TO EXIST FENCE STA. 510+53.02 OFF: 31.91' LT

PT 209+44.50

30'

G-2

14' +71

14' +71

75'R

STA.510+83.20 16.13' LT

DW #1 +85

RECONST 1019B

SARR PKWY

STA.510+39.95 57.13' RT

SARR PKWY

PLACE L/A @ NEW FENCE

EXIST R/W

STA.510+47.91 68.06' RT

H-1

EXIST R/W

REQ'D R/W

4'R

OBLITERATE PVMT GRADE TO DRAIN AND GRASS

LIMIT OF CONSTRUCTION SARR PARKWAY STA 509+25.00 N 1394798.984 E 2285331.253

BEGIN C&G 8"X30" TP 2 STA.509+25.00 14.54' RT

50'R

STA.511+09.18 78.86' RT

50'R

END C&G 8"X30" TP 2 STA.511+48.02 43.77' RT

STA.511+48.95 58.43' RT

STA.510+57.50 96.77' RT

10'R

35'R

35'R

STA.511+46.30 62.38' RT

4'R

STA.511+21.04 86.82' RT

STA.511+17.04 89.48' RT

ETHIOPIAN EVANGELICAL CHURCH

END C&G 8"X30" TP 2 STA.510+36.07 101.50' RT

4'R

END C&G 8"X30" TP 2 STA.510+87.48 107.03' RT

BEGIN C&G 8"X30" TP 2 STA.511+00.94 89.78' RT

| | |
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REVISION DATES

CONSTRUCTION PLAN
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

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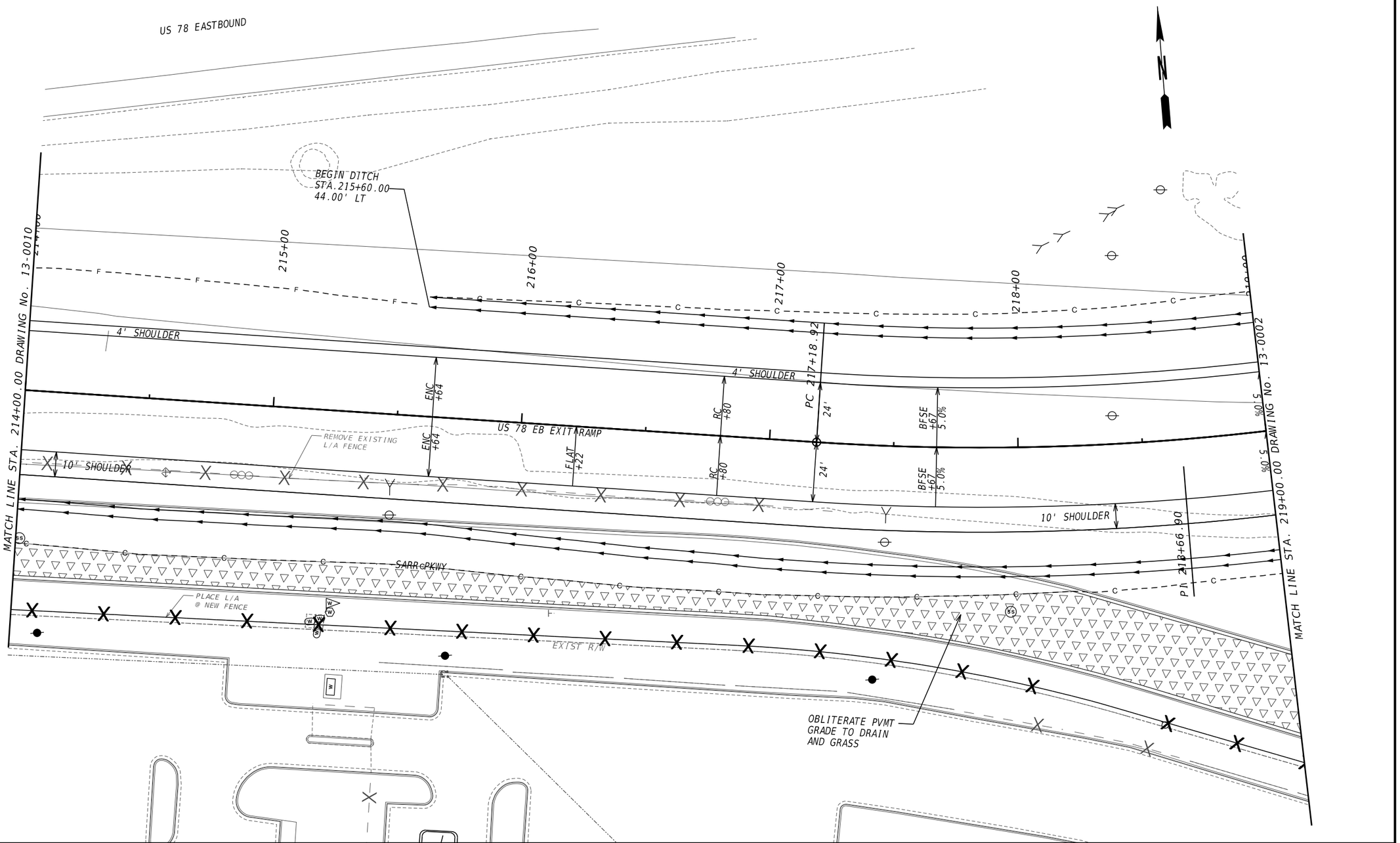


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US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

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END 4' CONC. DITCH PAVING
BEGIN 2' CONC. DITCH PAVING
STA.311+90.00
35.67' RT

BEGIN CONC. SIDE BARRIER, TP 2-S (WALL 1)
END TP T GUARDRAIL
TIE TO SIDE BARRIER
STA.311+48.95
31.32' RT

END TP W GUARDRAIL
BEGIN TP T GUARDRAIL
STA.311+28.30
29.48' RT

BEGIN 4' CONCRETE DITCH PAVING
TIE TO EXIST. DITCH
STA.310+46.60
59.43' RT

STA.314+27.15
35.69' RT

EXIST L/A FENCE

314+00 313+00 312+00 311+00 310+00 309+00

PI 314+32.46

12' SHOULDER

BFSE/ EFSE +34 5.0%

20' +86

RC +41

12' +57

20' +57

PT 310+97.48

10' SHOULDER

EFSE +74 2.4%

16' +58

10' +94

BEGIN CONCRETE RAMP

BEGIN DITCH
STA.309+35.00
32.57' LT

N77°10'51.7"W

US 78 WB EXIT RAMP

16' +86

16' +57

4' SHOULDER

MATCH LINE STA. 314+50.00 DRAWING No. 13-0003

PC 312+86.13

24"

F-1

241

F-2

PI 309+07.16

MATCH LINE STA. 308+50.00 DRAWING No. 13-0013

BEGIN TP W GUARDRAIL
TP 1 ANCHOR
STA.425+29.51
10.90' LT

STA.425+95.84
9.90' LT

426+00 425+00 424+00 423+00 422+00

US 78 WESTBOUND

US 78 EASTBOUND

EXIST. GR

PC 425+72.18

BEGIN TP W GUARDRAIL
TP 12A ANCHOR
STA.425+85.78
12.37' RT

HTC

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
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| EASEMENT FOR CONSTR OF SLOPES | |
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| | |
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## US 78 AT MOUNTAIN IND. BLVD.
## CITY OF TUCKER

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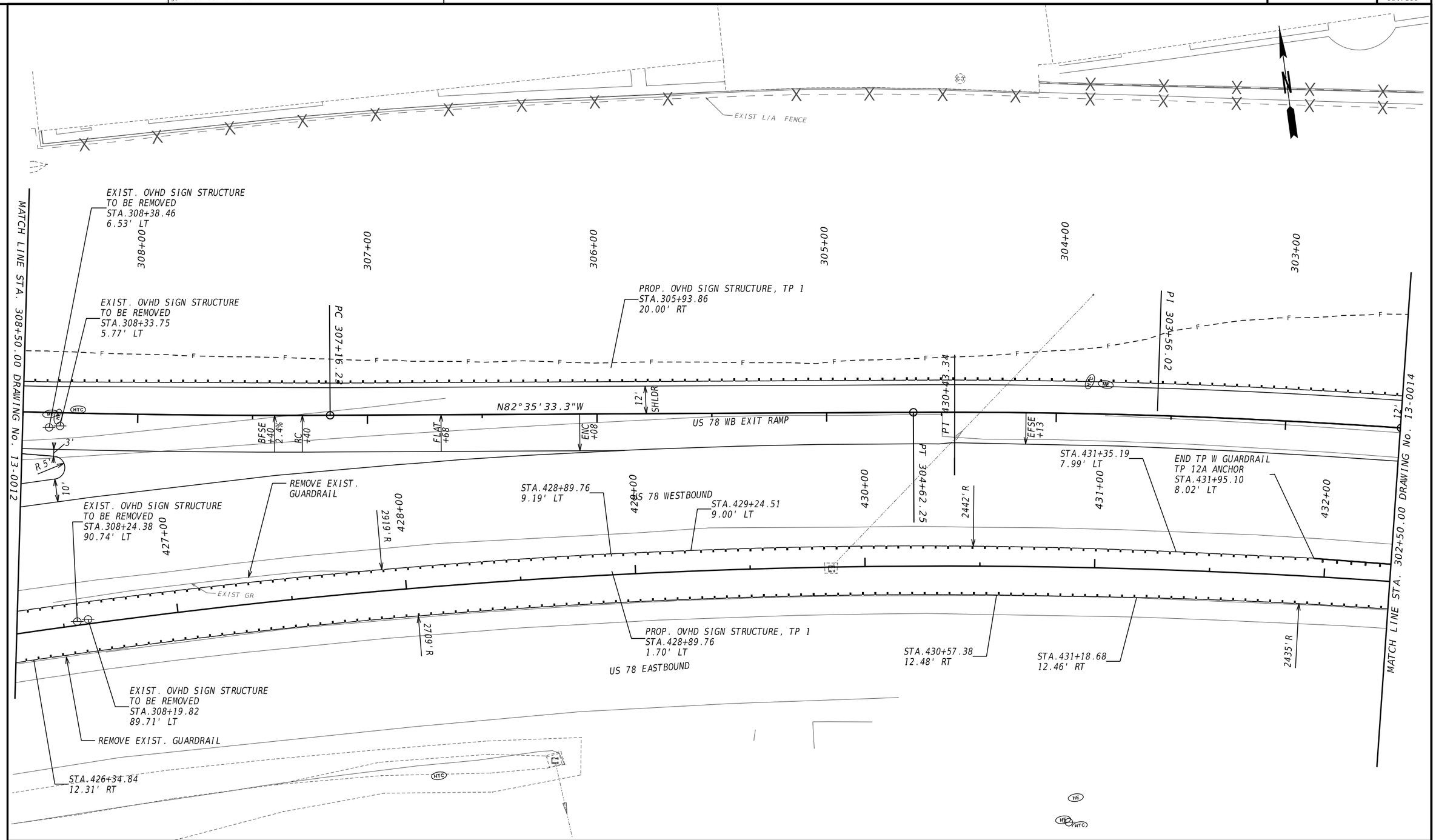


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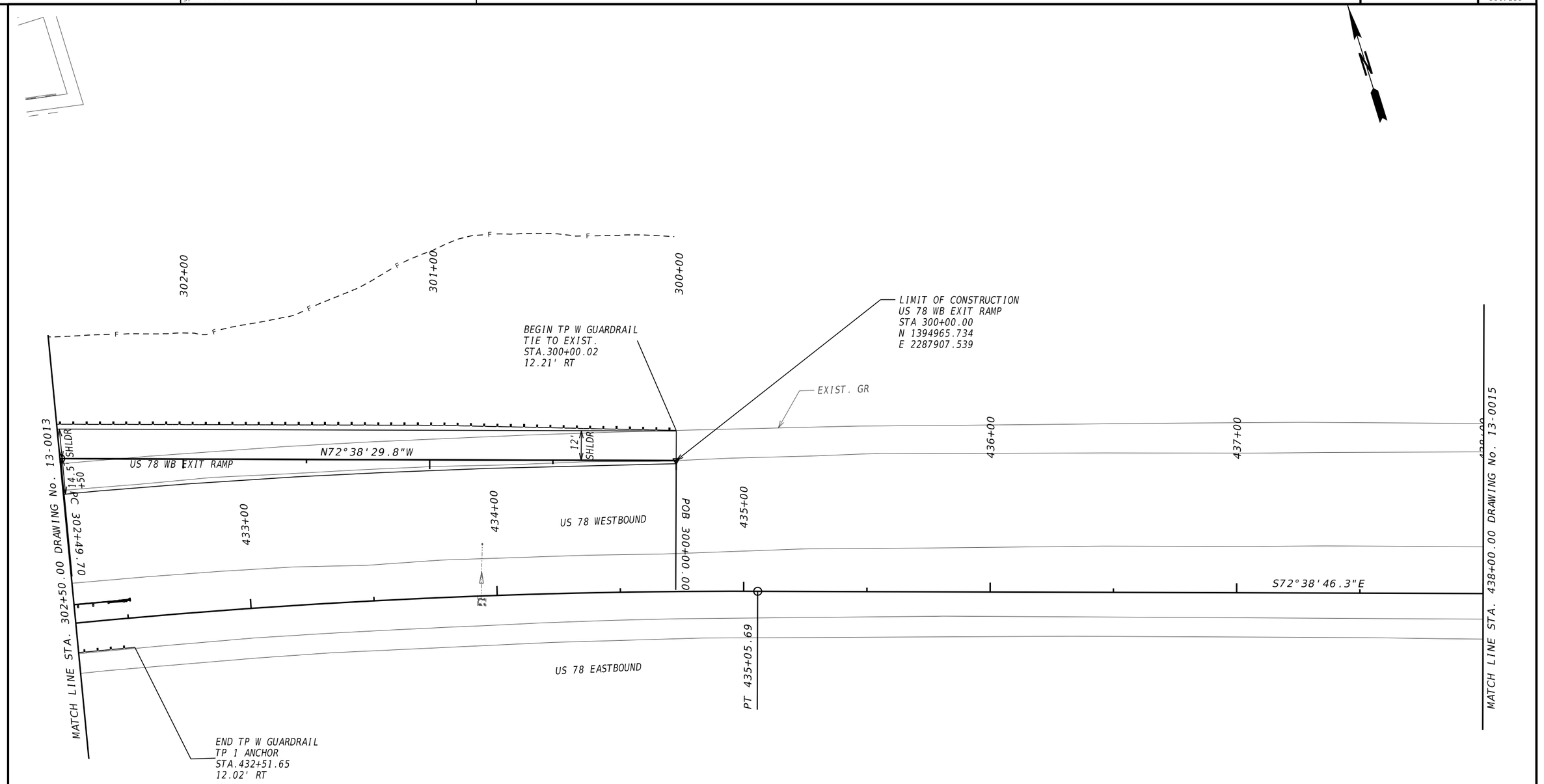


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
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EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
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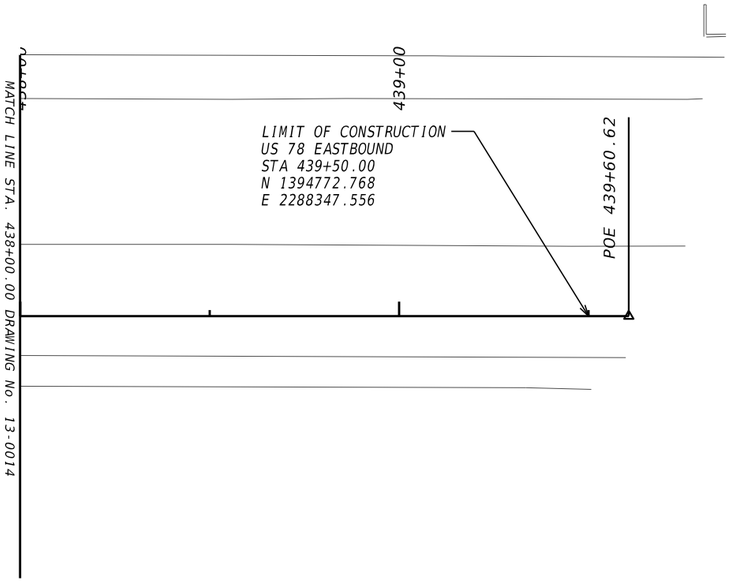


PROPERTY AND EXISTING R/W LINE
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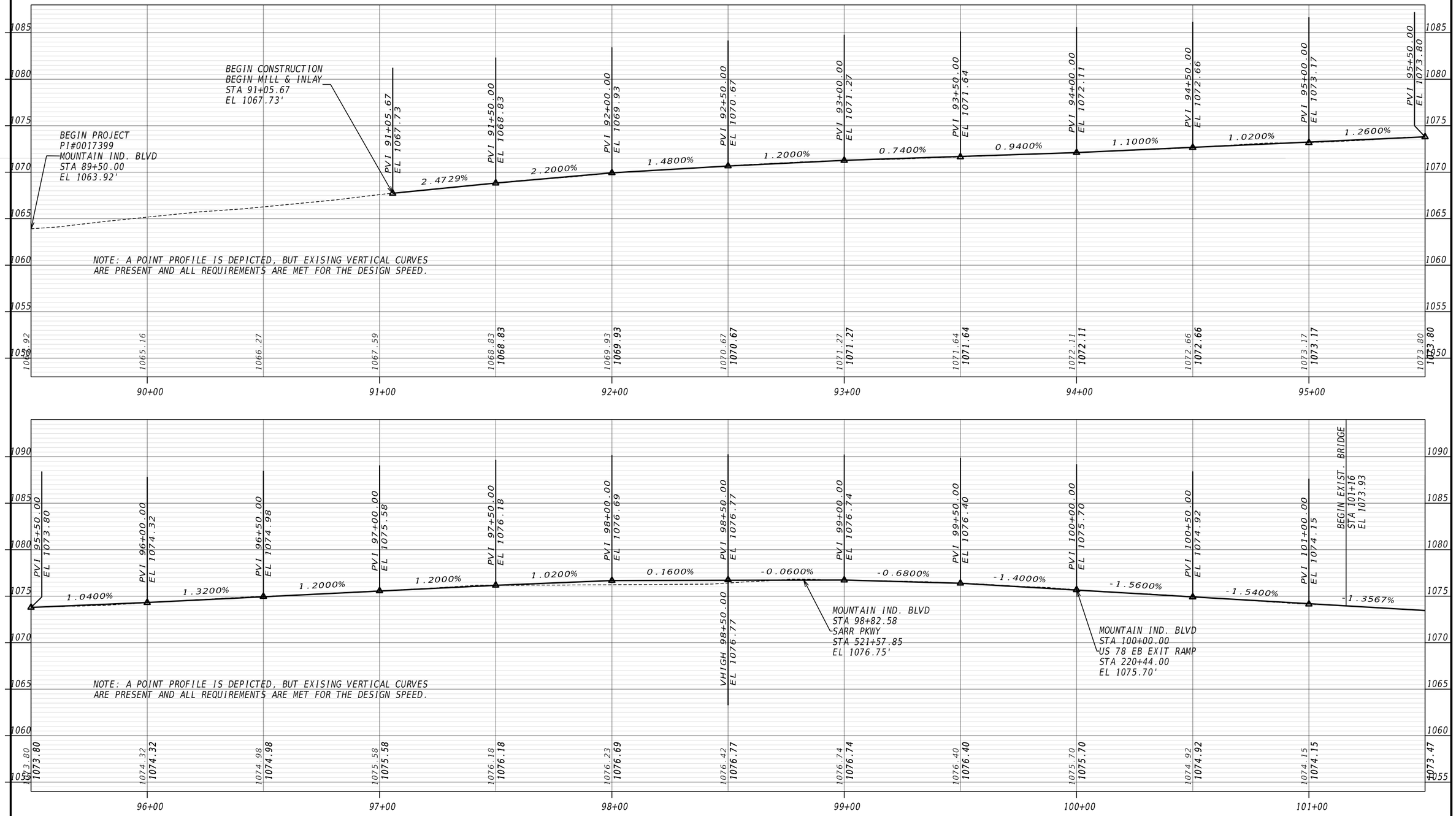


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SCALE = 1"=20' VERTICAL
SCALE = 1"=100' HORIZONTAL

REVISION DATES

# MAINLINE PROFILE
# MOUNTAIN INDUSTRIAL BLVD
# CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 15-0001 |
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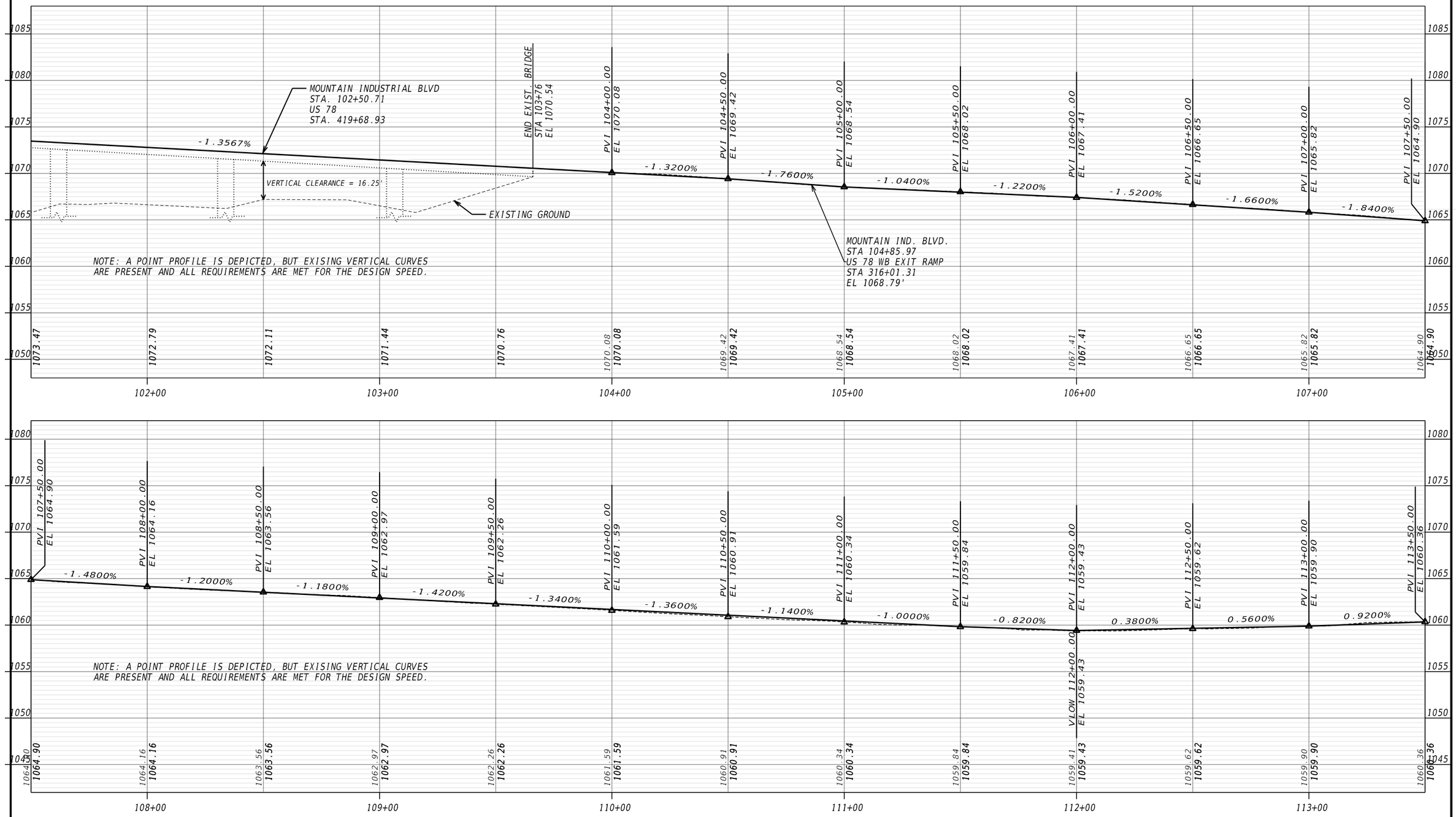


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SCALE = 1"=20' VERTICAL
SCALE = 1"=100' HORIZONTAL

REVISION DATES

# MAINLINE PROFILE
# MOUNTAIN INDUSTRIAL BLVD
# CITY OF TUCKER

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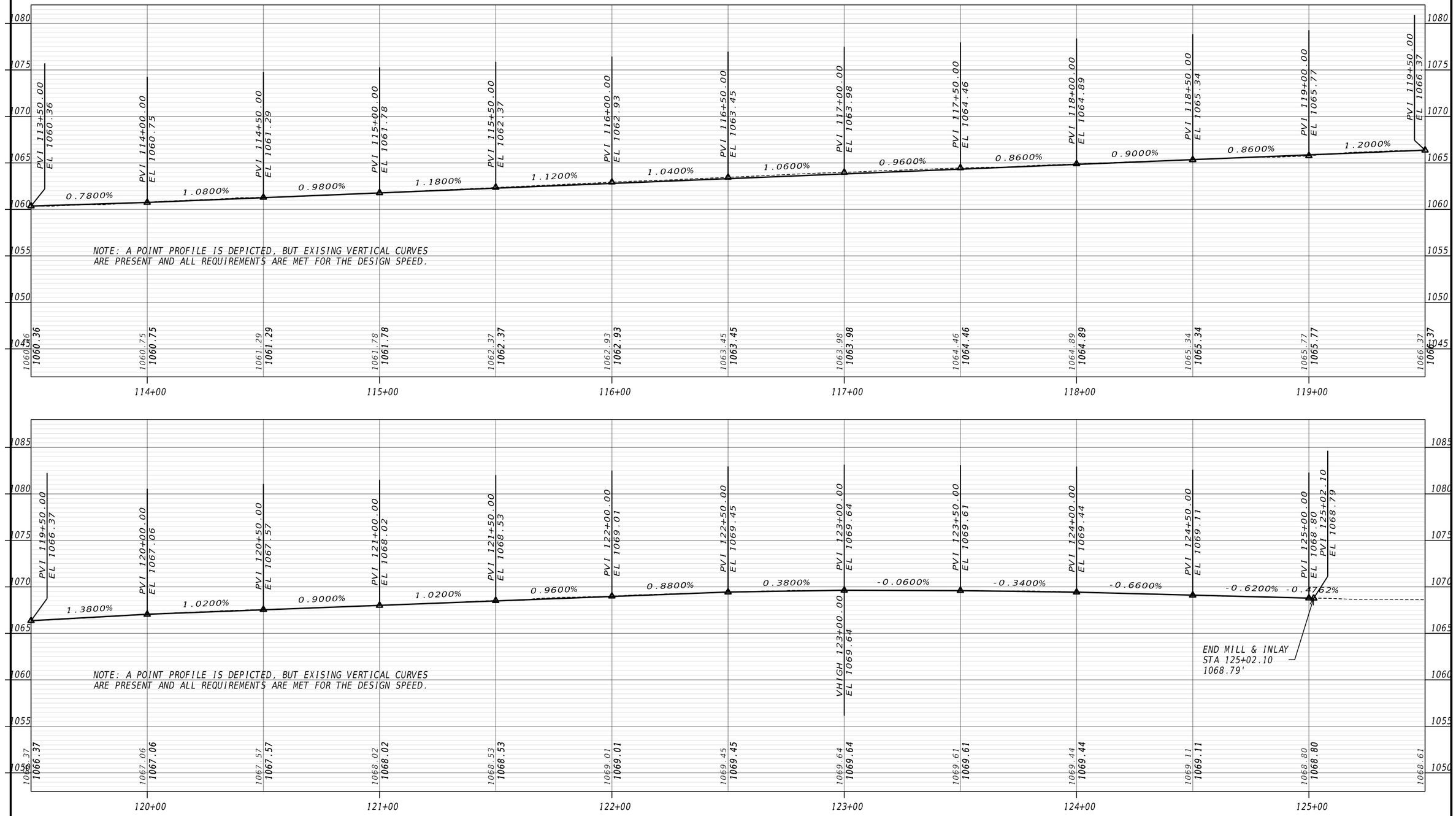
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 15-0002 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020




ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE = 1"=20' VERTICAL
SCALE = 1"=100' HORIZONTAL

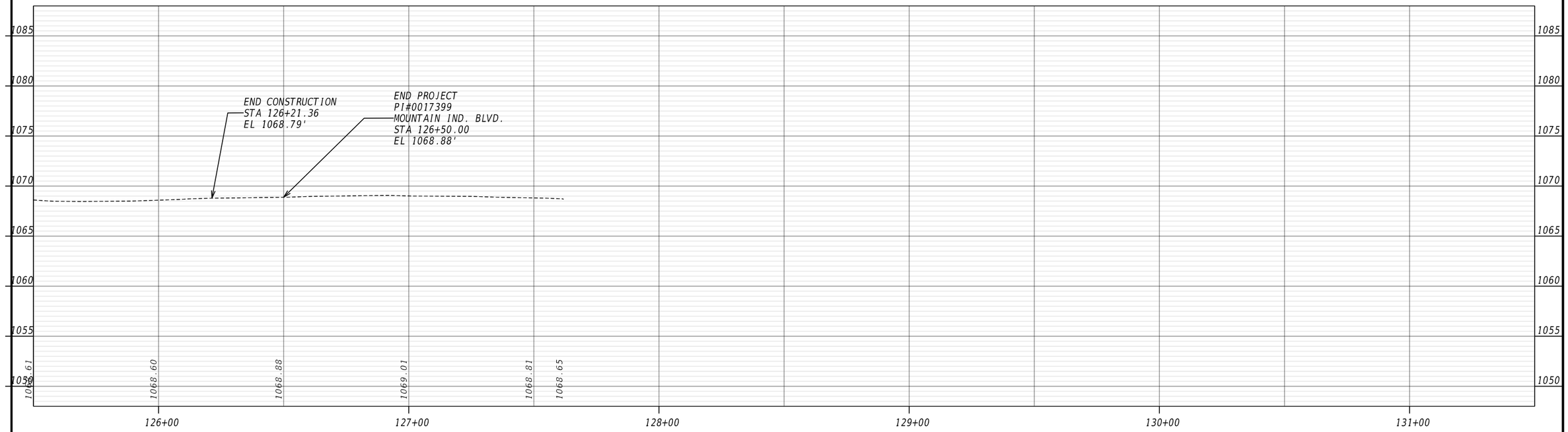
REVISION DATES

# MAINLINE PROFILE
# MOUNTAIN INDUSTRIAL BLVD
# CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 15-0003 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

| 1/16/2026 | 1:27:17 PM | GPLOT-ORD | 0017399_15.dgn | | P.I. No. |
|---|---|---|---|---|---|
| cathy.wong | | gplotborder-ORD.tbl | | | 0017399 |





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2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

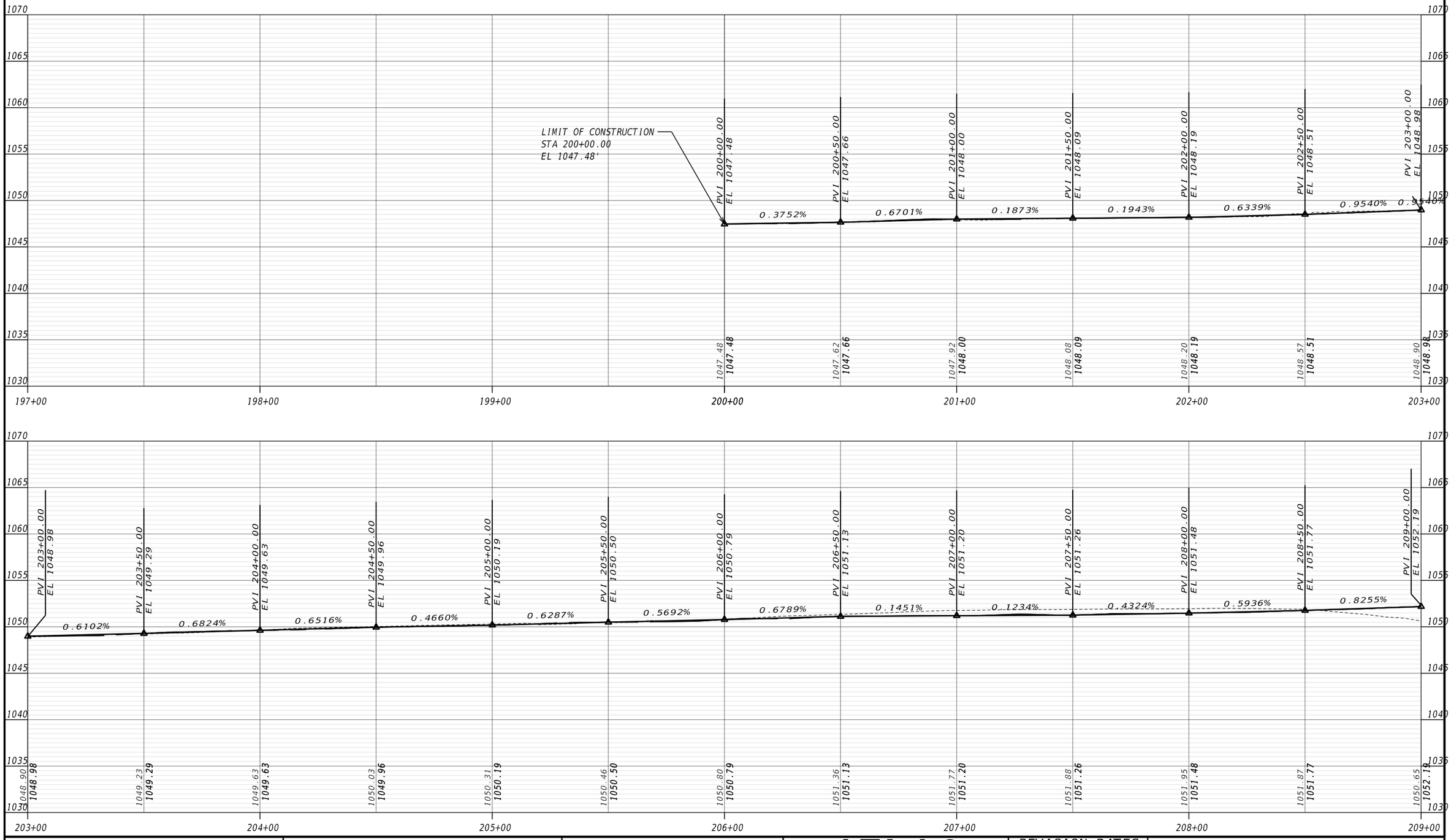

SCALE = 1"=20' VERTICAL
SCALE = 1"=100' HORIZONTAL

REVISION DATES

MAINLINE PROFILE
MOUNTAIN INDUSTRIAL BLVD
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 15-0004 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

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VERTICAL 1" = 10'
HORIZONTAL 1" = 40'

REVISION DATES

CROSSROAD PROFILE
US 78 EASTBOUND EXIT RAMP
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 16-0001 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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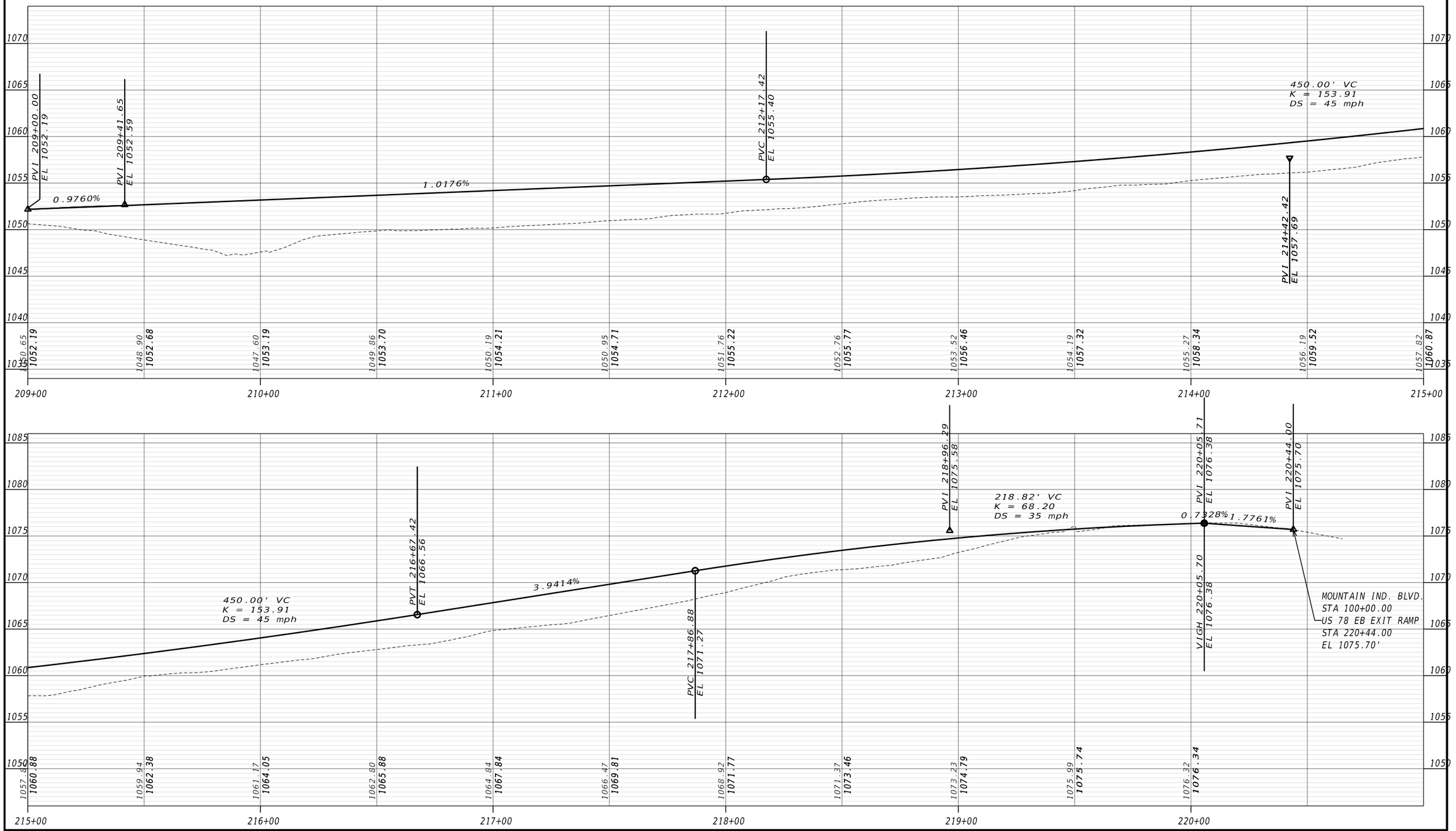
11/05/2020

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VERTICAL 1" = 10' HORIZONTAL 1" = 40'

REVISION DATES

# CROSSROAD PROFILE
# US 78 EASTBOUND EXIT RAMP
# CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 16-0002 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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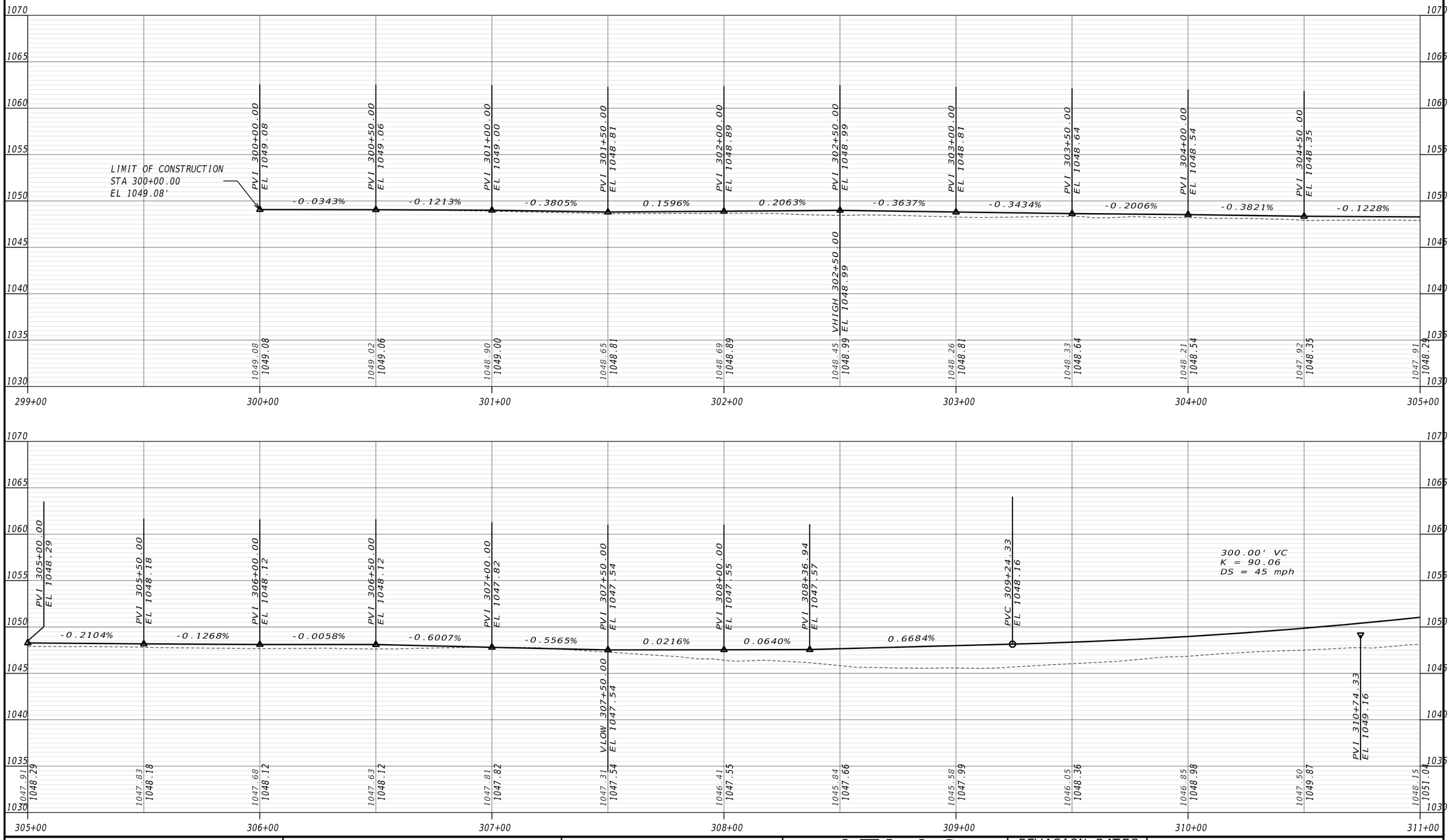


| | | | |
|---|---|---|---|
| | | ATLAS<br>2450 Commerce Avenue<br>Suite 100<br>Duluth, Georgia 30096<br>770.263.5945 | REVISION DATES |
| | | VERTICAL 1" = 10' HORIZONTAL 1" = 40' | CROSSROAD PROFILE<br>US 78 WESTBOUND EXIT RAMP<br>CITY OF TUCKER |
| | | | CHECKED: DATE:<br>BACKCHECKED: DATE:<br>CORRECTED: DATE:<br>VERIFIED: DATE:<br>DRAWING No. 16-0003 |

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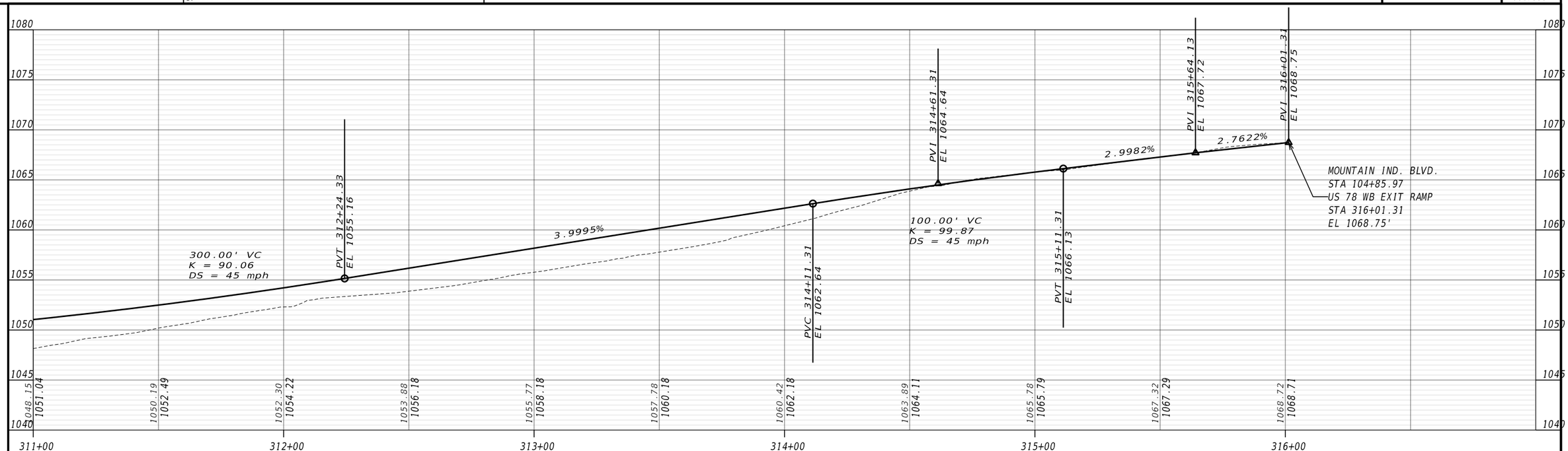


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VERTICAL 1" = 10'
HORIZONTAL 1" = 40'

REVISION DATES

CROSSROAD PROFILE
US 78 WESTBOUND EXIT RAMP
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 16-0004 |
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| VERIFIED: | | DATE: | | |

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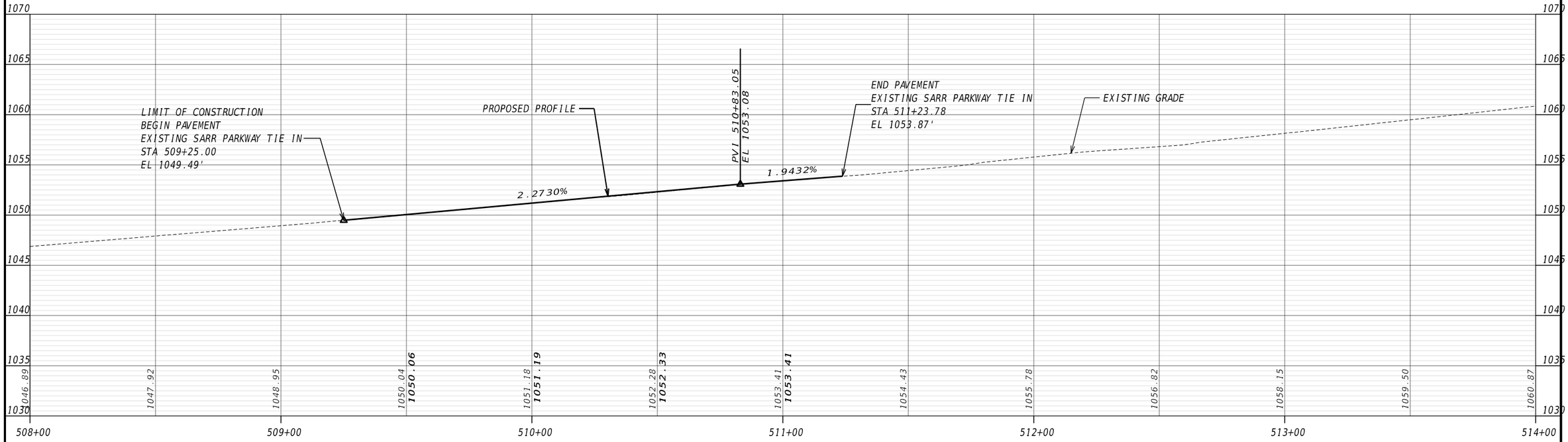


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VERTICAL 1" = 10'
HORIZONTAL 1" = 40'

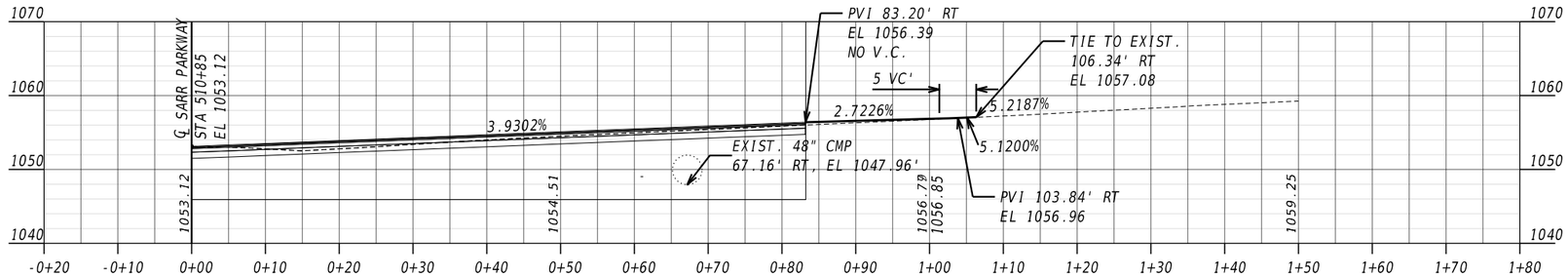
REVISION DATES

CROSSROAD PROFILE
SARR PARKWAY
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 16-0005 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

DRIVEWAY #1
510+85 RT
COMM./ASPH




ATLAS
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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

DRIVEWAY PROFILES
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 17-0001 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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11/05/2020

EXISTING PEDESTRAIN ACCOMMODATIONS SHOULD BE MAINTAINED THROUGH THE WORK ZONE, OR, IF CLOSED, APPRORIATELY DETOURED/DIVERTED BASED ON GDOT STDs/DETs, AND THE MUTCD. BUT TRANSIT FACILITTIES OPEN AT ALL TIMES.

STAGE 1A
1. MAINTAIN TRAFFIC ON EXISTING SARR PARKWAY AND CONSTRUCT PART OF PROPOSED CUL-DE-SAC AS SHOWN ON DRAWING NO. 19-0001.
2. CONSTRUCT TEMPORARY PAVEMENT ALONG EXISTING WB EXIT RAMP FOR STAGE 1B.

STAGE 1B
1. RESTRIPE EXISTING EB EXIT RAMP PAVEMENT, INSTALL SIGNAL POLES AS SHOWN, AND KEEP TRAFFIC ON EXISTING EB RAMP.
2. MAINTIAN THREE TRAVEL LANES ON US 78 AND CONSTRUCT PROPOSED EB EXIT RAMP WIDENING AND SHOULDER AS SHOWN. REFER TO SP 150.6 FOR TEMPORARY LANE CLOSURE ON US 78. CONSTRUCT PERMANENT PAVEMENT, RIGHT SHOULDER AND TEMPORARY DITCH AS SHOWN ON THE LEFT. JACK AND BORE TO INSTALL TEMPORARY 18" PIPE UNDER EXISTING RAMP. INSTALL PROPOSED OVERHEAD SIGN STRUCTURES TP 1 AND GUARDRAIL ALONG US 78 AS SHOWN.
3. MAINTIAN THREE TRAVEL LANES ON US 78 AND CONSTRUCT PROPOSED WB EXIT RAMP WIDENING AND SHOULDER AS SHOWN. REFER TO SP 150.6 FOR TEMPORARY LANE CLOSURE ON US 78. REFER TO SP 150.6 FOR TEMPORARY LANE CLOSURE ON US 78. CONSTRUCT PERMANENT PAVEMENT, RIGHT SHOULDER AND TEMPORARY DITCH AS SHOWN ON THE LEFT. INSTALL TEMPORARY INLET ON EXISTING 24" PIPE AT THE LOW POINT OF TEMPORARY DITCH. INSTALL PROPOSED OVERHEAD SIGN STRUCTURES TP 1 AND GUARDRAIL ALONG US 78 AS SHOWN.
4. CONSTRUCT PROPOSED MEDIAN ON MOUNTAIN INDUSTRIAL BLVD BY CLOSING THE MIDDLE TURN LANE AS SHOWN. INSTALL PROPOSED DRAINAGE SYSTEMS A, B AND C APPLYING OPEN CUT, WHERE PROPOSED STRUCTURES UNDER TRAFFIC USING FLAGGER MAN AND KEEPING ONE TRAVEL LANE OPEN TO INSTALL THE STRUCTURE.
5. CONSTRUCT PROPOSED CURB AND GUTTER AND SIDEWALKS ALONG MOUNTAIN INDUSTRIAL BLVD AS SHOWN. ONE SIDE OF EXISTING SIDEWALK ALONG MOUNTAIN INDUSTRIAL BLVD TO REMAIN OPEN AT ALL TIME DURING CONSTRUCTION.
6. CONSTRUCT U-TURN AREA AND DRAINAGE SYSTEM E NEXT TO ELMDALE DRIVE ON MOUNTAIN INDUSTRIAL BLVD AS SHOWN.
7. REMOVE REMAINING EXISTING PAVEMENT ON SARR PARKWAY AND GRADE TO DRAIN AND INSTALL GRASS.
8. CONSTRUCT THE REMAINING OF THE CUL-DE-SAC ON SARR PARKWAY AS SHOWN.

STAGE 2
1. SHIFT US 78 EB EXIT RAMP TO THE CONSTRUCTED PERMANENT PAVEMENT ON STAGE 1B AND CONSTRUCT REMAINING PERMENENT PAVEMENT AND DRAINAGE SYSTEM F AS SHOWN. REFER TO 23-SERIES FINAL CROSS-SECTION FOR INFORMATION.
2. SHIFT US 78 WB EXIT RAMP TO THE CONSTRUCTED PERMANENT PAVEMENT ON STAGE 1B AND CONSTRUCT REMAINING PERMENENT PAVEMENT AS SHOWN. REFER TO 23-SERIES FINAL CROSS-SECTION FOR INFORMATION.
3. INSTALL THE REMAINING CURB AND GUTTER, SIDEWALK AND MEDIAN ON WB EXIT RAMP. ONE SIDE OF EXISTING SIDEWALK ALONG MOUNTAIN INDUSTRIAL BLVD TO REMAIN OPEN AT ALL TIME DURING CONSTRUCTION.
4. INSTALL PROPOSED SIGNAL SYSTEM AS SHOWN ON 27-SERIES.
5. MILL AND INLAY EXISTING PAVEMENT AND INSTALL DRAINAGE SYSTEM D ON MOUNTAIN INDUSTRIAL BLVD AS SHOWN.
6. SHIFT TRAFFIC TO NEW EB EXIT RAMP. INSTALL THE REMAINING CURB AND GUTTER FROM STA 219+30 TO STA 219+80 RT.

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REVISION DATES

CONSTRUCTION STAGING
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0000 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

PI 207+97.80
208+00
209+00
210+00
211+00
212+00
213+00

509+00
510+00
511+00
512+00
513+00

PT 209+44.50
PI 511+05.38
PT 511+88.59
PC 511+32.17

S81°36'05.1"E

BEGIN STAGE 1A
CONSTRUCTION
STA 509+80.00

END STAGE 1A
CONSTRUCTION
STA 511+50.00

EXIST L/A @
EXIST L/A FENCE
TO REMAIN

REMOVE EXISTING
L/A FENCE

14'
15'

EXIST R/W
REQ'D R/W

LIMIT OF CONSTRUCTION
SARR PARKWAY
STA 509+25.00
N 1394798.984
E 2285331.253

ETHIOPIAN
EVANGELICAL
CHURCH

LEGEND

- OPEN LANES OF TRAFFIC
- PERMANENT FULL DEPTH CONSTRUCTION
- PERMANENT MILL/OVERLAY CONSTRUCTION
- ORANGE BARRIER FENCE
- RAISED MEDIAN CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT
- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION STAGING PLAN
SARR PARKWAY
STAGE 1A

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0001 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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11/05/2020

418+00
423+00
429+00
102+00
104+00
105+00
106+00
107+00
420+00
316+00
315+00
FENCE
EXIST R/W & L/A
ELA
CURVE #2
CURVE #3
CURVE #6
POE 316+01.31
PT 315+78.68
104+62.244
S86°03'26.0"W
N13°56'34.0"W
PC 107+12.789
EXIST R/W
EXIST R/W & L/A
12'
13'
11'
15'
MATCH LINE STA. 314+50.00 DRAWING No. 19-0003

LEGEND

- OPEN LANES OF TRAFFIC
- PERMANENT FULL DEPTH CONSTRUCTION
- PERMANENT MILL/OVERLAY CONSTRUCTION
- ORANGE BARRIER FENCE
- RAISED MEDIAN CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT
- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
# MOUNTAIN INDUSTRIAL BLVD
# STAGE 1A

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0002 |
| CORRECTED: | | DATE: | | |
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GPLN-CE
11/05/2020

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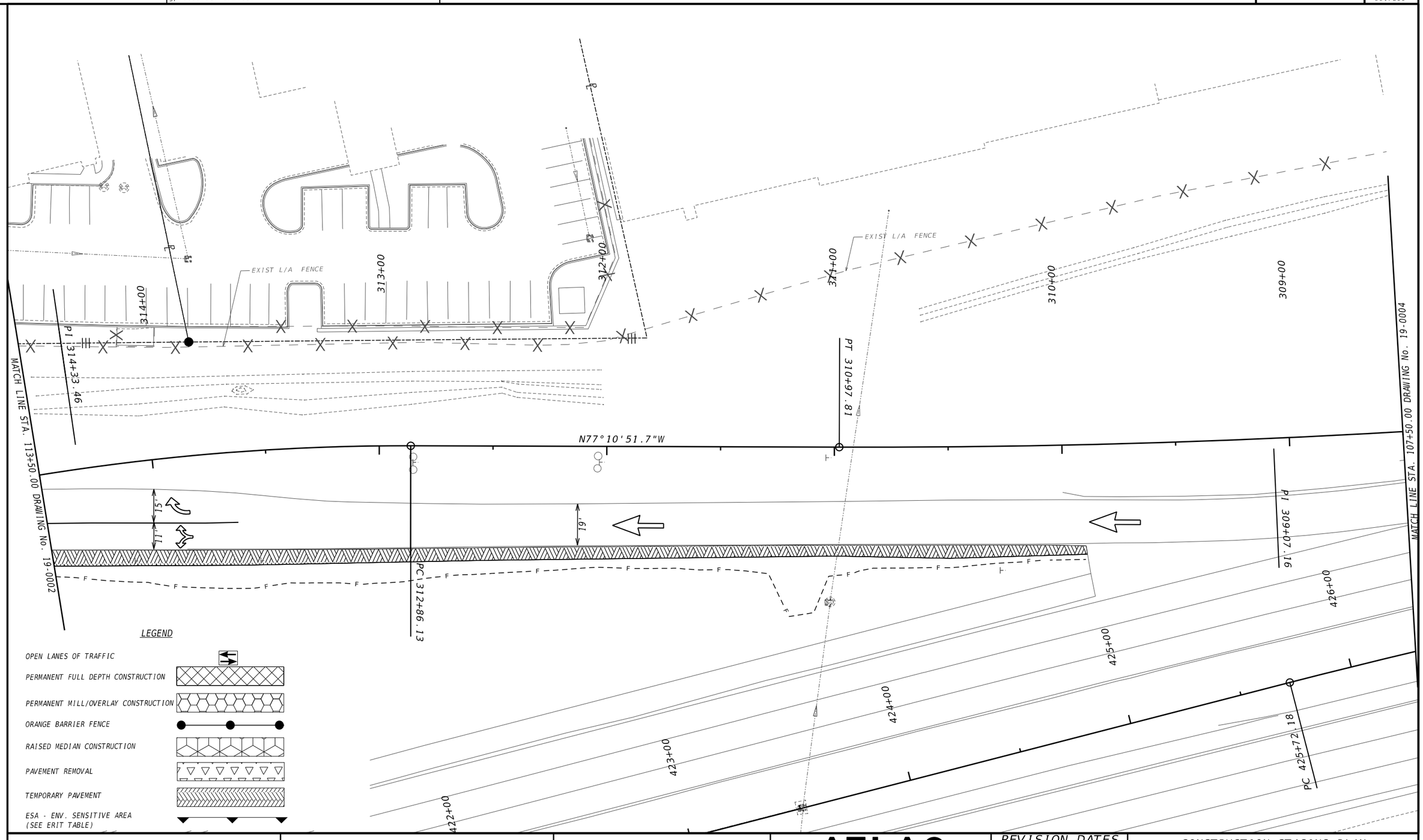


LEGEND

- OPEN LANES OF TRAFFIC
- PERMANENT FULL DEPTH CONSTRUCTION
- PERMANENT MILL/OVERLAY CONSTRUCTION
- ORANGE BARRIER FENCE
- RAISED MEDIAN CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT
- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)


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SCALE IN FEET

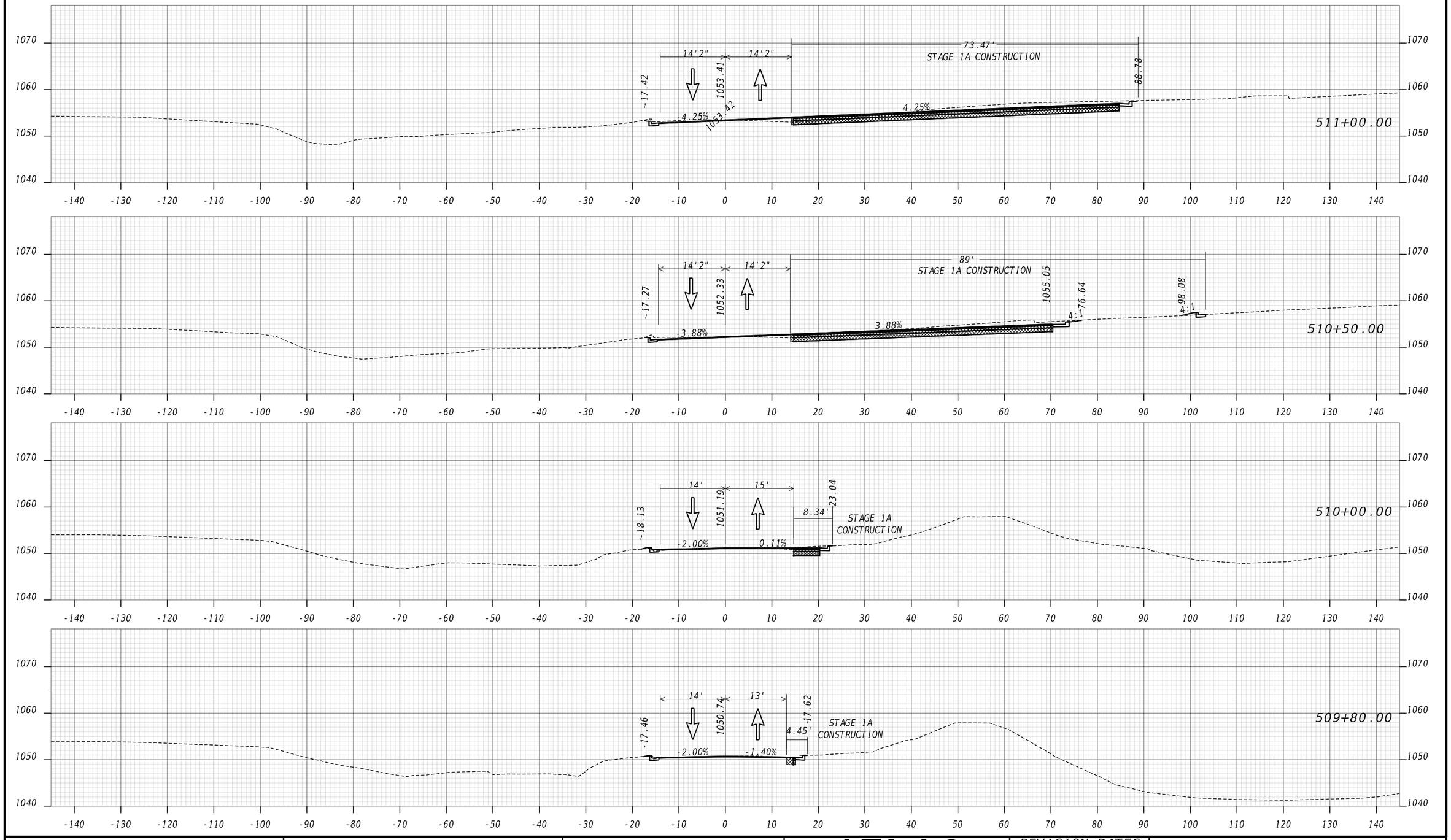
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 WESTBOUND
# STAGE 1A

| CHECKED: | | DATE: | | DRAWING No. |
|---|---|---|---|---|
| BACKCHECKED: | | DATE: | | 19-0003 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020




ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

VERTICAL 1" = 20' HORIZONTAL 1" = 20'

REVISION DATES

# CONSTRUCTION STAGING CROSS SECTIONS
## SARR PKWY
## STAGE 1A

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0004 |
| CORRECTED: | | DATE: | | |
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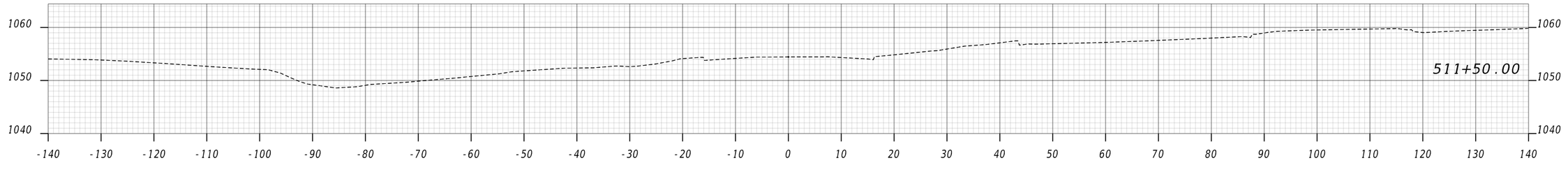


ATLAS
2450 Commerce Avenue
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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# CONSTRUCTION STAGING CROSS SECTIONS
## SARR PKWY
## STAGE 1A

| | | | |
|---|---|---|---|
| CHECKED: | | DATE: | |
| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No.
19-0005

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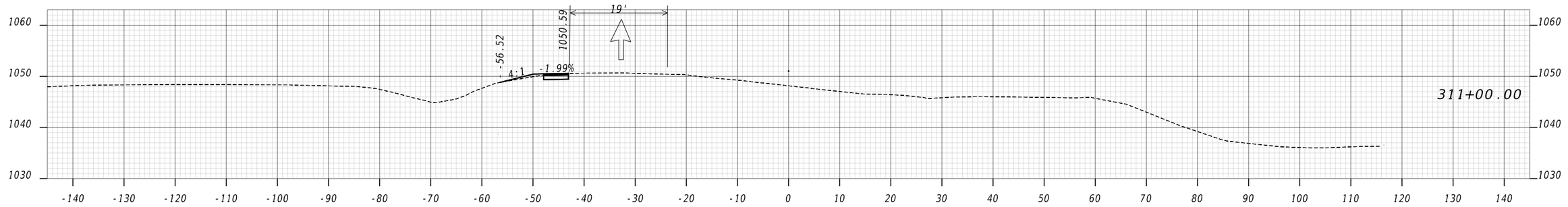
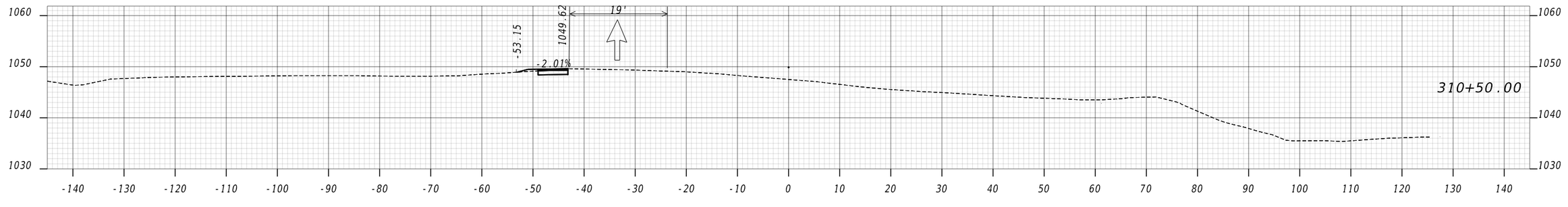
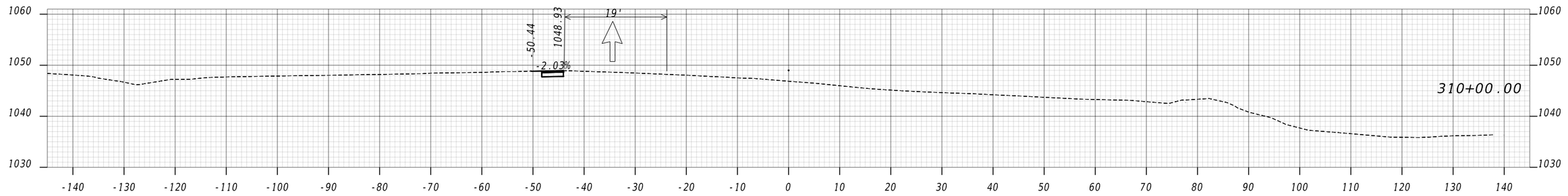
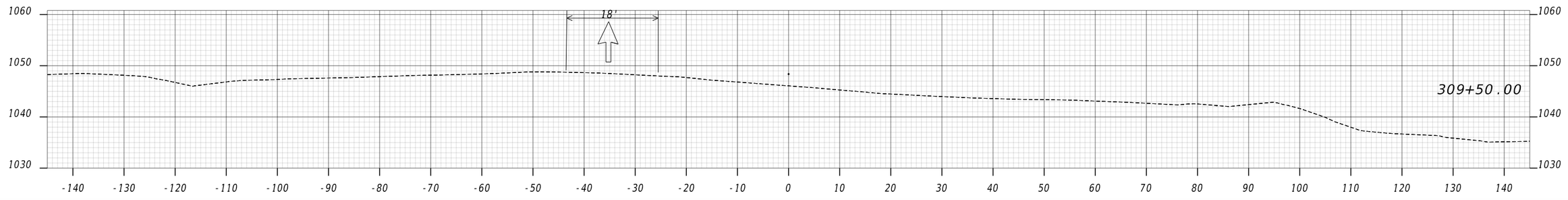
11/05/2020

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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

CONSTRUCTION STAGING CROSS SECTIONS
US 78 WESTBOUND
STAGE 1A

| | | | |
|---|---|---|---|
| CHECKED: | | DATE: | |
| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No.
19-0006

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ATLAS
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Suite 100
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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# CONSTRUCTION STAGING CROSS SECTIONS
## US 78 WESTBOUND
## STAGE 1A

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0007 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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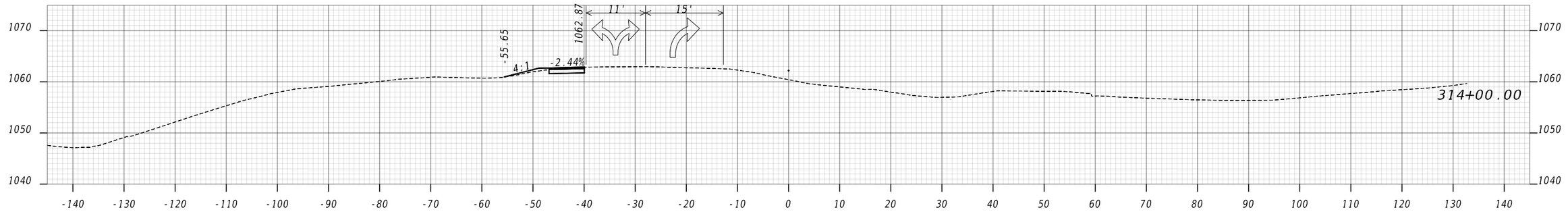
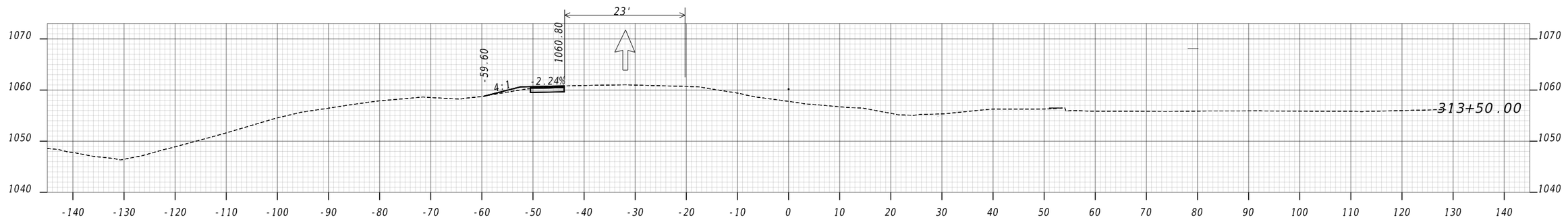
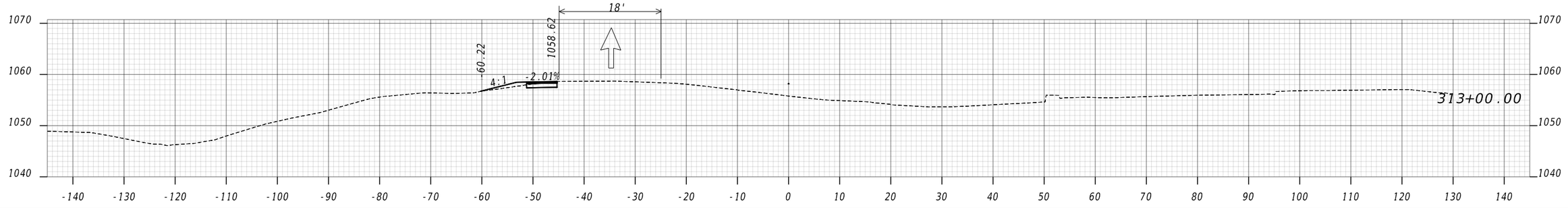
11/05/2020

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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# CONSTRUCTION STAGING CROSS SECTIONS
# US 78 WESTBOUND
# STAGE 1A

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0008 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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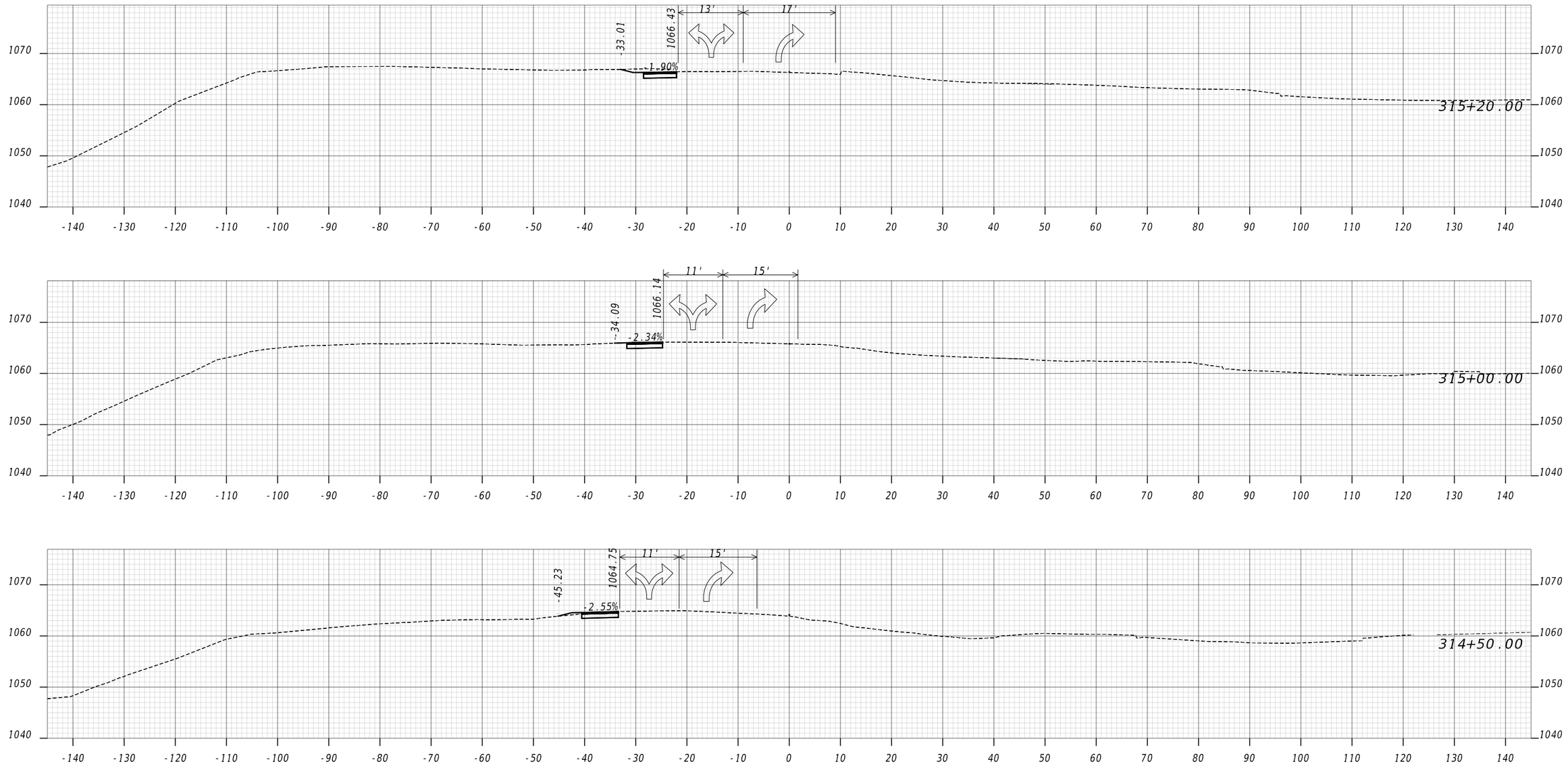
11/05/2020




ATLAS
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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# CONSTRUCTION STAGING CROSS SECTIONS
## US 78 WESTBOUND
## STAGE 1A

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0009 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

BEGIN PROJECT
PI#0017399
MOUNTAIN IND. BLVD
STA 89+50.00
N 1393903.142
E 2287063.196

BEGIN CONSTRUCTION
STA.90+41.19
N 1393974.651
E 2287006.615

GREER CIRCLE

MOUNTAIN INDUSTRIAL BLVD

CURVE #2

A-2

A-1

90+00 91+00 92+00 93+00 94+00 95+00

12' 12' 11' 11' 16'

18' 30'

MATCH LINE STA. 95+50.00 DRAWING No. 19-0011

LEGEND

OPEN LANES OF TRAFFIC

PERMANENT FULL DEPTH CONSTRUCTION

PERMANENT MILL/OVERLAY CONSTRUCTION

ORANGE BARRIER FENCE

RAISED MEDIAN CONSTRUCTION

PAVEMENT REMOVAL

TEMPORARY PAVEMENT

ESA - ENV. SENSITIVE AREA
(SEE ERIT TABLE)

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 1B

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0010 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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11/05/2020

ETHIOPIAN EVANGELICAL CHURCH

OBLITERATE PAVEMENT AND BASE, GRADE TO DRAIN, GRASS. PRICE TO BE INCLUDED IN OVERALL BID.

OBLITERATE PVMT, GRADE TO DRAIN AND GRASS

SARR PKWY

END DITCH
STA.219+32.47
48.00' RT

MATCH LINE STA. 219+00.00 DRAWING No. 19-0020

PROP. SIGNAL POLE
STA.99+59.52
71.45' LT

US 78 EB EXIT RAMP

END TEMP V-DITCH
STA 219+15.93
13.17' LT

END TEMPORARY CONCRETE BARRIER
STA 219+60.00

96+00 97+00 98+00 99+00 520+00 521+00 100+00 101+00 220+00

CURVE #3

MATCH LINE STA. 95+50.00 DRAWING No. 19-0010

A-3

MOUNTAIN INDUSTRIAL BLVD

CURVE #2

MOUNTAIN IND. BLVD.
STA.98+82.58=
SARR PKWY.
STA.521+57.85
N 1394670.873
E 2286538.282

MOUNTAIN IND. BLVD.
STA.100+00.00=
US 78 EB EXIT RAMP
STA.220+44.00
N 1394777.607
E 2286489.235

US 78 EB ENTRANCE RAMP

END TP T GUARDRAIL
TIE TO EXIST. BRIDGE
STA.100+96.50
41.98' RT

END TP W GUARDRAIL
BEGIN TP T GUARDRAIL
STA.100+75.54
42.08' RT

STA.100+33.07
41.79' RT

PROP. SIGNAL POLE
STA.100+23.47
50.14' RT

STA.100+02.43
66.03' RT

BEGIN TP W GUARDRAIL
TP 1 ANCHOR
STA.99+89.70
126.46' RT

MATCH LINE STA. 101+50.00 DRAWING No. 19-0012

11' 12' 11' 12' 12' 11' 11' 13' 12' 12' 12'

18"

LEGEND

- OPEN LANES OF TRAFFIC
- PERMANENT FULL DEPTH CONSTRUCTION
- PERMANENT MILL/OVERLAY CONSTRUCTION
- ORANGE BARRIER FENCE
- RAISED MEDIAN CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT
- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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REVISION DATES

# CONSTRUCTION STAGING PLAN
## US 78 AT MOUNTAIN IND. BLVD.
## STAGE 1B

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|---|---|---|---|---|
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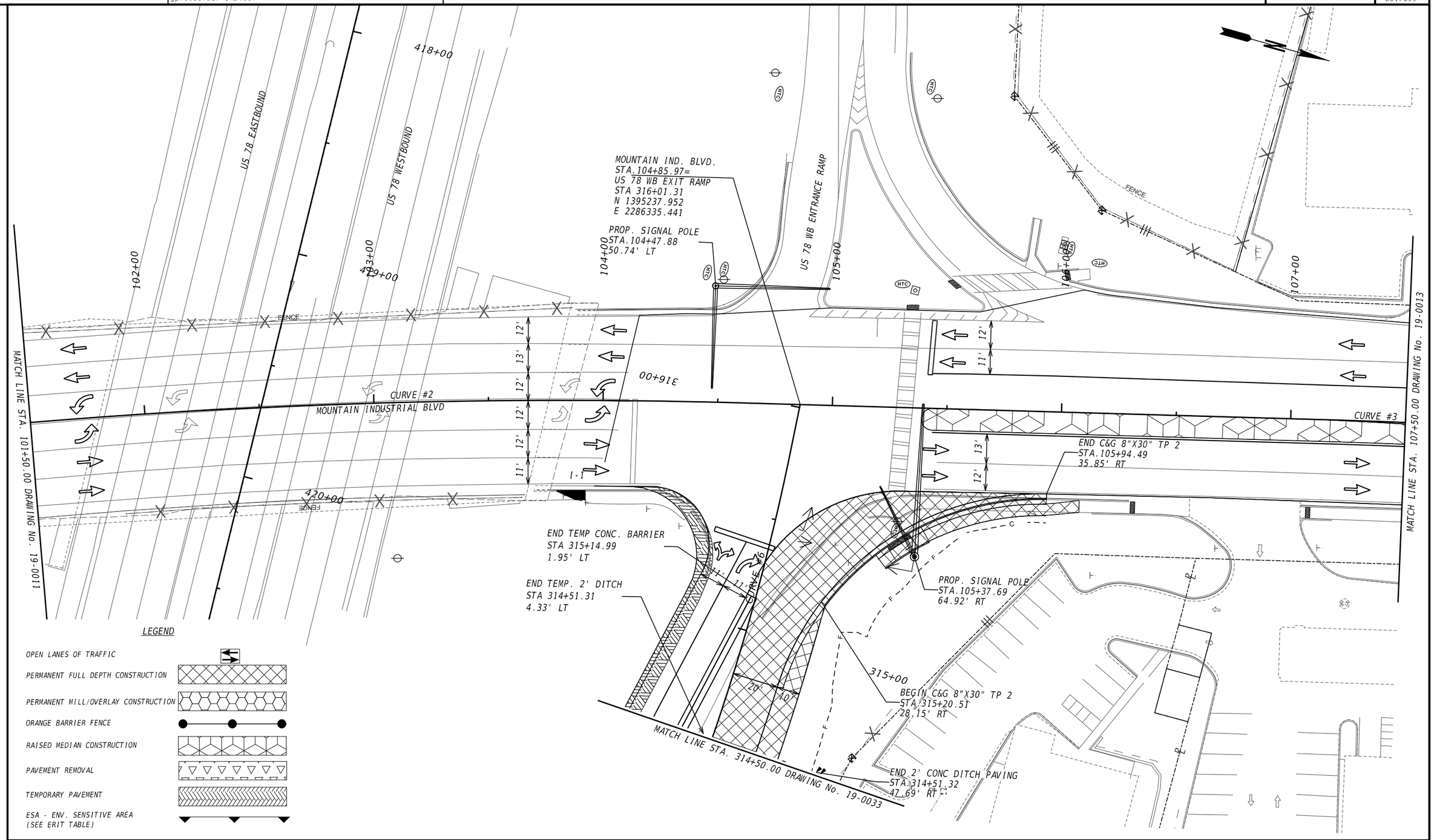


LEGEND

- OPEN LANES OF TRAFFIC
- PERMANENT FULL DEPTH CONSTRUCTION
- PERMANENT MILL/OVERLAY CONSTRUCTION
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REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 1B

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|---|---|---|---|---|
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MATCH LINE STA. 107+50.00 DRAWING No. 19-0012

MATCH LINE STA. 113+50.00 DRAWING No. 19-0014

HIASCH DRIVE

MOUNTAIN INDUSTRIAL BLVD

CURVE #3

B-3 B-2 B-1 C-1 C-2

18" 18" 18" 18" 18"

108+00 109+00 110+00 111+00 112+00 113+00

PROP. SIGNAL POLE
STA.111+87.40
41.32' LT

PROP. SIGNAL POLE
STA.112+36.29
61.68' RT

HAMMERMILL ROAD

14' 11' 12' 11' 12' 12' 13' 11' 12' 12' 13'

$1\frac{1}{2}$

## LEGEND

- OPEN LANES OF TRAFFIC
- PERMANENT FULL DEPTH CONSTRUCTION
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- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 1B

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| VERIFIED: | | DATE: | | |

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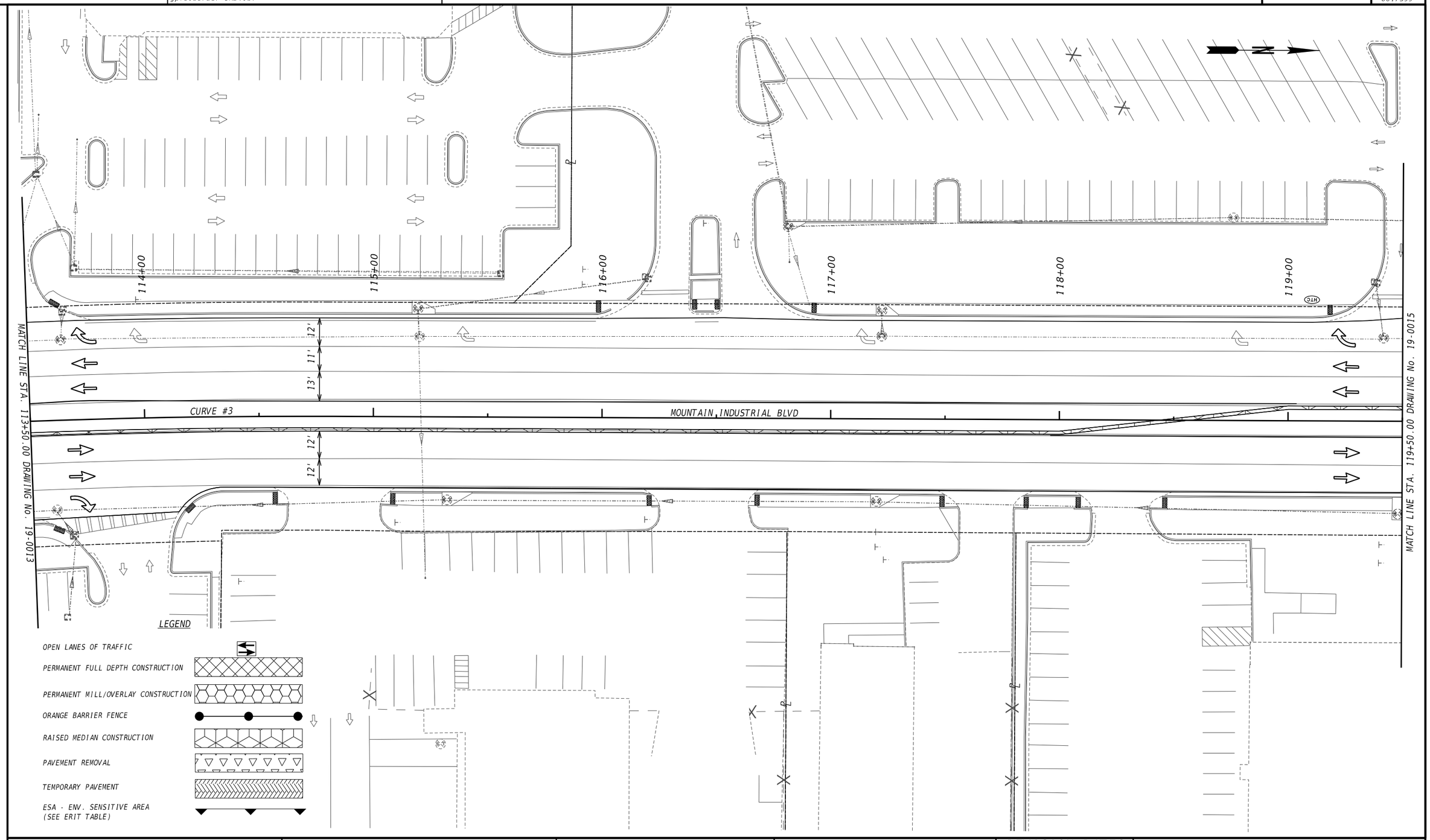


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REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
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| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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11/05/2020

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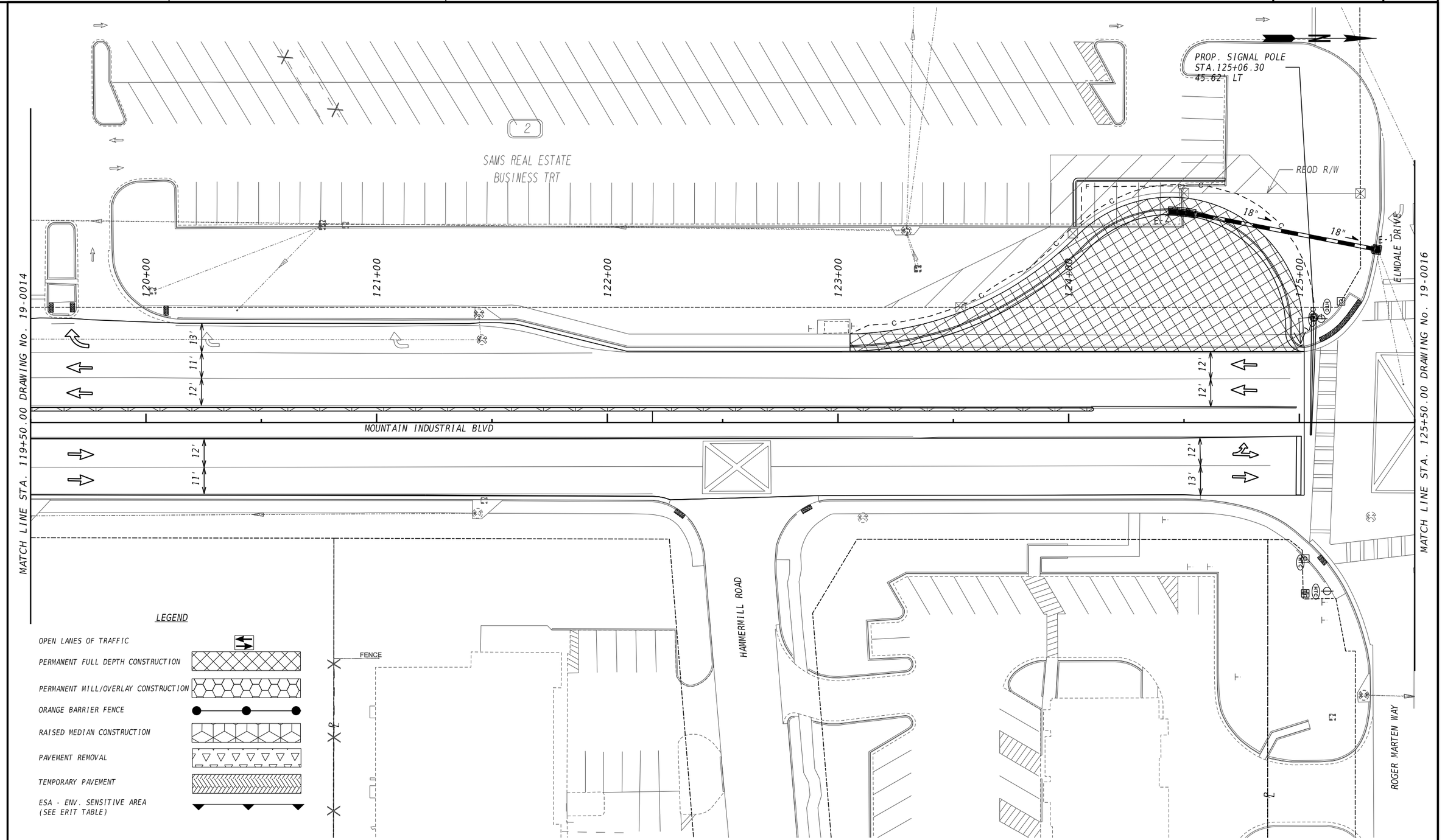
| cathy.wong | | gplotborder-ORD.tbl | | 0017399 |





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| VERIFIED: | | DATE: | | |

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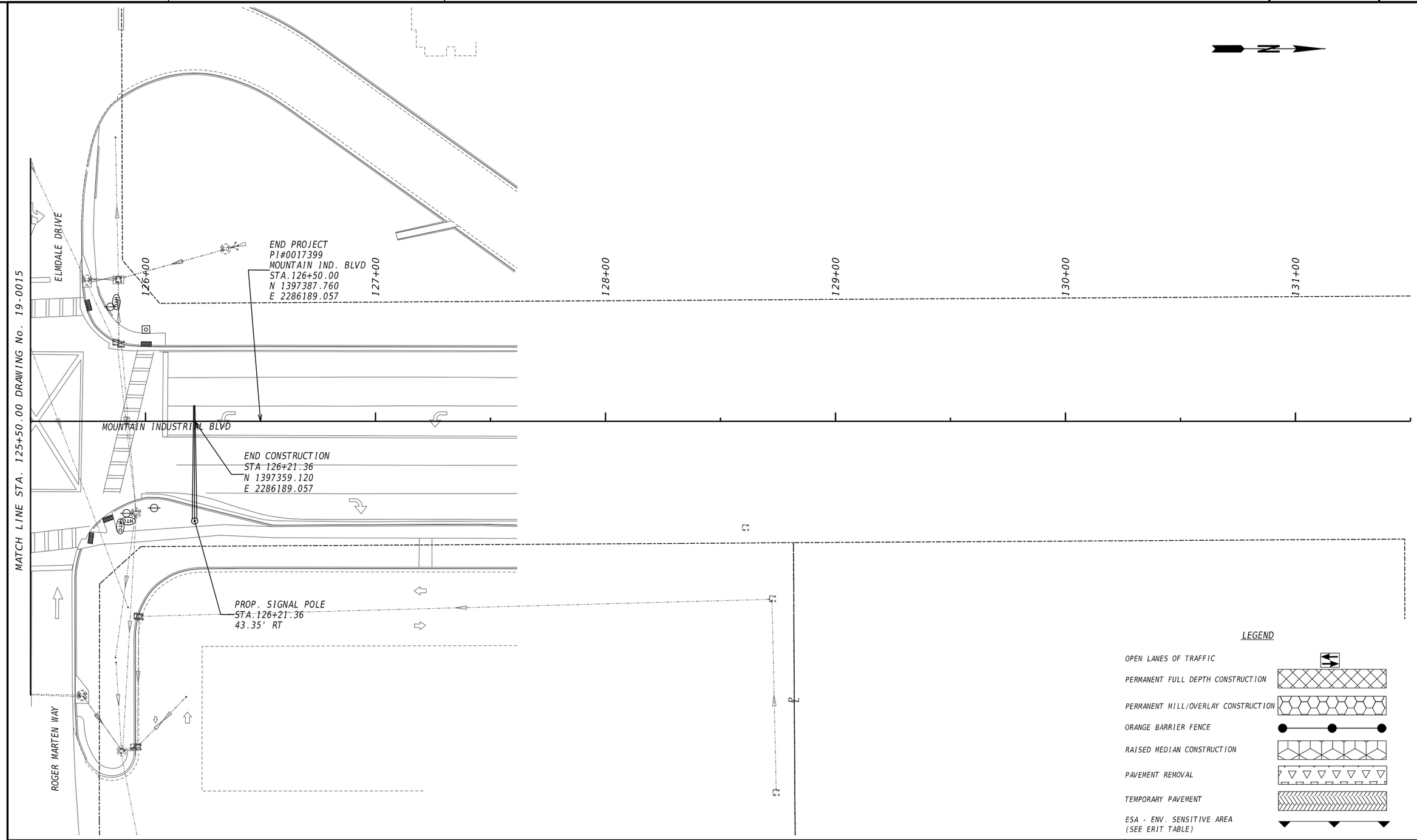


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SCALE IN FEET

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REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 1B

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| VERIFIED: | | DATE: | | |

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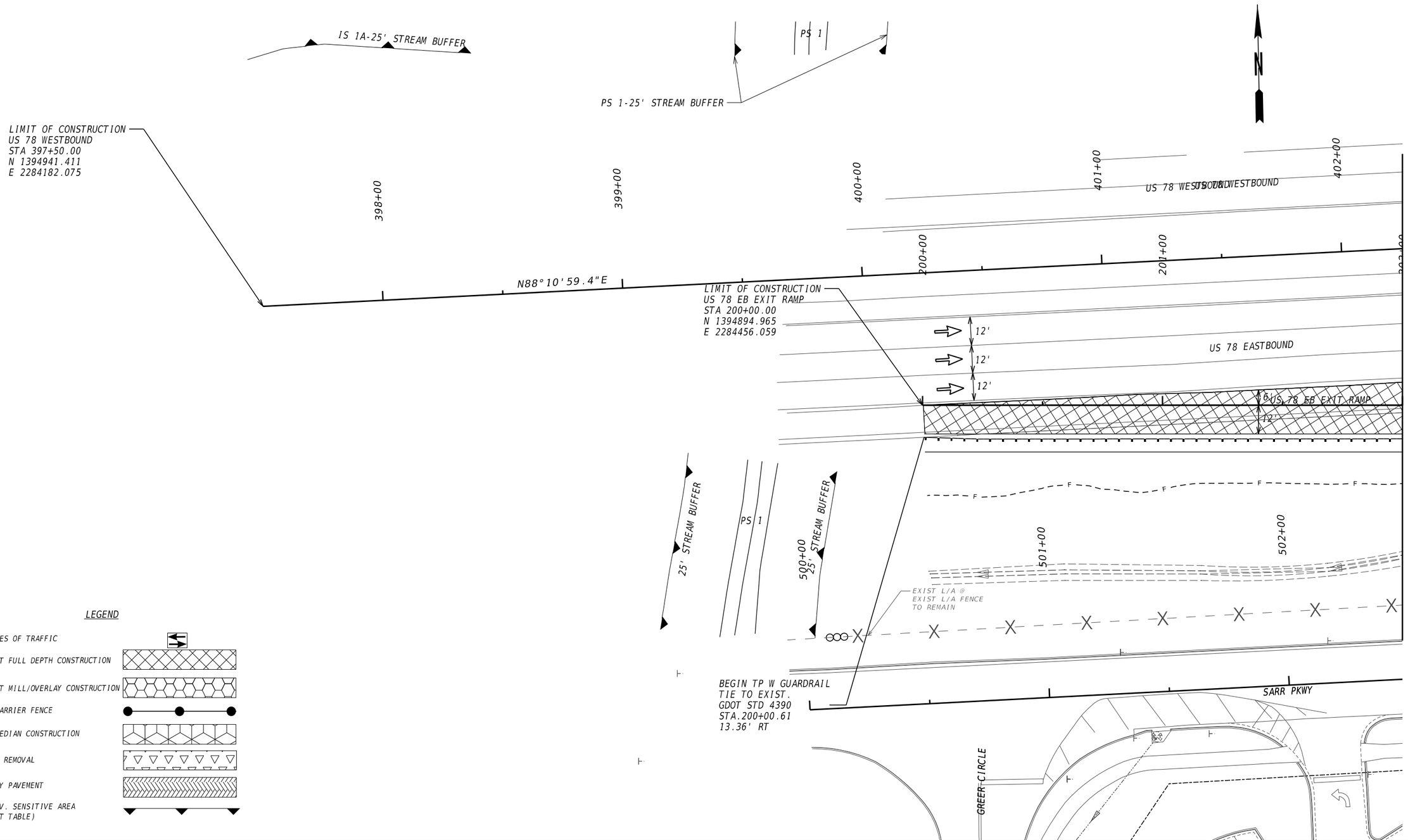


## LEGEND

- OPEN LANES OF TRAFFIC
- PERMANENT FULL DEPTH CONSTRUCTION
- PERMANENT MILL/OVERLAY CONSTRUCTION
- ORANGE BARRIER FENCE
- RAISED MEDIAN CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT
- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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REVISION DATES

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# US 78 AT MOUNTAIN IND. BLVD.
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| VERIFIED: | | DATE: | | |

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LEGEND

OPEN LANES OF TRAFFIC

PERMANENT FULL DEPTH CONSTRUCTION

PERMANENT MILL/OVERLAY CONSTRUCTION

ORANGE BARRIER FENCE

RAISED MEDIAN CONSTRUCTION

PAVEMENT REMOVAL

TEMPORARY PAVEMENT

ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

N

MATCH LINE STA. 202+00.00 DRAWING No. 19-0017

MATCH LINE STA. 208+00.00 DRAWING No. 19-0019

202+00 203+00 204+00 205+00 206+00 207+00 208+00

503+00 504+00 505+00 506+00 507+00 508+00

BEGIN TP W GUARDRAIL
TP 1 ANCHOR
STA.404+58.78
9.56' LT

US 78 WESTBOUND

PROP. OVHD SIGN STRUCTURE, TP 1
STA.408+18.79
2.71' RT

BEGIN TP W GUARDRAIL
TP 12A ANCHOR
STA.405+15.20
10.00' RT

12' 12' 12'

US 78 EASTBOUND

PROP. OVHD SIGN STRUCTURE, TP 1
STA.207+98.74
20.47' RT

12' 12'

US 78 EB EXIT RAMP

15' 11' 18'

GR TP W

HTC

EXIST L/A @
EXIST L/A FENCE
TO REMAIN

SARR PKWY

15' 15'

SARR PKWY

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CONSTRUCTION STAGING PLAN
US 78 AT MOUNTAIN IND. BLVD.
STAGE 1B

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| VERIFIED: | | DATE: | | |

N88°10'59.4"E

END TP W GUARDRAIL
TP 12A ANCHOR
STA.411+22.25
10.10' LT

411+00

410+00

US 78 WESTBOUND

409+00

BEGIN TEMP 2' DITCH
STA 209+44.50
22.07' LT

REMOVE EXIST. GUARDRAIL

END TP W GUARDRAIL
TP 1 ANCHOR
STA.209+83.96
15.49' RT

END TP W GUARDRAIL
TP 1 ANCHOR
STA.411+78.79
10.34' RT

US 78 EASTBOUND

12'
12'
12'

209+00

210+00

211+00

212+00

213+00

TEMPORARY
CONCRETE
BARRIER

BEGIN DITCH
STA.209+87.62
31.28' RT

REMOVE EXIST.
GUARDRAIL

BEGIN TEMP CONC. BARRIER
STA 208+27.88
19.66' LT

12'
12'
13'

2' 16'

MATCH LINE STA. 208+00.00 DRAWING No. 19-0018

MATCH LINE STA. 214+00.00 DRAWING No. 19-0020

TEMP-02

TEMP-03

16'
10'

16'
10'

511+00

512+00

513+00

514+00

US 78 EB EXIT RAMP

16'
34'

REMOVE EXISTING C/A FENCE

510+00

509+00

EXIST L/A @
EXIST L/A FENCE
TO REMAIN

SARR PKWY

SARR PKWY

14'
14'

PLACE L/A
@ NEW FENCE

REQ'D R/W

LIMIT OF CONSTRUCTION
SARR PARKWAY
STA 509+25.00
N 1394798.984
E 2285331.253

END SARR PKWY.
STA.511+33.54
N 1394766.562
E 2285544.840

OBLITERATE PAVEMENT AND BASE, GRADE TO DRAIN, GRASS. PRICE TO BE INCLUDED IN OVERALL BID

ETHIOPIAN
EVANGELICAL
CHURCH

LEGEND

- OPEN LANES OF TRAFFIC
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0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 1B

| | | | | |
|---|---|---|---|---|
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| VERIFIED: | | DATE: | | |

## LEGEND

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- PERMANENT FULL DEPTH CONSTRUCTION
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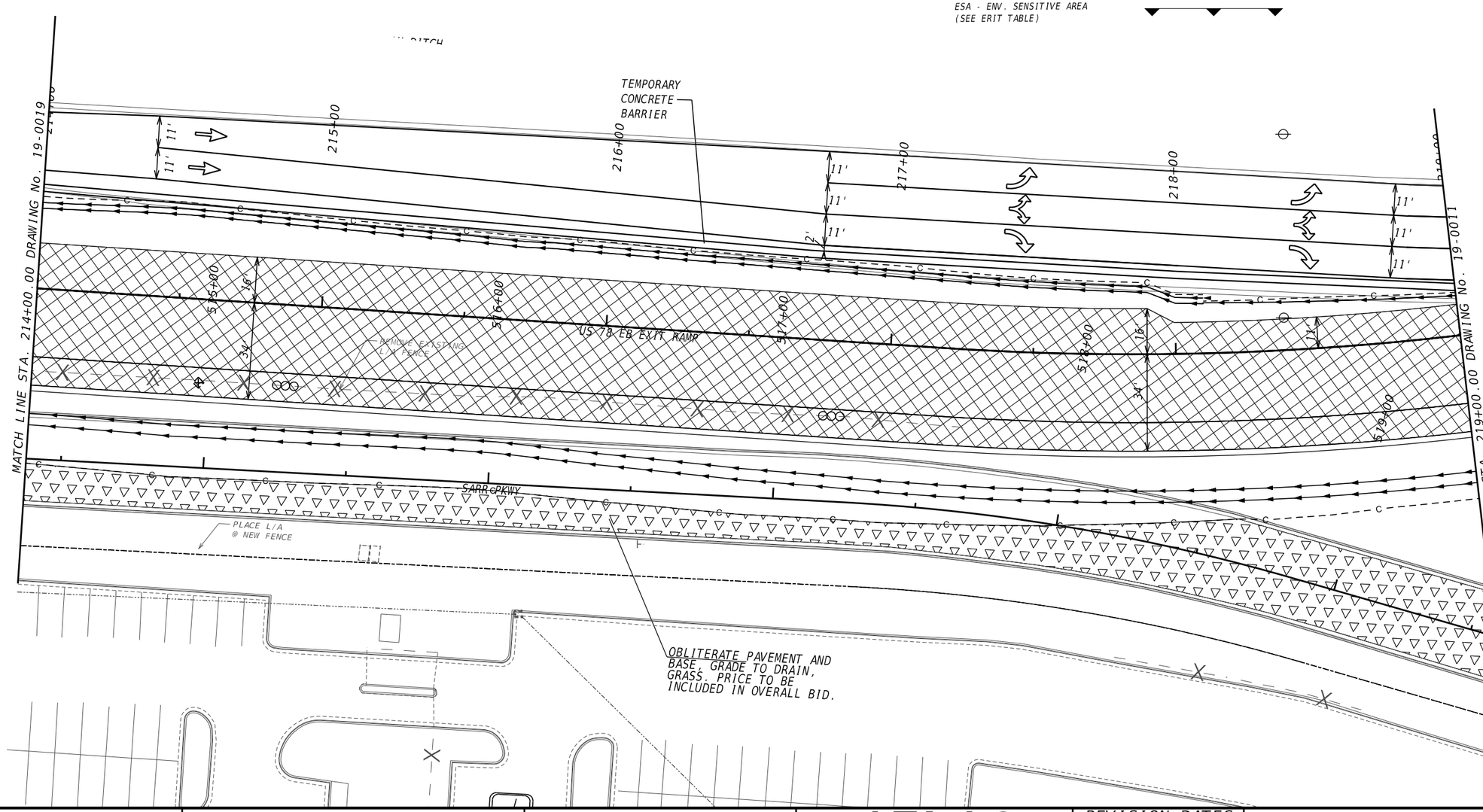
- ORANGE BARRIER FENCE
- RAISED MEDIAN CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT
- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 1B

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|---|---|---|---|---|
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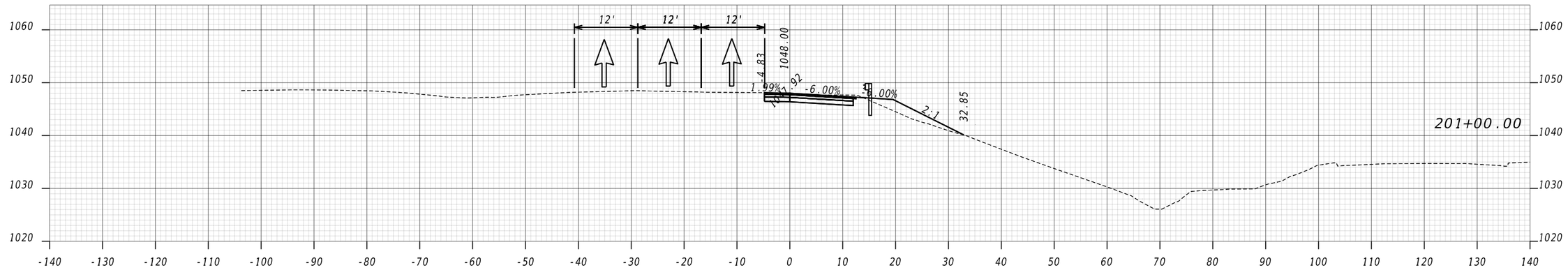


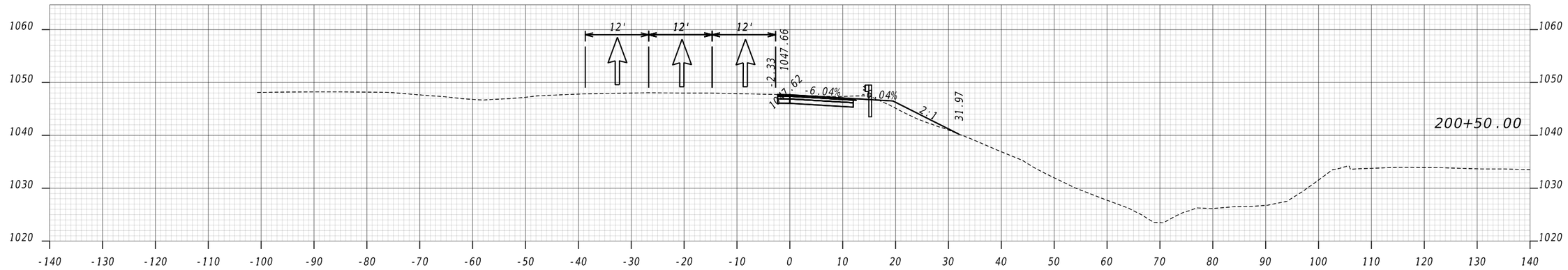


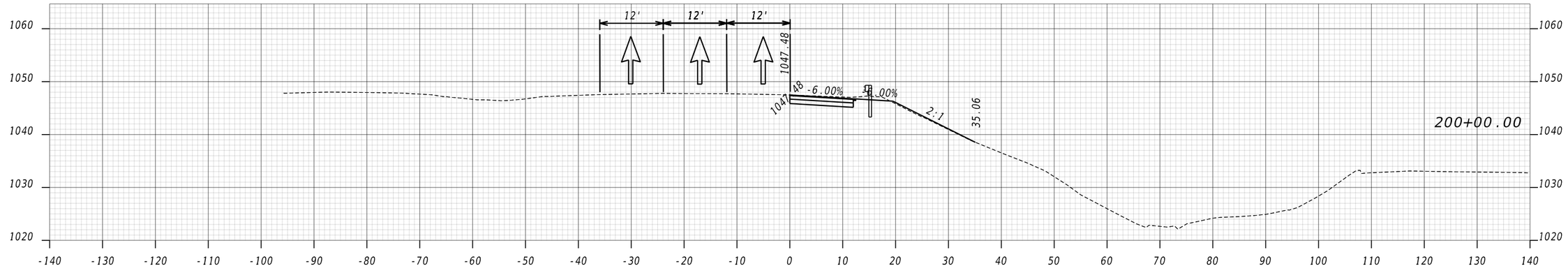


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# CONSTRUCTION STAGING CROSS-SECTIONS
# US 78 EASTBOUND EXIT RAMP
# STAGE 1B

| | | | |
|---|---|---|---|
| CHECKED: | | DATE: | |
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| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No. 19-0021

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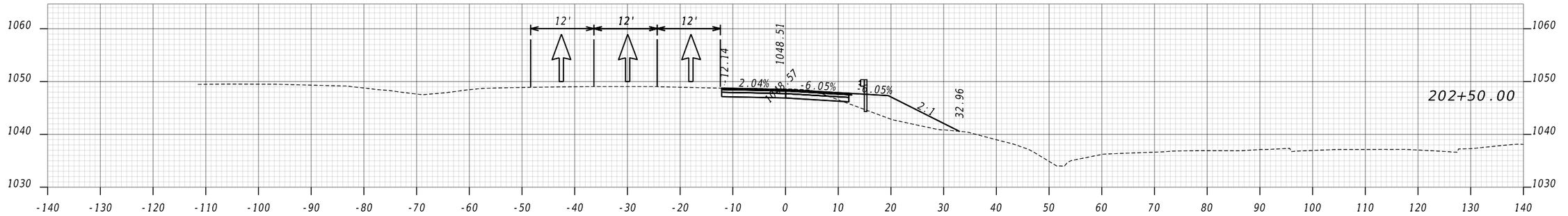


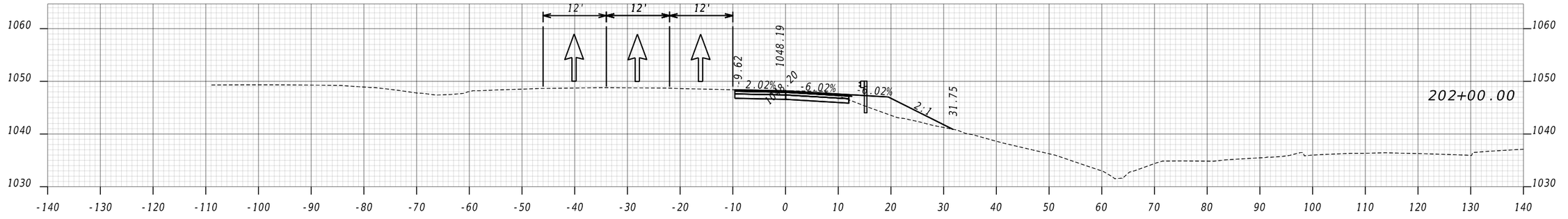


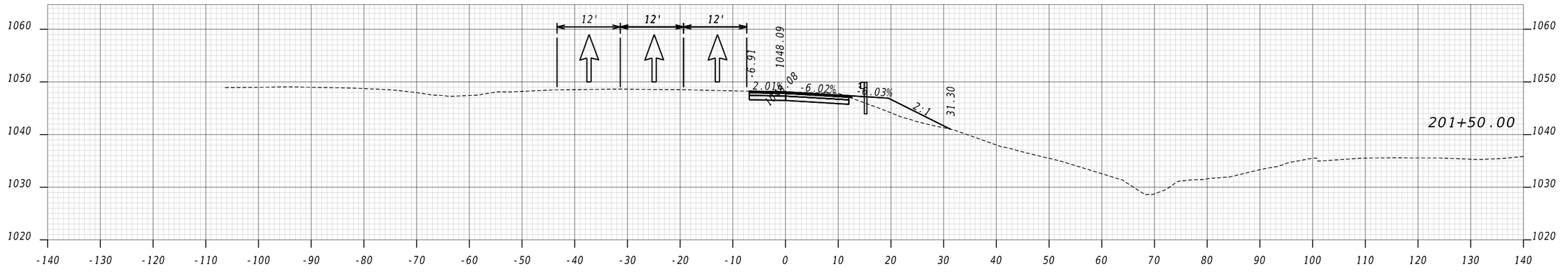


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# CONSTRUCTION STAGING CROSS-SECTIONS
# US 78 EASTBOUND EXIT RAMP
# STAGE 1B

| | | | | |
|---|---|---|---|---|
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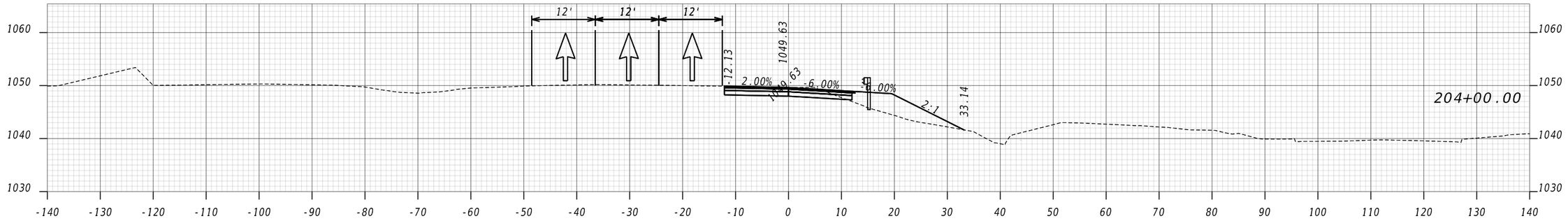


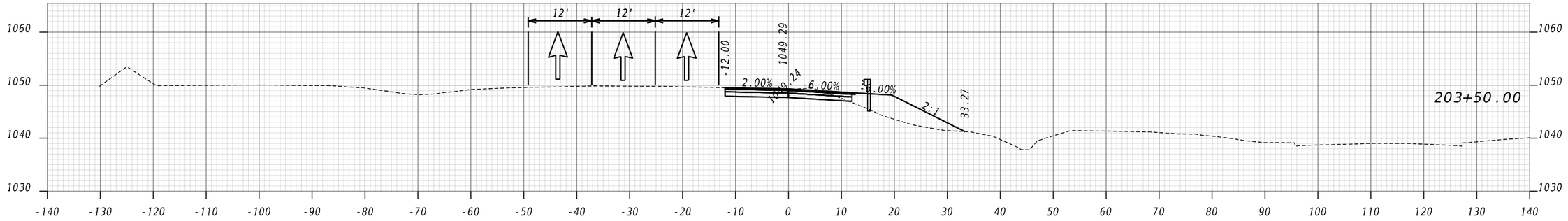


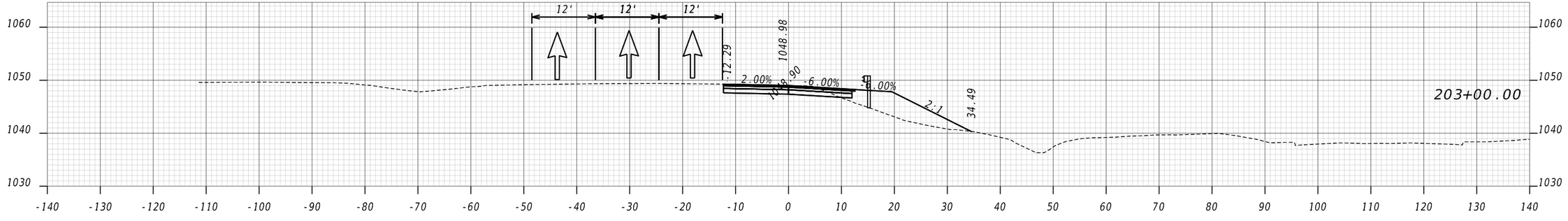


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

CONSTRUCTION STAGING CROSS-SECTIONS
US 78 EASTBOUND EXIT RAMP
STAGE 1B

| | | | | |
|---|---|---|---|---|
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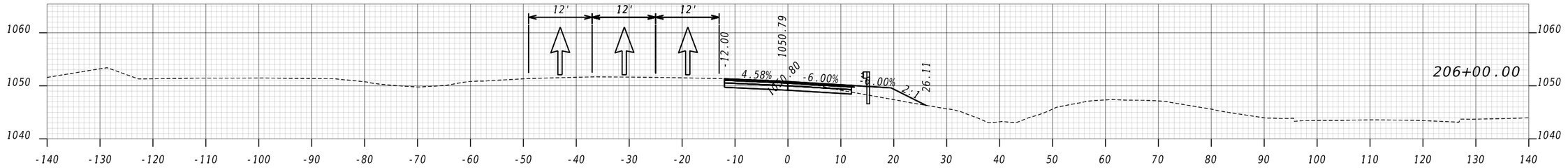


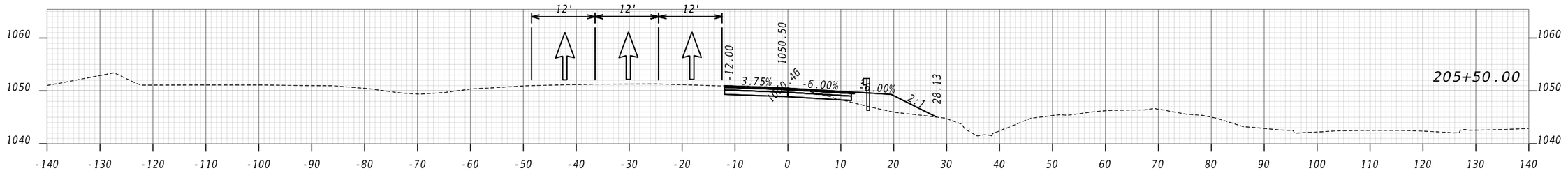


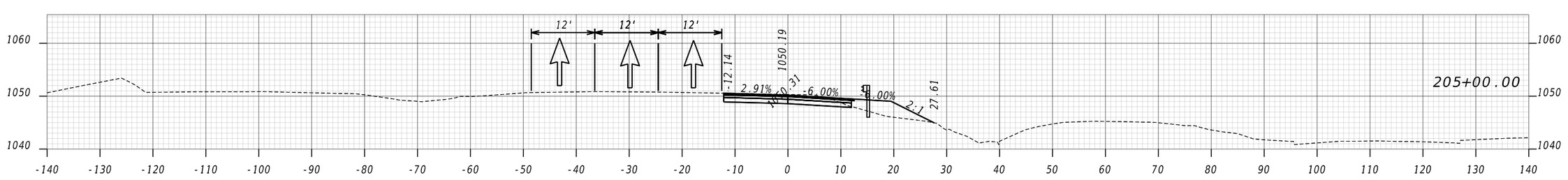


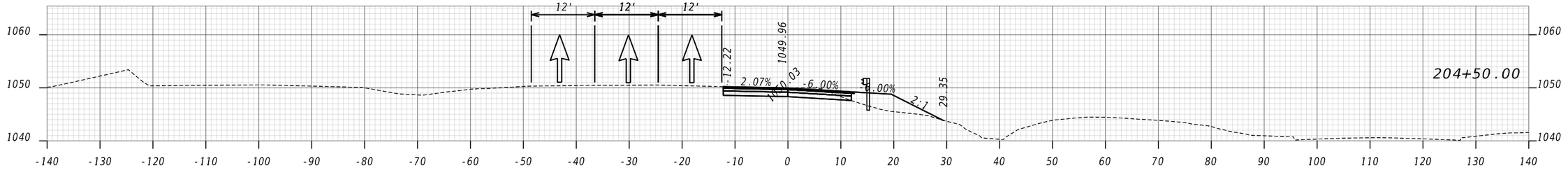


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# CONSTRUCTION STAGING CROSS-SECTIONS
# US 78 EASTBOUND EXIT RAMP
# STAGE 1B

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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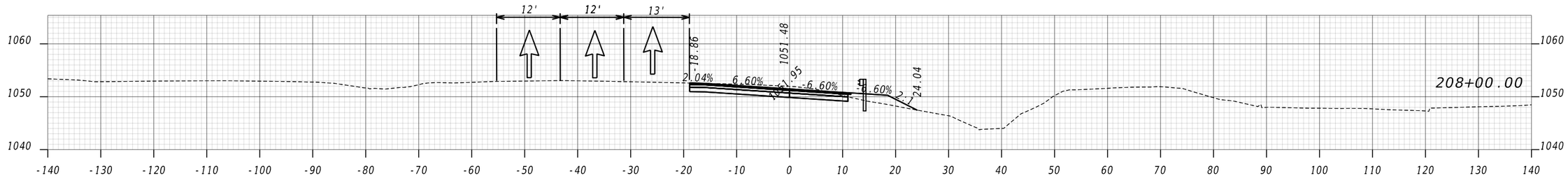
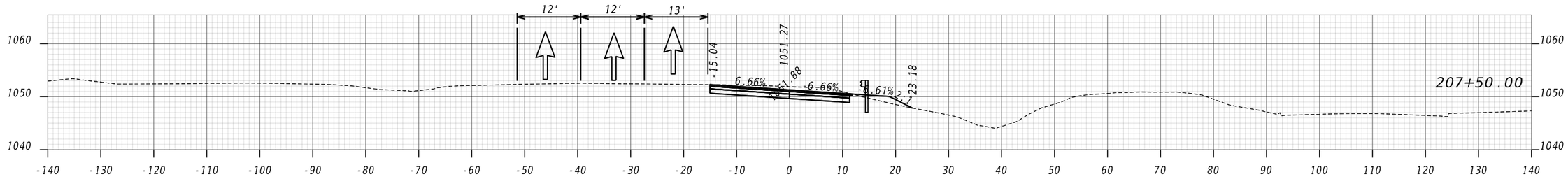
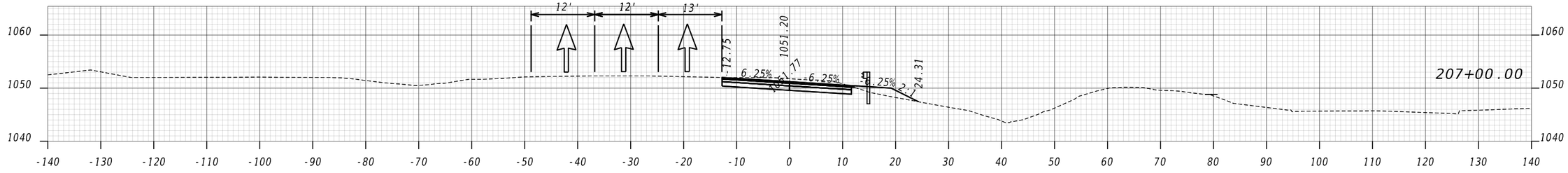
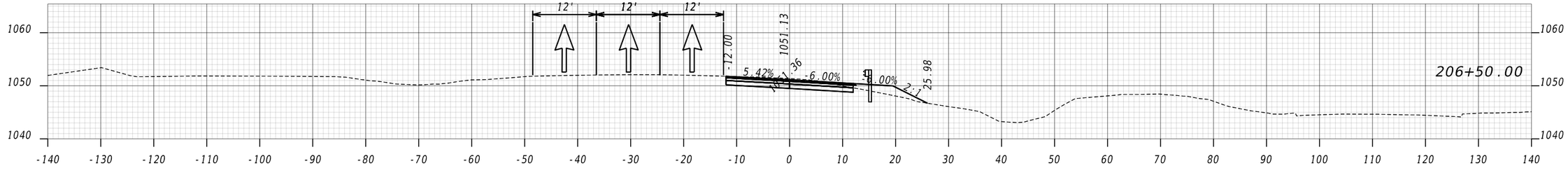



ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

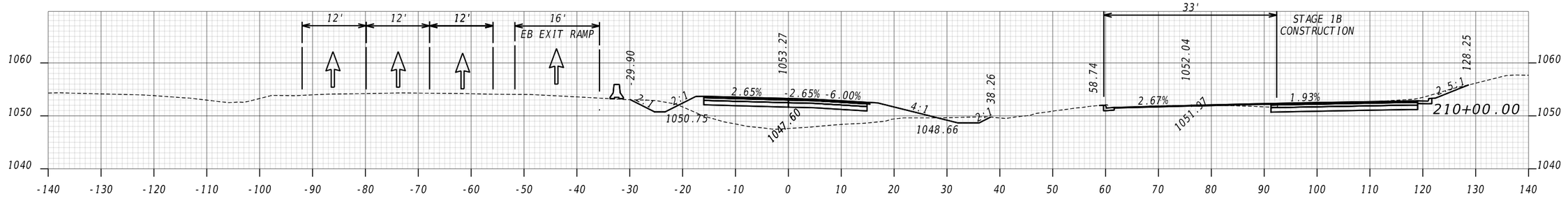
VERTICAL 1" = 20' HORIZONTAL 1" = 20'

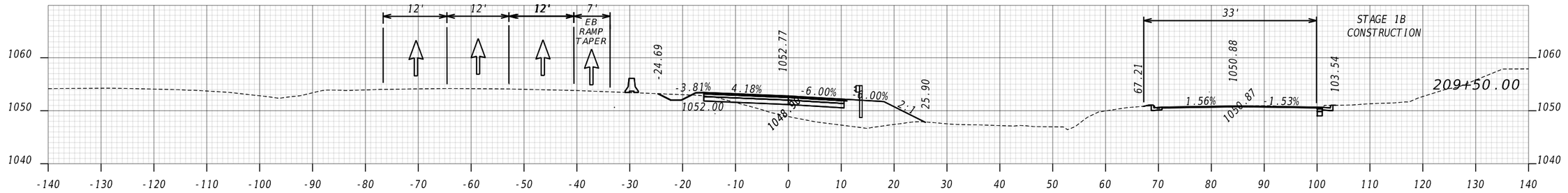
REVISION DATES

# CONSTRUCTION STAGING CROSS-SECTIONS
## US 78 EASTBOUND EXIT RAMP
## STAGE 1B

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0025 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

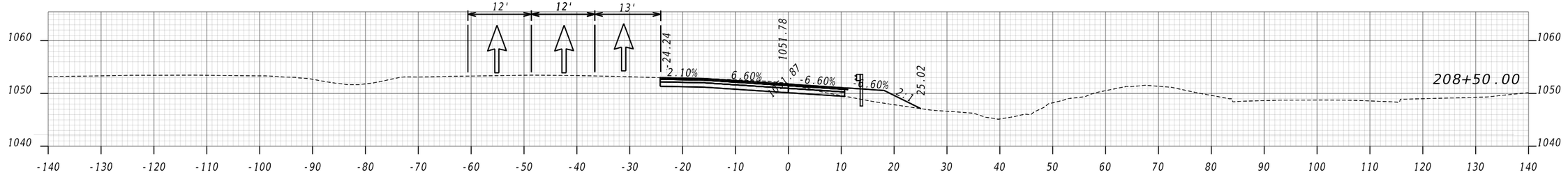
GPLN-CE
11/05/2020










ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

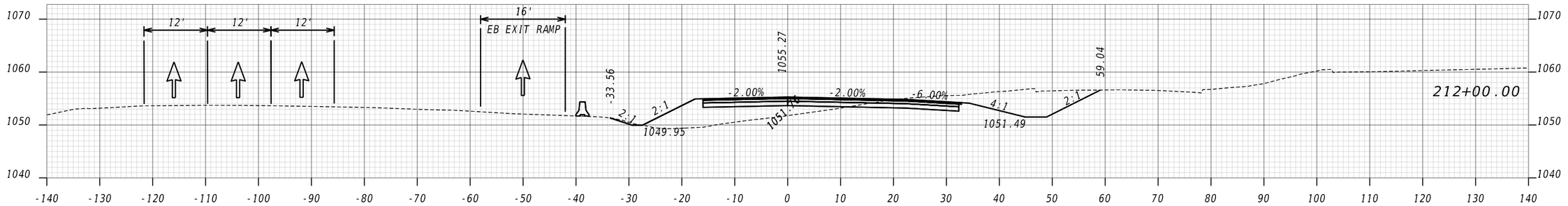
REVISION DATES

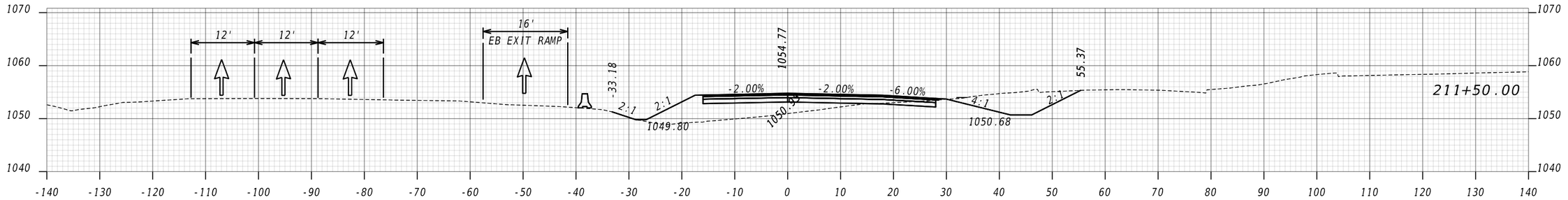
# CONSTRUCTION STAGING CROSS-SECTIONS
# US 78 EASTBOUND EXIT RAMP
# STAGE 1B

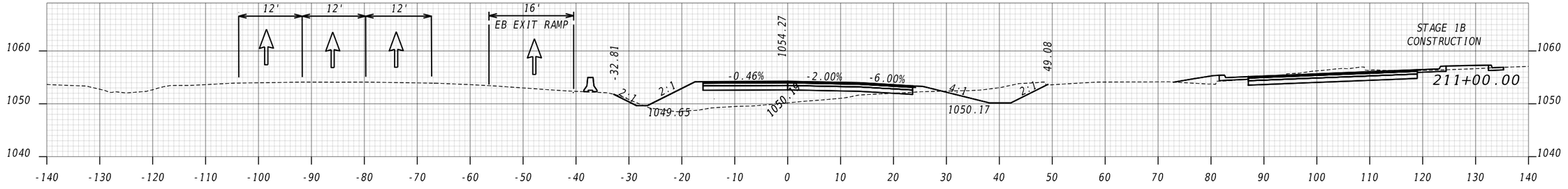
| | | | |
|---|---|---|---|
| CHECKED: | | DATE: | |
| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

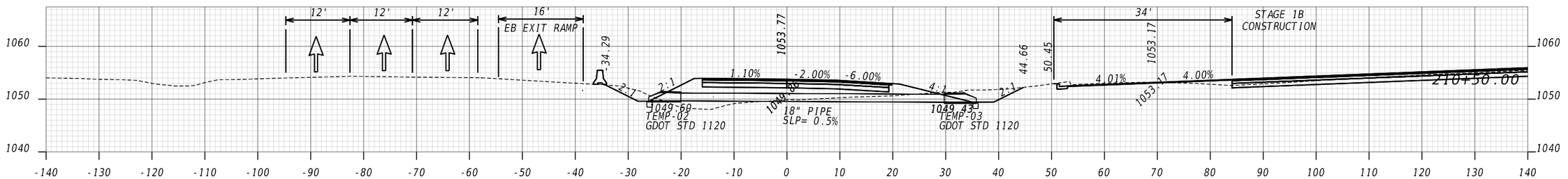
DRAWING No. 19-0026

GPLN-CE
11/05/2020




ATLAS
2450 Commerce Avenue
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770.263.5945

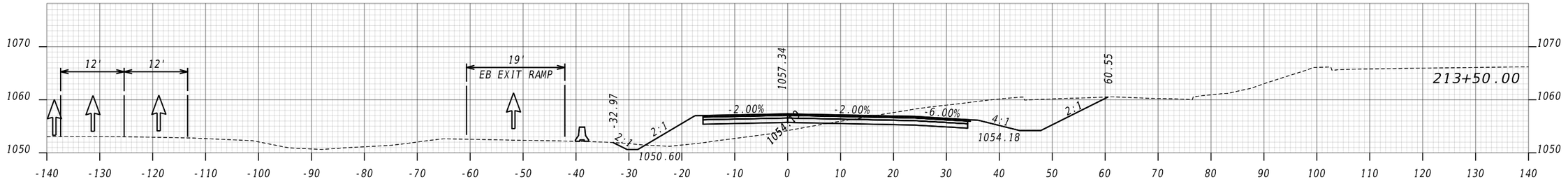
VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

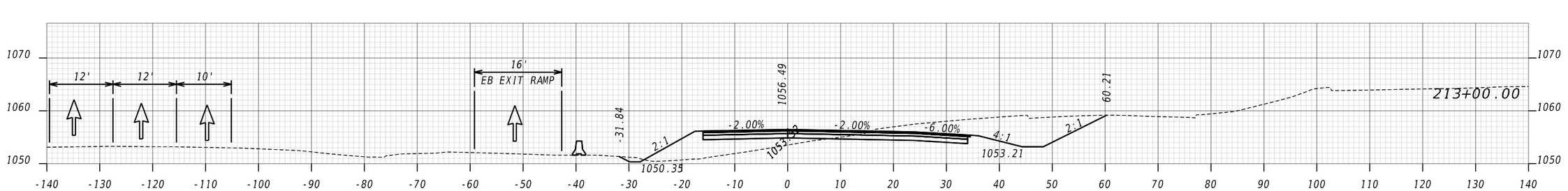
REVISION DATES

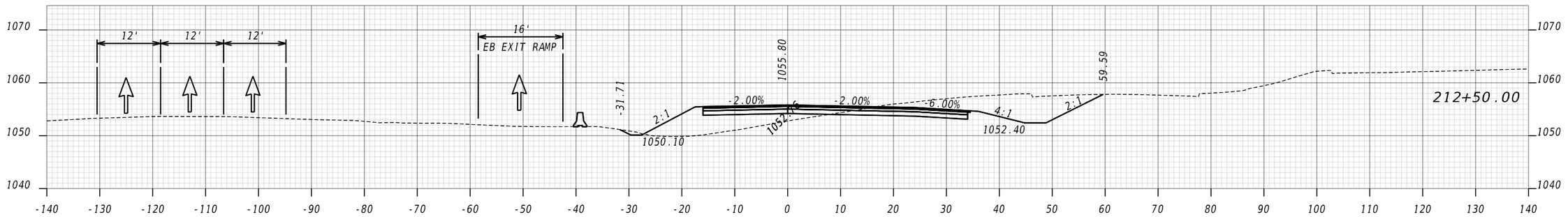
# CONSTRUCTION STAGING CROSS-SECTIONS
# US 78 EASTBOUND EXIT RAMP
# STAGE 1B

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0027 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020




ATLAS
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770.263.5945

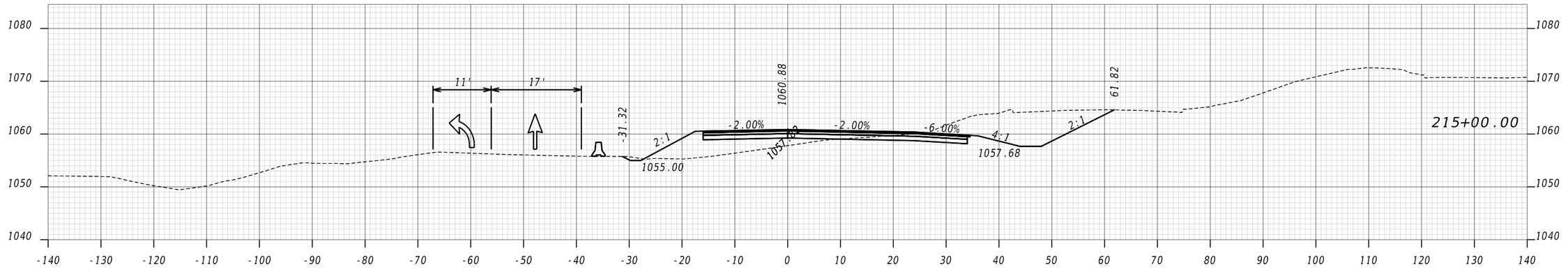
VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

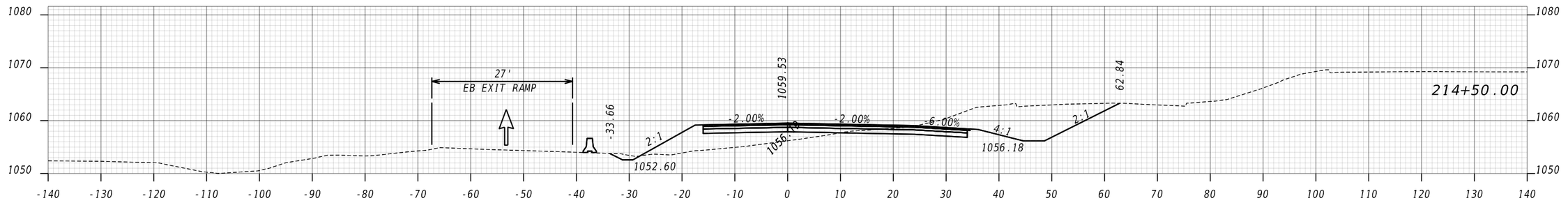
REVISION DATES

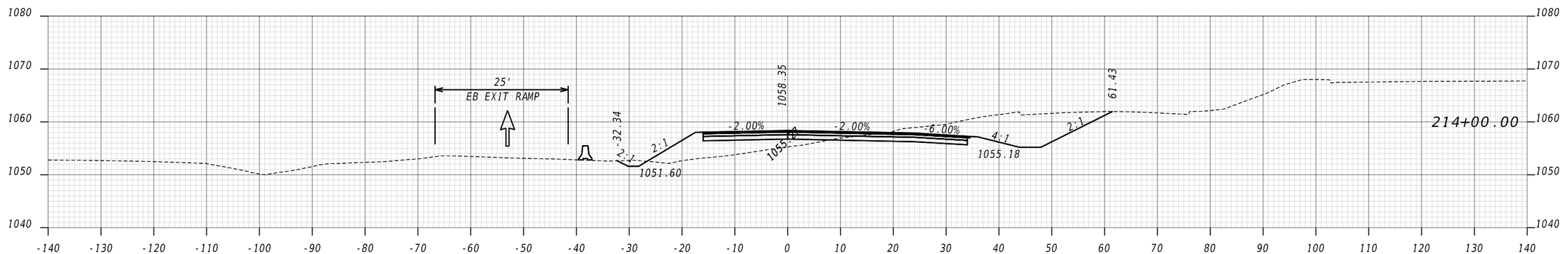
CONSTRUCTION STAGING CROSS-SECTIONS
US 78 EASTBOUNDEXIT RAMP
STAGE 1B

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0028 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

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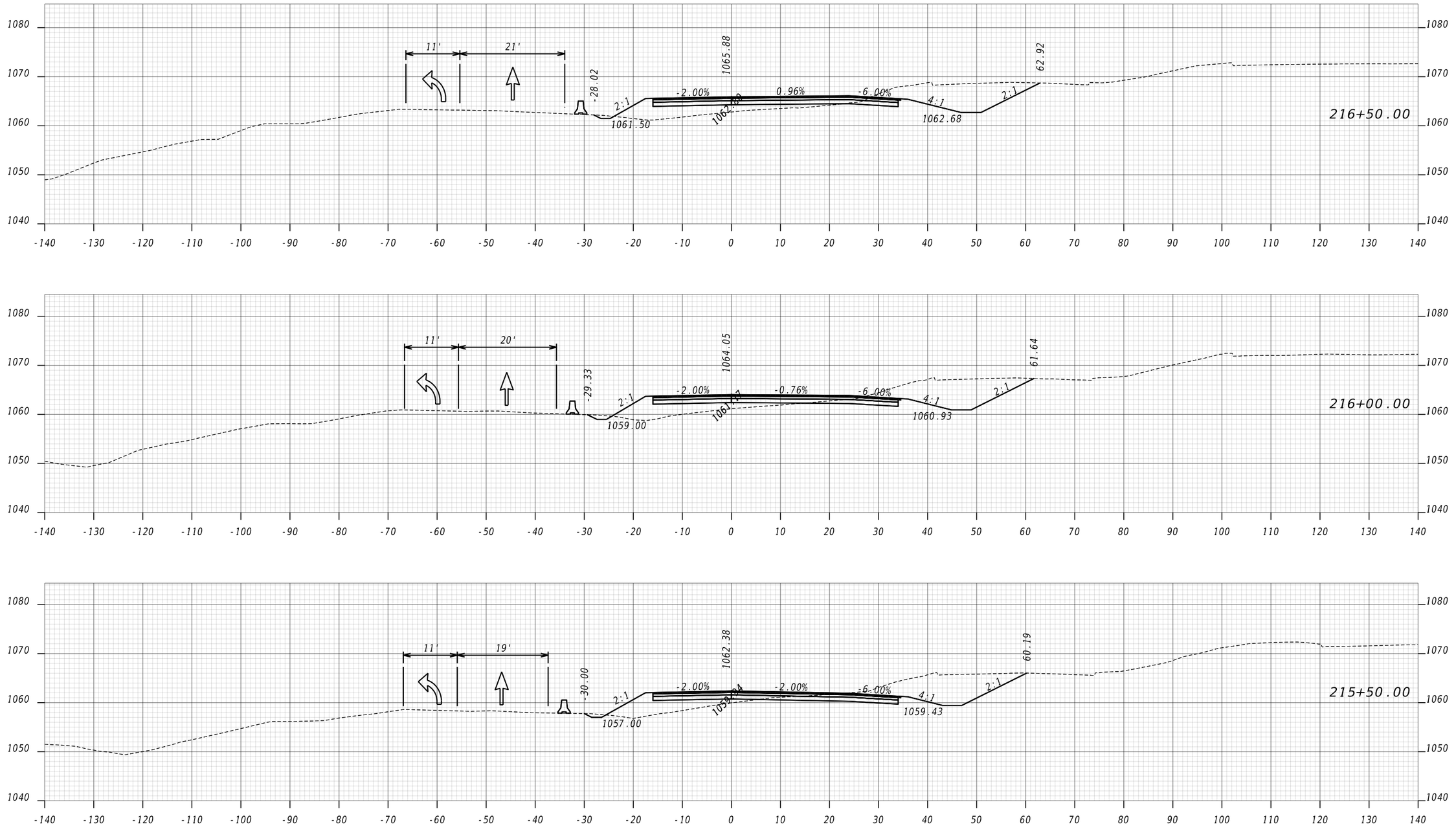
VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# CONSTRUCTION STAGING CROSS-SECTIONS
# US 78 EASTBOUND EXIT RAMP
# STAGE 1B

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0029 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

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2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

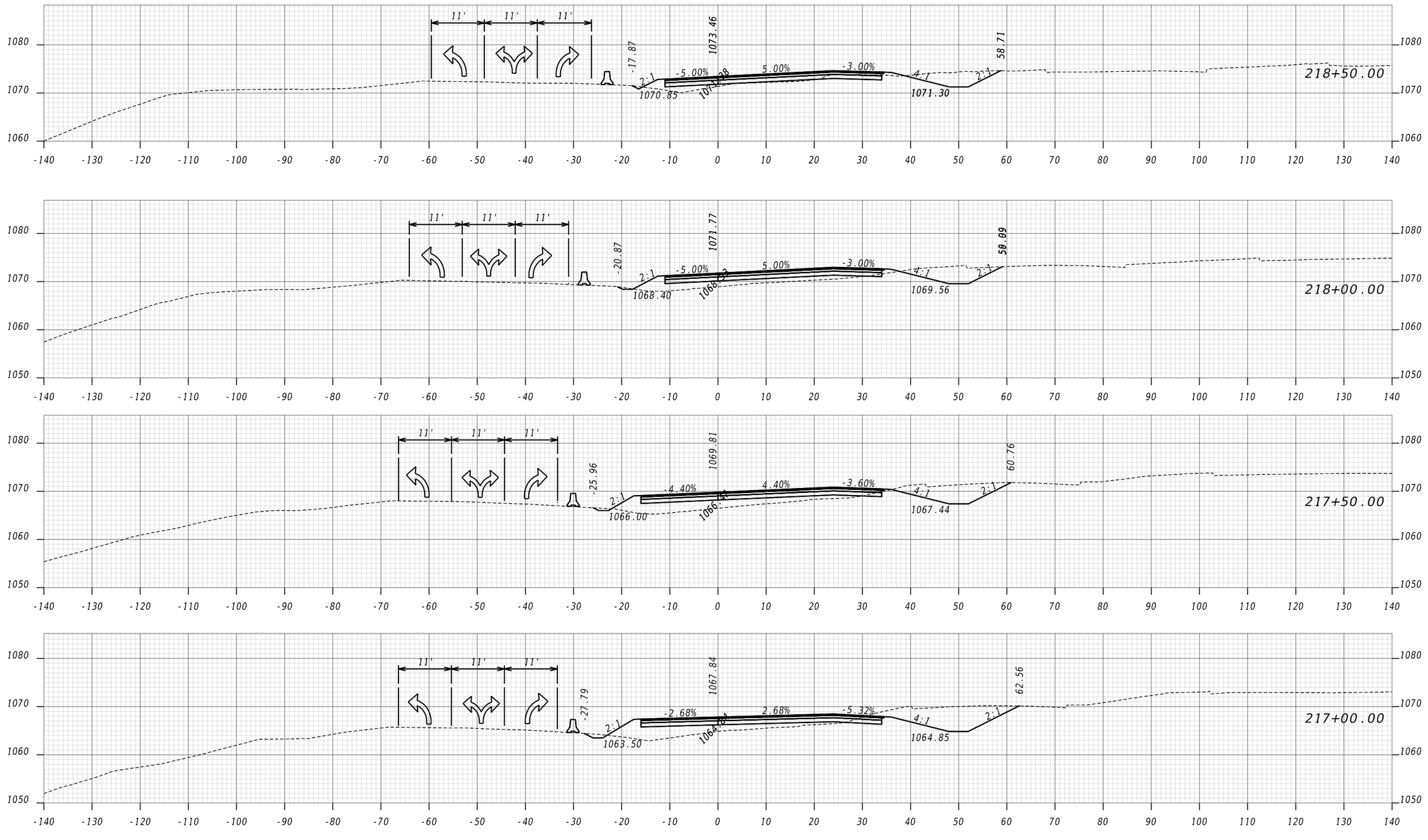
VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

CONSTRUCTION STAGING CROSS-SECTIONS
US 78 EASTBOUND EXIT RAMP
STAGE 1B

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0030 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

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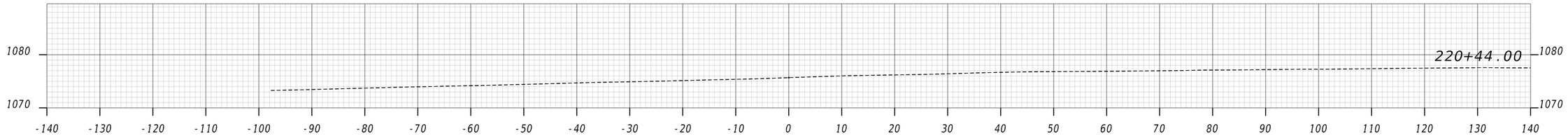
770.263.5945

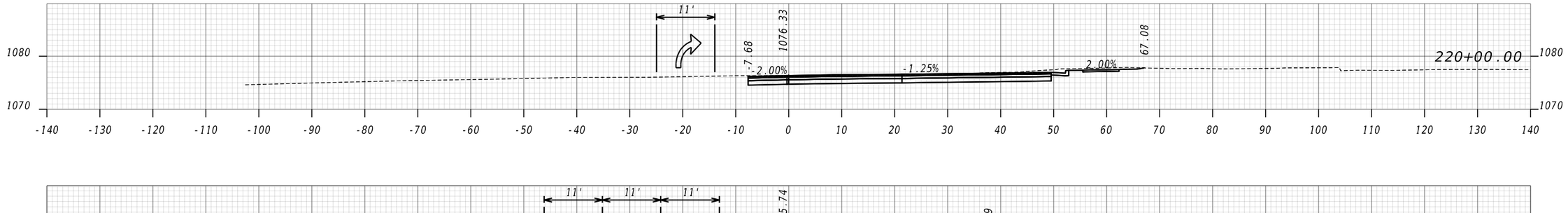
VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

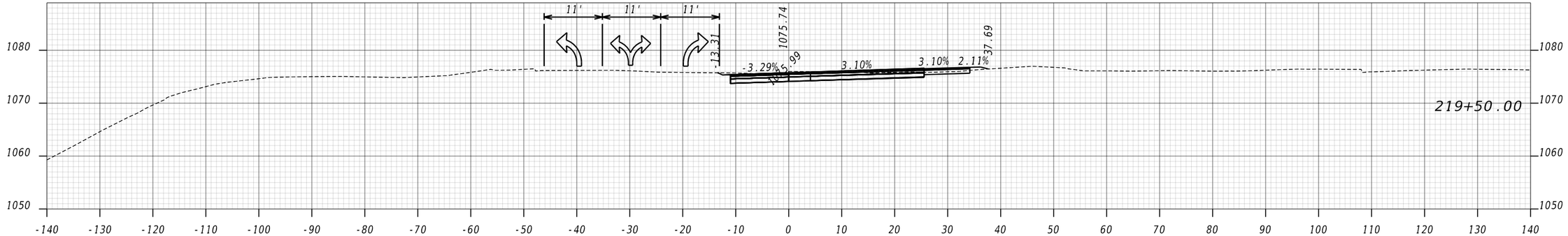
REVISION DATES

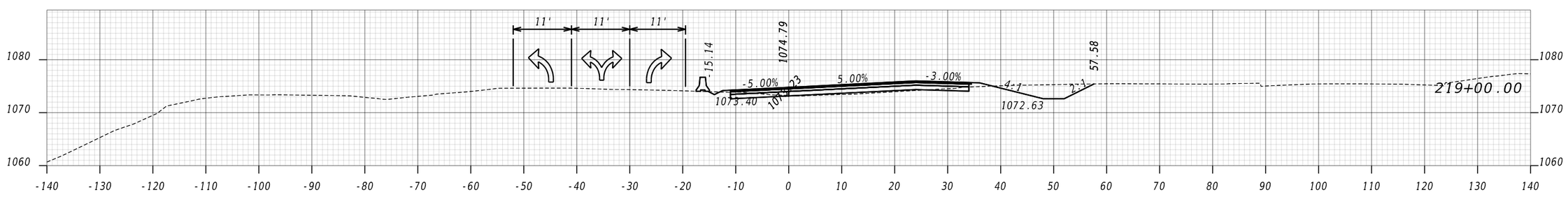
# CONSTRUCTION STAGING CROSS-SECTIONS US 78 EASTBOUND EXIT RAMP STAGE 1B

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0031 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |




ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

CONSTRUCTION STAGING CROSS-SECTIONS
US 78 EASTBOUND EXIT RAMP
STAGE 1B

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0032 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

END 4' CONC. DITCH PAVING
BEGIN 2' CONC. DITCH PAVING
STA.311+90.00
35.67' RT

BEGIN CONC. SIDE BARRIER, TP 2-S (WALL 1)
END TP T GUARDRAIL
TIE TO SIDE BARRIER
STA.311+48.95
31.32' RT

END TP W GUARDRAIL
BEGIN TP T GUARDRAIL
STA.311+28.30
29.48' RT

BEGIN 4' CONCRETE DITCH PAVING
TIE TO EXIST. DITCH
STA.310+46.60
59.43' RT

STA.314+27.15
35.69' RT

EXIST L/A FENCE

314+00 313+00 312+00 311+00 310+00 309+00

END TEMP. V-DITCH
BEGIN TEMP. 2' DITCH
STA 310+95.68
14.86' LT

BEGIN TEMP. V-DITCH
STA 309+10.00
11.17' LT

20' 12' 18' 10'

US 78 WB EXIT RAMP

TEMP-01

2' 24' 16.0' 16'

11' 11' 11' 11'

MATCH LINE STA. 314+50.00 DRAWING No. 19-0012

MATCH LINE STA. 308+50.00 DRAWING No. 19-0034

LEGEND

OPEN LANES OF TRAFFIC
PERMANENT FULL DEPTH CONSTRUCTION
PERMANENT MILL/OVERLAY CONSTRUCTION
ORANGE BARRIER FENCE
RAISED MEDIAN CONSTRUCTION
PAVEMENT REMOVAL
TEMPORARY PAVEMENT
ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

TEMPORARY CONCRETE BARRIER

F-2

TEMPORARY CONCRETE BARRIER

BEGIN TP W GUARDRAIL
TP 1 ANCHOR
STA.425+29.51
10.90' LT

STA.425+95.84
9.90' LT

11' 12' 12'

426+00 425+00 424+00 423+00 422+00

US 78 WESTBOUND

US 78 EASTBOUND

BEGIN TP W GUARDRAIL
TP 12A ANCHOR
STA.425+85.78
12.37' RT

HTC

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION STAGING PLAN
US 78 AT MOUNTAIN IND. BLVD.
STAGE 1B

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0033 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

LEGEND

OPEN LANES OF TRAFFIC

PERMANENT FULL DEPTH CONSTRUCTION

PERMANENT MILL/OVERLAY CONSTRUCTION

ORANGE BARRIER FENCE

RAISED MEDIAN CONSTRUCTION

PAVEMENT REMOVAL

TEMPORARY PAVEMENT

ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

EXIST L/A FENCE

MATCH LINE STA. 308+50.00 DRAWING No. 19-0033

308+00

307+00

306+00

305+00

304+00

303+00

BEGIN TEMP. COCN. BARRIER
STA 307+17.95
22.24' LT

PROP. OVHD SIGN STRUCTURE, TP 1
STA.305+93.86
20.00' RT

16'

US 78 WB EXIT RAMP

11'

12'

12'

REMOVE EXIST. GUARDRAIL

STA.428+89.76
9.19' LT

US 78 WESTBOUND

STA.429+24.51
9.00' LT

STA.431+35.19
7.99' LT

END TP W GUARDRAIL
TP 12A ANCHOR
STA.431+95.10
8.02' LT

428+00

427+00

429+00

430+00

431+00

432+00

EXIST GR

PROP. OVHD SIGN STRUCTURE, TP 1
STA.428+89.76
1.70' LT

US 78 EASTBOUND

STA.430+57.38
12.48' RT

STA.431+18.68
12.46' RT

REMOVE EXIST. GUARDRAIL

STA.426+34.84
12.31' RT

MATCH LINE STA. 302+50.00 DRAWING No. 19-0035

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Suite 100
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770.263.5945

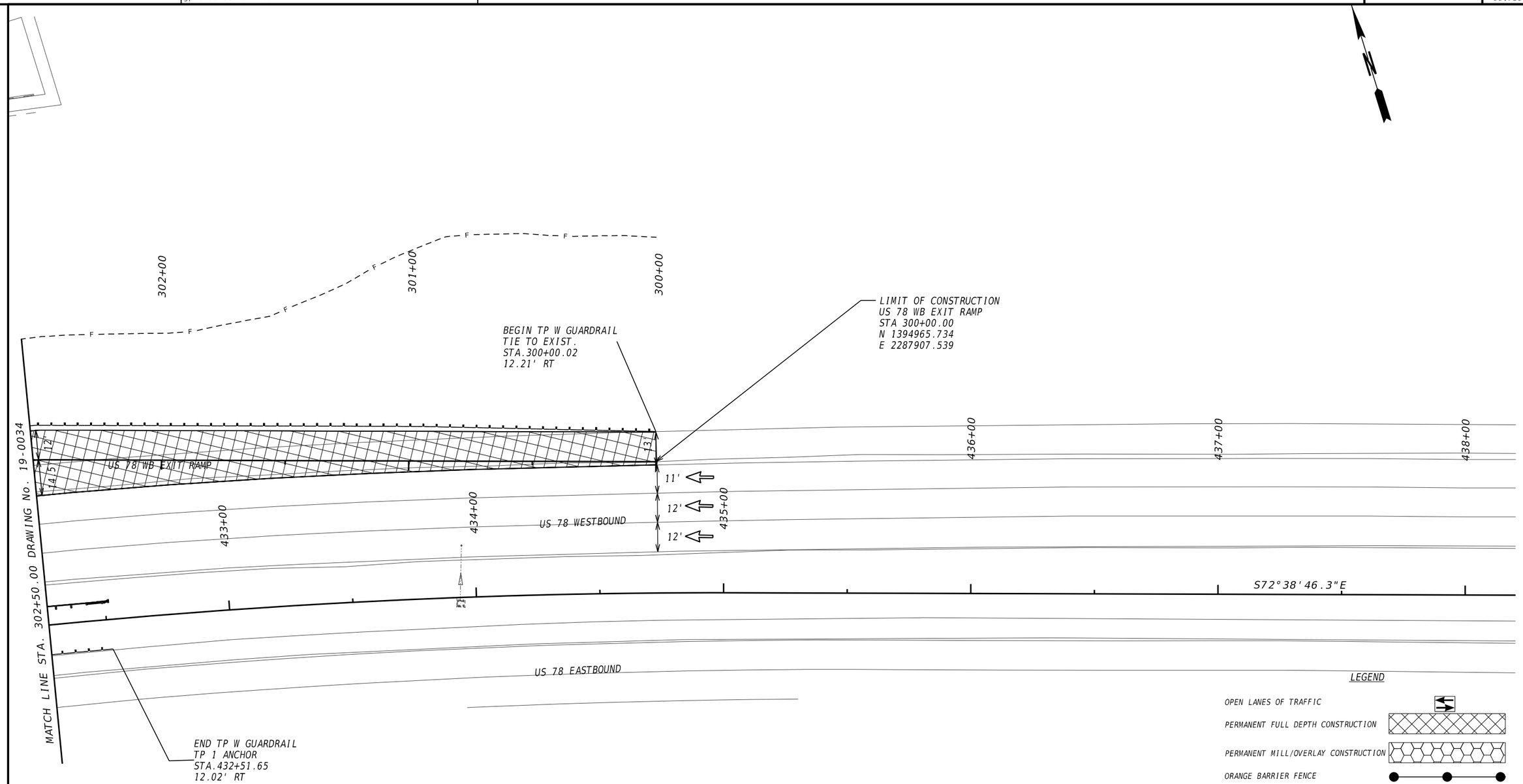
SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION STAGING PLAN
US 78 AT MOUNTAIN IND. BLVD.
STAGE 1B

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | |
| CORRECTED: | | DATE: | | 19-0034 |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020




LEGEND

- OPEN LANES OF TRAFFIC
- PERMANENT FULL DEPTH CONSTRUCTION
- PERMANENT MILL/OVERLAY CONSTRUCTION
- ORANGE BARRIER FENCE
- RAISED MEDIAN CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT
- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ATLAS
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770.263.5945

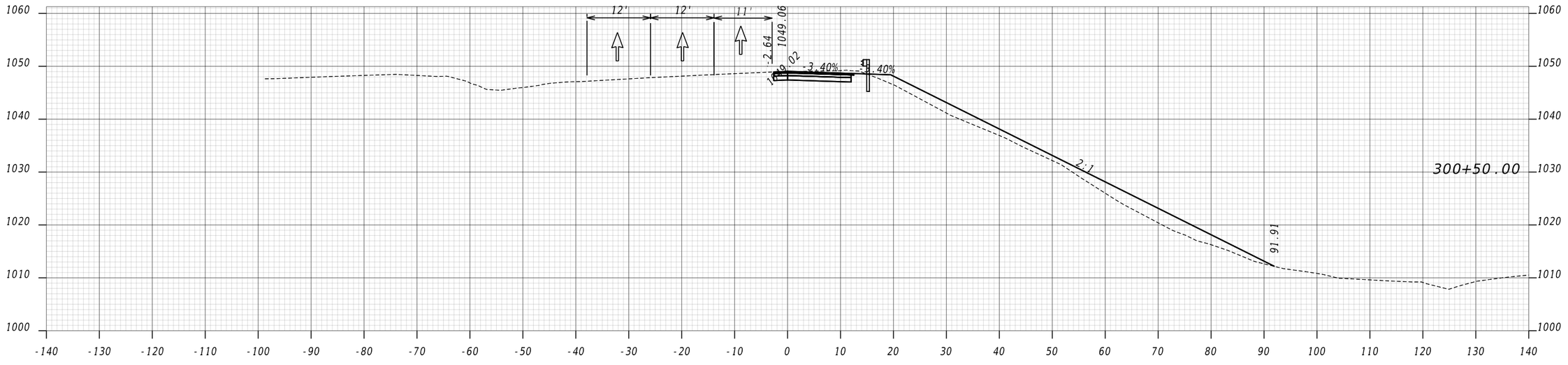
SCALE IN FEET
0 20 40 80

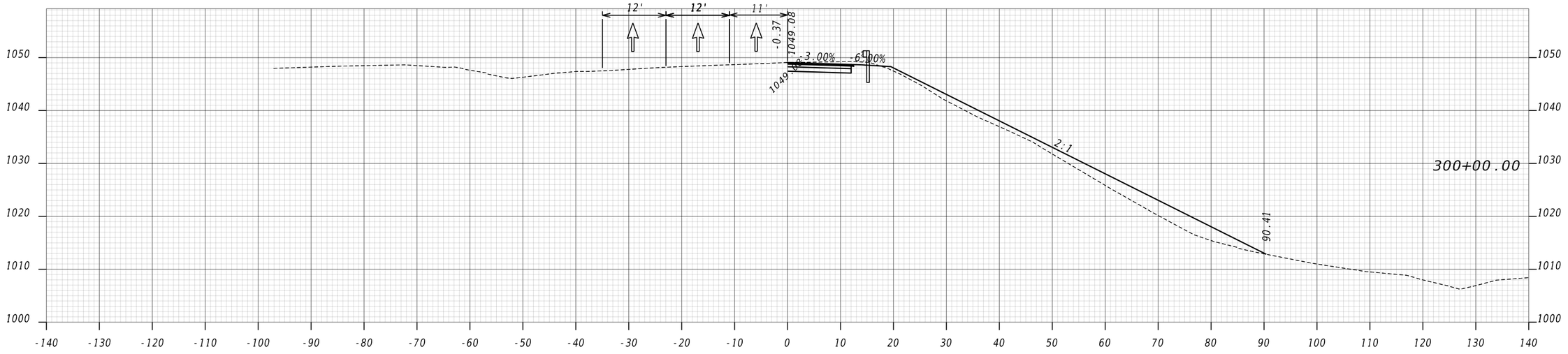
REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 1B

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0035 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020



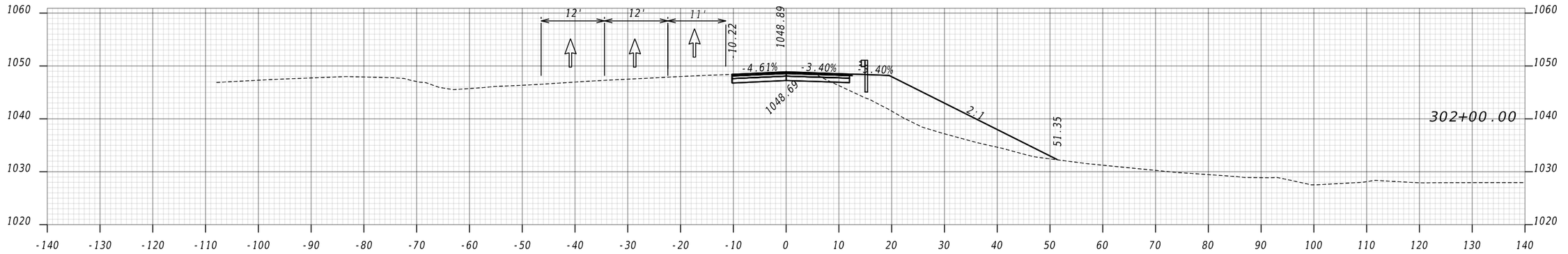



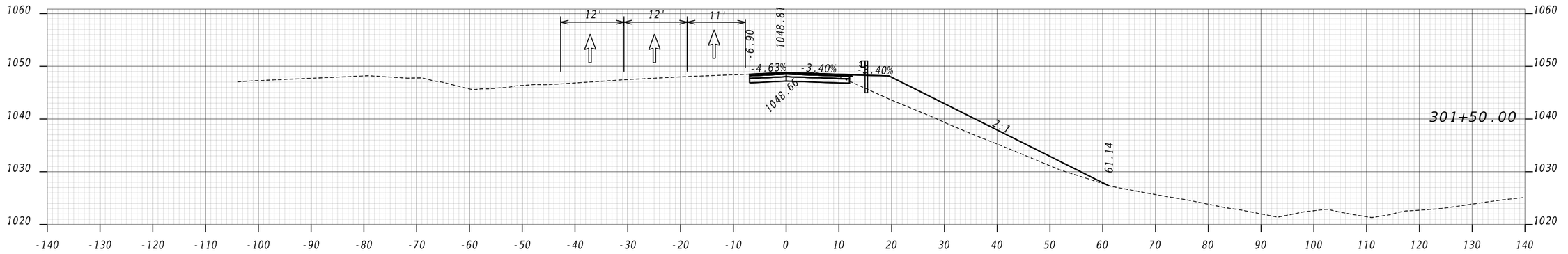

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

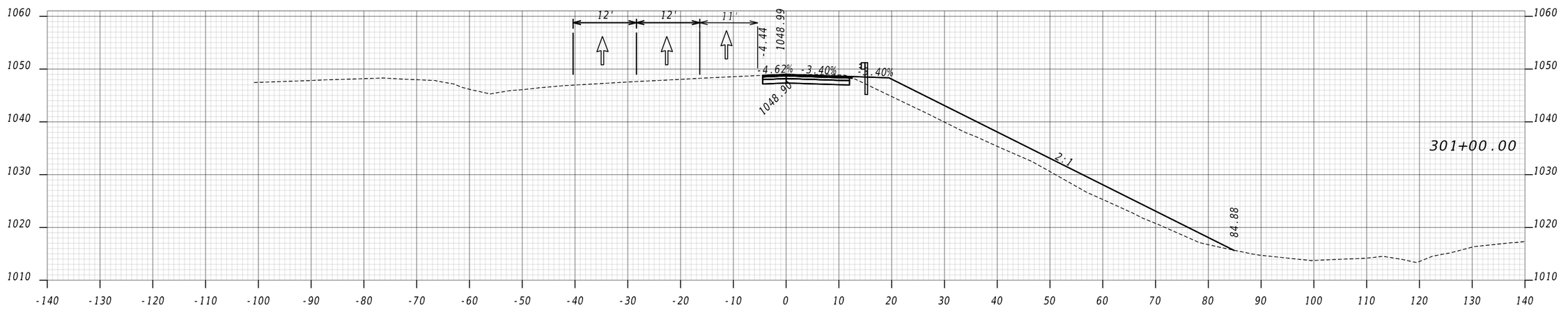
VERTICAL 1" = 20' HORIZONTAL 1" = 20'

CONSTRUCTION STAGING CROSS-SECTIONS
US 78 WESTBOUND EXIT RAMP
STAGE 1B

19-0036




ATLAS
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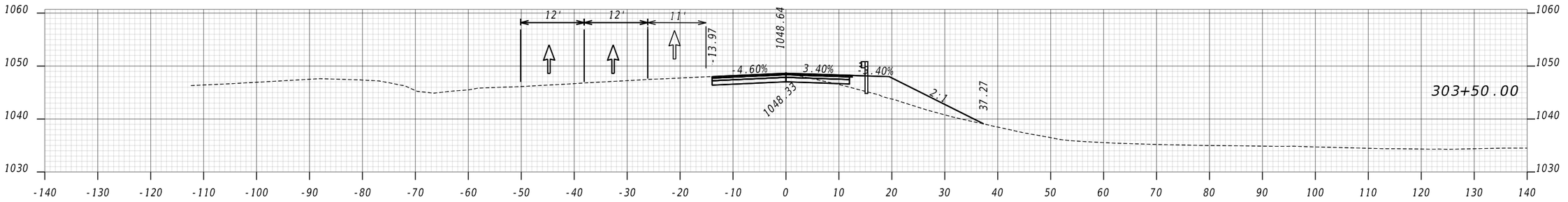
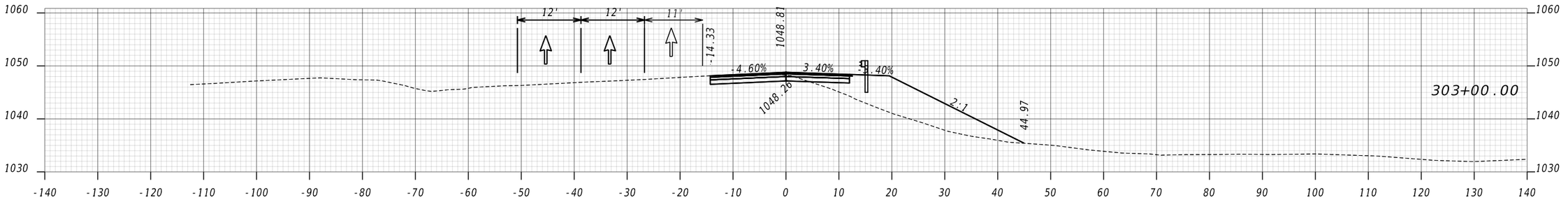
770.263.5945

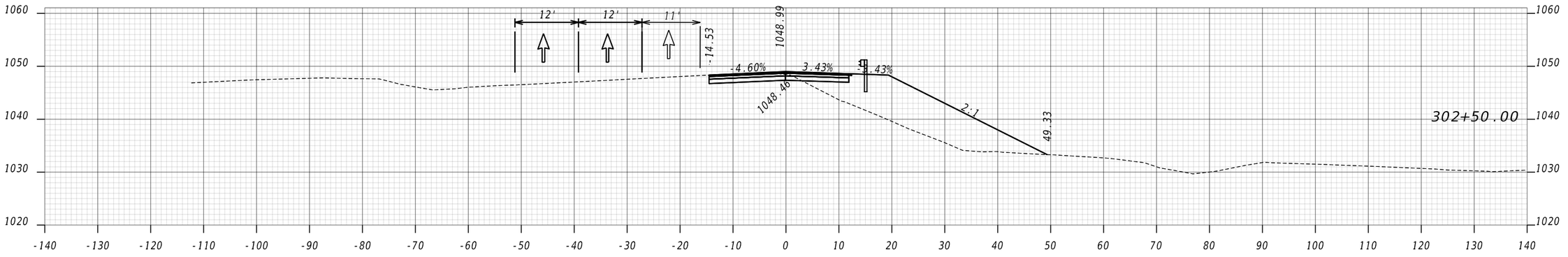
VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

CONSTRUCTION STAGING CROSS-SECTIONS
US 78 WESTBOUND EXIT RAMP
STAGE 1B

19-0037




ATLAS
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770.263.5945

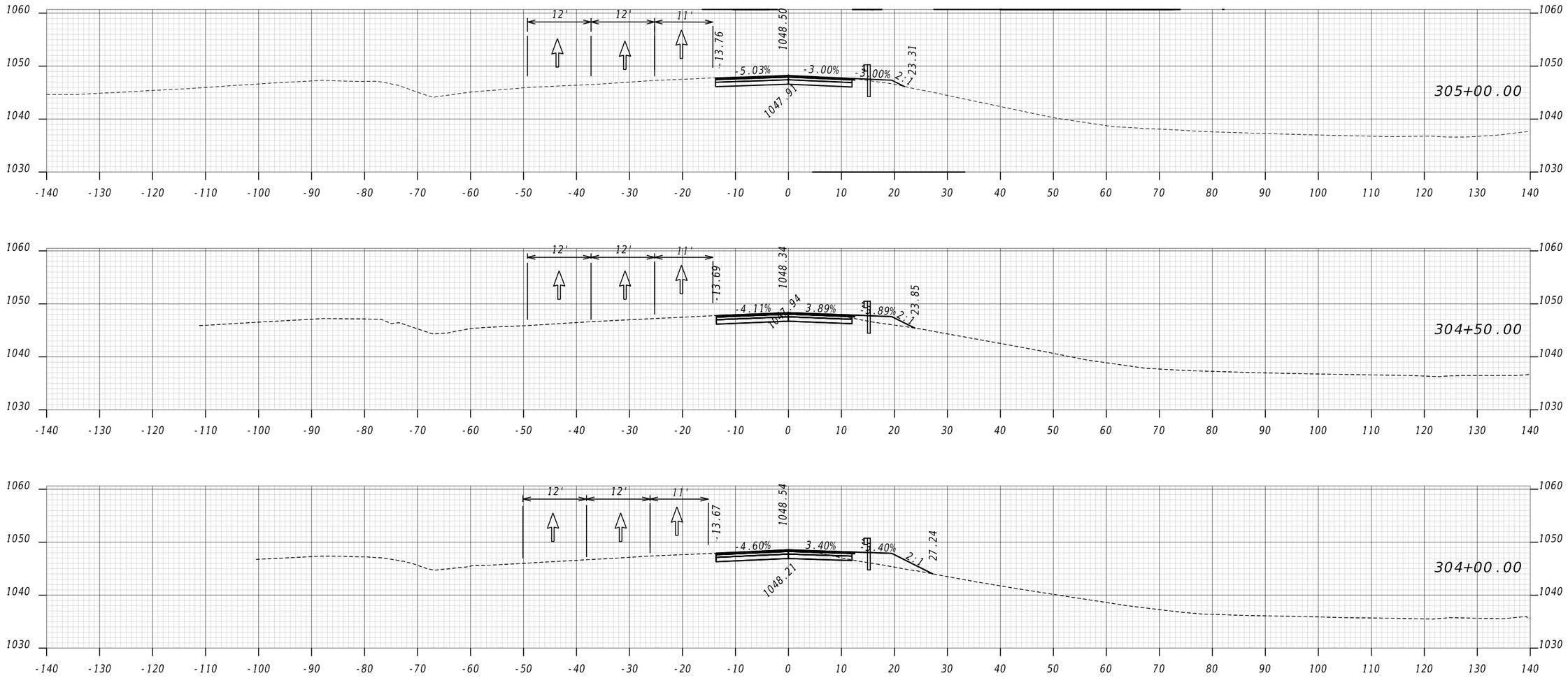
VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

CONSTRUCTION STAGING CROSS-SECTIONS
US 78 WESTBOUND EXIST RAMP
STAGE 1B

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0038 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

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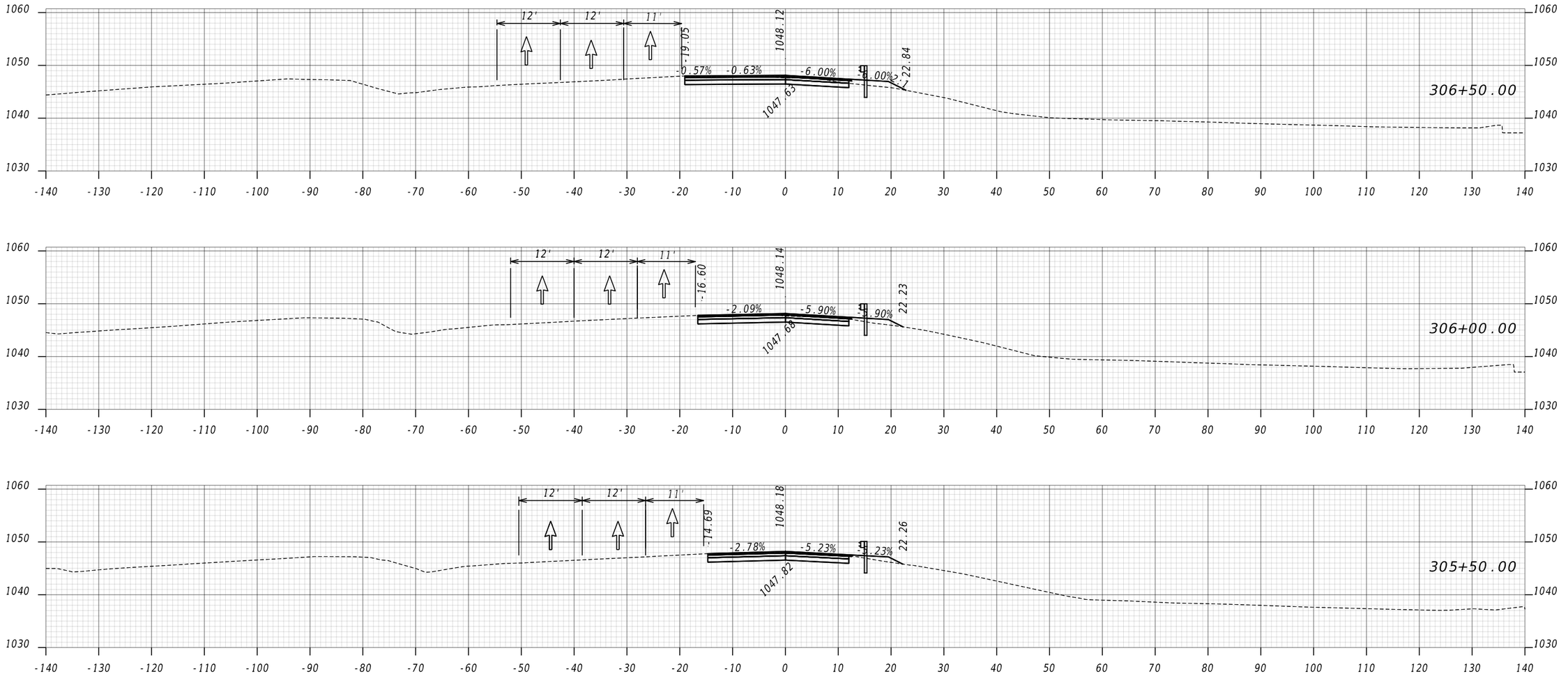
VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

# CONSTRUCTION STAGING CROSS-SECTIONS
## US 78 WESTBOUND EXIT RAMP
## STAGE 1B

19-0039

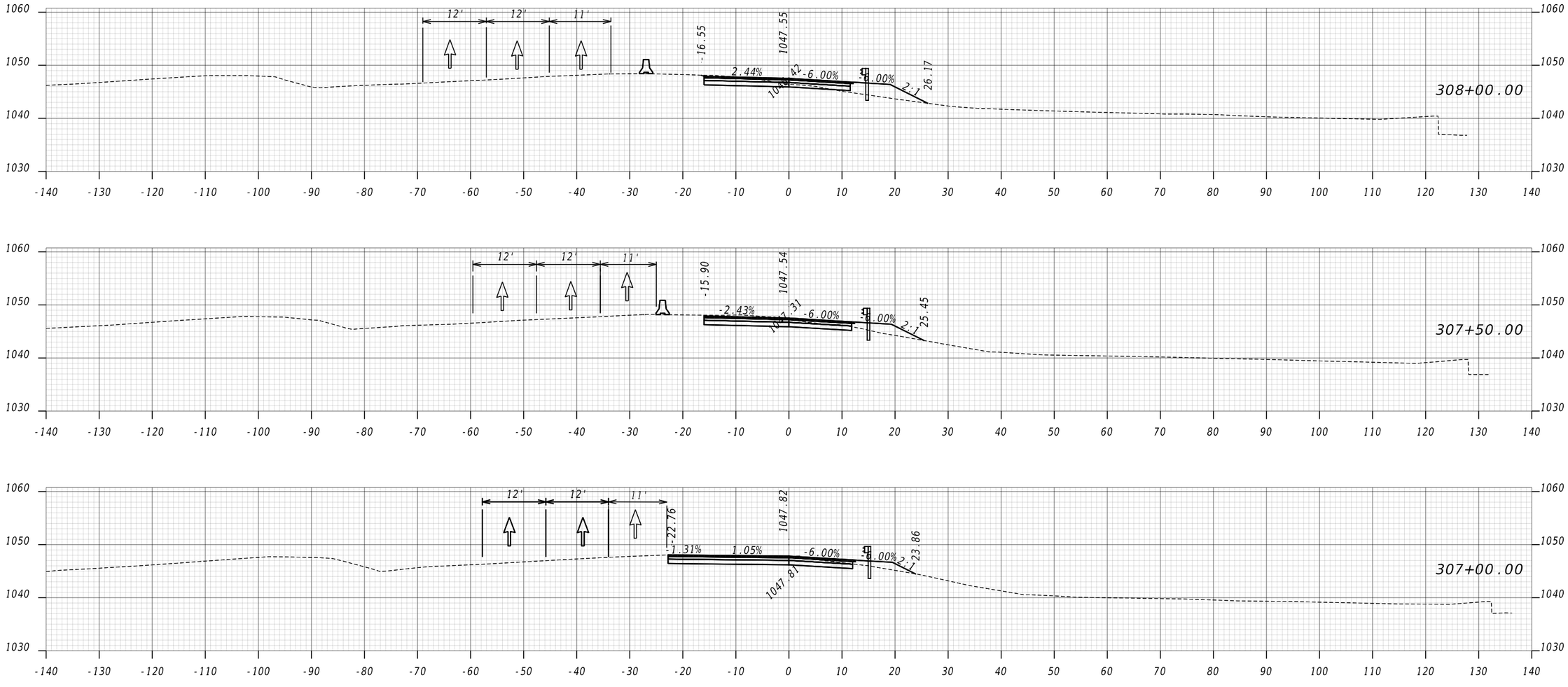



ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

# CONSTRUCTION STAGING CROSS-SECTIONS
## US 78 WESTBOUND EXIT RAMP
## STAGE 1B

19-0040

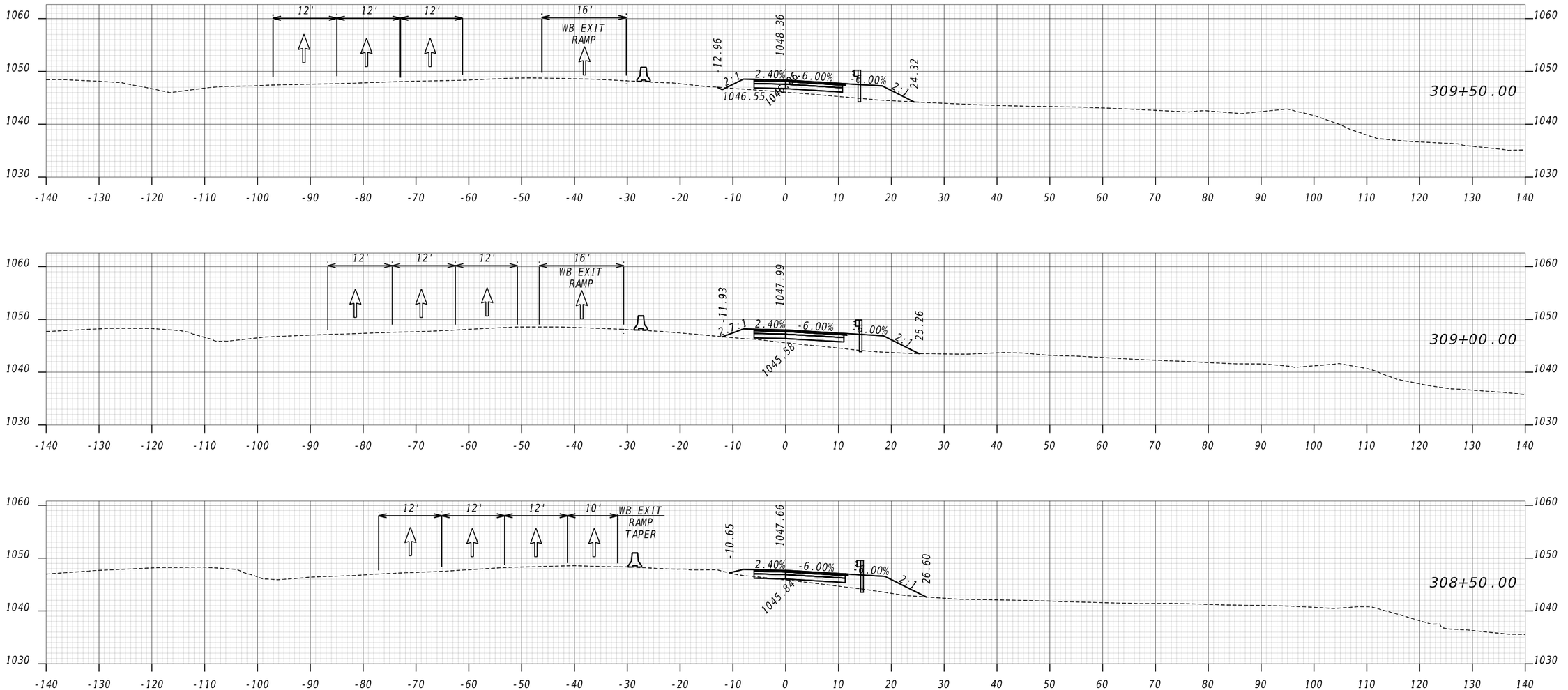



ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

CONSTRUCTION STAGING CROSS-SECTIONS
US 78 WESTBOUND EXIT RAMP
STAGE 1B

19-0041

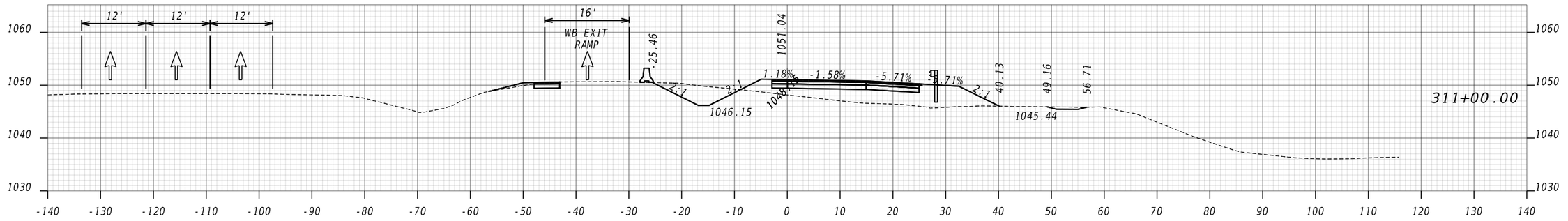


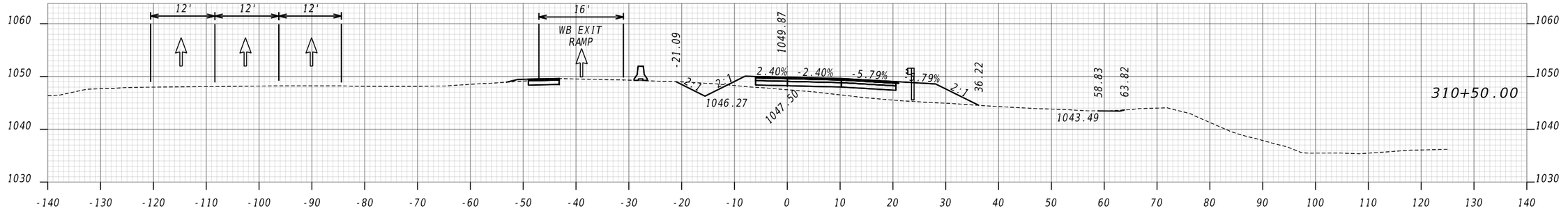

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

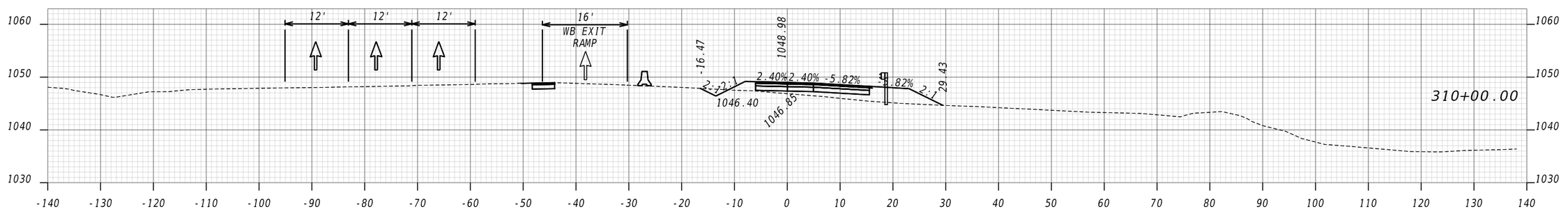
VERTICAL 1" = 20' HORIZONTAL 1" = 20'

CONSTRUCTION STAGING CROSS-SECTIONS
US 78 WESTBOUND EXIT RAMP
STAGE 1B

19-0042




ATLAS
2450 Commerce Avenue
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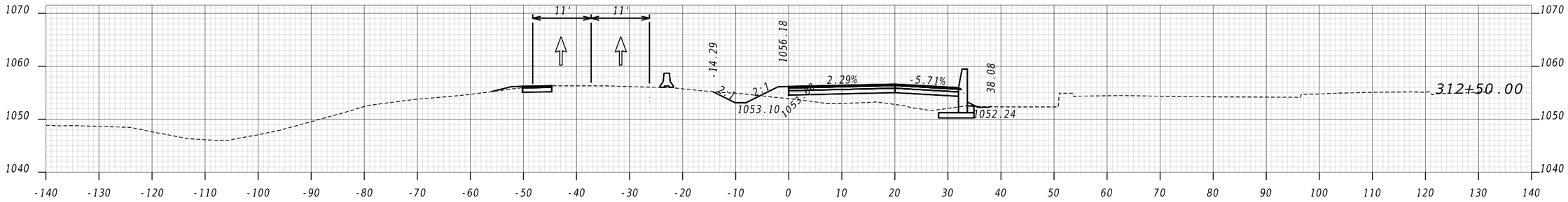
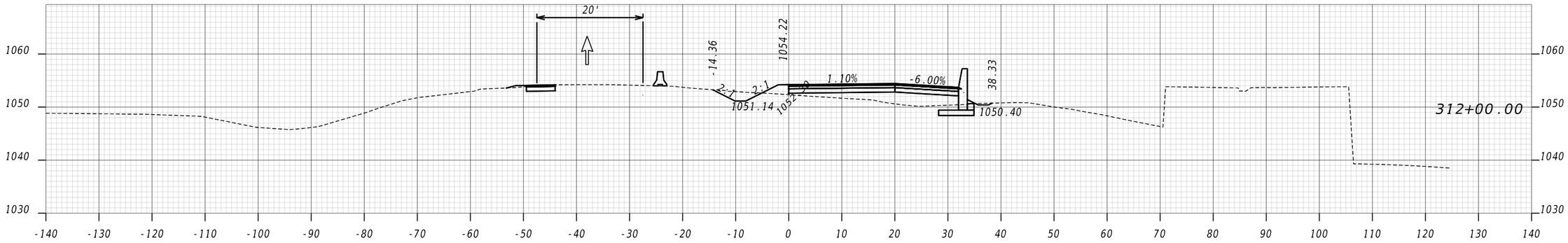
Duluth, Georgia 30096
770.263.5945

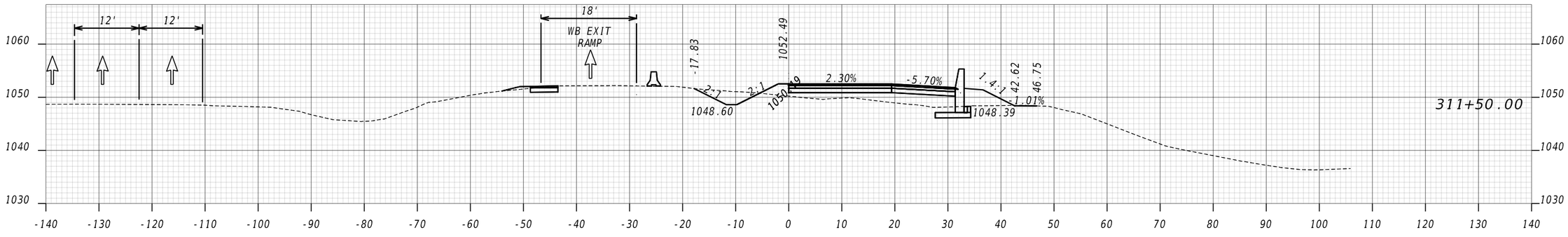
VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

CONSTRUCTION STAGING CROSS-SECTIONS
US 78 WESTBOUND EXIT RAMP
STAGE 1B

19-0043




ATLAS
2450 Commerce Avenue
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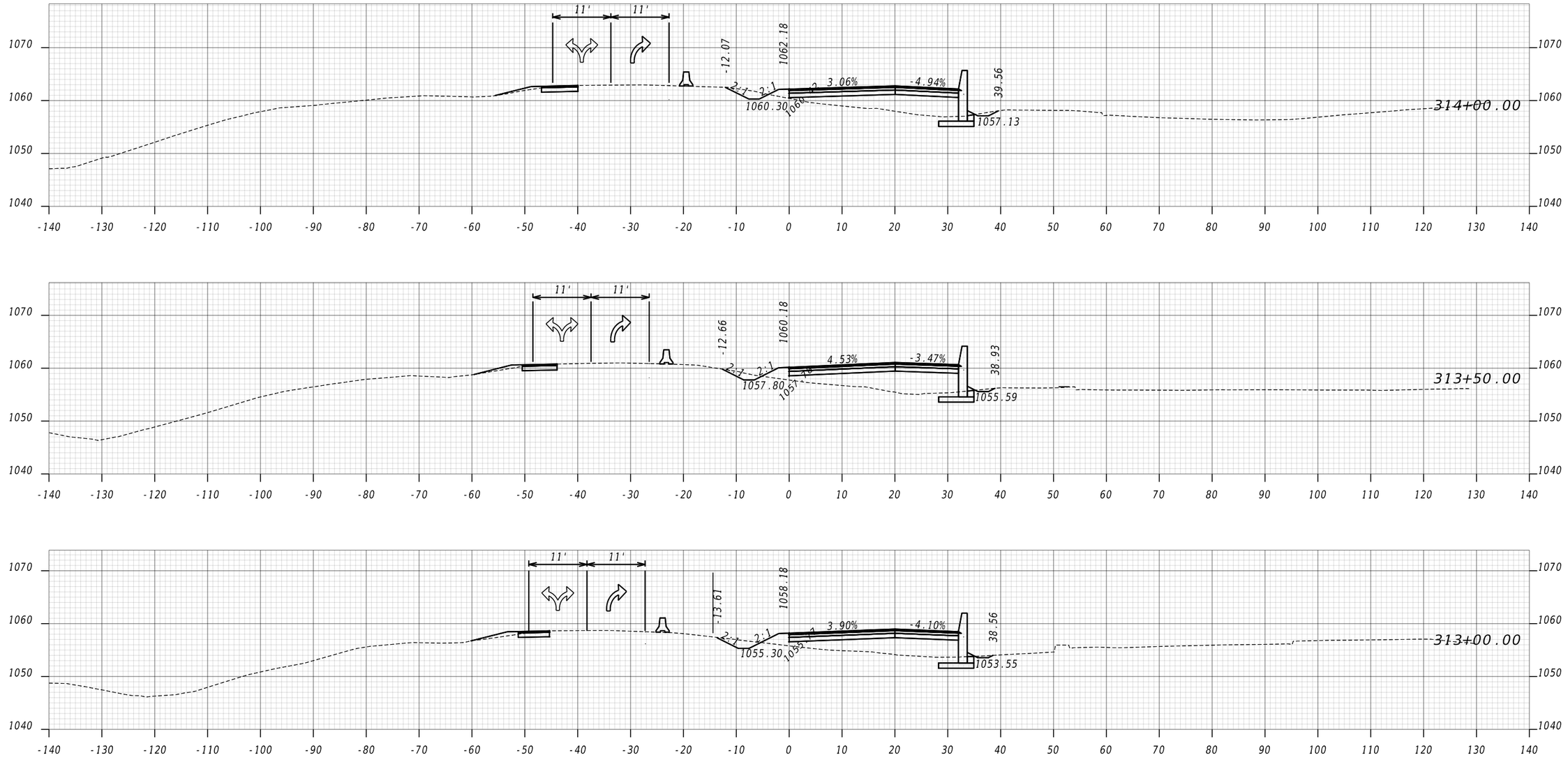
Duluth, Georgia 30096
770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

CONSTRUCTION STAGING CROSS-SECTIONS
US 78 WESTBOUND EXIT RAMP
STAGE 1B

19-0044

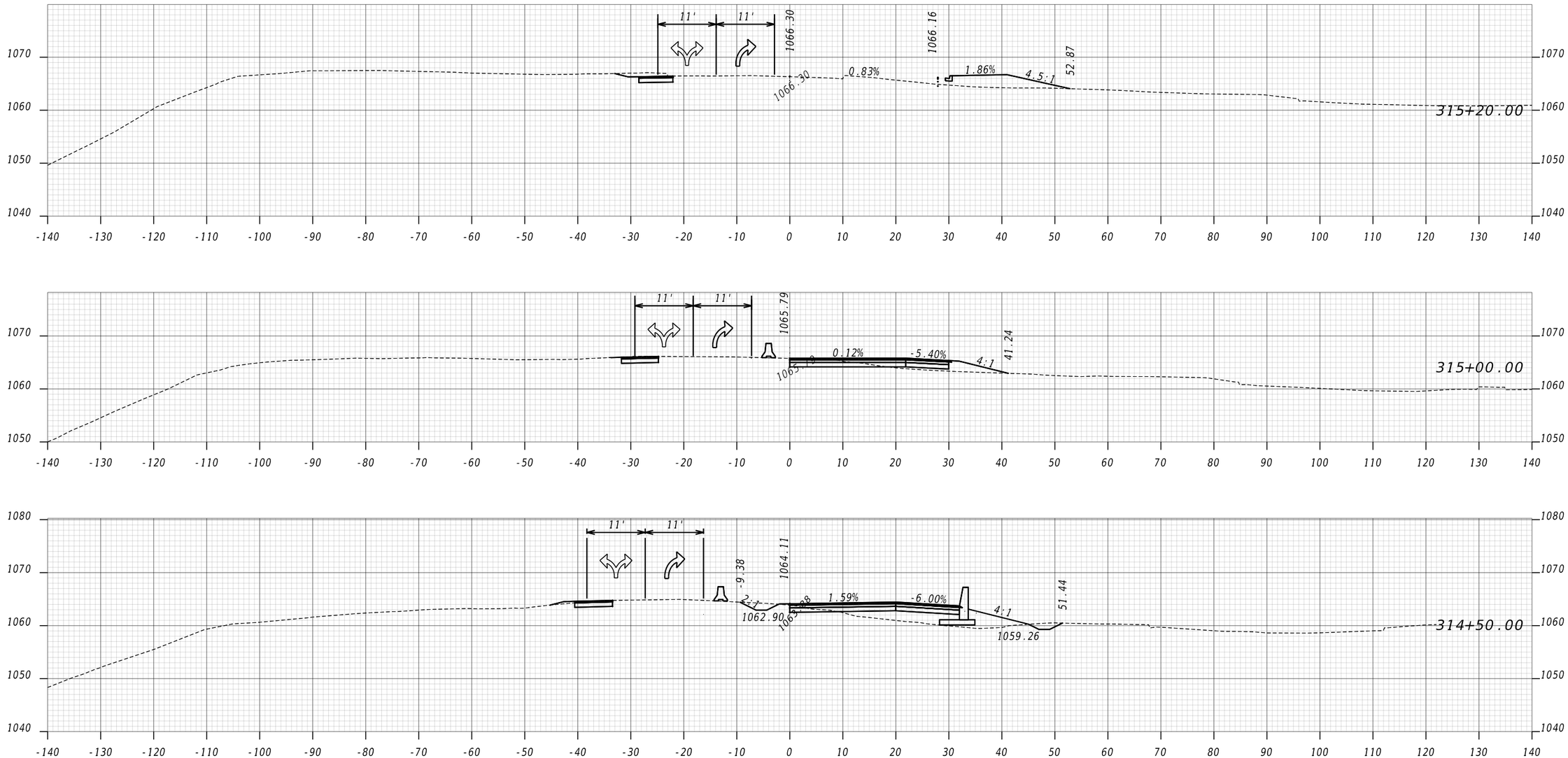



ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

# CONSTRUCTION STAGING CROSS-SECTIONS
## US 78 WESTBOUND EXIT RAMP
## STAGE 1B

19-0045




ATLAS
2450 Commerce Avenue
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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

# CONSTRUCTION STAGING CROSS-SECTIONS
## US 78 WESTBOUND EXIT RAMP
## STAGE 1B

19-0046

BEGIN PROJECT
PI#0017399
MOUNTAIN IND. BLVD
STA 89+50.00
N 1393903.142
E 2287063.196

BEGIN CONSTRUCTION
STA.90+41.19
N 1393974.651
E 2287006.615

BEGIN MILL & INLAY
STA 91+05.67

N38°32'26.3"W

CURVE #2

EXIST R/W

90+00 91+00 92+00 93+00 94+00 95+00

A-2 A-1

18'

26'

MATCH LINE STA. 95+50.00 DRAWING No. 19-0048

BSW B

EXIST R/W

## LEGEND

- OPEN LANES OF TRAFFIC
- PERMANENT FULL DEPTH CONSTRUCTION
- PERMANENT MILL/OVERLAY CONSTRUCTION
- ORANGE BARRIER FENCE
- RAISED MEDIAN CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT
- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

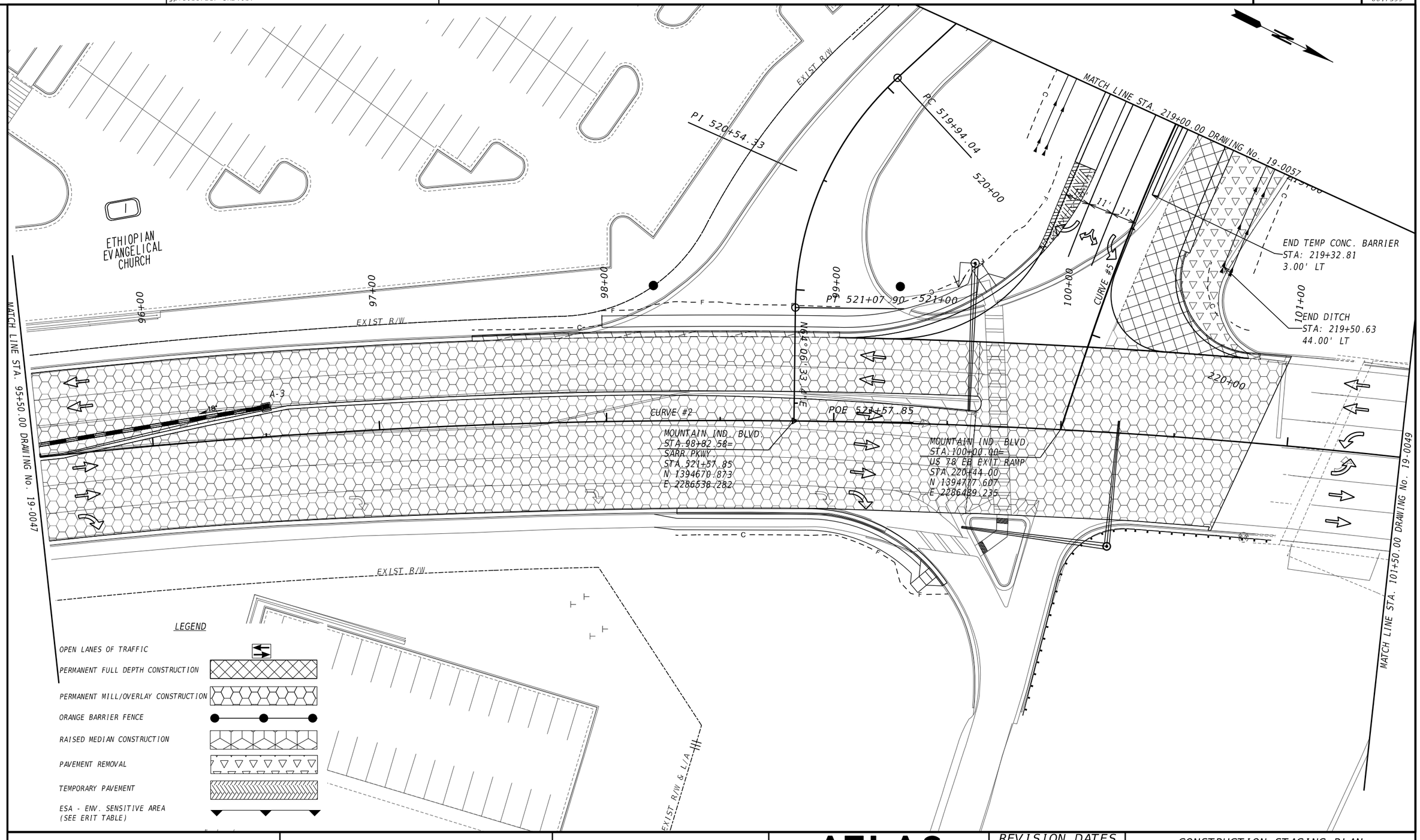
SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0047 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020




ATLAS
2450 Commerce Avenue
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770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
## US 78 AT MOUNTAIN IND. BLVD.
## STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0048 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

418+00
END EXIST
CONC APPR SLAB
BEGIN MILL & INLAY
STA.104+07.00
MOUNTAIN IND. BLVD.
STA.104+85.97=
US 78 WB EXIT RAMP
STA 316+01.31
N 1395237.952
E 2286335.441
L/A FENCE
EXIST R/W & L/A
ELA
102+00
103+00
104+00
105+00
106+00
107+00
MATCH LINE STA. 101+50.00 DRAWING No. 19-0048
429+00
316+00
CURVE #2
420+00
I-1
PROP. 10' PED POLE
STA.104+82.50
52.75' RT
N13°56'34.0"W
CURVE #3
MATCH LINE STA. 107+50.00 DRAWING No. 19-0050
PROP. 10' PED POLE
STA.104+25.69
49.55' RT
END TEMP CONC. BARRIER
STA: 314+80.36
3.50' RT
CURVE #6
11'
11'
315+00
EXIST R/W & L/A
EXIST R/W
MATCH LINE STA. 314+50.00 DRAWING No. 19-0053

LEGEND

- OPEN LANES OF TRAFFIC
- PERMANENT FULL DEPTH CONSTRUCTION
- PERMANENT MILL/OVERLAY CONSTRUCTION
- ORANGE BARRIER FENCE
- RAISED MEDIAN CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT
- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ATLAS
2450 Commerce Avenue
Suite 100
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770.263.5945

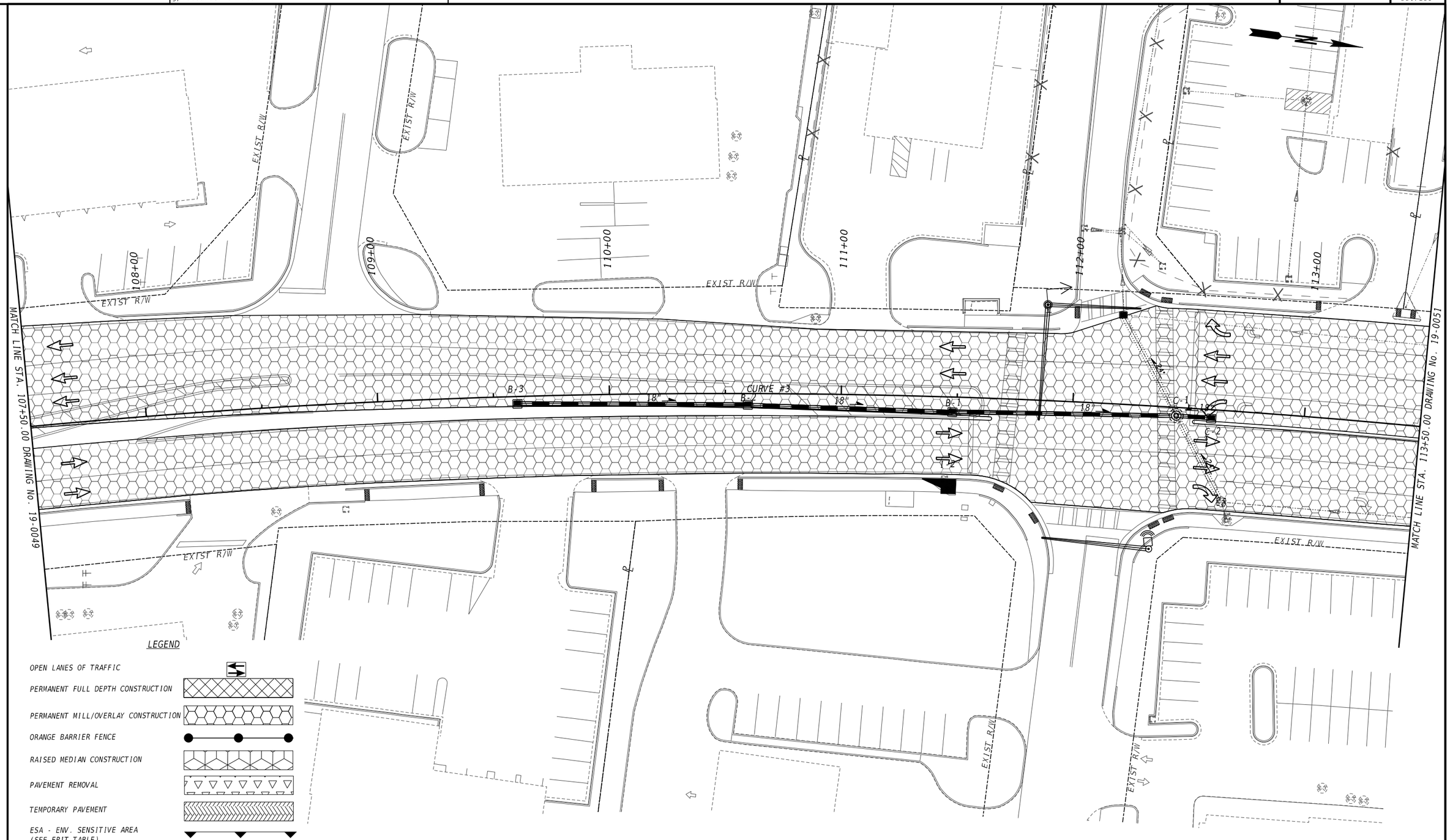
SCALE IN FEET
0 20 40 80

REVISION DATES

CONSTRUCTION STAGING PLAN
US 78 AT MOUNTAIN IND. BLVD.
STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0049 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020




ATLAS
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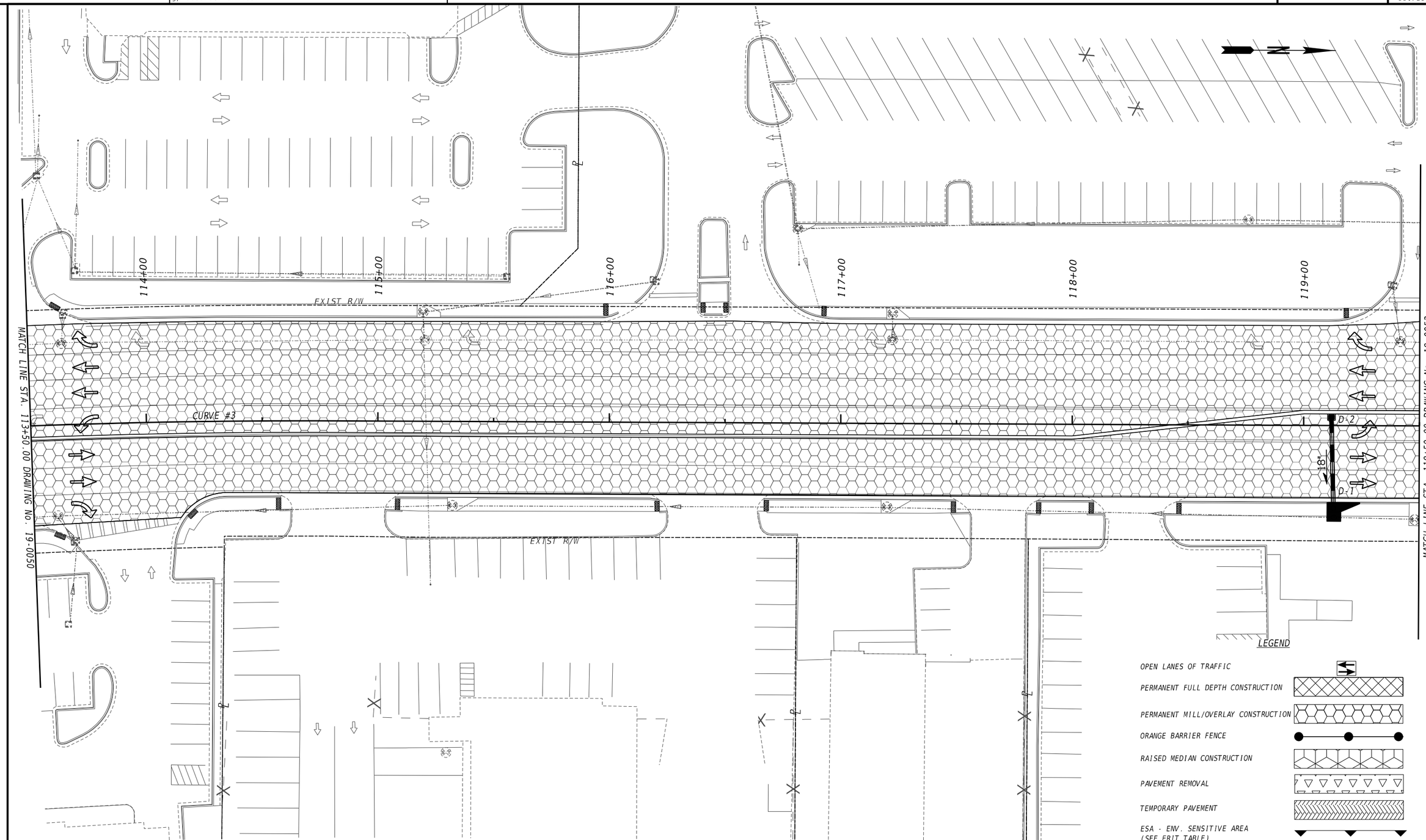
SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0050 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020




ATLAS
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Suite 100
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770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0051 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

MATCH LINE STA. 119+50.00 DRAWING No. 19-0051

MATCH LINE STA. 125+50.00 DRAWING No. 19-0053

2

SAMS REAL ESTATE
BUSINESS TRT

120+00 121+00 122+00 123+00 124+00 125+00

EXIST R/W

REOD R/W

EXIST R/W

18"

18"

E-1

E-2

N00°03'10.4"E

END MILL & INLAY
STA.125+02.10

EXIST R/W

EXIST R/W

EXIST R/W

EXIST R/W

EXIST R/W

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## LEGEND

- OPEN LANES OF TRAFFIC
- PERMANENT FULL DEPTH CONSTRUCTION
- PERMANENT MILL/OVERLAY CONSTRUCTION
- ORANGE BARRIER FENCE
- RAISED MEDIAN CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT
- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ATLAS
2450 Commerce Avenue
Suite 100
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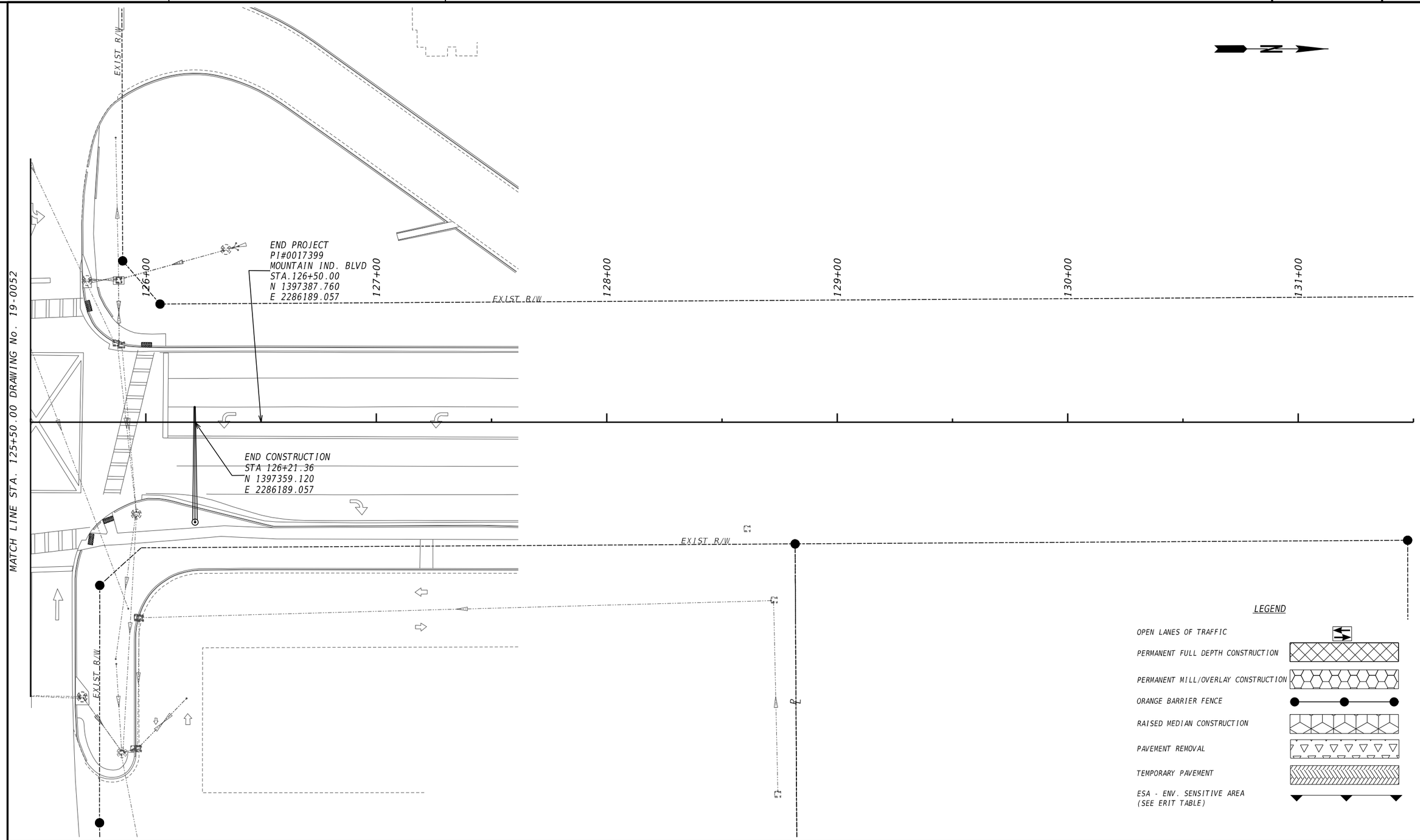
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0052 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |




ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET

0 20 40 80

REVISION DATES

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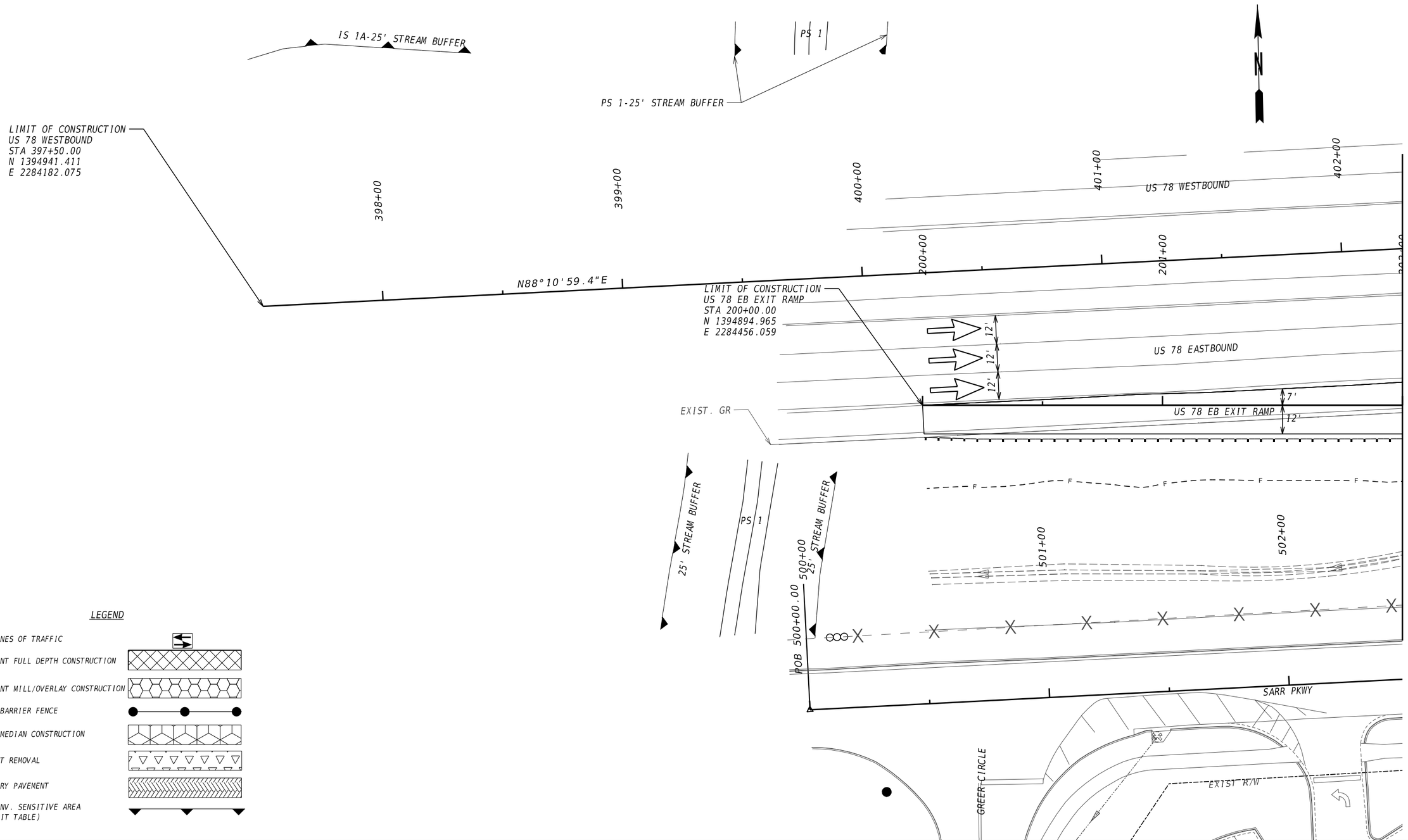
# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0053 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020




LEGEND

- OPEN LANES OF TRAFFIC
- PERMANENT FULL DEPTH CONSTRUCTION
- PERMANENT MILL/OVERLAY CONSTRUCTION
- ORANGE BARRIER FENCE
- RAISED MEDIAN CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT
- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

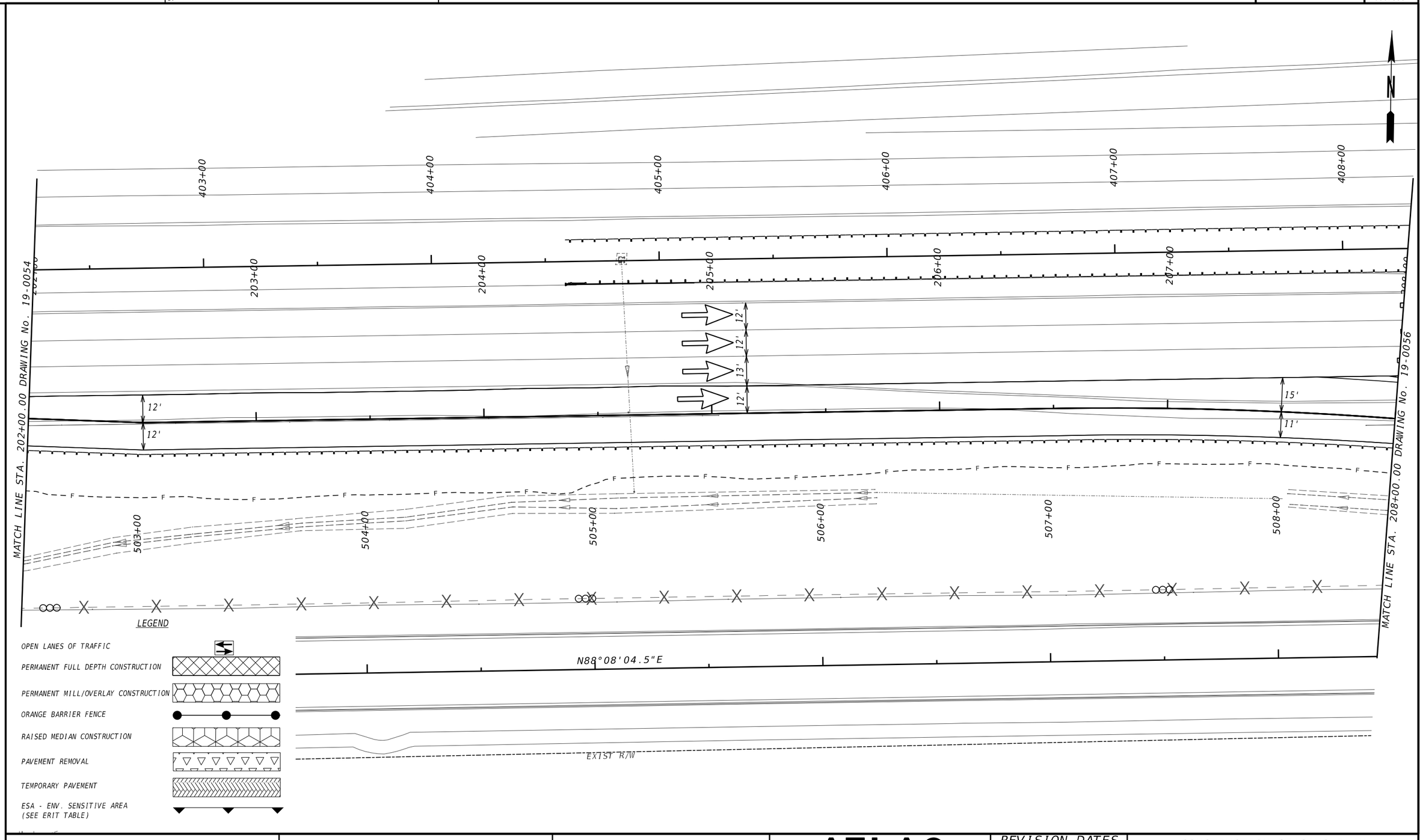
SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0054 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

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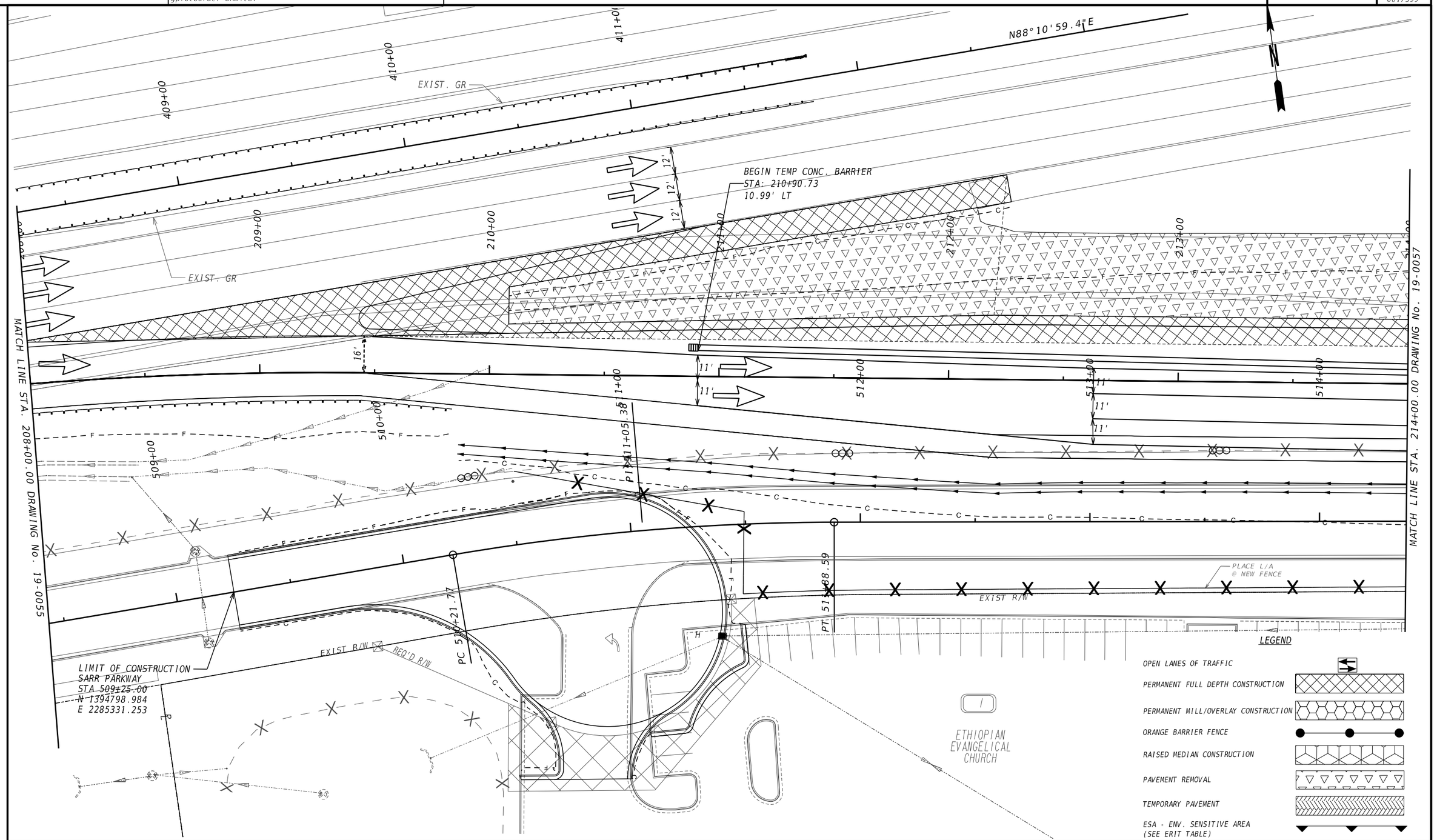
SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
## US 78 AT MOUNTAIN IND. BLVD.
## STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0055 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020




LEGEND

- OPEN LANES OF TRAFFIC
- PERMANENT FULL DEPTH CONSTRUCTION
- PERMANENT MILL/OVERLAY CONSTRUCTION
- ORANGE BARRIER FENCE
- RAISED MEDIAN CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT
- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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770.263.5945

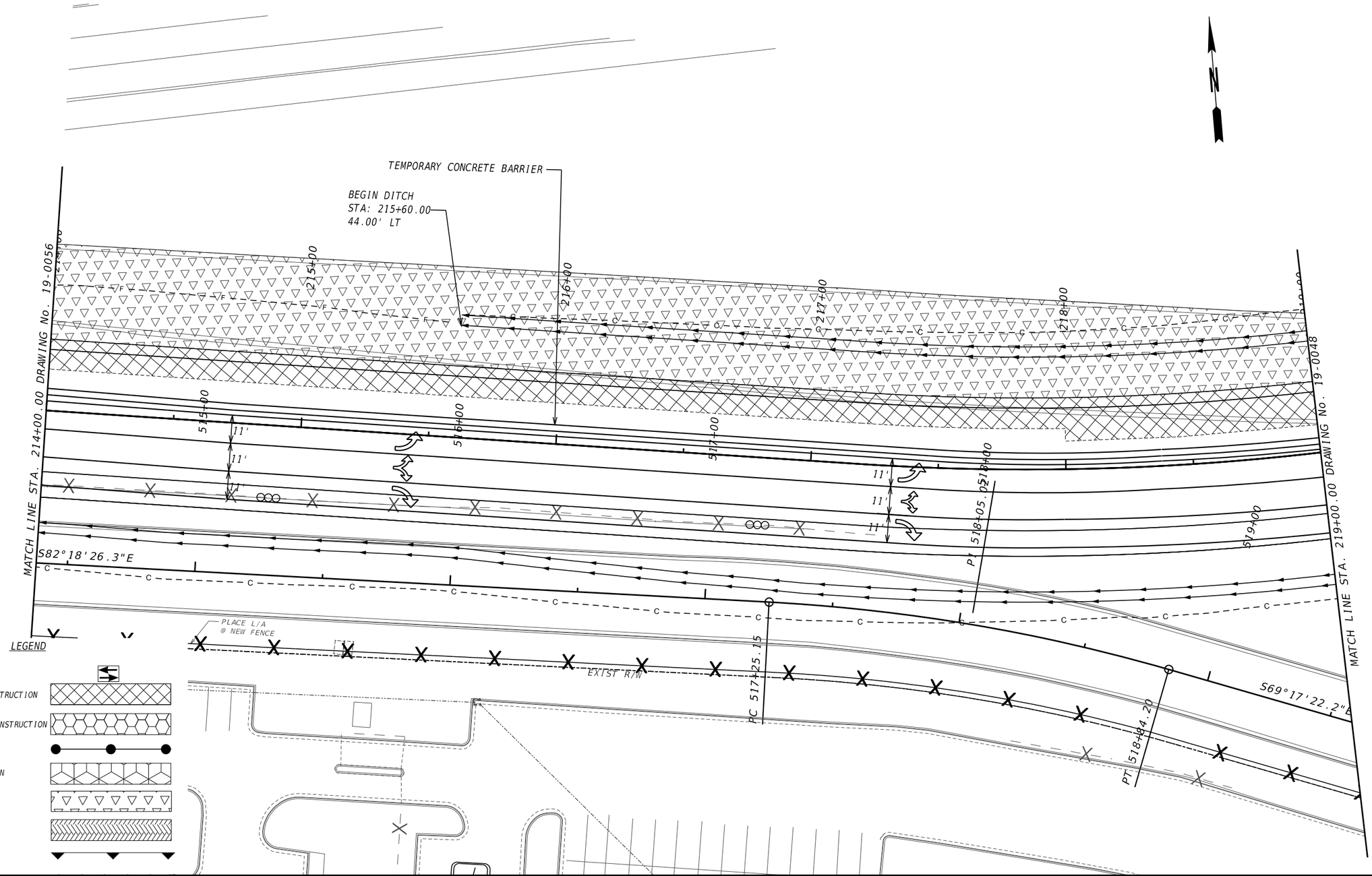
SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0056 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

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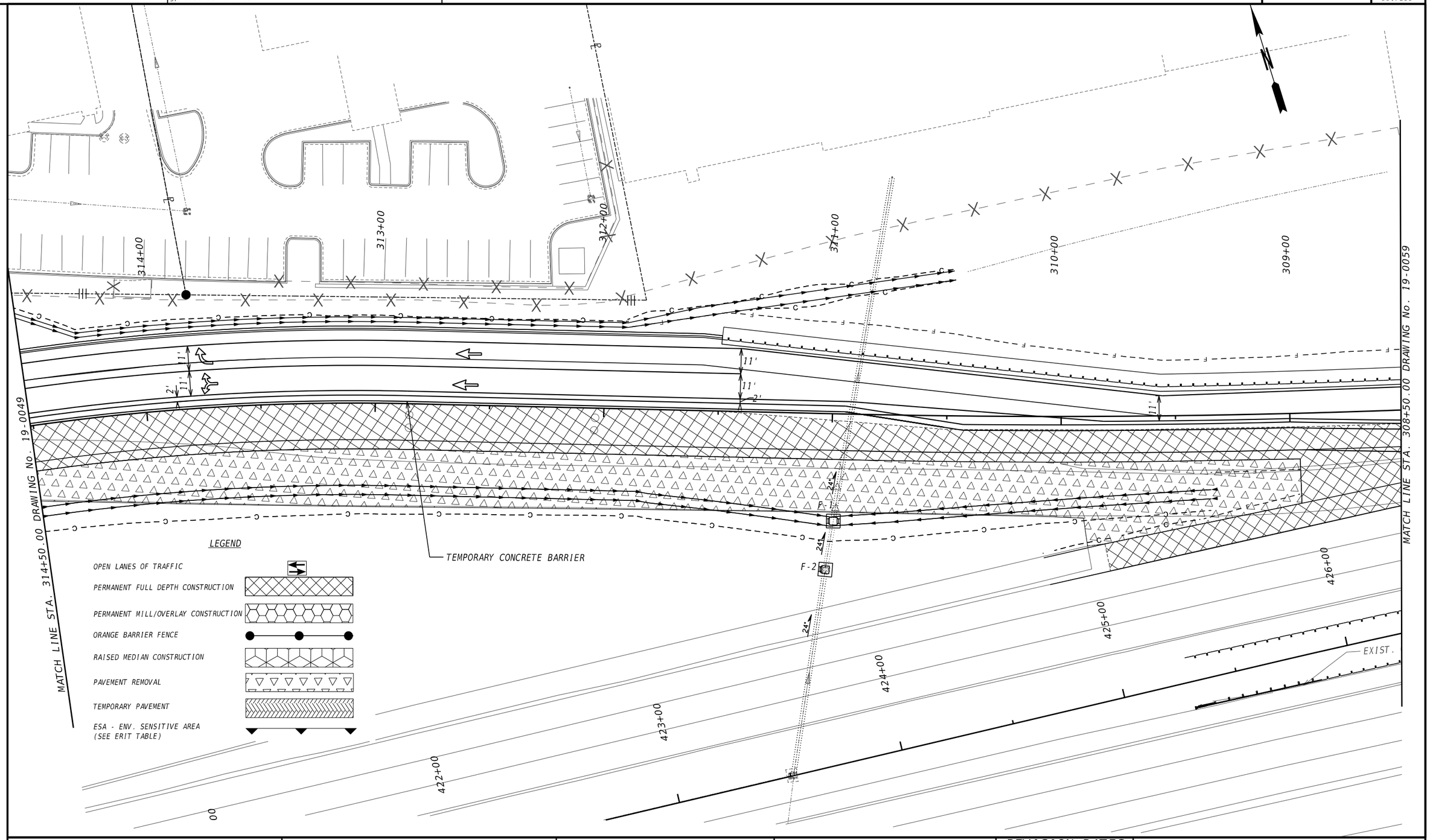
SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0057 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/03/2020

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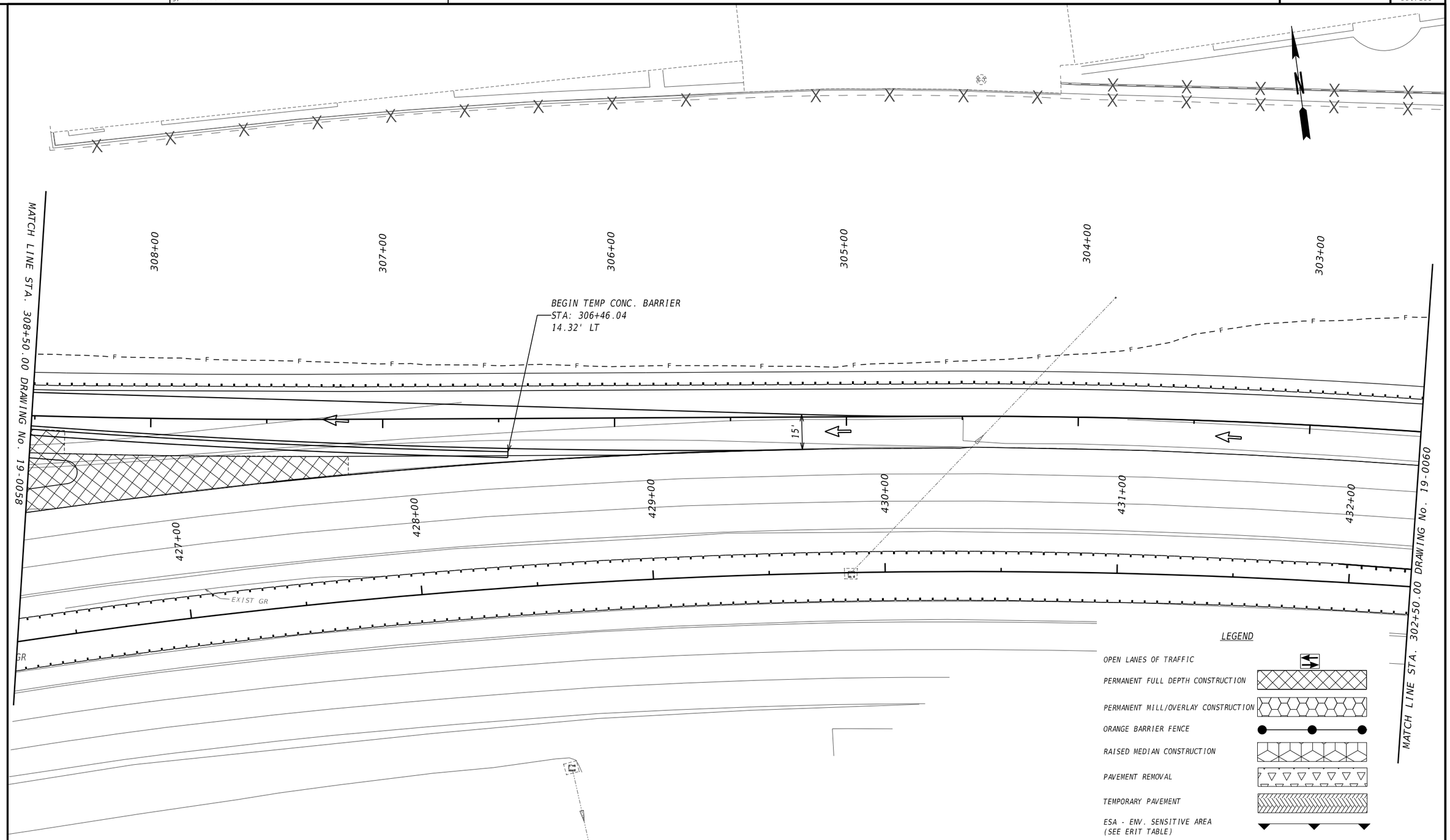
SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 19-0058 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

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SCALE IN FEET

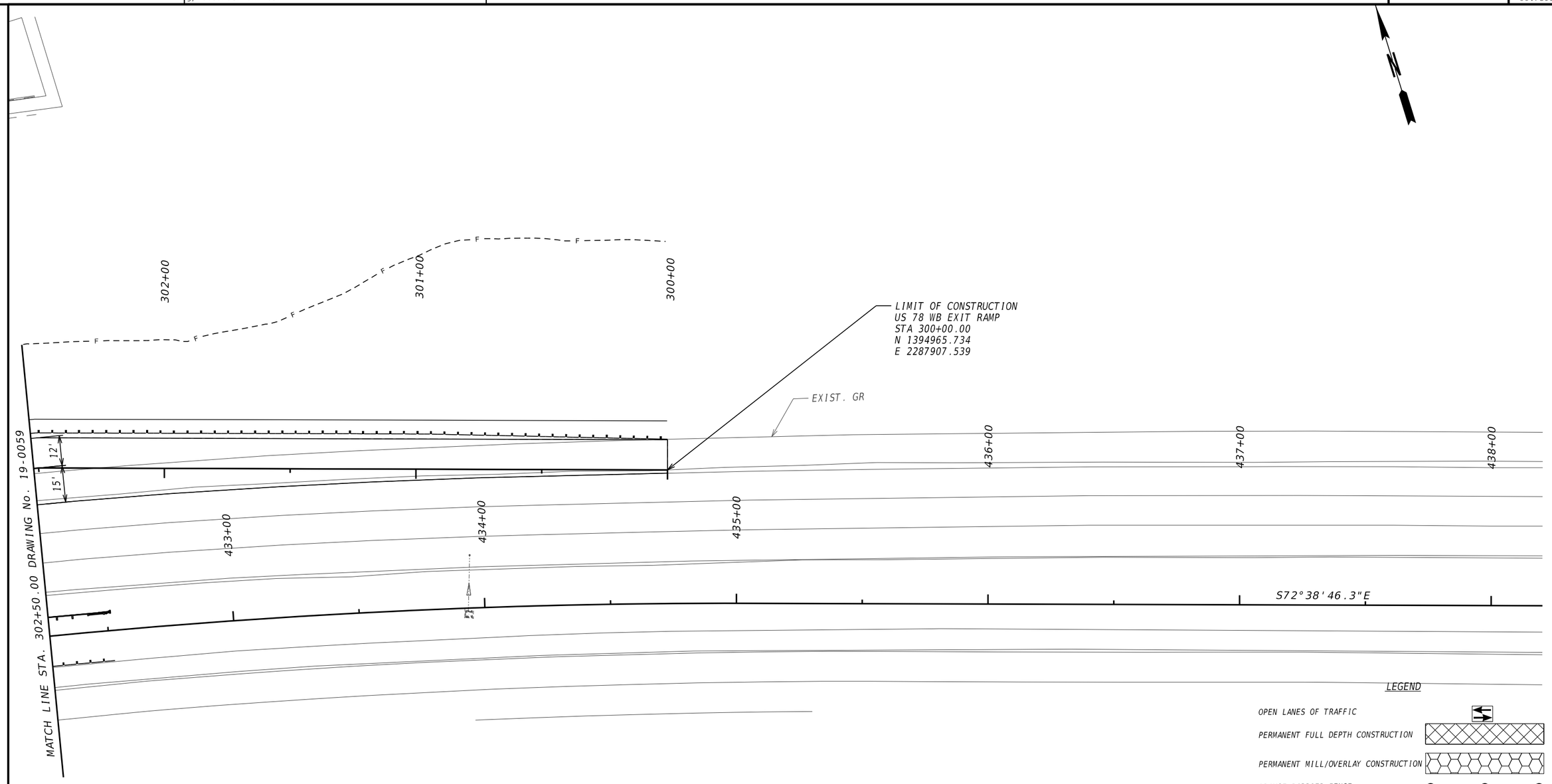
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | |
| CORRECTED: | | DATE: | | 19-0059 |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020




LEGEND

- OPEN LANES OF TRAFFIC
- PERMANENT FULL DEPTH CONSTRUCTION
- PERMANENT MILL/OVERLAY CONSTRUCTION
- ORANGE BARRIER FENCE
- RAISED MEDIAN CONSTRUCTION
- PAVEMENT REMOVAL
- TEMPORARY PAVEMENT
- ESA - ENV. SENSITIVE AREA (SEE ERIT TABLE)

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2450 Commerce Avenue
Suite 100
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770.263.5945

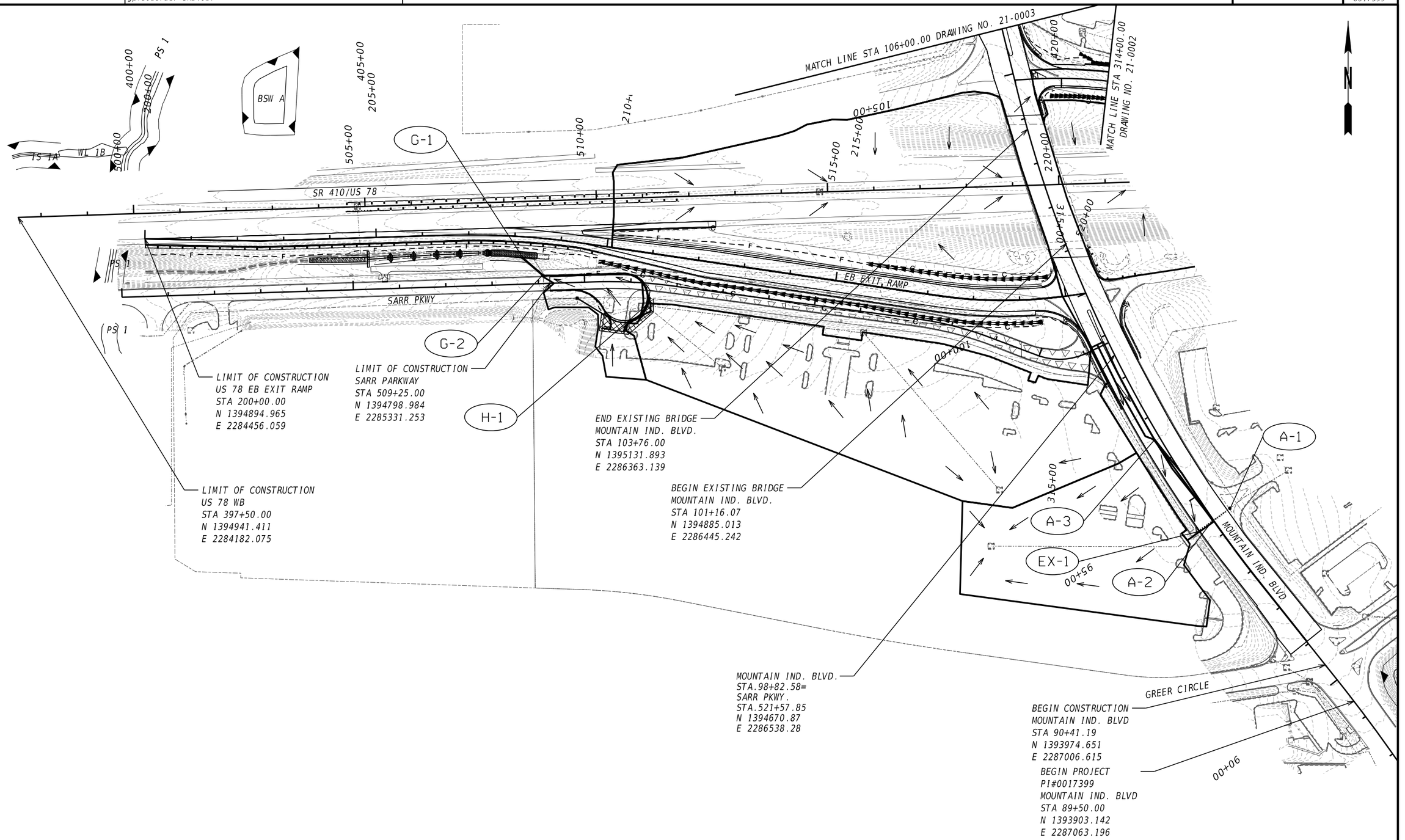
SCALE IN FEET
0 20 40 80

REVISION DATES

# CONSTRUCTION STAGING PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# STAGE 2

| | | | |
|---|---|---|---|
| CHECKED: | | DATE: | DRAWING No. |
| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | 19-0060 |
| VERIFIED: | | DATE: | |

GPLN-CE
11/05/2020

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SCALE IN FEET

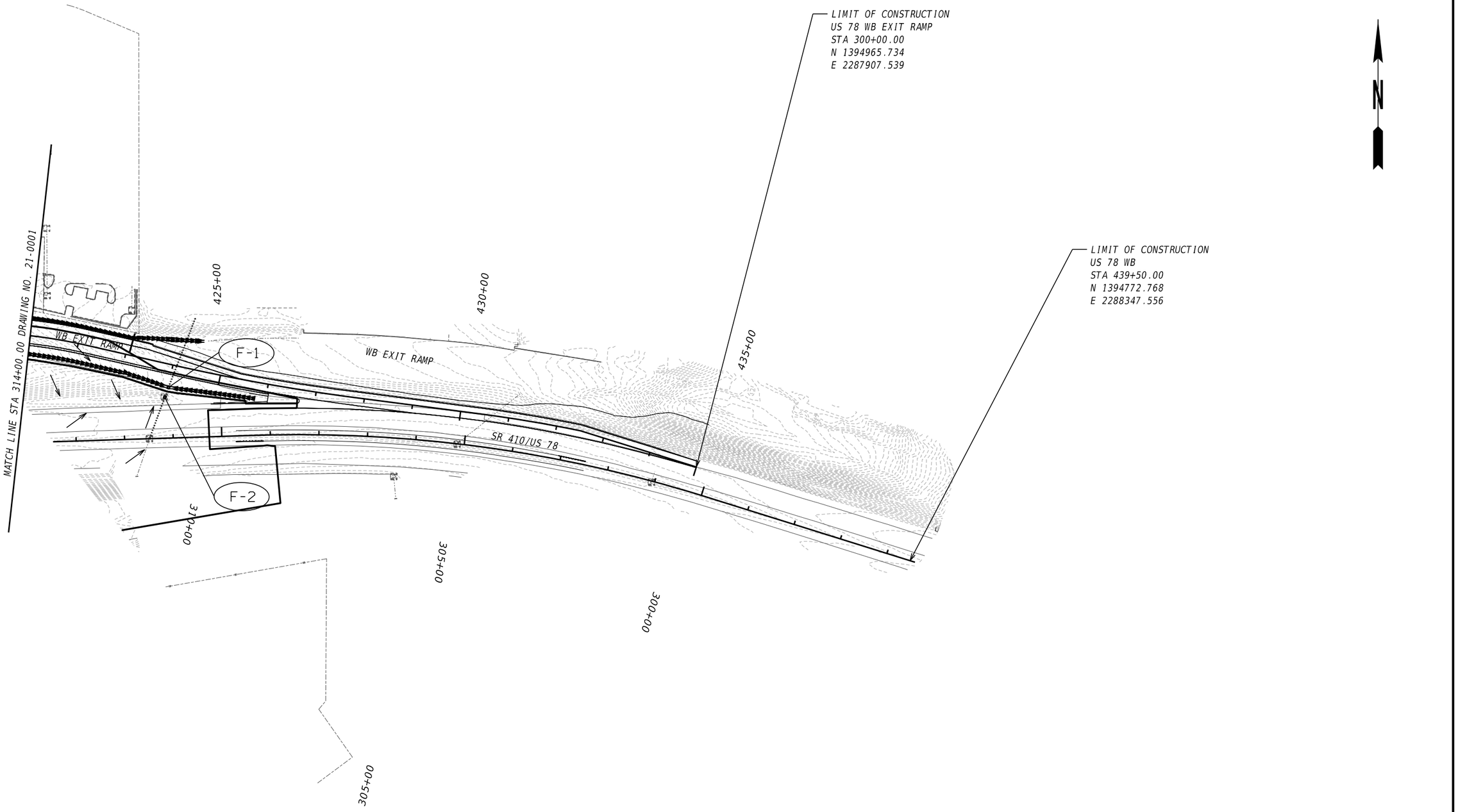
0 100 200 400

REVISION DATES

# DRAINAGE AREA MAP
## US 78 AT MOUNTAIN IND. BLVD.
## CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 21-0001 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

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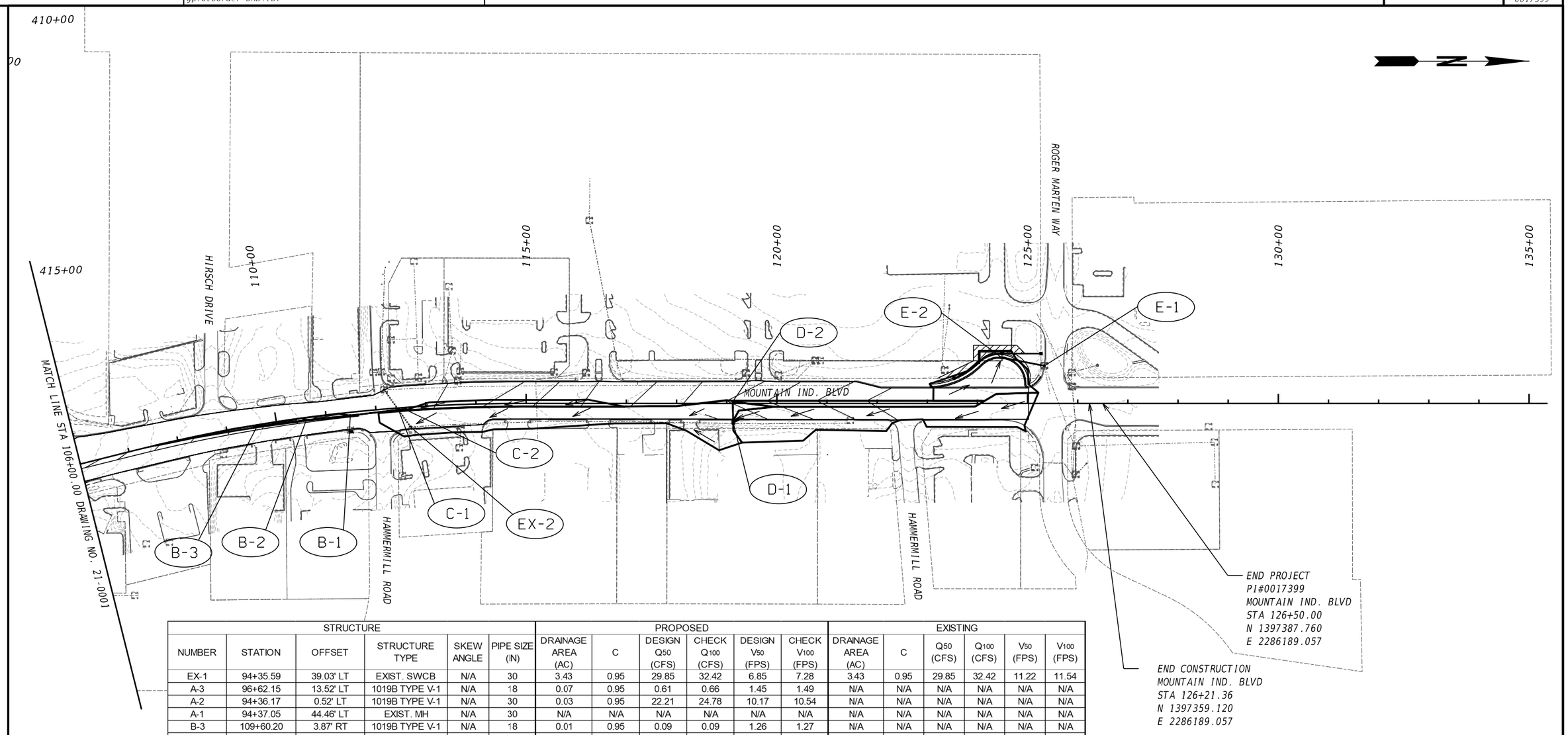
SCALE IN FEET
0 100 200 400

REVISION DATES

DRAINAGE AREA MAP
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 21-0002 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020




| STRUCTURE | | | | | | PROPOSED | | | | | | EXISTING | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NUMBER | STATION | OFFSET | STRUCTURE TYPE | SKEW ANGLE | PIPE SIZE (IN) | DRAINAGE AREA (AC) | C | DESIGN $Q_{50}$ (CFS) | CHECK $Q_{100}$ (CFS) | DESIGN $V_{50}$ (FPS) | CHECK $V_{100}$ (FPS) | DRAINAGE AREA (AC) | C | $Q_{50}$ (CFS) | $Q_{100}$ (CFS) | $V_{50}$ (FPS) | $V_{100}$ (FPS) |
| EX-1 | 94+35.59 | 39.03' LT | EXIST. SWCB | N/A | 30 | 3.43 | 0.95 | 29.85 | 32.42 | 6.85 | 7.28 | 3.43 | 0.95 | 29.85 | 32.42 | 11.22 | 11.54 |
| A-3 | 96+62.15 | 13.52' LT | 1019B TYPE V-1 | N/A | 18 | 0.07 | 0.95 | 0.61 | 0.66 | 1.45 | 1.49 | N/A | N/A | N/A | N/A | N/A | N/A |
| A-2 | 94+36.17 | 0.52' LT | 1019B TYPE V-1 | N/A | 30 | 0.03 | 0.95 | 22.21 | 24.78 | 10.17 | 10.54 | N/A | N/A | N/A | N/A | N/A | N/A |
| A-1 | 94+37.05 | 44.46' LT | EXIST. MH | N/A | 30 | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| B-3 | 109+60.20 | 3.87' RT | 1019B TYPE V-1 | N/A | 18 | 0.01 | 0.95 | 0.09 | 0.09 | 1.26 | 1.27 | N/A | N/A | N/A | N/A | N/A | N/A |
| B-2 | 110+59.73 | 5.64' RT | 1019B TYPE V-1 | N/A | 18 | 0.01 | 0.95 | 0.08 | 0.09 | 1.15 | 1.19 | N/A | N/A | N/A | N/A | N/A | N/A |
| B-1 | 111+48.07 | 7.18' RT | 1019B TYPE V-1 | N/A | 18 | 0.01 | 0.95 | 0.10 | 0.12 | 0.85 | 0.88 | N/A | N/A | N/A | N/A | N/A | N/A |
| C-2 | 112+60.00 | 4.50' RT | 1019B TYPE V-1 | N/A | 18 | 0.12 | 0.95 | 1.04 | 1.13 | 1.99 | 2.02 | N/A | N/A | N/A | N/A | N/A | N/A |
| C-1 | 112+44.80 | 3.56' RT | 1011A | N/A | 24 | N/A | N/A | 2.81 | 3.26 | 4.04 | 4.21 | N/A | N/A | N/A | N/A | N/A | N/A |
| EX-2 | 112+66.71 | 39.40' RT | EXIST. MH | N/A | 24 | 0.78 | 0.95 | 6.79 | 7.37 | 5.10 | 5.10 | 0.78 | 0.95 | 6.79 | 7.37 | 5.22 | 5.34 |
| D-2 | 119+12.00 | 3.60' LT | 1019A TYPE A | N/A | 18 | 0.12 | 0.95 | 1.04 | 1.13 | 1.77 | 1.83 | N/A | N/A | N/A | N/A | N/A | N/A |
| D-1 | 119+12.98 | 33.24' RT | 1033D | N/A | 18 | 0.69 | 0.95 | 6.77 | 7.39 | 5.83 | 6.01 | N/A | N/A | N/A | N/A | N/A | N/A |
| E-2 | 124+49.14 | 91.99' LT | 1019B TYPE V-1 | N/A | 15 | 0.30 | 0.95 | 2.61 | 2.84 | 2.13 | 2.31 | N/A | N/A | N/A | N/A | N/A | N/A |
| E-1 | 125+32.93 | 75.10' LT | EXIST. DI | N/A | 15 | 0.40 | 0.95 | 5.94 | 6.47 | 8.43 | 8.69 | 0.40 | 0.95 | 3.48 | 3.78 | 7.07 | 7.26 |
| F-2 | 311+01.52 | 68.21' LT | EXIST. MEDIAN DI | N/A | 24 | 3.92 | 0.44 | 14.50 | 15.83 | 4.63 | 5.04 | 4.12 | 0.46 | 15.93 | 17.33 | 6.95 | 7.4 |
| F-1 | 310+98.55 | 46.93' LT | 9031S | N/A | 24 | 0.83 | 0.45 | 15.48 | 16.89 | 7.13 | 7.33 | N/A | N/A | N/A | N/A | N/A | N/A |
| G-2 | 509+09.07 | 15.78' LT | 1033D | N/A | 30 | 0.62 | 0.81 | 4.60 | 5.00 | 3.04 | 3.25 | 2.00 | 0.85 | 15.57 | 16.92 | 9.10 | 9.73 |
| H-1 | 511+37.33 | 48.25' RT | EXIST. DI | N/A | 48 | 6.02 | 0.85 | 46.87 | 50.92 | 9.54 | 9.78 | 6.02 | 0.85 | 46.87 | 50.92 | 9.21 | 9.78 |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 100 200 400

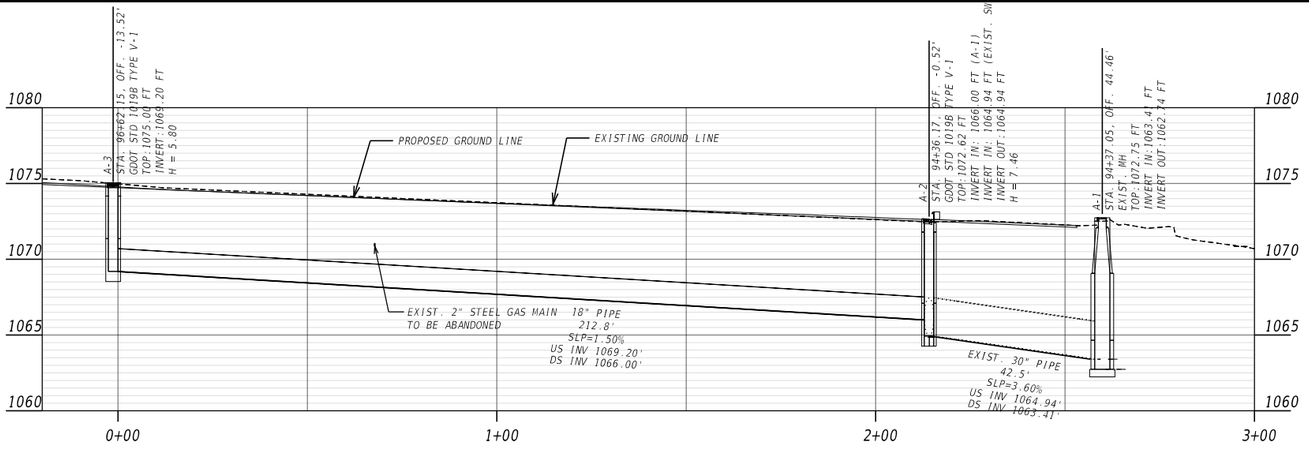
REVISION DATES

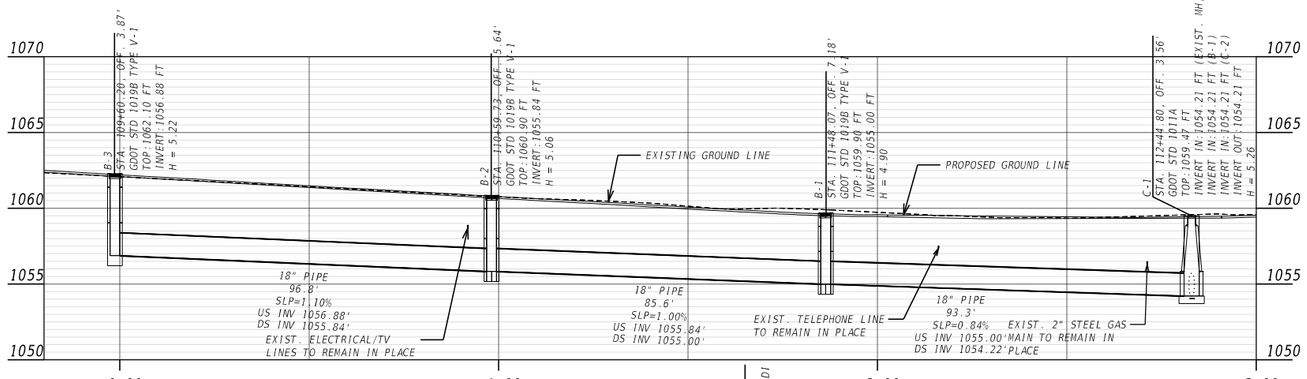
DRAINAGE AREA MAP
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

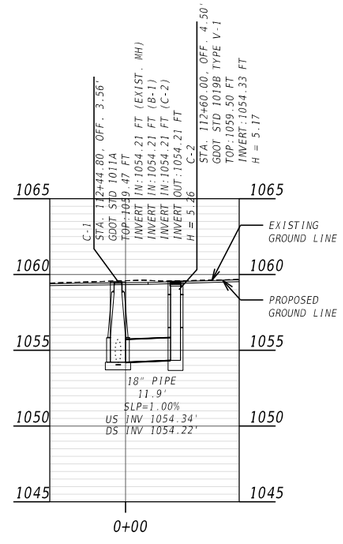
CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

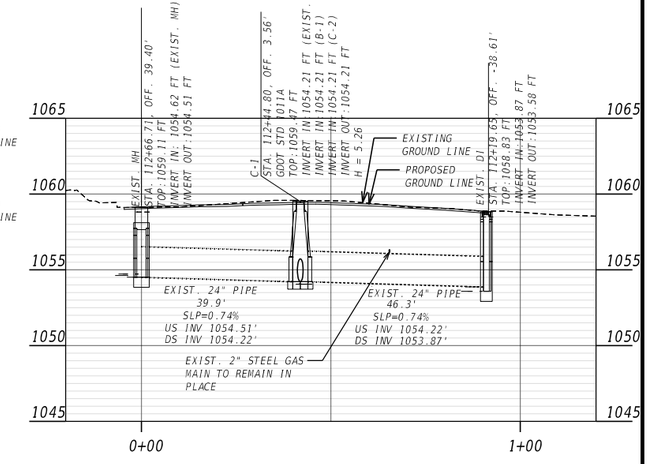
DRAWING No. 21-0003

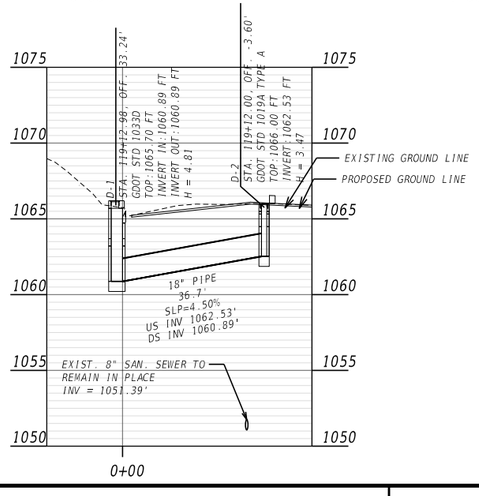
GPLN-CE 11/05/2020

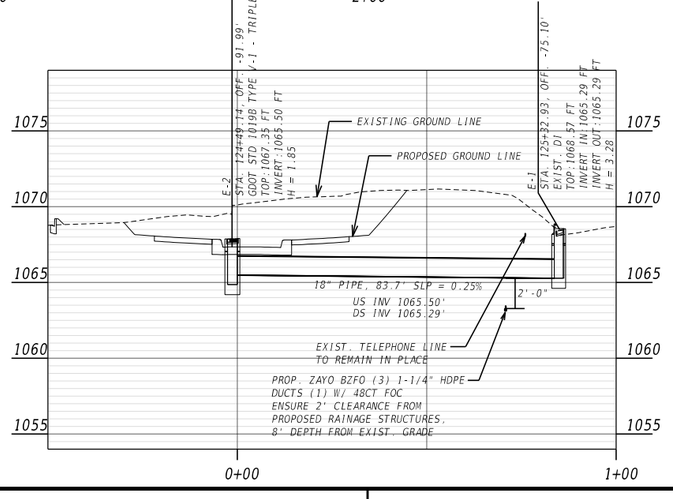


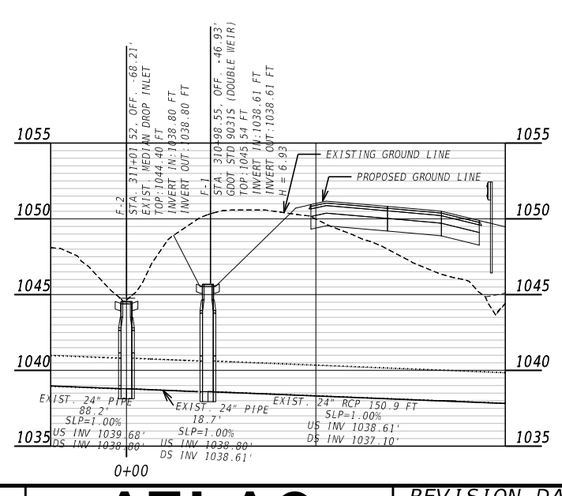



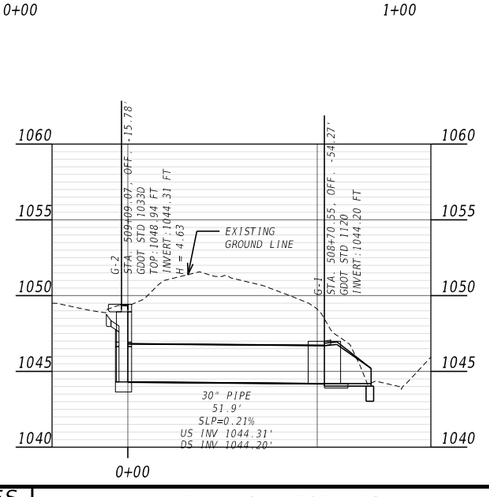

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VERTICAL 1" = 10'
HORIZONTAL 1" = 40'

REVISION DATES

DRAINAGE PROFILES
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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| CHECKED: | | DATE: | | DRAWING No. |
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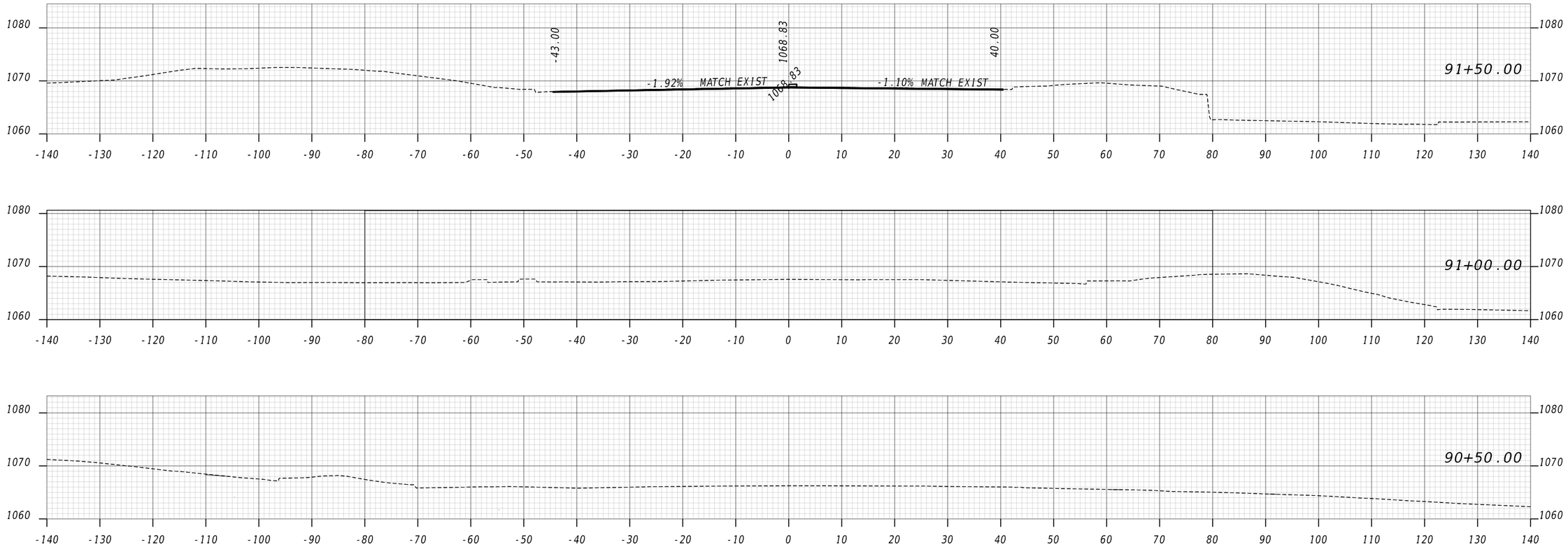


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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# MOUNTAIN INDUSTRIAL BLVD
# CITY OF TUCKER

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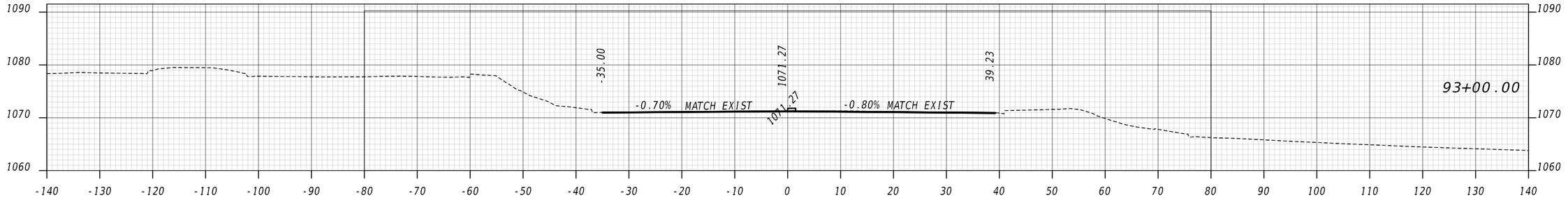


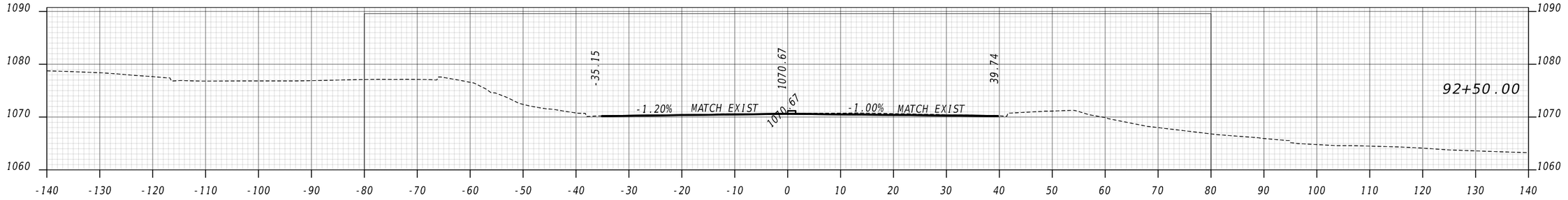


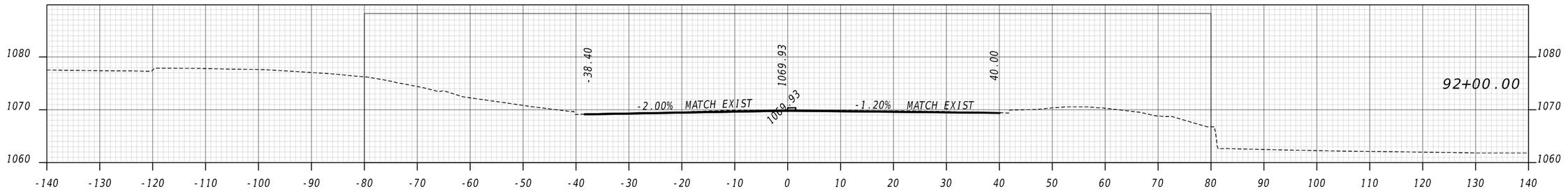


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# MOUNTAIN INDUSTRIAL BLVD
# CITY OF TUCKER

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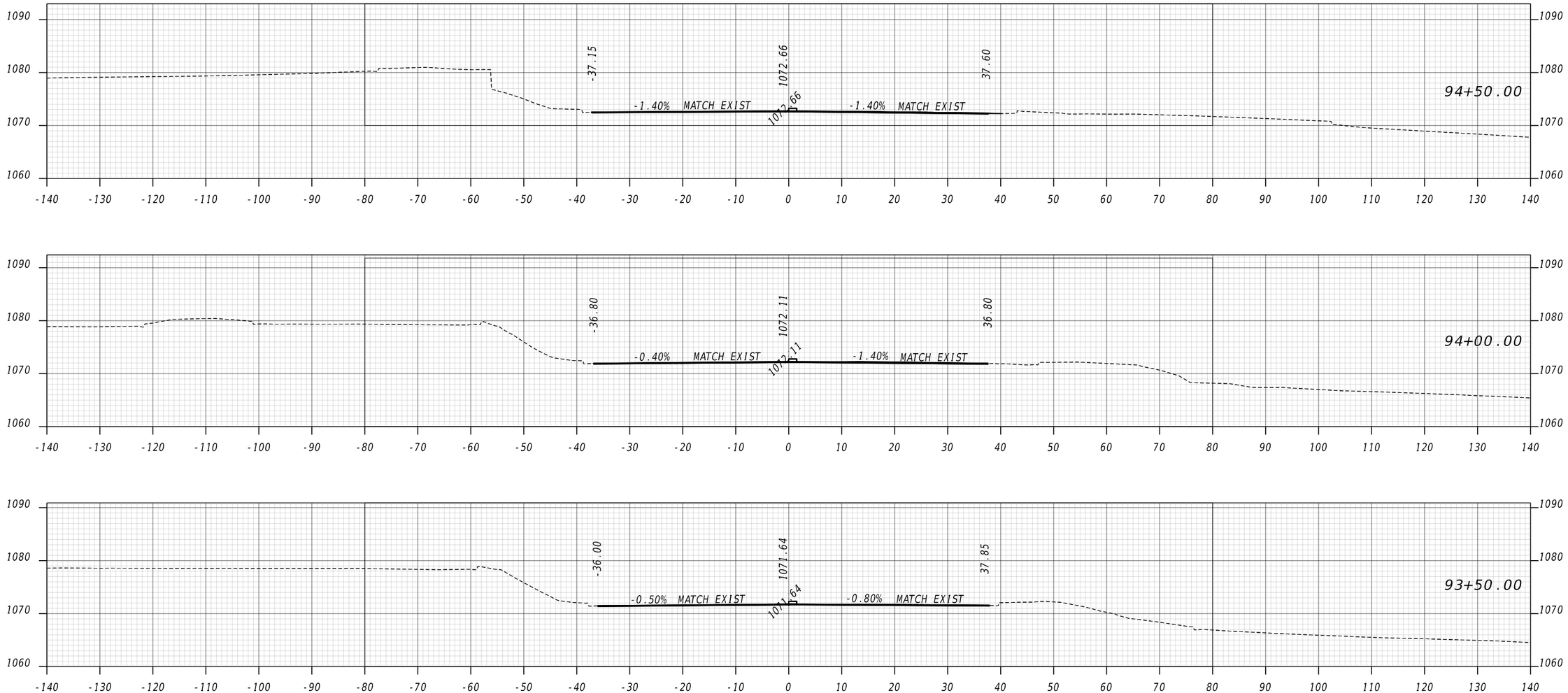


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# MOUNTAIN INDUSTRIAL BLVD
# CITY OF TUCKER

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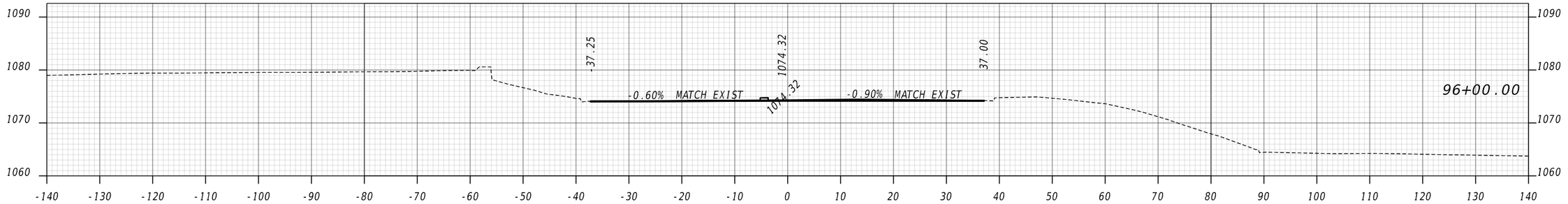


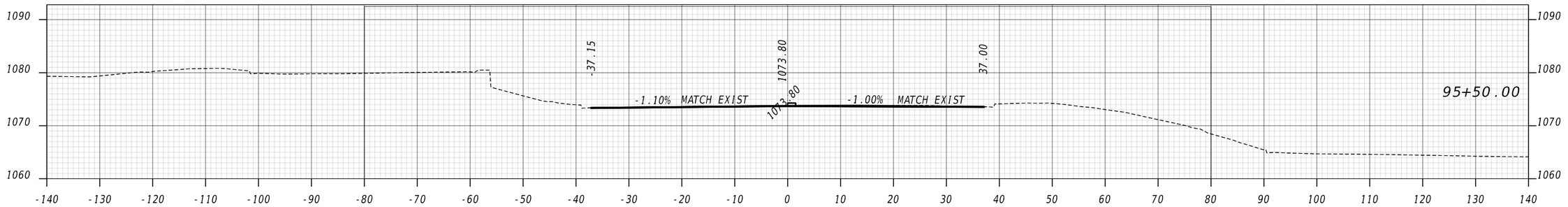


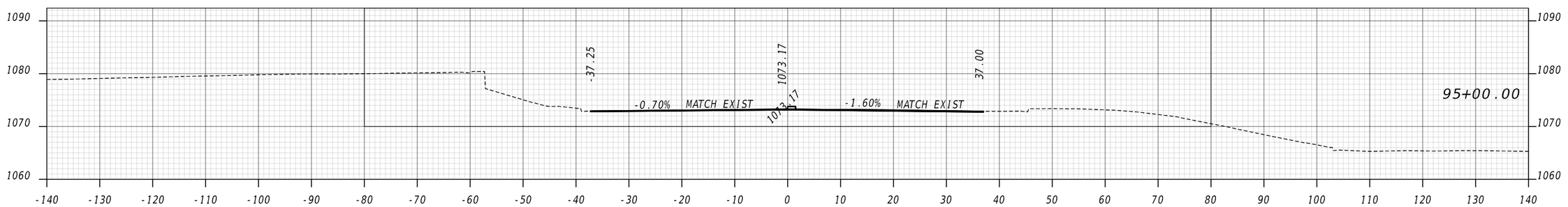


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# MOUNTAIN INDUSTRIAL BLVD
# CITY OF TUCKER

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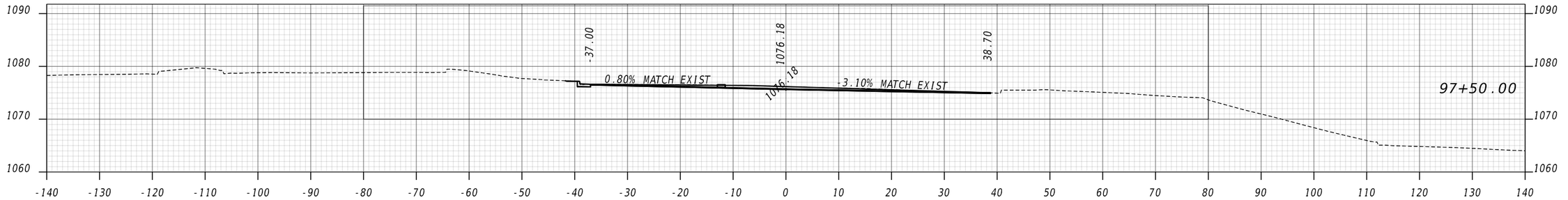


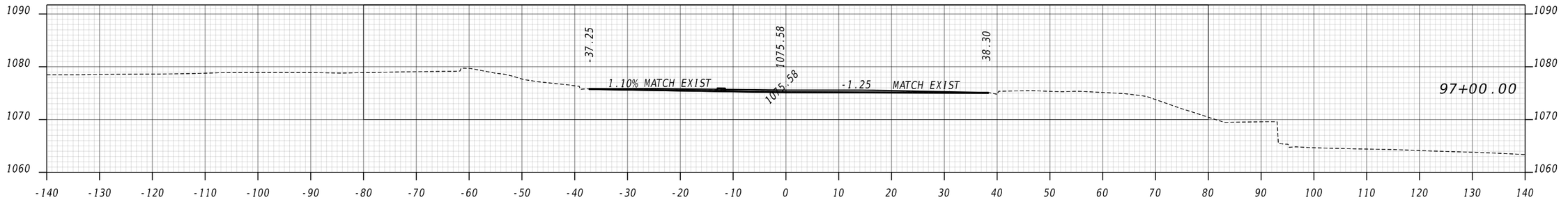


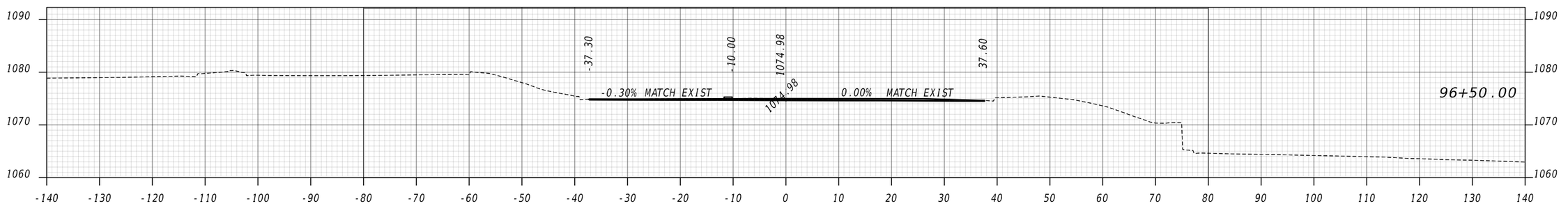


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# MOUNTAIN INDUSTRIAL BLVD
# CITY OF TUCKER

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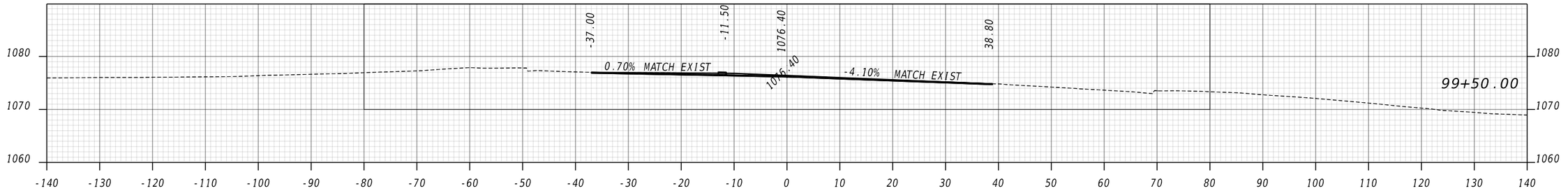


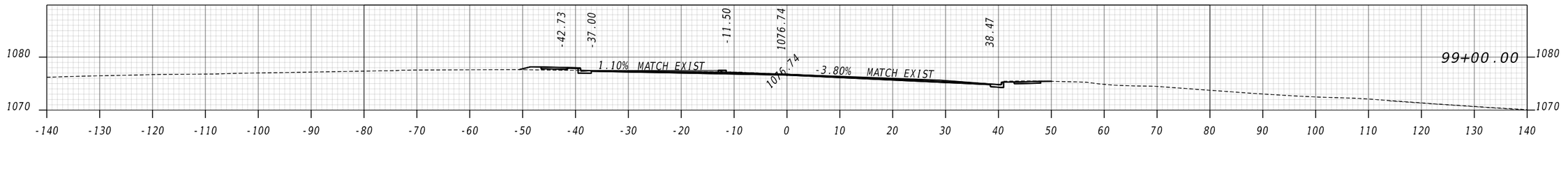


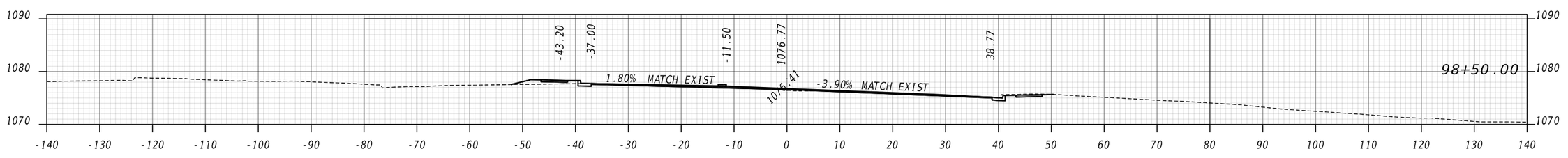


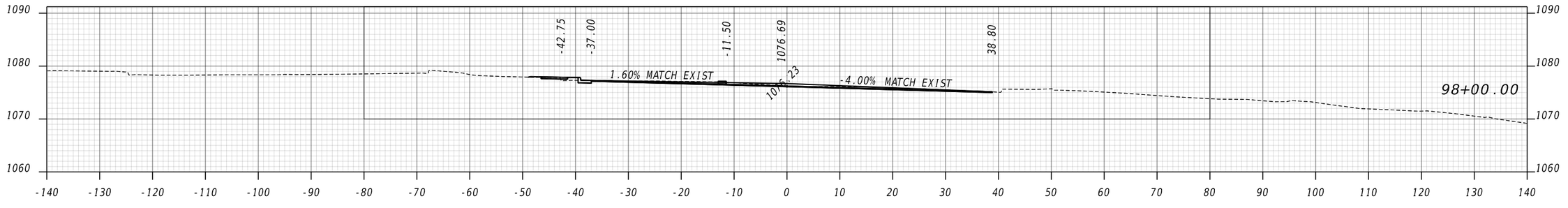


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2450 Commerce Avenue
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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
MOUNTAIN INDUSTRIAL BLVD
CITY OF TUCKER

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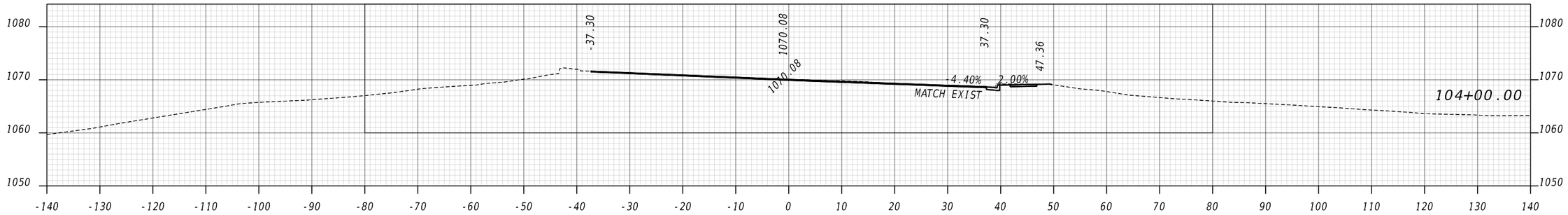


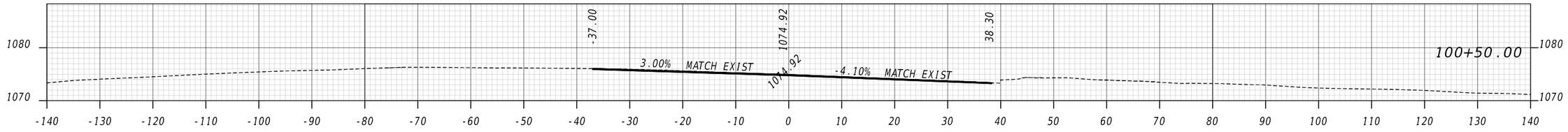


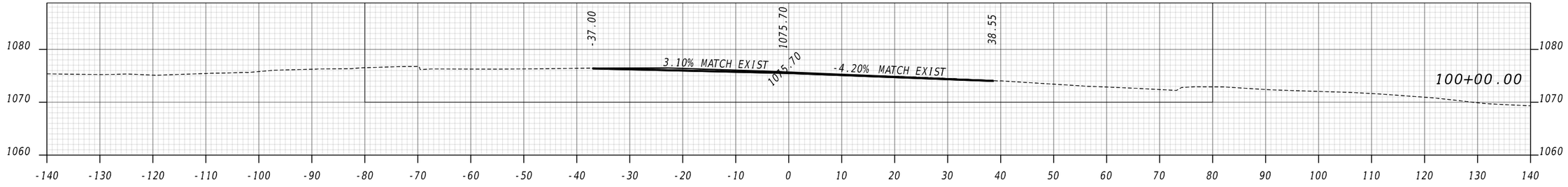


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2450 Commerce Avenue
Suite 100
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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# MOUNTAIN INDUSTRIAL BLVD
# CITY OF TUCKER

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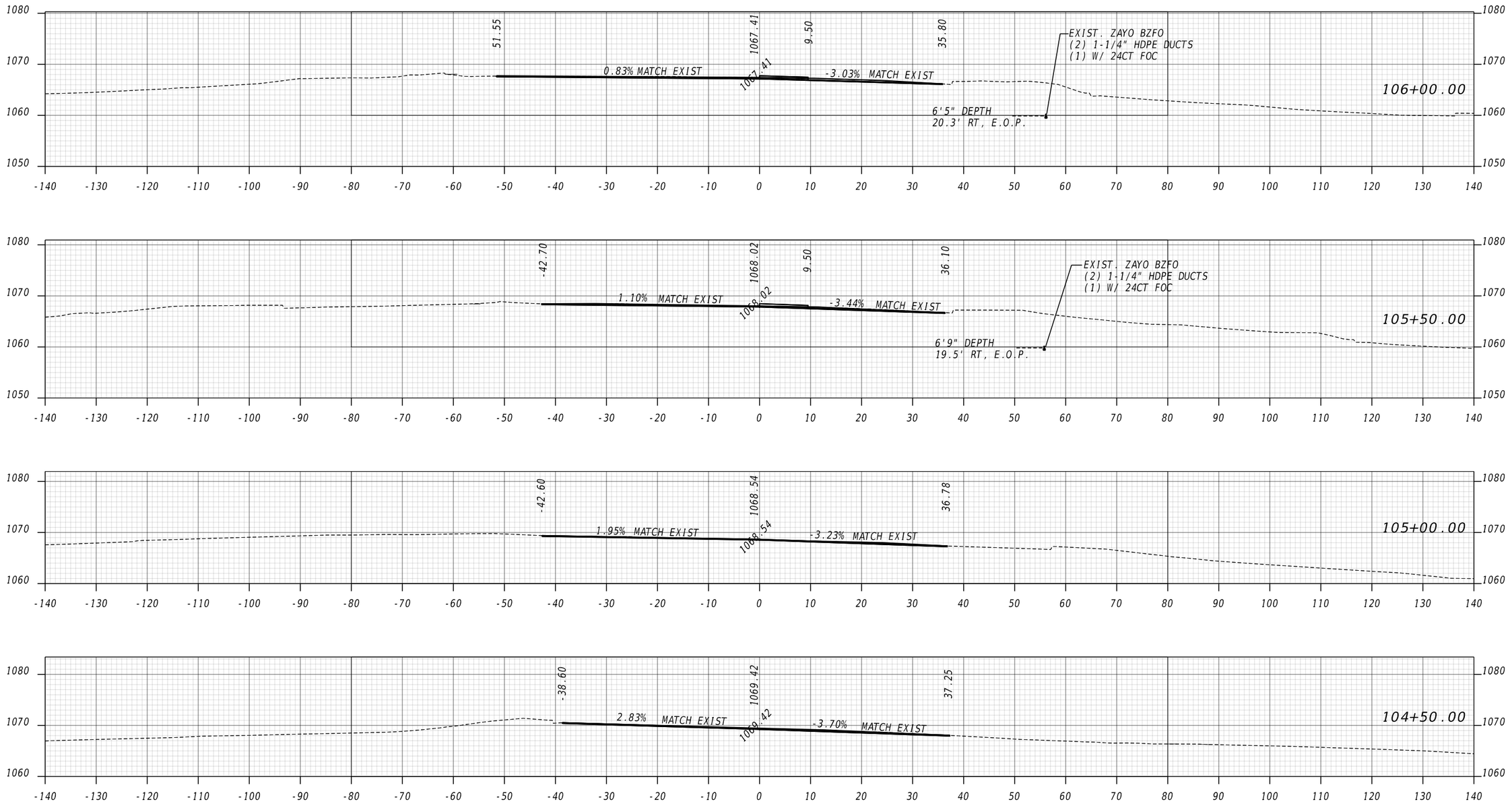


ATLAS
2450 Commerce Avenue
Suite 100
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770.263.5945

VERTICAL 1" = 20' HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
MOUNTAIN INDUSTRIAL BLVD
CITY OF TUCKER

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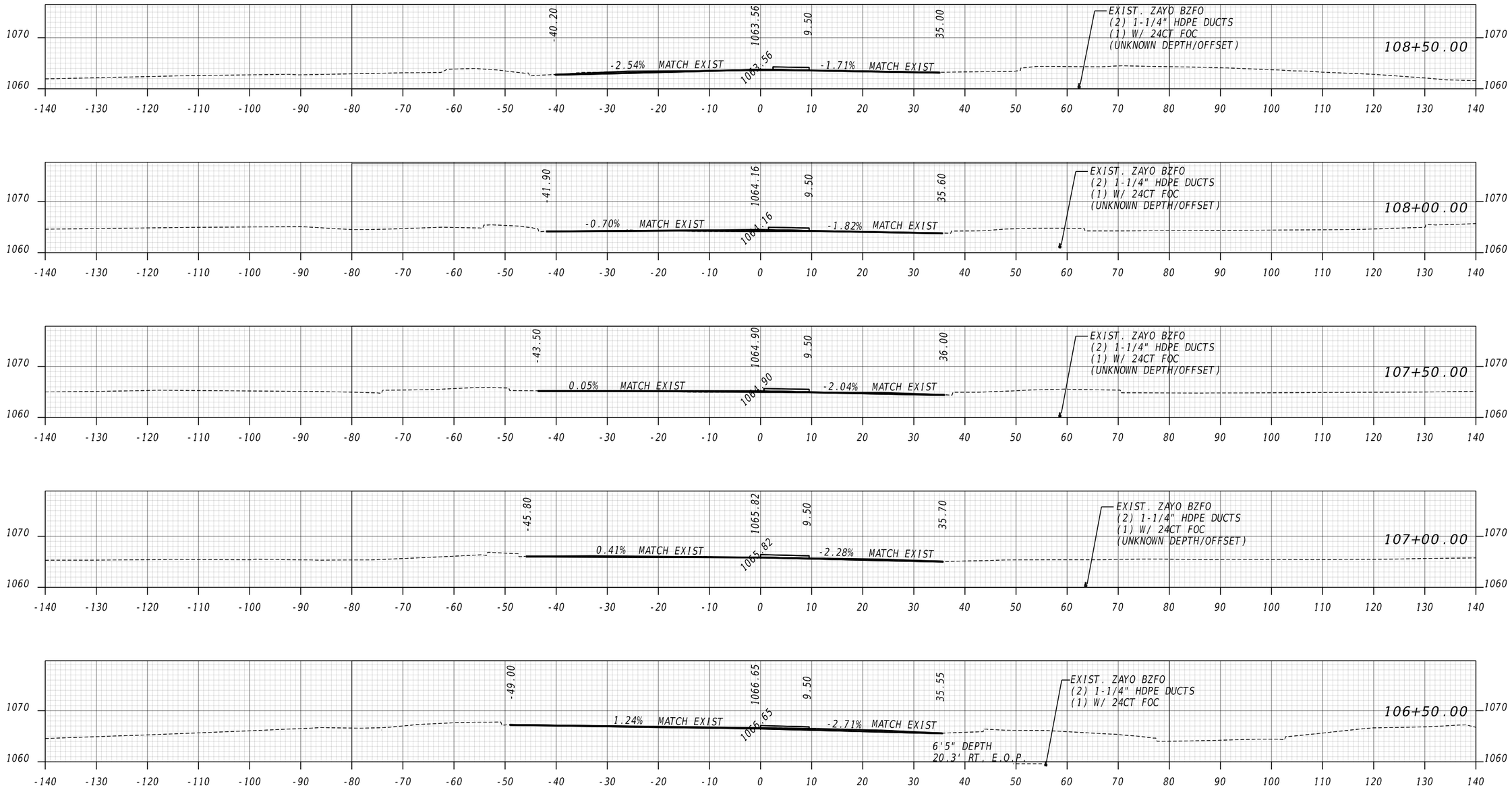


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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
## MOUNTAIN INDUSTRUIAL BLVD
## CITY OF TUCKER

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| CHECKED: | | DATE: | | DRAWING No. |
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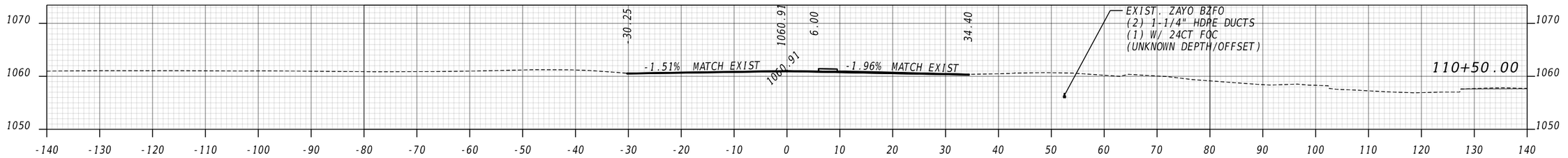
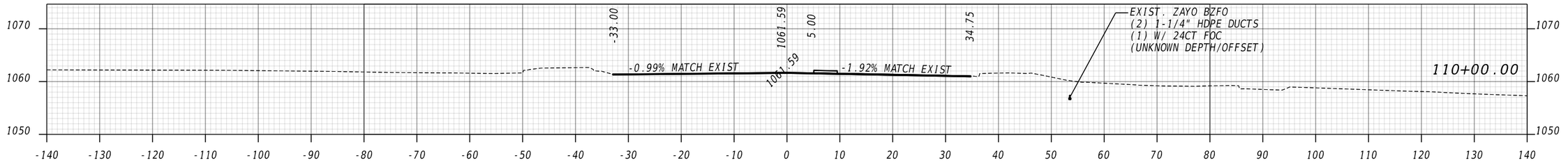
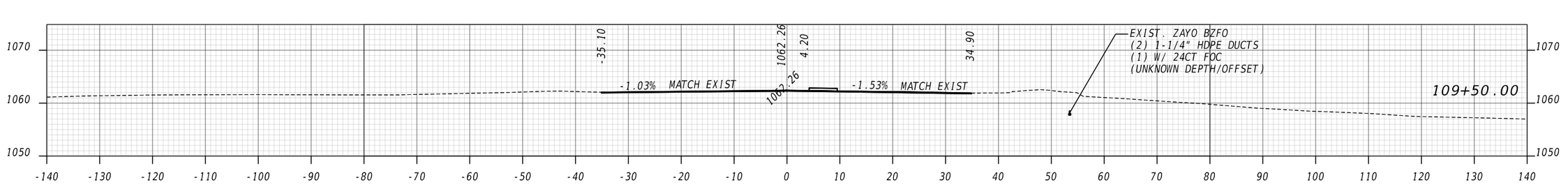
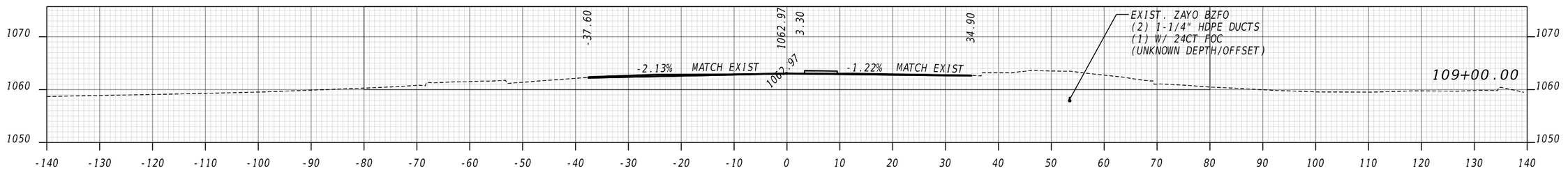
GPLN-CE
11/05/2020

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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# MOUNTAIN INDUSTRIAL BLVD
# CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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| VERIFIED: | | DATE: | | |

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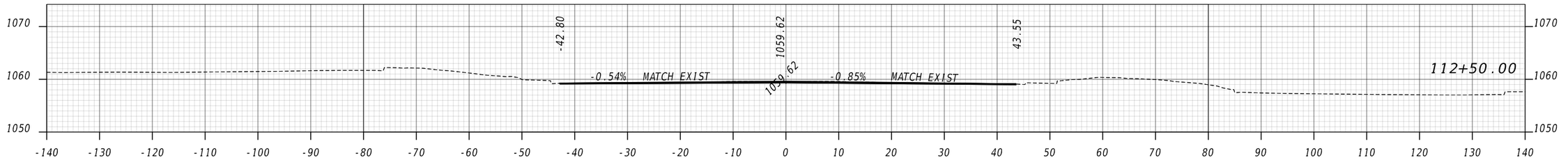
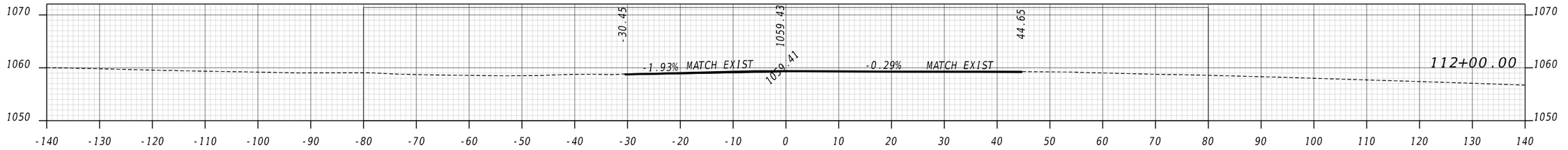
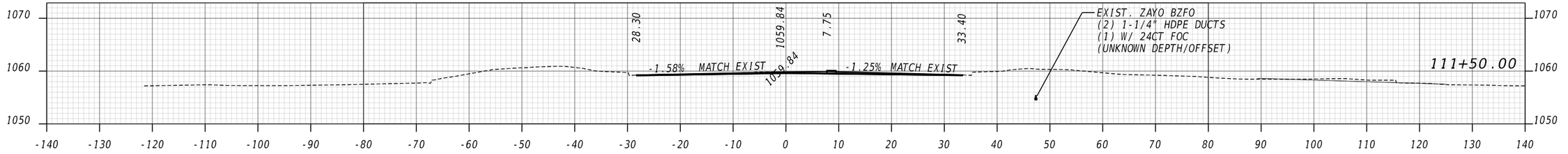
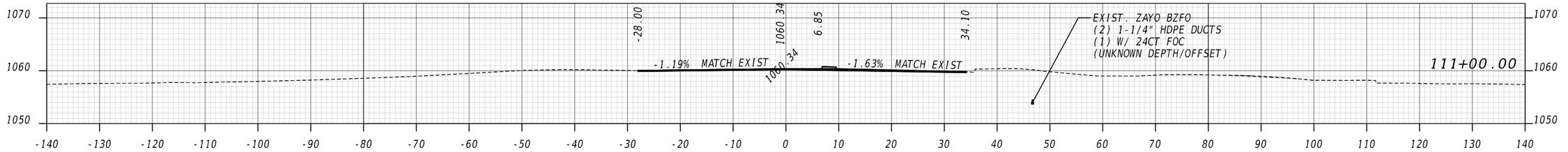
11/05/2020




ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# MOUNTAIN INDUSTRIAL BLVD
# CITY OF TUCKER

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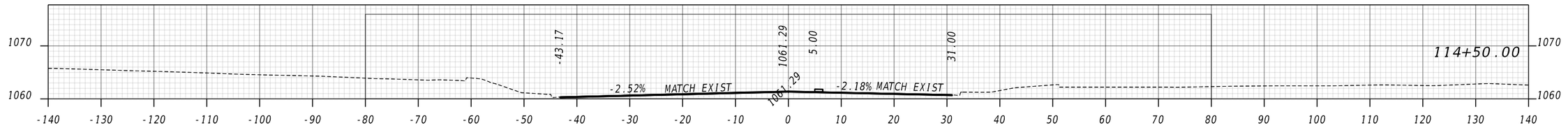


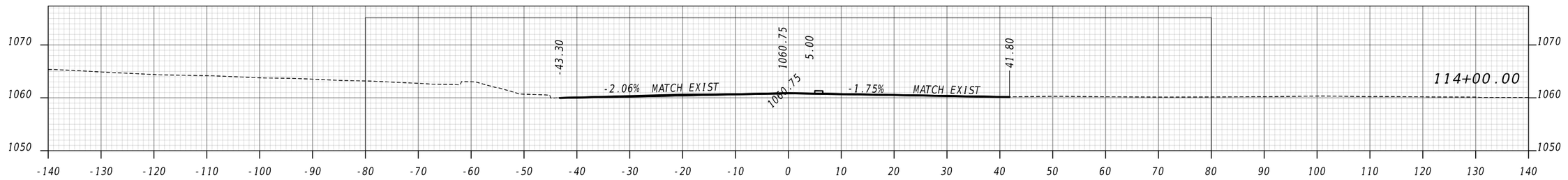


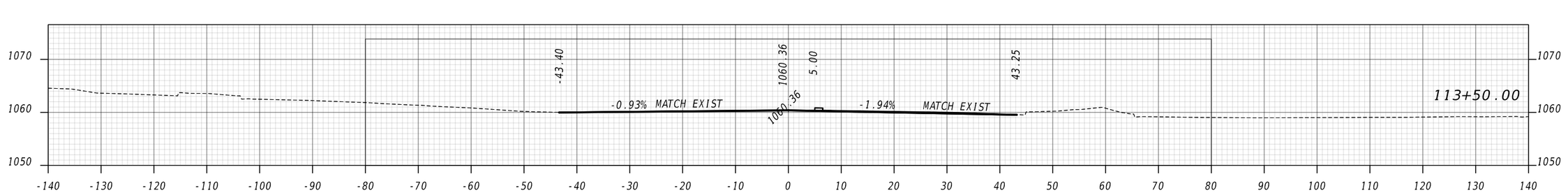


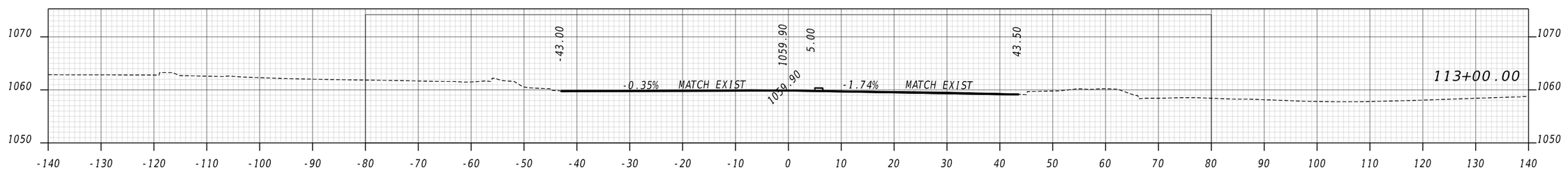


ATLAS
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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
MOUNTAIN INDUSTRIAL BLVD
CITY OF TUCKER

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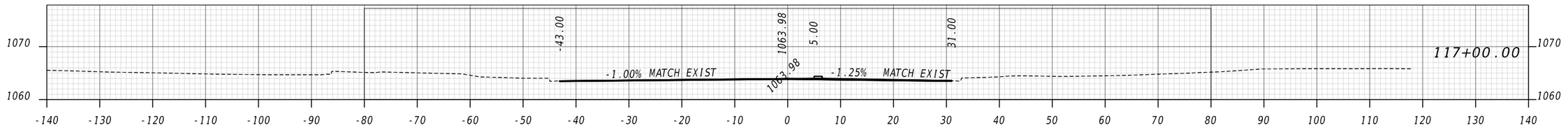


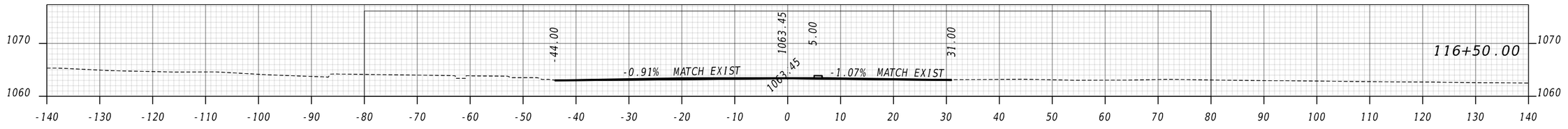


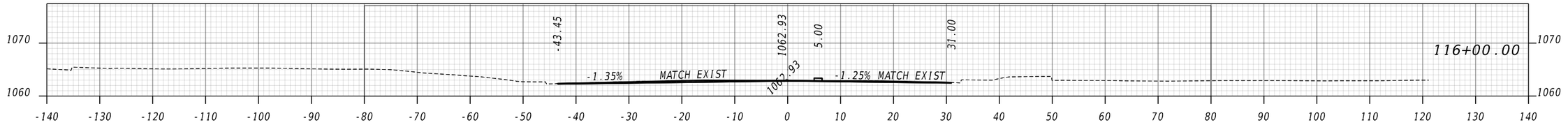


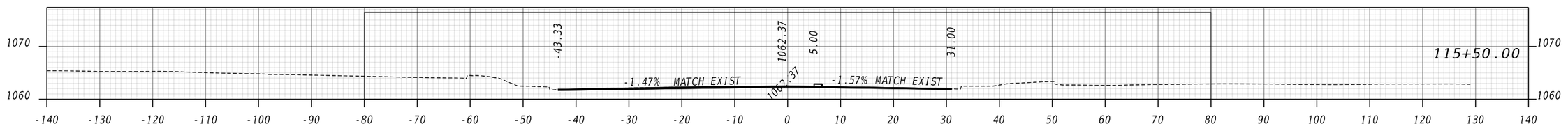


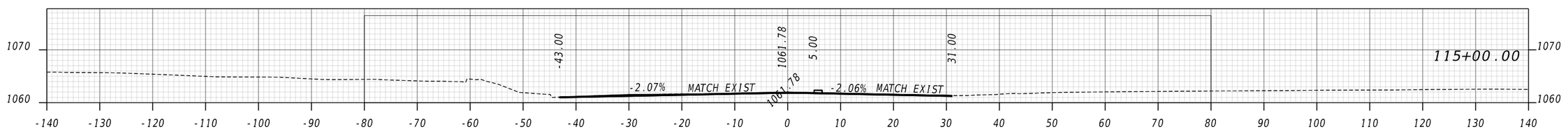


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# MOUNTAIN INDUSTRIAL BLVD
# CITY OF TUCKER

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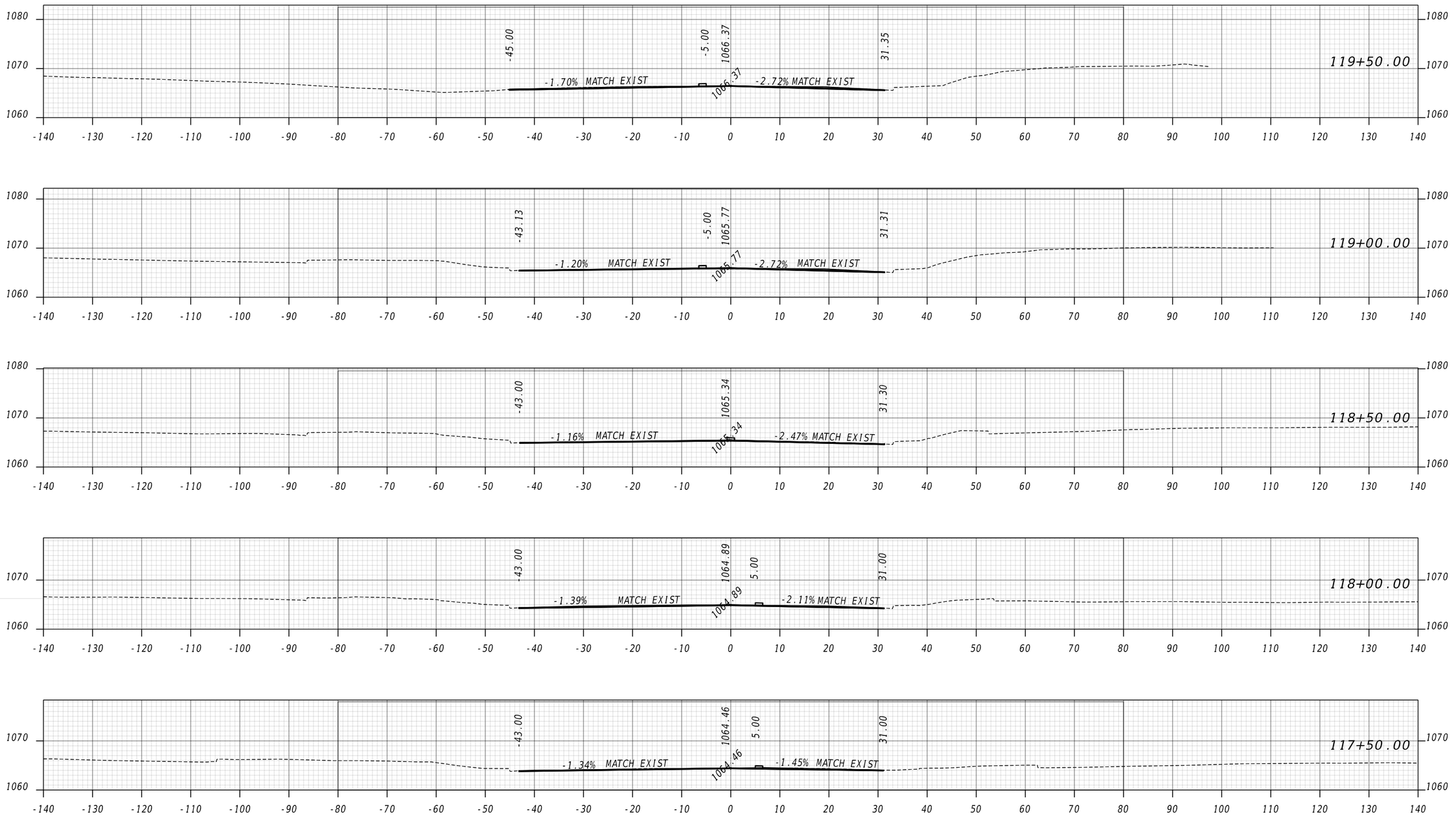


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
## MOUNTAIN INDUSTRIAL BLVD
## CITY OF TUCKER

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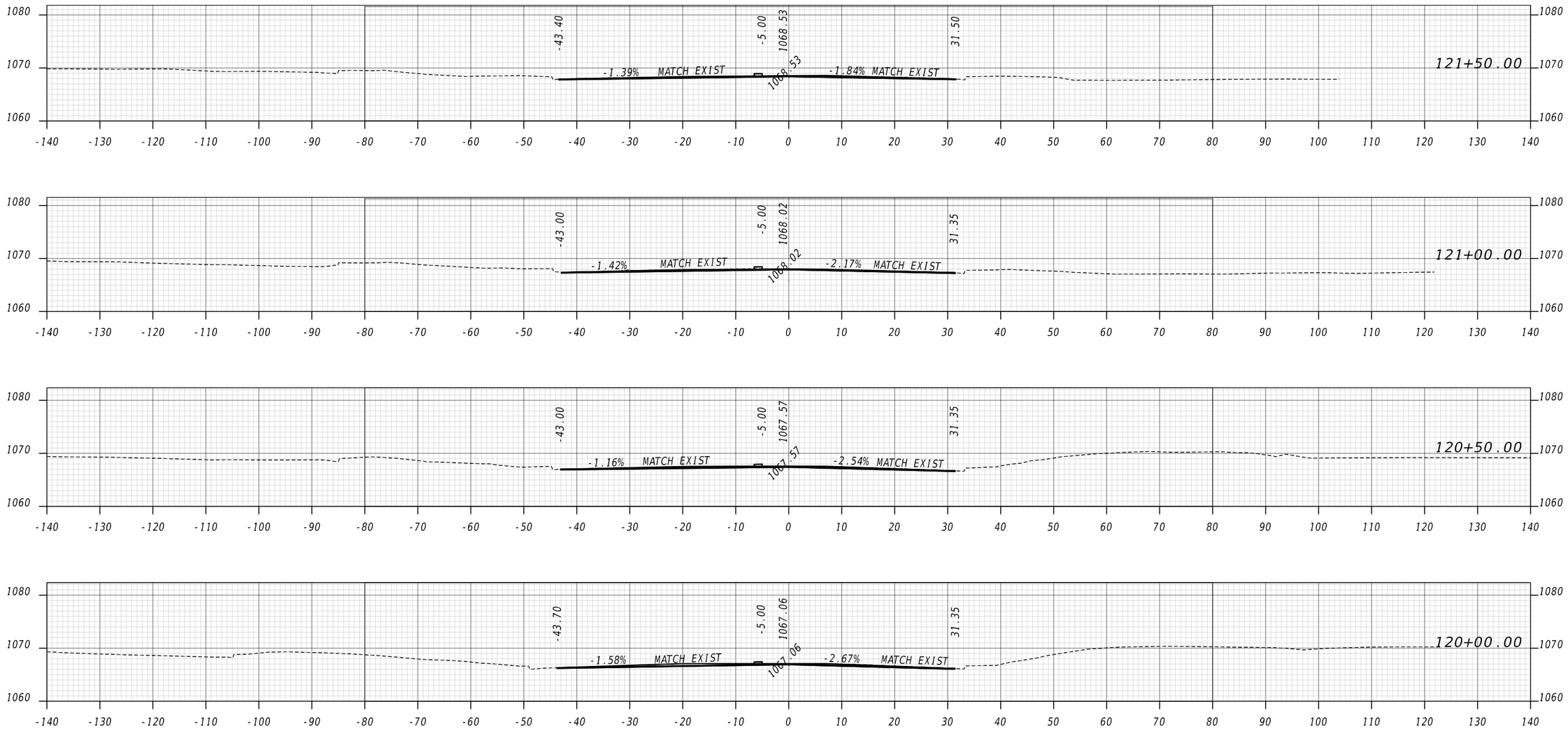


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VERTICAL 1" = 20' HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
## MOUNTAIN INDUSTRIAL BLVD
## CITY OF TUCKER

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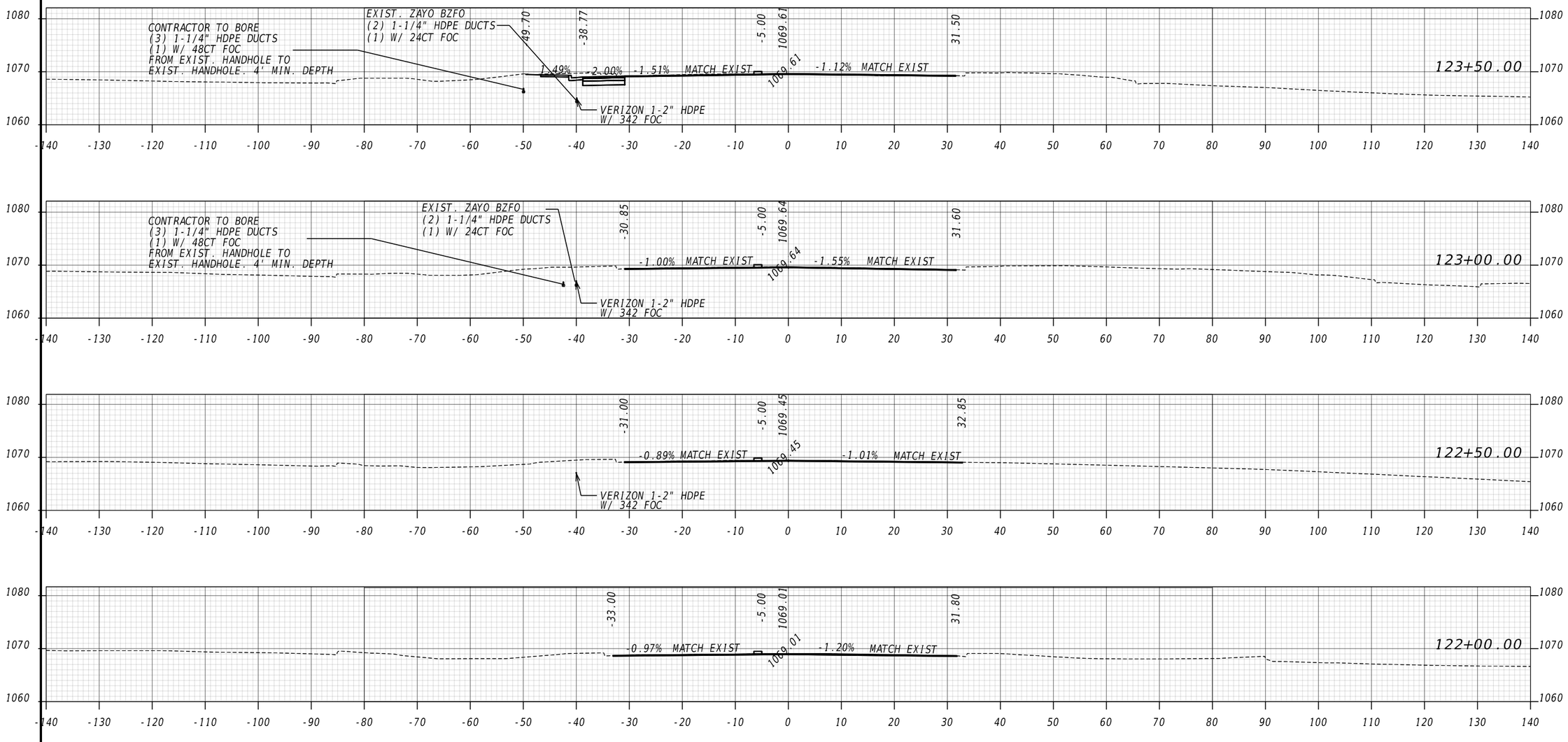


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VERTICAL 1" = 20' HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
MOUNTAIN INDUSTRIAL BLVD
CITY OF TUCKER

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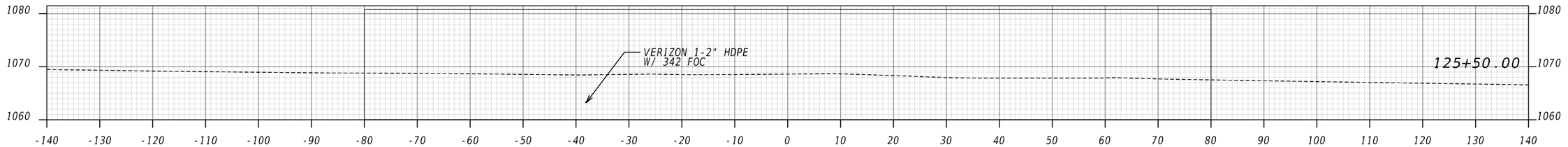


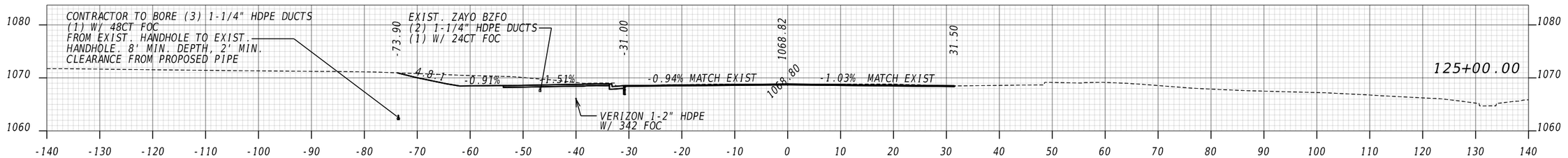


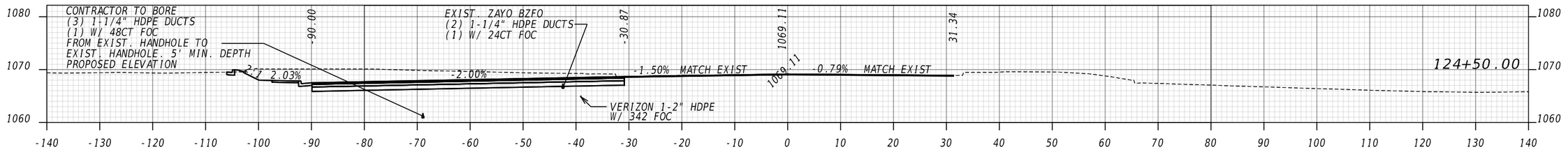


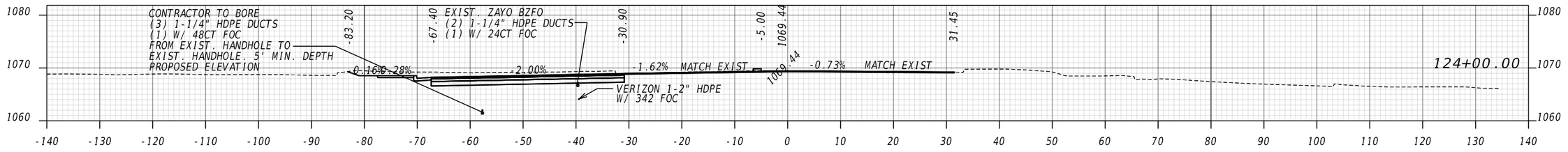


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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# MOUNTAIN INDUSTRIAL BLVD
# CITY OF TUCKER

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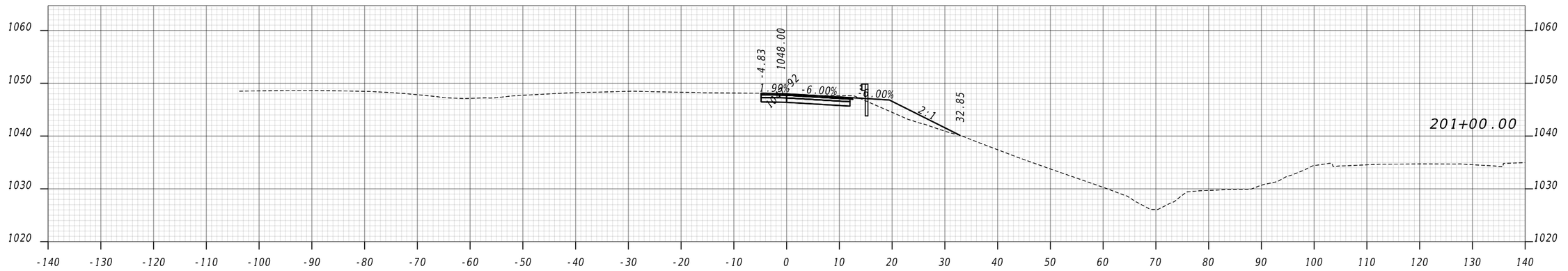


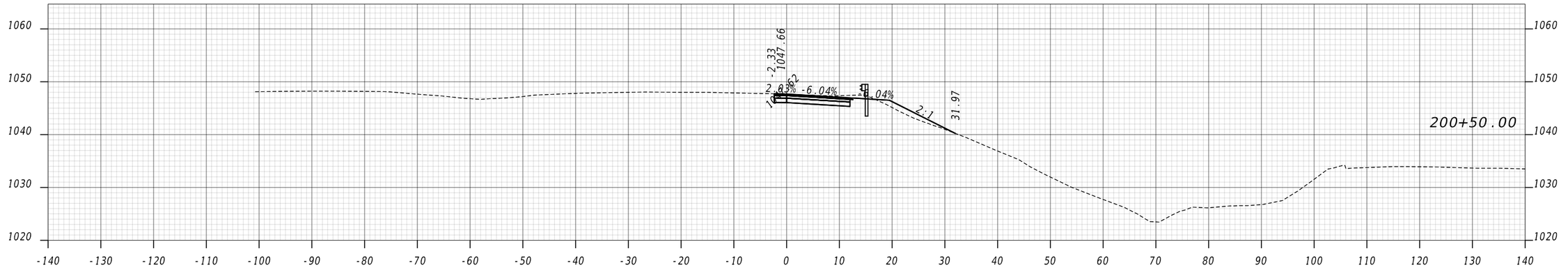


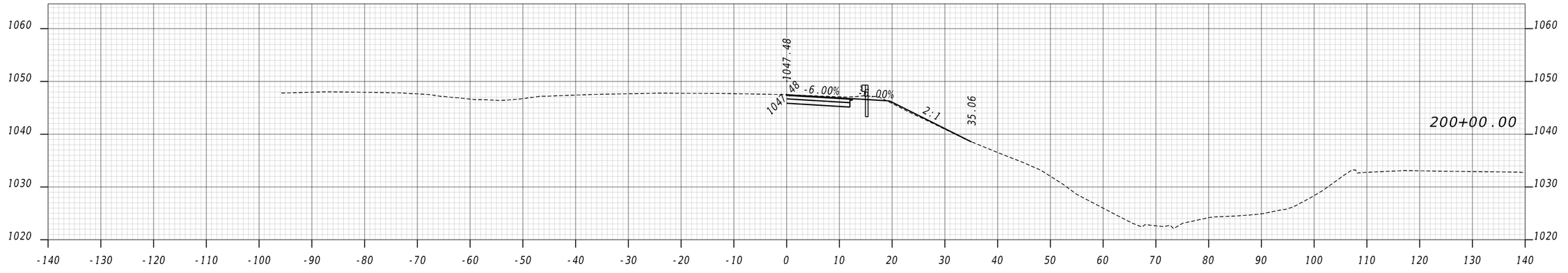


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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# US 78 EAST BOUND EXIT RAMP
# CITY OF TUCKER

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| CHECKED: | | DATE: | | DRAWING No. |
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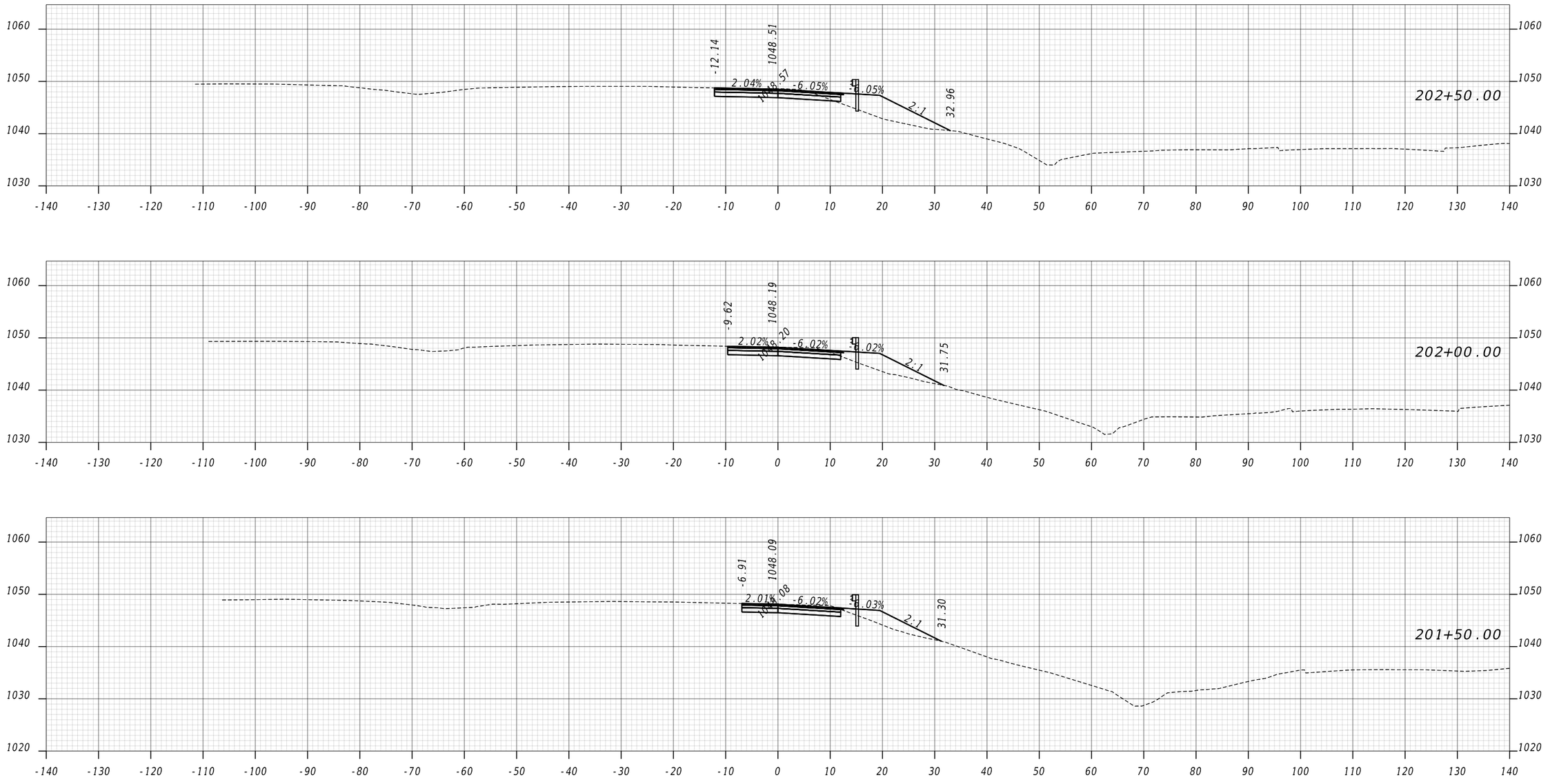


ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

VERTICAL 1" = 20' HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# US 78 EAST BOUND EXIT RAMP
# CITY OF TUCKER

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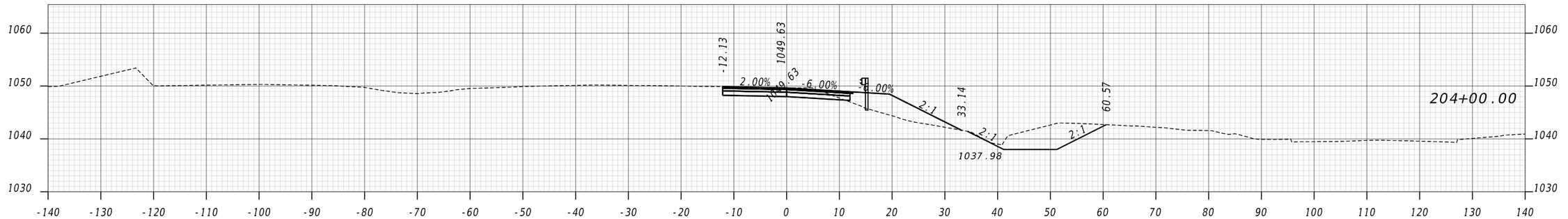


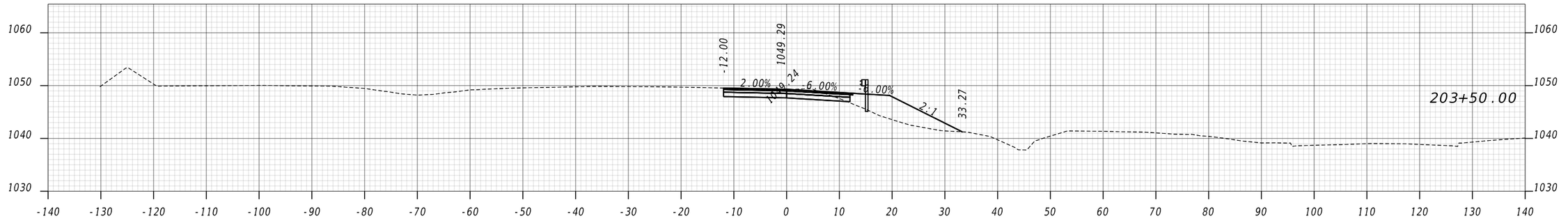


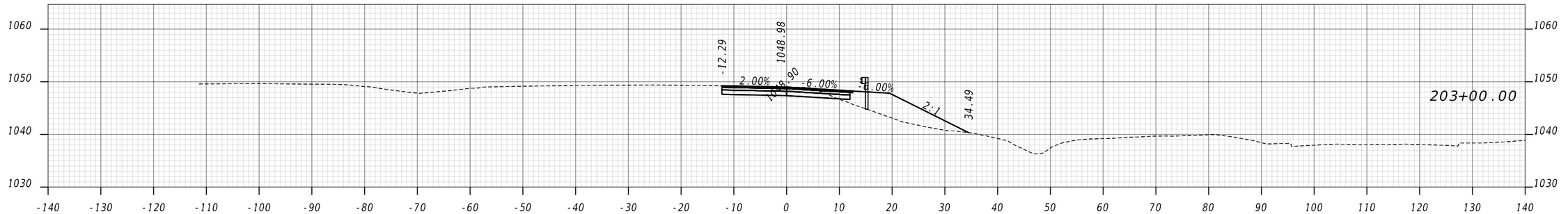


ATLAS
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Duluth, Georgia 30096
770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
US 78 EAST BOUND EXIT RAMP
CITY OF TUCKER

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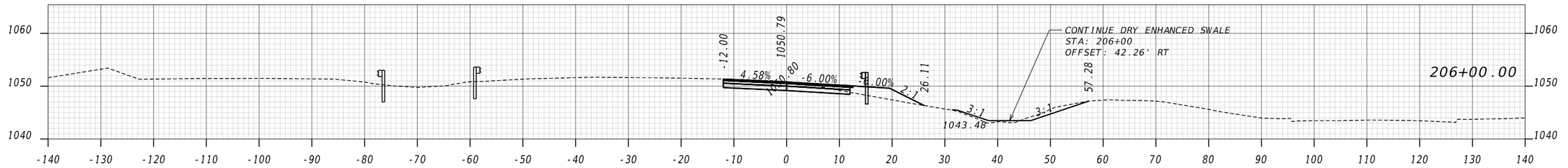
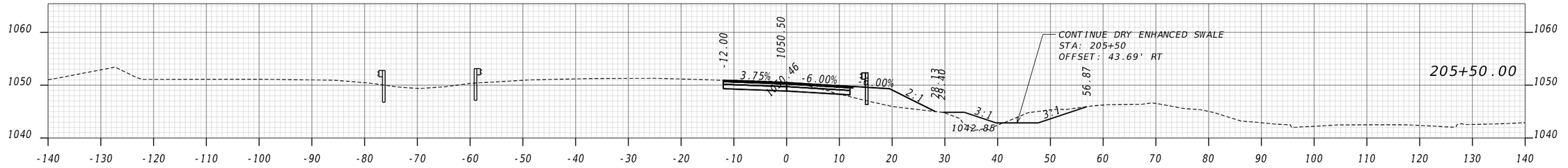
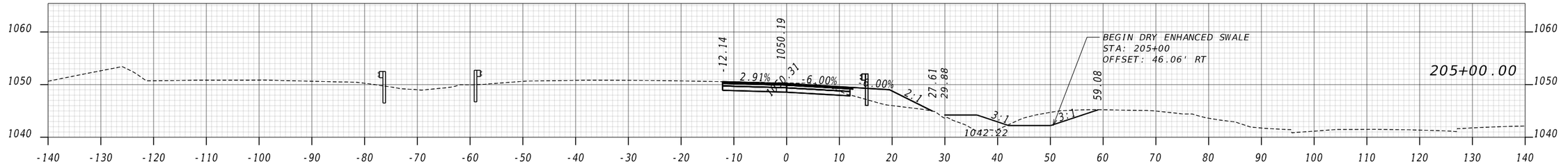
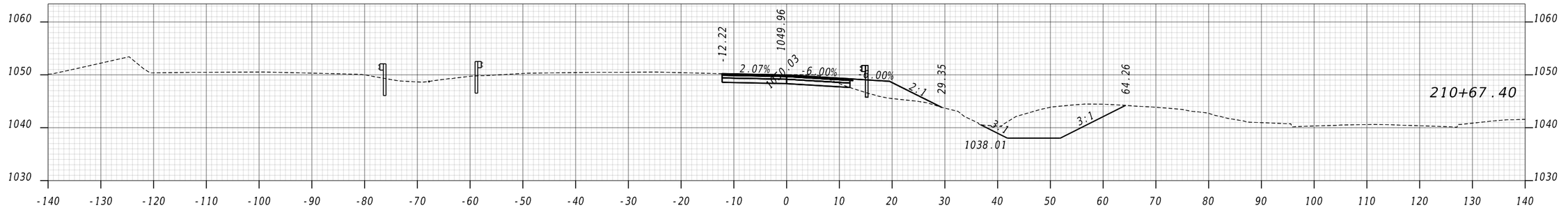
GPLN-CE
11/05/2020

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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# US 78 EAST BOUND EXIT RAMP
# CITY OF TUCKER

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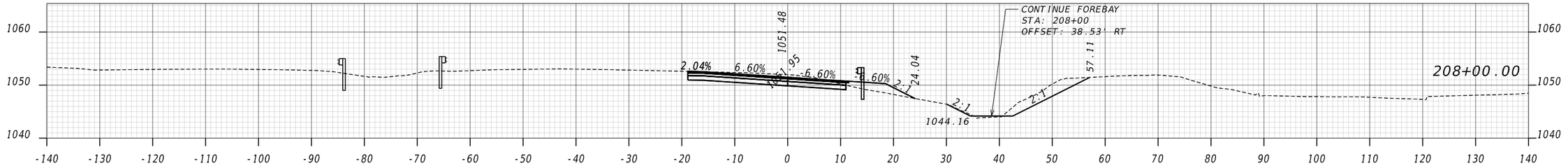
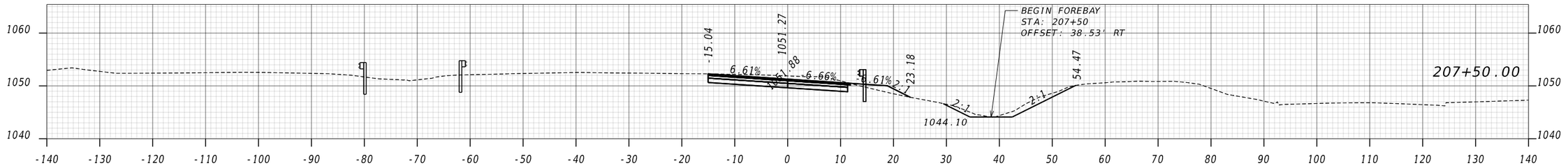
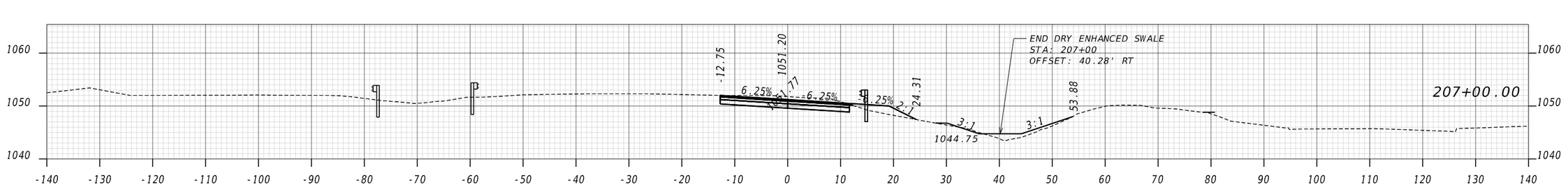
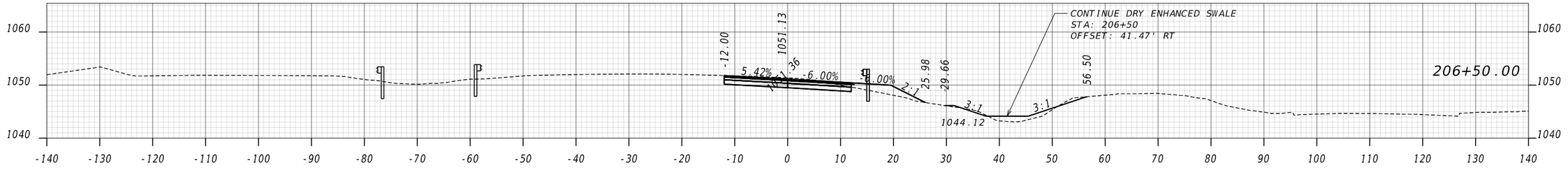
GPLN-CE
11/05/2020

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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
US 78 EAST BOUND EXIT RAMP
CITY OF TUCKER

| | | | | |
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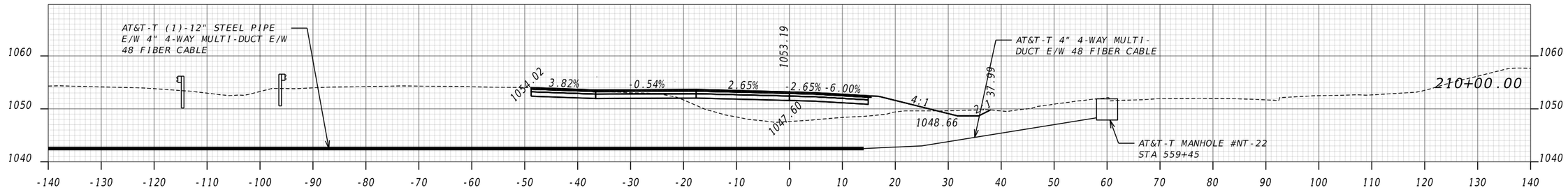


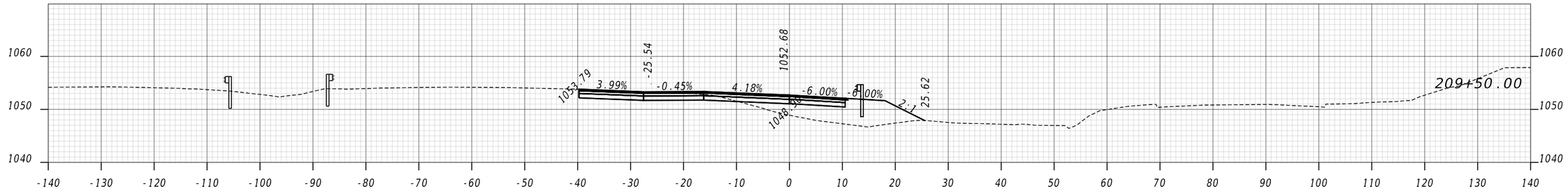


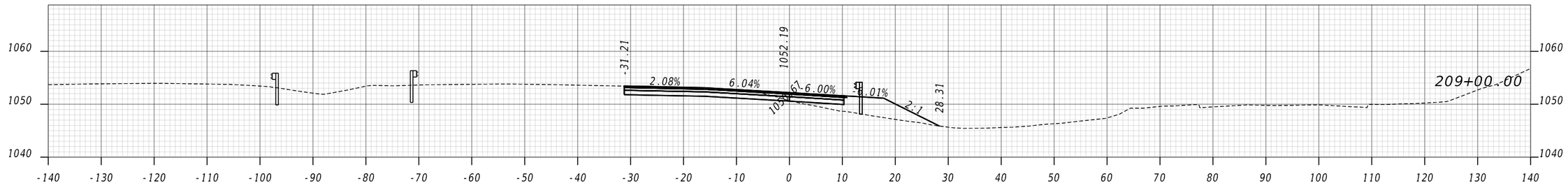


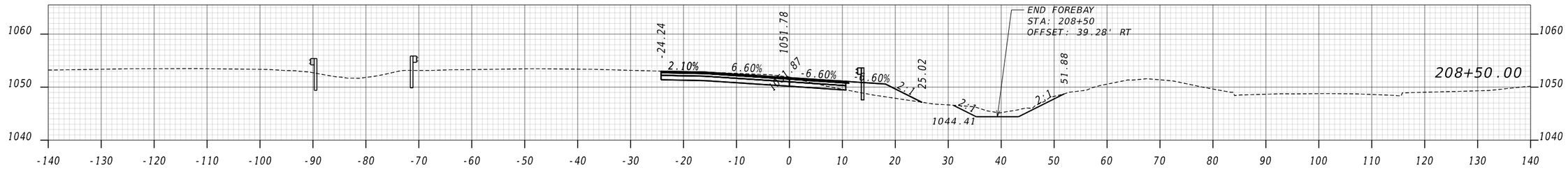


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# US 78 EAST BOUND EXIT RAMP
# CITY OF TUCKER

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|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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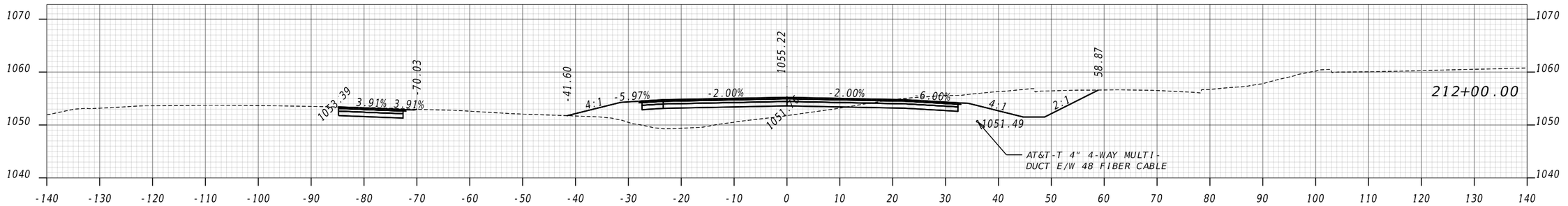


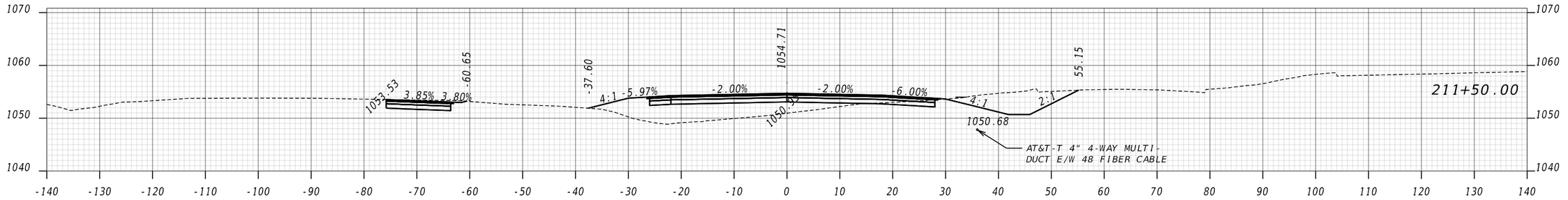


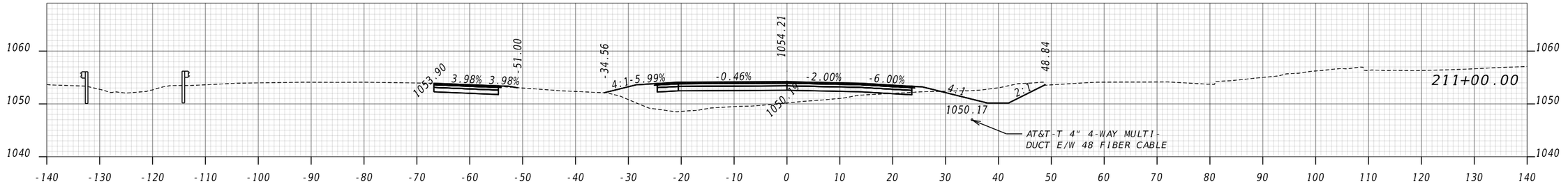


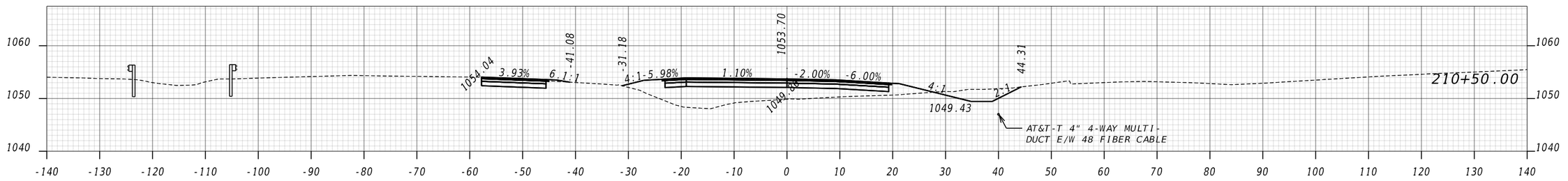


ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# US 78 EAST BOUND EXIT RAMP
# CITY OF TUCKER

| | | | | |
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| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 23-0024 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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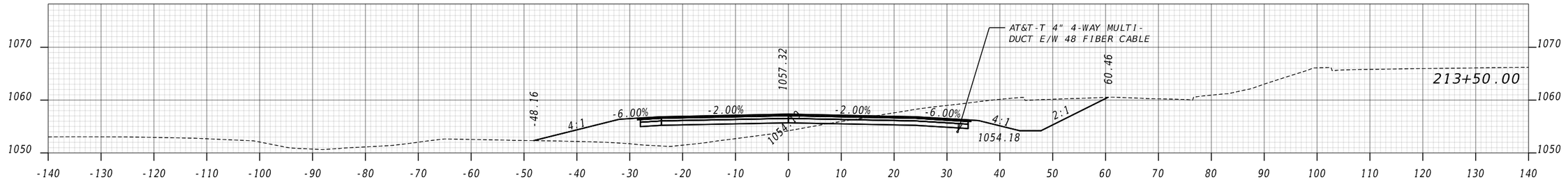


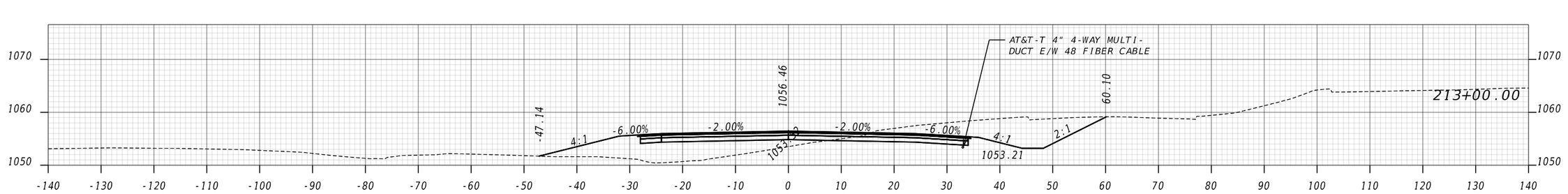


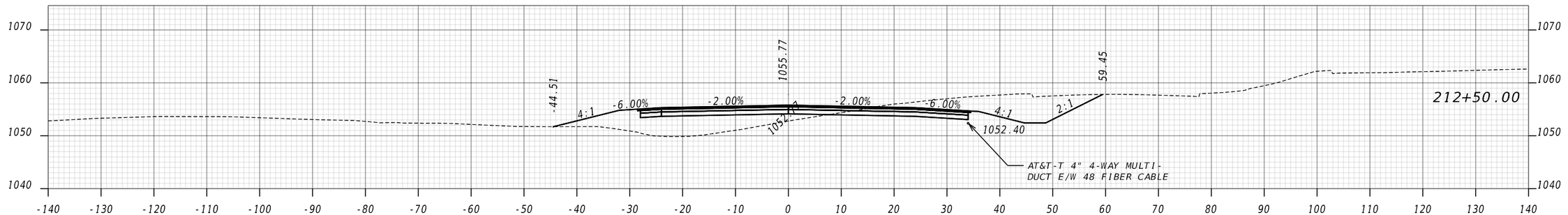


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# US 78 EAST BOUND EXIT RAMP
# CITY OF TUCKER

| | | | |
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| CHECKED: | | DATE: | |
| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | |
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DRAWING No. 23-0025

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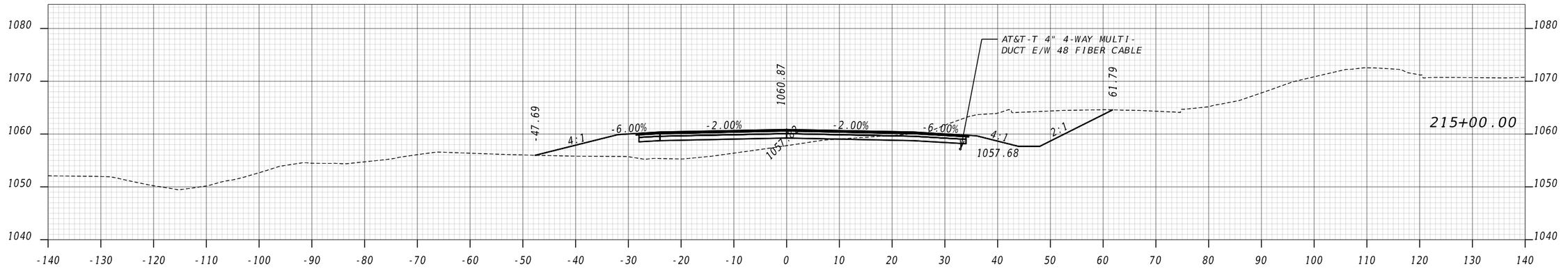


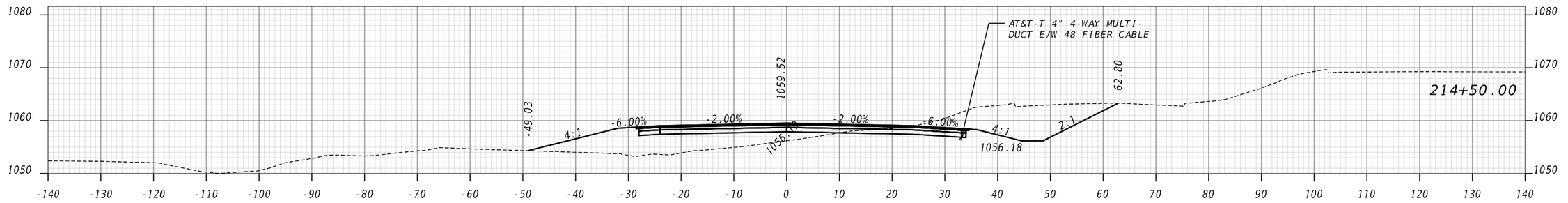


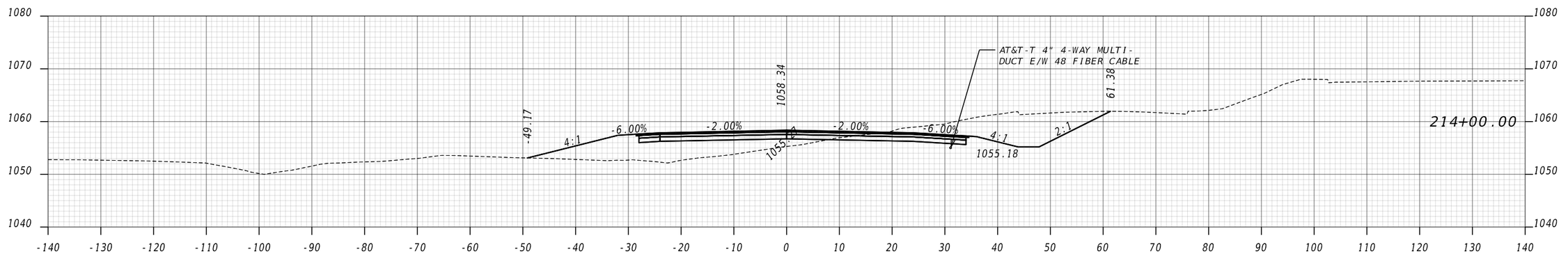


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VERTICAL 1" = 20' HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
## US 78 EAST BOUND EXIT RAMP
## CITY OF TUCKER

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| CHECKED: | | DATE: | | DRAWING No. |
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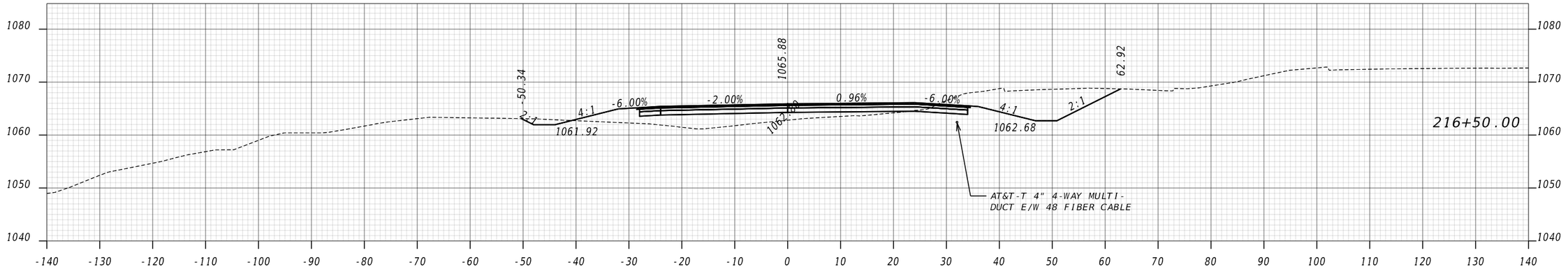


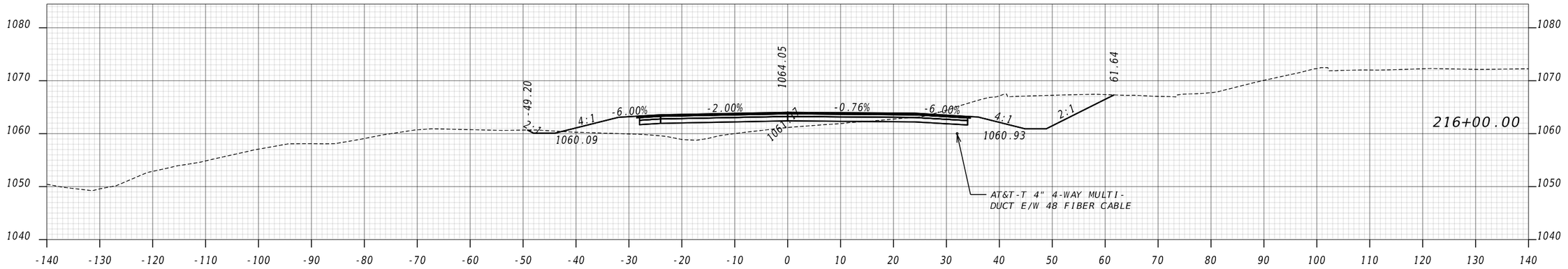


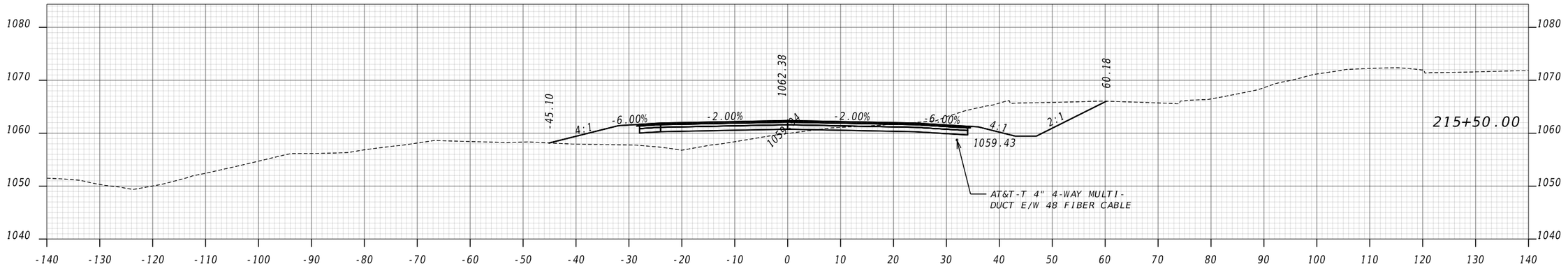


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
US 78 EAST BOUND EXIT RAMP
CITY OF TUCKER

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| CHECKED: | | DATE: | | DRAWING No. |
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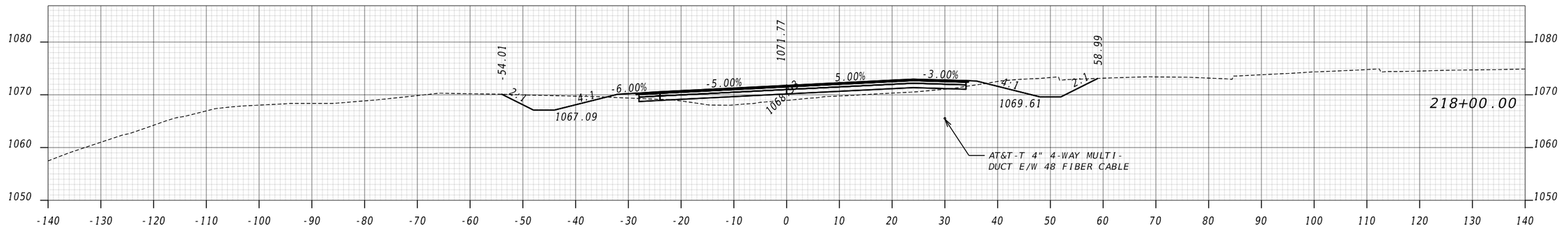


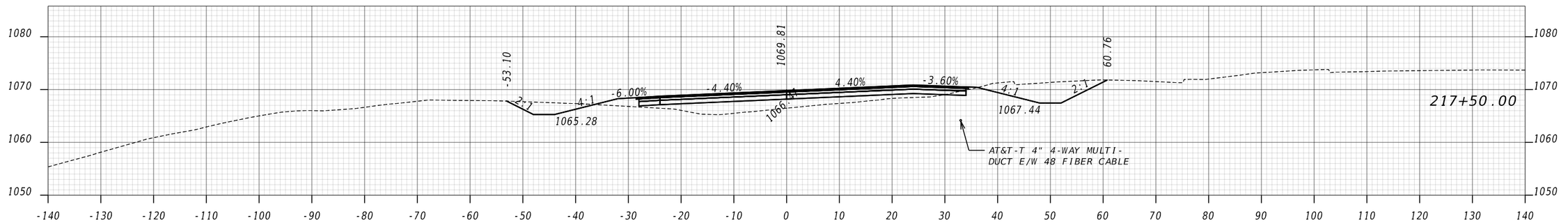


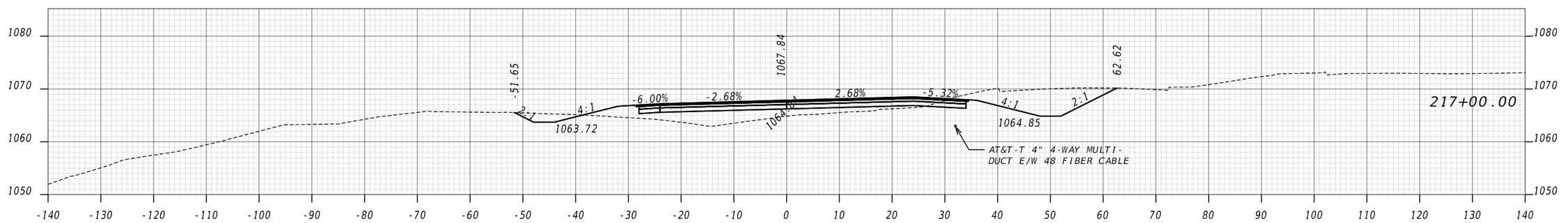


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VERTICAL 1" = 20' HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
US 78 EAST BOUND EXIT RAMP
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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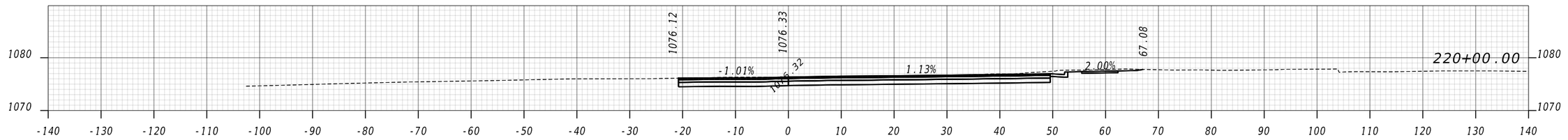
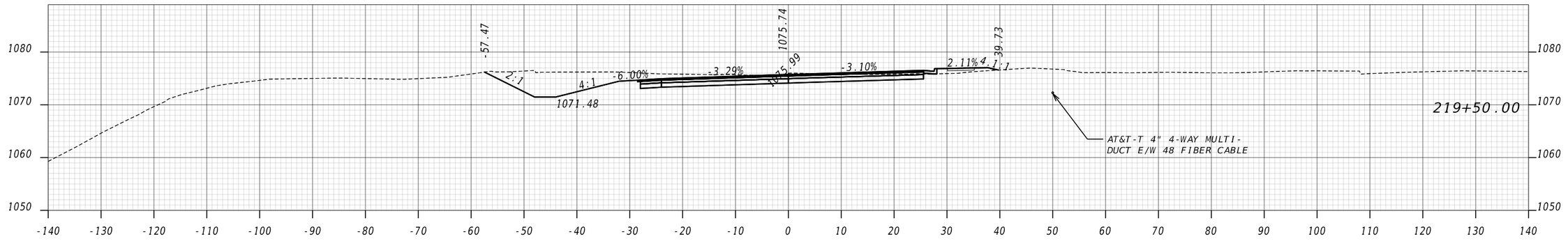
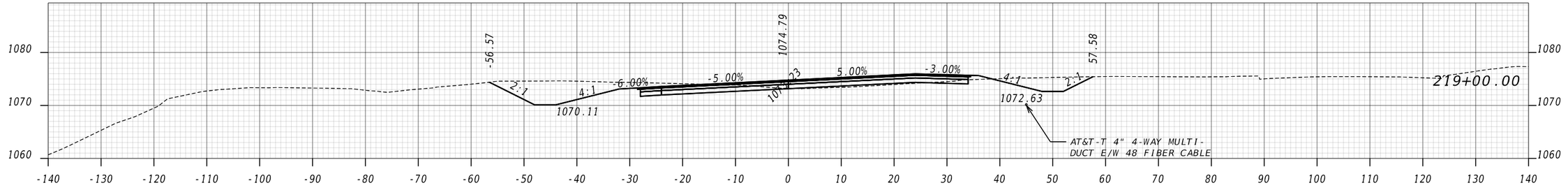
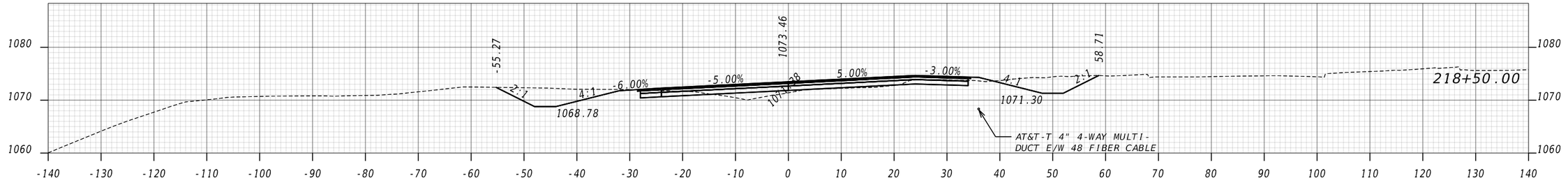
GPLN-CE
11/05/2020

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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
US 78 EAST BOUND EXIT RAMP
CITY OF TUCKER

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11/05/2020

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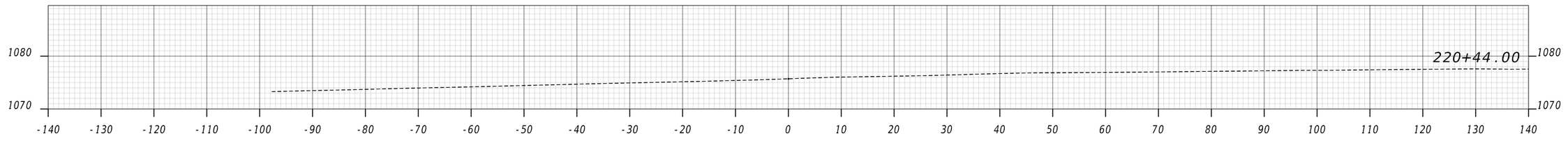


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# US 78 EAST BOUND EXIT RAMP
# CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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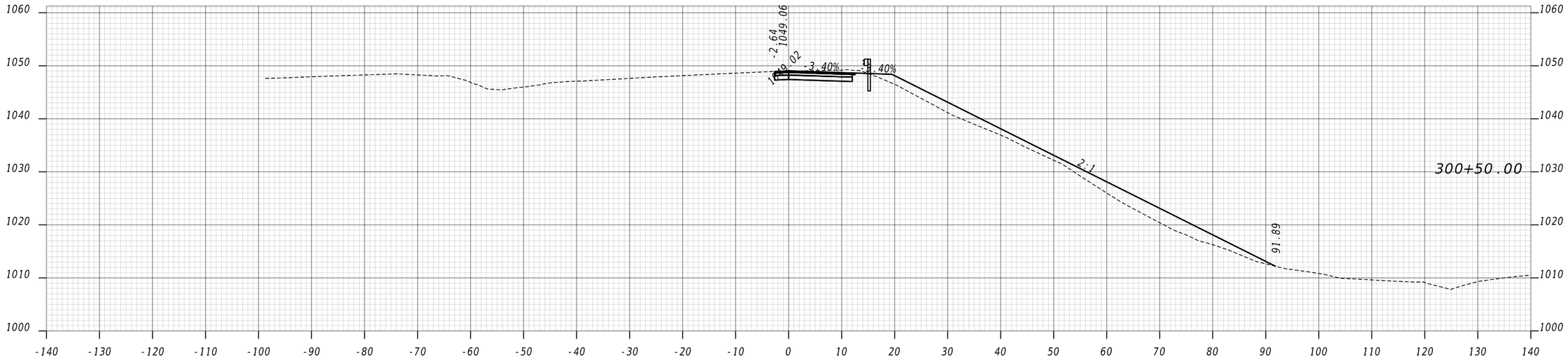
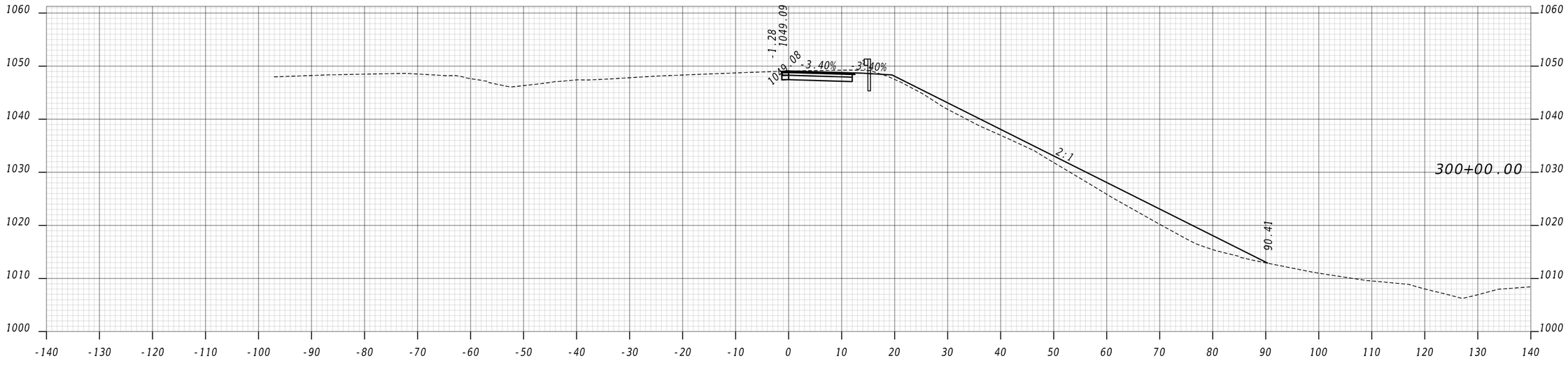
GPLN-CE
11/05/2020

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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
US 78 WESTBOUND EXIT RAMP
CITY OF TUCKER

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| CHECKED: | | DATE: | | DRAWING No. |
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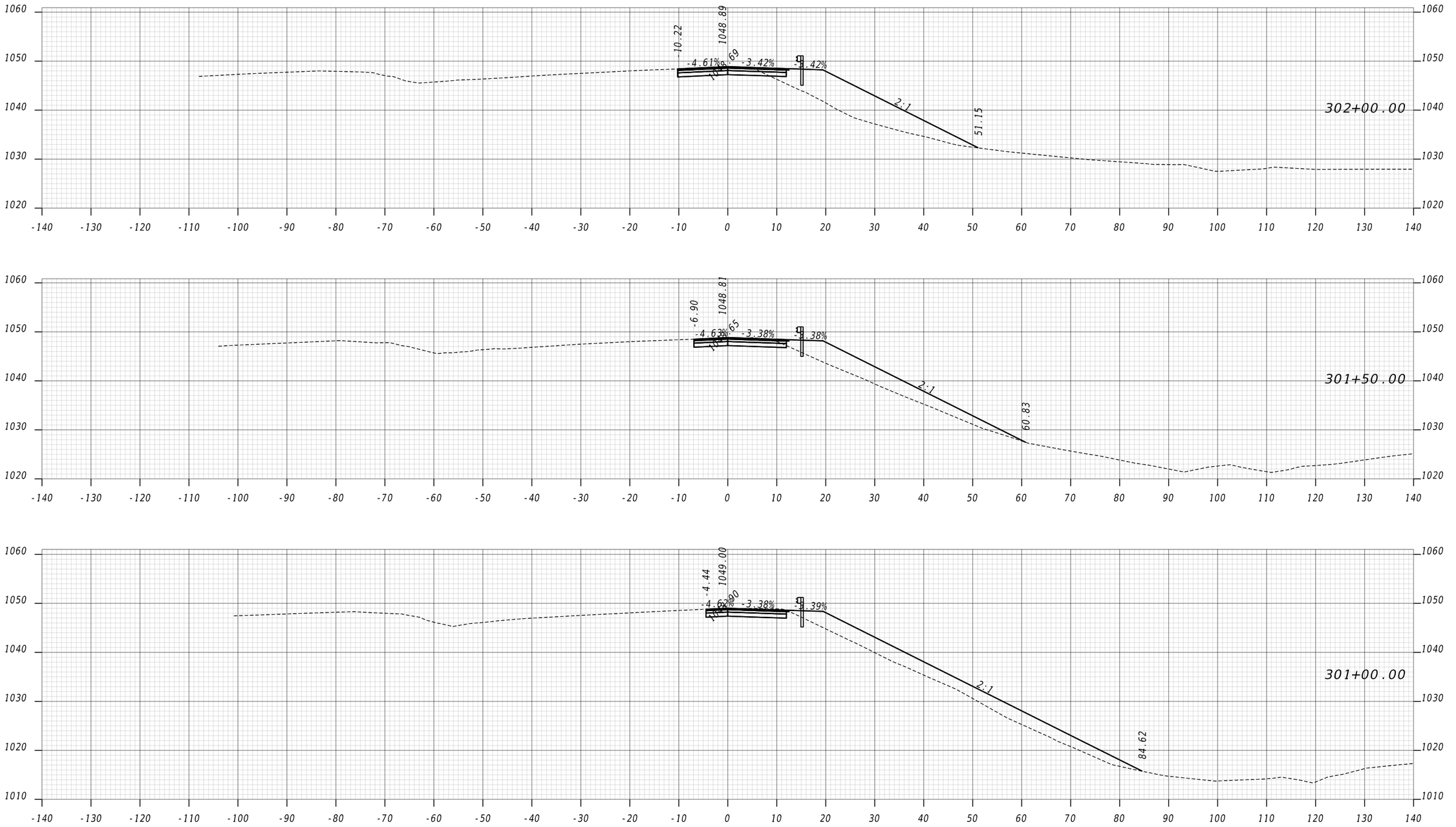
11/05/2020

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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
US 78 WESTBOUND EXIT RAMP
CITY OF TUCKER

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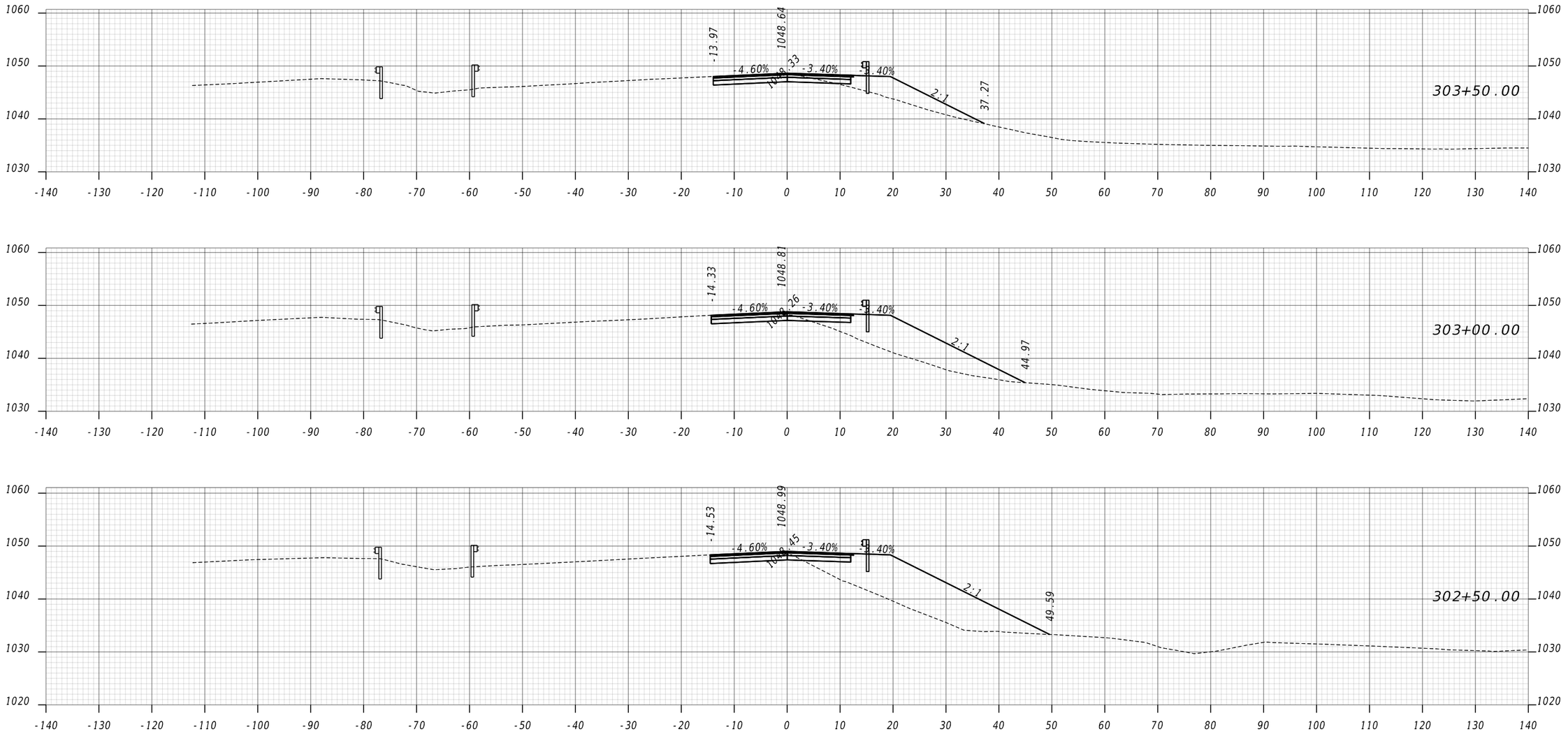


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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# US 78 WESTBOUND EXIT RAMP
# CITY OF TUCKER

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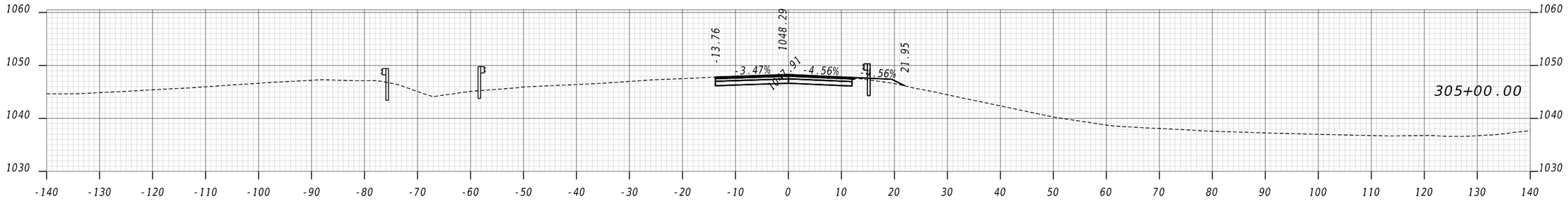
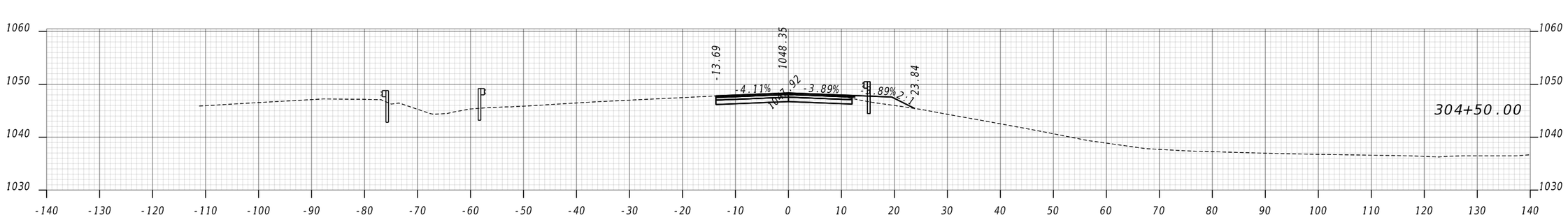
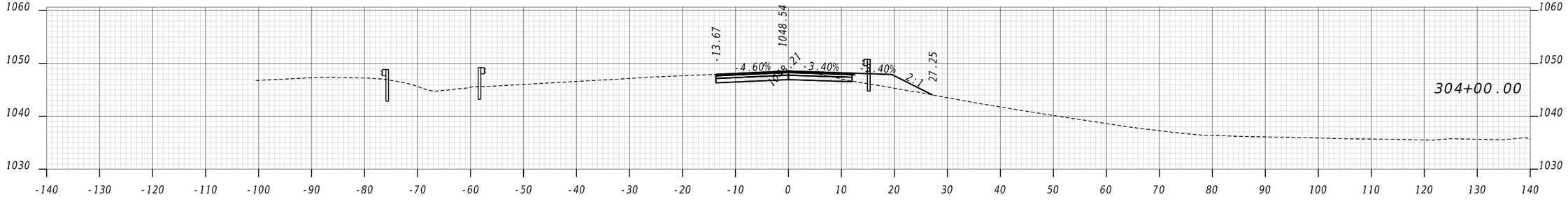
GPLN-CE
11/05/2020

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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
US 78 WESTBOUND EXIT RAMP
CITY OF TUCKER

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23-0034

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2450 Commerce Avenue
Suite 100
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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
US 78 WESTBOUND EXIT RAMP
CITY OF TUCKER

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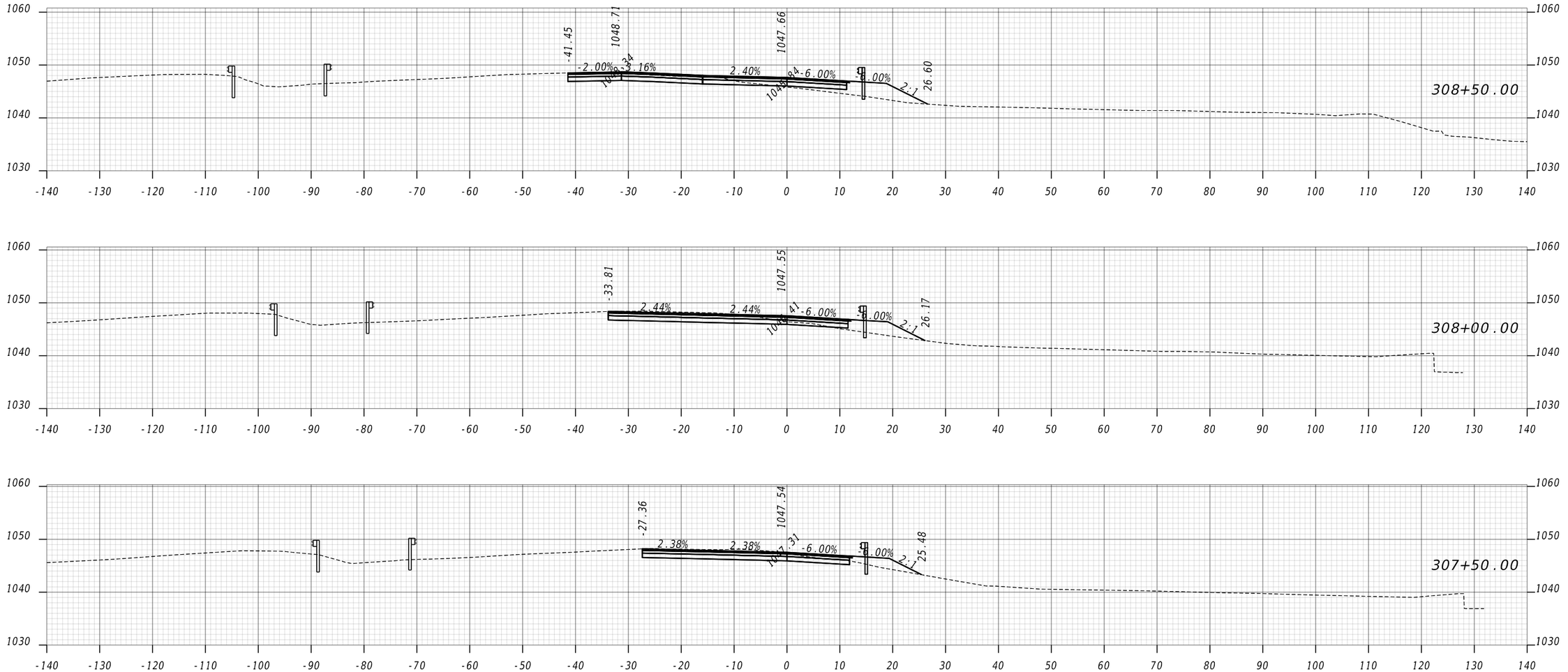
11/05/2020

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VERTICAL 1" = 20' HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
## US 78 WESTBOUND EXIT RAMP
## CITY OF TUCKER

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|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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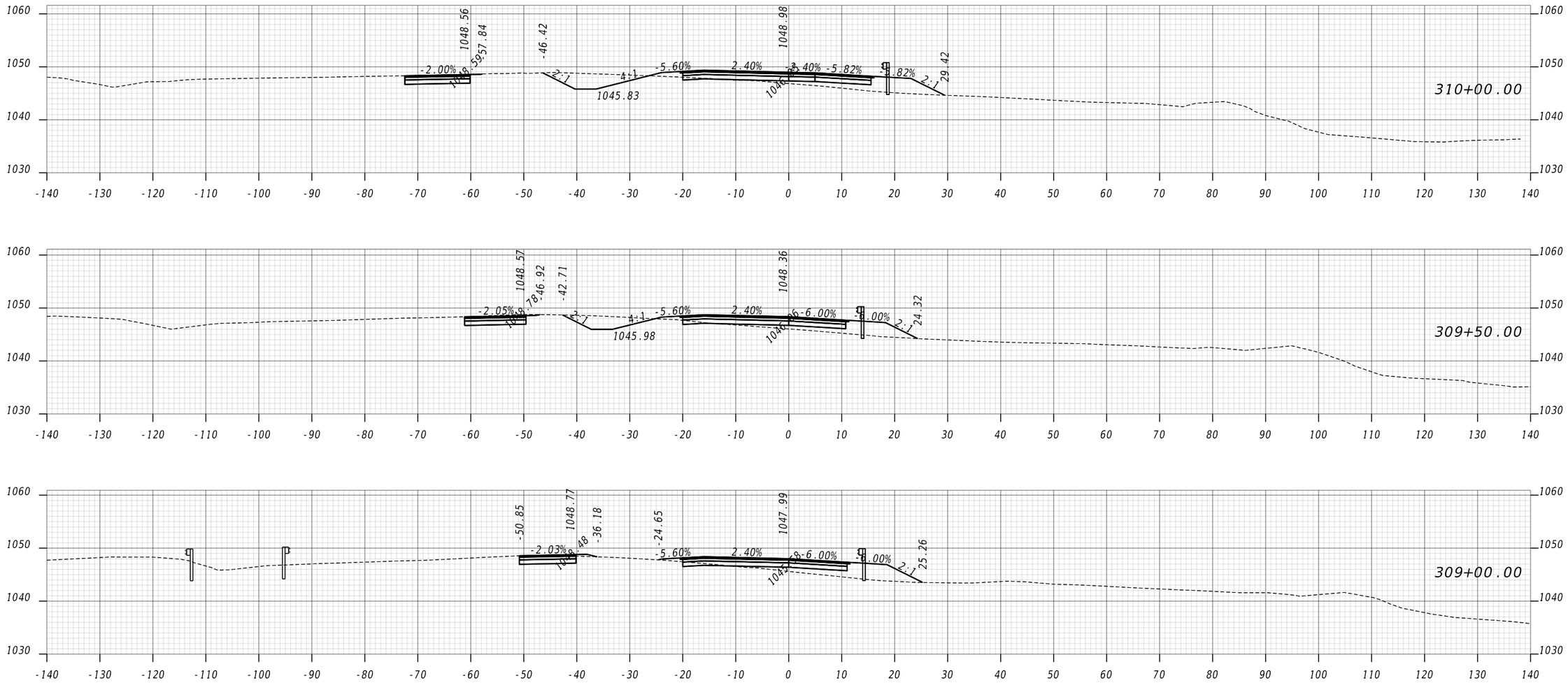


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VERTICAL 1" = 20' HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# US 78 WESTBOUND EXIT RAMP
# CITY OF TUCKER

| | | | | |
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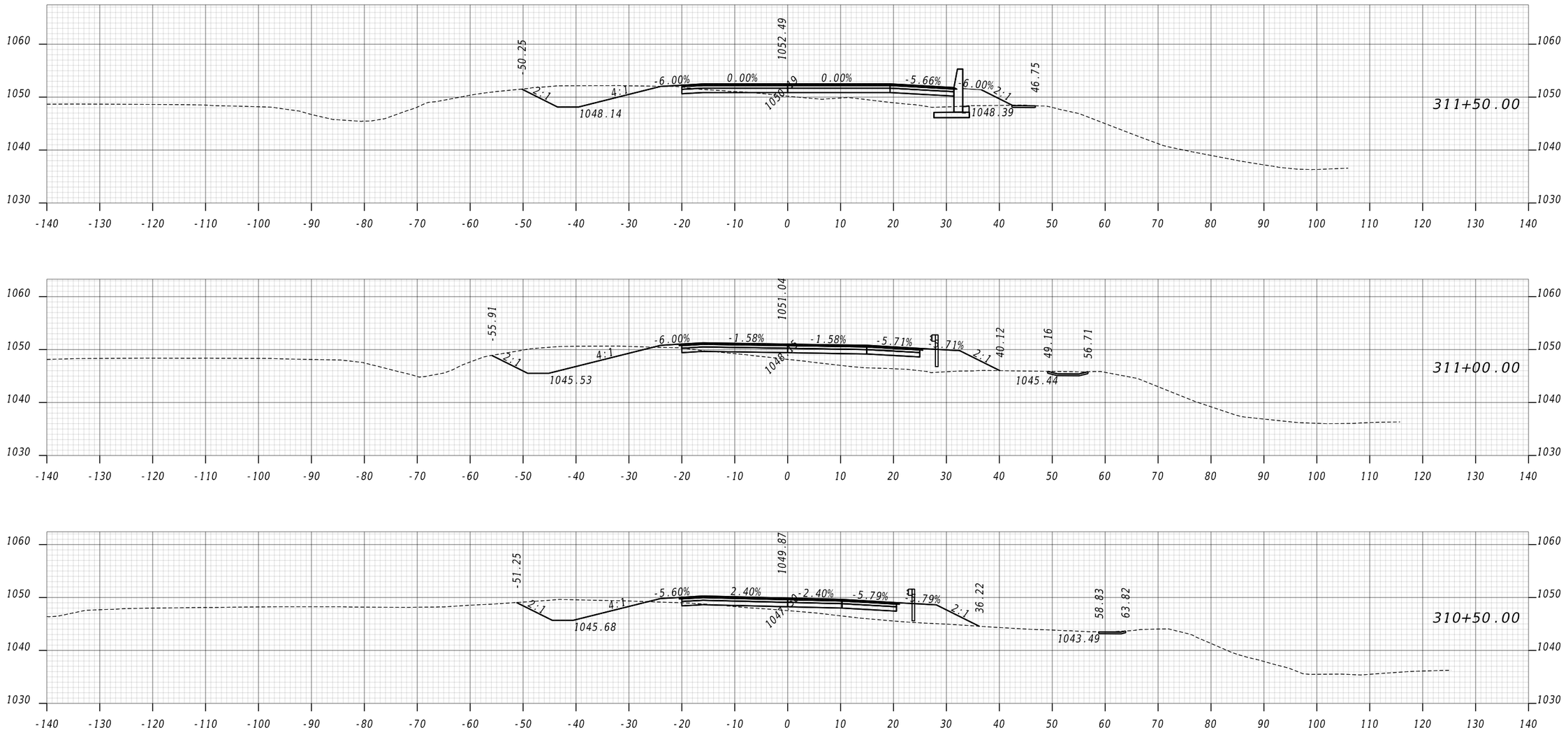
GPLN-CE
11/05/2020

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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
US 78 WESTBOUND EXIT RAMP
CITY OF TUCKER

| | | | | |
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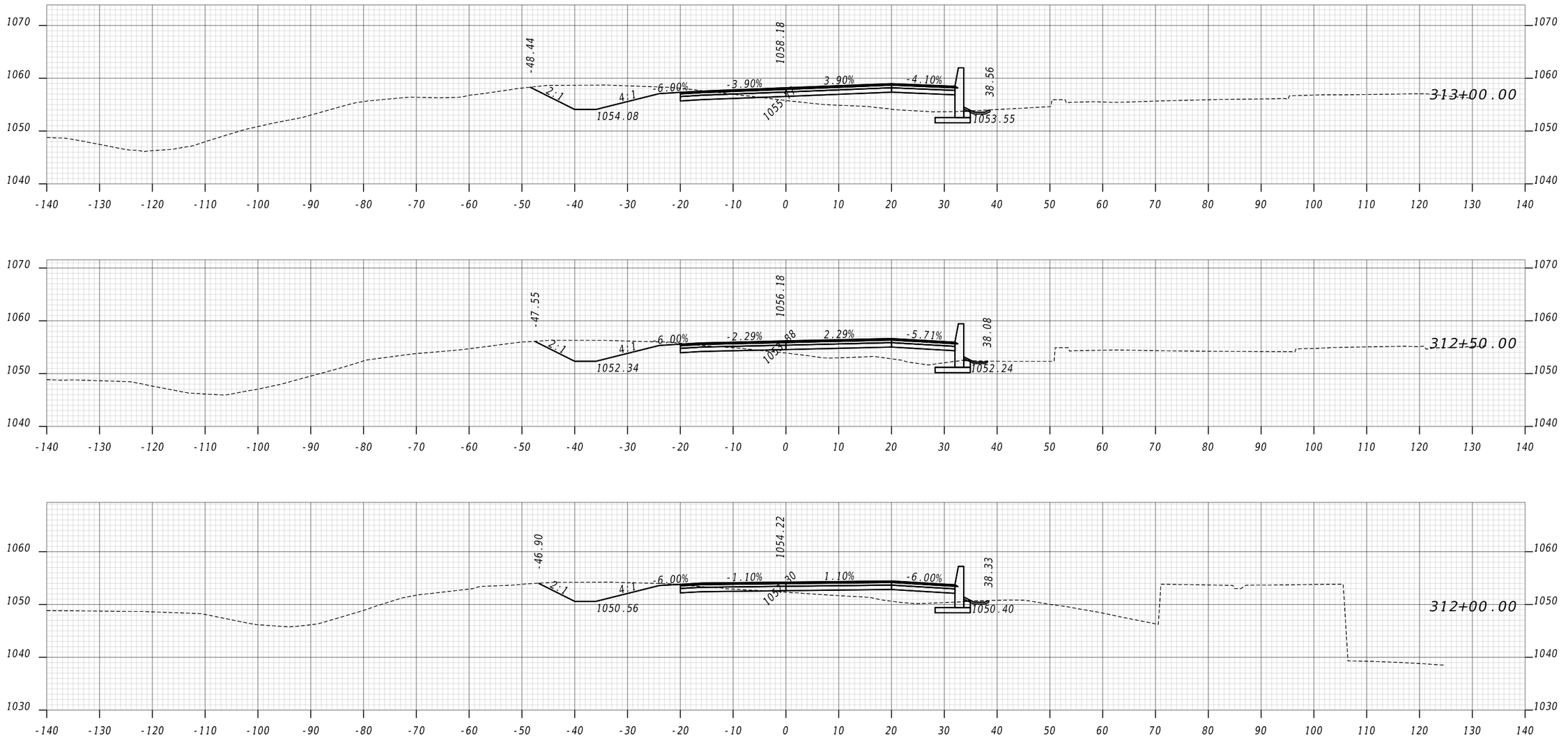
11/05/2020

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VERTICAL 1" = 20' HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# US 78 WESTBOUND EXIT RAMP
# CITY OF TUCKER

| | | | | |
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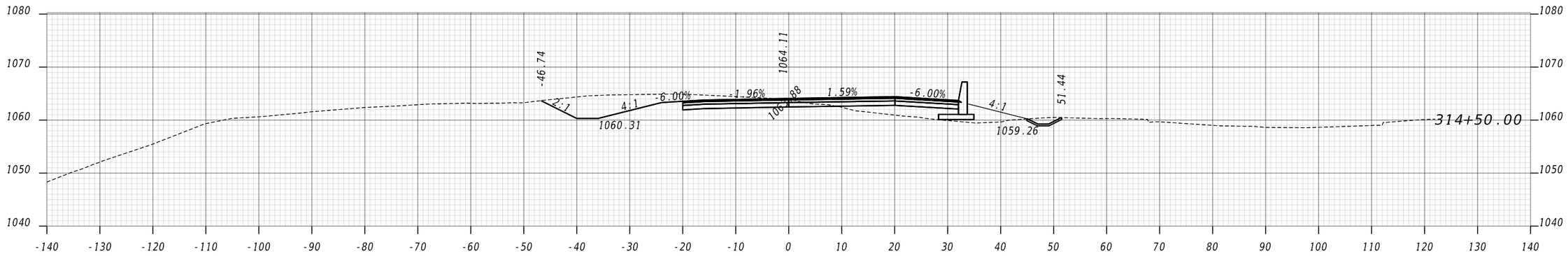
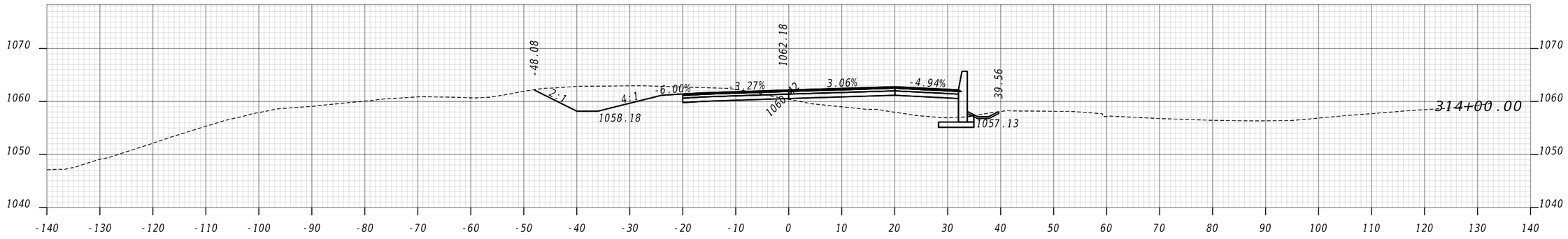
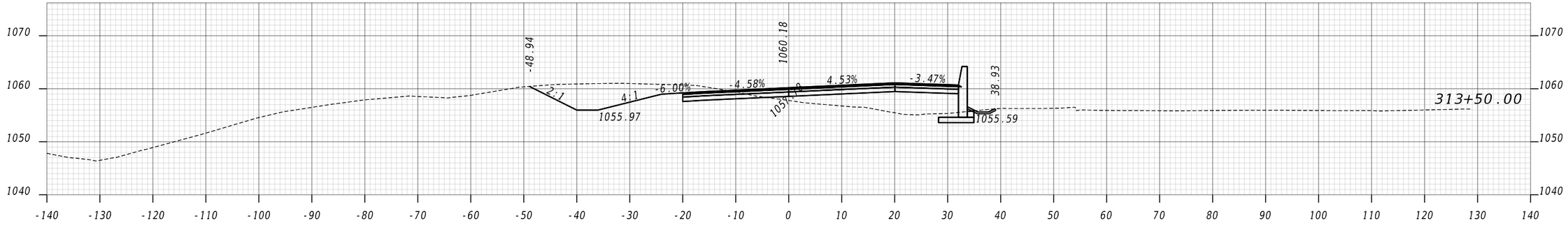
11/05/2020

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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
US 78 WESTBOUND EXIT RAMP
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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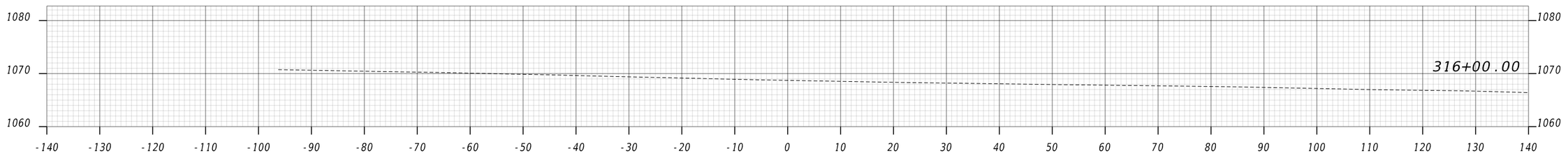
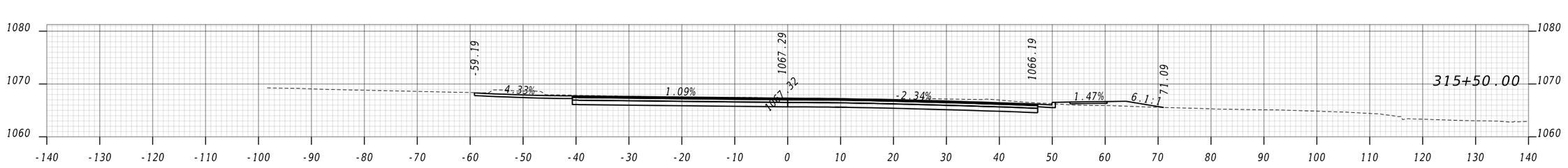
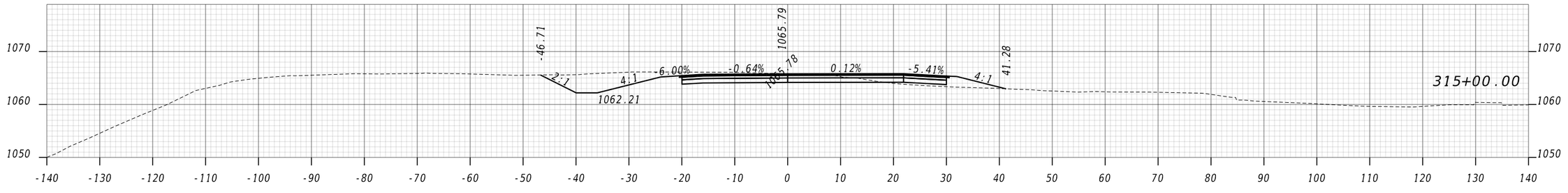
11/05/2020




ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

# EARTHWORK CROSS SECTIONS
# US 78 WESTBOUND EXIT RAMP
# CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 23-0041 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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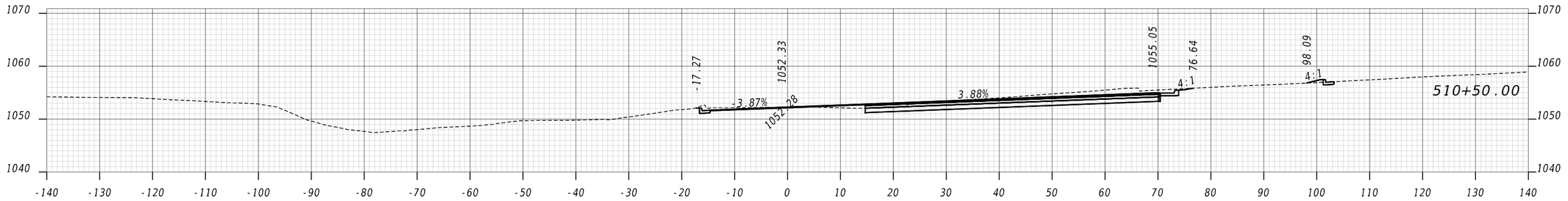


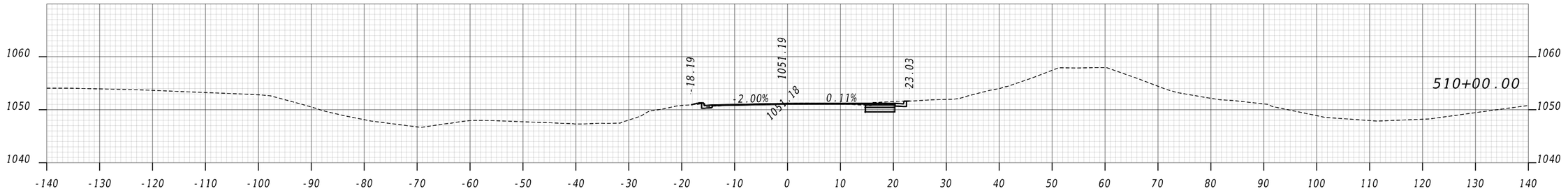


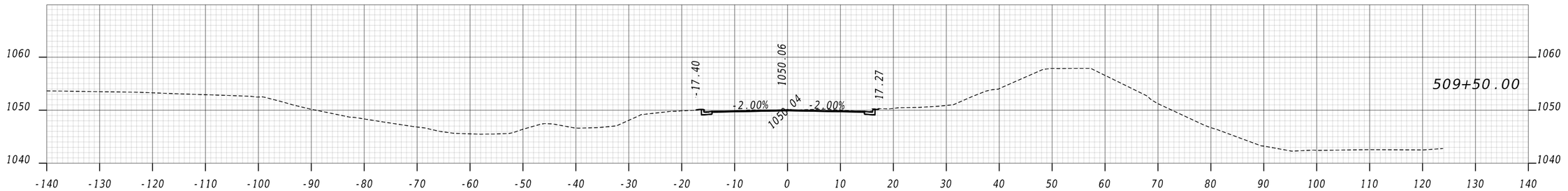


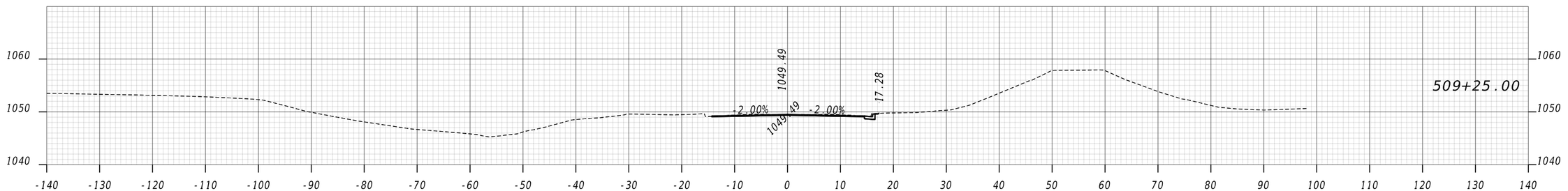


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VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
SARR PARKWAY
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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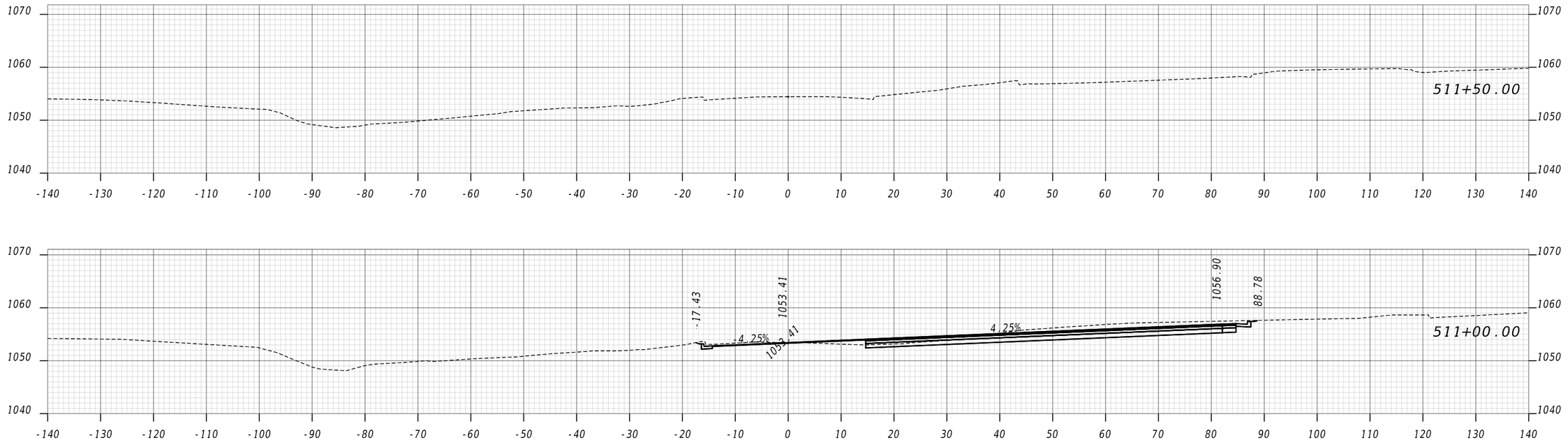


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770.263.5945

VERTICAL 1" = 20'
HORIZONTAL 1" = 20'

REVISION DATES

EARTHWORK CROSS SECTIONS
SARR PARKWAY
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
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| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

# UTILITY LINECODES

| | EXISTING | TO BE REMOVED | PROPOSED | TYPE OF UTILITY |
|---|---|---|---|---|
| OVERHEAD | E | E | E | ELECTRIC |
| | E-T | E-T | E-T | ELECTRIC/TELECOMMUNICATIONS |
| | E-TV | E-TV | E-TV | ELECTRIC/CABLE TV |
| | E-TC | E-TC | E-TC | ELECTRIC/TRAFFIC CONTROL |
| | E-T-TV | E-T-TV | E-T-TV | ELECTRIC/TELECOMMUNICATIONS/CABLE TV |
| | E-T-TV-TC | E-T-TV-TC | E-T-TV-TC | ELECTRIC/TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL |
| | E-TV-TC | E-TV-TC | E-TV-TC | ELECTRIC/CABLE TV/TRAFFIC CONTROL |
| | E-T-TC | E-T-TC | E-T-TC | ELECTRIC/TELECOMMUNICATIONS/TRAFFIC CONTROL |
| | GW | GW | GW | GUY WIRE |
| | T | T | T | TELECOMMUNICATIONS |
| | T-TC | T-TC | T-TC | TELECOMMUNICATIONS/TRAFFIC CONTROL |
| | T-TV-TC | T-TV-TC | T-TV-TC | TELECOMMUNICATIONS/CABLE TV/TRAFFIC CONTROL |
| | T-TV | T-TV | T-TV | TELECOMMUNICATIONS/CABLE TV |
| | TV | TV | TV | CABLE TV |
| | TV-TC | TV-TC | TV-TC | CABLE TV/TRAFFIC CONTROL |
| | TC | TC | TC | TRAFFIC CONTROL |
| UNDERGROUND | E | E | E | ELECTRIC (QL-D) |
| | E(C) | E(C) | | ELECTRIC (QL-C) |
| | E(B) | E(B) | | ELECTRIC (QL-B) |
| | T | T | T | TELECOMMUNICATIONS (QL-D) |
| | T(C) | T(C) | | TELECOMMUNICATIONS (QL-C) |
| | T(B) | T(B) | | TELECOMMUNICATIONS (QL-B) |
| | TV | TV | TV | CABLE TV (QL-D) |
| | TV(C) | TV(C) | | CABLE TV (QL-C) |
| | TV(B) | TV(B) | | CABLE TV (QL-B) |
| | W | W | W | WATER (QL-D) |
| | W(C) | W(C) | | WATER (QL-C) |
| | W(B) | W(B) | | WATER (QL-B) |
| | **"W | **"W | **"W | WATER FOR LABELED PIPE SIZES (QL-D) |
| | **"W(C) | **"W(C) | | WATER FOR LABELED PIPE SIZES (QL-C) |
| | **"W(B) | **"W(B) | | WATER FOR LABELED PIPE SIZES (QL-B) |
| | NW | NW | NW | NON-POTABLE WATER (QL-D) |
| | NW(C) | NW(C) | | NON-POTABLE WATER (QL-C) |
| | NW(B) | NW(B) | | NON-POTABLE WATER (QL-B) |
| | **"NW | **"NW | **"NW | NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-D) |
| | **"NW(C) | **"NW(C) | | NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-C) |
| | **"NW(B) | **"NW(B) | | NON-POTABLE WATER FOR LABELED PIPE SIZES (QL-B) |
| | STM | STM | STM | STEAM (QL-D) |
| | STM(C) | STM(C) | | STEAM (QL-C) |
| | STM(B) | STM(B) | | STEAM (QL-B) |
| | **"STM | **"STM | **"STM | STEAM FOR LABELED PIPE SIZES (QL-D) |
| | **"STM(C) | **"STM(C) | | STEAM FOR LABELED PIPE SIZES (QL-C) |
| | **"STM(B) | **"STM(B) | | STEAM FOR LABELED PIPE SIZES (QL-B) |
| | SS | SS | SS | SANITARY SEWER WITH FLOW DIRECTION (QL-D) |
| | SS(C) | SS(C) | | SANITARY SEWER WITH FLOW DIRECTION (QL-C) |
| | SS(B) | SS(B) | | SANITARY SEWER WITH FLOW DIRECTION (QL-B) |
| | Σ**"SS | Σ**"SS | Σ**"SS | SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-D) |
| | Σ**"SS(C) | Σ**"SS(C) | | SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-C) |
| | Σ**"SS(B) | Σ**"SS(B) | | SANITARY SEWER WITH FLOW DIRECTION FOR LABELED PIPE SIZES (QL-B) |
| | SFM | SFM | SFM | SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-D) |
| | SFM(C) | SFM(C) | | SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-C) |
| | SFM(B) | SFM(B) | | SANITARY SEWER FORCE MAIN WITH FLOW DIRECTION (QL-B) |
| | CS | CS | | COMBINED SANITARY SEWER WITH FLOW DIRECTION |
| | G | G | G | GAS (QL-D) |
| | G(C) | G(C) | | GAS (QL-C) |
| | G(B) | G(B) | | GAS (QL-B) |
| | **"G | **"G | **"G | GAS FOR LABELED PIPE SIZES (QL-D) |
| | **"G(C) | **"G(C) | | GAS FOR LABELED PIPE SIZES (QL-C) |
| | **"G(B) | **"G(B) | | GAS FOR LABELED PIPE SIZES (QL-B) |
| | P | P | P | PETROLEUM (QL-D) |
| | P(C) | P(C) | | PETROLEUM (QL-C) |
| | P(B) | P(B) | | PETROLEUM (QL-B) |
| | **"P | **"P | **"P | PETROLEUM FOR LABELED PIPE SIZES (QL-D) |
| | **"P(C) | **"P(C) | | PETROLEUM FOR LABELED PIPE SIZES (QL-C) |
| | **"P(B) | **"P(B) | | PETROLEUM FOR LABELED PIPE SIZES (QL-B) |
| | TC | FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS | | TRAFFIC CONTROL (QL-D) |
| | TC(C) | | | TRAFFIC CONTROL (QL-C) |
| | TC(B) | | | TRAFFIC CONTROL (QL-B) |
| | UNK(B) | UNK(B) | | UNKNOWN UTILITY FOUND IN SUE INVESTIGATION (QL-B) |

# UTILITY SYMBOLS

| EXISTING | PROPOSED | TEMPORARY | |
|---|---|---|---|
| | | | UTILITY POLE/GUY POLE |
| | | | VENT |
| | | | GUY ANCHOR |
| | | | LIGHT POLE |
| E | E | E | ELECTRIC MANHOLE |
| HE | HE | HE | ELECTRIC HAND HOLE |
| E | E | E | TRANSFORMER |
| E | E | E | ELECTRIC METER |
| E | E | E | ELECTRIC LINE MARKER U/G |
| E | E | E | ELECTRIC BOX |
| E | | | ELECTRIC YARD LIGHT POLE |
| T T | T T | T T | TRANSMISSION TOWER |
| T | T | T | TELECOMMUNICATIONS MANHOLE |
| HT | HT | HT | TELECOMMUNICATIONS HANDHOLE |
| T | T | T | TELECOMMUNICATIONS PEDESTAL |
| T | T | T | TELECOMMUNICATIONS LINE MARKER U/G |
| X | X | X | SPLICE BOX |
| SLC | SLC | SLC | SUBCRIBER LOOP CARRIER (aka "SLICK") |
| | | | PHONE BOOTH |
| | | | TELECOMMUNICATIONS CABINET |
| TV | TV | TV | CABLE TV CABINET |
| TV | TV | TV | CABLE TV MANHOLE |
| HTV | HTV | HTV | CABLE TV HANDHOLE |
| | | | CABLE TV PEDESTAL |
| | | | CABLE TV LINE MARKER U/G |
| | | | SATELLITE DISH |
| G | | | GAS YARD LIGHT POLE |
| G | G | G | GAS VALVE |
| G | G | G | GAS VALVE MARKER |
| G | G | G | GAS METER |
| G | G | G | GAS MANHOLE |
| GPR | GPR | GPR | GAS PRESSURE REGULATOR |
| G | G | G | GAS VAULT |
| GTS | GTS | GTS | GAS TEST STATION |
| G | G | G | GAS LINE MARKER U/G |

| EXISTING | PROPOSED | TEMPORARY | |
|---|---|---|---|
| P | P | P | PETROLEUM VALVE |
| P | P | P | PETROLEUM VALVE MARKER |
| P | P | P | PETROLEUM LINE MARKER U/G |
| W | W | W | WATER VALVE |
| W | W | W | WATER VALVE MARKER |
| W | W | W | WATER METER |
| W | W | W | WATER MANHOLE |
| | | | FIRE HYDRANT ASSEMBLY (INCLUDES ASSOCIATED VALVE) |
| BFP | BFP | BFP | BACKFLOW PREVENTER |
| PIV | PIV | PIV | PRESSURE INDICATOR VALVE |
| ARV | ARV | ARV | AIR RELEASE VALVE |
| W | W | W | WATER VAULT |
| | | | STAND PIPE |
| | | | WATER LINE MARKER U/G |
| | | | CLEANOUT |
| SS | SS | SS | SANITARY SEWER MANHOLE |
| ARV | ARV | ARV | AIR RELEASE VALVE |
| GT | GT | GT | GREASE TRAP |
| S | S | S | SANITARY SEWER FORCE MAIN LINE MARKER U/G |
| S | S | S | SANITARY SEWER FORCE MAIN VALVE |
| S | S | S | SANITARY SEWER FORCE MAIN VALVE MARKER |
| TC | FOR PROPOSED/TEMPORARY TRAFFIC CONTROL INFORMATION REFER TO TRAFFIC SIGNAL PLANS | | TRAFFIC CONTROL MANHOLE/ ELECTRIC COMMUNICATIONS BOX |
| | | | TRAFFIC CONTROL PEDESTRIAN SIGNAL/BUTTON POST |
| | | | TRAFFIC CONTROL CABINET |
| HTC | | | TRAFFIC CONTROL HANDHOLE/PULLBOX |

## MISCELLANEOUS

- LIMITS OF OVERHEAD AND SUBSURFACE UTILITY INVESTIGATION
- TH — TEST HOLE (QL-A ONLY)
- 123 — POLE ID
- EOI — END OF INFORMATION
- 401 — SANITARY SEWER MANHOLE (SSMH) ID
- QUALITY LEVEL (QL) DELINEATION
- C123 — CONFLICT LOCATION (UTILITY IMPACT ANALYSIS (UIA) ONLY)

## QUALITY LEVELS AND DEFINITIONS

QL-D DEPICTED ACCORDING TO UTILITY RECORD INFORMATION AND IN-FIELD VISUAL INSPECTION. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

QL-C EXISTING UTILITY STRUCTURES HAVE BEEN FIELD LOCATED AND SURVEYED TO ASSIST IN DEPICTING THE UTILITIES SHOWN ON RECORDS. NO ELECTRONIC DESIGNATING INFORMATION WAS OBTAINED.

QL-B INFORMATION WAS OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROPRIATE HORIZONTAL POSITION OF THE SUBSURFACE UTILITIES. QL-B DATA SHOULD BE REPRODUCIBLE BY SURFACE GEOPHYSICS AT ANY POINT OF THEIR DEPICTION. THIS INFORMATION IS SURVEYED TO APPLICABLE TOLERANCES DEFINED BY THE PROJECT AND REDUCED ONTO PLAN DOCUMENTS.

QL-A OBTAIN PRECISE HORIZONTAL AND VERTICAL POSITION OF THE UTILITY LINE BY EXCAVATING A TEST HOLE. THE TEST HOLE SHALL BE DONE USING VACUUM EXCAVATION OR COMPARABLE NONDESTRUCTIVE EQUIPMENT IN A MANNER AS TO CAUSE NO DAMAGE TO THE UTILITY LINE. AFTER EXCAVATING A TEST HOLE, A FIELD SURVEY SHALL BE PERFORMED TO DETERMINE THE EXACT LOCATION AND POSITION OF THE UTILITY LINE.

## TELEPHONE PAIR SIZE TABLE

| TELEPHONE PAIR SIZE | TELEPHONE CABLE DIAMETER |
|---|---|
| 5 - 100 | 0.50 TO 2.00 IN |
| 101 - 2400 | UP TO 3.50 IN |

GEORGIA811 www.Georgia811.com Contact 811 before you dig.

ATLAS
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770.263.5945

REVISION DATES

UTILITY LEGEND
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 24-0000 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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11/05/2020

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| Cathy.Wong | | gplotborder-ORD-PO-Utilities.tbl | | | 0017399 |

NO AT&T-T CONFLICTS ON THIS DRAWING

NO AT&T CONFLICTS ON THIS DRAWING

NO GPC DISTRIBUTION CONFLICTS ON THIS DRAWING

NO COMCAST APPARENT CONFLICTS ON THIS DRAWING

600PR
200PR
25PR

1-6M
SR-5892MT-072

ZYO 288FO

EXIST. COMCAST AERIAL PLANT

EX ZAYO BZEO
(3)1-1/4" HDPE DUCTS
(1)W/288CT FOC

EXISTING:
2" STEEL GAS MAIN
WT:UNK/GRADE:UNK
NOP:300 PSIG
INSTALLED: 1982
CP: HAMMER ANODE

TRANSMISSION ROUTE
NO ACCESS POINTS

AT&T-T MANHOLE #NT-23
3'X4'X3'
STA 576+10

AT&T-T 4" 4-WAY MULTI-DUCT
E/W 48 FIBER CABLE
APPROX. LOCATION BASED ON
GPS DATA

ATT MH
MI B10

GREER CIRCLE

UNK S/T

EXIST R/W

T9) 4"ATT PVC DUCT

DB

BEGIN CONSTRUCTION
STA.90+41.19
N 1393974.651
E 2287006.804

ACCESSABLE

16"DIP

MOUNTAIN INDUSTRIAL BLVD

6"CIP

UNK S/T W(B)

A-2

18"

MATCH LINE STA. 95+50.00 DRAWING No. 24-0002

EXISTING
2" GAS VALVE

LU UNK 192FO
8"STL

COM 72FO
25PR

ANMW-25

SVC

TRANSMISSION ROUTE
NO ACCESS POINTS

-6"CIP W(B)

- SOLAR POWERED
CAMERA POLE

EXIST. ZAYO
HANDHOLE

ZYO 288FO

SOLAR POWERED
CAMERA POLE

EXISTING:
8" STEEL GAS MAIN
WT:UNK/GRADE: UNK
NOP: 300 PSIG
INSTALLED: 1964
CP: HAMMER ANODE

LUMEN'S-FLEVEL-3
192 CT F.O.C.
2-1.50" HDPE
4-1.25" HDPE

| | | | |
|---|---|---|---|
| PROPERTY AND EXISTING R/W LINE | P | BEGIN LIMIT OF ACCESS.....BLA | |
| REQUIRED R/W LINE | | END LIMIT OF ACCESS.....ELA | |
| CONSTRUCTION LIMITS | C F | EXISTING LIMIT OF ACCESS | |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | | REQ'D LIMIT OF ACCESS | |
| EASEMENT FOR CONSTR OF SLOPES | | EXISTING LIMIT OF ACCESS & R/W | |
| EASEMENT FOR CONSTR OF DRIVES | | REQ'D LIMIT OF ACCESS & R/W | |
| | | ORANGE BARRIER FENCE | |
| | | ESA - ENV. SENSITIVE AREA | |


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770.263.5945


SCALE IN FEET
0 20 40 80

REVISION DATES

# UTILITY PLAN
## US 78 AT MOUNTAIN IND. BLVD.
## CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 24-0001 |
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| VERIFIED: | | DATE: | | |

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NO COMCAST APPARENT CONFLICTS ON THIS DRAWING

AT&T-T DIRECTIONAL BORE 67'
(3)-1.5" SDR-11 HDPE CONDUITS
E/W (1)-48 FIBER CABLE

AT&T-T 4" 4-WAY MULTI-DUCT
E/W 48 FIBER CABLE
APPROX. LOCATION BASED ON GPS DATA

EXISTING:
4" STEEL GAS MAIN
WT:0.154/GRADE: UNK
NOP: 300 PSIG
INSTALLED: 1970
CP: HAMMER ANODE

AT&T-T (1)-6" STEEL PIPE E/W
4" 4-WAY MULTI-DUCT E/W
48 FIBER CABLE
APPROX. LOCATION BASED ON GPS DATA

6X12X10
ATT MH
PVMI B9

TRANSMISSION ROUTE
NO ACCESS POINTS

ABANDON:
2" GAS VALVE
(CLOSED)

MATCH LINE STA. 95+50.00 DRAWING No. 24-0001

MATCH LINE STA. 219+00.00 DRAWING No. 24-0011

MATCH LINE STA. 101+50.00 DRAWING No. 24-0003

ETHIOPIAN ORTHODOX TEWAHEDO CHURCH

EXIST R/W

SARR PKWY

OBLITERATE PVMT GRADE TO DRAIN AND GRASS

US 78 EB EXIT RAMP

AT&T-T
PLACE (1)-4'X4'X4'
SPLICE MANHOLE
STA 569+17

(3) 4"ATT PVC DUCT

12" CIP

16" CIP W(B)

16"DIP

4" STL

8" STL

LUMEN'S-FLEVEL-3 COMM.
192 CT F.O.
2-1.50" HDPE
4-1.25" HDPE

LU UNK 192FO

MOUNTAIN INDUSTRIAL BLVD

MOUNTAIN IND. BLVD.
STA.98+82.58=
SARR PKWY.
STA.521+57.85
N 1394670.873
E 2286538.282

MOUNTAIN IND. BLVD.
STA.100+00.00=
US 78 EB EXIT RAMP
STA.220+44.00
N 1394777.607
E 2286789.235

N64°06'33.4"E

N81°53'49.8"E

TRANSMISSION ROUTE
NO ACCESS POINTS

ABANDON:
2" STEEL GAS MAIN
INSTALLED: 1986

ABANDON:
2" GAS VALVE
(CLOSED)

CUT & CAP
2" STEEL GAS MAIN
WT: 0.154/GRADE: A25
NOP: 300 PSIG
INSTALLED: 1986

EXISTING:
2" STEEL GAS MAIN
WT: 0.154/GRADE: A25
NOP: 300 PSIG
INSTALLED: 1986

EXISTING:
8" STEEL GAS MAIN
WT:UNK/GRADE: UNK
NOP: 300 PSIG
INSTALLED: 1964
CP: HAMMER ANODE

EXISTING:
4" GAS VALVE

7.01 IN: GPC/40"

EXISTING:
8" GAS VALVE

EXISTING:
8" GAS VALVE

EXISTING:
8" STEEL GAS MAIN
WT:0.219/GRADE: UX52
NOP: 300 PSIG
INSTALLED: 2015
CP: HAMMER ANODE

US 78 EB ENTRANCE RAMP

TC LOOP(B)

EXIST R/W & L/A

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

# UTILITY PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# CITY OF TUCKER

| CHECKED: | | DATE: | | DRAWING No. |
|---|---|---|---|---|
| BACKCHECKED: | | DATE: | | 24-0002 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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|---|---|---|---|---|
| 1/15/2026 5:25:52 PM<br>Cathy.Wong | GPLOT-V8<br>gplotborder-ORD-PO-Utilities.tbl | 0017399_24.dgn | | P.I. No.<br>0017399 |

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NO AT&T CONFLICTS ON THIS DRAWING

NO COMCAST APPARENT CONFLICTS ON THIS DRAWING

MATCH LINE STA. 101+50.00 DRAWING No. 24-0002

MATCH LINE STA. 107+50.00 DRAWING No. 24-0004

MATCH LINE STA. 314+50.00 DRAWING No. 24-0013

US 78 EASTBOUND

US 78 WESTBOUND

US 78 WB ENTRANCE RAMP

US 78 WB EXIT RAMP

MOUNTAIN IND. BLVD.
STA.104+85.97=
US 78 WB EXIT RAMP
STA 316+01.31
N 1395237.952
E 2286335.441

MOUNTAIN INDUSTRIAL BLVD

TC LOOP(B)

ATT MH
MI B8

(1)
BKTS-50
1-6.6M
SR-5B92MT-024

1-10M
BKMA-200
SR-5B92MT-072

TO POLE 112

EXISTING:
8" STEEL GAS MAIN
WT:0.219/GRADE: X52
NOP: 300 PSIG
INSTALLED: 2015
CP: HAMMER ANODE

RETIRED:
8" STEEL GAS MAIN
(ESTIMATED LOCATION)

EXISTING:
8" GAS VALVE

EXIST. ZAYO BZFO
(2)1-1/4" HDPE DUCTS
(1)W/24CT FOC

LUMEN'S-FLEVEL-3 COMM.
192 CT F.O.C.
2-1.50" HDPE
4-1.25" HDPE

TRANSMISSION
ROUTE, NO
ACCESS
POINTS

EXIST. COMCAST
UNDERGROUND PLANT

EXISTING:
8" STEEL GAS MAIN
WT:0.219/GRADE: X52
NOP: 300 PSIG
INSTALLED: UNK
CP: HAMMER ANODE

EXIST. COMCAST AERIAL PLANT

(3) 4" ATT PVC DUCT INACCESSABLE

(9) 4" ATT PVC DUCT

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# UTILITY PLAN
## US 78 AT MOUNTAIN IND. BLVD.
## CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 24-0003 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

ON THIS DRAWING | CONFLICTS ON THIS DRAWING | NO GPC DISTRIBUTION CONFLICTS ON THIS DRAWING

EXIST. COMCAST UNDERGROUND PLANT

EXISTING:
2" STEEL GAS MAIN
WT:UNK/GRADE: UNK
NOP: 300 PSIG
INSTALLED: 1970
CP: HAMMER ANODE

EXISTING:
2" STEEL GAS MAIN
WT:0.218/GRADE: X52
NOP: 300 PSIG
INSTALLED: 2015
CP: HAMMER ANODE

EXISTING:
2" GAS VALVE

EXISTING:
8" STEEL GAS MAIN
WT:0.219/GRADE: X52
NOP: 300 PSIG
INSTALLED: 2015
CP: HAMMER ANODE

SSMH 12
TOP:1058.75
INV.IN(8"RCP)NW:1051.19
INV.IN(8"RCP)E:1051.08
INV.IN(8"RCP)SE:1051.73
INV.OUT(8"RCP)W:1050.95

FROM BUILDING

8"RCP

UNK S/T

EXIST. COMCAST AERIAL PLANT

EXISTING:
8" STEEL GAS MAIN
WT:0.219/GRADE: X52
NOP: 300 PSIG
INSTALLED: 2015
CP: HAMMER ANODE

EXIST. COMCAST UNDERGROUND PLANT

1-10M
BKMA-200
SR-5B92MT-072

(9) 4"ATT PVC DUCT

UNK S/T W(B)

16"DIP W(B)

MOUNTAIN INDUSTRIAL BLVD

LUMEN'S-FLEVEL-3 COMM.
192 CT F.O.C.
2-1.50" HDPE
4-1.25" HDPE

LU UNK 192FO

8"CIP W(B)

6"PVC

ZYO 24FO

EXIST. ZAYO BZFO
(2)1-1/4" HDPE DUCTS
(1)W/24CT FOC

RETIRED:
8" STEEL GAS MAIN
(ESTIMATED LOCATION)

EXISTING:
2" STEEL GAS MAIN
WT:UNK/GRADE: UNK
NOP: 300 PSIG
INSTALLED:1972
CP:HAMMER ANODE

6"CIP W(B)

EXIST. ZAYO HANDHOLE

1-6M
BKMA-300

RETIRED:
2" STEEL GAS MAIN
(ESTIMATED LOCATION)

EXIST. COMCAST AERIAL PLANT

TRANSMISSION ROUTE
NO ACCESS POINTS

EXIST. COMCAST UNDERGROUND PLANT

EXISTING:
2" GAS VALVE

400PR
48FO
600PR

EXISTING:
2" STEEL GAS MAIN
WT:UNK/GRADE: UNK
NOP: 300 PSIG
INSTALLED: 1972
CP: HAMMER ANODE

HAMMERMILL ROAD

SSMH 11
TOP:1065.18
INV.IN(8"RCP)E:1060.18
INV.IN(2"UNK)S:1061.28
INV.OUT(8"RCP)W:1058.36

SSMH 26
TOP:1064.99
MANHOLE FULL

SSMH 24
TOP:1065.18
MANHOLE FULL

EXISTING:
2" STEEL GAS MAIN
WT:0.154/GRADE: X52
NOP: 300 PSIG
INSTALLED:2015
CP:HAMMER ANODE

SSMH 21
TOP:1059.37
INV.IN(4"PVC):1056.07
INV.OUT(8"RCP):1056.06

SSMH 20
TOP:1060.41
INV.IN(8"RCP)E:1054.23
INV.IN(8"RCP)W:1054.39
INV.OUT(8"RCP)N:1054.11

MATCH LINE STA. 107+50.00 DRAWING No. 24-0003

MATCH LINE STA. 113+50.00 DRAWING No. 24-0005

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLAN
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 24-0004 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

| 1/15/2026 | 5:25:53 PM | GPLOT-V8 | 0017399_24.dgn | | P.I. No. |
|---|---|---|---|---|---|
| Cathy.Wong | | gplotborder-ORD-PO-Utilities.tbl | | | 0017399 |

NO AT&T CONFLICTS ON THIS DRAWING

NO ZAYO FACILITIES ON THIS SHEET

NO COMCAST APPARENT CONFLICTS ON THIS DRAWING

NO GPC DISTRIBUTION CONFLICTS ON THIS DRAWING

N

EXISTING:
8" STEEL GAS MAIN
WT:0.219/GRADE: X52
NOP: 300 PSIG
INSTALLED: UNK
CP: HAMMER ANODE
FROM BUILDING

EXISTING:
8" STEEL GAS MAIN
WT:0.219/GRADE: X52
NOP: 300 PSIG
INSTALLED: UNK
CP: HAMMER ANODE

MATCH LINE STA. 113+50.00 DRAWING No. 24-0004

MATCH LINE STA. 119+50.00 DRAWING No. 24-0006

MOUNTAIN INDUSTRIAL BLVD

SSMH 14
TOP:1061.13
INV.IN(8"RCP)S:1054.09
INV.IN(8"RCP)W:1054.39
INV.OUT(8"RCP)N:1054.05

SSMH 15
TOP:1064.38
INV.IN(8"RCP)E:1052.46
INV.IN(8"RCP)S:1052.14
INV.OUT(8"RCP)N:1052.08

SSMH 22
TOP:1064.04
INV.IN(4"PVC)NE:1060.28
INV.IN(4"PVC)E:1060.36
INV.OUT(8"RCP)W:1058.32

LUMEN'S-FLEVEL-3
192 CT F.O.C.
2-1.50" HDPE
4-1.25" HDPE

LU UNK 192FO

ATT MH
MI B6
SR-5BQ2MT-072

SR-5BQ2MT-048

1-10M
BKMA-100
SR-5B92MT-072

EXIST. COMCAST
UNDERGROUND PLANT

EXIST. COMCAST
AERIAL PLANT

TO BILLBOARD

TO POLE 76

1-10M
BKMA-200

PVT E(B)

RETIRED:
8" STEEL GAS MAIN
(ESTIMATED LOCATION)

100PR

COM 24 FO

SVC W(B)

COM 24FO

FROM BUILDING -100PR-1

| | | | |
|---|---|---|---|
| PROPERTY AND EXISTING R/W LINE | P | BEGIN LIMIT OF ACCESS.....BLA | |
| REQUIRED R/W LINE | | END LIMIT OF ACCESS.....ELA | |
| CONSTRUCTION LIMITS | C F | EXISTING LIMIT OF ACCESS | |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | | REQ'D LIMIT OF ACCESS | |
| EASEMENT FOR CONSTR OF SLOPES | | EXISTING LIMIT OF ACCESS & R/W | |
| EASEMENT FOR CONSTR OF DRIVES | | REQ'D LIMIT OF ACCESS & R/W | |
| | | ORANGE BARRIER FENCE | |
| | | ESA - ENV. SENSITIVE AREA | |


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770.263.5945


SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLAN
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 24-0005 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

| 1/15/2026 | 5:25:54 PM | GPLOT-V8 | 0017399_24.dgn | | P.I. No. |
|---|---|---|---|---|---|
| Cathy.Wong | | gplotborder-ORD-PO-Utilities.tbl | | | 0017399 |

NO AT&T CONFLICTS ON THIS DRAWING

NO COMCAST APPARENT CONFLICTS ON THIS DRAWING

NO GPC DISTRIBUTION CONFLICTS ON THIS DRAWING

MATCH LINE STA. 119+50.00 DRAWING No. 24-0005

MATCH LINE STA. 125+50.00 DRAWING No. 24-0007

EXISTING: 4" STEEL GAS MAIN WT:0.188/GRADE: X52 NOP: 300 PSIG INSTALLED: UNK CP: HAMMER ANODE

CUT & CAP TIE-INTO 8" STEEL GAS MAIN WT:0.188/GRADE: X52 NOP: 300 PSIG INSTALLED: UNK

INSTALL TEST STATION & 17 ANODE

SSMH 16 TOP:1068.51 INV.IN(8"RCP)W:1050.51 INV.IN(8"RCP)S:1050.27 INV.IN(8"RCP)E:1050.39 INV.OUT(8"RCP)N:1050.23

VERIZON 1-2" HDPE W/ 432 FOC

VERIZON HH

PROPOSED 250' X 8" STEEL GAS MAIN WT:0.219/GRADE: X52 NOP: 300 PSIG CP: HAMMER ANODE

CONTRACTOR TO BORE 350' OF (3) 1-1/4" HDPE DUCTS, (1) W/ 48CT FOC FROM EXIST. HANDHOLE TO EXIST. HANDHOLE

EXISTING ZAYO HANDHOLE 48CT FOC W/ SPLICE CASE

USE EXIST. HANDHOLE. SPLICE PROPOSED 48CT FOC TO EXIST. 48CT FOC

CUT & CAP TIE-INTO 8" STEEL GAS MAIN WT:0.188/GRADE: X52 NOP: 300 PSIG INSTALLED: UNK

INSTALL TEST STATION & 17 ANODE

ABANDON: 8" STEEL GAS MAIN INSTALLED: UNK

EXISTING ZAYO BZFO (2) 1-1/4" HDPE DUCTS (1) W/ 12CT FOC

SSMH 19 TOP:UNKNOWN INACCESSABLE PLACED PER RECORDS

MIN. 8' DEPTH. COORDINATE WITH CONTRACTOR TO ENSURE MIN. 2' CLEARANCE FROM PROPOSED DRAINAGE STRUCTURE

SSMH 19

REQD R/W

5' DEPTH MIN.

ZYO 48FO

5' DEPTH MIN.

EXIST. 48CT BFOC, TO BE PLACED OUT OF SERVICE AND ABANDONED

PLACE OUT OF SERVICE AND ABANDON FIBER AND HANDHOLE

SSMH 17 TOP:UNKNOWN INACCESSABLE PLACED PER RECORDS

UNK S/T

LAM UNK S/T

8" CIP W(B)

8"RCP

16"DIP

8"STL

EXIST R/W

FROM BUILDING

SVC W(B)

TRANSMISSION NO ACCESS PO

SR-5B02-T48

DB

EXIST R/W

EXIST. COMCAST UNDERGROUND PLANT

COM 24FO

1-10M BKMA-200

PVT

PVT E(B)

EXISTING: 4" GAS VALVE

RETIRED: 4" STEEL GAS MAIN (ESTIMATED LOCATION)

FENCE

EXISTING: 4" STEEL GAS MAIN WT:0.188/GRADE: X52 NOP: 300 PSIG INSTALLED: UNK CP: HAMMER ANODE

EXISTING ZAYO BZFO (2) 1-1/4" HDPE DUCTS (1) W/ 48CT FOC

COM 24FO

LAM UNK S/T

8" CIP

200PR 48FO

ZYO 48FO

HAMMERMILL ROAD

6" CIP W(B)

EXIST. COMCAST UNDERGROUND PLANT

- TRANSMISSION ROUTE NO ACCESS POINTS

INACCESSABLE

LUMEN'S-FLEVEL-3 COMM. 192 CT F.O.C. 2-1.50" HDPE 4-1.25" HDPE

LU UNK 192FO

ANMW-990

COM 48FO

EXIST. COMCAST AERIAL PLANT

EXIST. COMCAST UNDERGROUND PLANT

TO BILLBOARD

ELIZABETH ANN DR

ROGER MARTEN WAY

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS | BLA |
| END LIMIT OF ACCESS | ELA |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |


ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945


SCALE IN FEET

0 20 40 80

REVISION DATES

# UTILITY PLAN
## US 78 AT MOUNTAIN IND. BLVD.
## CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 24-0006 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE 11/05/2020

NO AT&T CONFLICTS ON THIS DRAWING

NO COMCAST APPARENT CONFLICTS ON THIS DRAWING

NO GPC DISTRIBUTION CONFLICTS ON THIS DRAWING

N

TO POLE 98

EXISTING ZAYO BZFO
(2) 1-1/4" HDPE DUCTS
(1) W/ 48CT FOC

CONTRACTOR TO BORE (3) 1-1/4" HDPE DUCTS, (1) W/ 48CT FOC
FROM EXIST. HANDHOLE TO EXIST. HANDHOLE

EXIST. COMCAST AERIAL PLANT

ZYO 125FO
T(B)
25PR
24FO

USE EXIST. HANDHOLE. INSTALL SPLICE CASE, SPLICE PROPOSED 48CT FOC TO EXISTING 48CT FOC

EXISTING:
8" STEEL GAS MAIN
WT:0.219/GRADE: X52
NOP: 300 PSIG
INSTALLED: UNK
GP: HAMMER ANODE

END PROJECT
PI#0017399
MOUNTAIN IND. BLVD
STA.126+50.00
N 1397359.057
E 2286189.057

VERIZON 2"
VERIZON 1 2" HDPE
W/ 432FOC

8"STL
ZYO 125PR
24FO
25PR
16"DIP
LAM UNK S/T

EXIST. 48CT BFOC, TO BE PLACED OUT OF SERVICE AND ABANDONED

SSMH 18
TOP:1067.00
INV.IN(8"RCP)W:1050.68
INV.IN(8"RCP)N:1050.44
INV.IN(8"RCP)E:1050.68
INV.OUT(8"RCP)S:1050.40

FROM SSMH 18

8"RCP

FROM BUILDING

MOUNTAIN INDUSTRIAL BLVD

EXIST R/W

126+00 127+00 128+00 129+00 130+00 131+00

MATCH LINE STA. 125+50.00 DRAWING No. 24-0006

6"CIP W(B)

END CONSTRUCTION
STA 126+21.36
N 1397359.120
E 2286189.057

LU UNK 192FO

INACCESSABLE

EXISTING ZAYO AERIAL FOC

1-10M
BKMA-50

EXIST. COMCAST AERIAL PLANT

LUMEN'S-FLEVEL-3 COMM.
192 CT F.O.C.
2-1.50" HDPE
4-1.25" HDPE

RETIRED:
8" STEEL GAS MAIN
(ESTIMATED LOCATION)

T-TV(OH)

ROGER MARTEN WAY

SSMH 20

TO SSMH 20

| | | | |
|---|---|---|---|
| PROPERTY AND EXISTING R/W LINE | | BEGIN LIMIT OF ACCESS.....BLA | |
| REQUIRED R/W LINE | | END LIMIT OF ACCESS.....ELA | |
| CONSTRUCTION LIMITS | -C-F- | EXISTING LIMIT OF ACCESS | |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | | REQ'D LIMIT OF ACCESS | |
| EASEMENT FOR CONSTR OF SLOPES | | EXISTING LIMIT OF ACCESS & R/W | |
| EASEMENT FOR CONSTR OF DRIVES | | REQ'D LIMIT OF ACCESS & R/W | |
| | | ORANGE BARRIER FENCE | |
| | | ESA - ENV. SENSITIVE AREA | |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLAN
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 24-0007 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

NO AT&T CONFLICTS ON THIS DRAWING

NO COMCAST APPARENT CONFLICTS ON THIS DRAWING

NO LUMEN FACILITIES ON THIS DRAWING

NO GPC DISTRIBUTION CONFLICTS ON THIS DRAWING

IS 1A-25' STREAM BUFFER

PS 1

PER RECORDS NOT FOUND IN THE FIELD

LIMIT OF CONSTRUCTION
US 78 WESTBOUND
STA 397+50.00
N 1394941.411
E 2284182.075

398+00 399+00 400+00 401+00 402+00

US 78 WESTBOUND

N88°10'59.4"E

200+00 201+00 202+00

LIMIT OF CONSTRUCTION
US 78 EB EXIT RAMP
STA 200+00.00
N 1394894.965
E 2284456.059

US 78 EASTBOUND

S88°54'48.8"E US 78 EB EXIT RAMP

EXIST. GR

EXISTING:
4" STEEL GAS MAIN
WT:0.156/GRADE: UNK
NOP:300 PSIG
INSTALLED: 1970
CP: HAMMER ANODE

25' STREAM BUFFER

SSMH 7
TOP:1033.87
MANHOLE FULL

1-10M
BKMA-200

UNK S/T

SSMH 8
TOP:1037.88
INV.IN(8"RCP)SE:1029.80
INV.IN(8"RCP)S:1029.77
INV.OUT(8"RCP)W:1028.75

SSMH 9
TOP:1039.62
INV.IN(8"RCP)SE:1030.18
INV.IN(8"RCP)N:1029.94
INV.OUT(8"RCP)W:1030.56

EXIST LANDSCAPE TO REMAIN

SSMH 10
TOP:1037.88
MANHOLE FULL

SSMH 6
TOP:1035.89
INV.IN(8"RCP
INV.IN(8"RCP
INV.OUT(8"RC

8"RCP

SARR PKWY

E-T(OH)

4"STL

ZYO UNK S/T

EXIST. ZAYO 12CT FOC

ZYO UNK S/T TO POLE 33

12"CIP

PLUGGED NO LONGER FLOWS

EXISTING:
2" GAS VALVE

EXISTING:
2" STEEL GAS MAIN
WT:UNK/GRADE:UNK

EXIST 8"RCP SS(C) FROM SSMH 9

MATCH LINE STA. 202+00.00 DRAWING No. 24-0009

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLAN
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 24-0008 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

NO ZAYO FACILITIES ON THIS SHEET

NO AT&T CONFLICTS ON THIS DRAWING

NO COMCAST APPARENT CONFLICTS ON THIS DRAWING

NO LUMEN FACILITIES ON THIS DRAWING

N

PROP. OVHD SIGN STRUCTURE, TP 1
STA.408+18.79
2.71' RT

PROP. OVHD SIGN STRUCTURE, TP 1
STA.207+98.74
20.47' RT

US 78 WESTBOUND

US 78 EASTBOUND

US 78 EB EXIT RAMP

N88°10'59.4"E

N88°08'04.5"E

MATCH LINE STA. 202+00.00 DRAWING No. 24-0008

MATCH LINE STA. 208+00.00 DRAWING No. 24-0010

SSMH 5
TOP:1037.26
INV.IN(8"RCP)E:1029.88
INV.IN(6"RCP)S:1030.18
INV.OUT(8"RCP)W:1029.86

)E:1028.66
)S:1029.11
P)W:1028.59

SSMH 4
TOP:1044.36
INV.IN(8"RCP)E:1035.83
INV.IN(6"RCP)S:1036.06
INV.OUT(8"RCP)W:1035.80

EXIST L/A @ EXIST L/A FENCE TO REMAIN

1-10M BKMA-200

8"RCP FROM SSMH 10

8"RCP

6"CIP W(B)

12"CIP

4"STL

EXIST R/W

SARR PKWY

FROM BUILDING

EXISTING:
4" STEEL GAS MAIN
WT:0.156/GRADE: UNK
NOP: 300 PSIG
INSTALLED: 1970
CP:HAMMER ANODE

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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REVISION DATES

UTILITY PLAN
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 24-0009

GPLN-CE 11/05/2020

AT&T WILL RELOCATE TO PROP. POWER POLES

NO COMCAST APPARENT CONFLICTS ON THIS DRAWING

NO LUMEN FACILITIES ON THIS DRAWING

NO ZAYO FACILITIES ON THIS SHEET

PLACE (1)-48 FIBER CABLE TO EXISTING SPLICE @ MH NT-19S ON TUCKER INC. BLVD. STA 527+95 3,150'

MATCH LINE STA. 208+00.00 DRAWING No. 24-0009

MATCH LINE STA. 214+00.00 DRAWING No. 24-0011

US 78 WESTBOUND EXIST. GR

US 78 EASTBOUND

N88°10'59.4"E

S81°36'05.1"E

AT&T-T (1)-12" STEEL PIPE E/W
4" 4-WAY MULTI-DUCT E/W
48 FIBER CABLE
APPROX. LOCATION BASED ON GPS DATA

SSMH 3
TOP:1051.94
INV.IN(8"RCP)SE:1044.58
INV.IN(8"RCP)S:1044.75
INV.IN(8"RCP)W:1044.54
INV.OUT(8"RCP)W:1044.54

AT&T-T DUCTS/CABLE & END OF 12" STEEL PIPE WILL BE UNDERNEATH THE NEW US 78 EB EXIT RAMP ASPHALT

AT&T-T
PLACE 50'-12" SPLIT STEEL PIPE

AT&T-T DUCTS/CABLE WILL BE UNDERNEATH THE NEW US 78 EB EXIT RAMP ASPHALT

AT&T-T 4" 4-WAY MULTI-DUCT E/W
48 FIBER CABLE
APPROX. LOCATION BASED ON GPS DATA

AT&T-T MANHOLE #NT-22
3'X4'X3'
STA 559+45
APPROX. LOCATION
BASED ON GPS DATA

ABANDON:
4" STEEL GAS MAIN
INSTALLED: UNK

EXISTING:
4" STEEL GAS MAIN
WT:0.156/GRADE: UNK
NOP: 300 PSIG
INSTALLED: 1970
CP: HAMMER ANODE

EXIST L/A @ EXIST L/A FENCE TO REMAIN

1-10M BKMA-200

REMOVE EXISTING L/A FENCE

TRANSMISSION ROUTE
NO ACCESS POINTS

UNK S/T

IN: GPC/55' CONC T#113670

RECONST 1019B

SARR PKWY

8"RCP (C)SS

6"CIP W(B)

12"CIP

12"STL

EXIST R/W

REQ'D R/W

LIMIT OF CONSTRUCTION
SARR PARKWAY
STA 509+25.00
N 1394798.984
E 2285331.253

ABANDONED POLE

CUT & CAP
TIE-INTO 4" STEEL GAS MAIN
WT:0.156/GRADE: X52
NOP: 300 PSIG
INSTALLED: 1970
INSTALL TEST STATION & 17 ANODE

PROPOSED
195' X 4" STEEL GAS MAIN
WT:0.156/GRADE: X52
NOP: 300 PSIG
CP: HAMMER ANODE

AT&T-T
DIRECTIONAL BORE 392'
(3)-1.5" SDR-11 HDPE CONDUITS
E/W (1)-48 FIBER CABLE

CUT & CAP
TIE-INTO 4" STEEL GAS MAIN
WT:0.156/GRADE: X52
NOP: 300 PSIG
INSTALLED: 1970
INSTALL TEST STATION & 17 ANODE

ETHIOPIAN EVANGELICAL CHURCH

EXISTING:
4" STEEL GAS MAIN
WT:0.156/GRADE: UNK
NOP: 300 PSIG
INSTALLED: 1970
CP:HAMMER ANODE

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | -------P------- |
| REQUIRED R/W LINE | ——— |
| CONSTRUCTION LIMITS | --C--F-- |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS.....BLA | |
| END LIMIT OF ACCESS.....ELA | |
| EXISTING LIMIT OF ACCESS | — — ∞∞ — — |
| REQ'D LIMIT OF ACCESS | ——— ∞∞ ——— |
| EXISTING LIMIT OF ACCESS & R/W | -------\|\|------- |
| REQ'D LIMIT OF ACCESS & R/W | ——— \|\|\| ——— |
| ORANGE BARRIER FENCE | ●——●——● |
| ESA - ENV. SENSITIVE AREA | |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

UTILITY PLAN
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 24-0010 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE 11/05/2020

US 78 EASTBOUND

TC(B) TC(B) TC(B) TC(B) TC(B)

AT&T WILL RELOCATE TO PROP. POWER POLES

NO ZAYO FACILITIES ON THIS SHEET

NO COMCAST APPARENT CONFLICTS ON THIS DRAWING

NO LUMEN FACILITIES ON THIS DRAWING

N

MATCH LINE STA. 214+00.00 DRAWING No. 24-0010

214+00 215+00 216+00 217+00 218+00 219+00

515+00 516+00 517+00 518+00 519+00

MATCH LINE STA. 219+00.00 DRAWING No. 24-0002

REMOVE EXISTING L/A FENCE

US 78 EB EXIT RAMP

AT&T-T DUCTS/CABLE WILL BE UNDERNEATH THE NEW US 78 EB EXIT RAMP ASPHALT

AT&T-T 4" 4-WAY MULTI-DUCT E/W 48 FIBER CABLE APPROX. LOCATION BASED ON GPS DATA

TRANSMISSION ROUTE NO ACCESS POINTS

1-10M BKMA-200

S82°18'26.3"E

S69°17'22.2"E

8"RCP

UNK S/T

UNK S/T W(B)

4"STL W(B)

12"CIP W(B)

6"CIP W(B)

EXIST R/W

FROM BUILDING

SVC W(B)

6x10x7

IN: GPC/55'

SSMH 2
TOP:1061.87
INV.IN(8"RCP)SE:1054.52
INV.IN(6"RCP)S:1054.81
INV.IN(8"RCP)NW:1054.49
INV.OUT(8"RCP)

59.01

54.01

55.01

AT&T-T DIRECTIONAL BORE 513'
(3)-1.5" SDR-11 HDPE CONDUITS
E/W (1)-48 FIBER CABLE

EXISTING:
4" STEEL GAS MAIN
WT:0.156/GRADE: UNK
NOP: 300 PSIG
INSTALLED: 1970
CP:HAMMER ANODE

SSMH 1
TOP:1073.21
INACCESSABLE

IN: GPC/55' CONC

PVI

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# UTILITY PLAN
## US 78 AT MOUNTAIN IND. BLVD.
## CITY OF TUCKER

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 24-0011

GPLN-CE 11/05/2020

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|---|
| NO AT&T FACILITIES ON THIS DRAWING |
| NO AT&T CONFLICTS ON THIS DRAWING |
| NO ZAYO FACILITIES ON THIS SHEET |
| NO LUMEN FACILITIES ON THIS DRAWING |

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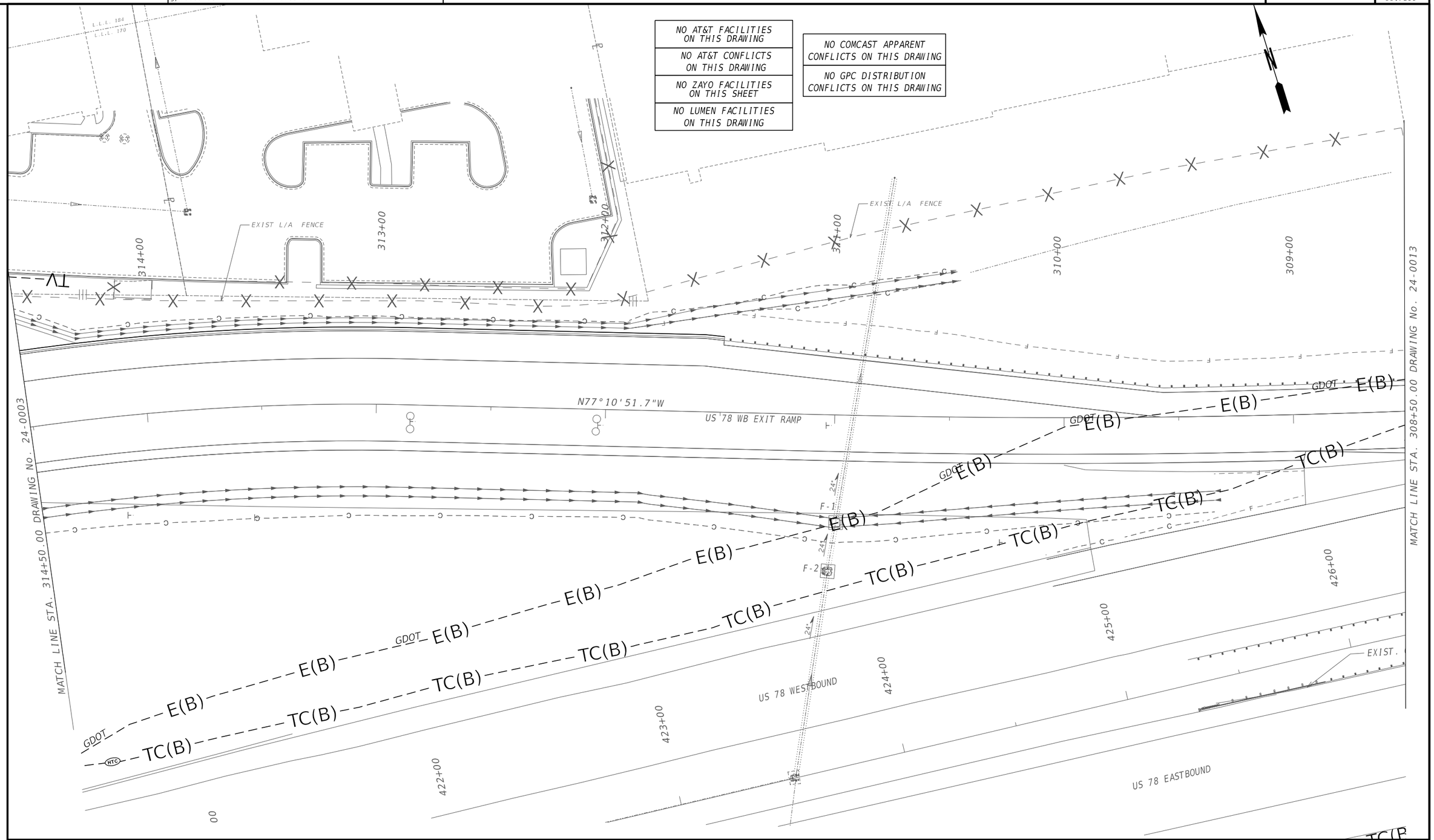
|---|
| NO COMCAST APPARENT CONFLICTS ON THIS DRAWING |
| NO GPC DISTRIBUTION CONFLICTS ON THIS DRAWING |




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
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| | ESA - ENV. SENSITIVE AREA |

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REVISION DATES

UTILITY PLAN
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 24-0012 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE 11/05/2020

EXIST L/A FENCE

NO AT&T FACILITIES ON THIS DRAWING
NO AT&T CONFLICTS ON THIS DRAWING

NO ZAYO FACILITIES ON THIS SHEET
NO LUMEN FACILITIES ON THIS DRAWING

NO COMCAST APPARENT CONFLICTS ON THIS DRAWING
NO GPC DISTRIBUTION CONFLICTS ON THIS DRAWING

MATCH LINE STA. 308+50.00 DRAWING No. 24-0012

308+00 307+00 306+00 305+00 304+00 303+00

PROP. OVHD SIGN STRUCTURE, TP 1
STA.305+93.86
20.00' RT

GDOT E(B) TC(B)

N82°35'33.3"W

US 78 WB EXIT RAMP

427+00 428+00 429+00 430+00 431+00 432+00

US 78 WESTBOUND

EXIST GR

PROP. OVHD SIGN STRUCTURE, TP 1
STA.428+89.76
1.70' LT

US 78 EASTBOUND

MATCH LINE STA. 302+50.00 DRAWING No. 24-0014

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
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770.263.5945

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0 20 40 80

REVISION DATES

UTILITY PLAN
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 24-0013

GPLN-CE 11/05/2020

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|---|---|
| NO AT&T FACILITIES ON THIS DRAWING | NO ZAYO FACILITIES ON THIS DRAWING |
| NO AT&T CONFLICTS ON THIS DRAWING | NO LUMEN FACILITIES ON THIS DRAWING |

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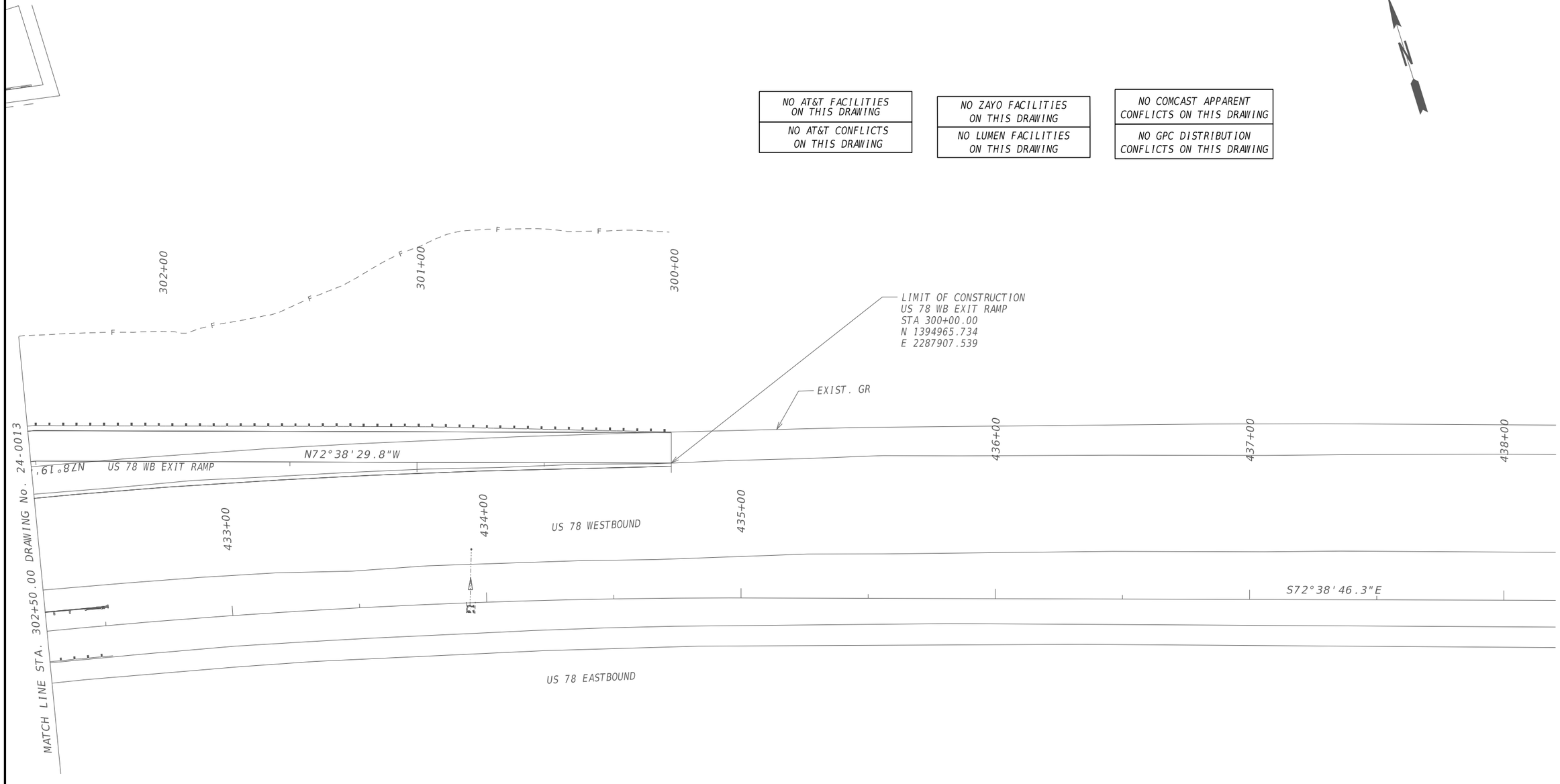
| NO COMCAST APPARENT CONFLICTS ON THIS DRAWING |
| NO GPC DISTRIBUTION CONFLICTS ON THIS DRAWING |




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

ATLAS
2450 Commerce Avenue
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Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# UTILITY PLAN
# US 78 AT MOUNTAIN IND. BLVD.
# CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 24-0014 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

NOTES:

1. ALL WORK AND MATERIALS SHALL BE DONE IN ACCORDANCE WITH THE 2021 GEORGIA DOT SPECIFICATIONS AND QPL, NATIONAL ELECTRICAL CODE AND NATIONAL ELECTRICAL SAFETY CODE.
2. CONTACT JORDAN PEARCE AT PIKE ENGINEERING FOR SERVICE POINT COORDINATION: JLPEARCE@PIKE.COM
3. CONTRACTOR SHALL BE AWARE OF OVERHEAD POWER LINES DURING CONTRUCTION.
4. CONDUIT ACCESSORIES SUCH AS EXPANSION JOINTS, ELBOWS, LB'S, FLEXIBLE CONDUIT, ETC SHALL BE INCLUDED IN THE PRICE BID FOR CONDUIT.
5. LUMINAIRES MUST MEET ALL REQUIREMENTS OUTLINED WITHIN GDOT SPECIFICATION 927 - LUMINAIRES, LED. LUMINAIRE MANUFACTURER SHALL PROVIDE A WARRANTY FOR THE ENTIRE LUMINAIRE ASSEMBLY INCLUDING MATERIAL, FINISH, WORKMANSHIP, POWER SUPPLY, LED MODULES AND LUMEN MAINTENANCE.
6. ALL PITS USED FOR INSTALLED PUSHED (JACKED) CASINGS UNDER EXISTING ROADWAYS SHALL HAVE A MINIMUM OF FIVE FEET BETWEEN EDGE OF SHOULDER. LOCATIONS AS SHOWN ARE APPROXIMATE AND MAY BE SHIFTED AS NECESSARY TO MEET CLEARANCE REQUIREMENTS.
7. ALL ELECTRICAL CONNECTIONS SHALL BE MADE ABOVE GRADE INSIDE POLE BASES OR JUNCTION BOXES. NO UNDERGROUND SPLICING ALLOWED.
8. CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO INSTALLATION. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST.
9. THE CONTRACTOR SHALL PROVIDE THE SERVICE POLE UNLESS OTHERWISE NOTED. THE SERVICE RISER AND LATERAL, WEATHERHEAD, WATERPROOF ENCLOSURES, CIRCUIT BREAKERS, LIGHTNING ARRESTER, AND THE NECESSARY WIRING FOR CONNECTING TO THE POWER SOURCE, SHALL BE INCLUDED UNDER THE "ELECTRICAL SERVICE POINT" PAY ITEM.

LEGEND:

- PROPOSED CONVENTIONAL POLE, 35' MOUNTING HEIGHT, 12' MAST ARM WITH LED LUMINAIRE.
  LUMINAIRES SHALL BE (OR APPROVED EQUAL)
  - AMERICAN ELECTRIC - ATBO P203 R3 4K (10259 LUMENS, 70 W, 4000K)
  - GE SOLUTIONS - ERLI_10C540 (9740 LUMENS, 76 W, 4000K)
  - COOPER LIGHTING - NVN-SA2B-740-U-T3 (11697 LUMENS, 85 W, 4000K)
- EXISTING POLE AND LUMINIARE TO REMAIN.
- EXISTING SERVICE POLE WITH TRANSFORMER (BY GEORGIA POWER).
- PROPOSED SERVICE CABINET. SEE CONSTRUCTION DETAILS ON SHEETS 25-0016.
- PB — PROPOSED PULL BOX. SEE CONSTRUCTION DETAILS ON SHEET 25-0021.
- JB — PROPOSED JUNCTION BOX. SEE CONSTRUCTION DETAILS ON SHEET 25-0022.
- JB — EXISTING JUNCTION BOX TO REMAIN.

CONDUIT AND CABLE SCHEDULE

- (A) 2" PVC CONDUIT WITH 2 #8 AND 1 #8 GND, INSTALLED IN TRENCH
- (B) 2" PVC CONDUIT WITH 2 #8 AND 1 #8 GND, DIRECTIONALLY BORED
- (C) 2" PVC CONDUIT WITH 2 #6 AND 1 #8 GND, INSTALLED IN TRENCH
- (D) 2" PVC CONDUIT WITH 2 #6 AND 1 #8 GND, DIRECTIONALLY BORED
- (E) 2" RIGID CONDUIT WITH 3 #2, INSTALLED IN TRENCH
- (F) 2" PVC CONDUIT WITH 2 #8 AND 1 #8 GND, EMBEDDED IN WALL

| LIGHTING ITEMS | | | |
|---|---|---|---|
| 680-4230 | LIGHTING STD, 31 - 35 FT MH | 46 | EA |
| 680-5270 | LUMINAIRE BRACKET ARM, 12 FT | 46 | EA |
| 680-6130 | LUMINAIRE, TP 3, LED | 46 | EA |
| 682-1505 | CABLE, TP RHH/RHW, AWG NO 8 | 23785 | LF |
| 682-1506 | CABLE, TP RHH/RHW, AWG NO 6 | 5605 | LF |
| 682-1509 | CABLE, TP RHH/RHW, AWG NO 2 | 345 | LF |
| 682-2110 | ELECTRICAL SERVICE POINT | 2 | EA |
| 682-2120 | PULL BOX, TYPE 2 | 10 | EA |
| 682-6120 | CONDUIT, RIGID, 2 IN | 110 | LF |
| 682-6222 | CONDUIT, NONMETL, TP 2, 2 IN | 9370 | LF |
| 682-9023 | ELECTRICAL JUNCTION BOX, GALVANIZED, SIZE - 12"x10"x8" | 2 | EA |
| 682-9950 | DIRECTIONAL BORE - 2" | 630 | LF |

Wi-Skies, LLC

NO SCALE

REVISION DATES

LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 25-0001 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE

# POLE DATA TABLE

| Pole | Sta. No. | Offset | Center / Base Line | Sheet No. | Luminaire Mounting Height | No. of Lum's | Arm Length | Circuit | Installation Notes |
|---|---|---|---|---|---|---|---|---|---|
| P1 | 99+16.12 | 55.34' RT | MOUNTAIN INDUSTRIAL BLVD | 25-0003 | 35' | 1 | 12' | B-1/3 | |
| P2 | 99+97.98 | 115.15' RT | MOUNTAIN INDUSTRIAL BLVD | 25-0003 | 35' | 1 | 12' | B-2/4 | |
| P3 | 100+44.30 | 46.37' RT | MOUNTAIN INDUSTRIAL BLVD | 25-0003 | 35' | 1 | 12' | B-2/4 | |
| P4 | 100+66.01 | 56.57' LT | MOUNTAIN INDUSTRIAL BLVD | 25-0003 | 35' | 1 | 12' | B-1/3 | |
| P5 | 104+21.89 | 47.85' RT | MOUNTAIN INDUSTRIAL BLVD | 25-0004 | 35' | 1 | 12' | A-5/7 | |
| P6 | 104+61.93 | 56.52' LT | MOUNTAIN INDUSTRIAL BLVD | 25-0004 | 35' | 1 | 12' | A-5/7 | |
| P7 | 314+75.37 | 36.22' RT | US 78 WB EXIT RAMP | 25-0004 | 35' | 1 | 12' | A-2/4 | |
| P8 | 105+41.85 | 127.68' LT | MOUNTAIN INDUSTRIAL BLVD | 25-0004 | 35' | 1 | 12' | A-1/3 | |
| P9 | 200+00.01 | 21.50' RT | US 78 EB EXIT RAMP | 25-0006 | 35' | 1 | 12' | B-1/3 | |
| P10 | 401+19.15 | 80.82' LT | US 78 | 25-0006 | 35' | 1 | 12' | A-1/3 | |
| P11 | 201+90.01 | 21.50' RT | US 78 EB EXIT RAMP | 25-0006 | 35' | 1 | 12' | B-1/3 | |
| P12 | 403+09.15 | 81.70' LT | US 78 | 25-0007 | 35' | 1 | 12' | A-1/3 | |
| P13 | 203+79.25 | 21.50' RT | US 78 EB EXIT RAMP | 25-0007 | 35' | 1 | 12' | B-1/3 | |
| P14 | 404+99.06 | 88.21' LT | US 78 | 25-0007 | 35' | 1 | 12' | A-1/3 | |
| P15 | 205+69.25 | 21.50' RT | US 78 EB EXIT RAMP | 25-0007 | 35' | 1 | 12' | B-1/3 | |
| P16 | 406+88.97 | 94.03' LT | US 78 | 25-0007 | 35' | 1 | 12' | A-1/3 | |
| P17 | 207+60.38 | 20.75' RT | US 78 EB EXIT RAMP | 25-0007 | 35' | 1 | 12' | B-1/3 | |
| P18 | 209+51.73 | 20.14' RT | US 78 EB EXIT RAMP | 25-0008 | 35' | 1 | 12' | B-1/3 | |
| P19 | 408+78.87 | 100.46' LT | US 78 | 25-0008 | 35' | 1 | 12' | A-1/3 | |
| P20 | 410+69.91 | 109.32' LT | US 78 | 25-0008 | 35' | 1 | 12' | A-1/3 | |
| P21 | 211+40.74 | 37.93' LT | US 78 EB EXIT RAMP | 25-0008 | 35' | 1 | 12' | B-1/3 | |
| P22 | 213+32.48 | 39.99' LT | US 78 EB EXIT RAMP | 25-0008 | 35' | 1 | 12' | B-1/3 | |
| P23 | 412+57.74 | 142.42' LT | US 78 | 25-0009 | 35' | 1 | 12' | A-1/3 | |
| P24 | 414+43.17 | 183.74' LT | US 78 | 25-0009 | 35' | 1 | 12' | A-1/3 | |
| P25 | 416+29.84 | 220.34' LT | US 78 | 25-0009 | 35' | 1 | 12' | A-1/3 | |
| P26 | 215+22.94 | 39.99' LT | US 78 EB EXIT RAMP | 25-0010 | 35' | 1 | 12' | B-1/3 | |
| P27 | 217+07.64 | 43.00' LT | US 78 EB EXIT RAMP | 25-0010 | 35' | 1 | 12' | B-1/3 | |
| P28 | 218+88.58 | 43.00' LT | US 78 EB EXIT RAMP | 25-0010 | 35' | 1 | 12' | B-1/3 | |
| P29 | 423+45.71 | 162.86' RT | US 78 | 25-0012 | 35' | 1 | 12' | B-2/4 | |
| P30 | 425+34.22 | 136.88' RT | US 78 | 25-0012 | 35' | 1 | 12' | B-2/4 | |
| P31 | 312+91.64 | 33.17' RT | US 78 WB EXIT RAMP | 25-0011 | 35' | 1 | 12' | A-2/4 | ON TYPE 2S WALL |
| P32 | 311+01.48 | 32.63' RT | US 78 WB EXIT RAMP | 25-0011 | 35' | 1 | 12' | A-2/4 | |
| P33 | 309+10.97 | 18.55' RT | US 78 WB EXIT RAMP | 25-0011 | 35' | 1 | 12' | A-2/4 | |
| P34 | 427+28.65 | 105.60' RT | US 78 | 25-0013 | 35' | 1 | 12' | B-2/4 | |
| P35 | 307+21.51 | 19.55' RT | US 78 WB EXIT RAMP | 25-0013 | 35' | 1 | 12' | A-2/4 | |
| P36 | 429+38.57 | 134.20' RT | US 78 | 25-0013 | 35' | 1 | 12' | B-2/4 | |
| P37 | 305+34.25 | 19.49' RT | US 78 WB EXIT RAMP | 25-0013 | 35' | 1 | 12' | A-2/4 | |
| P38 | 303+45.17 | 18.54' RT | US 78 WB EXIT RAMP | 25-0013 | 35' | 1 | 12' | A-2/4 | |
| P39 | 431+35.36 | 106.63' RT | US 78 | 25-0013 | 35' | 1 | 12' | B-2/4 | |
| P40 | 301+53.22 | 19.51' RT | US 78 WB EXIT RAMP | 25-0014 | 35' | 1 | 12' | A-2/4 | |
| P41 | 433+33.33 | 100.64' RT | US 78 | 25-0014 | 35' | 1 | 12' | B-2/4 | |
| P42 | 435+09.59 | 72.67' LT | US 78 | 25-0014 | 35' | 1 | 12' | A-2/4 | |
| P43 | 435+29.59 | 94.16' RT | US 78 | 25-0014 | 35' | 1 | 12' | B-2/4 | |
| P44 | 437+20.18 | 90.26' RT | US 78 | 25-0014 | 35' | 1 | 12' | B-2/4 | |
| P45 | 439+10.32 | 84.90' RT | US 78 | 25-0015 | 35' | 1 | 12' | B-2/4 | |
| P46 | 105+48.40 | 64.52' RT | MOUNTAIN INDUSTRIAL BLVD | 25-0004 | 35' | 2 | 12' | A-1/3 | |

Wi-Skies, LLC

NO SCALE

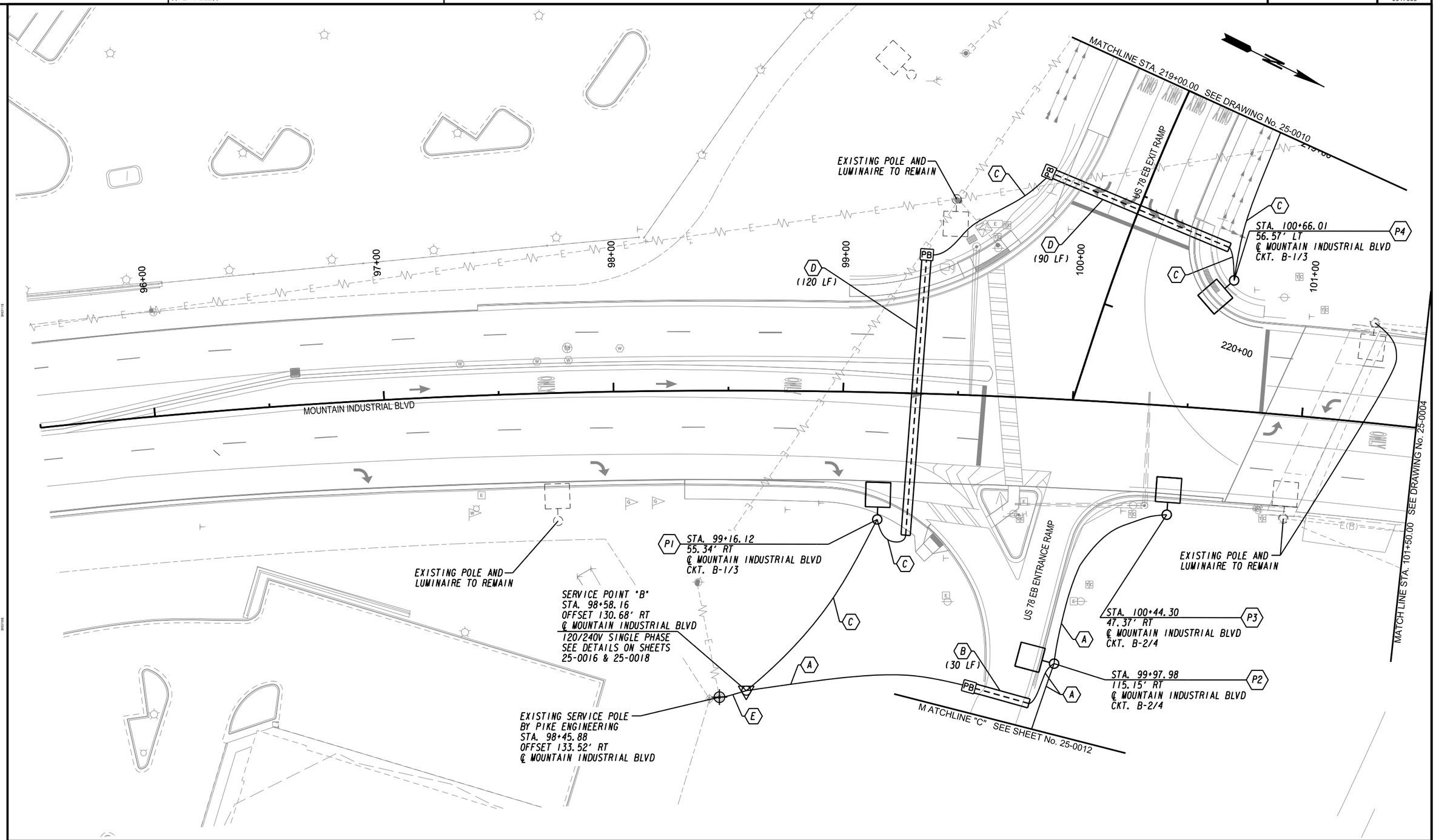
REVISION DATES

LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER
POLE DATA TABLE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | |
| CORRECTED: | | DATE: | | 25-0002 |
| VERIFIED: | | DATE: | | |

GPLN-CE

| DATE$$ | TIME$$ | $PRF8$ | $DGN$ | | P.I. No. |
|---|---|---|---|---|---|
| $USER$ | | $$PENTABLE$$ | | | 0017399 |




Wi-Skies, LLC

SCALE IN FEET

0 20 40 80

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LIGHTING PLAN

US 78 AT MOUNTAIN IND. BLVD

CITY OF TUCKER

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MATCHLINE "B" SEE SHEET No. 25-0009

US 78 EASTBOUND

US 78 WESTBOUND

US 78 WB ENTRANCE RAMP

418+00

419+00

420+00

421+0

316+00

315+00

102+00

103+00

104+00

105+00

106+00

107+00

MOUNTAIN INDUSTRIAL BLVD

ONLY

EXISTING POLE AND LUMINAIRE TO REMAIN

INTERCEPT EXISTING CONDUIT NEAR POLE BASE SEE DETAIL ON SHEET 25-0024

P6 STA. 104+61.93
56.52' LT
℄ MOUNTAIN INDUSTRIAL BLVD
CKT. A-5/7

P5 STA. 104+21.89
47.85' RT
℄ MOUNTAIN INDUSTRIAL BLVD
CKT. A-5/7

P8 STA. 105+41.85
127.68' LT
℄ MOUNTAIN INDUSTRIAL BLVD
CKT. A-1/3

SERVICE POINT "A"
STA. 105+99.78
OFFSET 98.13' LT
℄ MOUNTAIN INDUSTRIAL BLVD
120/240V SINGLE PHASE
SEE DETAILS ON SHEETS
25-0016 & 25-0017

EXISTING SERVICE POLE BY PIKE ENGINEERING
STA. 106+08.51
OFFSET 91.48' LT
℄ MOUNTAIN INDUSTRIAL BLVD

P46 STA. 105+48.40
64.52' RT
℄ MOUNTAIN INDUSTRIAL BLVD
CKT. A-1/3

P7 STA. 314+75.37
36.22' RT
℄ US 78 WB EXIT RAMP
CKT. A-2/4

B (100 LF)

A

E

PB

JB

E(B)

US 78 WB EXIT RAMP

MATCHLINE STA. 101+50.00 SEE DRAWING No. 25-0003

MATCHLINE STA. 107+50.00 SEE DRAWING No. 25-0005

MATCHLINE STA. 314+50.00 SEE DRAWING No. 25-0011

Wi-Skies, LLC

SCALE IN FEET
0 20 40 80

REVISION DATES

LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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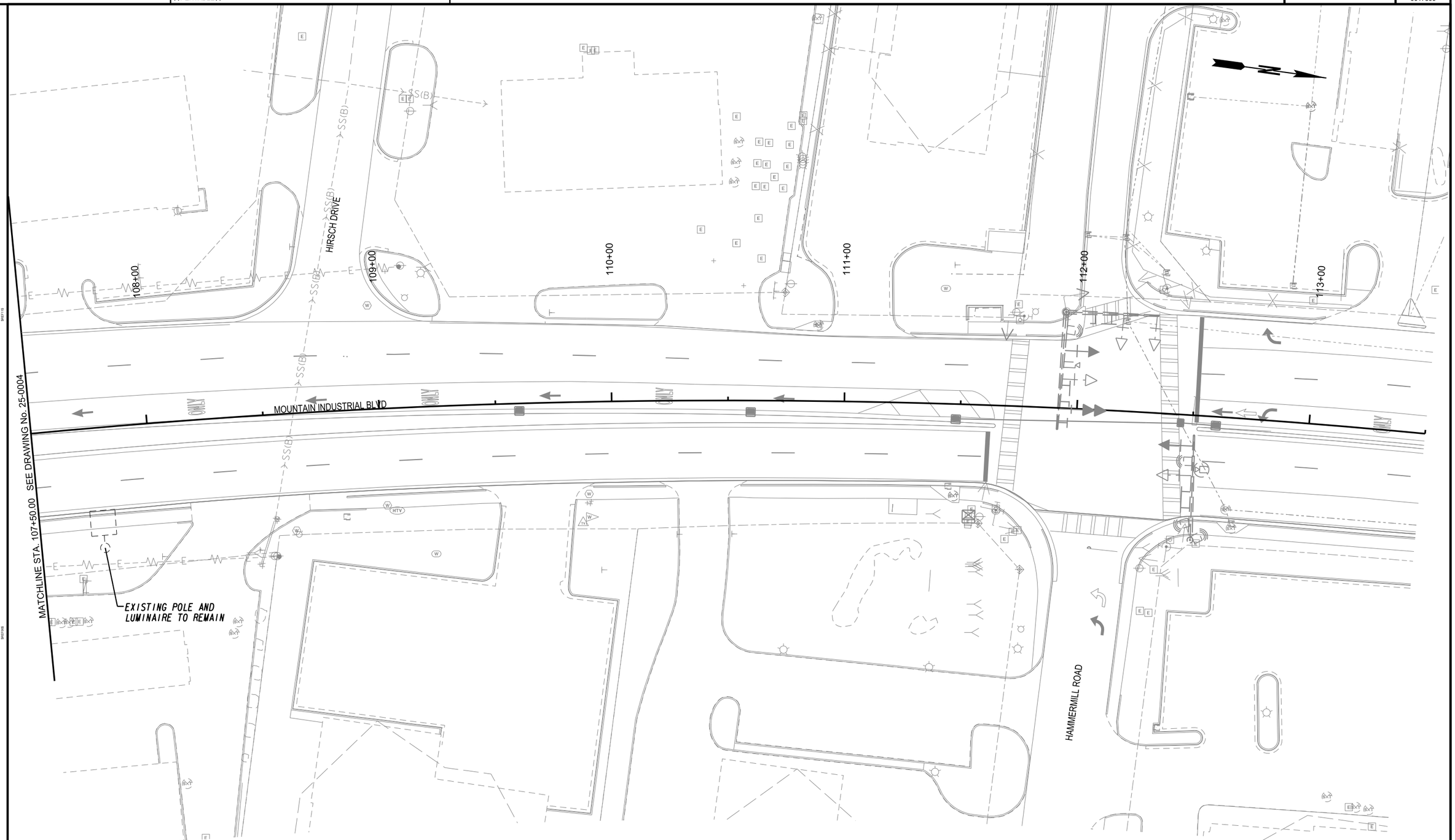


Wi-Skies, LLC

SCALE IN FEET

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REVISION DATES

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LIGHTING PLAN

US 78 AT MOUNTAIN IND. BLVD

CITY OF TUCKER

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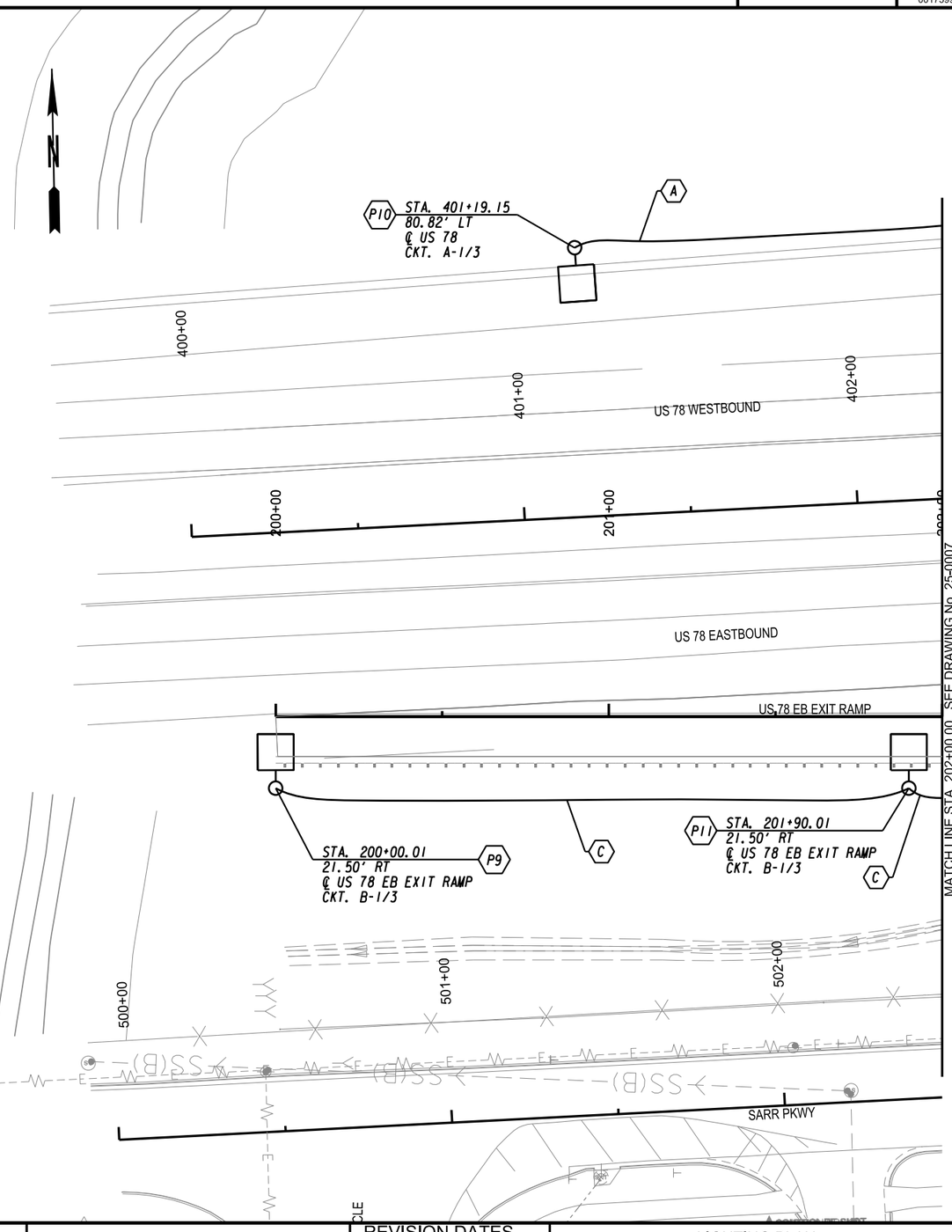


Wi-Skies, LLC

SCALE IN FEET

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LIGHTING PLAN

US 78 AT MOUNTAIN IND. BLVD

CITY OF TUCKER

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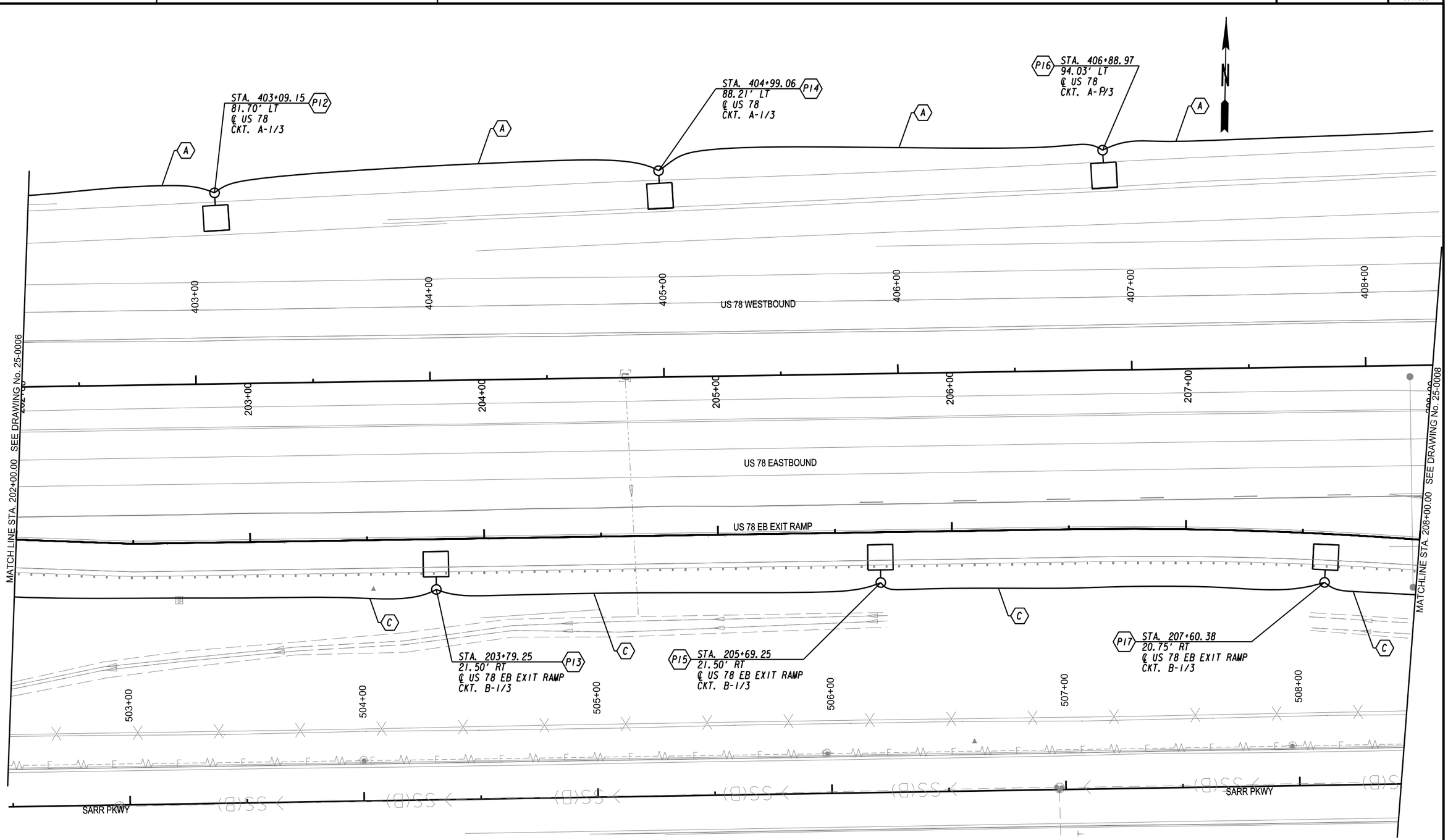


Wi-Skies, LLC

SCALE IN FEET

0 20 40 80

REVISION DATES

LIGHTING PLAN

US 78 AT MOUNTAIN IND. BLVD

CITY OF TUCKER

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| DATE$$ | TIME$$ | $PRF8$ | $DGN$ | | P.I. No. |
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| $USER$ | | $$PENTABLE$$ | | | 0017399 |

STA. 410+69.91
109.32' LT
℄ US 78
CKT. A-1/3
P20

STA. 408+78.87
100.46' LT
℄ US 78
CKT. A-1/3
P19

MATCHLINE "A" SEE SHEET 25-0009

409+00 410+00 411+00 412+00 413+00 414+00

US 78 WESTBOUND

US 78 EASTBOUND

208+00 209+00 210+00 211+00 212+00 213+00

STA. 213+32.48
39.99' LT
℄ US 78 EB EXIT RAMP
CKT. B-1/3
P22

STA. 211+40.74
37.93' LT
℄ US 78 EB EXIT RAMP
CKT. B-1/3
P21

PB

D
(60 LF)

US 78 EB EXIT RAMP

0.65 0.42 0.29 0.26 0.32 0.48 0.72 0.90 0.96
0.64 0.41 0.27 0.23 0.30 0.47 0.73 0.89 0.98
0.58 0.35 0.22 0.20 0.26 0.42 0.69 0.81 1.00
0.46 0.26 0.17 0.15 0.20 0.34 0.57 0.71 0.9

P18 STA. 209+51.73
20.14' RT
℄ US 78 EB EXIT RAMP
CKT. B-1/3

509+00 510+00 511+00

SARR PKWY

MATCHLINE STA. 208+00.00 SEE DRAWING No. 25-0007

MATCHLINE STA. 214+00.00 SEE DRAWING No. 25-0010

Wi-Skies, LLC

SCALE IN FEET
0 20 40 80

REVISION DATES

LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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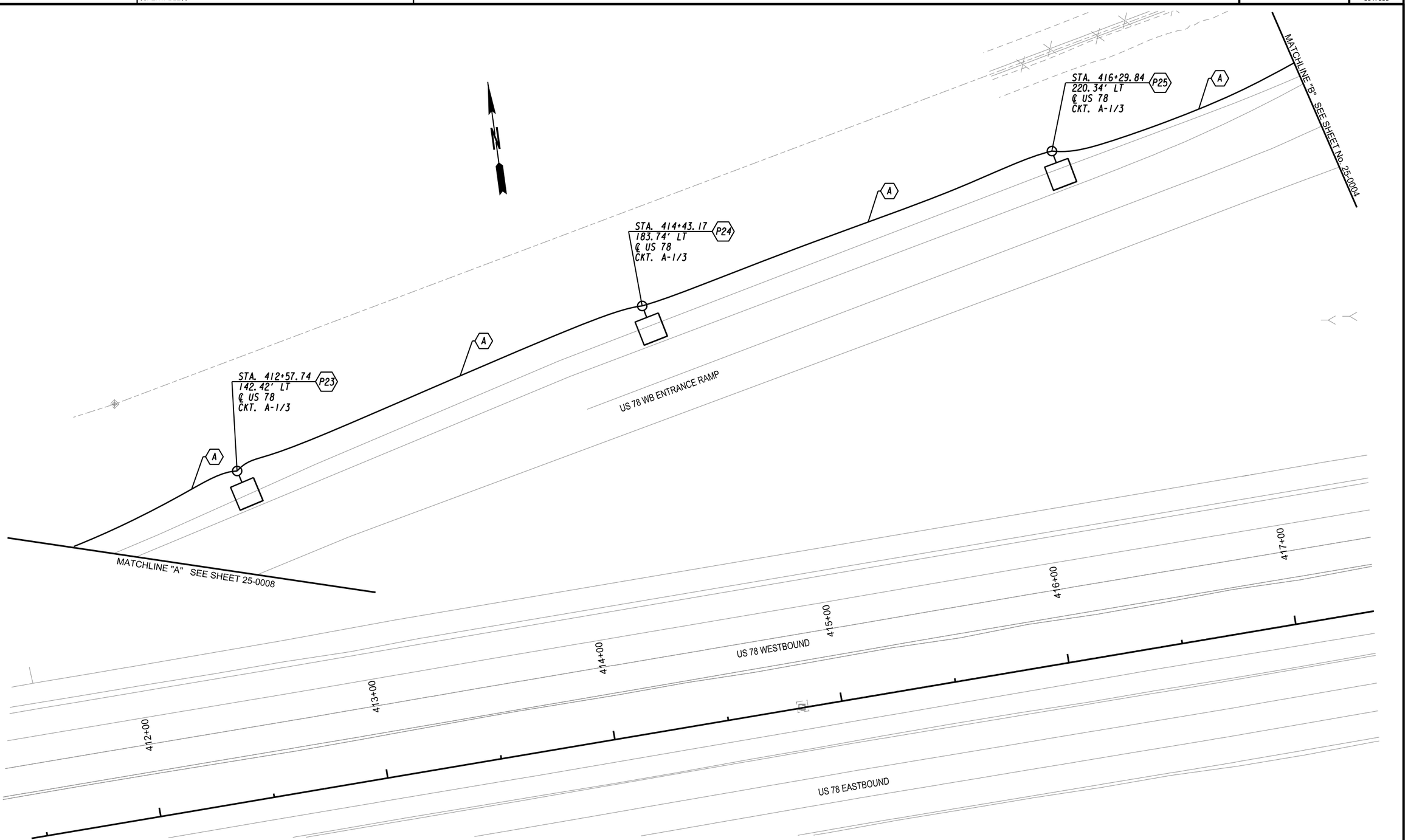


Wi-Skies, LLC

SCALE IN FEET

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REVISION DATES

LIGHTING PLAN

US 78 AT MOUNTAIN IND. BLVD

CITY OF TUCKER

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US 78 EASTBOUND

P26 STA. 215+22.94
39.99' LT
℄ US 78 EB EXIT RAMP
CKT. B-1/3

P27 STA. 217+07.64
43.00' LT
℄ US 78 EB EXIT RAMP
CKT. B-1/3

P28 STA. 218+88.58
43.00' LT
℄ US 78 EB EXIT RAMP
CKT. B-1/3

214+00

215+00

216+00

217+00

218+00

C

MATCHLINE STA. 214+00.00 SEE DRAWING No. 25-0008

MATCHLINE STA. 219+00.00 SEE DRAWING No. 25-0003

US 78 EB EXIT RAMP

E

SS(B)

W

N

SCALE IN FEET
0 20 40 80

Wi-Skies, LLC

| REVISION DATES | | |
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LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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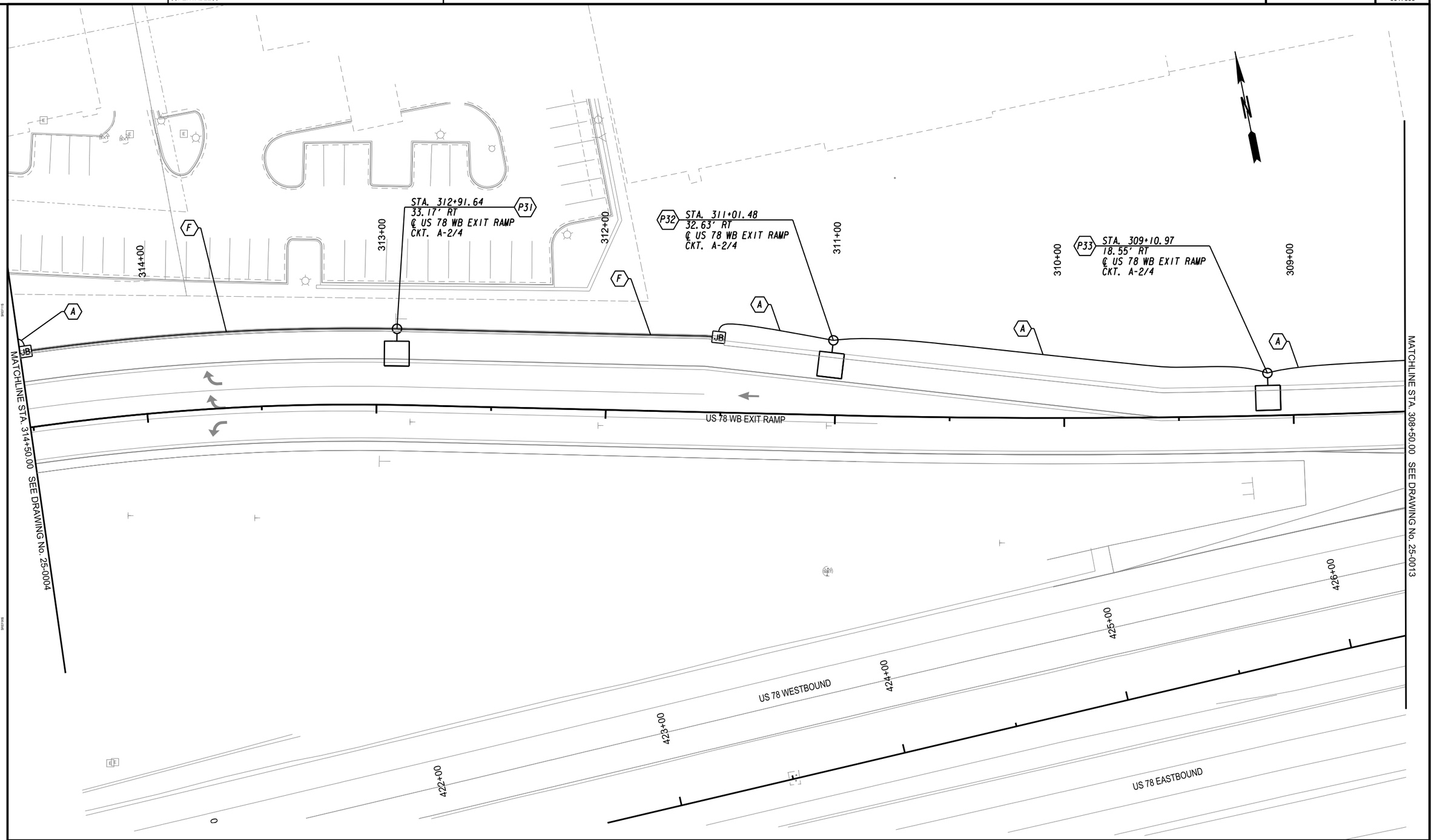


Wi-Skies, LLC

SCALE IN FEET

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REVISION DATES

LIGHTING PLAN

US 78 AT MOUNTAIN IND. BLVD

CITY OF TUCKER

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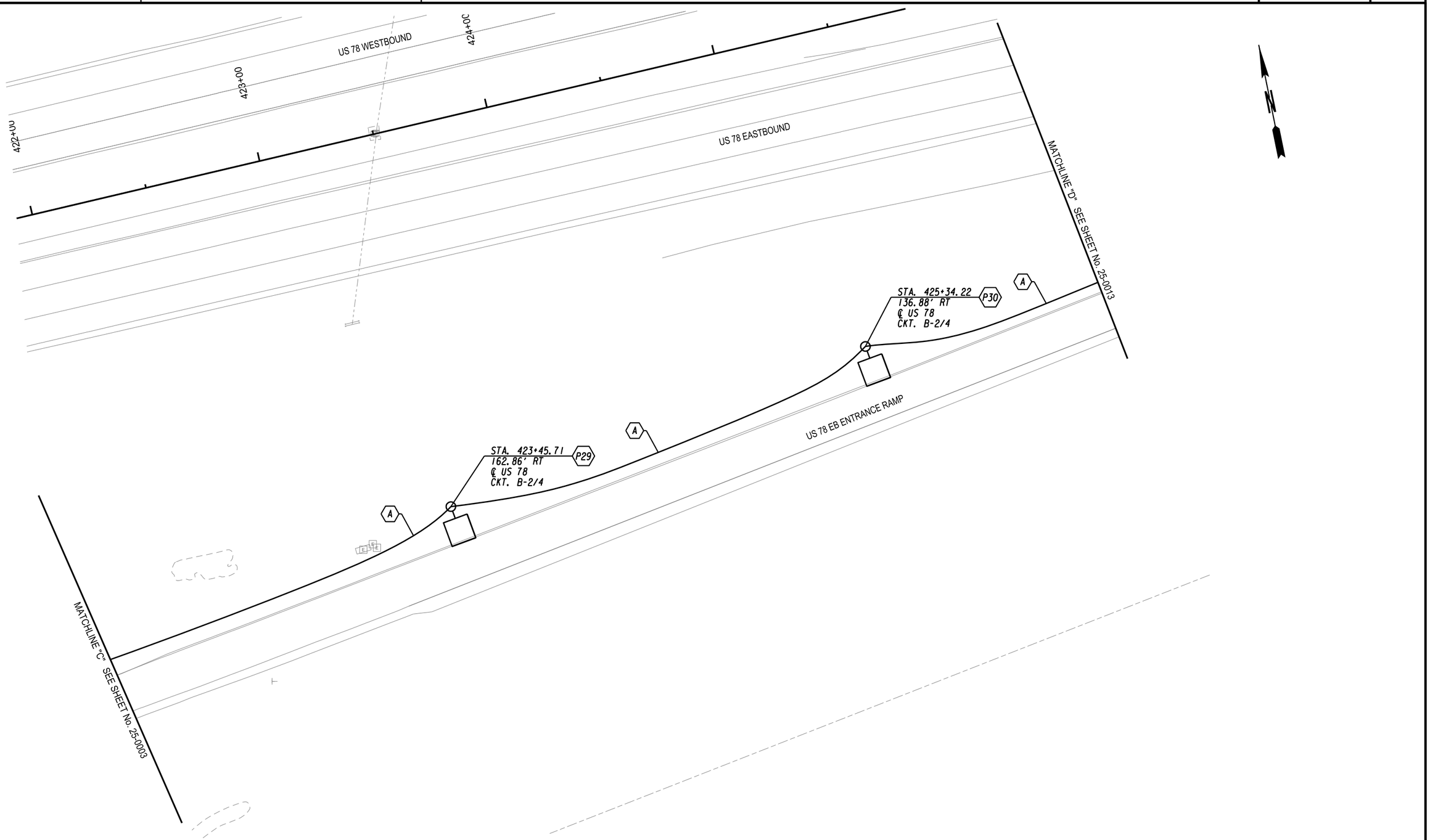


Wi-Skies, LLC

SCALE IN FEET

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| REVISION DATES | | |
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LIGHTING PLAN

US 78 AT MOUNTAIN IND. BLVD

CITY OF TUCKER

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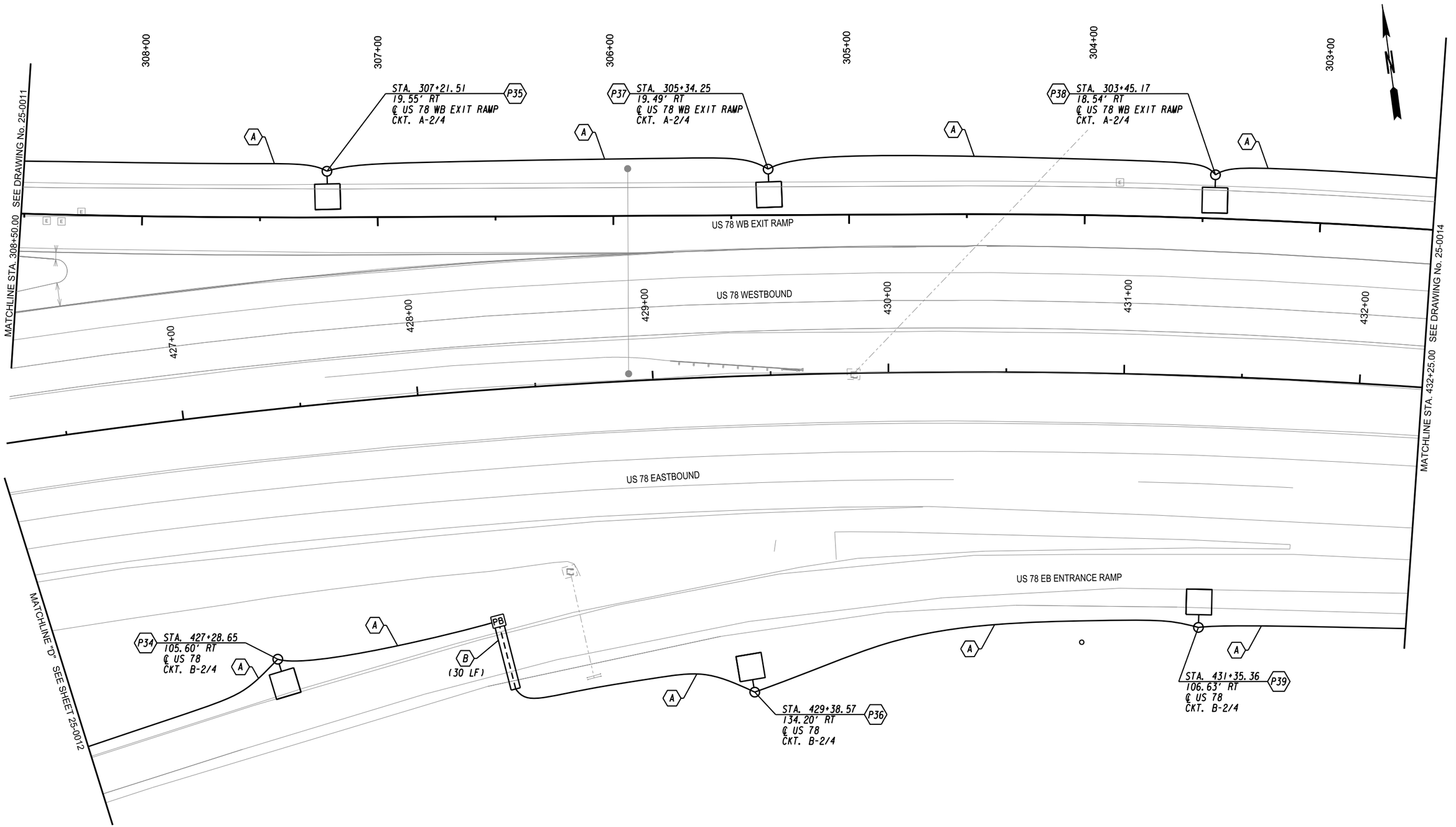


Wi-Skies, LLC

SCALE IN FEET
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REVISION DATES

LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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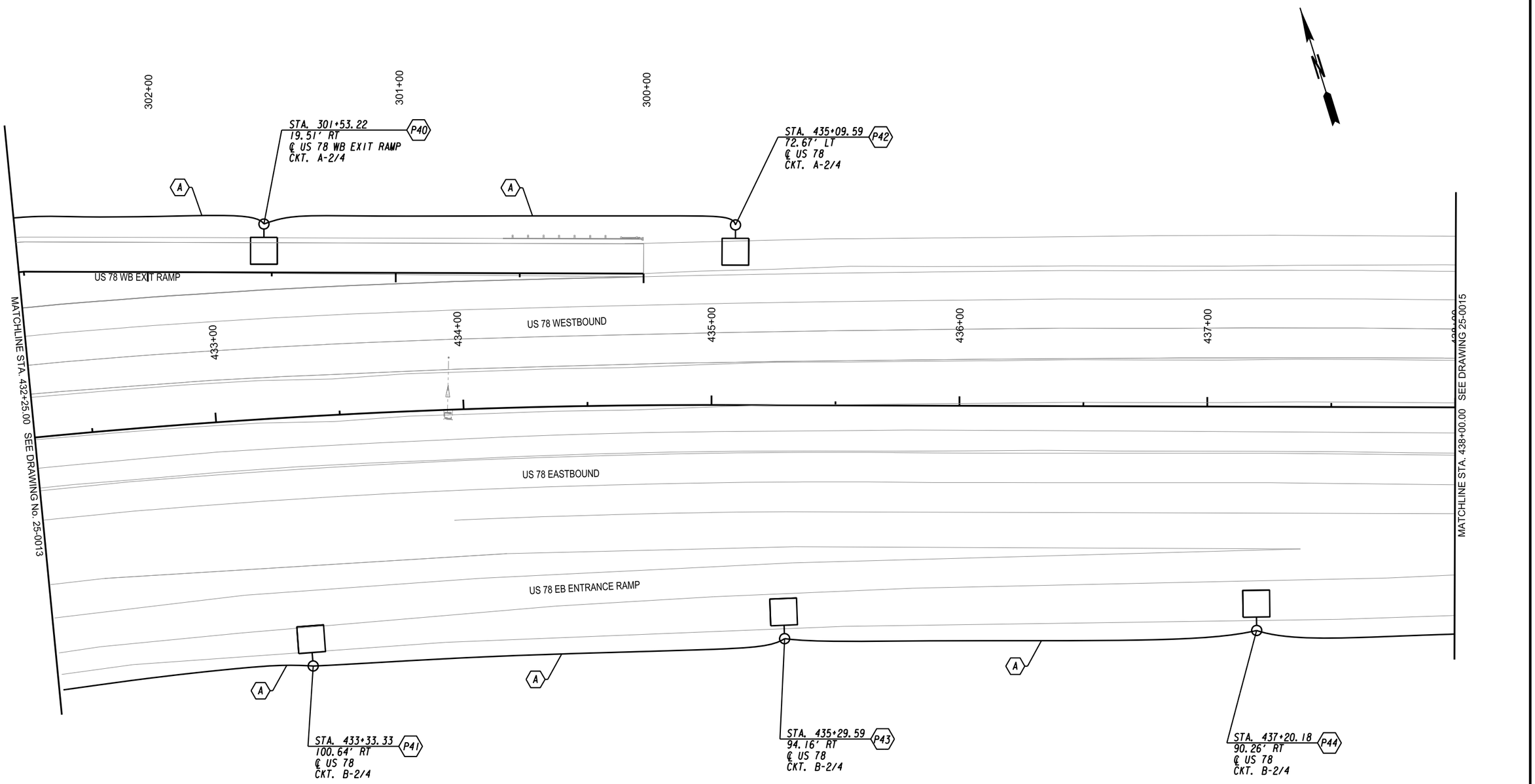


Wi-Skies, LLC

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LIGHTING PLAN

US 78 AT MOUNTAIN IND. BLVD

CITY OF TUCKER

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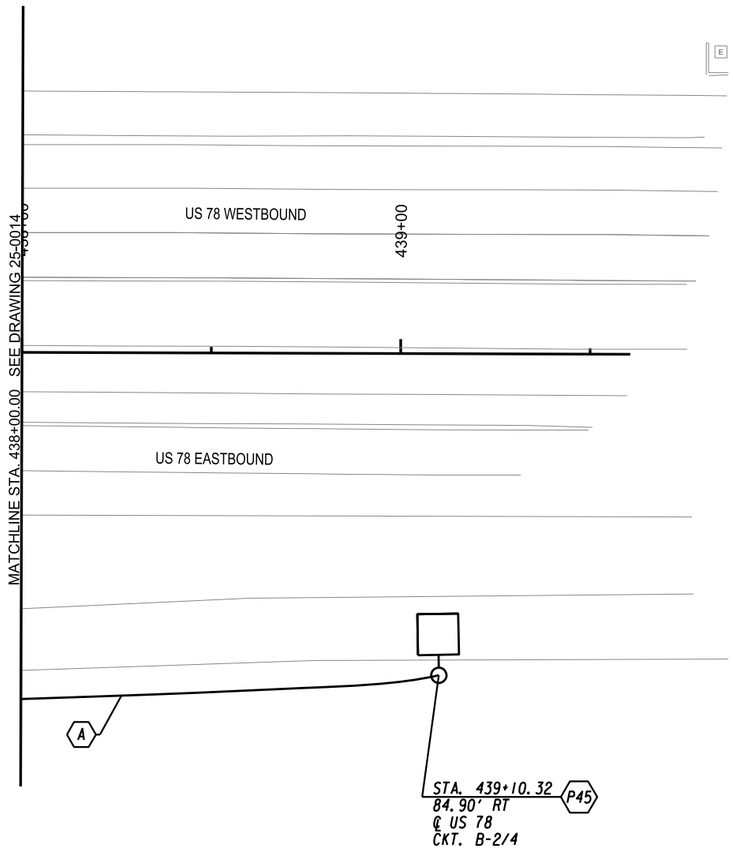

| | | | | REVISION DATES | | | LIGHTING PLAN |
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| | | Wi-Skies, LLC | SCALE IN FEET 0 20 40 80 | | | | US 78 AT MOUNTAIN IND. BLVD |
| | | | | | | | CITY OF TUCKER |

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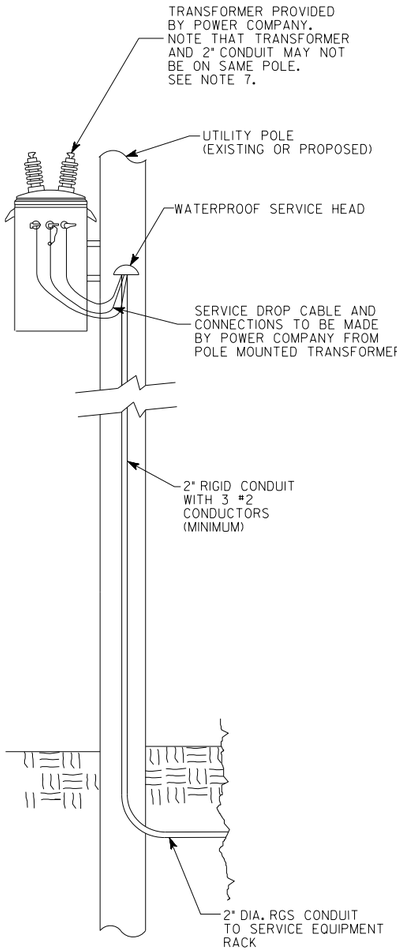
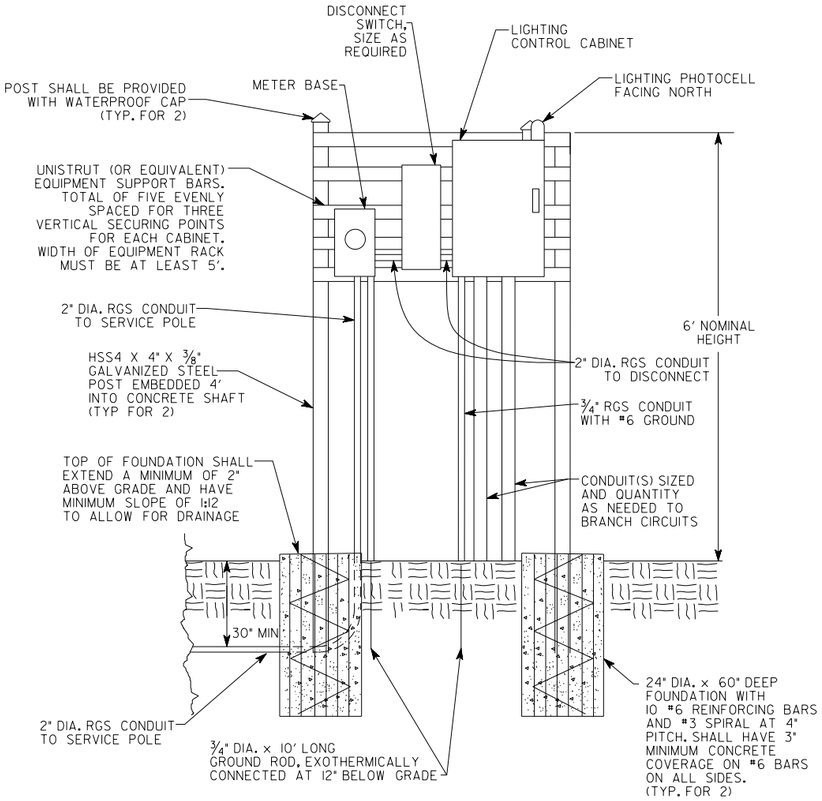
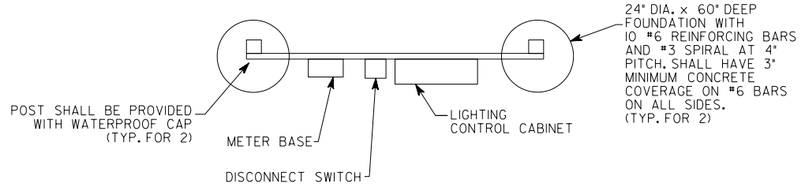



SERVICE POLE DETAIL




FRONT VIEW




TOP VIEW

NOTES:

1. CABINETS SHALL BE PRIMED AND PAINTED. THE EXTERIOR SHALL HAVE TWO EPOXY FINISH COATS OF ANSI-61 GRAY. THE INTERIOR SHALL BE PAINTED WHITE.
2. LIGHTING CONTROLL CABINET SHALL BE A MINIMUM OF 36"H X 20"W X 15"D, FABRICATED FROM ALUMINUM WITH A MINIMUM THICKNESS OF 0.125", RATED NEMA TYPE 4X AND HAVE A MOUNTING BACK PLATE.
3. CABINET DOORS SHALL HAVE A CONTINUOUS HINGE THAT IS BOLTED TO THE CABINET AND DOOR WITH 1/4-20 STAINLESS STEEL CARRIAGE BOLTS AND NY-LOCK NUTS. THE HINGE SHALL BE INSTALLED ON THE RIGHT SIDE WHEN FACING THE CABINET AND BE MADE OF STAINLESS STEEL WITH A 0.25" DIAMETER STAINLESS STEEL HINGE PIN. THE HINGE PIN SHALL BE CAPPED TOP AND BOTTOM BY WELD TO RENDER IT TAMPER-PROOF. CABINETS SHALL HAVE A GASKET THAT FORMS A WEATHER-TIGHT SEAL BETWEEN THE CABINET AND DOOR. THE DOOR LATCHING MECHANISM SHALL BE THE 3-POINT DRAW ROLLER TYPE. WHEN THE DOOR IS CLOSED AND LATCHED, IT WILL BE LOCKED. THE LATCHING HANDLE SHALL BE FABRICATED FROM A 0.75" STAINLESS STEEL ROUND BAR AND SHALL HAVE A PROVISION FOR PADLOCKING IN THE CLOSED POSITION.
4. CABINETS SHALL BE EQUIPPED WITH TWO ADJUSTABLE "C" MOUNTING CHANNELS WELDED ON BOTH SIDE WALLS AND BACK WALL OF THE ENCLOSURE, ALLOWING VERSATILE POSITIONING OF SHELVES OR PANELS. MOUNTING CHANNELS SHALL BE FACTORY PAINTED SAME COLOR AS INTERIOR OF CABINET.
5. CABINET DOORS SHALL NOT HAVE COMPARTMENTS OR LOUVERS.
6. CABINETS, METER HOUSING, STEEL POSTS, CONCRETE, REBAR, UNISTRUT, GROUND RODS, GROUND WIRES, AND GROUND CONNECTIONS SHALL BE INCLUDED IN THE COST OF SERVICE POINT PAY ITEM.
7. CONTRACTOR TO OBTAIN PERMISSION FROM POWER COMPANY TO ATTACH CONDUIT TO WOOD POLE. IF PERMISSION IS NOT OBTAINED, CONTRACTOR SHALL PROVIDE ADDITIONAL WOOD POLE TO INSTALL SERVICE POLE RISER. BOTH SERVICE POLE RISER AND ADDITIONAL WOOD POLE SHALL BE CONSIDERED INCIDENTAL TO SERVICE POINT PAY ITEM.
8. ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND THE NATIONAL ELECTRICAL SAFETY CODE.
9. ALL CONDUIT SHOWN SHALL BE RIGID GALVANIZED STEEL, UNLESS OTHERWISE SPECIFIED.

ELECTRICAL SERVICE EQUIPMENT RACK

Wi-Skies, LLC

NO SCALE

REVISION DATES

LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER
SERVICE PEDESTAL WITH METER DETAIL

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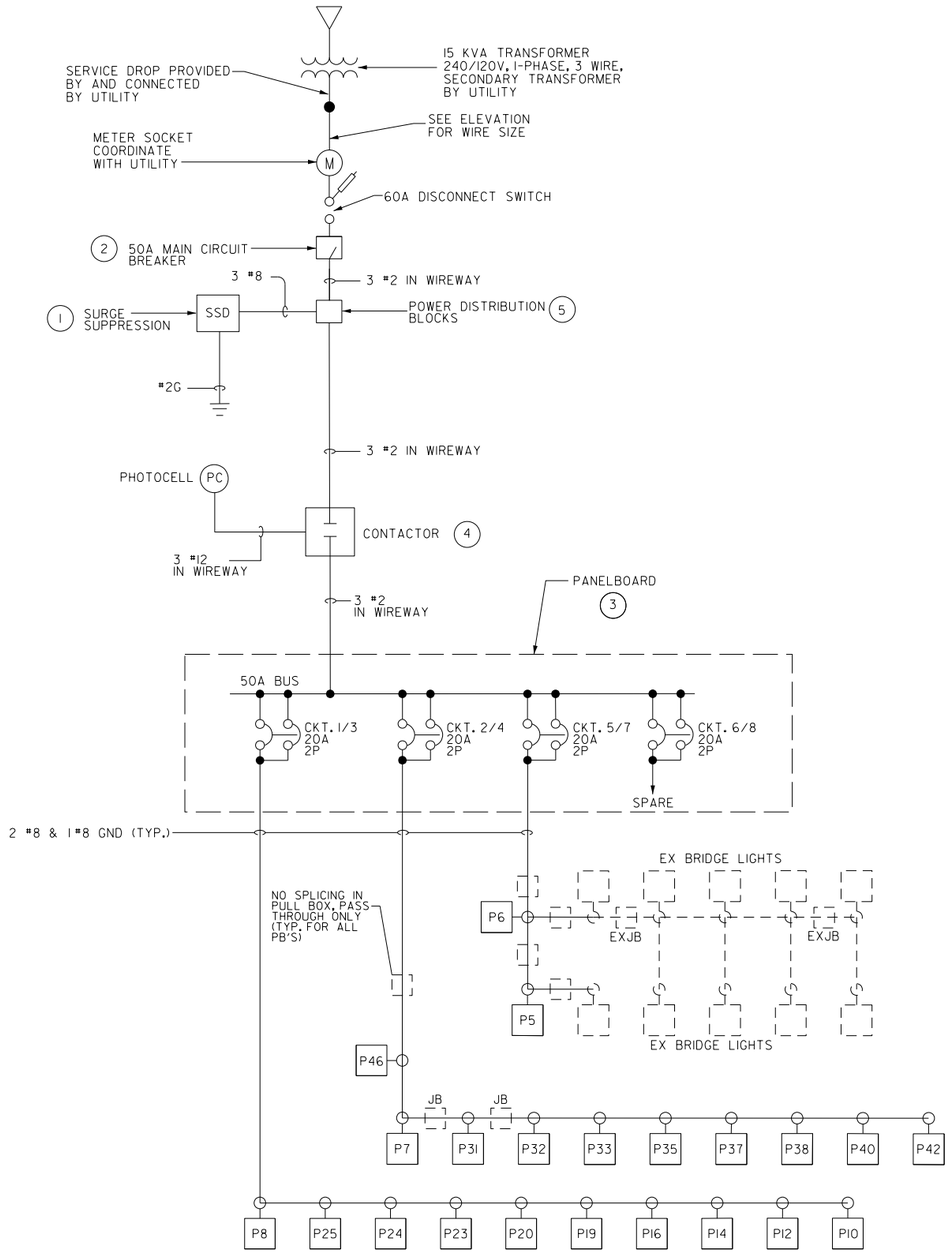


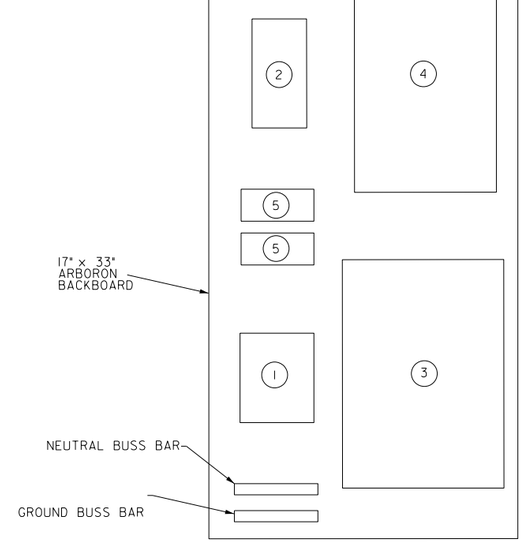

SYSTEM SINGLE LINE DIAGRAM SP 'A'

## LEGEND

- THERMAL MAGNETIC MOLDED CASE CIRCUIT BREAKER
- LIGHTING CONTACTOR 240V, 2P, AMPERAGE RATING TO MATCH MAIN BREAKER SIZE
- PC — 240V TWIST-LOCK PHOTOCONTROL PER ANSI C136.10
- SSD — SURGE SUPPRESSOR

## NOTES

1. SURGE SUPPRESSOR SHALL BE SUITABLE FOR CONNECTION TO 120/240V, 1PHASE SERVICE. THE SURGE SUPPRESSOR SHALL HAVE MINIMUM SURGE CURRENT RATING OF 130,000A PER PHASE AND SHALL PROVIDE L-L, L-N & N-G PROTECTION. THE SURGE SUPPRESSOR SHALL HAVE RED STATUS LED AND SHALL BE U.L. 1449 AND 1283 LISTED. SURGE SUPPRESSOR SHALL BE PROVIDED BY SQUARE D, EATON OR APPROVED EQUAL AND SHALL BE NIPPLE CONNECTED TO THE MAIN BREAKER.
2. MAIN CIRCUIT BREAKER SHALL BE MOLDED CASE, THERMAL MAGNETIC TYPE AND SHALL INCLUDE INSULATED, GROUNDABLE NEUTRAL ASSEMBLY. BREAKER SHALL HAVE 60 AMP FRAME AND 50 AMP OVERCURRENT RATING. BREAKER SHALL HAVE 65KVA AT 240V INTERRUPTING RATING. THE BREAKER SHALL BE UL LISTED AS SUITABLE FOR SERVICE EQUIPMENT AND SHALL BE SUPPLIED BY SQUARE D, EATON OR APPROVED EQUAL.
3. PANELBOARD SHALL BE 240/120V, 1PHASE, 3 WIRE WITH COPPER BUSBARS. RATINGS SHALL BE AS INDICATED ON DRAWINGS. A GROUND BUS SHALL BE PROVIDED IN THE PANEL. THE PANEL SHALL HAVE A MINIMUM SHORT CIRCUIT RATING OF 10,000A R.M.S. SYMMETRICAL. THE PANEL SHALL HAVE HINGED DOOR AND DEADFRONT CONSTRUCTION AND MANUFACTURED BY SQUARE D, EATON OR APPROVED EQUAL.
4. LIGHTING CONTACTOR SHALL HAVE A 3 POSITION SELECTOR SWITCH ON THE FRONT COVER LABELED "HAND-OFF-AUTO". 'HAND' TURNS LIGHTS ON. 'OFF' TURNS THEM OFF. 'AUTO' ALLOWS THE PHOTOCELL TO CONTROL LIGHTS. HANDS-OFF-AUTO SWITCH SHALL BE LOCKABLE. CONTACTOR SHALL BE ELECTRICALLY OPERATED, ELECTRICALLY HELD.
5. POWER DISTRIBUTION BLOCKS USED TO DISTRIBUTE WIRES FROM INPUT BETWEEN THE MAIN CIRCUIT BREAKER, SURGE SUPPRESSOR AND THE LIGHTING CONTACTOR. THE BLOCKS NEED TO ACCEPT CABLES RANGING FROM #1/0 TO #8 AWG.




NEUTRAL BUSS BAR SHALL BE PAINTED WHITE AND GND BAR GREEN

SERVICE PEDESTAL

Wi-Skies, LLC

NO SCALE

REVISION DATES

LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER
SERVICE POINT 'A' DETAILS

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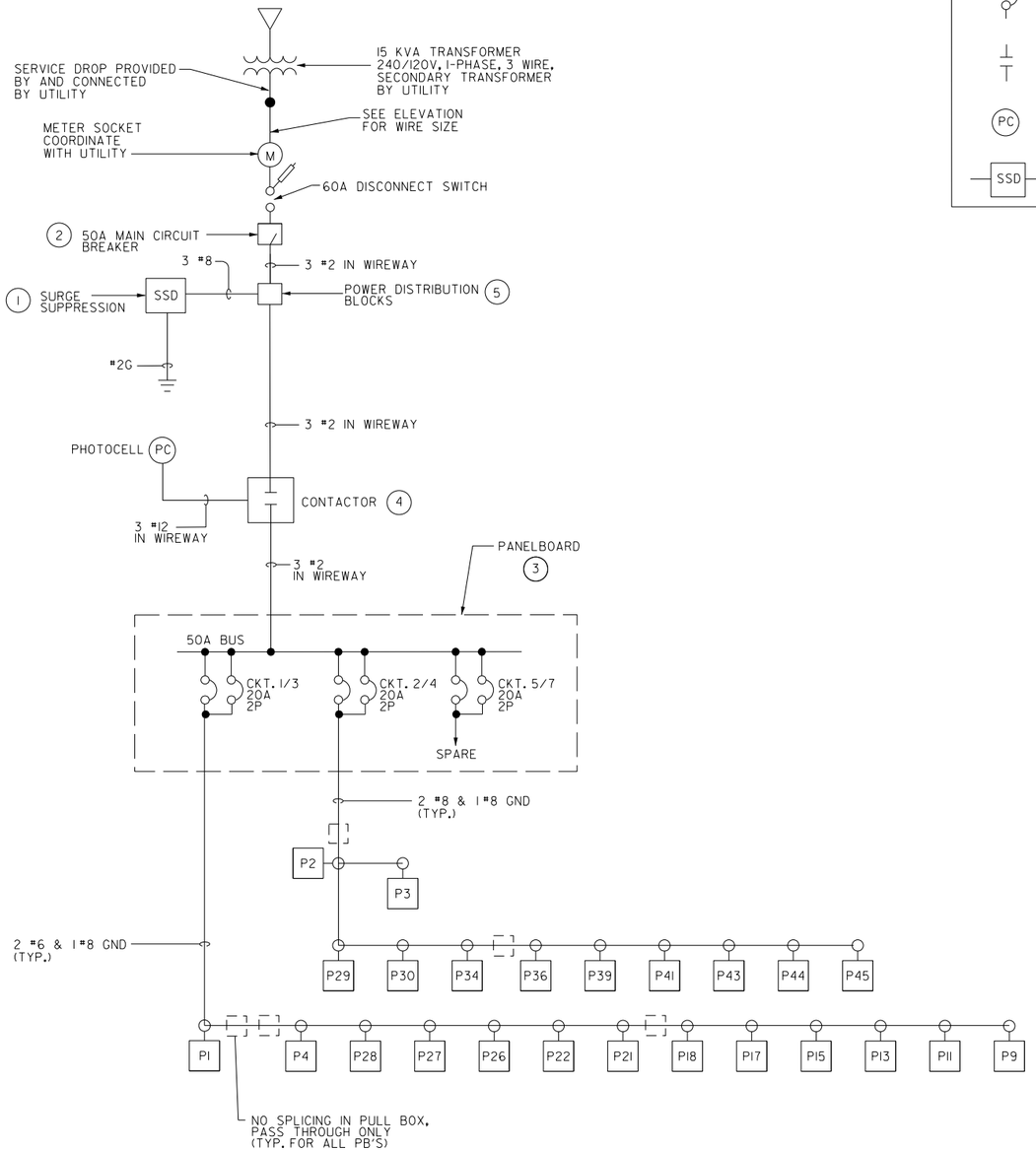


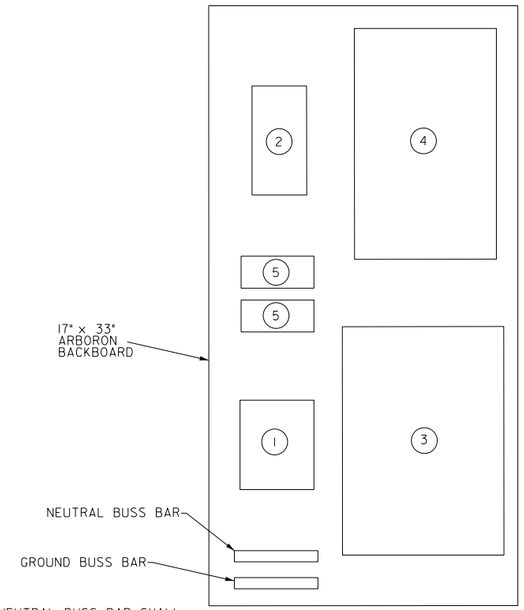

SYSTEM SINGLE LINE DIAGRAM SP 'B'

## LEGEND

- THERMAL MAGNETIC MOLDED CASE CIRCUIT BREAKER
- LIGHTING CONTACTOR 240V, 2P, AMPERAGE RATING TO MATCH MAIN BREAKER SIZE
- PC — 240V TWIST-LOCK PHOTOCONTROL PER ANSI C136.10
- SSD — SURGE SUPPRESSOR

## NOTES

1. SURGE SUPPRESSOR SHALL BE SUITABLE FOR CONNECTION TO 120/240V, 1PHASE SERVICE. THE SURGE SUPPRESSOR SHALL HAVE MINIMUM SURGE CURRENT RATING OF 130,000A PER PHASE AND SHALL PROVIDE L-L, L-N & N-G PROTECTION. THE SURGE SUPPRESSOR SHALL HAVE RED STATUS LED AND SHALL BE U.L. 1449 AND 1283 LISTED. SURGE SUPPRESSOR SHALL BE PROVIDED BY SQUARE D, EATON OR APPROVED EQUAL AND SHALL BE NIPPLE CONNECTED TO THE MAIN BREAKER.
2. MAIN CIRCUIT BREAKER SHALL BE MOLDED CASE, THERMAL MAGNETIC TYPE AND SHALL INCLUDE INSULATED, GROUNDABLE NEUTRAL ASSEMBLY. BREAKER SHALL HAVE 60 AMP FRAME AND 50 AMP OVERCURRENT RATING. BREAKER SHALL HAVE 65KVA AT 240V INTERRUPTING RATING. THE BREAKER SHALL BE UL LISTED AS SUITABLE FOR SERVICE EQUIPMENT AND SHALL BE SUPPLIED BY SQUARE D, EATON OR APPROVED EQUAL.
3. PANELBOARD SHALL BE 240/120V, 1PHASE, 3 WIRE WITH COPPER BUSBARS. RATINGS SHALL BE AS INDICATED ON DRAWINGS. A GROUND BUS SHALL BE PROVIDED IN THE PANEL. THE PANEL SHALL HAVE A MINIMUM SHORT CIRCUIT RATING OF 10,000A R.M.S. SYMMETRICAL. THE PANEL SHALL HAVE HINGED DOOR AND DEADFRONT CONSTRUCTION AND MANUFACTURED BY SQUARE D, EATON OR APPROVED EQUAL.
4. LIGHTING CONTACTOR SHALL HAVE A 3 POSITION SELECTOR SWITCH ON THE FRONT COVER LABELED "HAND-OFF-AUTO". 'HAND' TURNS LIGHTS ON. 'OFF' TURNS THEM OFF. 'AUTO' ALLOWS THE PHOTOCELL TO CONTROL LIGHTS. HANDS-OFF-AUTO SWITCH SHALL BE LOCKABLE. CONTACTOR SHALL BE ELECTRICALLY OPERATED, ELECTRICALLY HELD.
5. POWER DISTRIBUTION BLOCKS USED TO DISTRIBUTE WIRES FROM INPUT BETWEEN THE MAIN CIRCUIT BREAKER, SURGE SUPPRESSOR AND THE LIGHTING CONTACTOR. THE BLOCKS NEED TO ACCEPT CABLES RANGING FROM #1/0 TO #8 AWG.




SERVICE PEDESTAL

Wi-Skies, LLC

NO SCALE

REVISION DATES

LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER
SERVICE POINT 'B' DETAILS

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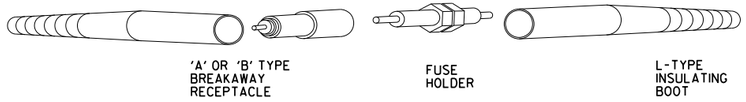
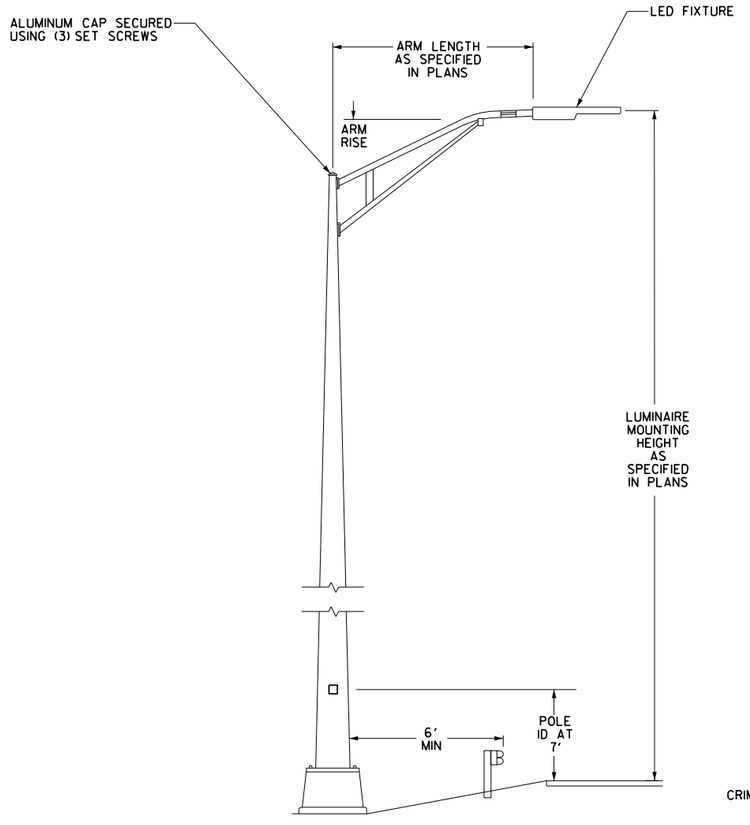
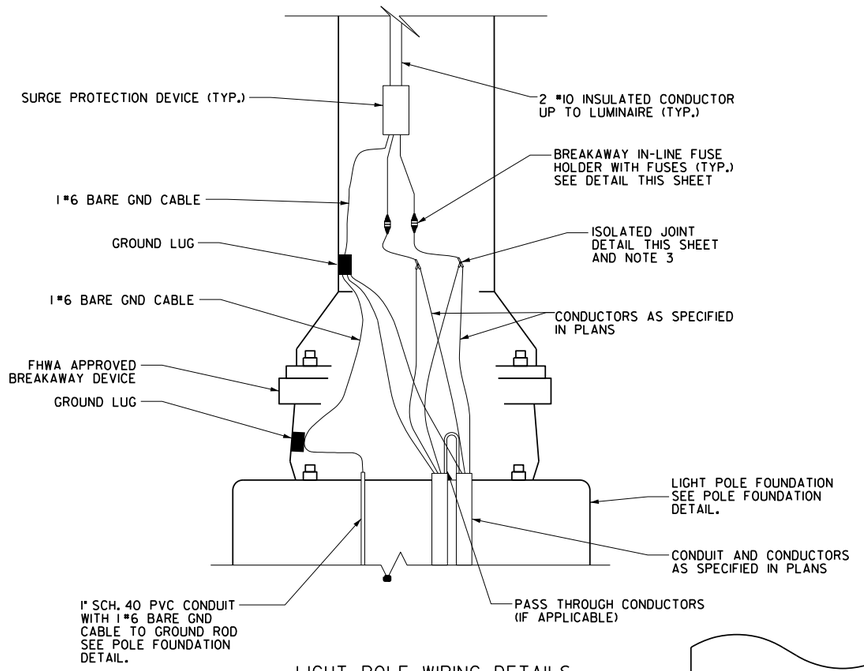



## IN-LINE FUSE HOLDER WITH BREAKAWAY FEATURE DETAIL
SEE NOTE 5



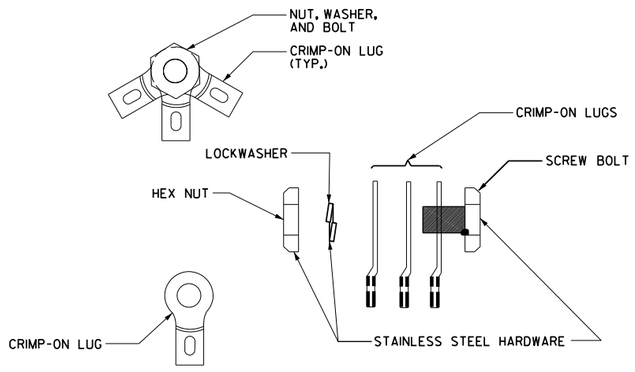

POLE ELEVATION VIEW



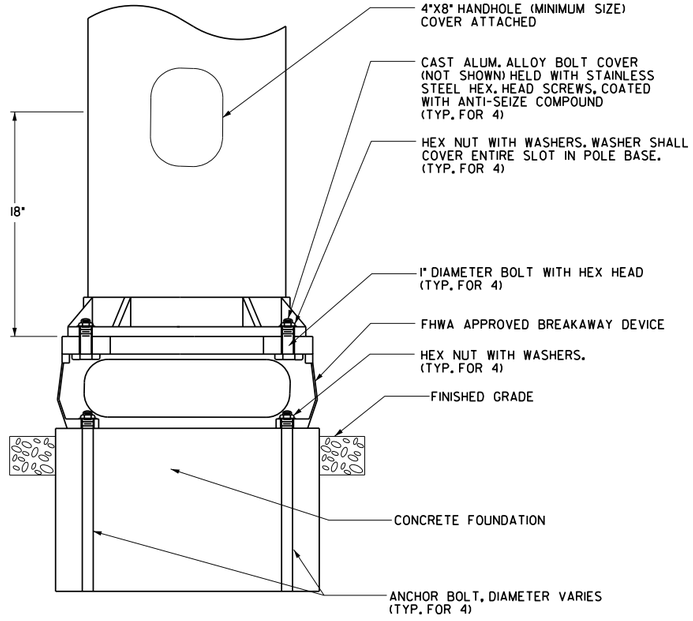

## LIGHT POLE WIRING DETAILS

NOTES:

1. SEE POLE FOUNDATION DETAILS.
2. ALL GROUND MOUNTED LIGHT POLES ARE TO BE MOUNTED ON FHWA APPROVED BREAKAWAY DEVICE, UNLESS PROTECTED BY CRASH RATED BARRIER OR MOUNTED OUTSIDE OF CLEAR ZONE.
3. CONDUCTORS EXTENDED INTO POLE BASE SHALL BE OF SUFFICIENT LENGTH TO WITHDRAW SPLICES AND/OR ISOLATED JOINTS A MINIMUM OF 18" OUT OF THE POLE HANDHOLE.
4. ALL EQUIPMENT SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE.
5. EXAMPLE TYPE SHOWN, SEE QPL FOR APPROVED TYPES.
6. EXAMPLE SPLICE METHOD SHOWN. ALTERNATIVE SPLICE METHODS ALLOWABLE, PROVIDED THEY ARE DONE IN ACCORDANCE WITH NEC REQUIREMENTS.
7. POLE FOUNDATION SIZE AND TYPE MAY VARY.




ISOLATED JOINT DETAIL




## LIGHT POLE MOUNTING DETAIL
SEE NOTE 7

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REVISION DATES

LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER
LIGHTING POLE DETAILS

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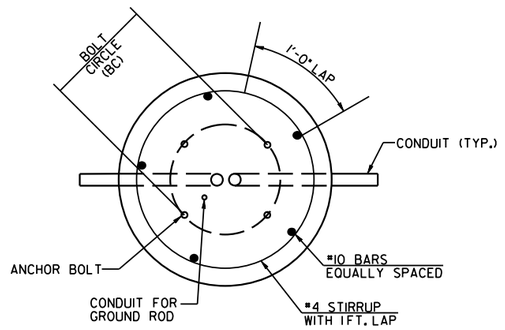
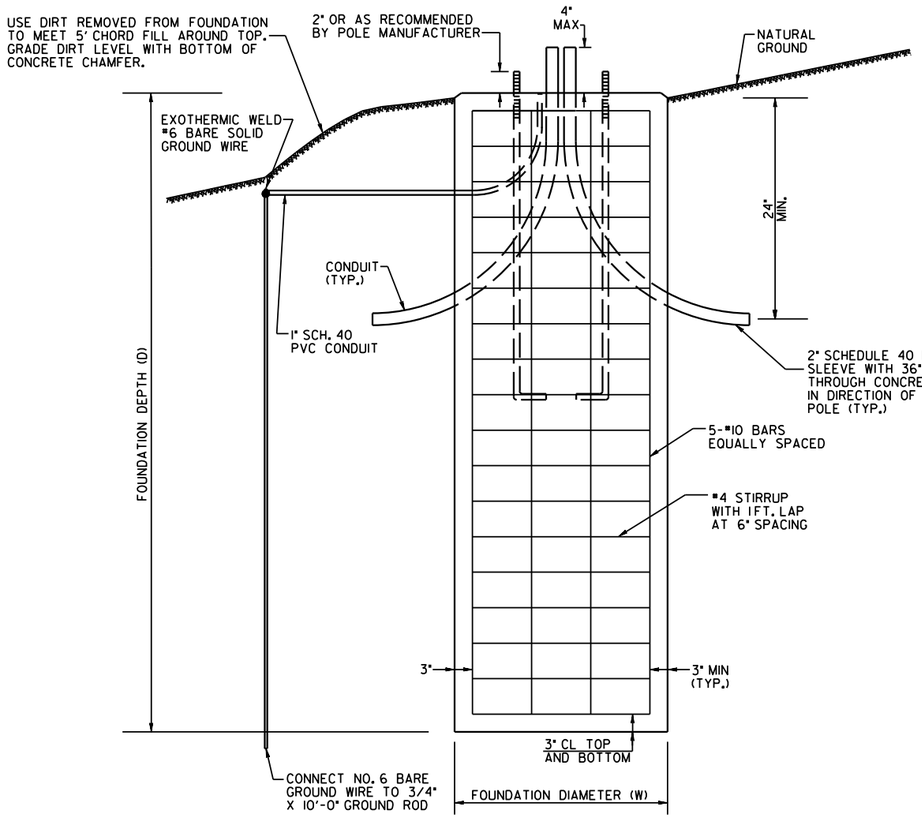
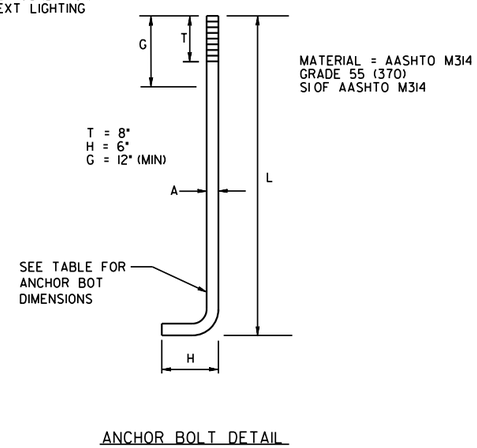



PLAN




ANCHOR BOLT DETAIL

| LIGHT POLE FOUNDATION TABLE | | | | | |
|---|---|---|---|---|---|
| LUMINAIRE HEIGHT | FOUNDATION DEPTH (D) | FOUNDATION DIAMETER (W) | BOLT CIRCLE DIAMETER ("BC") | ANCHOR BOLT LENGTH (L) | ANCHOR BOLT DIAMETER (A) |
| < OR = 30 FT | 6 FT | 2 FT | 11.5" | 2 FT | 1" |
| 31 - 35 FT | 6 FT | 2 FT | 11.5" | 2 FT | 1" |
| 36 - 40 FT | 6 FT | 3 FT | 15" | 2 FT | 1" |
| 41 - 45 FT | 6 FT | 3 FT | 15" | 2 FT | 1 - 1/4" |
| 46 - 50 FT | 9 FT | 3 FT | 15" | 3 FT | 1 - 1/4" |

NOTES:

1) WHEN ROCK IS ENCOUNTERED THE FOUNDATION DEPTH MAY BE REDUCED 6" FOR EVERY 12" OF EMBEDMENT IN ROCK. THE MINIMUM FOUNDATION DEPTH SHALL BE 4'-6" WITH CUT ANCHOR RODS 6 ABOVE BOTTOM OF EXCATED HOLE.

2) LIGHT POLE FOUNDATION TABLE BASED ON TWIN ARMS. FOR SINGLE ARMS THE DEPTH CAN BE REDUCTED BY 1FT.

3) TOTAL ANCHOR BOLT LENGTH IS L + H.

4) IN ACCORDANCE WITH FHWA. NO CONDUIT OR ANCHOR RODS SHALL PROTRUDE MORE THAN 4" ABOVE GRADE.

Wi-Skies, LLC

NO SCALE

REVISION DATES

LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER
POLE FOUNDATION DETAIL

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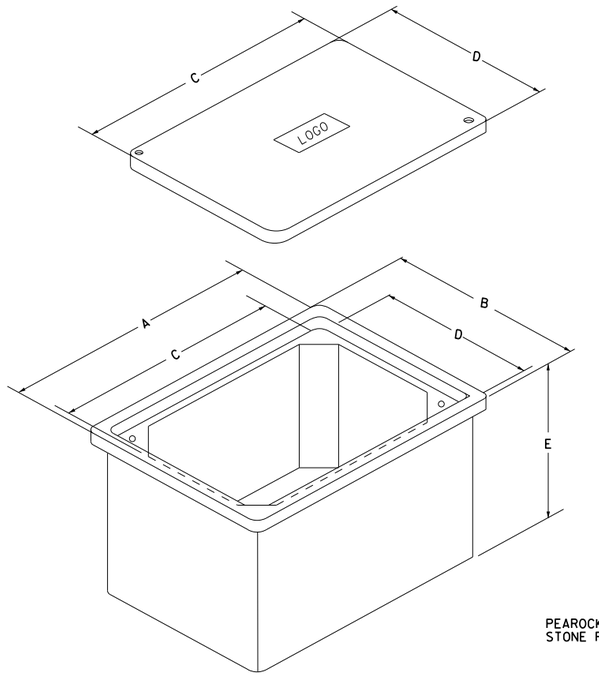
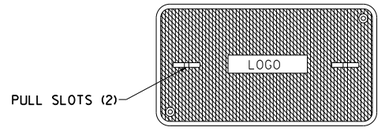



PULLBOX ASSEMBLY

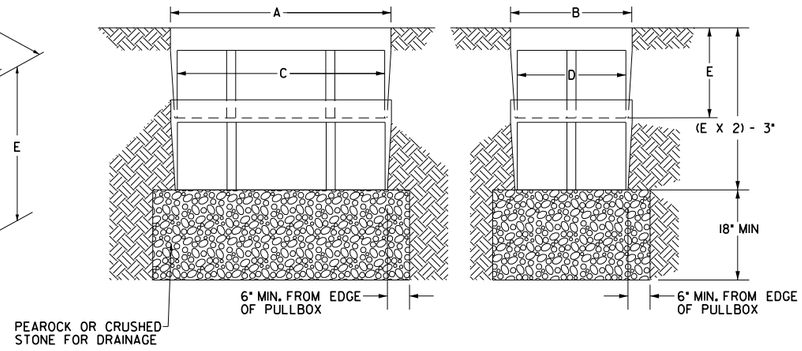
| PULLBOX TYPE | MINIMUM SIZE (IN.) | | | | | DIMENSION TOLERANCE FOR C & D |
|---|---|---|---|---|---|---|
| | A | B | C | D | E | |
| 2 | 21 | 14 | 18 | 11 | 12 | +/- 1" |
| 3 | 33 | 20 | 30 | 17 | 12 | +/- 1" |
| 4S | 38 | 26 | 36 | 24 | 18 | +/- 2" |
| 4 | 38 | 26 | 36 | 24 | 36 | +/- 2" |
| 5S | 50 | 32 | 48 | 30 | 18 | +/- 2" |
| 5 | 50 | 32 | 48 | 30 | 36 | +/- 2" |
| 6 | 38 | 26 | 36 | 24 | 36 | +/- 2" |
| 7 | 50 | 32 | 48 | 30 | 36 | +/- 2" |

NOTES:

1. PULL BOXES TYPE 4, 4S, 5, 5S, 6 & 7 SHALL HAVE 1" (DEGREE) FLARES FOR MAXIMUM STRENGTH.
2. DESIGN PULL BOXES TO MEET OR EXCEED THE TIER LOADING SET FORTH IN SPECIFICATION 682.
3. LOGO SHALL SAY "ELECTRIC", "GDOT COMMUNICATIONS OR "TRAFFIC SIGNALS", DEPENDING ON CONTENTS. CONTRACTOR SHALL SPECIFY THE LOGO PRIOR TO ORDERING.

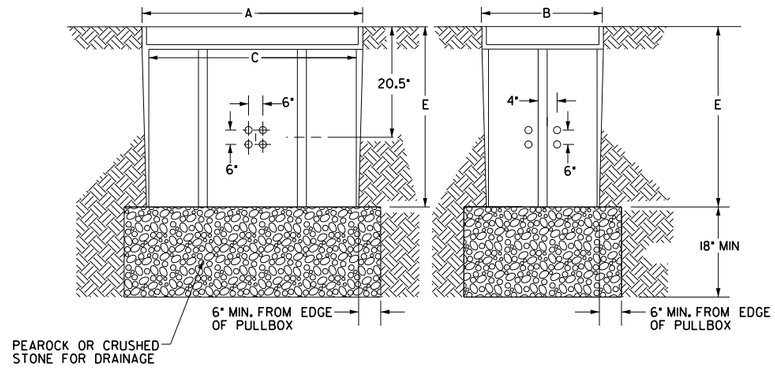



TOP VIEW



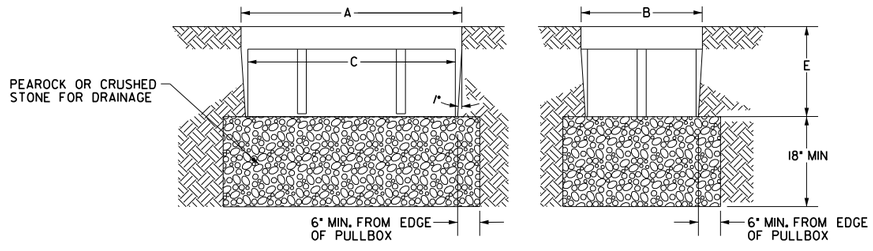

SIDE VIEW END VIEW

TYPE 4 AND 5 STACKABLE ASSEMBLY




SIDE VIEW END VIEW

TYPE 6 AND 7




SIDE VIEW END VIEW

TYPE 2, 3, 4S AND 5S

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NO SCALE

REVISION DATES

LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER
PULL BOX DETAILS

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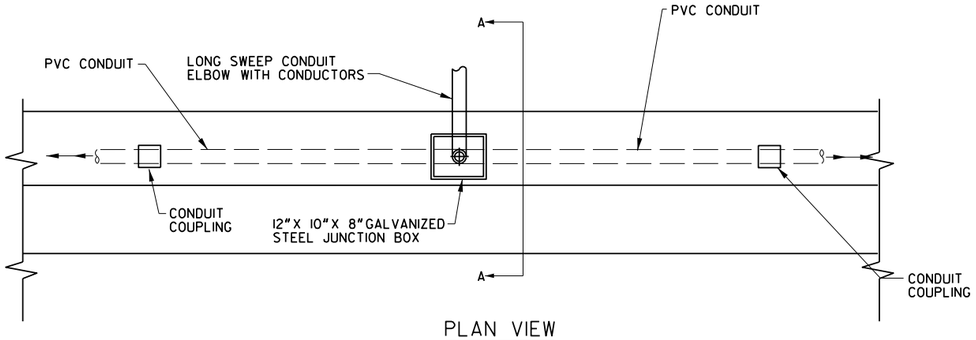
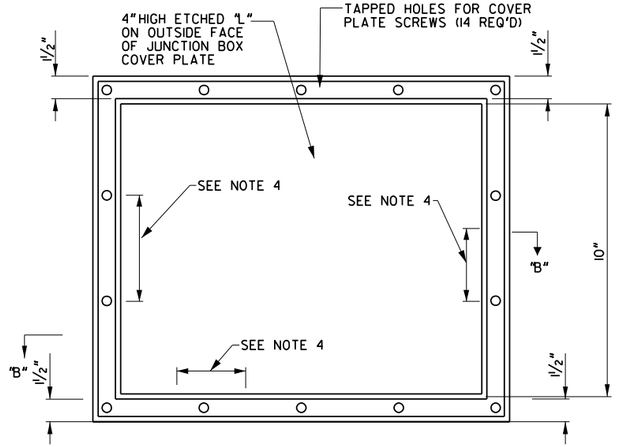
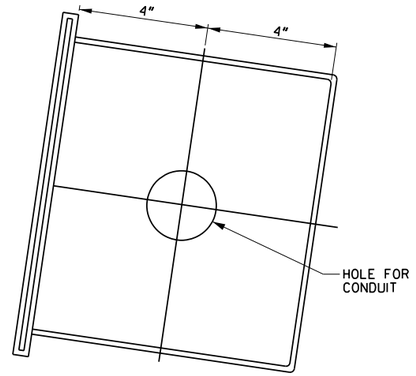


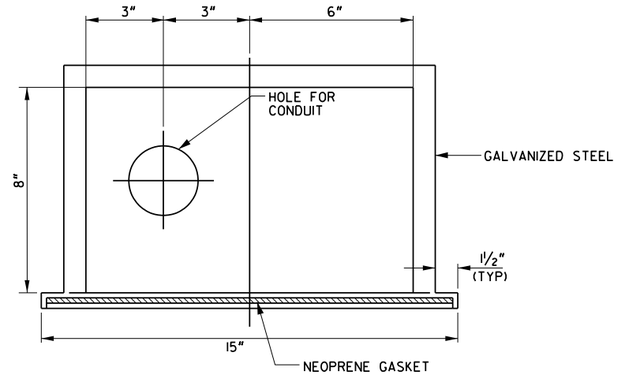

PLAN VIEW



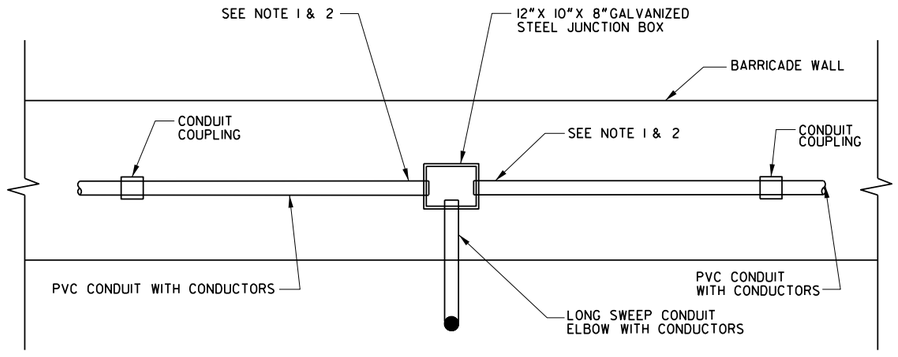

FRONT VIEW



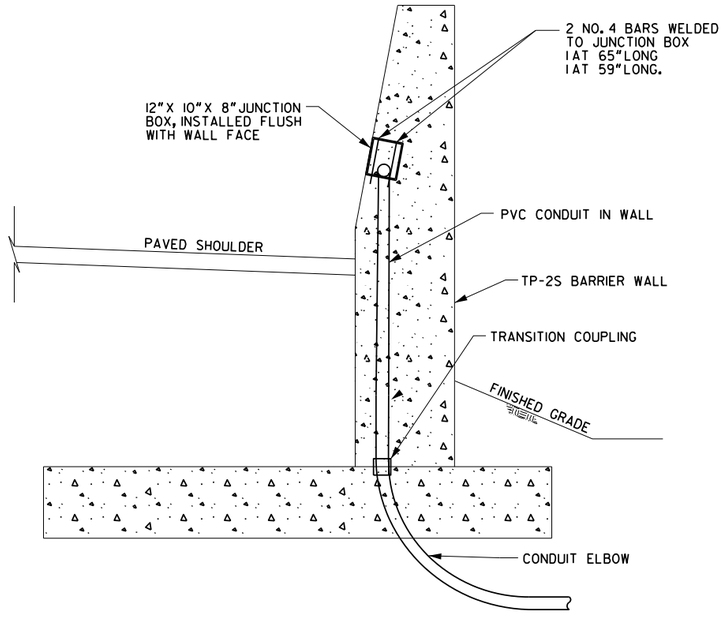

SIDE ELEVATION




SECTION B-B




SIDE VIEW




TP-2S BARRIER WALL - SECTION A-A

NOTES:

1. PVC CONDUITS SHALL BE ATTACHED TO JUNCTION BOXES WITH TERMINAL ADAPTORS "O"RINGS AND SCREWED LOCKNUTS.
2. CONDUIT SHALL BE CUT AND REMOVED AT JUNCTION BOX CONDUIT OPENINGS AND INSIDE BOX.
3. CONDUIT HOLE, SIZE AND QUANTITY AS NEEDED.
4. JUNCTION BOX IS TO BE INSTALLED A MINIMUM OF 10' FROM ANY LIGHT POLE INSTALLED ON BARRIER WALL.
5. BARRIER WALL TYPE SHOWN AS EXAMPLE, JUNCTION BOX MAY BE INSTALLED IN ANY APPROVED STANDARD WALL TYPE.

Wi-Skies, LLC

NO SCALE

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LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER
JUNCTION BOX EMBEDDED IN WALL

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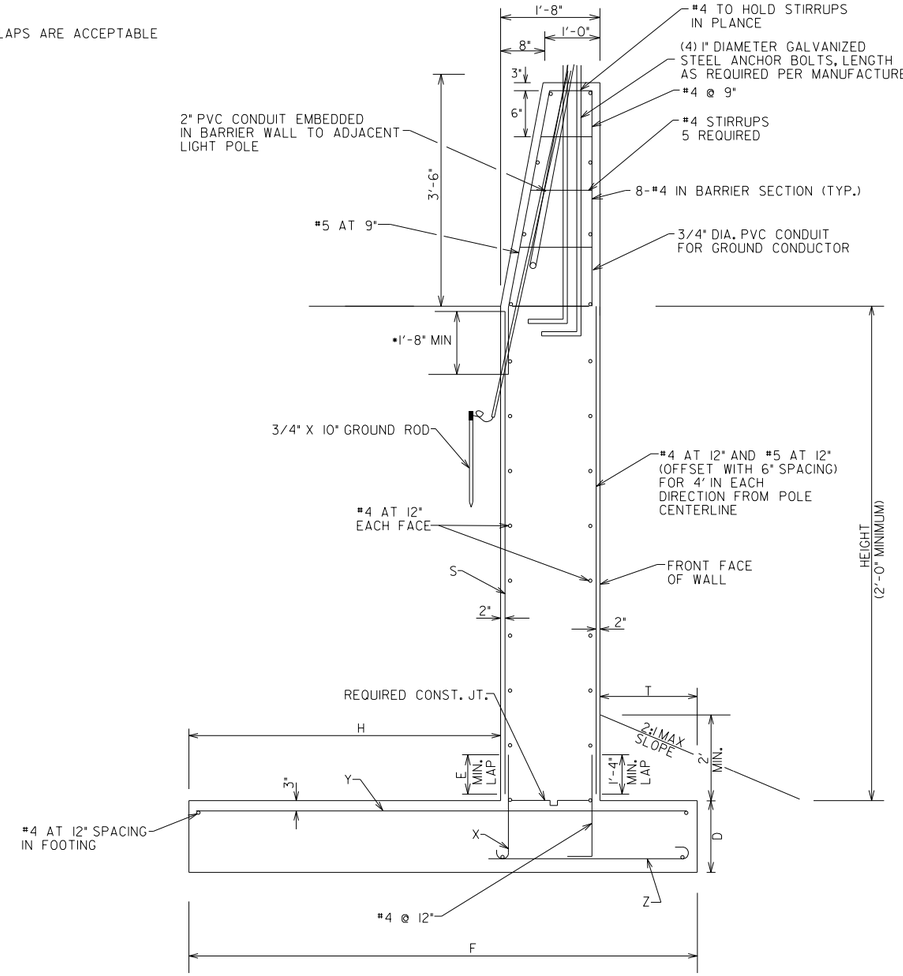
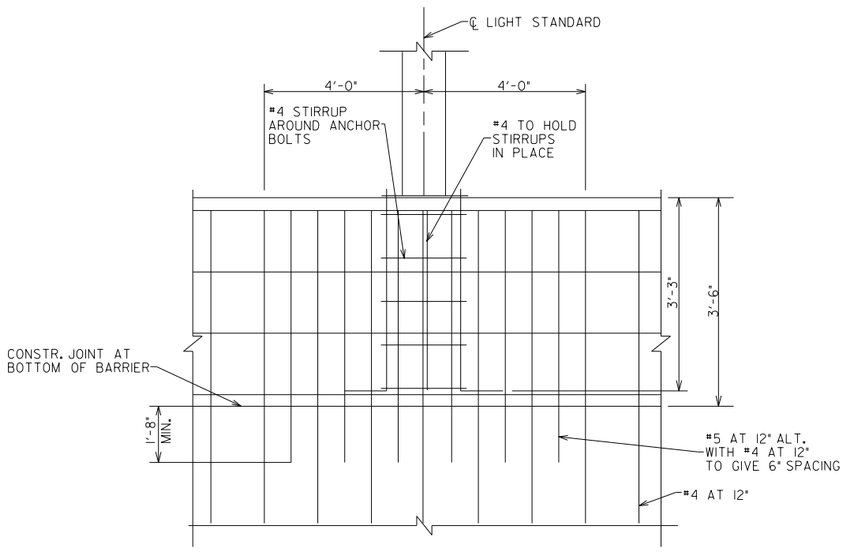
•NON-CONTACT LAPS ARE ACCEPTABLE

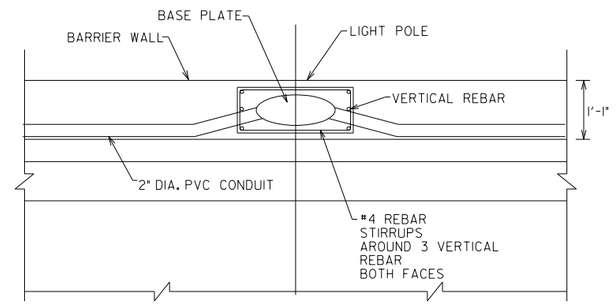



TYPE 2-S SIDE BARRIER WITH LIGHT POLE FOUNDATION
(POLES UP TO 50')

| MAX HEIGHT | WALL DIMENSIONS | | | | | REINFORCEMENT | | | | Δ (INCHES) | REQUIRED NONMINAL RESISTANCE | TYPE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | E | F | H | T | S | X | Y | Z | | | |
| 7' | 1'-0" | 1'-4" | 6'-8" | 3'-9" | 1'-3" | #4 AT 11" | #4 AT 11" | #5 AT 11" | #4 AT 18" | 0" | 4.25 KSF | 2-S |
| 9' | 1'-0" | 1'-4" | 7'-8" | 5'-0" | 1'-0" | #4 AT 7" | #4 AT 7" | #5 AT 7" | #4 AT 18" | 1/16" | | 2-SA |
| 11' | 1'-3" | 1'-8" | 9'-2" | 6'-3" | 1'-3" | #5 AT 8" | #5 AT 8" | #6 AT 8" | #4 AT 18" | 1/8" | | 2-SB |
| 13' | 1'-3" | 1'-8" | 10'-5" | 7'-3" | 1'-6" | #5 AT 7" | #5 AT 7" | #6 AT 7" | #4 AT 18" | 5/16" | | 2-SC |




REINFORCEMENT
(BACK FACE OF BARRIER)




PLAN VIEW

Wi-Skies, LLC

NO SCALE

REVISION DATES

LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER
LIGHT POLE FOUNDATION INTEGRAL TO TYPE 2S BARRIER

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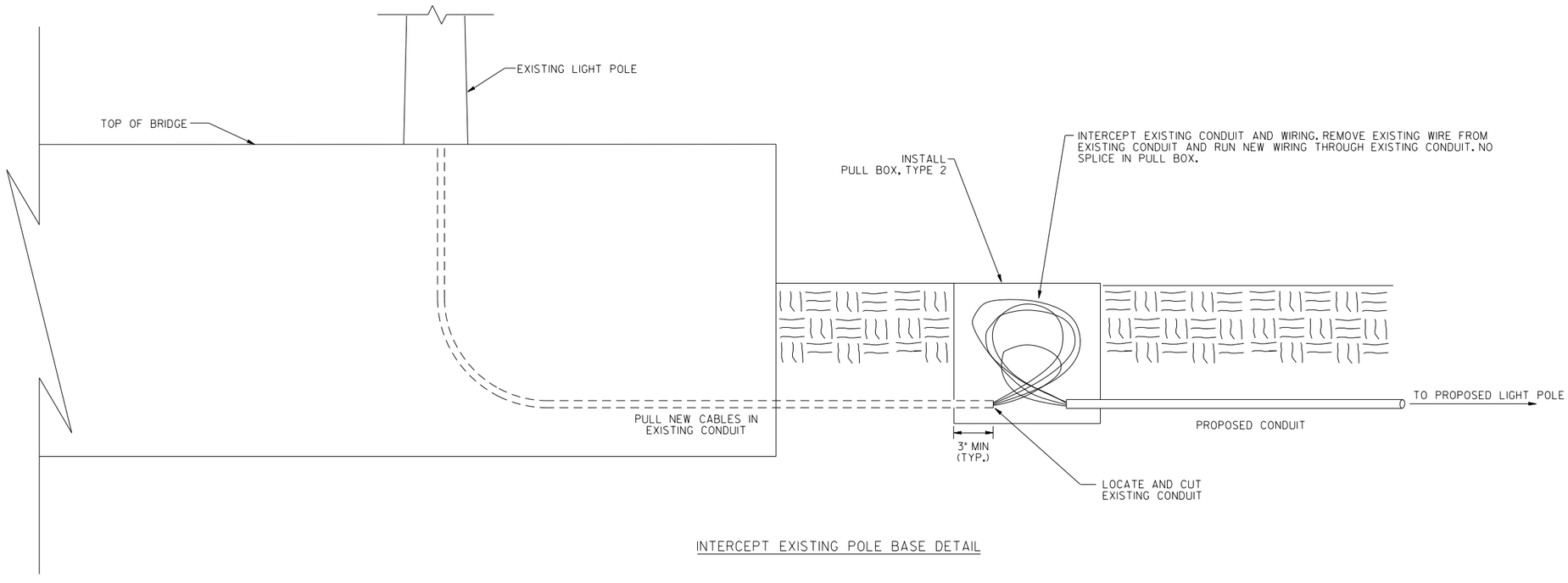


INTERCEPT EXISTING POLE BASE DETAIL

GPLN-CE

Wi-Skies, LLC

NO SCALE

REVISION DATES

LIGHTING PLAN
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

INTERCEPT EXISTING CONDUIT DETAIL

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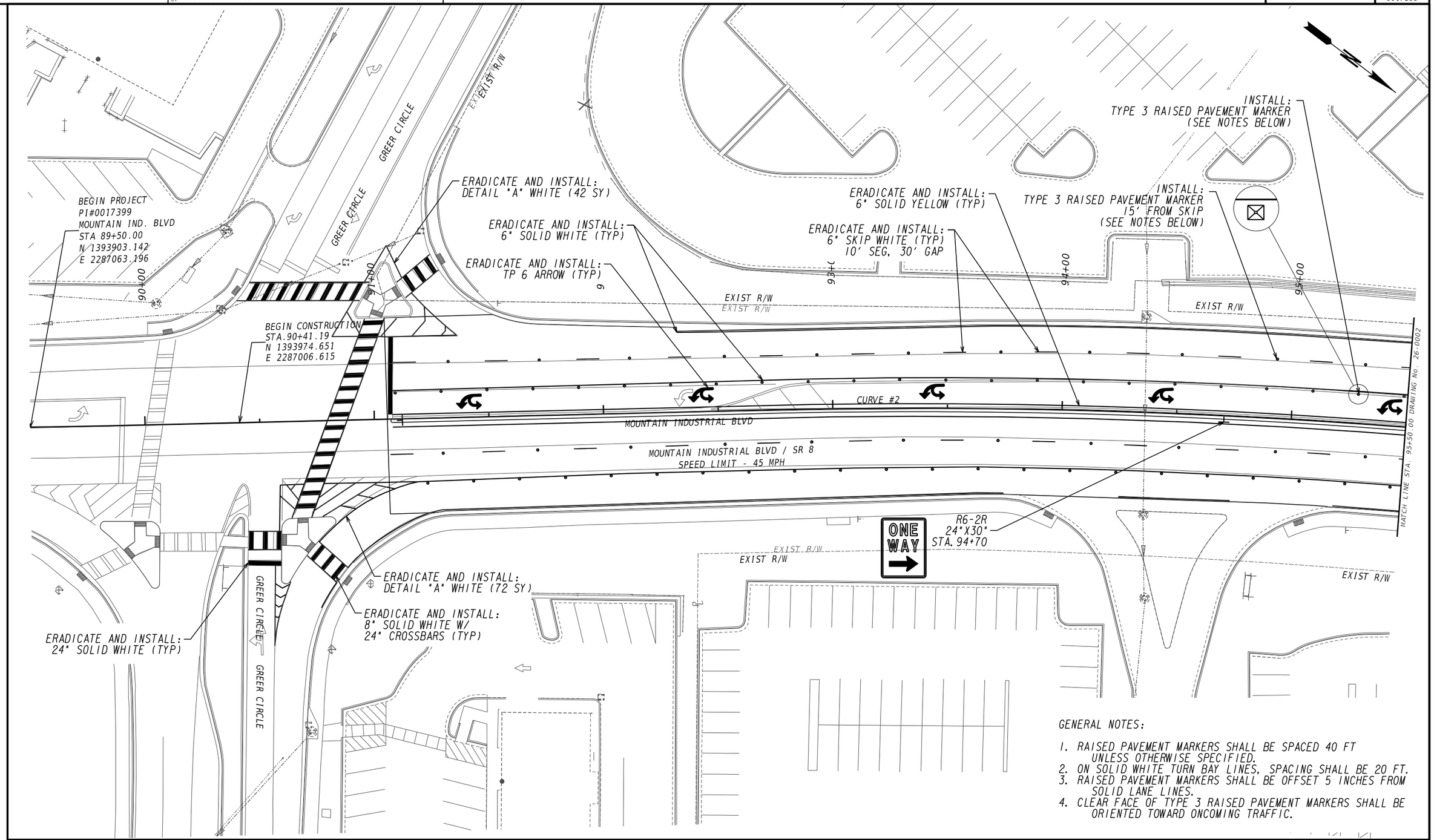


GENERAL NOTES:

1. RAISED PAVEMENT MARKERS SHALL BE SPACED 40 FT UNLESS OTHERWISE SPECIFIED.
2. ON SOLID WHITE TURN BAY LINES, SPACING SHALL BE 20 FT.
3. RAISED PAVEMENT MARKERS SHALL BE OFFSET 5 INCHES FROM SOLID LANE LINES.
4. CLEAR FACE OF TYPE 3 RAISED PAVEMENT MARKERS SHALL BE ORIENTED TOWARD ONCOMING TRAFFIC.

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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11/05/2020

REQ'D 40 SY THERMOPLASTIC WHITE STIPING GDOT STD.-14 DETAIL "C"

INSTALL: TYPE 3 RAISED PAVEMENT MARKER 15' FROM SKIP (SEE NOTES BELOW)

INSTALL: TYPE 3 RAISED PAVEMENT MARKER (SEE NOTES BELOW)

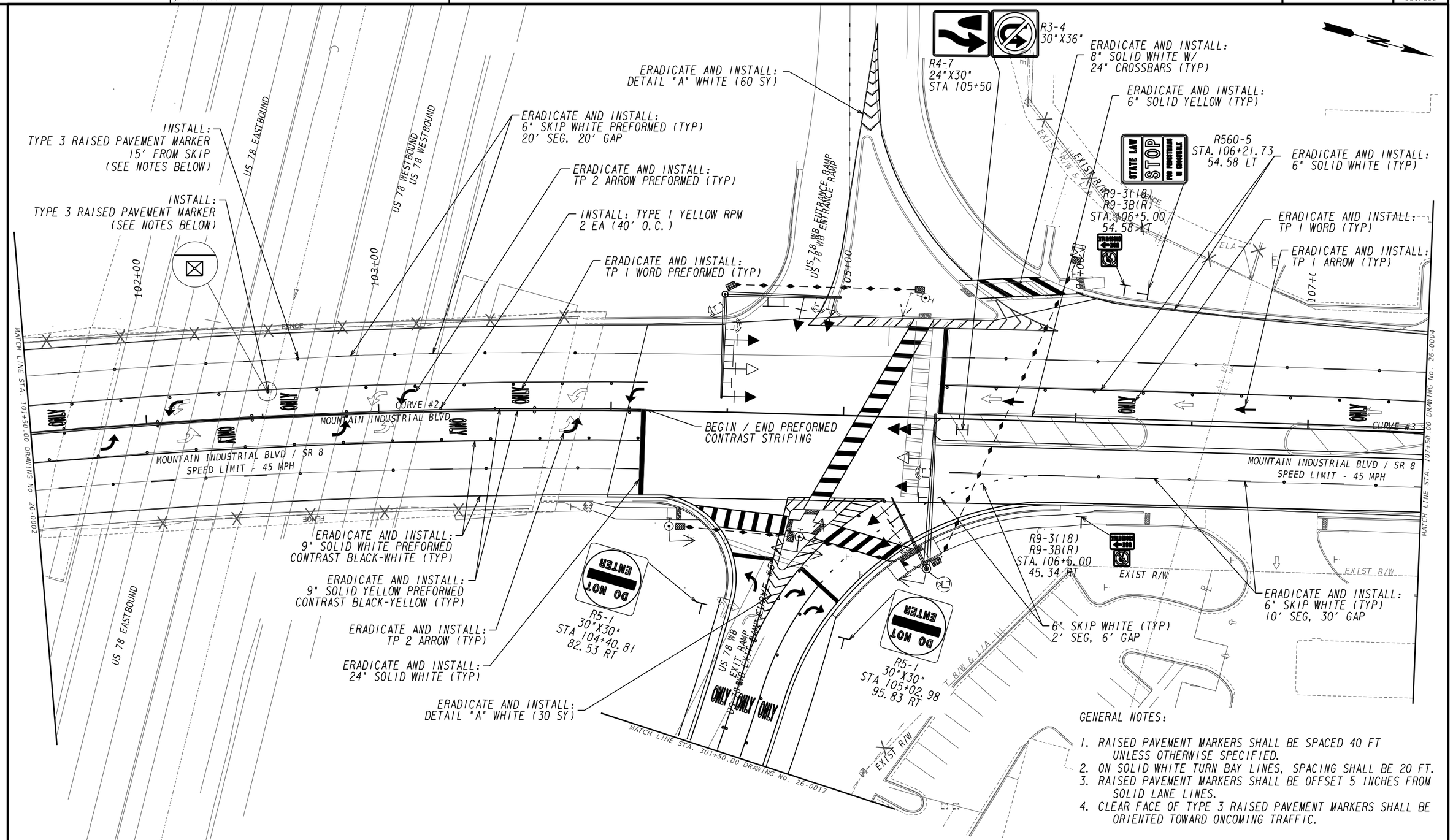
INSTALL: 24" SOLID WHITE (TYP)

MATCH LINE STA. 219+00.00 DRAWING NO. 26-0011

EXIST R/W

EXIST R/W

EXIST R/W




GENERAL NOTES:

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2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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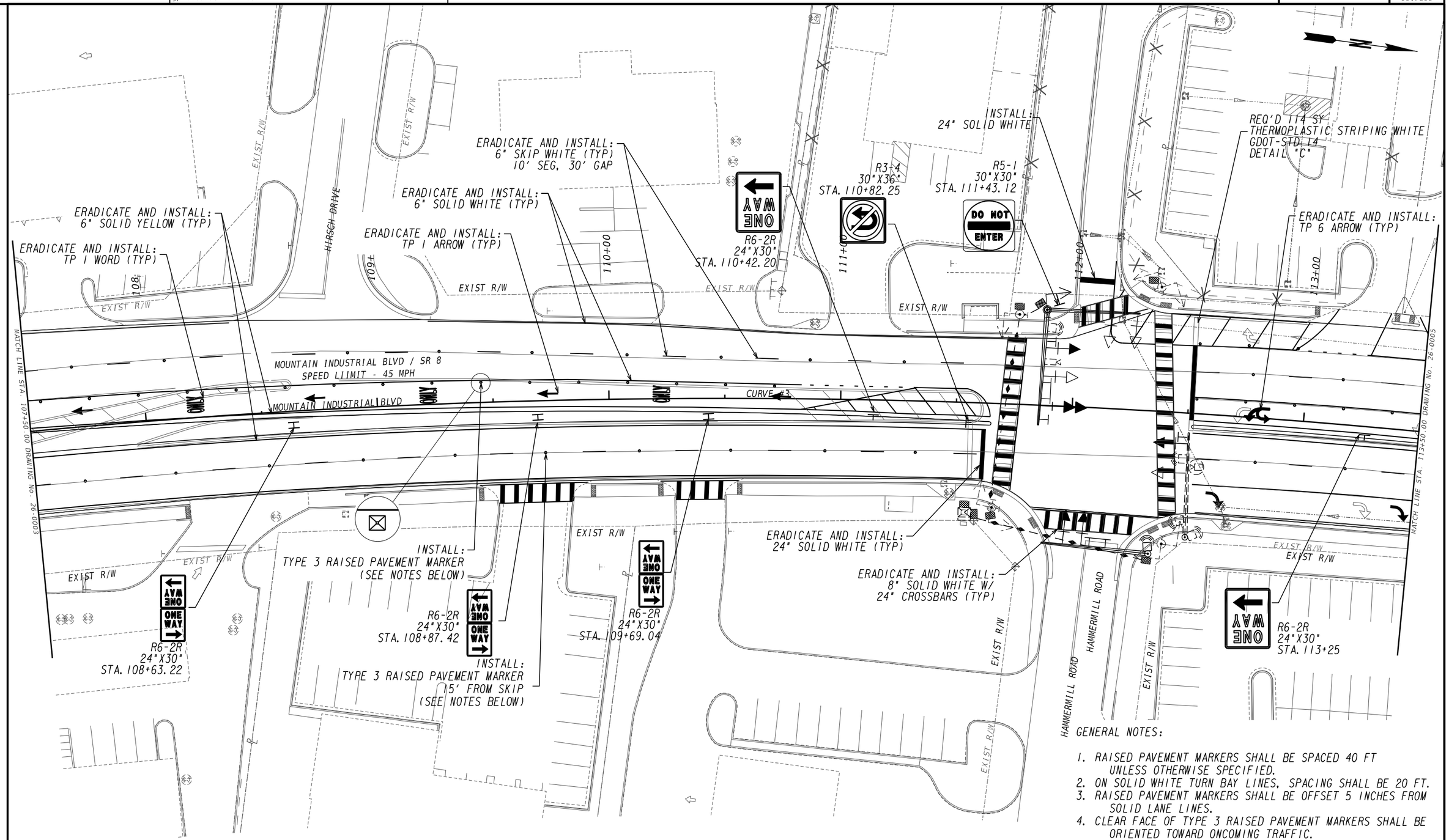
GPLN-CE
11/05/2020




GENERAL NOTES:

1. RAISED PAVEMENT MARKERS SHALL BE SPACED 40 FT UNLESS OTHERWISE SPECIFIED.
2. ON SOLID WHITE TURN BAY LINES, SPACING SHALL BE 20 FT.
3. RAISED PAVEMENT MARKERS SHALL BE OFFSET 5 INCHES FROM SOLID LANE LINES.
4. CLEAR FACE OF TYPE 3 RAISED PAVEMENT MARKERS SHALL BE ORIENTED TOWARD ONCOMING TRAFFIC.

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 26-0004 |
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| VERIFIED: | | DATE: | | |

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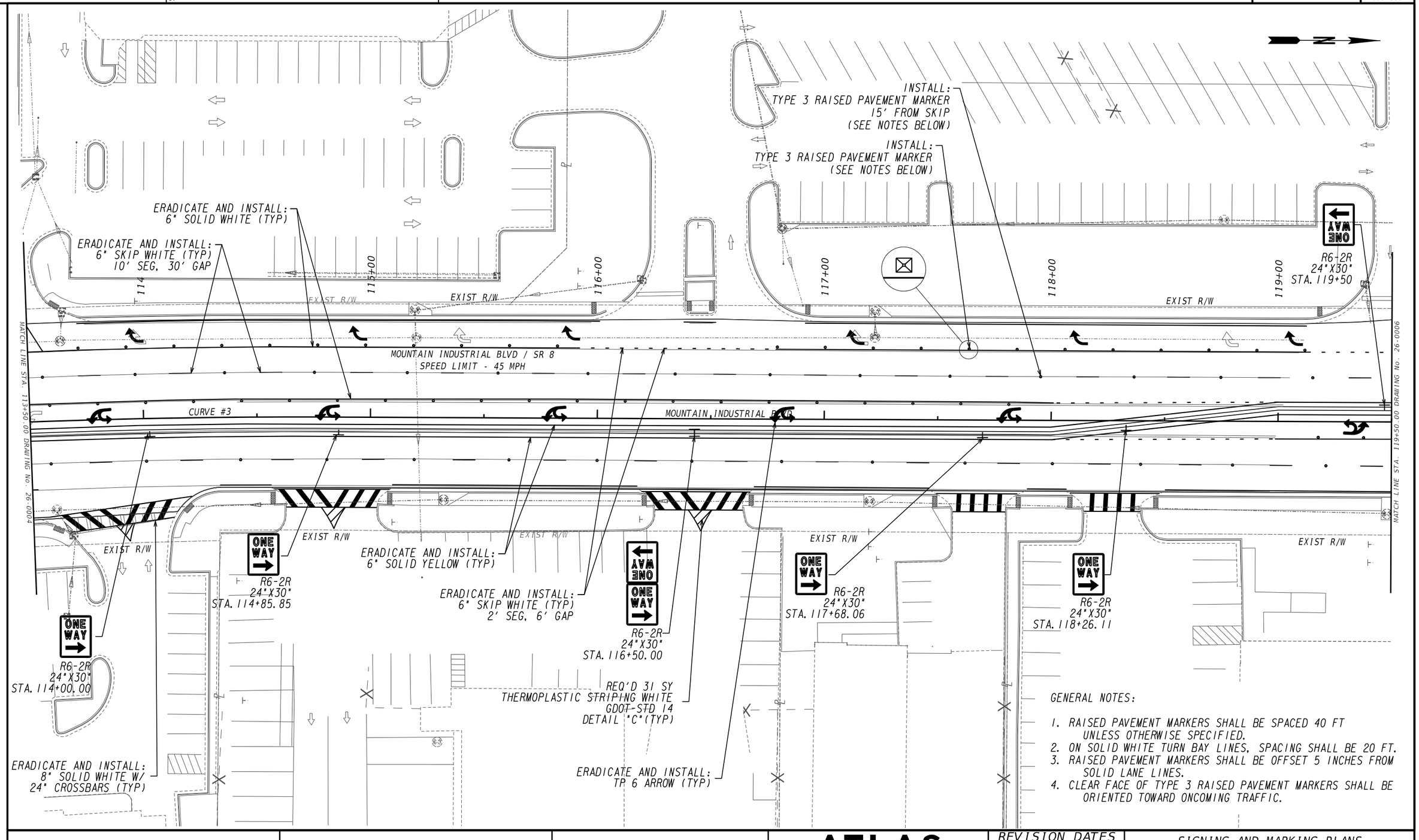
11/05/2020

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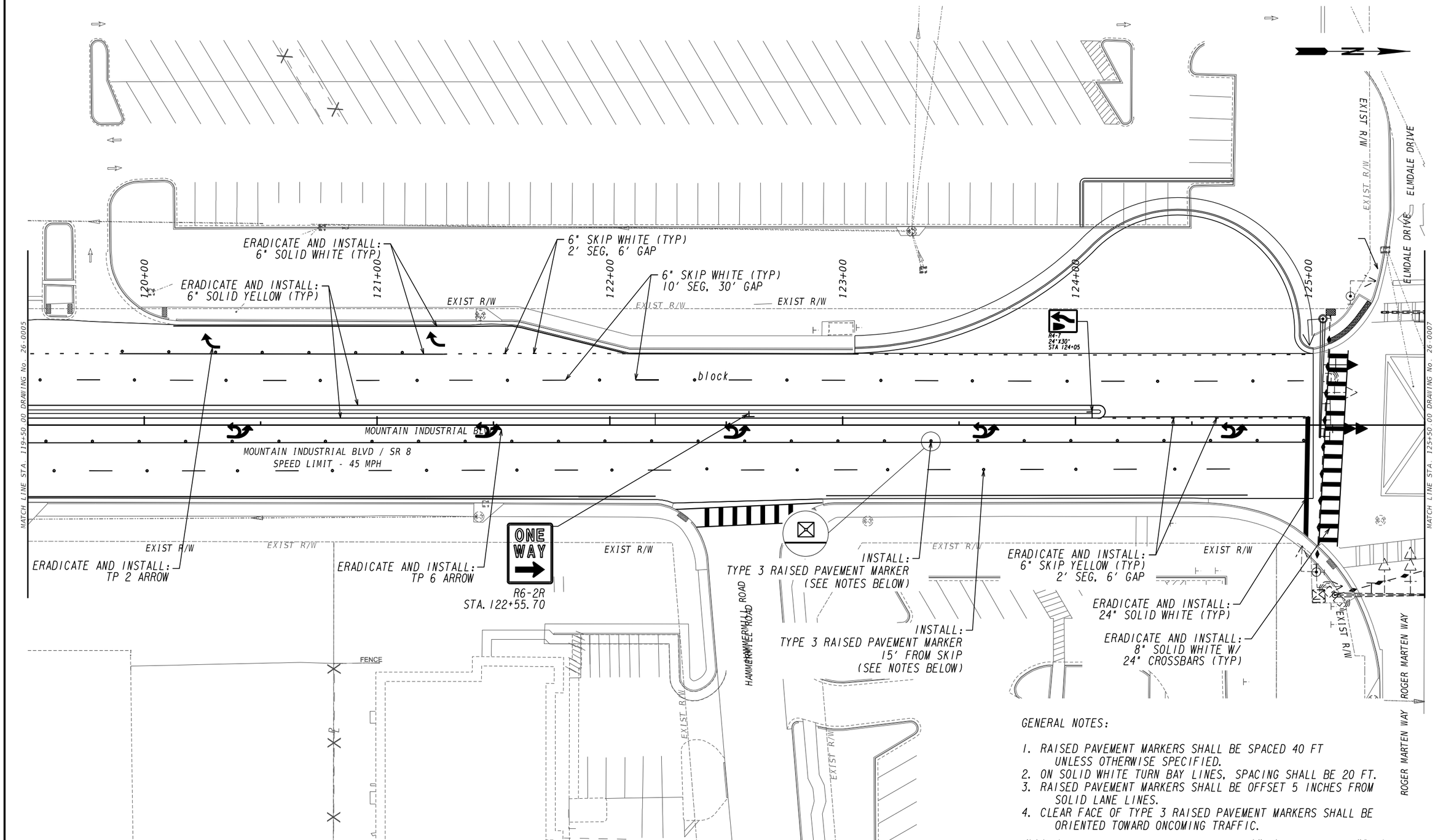


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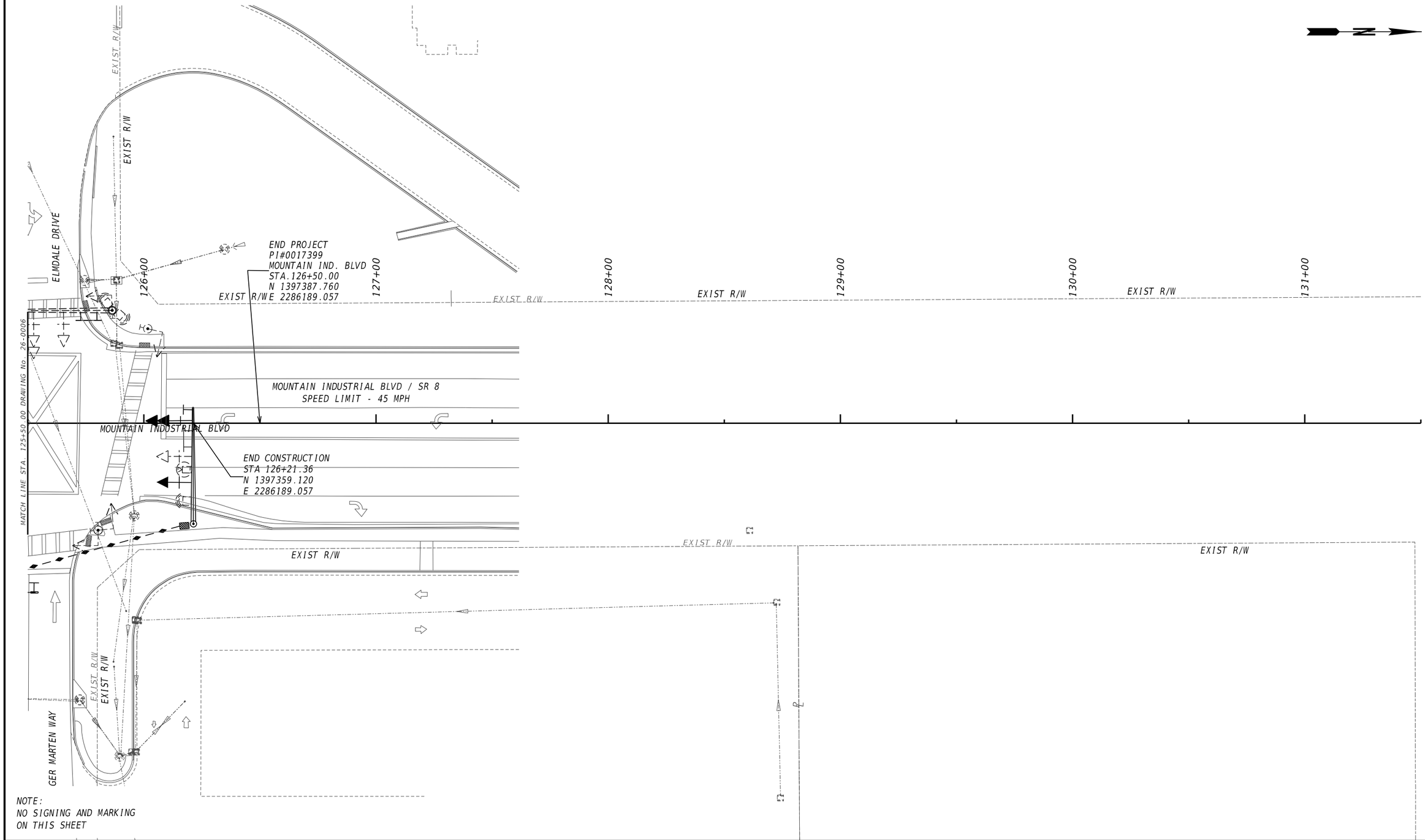


NOTE:
NO SIGNING AND MARKING
ON THIS SHEET

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

SIGNING AND MARKING PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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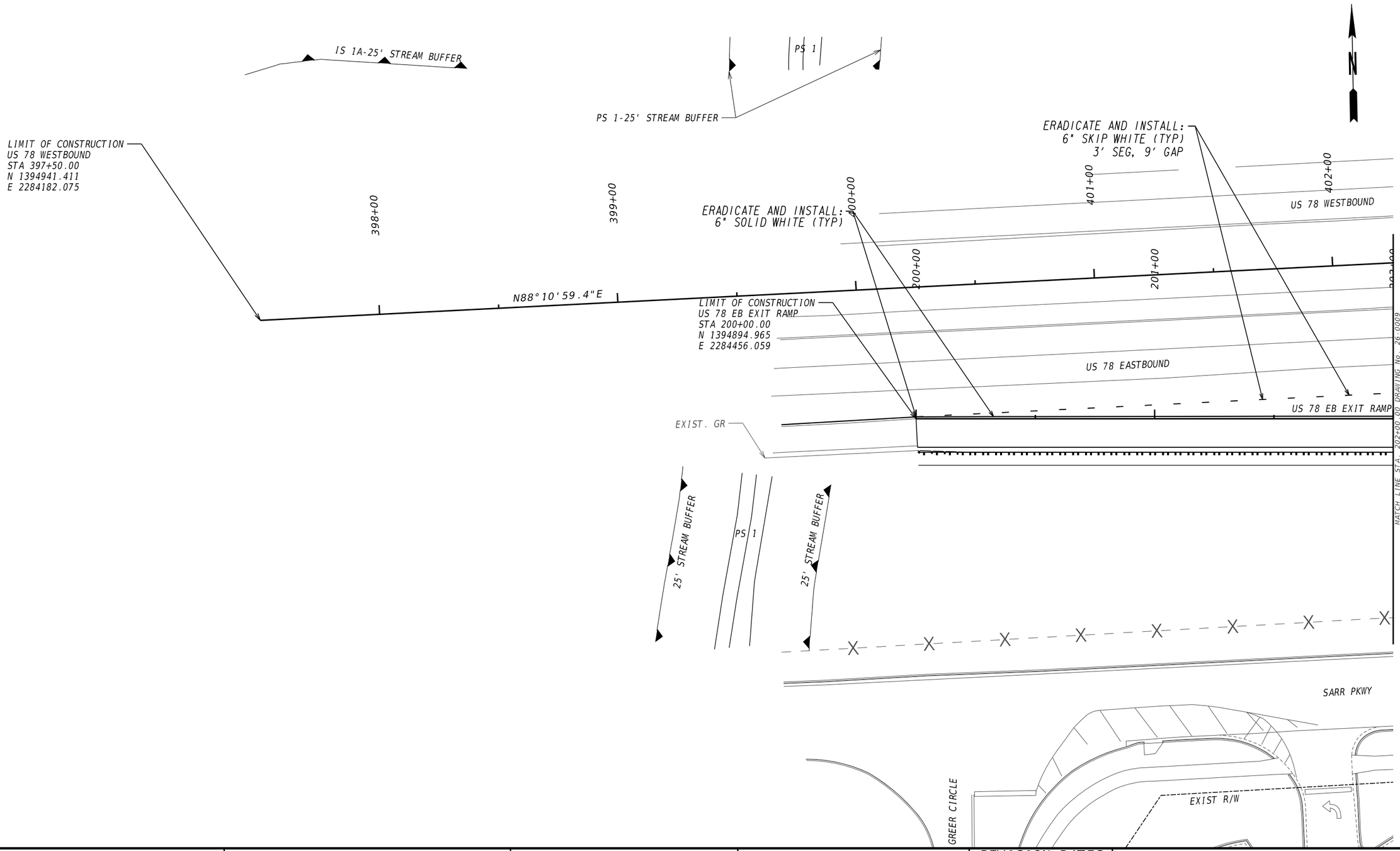


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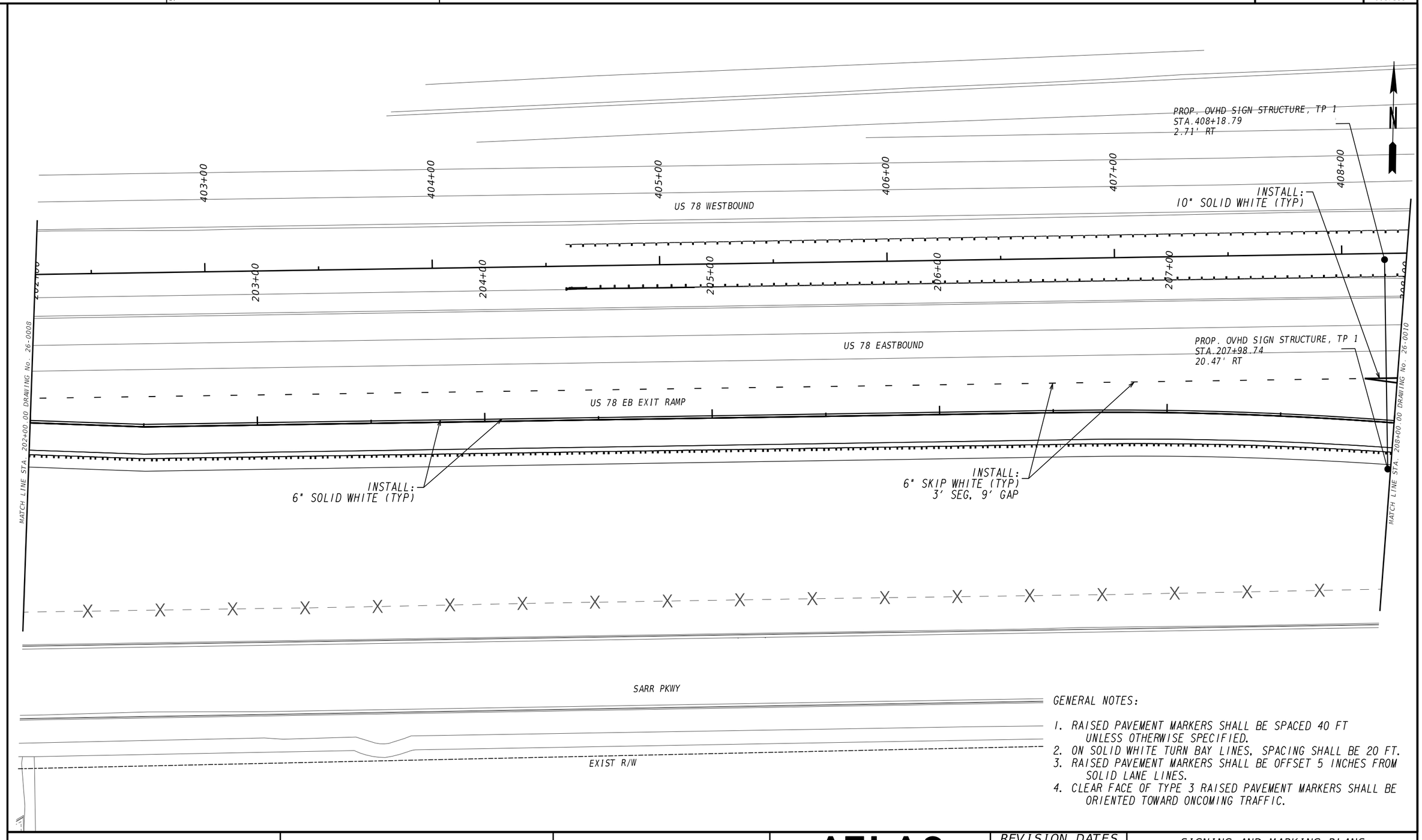


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US 78 AT MOUNTAIN IND. BLVD
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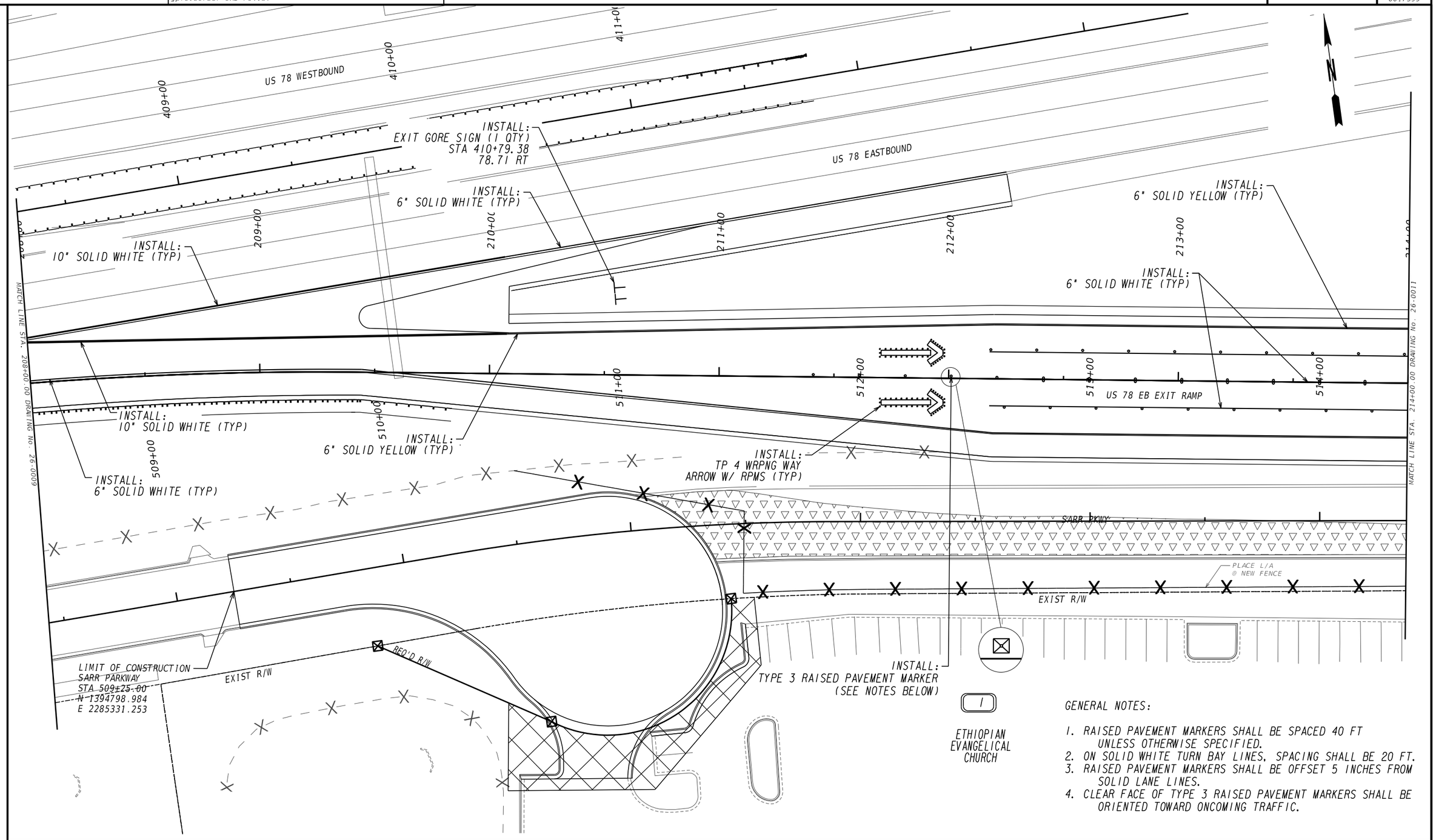


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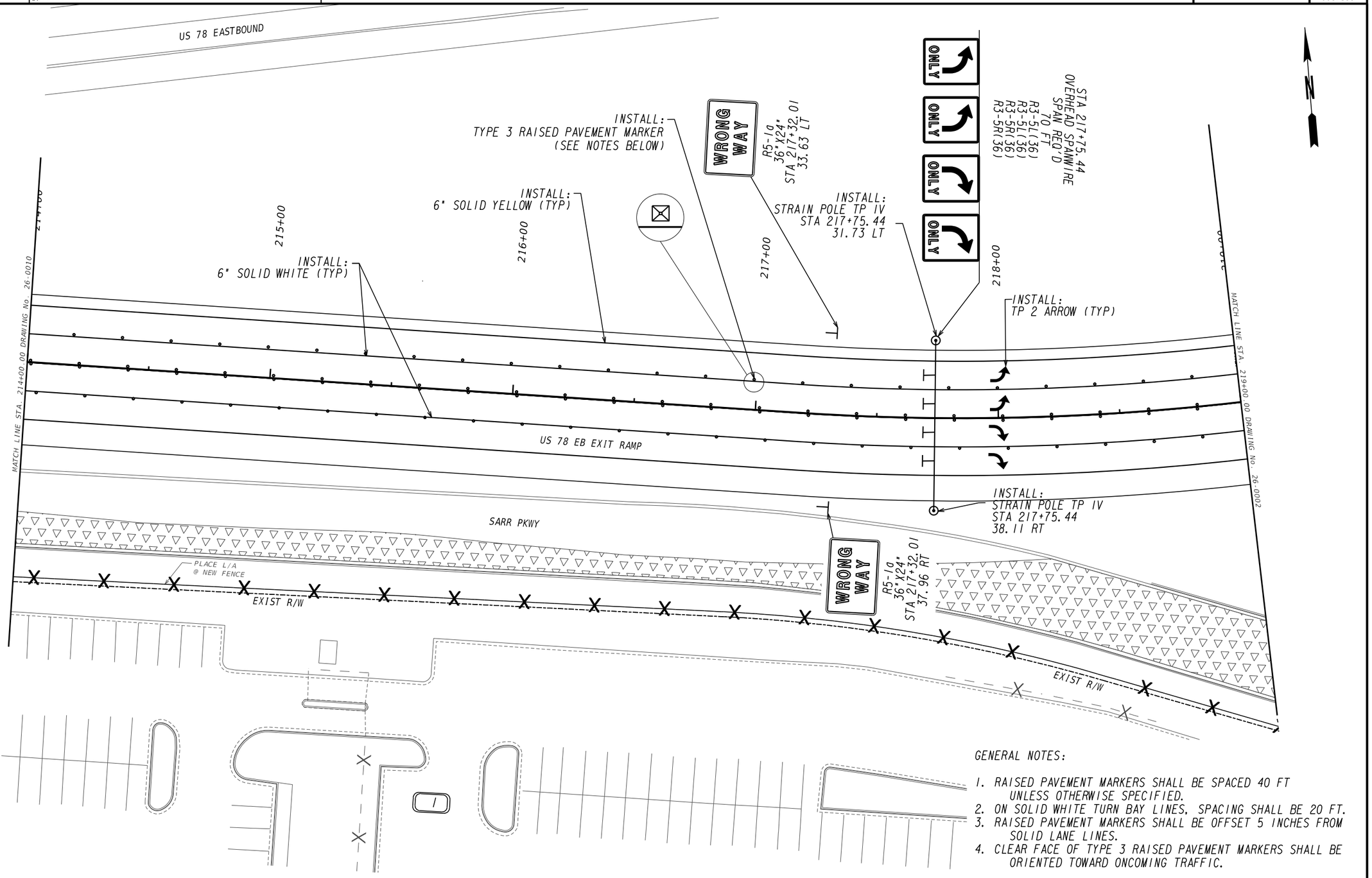


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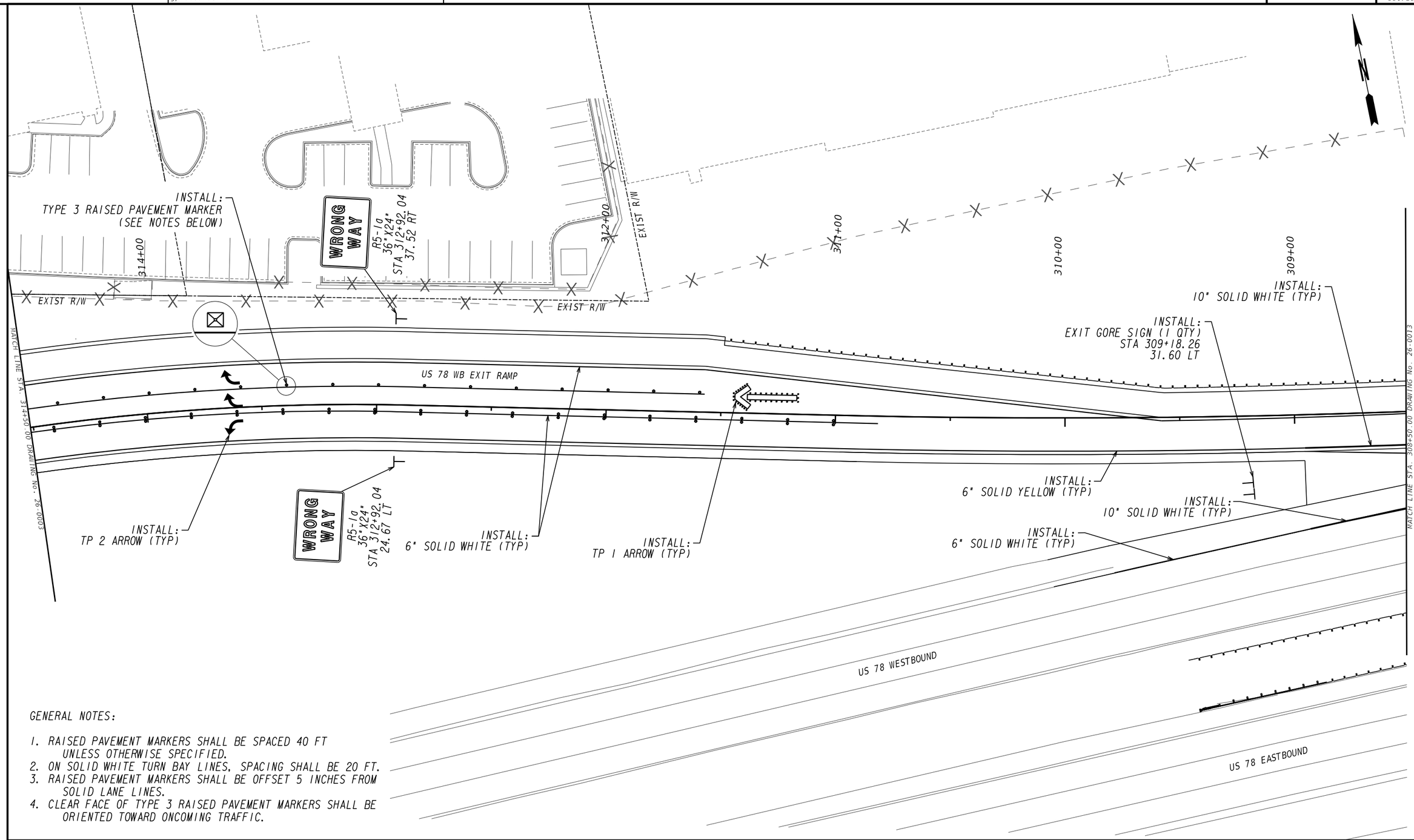
11/05/2020

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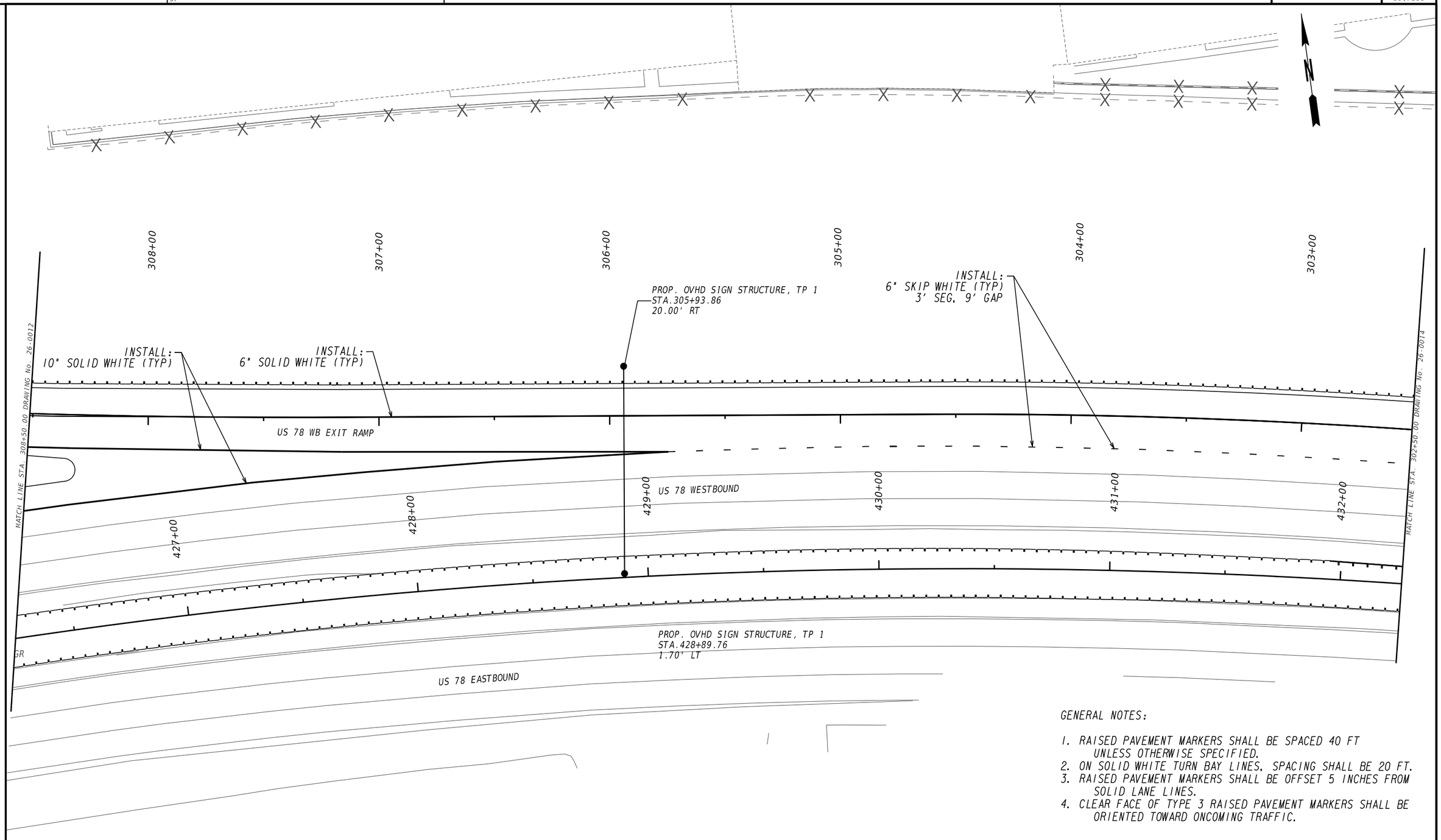


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11/05/2020

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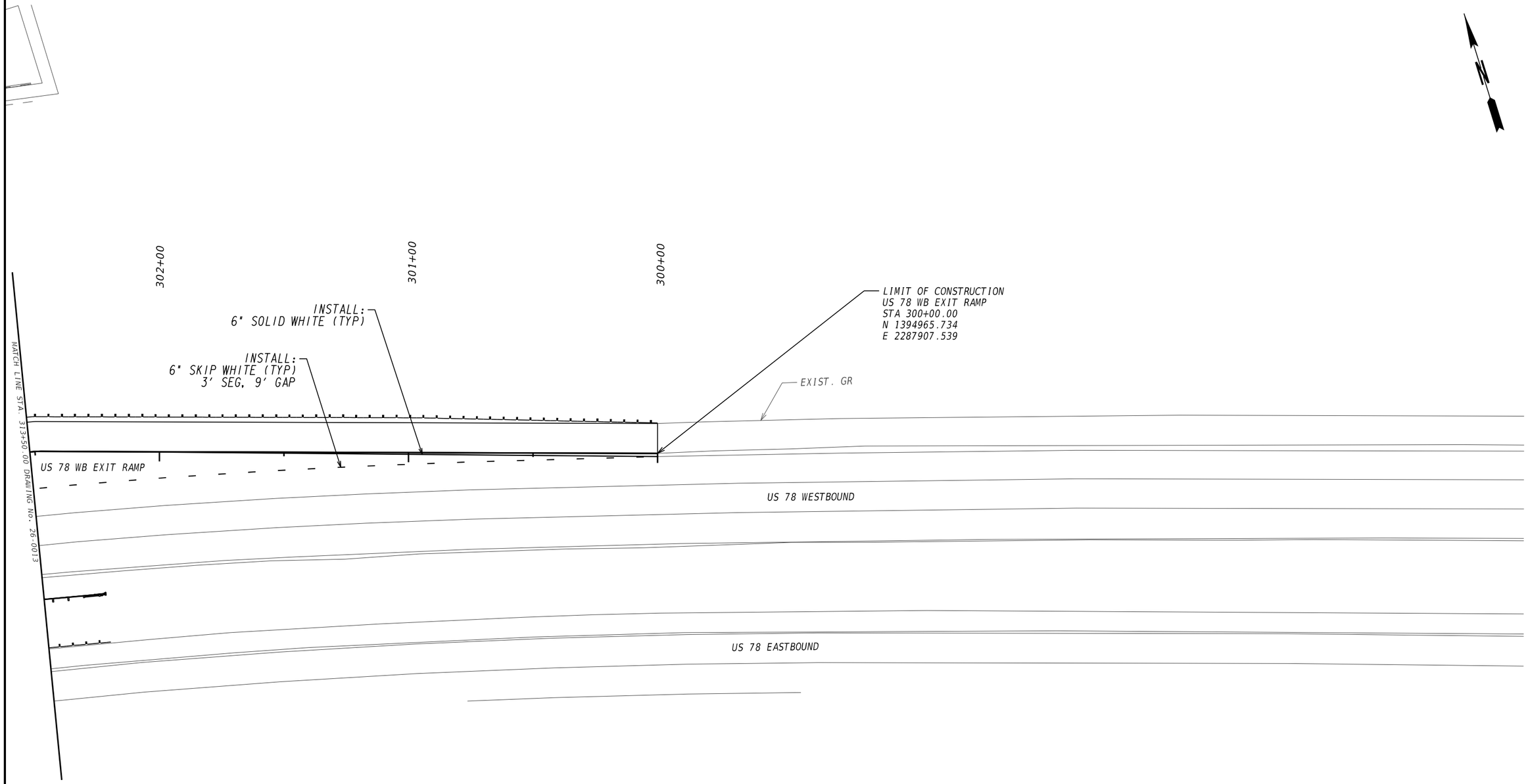


ATLAS
2450 Commerce Avenue
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770.263.5945

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REVISION DATES

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SIGNING AND MARKING PLANS

US 78 AT MOUNTAIN IND. BLVD

CITY OF TUCKER

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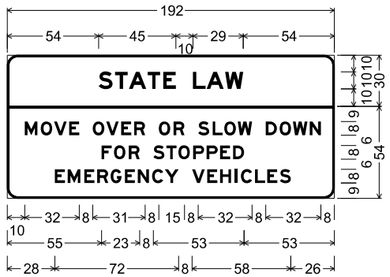
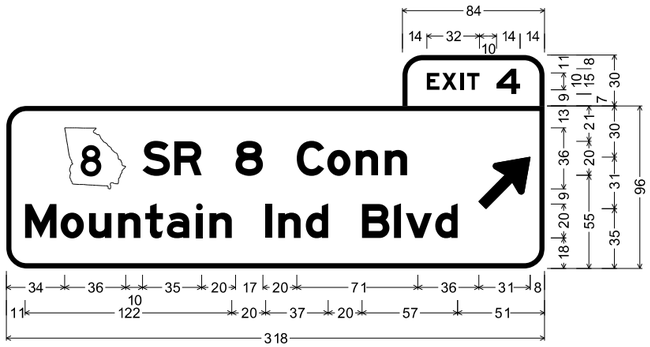
GPLN-CE
11/05/2020

# DETAIL & CLEARANCE DIAGRAM FOR OVERHEAD SIGNS
# STRUCTURAL SUPPORT #1 US 78 @ MIB EB EXIT RAMP
# STA 408+18.79 (LEFT POST) AND 207+98.74 (RIGHT POST)
# –NO SCALE–



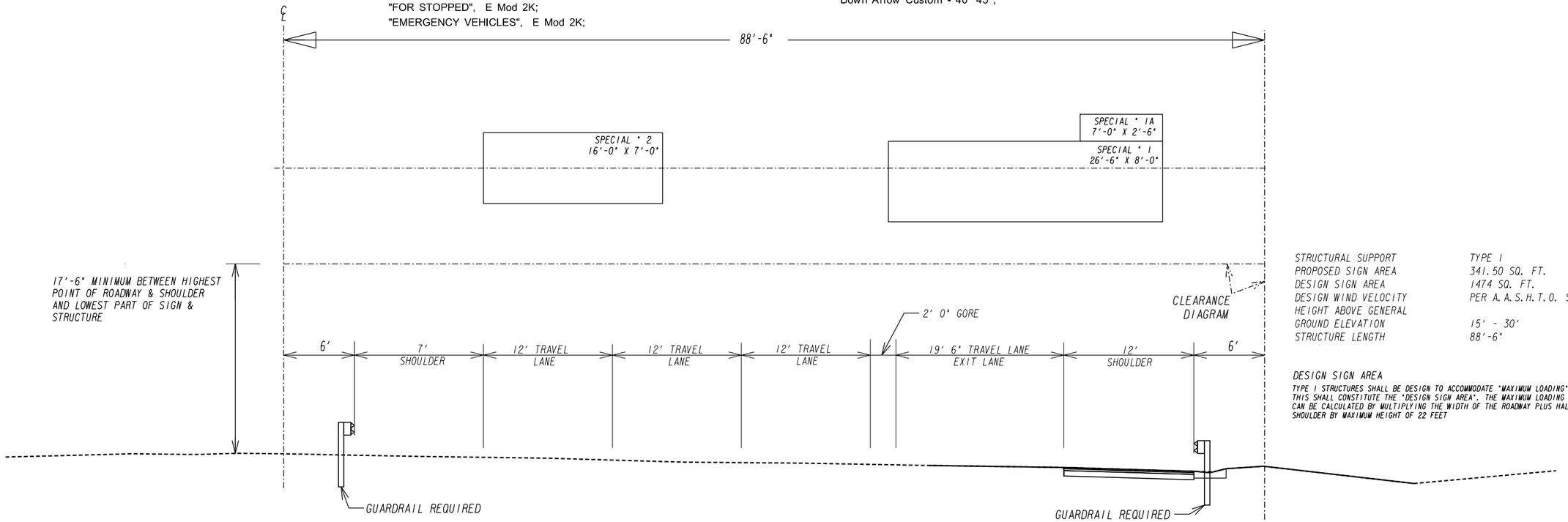

Special Sign #2
6" Radius, 1" Border, Black on Yellow;
"STATE LAW", E Mod 2K;

6" Radius, 1" Border, Black on White;
"MOVE OVER OR SLOW DOWN", E Mod 2K;
"FOR STOPPED", E Mod 2K;
"EMERGENCY VEHICLES", E Mod 2K;




12" Radius, 3" Border, White on Green;
"EXIT", E Mod 2K 105% spacing; "4", E Mod 2K;

12" Radius, 3" Border, White on Green;
"SR 8 Conn.", E Mod 2K 50% spacing;
"Mountain Ind Blvd", E Mod 2K 50% spacing;
Down Arrow Custom - 40" 45°;




| | |
|---|---|
| STRUCTURAL SUPPORT | TYPE I |
| PROPOSED SIGN AREA | 341.50 SQ. FT. |
| DESIGN SIGN AREA | 1474 SQ. FT. |
| DESIGN WIND VELOCITY | PER A.A.S.H.T.O. SPECS. |
| HEIGHT ABOVE GENERAL GROUND ELEVATION | 15' - 30' |
| STRUCTURE LENGTH | 88'-6" |

DESIGN SIGN AREA

TYPE I STRUCTURES SHALL BE DESIGN TO ACCOMMODATE "MAXIMUM LOADING" AND THIS SHALL CONSTITUTE THE "DESIGN SIGN AREA". THE MAXIMUM LOADING (SQ. FT.) CAN BE CALCULATED BY MULTIPLYING THE WIDTH OF THE ROADWAY PLUS HALF OF EACH SHOULDER BY MAXIMUM HEIGHT OF 22 FEET

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

NO SCALE

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SIGNING AND MARKING PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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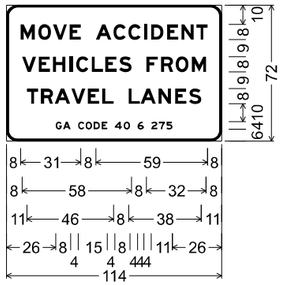
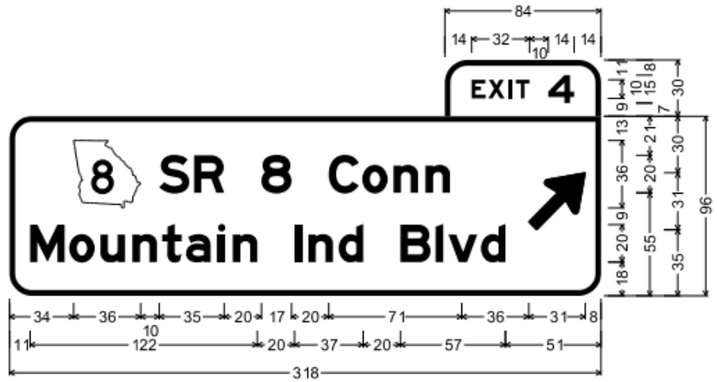
# DETAIL & CLEARANCE DIAGRAM FOR OVERHEAD SIGNS
# STRUCTURAL SUPPORT #2 US 78 @ MIB WB EXIT RAMP
# STA 428+89.76 (LEFT POST) AND 305+93.86 (RIGHT POST)
# –NO SCALE–

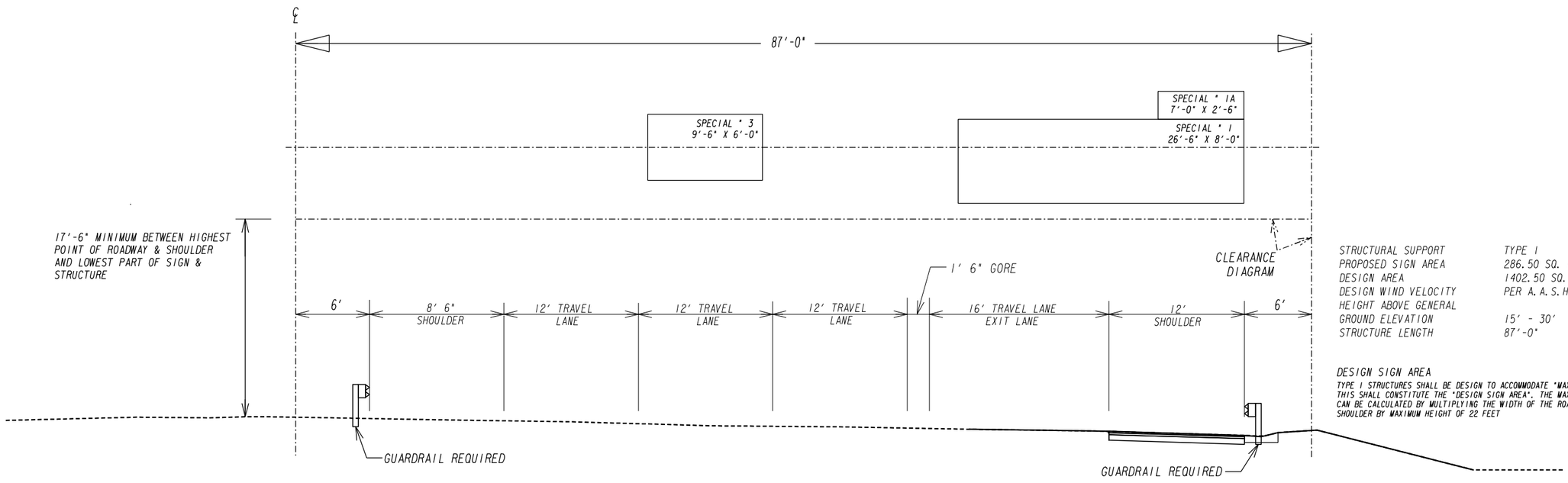



Special Sign #3
6" Radius, 1" Border, White on White;
"MOVE ACCIDENT" Black, E Mod 2K;
"VEHICLES FROM" Black, E Mod 2K;
"TRAVEL LANES" Black, E Mod 2K;
"GA CODE 40 6 275" Black, E Mod 2K;




12" Radius, 3" Border, White on Green;
"EXIT", E Mod 2K 105% spacing; "4", E Mod 2K;

12" Radius, 3" Border, White on Green;
"SR 8 Conn.", E Mod 2K 50% spacing;
"Mountain Ind Blvd", E Mod 2K 50% spacing;
Down Arrow Custom - 40" 45°;




| | |
|---|---|
| STRUCTURAL SUPPORT | TYPE I |
| PROPOSED SIGN AREA | 286.50 SQ. FT. |
| DESIGN AREA | 1402.50 SQ. FT. |
| DESIGN WIND VELOCITY | PER A.A.S.H.T.O. SPECS. |
| HEIGHT ABOVE GENERAL GROUND ELEVATION | 15' - 30' |
| STRUCTURE LENGTH | 87'-0" |

**DESIGN SIGN AREA**

TYPE I STRUCTURES SHALL BE DESIGN TO ACCOMMODATE "MAXIMUM LOADING" AND THIS SHALL CONSTITUTE THE "DESIGN SIGN AREA". THE MAXIMUM LOADING (SQ. FT.) CAN BE CALCULATED BY MULTIPLYING THE WIDTH OF THE ROADWAY PLUS HALF OF EACH SHOULDER BY MAXIMUM HEIGHT OF 22 FEET

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NO SCALE

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SIGNING AND MARKING PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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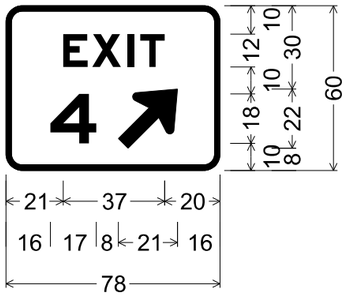
# PROPOSED SIGNS




Exit Gore Sign
Qty x 2
6" Radius, 2" Border, White on Green;
"EXIT", E Mod 2K;
"4", E Mod 2K;
Down Arrow Custom - 28" 45°;

ATLAS
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FEBRUARY 2021 REVISION

# LEGEND - TRAFFIC SIGNALS

## EXISTING

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION FACE
- 3 SECTION FACE W/BACKPLATE
- 4 SECTION FACE
- 4 SECTION FACE W/BACKPLATE
- 4/5 SECTION (CLUSTER/T-SHAPE) FACE
- 4/5 SECTION (CLUSTER/T-SHAPE) FACE W/BACKPLATE
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL FACE
- CURB CUT RAMP, ALL TYPE
- PULLBOX, (TYPE TO BE CALLED OUT)
- DIPOLE INDUCTANCE LOOP (SIZE TO BE CALLED OUT)
- QUADRUPOLE INDUCTANCE LOOP (SIZE TO BE CALLED OUT)
- VIRTUAL DETECTION ZONE (RADAR, VIDEO, ETC.)
- CONDUIT, ALL TYPE
- RAILROAD CONTROLLER
- SIGN POST
- RADAR DETECTION DEVICE
- MAGNETOMETER DETECTION DEVICE
- VIDEO DETECTION DEVICE

## PROPOSED

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION FACE W/BACKPLATE
- 4 SECTION FACE W/BACKPLATE
- 4/5 SECTION (CLUSTER/T-SHAPE) FACE W/BACKPLATE
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL FACE
- CURB CUT RAMP, (TYPE TO BE CALLED OUT)
- PULLBOX, (TYPE TO BE CALLED OUT)
- DIPOLE INDUCTANCE LOOP (SIZE TO BE CALLED OUT)
- QUADRUPOLE INDUCTANCE LOOP (SIZE TO BE CALLED OUT)
- VIRTUAL DETECTION ZONE (RADAR, VIDEO, ETC.)
- CONDUIT, (TYPE TO BE CALLED OUT)
- CONDUIT, DIRECTIONAL BORE
- RAILROAD CONTROLLER CABINET
- SIGN POST
- RADAR DETECTION DEVICE
- MAGNETOMETER DETECTION DEVICE
- VIDEO DETECTION DEVICE

## RELOCATED

- 3 SECTION FACE W/BACKPLATE
- 4 SECTION FACE W/BACKPLATE
- 4/5 SECTION (CLUSTER/T-SHAPE) FACE W/BACKPLATE
- PEDESTAL POLE
- PED SIGNAL FACE

## AGENCY SPECIFIC

- PROPERTY LINE
- EXIST. R/W — EXISTING R/W LINE
- REQ'D R/W — REQUIRED R/W LINE
- CONSTRUCTION CUT LIMIT
- CONSTRUCTION FILL LIMIT
- EASEMENT FOR CONTRUCTION & MAINTENANCE OF SLOPES
- EASEMENT FOR CONSTR OF SLOPES
- EASEMENT FOR CONSTR OF DRIVES
- BLA — BEGIN LIMIT OF ACCESS
- ELA — END LIMIT OF ACCESS
- REQ'D LIMIT OF ACCESS
- REQ'D LIMIT OF ACCESS & R/W
- ORANGE BARRIER FENCE
- ESA - ENV. SENTITIVE AREA (SEE ERIT TABLE)

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US 78 AT MOUNTAIN IND. BLVD
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EXISTING SIGNAL CABINET

MOUNTAIN INDUSTRIAL BLVD/SR 8
SPEED LIMIT - 45 MPH

SARR PKWY

US 78 EXIT RAMP EB

US 78 ON RAMP EB

US 78

EXIST R/W

TC LOOP(B)

## SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- EXISTING SIGNAL HEAD
- PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

## DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- EXISTING RADAR
- PROPOSED RADAR

ATLAS
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770.263.5945

SCALE IN FEET
0 30 60 120

REVISION DATES

# SIGNAL PLANS
# US 78 AT MOUNTAIN IND. BLVD
# CITY OF TUCKER

| | | | | |
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| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 27-0002 |
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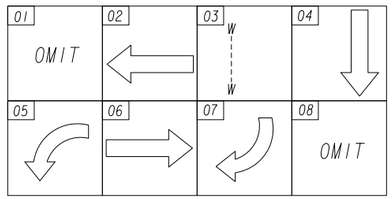
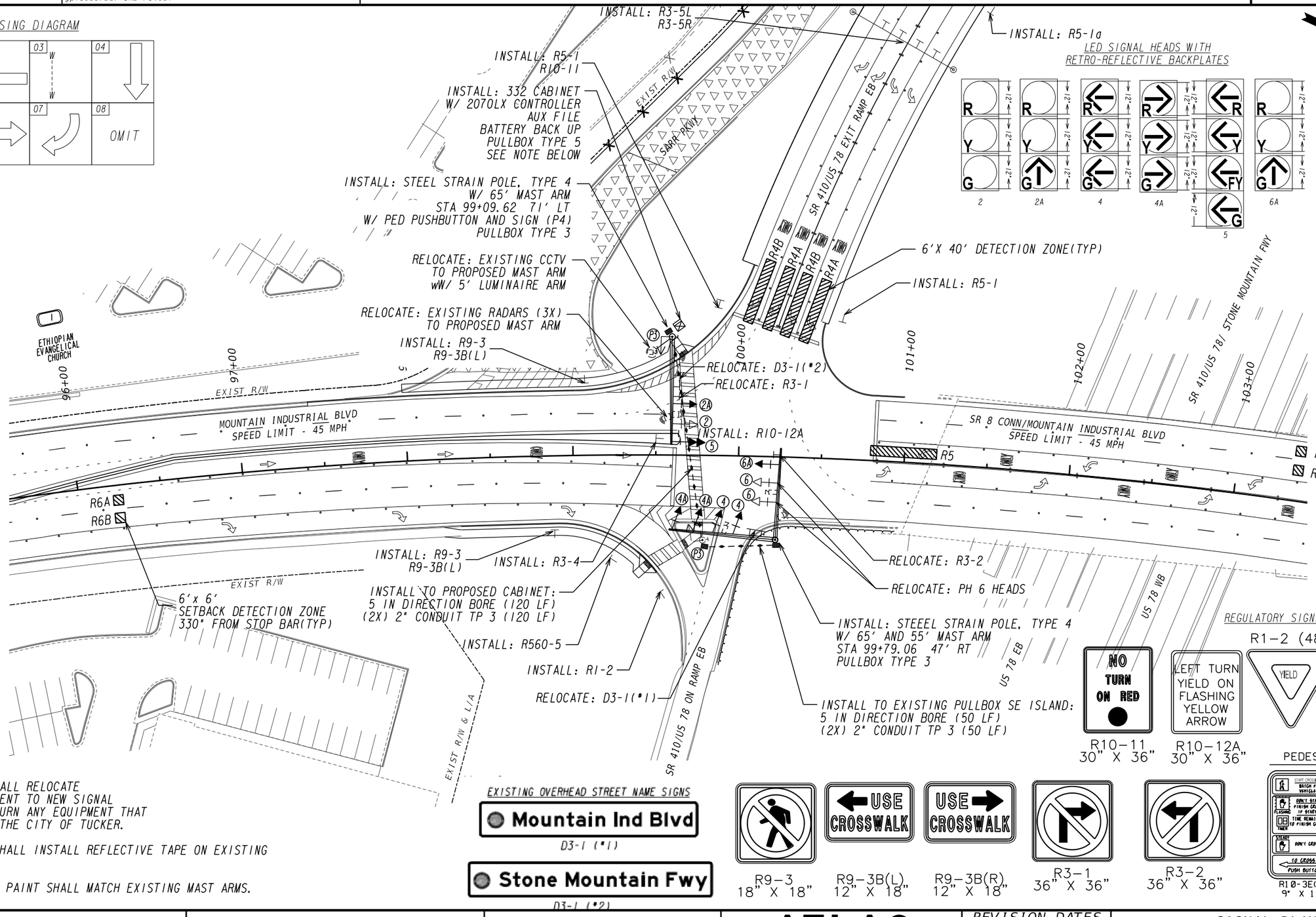
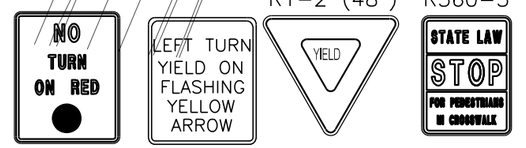
11/05/2020

## PHASING DIAGRAM



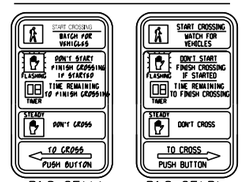




## REGULATORY SIGNS




R10-11 30" X 36"
R10-12A 30" X 36"

## PEDESTRIAN SIGNS




R10-3E(L) 9" X 15"
R10-3E(R) 9" X 15"

## EXISTING OVERHEAD STREET NAME SIGNS







R9-3 18" X 18"
R9-3B(L) 12" X 18"
R9-3B(R) 12" X 18"
R3-1 36" X 36"
R3-2 36" X 36"

NOTES:

1. CONTACTOR SHALL RELOCATE EXISTING EQUIPMENT TO NEW SIGNAL CABINET AND RETURN ANY EQUIPMENT THAT IS NOT USED TO THE CITY OF TUCKER.

2. CONTRACTOR SHALL INSTALL REFLECTIVE TAPE ON EXISTING SIGNAL HEADS.

3. NEW MAST ARM PAINT SHALL MATCH EXISTING MAST ARMS.

### SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- EXISTING SIGNAL HEAD
- PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

### DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- EXISTING RADAR
- PROPOSED RADAR

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REVISION DATES

# SIGNAL PLANS

SR 410/US 78/STONE MOUNTAIN FWY
EB SR 8 CONN EXIT RAMP AT MTN.IND.BLVD
CITY OF TUCKER, DEKALB, COUNTY

| | | | | |
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NOTE: QUANTITIES ARE FOR INFORMATION ONLY THE CONTRACTOR SHOULD FIELD VERIFY PRIOR TO ORDERING MATERIALS

## LIST OF MATERIALS
## TRAFFIC SIGNAL INSTALLATION NO. 1
## SR 410/US 78 AT SR 8/CONN/MOUNTAIN INDUSTRIAL BLVD

| DESCRIPTION | UNIT | QUANTITY |
|---|---|---|
| CONTROLLER CABINET ASSEMBLIES | | |
| B. CONTROLLER UNIT, 2070LX | EA | 1 |
| E. CABINET ASSEMBLY, MODEL 332A | EA | 1 |
| F. SWITCHPACK (LOAD SWITCH) | EA | 8 |
| G. DC ISOLATOR | EA | 1 |
| M. AUXILIARY OUTPUT FILE | EA | 1 |
| BATTERY BACKUP SYSTEMS - INTERNAL | EA | 1 |
| 332A PREFABRICATED CONTROLLER CABINET BASE | EA | 1 |
| SIGNAL CABLE (14 AWG); 7 CONDUCTOR, PER 1000 FT | REEL | 1 |
| 3-SECTION, 12" SIGNAL HEAD LED YELLOW HOUSING W/ BLACK FRONT, PLASTIC | EA | 6 |
| 4-SECTION, 12" SIGNAL FYA HEAD LED YELLOW HOUSING W/ BLACK FRONT, PLASTIC | EA | 1 |
| BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK W/RETROREFLECTIVE STRIP | EA | 6 |
| BACK PLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL FYA HEAD, ABS PLASTIC, BLACK W/RETROREFLECTIVE STRIP | EA | 1 |
| HARDWARE FOR MAST ARM MOUNTING (3 OR 4 SECTION SIGNALS) | EA | 7 |
| 1-SECTION, 18" X 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP, BLACK 9" HIGH, NUMBERS & 12" SYMBOLS | EA | 1 |
| HARDWARE FOR SIDE OF POLE MOUNTING ONE-WAY BRACKET ASSEMBLY | EA | 1 |
| PULL BOX, PB-3 | EA | 2 |
| PULL BOX, PB-5 | EA | 1 |
| CONDUIT, 1" TP 2 | LF | 10 |
| CONDUIT, 2" TP 2 | LF | 10 |
| CONDUIT, RIGID, 1" | LF | 10 |
| CONDUIT, RIGID, 2" | LF | 10 |
| R10-12A 30" X 36" SIGN | EA | 1 |
| MISC MATERIALS NEEDED TO COMPLETE INSTALLATION | LUMP | LUMP |

| 937-4100 PEDESTRIAN DETECTION SYSTEM, NO 1 | UNIT | QUANTITY |
|---|---|---|
| PEDESTRIAN PUSHBUTTON STATION, W/BUTTON AND SIGN 9" X 15", R10-E, (L)EFT OR (R)IGHT, COUNTDOWN | EA | 1 |
| PEDESTRIAN PUSHBUTTON STATION ADAPTER (ONLY) 9" X 15", PUSH BUTTON STATION ADAPTER | EA | 1 |
| DC ISOLATOR | EA | 2 |
| LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000FT), 3 PAIR, 18 AWG | REEL | 1 |

## 332 CABINET INPUT ASSIGNMENT

| SLOT | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **UPPER INPUT FILE** | | | | | | | | | | | | | | | |
| | TYPE | DET | DET | DET | DET | DET | DET | DET | DET | DET | TBA | TBA | DC | DC | DC |
| | CARD | | RADAR | | | | RADAR | | | | | | DC ISO | | DC ISO |
| CHANNEL 1 | CI PIN | 56 | 39 | 63 | 47 | 58 | 41 | 65 | 49 | 60 | | 80 | 67 | 68 | 81 |
| | FUNCTION | | R2A | | | | R4 | R4A | | | | | Ø3 PED | | FLASH |
| | FIELD TERM | TB2 1,2 | TB2 5,6 | TB2 9,10 | TB4 1,2 | TB4 5,6 | TB4 9,10 | TB6 1,2 | TB6 5,6 | TB6 9,10 | | | TB8 4,6 | TB8 7,9 | N/C |
| CHANNEL 2 | CI PIN | 56 | 43 | 76 | 47 | 58 | 45 | 78 | 49 | 62 | | 53 | 69 | 70 | 82 |
| | FUNCTION | | R2B | | | | | R4B | | | | | | | STOP TIME |
| | FIELD TERM | TB2 3,4 | TB2 7,8 | TB2 11,12 | TB4 3,4 | TB4 7,8 | TB4 11,12 | TB6 3,4 | TB6 7,8 | TB6 11,12 | | | TB8 5,6 | TB8 8,9 | N/C |
| **LOWER INPUT FILE** | | | | | | | | | | | | | | | |
| | TYPE | DET | DET | DET | DET | DET | DET | DET | DET | DET | TBA | TBA | DC | DC | DC |
| | CARD | RADAR | RADAR | | | | RADAR | | | | | | | | |
| CHANNEL 1 | CI PIN | 55 | 40 | 64 | 48 | 57 | 42 | 66 | 50 | 59 | | 54 | 71 | 72 | 51 |
| | FUNCTION | R5 | R6A | | | | | | | | | | | | |
| | FIELD TERM | TB3 1,2 | TB3 5,6 | TB3 9,10 | TB5 1,2 | TB5 5,6 | TB5 9,10 | TB7 1,2 | TB7 5,6 | TB7 9,10 | | | TB9 4,6 | TB9 7,9 | TB9 10,12 |
| CHANNEL 2 | CI PIN | 55 | 44 | 77 | 48 | 57 | 46 | 79 | 50 | 61 | | 75 | 73 | 74 | 52 |
| | FUNCTION | | R6B | | | | | | | | | | | | |
| | FIELD TERM | TB3 3,4 | TB3 7,8 | TB3 11,12 | TB5 3,4 | TB5 7,8 | TB5 11,12 | TB7 3,4 | TB7 7,8 | TB7 11,12 | | | TB9 5,6 | TB9 8,9 | TB9 11,12 |

## PAY ITEMS FOR TRAFFIC SIGNAL INSTALLATION

| PAY ITEM | DESCRIPTION | | QUANTITY |
|---|---|---|---|
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/ 65 FT MAST ARM, POWDER COATED BLACK | EA | 1 |
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/ 65 FT AND 55 FT MAST ARM, POWDER COATED BLACK | EA | 1 |
| 647-1000 | TRAFFIC SIGNAL INSTALLATION NO. 1 | LUMP | 1 |
| 682-6233 | CONDUIT, NON-METAL, TP 3, 2 IN. | LF | 340 |
| 682-9950 | 5" DIRECTIONAL BORE | LF | 170 |

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SIGNAL PLANS
SR 410/US 78/STONE MOUNTAIN FWY
EB SR 8 CONN EXIT RAMP AT MTN.IND.BLVD
CITY OF TUCKER, DEKALB COUNTY

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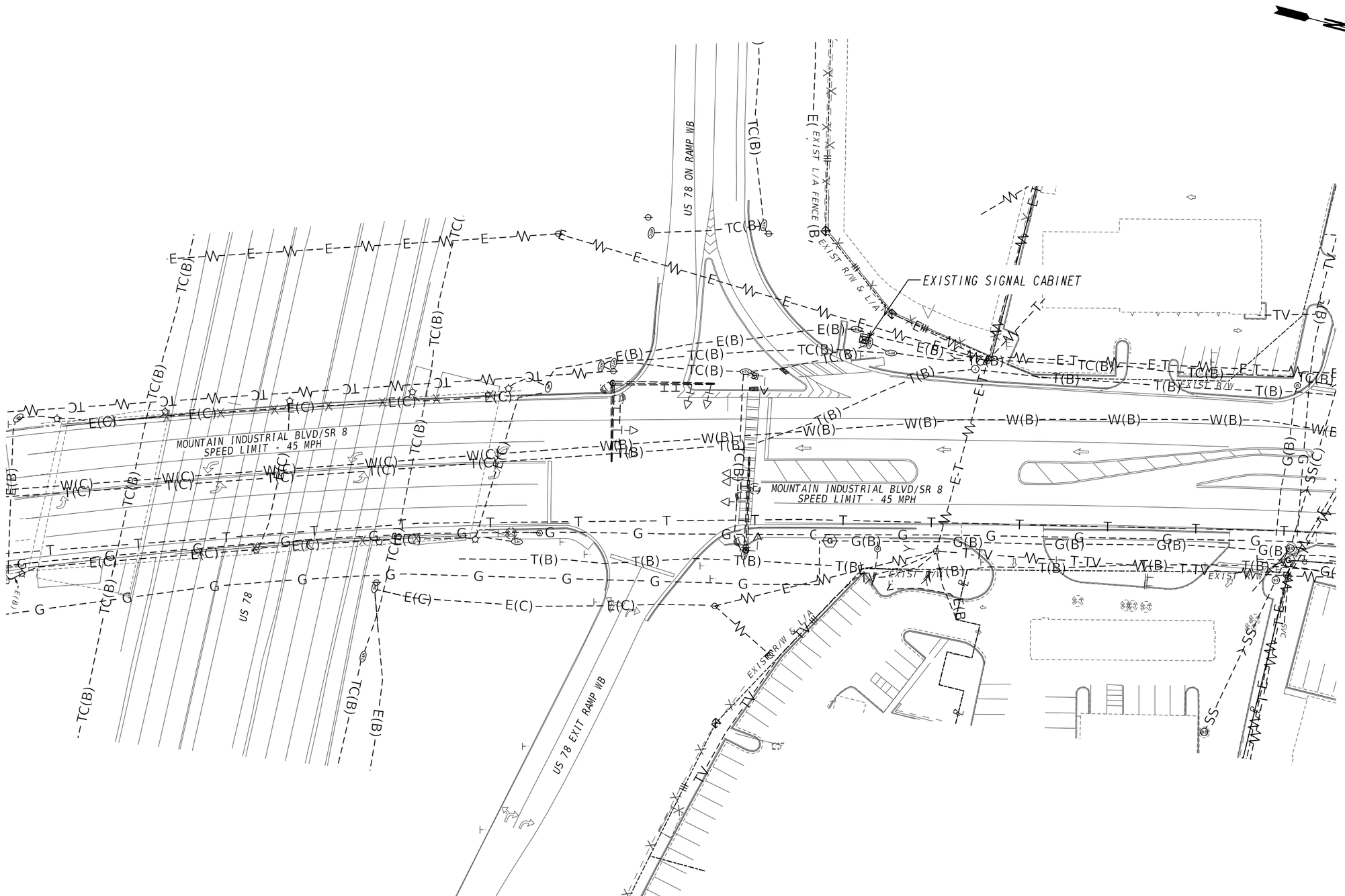


SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- EXISTING RADAR
- PROPOSED RADAR

ATLAS
2450 Commerce Avenue
Suite 100
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770.263.5945

SCALE IN FEET

0 30 60 120

REVISION DATES

# SIGNAL PLANS
## US 78 AT MOUNTAIN IND. BLVD
## CITY OF TUCKER

| | | | | |
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GPLN-CE
11/05/2020

## PHASING DIAGRAM

| | | | |
|---|---|---|---|
| Ø1 | Ø2 | Ø3 OMIT | Ø4 W / W |
| Ø5 OMIT | Ø6 W------W | Ø7 OMIT | Ø8 OMIT |

LED SIGNAL HEADS WITH RETRO-REFLECTIVE BACKPLATES

LED SIGNAL HEADS

2A, 6A | 2, 6 | 4 | 4A | 1 | P4, P6

EXIST R/W

5 IN DIRECTIONAL BORE (80 LF)
(2X) 2" CONDUIT TP 3 (80 LF)
RUN BORE AND CONDUIT INTO EXISTING PULLBOX P4 PED IN NW ISLAND

RE-LOCATE: D3-1(*1)

INSTALL STEEL STRAIN POLE, TP 4
W/ 50' AND 45' MAST ARM
STA 104+47.88 51.75' LT
PULLBOX TP 3

SR 410/US 78/STONE MOUNTAIN FWY

SR 410/US 78 ON RAMP WB

EXISTING SIGNAL CABINET
BATTERY BACK-UP
INSTALL AUX FILE

INSTALL TO EXISTING SIGNAL CABINET:
5 IN DIRECTIONAL BORE (150 LF)
(2X) 2" CONDUIT TP 3 (150 LF)

INSTALL: R9-3
R9-3B(R)

INSTALL: R560-7

EXIST R/W

SR 8 CONN/MOUNTAIN INDUSTRIAL BLVD
SPEED LIMIT - 45 MPH

RE-LOCATE: D3-1(*3)

RE-LOCATE: R3-2

INSTALL: R10-12a

RE-LOCATE: R3-1

R2C
R2B
R2A

R6A
R6B

10 FT PEDESTRIAN POLE
W/ PUSHBUTTON AND SIGN (P6)
PULLBOX TP 2

5 IN DIRECTIONAL BORE (110 LF)
(2X) 2" CONDUIT TP 3 (110 LF)

INSTALL: R5-1

10 FT PEDESTRIAN POLE
W/ PUSHBUTTON AND SIGN (P4, P6)
PULLBOX TP 2

6'X 6'
SETBACK DETECTION ZONE
330' FROM STOP BAR(TYP)

US 78

R4 R4A R4B
ONLY ONLY ONLY

SR 410/US 78 EXIT RAMP WB

INSTALL: R9-3
R9-3B(R)
INSTALL: R4-7 & R3-4

INSTALL: R6-2R

RELOCATE EXISTING RADARS (3X)
TO PROPOSED MAST ARM (PH 4, 5, 6)

RELOCATE: EXISTING CCTV
TO PROPOSED MAST ARM
W/ 5' LUMINAIRE ARM

INSTALL STEEL STRAIN POLE, TP 4
W/ 65' AND 35' MAST ARM
W/PUSHBUTTON AND SIGN(P6)
STA. 105+37.66 65' RT
PULLBOX TP 3

INSTALL: R10-11
INSTALL: R5-1

6' X 40' DETECTION ZONE(TYP)

REGULATORY SIGNS

R3-4 36" X 36"
R10-11 30" X 36"
R10-12a 30" X 36"
R560-5

PEDESTRIAN SIGNS

R9-3 18" X 18"
R9-3B(R) 12" X 18"
R3-1 36" X 36"
R3-2 36" X 36"
R10-3E(L) 9" X 15"
R10-3E(R) 9" X 15"

EXISTING OVERHEAD STREET NAME SIGNS

Mountain Ind Blvd — D3-1 (*1)

Stone Mountain Fwy — D3-1 (*2)

NOTES:

1. CONTACTOR SHALL RELOCATE EXISTING EQUIPMENT TO NEW SIGNAL CABINET AND RETURN ANY EQUIPMENT THAT IS NOT USED TO THE CITY OF TUCKER.

2. CONTRACTOR SHALL INSTALL REFLECTIVE TAPE ON EXISTING SIGNAL HEADS.

3. NEW MAST ARM PAINT SHALL MATCH EXISTING MAST ARMS.

### SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- EXISTING SIGNAL HEAD
- PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

### DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- EXISTING RADAR
- PROPOSED RADAR

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REVISION DATES

# SIGNAL PLANS

SR 410/US 78/STONE MOUNTAIN FWY
WB SR 8 CONN EXIT RAMP AT MTN.IND.BLVD

## CITY OF TUCKER, DEKALB COUNTY

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GPLN-CE
11/05/2020

NOTE: QUANTITIES ARE FOR INFORMATION ONLY THE CONTRACTOR SHOULD FIELD VERIFY PRIOR TO ORDERING MATERIALS

## LIST OF MATERIALS
## TRAFFIC SIGNAL INSTALLATION NO. 2
## SR 410/US 78 AT SR 8 CONN/MOUNTAIN INDUSTRIAL BLVD

| DESCRIPTION | UNIT | QUANTITY |
|---|---|---|
| CONTROLLER CABINET ASSEMBLIES | | |
| F. SWITCHPACK (LOAD SWITCH) | EA | 9 |
| G. DC ISOLATOR | EA | 1 |
| M. AUXILIARY OUTPUT FILE | EA | 1 |
| SIGNAL CABLE (14 AWG); 7 CONDUCTOR, PER 1000 FT | REEL | 1 |
| 3-SECTION, 12" SIGNAL HEAD LED YELLOW HOUSING W/ BLACK FRONT, PLASTIC | EA | 7 |
| 4-SECTION, 12" SIGNAL FYA HEAD LED YELLOW HOUSING W/ BLACK FRONT, PLASTIC | EA | 1 |
| BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK W/RETROREFLECTIVE STRIP | EA | 7 |
| BACK PLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL FYA HEAD, ABS PLASTIC, BLACK W/RETROREFLECTIVE STRIP | EA | 1 |
| HARDWARE FOR MAST ARM MOUNTING (3 OR 4 SECTION SIGNALS) | EA | 8 |
| 1-SECTION, 18" X 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP, BLACK 9" HIGH, NUMBERS & 12" SYMBOLS | EA | 4 |
| HARDWARE FOR TOP OF POLE MOUNTING ONE-WAY BRACKET ASSEMBLY | EA | 1 |
| HARDWARE FOR TOP OF POLE MOUNTING THREE-WAY BRACKET ASSEMBLY | EA | 1 |
| 10' PEDESTRIAN POLE AND SQUARE BASE | EA | 2 |
| PULL BOX, PB-2 | EA | 2 |
| PULL BOX, PB-3 | EA | 2 |
| CONDUIT, 2" TP 2 | LF | 20 |
| R10-12A 30" X 36" SIGN | EA | 1 |
| MISC MATERIALS NEEDED TO COMPLETE INSTALLATION | LUMP | LUMP |

| 937-4100 PEDESTRIAN DETECTION SYSTEM, NO 2 | UNIT | QUANTITY |
|---|---|---|
| PEDESTRIAN PUSHBUTTON STATION, W/BUTTON AND SIGN 9" X 15", R10-E, (L)EFT OR (R)IGHT, COUNTDOWN | EA | 4 |
| PEDESTRIAN PUSHBUTTON STATION ADAPTER (ONLY) 9" X 15", PUSH BUTTON STATION ADAPTER | EA | 4 |
| DC ISOLATOR | EA | 2 |
| LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000FT), 3 PAIR, 18 AWG | REEL | 1 |

## 332 CABINET INPUT ASSIGNMENT

| | SLOT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **UPPER INPUT FILE** | | | | | | | | | | | | | | |
| | TYPE | DET | DET | DET | DET | DET | DET | DET | DET | DET | TBA | TBA | DC | DC | DC |
| | CARD | | RADAR | | | | RADAR | | | | | | DC ISO | | DC ISO |
| CHANNEL 1 | C1 PIN | 56 | 39 | 63 | 47 | 58 | 41 | 65 | 49 | 60 | | 80 | 67 | 68 | 81 |
| | FUNCTION | R1 | R2A | R2C | | | R4 | R4A | | | | | Ø4 PED | Ø6 PED | FLASH |
| | FIELD TERM | TB2 1,2 | TB2 5,6 | TB2 9,10 | TB4 1,2 | TB4 5,6 | TB4 9,10 | TB6 1,2 | TB6 5,6 | TB6 9,10 | | | TB8 4,6 | TB8 7,9 | N/C |
| CHANNEL 2 | C1 PIN | 56 | 43 | 76 | 47 | 58 | 45 | 78 | 49 | 62 | | 53 | 69 | 70 | 82 |
| | FUNCTION | | R2B | | | | | R4B | | | | | | | STOP TIME |
| | FIELD TERM | TB2 3,4 | TB2 7,8 | TB2 11,12 | TB4 3,4 | TB4 7,8 | TB4 11,12 | TB6 3,4 | TB6 7,8 | TB6 11,12 | | | TB8 5,6 | TB8 8,9 | N/C |
| | **LOWER INPUT FILE** | | | | | | | | | | | | | | |
| | TYPE | DET | DET | DET | DET | DET | DET | DET | DET | DET | TBA | TBA | DC | DC | DC |
| | CARD | | RADAR | | | | | | | | | | | | |
| CHANNEL 1 | C1 PIN | 55 | 40 | 64 | 48 | 57 | 42 | 66 | 50 | 59 | | 54 | 71 | 72 | 51 |
| | FUNCTION | | R6A | | | | | | | | | | | | |
| | FIELD TERM | TB3 1,2 | TB3 5,6 | TB3 9,10 | TB5 1,2 | TB5 5,6 | TB5 9,10 | TB7 1,2 | TB7 5,6 | TB7 9,10 | | | TB9 4,6 | TB9 7,9 | TB9 10,12 |
| CHANNEL 2 | C1 PIN | 55 | 44 | 77 | 48 | 57 | 46 | 79 | 50 | 61 | | 75 | 73 | 74 | 52 |
| | FUNCTION | | R6B | | | | | | | | | | | | |
| | FIELD TERM | TB3 3,4 | TB3 7,8 | TB3 11,12 | TB5 3,4 | TB5 7,8 | TB5 11,12 | TB7 3,4 | TB7 7,8 | TB7 11,12 | | | TB9 5,6 | TB9 8,9 | TB9 11,12 |

### PAY ITEMS FOR TRAFFIC SIGNAL INSTALLATION

| PAY ITEM | DESCRIPTION | | QUANTITY |
|---|---|---|---|
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/45 FT AND 50' MAST ARM, POWDER COATED BLACK | EA | 1 |
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/35 AND 65 FT MAST ARM, POWDER COATED BLACK | EA | 1 |
| 647-1000 | TRAFFIC SIGNAL INSTALLATION NO. 2 | LUMP | 1 |
| 682-6233 | CONDUIT, NON-METAL, TP 3, 2 IN. | LF | 680 |
| 682-9950 | 5" DIRECTIONAL BORE | LF | 340 |

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REVISION DATES

SIGNAL PLANS
SR 410/US 78/STONE MOUNTAIN FWY
WB SR 8 CONN EXIT RAMP AT MTN.IND.BLVD
CITY OF TUCKER, DEKALB COUNTY

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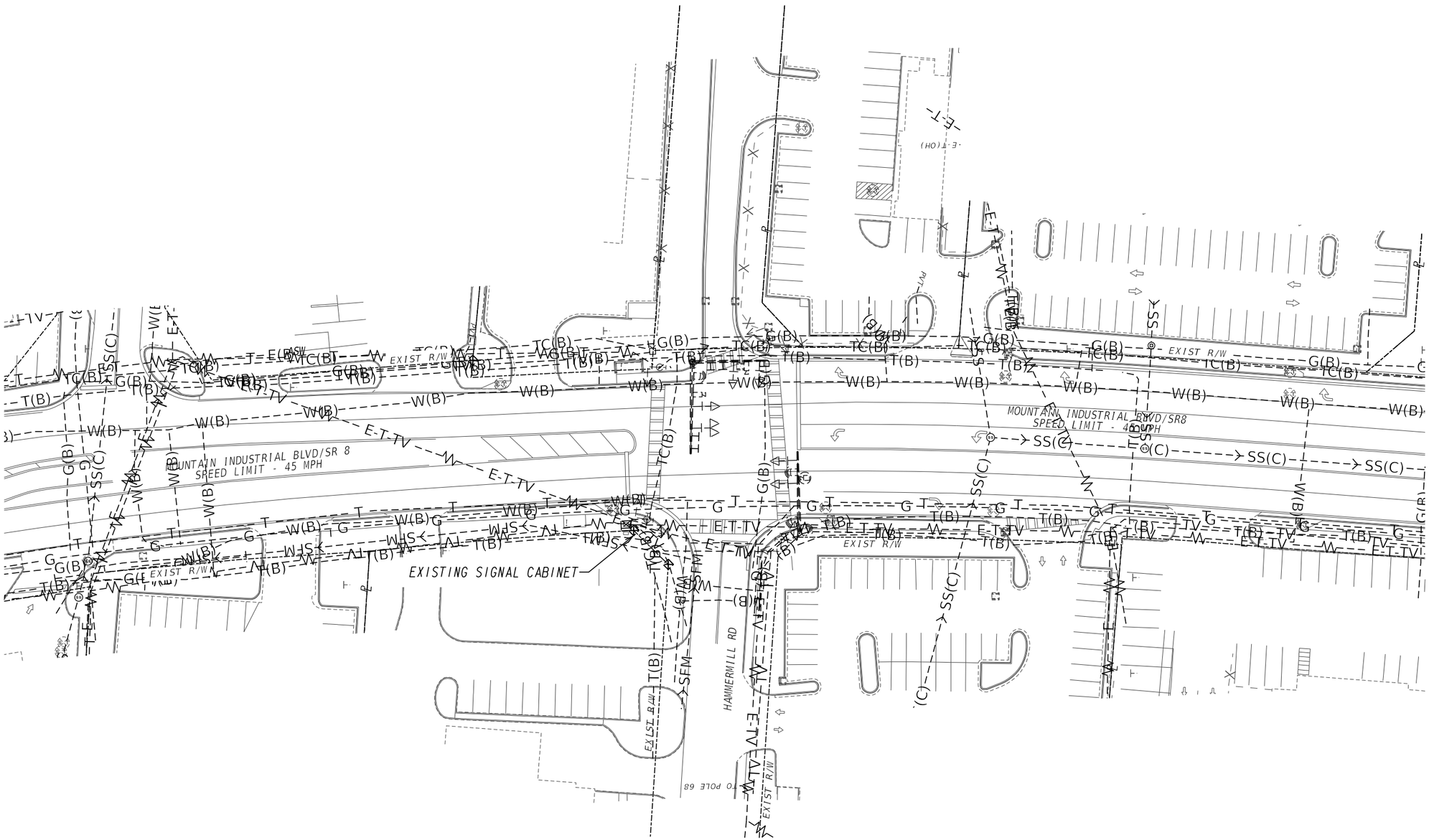


**SIGNAL LEGEND**

- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

**DETECTION LEGEND**

- PROPOSED VIRTUAL DETECTION
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- EXISTING RADAR
- PROPOSED RADAR


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SCALE IN FEET
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REVISION DATES

# SIGNAL PLANS
## MTN. IND. BLVD @ HAMMERMILL RD
## CITY OF TUCKER

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| CHECKED: | | DATE: | | DRAWING No. |
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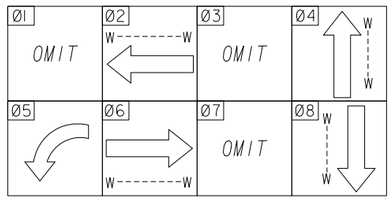
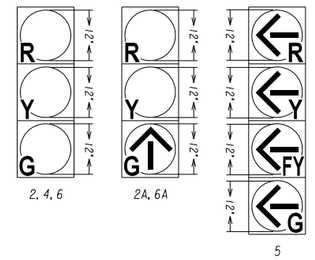
GPLN-CE
11/05/2020

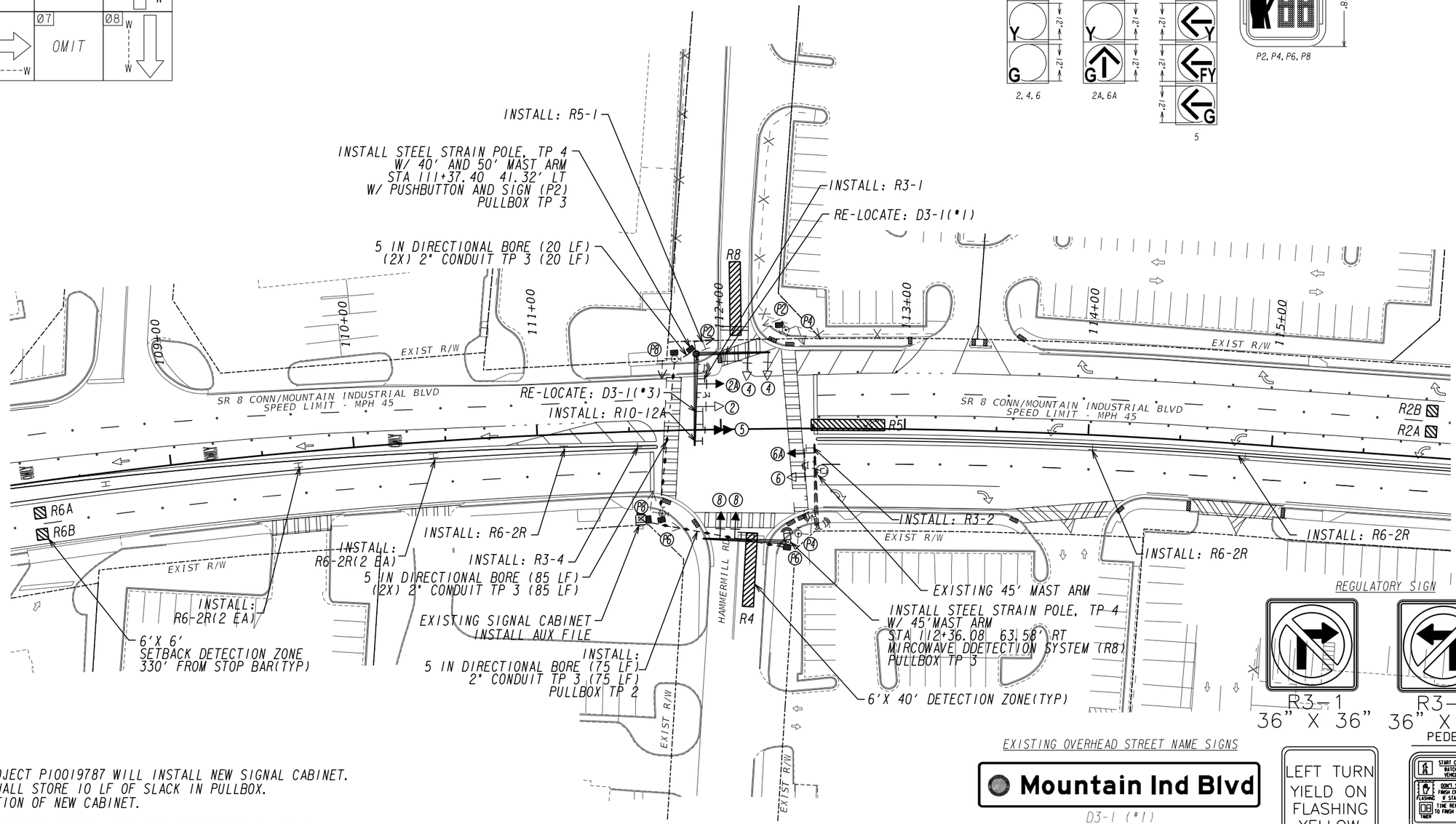
## PHASING DIAGRAM



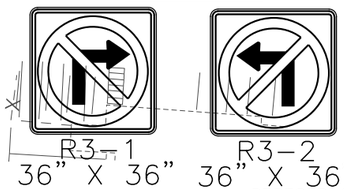

## LED SIGNAL HEADS WITH RETRO-REFLECTIVE BACKPLATES



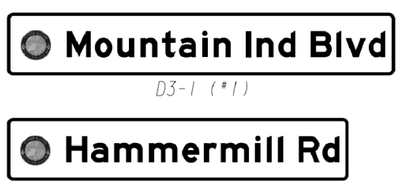

## LED SIGNAL HEADS

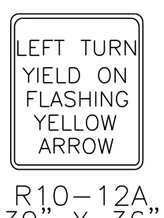



## REGULATORY SIGN

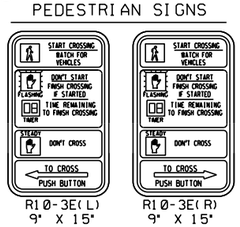



## EXISTING OVERHEAD STREET NAME SIGNS




## PEDESTRIAN SIGNS




NOTES:

1. FUTURE PROJECT P100019787 WILL INSTALL NEW SIGNAL CABINET. CONTRACTOR SHALL STORE 10 LF OF SLACK IN PULLBOX. FOR THE LOCATION OF NEW CABINET.

2. CONTRACTOR SHALL INSTALL REFLECTIVE TAPE ON EXISTING SIGNAL HEADS.

3. NEW MAST ARM PAINT SHALL MATCH EXISTING MAST ARMS.

### SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- EXISTING SIGNAL HEAD
- PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

### DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- EXISTING RADAR
- PROPOSED RADAR

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET

0 30 60 120

REVISION DATES

| | | | |
|---|---|---|---|
| | | | |

# SIGNAL PLANS
## SR 8 CONN/MOUNTAIN. IND. BLVD AT HAMMERMILL RD
## CITY OF TUCKER, DEKALB COUNTY

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 27-0009 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

NOTE: QUANTITIES ARE FOR INFORMATION ONLY THE CONTRACTOR SHOULD FIELD VERIFY PRIOR TO ORDERING MATERIALS

# LIST OF MATERIALS

## TRAFFIC SIGNAL INSTALLATION NO. 3

## SR 8 CONN/MOUNTAIN INDUSTRIAL BLVD AT HAMMERMILL RD

| DESCRIPTION | UNIT | QUANTITY |
|---|---|---|
| CONTROLLER CABINET ASSEMBLIES | | |
| F. SWITCHPACK (LOAD SWITCH) | EA | 9 |
| G. DC ISOLATOR | EA | 1 |
| M. AUXILIARY OUTPUT FILE | EA | 1 |
| SIGNAL CABLE (14 AWG); 7 CONDUCTOR, PER 1000 FT | REEL | 2 |
| 3-SECTION, 12" SIGNAL HEAD LED YELLOW HOUSING W/ BLACK FRONT, PLASTIC | EA | 4 |
| 4-SECTION, 12" SIGNAL FYA HEAD LED YELLOW HOUSING W/ BLACK FRONT, PLASTIC | EA | 1 |
| BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK W/RETROREFLECTIVE STRIP | EA | 4 |
| BACK PLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL FYA HEAD, ABS PLASTIC, BLACK W/RETROREFLECTIVE STRIP | EA | 1 |
| HARDWARE FOR MAST ARM MOUNTING (3 OR 4 SECTION SIGNALS) | EA | 5 |
| 1-SECTION, 18" X 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP, BLACK 9" HIGH, NUMBERS & 12" SYMBOLS | EA | 1 |
| HARDWARE FOR PEDESTAL POLE, SIDE OF POST MOUNTING, ONE-WAY BRACKET ASSEMBLY, BLACK | EA | 1 |
| PULL BOX, PB-2 | EA | 1 |
| PULL BOX, PB-3 | EA | 2 |
| CONDUIT, 2" TP 2 | LF | 10 |
| R3-1 36" X 36" SIGN | EA | 1 |
| R3-2 36" X 36" SIGN | EA | 1 |
| R10-12A 30" X 36" SIGN | EA | 1 |
| MISC MATERIALS NEEDED TO COMPLETE INSTALLATION | LUMP | LUMP |

| 937-4100 PEDESTRIAN DETECTION SYSTEM, NO 3 | UNIT | QUANTITY |
|---|---|---|
| PEDESTRIAN PUSHBUTTON STATION, W/BUTTON AND SIGN 9" X 15", R10-E, (L)EFT OR (R)IGHT, COUNTDOWN | EA | 1 |
| PEDESTRIAN PUSHBUTTON STATION ADAPTER (ONLY) 9" X 15", PUSH BUTTON STATION ADAPTER | EA | 1 |
| DC ISOLATOR | EA | 2 |
| LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000FT), 3 PAIR, 18 AWG | REEL | 1 |

## 332 CABINET INPUT ASSIGNMENT

| | SLOT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | UPPER INPUT FILE | | | | | | | | | | | | | |
| | TYPE | DET | DET | DET | DET | DET | DET | DET | DET | DET | TBA | TBA | DC | DC | DC |
| | CARD | | RADAR | | | | RADAR | | | | | | DC ISO | | DC ISO |
| CHANNEL 1 | C1 PIN | 56 | 39 | 63 | 47 | 58 | 41 | 65 | 49 | 60 | | 80 | 67 | 68 | 81 |
| | FUNCTION | | R2A | | | | R4 | | | | | | Ø2 PED | Ø6 PED | FLASH |
| | FIELD TERM | TB2 1,2 | TB2 5,6 | TB2 9,10 | TB4 1,2 | TB4 5,6 | TB4 9,10 | TB6 1,2 | TB6 5,6 | TB6 9,10 | | | TB8 4,6 | TB8 7,9 | N/C |
| CHANNEL 2 | C1 PIN | 56 | 43 | 76 | 47 | 58 | 45 | 78 | 49 | 62 | | 53 | 69 | 70 | 82 |
| | FUNCTION | | R2B | | | | | | | | | | Ø4 PED | Ø8 PED | STOP TIME |
| | FIELD TERM | TB2 3,4 | TB2 7,8 | TB2 11,12 | TB4 3,4 | TB4 7,8 | TB4 11,12 | TB6 3,4 | TB6 7,8 | TB6 11,12 | | | TB8 5,6 | TB8 8,9 | N/C |
| | | LOWER INPUT FILE | | | | | | | | | | | | | |
| | TYPE | DET | DET | DET | DET | DET | DET | DET | DET | DET | TBA | TBA | DC | DC | DC |
| | CARD | RADAR | RADAR | | | | RADAR | | | | | | | | |
| CHANNEL 1 | C1 PIN | 55 | 40 | 64 | 48 | 57 | 42 | 66 | 50 | 59 | | 54 | 71 | 72 | 51 |
| | FUNCTION | R5 | R6A | | | | R8 | | | | | | | | |
| | FIELD TERM | TB3 1,2 | TB3 5,6 | TB3 9,10 | TB5 1,2 | TB5 5,6 | TB5 9,10 | TB7 1,2 | TB7 5,6 | TB7 9,10 | | | TB9 4,6 | TB9 7,9 | TB9 10,12 |
| CHANNEL 2 | C1 PIN | 55 | 44 | 77 | 48 | 57 | 46 | 79 | 50 | 61 | | 75 | 73 | 74 | 52 |
| | FUNCTION | | R6B | | | | | | | | | | | | |
| | FIELD TERM | TB3 3,4 | TB3 7,8 | TB3 11,12 | TB5 3,4 | TB5 7,8 | TB5 11,12 | TB7 3,4 | TB7 7,8 | TB7 11,12 | | | TB9 5,6 | TB9 8,9 | TB9 11,12 |

### PAY ITEMS FOR TRAFFIC SIGNAL INSTALLATION

| PAY ITEM | DESCRIPTION | | QUANTITY |
|---|---|---|---|
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/45 FT MAST ARM, POWDER COATED BLACK | EA | 1 |
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/40 FT AND 50 FT MAST ARM, POWDER COATED BLACK | EA | 1 |
| 647-1000 | TRAFFIC SIGNAL INSTALLATION NO. 3 | LUMP | 1 |
| 682-6233 | CONDUIT, NON-METAL, TP 3, 2 IN. | LF | 285 |
| 682-9950 | 5" DIRECTIONAL BORE | LF | 180 |
| 937-6000 | MIRCOWAVE RADR ASSEMBLY | EA | 1 |

ATLAS
2450 Commerce Avenue
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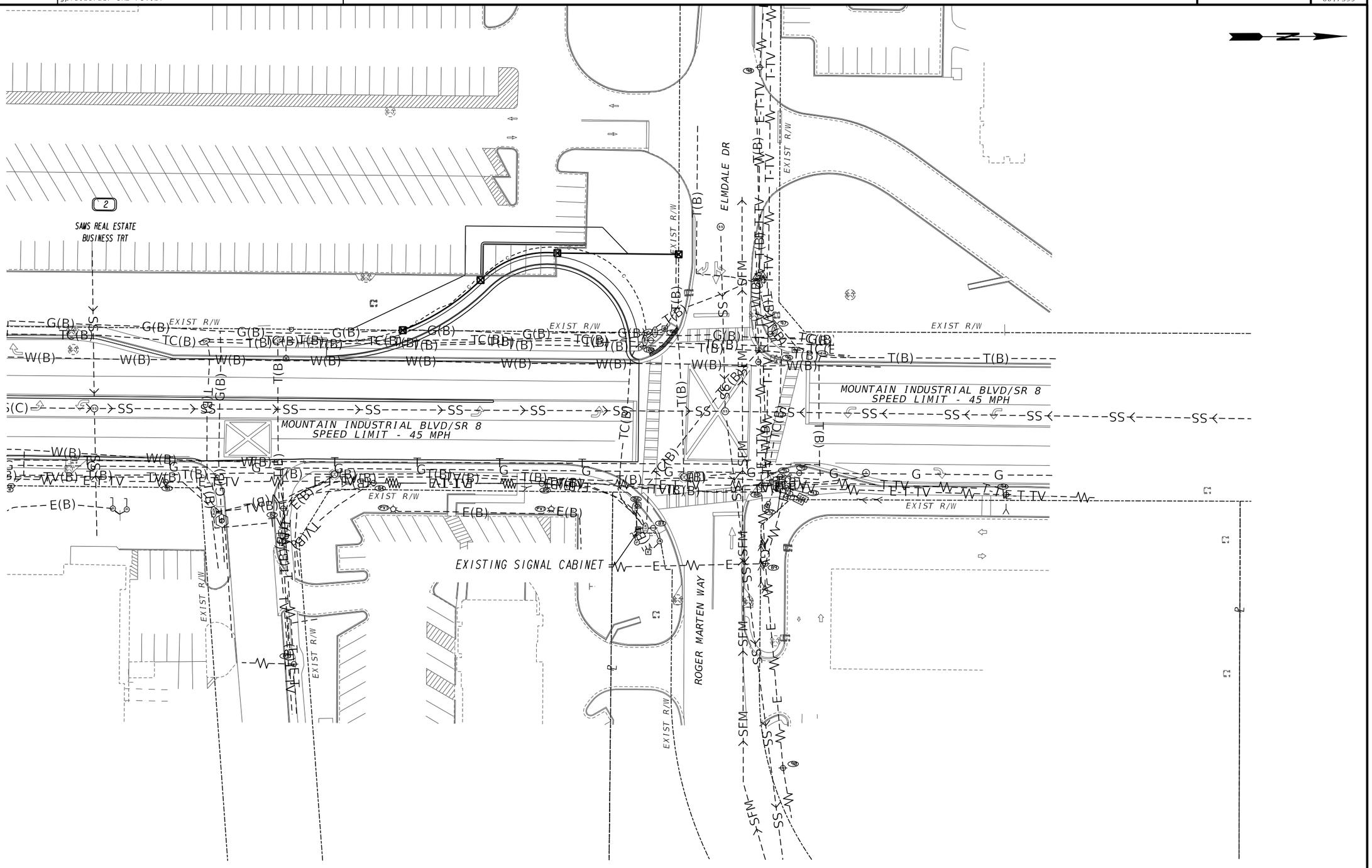
REVISION DATES

SIGNAL PLANS
SR 8 CONN/MOUNTAIN. IND. BLVD
AT HAMMERMILL RD
CITY OF TUCKER, DEKALB COUNTY

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 27-0010




SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- EXISTING SIGNAL HEAD
- PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- EXISTING RADAR
- PROPOSED RADAR

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2450 Commerce Avenue
Suite 100
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SCALE IN FEET

0 30 60 120

REVISION DATES

# SIGNAL PLANS
## MTN. IND. BLVD @ ELMDALE RD
## CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 27-0011 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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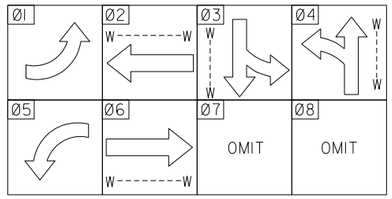
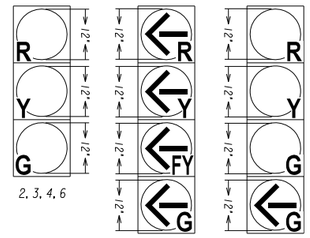
11/05/2020

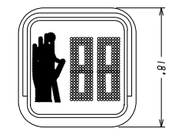
PHASING DIAGRAM

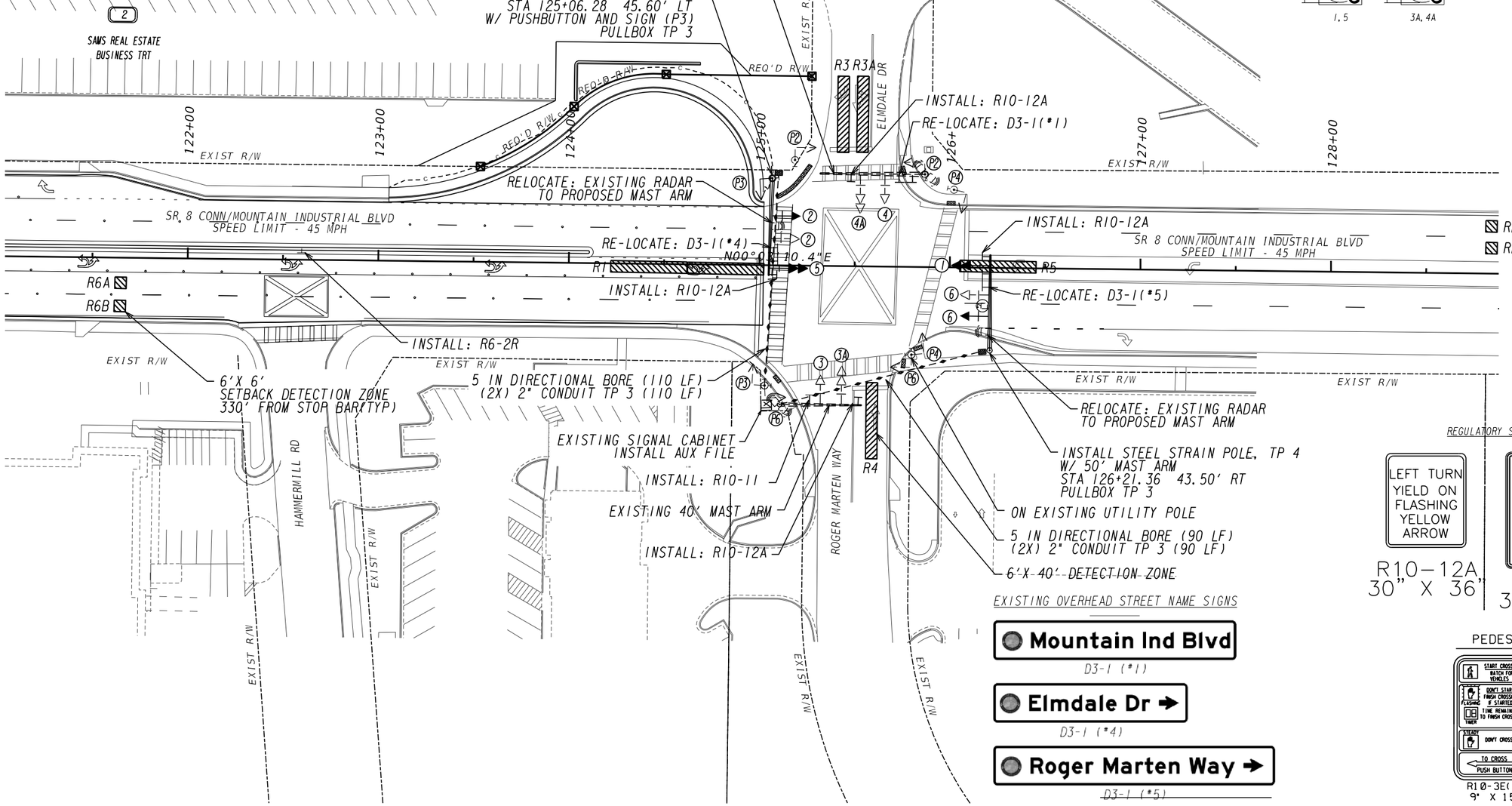



LED SIGNAL HEADS WITH RETRO-REFLECTIVE BACKPLATES

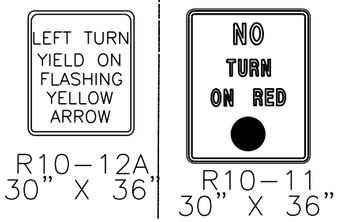



LED SIGNAL HEADS



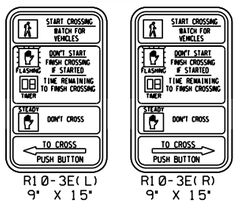

REGULATORY SIGN




EXISTING OVERHEAD STREET NAME SIGNS




PEDESTRIAN SIGNS




SIGNAL LEGEND

- PROPOSED SIGNAL HEAD
- EXISTING SIGNAL HEAD
- RELOCATED SIGNAL HEAD
- PROPOSED 4-SECTION SIGNAL HEAD
- PROPOSED 5-SECTION (CLUSTER) SIGNAL HEAD
- PEDESTRIAN SIGNAL HEAD

DETECTION LEGEND

- PROPOSED VIRTUAL DETECTION
- PROPOSED INDUCTIVE LOOP
- PROPOSED VIDEO DETECTION CAMERA
- EXISTING RADAR
- PROPOSED RADAR

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2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 30 60 120

REVISION DATES

# SIGNAL PLANS

SR 8 CONN/MOUNTAIN. IND. BLVD
AT ELMDALE DR/ROGER MARTEN WAY
CITY OF TUCKER, DEKALB COUNTY

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 27-0012 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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11/05/2020

NOTE: QUANTITIES ARE FOR INFORMATION ONLY THE CONTRACTOR SHOULD FIELD VERIFY PRIOR TO ORDERING MATERIALS

## LIST OF MATERIALS
## TRAFFIC SIGNAL INSTALLATION NO. 4
## SR 8 CONN/MOUNTAIN INDUSTRIAL BLVD AT ELMDALE DR/ROGER MARTEN WAY

| DESCRIPTION | UNIT | QUANTITY |
|---|---|---|
| CONTROLLER CABINET ASSEMBLIES | | |
| F. SWITCHPACK (LOAD SWITCH) | EA | 6 |
| G. DC ISOLATOR | EA | 1 |
| M. AUXILIARY OUTPUT FILE | EA | 1 |
| SIGNAL CABLE (14 AWG); 7 CONDUCTOR, PER 1000 FT | REEL | 1 |
| 3-SECTION, 12" SIGNAL HEAD LED YELLOW HOUSING W/ BLACK FRONT, PLASTIC | EA | 2 |
| 4-SECTION, 12" SIGNAL FYA HEAD LED YELLOW HOUSING W/ BLACK FRONT, PLASTIC | EA | 2 |
| BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, BLACK W/RETROREFLECTIVE STRIP | EA | 2 |
| BACK PLATE FOR ONE-WAY, 4-SECTION, 12" SIGNAL FYA HEAD, ABS PLASTIC, BLACK W/RETROREFLECTIVE STRIP | EA | 2 |
| HARDWARE FOR MAST ARM MOUNTING (3 OR 4 SECTION SIGNALS) | EA | 4 |
| 1-SECTION, 18" X 18" LED COUNTDOWN PEDESTRIAN SIGNAL HEAD, FULL HAND/MAN OVERLAP, BLACK 9" HIGH, NUMBERS & 12" SYMBOLS | EA | 1 |
| HARDWARE FOR SIDE OF POLE MOUNTING ONE-WAY BRACKET ASSEMBLY | EA | 1 |
| PULL BOX, PB-3 | EA | 1 |
| CONDUIT, 2" TP 2 | LF | 20 |
| R10-11A 30" X 36" SIGN | EA | 1 |
| R10-12A 30" X 36" SIGN | EA | 4 |
| MISC MATERIALS NEEDED TO COMPLETE INSTALLATION | LUMP | LUMP |

| 937-4100 PEDESTRIAN DETECTION SYSTEM, NO 4 | UNIT | QUANTITY |
|---|---|---|
| PEDESTRIAN PUSHBUTTON STATION, W/BUTTON AND SIGN 9" X 15", R10-E, (L)EFT OR (R)IGHT, COUNTDOWN | EA | 1 |
| PEDESTRIAN PUSHBUTTON STATION ADAPTER (ONLY) 9" X 15", PUSH BUTTON STATION ADAPTER | EA | 1 |
| DC ISOLATOR | EA | 2 |
| LOOP/PED LEAD-IN WIRE (SHIELDED, TWISTED/1000FT), 3 PAIR, 18 AWG | REEL | 1 |

## 332 CABINET INPUT ASSIGNMENT

| SLOT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

UPPER INPUT FILE

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TYPE | DET | DET | DET | DET | DET | DET | DET | DET | DET | TBA | TBA | DC | DC | DC |
| | CARD | RADAR | RADAR | | | RADAR | RADAR | | | | | | DC ISO | | DC ISO |
| CHANNEL 1 | C1 PIN | 56 | 39 | 63 | 47 | 58 | 41 | 65 | 49 | 60 | | 80 | 67 | 68 | 81 |
| | FUNCTION | R1 | R2A | | | R3 | R4 | | | | | | Ø2 PED | Ø3 PED | FLASH |
| | FIELD TERM | TB2 1,2 | TB2 5,6 | TB2 9,10 | TB4 1,2 | TB4 5,6 | TB4 9,10 | TB6 1,2 | TB6 5,6 | TB6 9,10 | | | TB8 4,6 | TB8 7,9 | N/C |
| CHANNEL 2 | C1 PIN | 56 | 43 | 76 | 47 | 58 | 45 | 78 | 49 | 62 | | 53 | 69 | 70 | 82 |
| | FUNCTION | | R2B | | | R3A | | | | | | | Ø4 PED | Ø6 PED | STOP TIME |
| | FIELD TERM | TB2 3,4 | TB2 7,8 | TB2 11,12 | TB4 3,4 | TB4 7,8 | TB4 11,12 | TB6 3,4 | TB6 7,8 | TB6 11,12 | | | TB8 5,6 | TB8 8,9 | N/C |

LOWER INPUT FILE

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | TYPE | DET | DET | DET | DET | DET | DET | DET | DET | DET | TBA | TBA | DC | DC | DC |
| | CARD | RADAR | RADAR | | | | | | | | | | | | |
| CHANNEL 1 | C1 PIN | 55 | 40 | 64 | 48 | 57 | 42 | 66 | 50 | 59 | | 54 | 71 | 72 | 51 |
| | FUNCTION | R5 | R6A | | | | | | | | | | | | |
| | FIELD TERM | TB3 1,2 | TB3 5,6 | TB3 9,10 | TB5 1,2 | TB5 5,6 | TB5 9,10 | TB7 1,2 | TB7 5,6 | TB7 9,10 | | | TB9 4,6 | TB9 7,9 | TB9 10,12 |
| CHANNEL 2 | C1 PIN | 55 | 44 | 77 | 48 | 57 | 46 | 79 | 50 | 61 | | 75 | 73 | 74 | 52 |
| | FUNCTION | | R6B | | | | | | | | | | | | |
| | FIELD TERM | TB3 3,4 | TB3 7,8 | TB3 11,12 | TB5 3,4 | TB5 7,8 | TB5 11,12 | TB7 3,4 | TB7 7,8 | TB7 11,12 | | | TB9 5,6 | TB9 8,9 | TB9 11,12 |

## PAY ITEMS FOR TRAFFIC SIGNAL INSTALLATION

| PAY ITEM | DESCRIPTION | | QUANTITY |
|---|---|---|---|
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/50 FT MAST ARM, POWDER COATED BLACK | EA | 1 |
| 639-3004 | STEEL STRAIN POLE, TYPE IV W/50 FT MAST ARM, POWDER COATED BLACK | EA | 1 |
| 647-1000 | TRAFFIC SIGNAL INSTALLATION NO. 4 | LUMP | 1 |
| 682-6233 | CONDUIT, NON-METAL, TP 3, 2 IN. | LF | 400 |
| 682-9950 | 5" DIRECTIONAL BORE | LF | 200 |

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2450 Commerce Avenue
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REVISION DATES

SIGNAL PLANS
SR 8 CONN/MOUNTAIN. IND. BLVD
AT ELMDALE DR/ROGER MARTEN WAY
CITY OF TUCKER, DEKALB COUNTY

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 27-0013 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

# ATMS LEGEND

EXISTING PULL BOX

EXISTING CCTV CAMERA

EXISTING STRAIN POLE

EXISTING CABINET

EXISTING ELECTRICAL COMMUNICATION BOX

EXISTING GUARDRAIL

EXISTING CATCH BASIN

EXISTING DROP INLET

EXISTING CONDUIT

PROPOSED PULL BOX

PROPOSED CCTV CAMERA

PROPOSED STRAIN POLE

PROPOSED GROUND-MOUNTED CABINET

PROPOSED POLE-MOUNTED CABINET

PROPOSED ELECTRICAL COMMUNICATION BOX

PROPOSED GUARDRAIL

PROPOSED POWER SERVICE POINT LOCATION

PROPOSED CONDUIT-TRENCH

PROPOSED CONDUIT-DIRECTIONAL BORE

PROPOSED AERIAL CAT-6 CABLE

PROPOSED CONNECTED VEHICLE ROADSIDE UNIT

PROPOSED RADAR

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

REVISION DATES

ITS PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 28-0000 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

INSTALL:
5 IN DIRECTIONAL BORE (125 LF)
CONDUIT, NM, TP 3, 2 IN, 2 @ 125 LF (250 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 72 FIBER (125 LF)

END FENCE
STA: 519+96.66

INSTALL:
PULLBOX, TP 4S
F/O CLOSURE, UNDERGROUND, 72 FIBER (1EA)
F/O SPLICE FUSION (6 ACTUAL SPLICES) (1EA)
OSP F/O CABLE, LOOSE TUBE, SM, 12 FIBER (55 LF)

INSTALL IN PULLBOX:
OSP F/O CABLE, DROP, SM, 12 FIBER (10 LF)

CONTRACTOR SHALL RELOCATE EXISTING
COMMUNICATION EQUIPMENT FROM
EXISTING CABINET TO PROPOSED CABINET

INSTALL:
3 IN DIRECTIONAL BORE (350 LF)
CONDUIT, NM, TP 3, 2 IN, (350 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 72 FIBER (350 LF)

INSTALL:
PULLBOX, TP 7
F/O CLOSURE, UNDERGROUND, 72 FIBER
F/O SPLICE FUSION (72 ACTUAL SPLICES) (1EA)
OSP F/O CABLE, LOOSE TUBE, SM, 72 FIBER (110 LF)

MATCH LINE STA. 219+00.00 DRAWING No. 28-0006

MATCH LINE STA. 101+50.00 DRAWING No. 28-0002

MOUNTAIN INDUSTRIAL BLVD

ONLY

US 78 EB EXIT RAMP

US 78 EB ENTRANCE RAMP

INSTALL IN EXISTING PULLBOX:
IN EXISTING UNDERGROUND SPLICE CLOSURE RE-SPLICE
EXISTING 24, SM FIBER TO NEW 72,
SM FIBER TO EXIST 72 SM FIBER
F/O SPLICE, FUSION (24 ACTUAL SPLICES) (1 EA)
OSP F/O CABLES, LOOSE TUBE, SM, 72 FIBER (110 LF)

EXISTING FIBER
PROPOSED FIBER CONDUIT
EXISTING AERIAL FIBER
PROPOSED FIBER TRENCH

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2450 Commerce Avenue
Suite 100
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770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

ITS PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 28-0001 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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11/05/2020

| 8/1/2025 10:55:46 AM | GPLOT-ORD | 0017399_28.dgn | | P.I. No. |
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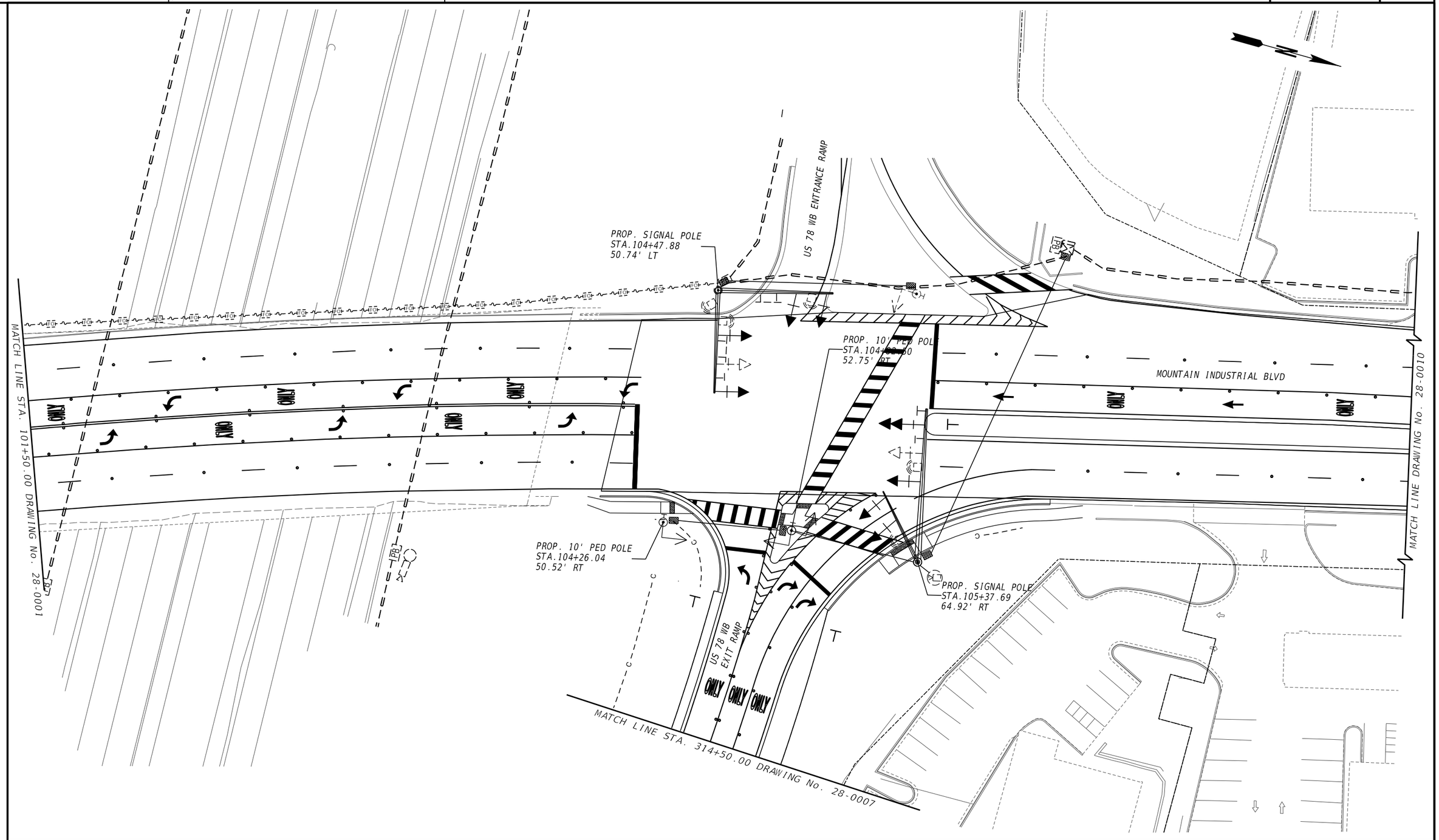


EXISTING FIBER
PROPOSED FIBER CONDUIT
EXISTING AERIAL FIBER
PROPOSED FIBER TRENCH

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

ITS PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

| CHECKED: | | DATE: | | DRAWING No. |
|---|---|---|---|---|
| BACKCHECKED: | | DATE: | | 28-0002 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

IS 1A-25' STREAM BUFFER

PS 1-25' STREAM BUFFER

N

US 78 WB

US 78 EB

INSTALL:
CONDUIT, NM, TP 3, 2 IN, 4 @ 440 LF (1760 LF)
OSP F/O CABLE, LOOSE TUBE, SM 24 FIBER (440 LF)
OSP F/O CABLE, LOOSE TUBE, SM 144 FIBER (440 LF)

EXIST. GR

PB

INSTALL IN EXISTING PULLBOX:
F/O CLOSURE, UNDERGROUND, 24 FIBER (1 EA)
F/O CLOSURE, UNDERGROUND, 144 FIBER (1 EA)
F/O SPLICE, FUSION, (168 EA)
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER (110 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 144 FIBER (110 LF)

25' STREAM BUFFER

25' STREAM BUFFER

MATCH LINE STA. 202+00.00 DRAWING No. 28-0004

EXISTING FIBER
PROPOSED FIBER CONDUIT
EXISTING AERIAL FIBER
PROPOSED FIBER TRENCH

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Suite 100
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770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

ITS PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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| CHECKED: | | DATE: | |
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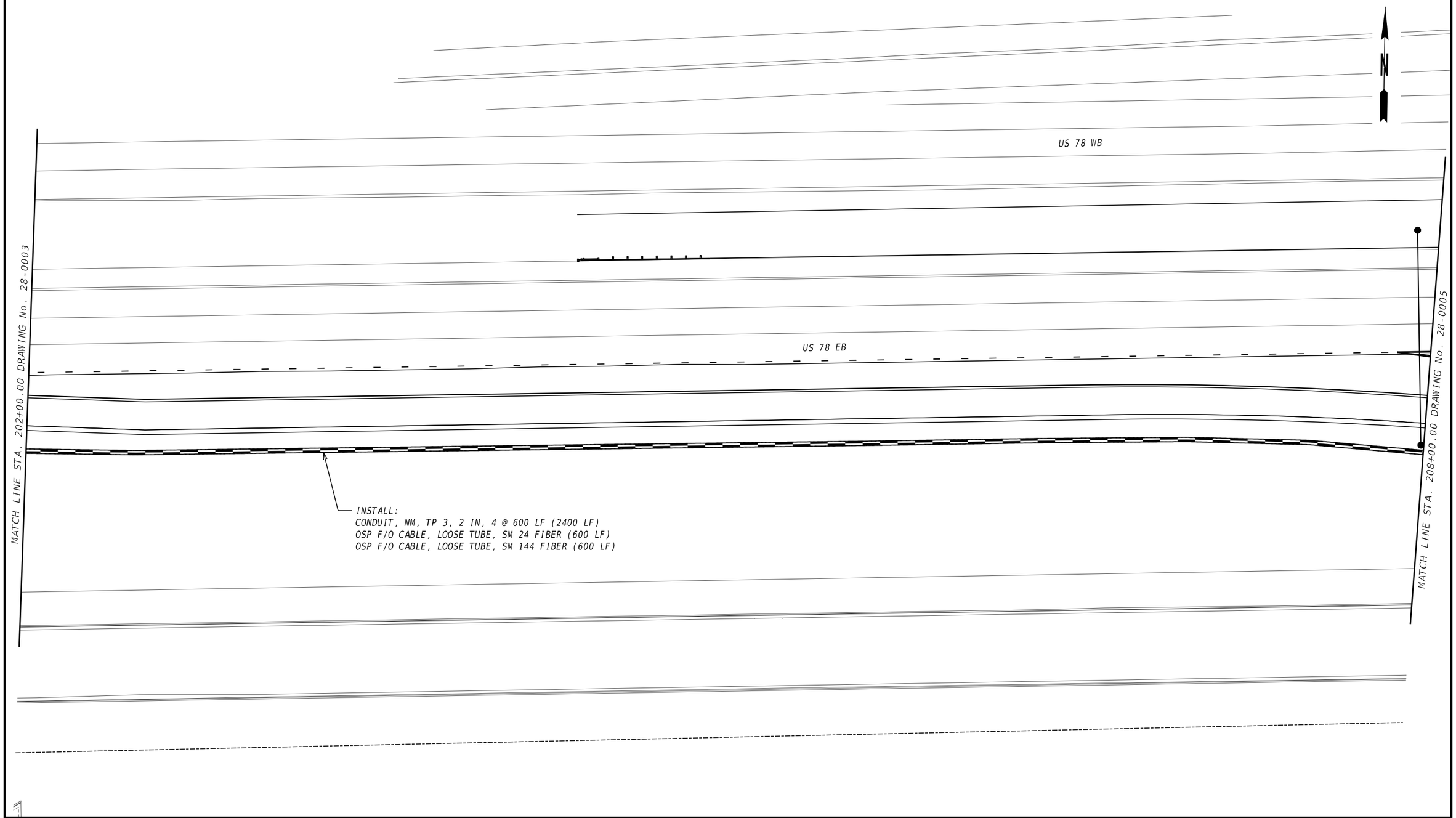
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No.
28-0003

GPLN-CE
11/05/2020




EXISTING FIBER
PROPOSED FIBER CONDUIT
EXISTING AERIAL FIBER
PROPOSED FIBER TRENCH

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Suite 100
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SCALE IN FEET
0 20 40 80

REVISION DATES

ITS PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | |
| CORRECTED: | | DATE: | | 28-0004 |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

US 78 WB

EXIST. GR

US 78 EB

INSTALL IN EXISTING PULLBOX:
F/O CLOSURE, UNDERGROUND, 24 FIBER (1 EA)
F/O CLOSURE, UNDERGROUND, 144 FIBER (1 EA)
F/O SPLICE, FUSION, (168 EA)
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER (110 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 144 FIBER (110 LF)

INSTALL:
7 IN DIRECTIONAL BORE (340 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER (340 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 144 FIBER (340 LF)
CONDUIT, NM, TP 3, 2 IN, 4 @ 340 LF (1360 LF)

INSTALL:
CONDUIT, NM, TP 3, 2 IN, 4 @ 155 LF (620 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER (155 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 144 FIBER (155 LF)

PB

US 78 EB EXIT RAMP

MATCH LINE STA. 208+00.00 DRAWING No. 28-0004

INSTALL:
PULLBOX TP 7
OSP F/O CABLE, LOOSE TUBE, SM, 24 FIBER (110 LF)
OSP F/O CABLE, LOOSE TUBE, SM, 144 FIBER (110 LF)

MATCH LINE STA. 214+00.00 DRAWING No. 26-0006

ETHIOPIAN EVANGELICAL CHURCH

EXISTING FIBER
PROPOSED FIBER CONDUIT
EXISTING AERIAL FIBER
PROPOSED FIBER TRENCH

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Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

ITS PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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11/05/2020

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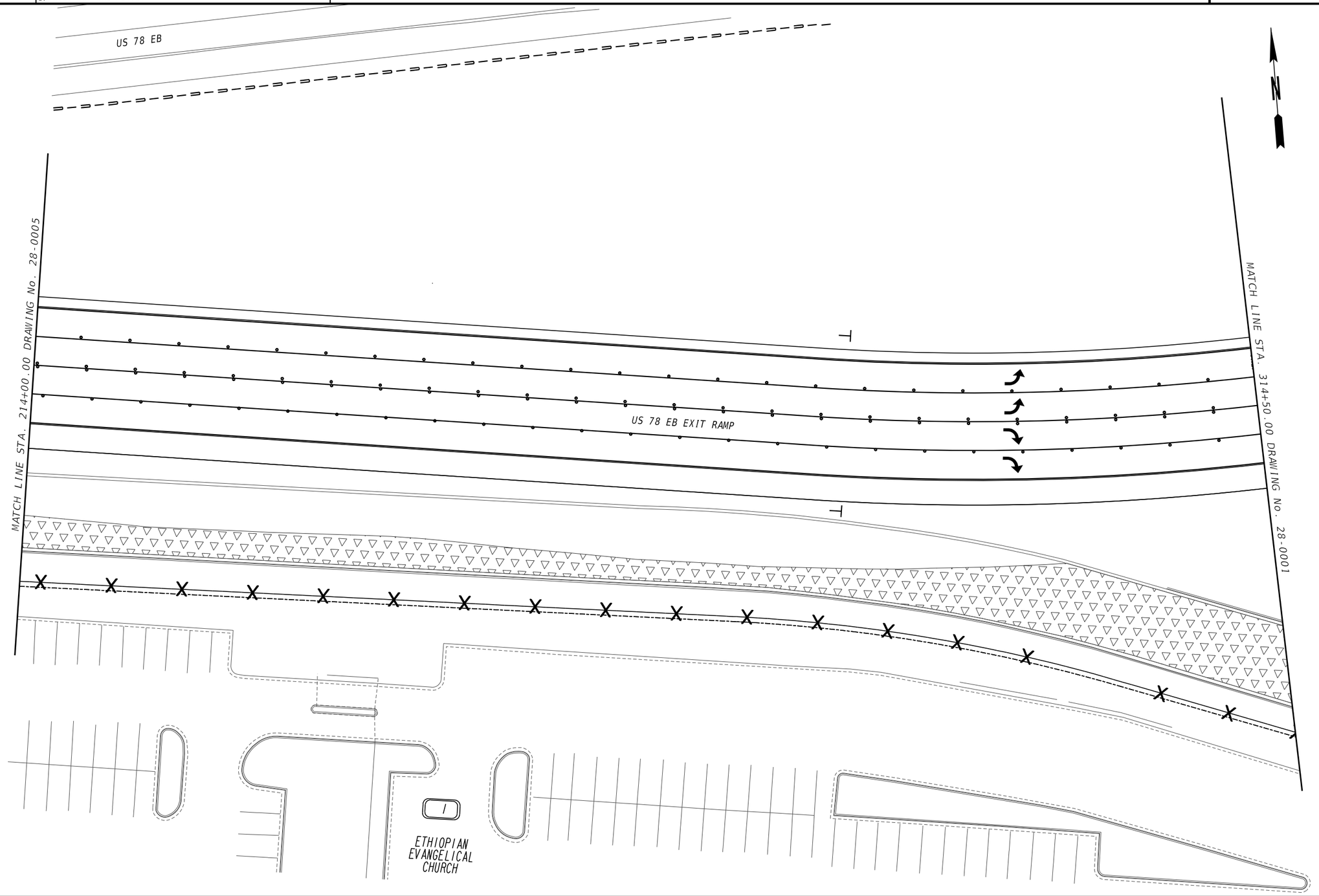


EXISTING FIBER

PROPOSED FIBER CONDUIT

EXISTING AERIAL FIBER

PROPOSED FIBER TRENCH

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2450 Commerce Avenue
Suite 100
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SCALE IN FEET

0 20 40 80

REVISION DATES

ITS PLANS

US 78 AT MOUNTAIN IND. BLVD

CITY OF TUCKER

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11/05/2020

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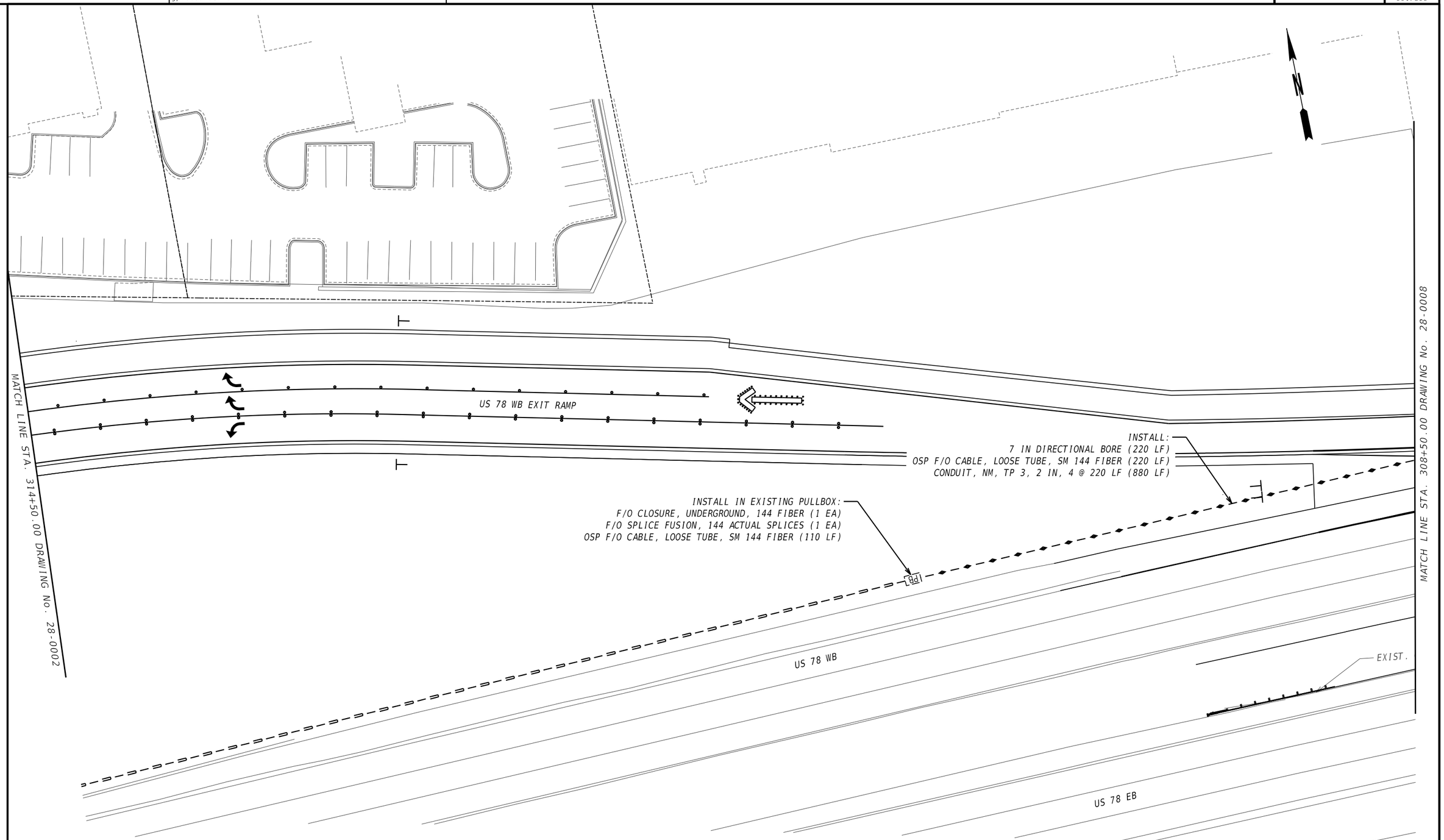


EXISTING FIBER
PROPOSED FIBER CONDUIT
EXISTING AERIAL FIBER
PROPOSED FIBER TRENCH


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SCALE IN FEET
0 20 40 80

REVISION DATES

ITS PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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| VERIFIED: | | DATE: | | |

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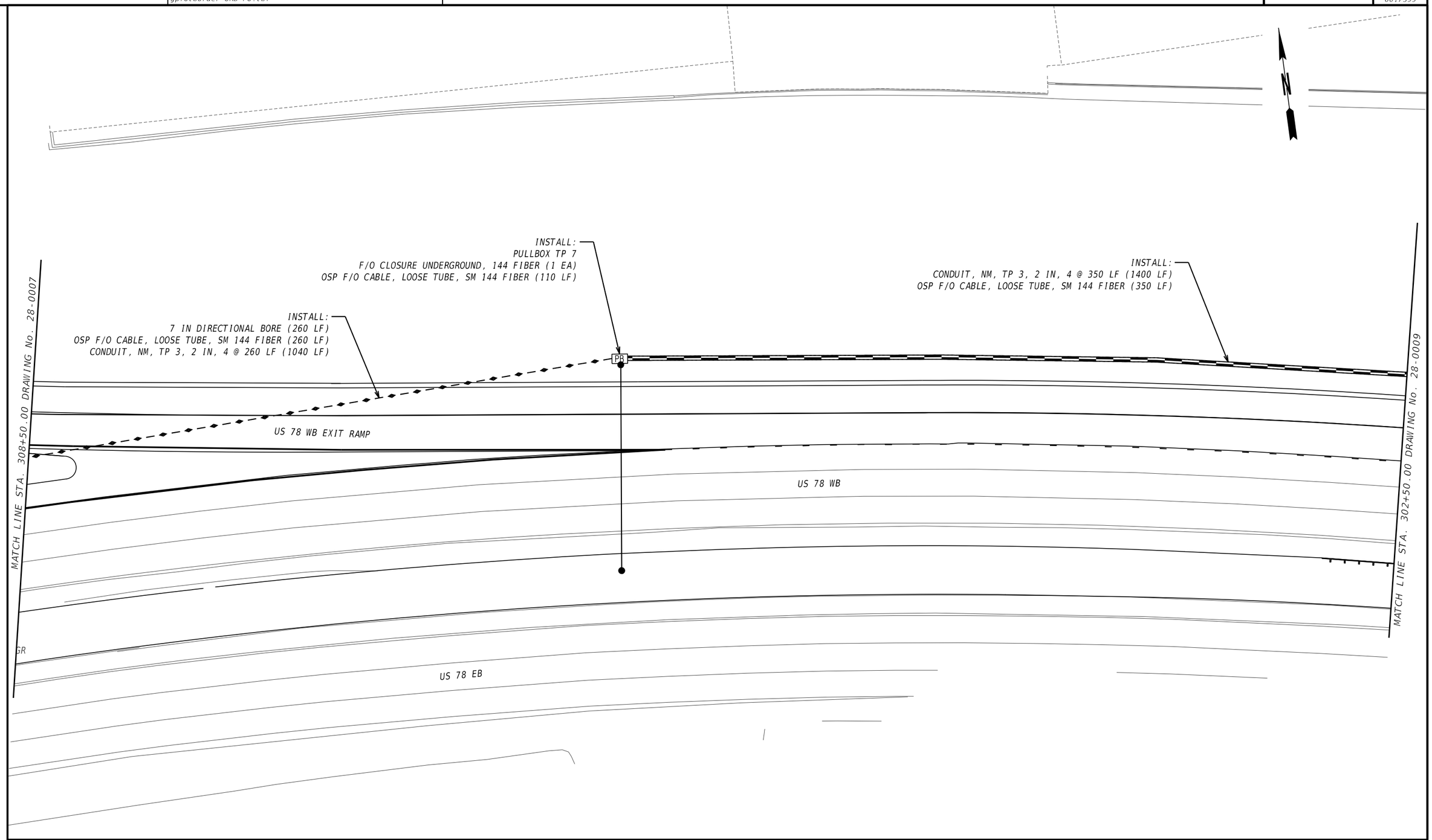


EXISTING FIBER
PROPOSED FIBER CONDUIT
EXISTING AERIAL FIBER
PROPOSED FIBER TRENCH

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2450 Commerce Avenue
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SCALE IN FEET
0 20 40 80

REVISION DATES

ITS PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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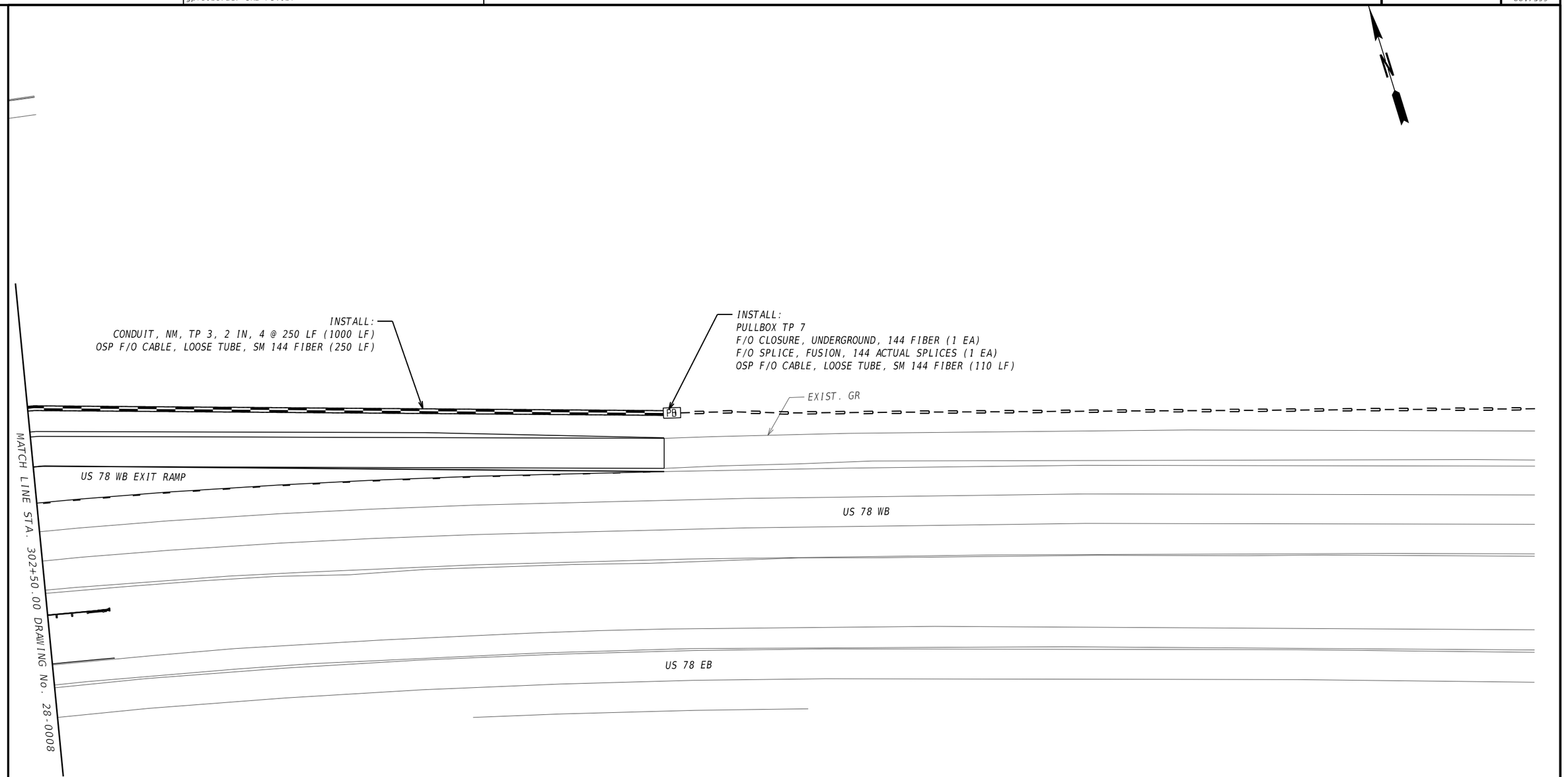
11/05/2020




EXISTING FIBER
PROPOSED FIBER CONDUIT
EXISTING AERIAL FIBER
PROPOSED FIBER TRENCH

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SCALE IN FEET
0 20 40 80

REVISION DATES

ITS PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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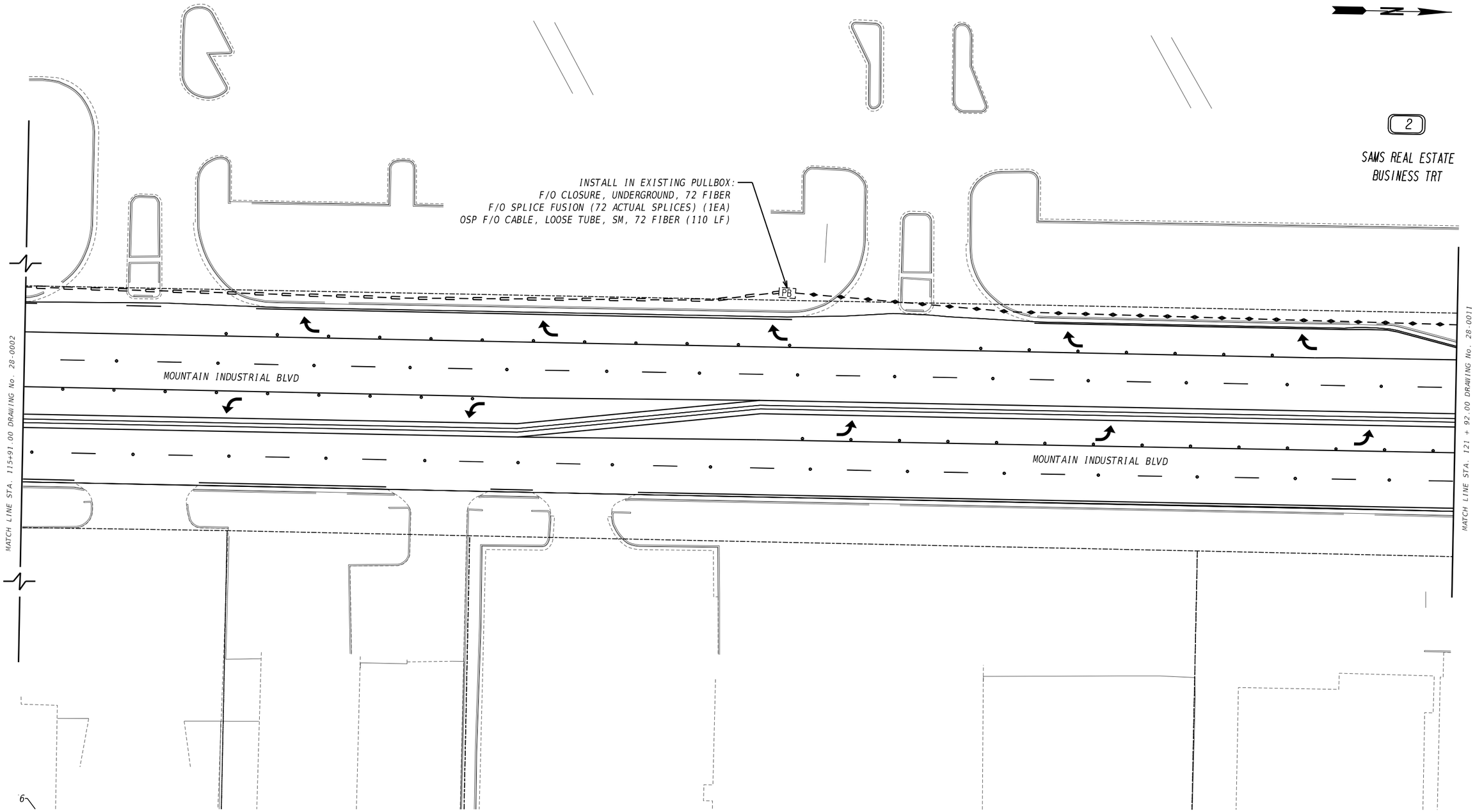
11/05/2020




EXISTING FIBER
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PROPOSED FIBER TRENCH

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SCALE IN FEET
0 20 40 80

REVISION DATES

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CITY OF TUCKER

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| CHECKED: | | DATE: | | DRAWING No. |
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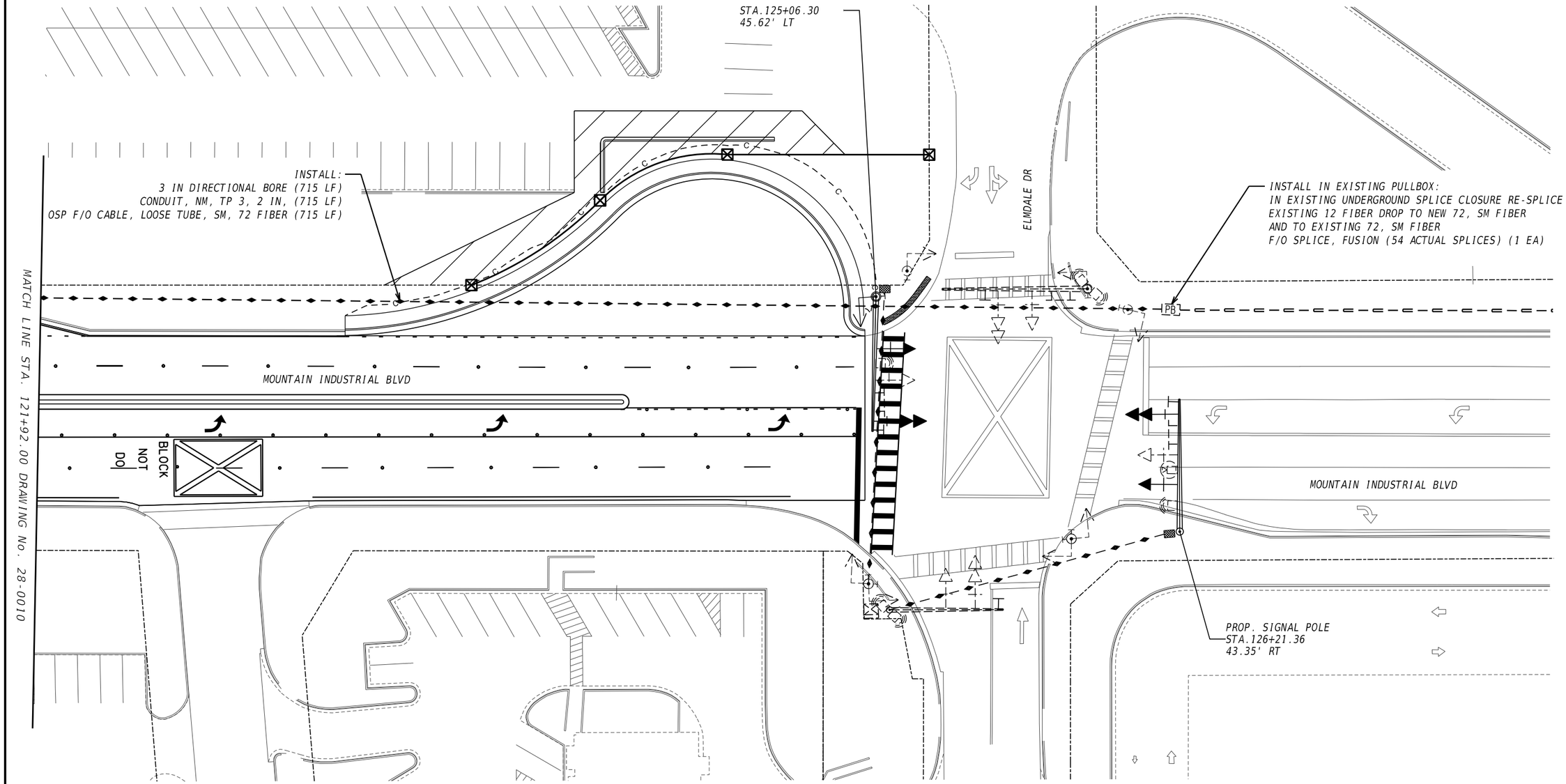
11/05/2020




EXISTING FIBER
PROPOSED FIBER CONDUIT
EXISTING AERIAL FIBER
PROPOSED FIBER TRENCH

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SCALE IN FEET
0 20 40 80

REVISION DATES

ITS PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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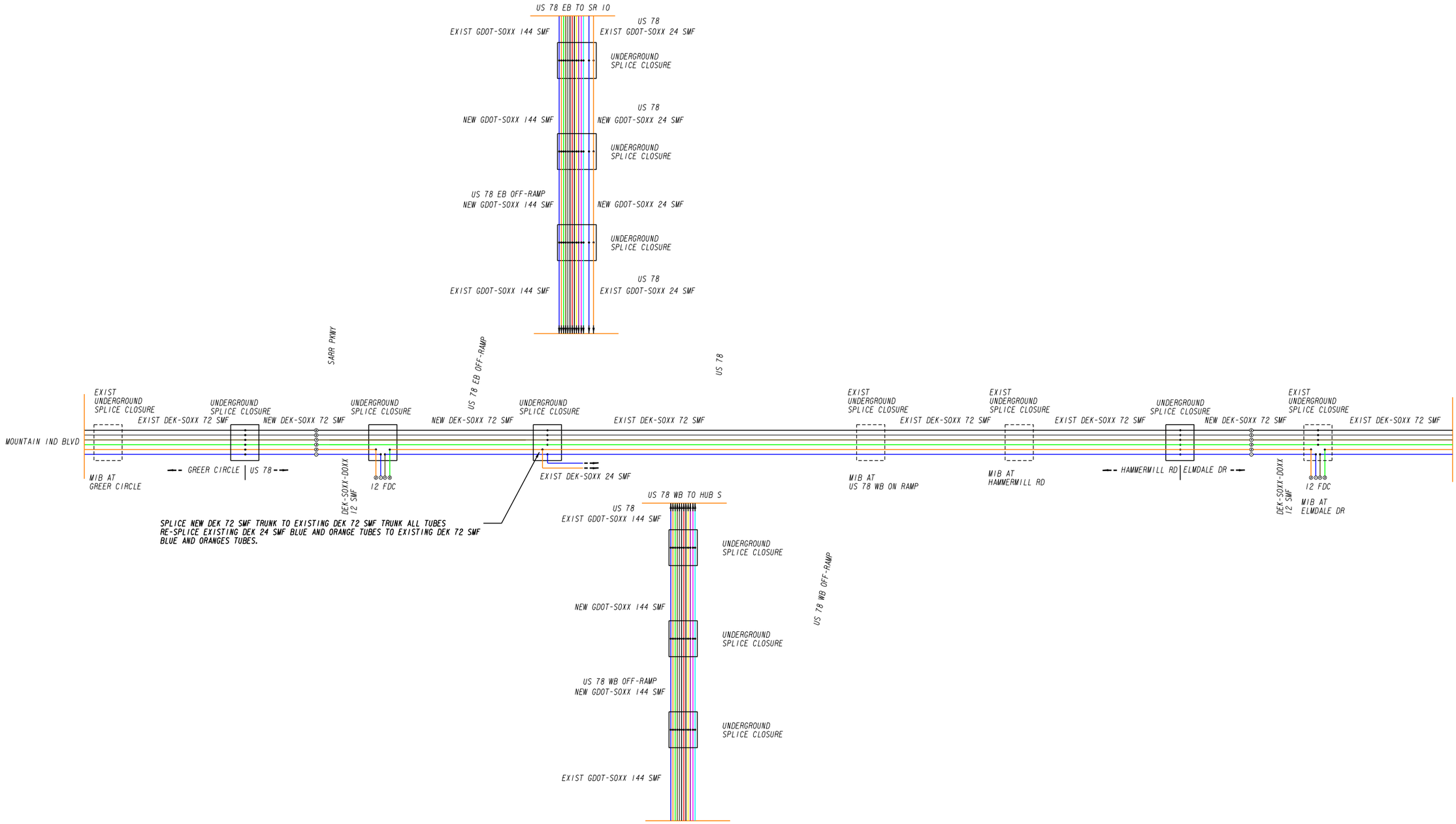
11/05/2020

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SCALE IN FEET
0 20 40 80

REVISION DATES

ITS PLANS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

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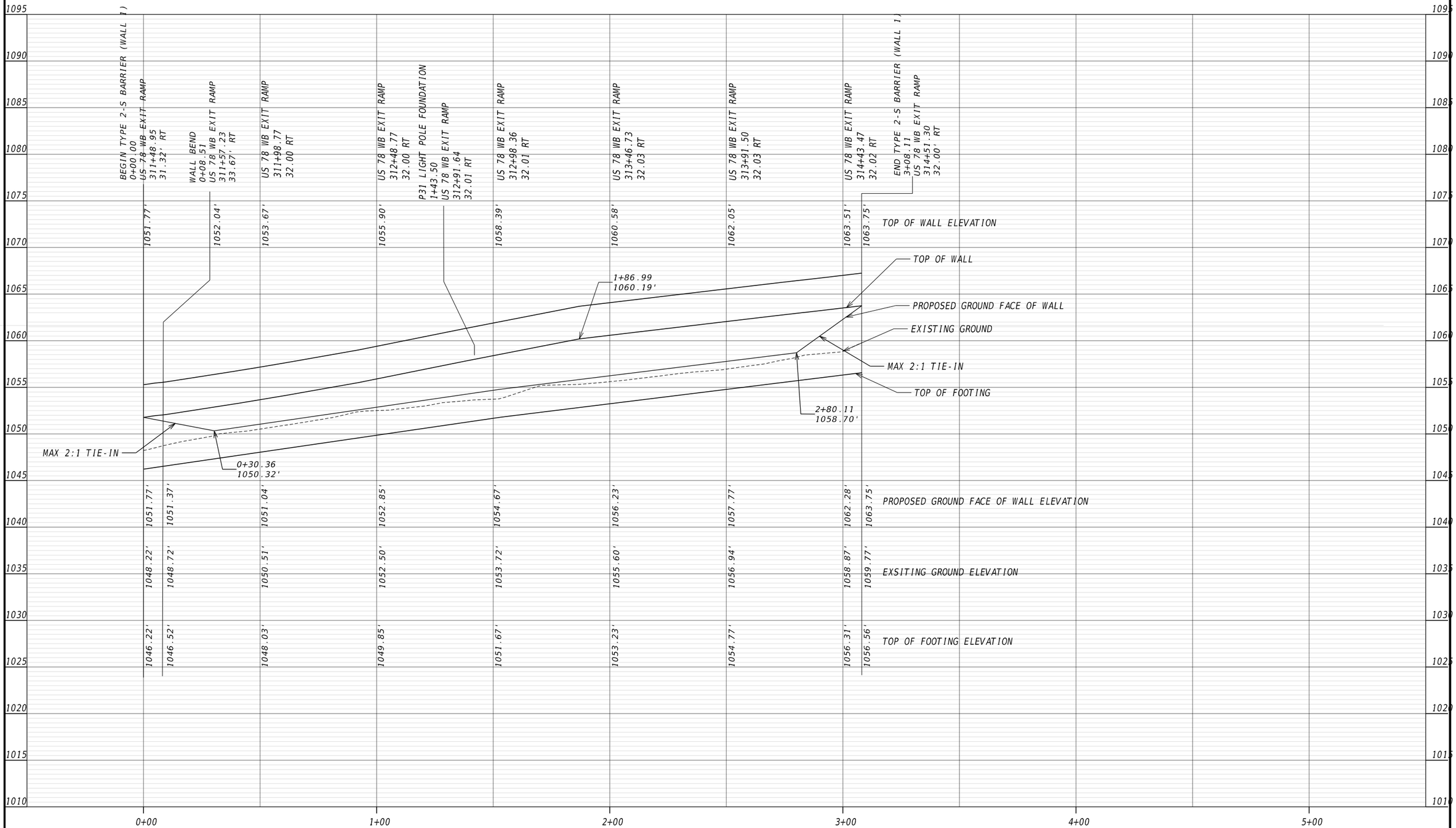
| VERIFIED: | | DATE: | |

DRAWING No.
28-0012

GPLN-CE
11/05/2020

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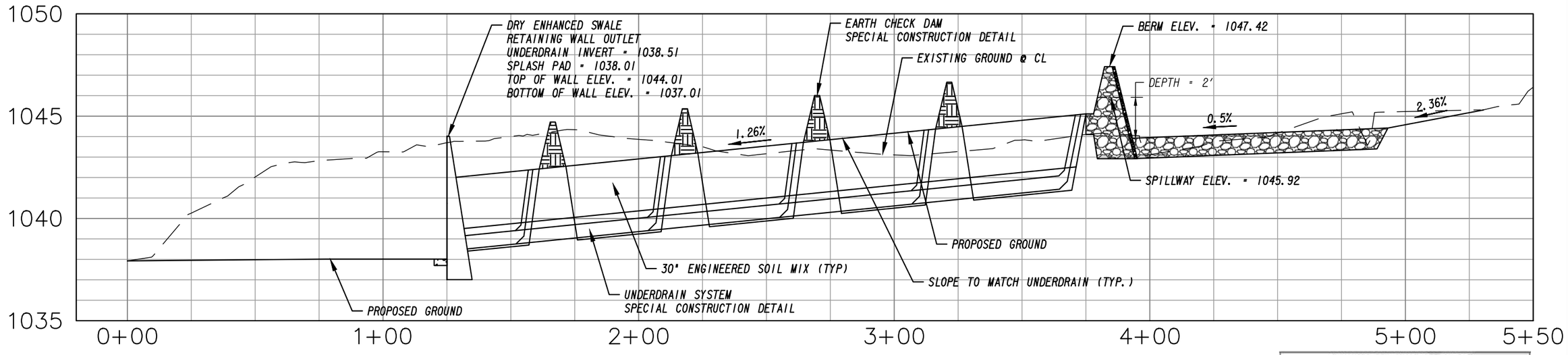
VERTICAL 1" = 10'
HORIZONTAL 1" = 40'

REVISION DATES

# RETAINING WALL ENVELOPE
## US 78 AT MOUNTAIN IND. BLVD.
## CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 31-0001 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

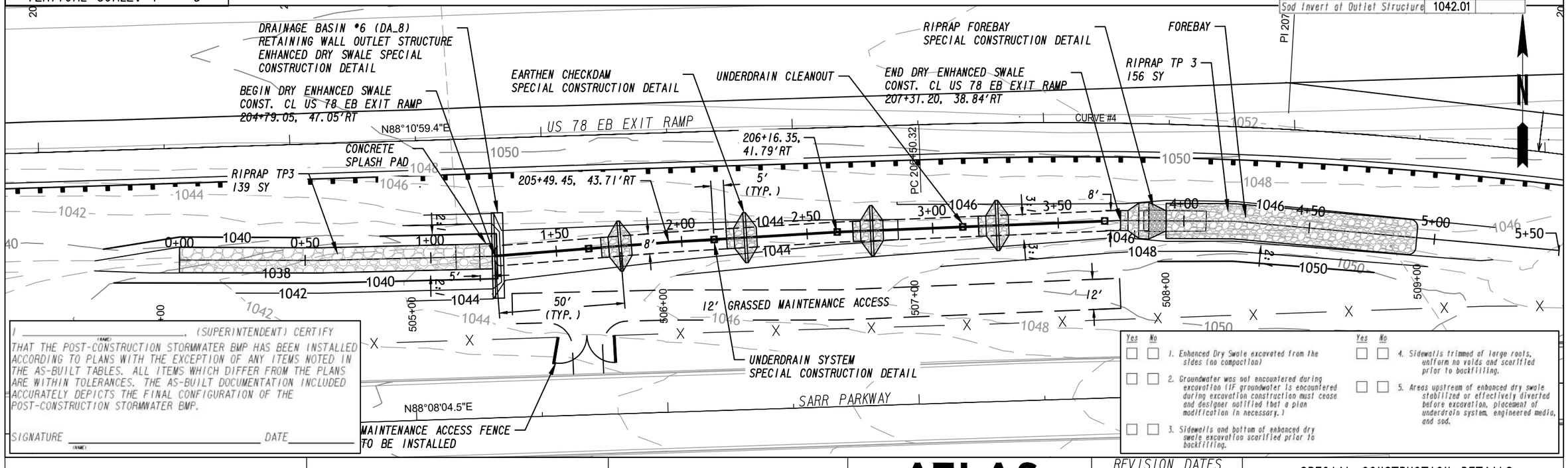
GPLN-CE
11/05/2020




## ENHANCED DRY SWALE PROFILE

HORIZONTAL SCALE: 1" = 40'
VERTICAL SCALE: 1" = 5'

| ENHANCED DRY SWALE DESIGN DATA | | |
|---|---|---|
| | DESIGN | AS-BUILT |
| Length (Begin to End Station) | 250 FT | |
| Width | 8 FT | |
| Slope | 1.26% | |
| Side Slopes | 3:1, 3:1 | |
| Sod Invert at Outlet Structure | 1042.01 | |




I _____ (NAME), (SUPERINTENDENT) CERTIFY THAT THE POST-CONSTRUCTION STORMWATER BMP HAS BEEN INSTALLED ACCORDING TO PLANS WITH THE EXCEPTION OF ANY ITEMS NOTED IN THE AS-BUILT TABLES. ALL ITEMS WHICH DIFFER FROM THE PLANS ARE WITHIN TOLERANCES. THE AS-BUILT DOCUMENTATION INCLUDED ACCURATELY DEPICTS THE FINAL CONFIGURATION OF THE POST-CONSTRUCTION STORMWATER BMP.

SIGNATURE _____ DATE _____
(NAME)

| Yes | No | |
|---|---|---|
| ☐ | ☐ | 1. Enhanced Dry Swale excavated from the sides (no compaction) |
| ☐ | ☐ | 2. Groundwater was not encountered during excavation (IF groundwater is encountered during excavation construction must cease and designer notified that a plan modification is necessary.) |
| ☐ | ☐ | 3. Sidewalls and bottom of enhanced dry swale excavation scarified prior to backfilling. |
| ☐ | ☐ | 4. Sidewalls trimmed of large roots, uniform no voids and scarified prior to backfilling. |
| ☐ | ☐ | 5. Areas upstream of enhanced dry swale stabilized or effectively diverted before excavation, placement of underdrain system, engineered media, and sod. |

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SCALE IN FEET
0 40 80 160

REVISION DATES

SPECIAL CONSTRUCTION DETAILS
DRY ENHANCED SWALE - BASIN 6
US 78 AT MOUNTAIN IND. BLVD

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 38-0001 |
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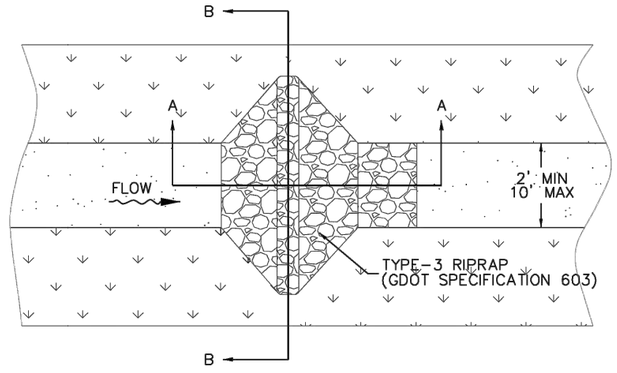
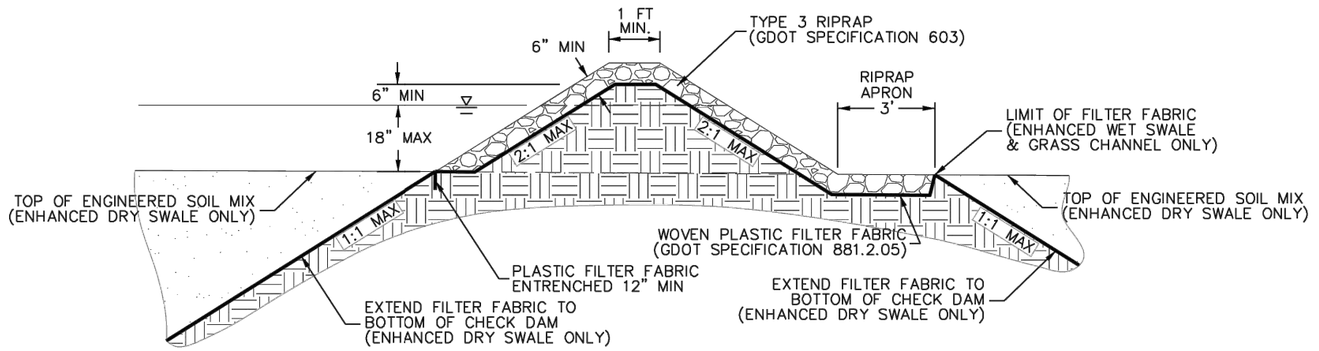


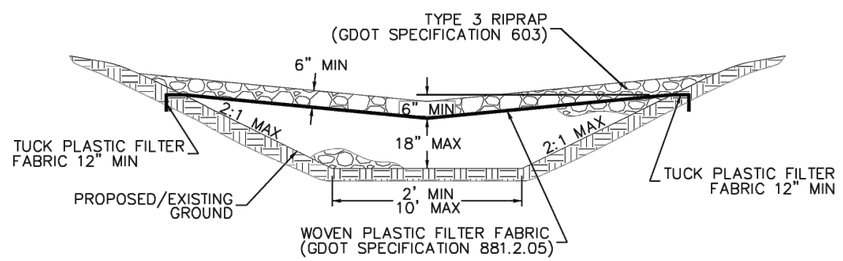

EARTH CHECK DAM
PLAN VIEW



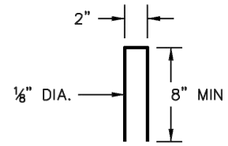

EARTH CHECK DAM
SECTION A–A

NOTE:

EARTH CHECK DAM AND PLASTIC FILTER FABRIC SHALL EXTEND TO THE BOTTOM OF THE AGGREGATE LAYER FOR ENHANCED DRY SWALES. FILTER FABRIC SHALL EXTEND 5' BEYOND RIPRAP APRON FOR GRASS CHANNELS AND ENHANCED WET SWALES.




EARTH CHECK DAM
SECTION B–B




METAL FILTER FABRIC STAPLE

GENERAL NOTES:

1) THE CHECK DAMS SHOWN ARE FOR POST–CONSTRUCTION STORMWATER BMP'S AND MAY BE USED FOR ENHANCED DRY SWALES, ENHANCED WET SWALES, AND GRASS CHANNELS.

2) EARTH CHECK DAMS SHALL NOT BE PLACED IN MEDIANS. ADDITIONALLY, EARTH CHECK DAMS SHALL NOT BE PLACED IN THE CLEAR ZONE. GUARDRAIL SHALL NOT BE PLACED SOLELY FOR THE PURPOSE OF PLACING EARTH CHECK DAMS.

3) WOVEN PLASTIC FILTER FABRIC IS REQUIRED UNDER ALL RIPRAP.

4) ANCHOR THE WOVEN PLASTIC FILTER FABRIC TO THE GROUND SURFACE WITH METAL FILTER FABRIC STAPLES 12–INCHES FROM THE EDGE AND NO GREATER THAN 12–INCHES APART.

5) IF POST–CONSTRUCTION STORMWATER BMP CANNOT BE BUILT WITHIN THE TOLERANCES ALLOWED, THE CONSTRUCTION PROJECT MANAGER SHALL NOTIFY THE OFFICE OF PROGRAM DELIVERY PROJECT MANAGER AND AREA ENGINEER. MODIFICATIONS MUST BE APPROVED BY THE GDOT OFFICE OF DESIGN POLICY AND SUPPORT PRIOR TO INSTALLATION.

6) TABLE SHOWN BELOW SHALL BE FILLED OUT AND SHOWN ON THE SPECIAL GRADING PLANS.

7) CONTRACTOR IS RESPONSIBLE FOR SUPPLYING THE AS–BUILT DATA TO THE CONSTRUCTION PROJECT ENGINEER/INSPECTOR.

| Design Data | | | | | |
|---|---|---|---|---|---|
| Begin Station | End Station | Longitudinal Slope | Bottom Width | Check Dam Spacing | # of Check Dams |
| 204+79 | 207+31 | 1.26% | 8 FT | 50 FT | 4 |
| | | | | | |

| As-Built Data | | | | | |
|---|---|---|---|---|---|
| Begin Station | End Station | Longitudinal Slope | Bottom Width | Check Dam Spacing | # of Check Dams |
| | | | | | |
| | | | | | |

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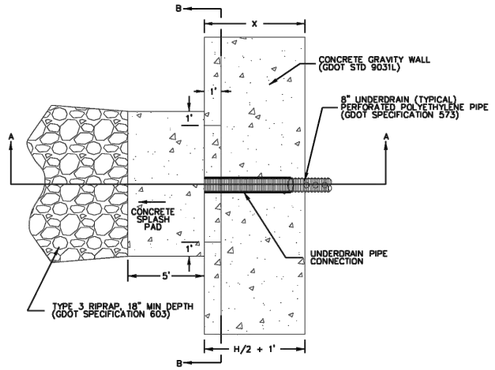
REVISION DATES

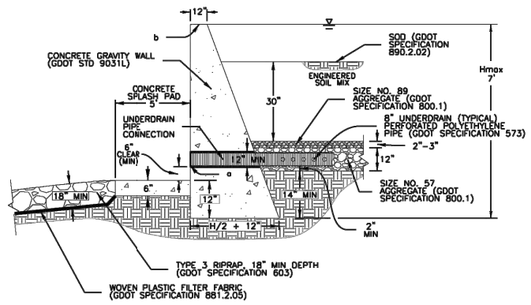
SPECIAL CONSTRUCTION DETAIL
DRY ENHANCED SWALE
EARTH CHECK DAMS

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 38-0002 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

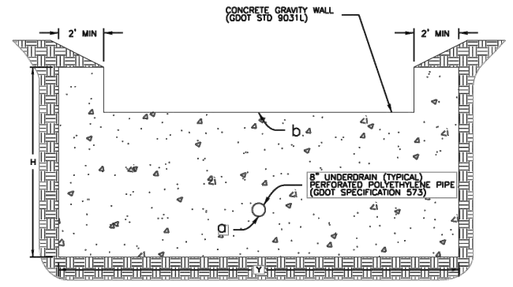
OPTION A




RETAINING WALL OUTLET
PLAN VIEW

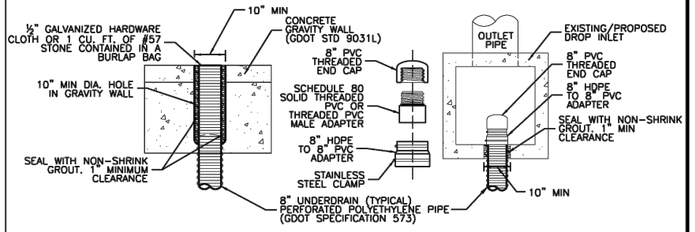



RETAINING WALL OUTLET
SECTION A–A




RETAINING WALL OUTLET
SECTION B–B

NOTE:
ALL JOINTS AND CONNECTIONS SHALL BE WATERTIGHT AND HAVE ELASTOMERIC SEALS THAT MEET THE REQUIREMENTS OF ASTM F 477.




UNDERDRAIN PIPE
CONNECTION DETAIL

| SYMBOL | DEFINITION |
|---|---|
| a | Underdrain Pipe Invert Elevation |
| b | Overbank Flood Protection Invert Elevation |
| c | Extreme Flood Protection Invert Elevation |
| X | Outlet Structure Width |
| Y | Outlet Structure Length |
| H | Outlet Structure Height |

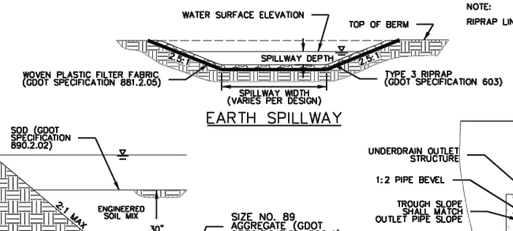
GENERAL NOTES:

1) EARTH CHECK DAMNS AND/OR ENHANCED SWALE OUTLET STRUCTURES SHALL NOT BE PLACED IN MEDIANS. ADDITIONALLY, EARTH CHECK DAMS AND/OR ENHANCED SWALE OUTLET STRUCTURES SHALL NOT BE PLACED IN THE CLEAR ZONE. GUARDRAIL SHALL NOT BE PLACED SOLELY FOR THE PURPOSE OF PLACING ANY COMBINATION OF EARTH CHECK DAMS AND/OR ENHANCED SWALE OUTLET STRUCTURES.

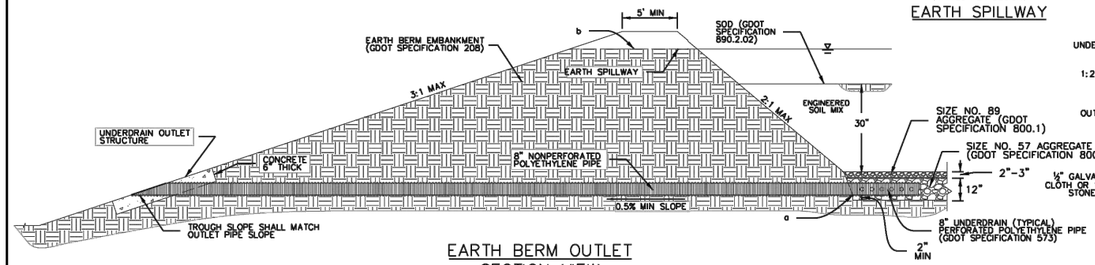
2) IF POST–CONSTRUCTION STORMWATER BMP CANNOT BE BUILT WITHIN THE TOLERANCES ALLOWED, THE CONSTRUCTION PROJECT MANAGER SHALL NOTIFY THE OFFICE OF PROGRAM DELIVERY PROJECT MANAGER AND AREA ENGINEER. MODIFICATIONS MUST BE APPROVED BY THE GDOT OFFICE OF DESIGN POLICY AND SUPPORT PRIOR TO INSTALLATION.

3) CONTRACTOR IS RESPONSIBLE FOR SUPPLYING THE AS–BUILT DATA TO THE CONSTRUCTION PROJECT ENGINEER/INSPECTOR.

OPTION B

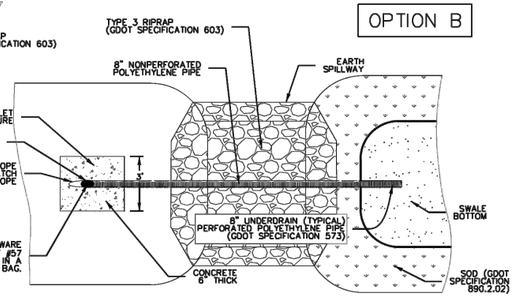



EARTH SPILLWAY



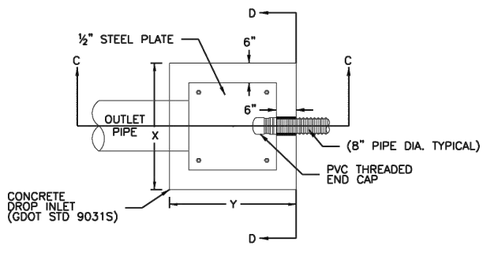

EARTH BERM OUTLET
SECTION VIEW

NOTE:
RIPRAP LINING SHOWN. SEE SPECIAL GRADING SHEET FOR APPROPRIATE SPILLWAY LINING.

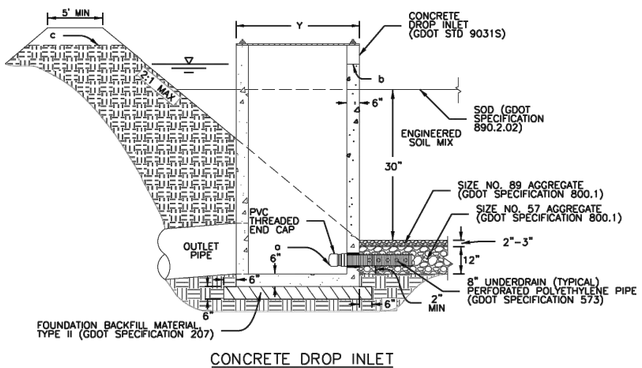



EARTH BERM OUTLET
PLAN VIEW

NOTES:
1) 9031S DROP INLET SHALL BE PRECAST.
2) 9031S DROP INLET SHALL BE CONSTRUCTED WITHOUT A CONCRETE APRON.

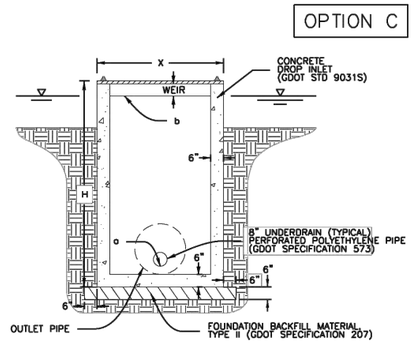



CONCRETE DROP INLET
PLAN VIEW




CONCRETE DROP INLET
SECTION C–C

OPTION C




CONCRETE DROP INLET
SECTION D–D

| OUTLET STRUCTURE DESIGN DATA | | | | | | |
|---|---|---|---|---|---|---|
| X | Y | H | Event | INVERT ELEV. | UNDERDRAIN DIA. (IN) | WEIR LEN. (FT) |
| N/A | N/A | 7 FT | a | 1038.51 | 8 | N/A |
| | | | b | 1044.01 | N/A | 20 FT |
| SPLASH PAD ELEV. = 1038.01 FT TOP OF BERM / WALL ELEV. = 1044.01 FT<br>BOTTOM OF WALL ELEV. = 1037.01 FT TOP OF BERM WIDTH = N/A<br>25-YR, 24-HR WSE = 1042.81 FT | | | | | | |

| OUTLET STRUCTURE AS-BUILT DATA | | | | | | |
|---|---|---|---|---|---|---|
| X | Y | H | Event | INVERT ELEV. | UNDERDRAIN DIA. (IN) | WEIR LEN. (FT) |
| | | | a | | | N/A |
| | | | b | | N/A | |
| SPLASH PAD ELEV. = TOP OF BERM / WALL ELEV. =<br>BOTTOM OF WALL ELEV. = TOP OF BERM WIDTH = | | | | | | |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

| REVISION DATES | | |
|---|---|---|
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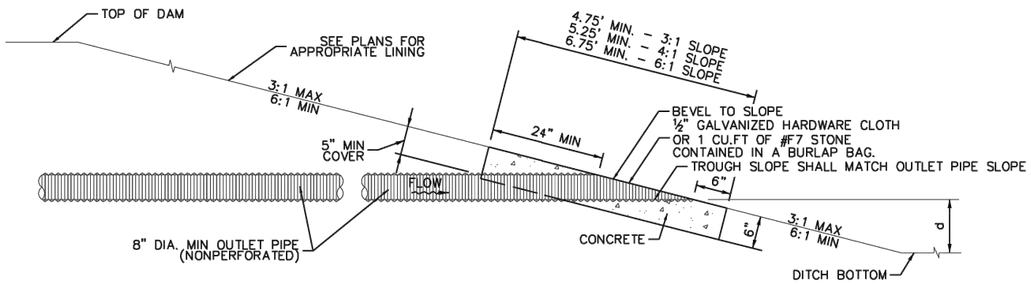
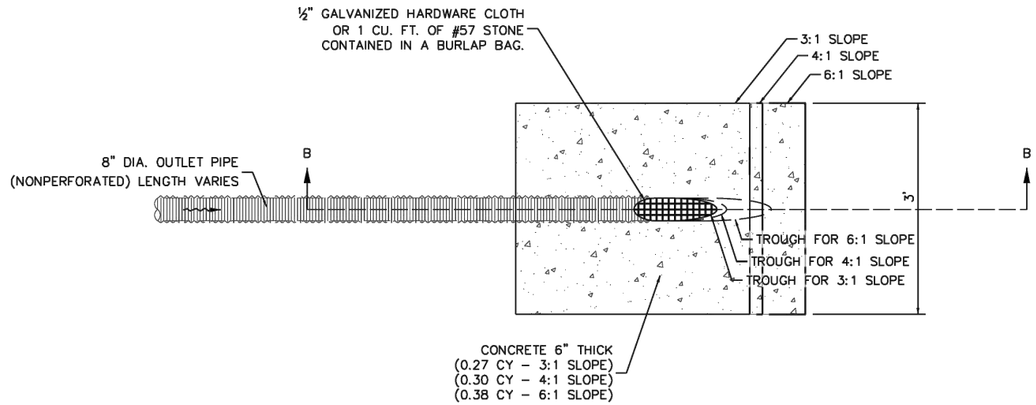
# SPECIAL CONSTRUCTION DETAIL
# ENHANCED DRY SWALE
# OUTLET STRUCTURE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 38-0003 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

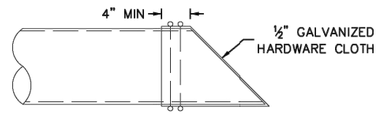



d = 1.75' STD. FOR GRASSED DITCHES; 0.5' STD. FOR PAVED DITCHES (LESS IS ACCEPTABLE TO PROVIDE MINIMUM CLEANOUT VELOCITY OF 3 ft/s)

SECTION B–B
OUTLET PIPE APRON




PLAN – OUTLET PIPE APRON




HARDWARE CLOTH TO BE PLACED OVER THE END OF PIPE AS SHOWN AND SECURED FIRMLY IN PLACE BY WRAPPING GALVANIZED WIRE AROUND PIPE AND HARDWARE CLOTH. OTHER METHODS FOR SECURING HARDWARE CLOTH FIRMLY OVER END OF PIPE MAY BE USED IF APPROVED BY THE ENGINEER.

HARDWARE CLOTH
CONNECTION DETAIL

## GENERAL NOTES

1) BENDS OR ⅛ ELBOWS SHALL BE USED TO CONNECT THE OUTLET PIPE TO THE UNDERDRAIN PIPE. THE ELBOWS OR BENDS SHALL BE OF THE SAME MATERIAL AS THE OUTLET PIPE BUT COMPATIBLE WITH THE UNDERDRAIN PIPE.

2) ALL JOINTS SHALL BE WATERTIGHT AND HAVE ELASTOMERIC SEALS THAT MEET THE REQUIREMENTS OF ASTM F 477.

3) PRECAST UNDERDRAIN OUTLETS SHALL BE CLASS "A" CONCRETE. CAST–IN–PLACE UNDERDRAIN OUTLETS MAY BE CLASS "A" OR CLASS "B" CONCRETE.

4) IF POST–CONSTRUCTION STORMWATER BMP CANNOT BE BUILT WITHIN THE TOLERANCES ALLOWED, THE CONSTRUCTION PROJECT MANAGER SHALL NOTIFY THE OFFICE OF PROGRAM DELIVERY PROJECT MANAGER AND AREA ENGINEER. MODIFICATIONS MUST BE APPROVED BY THE GDOT OFFICE OF DESIGN POLICY AND SUPPORT PRIOR TO INSTALLATION.

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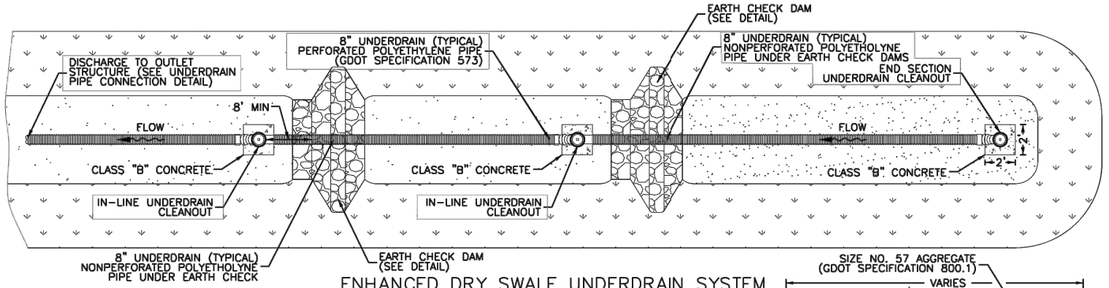
REVISION DATES

SPECIAL CONSTRUCTION DETAIL
UNDERDRAIN AND LOW FLOW PIPE OUTLET PROTECTION

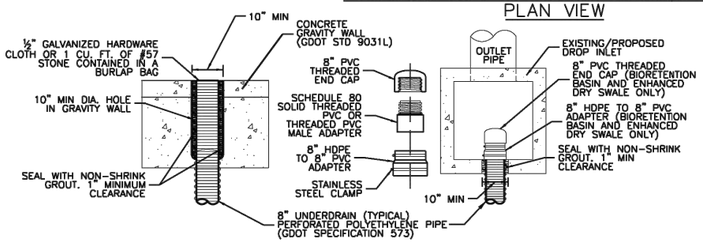
| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 38-0004 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

NOTES:

1) A MINIMUM OF 8' SHALL BE PROVIDED BETWEEN THE UNDERDRAIN CLEANOUT AND THE TOE OF EACH CHECK DAM.




ENHANCED DRY SWALE UNDERDRAIN SYSTEM
PLAN VIEW




UNDERDRAIN PIPE
CONNECTION TO EXISTING
STRUCTURES DETAIL

| UNDERDRAIN DESIGN DATA | | |
|---|---|---|
| | DESIGN | AS-BUILT |
| Slope Towards OCS | 1.26% | |
| No. 57 Aggregate Depth | 12 IN | |
| No. 89 Depth | 2 IN | |
| Number of Cleanouts | 5 | |
| Engineered Soil Mix Depth | 30 IN | |

GENERAL NOTES:

1) CLEANOUTS SHALL BE PVC STRUCTURES IN ALL VERTICAL SECTIONS WITH ADAPTERS TO CONNECT TO DISTRIBUTION AND UNDERDRAIN PIPING MATERIALS AS REQUIRED.

2) CLEANOUTS SHALL BE PROVIDED AT ALL BENDS AND AT THE END OF EACH UNDERDRAIN BRANCH.

3) IF MULTIPLE UNDERDRAIN BRANCHES ARE UTILIZED, THE BRANCHES SHALL CONNECT WITHIN THE BMP SO THAT ONLY ONE PIPE ENTERS THE OUTLET STRUCTURE.

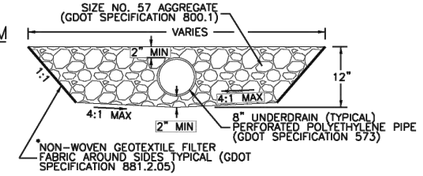
4) ALL JOINTS AND FITTINGS SHALL BE WATERTIGHT AND HAVE ELASTOMERIC SEALS THAT MEET THE REQUIREMENTS OF ASTM F 477.

5) PERFORATIONS SHALL BE PER AASHTO M252 OR BE ⅜" DIAMETER SPACED 6" ON CENTER WITH FOUR ROWS RUNNING LONGITUDINALLY. PERFORATIONS SHALL BE PLACED AT THE BOTTOM OF THE UNDERDRAIN.

6) NON-WOVEN GEOTEXTILE FILTER FABRIC MEETING GDOT SPECIFICATION 881.2.05 SHALL BE PLACED AROUND THE SIDES OF THE ENGINEERED SOIL MIX AND SAND FILTER BED FOR BIORETENTION BASINS, ENHANCED DRY SWALES, AND SAND FILTERS.

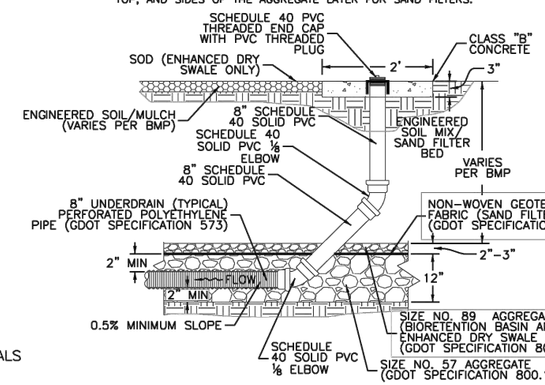
7) DOUBLE SHREDDED HARDWOOD MULCH MEETING GDOT SPECIFICATION 893.2.02 SHALL BE USED IN BIORETENTION BASINS. MULCH SHALL BE RESISTANT TO FLOATING.

8) IF POST-CONSTRUCTION STORMWATER BMP CANNOT BE BUILT WITHIN THE TOLERANCES ALLOWED, THE CONSTRUCTION PROJECT MANAGER SHALL NOTIFY THE OFFICE OF PROGRAM DELIVERY PROJECT MANAGER AND AREA ENGINEER. MODIFICATIONS MUST BE APPROVED BY THE GDOT OFFICE OF DESIGN POLICY AND SUPPORT PRIOR TO INSTALLATION.

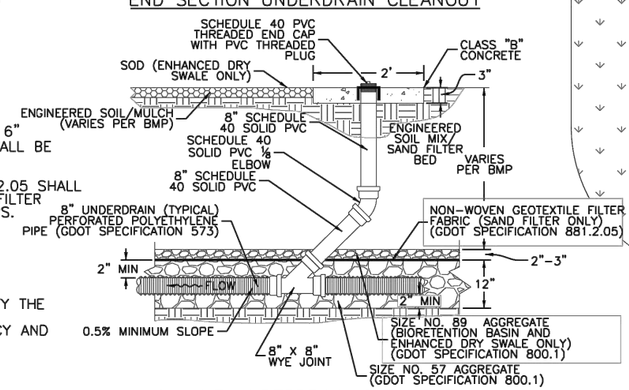



AGGREGATE LAYER DETAIL

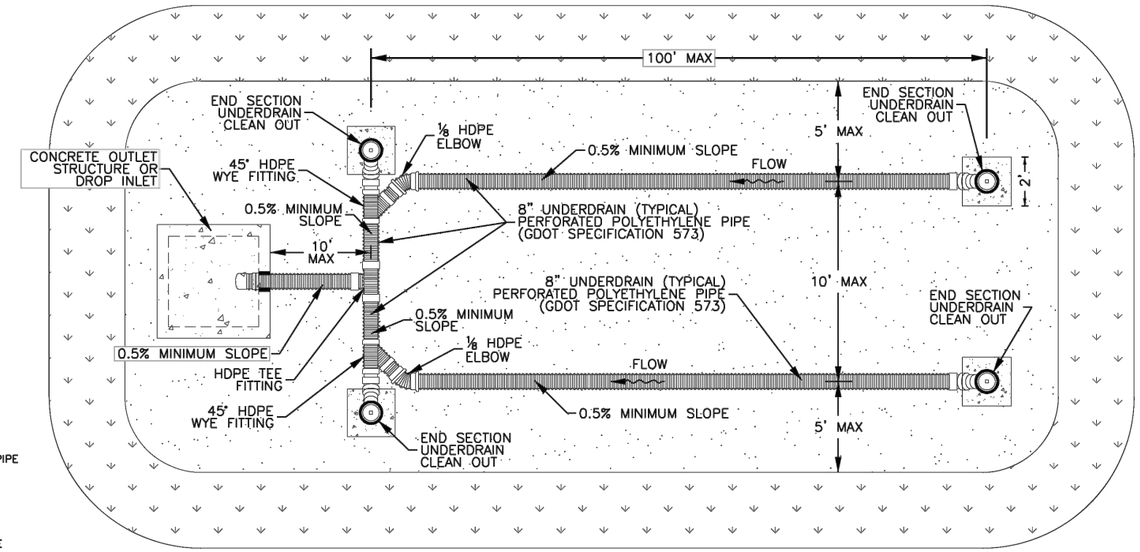
* NON-WOVEN GEOTEXTILE FILTER FABRIC SHALL BE PLACED AROUND THE TOP, AND SIDES OF THE AGGREGATE LAYER FOR SAND FILTERS.



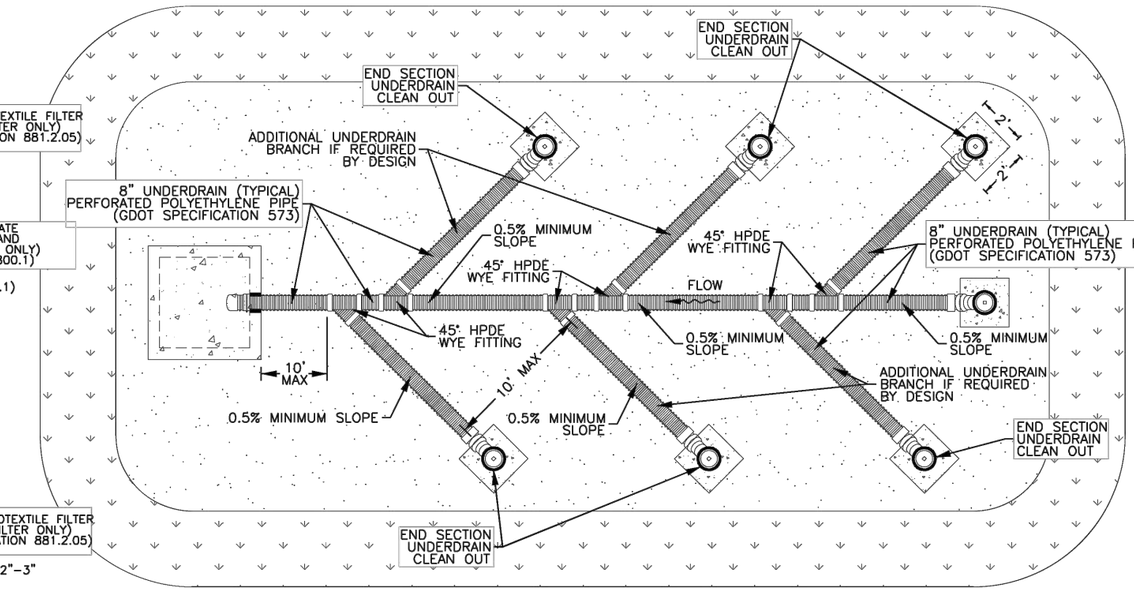

END SECTION UNDERDRAIN CLEANOUT




IN-LINE UNDERDRAIN CLEANOUT




BIORETENTION/SAND FILTER
UNDERDRAIN SYSTEM (OPTION 1)
PLAN VIEW




BIORETENTION/SAND FILTER
UNDERDRAIN SYSTEM (OPTION 2)
PLAN VIEW

NOTE:

1) A CLEANOUT SHALL BE PLACED AT A MAXIMUM SPACING OF 100 LINEAR FEET.
2) ADDITIONAL UNDERDRAIN BRANCHES CAN BE ADDED TO BOTH OPTIONS IF REQUIRED BY DESIGN.

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Suite 100
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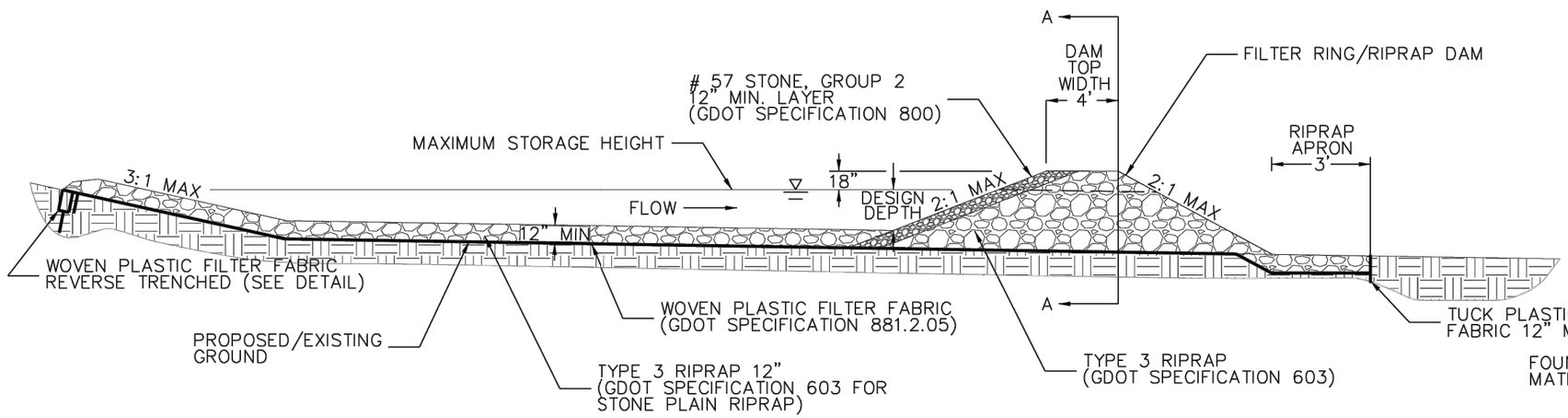
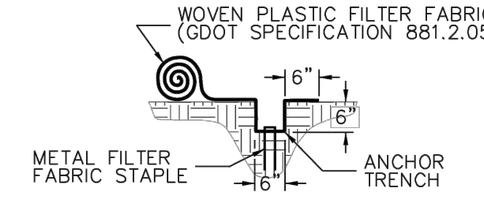
REVISION DATES

SPECIAL CONSTRUCTION DETAIL
DRY ENHANCED SWALE
UNDERDRAIN SYSTEM

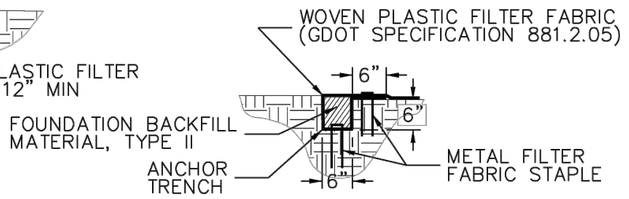
| CHECKED: | | DATE: | | DRAWING No. |
|---|---|---|---|---|
| BACKCHECKED: | | DATE: | | 38-0005 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |




CROSS SECTION VIEW




REVERSE TRENCH DETAIL 1

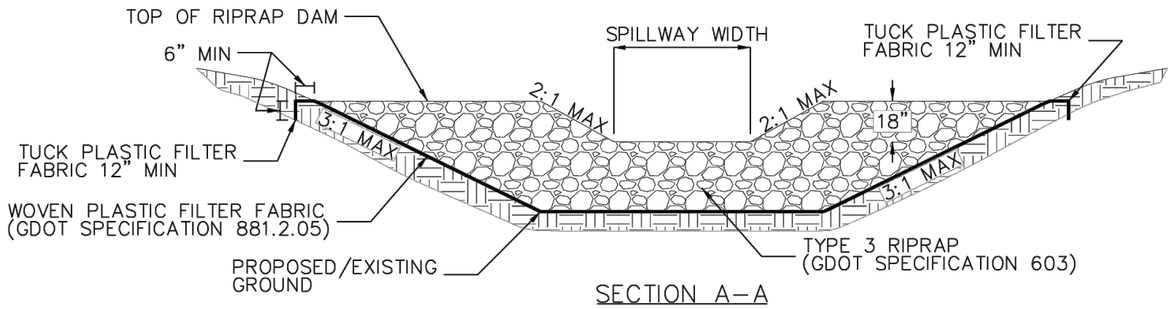



REVERSE TRENCH DETAIL 2

*NOTES:

1) FOREBAY DESIGN DEPTH SHALL BE MEASURED FROM THE TOP OF RIPRAP TO THE MAXIMUM STORAGE HEIGHT

| FOREBAY DESIGN DATA | | |
|---|---|---|
| | DESIGN | AS-BUILT |
| Spillway Elevation | 1045.92 | |
| Berm Elevation | 1047.42 | |
| Spillway Width | 8 FT | |
| Length(Begin to End Station) | 100 FT | |
| Depth | 1.5 FT | |
| Spillway Height | 24 IN | |




SECTION A–A

*NOTES:

1) RIPRAP FOREBAYS SHALL BE CONSTRUCTED WITHOUT SPILLWAYS FOR BIORETENTION BASINS AND SAND FILTERS.

GENERAL NOTES:

1) WOVEN PLASTIC FILTER FABRIC IS REQUIRED UNDER ALL RIPRAP.

2) ANCHOR THE WOVEN PLASTIC FILTER FABRIC TO THE GROUND SURFACE WITH METAL FILTER FABRIC STAPLES 12–INCHES FROM THE EDGE AND NO GREATER THAN 12–INCHES APART.

3) THE CLEAN OUT VOLUME IS ONE–THIRD THE TOTAL STORAGE VOLUME. THE CLEAN OUT VOLUME SHALL BE CALCULATED AND MARKED WITH A STAKE AT THE OUTLET.

4) RIPRAP FOREBAY SHALL BE PLACED ON THE SAME GRADE AS THE MULCH LAYER FOR BIORETENTION BASINS.

5) IF POST–CONSTRUCTION STORMWATER BMP CANNOT BE BUILT WITHIN THE TOLERANCES ALLOWED, THE CONSTRUCTION PROJECT MANAGER SHALL NOTIFY THE OFFICE OF PROGRAM DELIVERY PROJECT MANAGER AND AREA ENGINEER. MODIFICATIONS MUST BE APPROVED BY THE GDOT OFFICE OF DESIGN POLICY AND SUPPORT PRIOR TO INSTALLATION.

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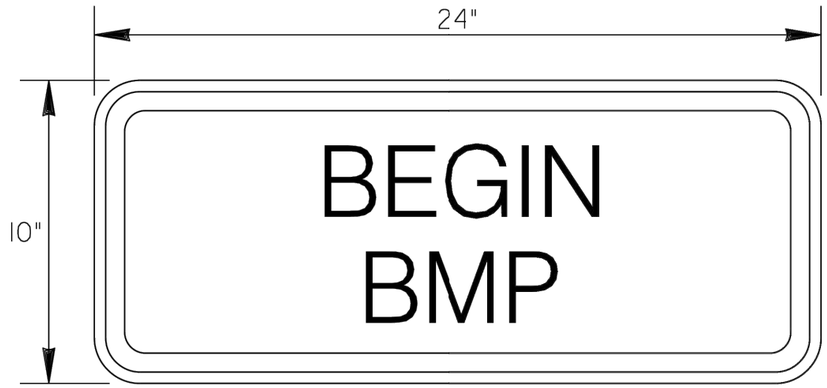
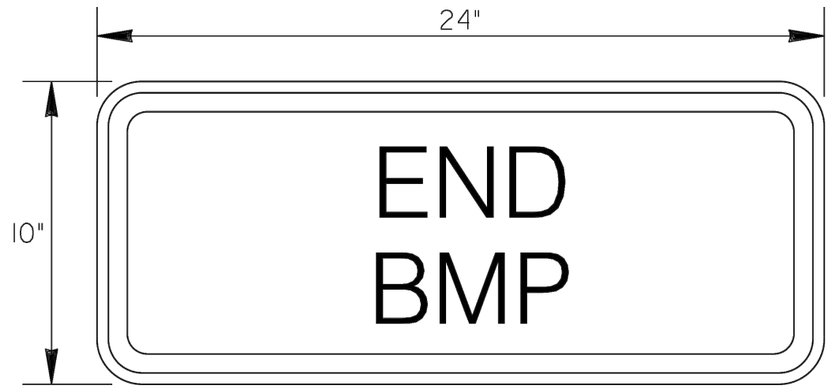
REVISION DATES

SPECIAL CONSTRUCTION DETAIL
DRY ENHANCED SWALE
RIPRAP FOREBAY

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 38-0006




BMP SIGN GENERAL NOTES:

1. SIGNS SHOULD BE CONSTRUCTED TO GDOT STANDARDS.

2. SIGNS SHOULD BE MOUNTED ON STANDARD TYPE 7 POST.

3. THE LAYOUT OF THESE SIGNS WAS TAKEN FROM THE STANDARD FOR THE S4-IP SIGN OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

4. THE FONT ON EACH SIGN SHOULD BE STANDARD GDOT SERIES FONT, 3 INCH LETTERS.

5. SIGN COLOR:
   BACKGROUND: BROWN
   TEXT/BORDER: WHITE

6. THE "BEGIN BMP" SIGN SHALL BE INSTALLED AT THE BEGINNING OF THE POST-CONSTRUCTION BMP IN THE DIRECTION OF TRAVEL. THE "END BMP" SIGN SHALL BE INSTALLED SIMILARLY AT THE END OF THE BMP.

7. "BEGIN BMP" AND "END BMP" SIGNS SHALL BE INSTALLED AT BIOSLOPES, BIORETENTION BASINS, ENHANCED DRY SWALES, ENHANCED WET SWALES, SAND FILTERS, STORMWATER WETLANDS, AND INFILTRATION TRENCHES

ATLAS
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770.263.5945

REVISION DATES

SPECIAL CONSTRUCTION DETAIL
DRY ENHANCED SWALE
BMP SIGNS

| | | | | |
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| CHECKED: | | DATE: | | DRAWING No. |
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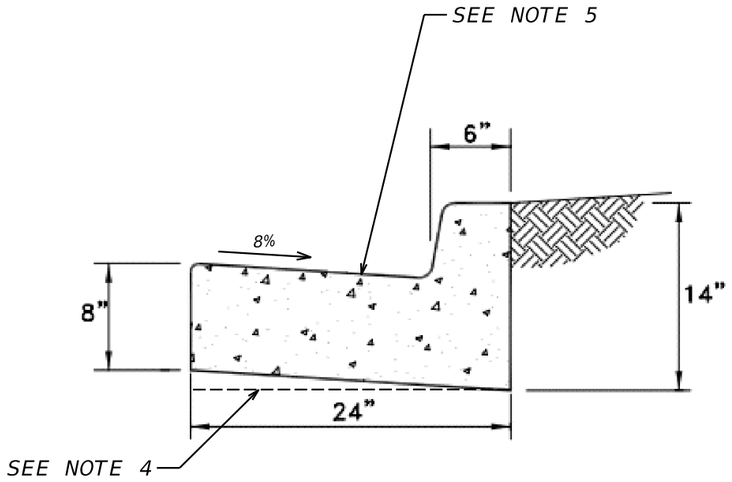


24" VERTICAL CURB AND GUTTER
(COMMERCIAL AND INDUSTRIAL)

NOTES:
1. EXPANSION JOINTS REQUIRED AT ALL STRUCTURES AND CURB RETURNS
2. MAXIMUM DISTANCE BETWEEN EXPANSION JOINTS = 250'
3. CONCRETE SHALL BE CLASS A 3000 PSI
4. AT CONTRACTOR'S OPTION THE GUTTER THICKNESS MAY BE INCREASED AT EAGE OF PAVEMENT TO MAKE BOTTOM OF BUTTER PARALLEL WITH PAVING OF BASE COURSE, BUT THE GUTTER THICKNESS MUST NOT BE LESS THAN THE SPECIFIED 6" OR 8" AT ANY POINT.
5. WHEN POSITIVE SUPERELEVATION IS REQUIRED, THE SLOPE OF THE GUTTER ON THE HIGH SIDE SHALL BE A CONTINUATION OF THE SLOPE OF THE SUPERELECATED PAVEMENT.

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2450 Commerce Avenue
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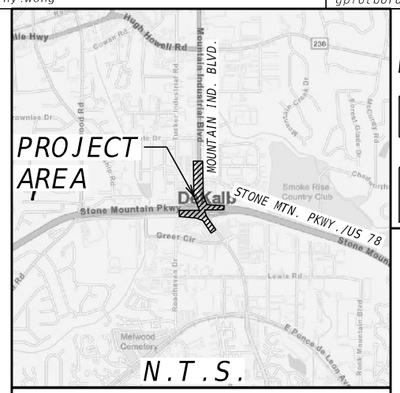
Duluth, Georgia 30096
770.263.5945

NOT TO SCALE

REVISION DATES

SPECIAL CONSTRUCTION DETAILS
US 78 AT MOUNTAIN IND. BLVD
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 38-0008 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |




LOCATION SKETCH

# CITY OF TUCKER, GEORGIA

## EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

# US 78/SR 410 AT CR 9476/MOUNTAIN INDUSTRIAL BLVD INTERSECTION IMPROVEMENT

FEDERAL AID PROJECT

DEKALB COUNTY

FEDERAL ROUTE No.: 78
STATE ROUTE No.: 410, SR 8 CONN
P.I. No.: 0017399

*"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV, of the General NPDES Permit No. GAR100002."*

*"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted, provides for sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR100002."*

*"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified perennial and intermittent streams and other water bodies, or (b) where any such specific identified perennial or intermittent stream and other water body is not proposed to be sampled, I have determined in my professional judgment, utilizing the factors required in the General NPDES Permit No. GAR100002, that the increase in the turbidity of each specific identified sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water."*

*"I certify under penalty of law that this plan was prepared after a site visit to the location described herein by myself or my authorized agent, under my direct supervision."*

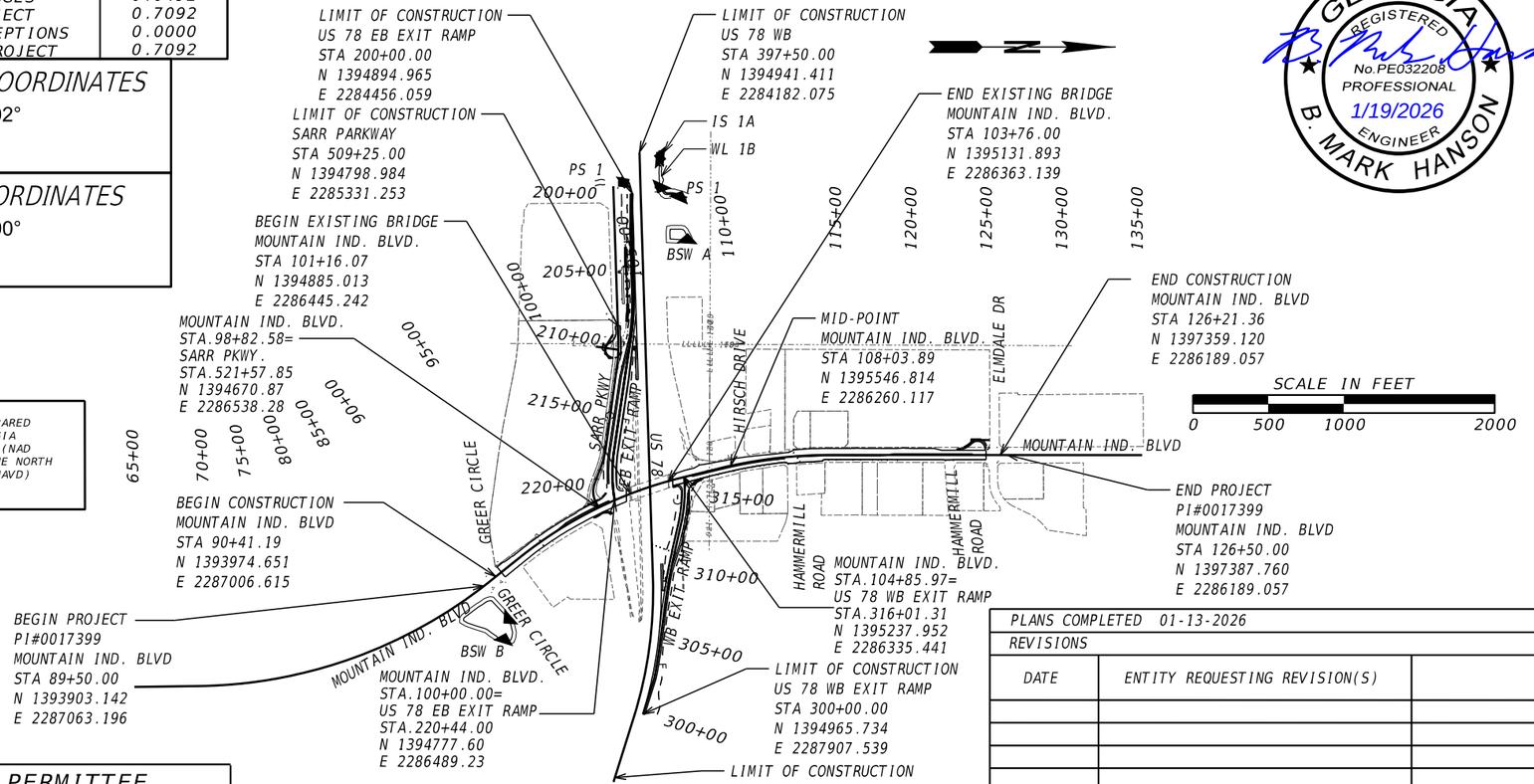
B. MARK HANSON, PE
GSWCC LEVEL II CERT #0000004987

| LENGTH OF PROJECT | COUNTY No.089 Project No. 0017399 |
|---|---|
| | MILES |
| NET LENGTH OF ROADWAY | 0.6599 |
| NET LENGTH OF BRIDGES | 0.0492 |
| NET LENGTH OF PROJECT | 0.7092 |
| NET LENGTH OF EXCEPTIONS | 0.0000 |
| GROSS LENGTH OF PROJECT | 0.7092 |

**BEGIN-POINT COORDINATES**
Longitude: -84.19802°
Latitude: 33.83192°

**END-POINT COORDINATES**
Longitude: -84.20090°
Latitude: 33.84149°

THIS PROJECT HAS BEEN PREPARED USING THE HORIZONTAL GEORGIA COORDINATE SYSTEM OF 1984 (NAD 1983)/94 WEST ZONE, AND THE NORTH AMERICAN VERTICAL DATUM (NAVD) OF 1988.




GEORGIA REGISTERED No.PE032208 PROFESSIONAL 1/19/2026 ENGINEER B. MARK HANSON

**24 HOUR CONTACT:**

Name

Street Address

City. State Zip

Phone Number

Email Address

Contractor shall complete the information in this box.

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

PLANS PREPARED BY: DESIGN

PLANS COMPLETED 01-13-2026

REVISIONS

| DATE | ENTITY REQUESTING REVISION(S) | DRAWING NUMBER(S) | SIGNATURE | GSWCC LEVEL II CERT.# |
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**PRIMARY PERMITTEE**

GEORGIA DEPARTMENT OF TRANSPORTATION
ONE GEORGIA CENTER
600 West Peachtree Street North West
Atlanta, Georgia 30308
Phone: (404) 631-1990
Email: espcp@dot.ga.gov

DRAWING No. 50-0001

# EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
## INFRASTRUCTURE CONSTRUCTION PROJECTS

**SWCD:** Dekalb County SWCD

**Project Name:** US 78/SR 410 at CR 9476/Mountain Industrial Blvd **Address:** US 78/Mountain Industrial Blvd, City of Tucker

**Local Issuing Authority:** EPD **Date on Plans:** **County:** Dekalb

**Name & email of person filling out checklist:** Mark Hanson, mark.hanson@oneatlas.com

| Plan Page # | Included Y/N | | TO BE SHOWN ON ES&PC PLAN |
|---|---|---|---|
| 50-0001 | Yes | 1 | The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed. Permit IV.D.1. pg 28 |
| 50-0001 | Yes | 2 | Level II certification number issued by the Commission, signature and seal of the certified design professional. Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed. The Level II certification must be issued to the Design Professional, after completion of a GSWCC approved course, and whose signature and seal are on the Plan. |
| 50-0001 | Yes | 3 | The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls. |
| 50-0001 | Yes | 4 | Provide the name, address, email address, and phone number of Primary Permittee. |
| 53-0001 | Yes | 5 | Note total and disturbed acreages of the project or phase under construction. |
| 50-0001 | Yes | 6 | Provide the GPS locations of the beginning and end of the infrastructure project. Give the Latitudes and Longitudes in decimal degrees. |
| 50-0001 | Yes | 7 | Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions. |
| 51-0002 | Yes | 8 | Descriptions of the nature of construction activity and existing site conditions. |
| 50-0001 | Yes | 9 | Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary. |
| 53-0001 | Yes | 10 | Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected. |
| 50-0001 | Yes | 11 | Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 20 of the permit. |
| 50-0001 | Yes | 12 | Design professional's certification statement and signature that the Permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 20 of the permit. * |
| 50-0001 | Yes | 13 | Design professional certification statement and signature that the Permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3). page 37 of the permit as applicable. * |
| 51-0004 | Yes | 14 | Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect and certify the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation." * |
| 51-0006 | Yes | 15 | Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits." |
| 51-0005 | Yes | 16 | Provide a description of any buffer encroachments and indicate whether a buffer variance is required. |
| 51-0002 | Yes | 17 | Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on EMPs with a hydraulic component must be certified by the design professional." * |
| 51-0002 | Yes | 18 | Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit." * |
| 51-0002 | Yes | 19 | Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and practices prior to land disturbing activities." |
| 51-0002 | Yes | 20 | Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source." |
| 51-0002 | Yes | 21 | Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding." |
| 51-0005 | Yes | 22 | Any construction activity which discharges storm water into a Biota Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as any portion of a Biota Impaired Stream Segment must comply with Part III.C. of the permit. Include the completed Appendix 1 of this checklist with at least 4 of the chosen BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. * |
| | N/A | 23 | If a TMDL Implementation Plan for sediment has been finalized for the Biota Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. * |
| 51-0002 | Yes | 24 | BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Include statement that washout of the drum at the construction site is prohibited. * |
| 51-0003 | Yes | 25 | Provide BMPs for the remediation of all petroleum spills and leaks. |
| 51-0003 | Yes | 26 | Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. * |
| 51-0003 | Yes | 27 | Description of practices to provide cover for building materials and building products on site. * |
| 51-0003 | Yes | 28 | Description of the practices that will be used to reduce the pollutants in storm water discharges. * |
| 51-0003 | Yes | 29 | Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, grading, infrastructure, temporary and final stabilization). |
| 51-0004 | Yes | 30 | Provide complete requirements of Inspections and record keeping by the Primary Permittee. * |
| 51-0004 & 51-0005 | Yes | 31 | Provide complete requirements of Sampling Frequency and Reporting of sampling results. * |
| 51-0004 | Yes | 32 | Provide complete details for Retention of Records as per Part IV.F. of the permit. * |
| 51-0005 | Yes | 33 | Description of analytical methods to be used to collect and analyze the samples from each location. * |
| 51-0005 | Yes | 34 | Appendix B rationale for NTU values at all outfall sampling points where applicable. * |
| 51-0005 & 55-0001 | Yes | 35 | Delineate all sampling locations on all phases of the Plan, and perennial and intermittent streams and other water bodies into which storm water is discharged. * |
| 51-0003 | Yes | 36 | A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial sediment storage requirements and initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase plan. * |
| 50, 53, 54 & 55-ALL | Yes | 37 | Graphic scale and North arrow. |
| 53-0001 TO 53-0004 | Yes | 38 | Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: |
| 51-0005 | Yes | 39 | Use of Alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov. |
| | N/A | 40 | Use of Alternative BMP for application to the Equivalent BMP List. Refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition. * |
| | N/A | 41 | Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State Waters and any additional buffers as required by the Local Issuing Authority. Clearly note and delineate all areas of impact. |
| | N/A | 42 | Delineation of all State Waters and wetlands located on or within 200 feet of the project site. |
| 51-0006, 53-ALL & 55-0001 | Yes | 43 | Delineation and acreage of contributing drainage basins on the project site. |
| 53-0001 TO 53-0004 | Yes | 44 | Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets. |
| 53-0001 | Yes | 45 | An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. |
| 53-0001 | Yes | 46 | Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate at all storm water discharge points. |
| 54-0001 TO 54-0014 | Yes | 47 | Soil series for the project site and their delineation. |
| 54-0015 TO 54-0073 | Yes | 48 | The limits of disturbance for each phase of construction. |
| 51-0006 | Yes | 49 | Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, Permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan. |
| 54-0001 TO 54-0073 | Yes | 50 | Location of Best Management Practices that are consistent with, and no less stringent than, the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual Chapter 6, with legend. |
| 56-0001 TO 56-0012 | Yes | 51 | Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia. |
| 51-0002 | Yes | 52 | Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding will take place and for the appropriate geographic region of Georgia. |

| Existing Contours | USGS 1": 2000' Topographical Sheets |
|---|---|
| Proposed Contours | 1" : 400' Centerline Profile |

* **If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A.**

**Effective January 1, 2025**

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

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ESPCP GENERAL NOTES
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

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GPLN-CE
11/05/2020

## DESCRIPTION OF EXISTING SITE AND PROPOSED PROJECT

The existing site consists of existing roadway pavement, curb & gutter, sidewalks, associated drainage structures, roadside ditches, miscellaneous utilities, and grassed areas.

The project proposes to reconstuct interchange exit ramps, install roadway pavement, earthwork grading, drainage infrastructure, roadway lighting and miscellaneous utilities

For additional information, see the project layout sheets included in the Plan Set.

## ESPCP ALTERATIONS, AMENDMENTS, AND REVISIONS

This Erosion, Sedimentation, and Pollution Control Plan (ESPCP) is provided by the Department. It addresses the staged construction of the project on the basis of common construction methods and techniques. If the Contractor elects to alter the staged construction from that shown in the plans or utilize construction techniques that render this plan ineffective, the Contractor shall revise the plans in accordance to Special Provision 161-Control of Soil Erosion and Sedimentation of the contract.

The Contractor, the Certified Design Professional, and the WECS shall carefully evaluate this plan prior to commencing land-disturbing activities. Amendments/revisions to the ESPCP which have a significant effect on BMPs with a hydraulic component requires a formal revision of the ESPCP and the signature of a GSWCC Level-II Certified Design Professional. Additional BMPs may be added per Special Provision 161-Control of Soil Erosion and Sedimentation.

Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professions.

## MAINTAINING EROSION CONTROL MEASURES

The escape of sediment from the project site shall be prevented by the installation of erosion and sediment control measures and practices prior to land-disturbing activities.

Erosion and sedimentation control measures will be maintained at all times. If full implementation of the approved plan does not provide for effective control, additional erosion and sedimentation control measures shall be implemented to control or treat the sediment source.

## WASTE DISPOSAL

Where attainable, locate waste collection areas, dumpsters, trash cans and portable toilets at least 50 feet away from streets, gutters, watercourses and storm drains. Secondary containment shall be provided around liquid waste collection areas to minimize the likelihood of contaminated discharges. The Contractor shall comply with applicable state and local waste storage and disposal regulations and obtain all necessary permits. Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

## SITE STABLIZATION AND VEGETATION PLANTING SCHEDULE

The EPD General NPDES GAR100002 permit states that any disturbed area where construction activities have temporarily or permanently ceased shall be stabilized within 14 days of such cessation or as soon as practicable if precluded by adverse weather conditions. However in special cases, the Project Engineer may require the contractor to perform stabilization more often than 14 days.

Disturbed areas shall be stabilized with suitable material listed in the current edition of the Department's Standard Specifications (or Special Provisions) Sections 161, 163, 700, or 711 on the basis of when construction activities are expected to resume.

All temporary and permanent vegetative practices including plant species, planting dates, seeding, fertilizing, liming, and mulching rates for this project can be found in Section 700 of the current edition of the Department's Standard Specifications (or Special Provisions) and other applicable contract documents or landscaping plans.

Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding.

## READY MIX CHUTE & TOOLS WASHDOWN

The washing of ready-mix concrete drums and dump truck bodies used in the delivery of Portland cement concrete is prohibited on this site.

In accordance with Standard Specification 107: Legal Regulations and Responsibility to the Public, only the discharge chute utilized in the delivery of Portland cement concrete may be rinsed free of fresh concrete remains. The Contractor shall excavate a pit outside of State water buffers, at least 25 feet from any storm drain and outside of the travelled way, including shoulders, for a wash-down pit. The pit shall be large enough to store all wash-down water without overtopping. Immediately after the wash-down operations are completed and after the wash-down water has soaked into the ground, the pit shall be filled in, and the ground above it shall be graded to match the elevation of the surrounding areas. Alternate wash-down plans must be approved by the Project Engineer.

Wash-down plans describe procedures that prevent wash-down water from entering streams and rivers. Never dispose of wash-down water down a storm drain. Establish a wash-down pit that includes the following: (1) a location away from any storm drain, stream, or river, (2) access to the vehicle being used for wash down, (3) sufficient volume for wash-down water, and (4) permission to use the area for wash down.

On sites where permission or access to excavate a wash-down pit is unavailable, the Contractor may have to wash-down into a sealable 55-gallon drum or other suitable container and then transport the container to a proper disposal site. For additional information, refer to the Georgia Small Business Environmental Assistance Program's "A Guide for Ready Mix Chute/Hopper Wash-down".

## NON-STORMWATER DISCHARGES

Non-stormwater discharges defined in Part III.A.2 of the NPDES Permit will be identified after construction has commenced. These discharges shall be subject to the same requirements as storm water discharges required by the Georgia Erosion and Sedimentation Control Act, the NPDES Permit, the Clean Water Act, the Manual for Erosion and Sediment Control in Georgia, Department Standards, and other contract documents. The NPDES does not authorize the discharge of soaps or solvents used in vehicle and equipment washing or the discharge of wastewater containing stucco, paint, oils, curing compounds, and other construction materials.

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2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

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## PETROLEUM STORAGE,SPILLS AND LEAKS

These plans expressly delegate the responsibility of proper on-site hazardous material management to the Contractor. The Contractor shall at a minimum provide an action plan and keep the necessary materials on site for the capture, clean up, and disposal of any petroleum product, or other hazardous material, leaks or spills associated with the servicing, refueling or operation of any equipment utilized at the site. A copy of the action plan shall be submitted to the Project Engineer and maintained on the project site. All personnel operating or servicing equipment shall be familiar with the action plan. The Contractor shall not park, refuel, or maintain equipment within stream buffers.

If the Contractor elects to store petroleum products on site, the Contractor shall prepare an ESPCP addendum that addresses the additional BMPs needed for onsite storage and spill prevention for petroleum products. This plan shall be prepared by a Certified Design Professional as required by GAR100002 for inclusion with these plans. The Contractor's attention is specifically directed to Standard Specification 107-Legal Regulations and Responsibility to the public for additional requirements.

## POSTCONSTRUCTION BMPs FOR STORMWATER MANAGEMENT

All permanent postconstruction BMPs are shown in the construction plans and in the ESPCP plan. The postconstruction BMPs for this project consist of enhanced dry swales, vegetated swales/ditches, vegetation, channel/ditch stabilization with turf reinforcing mats, slope stabilization matting, riprap and concrete ditch lining where necessary. The postconstruction BMPs will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

## OTHER CONTROLS

If the Contractor elects to store building material, building products, construction waste, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials on the site, the Contractor shall provide an appropriate covering to minimize the exposure of those materials or products to precipitation and stormwater to minimize the discharge of pollutants.

Minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of the specific material or product poses little risk to stormwater contamination or is intended for outdoor use.

The Contractor shall follow this ESPCP and ensure and demonstrate compliance with all applicable State and/or local regulations for waste disposal, sanitary sewer and septic systems, and petroleum storage.

The Contractor shall control dust from the site in accordance with Section 161 of the current edition of the Department's Standard Specifications.

## CONSTRUCTION SCHEDULE AND SEQUENCE OF MAJOR ACTIVITIES

The Contractor's construction schedule is listed below. A copy of the construction schedule shall be maintained at the project site.

Phase 1 - Construction of Temporary Pavement
Phase 2 - Shift traffic to Temporary Pavement on exit ramps and construct Stage.
Phase 3 - Shift traffic to construct Stage 3.

The total construction time for this project is 24 months.

The project budget includes sufficient funds for the payment of construction exits. The Contractor is responsible for establishing at least one (1) construction exit per the specifications of the construction exit detail included in this ESPCP to minimize or eliminate the vehicle tracking of dirt, soils, and sediments off site. To facilitate project logistics, the Contractor is also responsible for selecting the location(s) of the construction exit(s).

INITIAL PHASE:
Install perimeter erosion control barrier and sediment storage BMPs.

INTERMEDIATE PHASE 1:
Construction activities are detailed in the construction plans. This includes grading, drainage, paving and installation of major structures. Throughout this phase, temporary erosion control measures shall be installed and maintained as depicted by the BMP installation details.

INTERMEDIATE PHASE 2:
Construction activities are detailed in the construction plans. This includes clearing, grading, drainage, paving and installation of drainage structures. Throughout this phase, temporary erosion control measures shall be installed and maintained as depicted by the BMP installation details.

FINAL PHASE:
Final grading, grassing, slope stabilizers and other miscellaneous items. Removal and proper clean up of temporary erosion control. Placement of permanent erosion control as detailed in the plans.

| ACTIVITY | INTENDED SEQUENCE OF MAJOR ACTIVITIES | MONTH 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ACTIVITY | INITIAL PERIMETER AND SEDIMENT STORAGE BMP INSTALLATION | ■ | ■ | | | | | | | | | | | | | | | | | | | | | | |
| | CLEARING & GRUBBING | | | ■ | ■ | ■ | ■ | | | | | | | | | | | | | | | | | | |
| | INTERMEDIATE BMP INSTALLATION | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | | | |
| | BMP MAINTENANCE | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | TEMPORARY STABILIZATION | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | |
| | GRADING | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | | | | |
| | ASPHALT INSTALLATION | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | |
| | FINE GRADING | | | | | | | | | | | | | | | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ | |
| | FINAL STABILIZATION | | | | | | | | | | | | | | | | | | ■ | ■ | ■ | ■ | ■ | ■ | ■ |

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## INSPECTIONS AND REPORTING

As the primary permittee, the Department must retain the design professional who prepared the ESPCP, or an alternative design professional approved by EPD in writing, to inspect and certify the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days of installation over the entire infrastructure project. Alternatively, for linear infrastructure projects, the permittee must retain either of these personnel to inspect the initial sediment storage requirements and perimeter control BMPs for the initial segment, as defined by Part IV.A.5. of the current GAR100002 Permit, within 7 days of installation and all sediment basins within the entire linear infrastructure project within 7 days of installation. The inspecting design professional shall report the results to the primary permittee within 7 days, and the permittee must correct all deficiencies within 2 business days of receipt of the inspection report, unless on-site weather conditions are such that more time is required. Additionally, the Department's Construction Project Engineer will be responsible for all subsequent 7-day inspections for all new BMP installations.

All other inspections shall be documented on the appropriate Department inspection forms. See Standard Specification (or Special Provision) 167 and other contract documents for inspection and reporting requirements. These inspections shall continue until the Notice of Termination (NOT) is submitted.

Whenever the Department finds that a BMP has failed or is deficient beyond routine maintenance and has resulted in sediment deposition into waters of the State, the Contractor shall take reasonable steps to address the condition, including cleaning up any contaminated surfaces so the material will not discharge in subsequent storm events. When the repair does not require a new or replacement BMP or significant repair, the BMP failure or deficiency must be corrected by the close of the next business day from the time of discovery. A repair requiring a new or replacement BMP or significant repair must be operational by no later than 7 days from the time of discovery. If the repair time within 7 days is infeasible, the Contractor and the Department shall schedule the BMP repair to be operational as soon as practical after the 7-day time frame.

Failure to perform inspections as required by the contract documents and the NPDES permit shall result in the cessation of all construction activities with the exception of Traffic Control and Erosion Control. Continued failure to perform inspections shall result in non-refundable deductions as specified in the contract documents.

## APPROPRIATE BMP AND SAMPLING CERTIFICATION STATEMENT

The permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated in Part IV page 20 of the permit. The signature of the preparer affixed on the Plan cover sheet serves as the certification.

## WATER QUALITY INSPECTING AND SAMPLING PROCEDURES

See Special Provision 167 and other contract documents for the inspecting and sampling procedures. Sampling locations are provided in the Sampling Location table herein.

## RETENTION OF RECORDS

The primary permittee will retain all records related to the implementation of this ESPCP in accordance with Part IV of the General Permit GAR100002.

## SILT FENCE INSTALLATION WITH J HOOKS AND SPURS

Silt fence should never be run continuously. The silt fence should turn back into the fill or slope to create small pockets that trap silt and force stormwater to flow through the silt fence. This technique is called using J hooks (or spurs). The J hooks shall be utilized on all silt fences that are located around the perimeter of the project and along the toe of embankments or slopes. The J hooks shall be spaced in accordance with GDOT Construction Detail D-24C. The maximum J-hook spacing is reached when the top of the J hook is at the same elevation as the bottom of the immediately upgradient J hook. J Hooks shall be paid for as silt fence items per linear foot. All costs and other incidental items are included in the cost of installing and maintaining the silt fence.

## BMP INSTALLATION AND MAINTENANCE MEASURES

See the Department's Standard Specifications (or Special Provisions) 161, 163, 165, 700, 711, and other contract documents for installation and maintenance measures.

## DEWATERING AND PUMPING ACTIVITIES

Any pumped discharge from an excavation or disturbed area shall be routed through an appropriately sized sediment basin, silt filter bag, or shall be treated equivalently with suitable BMP's. The contractor shall ensure the post BMP treated discharge is sheet flowing. Failure to create sheet flow will obligate the contractor to perform water quality sampling of pumped discharges. The contractor shall prepare sampling plans in accordance with the current GAR100002 NPDES permit by utilizing a Certified Design Professional. No separate payment will be made for water quality sampling of pump discharges.

## SOIL SERIES INFORMATION

A project-specific soil survey and geotechnical investigation was performed for this project and can be made available upon request. Soil characteristics have been given full consideration in the hydrologic analysis, the design of channels and linings, selection of temporary BMP's, design of energy dissipaters, and in the selection of permanent vegetation and fertilizers.

The following is a summary of the soils that are expected to be found on the project site:

| Map Unit Symbol | Map Unit Name | Acres in AOI | Percent of AOI |
|---|---|---|---|
| AkB | Altavista fine sandy loam, 2 to 6 percent slopes | 0.3 | 0.20% |
| AmC | Appling sandy loam, 6 to 10 percent slopes | 1.6 | 1.00% |
| Ca | Cartecay silt loam, frequently flooded | 2.5 | 1.60% |
| CeB | Cecil sandy loam, 2 to 6 percent slopes | 22.6 | 14.00% |
| CuC | Cecil-Urban land complex, 2 to 10 percent slopes | 0.1 | 0.10% |
| MfD2 | Madison sandy clay loam, 10 to 15 percent slopes, | 3.3 | 2.10% |
| PfE | Pacolet sandy loam, 15 to 30 percent slopes | 4.7 | 2.90% |
| Ud | Urban land | 126 | 78.10% |
| **Totals for Area of Interest** | | **161.2** | **100.00%** |

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## USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS

Fabric check dams will be used on this project as an alternative BMP. The use of the alternative BMP for stone check dams has been reviewed by the Georgia EPD and has been determined by the Georgia EPD to be allowable only for this ESPCP. This review was site specific and was based on documentation submitted and certified by the Level-II Certified Design Professional and was acquired by the Georgia EPD and GSWCC. Letter from the Chief Engineer, Construction Detail D-24D and the Alternative BMP Documentation have been submitted.

## STATE WATER BUFFER IMPACTS

State water buffers, as defined by O.C.G.A. 12-7-1, are not impacted by this project.

Non-exempt activities shall not be conducted within the 25- or 50-foot undisturbed stream buffers as measured from the point wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits.

The Contractor is not authorized to enter into stream buffers, except as described in the Buffer Impact Table.

Unless noted otherwise, utility companies will be submitting the required permits/variances in conjunction with the impacts caused by their activities. If utility impacts are covered by the Department's stream buffer variance, this shall be noted in the buffer-variance-required column.

## SAMPLING FREQUENCY

Sampling frequency shall be accordinging to GAR100002 IV.D.6.d. Below is a short summary. For complete requirements refer to the permit.

The applicable storage are when the outfall or receiving water exists. Sampling needs to occur during the applicable stages. Sampling does not need to occur during each stage.
Sampling shall be during normal business hours.
Sampling shall be at qualifing events defined as a rain event which that reaches or exceeds 0.5 inches and had a stormwater discharge.

(a) The first sampling event is after clearing and grubbing but prior to completion of mass grading.
(b) The second sampling is at least 90 days after the first sampling event or after all mass grading is complete.
(c) Follow-up sampling is needed if BMPs are not properly designed, and maintained during the first two sampling events. Each subsequent qualifying event until the turbidity standard is attained or until post-rain event inspections determine that BMPs are properly designed, installed, and maintained.

## SAMPLING LOCATIONS AND GENERAL NOTES

Representative sampling may be utilized on this project as explained here. The individual outfall drainage basins along the project corridor have been carefully evaluated and compared on the basis of four characteristics: the type of construction activity, the disturbed acreage, the average slope about the outfall, and the soil erosion index 0-10, 10 being the most erodible soil. The construction activity types are new road on fill, new road in cut, road widening, and maintenance/safety. The disturbed area classes are less than or equal to 1 acre, greater than 1 acre to less than 2 acres, and equal to or greater than 2 acres. The average outfall slope is mild if it is equal to or less than 0.03, and steep if it is greater than 0.03. The soil erosion index is low if it is less than or equal to 5 and high if it is greater than 5. After evaluation of these characteristics as presented in the project's drainage area map, hydrology and hydraulic studies, construction plans, geotechnical soil survey, and erosion sedimentation and pollution control plans, the Department has determined that the representative sampling scheme shown below is valid for the duration of the project. The table shows the groups of similar outfall drainage basins.

The increase in turbidity at the specified locations in the table below will be representative of the alternate outfall drainage basins when similar outfall drainage basins exist. Approved primary and alternate representative sampled features are identified in the Sampling Location Table.

The primary sampled features specified should be used as the initial sampling locations. An alternate sampled feature may be used if additional sampling is required or to replace a primary sampled feature that is no longer located within the active phase of construction.

The permittee's ES&PC Plan provides for representative sampling as stated on Part IV.D.6.c.(3) page 37 of the permit as applicable. The signature of the preparer affixed on the Plan cover sheet serves as the certification.

Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment. *

**SAMPLING LOCATION TABLE**

| Sampling Information | | | | | | | | | | | Representative Sampling Scheme: Outfall Characteristics | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Primary Sampled Feature | Location (Station and Offset) | Name of Receiving Water | Applicable Construction Stage for Sampling | Sampling Type (Outfall or Receiving water) | Drainage Area for Receiving Water ($mi^2$) | Upstream Disturbed Area (acres) | Warm or Cold Water Stream | Appendix B NTU Value (Outfall Sampling only) | Allowable NTU Increase (Receiving water sampling only) | Location Description | Construction Activity | Disturbed Area (acres) | Average Outfall Slope (Rise/Run) | Soil Erosion Index | Represented Outfall Drainage Basins |
| 2 | 111+48, 39' RT | Stone Mountain Creek | 2,3 | Outfall | 1.23 | N/A | Warm | 50 | N/A | Exist. SWCB | Maintenance/ Safety | 0.09 | 0.01 | 6.31 | 1A, 1B, 1C, 2, 3A, 3B, 5 |
| 4 | 125+34, 75' LT | Stone Mountain Creek | 2,3 | Outfall | 1.23 | N/A | Warm | 50 | N/A | DI | Road Widening | 0.21 | 0.005 | 6.31 | 4 |
| 6 | 399+78, 125' RT | South Fork Peachtree Creek | All | Outfall | 0.97 | 2.8 | Warm | 50 | N/A | Ditch End | New Road - Fill | 2.77 | 0.08 | 6.31 | 6 |
| 7 | 310+76, 104' RT | Stone Mountain Creek | All | Outfall | 1.23 | N/A | Warm | 50 | N/A | Exist. Median Inlet | New Road-Fill | 2.22 | 0.01 | 6.31 | 7 |
| 11 | 429+85, 1' RT | Stone Mountain Creek | All | Outfall | 1.23 | N/A | Warm | 50 | N/A | Exist. Median Inlet | Road Widening | 0.32 | 0.014 | 6.31 | 9, 10, 11 |
| 12 | 434+83, 180' LT | Stone Mountain Creek | All | Outfall | 1.23 | N/A | Warm | 50 | N/A | Exist. Pipe Inlet | Road Widening | 1.24 | 0.024 | 6.31 | 12 |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

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## SEDIMENT STORAGE

*The Sediment Storage Table summarizes the required and available sediment storage for every outfall on this project. The Contractor shall provide and maintain the storage volumes for the BMP's specified in this table.*

*To prevent runoff from bypassing inlet sediment traps, a temporary sump shall be installed around all inlet sediment traps that are not located in a low point or an excavated sump. Construct temporary sumps in accordance with Construction Detail D-24C. Temporary sumps shall be installed in a manner that ensures stormwater does not bypass the inlet. The Contractor may submit alternate temporary containment berm designs to the Project Engineer for approval.*

**SEDIMENT STORAGE TABLE**

| Location | Total Drainage Area | Disturbed Area | Required Sediment Storage Volume | Total Storage Volume Provided | Check Dams (Varies $yd^3$/each) | | Inlet Sediment Traps (1.78 $yd^3$/each) | | Rock Filter Dam (5.09 $yd^3$/each) | | Silt Fence (0.3 $yd^3$/ft) | | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | # of Devices | Total Volume | # of Devices | Total Volume | # of Devices | Total Volume | Length | Total Volume | |
| | (acres) | (acres) | ($yd^3$) | ($yd^3$) | | ($yd^3$) | | ($yd^3$) | | ($yd^3$) | (ft) | ($yd^3$) | |
| Outfall 1A | 0.51 | 0 | 34.17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Disturbed area is 0 acre due to mill and inlay , constructing a sediment basin at this outfall is impractical. |
| Outfall 1B | 1.01 | 0.02 | 67.67 | 1.78 | 0 | 0 | 1 | 1.78 | 0 | 0 | 0 | 0 | Disturbed area is minimal due to mill and inlay , constructing a sediment basin at this outfall is impractical. |
| Outfall 1C | 0.38 | 0.04 | 25.46 | 1.78 | 0 | 0 | 1 | 1.78 | 0 | 0 | 0 | 0 | Disturbed area is minimal due to mill and inlay , constructing a sediment basin at this outfall is impractical. |
| Outfall 2 | 0.81 | 0.03 | 54.27 | 1.78 | 0 | 0 | 1 | 1.78 | 0 | 0 | 0 | 0 | Disturbed area is minimal due to mill and inlay and construction of 90 LF of sidewalk, constructing a sediment basin at this outfall is impractical. |
| Outfall 3A | 2.86 | 0 | 191.62 | 14.24 | 0 | 0 | 8 | 14.24 | 0 | 0 | 0 | 0 | Disturbed area is 0 acre due to mill and inlay , constructing a sediment basin at this outfall is impractical. |
| Outfall 3B | 1.04 | 0 | 69.68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Disturbed area is 0 acre due to mill and inlay , constructing a sediment basin at this outfall is impractical. |
| Outfall 4 | 0.49 | 0.21 | 32.83 | 82.16 | 0 | 0 | 2 | 3.56 | 0 | 0 | 262 | 78.6 | |
| Outfall 5 | 0.16 | 0 | 10.72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Disturbed area is 0 acre due to mill and inlay , constructing a sediment basin at this outfall is impractical. |
| Outfall 6 | 6.40 | 2.77 | 428.8 | 1163.49 | 19 | 49.06 | 3 | 5.34 | 1 | 5.09 | 3680 | 1104 | |
| Outfall 7 | 11.76 | 2.22 | 787.92 | 825.44 | 27 | 92.88 | 2 | 3.56 | 0 | 0 | 2430 | 729 | |
| Outfall 9 | 1.74 | 0.03 | 116.58 | 133.92 | 6 | 55.32 | 0 | 0 | 0 | 0 | 262 | 78.6 | |
| Outfall 10 | 1.60 | 0.04 | 107.2 | 108.28 | 0 | 0 | 1 | 1.78 | 0 | 0 | 355 | 106.5 | |
| Outfall 11 | 1.57 | 0.25 | 105.19 | 235.78 | 0 | 0 | 1 | 1.78 | 0 | 0 | 780 | 234 | |
| Outfall 12 | 6.88 | 1.24 | 460.96 | 562.76 | 11 | 18.26 | 0 | 0 | 0 | 0 | 1815 | 544.5 | |

*For this project, not all required total sediment storage volumes can be provided. See the detailed comparison between required sediment storage volume and actual sediment storage volume in above table. The outfalls are being protected by ditch checks, inlet sediment traps, rock filter dam, and silt fence in liue of sediment basins that are not feasible because a minimally designed sediment basin would disturb more area than protect at particular outfalls.*

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2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

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## DISCHARGES INTO OR WITHIN ONE LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT

The Impaired Stream Table is a summary of project outfalls within 1 mile and within the watershed of an identified impaired stream segment that has been listed for criteria violated, "Bio F" (impaired fish community) and/or "Bio M" (impaired macro invertebrate community), within Category 4a, 4b or 5, and the potential cause is either "NP" (nonpoint source) or "UR" (urban runoff).

**IMPAIRED STREAM TABLE**

| Outfall ID # and Location (Station and Offset) | Reach Name | Location of the Impaired Stream Segment as Indicated in the 305b/303d List | Criteria Violated (Bio F\|Bio M) | Potential Cause (NP\|UR) | Category (4a, 4b, or 5) | Numeric waste load allocation (WLA) for sediment* |
|---|---|---|---|---|---|---|
| Outfall 6 STA 399+78, 125' RT | South Fork Peachtree Creek | Headwaters to Peachtree Creek, Atlanta | Bio F, Bio M | UR | 4a | 0.1 tons/year |
| The TMDL for Chattahoochee basin was completed Bacterial 2003 (Revised 2008) (Bacteria Indicator Supplement 2022), Bio F in 2018, and Bio M in 2018. The WLA for sediment is 0.1 tons/year. | | | | | | |
| Outfall 12 STA 434+83, 180' LT | Stone Mountain Creek | Headwaters to Stone Mountain Lake | N/A | UR | 4a | N/A |
| The TMDL for Ocmulgee basin was completed Bacteria 2002 (Revised 2007) (Bacteria Indicator Supplement 2022) and Cu 2018 without a sediment WLA for infrastructure projects. Infrastructure projects are required to follow the NPDES permit.. | | | | | | |
| N/A | Snapfinger Creek | Headwaters to South River | Bio M | UR | 4a | N/A |
| The TMDL for Ocmulgee basin was completed Bacterial 2002 (Revised 2007) (Bacteria Indicator Supplement 2022) and Bio M in 2018 without a sediment WLA for infrastructure projects. Infrastructure projects are required to follow the NPDES permit. | | | | | | |

* If the TMDL Implementation Plan establishes a specific numeric waste load allocation that applies to the project discharge(s) to the Impaired Stream Segment, then the Certified Design Professional must incorporate that allocation into the Erosion, Sedimentation and Pollution Control Plan and implement all necessary measures to meet that allocation. See Appendix 1 for additional required BMPs for this project.

## RIPRAP OUTLET PROTECTION

No riprap outlet protection proposed for this project.

## CHANNEL PROTECTION

All channels may be stabilized exclusively with permanent grassing except as noted otherwise in the Channel Protection Table.

**CHANNEL LINING TABLE**

| Begin Station and Offset | End Station and Offset | $Q_{25}$ ($ft^3/s$) | $V_{25}$ (ft/s) | Type of Channel Lining | Channel Bottom Width (ft) | Depth of Protection Dp (ft) | Quantity ($yd^2$) |
|---|---|---|---|---|---|---|---|
| 215+60 LT | 219+51 LT | 3.0 | 1.09 | TRM-1 | 4.0 | 2.00 | 655 |
| 209+88 RT | 219+32 RT | 9.7 | 1.24 | TRM-1 | 4.0 | 4.00 | 3088 |
| 309+35 LT | 315+20 LT | 2.9 | 1.08 | TRM-1 | 4.0 | 3.00 | 1500 |
| 310+47 RT | 311+90 RT | 3.2 | 5.78 | Concrete | 4.0 | 0.50 | 99 |
| 311+90 RT | 314+51 RT | 1.9 | 5.12 | Concrete | 2.0 | 0.50 | 123 |

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Suite 100
Duluth, Georgia 30096
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GPLN:CE 11/05/2020

**APPENDIX 1**

**THE ES&PC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPS FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO AN IMPAIRED STREAM SEGMENT OR FOR SITES WHICH EPD HAS APPROVED IN WRITING A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME.**

The four items chosen must be appropriate for the site conditions.

| Plan Page # | Included Y/N | | |
|---|---|---|---|
| | | a. | During construction activities, double the width of the 25-foot undisturbed vegetated buffer along all State Waters requiring a buffer and the 50-foot undisturbed vegetated buffer along all State Waters classified as "trout streams" requiring a buffer. During construction activities, EPD will not grant variances to any such buffers that are increased in width. |
| | | b. | Increase all temporary sediment basins and retrofitted storm water management basins to provide sediment storage of at least 3600 cubic feet (134 cubic yards) per acre drained. |
| | | c. | Use baffles in all temporary sediment basins and retrofitted storm water management basins to at least double the conventional flow path length to the outlet structure. |
| 54-0001, 54-0016 54-0030 | Y | d. | A large sign (minimum 4 feet x 8 feet) must be posted on site by the actual start date of construction. The sign must be visible from a public roadway. The sign must identify the following: (1) construction site, (2) the permittee(s), (3) the contact person(s) and telephone number(s), and (4) the permittee-hosted website where the Plan can be viewed and must be provided on the submitted NOI. The sign must remain on site and the Plan must be available on the provided website until a NOT has been submitted. |
| 54-0001 - 54-0043 | Y | e. | Use tackifiers and/or mulch to stabilize areas left disturbed for more than seven (7) calendar days in accordance with **Part III. D.1.** of the current NPDES Permits. |
| | | f. | Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24-hour period, recognizing the exceptions specified in **Part IV.D.6.d.** of the current NPDES Permits. |
| | | g. | Comply with the applicable end-of-pipe turbidity effluent limit, without the "BMP defense" as provided for in O.C.G.A. 12-7-6 (a)(1). |
| | | h. | Reduce the total planned site disturbance to less than 50% impervious surfaces (excluding any State-mandated buffer areas from such calculations). All calculations must be included on the Plan. |
| | | i. | Limit the amount of disturbed area at any one time to no greater than 25 acres or 50% of the total planned site, whichever is less. All calculations must be included on the Plan. |
| | | j. | Use "Dirt II" techniques available on the EPD website to model and manage construction storm water runoff (including sheet flow). All calculations must be included on the Plan. |
| 54-0001 - 54-0057 | Y | k. | Conduct soil tests representative of conditions at the time of planting to identify and to implement site-specific fertilizer needs and/or add appropriate organic soil amendments (e.g., compost) and conduct pre- and post-construction soil sampling to a depth of six (6) inches to document improved levels of soil carbon after final stabilization of the construction |
| | | l. | Use mulch filter berms, in addition to a silt fence, on the site perimeter wherever construction storm water (including sheet flow) may be discharged. Mulch filter berms cannot be placed in waterways or areas of concentrated flow. |
| | | m. | Use appropriate erosion control slope stabilization instead of concrete in all construction storm water ditches and storm drainages designed for a 25-year, 24-hour rainfall event. |
| | | n. | Use flocculants or coagulants under a passive dosing method (e.g., flocculant blocks) within all construction storm water ditches and storm drainages that feed into temporary sediment basins and retrofitted management basins. |
| | | o. | Install sod for a minimum 20-foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever storm water (including sheet flow) may be discharged. |
| 51-0008 | Y | p. | Certified personnel shall conduct inspections at least twice every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with **Part IV.D.4.a.(3)(a)-(c )** of this permit. * |
| | | q. | Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity. |
| | | r. | Use Alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a design professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). (If using this item please refer to the Alternative BMP guidance document found at *www.gaswcc.georgia.gov*) |
| | | s. | Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any State mandated buffer areas from such calculations). All calculations must be included in the Plan. |
| | | t. | Conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase of the project by the design professional who prepared the Plan in accordance with **Part IV.A.5** of the permit. |
| | | | *The Plan must include a statement that the primary permittee must retain the design professonal who prepared the Plan to conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase.* |
| | | u. | Install Post Construction BMPs (e.g., runoff reduction BMPs) which remove 80% TSS as outlined in the Georgia Stormwater Management Manual, known as the Blue Book, or an equivalent or more stringent design manual. |
| | | * | This requirement is different for infrastructure projects: Certified personnel for primary permittees shall conduct inspections at least once every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Part IV.D.4.a.(3)(a) – (c) of the permit. |

**Effective January 1, 2025**

## *ESPCP SIGN*

*The large sign shall be in the format shown in Special Provision 153. Fabricate and install the sign according to Section 636, Section 910, Section 911, Section 912, and Section 913. The cost of the sign installation, maintenance, and removal shall be included in pay item 161-1000. It shall be posted on site by the actual start of construction and remain on site until the end of construction. The project plans must be available on the provided website until a NOT has been submitted.*

*The sign shall be posted parallel to a road, preferably facing the driveway to the field office trailer. The location of the sign shall be such that it is visible and readable from a road. The sign must identify the following: (1) construction site, (2) permittee(s), (3) the contact person(s) and telephone number(s), and (4) the permittee-hosted website where the Plan can be viewed must be provided on the submitted NOI. For "PROJECT #" enter full project id number. For "Project Engineer" and "Telephone" enter Construction Project Manager and their telephone number.*

*The permittee-hosted website is: www.dot.ga.gov/BS/Projects/ProjectSearch*

## *DISTURBED AREA STABILIZATION*

*Disturbed areas shall be stabilized with suitable material listed in the current edition of the Department's Standard Specifications (or Special Provisions) Sections 161, 163, 700, or 711 on the basis of when construction activities are expected to resume.*

## *SOIL TESTS FOR IDENTIFYING SITE-SPECIFIC FERTILIZER NEEDS*

*Conduct soil tests to identify and to implement site-specific fertilizer needs.*

## *ADDITIONAL SITE INSPECTIONS*

*Certified personnel for primary permittees shall conduct inspections at least twice every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Part IV.D.4.a.(3)(a) (c); secondary permittees, Part IV.D.4.b.(3)(a) (c); and tertiary permittees Part IV.D.4.c.(3)(a) (c) **

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

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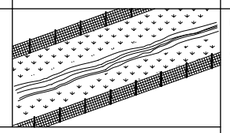
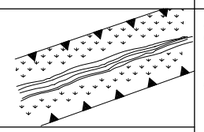
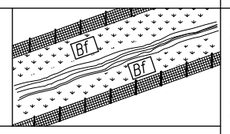
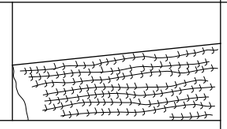
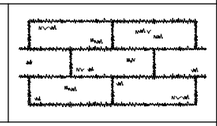
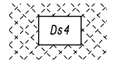
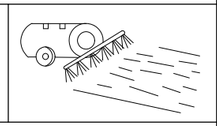
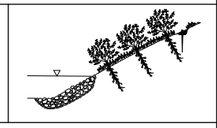
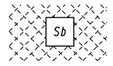
| BACKCHECKED: | | DATE: | | 51-0008 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| | ORANGE BARRIER FENCE |  | ORANGE BARRIER FENCE DELINEATES ENVIRONMENTALLY SENSITIVE AREAS WHERE THE CONTRACTOR SHALL NOT CLEAR, GRUB, OR PLACE CONSTRUCTION MATERIALS OR EQUIPMENT WITHIN THIS AREA. |
| | | LINE CODE ORANGE BARRIER FENCE | |
| ESA | ENVIRONMENTALLY SENSITIVE AREA |  | AN ENVIRONMENTALLY SENSITIVE AREA (ESA) CONTAINS RESOURCES THAT ARE ENVIRONMENTALLY, CULTURALLY, OR HISTORICALLY SENSITIVE. ESAs INCLUDE, BUT ARE NOT LIMITED TO: STATE WATER BUFFERS, HISTORIC SITES, ARCHAEOLOGICAL SITES, AND PROTECTED ANIMAL AND PLANT SPECIES HABITATS.<br><br>IF WORK IS AUTHORIZED IN THIS AREA, THE WORK MUST BE PERFORMED IN ACCORDANCE WITH SECTION 107 AND ANY OTHER APPLICABLE SPECIAL PROVISIONS AND APPLICABLE PLAN NOTES. |
| | | LINE CODE ESA-25'(OR 50')STREAM BUFFER, ETC. | |
| Bf | BUFFER ZONE |   | A STRIP OF UNDISTURBED ORIGINAL VEGETATION, ENHANCED OR RESTORED EXISTING VEGETATION, OR THE RE-ESTABLISHMENT OF VEGETATION SURROUNDING AN AREA OF DISTURBANCE OR BORDERING STREAMS, PONDS, WETLANDS, LAKES, AND COASTAL WATERS.<br><br>WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE. |
| | | SYMBOL Bf | |
| Ds1 | MULCH SECTION 163 |  | THIS IS AN APPLICATION OF STRAW MULCH USED TO REDUCE SOIL EROSION AND STABILIZE THE SOIL. IT IS USED TO CONTROL EROSION IN AREAS WHERE PERMANENT VEGETATION IS OUT OF SEASON OR TO TEMPORARILY STABILIZE AREAS PRIOR TO FINAL GRADING.<br><br>MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER.<br><br>THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54. |
| | | SYMBOL Ds1 | |
| Ds2 | TEMPORARY GRASSING SECTION 163, 700 | | THE SOWING OF A QUICK GROWING SPECIES OF GRASS SUITABLE TO THE AREA AND SEASON. IT IS TYPICALLY USED TO CONTROL EROSION IN AREAS LONGER THAN MULCHING IS EXPECTED TO LAST.<br><br>TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS.<br><br>THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54. |
| | | SYMBOL Ds2 | |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Ds3 | PERMANENT GRASSING SECTION 700 | | THE SOWING OF PERMANENT VEGETATION, SUCH AS GRASS, SUITABLE TO THE AREA AND SEASON.<br><br>PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION.<br><br>THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54. |
| | | SYMBOL Ds3 | |
| Ds4 | SODDING CONSTRUCTION DETAIL D-54 SECTION 700, 890 |  | THE INSTALLATION OF A SPECIES OF GRASS SODDING SUITABLE TO THE AREA AND SEASON TO PROVIDE IMMEDIATE PERMANENT VEGETATION.<br><br>SODDING MAY BE SHOWN FOR HIGHLY SENSITIVE AREAS, TO IMPROVE AESTHETICS, OR FOR SPECIAL PLANTING REQUIREMENTS ON THE BASIS OF ENVIRONMENTAL COMMITMENTS OR LANDSCAPING REQUIREMENTS.<br><br>THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54. |
| | | PATTERN   | |
| Fl-Co | FLOCCULANTS COAGULANTS SECTION 163, 700, 895 |  | FLOCCULANTS AND COAGULANTS ARE USED TO SETTLE SUSPENDED SEDIMENT, HEAVY METALS, AND HYDROCARBONS (TSS) IN SLOW MOVING RUNOFF FROM CONSTRUCTION SITES FOR WATER CLARIFICATION.<br><br>ANIONIC POLYACRYLAMIDES (PAM) MAY BE USED IN CONJUNCTION WITH BMPs WITHIN CHANNELS UPSTREAM OF A POST-CONSTRUCTION POND, TEMPORARY SEDIMENT BASIN, OR TEMPORARY SEDIMENT TRAP. FLOCCULANTS SHALL NOT BE USED DOWNSTREAM OF AFOREMENTIONED BMPs!<br><br>FLOCCULANTS/COAGULANTS ARE TO BE SHOWN ON PLANS WITH APPLICABLE BMP IF NEEDED. PAYMENT FOR PAM AS A FLOCCULANT WILL BE INCLUDED IN THE PRICE FOR THE INSTALLATION AND/OR MAINTENANCE OF THE BMP IT IS USED IN CONJUNCTION WITH. NO SEPARATE PAYMENT WILL BE MADE. |
| | | SYMBOL Fl-Co POLYACRYLAMIDE | |
| Sb | STREAMBANK STABILIZATION SECTION 702 |  | STREAMBANK STABILIZATION IS THE USE OF READILY AVAILABLE NATIVE PLANT MATERIALS TO MAINTAIN AND ENHANCE STREAMBANKS, OR TO PREVENT, OR RESTORE AND REPAIR SMALL STREAMBANK EROSION PROBLEMS.<br><br>STREAMBANK STABILIZATION AREAS SHOULD BE SHOWN ON THE PLANS WHEN APPLICABLE TO THE PROJECT. REFER TO THE PROJECT'S STREAM AND STREAM BUFFER MITIGATION PLANS FOR PLANT SPECIES, LOCATIONS, AND OTHER PLANTING DETAILS. |
| | | PATTERN   | |

NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

| REVISION DATES | | |
|---|---|---|
| 3/2/2017 | | |

**EROSION CONTROL LEGEND**

UNIFORM CODE SHEET

SHEET 1 OF 7

NO SCALE

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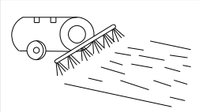
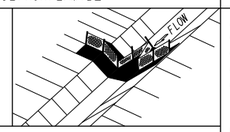
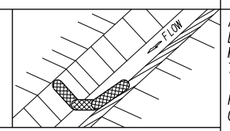
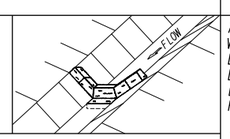
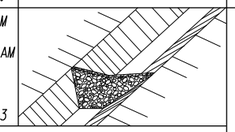
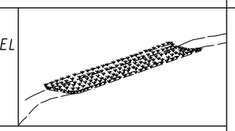
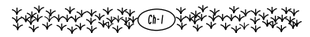
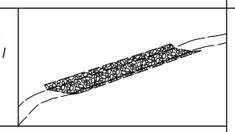
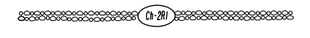
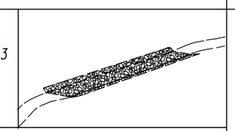
|---|---|---|---|---|
| CHECKED: | O. EAGLETON | DATE: | 01/01/16 | DRAWING No. |
| BACKCHECKED: | | DATE: | | 52-0001 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

7/31/2015 GPLN

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Ss | SLOPE STABILIZATION<br>CONSTRUCTION DETAIL D-35 SECTION 716 | <br>PATTERN<br> | SLOPE STABILIZATION (EROSION CONTROL MATTING) IS A PROTECTIVE COVERING USED TO PREVENT EROSION AND ESTABLISH TEMPORARY OR PERMANENT VEGETATION ON STEEP SLOPES, SHORE LINES, OR CHANNELS.<br><br>SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP).<br><br>SLOPE STABILIZATION SHALL BE USED ON ALL CUT OR FILL SLOPES OF 2.5:1 OR STEEPER AND WITHIN 50 FEET OF ALL CROSS DRAINS AND CULVERTS.<br><br>NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS. |
| Tac | TACKIFIERS<br>SECTION 163, 700, 895 |  <br>SYMBOL<br>Tac<br>POLYACRYLAMIDE | TACKIFIERS HYDRATE IN WATER AND READILY BLEND WITH OTHER SLURRY MATERIALS AND ARE USED TO TIE-DOWN FOR SOIL, COMPOST, SEED, STRAW, HAY OR MULCH.<br><br>TACKIFIERS REQUIREMENTS, SUCH AS ANIONIC POLYACRYLAMIDES (PAM) ARE ADDRESSED BY STANDARD SPECIFICATIONS AND ARE NOT TYPICALLY SHOWN ON THE PLANS. PAM IS TYPICALLY USED BY THE CONTRACTOR FOR TEMPORARY OR PERMANENT GRASSING.<br><br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA. |
| Cd-F | FABRIC CHECK DAM<br>CONSTRUCTION DETAIL D-24D SECTION 171 |  <br>SYMBOL<br>Cd-F | A CHECK DAM COMPOSED OF SYNTHETIC FIBER FABRIC, WIRE REINFORCED, POST, OVERFLOW WEIR, AND TURF REINFORCEMENT MATTING (TRM) SPLASHPAD PLACED IN DITCHES IN A SPECIAL CONFIGURATION WHICH CONTROLS ENERGY DISSIPATION AND FILTRATION OF STORM WATER. SEE CONSTRUCTION DETAIL D-24D FOR ADDITIONAL INFORMATION AND SPACING REQUIREMENTS.<br><br>THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE.<br><br>IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT. |
| Cd-Fs | COMPOST FILTER SOCK CHECK DAM<br>CONSTRUCTION DETAIL D-52 SECTION 163 |  <br>SYMBOL<br>Cd-Fs | A COMPOST FILTER SOCK CHECK DAM IS COMPOSED OF A PHOTODEGRADABLE OR BIODEGRADABLE KNITTED MESH MATERIAL CONTAINING A WEED FREE FILLER MATERIAL DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER. THEY SHALL BE PROPERLY STAKED FOR DITCH APPLICATIONS.<br><br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS.<br><br>IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT. |
| Cd-Hb | BALED STRAW CHECK DAM<br>CONSTRUCTION DETAIL D-52 SECTION 163 |  <br>SYMBOL<br>Cd-Hb | A BALE STRAW CHECK DAM IS COMPOSED OF BALES PREFERABLY BOUND WITH WIRE OR NYLON INSTEAD OF TWINE. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING ADJACENT BALES. THE DOWNSTREAM ROW OF BALES SHALL BE PLACED IN A TRENCH TO ALLOW THE TOP OF THE BALE'S LONG, WIDE SIDE TO BE LEVEL WITH THE GROUND AS A NON-ERODIBLE SPLASH PAD. PROPER STAKING IS ALSO REQUIRED FOR DITCH APPLICATIONS.<br><br>IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT. |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Cd-S | STONE CHECK DAM OR SANDBAG CHECK DAM<br>CONSTRUCTION DETAIL D-56 SECTION 163, 603 |  <br>SYMBOL<br>Cd-S | STONE CHECK DAMS ARE CONSTRUCTED OF TYPE-3 RIP-RAP WITH GEOTEXTILE UNDERLINER. STONE CHECK DAMS ARE PREFERRED IN ROADWAY DITCHES OUTSIDE THE CLEAR ZONE. CONSIDERATION SHOULD BE GIVEN TO USING OTHER APPROPRIATE CHECK DAMS AND/OR BMPs WITHIN THE CLEAR ZONE.<br><br>SANDBAG CHECK DAMS ARE RECOMMENDED IN CONCRETE LINED CHANNELS FOR TEMPORARY VELOCITY CONTROL ONLY. ENSURE DISCHARGE POINT IS PROPERLY STABILIZED AND INCLUDE APPROPRIATE BMPs FOR SEDIMENT STORAGE UPSTREAM AND/OR DOWNSTREAM OF CONCRETE LINED CHANNELS.<br><br>IF THIS ITEM IS USED IN AN AREA WITH FLOWS GREATER THAN 2.0-CFS OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM DISCHARGE POINT. |
| Ch-I | VEGETATED CHANNEL STABILIZATION<br>SECTION 700 |  <br>LINE CODE<br>  | A NEW OR EXISTING CHANNEL MAY BE LINED WITH PERMANENT VEGETATION ONLY FOR VELOCITIES UP TO 5.0 fps. THIS MEASURE SHALL BE DESIGNED IN ACCORDANCE WITH THE GDOT CHANNEL LINING DESIGN PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.<br><br>TYPICALLY NOT SHOWN IN PLANS. |
| Ch-2R1 | CHANNEL STABILIZATION RIP-RAP, TYPE 1<br>CONSTRUCTION DETAIL D-49 SECTION 603 |  <br>LINE CODE<br>  | THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 1 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.<br><br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |
| Ch-2R3 | CHANNEL STABILIZATION RIP-RAP, TYPE 3<br>CONSTRUCTION DETAIL D-49 SECTION 603 |  <br>LINE CODE<br> | THIS ITEM CONSISTS OF LINING A CHANNEL WITH TYPE 3 RIP-RAP 24" THICK (UNLESS SPECIFIED OTHERWISE) PLACED ON TOP OF A GEOTEXTILE UNDERLINER. THE RIP-RAP SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED.<br><br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |

## NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

| REVISION DATES |
|---|
| 3/2/2017 |
| 11/28/2018 |

**EROSION CONTROL LEGEND**

UNIFORM CODE SHEET

SHEET 2 OF 7

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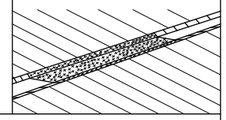
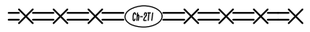
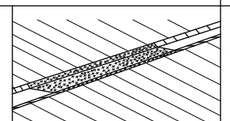
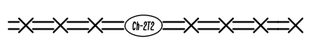
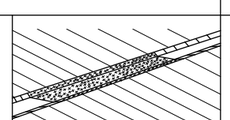
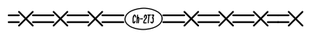
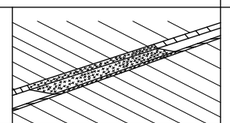
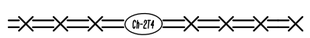
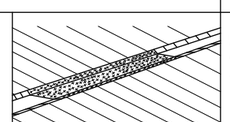
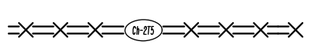
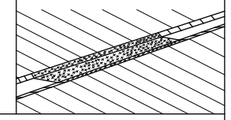
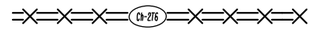
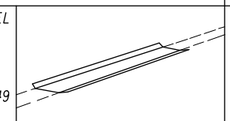
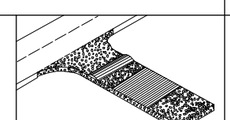
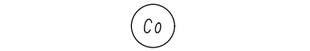
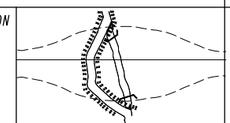
| CHECKED: | D. EAGLETON | DATE: | 01/01/16 | DRAWING No. |
| BACKCHECKED: | | DATE: | | 52-0002 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Ch-2T1 | TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711 |  LINE CODE   | THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-2 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.<br><br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |
| Ch-2T2 | TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711 |  LINE CODE   | THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-4 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.<br><br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |
| Ch-2T3 | TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711 |  LINE CODE   | THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-6 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.<br><br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |
| Ch-2T4 | TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711 |  LINE CODE   | THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-8 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.<br><br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |
| Ch-2T5 | TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711 |  LINE CODE   | THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-10 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.<br><br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Ch-2T6 | TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711 |  LINE CODE   | THIS THREE DIMENSIONAL EROSION CONTROL MAT IS USED IN CONJUNCTION WITH PERMANENT VEGETATION IN CHANNELS TO STABILIZE THE SOIL BY REINFORCING THE GRASS ROOTS TO PROVIDE LONG-TERM PROTECTION FOR SHEAR STRESSES 0-12 psf. THE TRM SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.<br><br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. |
| Ch-3 | CONCRETE CHANNEL STABILIZATION<br><br>CONSTRUCTION DETAIL D-10, D-49 SECTION 441 |  LINE CODE | CHANNELS ARE LINED WITH CONCRETE FOR VELOCITIES >/= 10 fps. THIS ITEM CONSISTS OF CONSTRUCTING A 4" THICK CONCRETE CHANNEL. THE CONCRETE SHALL PROTECT THE CHANNEL FLOWING TO A DEPTH "Dp" RECOMMENDED BY THE GDOT CHANNEL LINING PROGRAM.<br><br>"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.<br><br>RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS. |
| Co | CONSTRUCTION EXIT<br><br>CONSTRUCTION DETAIL D-41 SECTION 163, 800 |  SYMBOL   | A CONSTRUCTION EXIT IS A STONE STABILIZED PAD THAT REDUCES OR ELIMINATES THE TRANSPORT OF MUD FROM CONSTRUCTION AREAS ONTO PUBLIC ROADS BY EQUIPMENT OR RUNOFF. BEST USED AT ACCESS POINTS, i.e. NEW LOCATION PROJECTS, BORROW PITS, WASTE PITS, ACCESS ROADS, ETC. SHOULD BE MINIMUM 20' WIDE, 50' LONG, 6" THICK, AND REQUIRES A GEOTEXTILE UNDERLINER. ON SITES WHERE THE GRADE TOWARD A PAVED AREA IS GREATER THAN 2%, A FULL WIDTH DIVERSION RIDGE 6" TO 8" HIGH WITH 3:1 SLOPES SHALL BE CONSTRUCTED APPROXIMATELY 15' UPSTREAM OF PAVED AREA. A TIRE WASHING AREA TO REMOVE MUD MAY ALSO BE REQUIRED PRIOR TO ENTRANCE ONTO PUBLIC ROADWAYS.<br><br>ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT. |
| Dc-A | STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM<br><br>SECTION 163 |  LINE CODE | A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE OR POLYETHYLENE FILM. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 0 - 2.5 fps.<br><br>THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE.<br><br>CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE. |

## NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

| REVISION DATES |
|---|
| 3/2/2017 |

**EROSION CONTROL LEGEND**

UNIFORM CODE SHEET

SHEET 3 OF 7

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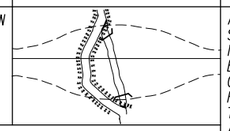
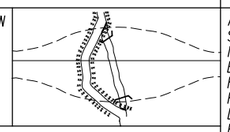
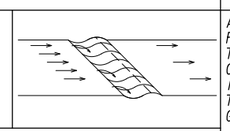
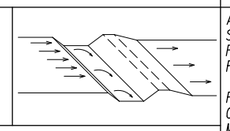
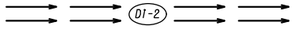
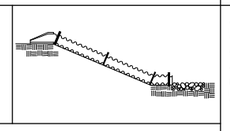
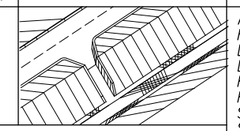
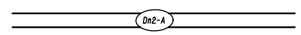
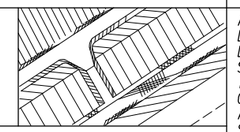
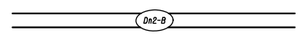
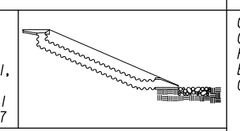
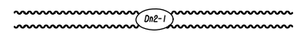
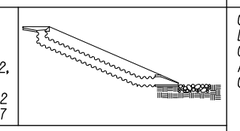
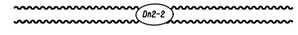
|---|---|---|---|---|
| CHECKED: | D. EAGLETON | DATE: | 01/01/16 | DRAWING No. |
| BACKCHECKED: | | DATE: | | 52-0003 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Dc-B | STREAM DIVERSION CHANNEL GEOTEXTILE ONLY<br>SECTION 163 |  <br>LINE CODE<br> | A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 2.5 - 9.0 fps.<br><br>THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE.<br><br>CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE. |
| Dc-C | STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE<br>SECTION 163 |  <br>LINE CODE<br> | A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH RIP-RAP AND GEOTEXTILE. INSTALL TWO ROWS OF Sdl-S PARALLEL TO THE CHANNEL TO PREVENT SEDIMENT LADEN RUNOFF FROM ENTERING THE STREAM. THE SIZE OF THE CHANNEL WILL DEPEND ON THE DISCHARGE, CHANNEL GEOMETRY, CHANNEL SLOPE AND ROUGHNESS. IT IS ACCEPTABLE FOR VELOCITIES BETWEEN 9.0 - 13.0 fps.<br><br>THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE.<br><br>CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE. |
| Dl-1 | DIVERSION BERM<br>CONSTRUCTION DETAIL D-47 SECTION 205 |  <br>LINE CODE<br> | A NON-DESIGNED TEMPORARY EARTHEN BERM WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO BE USED AT THE EDGE OF EMBANKMENT DURING THE GRADING OPERATION. THE BERMS ARE ALSO CONSTRUCTED ABOVE, ACROSS OR BELOW A SLOPE TO REDUCE THE LENGTH OF A SLOPE. THEY ARE USED TO INTERCEPT RUNOFF, PREVENTING SLOPE EROSION AND TO DIRECT THE RUNOFF TO A STABLE OUTLET, DOWN DRAINS "Dnl"OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS. |
| Dl-2 | DIVERSION CHANNEL<br>SECTION 205 |  <br>LINE CODE<br>  | A DESIGNED TEMPORARY OR PERMANENT CHANNEL WITH A COMPACTED SUPPORTING RIDGE ON THE LOWER SIDE TO DIVERT OFFSITE RUNOFF AWAY FROM DISTURBED AREAS WITHIN THE PROJECT AREA. CHANNEL FOR OFFSITE RUNOFF SHALL BE STABILIZED WITH APPROPRIATE CHANNEL STABILIZATION.<br><br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. A DIVERSION CHANNEL DETAIL MUST ALSO BE PROVIDED IN THE ESPCP.<br><br>RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION. |
| Dnl | TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163 |  <br>LINE CODE<br> | A TEMPORARY PIPE SLOPE DRAIN IS A PLASTIC FLEXIBLE PIPE TO CARRY WATER FROM THE WORK AREA TO A LOWER ELEVATION. TEMPORARY SLOPE DRAINS SHOULD BE PLACED AT INTERVALS OF 350 FEET ON 0% - 2% GRADES, 200 FEET ON STEEPER GRADES AND MORE FREQUENTLY AS DICTATED BY FIELD CONDITIONS. THE TYPICAL PIPE SIZE IS A CORRUGATED 10". THE PIPE WILL BE ANCHORED WITH STAKES AT INTERVALS NOT TO EXCEED 10'.<br><br>THE OUTLET AREA SHALL BE STABILIZED FOR VELOCITY DISSIPATION AND EROSION CONTROL. |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Dn2-A | PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441 |  <br>LINE CODE<br>  | A CONCRETE FLUME TYPE "A" IS USED TO DIRECT SURFACE RUNOFF DOWN A ROADWAY SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN ALL DEPRESSED AREAS WHERE WATER WILL FLOW DOWN THE SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OTHER CRITERIA). |
| Dn2-B | PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441 |  <br>LINE CODE<br>  | A CONCRETE FLUME TYPE "B" IS USED TO DIRECT SURFACE DITCH RUNOFF DOWN A BACK SLOPE INTO ANOTHER FORM OF CONTROL. IT IS USED IN DEPRESSED AREAS WHERE CONCENTRATED OFFSITE WATER REACHES THE CUT SLOPE. IT IS DESIGNED TO SAFELY CONVEY WATER DOWN THE CUT SLOPE. IT IS DESIGNED FOR A 25-YEAR STORM AND MUST HAVE SOME FORM OF OUTLET PROTECTION. ADDITIONAL LABELING IS NOT REQUIRED IF SHOWN AS A PERMANENT DRAINAGE STRUCTURE ON THE CONSTRUCTION PLANS. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA). |
| Dn2-1 | PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577 |  <br>LINE CODE<br>  | CONCRETE DRAIN INLET WITH METAL PIPE IS USED TO DRAIN CURBS, ON A GRADE, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA). |
| Dn2-2 | PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577 |  <br>LINE CODE<br>  | CONCRETE DRAIN INLET AND METAL PIPE IS USED TO DRAIN CURB, IN A SAG, DOWN TO A LOWER ELEVATION. THIS IS A PERMANENT STRUCTURE, REQUIRING OUTLET PROTECTION, TEMPORARY AND PERMANENT. INLETS SHALL BE SPACED ACCORDING TO GDOT GUIDELINES (REGARDING GUTTER SPREAD AND OR OTHER CRITERIA). |

## NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

| REVISION DATES |
|---|
| 3/2/2017 |

**EROSION CONTROL LEGEND**

UNIFORM CODE SHEET

SHEET 4 OF 7

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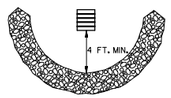
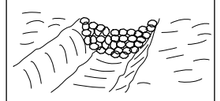
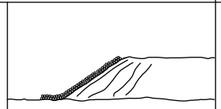
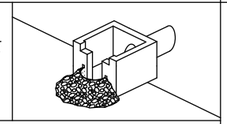
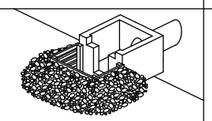
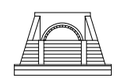
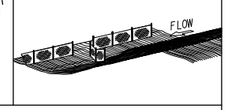
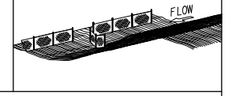
|---|---|---|---|---|
| CHECKED: | D. EAGLETON | DATE: | 01/01/16 | DRAWING No. |
| BACKCHECKED: | | DATE: | | 52-0004 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Fr | FILTER RING<br>CONSTRUCTION DETAIL D-46 SECTION 163 |  <br>SYMBOL: Fr | A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA.<br><br>REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR ADDITIONAL INFORMATION ON USAGE. |
| Rd | ROCK FILTER DAM<br>CONSTRUCTION DETAIL D-43 SECTION 163, 603 |  <br>SYMBOL: Rd | ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGEWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS.<br><br>THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS.<br><br>ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs. |
| Rd-B | STONE FILTER BERM<br>CONSTRUCTION DETAIL D-50 SECTION 163, 603 | <br>LINE CODE: —A——A——A—(Rd-B)—A——A——A— | STONE FILTER BERMS ARE CONSTRUCTED SIMILAR TO ROCK FILTER DAMS FOR A LINEAR APPLICATION. THEY ARE CONSTRUCTED OF TYPE-3 STONE RIP-RAP FACED WITH #57 STONE ON THE UPSTREAM SIDE. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING STONE FILTER BERMS.<br><br>STONE FILTER BERMS ARE IDEAL ALONG THE PERIMETER FOR SHEET FLOW AND/OR SHALLOW CONCENTRATED FLOW TO A COMMON LOW AREA WHERE PERIMETER SILT FENCE ALONE MAY BE INSUFFICIENT. THERE IS NO WELL-DEFINED CHANNEL FOR A STANDARD ROCK FILTER DAM, AND/OR CONSTRUCTING A ROCK OUTLET TEMPORARY SEDIMENT TRAP IS NOT APPLICABLE. |
| Rp | RIP-RAP<br>SECTION 603 |  <br>PATTERN: Rp | RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-I SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS.<br><br>RIP-RAP MAY ALSO BE USED AT DRAINAGE STRUCTURE OUTLETS WITHIN THE RIGHT-OF-WAY. HOWEVER, APPROPRIATE OUTLET PROTECTION SHOULD BE PROVIDED AT OUTFALLS. REFER TO STORM DRAIN OUTLET PROTECTION FOR ADDITIONAL INFORMATION ON USING RIP-RAP AT OUTFALLS. |
| Rt-P | RETROFITTING PERFORATED HALF-ROUND PIPE<br>CONSTRUCTION DETAIL D-44 SECTION 163 |  <br>SYMBOL: Rt-P | A PERFORATED HALF-ROUND PIPE WITH STONE FILTER PLACED IN FRONT OF A PERMANENT STORMWATER DETENTION POND OUTLET STRUCTURE TO SERVE AS A TEMPORARY SEDIMENT FILTER.<br><br>SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA.<br><br>SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA.<br><br>REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR DESIGN CRITERIA. |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Rt-B | RETROFITTING SLOTTED BOARD DAM<br>CONSTRUCTION DETAIL D-45 SECTION 163 |  <br>SYMBOL: Rt-B | A SLOTTED BOARD DAM CONSISTS OF STONE AND/OR FILTER FABRIC AND BOARDS WITH 0.5" - 1.0" SPACING TO SERVE AS A TEMPORARY SEDIMENT FILTER.<br>PERMANENT STORMWATER DETENTION POND OUTLET:<br>-DRAINAGE AREA UP TO 100 ACRES<br>-DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA<br><br>ROADWAY DRAINAGE STRUCTURE:<br>-OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES<br><br>REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR DESIGN CRITERIA. |
| Rt-Sg1<br>Rt-Sg2<br>Rt-Sg3 | RETROFITTING SILT CONTROL GATES<br>CONSTRUCTION DETAIL D-20 SECTION 163 |  <br>SYMBOL: Rt-Sg1 Rt-Sg2 Rt-Sg3 | A SILT CONTROL GATE CONSISTS OF BOARDS WITHOUT SPACING AND FILTER FABRIC TO BE USED FOR TEMPORARY SEDIMENT STORAGE ON ROADWAY PROJECTS AT THE INLET OF STRUCTURES WITH A DRAINAGE AREA UP TO 50 ACRES. THE DISTURBED AREA WITHIN THE DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. SILT CONTROL GATES SHOULD NOT BE USED ALONE, BUT WITH ANOTHER BMP DOWNSTREAM PRIOR TO DISCHARGE LEAVING PROJECT AREA.<br><br>DO NOT USE SILT GATES IN STATE WATERS.<br><br>Rt-Sg1=TYPE 1: USED ON BOX CULVERTS<br>Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS<br>Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS |
| Sdi-NS | SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A<br>CONSTRUCTION DETAIL D-24 SECTION 171 |  <br>LINE CODE: —A——A——A—(Sdi-NS)—A——A——A— | SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW.<br><br>TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'.<br><br>IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE. |
| Sdi-S | SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C<br>CONSTRUCTION DETAIL D-24 SECTION 171 |  <br>LINE CODE: —C——C——C—(Sdi-S)—C——C——C— | SEDIMENT BARRIERS MINIMIZE AND PREVENT SEDIMENT CARRIED BY SHEET FLOW FROM LEAVING THE PROJECT AREA BY CAUSING DEPOSITION AND/OR FILTRATION OF SEDIMENT. SILT FENCE USED AS PERIMETER CONTROL SHALL NOT BE INSTALLED ACROSS CONCENTRATED FLOW.<br><br>TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER.<br><br>ALL ENVIRONMENTALLY SENSITIVE AREAS (ESAs) SHALL BE PROTECTED WITH A DOUBLE-ROW OF TYPE-C SILT FENCE REGARDLESS OF FILL HEIGHT. A SINGLE-ROW MAY BE USED FOR OTHER APPLICATIONS.<br><br>IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE. |

## NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA'.

GDOT

NO SCALE

| REVISION DATES | | |
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| 3/2/2017 | | |
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**EROSION CONTROL LEGEND**

UNIFORM CODE SHEET

SHEET 5 OF 7

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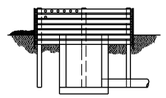
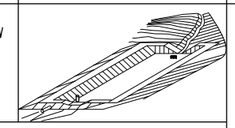
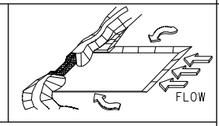
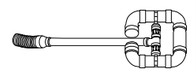
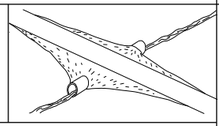
| CHECKED: | D. EAGLETON | DATE: | 01/01/16 | DRAWING No. |
| BACKCHECKED: | | DATE: | | 52-0005 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Sd1-BB | SEDIMENT BARRIER BRUSH BARRIER<br>CONSTRUCTION DETAIL D-24B SECTION 201 | <br>LINE CODE<br>* * * Sd1-BB * * * | THIS ITEM CONSISTS OF INTERMINGLED BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM. CONSTRUCTED AT THE TOE OF FILL SLOPES ONLY DURING THE CLEARING AND GRUBBING OPERATION. THE BARRIER SHOULD BE USED AT THE TOE OF FILL SLOPES ON GRADING PROJECTS IN RURAL AREAS WHERE SUFFICIENT RIGHT OF WAY OR EASEMENT IS AVAILABLE (10 FEET OR MORE). THE BARRIER SHOULD RUN ROUGHLY PERPENDICULAR TO THE FLOW OF WATER WHERE THIS DOES NOT CONFLICT WITH RIGHT-OF-WAY OR EASEMENT LIMITS. THEY WILL NOT BE PLACED IN WETLANDS.<br>TYPICALLY NOT SHOWN ON PLANS.<br>PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE. |
| Sd2-B | INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163 |  <br>SYMBOL<br>Sd2-B | BAFFLE BOX INLET SEDIMENT TRAP USED FOR INLETS RECEIVING HIGH FLOW RATE AND/OR VELOCITY. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES 7 cfs AND GREATER. |
| Sd2-Bg | INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163 | <br>SYMBOL<br>Sd2-Bg | BLOCK AND GRAVEL DROP INLET PROTECTION USED FOR WHERE HEAVY FLOWS ARE EXPECTED AND WHERE OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE. CAN BE USED AT CULVERT INLETS. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 5 - 7 cfs. |
| Sd2-F | INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163 | <br>(a) OR (b) OR (c)<br>SYMBOL<br>Sd2-F | (a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN.<br>(b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN.<br>(c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%.<br>THIS ITEM IS USED TO PREVENT SILT FROM ENTERING THE PIPE SYSTEM. SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS. RECOMMENDED FOR INLET RECEIVING FLOW RATES THAT RANGE FROM 0 - 4 cfs. |
| Sd2-G | INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163 | <br>SYMBOL<br>Sd2-G | GRAVEL DROP INLET PROTECTION USED WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED. STONE AND GRAVEL ARE USED TO TRAP SEDIMENT. THE SLOPE TOWARD THE INLET SHALL BE NO MORE THAN 3:1. A GUIDE FOR USE WILL BE FOR AN INLET RECEIVING FLOW RATES THAT RANGE FROM 3 - 5 cfs. |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| Sd3 | TEMPORARY SEDIMENT BASIN<br>CONSTRUCTION DETAIL D-22A, D-22B SECTION 163 |  <br>SYMBOL<br>Sd3 | A BASIN CREATED BY EXCAVATING AN AREA, DAMMING CONCENTRATED FLOW, OR A COMBINATION OF BOTH. THE BASIN IS DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DRAINAGE AREA. THE DRAINAGE AREA SHOULD NOT EXCEED 150 ACRES. BASINS TYPICALLY CONSISTS OF A DAM, PRINCIPAL SPILLWAY, AND AN EMERGENCY SPILLWAY. A FLOATING SURFACE SKIMMER SHALL BE REQUIRED AS PART OF THE PRINCIPAL SPILLWAY UNLESS INFEASIBLE. SUFFICIENT RIGHT-OF-WAY OR EASEMENT IS NEEDED FOR BASIN CONSTRUCTION AND MAINTENANCE ACCESS.<br>SEDIMENT BASINS SHALL BE CONSIDERED ON ALL PROJECTS, BUT MAY NOT BE PRACTICAL. BASINS SHOULD BE LOCATED TO MINIMIZE INTERFERENCE WITH CONSTRUCTION ACTIVITIES AND UTILITIES. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. |
| Sd4-C | ROCK OUTLET TEMPORARY SEDIMENT TRAP<br>CONSTRUCTION DETAIL D-53 SECTION 163 |  <br>FLOW<br>SYMBOL<br>Sd4-C | TEMPORARY POND WITH ROCK OUTLET DESIGNED TO STORE 67 CUBIC YARDS OF SEDIMENT PER DRAINAGE AREA. DRAINAGE AREA SHALL NOT EXCEED 5 ACRES. DISTINGUISHED FROM TEMPORARY SEDIMENT BASIN BY LACK OF PRINCIPAL SPILLWAY. MAXIMUM POND DEPTH FROM BOTTOM OF POND TO EMERGENCY SPILLWAY IS 4 FEET.<br>A TEMPORARY SEDIMENT BASIN SHALL BE EVALUATED PRIOR TO CONSIDERING A TEMPORARY SEDIMENT TRAP. A TEMPORARY SEDIMENT TRAP IS IDEAL FOR SMALL AREAS WITH NO UNUSUAL DRAINAGE FEATURES AND EFFECTIVE AGAINST COARSE SEDIMENT, BUT NOT AGAINST SILT OR CLAY PARTICLES THAT REMAIN SUSPENDED.<br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA. |
| Sk | FLOATING SURFACE SKIMMER<br>CONSTRUCTION DETAIL D-22A, D-22B SECTION 163 |  <br>SYMBOL<br>Sk | A BUOYANT DEVICE THAT DRAINS WATER FROM THE SURFACE OF A TEMPORARY SEDIMENT BASIN AT A CONTROLLED FLOW RATE. THE INLET/ORIFICE SIZE IS DESIGNED TO DRAIN THE BASIN WITHIN 24 - 48 HOURS. THE SKIMMER INFORMATION SHALL BE PROVIDED IN CONJUNCTION WITH THE SEDIMENT BASIN INFORMATION IN PLANS. IF A SKIMMER IS INFEASIBLE, THE DESIGNER SHALL PROVIDE A WRITTEN JUSTIFICATION IN THE PLANS.<br>SKIMMERS ARE ATTACHED TO A RISER WITHOUT PERFORATIONS AND ACTS AS THE PRIMARY SPILLWAY. THE SKIMMER BMP SYMBOL SHALL BE SHOWN IN CONJUNCTION WITH THE TEMPORARY SEDIMENT BASIN BMP SYMBOL WHEN APPLICABLE.<br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION. |
| Sr | TEMPORARY STREAM CROSSING<br>SECTION 107 |  <br>SYMBOL<br>Sr | A TEMPORARY STRUCTURE INSTALLED ACROSS A FLOWING STREAM OR WATERCOURSE FOR USE BY CONSTRUCTION EQUIPMENT. THIS BMP PROVIDES A MEANS TO CROSS STREAMS OR WATERCOURSES WITHOUT MOVING SEDIMENT INTO STREAMS, DAMAGING THE STREAM BED OR CHANNEL, OR CAUSING FLOODING. THIS BMP SHOULD NOT BE USED ON STREAMS WITH DRAINAGE AREAS GREATER THAN ONE SQUARE MILE, UNLESS SPECIFICALLY DESIGNED TO ACCOMMODATE THE ADDITIONAL DRAINAGE AREA BY THE DESIGN PROFESSIONAL. A CERTIFICATION STATEMENT AND SIGNATURE SHALL ACCOMPANY THE DESIGN.<br>THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".<br>FOR CONTRACTOR'S USE ONLY! |

## NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

NO SCALE

| REVISION DATES |
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| 3/2/2017 |
| 11/28/2018 |

**EROSION CONTROL LEGEND**
UNIFORM CODE SHEET
SHEET 6 OF 7

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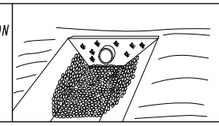
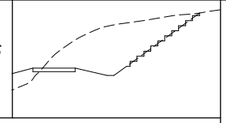
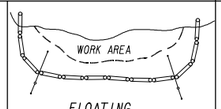
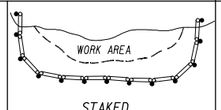
| CHECKED: | D. EAGLETON | DATE: | 01/01/16 |
| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No. 52-0006

7/31/2015 GPLN

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
|---|---|---|---|
| St | STORM DRAIN OUTLET PROTECTION<br><br>GA. STD. 1125 & 2332 | <br>SYMBOL<br>St | A PIPE OR BOX CULVERT OUTLET HEADWALL WITH AN APRON AND DISSIPATOR BLOCKS IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM.<br><br>IT IS USED ON THE OUTLET OF ALL BOX CULVERTS AND ON 48" AND LARGER PIPES. MAY BE USED ON INLET FOR FLOWING STREAMS. USE ON SMALL PIPES WHEN OUTLET VELOCITY OF THE 25-YEAR STORM IS 12 fps AND GREATER. |
| St-Rp | STORM DRAIN OUTLET PROTECTION (RIP-RAP)<br><br>CONSTRUCTION DETAIL D-55 SECTION 603 |  <br>PATTERN<br>FLAT AREA St-Rp OR St-Rp WELL-DEFINED CHANNEL | RIP-RAP OUTLET PROTECTION IS USED TO REDUCE VELOCITY AT THE OUTLET OF A PIPE, CHANNEL, OR STRUCTURE PRIOR TO ENTERING AN EXISTING STREAM OR PUBLICLY MAINTAINED DRAINAGE SYSTEM. THE MINIMUM DESIGN OF RIP-RAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM PEAK FLOW, BUT LARGER STORMS ARE RECOMMENDED.<br><br>TYPE-I RIP-RAP AT A DEPTH OF 36" AND PLACED ON FILTER FABRIC IS PREFERRED FOR ALL d50 </= 1.2 FEET. TYPE-3 RIP-RAP AT A DEPTH OF 18" AND PLACED ON FILTER FABRIC MAY BE USED FOR d50 </= 0.7 FEET.<br><br>REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR REQUIRED DESIGN DIMENSIONS AND OTHER INFORMATION TO BE INCLUDED IN THE PLANS. |
| Su | SURFACE ROUGHENING SERRATED SLOPES CONSTRUCTION DETAIL S-7 SECTION 205 |  <br>LINE CODE<br>Su | PROVIDING A ROUGH SOIL SURFACE WITH HORIZONTAL DEPRESSIONS, BY OPERATING A CLEATED DOZER ON THE SLOPE IN A VERTICAL DIRECTION. CREATING SERRATED SLOPES IN THE GRADING PROCESS TO CONSTRUCT BENCHES WILL REDUCE RUNOFF VELOCITY AND INCREASE INFILTRATION OF WATER.<br><br>IN MOST CASES THIS BMP IS NOT REQUIRED TO BE SHOWN ON THE PLANS, BUT REQUIRED TO BE COMPLETED BY THE CONTRACTOR UNDER ALL PROJECTS.<br><br>IF SERRATED SLOPES ARE SPECIFIED BY THE SOIL SURVEY, THEN THIS BMP SHALL BE SHOWN ON THE PLANS WHERE SERRATED SLOPES ARE TO BE USED. |
| Tc-F | TURBIDITY CURTAIN FLOATING<br><br>CONSTRUCTION DETAIL D-51 SECTION 170 |  <br>WORK AREA<br>FLOATING<br>LINE CODE<br>Tc-F | A FLOATING TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED WHERE CONSTRUCTION IS REQUIRED IN A LARGE BODY OF WATER SUCH AS LAKES AND RIVERS. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER.<br><br>THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs.<br><br>IT MAY ALSO BE REFERRED TO AS A FLOATING BOOM, SILT BARRIER, OR SILT CURTAIN. |
| Tc-S | TURBIDITY CURTAIN STAKED<br><br>CONSTRUCTION DETAIL D-51 SECTION 170 |  <br>WORK AREA<br>STAKED<br>LINE CODE<br>Tc-S | A STAKED TURBIDITY CURTAIN IS USED TO PREVENT SEDIMENT FROM MOVING IN WATER BY ALLOWING IT TO DROP OUT OF SUSPENSION AND REMAIN WITHIN THE CONSTRUCTION AREA. IT IS TYPICALLY USED IN SHALLOW INUNDATED AREAS. IT MAY BE USED TO PROTECT A SMALL STREAM BEING REALIGNED OR RESTORED. IN THIS CASE, CURTAIN SHOULD EXTEND TO BOTTOM OF STREAMBED. THE HEIGHT SHOULD BE LIMITED TO 5 FEET UNLESS DIRECTED AND EXTEND 2 FEET ABOVE NORMAL WATER ELEVATION. IT SHOULD BE USED AS DIRECTED BY THE ENGINEER.<br><br>THIS BMP IS ONLY TO BE USED WHEN PERMITTED FILL IS BEING PLACED INTO A STATE WATER, OR AS A SUPPLEMENT TO ADEQUATELY PLACED PERIMETER BMPs.<br><br>IT MAY BE REFERRED TO AS A SILT BARRIER OR SILT CURTAIN. |

| CODE | PRACTICE STD OR DETAIL SPEC. SECT. | DETAIL | DESCRIPTION |
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## NOTE:

1. DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
2. FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

GDOT

NO SCALE

| REVISION DATES |
|---|
| 3/2/2017 |

**EROSION CONTROL LEGEND**

UNIFORM CODE SHEET

SHEET 7 OF 7

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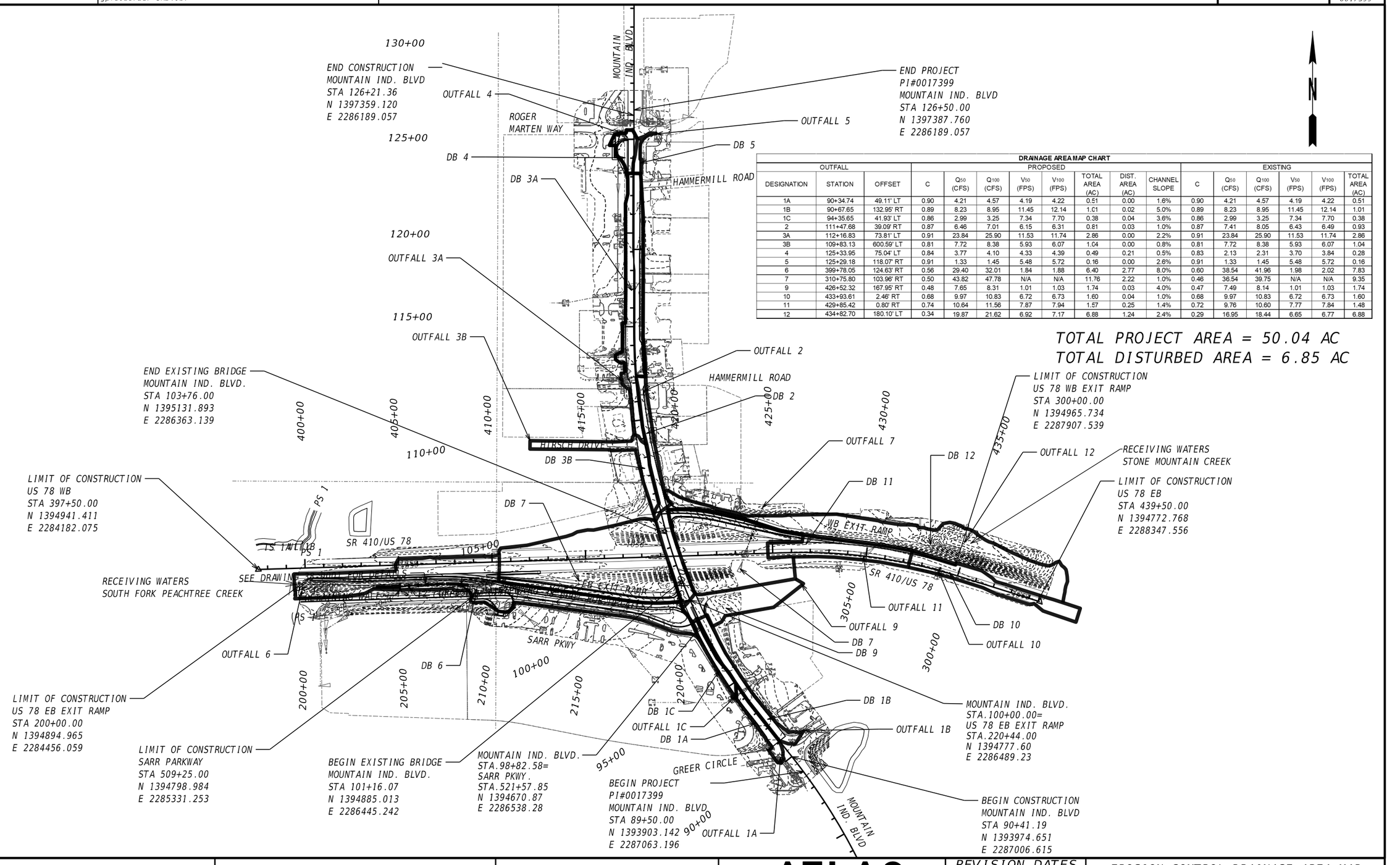
| CHECKED: | D. EAGLETON | DATE: | 01/01/16 | DRAWING No. |
| BACKCHECKED: | | DATE: | | 52-0007 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

7/31/2015 GPLN




**DRAINAGE AREA MAP CHART**

| OUTFALL | | | PROPOSED | | | | | | | | EXISTING | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DESIGNATION | STATION | OFFSET | C | $Q_{50}$ (CFS) | $Q_{100}$ (CFS) | $V_{50}$ (FPS) | $V_{100}$ (FPS) | TOTAL AREA (AC) | DIST. AREA (AC) | CHANNEL SLOPE | C | $Q_{50}$ (CFS) | $Q_{100}$ (CFS) | $V_{50}$ (FPS) | $V_{100}$ (FPS) | TOTAL AREA (AC) |
| 1A | 90+34.74 | 49.11' LT | 0.90 | 4.21 | 4.57 | 4.19 | 4.22 | 0.51 | 0.00 | 1.6% | 0.90 | 4.21 | 4.57 | 4.19 | 4.22 | 0.51 |
| 1B | 90+67.65 | 132.95' RT | 0.89 | 8.23 | 8.95 | 11.45 | 12.14 | 1.01 | 0.02 | 5.0% | 0.89 | 8.23 | 8.95 | 11.45 | 12.14 | 1.01 |
| 1C | 94+35.65 | 41.93' LT | 0.86 | 2.99 | 3.25 | 7.34 | 7.70 | 0.38 | 0.04 | 3.6% | 0.86 | 2.99 | 3.25 | 7.34 | 7.70 | 0.38 |
| 2 | 111+47.68 | 39.09' RT | 0.87 | 6.46 | 7.01 | 6.15 | 6.31 | 0.81 | 0.03 | 1.0% | 0.87 | 7.41 | 8.05 | 6.43 | 6.49 | 0.93 |
| 3A | 112+16.83 | 73.81' LT | 0.91 | 23.84 | 25.90 | 11.53 | 11.74 | 2.86 | 0.00 | 2.2% | 0.91 | 23.84 | 25.90 | 11.53 | 11.74 | 2.86 |
| 3B | 109+83.13 | 600.59' LT | 0.81 | 7.72 | 8.38 | 5.93 | 6.07 | 1.04 | 0.00 | 0.8% | 0.81 | 7.72 | 8.38 | 5.93 | 6.07 | 1.04 |
| 4 | 125+33.95 | 75.04' LT | 0.84 | 3.77 | 4.10 | 4.33 | 4.39 | 0.49 | 0.21 | 0.5% | 0.83 | 2.13 | 2.31 | 3.70 | 3.84 | 0.28 |
| 5 | 125+29.18 | 118.07' RT | 0.91 | 1.33 | 1.45 | 5.48 | 5.72 | 0.16 | 0.00 | 2.6% | 0.91 | 1.33 | 1.45 | 5.48 | 5.72 | 0.16 |
| 6 | 399+78.05 | 124.63' RT | 0.56 | 29.40 | 32.01 | 1.84 | 1.88 | 6.40 | 2.77 | 8.0% | 0.60 | 38.54 | 41.96 | 1.98 | 2.02 | 7.83 |
| 7 | 310+75.80 | 103.96' RT | 0.50 | 43.82 | 47.78 | N/A | N/A | 11.76 | 2.22 | 1.0% | 0.46 | 36.54 | 39.75 | N/A | N/A | 9.35 |
| 9 | 426+52.32 | 167.95' RT | 0.48 | 7.65 | 8.31 | 1.01 | 1.03 | 1.74 | 0.03 | 4.0% | 0.47 | 7.49 | 8.14 | 1.01 | 1.03 | 1.74 |
| 10 | 433+93.61 | 2.46' RT | 0.68 | 9.97 | 10.83 | 6.72 | 6.73 | 1.60 | 0.04 | 1.0% | 0.68 | 9.97 | 10.83 | 6.72 | 6.73 | 1.60 |
| 11 | 429+85.42 | 0.80' RT | 0.74 | 10.64 | 11.56 | 7.87 | 7.94 | 1.57 | 0.25 | 1.4% | 0.72 | 9.76 | 10.60 | 7.77 | 7.84 | 1.48 |
| 12 | 434+82.70 | 180.10' LT | 0.34 | 19.87 | 21.62 | 6.92 | 7.17 | 6.88 | 1.24 | 2.4% | 0.29 | 16.95 | 18.44 | 6.65 | 6.77 | 6.88 |

*TOTAL PROJECT AREA = 50.04 AC*
*TOTAL DISTURBED AREA = 6.85 AC*

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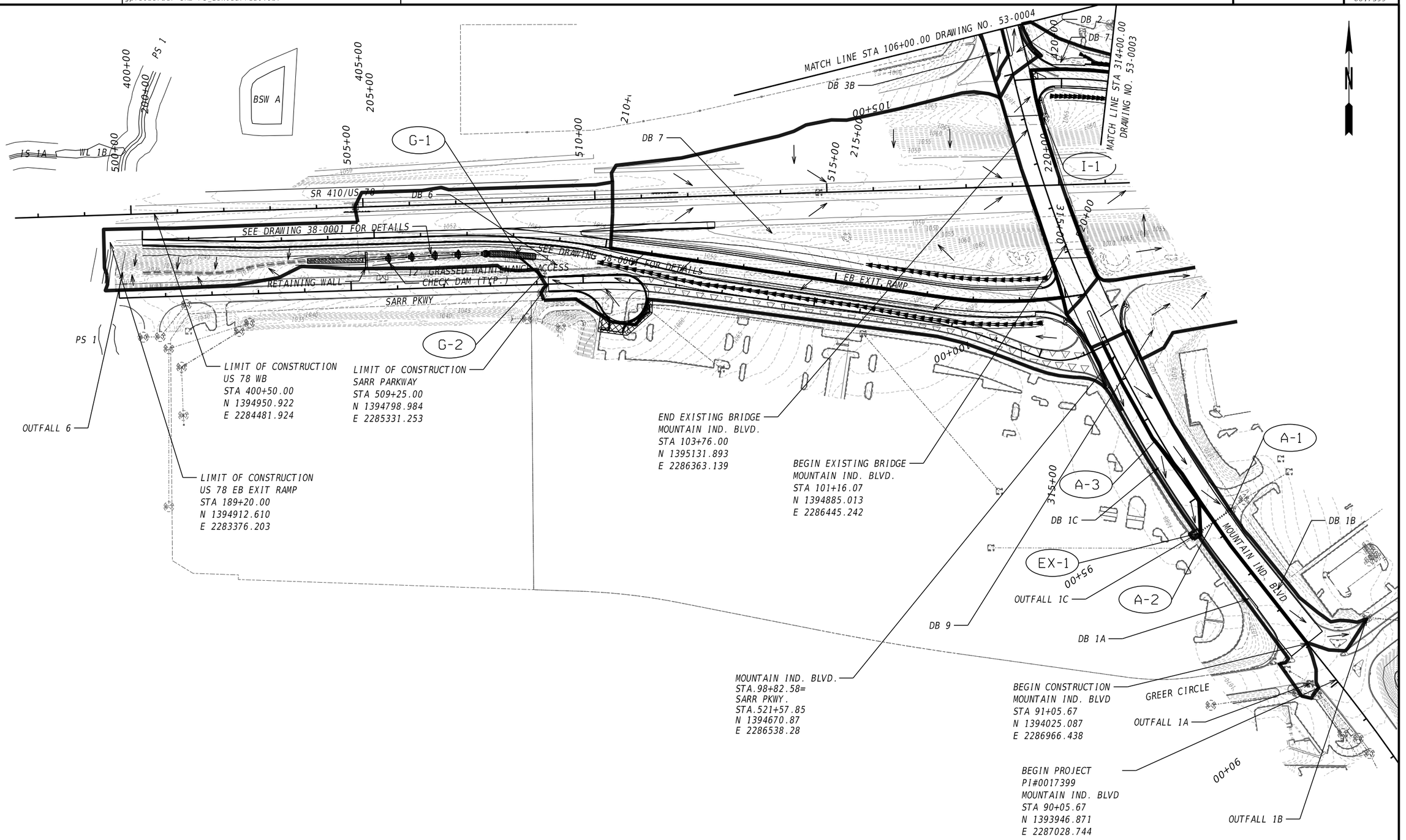
SCALE IN FEET
0 250 500 1000

REVISION DATES

# EROSION CONTROL DRAINAGE AREA MAP
## US 78 AT MOUNTAIN IND. BLVD
## CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 53-0001 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

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SCALE IN FEET
0 100 200 400

REVISION DATES

# EROSION CONTROL DRAINAGE AREA MAP
## US 78 AT MOUNTAIN IND. BLVD.
## CITY OF TUCKER

| | | | |
|---|---|---|---|
| CHECKED: | | DATE: | DRAWING No. |
| BACKCHECKED: | | DATE: | 53-0002 |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

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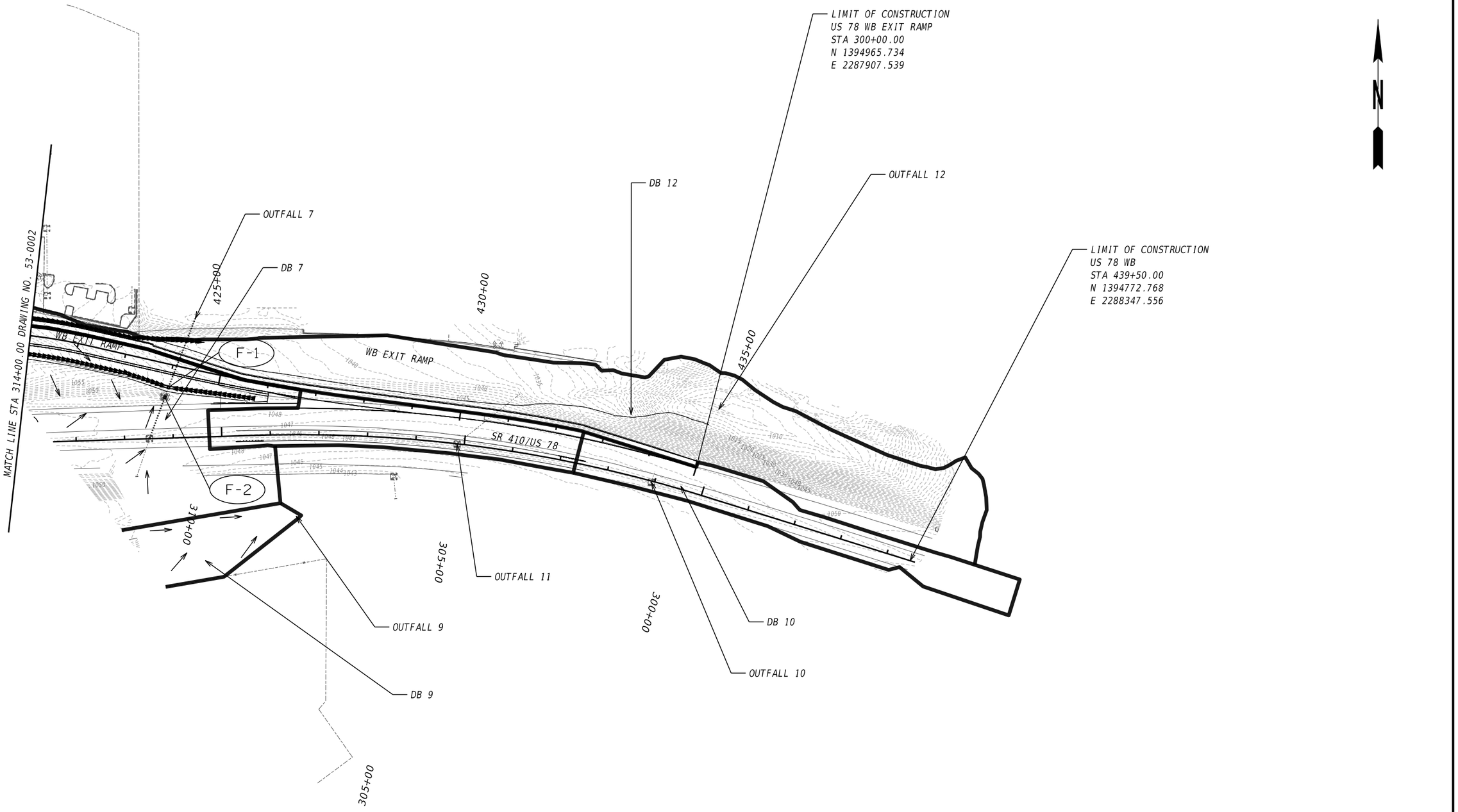
11/05/2020

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SCALE IN FEET
0 100 200 400

REVISION DATES

EROSION CONTROL DRAINAGE AREA MAP
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 53-0003 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

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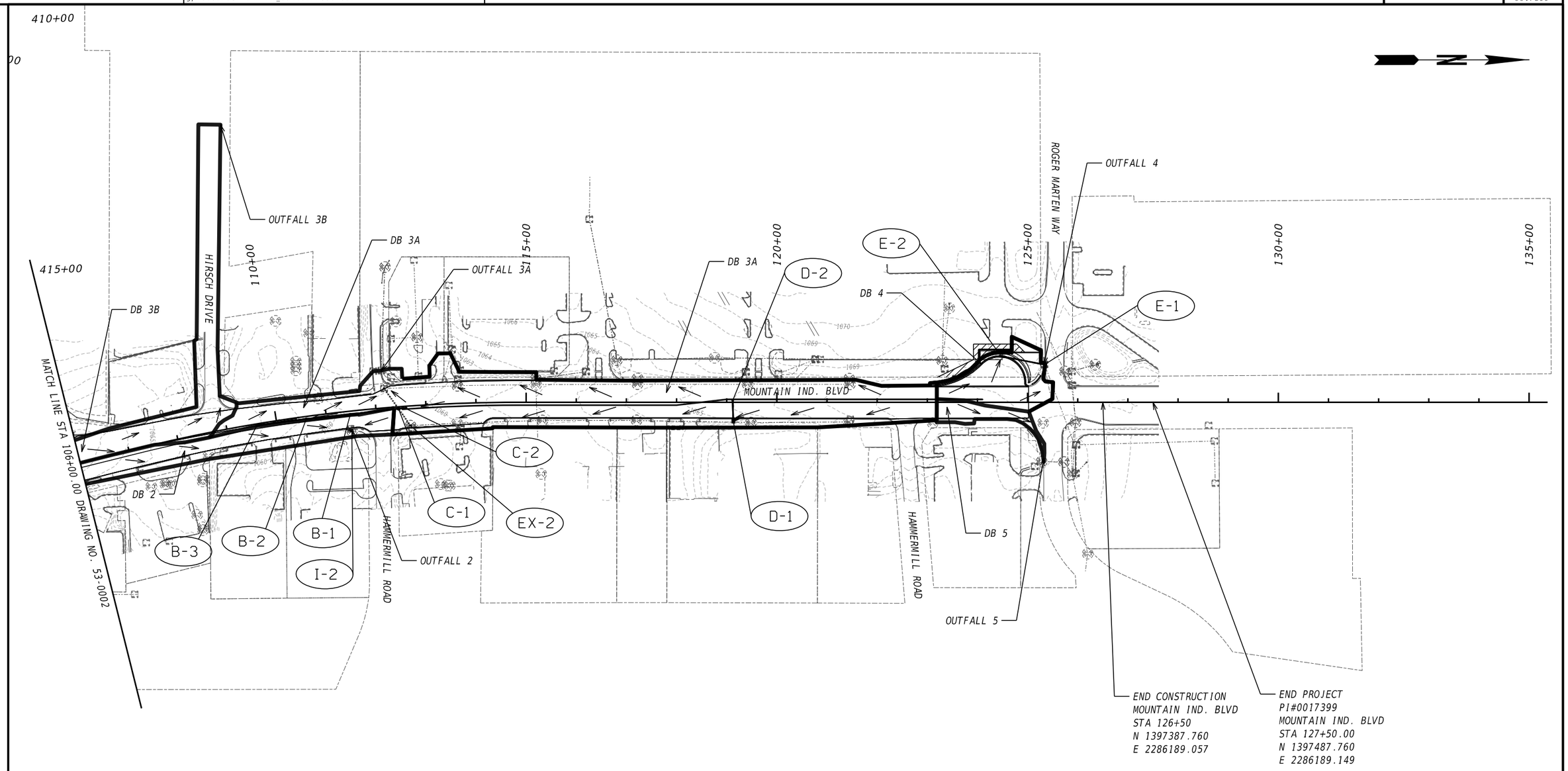



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SCALE IN FEET

0 100 200 400

REVISION DATES

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# DRAINAGE AREA MAP
## US 78 AT MOUNTAIN IND. BLVD.
## CITY OF TUCKER

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 53-0004 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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BEGIN PROJECT
PI#0017399
MOUNTAIN IND. BLVD
STA 89+50.00
N 1393903.142
E 2287063.196

BEGIN CONSTRUCTION
STA.90+41.19
N 1393974.651
E 2287006.615

PT 89+93.440

GREER CIRCLE

EXIST R/W

MOUNTAIN INDUSTRIAL BLVD

PC 92+68.753

Sd2-F

CONSTRUCTION SIGN

BSW B

MATCH LINE STA. 95+50.00 DRAWING No. 54-0002

90+00 91+00 92+00 93+00 94+00 95+00

1063 1064 1065 1066 1067 1068 1069 1070 1071 1072 1073 1075

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INITIAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0001 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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MATCH LINE STA. 95+50.00 DRAWING No. 54-0001

MATCH LINE STA. 219+00.00 DRAWING No. 54-0011

MATCH LINE STA. 101+50.00 DRAWING No. 54-0003

SARR PKWY

OBLITERATE PVMT GRADE TO DRAIN AND GRASS

PC 519+94.04

PI 520+54.33

PI 98+74.84

PT 521+07.90

520+00

521+00

96+00

97+00

98+00

99+00

100+00

101+00

220+00

PT 220+12.74

POE 521+57.85

POE 220+44.00

EXIST R/W

MOUNTAIN INDUSTRIAL BLVD

MOUNTAIN IND. BLVD.
STA.98+82.58=
SARR PKWY.
STA.521+57.85
N 1394670.873
E 2286538.282

MOUNTAIN IND. BLVD.
STA.100+00.00=
US 78 EB EXIT RAMP
STA.220+44.00
N 1394777.607
E 2286489.235

US 78 EB EXIT RAMP

US 78 EB ENTRANCE RAMP

EXIST R/W & L/A

1077 1076 1075 1074 1073 1072 1071 1070

Sd1-S Cd-F Sd1-S Sd1 Sd2-F Sd1-NS Sd1-NS Cd-F Cd-F Cd-F Cd-F

Ud Ud Ud

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INITIAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0002 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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11/05/2020

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## INITIAL PHASE

| | | | |
|---|---|---|---|
| CHECKED: | | DATE: | |
| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No.
54-0002A

GPLN-CE
11/05/2020

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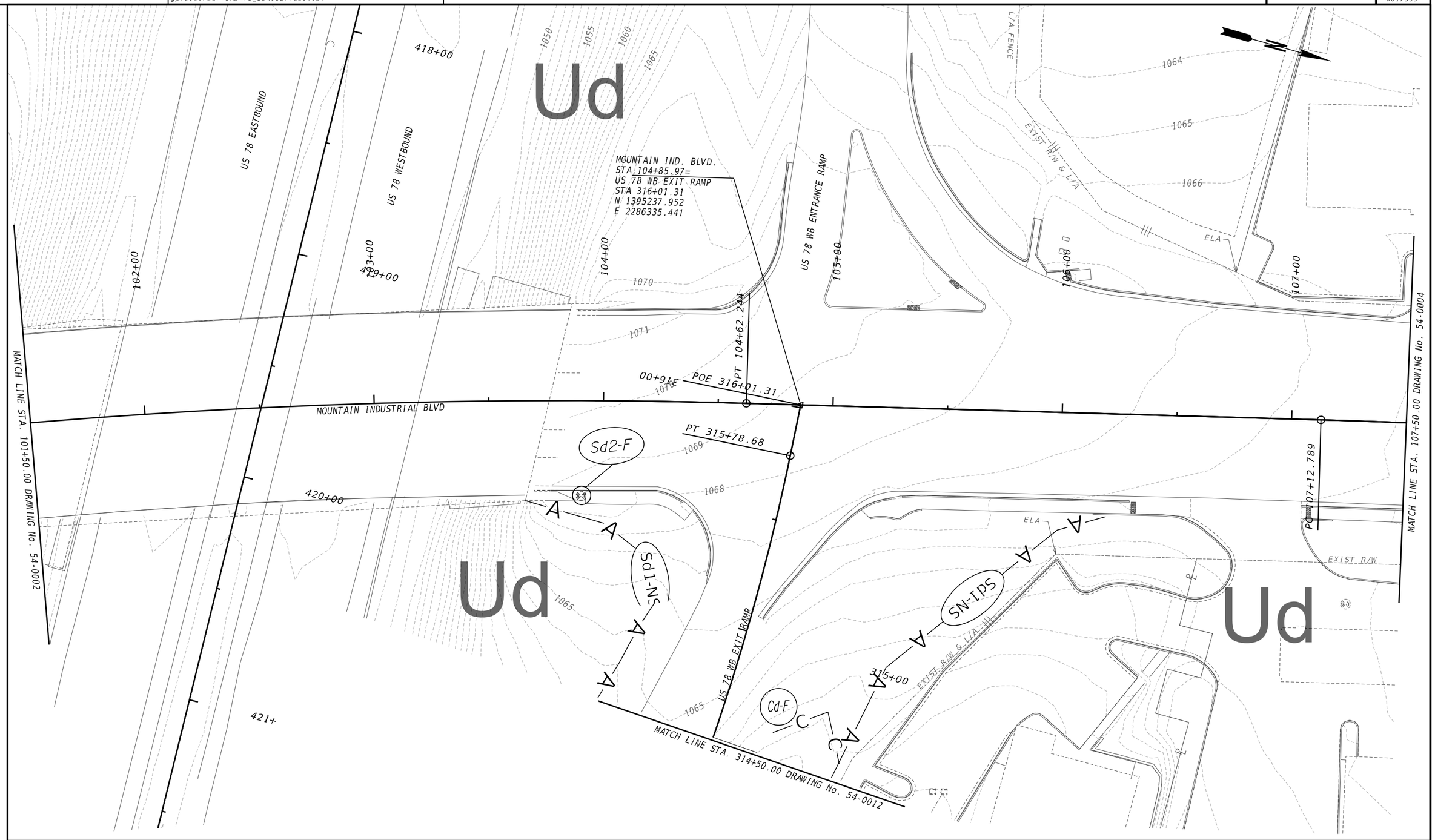


| | | | |
|---|---|---|---|
| PROPERTY AND EXISTING R/W LINE | ℄ | BEGIN LIMIT OF ACCESS.....BLA | |
| REQUIRED R/W LINE | | END LIMIT OF ACCESS.....ELA | |
| CONSTRUCTION LIMITS | — C — F — | EXISTING LIMIT OF ACCESS | — — ∞ — — |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | | REQ'D LIMIT OF ACCESS | ——— ∞ ——— |
| EASEMENT FOR CONSTR OF SLOPES | | EXISTING LIMIT OF ACCESS & R/W | ------\|\|------ |
| EASEMENT FOR CONSTR OF DRIVES | | REQ'D LIMIT OF ACCESS & R/W | ——\|\|—— |
| | | ORANGE BARRIER FENCE | |
| | | ESA - ENV. SENSITIVE AREA | |


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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# INITIAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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| VERIFIED: | | DATE: | | |

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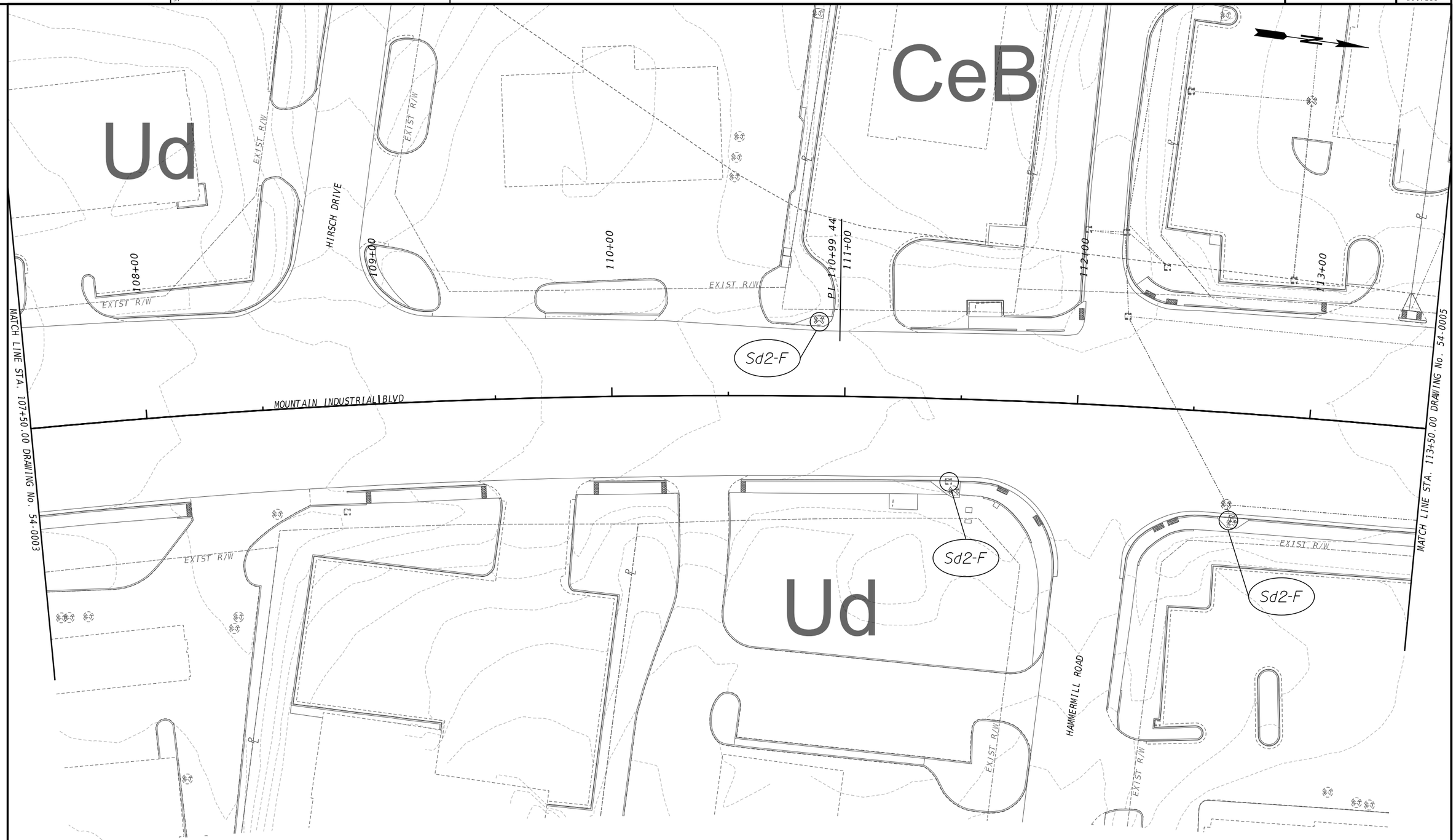


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# INITIAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0004 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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11/05/2020

CeB

CeB

Ud

Ud

N

114+00 115+00 116+00 117+00 118+00 119+00

EXIST R/W

Sd2-F Sd2-F Sd2-F Sd2-F Sd2-F

MOUNTAIN INDUSTRIAL BLVD

MATCH LINE STA. 113+50.00 DRAWING No. 54-0004

PT 114+82.241

EXIST R/W

MATCH LINE STA. 119+50.00 DRAWING No. 54-0006

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
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770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## INITIAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0005 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE 11/05/2020

CeB

Ud

N

REQD R/W

Sd2-F

EXIST R/W

C

Sd1-S

ELMDALE DRIVE

120+00 121+00 122+00 123+00 124+00 125+00

MOUNTAIN INDUSTRIAL BLVD

MATCH LINE STA. 119+50.00 DRAWING No. 54-0005

MATCH LINE STA. 125+50.00 DRAWING No. 54-0007

HAMMERMILL ROAD

ROGER MARTEN WAY

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INITIAL PHASE

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
54-0006

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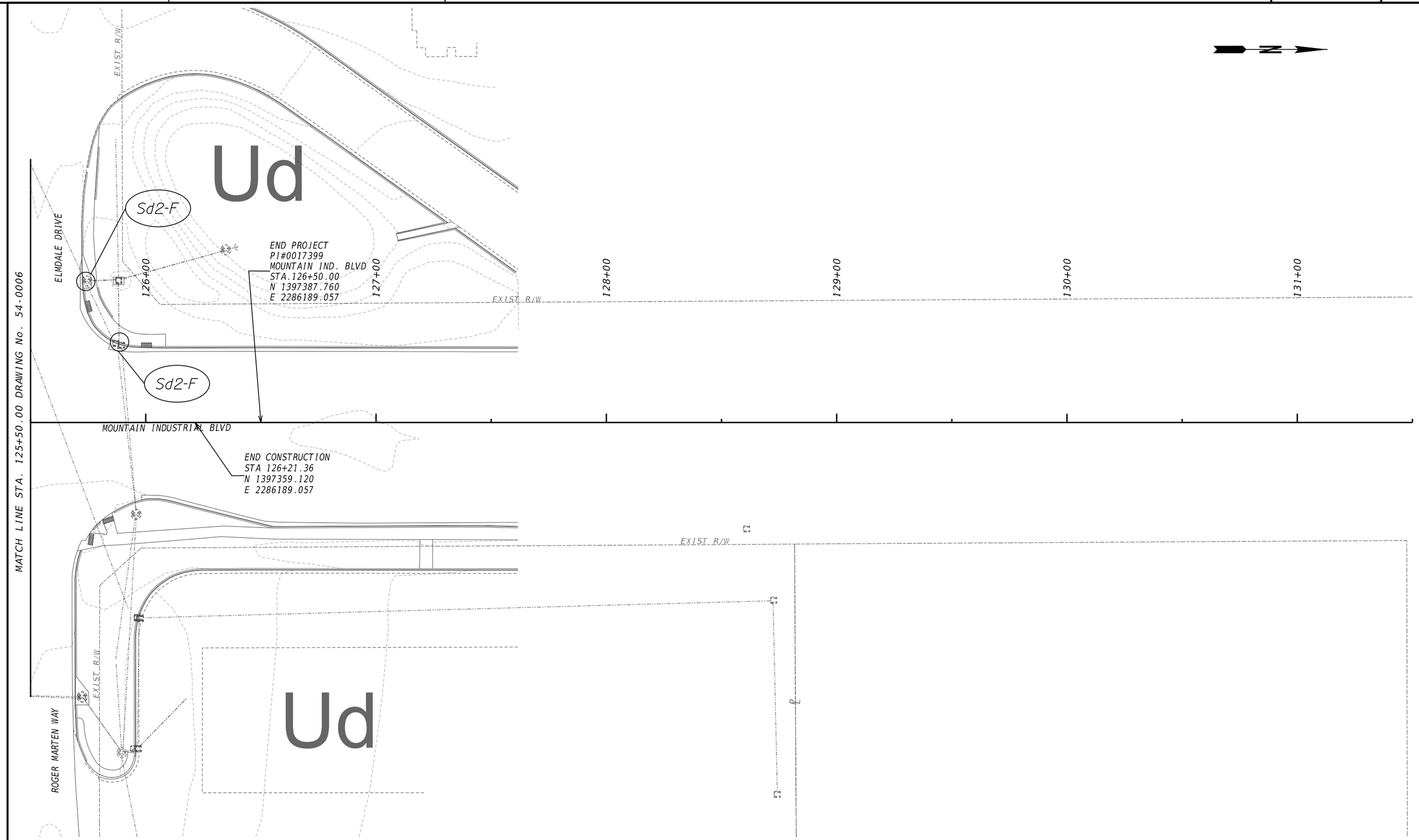


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# INITIAL PHASE

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|---|---|---|---|---|
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| BACKCHECKED: | | DATE: | | 54-0007 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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11/05/2020

PfE

Ca

Ud

Ud

IS 1A-25' STREAM BUFFER

PS 1

PS 1-25' STREAM BUFFER

LIMIT OF CONSTRUCTION
US 78 WESTBOUND
STA 397+50.00
N 1394941.411
E 2284182.075

POB 397+50.00

398+00

399+00

400+00

401+00

402+00

US 78 WESTBOUND

200+00

201+00

LIMIT OF CONSTRUCTION
US 78 EB EXIT RAMP
STA 200+00.00
N 1394894.965
E 2284456.059

POB 200+00.00

US 78 EASTBOUND

US 78 EB EXIT RAMP

202+00.00 DRAWING No. 54-0009

MATCH LINE STA. 202+00

25' STREAM BUFFER

PS 1

25' STREAM BUFFER

500+00

POB 500+00.00

501+00

502+00

Sd1-S

Sd1-S

Sd1-S

Cd-Hb

Cd-Hb

Cd-Hb

Cd-Hb

Rp

SARR PKWY

Sd2-F

1035

GREER CIRCLE

EXIST R/W

1040

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INITIAL PHASE

| | | | | |
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| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | |
| CORRECTED: | | DATE: | | 54-0008 |
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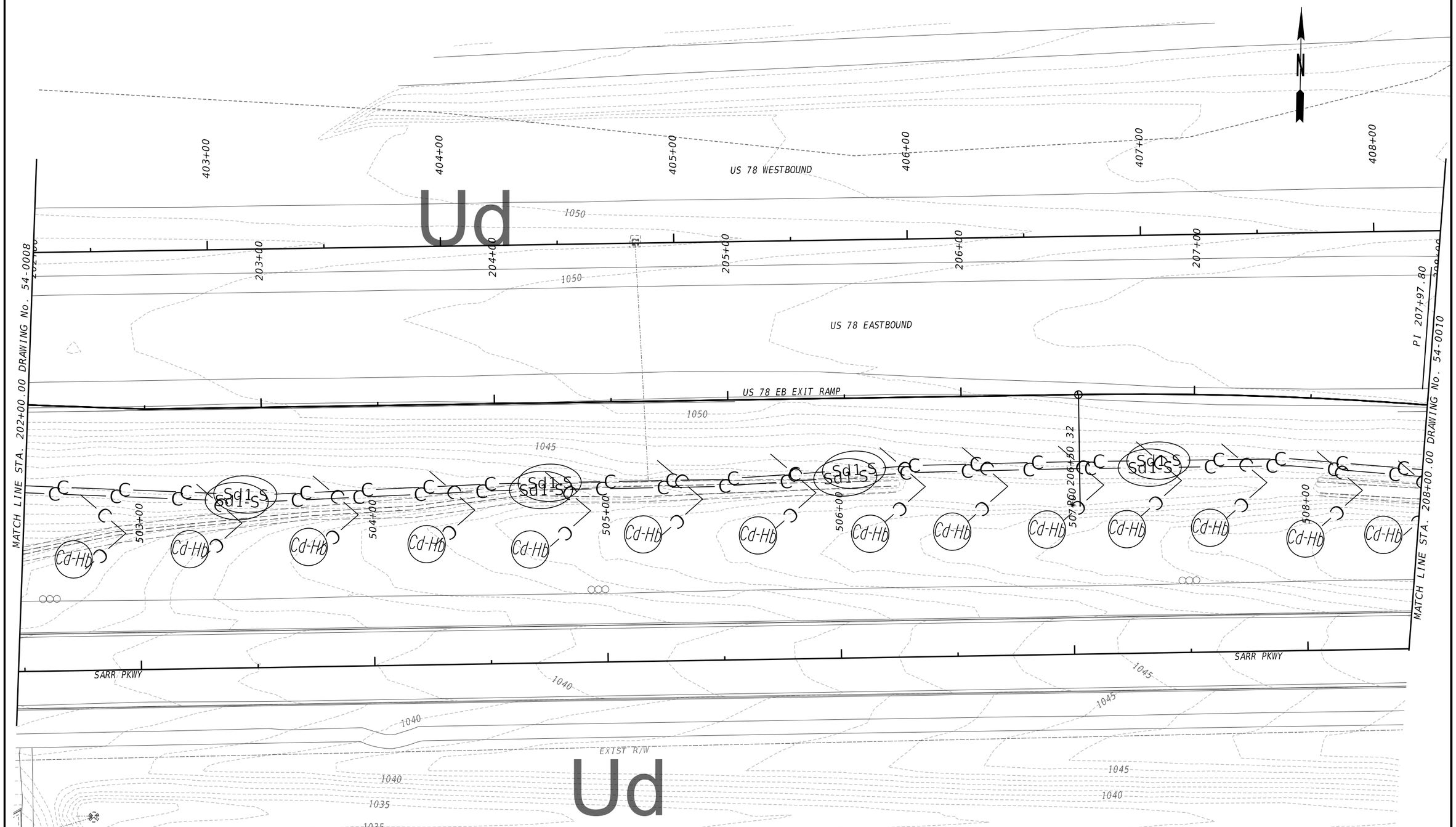
GPLN-CE
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INITIAL PHASE

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| CHECKED: | | DATE: | | DRAWING No. |
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| VERIFIED: | | DATE: | | |

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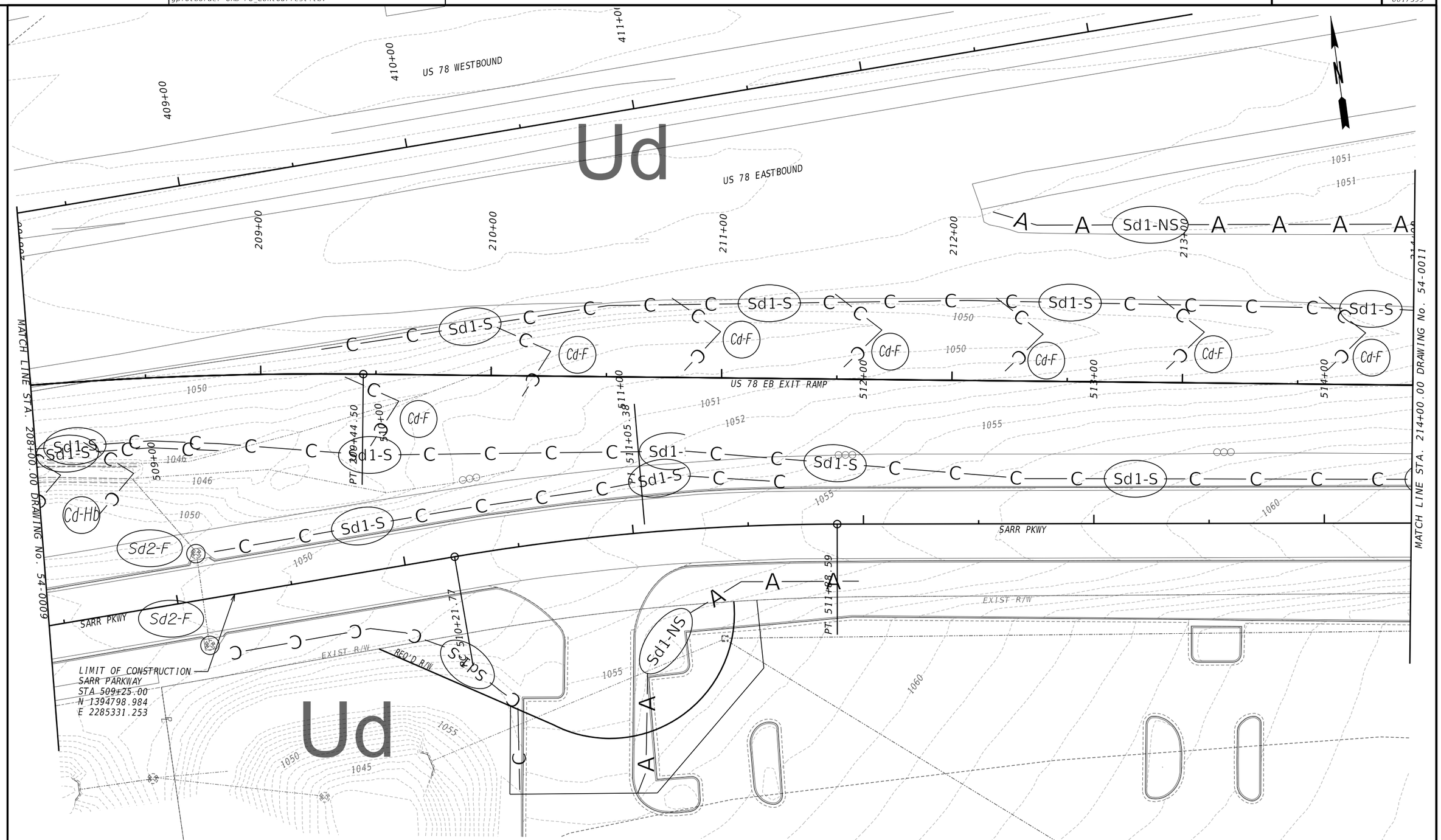
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INITIAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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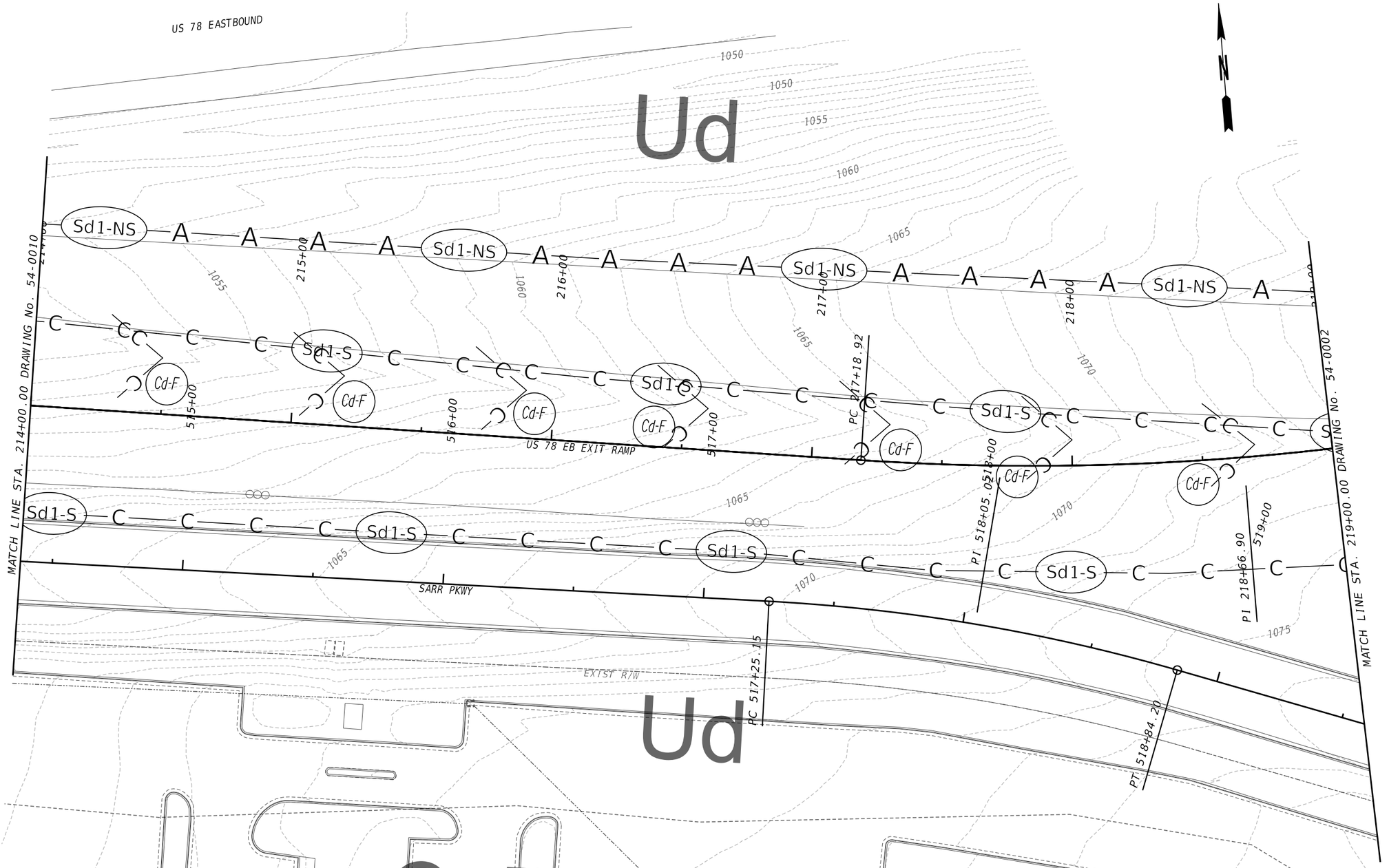


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# INITIAL PHASE

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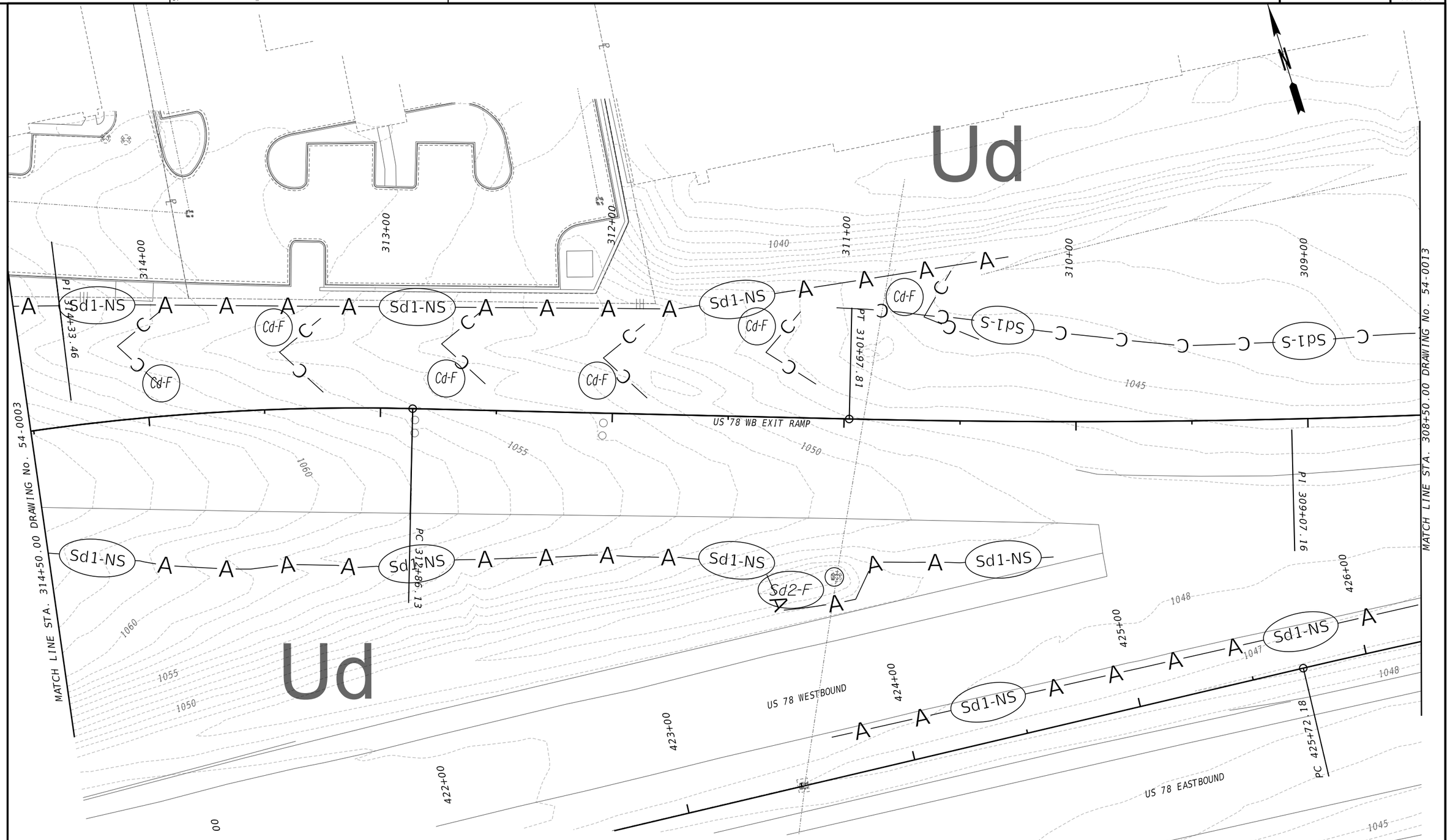


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## INITIAL PHASE

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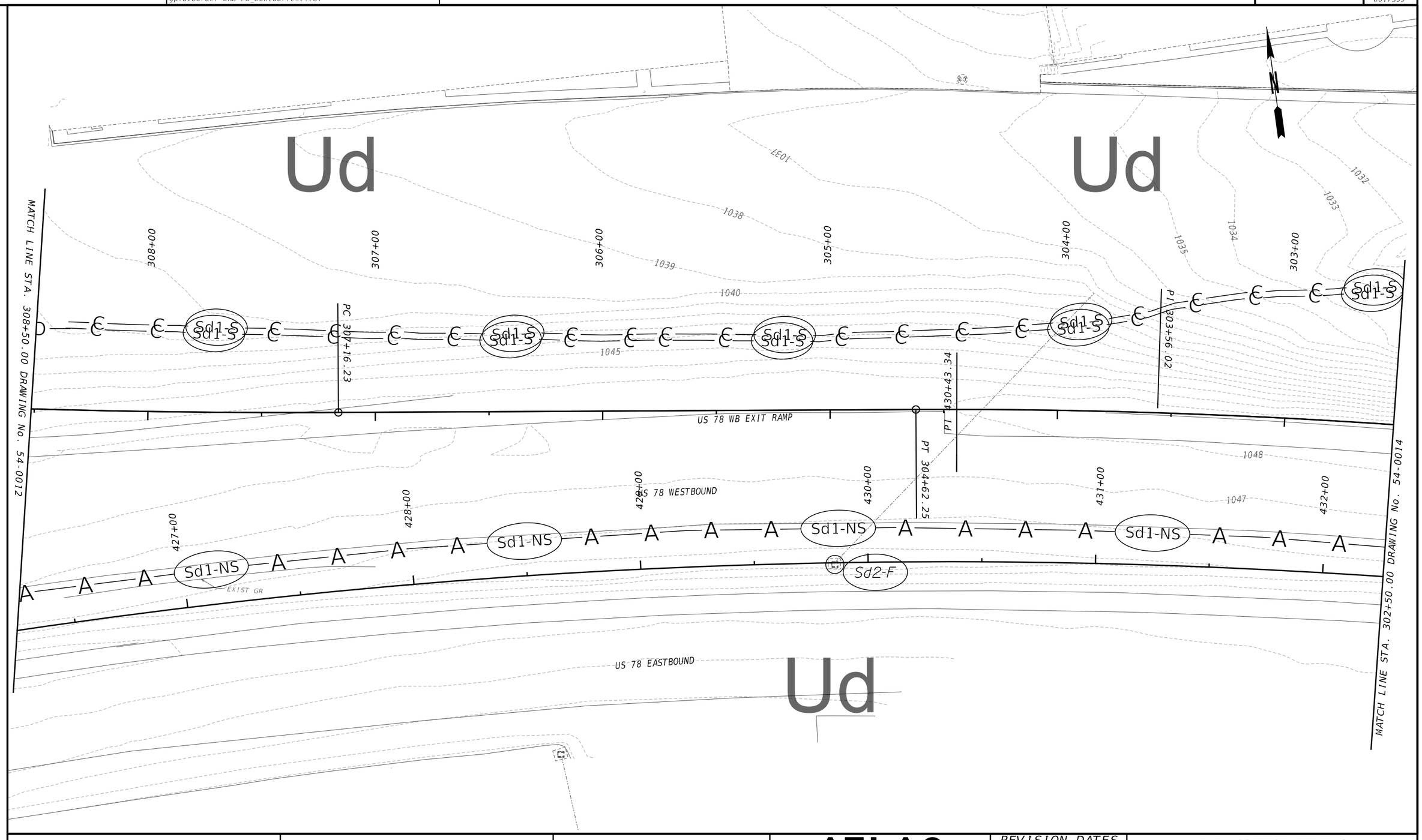


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INITIAL PHASE

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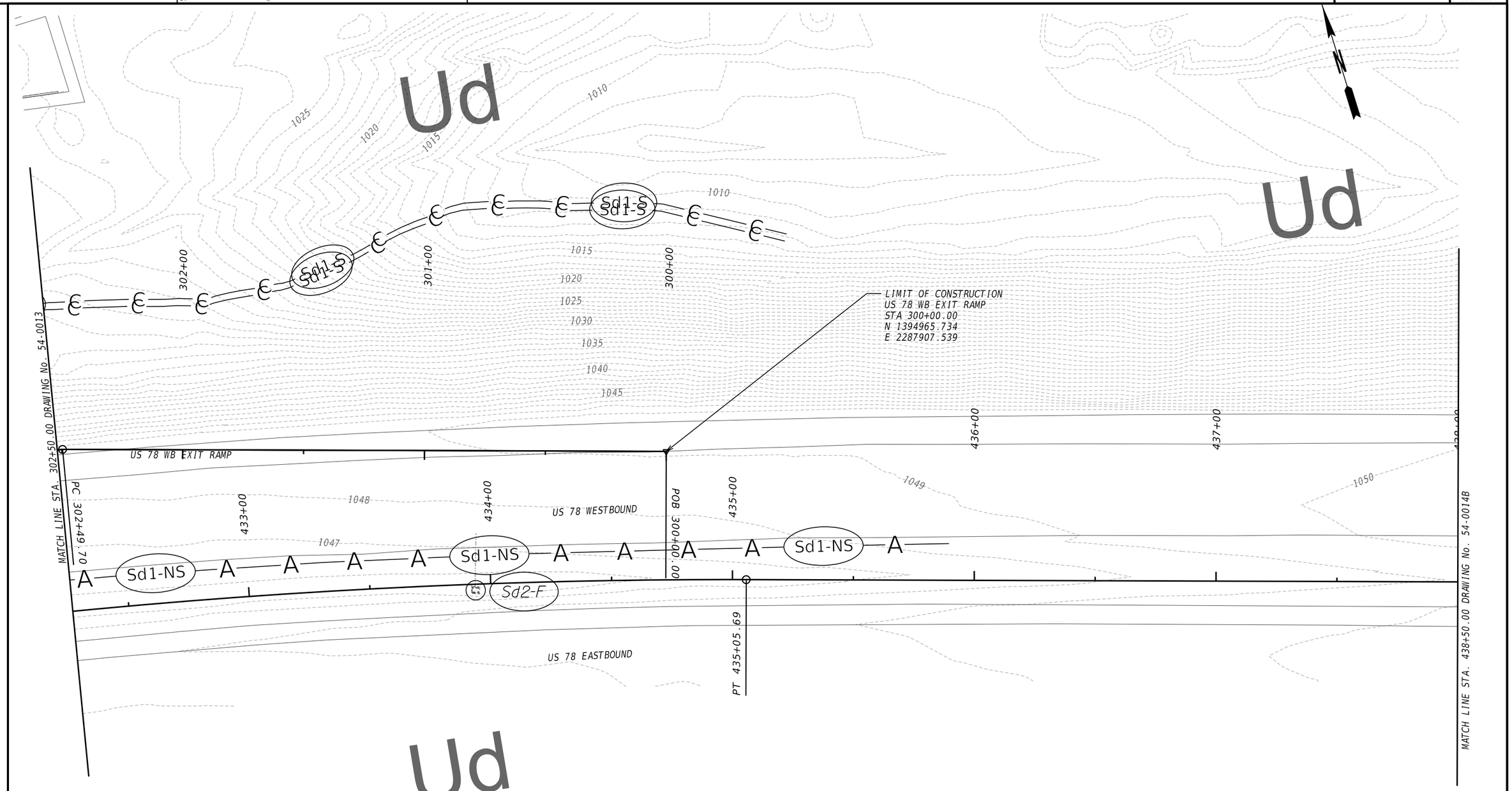
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## INITIAL PHASE

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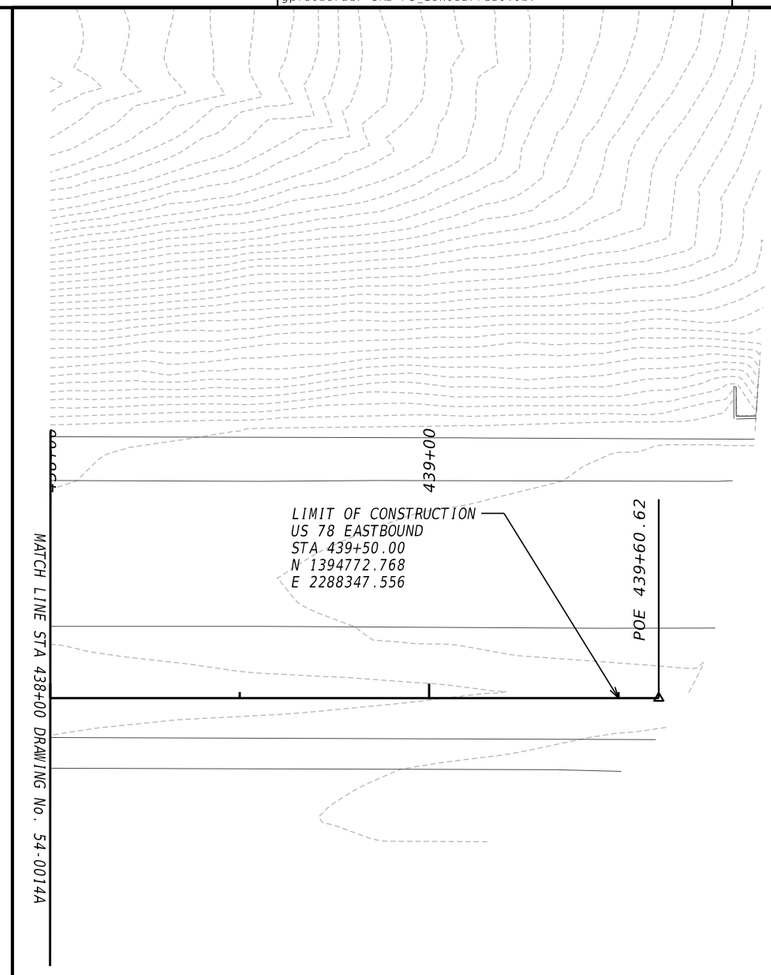

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INITIAL PHASE

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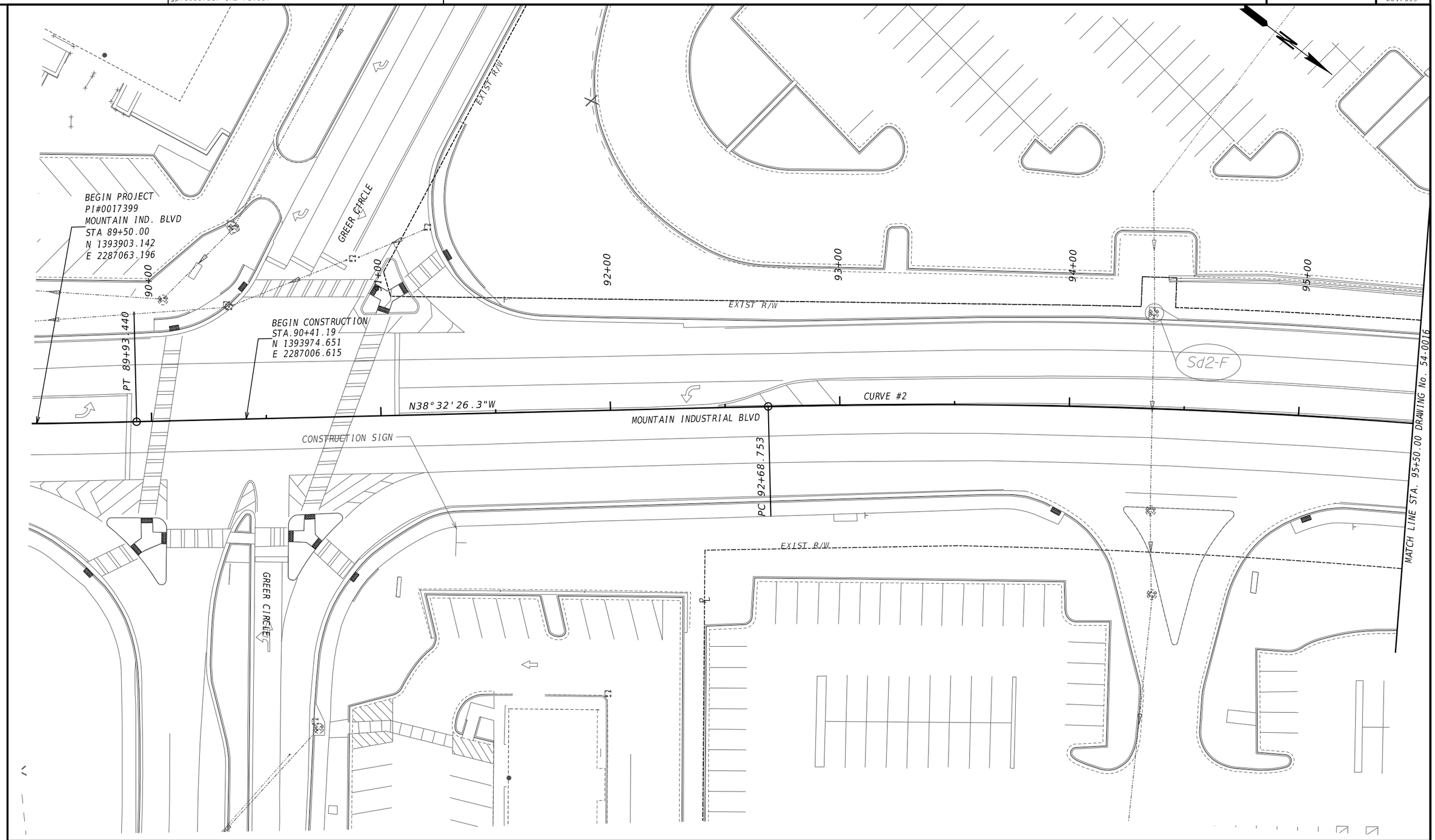


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD
# INTERMEDIATE PHASE - STAGE 1

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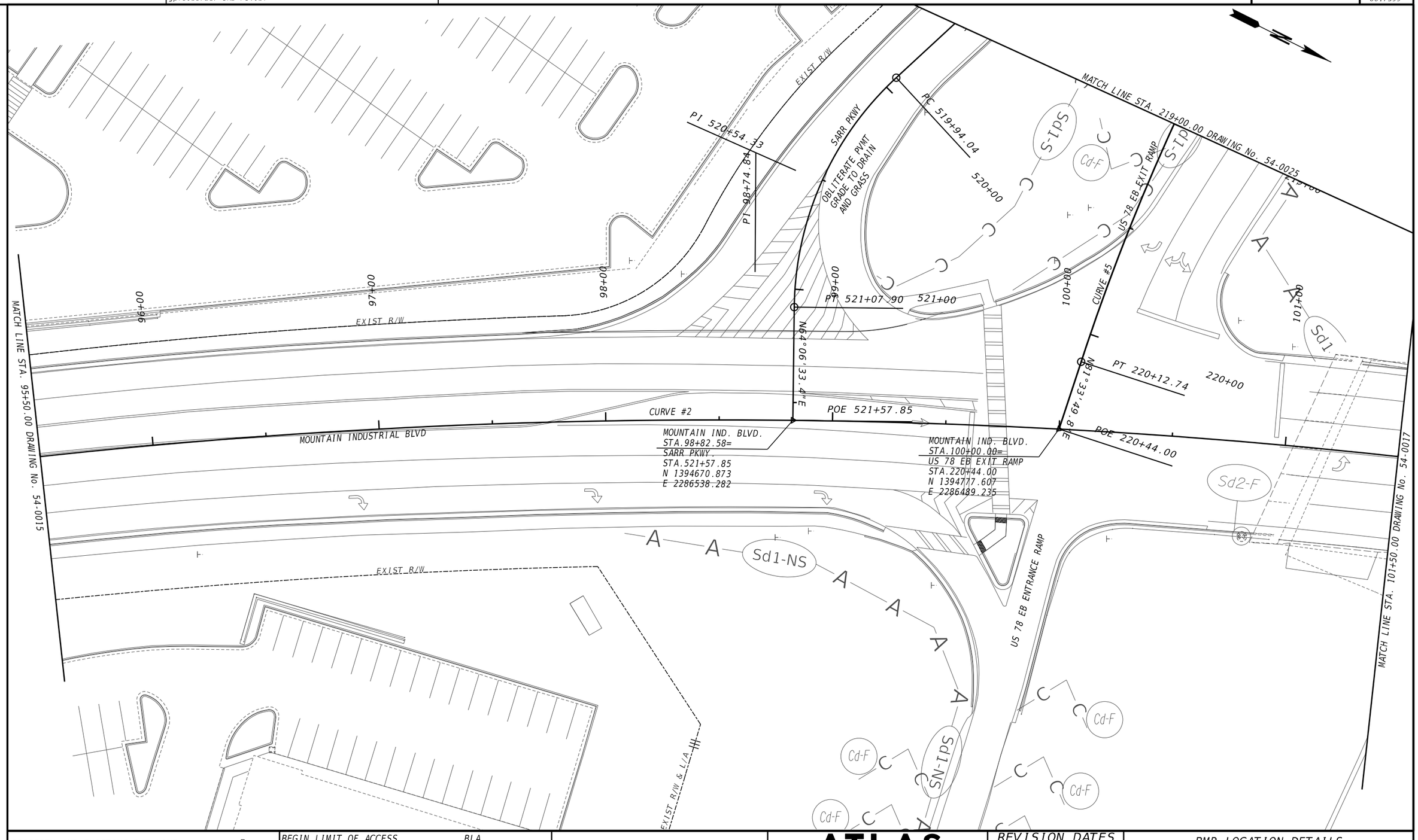
11/05/2020

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| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD
# INTERMEDIATE PHASE - STAGE 1

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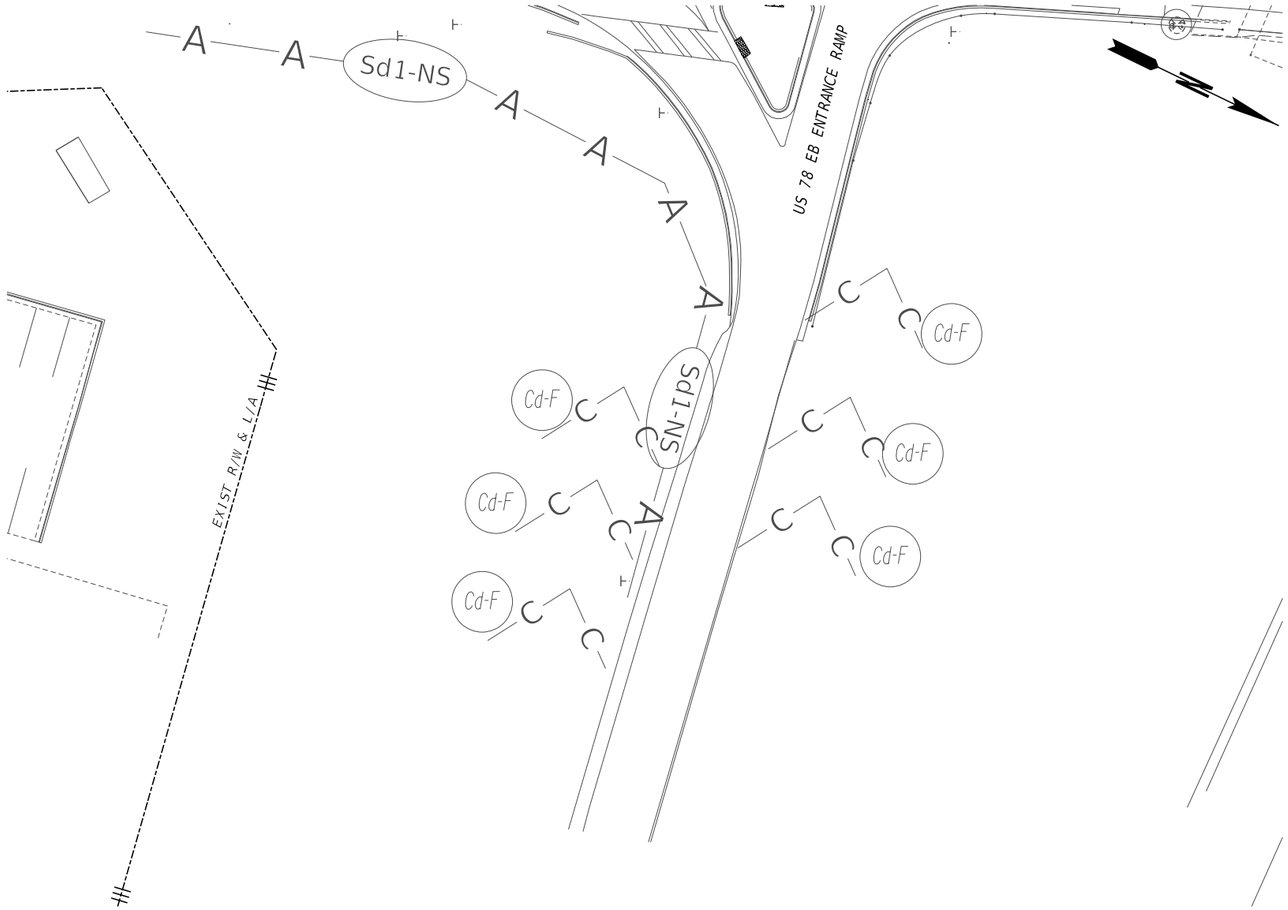


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD
INTERMEDIATE PHASE - STAGE 1

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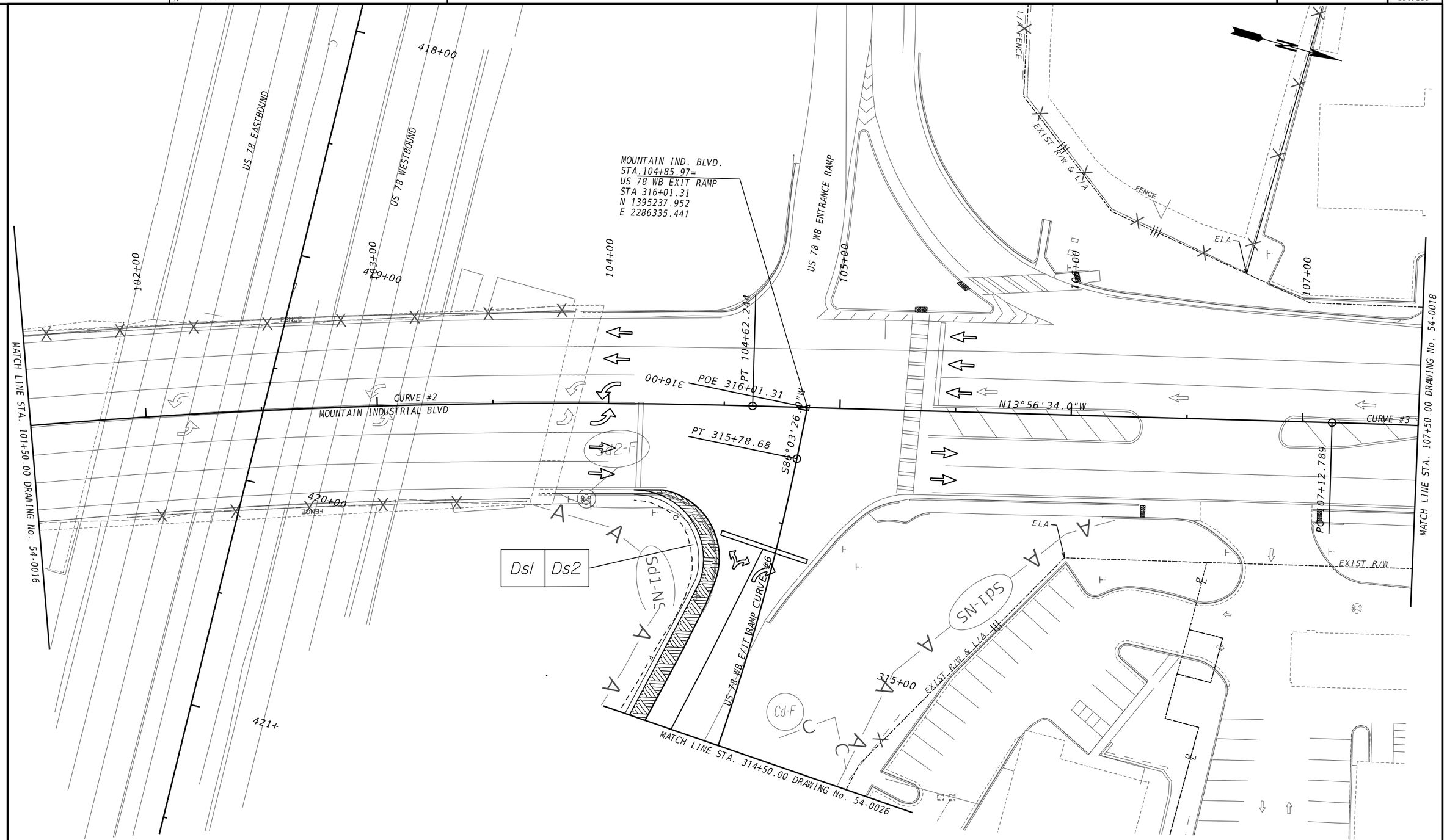
11/05/2020

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| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD
## INTERMEDIATE PHASE - STAGE 1

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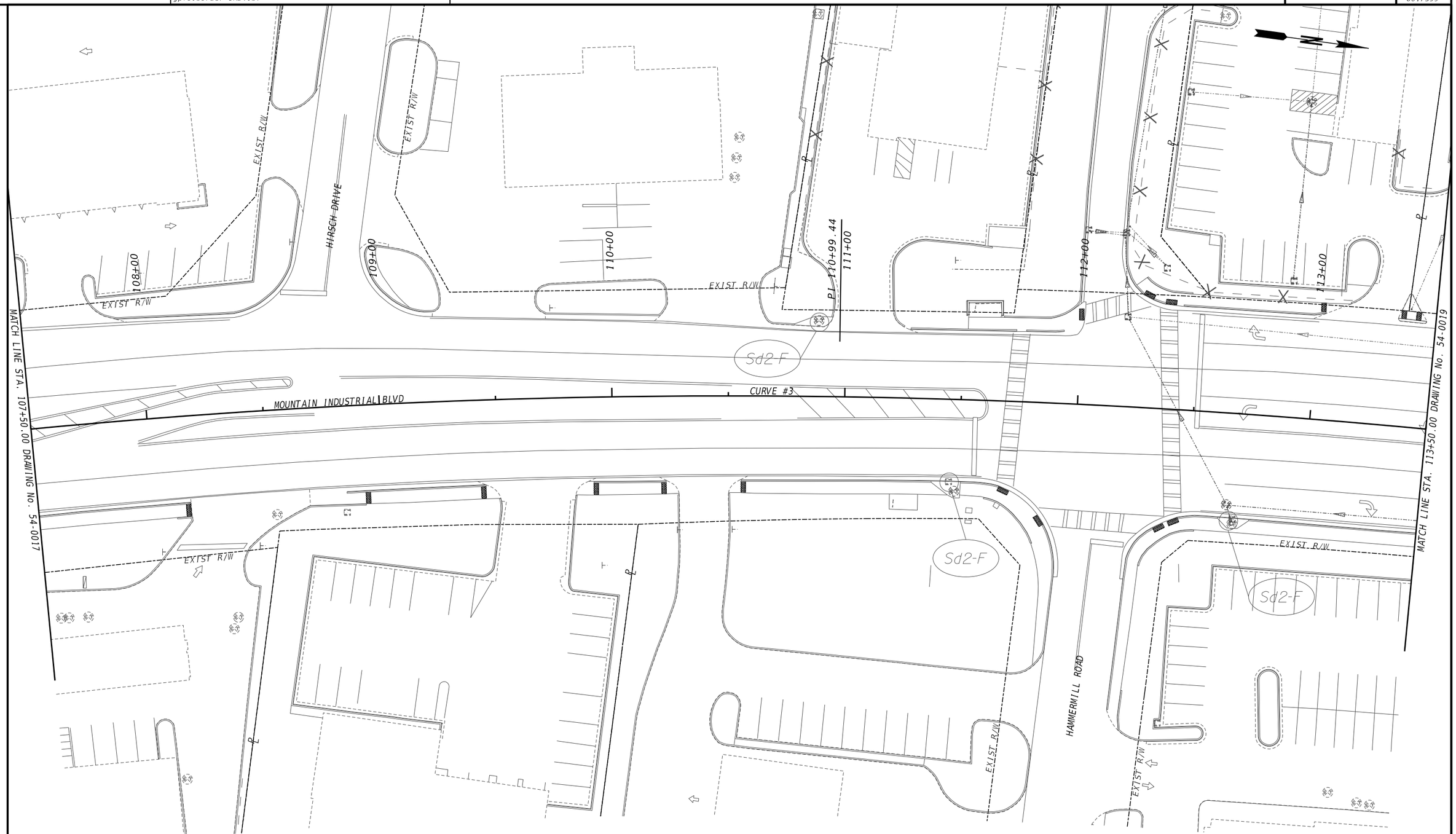


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| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD
# INTERMEDIATE PHASE - STAGE 1

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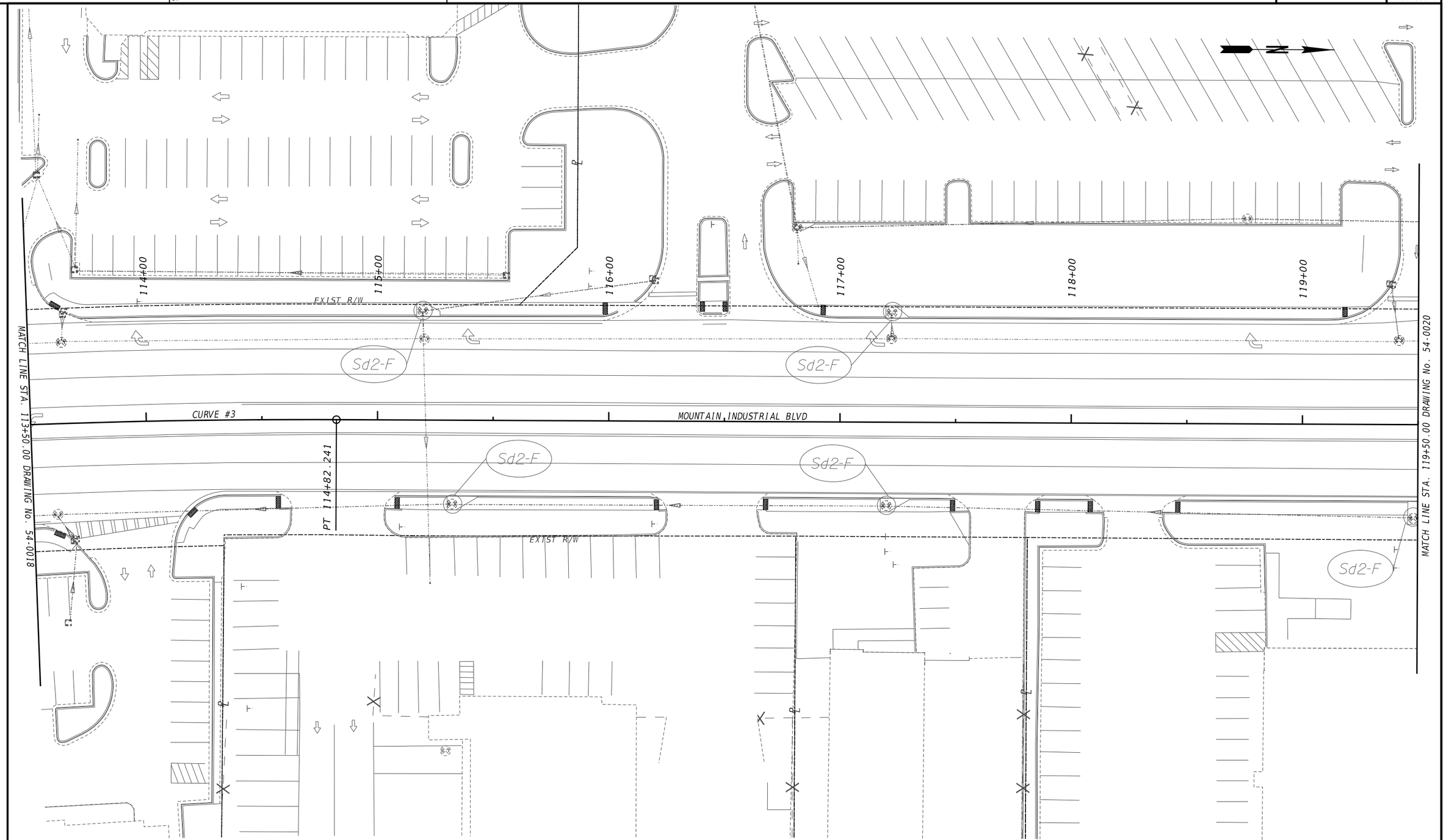


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD
## INTERMEDIATE PHASE - STAGE 1

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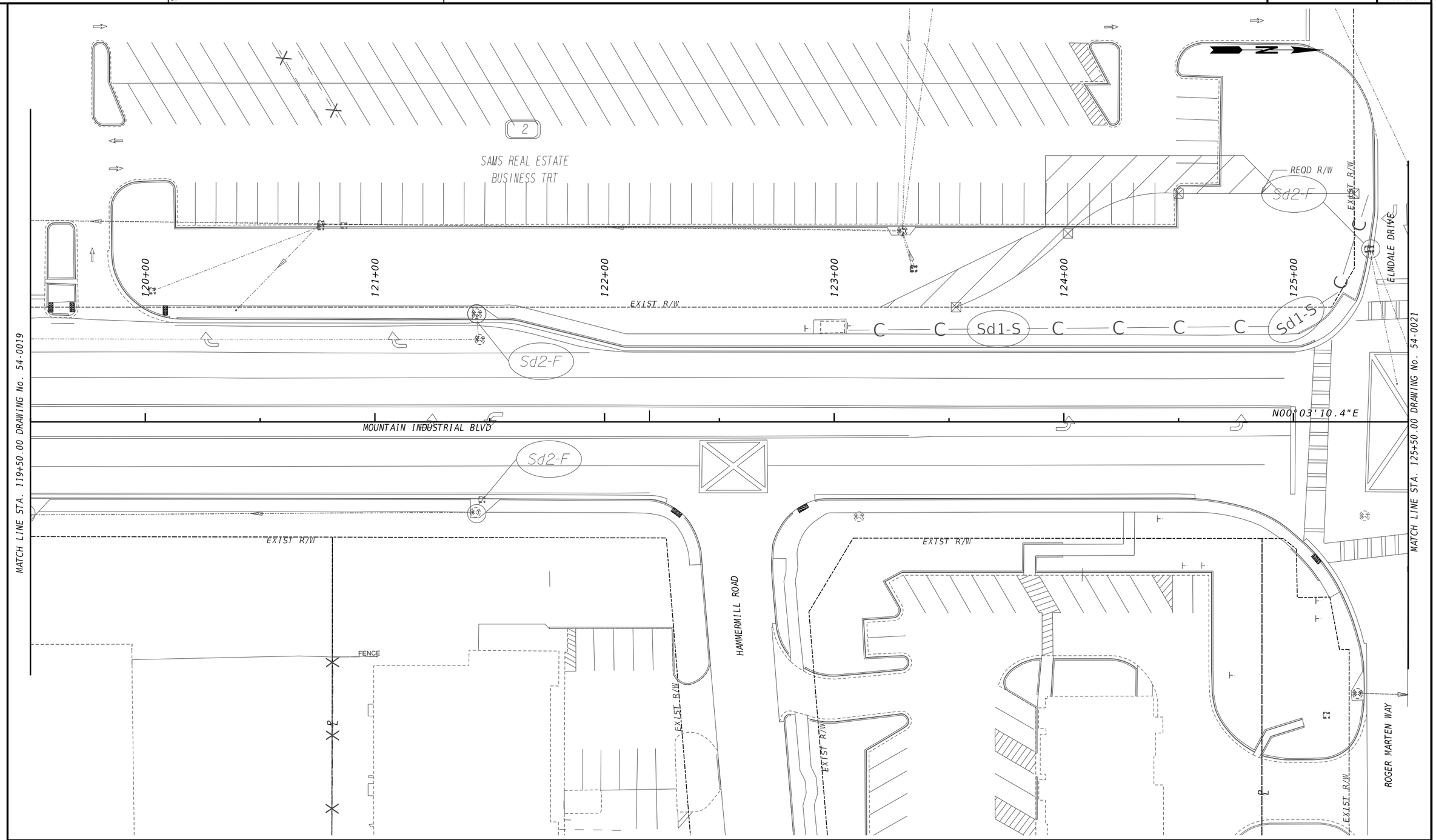
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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2450 Commerce Avenue
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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD
# INTERMEDIATE PHASE - STAGE 1

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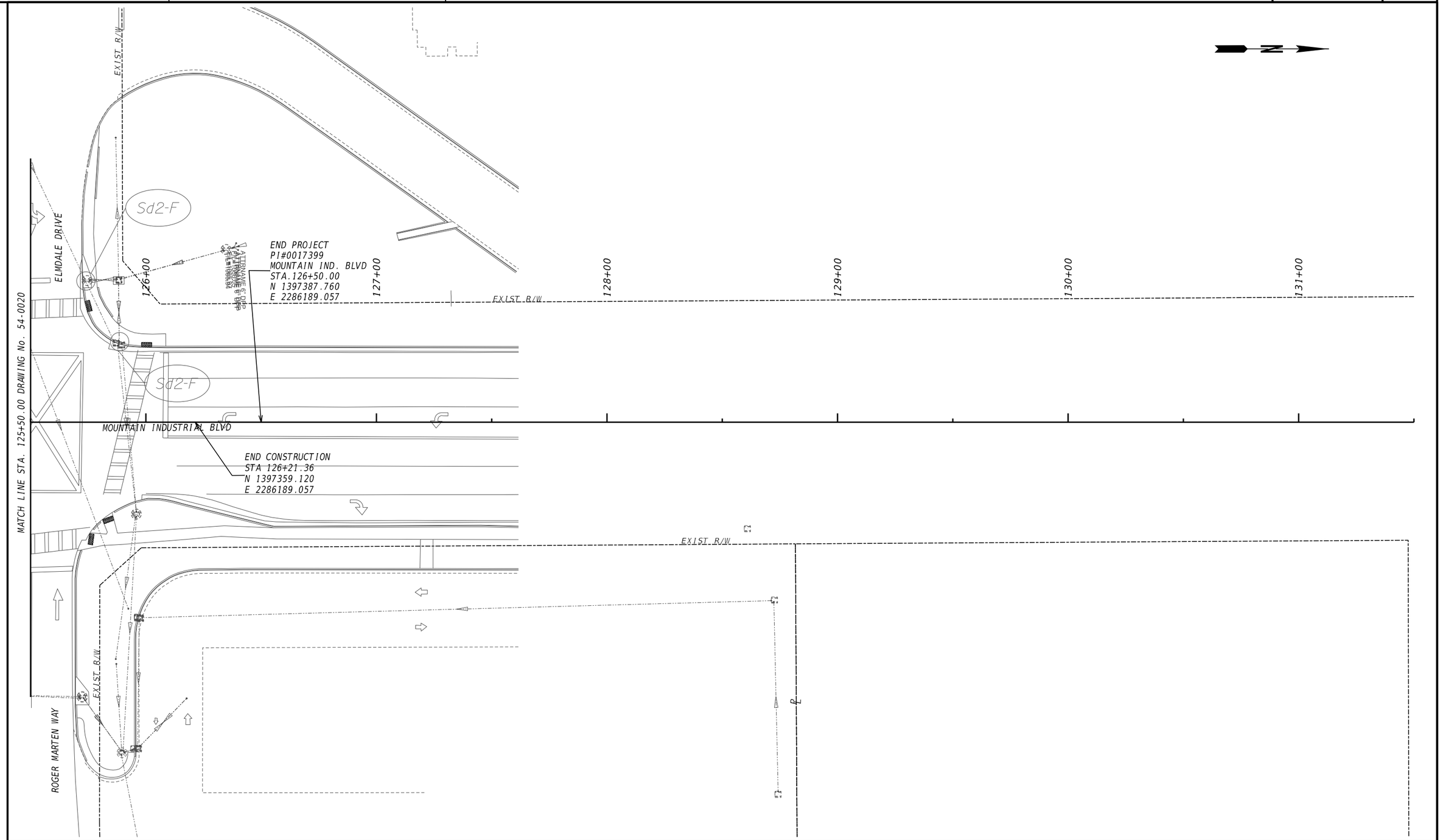


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| PROPERTY AND EXISTING R/W LINE | ----------P---------- |
| REQUIRED R/W LINE | ———— |
| CONSTRUCTION LIMITS | ——C——F—— |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

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| BEGIN LIMIT OF ACCESS.....BLA | |
| END LIMIT OF ACCESS.....ELA | |
| EXISTING LIMIT OF ACCESS | — — ∞∞ — — |
| REQ'D LIMIT OF ACCESS | ———— ∞∞ ———— |
| EXISTING LIMIT OF ACCESS & R/W | ----------\|\|---------- |
| REQ'D LIMIT OF ACCESS & R/W | ———— \|\|\| ———— |
| ORANGE BARRIER FENCE | ●———●———● |
| ESA - ENV. SENSITIVE AREA | ▼———▼———▼ |

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REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INTERMEDIATE PHASE - STAGE 1

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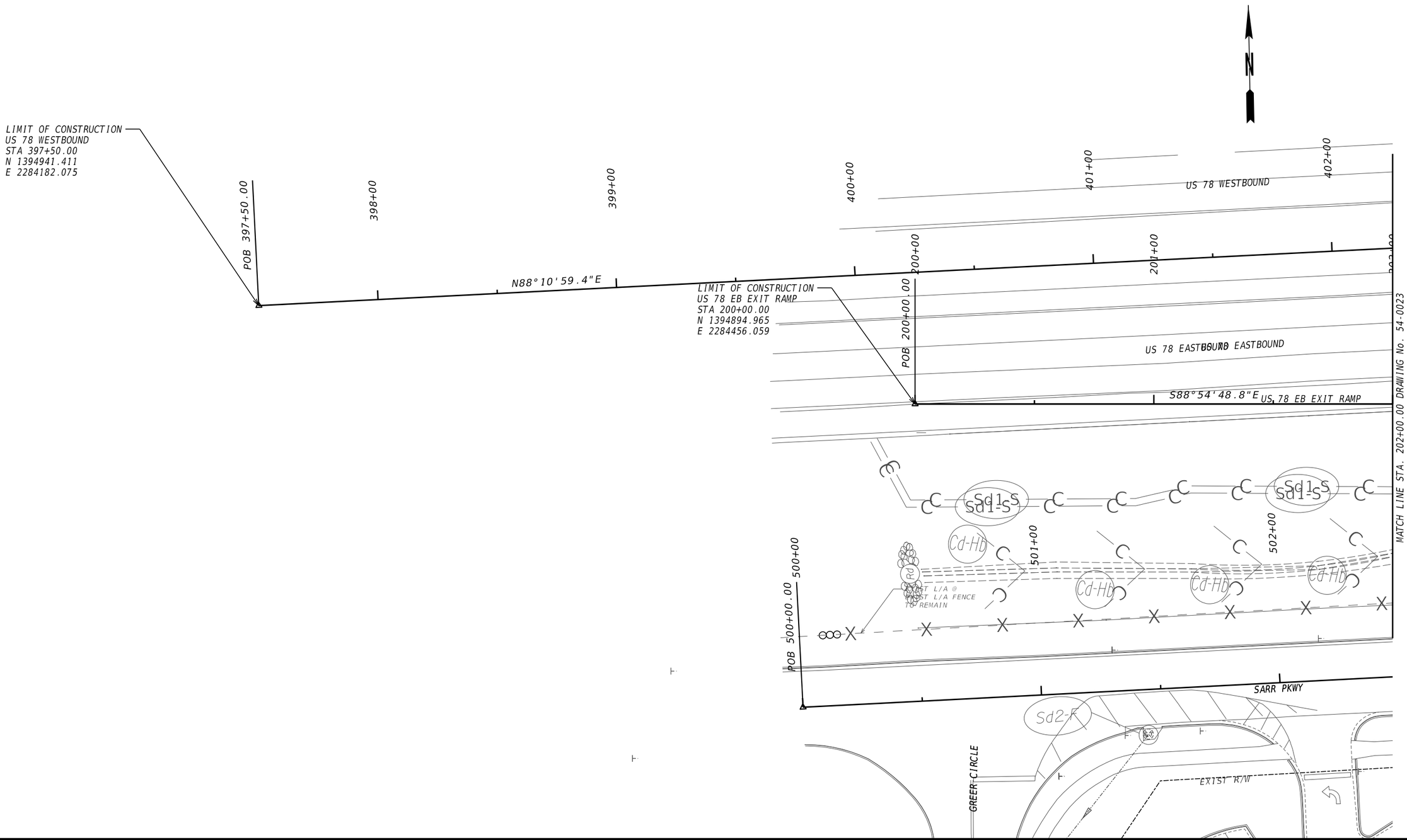
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INTERMEDIATE PHASE - STAGE 1

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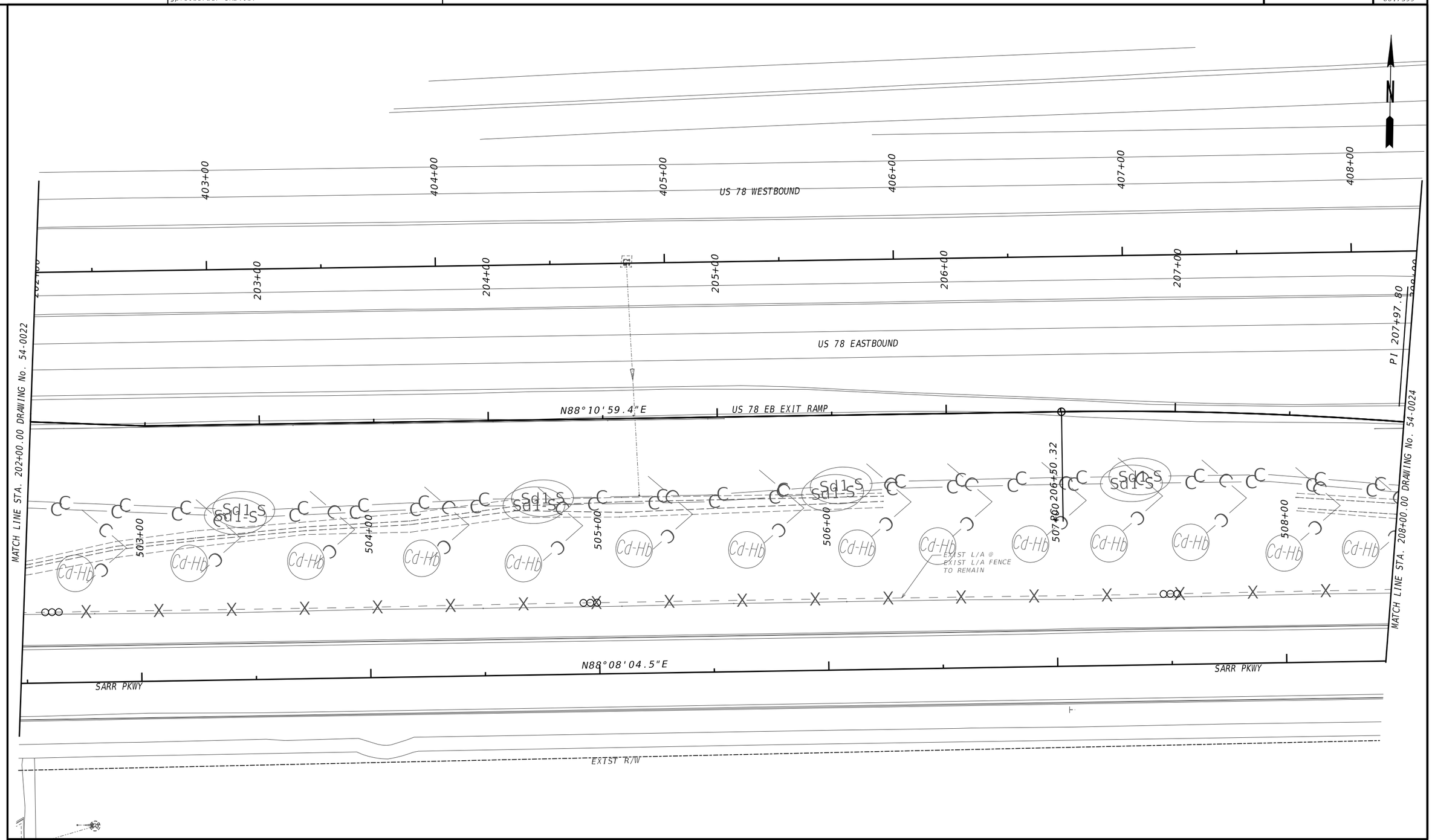


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| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# INTERMEDIATE PHASE - STAGE 1

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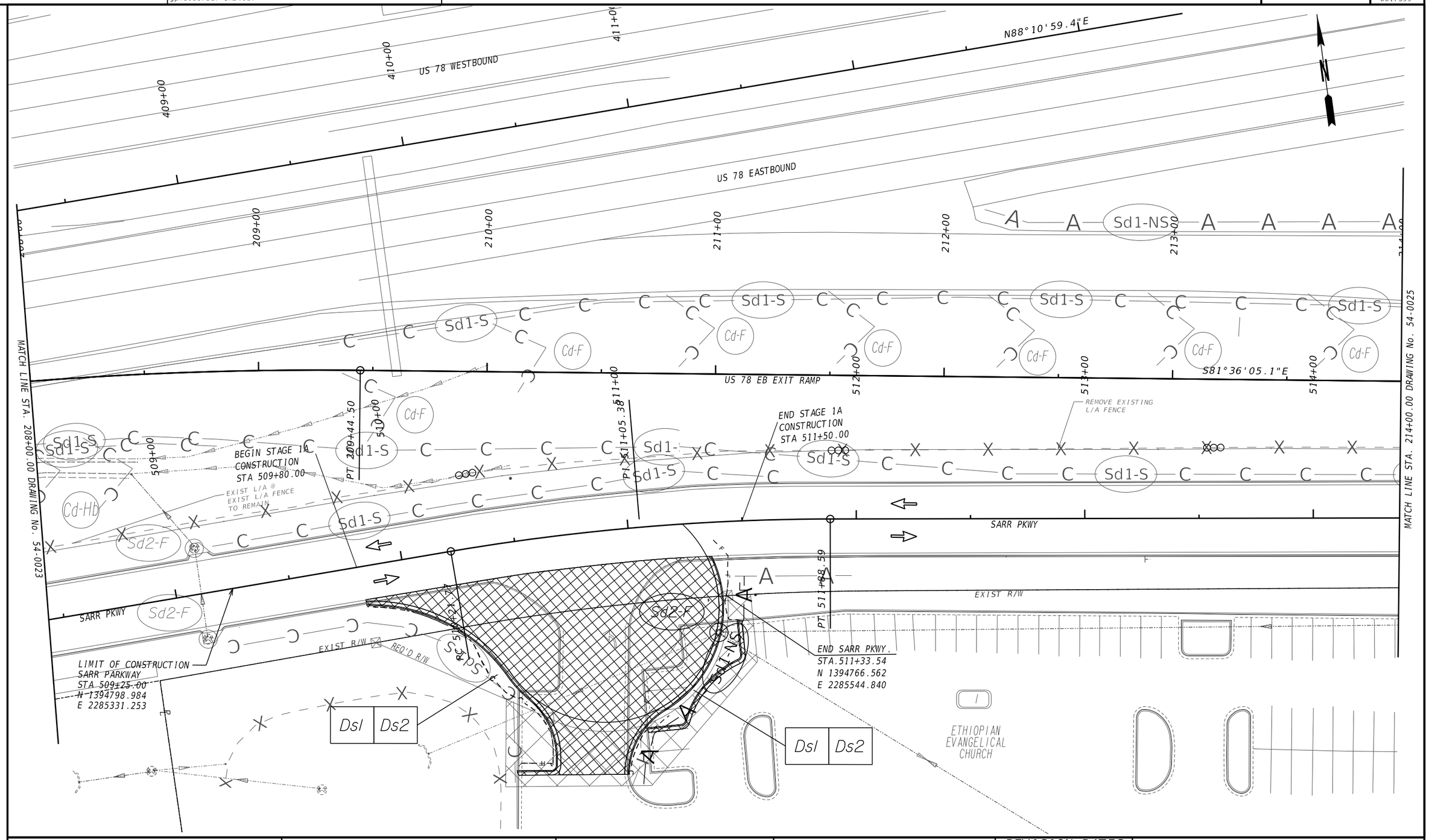
11/05/2020

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| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# INTERMEDIATE PHASE - STAGE 1

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| CHECKED: | | DATE: | | DRAWING No. |
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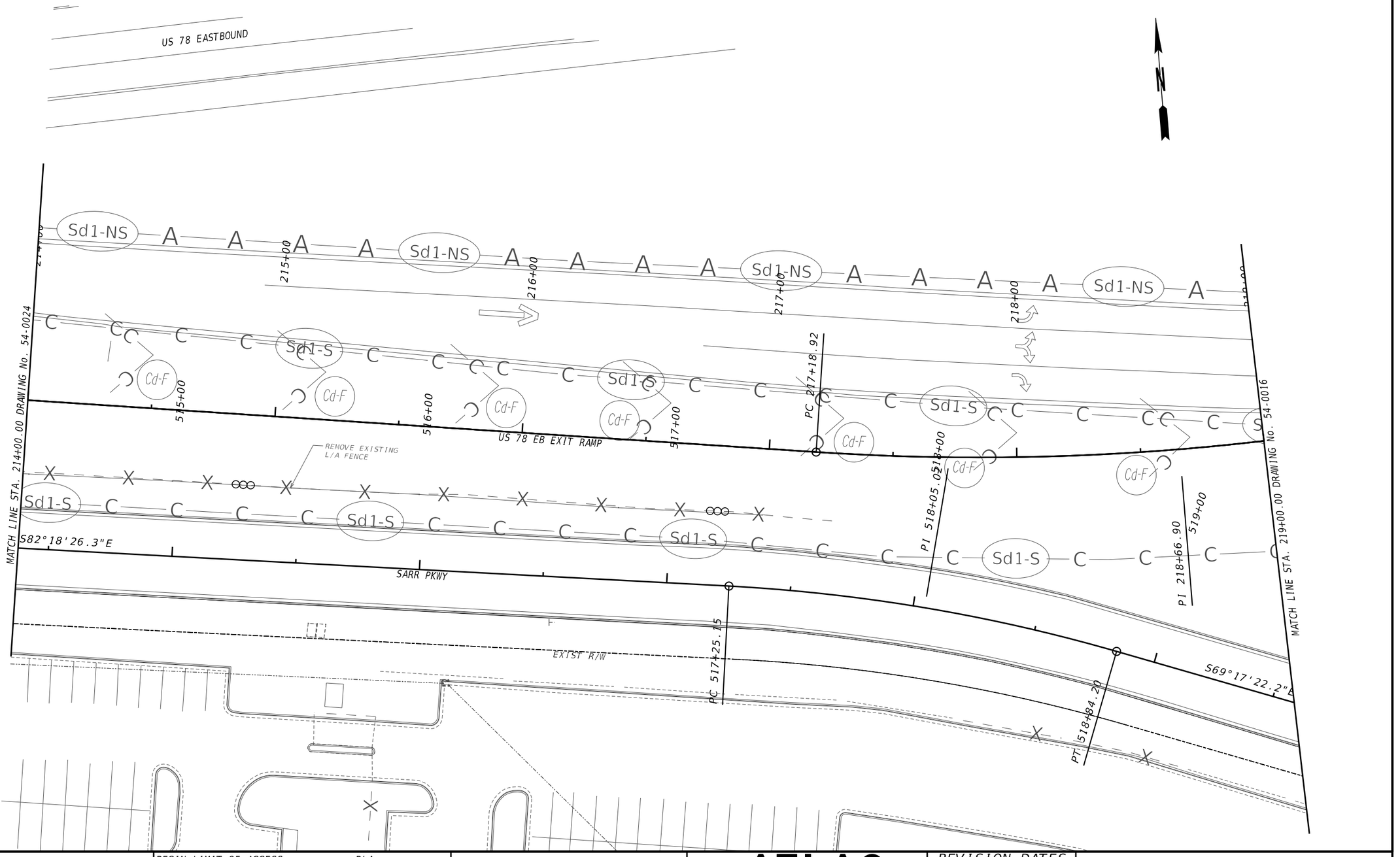
11/05/2020

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| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
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0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INTERMEDIATE PHASE - STAGE 1

| | | | | |
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| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0025 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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EXIST L/A FENCE

EXIST L/A FENCE

PI 314+33.46

PC 312+86.13

PT 310+97.81

PI 309+07.16

MATCH LINE STA. 314+50.00 DRAWING No. 54-0017

MATCH LINE STA. 308+50.00 DRAWING No. 54-0027

N77°10'51.7"W

US 78 WB EXIT RAMP

US 78 WESTBOUND

US 78 EASTBOUND

Sd1-NS

Sd1-S

Sd2-F

Cd-F

Ds1 | Ds2

314+00 313+00 312+00 311+00 310+00 309+00 308+00 426+00 425+00 424+00 423+00 422+00

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

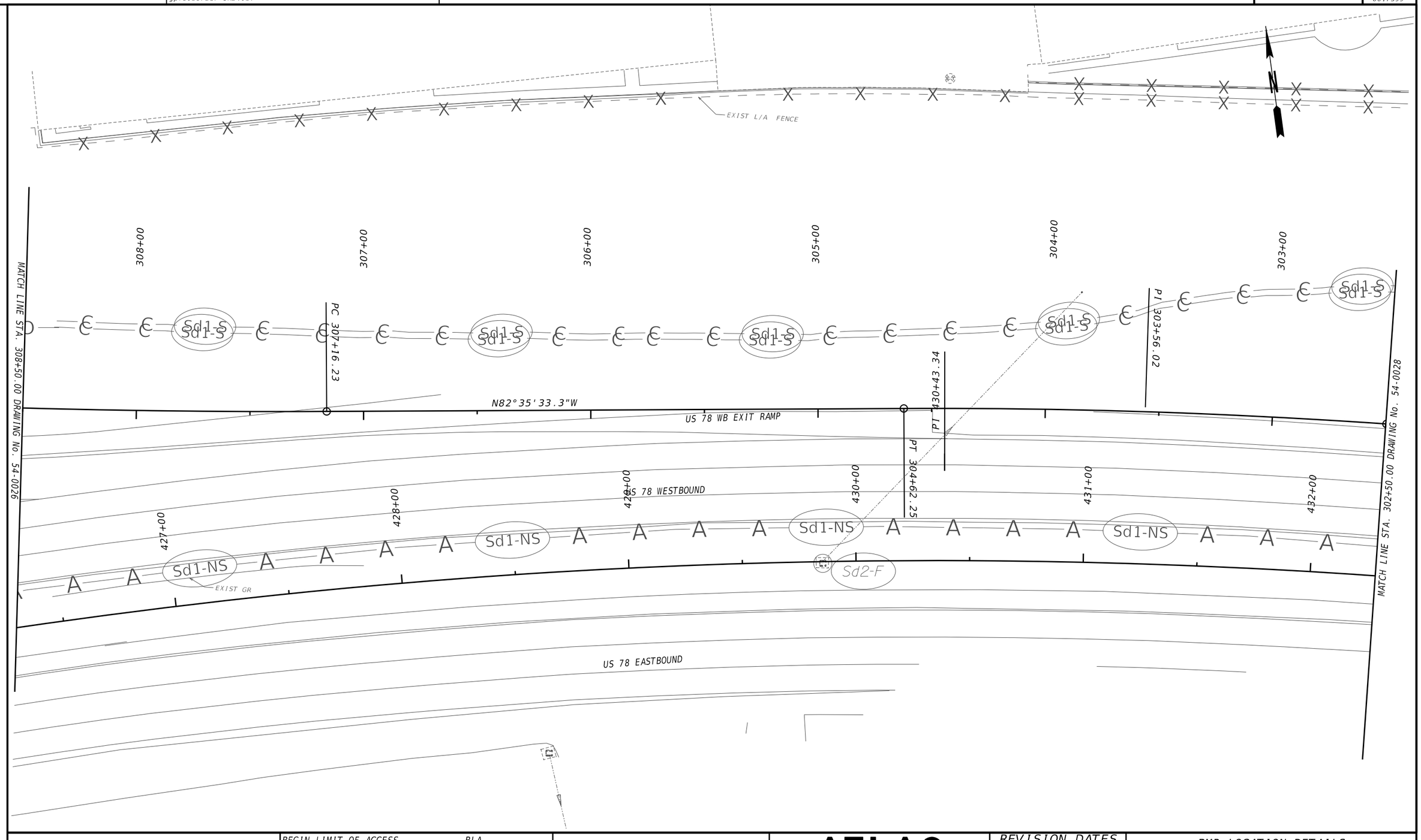
SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# INTERMEDIATE PHASE - STAGE 1

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0026 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE 11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
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770.263.5945

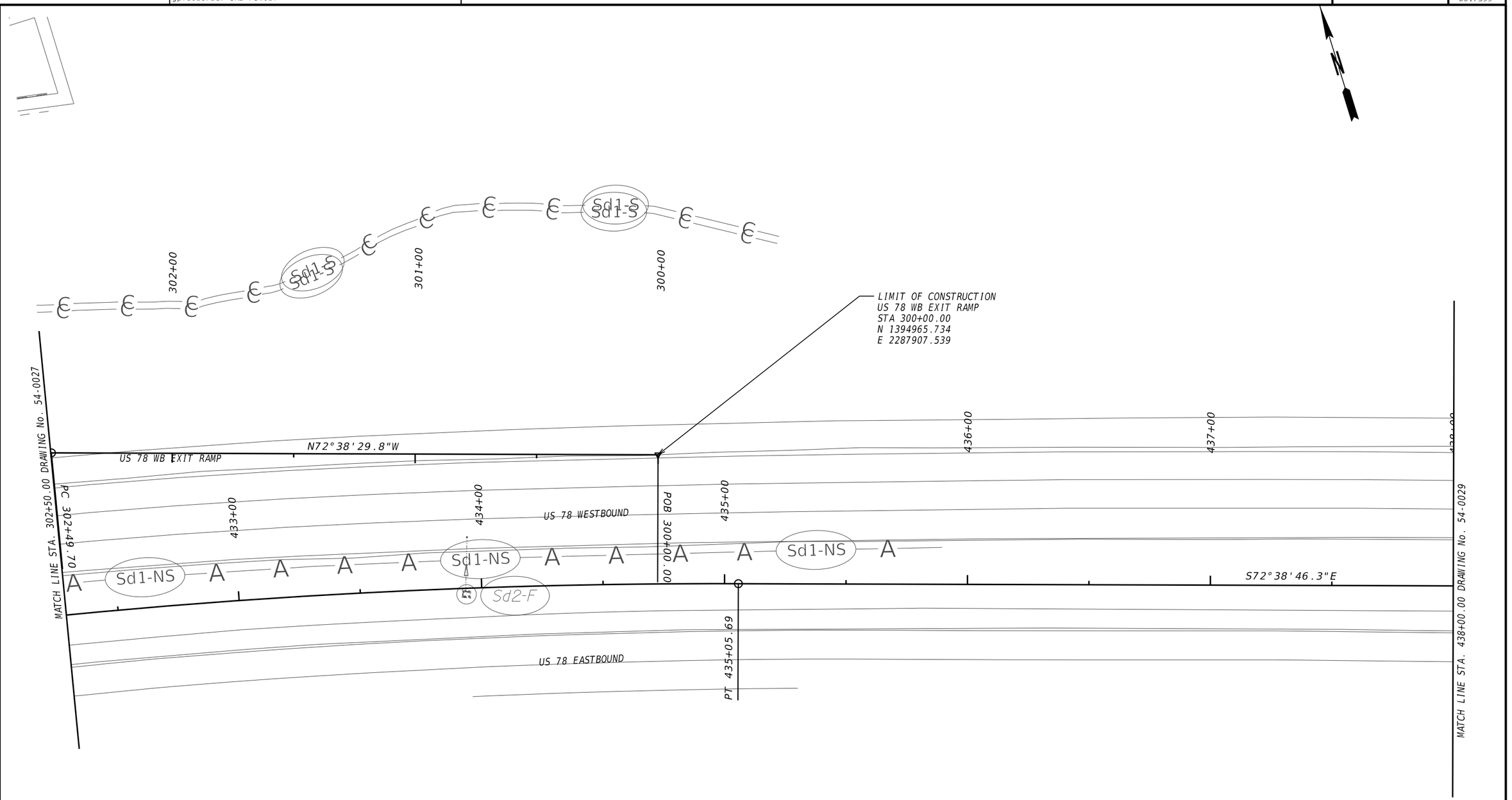
SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## INTERMEDIATE PHASE - STAGE 1

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0027 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE 11/05/2020




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## INTERMEDIATE PHASE - STAGE 1

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0028 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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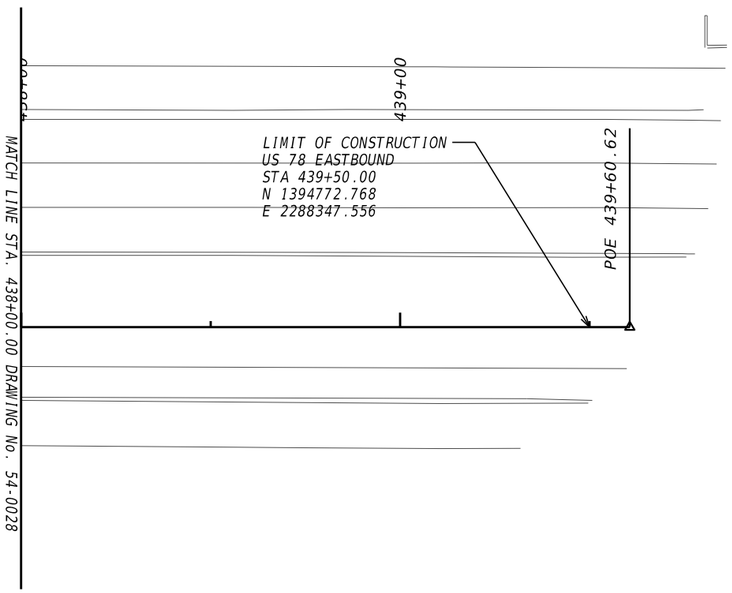
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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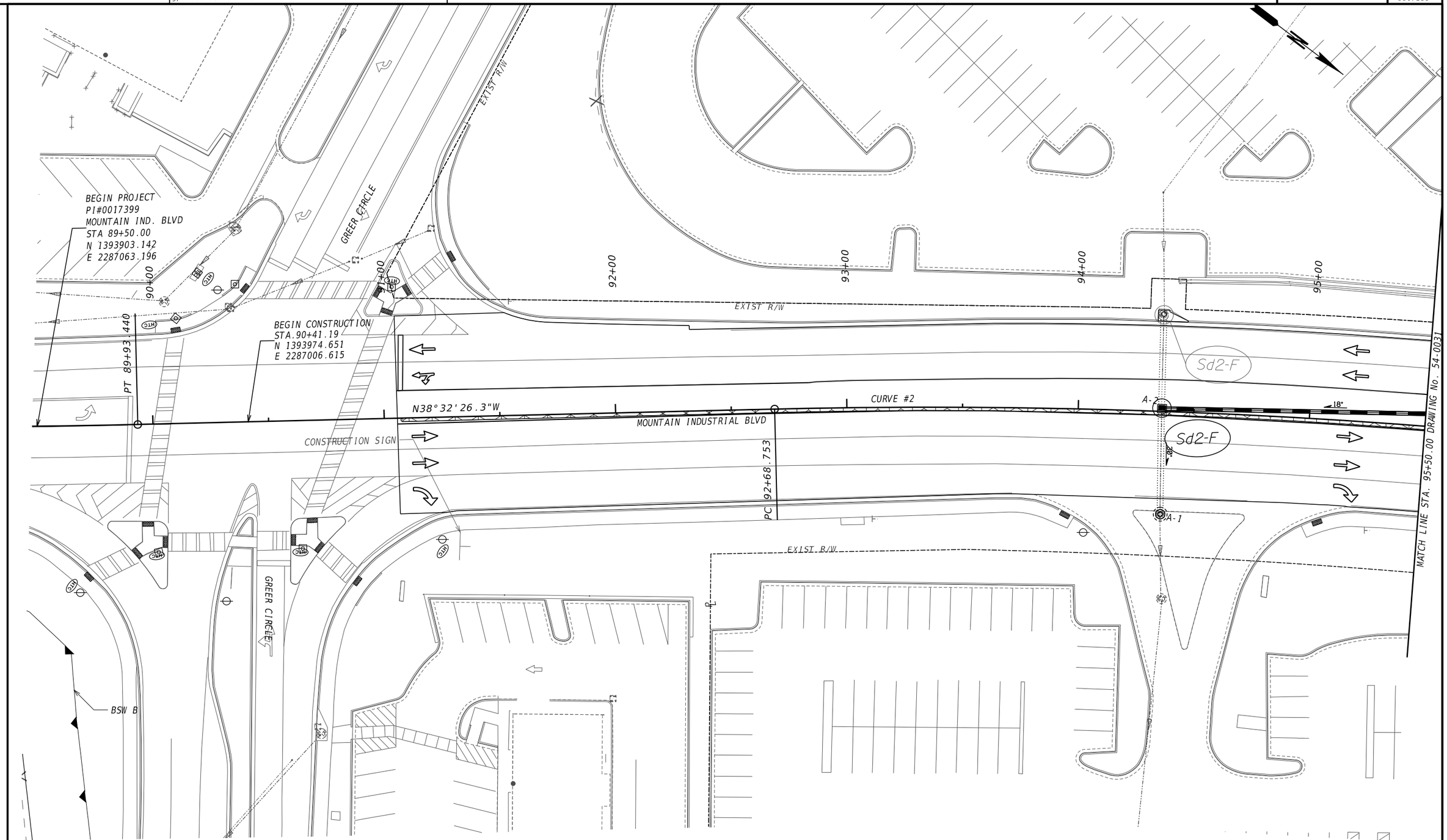
SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INTERMEDIATE PHASE - STAGE 1

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
54-0029




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS | BLA |
| END LIMIT OF ACCESS | ELA |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD
INTERMEDIATE PHASE - STAGE 2

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|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0030 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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OBLITERATE PAVEMENT AND BASE, GRADE TO DRAIN, GRASS. PRICE TO BE INCLUDED IN OVERALL BID.

ETHIOPIAN EVANGELICAL CHURCH

MATCH LINE STA. 95+50.00 DRAWING No. 54-0030

MATCH LINE STA. 219+00.00 DRAWING No. 54-0040

MATCH LINE STA. 101+50.00 DRAWING No. 54-0032

EXIST R/W

EXIST R/W & L/A

MOUNTAIN INDUSTRIAL BLVD

SARR PKWY

US 78 EB EXIT RAMP

US 78 EB ENTRANCE RAMP

CURVE #2

CURVE #3

PI 520+54.35

PI 98+74.84

PC 519+94.04

PT 521+07.90

POE 521+57.85

PT 220+12.74

POE 220+44.00

N64°06'33.71"E

N61°33'49.81"E

MOUNTAIN IND. BLVD.
STA.98+82.58=
SARR PKWY.
STA.521+57.85
N 1394670.873
E 2286538.282

MOUNTAIN IND. BLVD.
STA.100+00.00=
US 78 EB EXIT RAMP
STA.220+44.00
N 1394777.607
E 2286489.235

Sd1-NS

Sd2-F

Cd-F

Ds1 | Ds2

A-3

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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SCALE IN FEET
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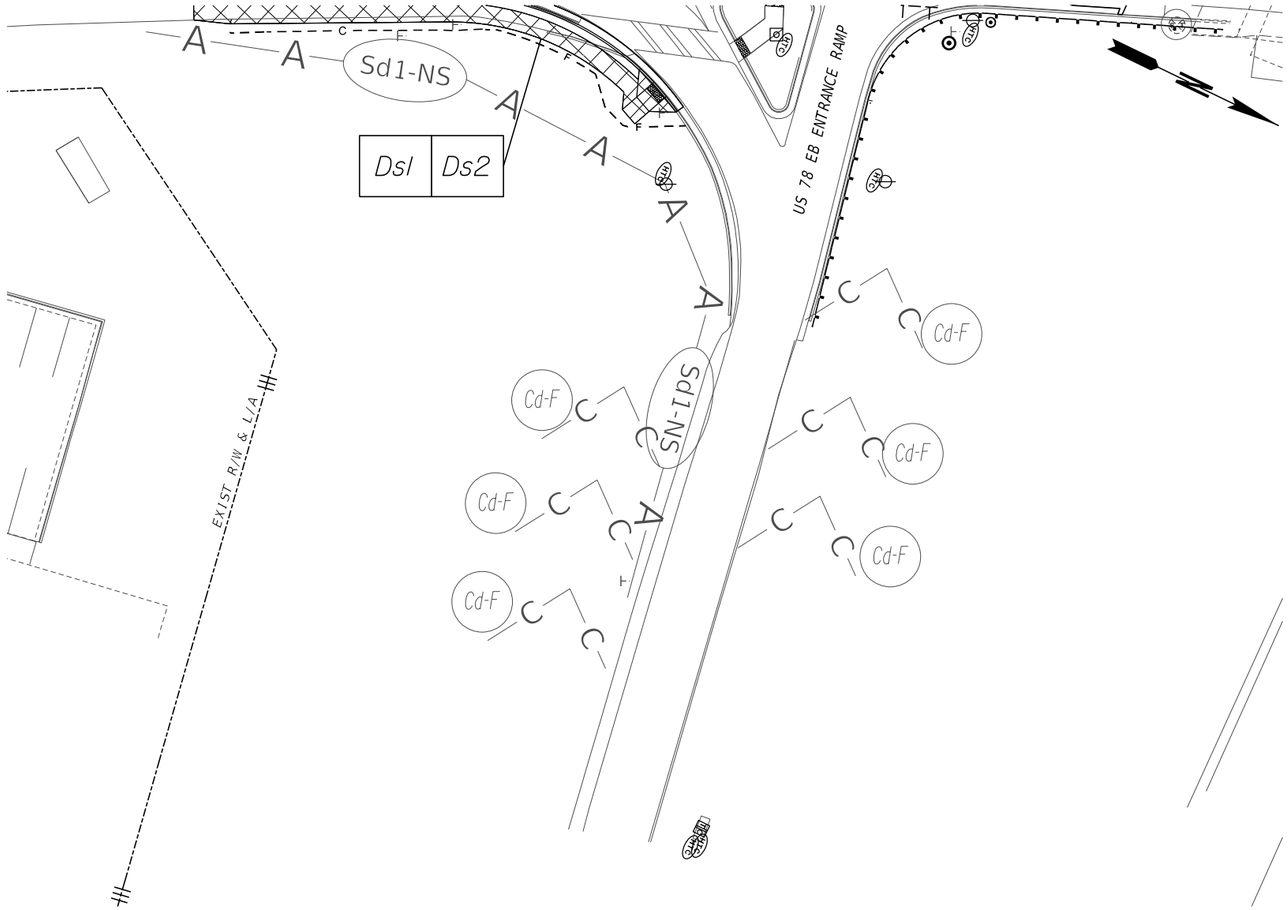
REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD
INTERMEDIATE PHASE - STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0031 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE 11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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Suite 100
Duluth, Georgia 30096
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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD
# INTERMEDIATE PHASE - STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0031A |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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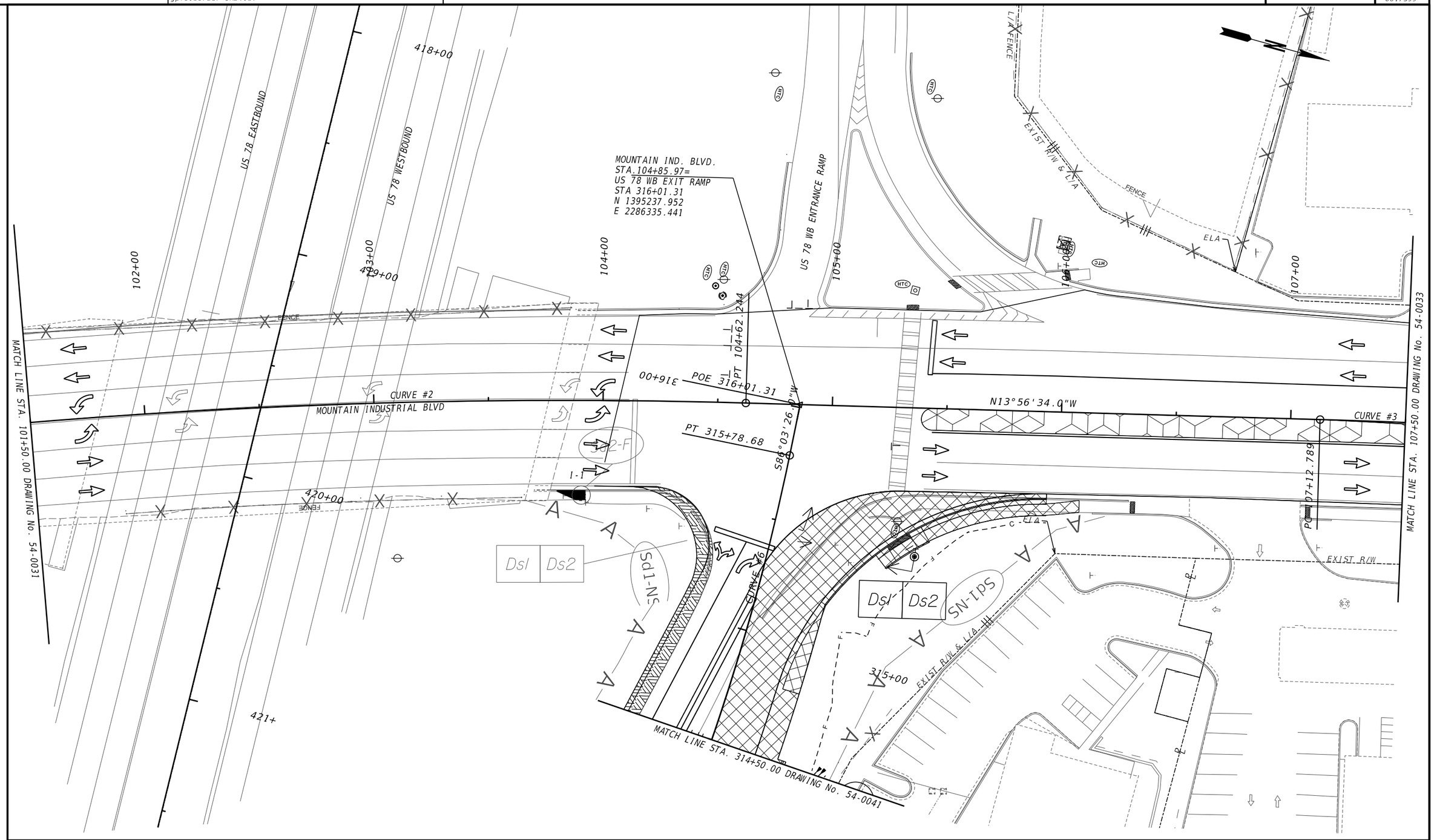
11/05/2020




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD
# INTERMEDIATE PHASE - STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0032 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE 11/05/2020

MATCH LINE STA. 107+50.00 DRAWING No. 54-0032

MATCH LINE STA. 113+50.00 DRAWING No. 54-0034

EXIST R/W

HIASCH DRIVE

108+00

109+00

110+00

PI 110+99.44

111+00

112+00

113+00

MOUNTAIN INDUSTRIAL BLVD

B-3

B-2

B-1

C-1

C-2

18"

CURVE #3

Sd2-F

HAMMERMILL ROAD

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS | BLA |
| END LIMIT OF ACCESS | ELA |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

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770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD
## INTERMEDIATE PHASE - STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0033 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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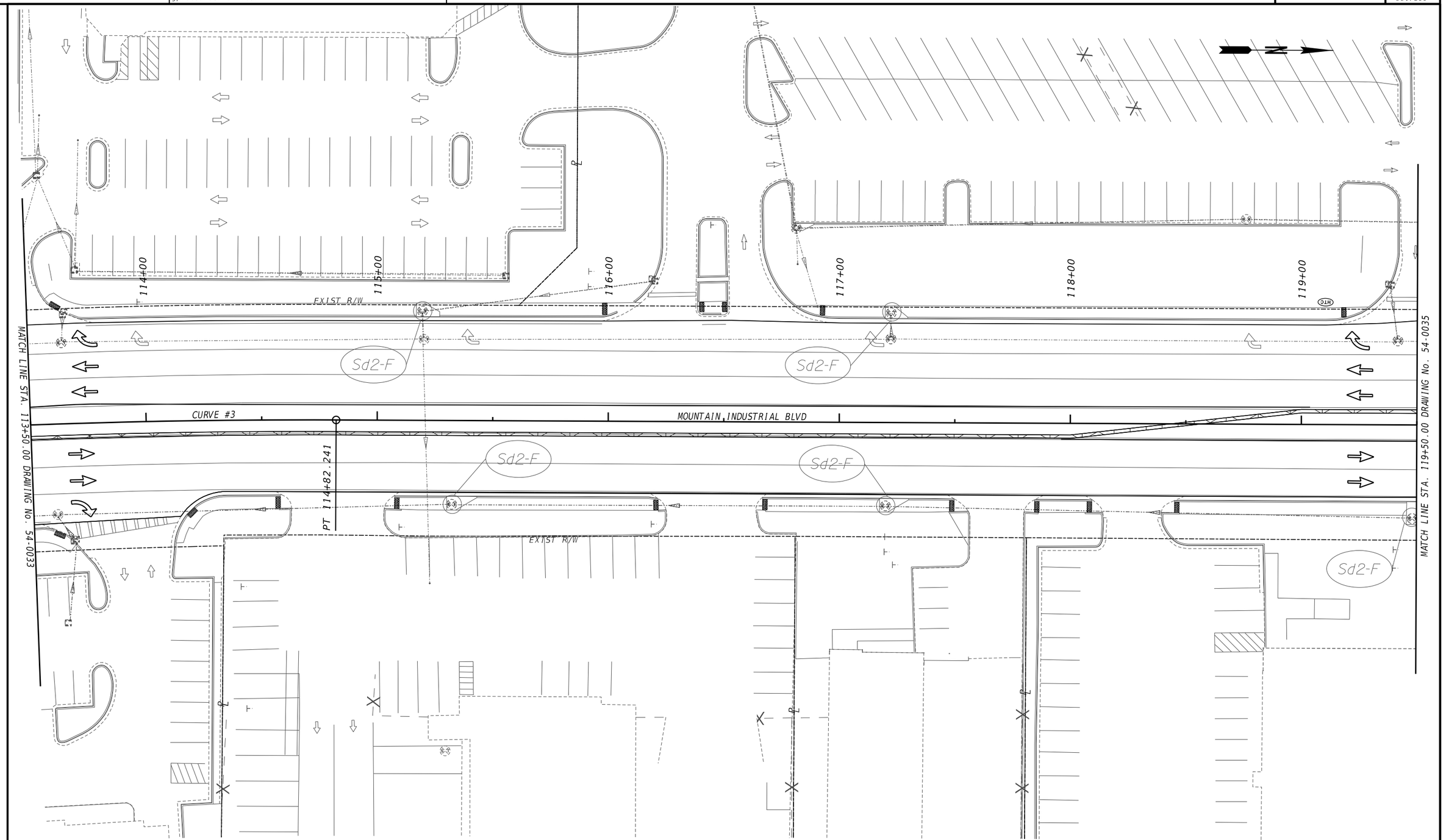
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

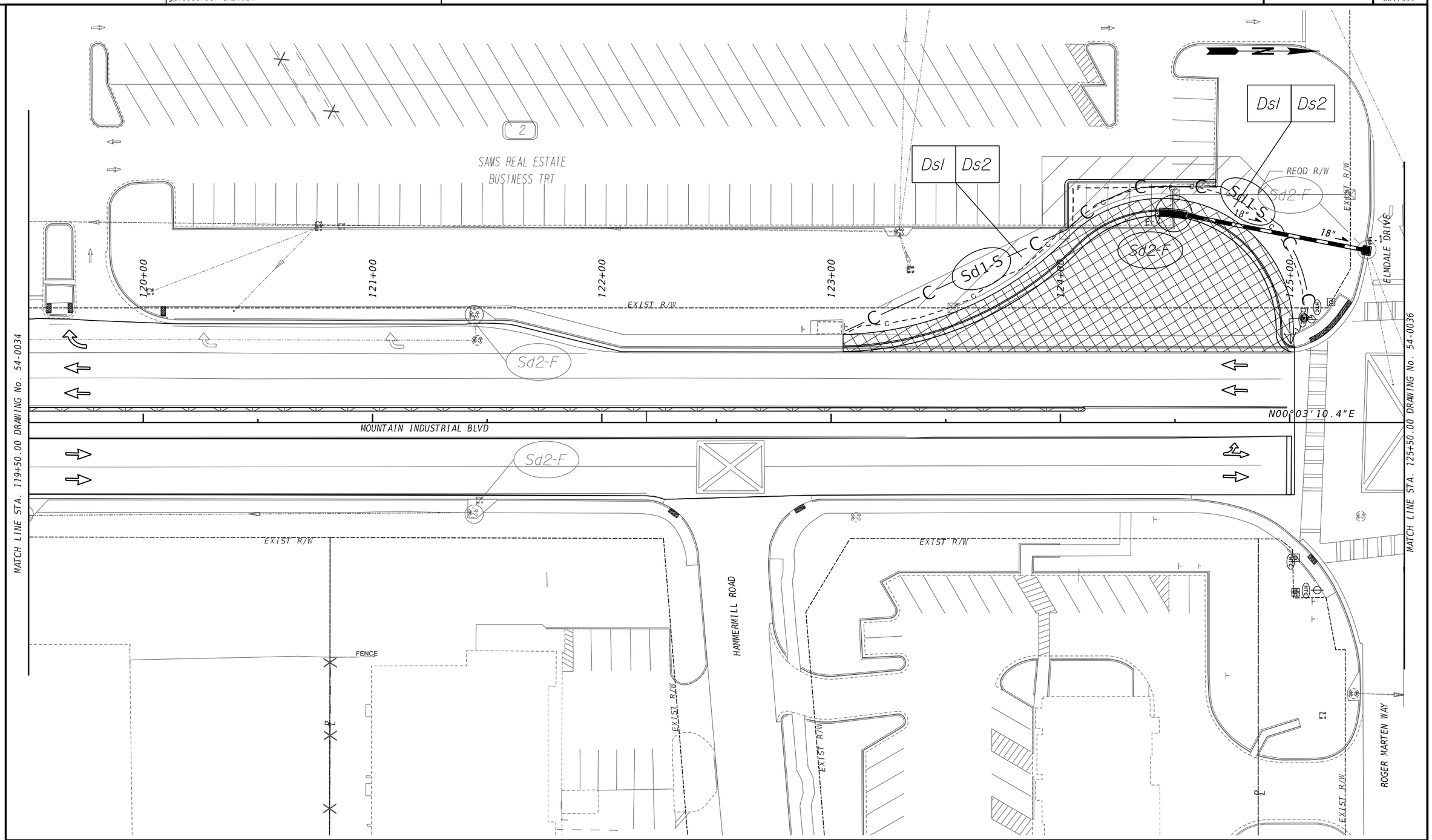
ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD
# INTERMEDIATE PHASE - STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0034 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD
# INTERMEDIATE PHASE - STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0035 |
| CORRECTED: | | DATE: | | |
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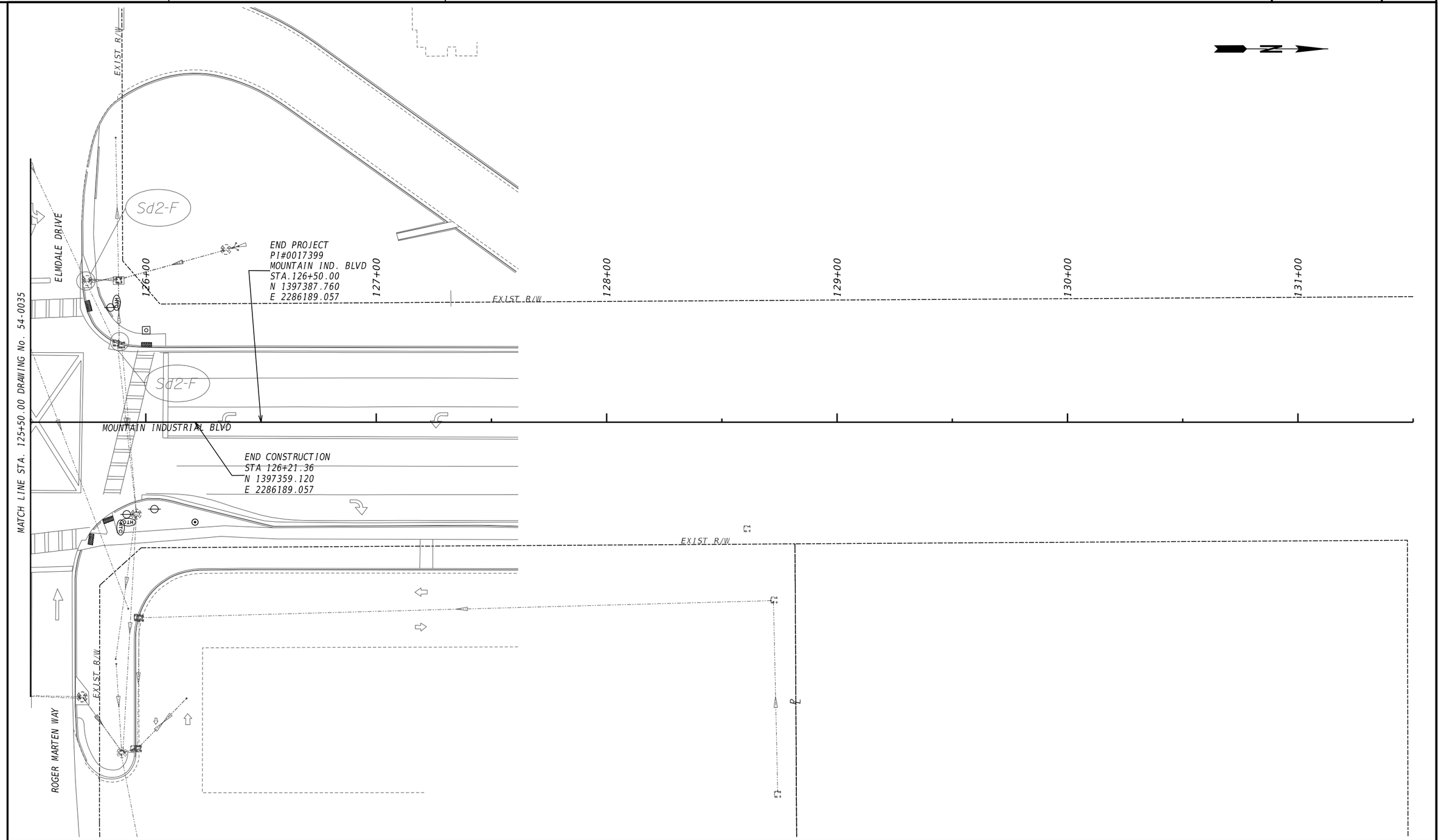


PROPERTY AND EXISTING R/W LINE ----------P----------
REQUIRED R/W LINE ——————————
CONSTRUCTION LIMITS — — C — — F — —
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS — — ooo — —
REQ'D LIMIT OF ACCESS ——— ooo ———
EXISTING LIMIT OF ACCESS & R/W ----------||----------
REQ'D LIMIT OF ACCESS & R/W ——————||——————
ORANGE BARRIER FENCE ●——●——●
ESA - ENV. SENSITIVE AREA ▼——▼——▼

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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## INTERMEDIATE PHASE - STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0036 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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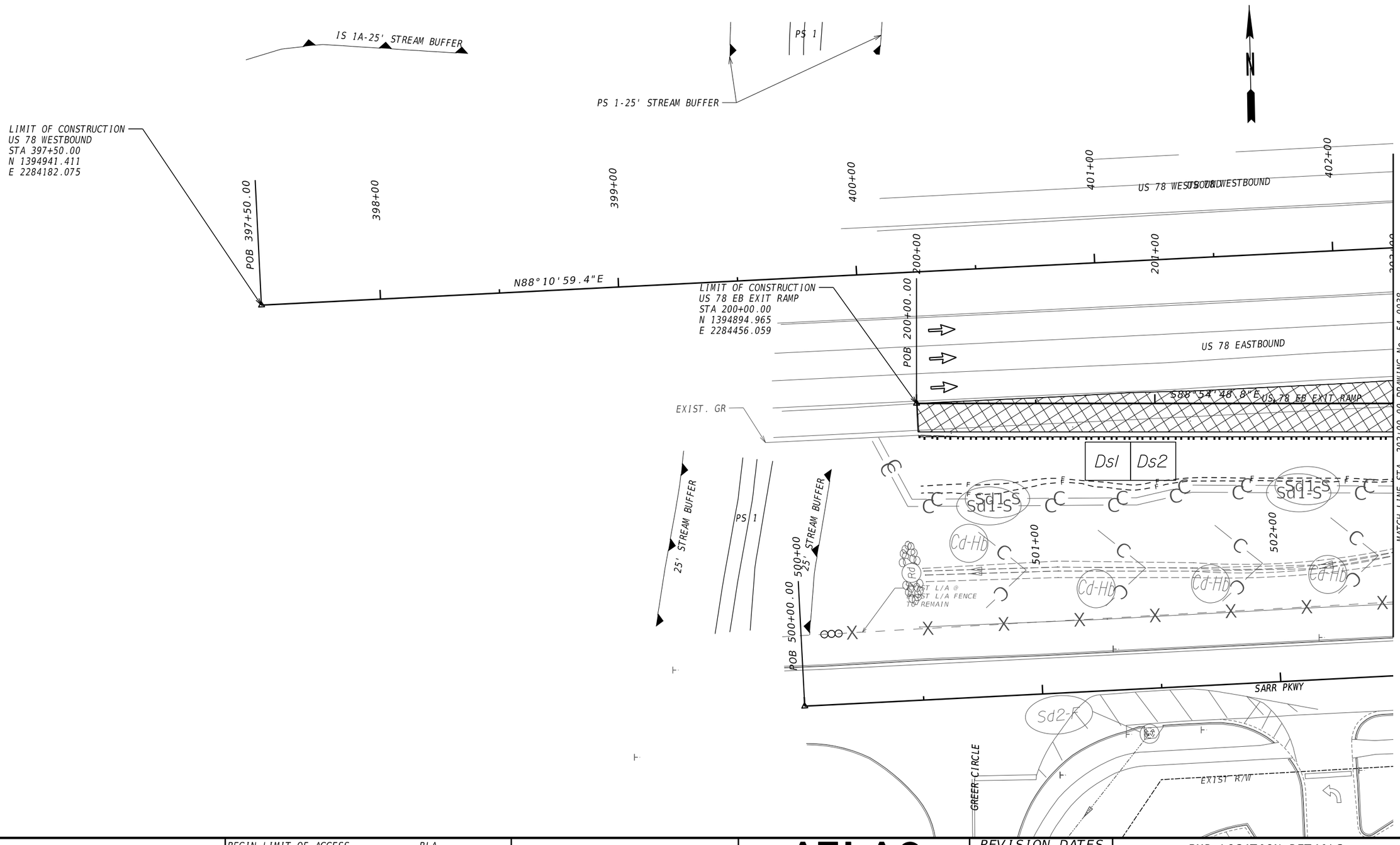
11/05/2020




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

ATLAS
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SCALE IN FEET
0 20 40 80

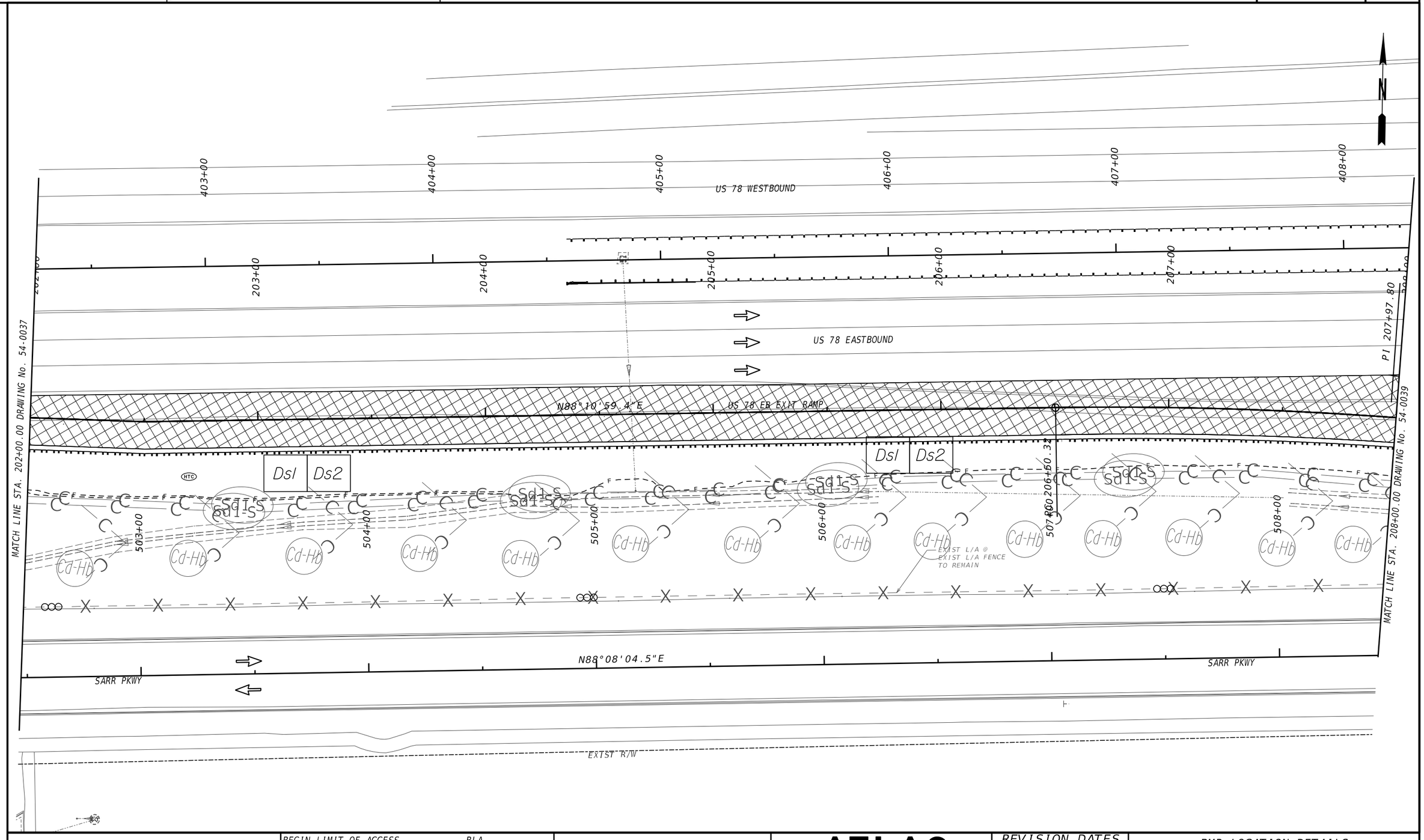
REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INTERMEDIATE PHASE - STAGE 2

| | | | |
|---|---|---|---|
| CHECKED: | | DATE: | |
| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No. 54-0037

GPLN-CE 11/05/2020




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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SCALE IN FEET
0 20 40 80

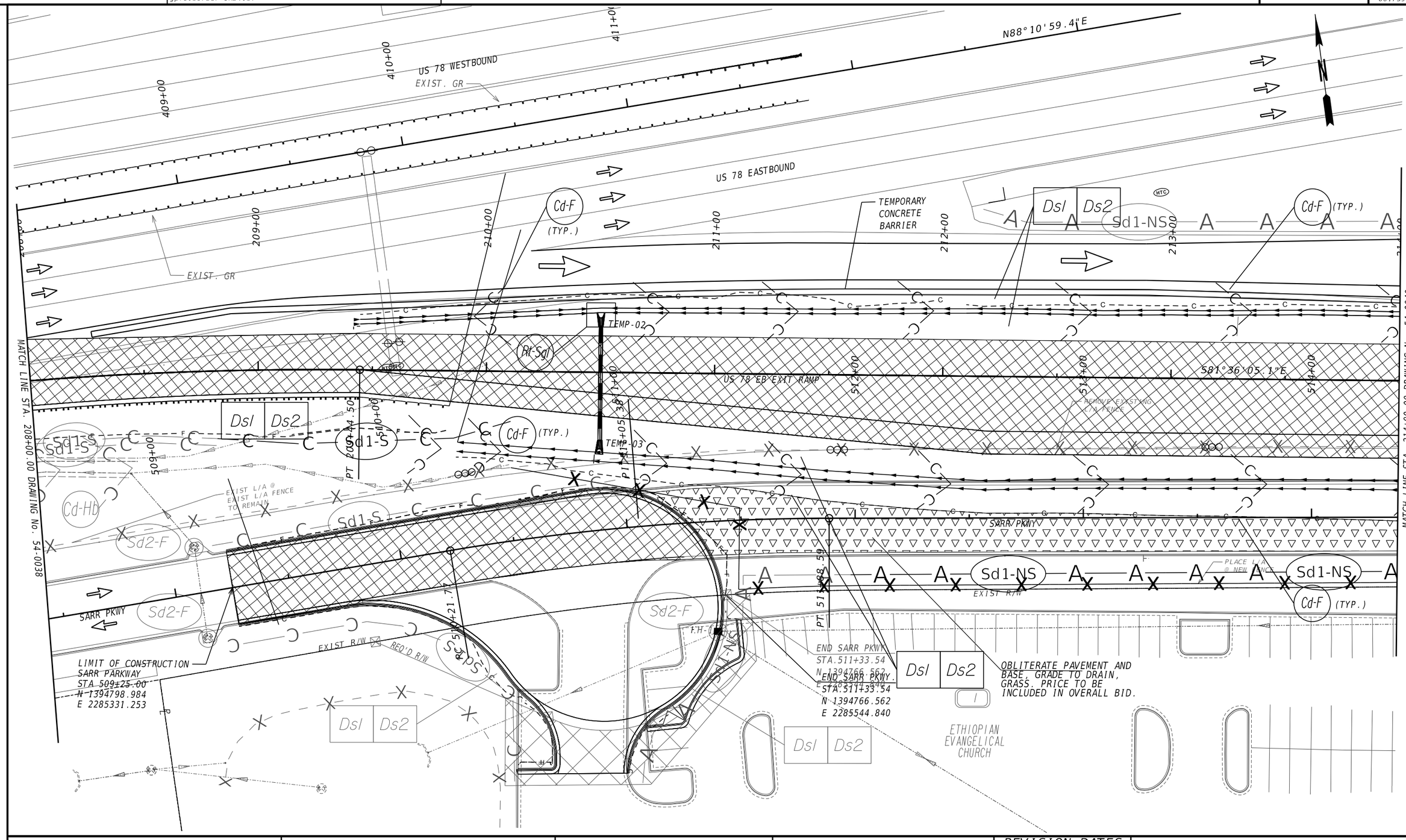
REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INTERMEDIATE PHASE - STAGE 2

| | | | |
|---|---|---|---|
| CHECKED: | | DATE: | |
| BACKCHECKED: | | DATE: | |
| CORRECTED: | | DATE: | |
| VERIFIED: | | DATE: | |

DRAWING No. 54-0038

GPLN-CE 11/05/2020




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS | BLA |
| END LIMIT OF ACCESS | ELA |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

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REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INTERMEDIATE PHASE - STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0039 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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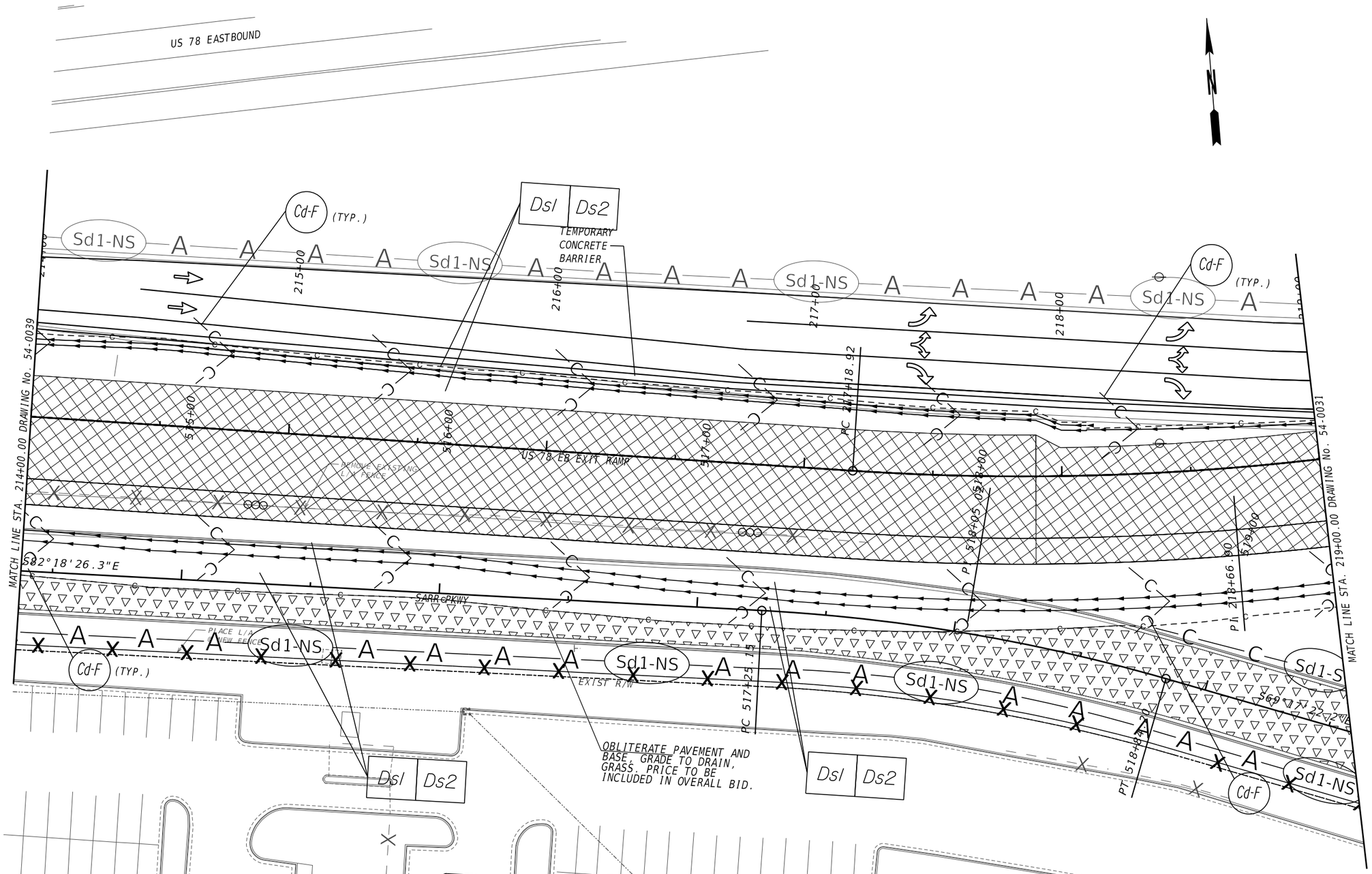
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# INTERMEDIATE PHASE - STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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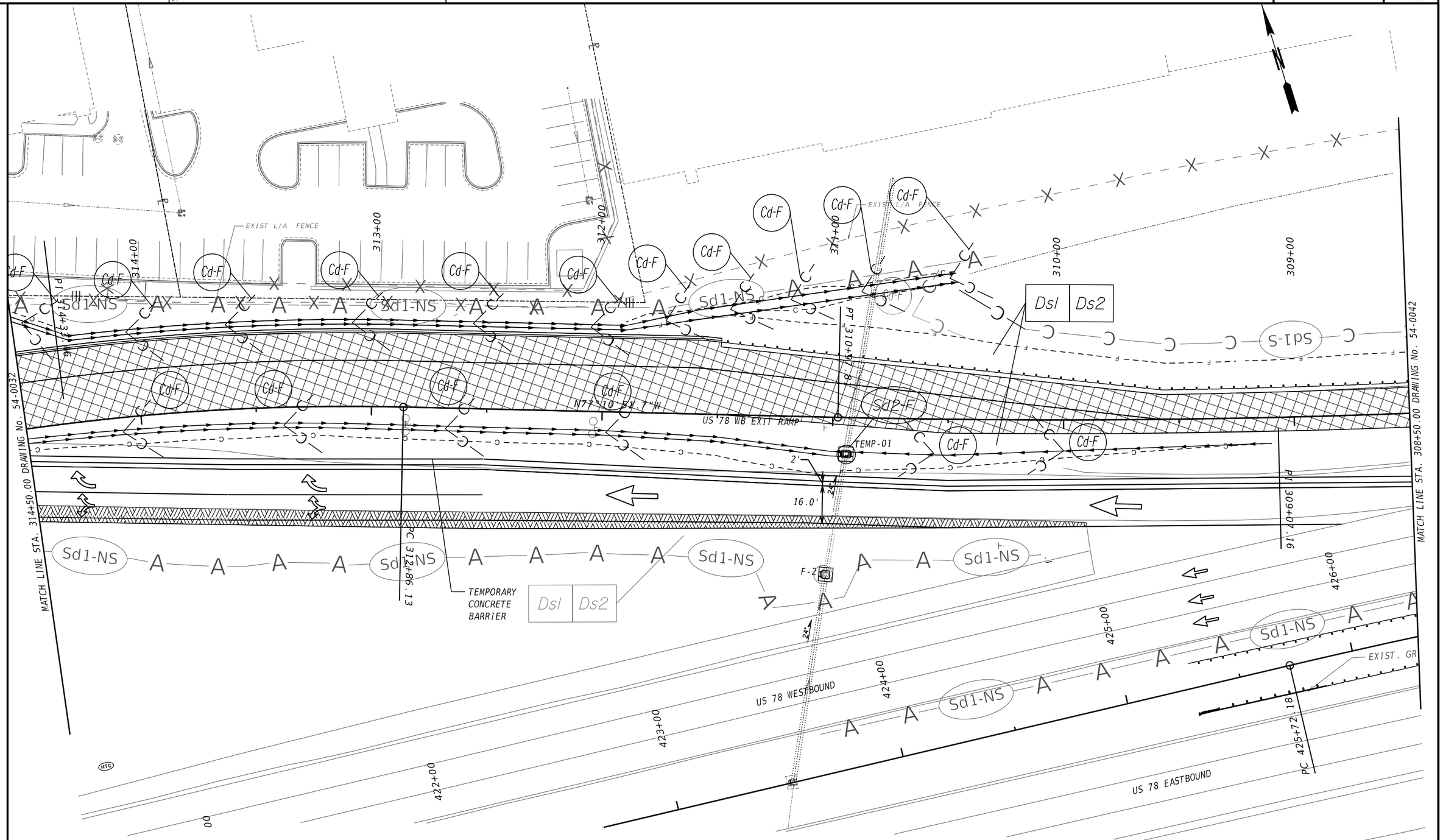


| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

ATLAS
2450 Commerce Avenue
Suite 100
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770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## INTERMEDIATE PHASE - STAGE 2

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|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0041 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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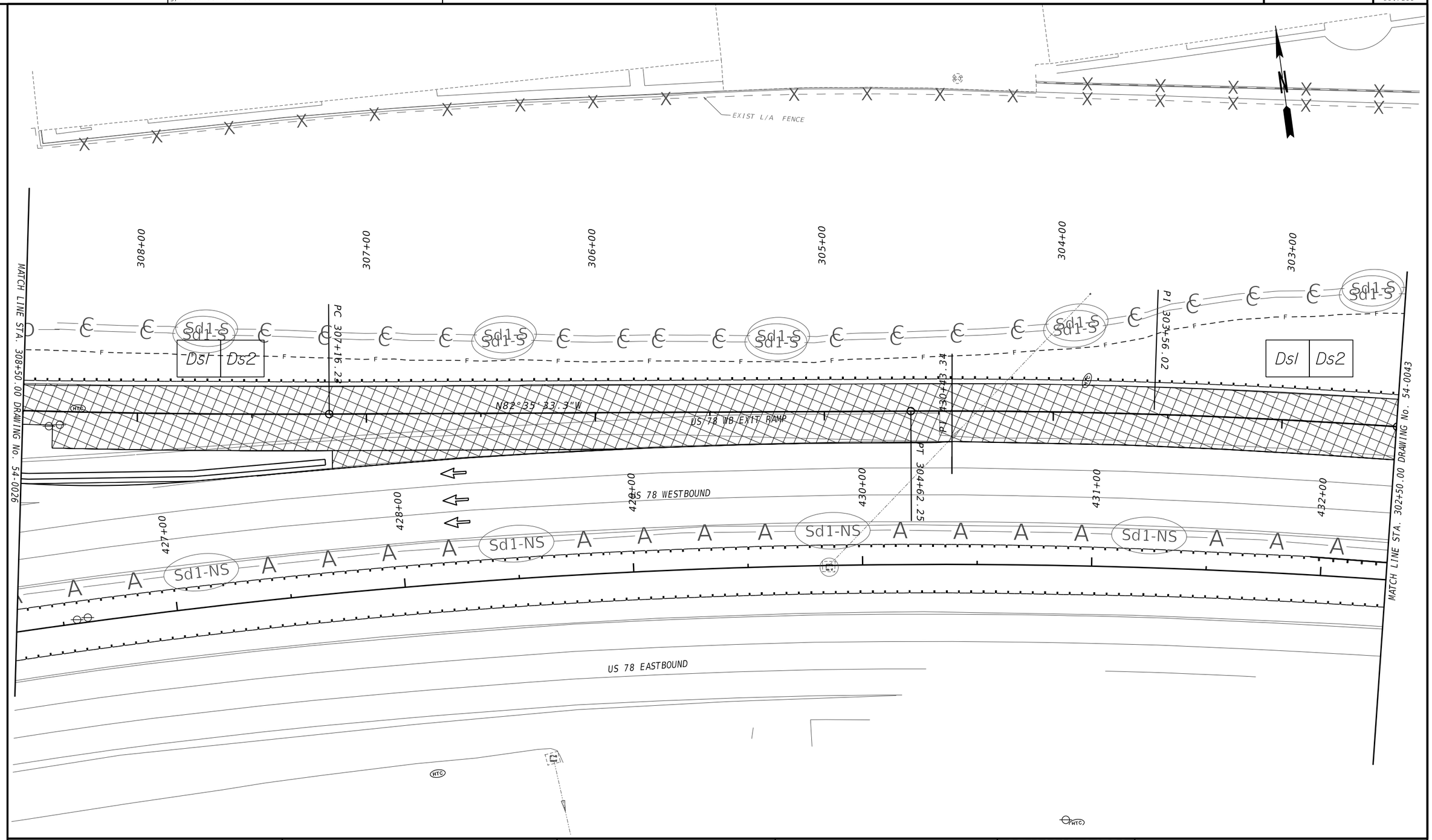


| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## INTERMEDIATE PHASE - STAGE 2

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0042 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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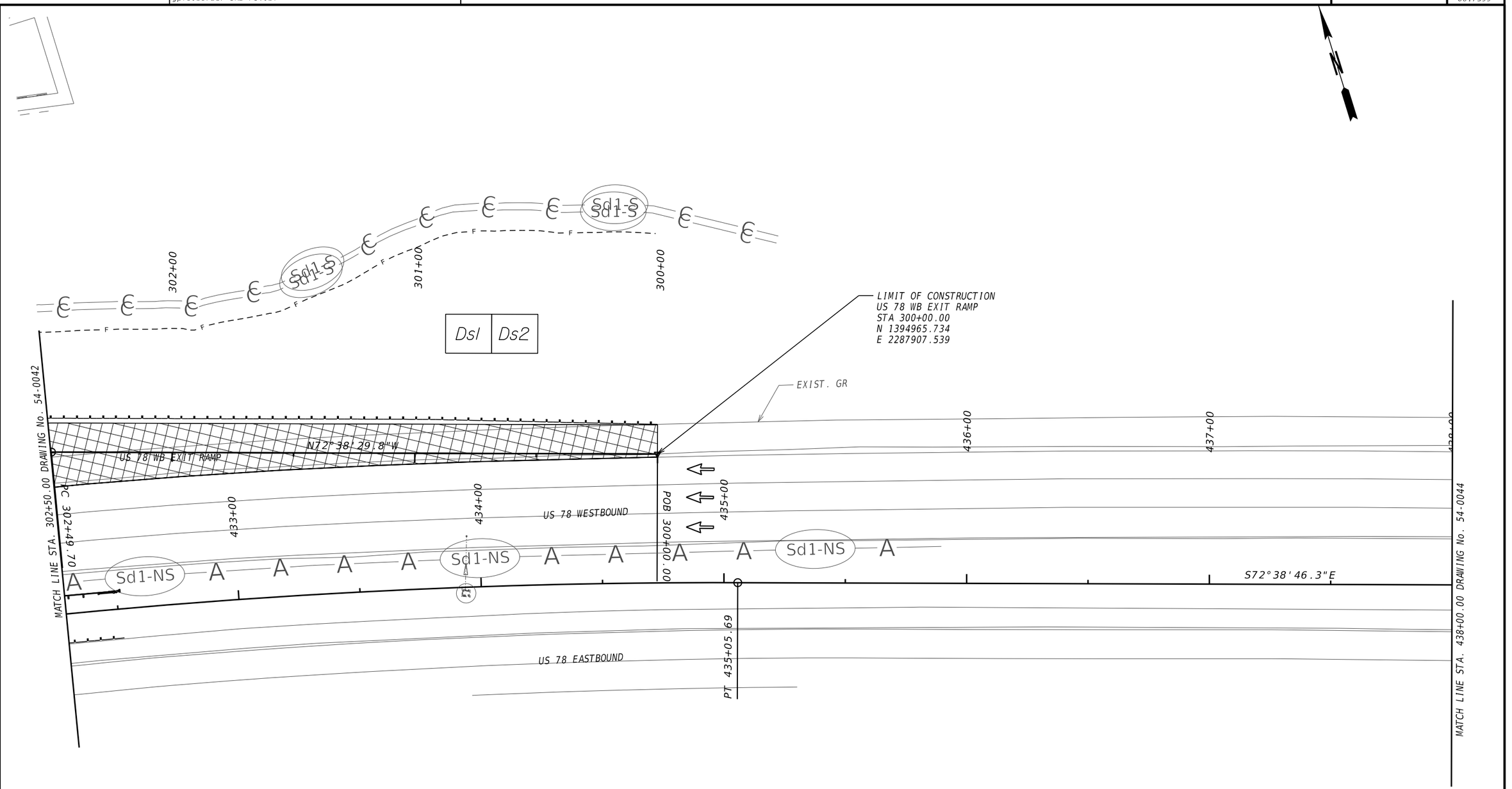


| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INTERMEDIATE PHASE - STAGE 2

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|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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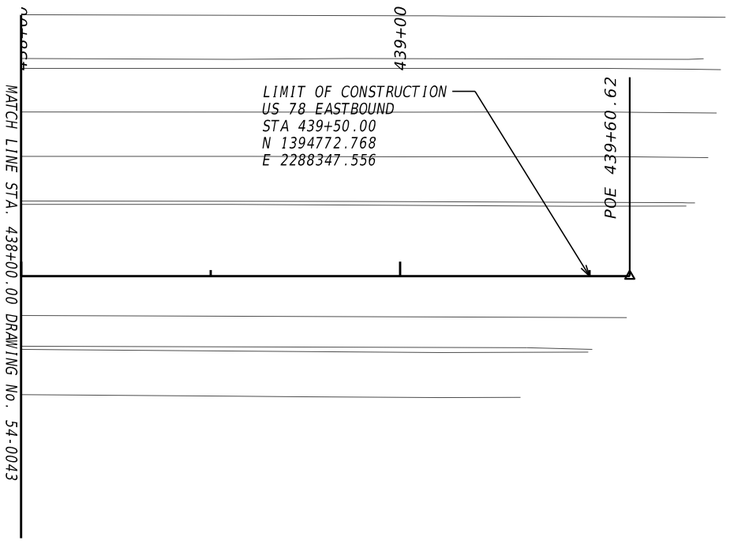


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INTERMEDIATE PHASE - STAGE 2

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 54-0044

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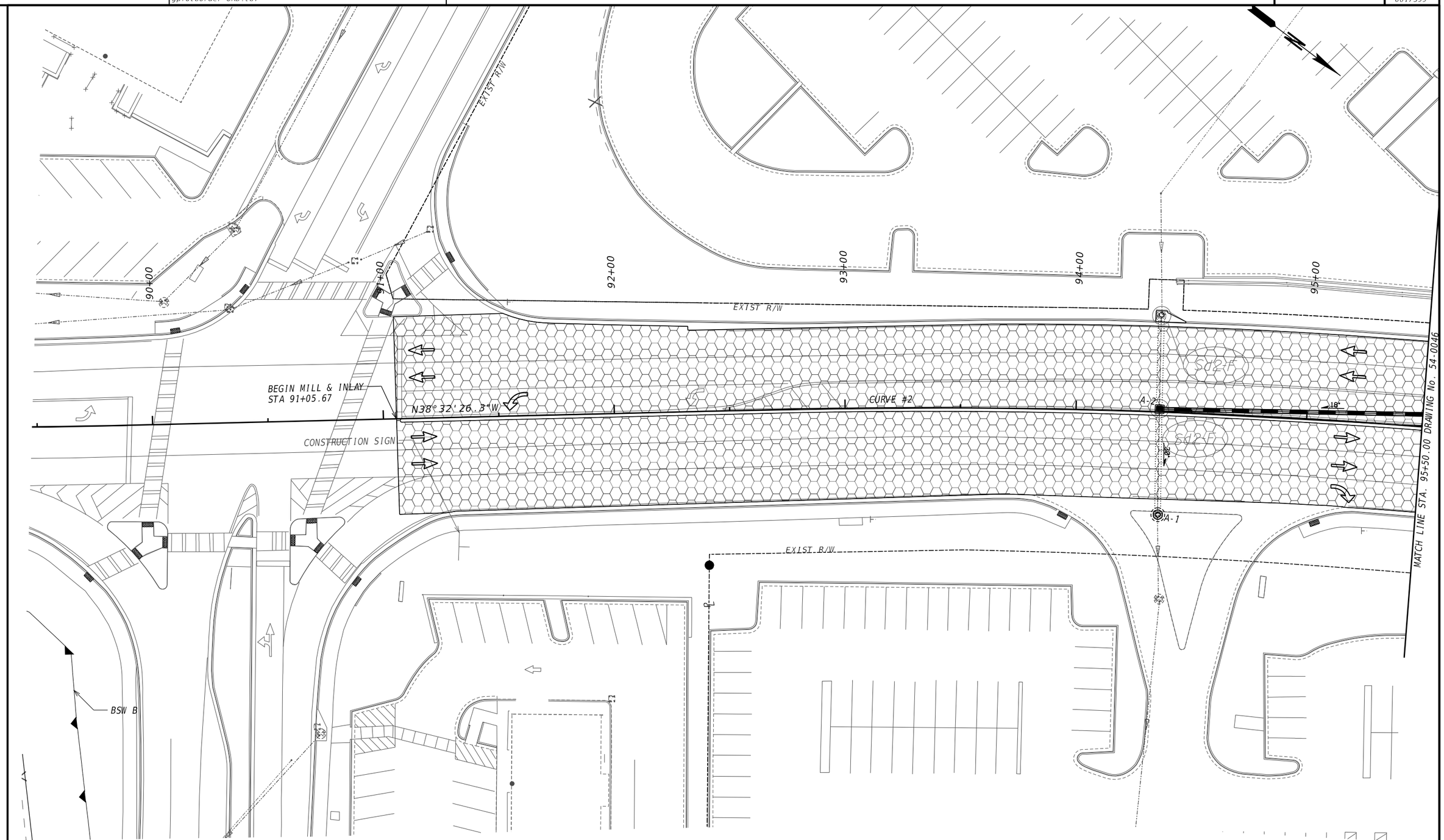


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD
INTERMEDIATE PHASE - STAGE 3

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|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0045 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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ETHIOPIAN EVANGELICAL CHURCH

MATCH LINE STA. 95+50.00 DRAWING No. 54-0045

MATCH LINE STA. 219+00.00 DRAWING No. 54-0055

MATCH LINE STA. 101+50.00 DRAWING No. 54-0047

EXIST R/W

EXIST R/W & L/A

PI 520+54.35

PC 519+94.04

PT 521+07.90

520+00

95+00

96+00

97+00

98+00

99+00

100+00

101+00

220+00

N 61°10'33.74" E

CURVE #2

POE 521+57.85

CURVE #5

MOUNTAIN IND. BLVD
STA 98+82.58=
SARR PKWY
STA 521+57.85
N 1394670.873
E 2286538.282

MOUNTAIN IND. BLVD
STA 100+00.00=
US 78 EB EXIT RAMP
STA 220+44.00
N 1394777.607
E 2286489.235

PROP. SIGNAL POLE
STA.99+59.52
71.45' LT

END DITCH
STA. 219+50.63
44.00' LT

PROP. SIGNAL POLE
STA.100+23.47
50.14' RT

Sd1-NS

Sd2-F

Dsl | Ds2

Cd-F

A-3

18'

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS | BLA |
| END LIMIT OF ACCESS | ELA |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

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REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD
# INTERMEDIATE PHASE - STAGE 3

| | | | |
|---|---|---|---|
| CHECKED: | | DATE: | |
| BACKCHECKED: | | DATE: | |
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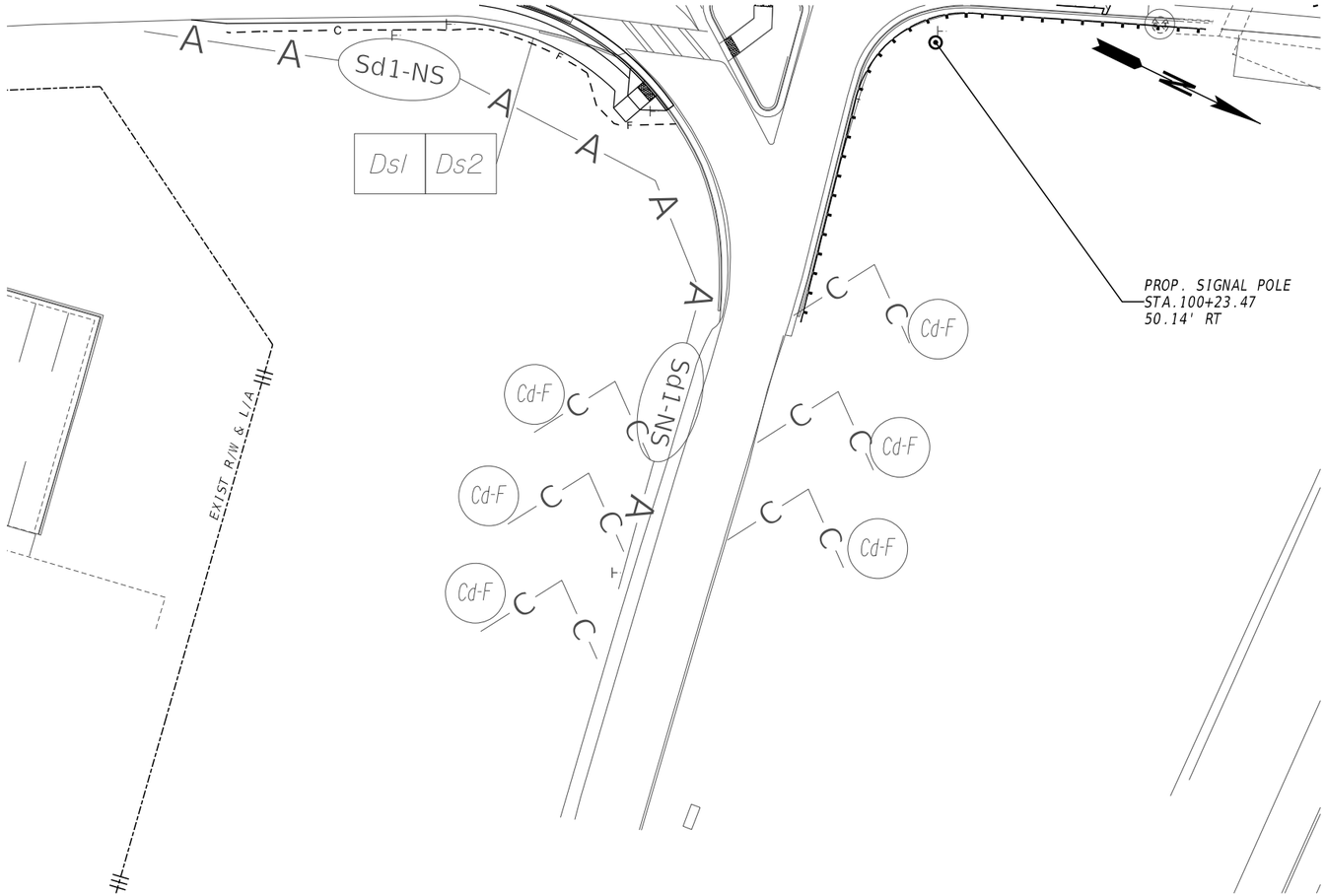
| VERIFIED: | | DATE: | |

DRAWING No. 54-0046

GPLN-CE 11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD
INTERMEDIATE PHASE - STAGE 3

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
54-0046A

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418+00
419+00
420+00
421+
102+00
103+00
104+00
105+00
106+00
107+00
316+00

END EXIST
CONC APPR SLAB
BEGIN MILL & INLAY
STA.104+07.00

MOUNTAIN IND. BLVD.
STA.104+85.97=
US 78 WB EXIT RAMP
STA 316+01.31
N 1395237.952
E 2286335.441

L/A FENCE
EXIST R/W & L/A
ELA

PROP. 10' PED POLE
STA.104+82.50
52.75' RT

N13°56'34.0"W

CURVE #2
CURVE #3
CURVE #6

PROP. 10' PED POLE
STA.104+25.69
49.55' RT

Dsl | Ds2
ScP4
Cd-F
SN-IPS

EXIST R/W & L/A

MATCH LINE STA. 101+50.00 DRAWING No. 54-0046
MATCH LINE STA. 107+50.00 DRAWING No. 54-0048
MATCH LINE STA. 314+50.00 DRAWING No. 54-0056

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD
# INTERMEDIATE PHASE - STAGE 3

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| CHECKED: | | DATE: | | DRAWING No. |
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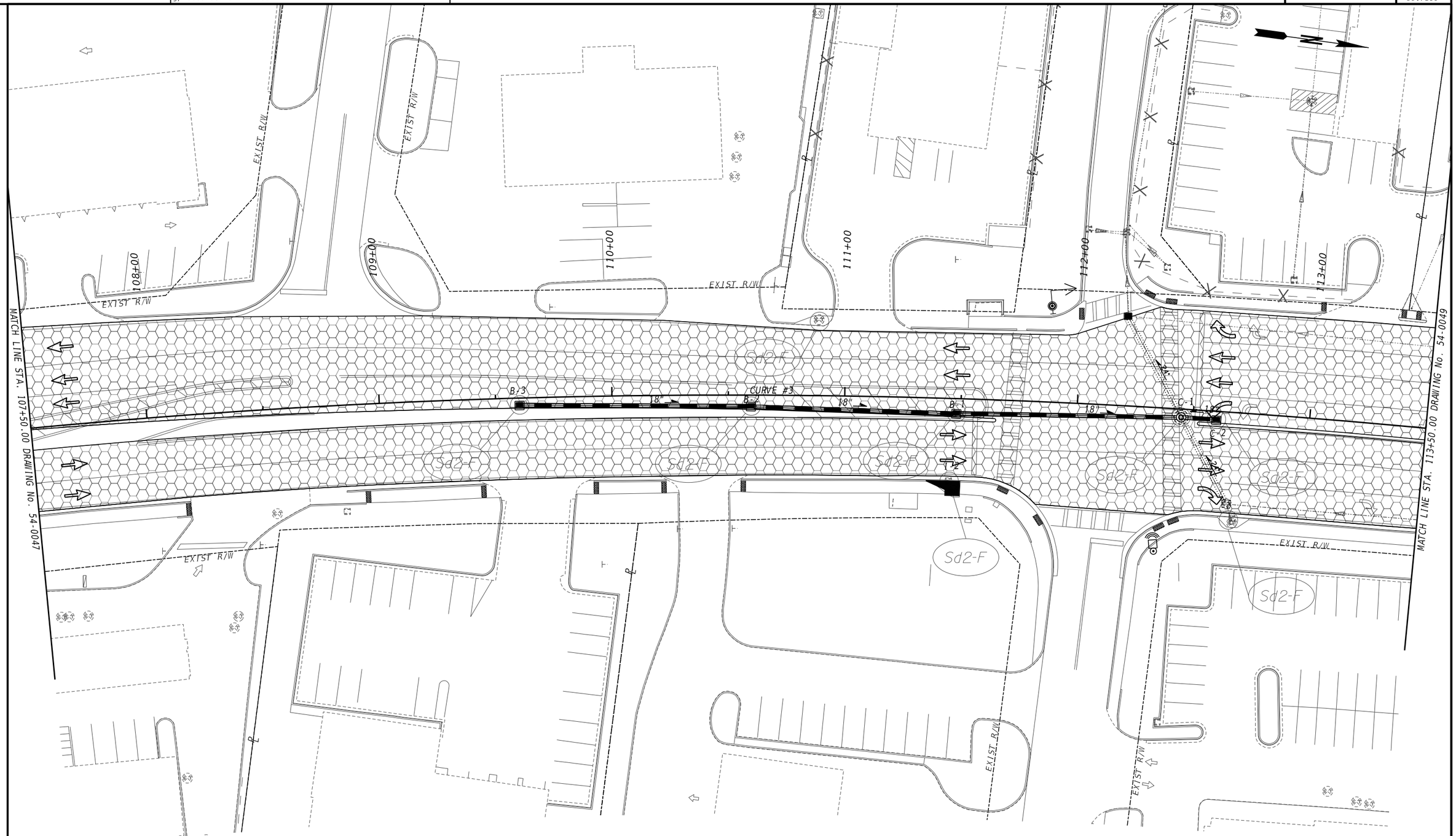


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD
## INTERMEDIATE PHASE - STAGE 3

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| CHECKED: | | DATE: | | DRAWING No. |
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| VERIFIED: | | DATE: | | |

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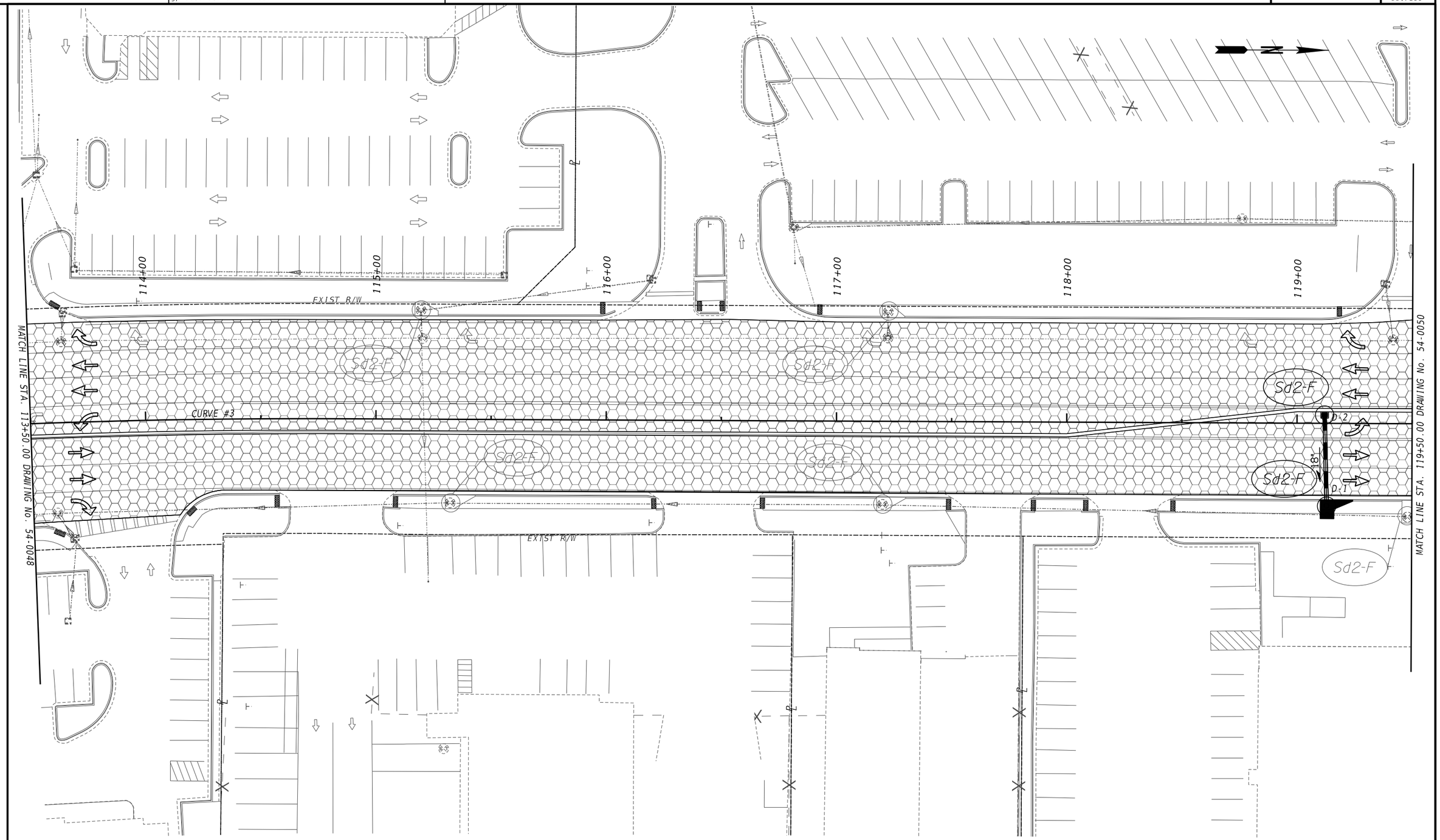


| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD
# INTERMEDIATE PHASE - STAGE 3

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|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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| VERIFIED: | | DATE: | | |

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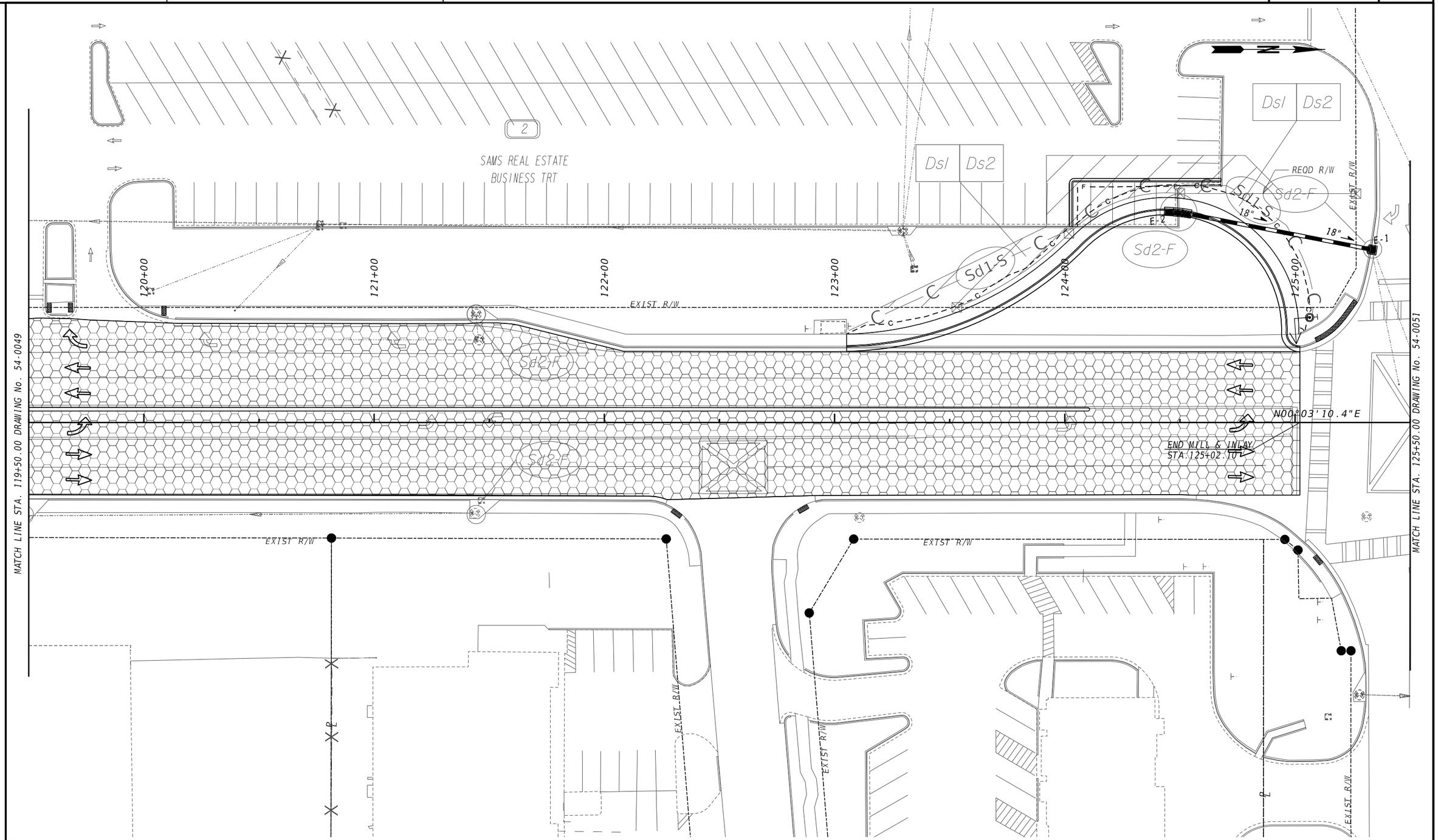


| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD
# INTERMEDIATE PHASE - STAGE 3

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|---|---|---|---|---|
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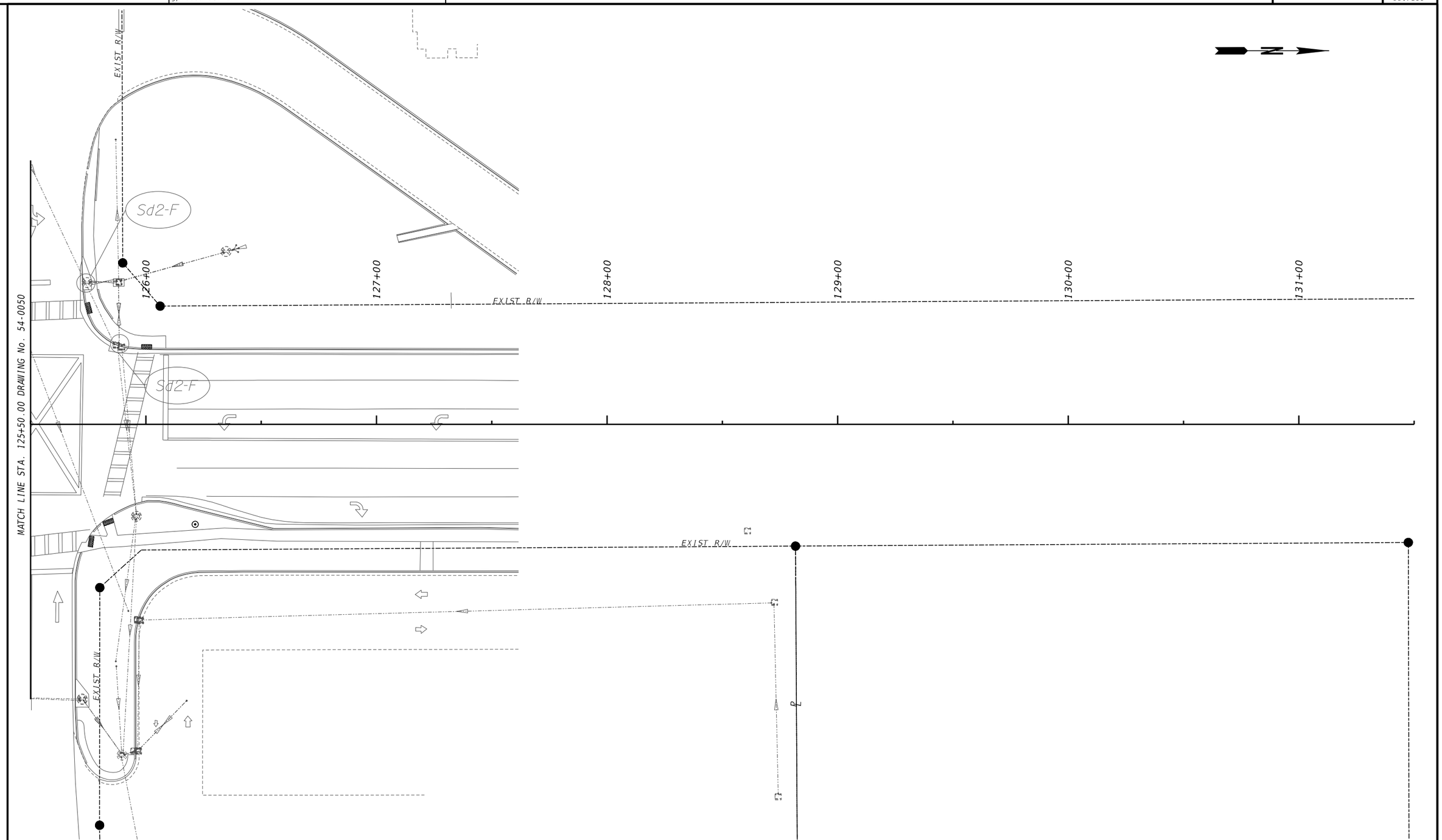


| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS | BLA |
| END LIMIT OF ACCESS | ELA |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

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0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## INTERMEDIATE PHASE - STAGE 3

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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| CORRECTED: | | DATE: | | |
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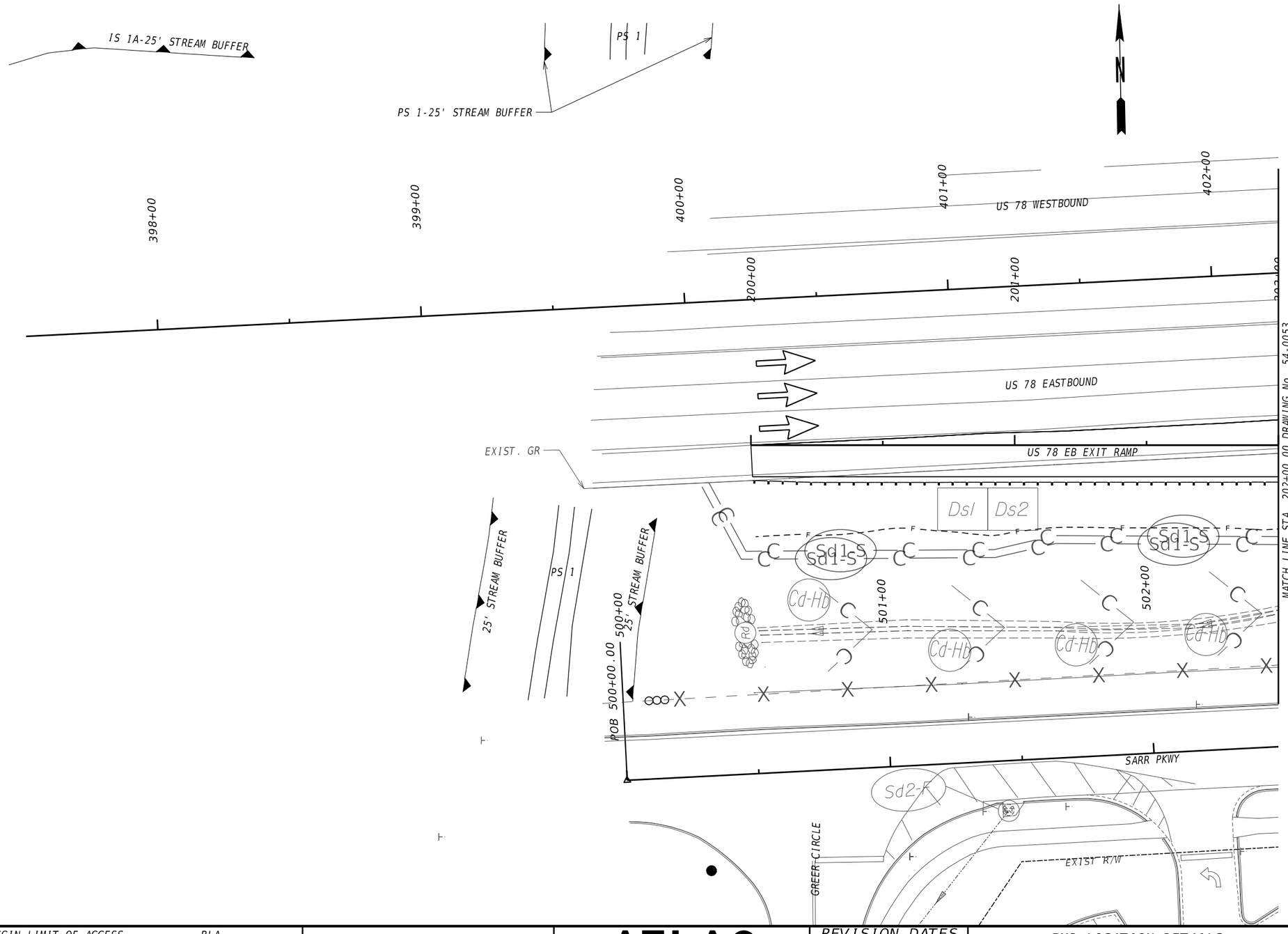
11/05/2020




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INTERMEDIATE PHASE - STAGE 3

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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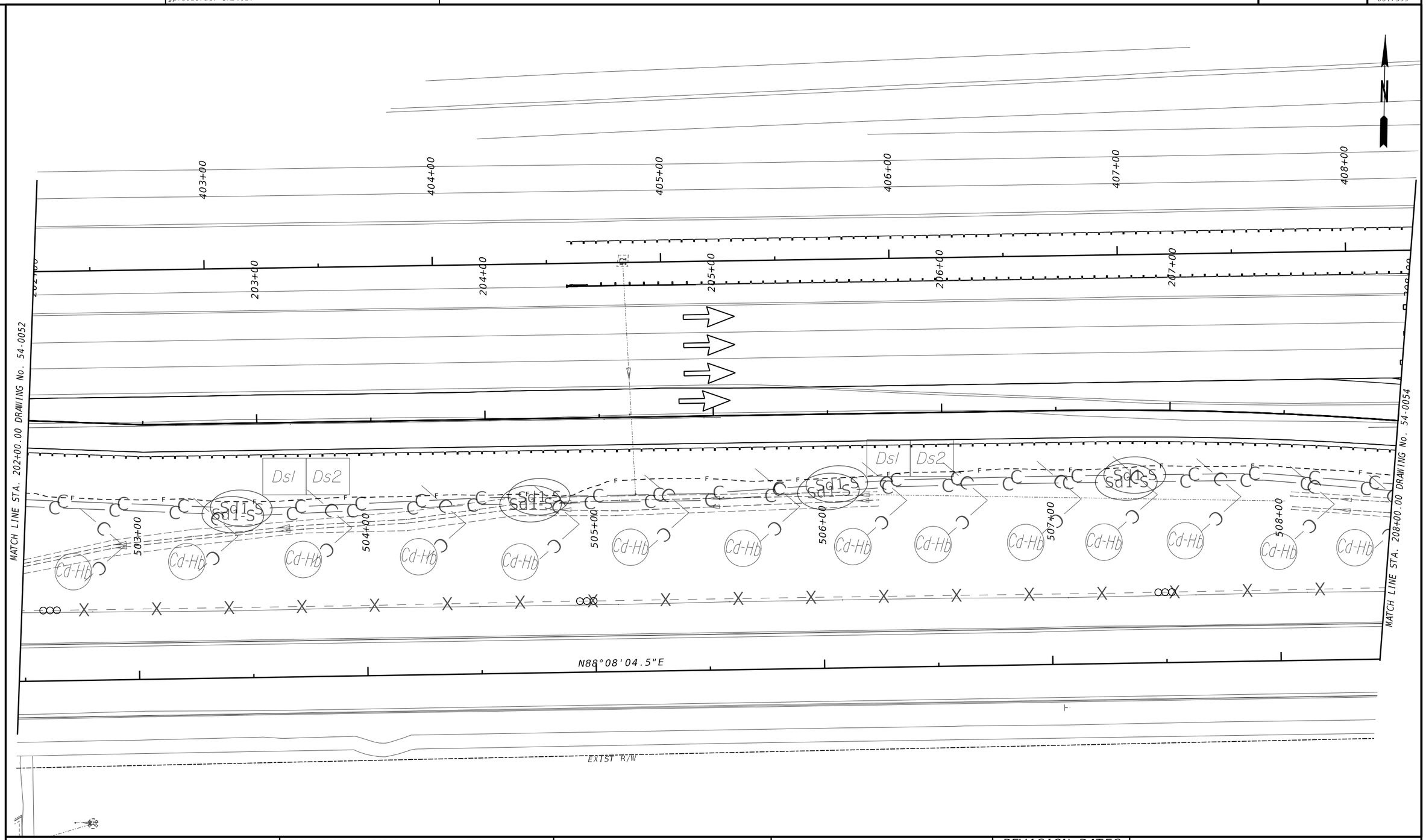
11/05/2020




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# INTERMEDIATE PHASE - STAGE 3

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0053 |
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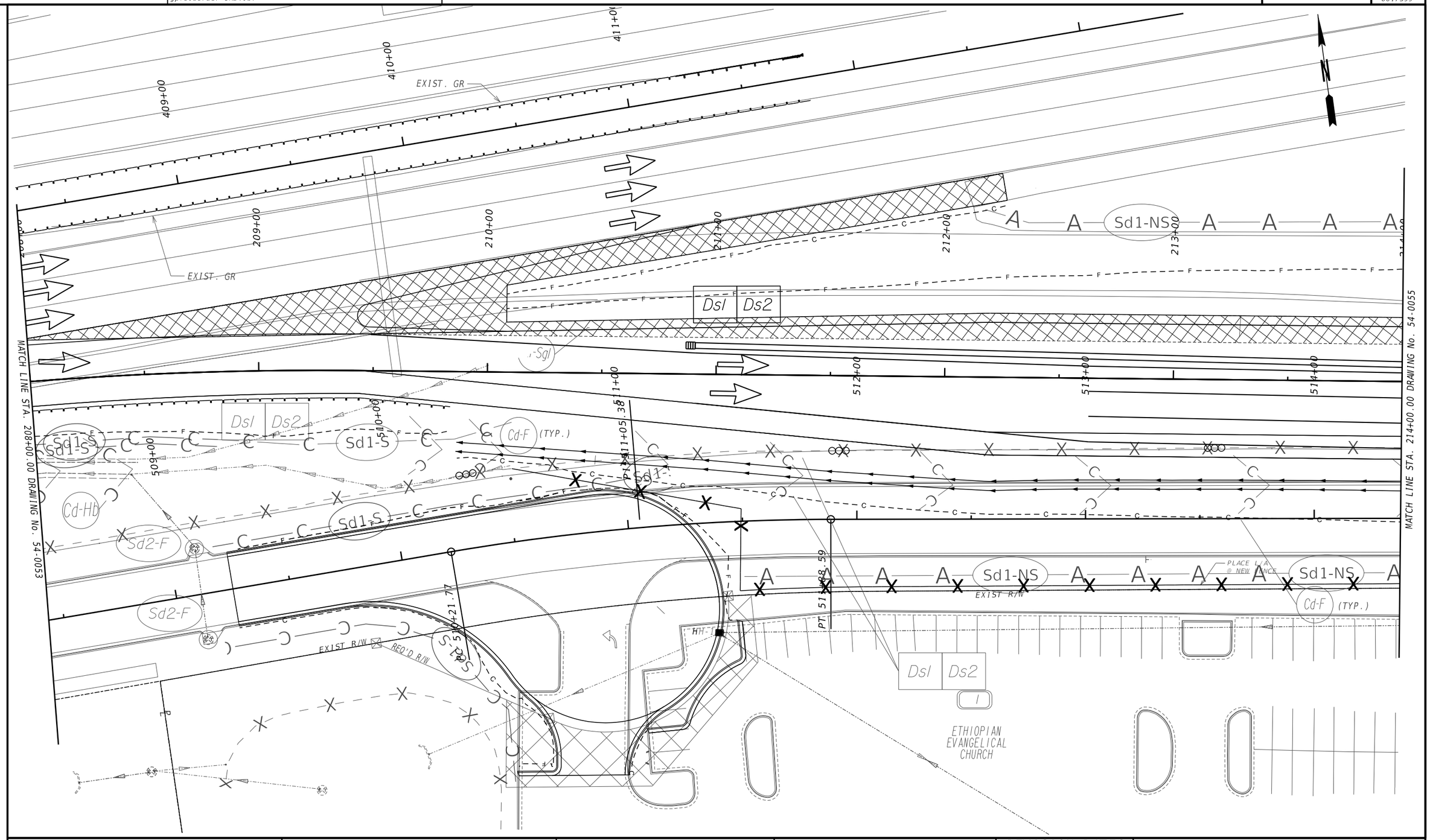


| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
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REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INTERMEDIATE PHASE - STAGE 3

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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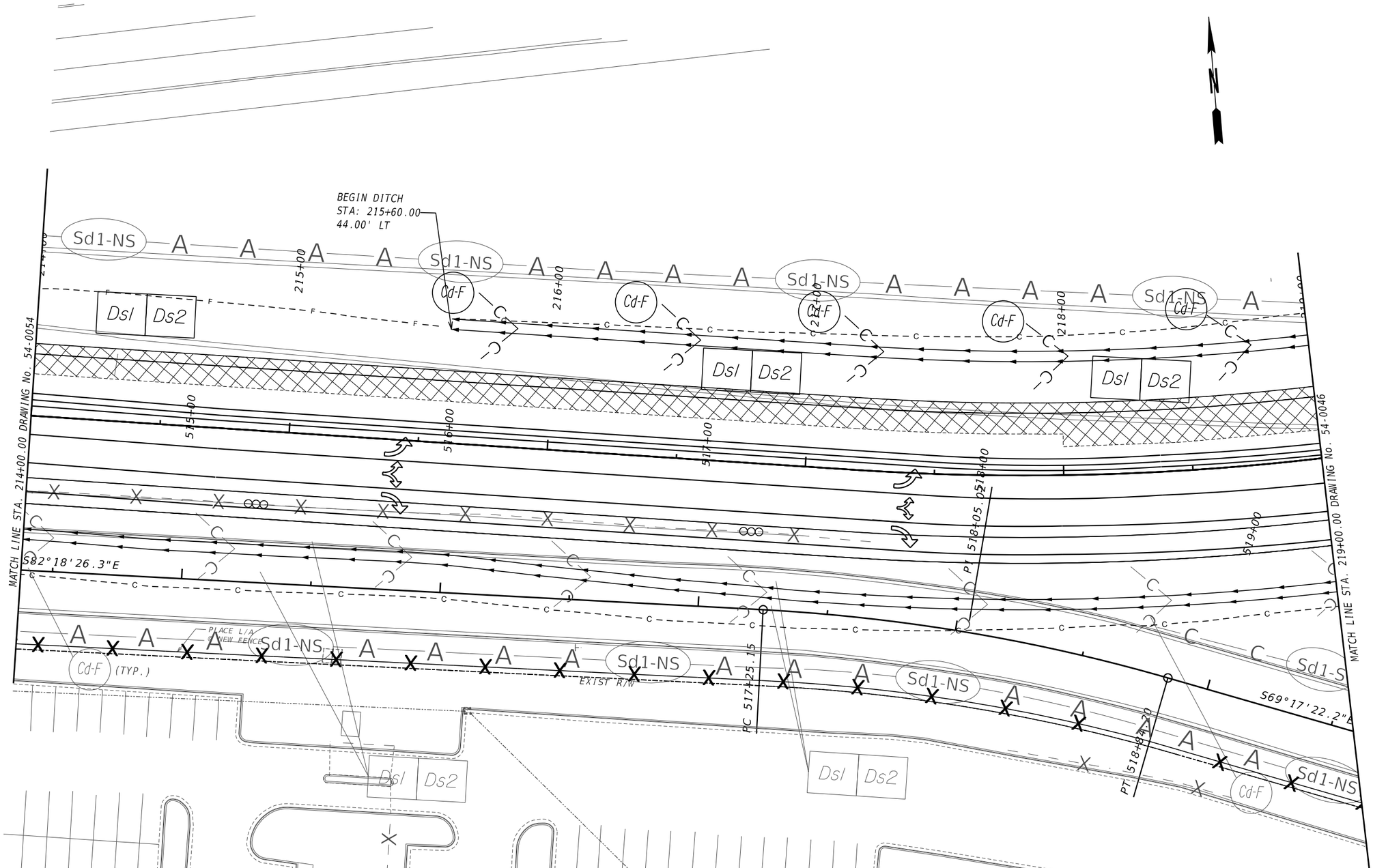
11/05/2020




| | | | |
|---|---|---|---|
| PROPERTY AND EXISTING R/W LINE | P | BEGIN LIMIT OF ACCESS.....BLA | |
| REQUIRED R/W LINE | | END LIMIT OF ACCESS.....ELA | |
| CONSTRUCTION LIMITS | C F | EXISTING LIMIT OF ACCESS | |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | | REQ'D LIMIT OF ACCESS | |
| EASEMENT FOR CONSTR OF SLOPES | | EXISTING LIMIT OF ACCESS & R/W | |
| EASEMENT FOR CONSTR OF DRIVES | | REQ'D LIMIT OF ACCESS & R/W | |
| | | ORANGE BARRIER FENCE | |
| | | ESA - ENV. SENSITIVE AREA | |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## INTERMEDIATE PHASE - STAGE 3

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0055 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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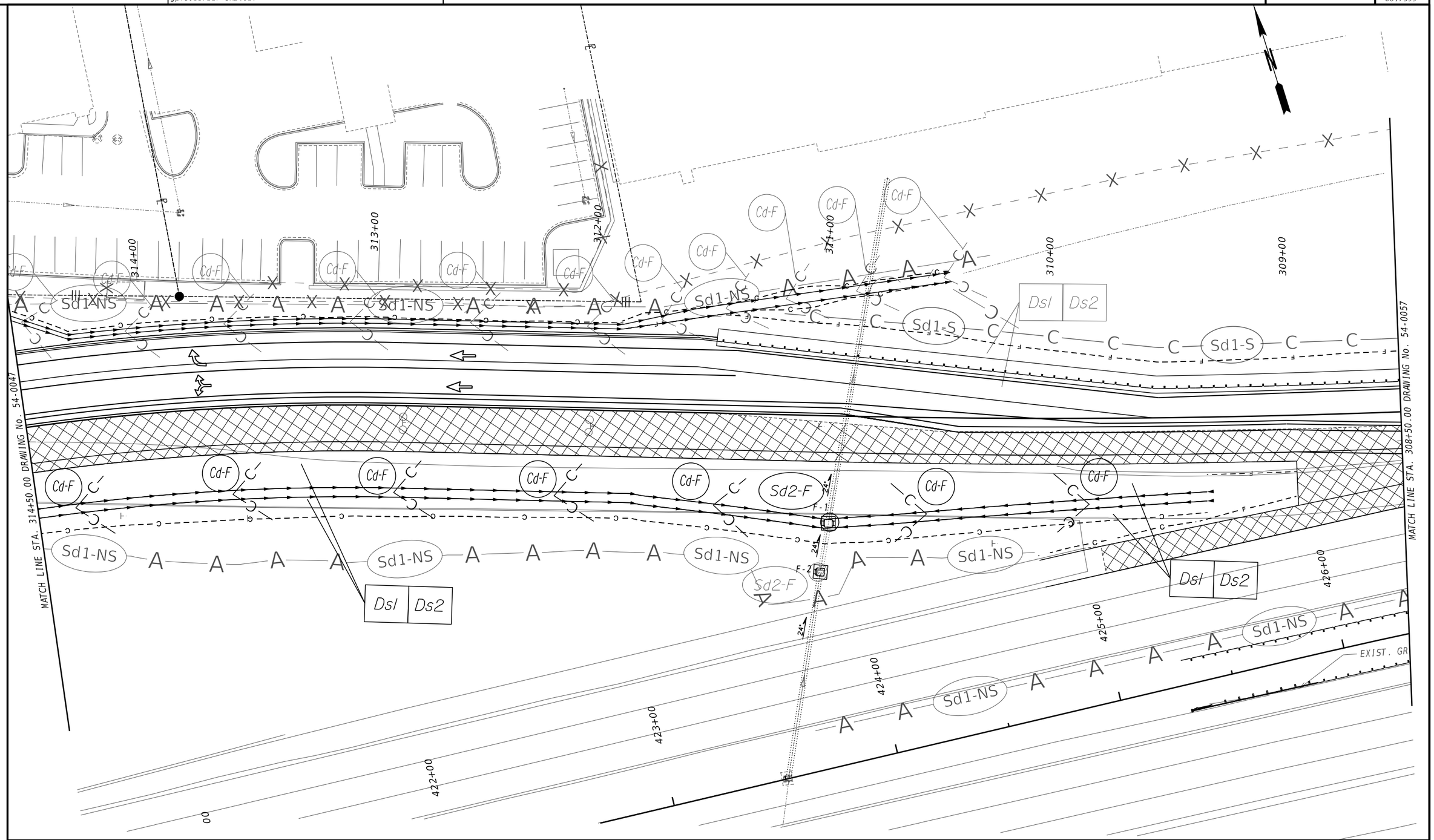
11/05/2020




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INTERMEDIATE PHASE - STAGE 3

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0056 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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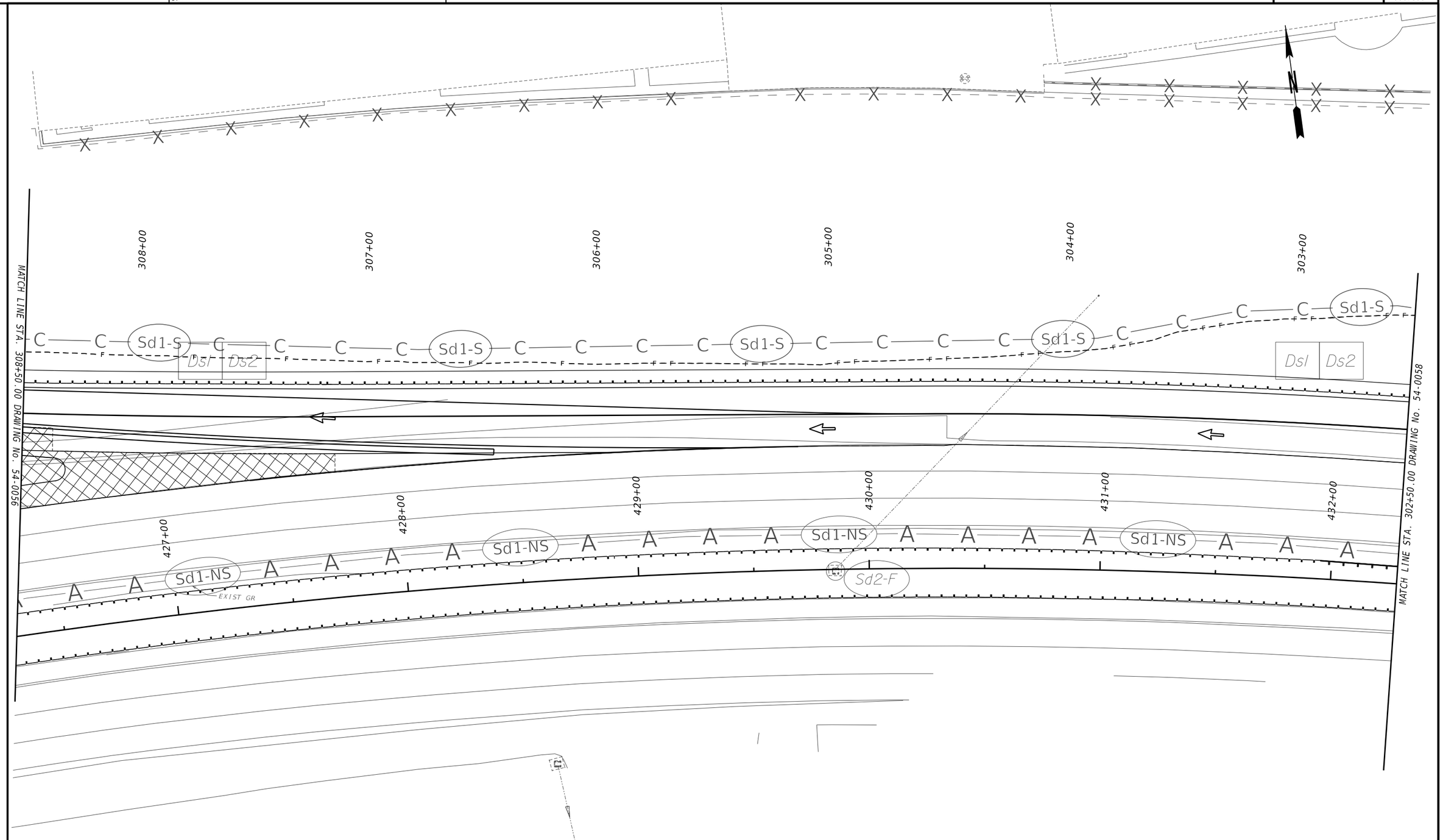
11/05/2020




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## INTERMEDIATE PHASE - STAGE 3

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0057 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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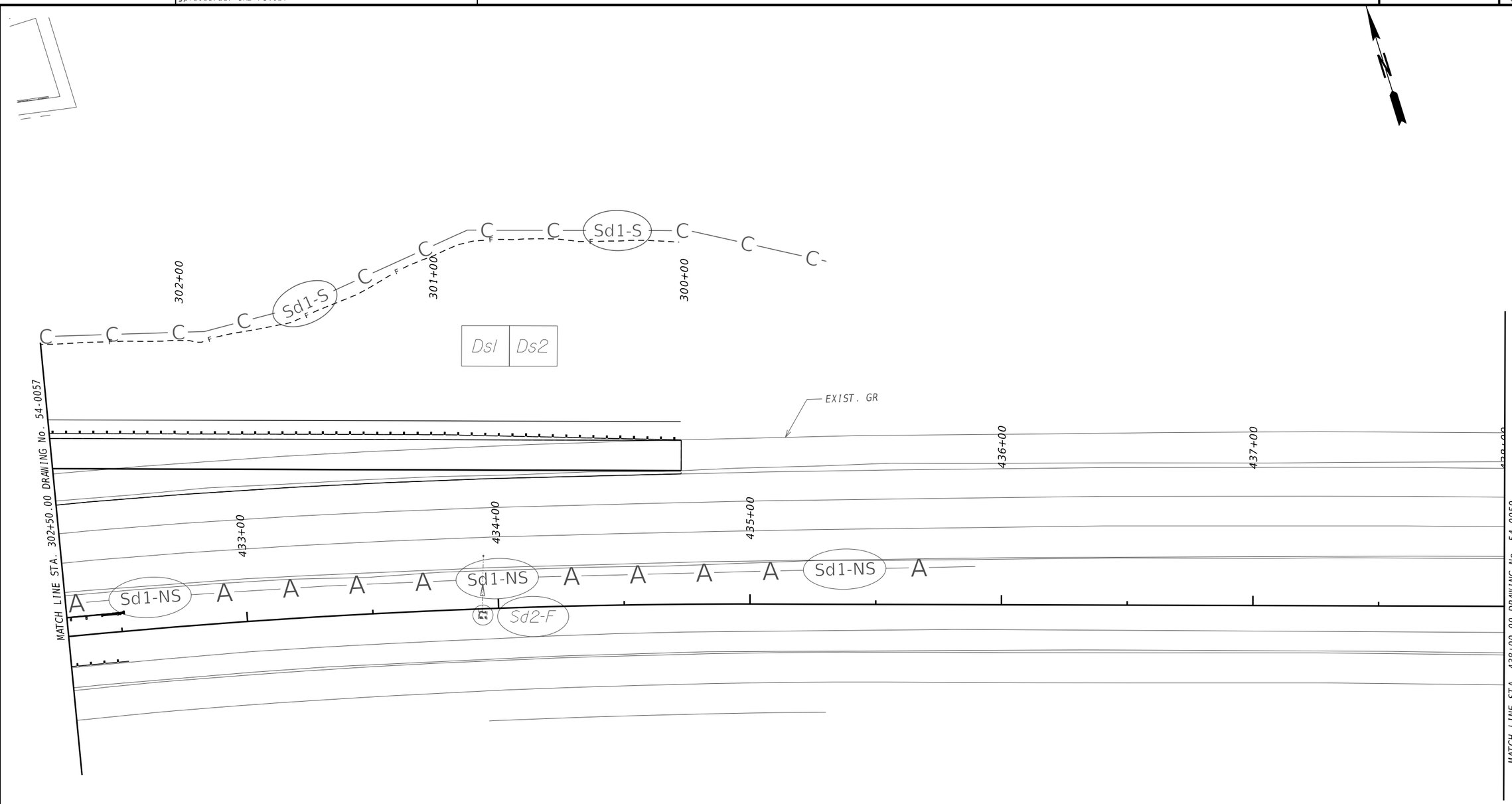


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INTERMEDIATE PHASE - STAGE 3

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|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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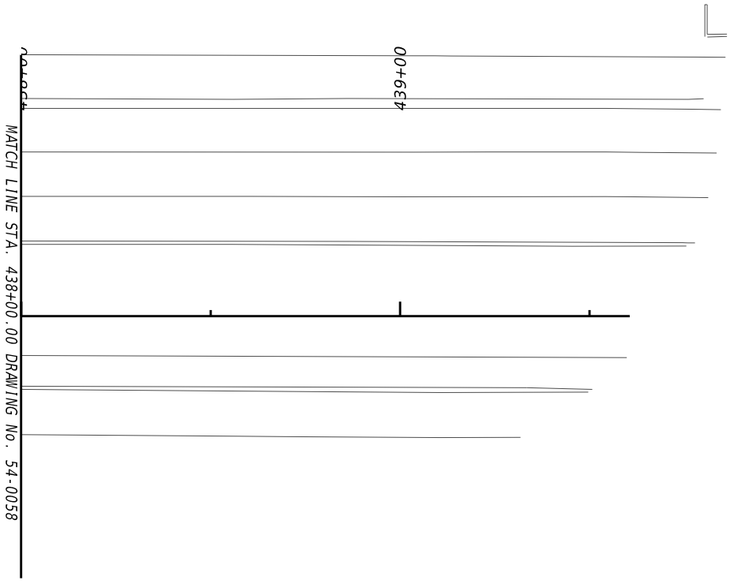


| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
INTERMEDIATE PHASE - STAGE 3

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|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0059 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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BEGIN PROJECT
PI#0017399
MOUNTAIN IND. BLVD
STA 89+50.00
N 1393903.142
E 2287063.196

BEGIN CONSTRUCTION
STA.90+41.19
N 1393974.651
E 2287006.615

PT 89+93.440

PC 92+68.753

MATCH LINE STA. 95+50.00 DRAWING No. 54-0061

GREER CIRCLE

EXIST R/W

MOUNTAIN INDUSTRIAL BLVD

N38°32'26.3"W

90+00 91+00 92+00 93+00 94+00 95+00

A-2 A-1

18' 30'

BSW B

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS | BLA |
| END LIMIT OF ACCESS | ELA |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

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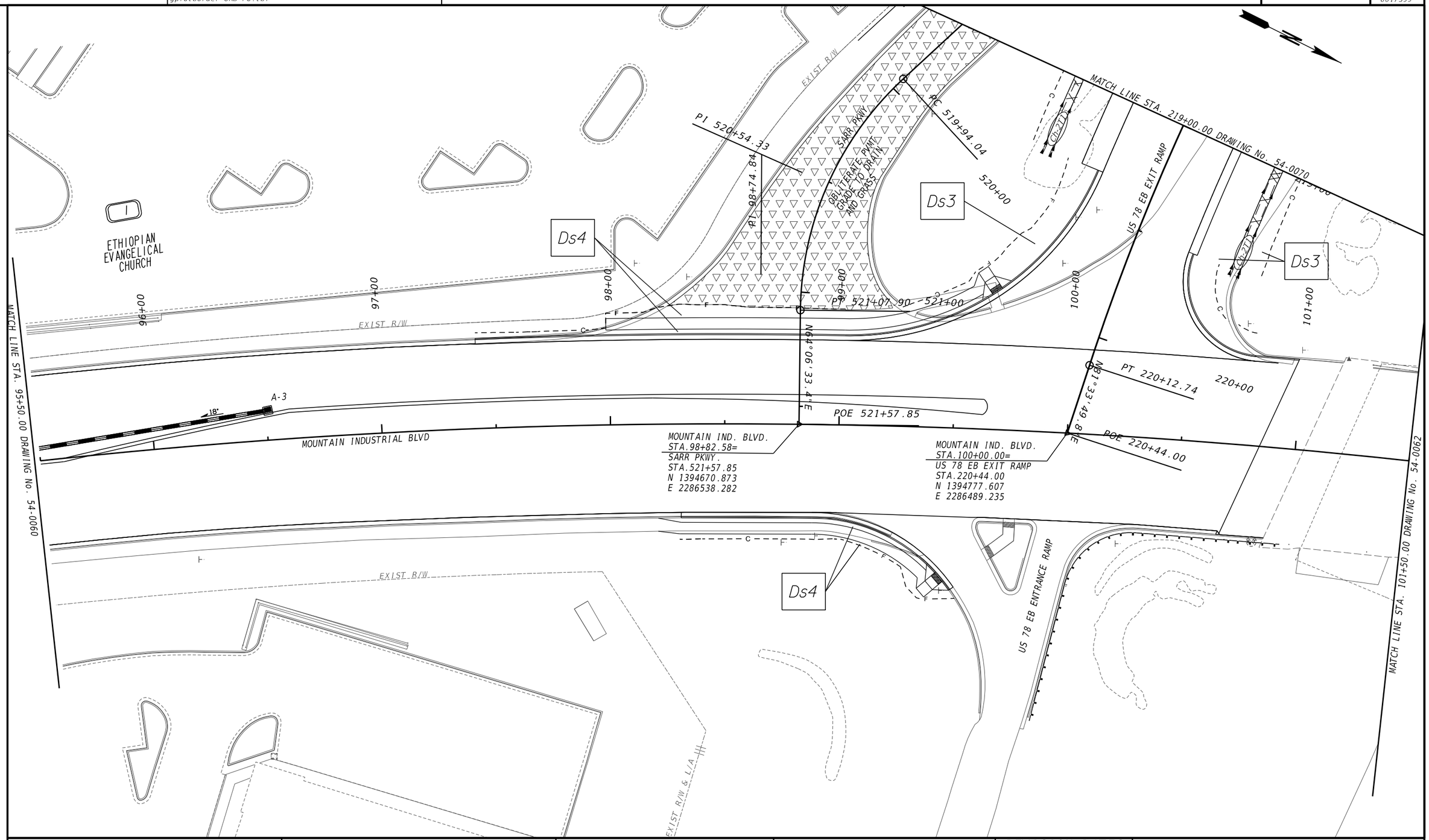
SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# FINAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0060 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
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770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# FINAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0061 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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11/05/2020

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
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770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD
# FINAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 51-0061A |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

1/16/2026 3:24:36 PM | GPLOT-ORD | 0017399_54-STE3_Final Phase.dgn | P.I. No. 0017399
cathy.wong | gplotborder-ORD.tbl

US 78 EASTBOUND
US 78 WESTBOUND
US 78 WB ENTRANCE RAMP
US 78 WB EXIT RAMP
MOUNTAIN IND. BLVD.
STA.104+85.97=
US 78 WB EXIT RAMP
STA 316+01.31
N 1395237.952
E 2286335.441
MOUNTAIN INDUSTRIAL BLVD
MATCH LINE STA. 101+50.00 DRAWING No. 54-0061
MATCH LINE STA. 314+50.00 DRAWING No. 54-0070
MATCH LINE STA. 107+50.00 DRAWING No. 54-0063
POE 316+01.31
PT 104+62.244
PT 315+78.68
PC 107+12.789
S86°03'26.2"W
N13°56'34.0"W
EXIST R/W & L/A
EXIST R/W & L/A
EXIST R/W
FENCE
Ds3
Ds4
I-1
(C-7)
101+00
102+00
103+00
104+00
105+00
106+00
107+00
315+00
316+00
418+00
419+00
420+00
421+

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# FINAL PHASE

CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No. 54-0062

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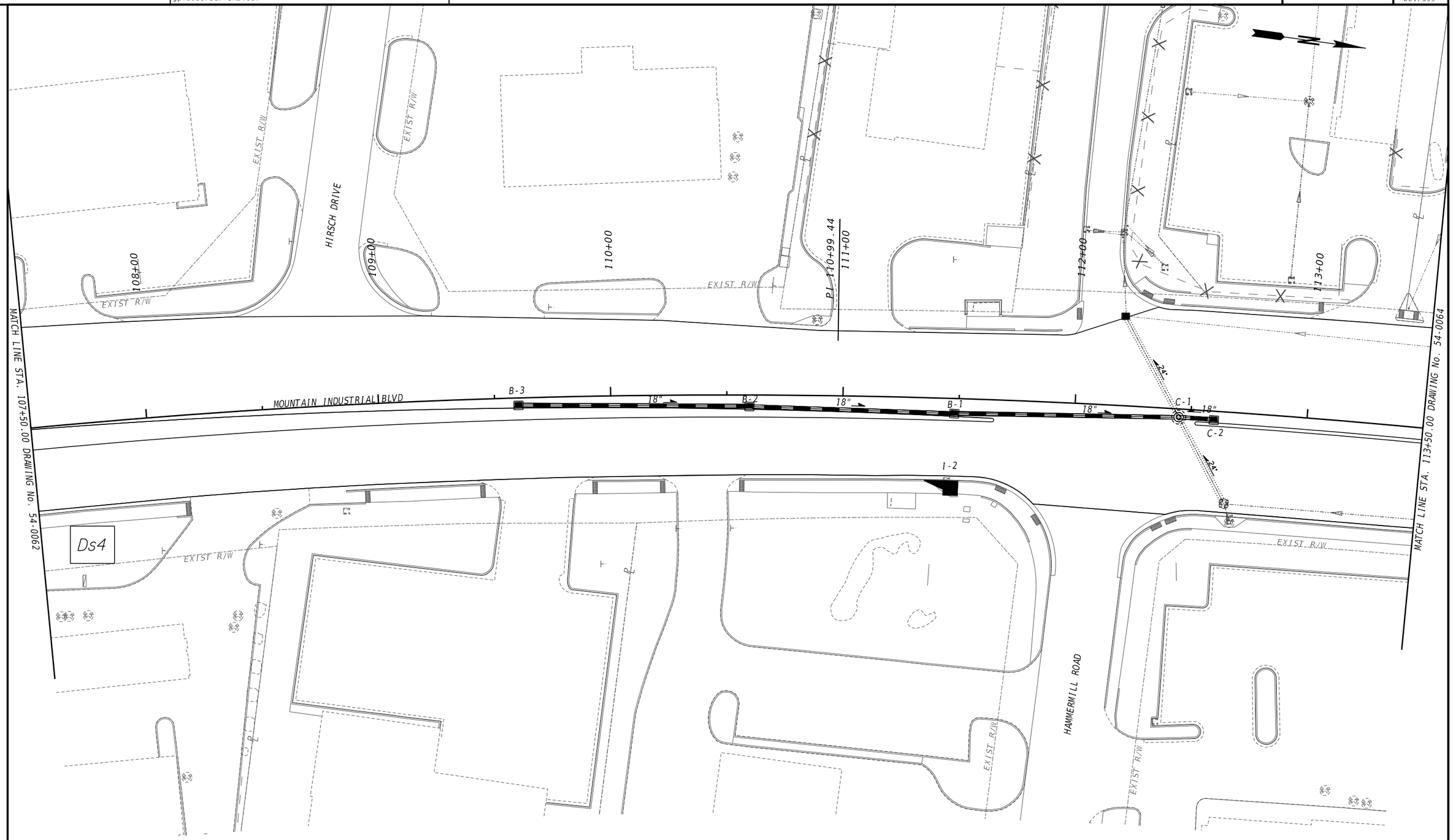
11/05/2020




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | BEGIN LIMIT OF ACCESS.....BLA |
| REQUIRED R/W LINE | END LIMIT OF ACCESS.....ELA |
| CONSTRUCTION LIMITS | EXISTING LIMIT OF ACCESS |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | REQ'D LIMIT OF ACCESS |
| EASEMENT FOR CONSTR OF SLOPES | EXISTING LIMIT OF ACCESS & R/W |
| EASEMENT FOR CONSTR OF DRIVES | REQ'D LIMIT OF ACCESS & R/W |
| | ORANGE BARRIER FENCE |
| | ESA - ENV. SENSITIVE AREA |

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Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## FINAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0063 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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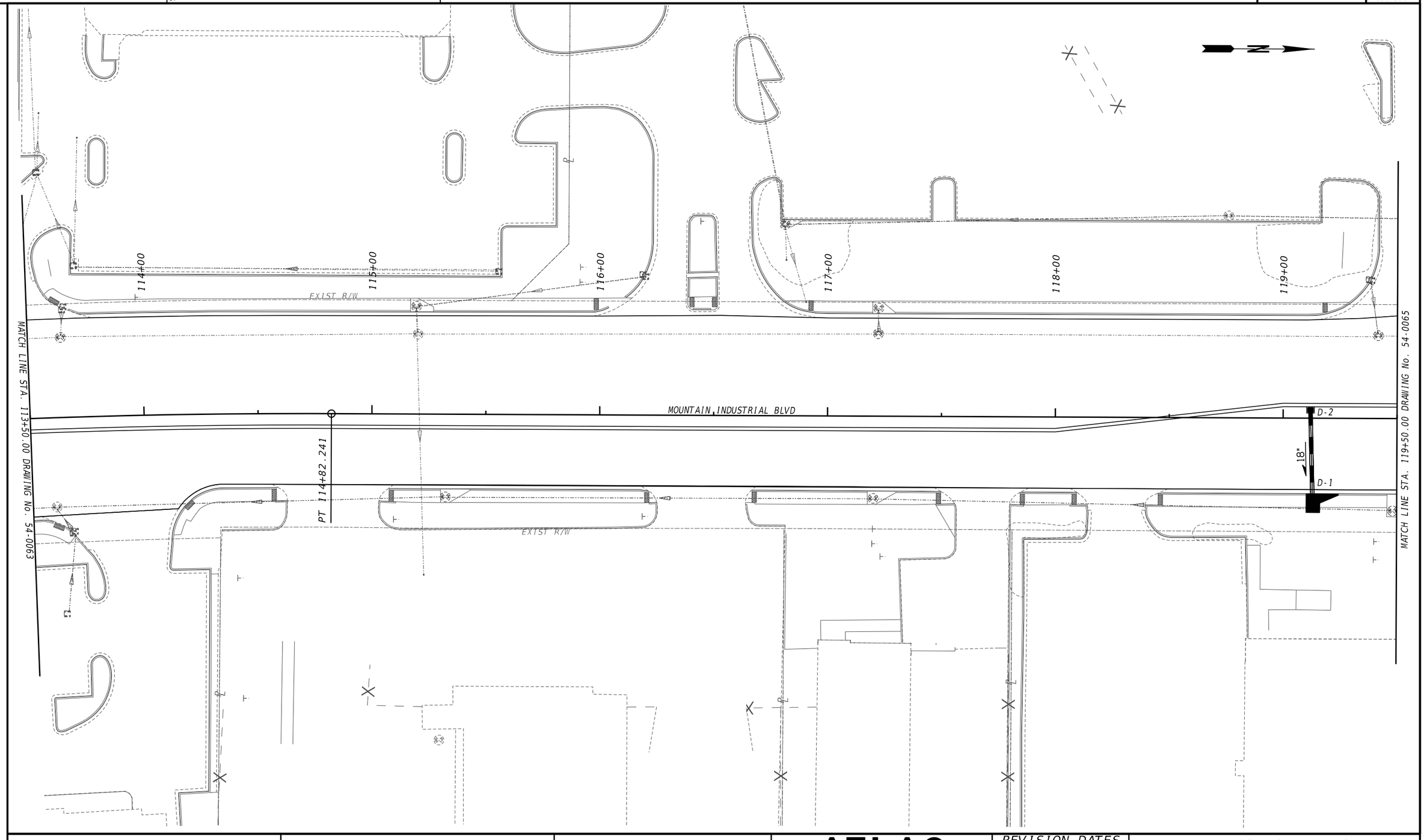
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
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Suite 100
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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## FINAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0064 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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11/05/2020

N

2

SAMS REAL ESTATE
BUSINESS TRT

Ds3

Ds4

REQD R/W

EXIST R/W

18"

18"

E-1

E-2

ELMDALE DRIVE

120+00

121+00

122+00

123+00

124+00

125+00

EXIST R/W

N00°03'10.4"E

MOUNTAIN INDUSTRIAL BLVD

MATCH LINE STA. 119+50.00 DRAWING No. 54-0064

MATCH LINE STA. 125+50.00 DRAWING No. 54-0066

EXIST R/W

FENCE

HAMMERMILL ROAD

EXIST R/W

EXIST R/W

EXIST R/W

ROGER MARTEN WAY

| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | ℄ |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS.....BLA | |
| END LIMIT OF ACCESS.....ELA | |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## FINAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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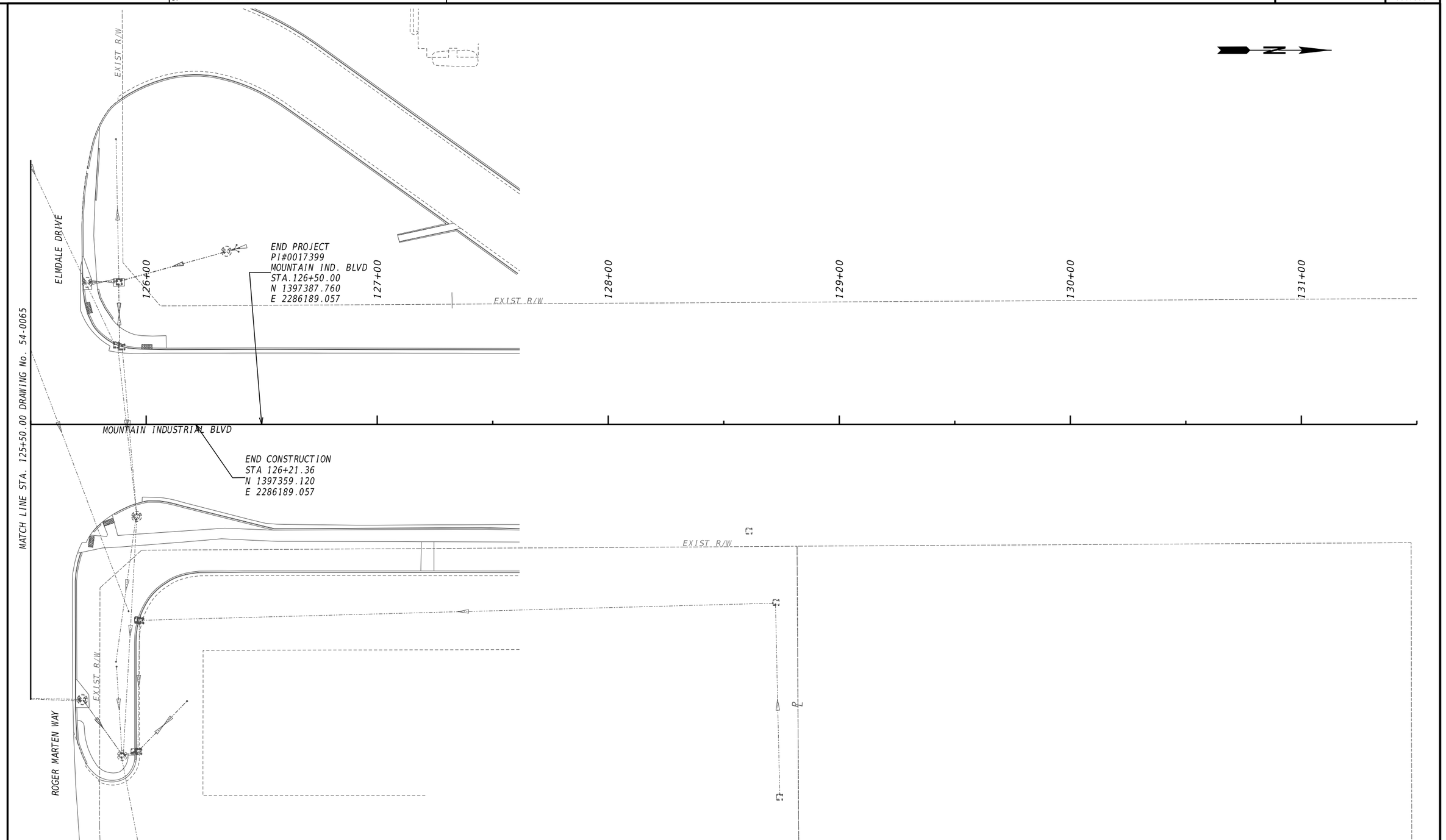


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
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SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
FINAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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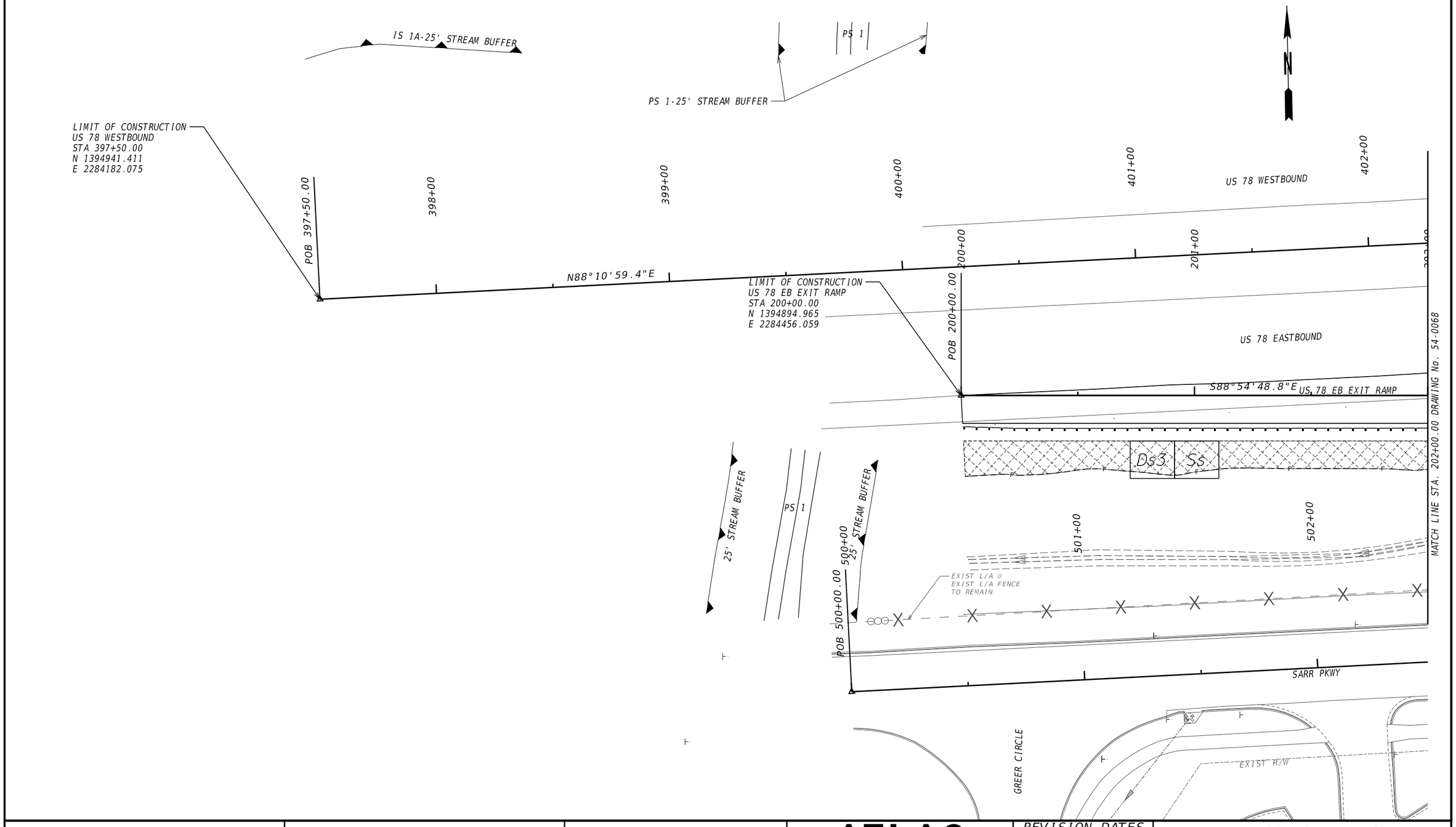
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# FINAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0067 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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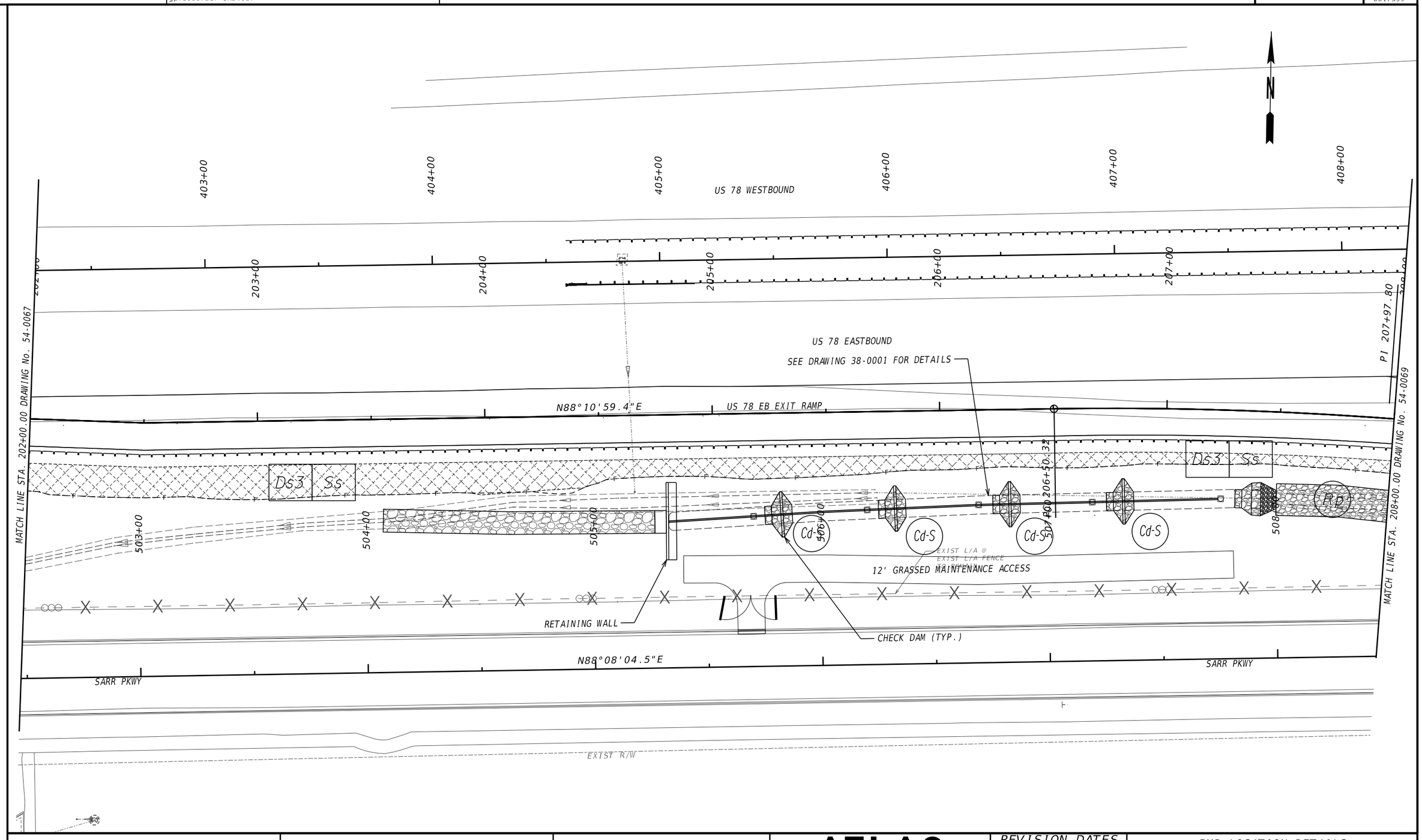
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

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0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# FINAL PHASE

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|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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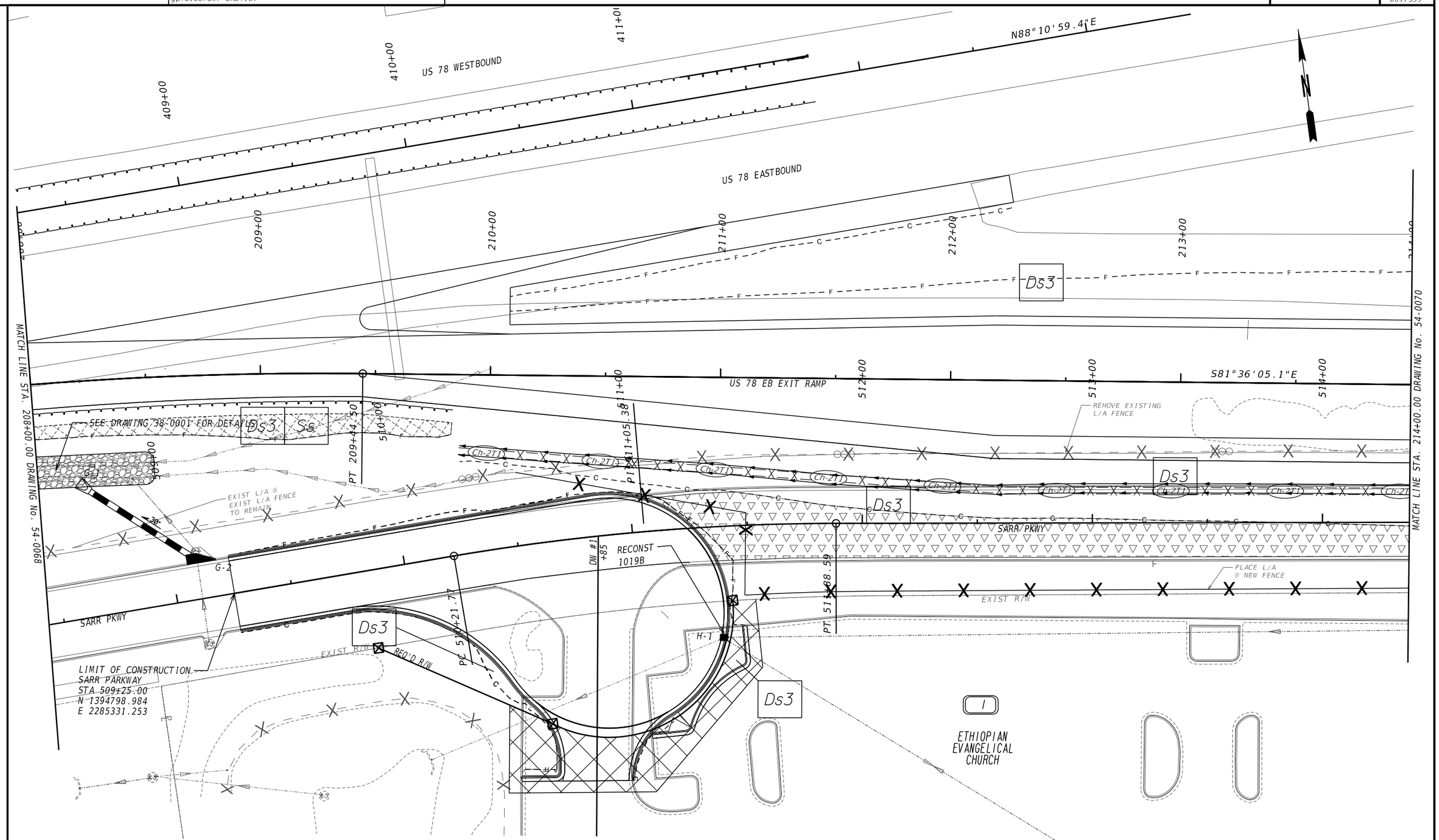
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
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SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# FINAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0069 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

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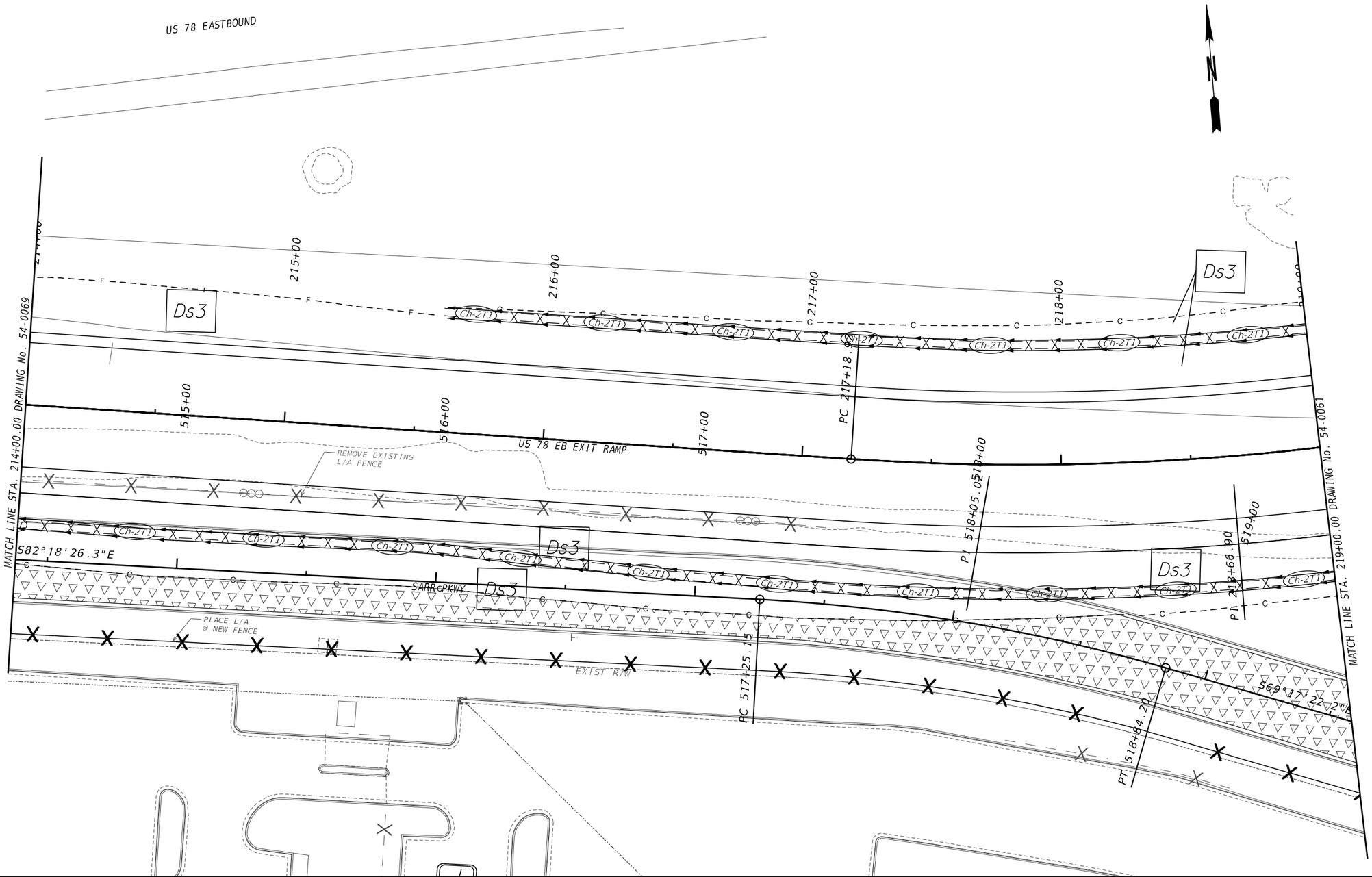
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

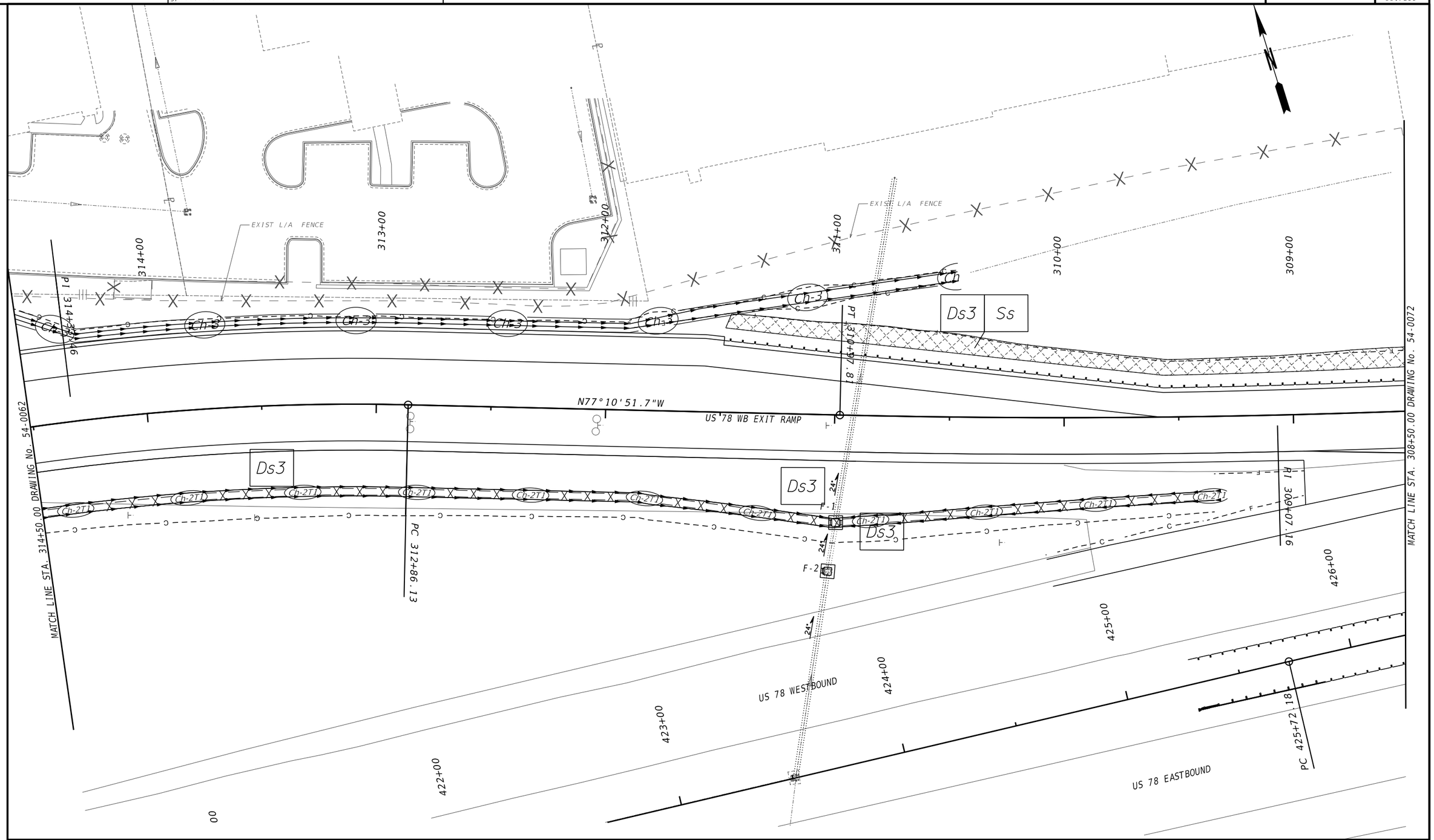
SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
## US 78 AT MOUNTAIN IND. BLVD.
## FINAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0070 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE 11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
FINAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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| CORRECTED: | | DATE: | | |
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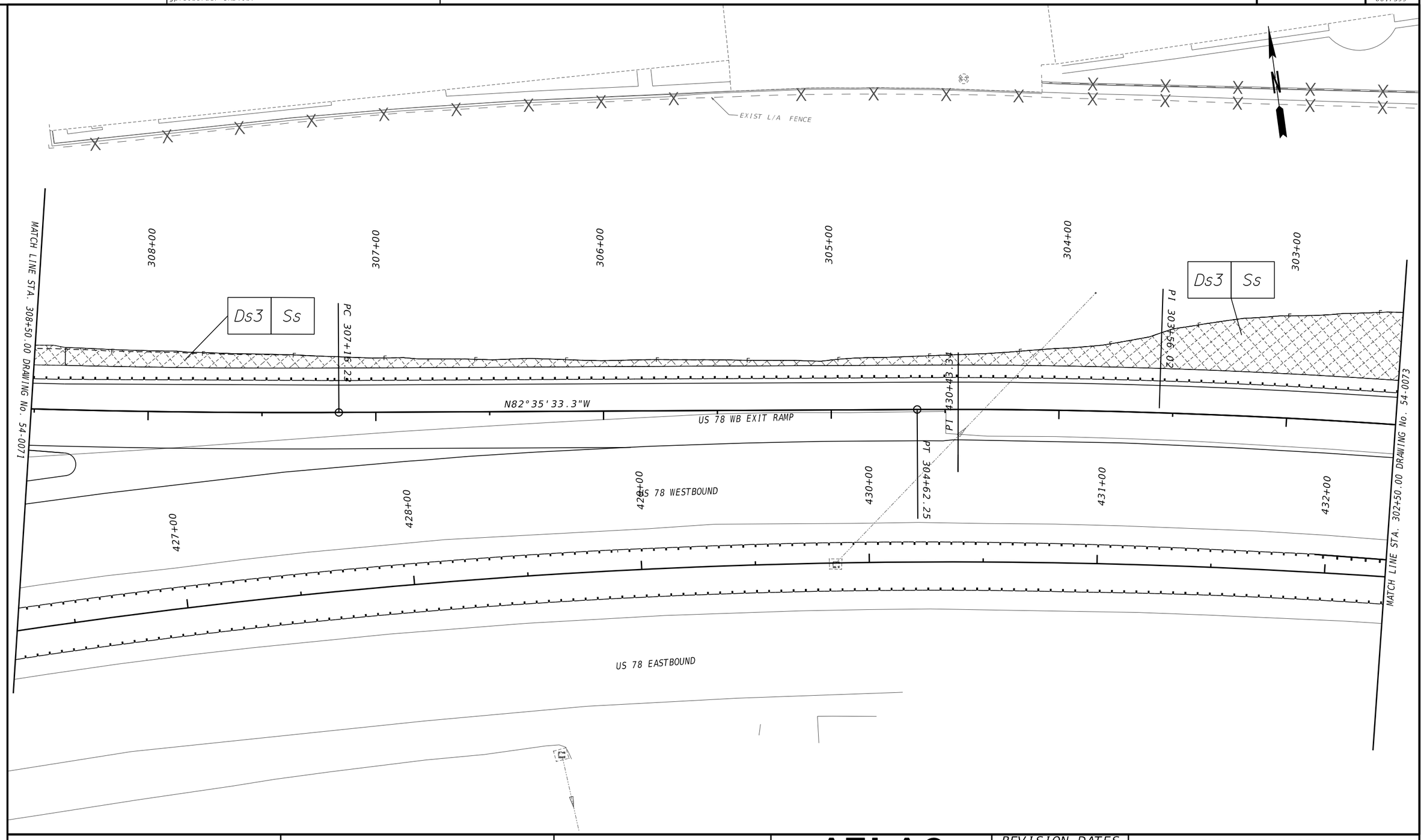
GPLN-CE
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

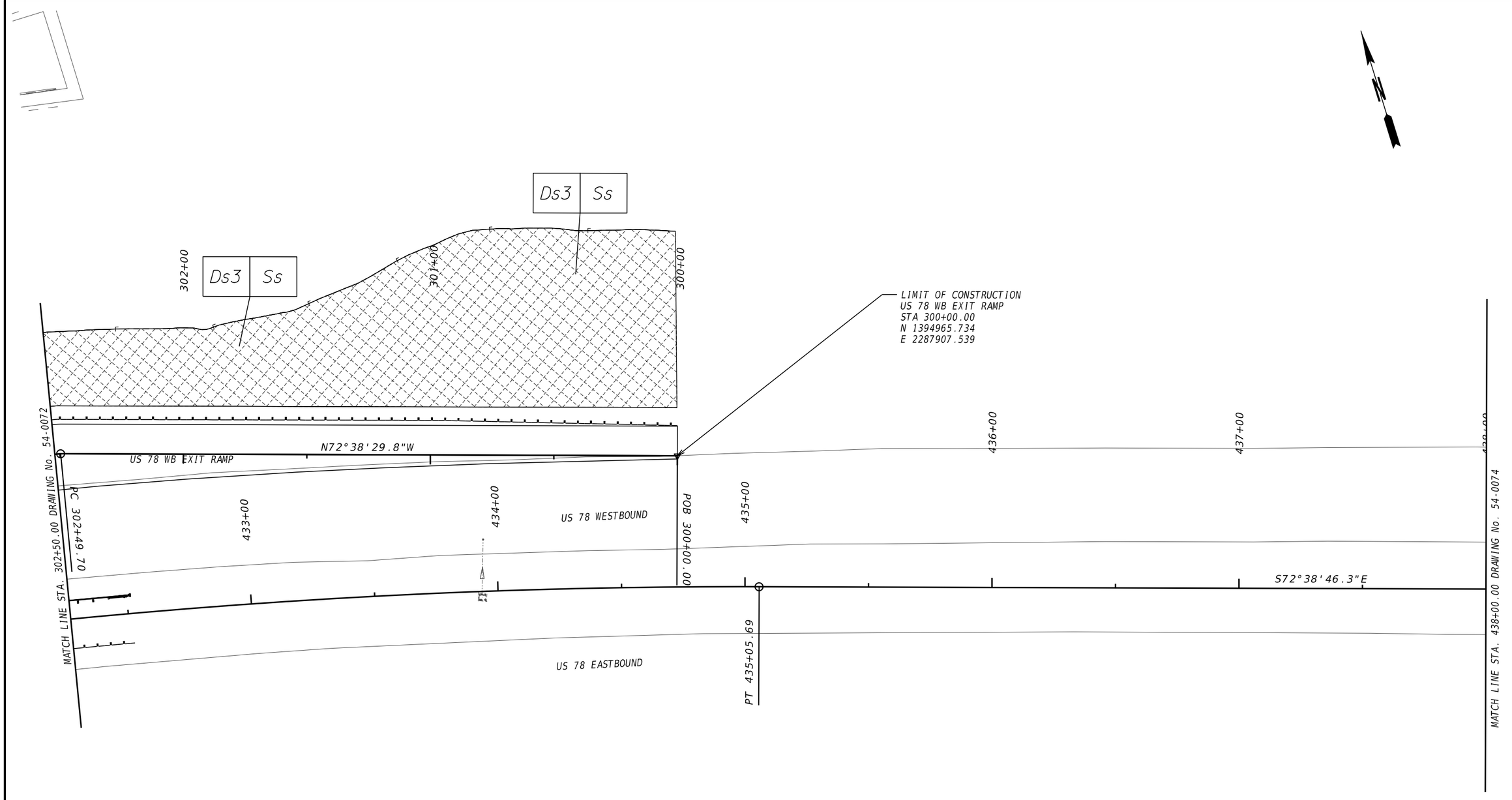
SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# FINAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0072 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

# BMP LOCATION DETAILS
# US 78 AT MOUNTAIN IND. BLVD.
# FINAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
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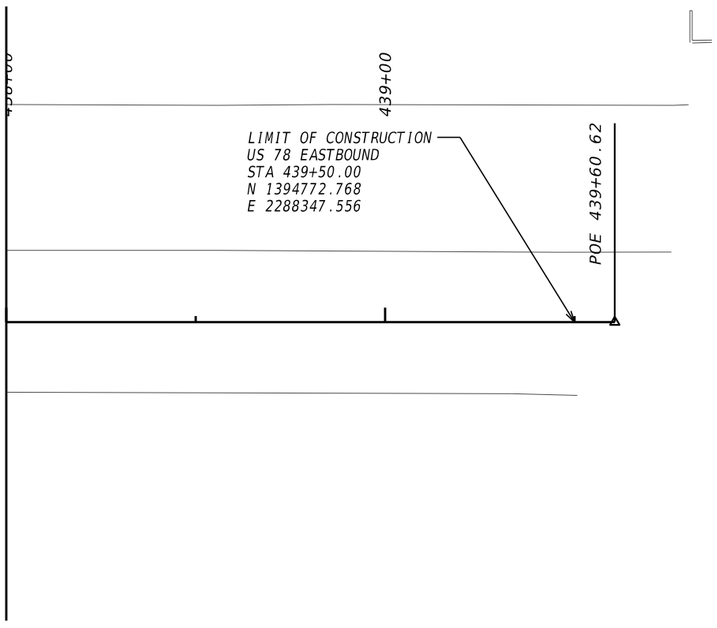
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE 11/05/2020




PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 20 40 80

REVISION DATES

BMP LOCATION DETAILS
US 78 AT MOUNTAIN IND. BLVD.
FINAL PHASE

| | | | | |
|---|---|---|---|---|
| CHECKED: | | DATE: | | DRAWING No. |
| BACKCHECKED: | | DATE: | | 54-0074 |
| CORRECTED: | | DATE: | | |
| VERIFIED: | | DATE: | | |

GPLN-CE
11/05/2020

END PROJECT
PI#0017399
MOUNTAIN IND. BLVD
STA 127+50.00
N 1397487.760
E 2286189.149

OUTFALL 2 SAMPLING LOCATION
STA 111+47.68
39.09' RT

OUTFALL 7 SAMPLING LOCATION
STA 310+75.80
103.96' RT

OUTFALL 11 SAMPLING LOCATION
STA 429+85.42
0.80' RT

RECEIVING WATERS
STONE MOUNTAIN CREEK
1.23 SQ MILES

OUTFALL 12 SAMPLING LOCATION
STA 434+82.70
180.10' RT

OUTFALL 4 SAMPLING LOCATION
STA 125+33.95
75.04' LT

OUTFALL 6 SAMPLING LOCATION
STA 399+78.05
124.63' RT

RECEIVING WATERS
SOUTH FORK PEACHTREE CREEK
0.97 SQ MILES

IMPAIRED STREAM
SNAPFINGER CREEK

BEGIN PROJECT CEDAR
PI#0017399
MOUNTAIN IND. BLVD
STA 90+05.67
N 1393946.871
E 2287028.744

BSW A
BSW B
WL
PS 1
IS 1A
WB EXIT RAMP

TUCKER
Melwood Cem
Stone Mountain Cem
Lake Charles

TOTAL PROJECT AREA = 50.04 AC

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

SCALE IN FEET
0 100 200 400

REVISION DATES

WATERSHED MAP SITE MONITORING PLAN
US 78 AT MOUNTAIN IND. BLVD.
CITY OF TUCKER

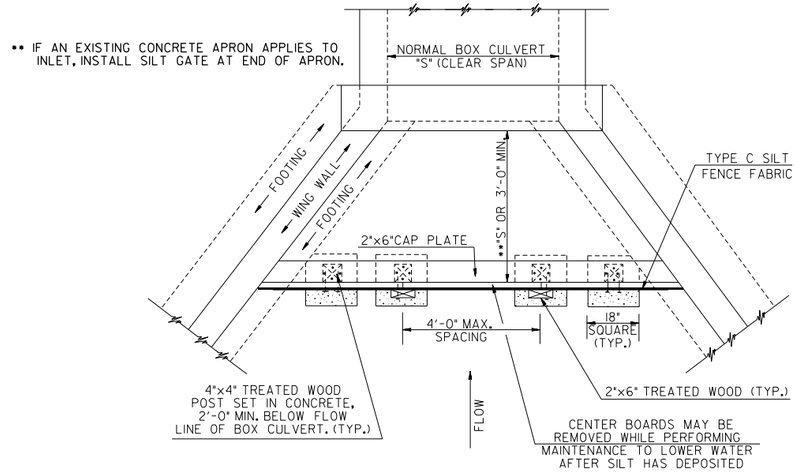
CHECKED: DATE:
BACKCHECKED: DATE:
CORRECTED: DATE:
VERIFIED: DATE:

DRAWING No.
55-0001

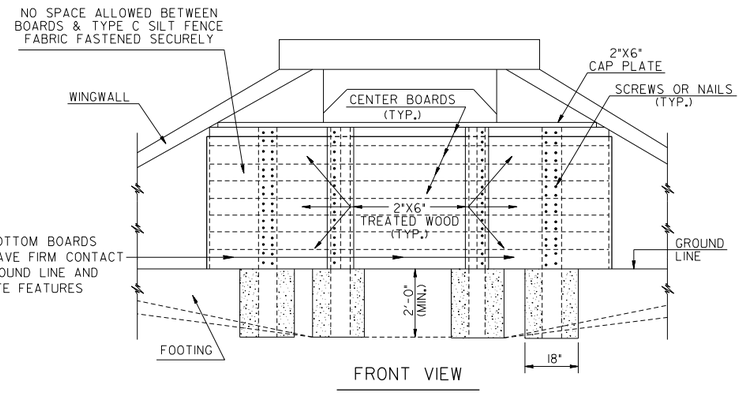
GPLN.CE
11/05/2020

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | | | |

## TYPE 1- FOR BOX CULVERTS

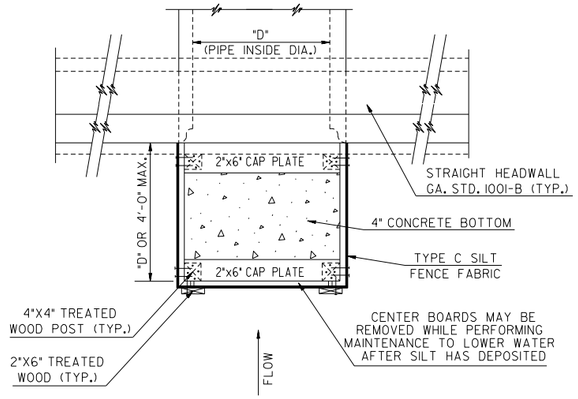



TOP VIEW

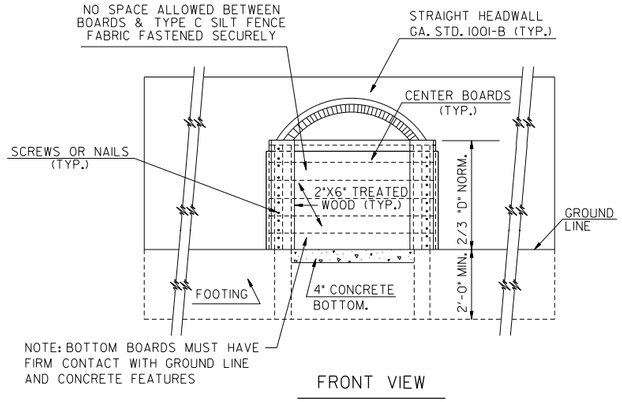



FRONT VIEW

## TYPE 2 - FOR STRAIGHT HEADWALLS

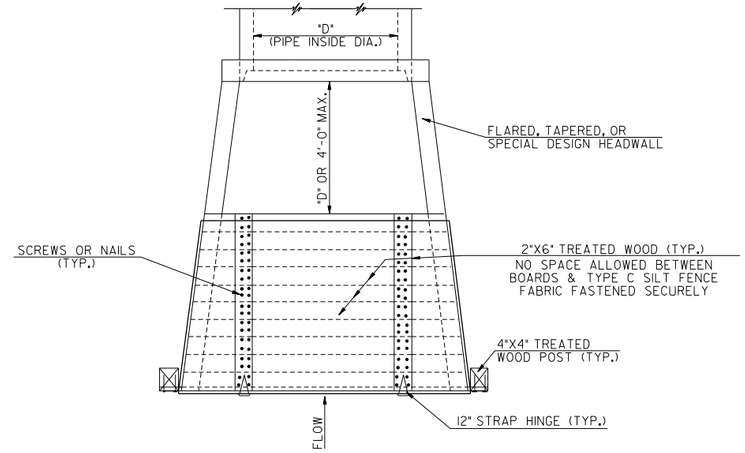



TOP VIEW

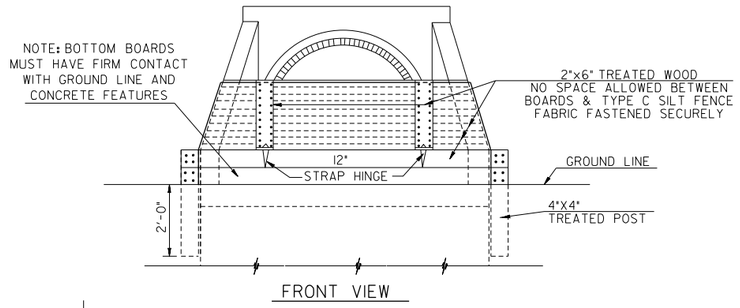



FRONT VIEW

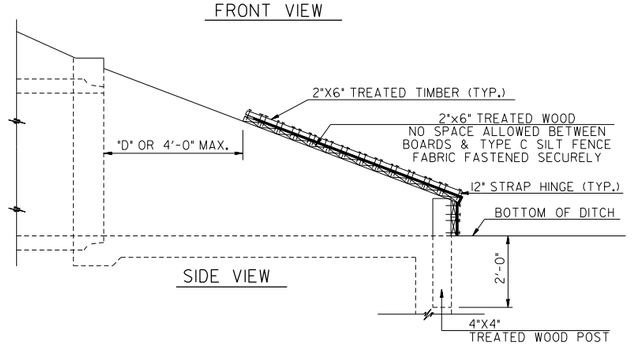
## TYPE 3 - FOR FLARED END SECTIONS AND TAPERED HEADWALLS




TOP VIEW




FRONT VIEW




SIDE VIEW

SILT CONTROL GATE TYPE I NOTES:

1. REFER TO GA. STD 2332 FOR CONCRETE APRONS.
2. SEE SECTION 163 FOR THE REMOVAL OF TYPE I SILT CONTROL GATES.

GENERAL NOTES:

1. A SILT CONTROL GATE IS A TEMPORARY STRUCTURE PLACED AT INLETS TO FORM A BASIN FOR TRAPPING SEDIMENT.
2. SILT GATES SHALL NOT BE USED ON STRUCTURES THAT CONVEY STATE WATERS.
3. SILT GATES SHALL ONLY BE USED ON DRAINAGE AREAS UP TO 50-ACRES WITH NO MORE THAN 5-ACRES DISTURBED WITHIN THE DRAINAGE AREA.
4. USE WOOD SCREWS OR NAILS TO CONNECT WOOD COMPONENTS WITH NO SPACE ALLOWED BETWEEN BOARDS. TYPE C SILT FENCE FABRIC MUST BE FASTENED SECURELY WITH STAPLES OR NAILS TO OUTSIDE FACE OF BOARDS AND COVERING ALL BUTT-JOINTS BETWEEN BOARDS. OVERLAP ADDITIONAL SILT FENCE FABRIC A MINIMUM OF 12-INCHES.
5. REMOVE SEDIMENT WHEN IT REACHES ONE-THIRD THE HEIGHT OF SILT CONTROL GATE AND SILT FENCE FABRIC SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED.

PAY ITEMS:

| | | |
|---|---|---|
| 163-0501 | CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 1 | (EA) |
| 163-0502 | CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 2 | (EA) |
| 163-0503 | CONSTRUCT AND REMOVE SILT CONTROL GATE, TP 3 | (EA) |
| 165-0085 | MAINTENANCE OF SILT CONTROL GATE, TP 1 | (EA) |
| 165-0086 | MAINTENANCE OF SILT CONTROL GATE, TP 2 | (EA) |
| 165-0087 | MAINTENANCE OF SILT CONTROL GATE, TP 3 | (EA) |

| BY | DATE | REVISION |
|---|---|---|
| DLE | 4-22-16 | ADD. FABRIC & ADD. NOTES |
| TPC | 1-19-11 | ADD. & REV SILT GATE NOTES |
| | | REMOVE INLET SEDIMENT TRAP |
| | 3-2-05 | REV. LUMBER SIZES |
| GLO | 10-22-02 | REV. SPECIFICATION |
| MGR | | ADDED PAYMENT NOTE |

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

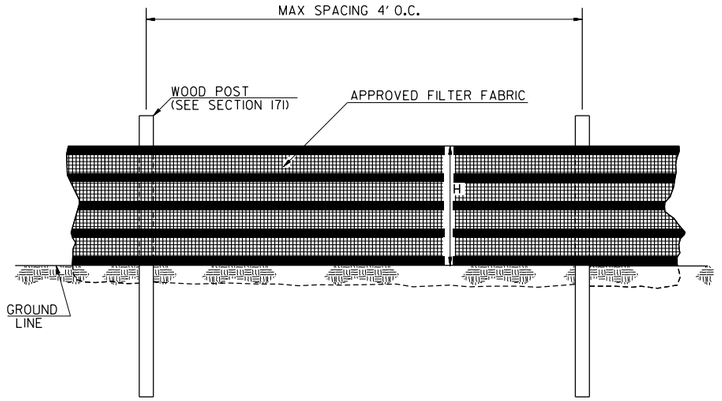
# CONSTRUCTION DETAILS

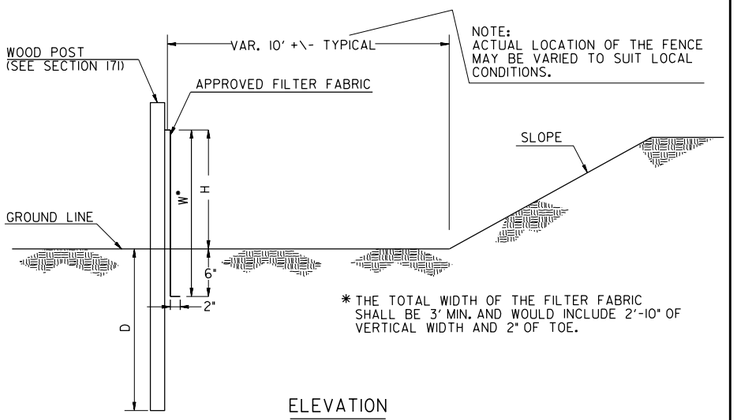
## SILT CONTROL GATES FOR STRUCTURES TYPE - 1, 2, AND 3

NO SCALE

REV. & REDR. DEC., 2000

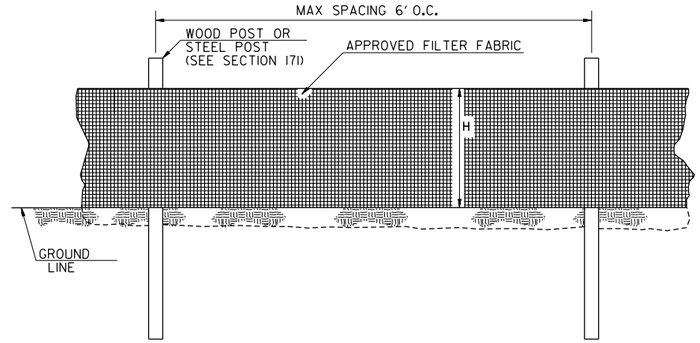
NUMBER D-20

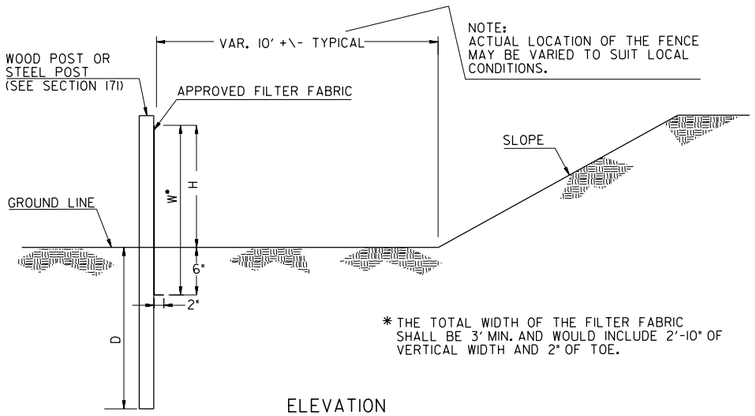



ELEVATION

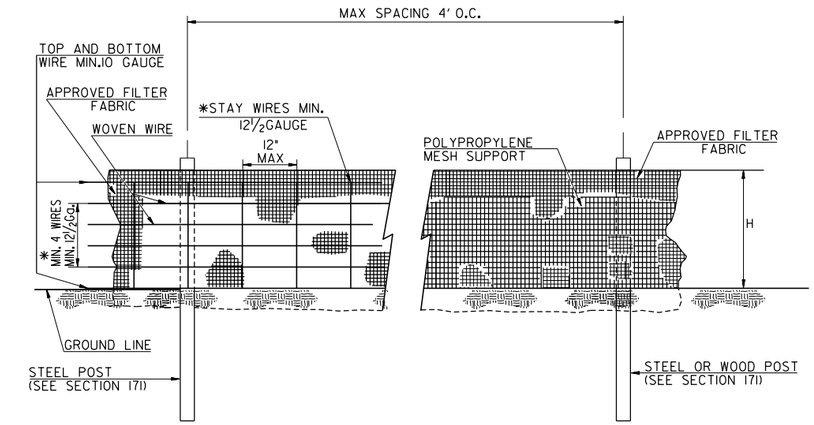
SINGLE ROW TYPE C SILT FENCE WITH HIGH TENSILE POLYPROPYLENE INTEGRATED SUPPORT WOVEN FABRIC



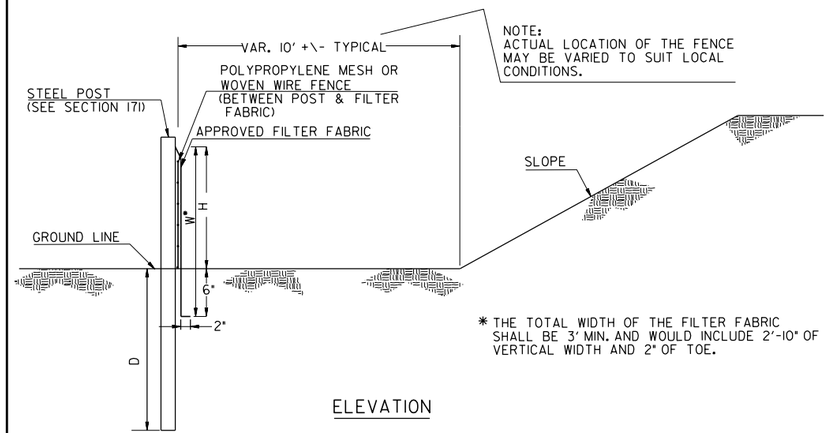

ELEVATION

SINGLE ROW TYPE A SILT FENCE




WOVEN WIRE SUPPORTED
TYPE C FENCE

POLYPROPYLENE MESH SUPPORT
TYPE C FENCE




ELEVATION

SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT OR POLYPROPYLENE MESH SUPPORT

| FENCE TYPE | POST LENGTH | H | D | W* | TYPICAL USES |
|---|---|---|---|---|---|
| TYPE "A" | 4 FT. | 2'-4" | 1'-6" | 3'-0" | |
| TYPE "C" | 4 FT. | 2'-4" | 1'-6" | 3'-0" | AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D. |

NOTES:

1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST ½ INCHES LONG AND A CROWN AT LEAST ¾ INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1 INCH LONG , WITH BUTTON HEADS AT LEAST ¾ INCHES WIDE.
2. SEE SECTION 171 FOR PLACEMENT OF NAILS OR STAPLES FOR TYPE A AND TYPE C FENCES.
3. THE VERTICAL WIRES FOR THE WOVEN WIRE SUPPORT FENCE SHALL HAVE A MAXIMUM SPACING OF 12 INCHES. THE TOP AND BOTTOM WIRES SHALL BE AT LEAST 10 GAUGE AND ALL OTHER WIRES SHALL BE AT LEAST 12½ GAUGE.
4. TEMPORARY SILT FENCE INSTALLATION IS DIFFERENT THAN THE SILT RETENTION BARRIER INSTALLATION.
5. SEE SECTION 171 FOR SILT FENCE SPECIFICATIONS.
6. SEE SECTION 894 FOR FENCING SPECIFICATIONS.
7. SEE QPL-36 FOR A LIST OF APPROVED SILT FENCE FABRIC.
8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

GDOT Georgia Department of Transportation

Pr. I. No.

| BY | REVISION | DATE |
|---|---|---|
| AL | ADDED HIGH TENSILE POLYPROPYLENE INTEGRATED FABRIC | 09-2022 |

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

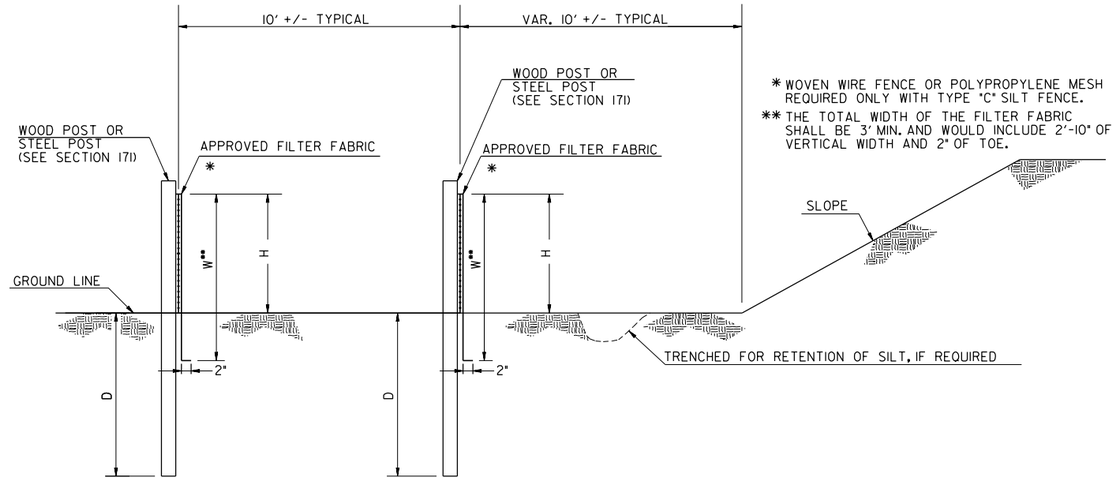
CONSTRUCTION DETAIL

TEMPORARY SILT FENCE

JANUARY 2011
NO SCALE

NUMBER
D-24A
1 OF 4

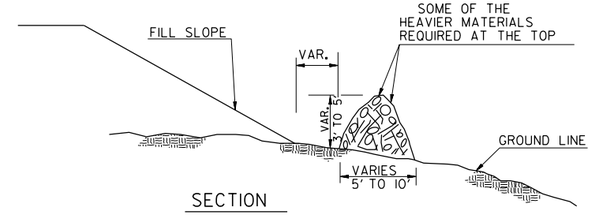
| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| | | | |




ELEVATION

DOUBLE ROW SILT FENCE

| FENCE TYPE | POST LENGTH | H | D | W** | TYPICAL USES |
|---|---|---|---|---|---|
| TYPE "A" | 4 FT. | 2'-4" | 1'-6" | 3'-0" | |
| TYPE "C" | 4 FT. | 2'-4" | 1'-6" | 3'-0" | AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D. |



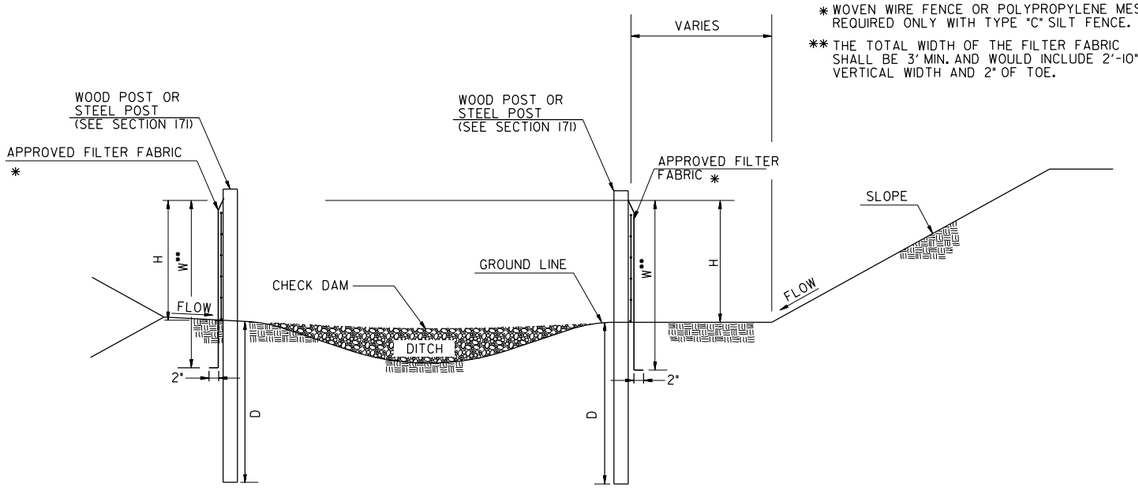

SECTION

NOTE: INTERMINGLE BRUSH, LOGS, ETC. SO AS NOT TO FORM A SOLID DAM.

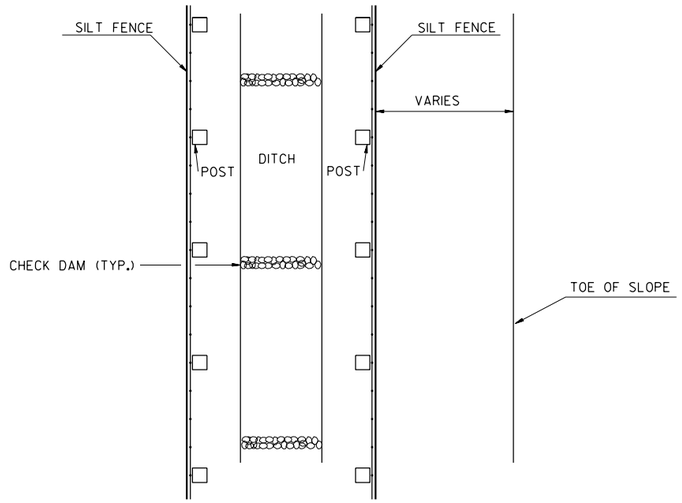
FRONT VIEW

NOTE: BRUSH BARRIER(S) WILL BE INCLUDED IN PAYMENT FOR CLEARING & GRUBBING.

BRUSH BARRIER DETAILS
(FOR USE IN RURAL AREAS)




ELEVATION




PLAN

NOTE:
TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

| FENCE TYPE | POST LENGTH | H | D | W** | TYPICAL USES |
|---|---|---|---|---|---|
| TYPE "A" | 4 FT. | 2'-4" | 1'-6" | 3'-0" | |
| TYPE "C" | 4 FT. | 2'-4" | 1'-6" | 3'-0" | AT BRIDGE END ROLLS, DOUBLE ROW ALONG STREAMS, WETLANDS AND ENVIRONMENTALLY SENSITIVE AREAS FOR USE OF THIS MATERIAL IN FABRIC CHECKDAMS SEE D-24D. |

SILT FENCE
PERIMETER INSTALLATION ALONG DITCH SECTION

| BY | REVISION | DATE |
|---|---|---|
| BAS | FABRIC WIDTH CLARIFICATION | 09-2022 |

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

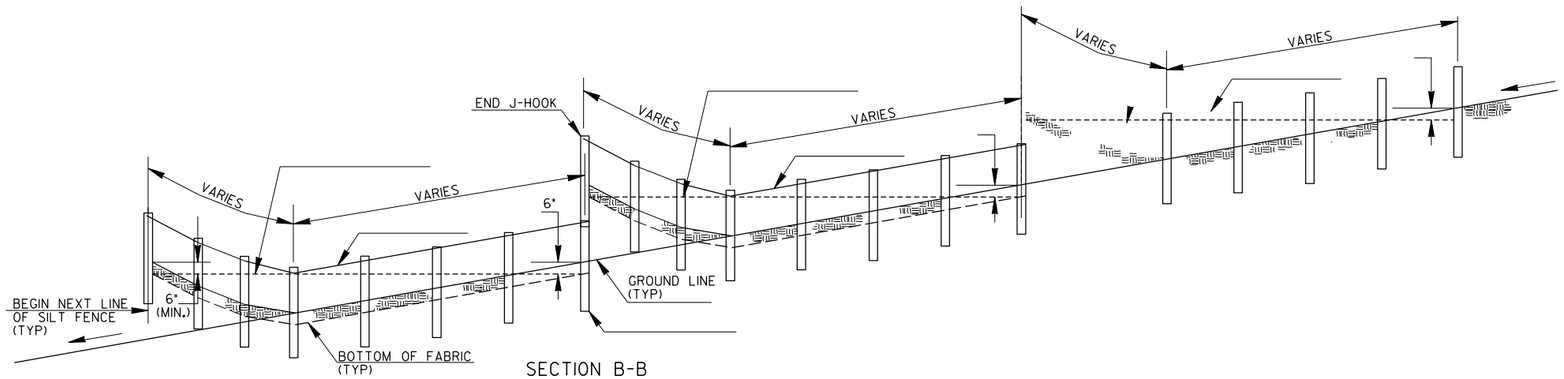
TEMPORARY SILT FENCE

BERM DITCH, INSTALLATION, BRUSH BARRIER

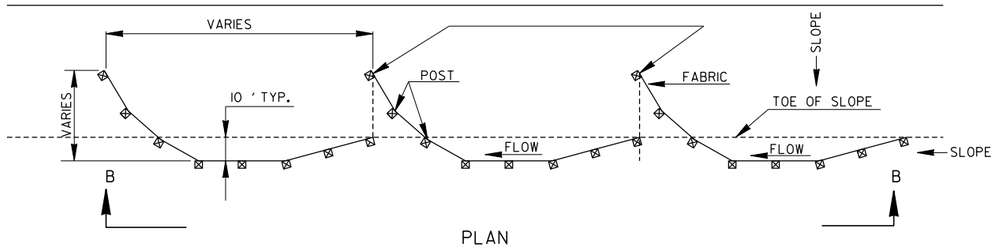
REV. AND REDRAWN JAN. 2011
NO SCALE

NUMBER D-24B
(SHEET 2 OF 4)

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | | | |




SECTION B-B



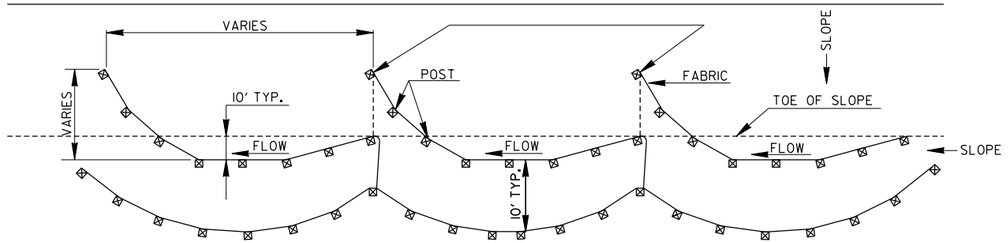

PLAN

## SINGLE ROW SILT FENCE

| TYPICAL J HOOK SPACING | | |
|---|---|---|
| SLOPE PERCENT | TYPE OF SILT FENCE | MINIMUM SPACING (FEET) |
| 1% TO 2% | TYPE A OR TYPE C | 100' ± |
| 2% TO 3% | TYPE A OR TYPE C | 50' ± |
| 3% TO 4% | TYPE C | 50' ± |
| 4% TO 5% | TYPE C | 25' ± |

NOTE:
1. IF THE GRADE IS BETWEEN 0 TO 1PERCENT, THE SILT FENCE SHALL BE PLACED ACROSS THE DITCH.

2. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

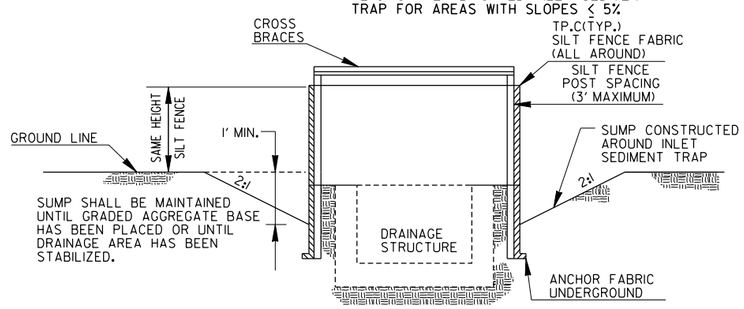



PLAN

## DOUBLE ROW SILT FENCE

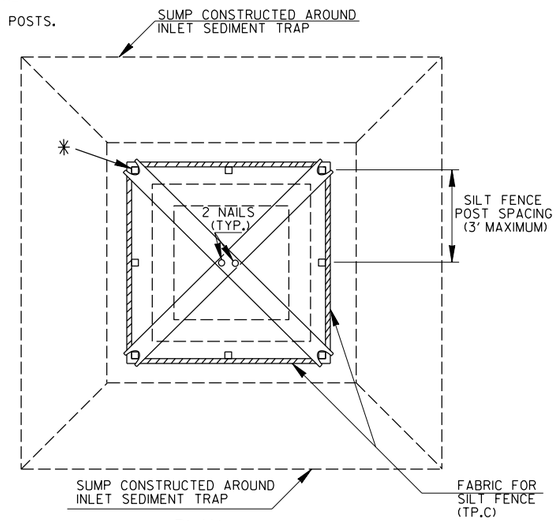
## TYPICAL LOCATION AROUND DROP INLETS

ALT. TO PREFABRICATED INLET SEDIMENT TRAP FOR AREAS WITH SLOPES ≤ 5%




ELEVATION

✳ CROSS BRACING REQUIRED WHEN USING "ALTERNATE" TYPE C PRODUCTS WHICH USE WOOD POSTS.




PLAN

CROSS BRACES:

TWO - 2 X 4's WITH ENDS TO FIT POST, PROVIDING STURDY SUPPORT, OR AN APPROVED ALTERNATE

NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH.

NOTE:
SEE SEPARATE SHEET ENTITLED "TEMPORARY SILT FENCE DETAILS" FOR SILT FENCE ERECTION DETAILS.

NOTE:
THE DRAINAGE AREA ENTERING THE INLET SEDIMENT TRAP SHALL BE NO GREATER THAN ONE ACRE.

TYPICAL CONSTRUCTION SEQUENCE FOR INLET SEDIMENT TRAP ALTERNATE

1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.

2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.

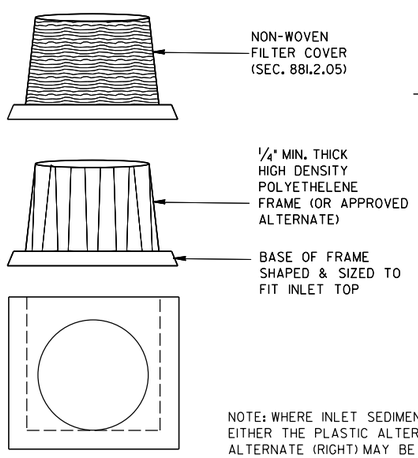
3. SLIDE THE FILTER OVER THE FRAME.

4. FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.

5. BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

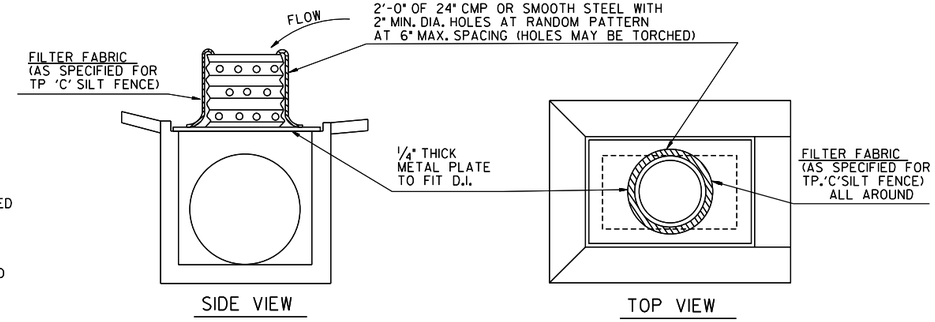
NOTE:
INLET SEDIMENT TRAP ALTERNATE SHALL BE AS APPROVED BY THE GA. D.O.T. OFFICE OF MATERIALS & RESEARCH. DETAILS & SPECIFICATIONS NOT SHOWN ARE PER THE MANUFACTURER'S REQUIREMENTS.

(PLASTIC ALTERNATE)




SIDE VIEW

(METAL ALTERNATE)




SIDE VIEW

TOP VIEW

NOTE: WHERE INLET SEDIMENT TRAPS ARE SPECIFIED, EITHER THE PLASTIC ALTERNATE (LEFT) OR THE METAL ALTERNATE (RIGHT) MAY BE USED AS APPROVED BY THE ENGINEER.

NOTE:
INLET SEDIMENT TRAP AND INLET TO BE BUILT CONTINUOUS WITH PIPE

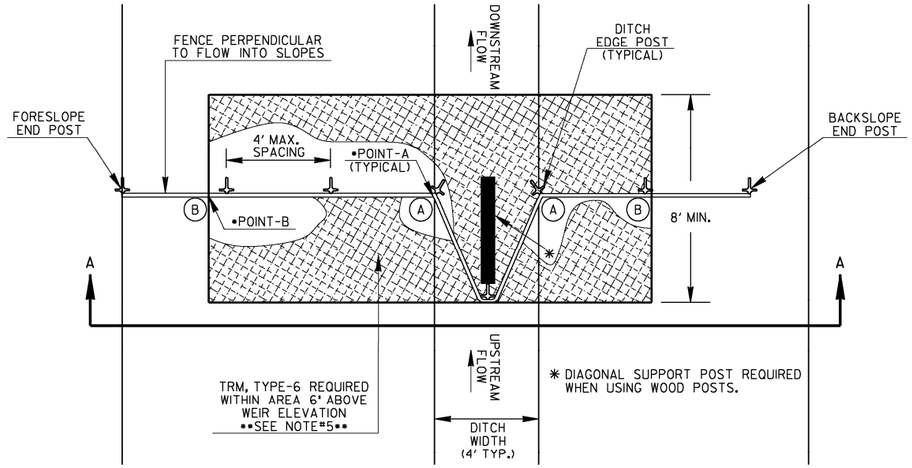
NOTE:
PAYMENT AS INLET SEDIMENT TRAP PER EACH

NOTE: SEE SEPARATE DETAILS FOR SILT FENCE AROUND DROP INLETS.

INLET SEDIMENT TRAP - FOR DROP INLETS

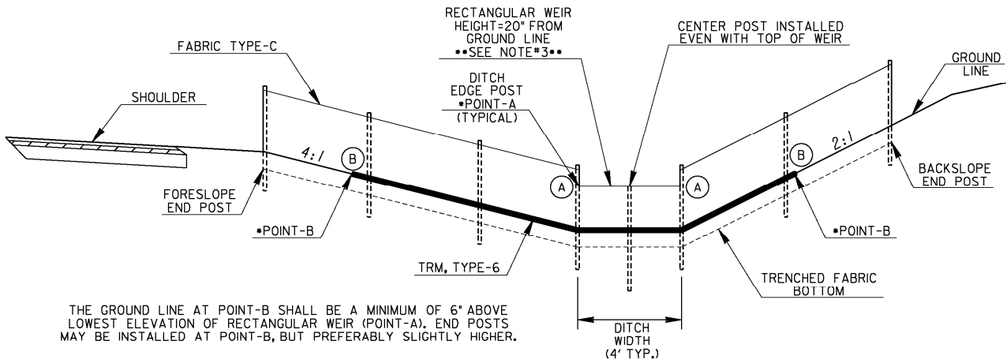
| | | | |
|---|---|---|---|
| BAS | PLACEMENT CLARIFICATION REVISION | 09-2022 DATE | DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA |
| | | | CONSTRUCTION DETAILS<br>TEMPORARY SILT FENCE<br>J-HOOK, INLET SEDIMENT TRAPS |
| | | | JANUARY 2011<br>NO SCALE |
| | | | NUMBER D-24C (SHEET 3 OF 4) |

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | | | |




PLAN VIEW

| TYPICAL FABRIC CHECK DAM SPACING | |
|---|---|
| GRADE OF DITCH | MINIMUM SPACING (FEET) |
| LESS THAN 1% | 100' ± |
| 1% TO 3% | 75' ± |
| 3% TO 6% | 50' ± |
| 6% TO 8% | 25' ± |

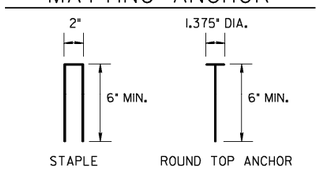



THE GROUND LINE AT POINT-B SHALL BE A MINIMUM OF 6" ABOVE LOWEST ELEVATION OF RECTANGULAR WEIR (POINT-A). END POSTS MAY BE INSTALLED AT POINT-B, BUT PREFERABLY SLIGHTLY HIGHER.

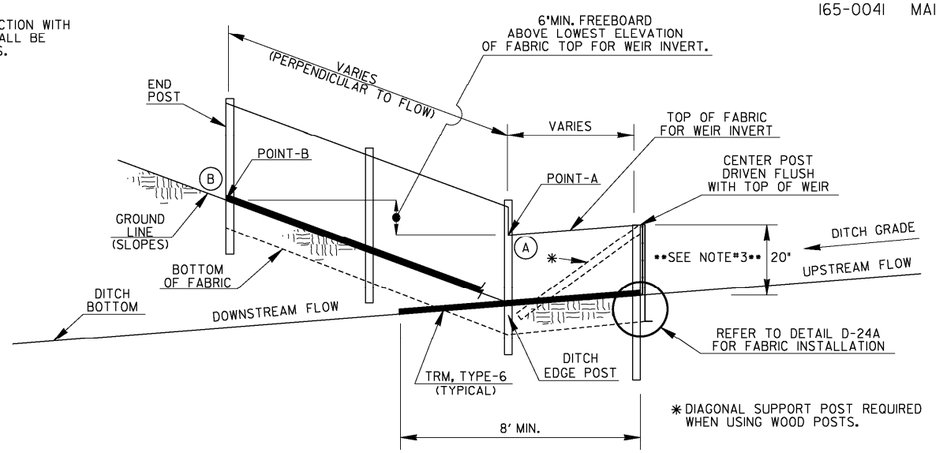
SECTION A-A

NOTE: CROSS-SECTION SHOWN IS AN EXAMPLE OF A TYPICAL CUT SECTION WITH A 4-FT FLAT BOTTOM DITCH. ACTUAL FABRIC CHECK DAMS SHALL BE INSTALLED SIMILARLY ACCORDING TO ROADWAY CROSS-SECTIONS.

## TURF REINFORCEMENT MATTING ANCHOR




NOTE: TURF REINFORCEMENT MATTING SHALL BE ANCHORED WITH 8-GAUGE METAL STAPLES OR ROUND TOP ANCHORS. ANCHORS SHALL BE LONG ENOUGH TO PROVIDE SUFFICIENT GROUND PENETRATION TO RESIST PULL OUT.




NOTES:

1. FABRIC CHECK DAMS MAY BE USED FOR FLOWS UP TO 2.0-CFS. A ROCK FILTER DAM SHALL BE USED AT THE DOWNSTREAM POINT FOR FLOWS GREATER THAN 2.0-CFS.

2. FABRIC CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.

3. FABRIC CHECK DAMS MAY BE USED IN DITCHES WITH DEPTHS AT LEAST 26-IN. IF DITCH DEPTH IS LESS THAN 26-IN, THE WEIR INVERT MAY BE LOWERED SLIGHTLY IN THE FIELD TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A OR TO MATCH SPACING OF WIRE SUPPORT. THE WEIR HEIGHT SHALL BE NO LESS THAN 15-IN. THE DESIGNER SHALL CONSIDER OTHER APPROPRIATE BMPs FOR CONCENTRATED FLOW FOR DITCH DEPTHS LESS THAN 26-IN.

4. THE FOLLOWING STEPS ARE RECOMMENDED FOR PROPER FABRIC CHECK DAM INSTALLATION:

   A) DETERMINE DITCH CENTERLINE AND USE A LINE LEVEL OR OTHER MEANS TO FIND POINT-B WITHIN THE DITCH FORESLOPE AND BACKSLOPE TO PROVIDE 6-IN MINIMUM FREEBOARD ABOVE POINT-A.

   B) CREATE TRENCH 6-IN BELOW DITCH GRADE TO FIT LAYOUT FROM STEP-A WITH MINIMAL SOIL DISTURBANCE.

   C) LAYOUT TURF REINFORCEMENT MATTING (TRM), TYPE-6 TO PROVIDE PROTECTION A MINIMUM LENGTH OF 8-FT DOWNSTREAM OF CENTER POST TO FUNCTION AS A SPLASH PAD TO PREVENT SCOURING. ADDITIONAL NECESSARY TRM SHALL BE OVERLAPPED 3-FT. THE WIDTH SHALL BE THE DISTANCE BETWEEN POINT-B ON THE DITCH FORESLOPE AND POINT-B ON BACKSLOPE.

   D) INSTALL FENCE POSTS THROUGH TRM WITHIN TRENCH. CENTER POST AND POSTS WITHIN WEIR AREA SHALL BE INSTALLED FLUSH WITH WEIR. CUT TRM WITHIN TRENCH FOLLOWING CHECK DAM LAYOUT AND SAVE UPSTREAM PORTION OF TRM FOR FURTHER USE.

   E) PROPERLY INSTALL TYPE-C SILT FENCE. TRENCH BACKFILL SHALL BE COMPACTED WITH A HAND TAMPER, JUMPING JACK COMPACTOR, OR PLATE COMPACTOR TO PREVENT UNDERMINING.

   F) INSTALL PREVIOUSLY CUT TRM FROM STEP-D UPSTREAM AGAINST CHECK DAM. INSTALLING UPSTREAM AND DOWNSTREAM TRM ACCORDING TO DETAIL D-35 FOR THIS TEMPORARY APPLICATION IS NOT REQUIRED. HOWEVER, TRM SHALL HAVE PROPER CONTACT WITH GROUND SURFACE, ANCHORED 6-IN MAXIMUM SPACING ALONG THE EDGES, AND ADEQUATELY WITHIN THE MATTED AREA.

5. TEMPORARY INSTALLATION OF TRM WITH FABRIC CHECK DAMS SHALL BE INCLUDED IN THE LINEAR COST OF THE CONSTRUCTION, REMOVAL, AND MAINTENANCE OF EACH FABRIC CHECK DAM. NO ADDITIONAL PAYMENT WILL BE MADE.

PAY ITEMS:
163-0528 CONSTRUCT & REMOVE FABRIC CHECK DAM, TYPE-C SILT FENCE (LF)
165-0041 MAINTENANCE OF CHECK DAMS - ALL TYPES (LF)

| DATE | REVISION | BY |
|---|---|---|
| | | |

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

# CONSTRUCTION DETAILS

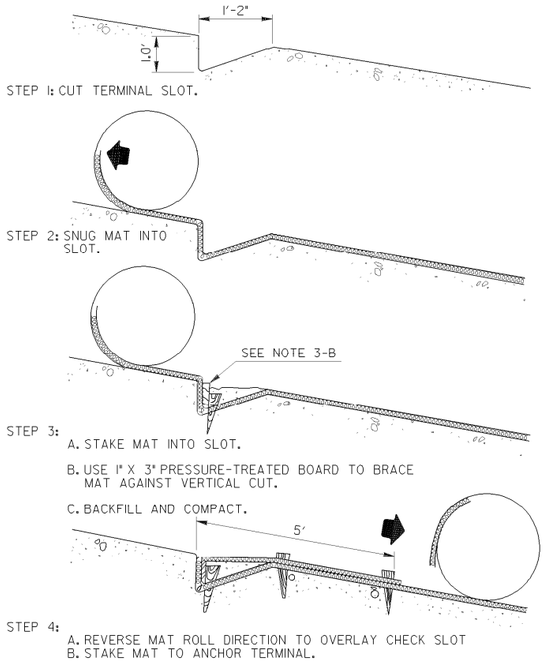
## TEMPORARY SILT FENCE

## FABRIC CHECK DAM

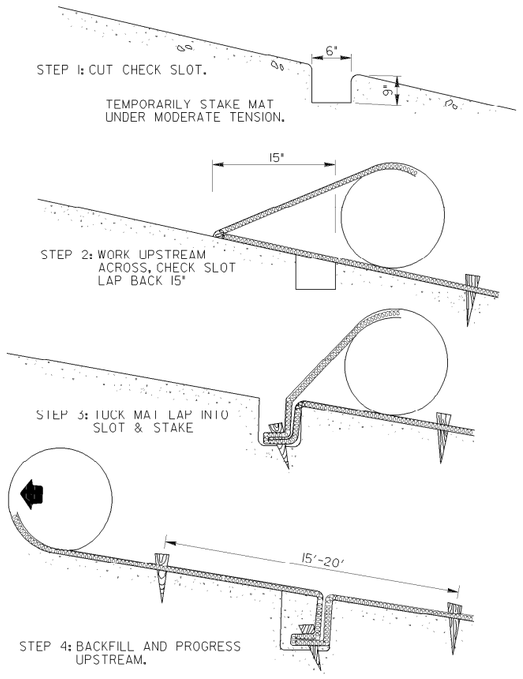
NO SCALE REV. AND REDRAWN, JULY 2015

NUMBER D-24D
(SHEET 4 OF 4)

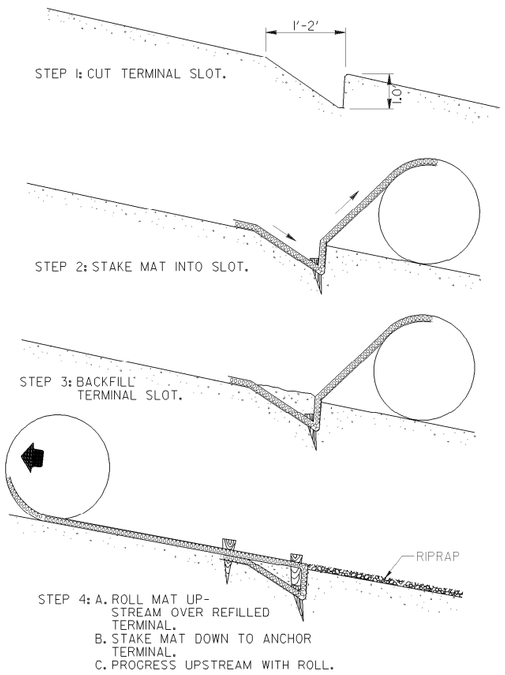
| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | | | |



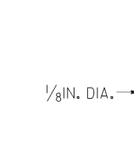

UPSTREAM TERMINAL



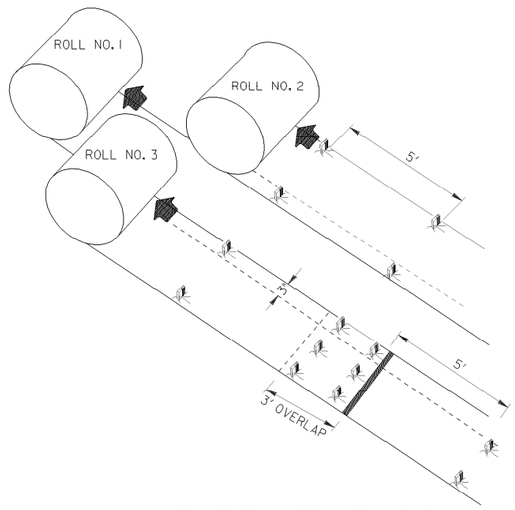

TRANSVERSE CHECK SLOT



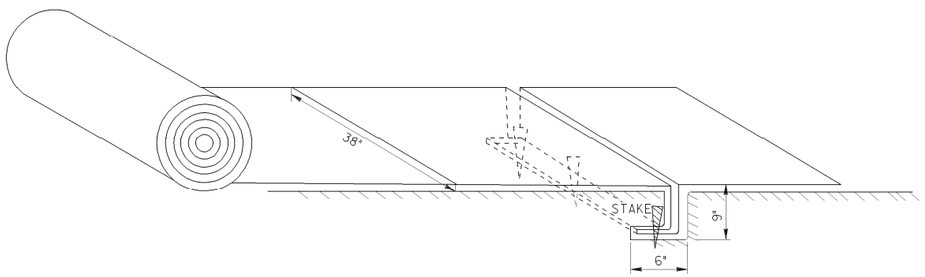

DOWNSTREAM TERMINAL



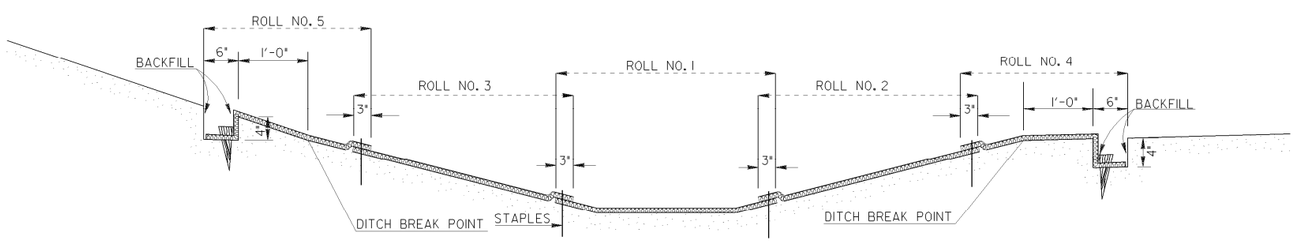

METAL MATTING - BLANKET STAPLE




SEQUENTIAL ROLL RUN OUT IN CHANNELS




PICTORAL VIEW OF TRANSVERSE SLOT




DITCH SECTION

NOTE: MAT TO BE PLACED ONE FEET ABOVE DITCH BREAK POINT OR ONE FOOT ABOVE THE 25 YEAR STORM.

GENERAL NOTES

1. INSTALLATION TO BE DONE AS PER MANUFACTURER'S RECOMMENDATIONS.
2. START AT DOWNSTREAM TERMINAL AND PROGRESS UPSTREAM.
3. FIRST ROLL IS CENTERED LONGITUDINALLY IN MID CHANNEL AND PINNED WITH TEMPORARY STAKES TO MAINTAIN ALIGNMENT.
4. SUBSEQUENT ROLLS FOLLOW IN STAGGERED SEQUENCE BEHIND FIRST ROLL. USE CENTER ROLL FOR ALIGNMENT TO CHANNEL CENTER.
5. WORK OUTWARDS FROM CHANNEL CENTER TO EDGE.
6. USE 3" OVERLAP AND STAKE AT 5' INTERVAL ALONG SEAMS.
7. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT LINING AT ROLL ENDS.
8. METAL STAPLES MAY BE USED IN LIEU OF WOODEN STAKES.

| BY | REVISION | DATE |
|---|---|---|
| T.P.C. | REVISED SHEET LAYOUT & ADDED DITCH SECTION. ADDED METAL STAPLE. | 1-19-11 |

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

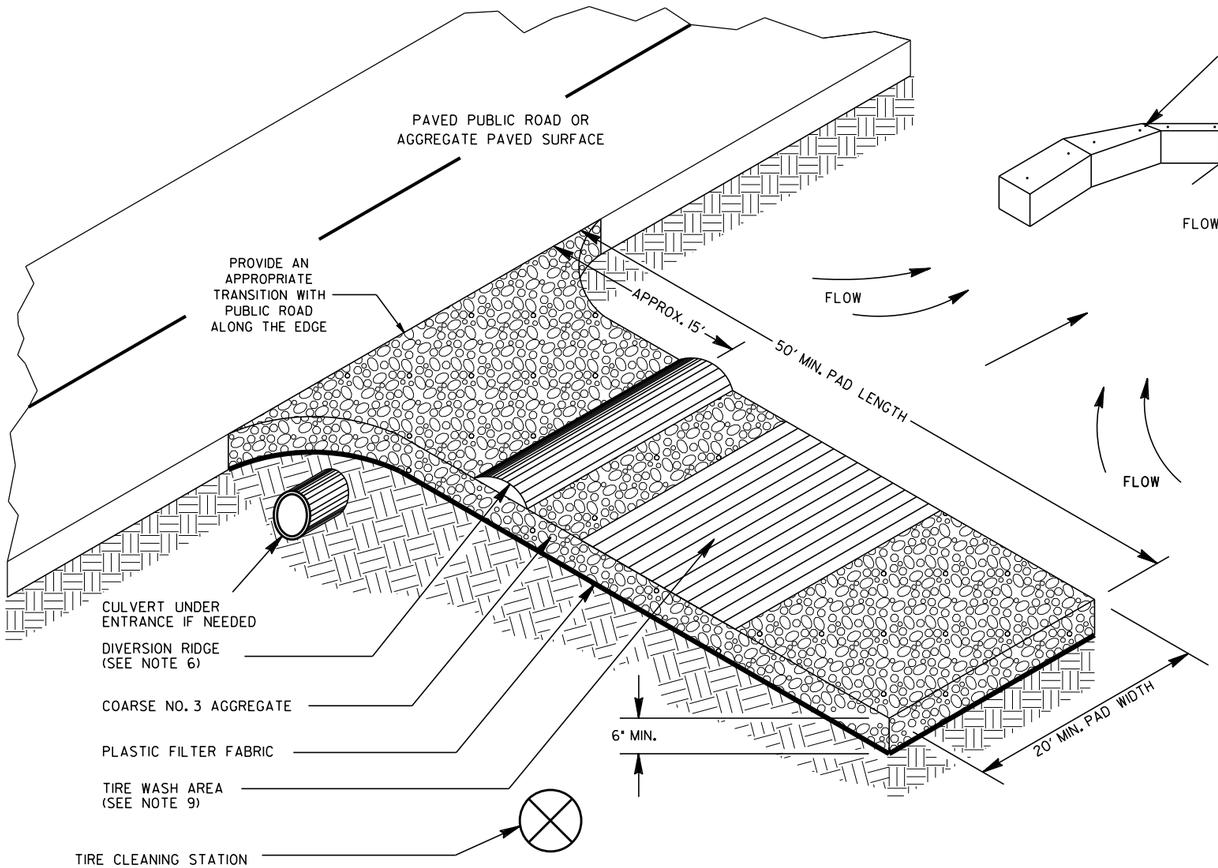
# CONSTRUCTION DETAILS
# PERMANENT SOIL REINFORCING MAT (TURF REINFORCING MATS) INSTALLATION ON DITCHES

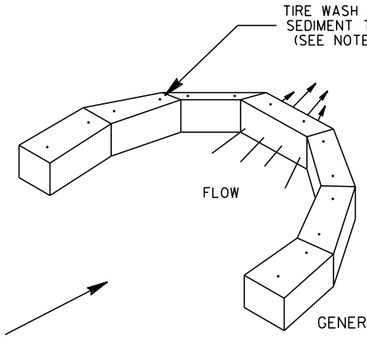
NO SCALE — AUGUST 1988

Designed ____
Drawn K.L.J.
Traced ____
Checked ____

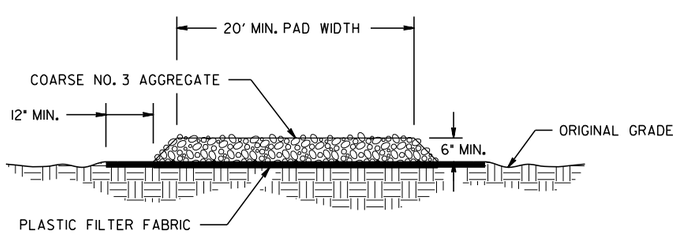
NUMBER D-35

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | | | |




## ENTRANCE ELEVATION




GENERAL NOTES:

1. AVOID LOCATING CONSTRUCTION EXITS ON STEEP SLOPES OR AT SHARP CURVES ON PUBLIC ROADS. CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA AND GRADE FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE COARSE NO. 3 AGGREGATE WITH 0.0% PASSING THE 1.06 INCH U.S. STANDARD SIEVE.
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES AND PLACED ON APPROVED PLASTIC FILTER FABRIC.
5. GRAVEL PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. PROVIDE A TRAVERSABLE DIVERSION RIDGE CONSTRUCTED OF AGGREGATE 6 INCHES TO 8 INCHES HIGH WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%.
7. INSTALL CULVERT UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. TIRE WASH AREA INCLUDES SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE AND SHALL BE CONSTRUCTED EVEN IF CONSTRUCTION EXIT TIRE CLEANING STATION IS NOT USED.
9. IF THE ACTION OF THE VEHICLE TRAVELING OVER THE GRAVEL PAD DOES NOT SUFFICIENTLY REMOVE THE MUD PRIOR TO ENTERING PUBLIC ROADS THUS DICTATING ADDITIONAL TIRE CLEANING MEASURES, THE CONTRACTOR SHALL ADD A CONSTRUCTION EXIT TIRE CLEANING STATION TO AN EXISTING CONSTRUCTION EXIT OR WHEN DIRECTED BY THE ENGINEER. THE CONSTRUCTION EXIT TIRE CLEANING STATION INCLUDES: WATER SOURCE, LABOR AND ALL MATERIALS NECESSARY TO PERFORM TASK. THIS WILL BE PAID FOR AS SHOWN IN SECTION 163.

   THE WASHING SHALL BE DONE ON AN AREA STABILIZED WITH AGGREGATE THAT DRAINS INTO A SEDIMENT TRAP OR OTHER ACCEPTABLE SEDIMENT STORAGE DEVICE. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE CONSTRUCTION EXIT TO THE SEDIMENT CONTROL DEVICE. ACCEPTABLE SEDIMENT STORAGE DEVICE EXAMPLES INCLUDE TEMPORARY SEDIMENT TRAPS, HAY BALES OR STONE FILTER RING WITH THE SEDIMENT STORAGE SIZED FOR 67 CUBIC YARDS PER ACRE OF DRAINAGE. TIRE WASHING SHALL BE DONE MANUALLY OR BY EQUIPMENT SUITABLE FOR TRUCK TRAFFIC THAT REMOVES MUD AND DIRT.
10. AGGREGATE SHALL BE KEPT LOOSE OR SCARIFIED WHEN AGGREGATE BECOMES CONSOLIDATED.
11. CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT. MAINTENANCE OF CONSTRUCTION EXIT MAY BE PAID WITH OR WITHOUT THE MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA. WHEN DIRECTED BY THE ENGINEER. ALL MUD AND DEBRIS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OR SITE ONTO ROADWAYS OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.

SEE SECTION 163 FOR THE CONSTRUCTION AND REMOVAL OF CONSTRUCTION EXITS. SEE SECTION 165 FOR THE MAINTENANCE OF CONSTRUCTION EXITS.

| PAY ITEM: | | |
|---|---|---|
| 163-0301 | CONSTRUCT AND REMOVE CONSTRUCTION EXITS | (EA) |
| 165-0101 | MAINTENANCE OF CONSTRUCTION EXIT | (EA) |
| 165-0310 | MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA | (EA) |
| **PAY ITEM:** | **FOR FIELD USE ONLY ACCORDING TO SECTION 163** | |
| 163-0310 | CONSTRUCTION EXIT TIRE CLEANING STATION | (DAY) |

| BY | REVISION | DATE |
|---|---|---|
| HAC | REV GEN NOTES * 8-II | 11-04-20 |
| | REV PAY ITEM DESCS/REFS | |
| DLE | REV. TIRE WASH & NOTES | 04-18-18 |
| DLE | REV. CSWCC 2016 MANUAL | 04-22-16 |
| TPC | REV. CONSTR. EXIT LABELS | 01-19-11 |

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

# CONSTRUCTION DETAILS

## CONSTRUCTION EXIT

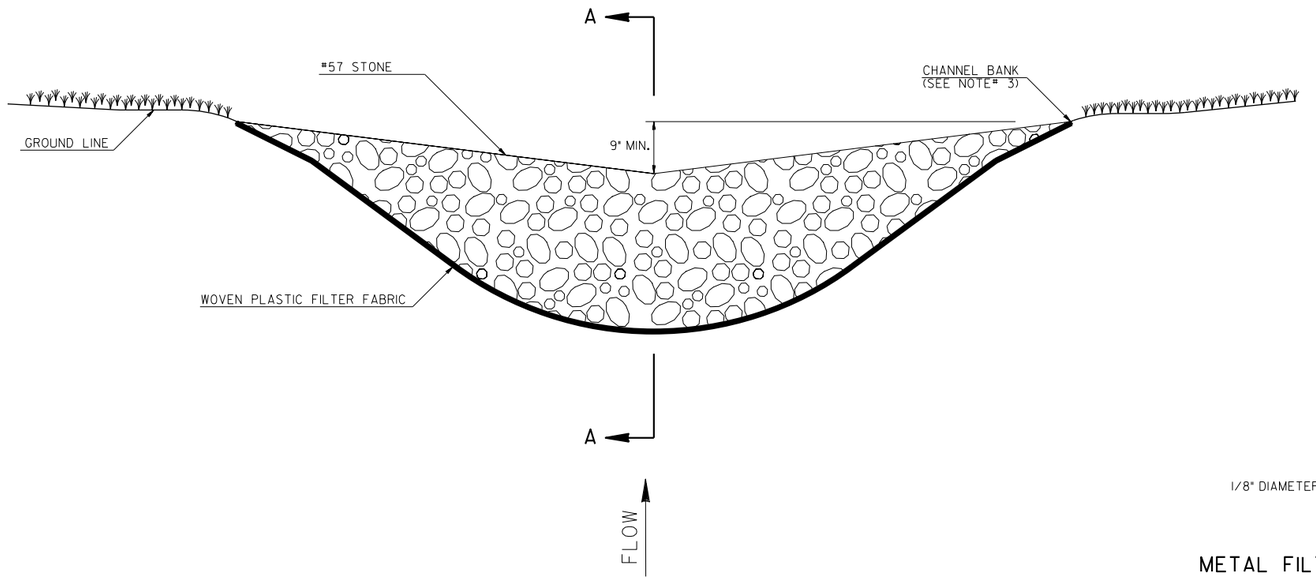
NO SCALE

FEBRUARY 2001

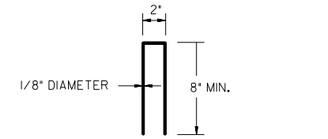
DESIGNED ____
DRAWN DLE
TRACED ____
CHECKED ____

NUMBER
D-41

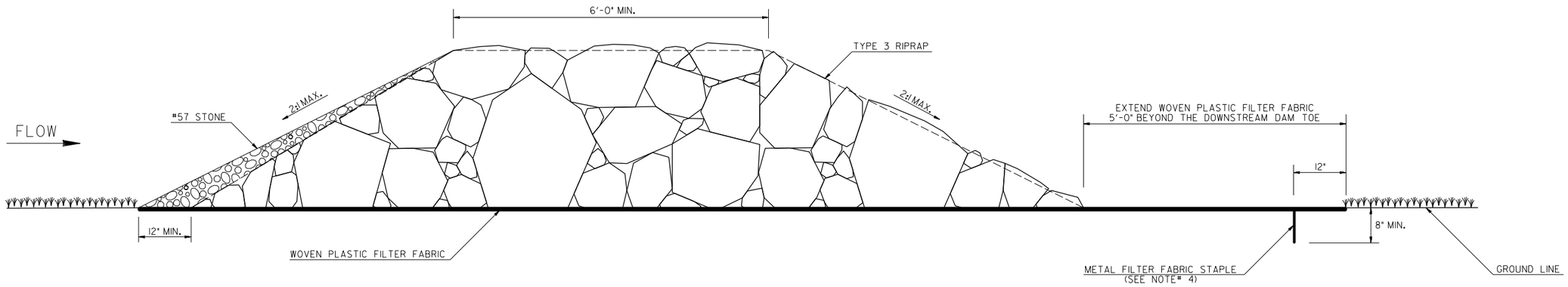
| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | | | |




SECTION A-A




METAL FILTER FABRIC STAPLE




GENERAL NOTES:

1. THE MAXIMUM DRAINAGE AREA TO A ROCK FILTER DAM SHALL BE 50-ACRES.
2. ROCK FILTER DAMS SHALL NOT BE INSTALLED IN STATE WATERS.
3. THE ROCK FILTER DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS OR ADVERSELY IMPACT UPSTREAM PROPERTY OR STATE WATERS WITH BACKWATER. THE CENTER OF THE ROCK FILTER DAM SHOULD BE AT LEAST 9-INCHES LOWER THAN THE OUTER EDGES OF THE ROCK FILTER DAM AT THE CHANNEL BANKS.
4. ANCHOR THE WOVEN PLASTIC FILTER FABRIC TO THE GROUND SURFACE WITH METAL FILTER FABRIC STAPLES 12-INCHES FROM THE EDGE AND NO GREATER THAN 12-INCHES APART.
5. REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE ROCK FILTER DAM. WOVEN PLASTIC FILTER FABRIC SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED.

PAY ITEMS:

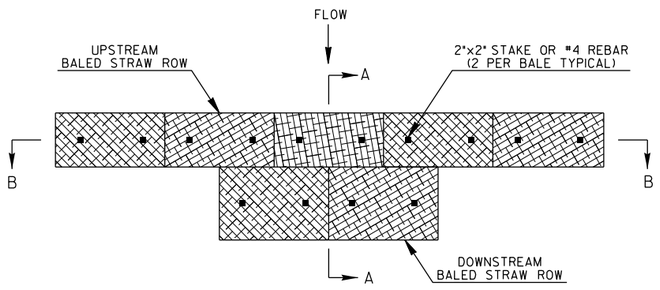
| | | |
|---|---|---|
| 163-0541 | CONSTRUCT AND REMOVE ROCK FILTER DAM | (EA) |
| 165-0110 | MAINTENANCE OF ROCK FILTER DAM | (EA) |

| | | | |
|---|---|---|---|
| | DATE | DEPARTMENT OF TRANSPORTATION<br>STATE OF GEORGIA | |
| | REVISION | CONSTRUCTION DETAILS<br>ROCK FILTER DAM | |
| | | NO SCALE | 4-22-2016 |
| | BY | | NUMBER<br>D-43 |

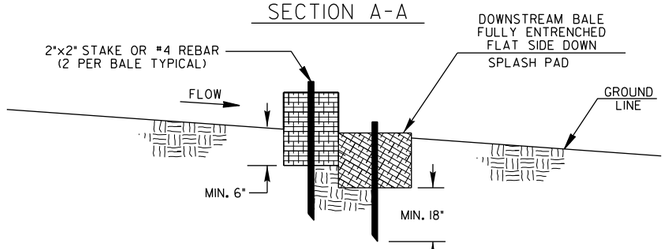
| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | | | |

# BALED STRAW CHECK DAM

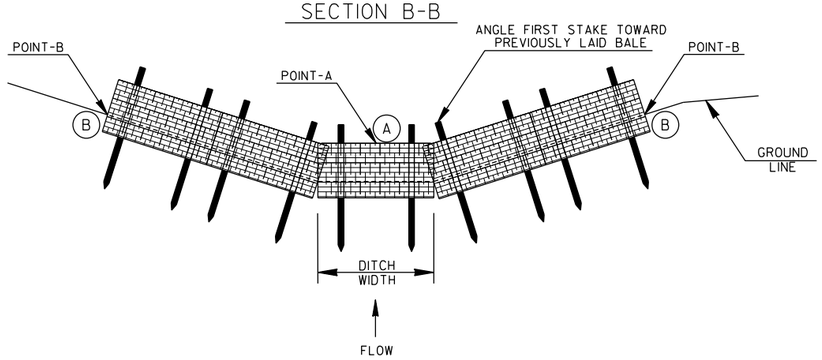
## PLAN VIEW




## SECTION A-A




## SECTION B-B




BALED STRAW CHECK DAM GENERAL NOTES:

1. BALED STRAW DIMENSIONS MAY VARY. ASSUME APPROXIMATE DIMENSIONS OF 14"Wx18"Hx36"L FOR A TWO STRINGER AND 16"Wx24"HX48"L FOR A THREE STRINGER. BALES SHOULD BE BOUND WITH WIRE OR NYLON INSTEAD OF TWINE.
2. BALES SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING THE ADJACENT BALES. THE TOP OF THE UPSTREAM BALES IN THE CENTER OF CHANNEL SHOULD BE LEVEL AND SET AT THE SAME ELEVATION. THE DOWNSTREAM BALES SHOULD BE ENTRENCHED EVEN WITH THE CHANNEL BOTTOM.
3. THE GROUND LINE AT POINT-B SHALL ALWAYS BE AT MINIMUM OF 6 INCHES ABOVE POINT-A.
4. REMOVE SEDIMENT ONCE THE ACCUMULATED HEIGHT HAS REACHED HALF THE STORAGE HEIGHT.
5. INSTALLATION MAY BE ADJUSTED SLIGHTLY TO MEET FIELD CONDITIONS; HOWEVER, SPLASH PAD IS REQUIRED.

PAY ITEMS:

| | |
|---|---|
| 163-0529 | CONSTRUCT & REMOVE TEMPORARY SEDIMENT BARRIER OR BALED STRAW CHECK DAM (LF) |
| 165-0041 | MAINTENANCE OF CHECK DAMS - ALL TYPES (LF) |

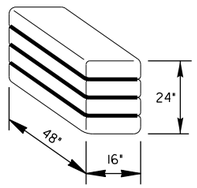
SPECIAL NOTES:

1. BALED STRAW AND COMPOST FILTER SOCK CHECK DAMS MAY BE USED FOR FLOWS UP TO 2.0 CFS OR DRAINAGE AREAS UP TO 1.0 ACRE. IF THESE ITEMS ARE USED IN DRAINAGE AREAS GREATER THAN 1.0 ACRE, FLOWS GREATER THAN 2.0 CFS, OR WITHOUT A SEDIMENT BASIN, A MINIMUM OF ONE ROCK FILTER DAM AT THE DOWNSTREAM DISCHARGE POINT SHALL BE USED IN CONJUNCTION WITH BALED STRAW OR COMPOST FILTER SOCK CHECK DAMS.
2. BALED STRAW AND COMPOST FILTER SOCK CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STREAMS OR IN A TIDAL AREA BELOW HIGH TIDE.

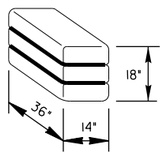
## APPROXIMATE BALED STRAW DIMENSIONS

(SEE NOTE# 1)

THREE STRINGER BOUNDING

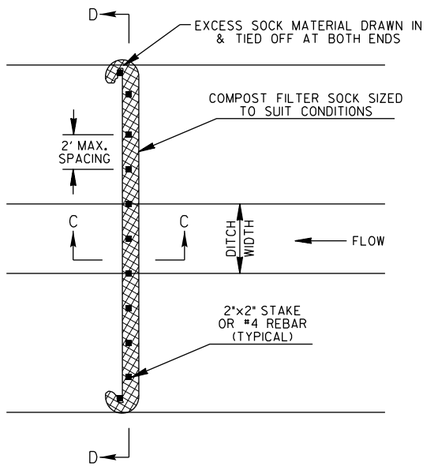



TWO STRINGER BOUNDING

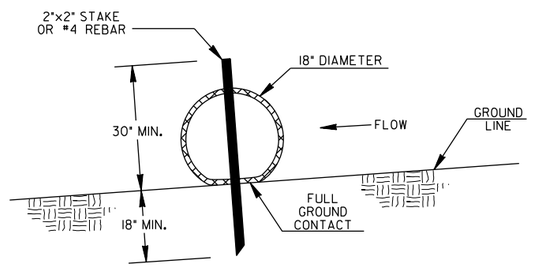



# COMPOST FILTER SOCK CHECK DAM

## PLAN VIEW

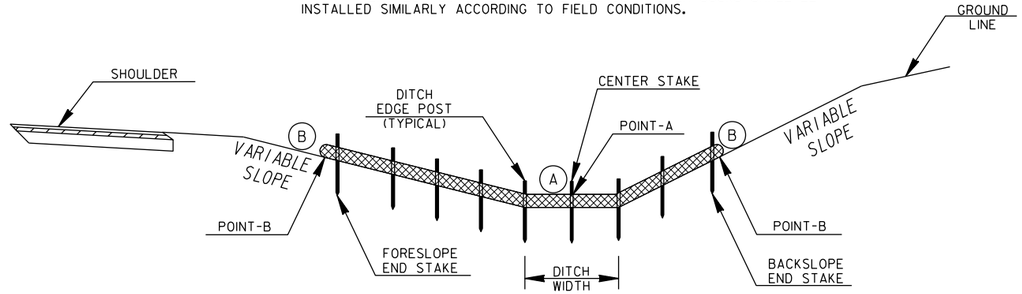



## SECTION C-C




## SECTION D-D

NOTE: CROSS-SECTION SHOWN IS AN EXAMPLE OF A TYPICAL CUT SECTION WITH A 4-FT FLAT BOTTOM DITCH. ACTUAL COMPOST FILTER SOCKS SHALL BE INSTALLED SIMILARLY ACCORDING TO FIELD CONDITIONS.




COMPOST FILTER SOCK CHECK DAM GENERAL NOTES:

1. THE CONTRACTOR MAY ELECT TO USE 18" DIAMETER COMPOST FILTER SOCK CHECK DAMS IN LIEU OF BALED STRAW CHECK DAMS. NO ADDITIONAL PAYMENT WILL BE MADE FOR THE CONSTRUCTION, REMOVAL, OR MAINTENANCE OF COMPOST FILTER SOCK CHECK DAMS.
2. COMPOST FILTER MEDIA SHALL MEET THE SPECIFICATIONS IN THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". THE CONTRACTOR SHALL PROVIDE VERIFICATION OF MEETING SPECIFICATIONS IF REQUESTED.
3. THE GROUND LINE AT POINT-B SHALL BE A MINIMUM OF 6 INCHES ABOVE POINT-A.
4. ENSURE COMPOST FILTER SOCK HAS FULL CONTACT WITH GROUND SURFACE. PLACE ONE STAKE AT THE CENTER OF CHANNEL, AT THE TOE OF FORESLOPE AND BACKSLOPE, AND AT THE ENDS OF DEVICE. STAKES SHALL HAVE A MAXIMUM SPACING OF 2 FEET.
5. REMOVE SEDIMENT ONCE THE ACCUMULATED HEIGHT HAS REACHED HALF THE STORAGE HEIGHT.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

# CONSTRUCTION DETAILS

## BALED STRAW & COMPOST FILTER SOCK CHECK DAMS FOR EROSION CONTROL

NO SCALE

4-22-2016

DATE | REVISION | BY

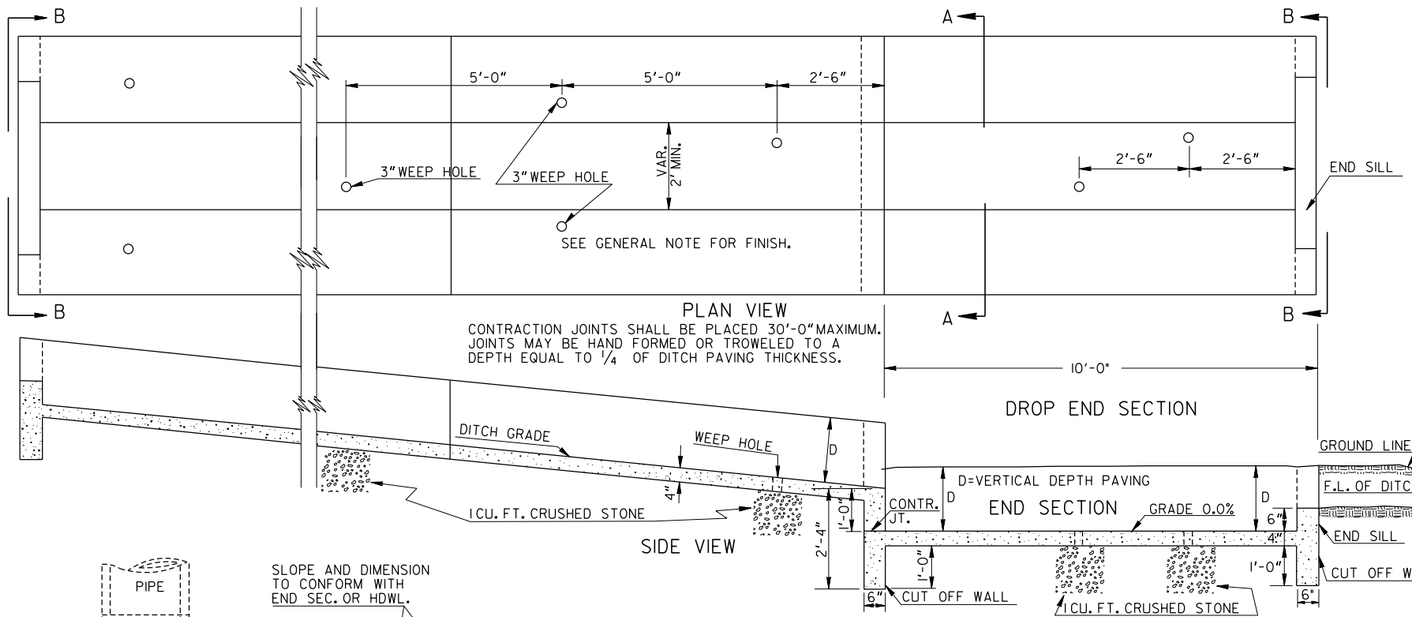
DESIGNED ____
DRAWN DLE
TRACED ____
CHECKED ____

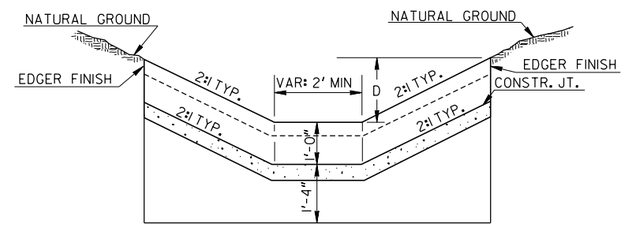
NUMBER D-52

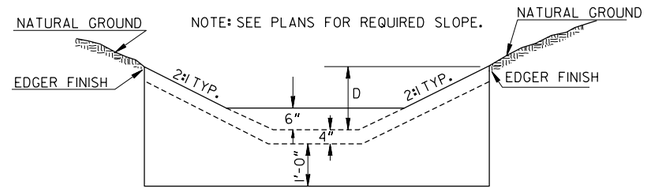
GDOT Georgia Department of Transportation | P. I. No. XXXXXXX

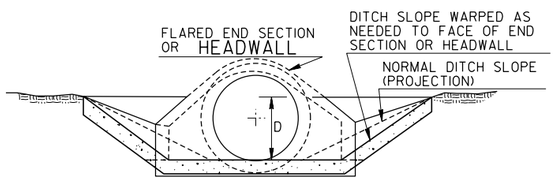
## TYPICAL QUANTITIES FOR 4" CONCRETE DITCH PAVING - SQ. YDS. / LIN. FT.

| DEPTH (FEET) | 8:1 FR. SL. V BOTTOM 8:1 BK. SL. | 8:1 FR. SL. 2' BOTTOM 8:1 BK. SL. | 8:1 FR. SL. 2' BOTTOM 4:1 BK. SL. | 8:1 FR. SL. 2' BOTTOM 3:1 BK. SL. | 8:1 FR. SL. 2' BOTTOM 2:1 BK. SL. | 6:1 FR. SL. 2' BOTTOM 6:1 BK. SL. | 6:1 FR. SL. 2' BOTTOM 4:1 BK. SL. | 6:1 FR. SL. 2' BOTTOM 3:1 BK. SL. | 6:1 FR. SL. 2' BOTTOM 2:1 BK. SL. | 4:1 FR. SL. 2' BOTTOM 4:1 BK. SL. | 4:1 FR. SL. 2' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 2' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 3' BOTTOM 2:1 BK. SL. | 4:1 FR. SL. 4' BOTTOM 4:1 BK. SL. | 4:1 FR. SL. 4' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 4' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 5' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 6' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 7' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 8' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 9' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 10' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 12' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 14' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 16' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 18' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 20' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 25' BOTTOM 2:1 BK. SL. | 2:1 FR. SL. 30' BOTTOM 2:1 BK. SL. | DEPTH (FEET) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.50 | 0.895 | 1.118 | 0.899 | 0.846 | 0.794 | 0.898 | 0.789 | 0.735 | 0.684 | 0.680 | 0.575 | 0.470 | 0.581 | 0.902 | 0.797 | 0.692 | 0.804 | 0.915 | 1.026 | 1.137 | 1.248 | 1.359 | 1.581 | 1.804 | 2.026 | 2.248 | 2.470 | 3.026 | 3.581 | 0.50 |
| 0.75 | 1.343 | 1.565 | 1.238 | 1.158 | 1.081 | 1.236 | 1.072 | 0.992 | 0.915 | 0.909 | 0.752 | 0.594 | 0.706 | 1.131 | 0.974 | 0.817 | 0.928 | 1.039 | 1.150 | 1.261 | 1.372 | 1.483 | 1.706 | 1.928 | 2.150 | 2.372 | 2.594 | 3.150 | 3.706 | 0.75 |
| 1.00 | 1.791 | 2.031 | 1.576 | 1.469 | 1.367 | 1.573 | 1.356 | 1.249 | 1.146 | 1.138 | 0.928 | 0.719 | 0.830 | 1.360 | 1.151 | 0.941 | 1.052 | 1.163 | 1.274 | 1.385 | 1.496 | 1.608 | 1.830 | 2.052 | 2.274 | 2.496 | 2.719 | 3.274 | 3.830 | 1.00 |
| 1.25 | 2.239 | 2.461 | 1.915 | 1.781 | 1.652 | 1.911 | 1.639 | 1.506 | 1.377 | 1.367 | 1.105 | 0.843 | 0.954 | 1.589 | 1.327 | 1.065 | 1.176 | 1.287 | 1.398 | 1.510 | 1.621 | 1.732 | 1.954 | 2.176 | 2.398 | 2.621 | 2.843 | 3.398 | 3.954 | 1.25 |
| 1.50 | 2.687 | 2.909 | 2.253 | 2.093 | 1.939 | 2.249 | 1.923 | 1.763 | 1.608 | 1.596 | 1.282 | 0.967 | 1.078 | 1.818 | 1.504 | 1.189 | 1.300 | 1.412 | 1.523 | 1.634 | 1.745 | 1.856 | 2.078 | 2.300 | 2.523 | 2.745 | 2.967 | 3.523 | 4.078 | 1.50 |
| 1.75 | 3.135 | 3.357 | | | | 2.587 | 2.206 | 2.019 | 1.839 | 1.825 | 1.458 | 1.091 | 1.202 | 2.047 | 1.680 | 1.314 | 1.425 | 1.536 | 1.647 | 1.758 | 1.869 | 1.980 | 2.202 | 2.425 | 2.647 | 2.869 | 3.091 | 3.647 | 4.202 | 1.75 |
| 2.00 | 3.583 | 3.805 | | | | 2.925 | 2.490 | 2.276 | 2.070 | 2.054 | 1.635 | 1.216 | 1.327 | 2.276 | 1.857 | 1.438 | 1.549 | 1.660 | 1.771 | 1.882 | 1.993 | 2.104 | 2.327 | 2.549 | 2.771 | 2.993 | 3.216 | 3.771 | 4.327 | 2.00 |
| 2.25 | 4.031 | 4.253 | | | | 3.263 | 2.773 | 2.533 | 2.301 | 2.283 | 1.812 | 1.340 | 1.451 | 2.505 | 2.034 | 1.562 | 1.673 | 1.784 | 1.895 | 2.006 | 2.118 | 2.229 | 2.451 | 2.673 | 2.895 | 3.118 | 3.340 | 3.895 | 4.451 | 2.25 |
| 2.50 | 4.479 | 4.701 | | | | 3.601 | 3.057 | 2.790 | 2.533 | 2.512 | 1.988 | 1.464 | 1.575 | 2.735 | 2.210 | 1.686 | 1.797 | 1.908 | 2.020 | 2.131 | 2.242 | 2.353 | 2.575 | 2.797 | 3.020 | 3.242 | 3.464 | 4.020 | 4.575 | 2.50 |
| 2.75 | 4.926 | 5.149 | | | | 3.939 | 3.340 | 3.047 | 2.764 | 2.741 | 2.165 | 1.588 | 1.699 | 2.964 | 2.387 | 1.810 | 1.922 | 2.033 | 2.144 | 2.255 | 2.366 | 2.477 | 2.699 | 2.922 | 3.144 | 3.366 | 3.588 | 4.144 | 4.699 | 2.75 |
| 3.00 | 5.374 | 5.597 | | | | 4.277 | 3.624 | 3.303 | 2.995 | 2.970 | 2.341 | 1.712 | 1.824 | 3.193 | 2.564 | 1.935 | 2.046 | 2.157 | 2.268 | 2.379 | 2.490 | 2.601 | 2.824 | 3.046 | 3.268 | 3.490 | 3.712 | 4.268 | 4.824 | 3.00 |
| 3.25 | 5.822 | 6.044 | | | | 4.615 | 3.907 | 3.560 | 3.226 | 3.200 | 2.518 | 1.837 | 1.948 | 3.422 | 2.740 | 2.059 | 2.170 | 2.281 | 2.392 | 2.503 | 2.614 | 2.726 | 2.948 | 3.170 | 3.392 | 3.614 | 3.837 | 4.392 | 4.948 | 3.25 |
| 3.50 | 6.270 | 6.492 | | | | 4.953 | 4.191 | 3.817 | 3.457 | 3.429 | 2.695 | 1.961 | 2.072 | 3.651 | 2.917 | 2.183 | 2.294 | 2.405 | 2.516 | 2.628 | 2.739 | 2.850 | 3.072 | 3.294 | 3.516 | 3.739 | 3.961 | 4.516 | 5.072 | 3.50 |
| 3.75 | 6.718 | 6.940 | | | | 5.291 | 4.474 | 4.074 | 3.688 | 3.658 | 2.871 | 2.085 | 2.196 | 3.880 | 3.094 | 2.307 | 2.418 | 2.530 | 2.641 | 2.752 | 2.863 | 2.974 | 3.196 | 3.418 | 3.641 | 3.863 | 4.085 | 4.641 | 5.196 | 3.75 |
| 4.00 | 7.166 | 7.388 | | | | 5.629 | 4.758 | 4.331 | 3.919 | 3.887 | 3.048 | 2.209 | 2.320 | 4.109 | 3.270 | 2.432 | 2.543 | 2.654 | 2.765 | 2.876 | 2.987 | 3.098 | 3.320 | 3.543 | 3.765 | 3.987 | 4.209 | 4.765 | 5.320 | 4.00 |

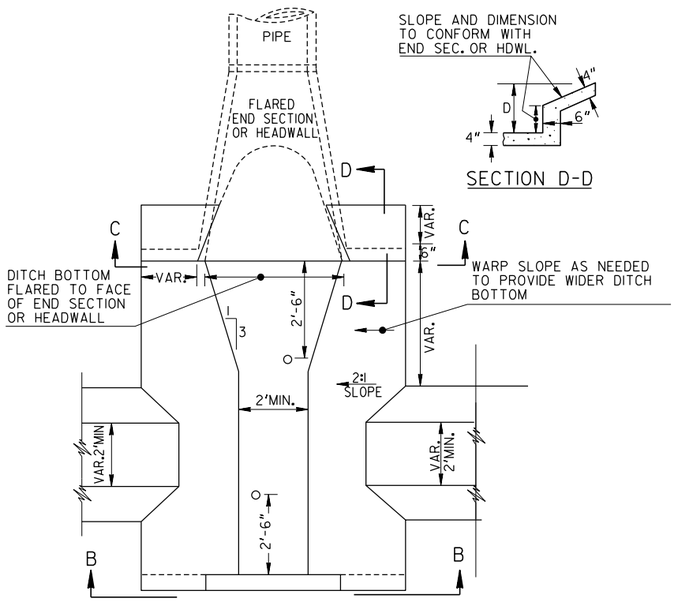


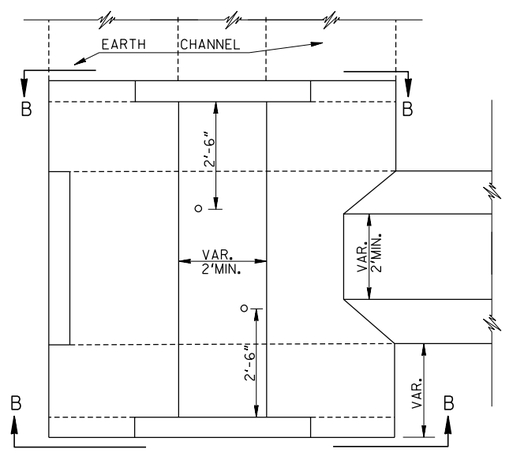




NOTE: DROP END SECTION MUST BE CONSTRUCTED BEFORE ADJACENT UPSTREAM SECTION IS POURED (SEE CONSTR. JOINT IN SECTION A-A). DROP END SECTION MAY BE OMITTED AND END SECTION OF DITCH BURIED 3'-0" BELOW NATURAL CHANNEL WHEN APPROVED BY THE ENGINEER.




CONNECTING PAVED DITCH TO FLARED END SECTION OR HEADWALL (TYPICAL DETAIL)




CONNECTING PAVED DITCH TO EARTH CHANNEL (TYPICAL DETAIL)

GENERAL NOTES:

1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION, & SUPPLEMENTS THERETO.
2. CONCRETE DITCH PAVING IS TO BE CONSTRUCTED TO LINES AND GRADES SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. PAYMENT FOR CONCRETE DITCH PAVING INCLUDES THE CUT-OFF WALL & END SILL AT INLET AND OUTLET END OF DITCH, THE CRUSHED STONE FOR WEEP HOLES, AND EXPANSION JOINT MATERIAL.
4. A DROP END SECTION WILL BE CONSTRUCTED AS 4" CONCRETE DITCH PAVING ON THE DOWNSTREAM END OF ALL PAVED DITCHES.
5. SIDE SLOPES ON PAVED BERM AND SURFACE DITCHES SHALL BE 2:1 UNLESS MODIFIED ON CONSTRUCTION TO MEET FIELD CONDITIONS. WHEN PAVING IS PLACED IN A NORMAL ROADWAY DITCH, THE SIDE SLOPES AND BOTTOM WILL CONFORM TO THOSE SHOWN ON THE ROADWAY TYPICAL SECTION.
6. WEEP HOLES SHALL BE OMITTED IN ALL SURFACE DITCHES OF THE TOP OF CUT SLOPES. WEEP HOLES SHALL BE REQUIRED IN BERM DITCHES AND ROADWAY DITCHES WHEN PAVED.
7. SURFACE FINISH SHALL BE FLOATED SUFFICIENTLY TO COVER AGGREGATE WITH MORTAR.
8. EXPANSION JOINTS ARE REQUIRED WHERE PAVED DITCH CONNECTS TO OTHER CONCRETE STRUCTURES.
9. QUANTITIES APPLY TO ANY TYPE OF DITCH REQUIRING PROTECTION. QUANTITIES MAY ALSO BE USED FOR PERMANENT SOIL REINFORCING MAT OR OTHER KINDS OF DITCH PROTECTION ITEMIZED AS SQ. YDS.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAIL

# 4" CONCRETE DITCH PAVING

*DETAILS AND QUANTITIES*

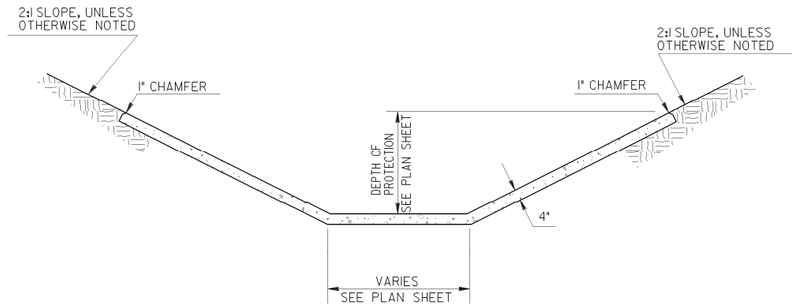
DATE | REVISION | BY

JANUARY 1988

NOT TO SCALE

NUMBER D-10

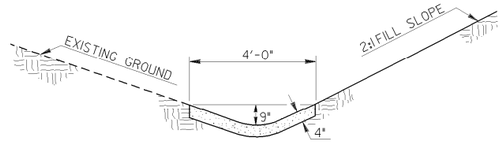
| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | | | |




## TYPICAL FLAT BOTTOM PAVED DITCH

GENERAL NOTES:

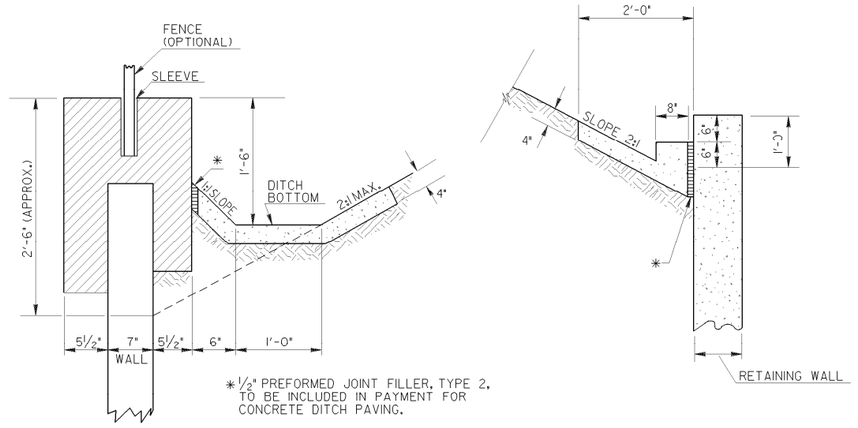
1. SEE CONSTRCUTION DETAIL D-10 (4" CONCRETE DITCH PAVING DETAILS AND QUANTITIES)
2. WEEP HOLE LOCATION SEE CONSTRUCTION DETAIL D-10




## PAVED SWALE DITCH

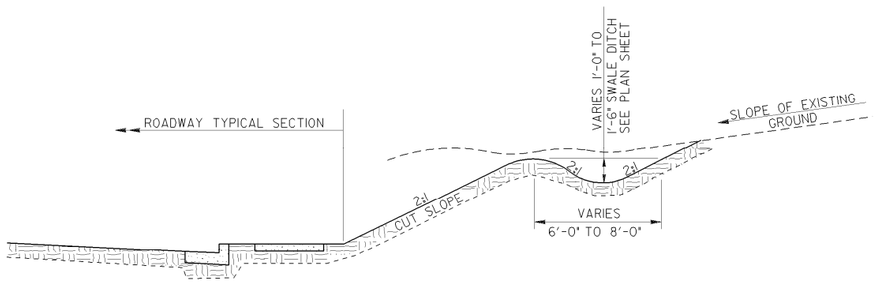
GENARAL NOTES:

1. CONCRETE SHALL BE PER SECTION 441.
2. EARTH SHALL BE THOROUGHLY TAMPED OVER ENTIRE AREA UNDER DITCH PAVEMENT.




*½" PREFORMED JOINT FILLER, TYPE 2. TO BE INCLUDED IN PAYMENT FOR CONCRETE DITCH PAVING.

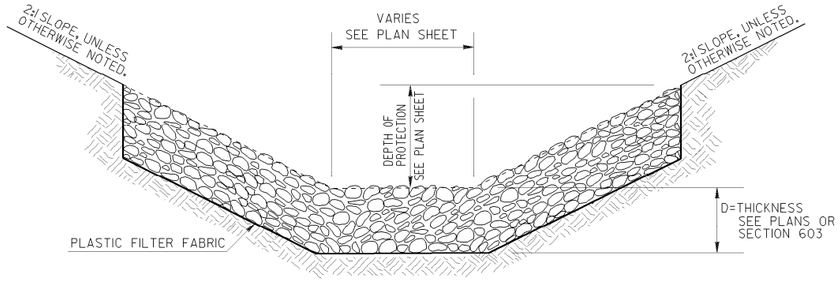
## PAVED DITCH (IN BACK OF RETAINING WALL)




## DETAIL OF SWALE DITCH

GENRAL NOTES:

1. APPLICABLE AS SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER ON CONSTRUCTION.
2. TO BE PAID FOR AS UNCLASSIFIED EXCAVATION OR GRADING COMPLETE.




## TYPICAL FLAT BOTTOM RIP RAP DITCH

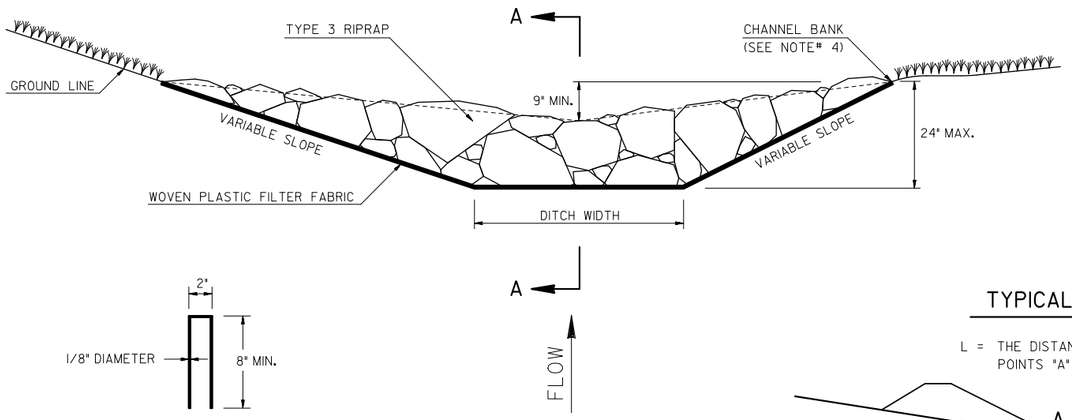
GENERAL NOTES:

1. BASIS OF PAYMENT: STONE RIP RAP, PER SQ. YD.

| | | |
|---|---|---|
| DATE | DEPARTMENT OF TRANSPORTATION<br>STATE OF GEORGIA | |
| REVISION | CONSTRUCTION DETAIL<br>DITCH BACK OF RETAINING WALL<br>SWALE DITCHES; RIP RAP DITCH | |
| | NO SCALE — FEBRUARY, 2011 | |
| BY | | NUMBER<br>D-49 |

| STATE | PROJECT NUMBER | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|
| GA. | | | |

## STONE CHECK DAM

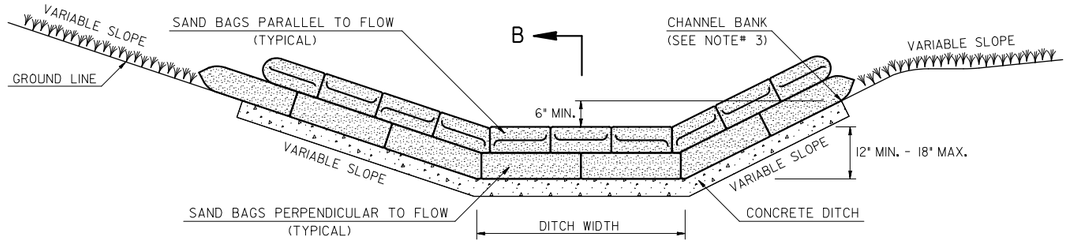






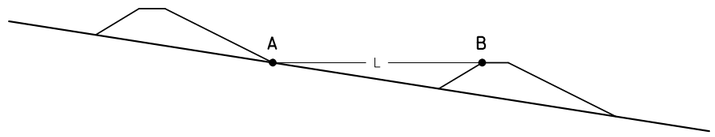
METAL FILTER FABRIC STAPLE

## SAND BAG CHECK DAM



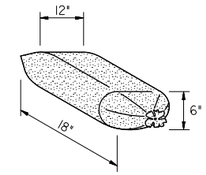

## TYPICAL CHECK DAM SPACING

L = THE DISTANCE BETWEEN CHECK DAMS SUCH THAT POINTS "A" AND "B" ARE OF EQUAL ELEVATION

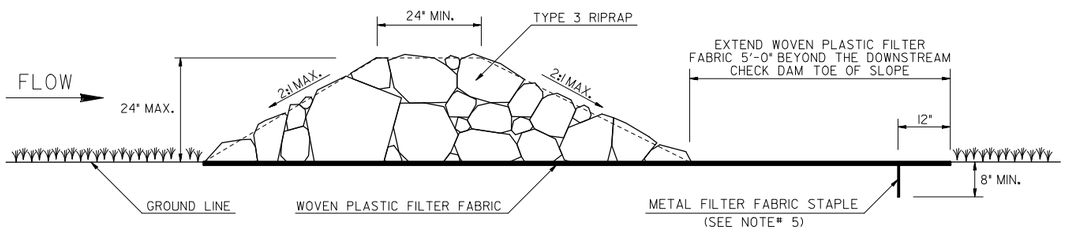



## SAND BAG DIMENSIONS

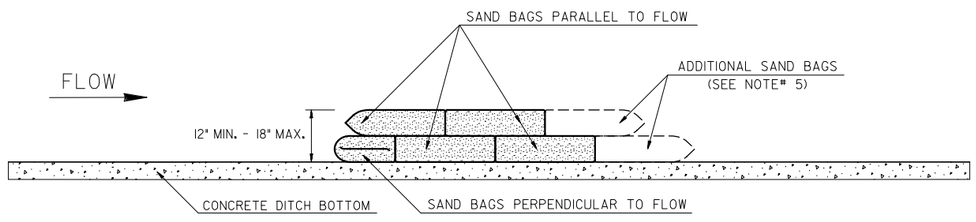
(SEE NOTE# 6)




## SECTION A-A




## SECTION B-B




STONE CHECK DAM GENERAL NOTES:

1. STONE CHECK DAMS SHALL NOT BE INSTALLED IN THE CLEAR ZONE OF UNPROTECTED ACTIVE TRAFFIC.
2. APPROPRIATE CONVENTIONAL OR APPROVED ALTERNATIVE BMPs SHALL BE PROVIDED DOWNSTREAM OF STONE CHECK DAMS AT THE DISCHARGE POINT FOR FLOWS GREATER THAN 2.0-CUBIC FEET PER SECOND.
3. STONE CHECK DAMS SHALL NOT BE PLACED WITHIN FLOWING STATE WATERS.
4. THE CENTER OF THE STONE CHECK DAM SHALL BE AT LEAST 9-INCHES LOWER THAN THE OUTER EDGES OF THE STONE CHECK DAM. THE HEIGHT AT THE CENTER OF THE STONE CHECK DAM MAY BE INCREASED TO A MAXIMUM OF 24-INCHES IF A MINIMUM OF 9-INCHES OF FREEBOARD IS STILL PROVIDED AT THE CHANNEL BANK.
5. ANCHOR THE WOVEN PLASTIC FILTER FABRIC TO THE GROUND SURFACE WITH METAL FILTER FABRIC STAPLES 12-INCHES FROM THE EDGE AND NO GREATER THAN 12-INCHES APART.
6. REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE STONE CHECK DAM. WOVEN PLASTIC FILTER FABRIC SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED.
7. PROVIDE PERMANENT CHANNEL PROTECTION AS SHOWN AND/OR NOTED IN THE PLANS AFTER STONE CHECK DAM IS REMOVED.

SAND BAG CHECK DAM GENERAL NOTES:

1. SAND BAG CHECK DAMS ARE ONLY USED FOR TEMPORARY VELOCITY CONTROL IN CONCRETE LINED DITCHES AND SHALL NOT BE INSTALLED IN THE CLEAR ZONE OF UNPROTECTED ACTIVE TRAFFIC.
2. APPROPRIATE CONVENTIONAL OR APPROVED ALTERNATIVE BMPs SHALL BE PROVIDED UPSTREAM AND/OR DOWNSTREAM OF CONCRETE DITCHES.
3. THE CENTER OF THE SAND BAG CHECK DAM SHALL BE AT LEAST 6-INCHES LOWER THAN THE OUTER EDGES OF THE SAND BAG CHECK DAM AT THE GROUND LINE. THE HEIGHT AT THE CENTER OF THE SAND BAG CHECK DAM SHALL BE A MINIMUM OF 12-INCHES AND A MAXIMUM OF 18-INCHES.
4. INSTALL SAND BAGS TIGHTLY ABUTTING EACH OTHER AND STACK IN A RUNNING BOND PATTERN. FOLD ANY FLAPS AWAY FROM WATER FLOW.
5. IF ADDITIONAL SAND BAGS ARE WARRANTED FOR STABILITY, INSTALL AS SHOWN AND DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST.
6. SAND BAG SIZES MAY VARY. ASSUME A FILLED SAND BAG HAS APPROXIMATE DIMENSIONS OF 12"W×6"H×18"L.
7. REMOVE SEDIMENT WHEN IT REACHES ONE-HALF THE HEIGHT OF THE SAND BAG CHECK DAM. SAND BAGS SHALL BE REPLACED WHEN DAMAGED OR DETERIORATED AT NO ADDITIONAL COST TO THE DEPARTMENT.

NOTE:
SEE STANDARD SPECIFICATION 163, AND SUPPLEMENTS THERETO FOR THE CONSTRUCTION AND REMOVAL OF STONE CHECK DAMS AND SAND BAG CHECK DAMS. SEE STANDARD SPECIFICATION165, AND SUPPLEMENTS THERETO FOR THE MAINTENANCE OF STONE CHECK DAMS AND SAND BAG CHECK DAMS.

PAY ITEMS:
163-0527 CONSTRUCT AND REMOVE RIPRAP CHECK DAMS, STONE PLAIN RIPRAP/SAND BAGS (EA)
165-0041 MAINTENANCE OF CHECK DAMS - ALL TYPES (LF)

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

# CONSTRUCTION DETAILS

## STONE RIPRAP & SAND BAG TEMPORARY CHECK DAMS

NO SCALE

11-28-2018

| DATE | REVISION | BY |
|---|---|---|
| | | |

DESIGNED DLE
DRAWN DLE
TRACED
CHECKED

NUMBER
D-56

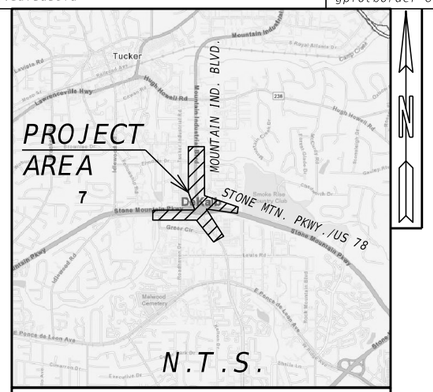
# DEPARTMENT OF TRANSPORTATION
# STATE OF GEORGIA

## RIGHT OF WAY OF PROPOSED
## US 78/SR 410 AT CR 9476/MOUNTAIN INDUSTRIAL BLVD
## INTERSECTION IMPROVEMENT

## DEKALB
## COUNTY
FEDERAL AID PROJECT

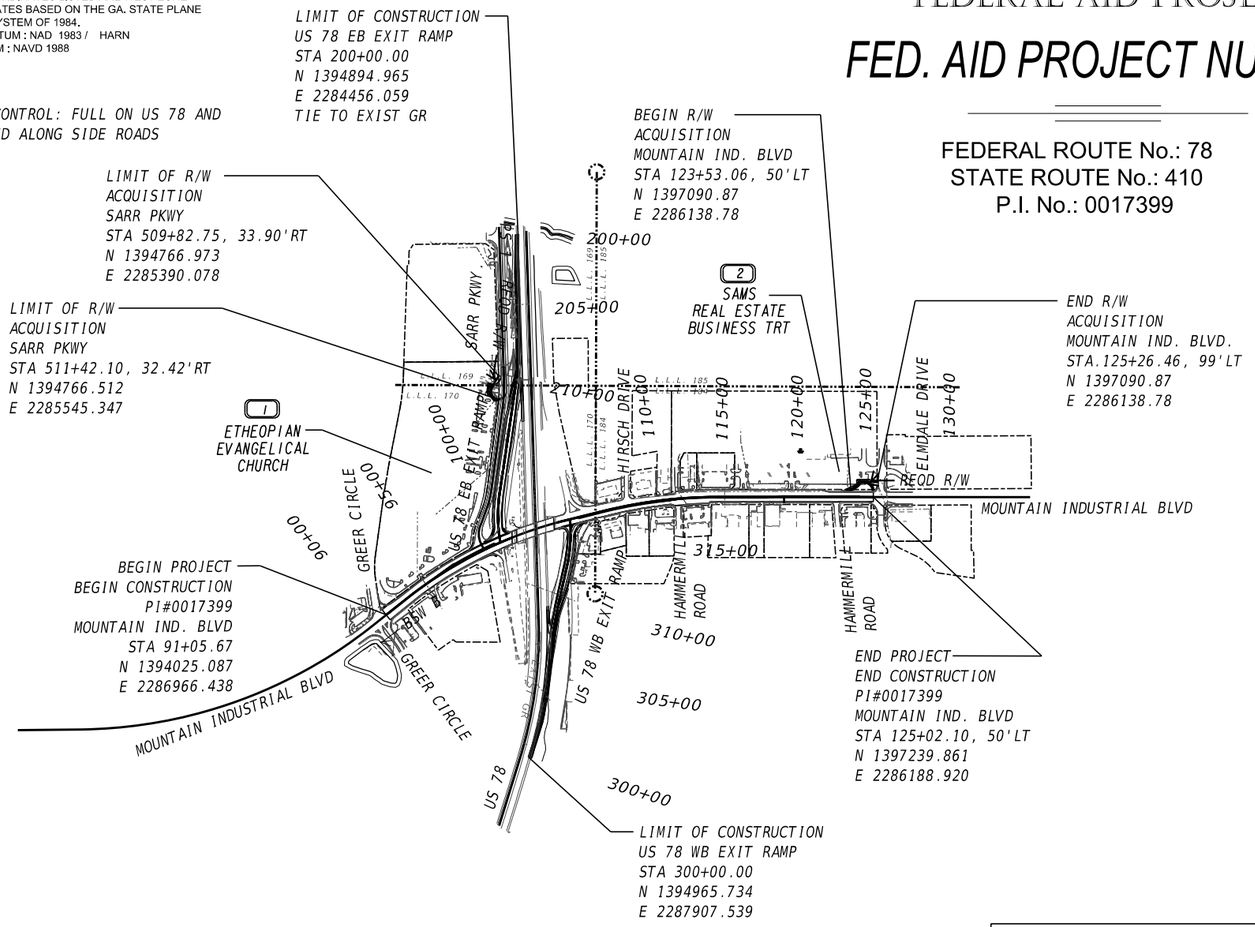
## FED. AID PROJECT NUMBER

FEDERAL ROUTE No.: 78
STATE ROUTE No.: 410
P.I. No.: 0017399




LOCATION SKETCH

NOTE: THE CO-ORDINATES LISTED ARE WEST ZONE GRID CO-ORDINATES BASED ON THE GA. STATE PLANE CO-ORDINATE SYSTEM OF 1984.
HORIZONTAL DATUM : NAD 1983 / HARN
VERTICAL DATUM : NAVD 1988




SCALE IN FEET
0 500 1000 2000

| LENGTH OF RIGHT OF WAY PROJECT | COUNTY NO. 089 |
|---|---|
| | MILES |
| NET LENGTH OF RIGHT OF WAY | 0.033 |
| NET LENGTH OF BRIDGES | 0.0 |
| NET LENGTH OF EXCEPTIONS | 0.0 |
| GROSS LENGTH OF RIGHT OF WAY | 0.033 |

THIS PROJECT IS LOCATED 100% IN DEKALB COUNTY AND CONGRESSIONAL DISTRICT 4.
LAND LOT 169, 170, & 184, 18TH LAND DISTRICT, GMD 572

0017399: 21026
DEKALB COUNTY

## CONVENTIONAL SIGNS

| | |
|---|---|
| LAND LOT LINE | |
| PROPERTY LINE | |
| RIGHT OF WAY LINE — EXISTING | |
| RIGHT OF WAY LINE — REQUIRED | |
| RIGHT OF WAY LINE — EXISTING LIMIT OF ACCESS | |
| RIGHT OF WAY LINE — REQD LIMIT OF ACCESS | |
| RIGHT OF WAY LINE — EXISTING LIMIT OF ACCESS & R/W | |
| RIGHT OF WAY LINE — REQD LIMIT OF ACCESS & R/W | |
| RIGHT OF WAY LINE — R/W MARKERS | |
| FENCE | |

ATLAS
2450 Commerce Avenue
Suite 100
Duluth, Georgia 30096
770.263.5945

PLANS PREPARED BY
PATRICK CASTRO

UNDER THE SUPERVISION OF
B. MARK HANSON
OFFICE OF HIGHWAY DESIGN

ACCEPTED: Kevin D York 3/12/2025
KEVIN YORK STATE RIGHT OF WAY ADMINISTRATOR DATE

LOCATION_AND_DESIGN_APPROVAL_DATE: 3-6-2025

PLANS_COMPLETED_DATE: 01-19-2024

REVISIONS:

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DRAWING No.
60-0001

| 7/29/2025 | GPLOT-ORD | 0017399_60-02.dgn | | P.I. No. |
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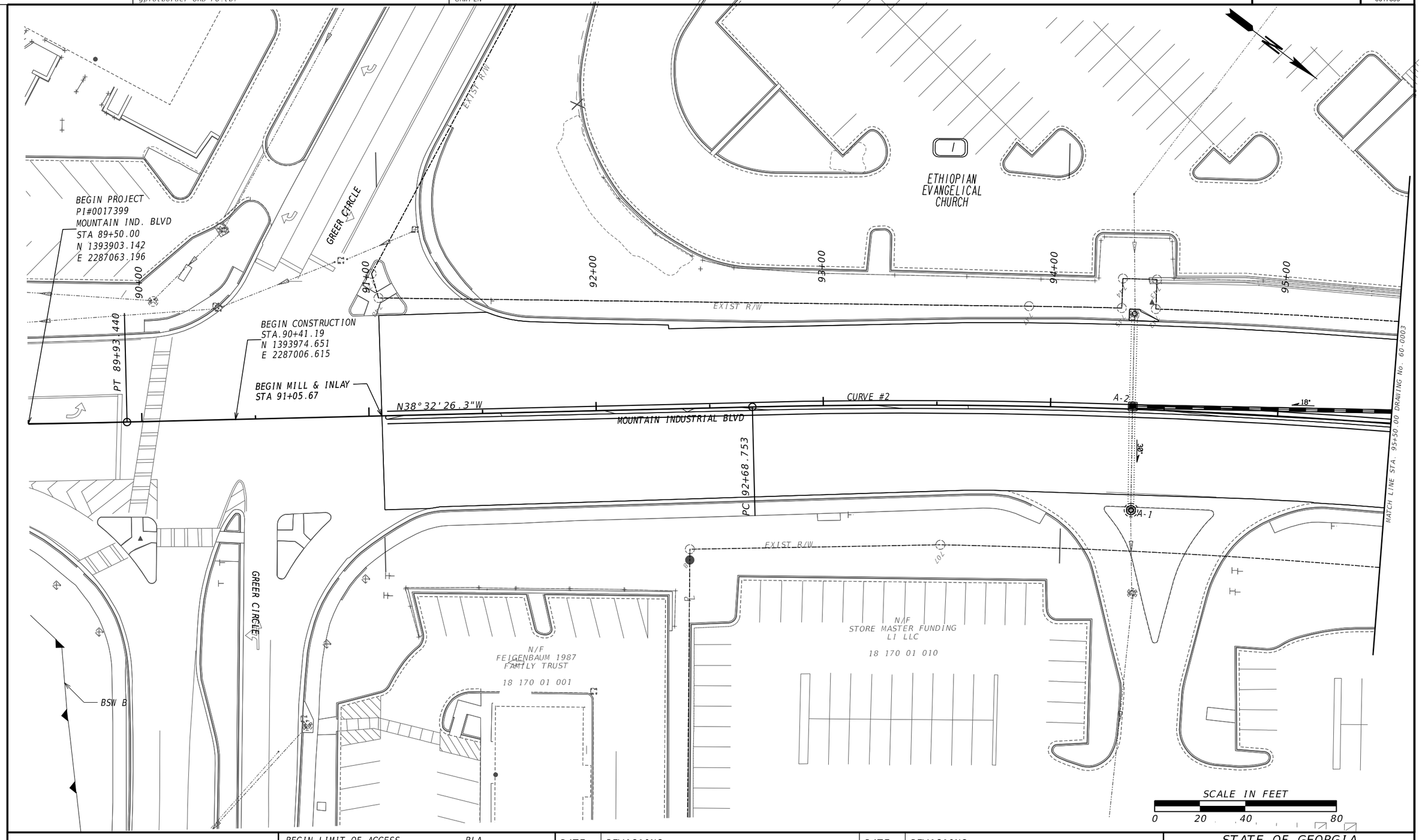
| Zhuo.Chen | gplotborder-ORD-PO_tbl | GRWPLN | | 0017399 |




| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS.....BLA | |
| END LIMIT OF ACCESS.....ELA | |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

| DATE | REVISIONS | DATE | REVISIONS |
|---|---|---|---|
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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKALB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 2 OF 17

DRAWING No.
60-0002

GRWPLN-CE
11/05/2020

| 7/29/2025 | GPLOT-ORD | 0017399_60-02.dgn | | P.I. No. |
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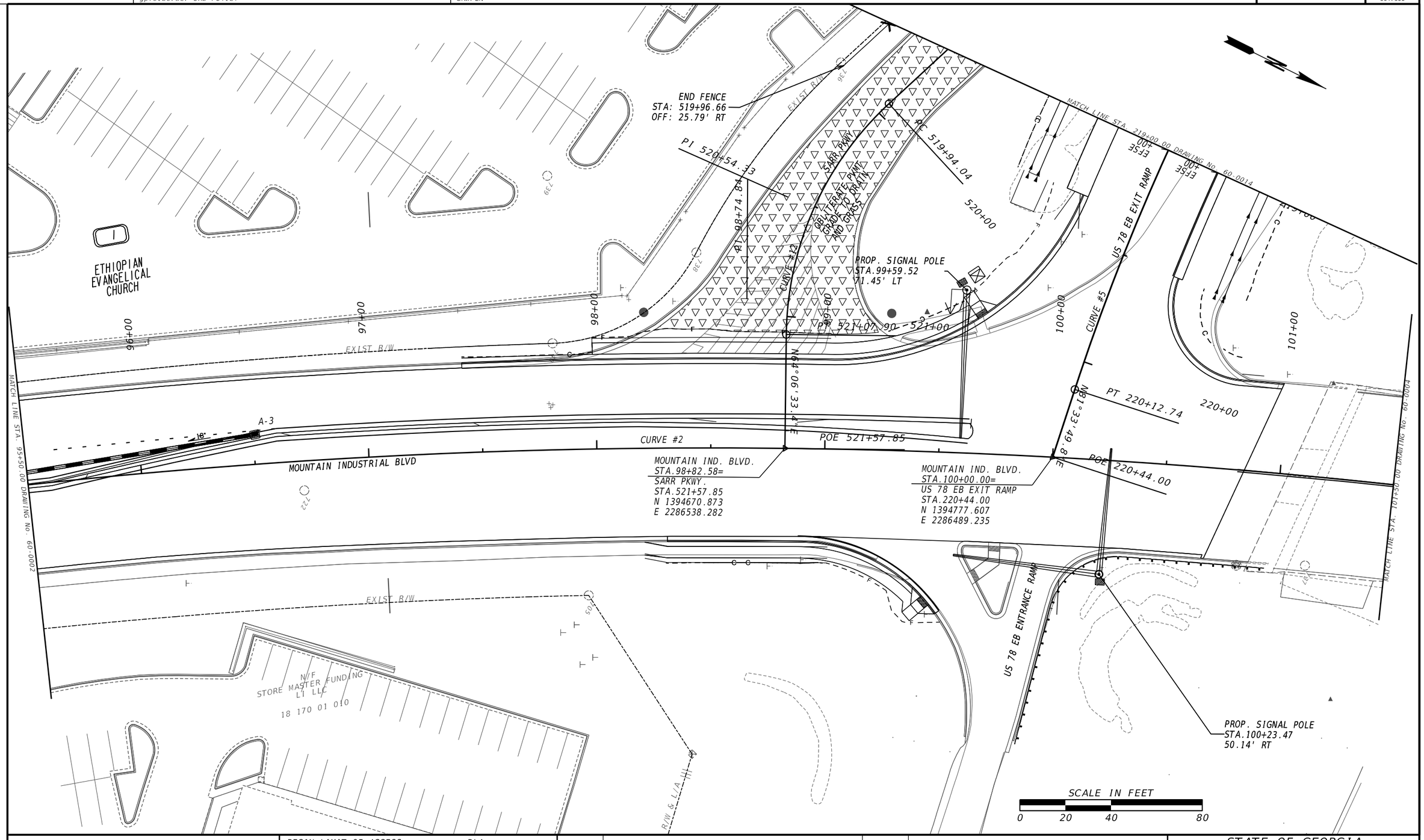


| | |
|---|---|
| PROPERTY AND EXISTING R/W LINE | ——P—— |
| REQUIRED R/W LINE | ——— |
| CONSTRUCTION LIMITS | —C—F— |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS.....BLA | |
| END LIMIT OF ACCESS.....ELA | |
| EXISTING LIMIT OF ACCESS | ——ooo—— |
| REQ'D LIMIT OF ACCESS | ——ooo—— |
| EXISTING LIMIT OF ACCESS & R/W | ------\|\|------ |
| REQ'D LIMIT OF ACCESS & R/W | ——\|\|—— |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

| DATE | REVISIONS | DATE | REVISIONS |
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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKALB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 3 OF 17

DRAWING No.
60-0003

GRWPLN-CE
11/05/2020

| 7/29/2025 | GPLOT-ORD | 0017399_60-02.dgn | | P.I. No. |
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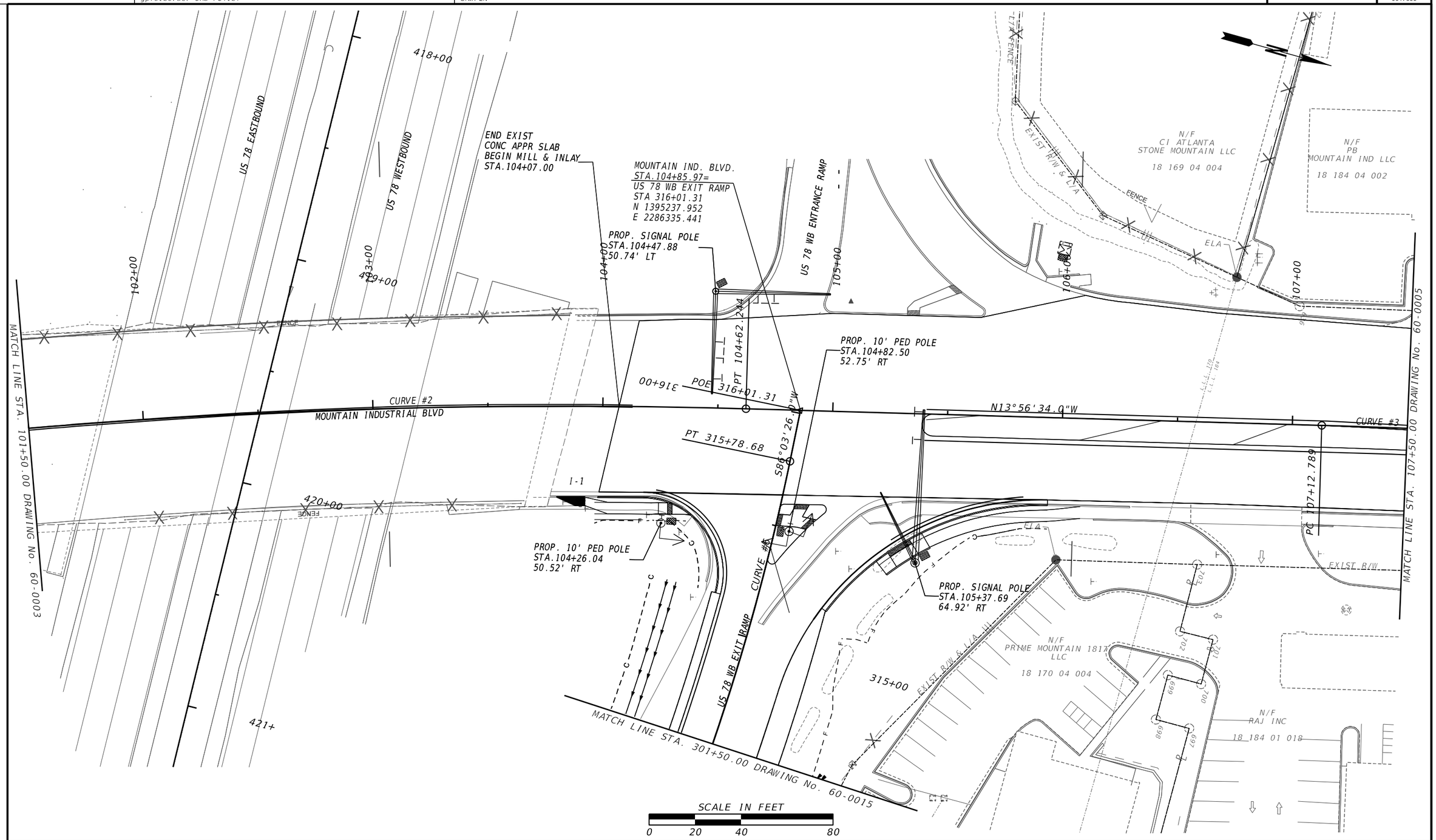


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

| DATE | REVISIONS | DATE | REVISIONS |
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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKLAB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 4 OF 17

DRAWING No.
60-0004

GRWPLN-CE
11/05/2020

| 7/29/2025 | GPLOT-ORD | 0017399_60-02.dgn | | P.I. No. |
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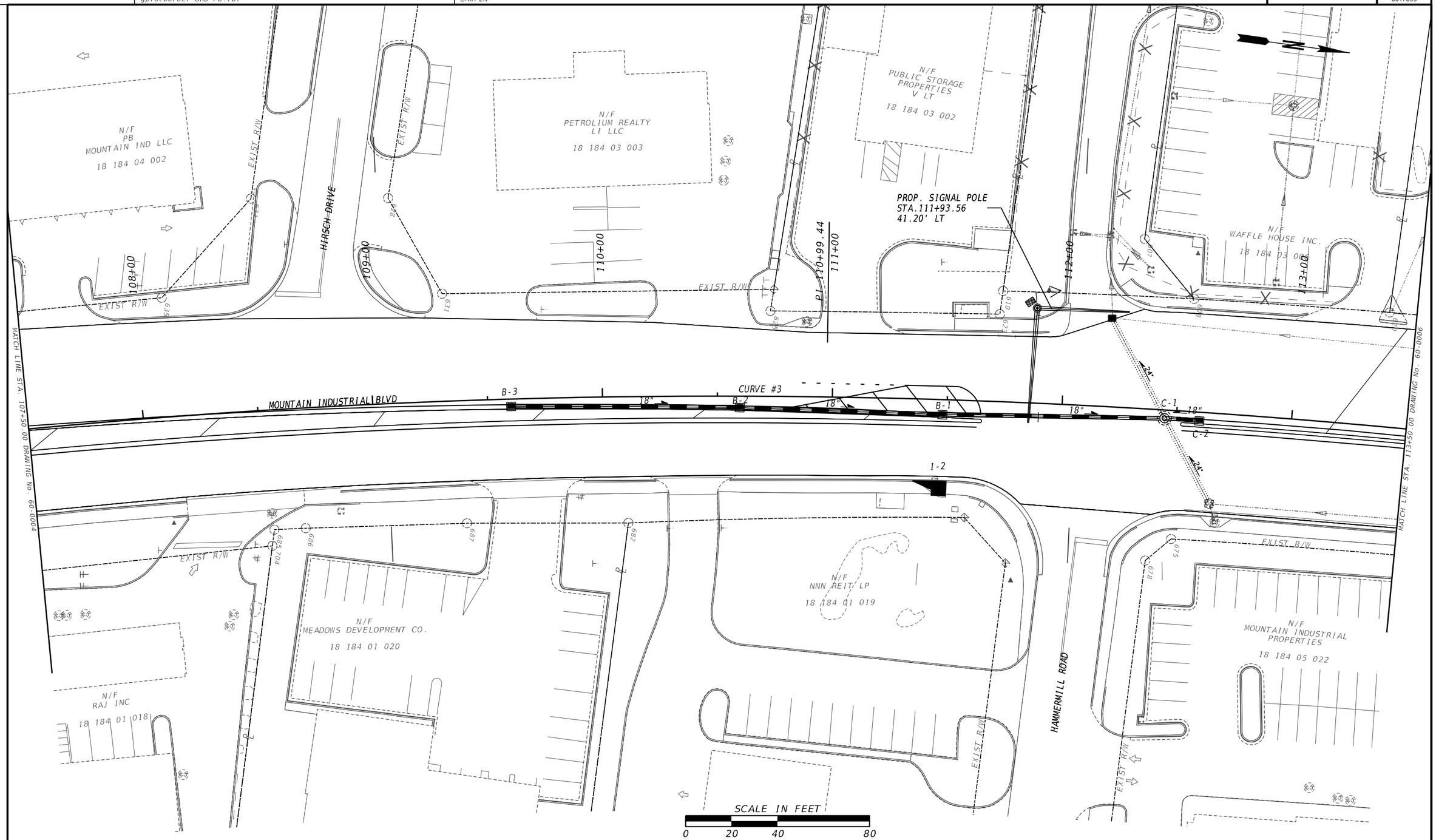


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|---|---|---|---|
| PROPERTY AND EXISTING R/W LINE | ——P—— | BEGIN LIMIT OF ACCESS.....BLA | |
| REQUIRED R/W LINE | ——— | END LIMIT OF ACCESS.....ELA | |
| CONSTRUCTION LIMITS | —C—F— | EXISTING LIMIT OF ACCESS | —— ∞∞ —— |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | ▨ | REQ'D LIMIT OF ACCESS | ——— ∞∞ ——— |
| EASEMENT FOR CONSTR OF SLOPES | ▨ | EXISTING LIMIT OF ACCESS & R/W | ------ HH ------ |
| EASEMENT FOR CONSTR OF DRIVES | ▨ | REQ'D LIMIT OF ACCESS & R/W | ——HH—— |
| | | ORANGE BARRIER FENCE | ●——●——● |
| | | ESA - ENV. SENSITIVE AREA | ▼——▼——▼ |

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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKLAB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 5 OF 17

DRAWING No.
60-0005

GRWPLN-CE
11/05/2020

| 7/29/2025 | GPLOT-ORD | 0017399_60-02.dgn | | P.I. No. |
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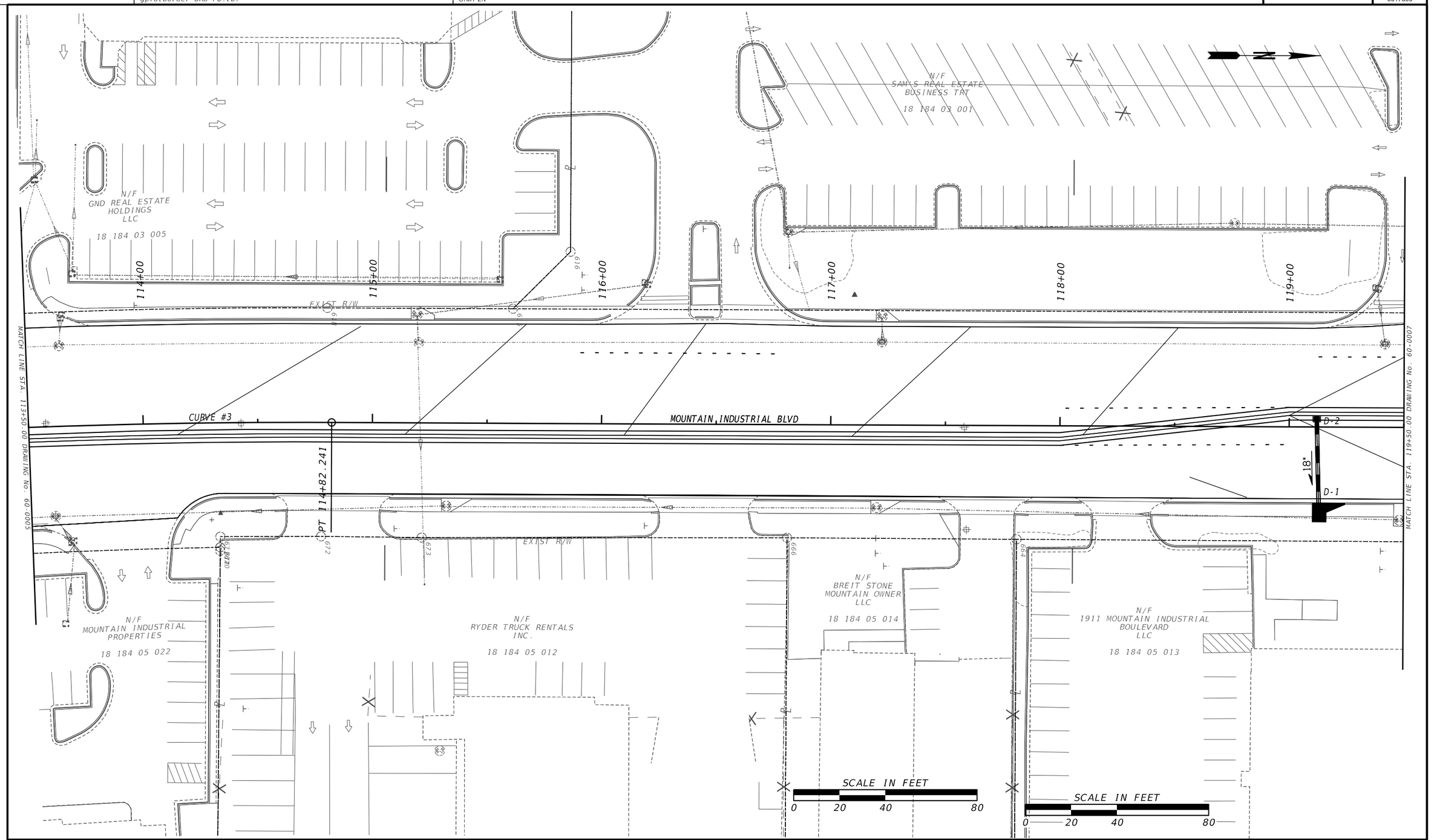


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

| DATE | REVISIONS | DATE | REVISIONS |
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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKALB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 6 OF 17

DRAWING No.
60-0006

GRWPLN-CE
11/05/2020

| 7/29/2025 | GPLOT-ORD | 0017399_60-02.dgn | | P.I. No. |
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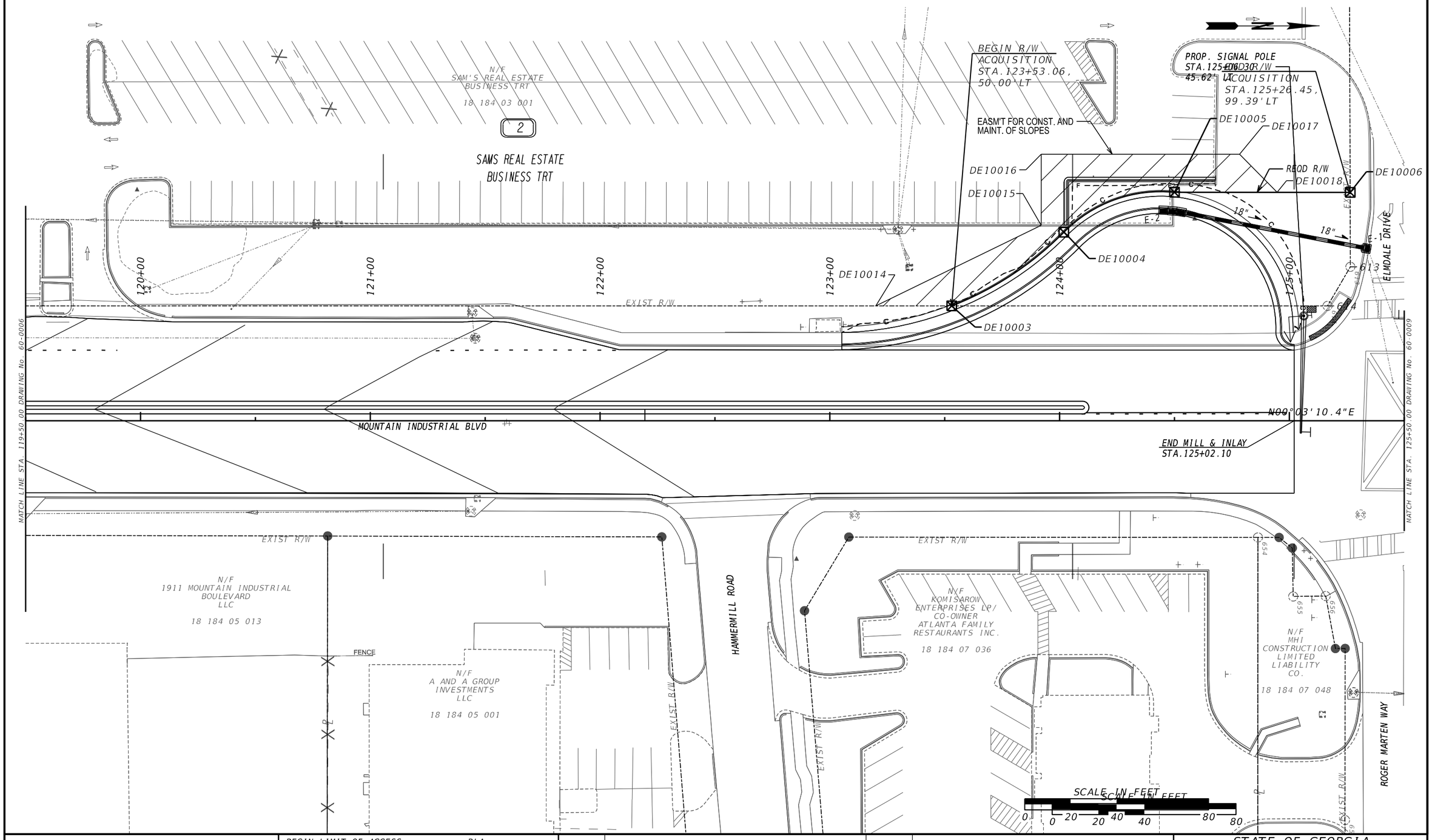


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| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

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|---|---|
| BEGIN LIMIT OF ACCESS | BLA |
| END LIMIT OF ACCESS | ELA |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

| DATE | REVISIONS | DATE | REVISIONS |
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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKALB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 7 OF 17

DRAWING No.
60-0007

GRWPLN-CE
11/05/2020

**********
PARCEL 2
N/F SAMS REAL ESTATE BUSINESS TRT
REQ'D R/W
**********

| PNT | OFFSET/ DIST | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|
| DE10003 | 50.000 L | 123+53.064 | Mountain Industrial BLVD |
| ARC LENGTH = 58.79 | | | |
| CHORD BEAR = N33.289°W | | | |
| LNTH CHORD = 58.37 | | | |
| RADIUS = 140.50 | | | |
| DEGREE = 40.780° | | | |
| DE10004 | 82.080 L | 124+01.822 | Mountain Industrial BLVD |
| ARC LENGTH = 52.95 | | | |
| CHORD BEAR = N19.785°W | | | |
| LNTH CHORD = 51.22 | | | |
| RADIUS = 59.50 | | | |
| DEGREE = 96.295° | | | |
| DE10005 | 99.460 L | 124+50.000 | Mountain Industrial BLVD |
| | 76.459 | N0.106°E | |
| DE10006 | 99.390 L | 125+26.459 | Mountain Industrial BLVD |
| | 32.387 | N89.871°E | |
| 613 | 67.003 L | 125+26.562 | Mountain Industrial BLVD |
| | 19.700 | S59.616°E | |
| 614 | 50.000 L | 125+16.613 | Mountain Industrial BLVD |
| | 163.549 | S0.053°W | |
| DE10003 | 50.000 L | 123+53.064 | Mountain Industrial BLVD |
| REQD R/W | = 6524.453 SF | | |
| REQD R/W | = 0.150 ACRES | | |
| REMAINDER | = +/- 21.11 ACRES | | |

**********
PARCEL 2
N/F SAMS REAL ESTATE BUSINESS TRT
EASM'T. FOR CONST. AND MAINT. OF A TRUCK TURNAROUND
**********

| PNT | OFFSET/ DIST | STATION/ BEARING | ALIGNMENT |
|---|---|---|---|
| DE10014 | 50.000 L | 123+19.999 | Mountain Industrial BLVD |
| | 80.079 | N25.904°W | |
| DE10015 | 85.050 L | 123+92.000 | Mountain Industrial BLVD |
| | 30.950 | N89.947°W | |
| DE10016 | 116.000 L | 123+92.000 | Mountain Industrial BLVD |
| | 86.313 | N0.053°E | |
| DE10017 | 116.000 L | 124+78.313 | Mountain Industrial BLVD |
| | 23.270 | N45.493°E | |
| DE10018 | 99.419 L | 124+94.640 | Mountain Industrial BLVD |
| | 44.640 | S0.106°W | |
| DE10005 | 99.460 L | 124+50.000 | Mountain Industrial BLVD |
| ARC LENGTH = 52.95 | | | |
| CHORD BEAR = S19.785°E | | | |
| LNTH CHORD = 51.22 | | | |
| RADIUS = 59.50 | | | |
| DEGREE = 96.295° | | | |
| DE10004 | 82.080 L | 124+01.822 | Mountain Industrial BLVD |
| ARC LENGTH = 58.79 | | | |
| CHORD BEAR = S33.289°E | | | |
| LNTH CHORD = 58.37 | | | |
| RADIUS = 140.50 | | | |
| DEGREE = 40.780° | | | |
| DE10003 | 50.000 L | 123+53.064 | Mountain Industrial BLVD |
| | 33.065 | S0.053°W | |
| DE10014 | 50.000 L | 123+19.999 | Mountain Industrial BLVD |
| REQD EASMT | = 2867.106 SF | | |
| REQD EASMT | = 0.066 ACRES | | |

SCALE IN FEET
0 20 40 80

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

| DATE | REVISIONS | DATE | REVISIONS |
|---|---|---|---|
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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP
PROJECT NO. 0017399
COUNTY: DEKALB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 8 OF 17
DRAWING No. 60-0008

GRWPLN-CE
11/05/2020

| 8/1/2025 | GPLOT-ORD | 0017399_60-02.dgn | | P.I. No. |
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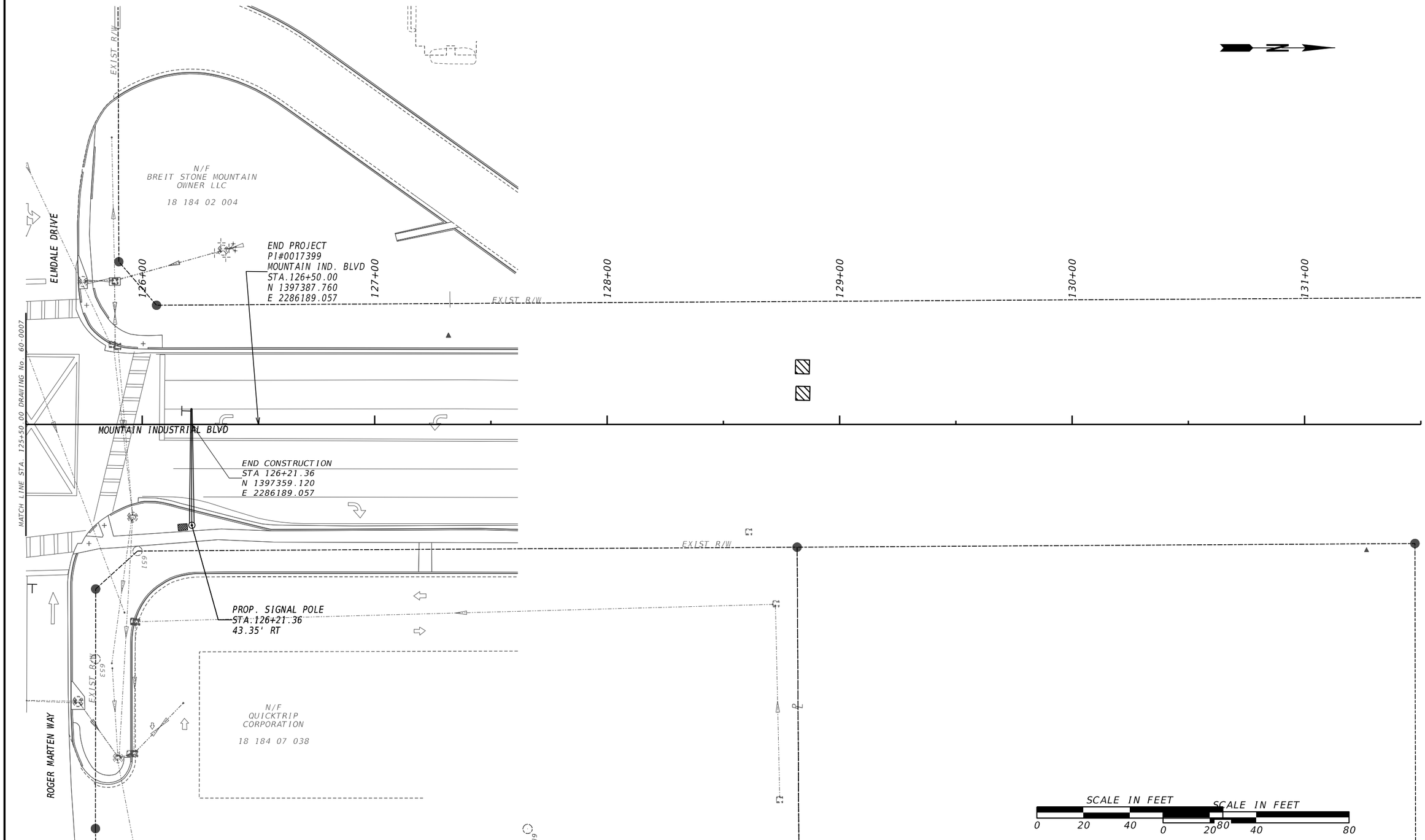


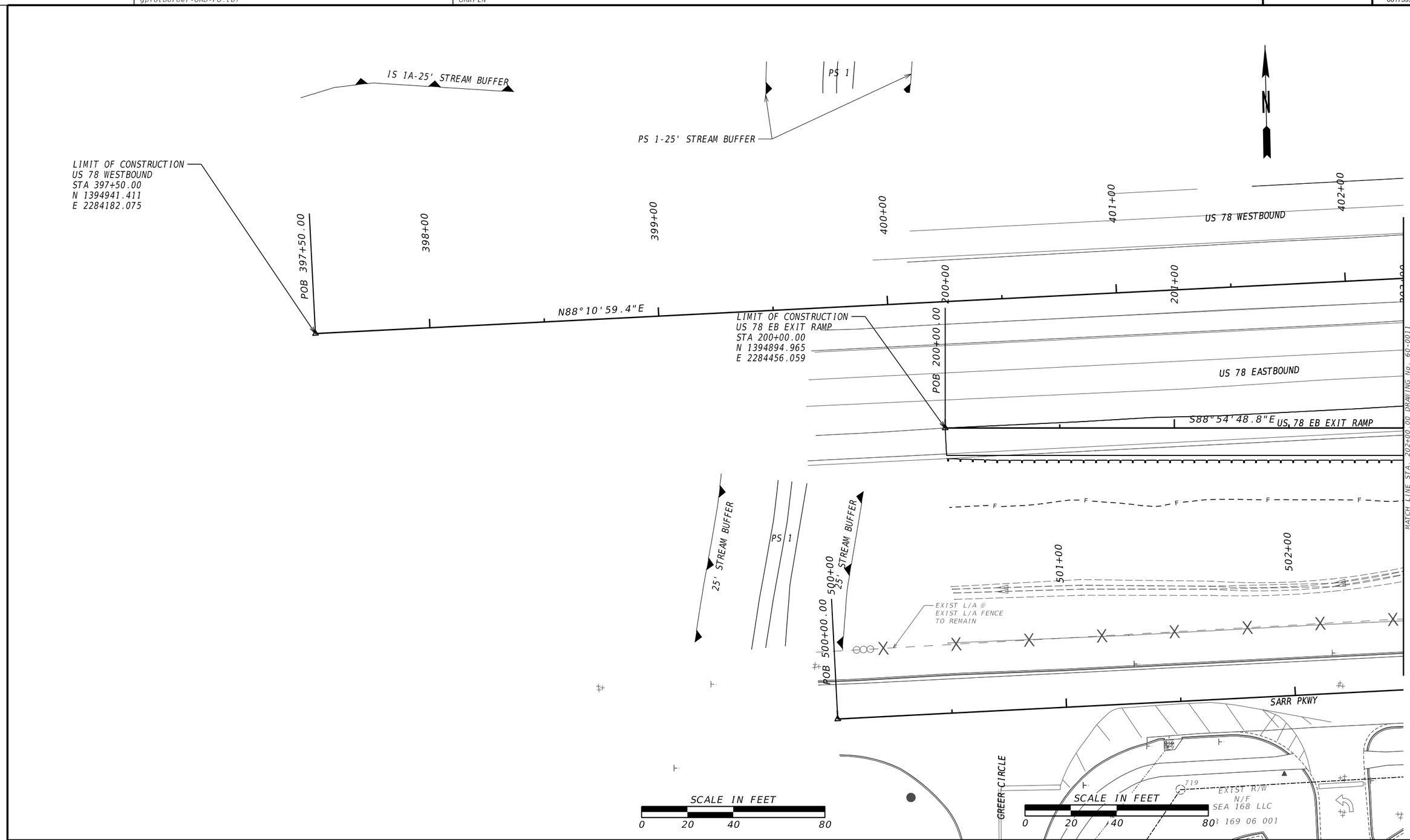

| | | | | | |
|---|---|---|---|---|---|
| PROPERTY AND EXISTING R/W LINE | P | BEGIN LIMIT OF ACCESS.....BLA | DATE | REVISIONS | DATE | REVISIONS |
| REQUIRED R/W LINE | | END LIMIT OF ACCESS.....ELA | | | | |
| CONSTRUCTION LIMITS | C F | EXISTING LIMIT OF ACCESS | | | | |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | | REQ'D LIMIT OF ACCESS | | | | |
| EASEMENT FOR CONSTR OF SLOPES | | EXISTING LIMIT OF ACCESS & R/W | | | | |
| EASEMENT FOR CONSTR OF DRIVES | | REQ'D LIMIT OF ACCESS & R/W | | | | |
| | | ORANGE BARRIER FENCE | | | | |
| | | ESA - ENV. SENSITIVE AREA | | | | |

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKALB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 9 OF 17

DRAWING No.
60-0009

GRWPLN:CE
11/05/2020

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|---|---|
| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS.....BLA | |
| END LIMIT OF ACCESS.....ELA | |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

| DATE | REVISIONS | DATE | REVISIONS |
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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKALB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 10 OF 17

DRAWING No.
60-0010

GRWPLN-CE
11/05/2020

| 7/29/2025 | GPLOT-ORD | 0017399_60-02.dgn | | P.I. No. |
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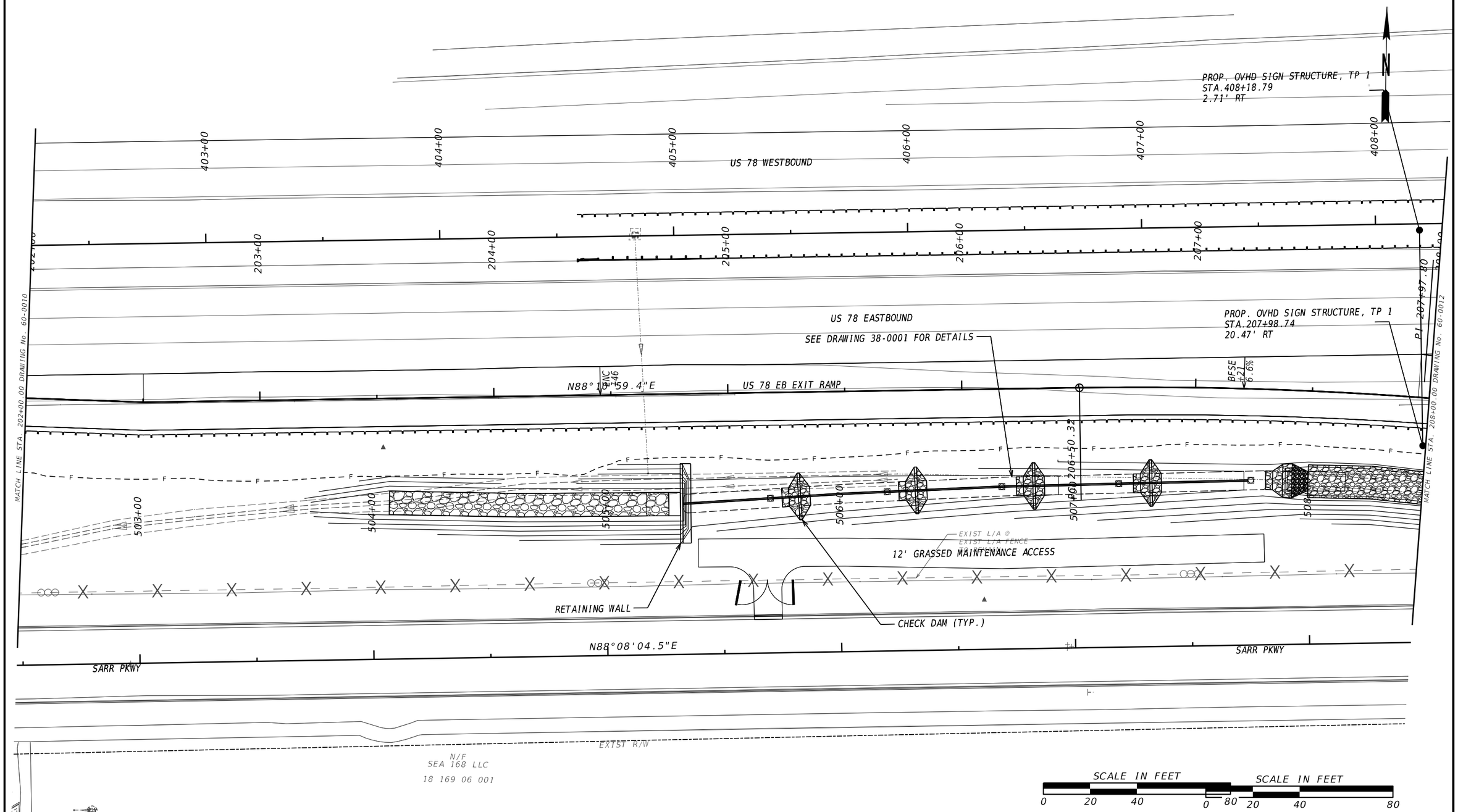


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|---|---|
| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS.....BLA | |
| END LIMIT OF ACCESS.....ELA | |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

| DATE | REVISIONS | DATE | REVISIONS |
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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKALB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 11 OF 17

DRAWING No.
60-0011

GRWPLN-CE
11/05/2020

| 7/29/2025 | GPLOT-ORD | 0017399_60-02.dgn | | P.I. No. |
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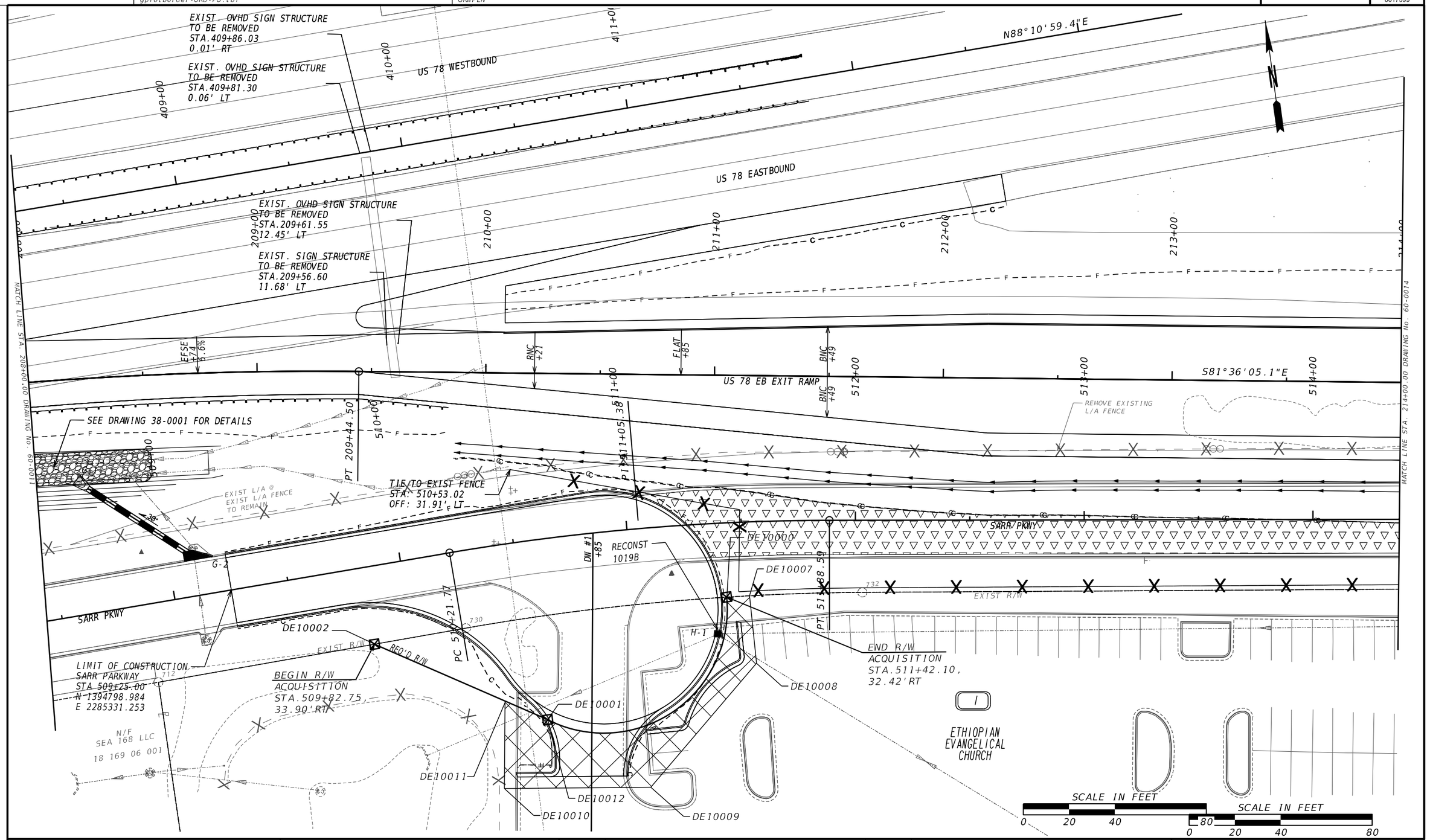
| Zhuo.Chen | gplotborder-ORD-PO_tbl | GRWPLN | | 0017399 |

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| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

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| BEGIN LIMIT OF ACCESS.....BLA | |
| END LIMIT OF ACCESS.....ELA | |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

| DATE | REVISIONS | DATE | REVISIONS |
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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKALB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 12 OF 17

DRAWING No.
60-0012

GRWPLN-CE
11/05/2020

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*************************************************************
PARCEL 1
N/F ETHIOPIAN EVANGELICAL CHURCH
REQ'D R/W
*************************************************************
  PNT       OFFSET/        STATION/         ALIGNMENT
              DIST          BEARING
-------------------------------------------------------------
 DE10000    32.427  R    511+42.107         MAIN_P_EOP_SARR PKWY
ARC LENGTH = 115.71
CHORD BEAR = S63.385°W
LNTH CHORD = 94.81
    RADIUS = 54.00
    DEGREE = 106.103°
 DE10001    78.625  R    510+54.394         MAIN_P_EOP_SARR PKWY
            82.550            N58.661°W
 DE10002    33.908  R    509+82.752         MAIN_P_EOP_SARR PKWY
            40.562            N87.820°E
     730    33.684  R    510+23.368         MAIN_P_EOP_SARR PKWY
ARC LENGTH = 114.81
CHORD BEAR = S88.999°E
LNTH CHORD = 114.75
    RADIUS = 1035.88
    DEGREE = 5.531°
 DE10000    32.427  R    511+42.107         MAIN_P_EOP_SARR PKWY
  REQD R/W  =  5465.915   SF
  REQD R/W  =  0.125    ACRES
REMAINDER   =  +/- 18.12    ACRES


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PARCEL 1
N/F ETHIOPIAN EVANGELICAL CHURCH
REQ'D DRWY. EASM'T.
*************************************************************
  PNT       OFFSET/        STATION/         ALIGNMENT
              DIST          BEARING
-------------------------------------------------------------
 DE10007    32.274  R    511+52.481         MAIN_P_EOP_SARR PKWY
            29.649            S1.931°W
 DE10008    61.859  R    511+54.517         MAIN_P_EOP_SARR PKWY
            71.208            S48.252°W
 DE10009   113.043  R    511+00.239         MAIN_P_EOP_SARR PKWY
            63.998            N82.729°W
 DE10010   105.588  R    510+28.860         MAIN_P_EOP_SARR PKWY
            38.222            N8.229°E
 DE10011    67.889  R    510+35.761         MAIN_P_EOP_SARR PKWY
            20.333            S58.661°E
 DE10001    78.625  R    510+54.394         MAIN_P_EOP_SARR PKWY
ARC LENGTH = 115.71
CHORD BEAR = N63.385°E
LNTH CHORD = 94.81
    RADIUS = 54.00
    DEGREE = 106.103°
 DE10000    32.427  R    511+42.107         MAIN_P_EOP_SARR PKWY
            10.040            S85.546°E
 DE10007    32.274  R    511+52.481         MAIN_P_EOP_SARR PKWY
REQD EASMT  =  2948.416   SF
REQD EASMT  =  0.068    ACRES
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0 20 40 80

PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

| DATE | REVISIONS | DATE | REVISIONS |
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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKALB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 13 OF 17

DRAWING No.
60-0013

GRWPLN-CE
11/05/2020

| 7/29/2025 | GPLOT-ORD | 0017399_60-02.dgn | | P.I. No. |
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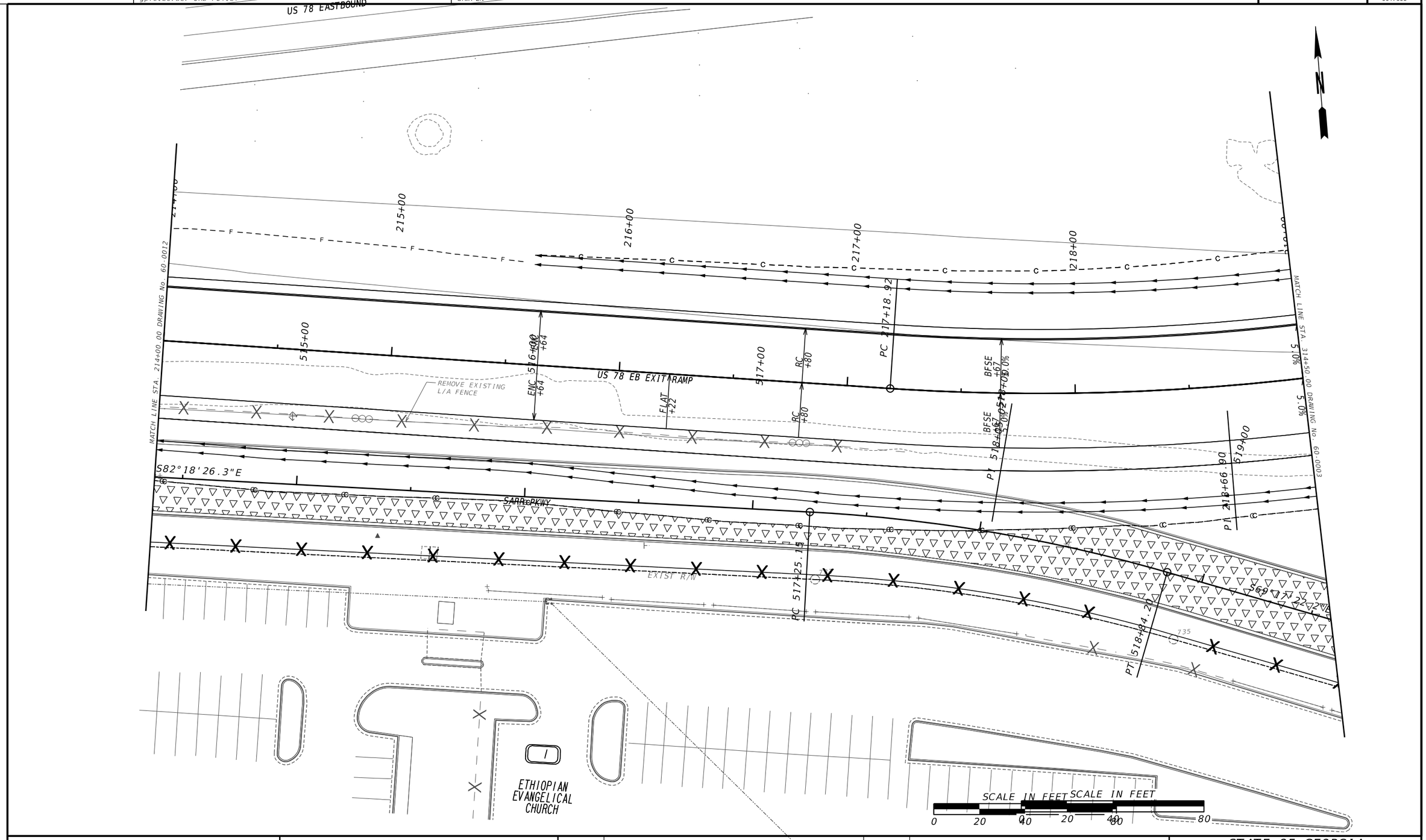


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| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

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|---|---|
| BEGIN LIMIT OF ACCESS.....BLA | |
| END LIMIT OF ACCESS.....ELA | |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

| DATE | REVISIONS | DATE | REVISIONS |
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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKALB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 14 OF 17

DRAWING No.
60-0014

GRWPLN-CE
11/05/2020

| 7/29/2025 | GPLOT-ORD | 0017399_60-02.dgn | | P.I. No. |
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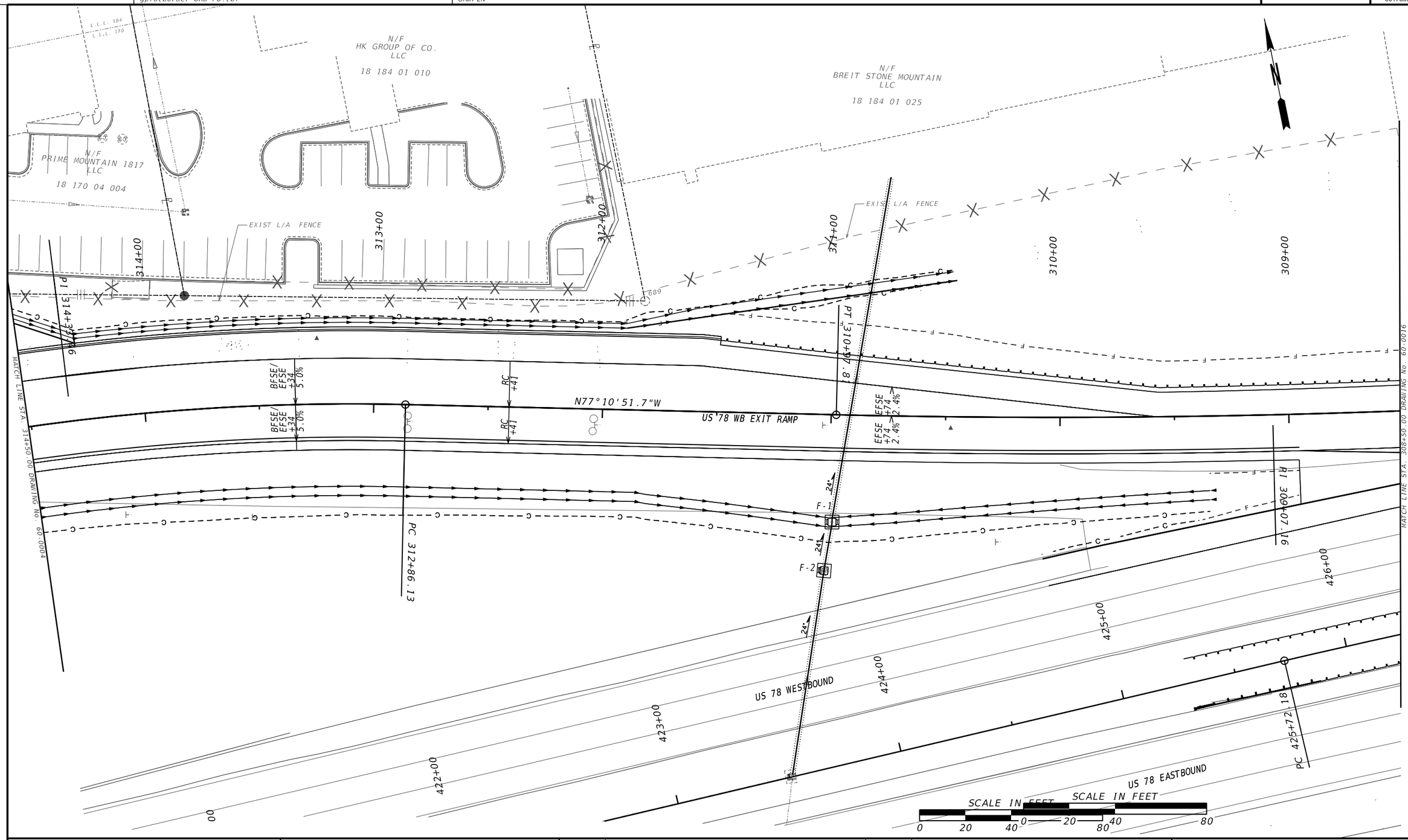


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|---|---|
| PROPERTY AND EXISTING R/W LINE | P |
| REQUIRED R/W LINE | |
| CONSTRUCTION LIMITS | C F |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

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|---|---|
| BEGIN LIMIT OF ACCESS | BLA |
| END LIMIT OF ACCESS | ELA |
| EXISTING LIMIT OF ACCESS | |
| REQ'D LIMIT OF ACCESS | |
| EXISTING LIMIT OF ACCESS & R/W | |
| REQ'D LIMIT OF ACCESS & R/W | |
| ORANGE BARRIER FENCE | |
| ESA - ENV. SENSITIVE AREA | |

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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKALB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 15 OF 17

DRAWING No.
60-0015

GRWPLN-CE
11/05/2020

| 7/29/2025 | GPLOT-ORD | 0017399_60-02.dgn | | P.I. No. |
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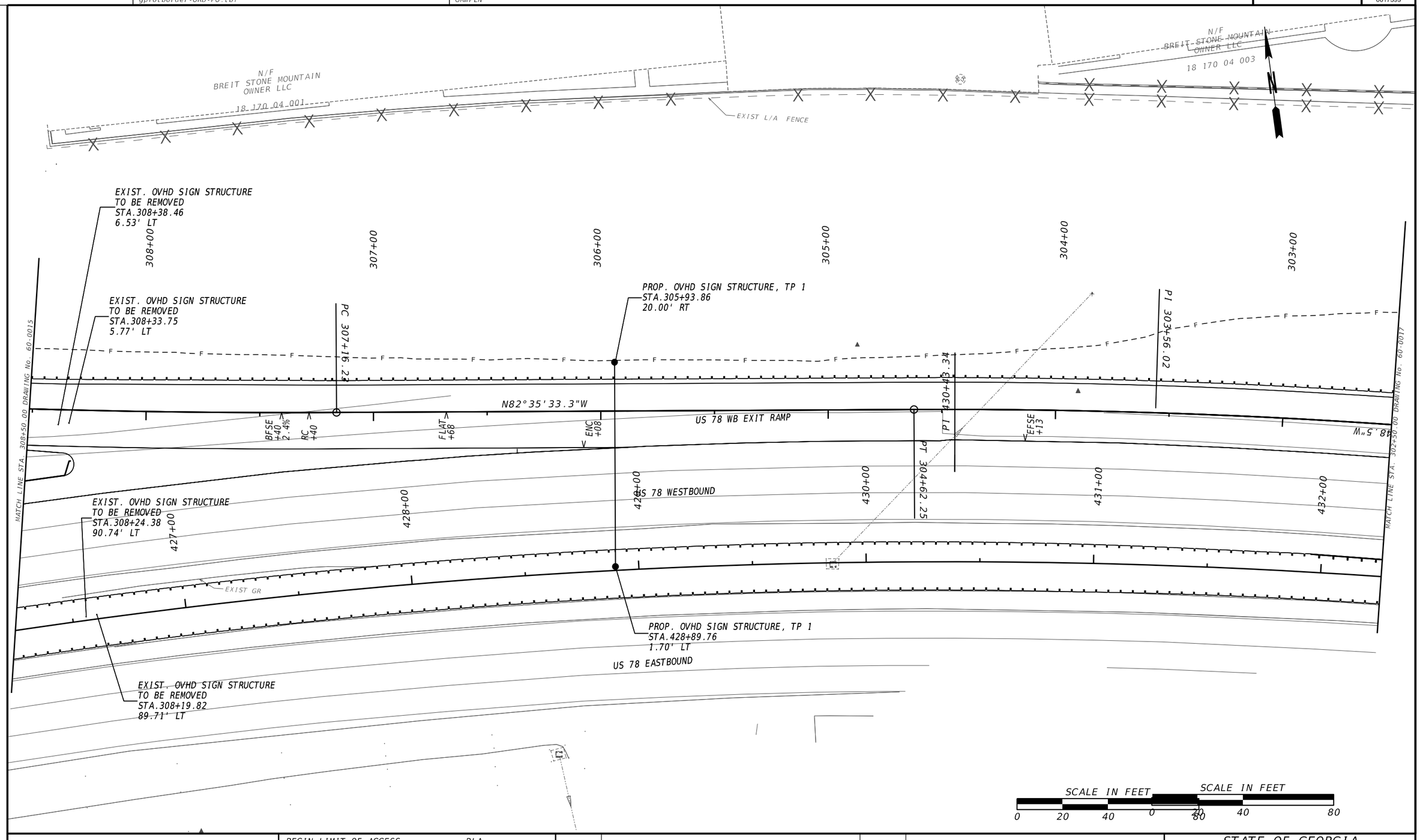


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| PROPERTY AND EXISTING R/W LINE | ----------℄---------- |
| REQUIRED R/W LINE | ———————— |
| CONSTRUCTION LIMITS | ——C——F—— |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | |
| EASEMENT FOR CONSTR OF SLOPES | |
| EASEMENT FOR CONSTR OF DRIVES | |

| | |
|---|---|
| BEGIN LIMIT OF ACCESS.....BLA | |
| END LIMIT OF ACCESS.....ELA | |
| EXISTING LIMIT OF ACCESS | ——— ∞∞ ——— |
| REQ'D LIMIT OF ACCESS | ——— ∞∞ ——— |
| EXISTING LIMIT OF ACCESS & R/W | ----------\|\|---------- |
| REQ'D LIMIT OF ACCESS & R/W | ———\|\|——— |
| ORANGE BARRIER FENCE | ●———●———● |
| ESA - ENV. SENSITIVE AREA | ▼———▼———▼ |

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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKALB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 16 OF 17

DRAWING No.
60-0016

GRWPLN-CE
11/05/2020

| 7/29/2025 | GPLOT-ORD | 0017399_60-02.dgn | | P.I. No. |
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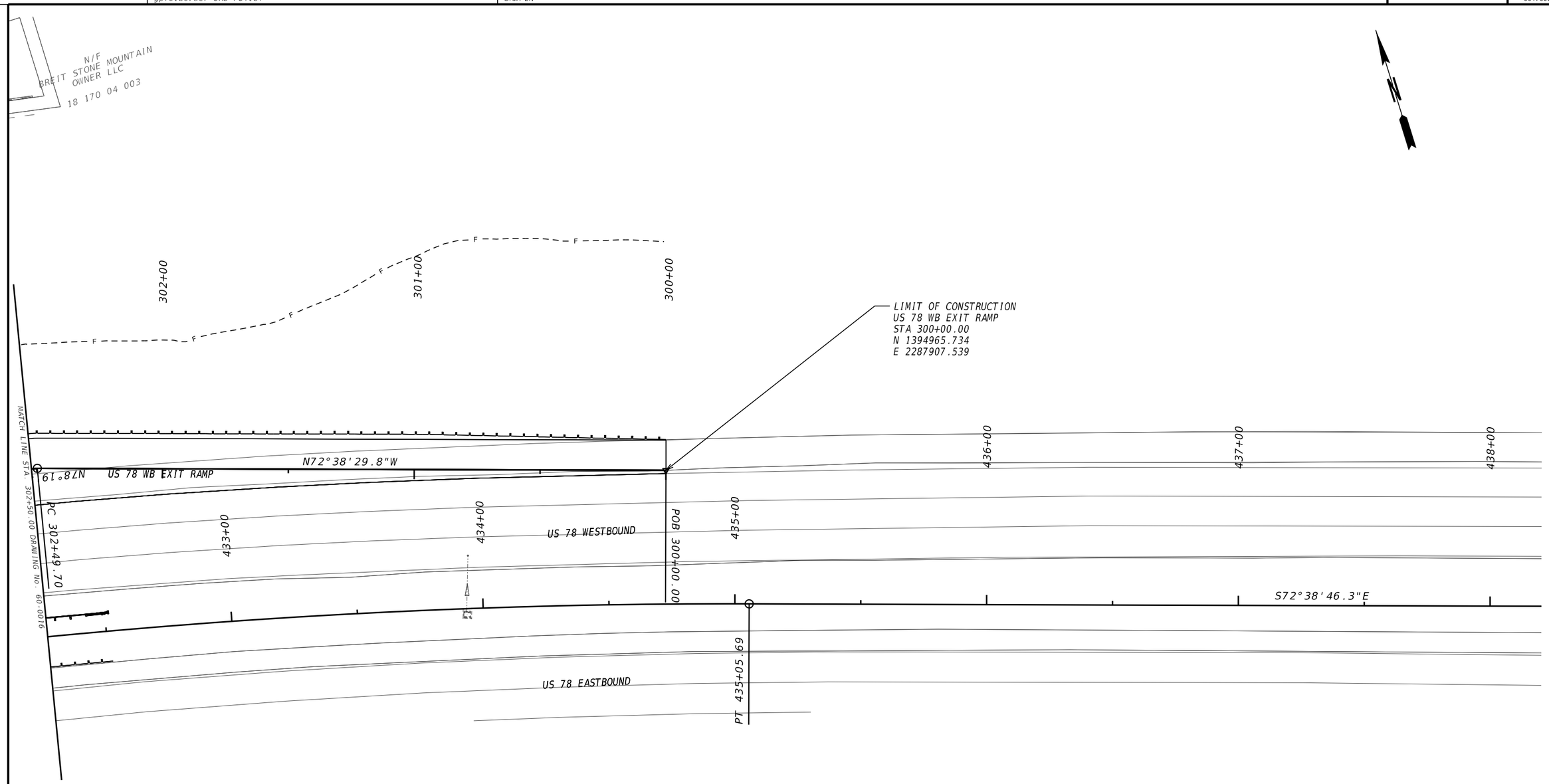


PROPERTY AND EXISTING R/W LINE
REQUIRED R/W LINE
CONSTRUCTION LIMITS
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES
EASEMENT FOR CONSTR OF SLOPES
EASEMENT FOR CONSTR OF DRIVES

BEGIN LIMIT OF ACCESS.....BLA
END LIMIT OF ACCESS.....ELA
EXISTING LIMIT OF ACCESS
REQ'D LIMIT OF ACCESS
EXISTING LIMIT OF ACCESS & R/W
REQ'D LIMIT OF ACCESS & R/W
ORANGE BARRIER FENCE
ESA - ENV. SENSITIVE AREA

| DATE | REVISIONS | DATE | REVISIONS |
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STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY MAP

PROJECT NO. 0017399
COUNTY: DEKALB
LAND LOT NO: 169,170,184
LAND DISTRICT: 18TH
GMD 572
DATE 01/19/2024 SH 17 OF 17

DRAWING No.
60-0017

GRWPLN-CE
11/05/2020