



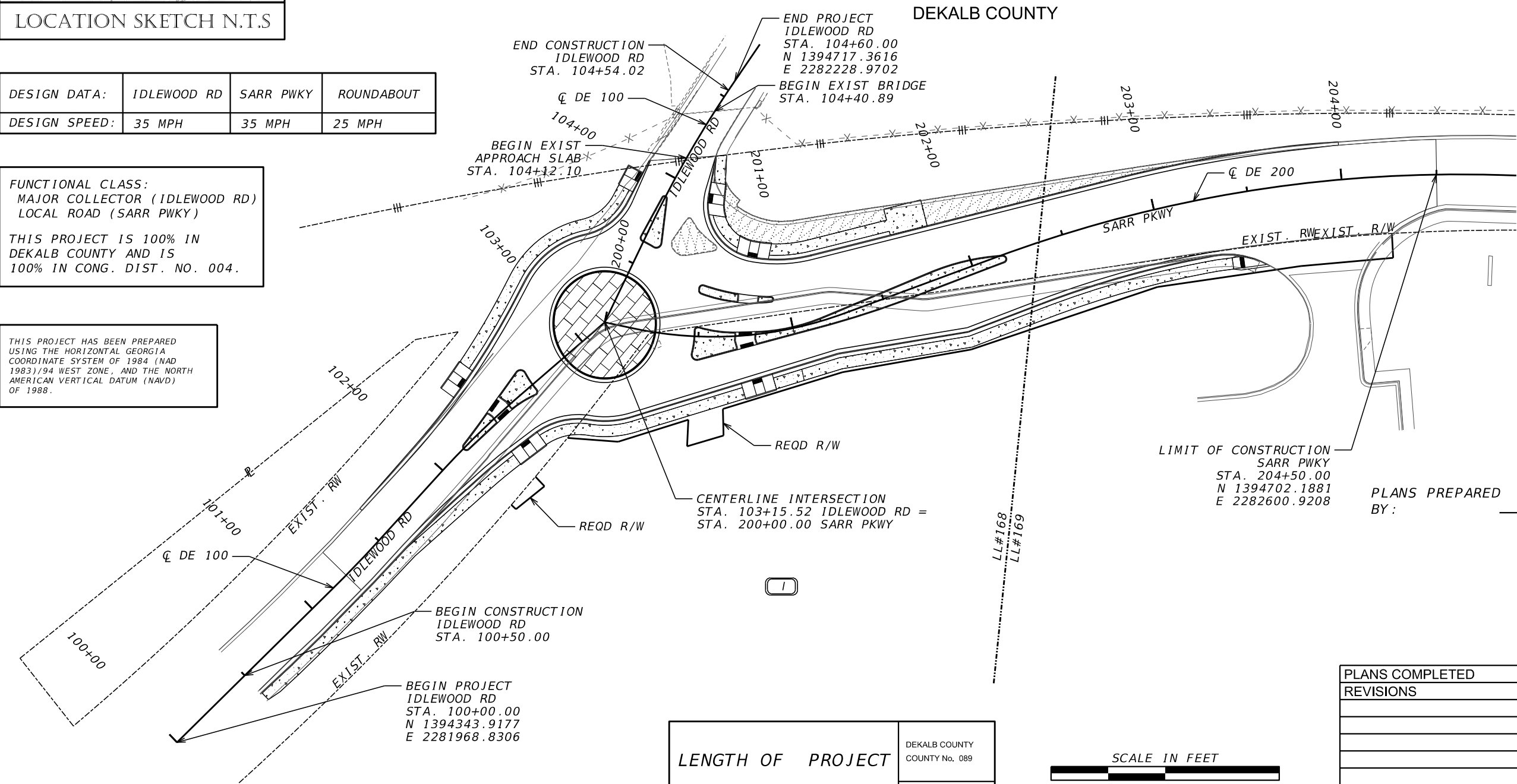
LOCATION SKETCH N.T.S

DESIGN DATA:	IDLEWOOD RD	SARR PWKY	ROUNDAABOUT
DESIGN SPEED:	35 MPH	35 MPH	25 MPH

FUNCTIONAL CLASS:
MAJOR COLLECTOR (IDLEWOOD RD)
LOCAL ROAD (SARR PWKY)

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

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.



LENGTH OF PROJECT	DEKALB COUNTY COUNTY No. 089
	MILES
NET LENGTH OF ROADWAY	0.0835
NET LENGTH OF BRIDGES	0.0036
NET LENGTH OF PROJECT	0.0871
NET LENGTH OF EXCEPTIONS	0.0000
GROSS LENGTH OF PROJECT	0.0871



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 2025 CONSTRUCTION
STANDARDS AND DETAILS BOOK AND ATTACHED APPLICABLE REVISIONS. THE 2025
CONSTRUCTION STANDARDS AND DETAILS BOOK IS AVAILABLE AT:
<http://mydocs.dot.ga.gov/info/gdotpubs/ConstructionStandardsAndDetails/Forms/AllItems.aspx>
ANY REVISIONS CONTAINED WITHIN THIS PLAN SET SUPERSEDE THE 2025 CONSTRUCTION
STANDARDS AND DETAILS BOOK WHICH THEY REVISE OR IN WHICH THERE IS A CONFLICT.



7/3/2025
Kimley»Horn

Engineering, Planning, and Environmental Consultants
Suite 350, 3930 East Jones Bridge Road
Peachtree Corners, Georgia 30092

PLANS PREPARED
BY :

PLANS COMPLETED	
REVISIONS	

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.



THE DRAWINGS AS LISTED BELOW
HAVE BEEN SIGNED AND SEALED BY

DARREN WILTON
PE No 039533

KIMLEY-HORN AND ASSOCIATES, INC.
SUITE 350, 3930 EAST JONES BRIDGE ROAD
PEACHTREE CORNERS, GA 30092
CERTIFICATE OF AUTHORIZATION #:PEF000379
CERTIFICATE OF AUTHORIZATION EXPIRATION DATE:06/30/2026

7/3/2025

DRAWING No.	DRAWING DESCRIPTION
01-0001	COVER DRAWING
01-0002	SIGNATURE DRAWING
02-0001	INDEX DRAWING
03-0001	REVISION SUMMARY DRAWING
04-0001 - 04-0002	GENERAL NOTES
05-0001 - 05-0007	TYPICAL SECTIONS
06-0001 - 06-0002	SUMMARY OF QUANTITIES
11-0001 - 11-0003	CONSTRUCTION LAYOUT
13-0001 - 13-0002	CONSTRUCTION PLAN
15-0001 - 15-0002	MAINLINE ROADWAY PROFILE
16-0001 - 16-0002	CROSSROAD PROFILE
18-0001 - 18-0004	SPECIAL GRADING DRAWING
19-0001 - 19-0008	CONSTRUCTION STAGING DRAWINGS
23-0001 - 23-0009	CROSS SECTIONS
24-0000 - 24-0002	UTILITY PLANS
25-0001 - 25-0004	LIGHTING PLANS AND DETAILS
26-0000 - 26-0003	SIGNING AND MARKING PLANS
27-0001 - 27-0002	SIGNAL PLANS
29-0000 - 29-0002	LANDSCAPING PLANS
50-0001	EROSION CONTROL COVER DRAWING
51-0001 - 51-0011	EROSION, SEDIMENTATION AND POLLUTION CONTROL GENERAL NOTES DRAWING
53-0001	ESPCP DRAINAGE AREA MAP
54-0001 - 54-0012	BMP LOCATION DETAILS
55-0001	EROSION CONTROL 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.

Kimley»Horn

Engineering, Planning, And Environmental Consultants
3930 East Jones Bridge Road, Suite 350
Peachtree Corners, Georgia 30092

REVISION DATES

SIGNATURE SHEET
IDLEWOOD RD AT SARR PKWY

CHECKED:		DATE:		DRAWING No.:
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

01-0002

NOT TO SCALE

<i>Erosion Control Plan</i>		
50-0001	<i>Erosion Cover Drawing</i>	
51-0001 TO 51-0011	<i>ESPCP General Notes Drawing</i>	
52-0001	<i>Const. Detail (EC-L1) - Erosion Control legend and Uniform Code Sheet (Sheet 1 of 7)</i>	<i>(03-17)</i>
52-0002	<i>Const. Detail (EC-L2) - Erosion Control legend and Uniform Code Sheet (Sheet 2 of 7)</i>	<i>(11-18)</i>
52-0003	<i>Const. Detail (EC-L3) - Erosion Control legend and Uniform Code Sheet (Sheet 3 of 7)</i>	<i>(03-17)</i>
52-0004	<i>Const. Detail (EC-L4) - Erosion Control legend and Uniform Code Sheet (Sheet 4 of 7)</i>	<i>(03-17)</i>
52-0005	<i>Const. Detail (EC-L5) - Erosion Control legend and Uniform Code Sheet (Sheet 5 of 7)</i>	<i>(03-17)</i>
52-0006	<i>Const. Detail (EC-L6) - Erosion Control legend and Uniform Code Sheet (Sheet 6 of 7)</i>	<i>(11-18)</i>
52-0007	<i>Const. Detail (EC-L7) - Erosion Control legend and Uniform Code Sheet (Sheet 7 of 7)</i>	<i>(03-17)</i>
53-0001	<i>ESPCP Drainage Area Map</i>	
54-0001 TO 54-0012	<i>BMP Location Details</i>	
55-0001	<i>EC Watershed Map-Site Monitoring Plan</i>	
	<i>Erosion Control Details</i>	
56-0001	<i>D-24A Temporary Silt Fence</i>	<i>09-22</i>
56-0002	<i>D-24C Temporary Silt Fence J-Hook, Inlet Sediment Traps</i>	<i>09-22</i>
56-0003	<i>D-41 Construction Exit</i>	<i>11-04</i>
56-0004	<i>D-54 Sod Installation</i>	<i>04-16</i>
56-0005	<i>D-55A Riprap Outlet Protection</i>	<i>04-16</i>

GPLN-CE
11/05/2020

[illegible]

NOT TO SCALE

1. ALL CONSTRUCTION SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS FOR ALL APPROPRIATE JURISDICTIONS.

2. ALL CONSTRUCTION OF UTILITIES TO BE SCHEDULED AND APPROVED BY THE OWNER PRIOR TO ANY DISRUPTION OF SERVICES.

3. THE CONTRACTOR IS TO VERIFY ALL LOCATIONS AND/OR TYPES OF UTILITIES NEAR THE PROJECT LIMITS BEFORE CONSTRUCTION BEGINS. ANY DAMAGE CAUSED BY THE CONTRACTOR'S PERSONNEL OR EQUIPMENT TO EXISTING UTILITIES SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR TO OWNERS SPECIFICATIONS. SUCH DAMAGE SHALL BE THE CONTRACTORS EXPENSE TO PAY FOR ALL MATERIALS, LABOR, AND NECESSARY PERMITS.

4. GRADE TO PROVIDE POSITIVE DRAINAGE AWAY FROM BUILDINGS AND INTO STORM STRUCTURES.

5. ALL SURFACE AREAS TO HAVE POSITIVE DRAINAGE AT THE CONCLUSION OF THE CONTRACT.

6. TOPS OF ALL EXISTING STRUCTURES THAT ARE TO REMAIN WITHIN THE AREA REQUIRING RE-GRADING SHALL BE RAISED OR LOWERED AS REQUIRED TO MEET NEW GRADES. PRIOR TO ANY ADJUSTMENT THE CONTRACTOR IS TO COORDINATE SUCH WORK WITH THE OWNER. THESE ADJUSTMENTS WILL BE INCLUDED IN THE CONTRACT BID PRICE.

7. APPROVED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CLEARING, GRADING, OR OTHER LAND DISTURBANCE ACTIVITY AND SHALL BE MAINTAINED IN ACCORDANCE TO CURRENT EDITION OF THE MANUAL OF EROSION AND SEDIMENT CONTROL IN GEORGIA.

8. 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 GDOT SECTION 201 OF THE STANDARD SPECIFICATION AND SUPPLEMENTS THERETO FOR ADDITIONAL INFORMATION.

9. ALL DRIVEWAYS THAT ARE TO BE RECONSTRUCTED WILL BE PAVED BACK TO THE TIE IN POINT OR EXISTING 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 THROAT 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 DRIVEWAYS AT THE TIE IN POINT, IF APPLICABLE. THE CONTRACTOR SHALL OBTAIN THE APPROVAL FROM THE ENGINEER PRIOR TO MAKING ANY REVISIONS TO LOCATION, WIDTH, AND/OR NUMBER OF DRIVES TO BE CONSTRUCTED. DRIVES SHALL BE CONSTRUCTED USING:
RESIDENTIAL:
ASPHALT- 165 LB/SY RECYCLED ASPHALT CONC, 12.5 MM SUPERPAVE, GP 2 ONLY,
INCL BITUM MATL & H LIME
- 6" GRADED AGGREGATE BASE CONCRETE- DRIVEWAY CONCRETE, 6 IN THICK
COMMERCIAL:
ASPHALT- 165 LB/SY RECYCLED ASPHALT CONC, 12.5 MM SUPERPAVE, GP 2 ONLY,
INCL BITUM MATL & H LIME
- 220 LB/SY RECYCLED ASPHALT CONC, 19 MM SUPERPAVE, GP 1 OR 2 INCL BITUM MATL & H LIME
- GRADED AGGREGATE BASE, 6" CONCRETE- DRIVEWAY CONCRETE, 8 IN THICK

10. THE METHOD OF UTILITY LOCATION IS SUE LEVEL B.

11. INGRESS AND EGRESS SHALL BE MAINTAINED AT ALL TIMES TO ADJACENT PROPERTIES.

12. 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.

13. ALL RAMPS AND SIDEWALKS WITHIN RADII WILL BE CONSTRUCTED IN 8" CONCRETE.

14. THE REMOVAL AND RESETING OF EXISTING SIGNS DURING STAGED CONSTRUCTION TO BE INCLUDED IN THE OVERALL BID PRICE FOR TRAFFIC CONTROL.

15. POST-CONSTRUCTION STORMWATER BMPS ARE NOT INCLUDED IN THIS PROJECT.

16. THE CONTRACTOR IS TO SAWCUT THE EDGES OF PAVEMENT TO PROVIDE SMOOTH EDGES THROUGHOUT THE PROJECT. COST WILL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.

17. ALL EXISTING PIPES WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS. THE COST FOR REMOVAL WILL BE INCLUDED IN THE PRICE BID FOR GRADING COMPLETE.

18. THE CONTRACTOR SHALL ENSURE THAT NO CONSTRUCTION-RELATED ACTIVITIES (SUCH AS THE USE OF EASEMENTS, STAGING, CONSTRUCTION, VEHICULAR USE, BORROW OR WASTE ACTIVITIES, SEDIMENT BASINS, TRAILER PLACEMENT, ETC.) OCCUR IN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES TO REMAIN IN THE RIGHT OF WAY. THIS DOES NOT APPLY TO THE TREES WITHIN THE CONSTRUCTION LIMITS OR LIMITS OF DISTURBANCE THAT WILL BE REMOVED OR DESTROYED TO ALLOW FOR CONSTRUCTION.

19. ANY VERTICAL CONSTRUCTION EQUIPMENT, SUCH AS CRANES, IN EXCESS OF 200 FEET ABOVE ROADWAY ELEVATION MUST BE EVALUATED BY THE FAA. EVALUATION BY FILING OF "NOTICE OF PROPOSED CONSTRUCTION" FAA FORM 7460-1 MUST BE ACCOMPLISHED NOT EARLIER THAN 18 MONTHS AND NOT LATER THAN 120 DAYS PRIOR TO CONSTRUCTION.

20. TWO (2) WEEKS PRIOR TO OPENING ROUNDABOUTS, THE CONTRACTOR SHALL INFORM THE TRAVELING PUBLIC OF THE UPCOMING CHANGE USING PORTABLE CHANGEABLE MESSAGE SIGNS, READING ALTERNATIVELY "NEW CONTROL/YIELD AHEAD".

21. THE CONTRACTOR SHALL INFORM APPROPRIATE UTILITY COMPANY, IN WRITING, OF THE DATE WHEN THE COST FOR MAINTAINING POWER TO THE LIGHTING OF THE PROJECT IS TO BE TRANSFERRED FROM THE RESPONSIBILITY OF THE CONTRACTOR TO THE GOVERNING PARTY.

22. ALL CUT AND FILL SLOPES SHALL BE GRASSED AS DIRECTED BY THE ENGINEER IMMEDIATELY AFTER THE SLOPES ARE ESTABLISHED IN ORDER TO REDUCE EROSION. IF THE SEASON DOES NOT PERMIT GRASSING, TEMPORARY MULCH SHALL BE USED AS DIRECTED BY THE ENGINEER. REFER TO SECTION 161 OF THE STANDARD SPECIFICATIONS.

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

24. ALL SILT FENCES MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT FENCE INSTALLATION IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL SILT FENCES AND TO REPAIR OR REPLACE ANY SILT FENCE THAT IS NOT SATISFACTORY. EROSION CONTROL CHECK DAMS SHALL BE PLACED IMMEDIATELY AFTER DRAINAGE STRUCTURES ARE IN PLACE. ALL EROSION CONTROL DEVICES SHALL BE PLACED ACCORDING TO THE PLANS AND AS DIRECTED BY THE ENGINEER. SEE THE GADOT STANDARD SPECIFICATION REGARDING EROSION CONTROL AND THE MANUAL FOR EROSION AND SEDIMENT CONTROL BY G.S.W.C.C. THE CONTRACTOR SHALL OBTAIN AND ABIDE BY ALL CORPS OF ENGINEERS RULES AND REGULATIONS CONCERNING CONSTRUCTION ADJACENT TO WATERWAYS AND MAINTAIN WATER QUALITY.

25. DURING EXCAVATION FOR PROPOSED UTILITIES AND FOUNDATIONS, THE CONTRACTOR SHALL TAKE CARE TO NOT DISTURB ADJACENT EXISTING STRUCTURES AND FOUNDATIONS. IF REQUIRED THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND INSTALLATION OF ANY PROPOSED TEMPORARY SHORING. ANY PROPOSED SHORING SHALL BE SUBMITTED TO THE REQUIRED STAKEHOLDERS FOR REVIEW AND APPROVAL, PRIOR TO INSTALLATION OF TEMPORARY SHORING. CONTRACTOR SHALL DOCUMENT THE CONDITIONS OF THE EXISTING STRUCTURES BEFORE AND AFTER CONSTRUCTION ACTIVITIES TO THE SATISFACTION OF THE STAKEHOLDERS.

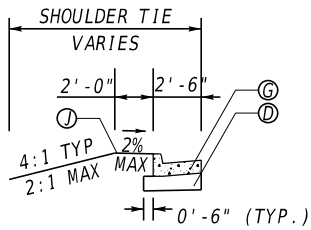
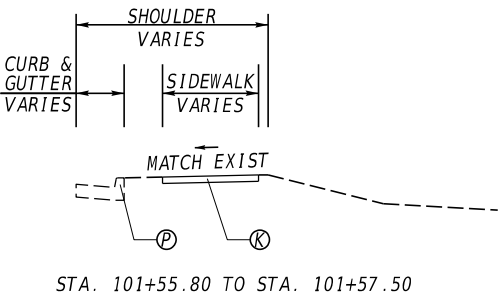
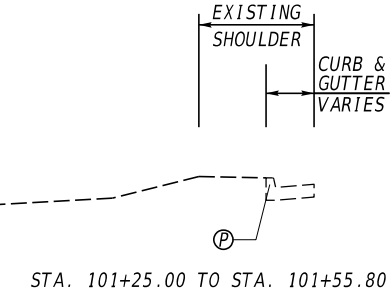
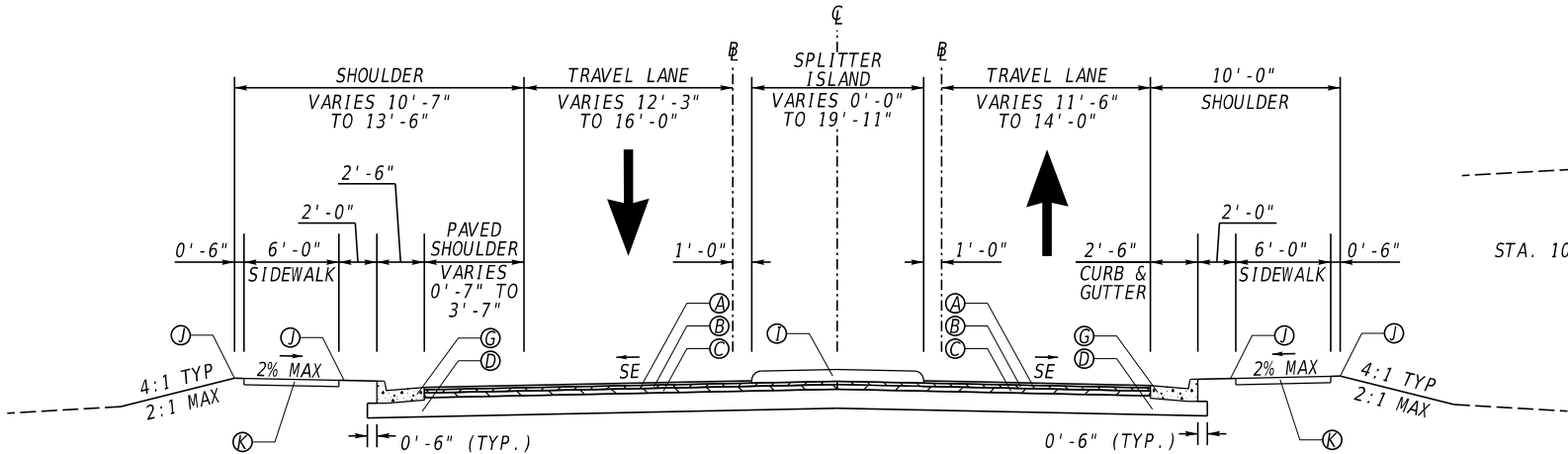
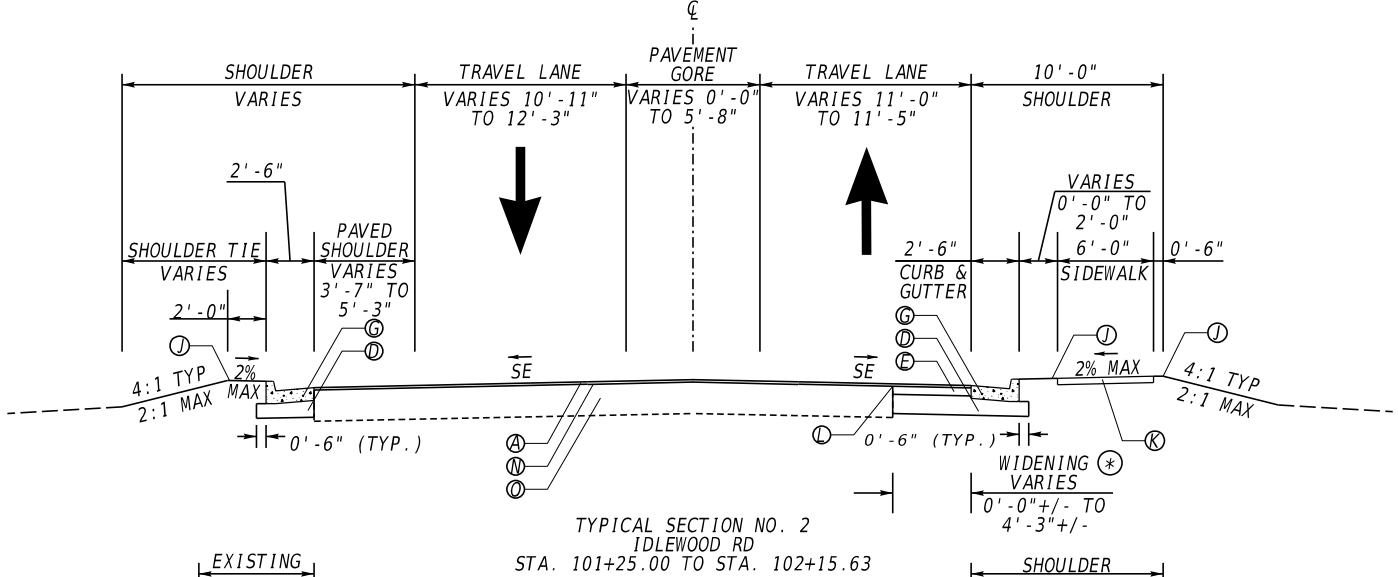
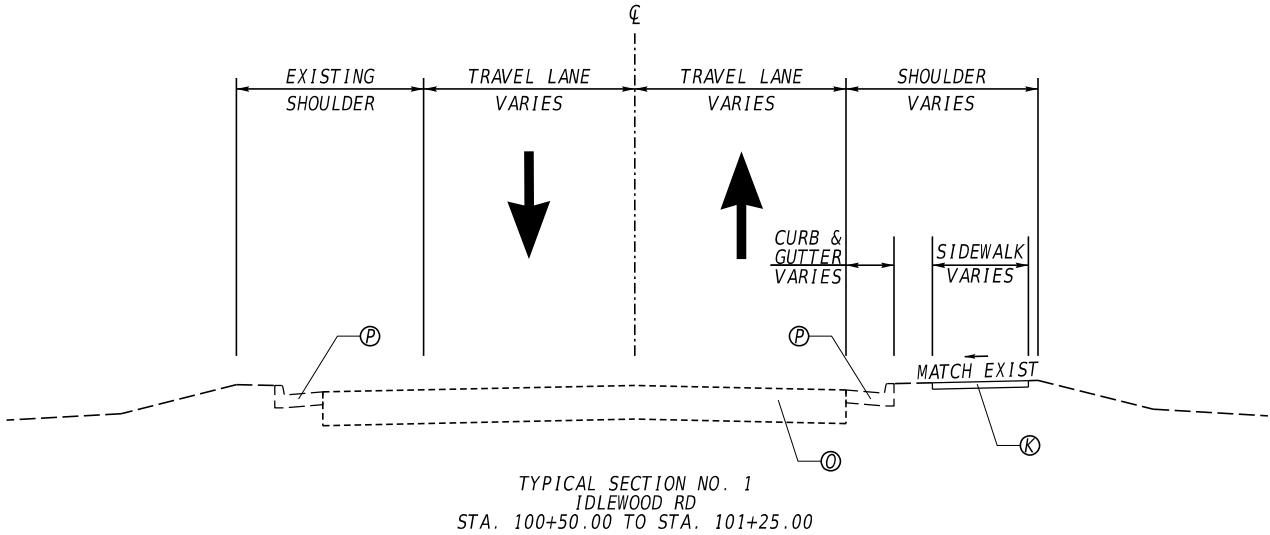


Know what's below.
Call before you dig.

SERVICE	UTILITY OWNER
TELECOM	AT&T
TELECOM	COMCAST
ELECTRIC	GEORGIA POWER
TELECOM	ZAYO
GAS	ATLANTA GAS LIGHT
WATER	DEKALB COUNTY
SEWER	DEKALB COUNTY

6/10/2025 Katie.Mills		10:27:19 AM	GPLOT-ORD gplotborder-ORD-PO.tbl	04.dgn								
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 CITY OF CHAMBLEE 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 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). 4b. WHEN GUARDRAIL IS PRESENT OR BEING PROPOSED, SIGNS SHALL BE POSTED 2 FT 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 1/2 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 3/8 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 1/2 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. 12. A 1/2 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 3/8 INCH DIAMETER HOLE(S), DRILLED OR PUNCHED, SHALL BE REQUIRED TO PROPERLY MOUNT THE ASSEMBLY. 14. 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. MAINTENANCE OF TRAFFIC 1. ALL ITEMS NECESSARY FOR COMPLIANCE WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE PRICE BID FOR TRAFFIC CONTROL, LUMP SUM. 2. ALL SIGNS AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND STANDARD HIGHWAY SIGNS, (LATEST EDITIONS). 3. ALL TEMPORARY SIGNS SHALL HAVE HIGH INTENSITY REFLECTORIZED SHEETING ON METAL SIGN PANELS. PLYWOOD SIGN PANELS ARE PROHIBITED. 4. IN RESIDENTIAL AREAS SIGNS SHALL BE LOCATED ON, OR AS CLOSE AS POSSIBLE TO, PROPERTY LINES. 5. EXISTING TRAFFIC SIGNS SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. MAINTENANCE INCLUDES REPLACING DAMAGED AND STOLEN SIGNS, AND PERIODIC CLEANING OF EXISTING SIGNS, BARRELS, AND OTHER CONSTRUCTION RELATED TRAFFIC CONTROL DEVICES. 6. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TRAFFIC SHIFTS SHALL BE OBLITERATED BY THE CONTRACTOR BY GRINDING OR PAVING OVER. "BLACK OUT" PAINT IS PROHIBITED. 7. ONLY REFLECTORIZED PLASTIC DRUMS AND TEMPORARY CONCRETE BARRIERS SHALL BE USED ADJACENT TO TRAVEL LANES. TYPE I AND TYPE II BARRICADES AND CONES SHALL NOT BE USED. 8. ALL REFLECTORIZED PLASTIC DRUMS AND TEMPORARY CONCRETE BARRIERS SHALL BE PLACED A MINIMUM OF 2 FEET (0.6 M) FROM THE EDGE OF THE TRAVEL LANES UNLESS PRIOR APPROVAL IS GRANTED BY THE DEPARTMENT OF TRANSPORTATION. 9. THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO DRIVEWAYS AT ALL TIMES. 10. ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR SO AS TO NOT INTERFERE WITH SIGHT DISTANCE ALONG ANY ADJACENT SIDE ROAD OR DRIVEWAY. 11. REFLECTORIZED DRUMS SHALL BE PROVIDED FOR CHANNELIZATION OF TRAFFIC IN ALL TRAFFIC SHIFTS. MAXIMUM SPACING EQUALS THE DESIGN SPEED LIMIT FOR THE TAPER. 12. THE CITY OF TUCKER RESERVES THE RIGHT TO MODIFY THIS MAINTENANCE OF TRAFFIC PLAN AS FIELD CONDITIONS WARRANT. IF ADDITIONAL TRAFFIC CONTROL DEVICES ARE REQUIRED THESE SHALL BE PROVIDED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE CITY. 13. ALL M4-9 SIGNS SHALL HAVE ADVISORY BLADES INSTALLED BELOW THE "DETOUR" SIGN IDENTIFYING THE CLOSED STREET THAT THE DETOUR ROUTE SERVES.												
				 Engineering, Planning, and Environmental Consultants Suite 350, 3930 East Jones Bridge Road Peachtree Corners, Georgia 30092	N.T.S	REVISION DATES			GENERAL NOTES IDLEWOOD RD AT SARR PKWY			
						CHECKED:		DATE:		DRAWING No.		
						BACKCHECKED:		DATE:		04-0002		
						CORRECTED:		DATE:				
						VERIFIED:		DATE:				

⊛ USE CLASS "B" CONCRETE WHEN
WIDENING LESS THAN 5'-0"
SEE DETAIL ON SHEET 05-0006



- Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME (165 LB/SY)

Ⓑ RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)

Ⓒ RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (550 LB/SY)

Ⓓ GR AGGR BASE CRS, INCL MATL (12")

Ⓔ CLASS B CONCRETE WIDENING, SEE DETAIL ON SHEET 5-0006

Ⓕ PLAIN PC CONC PVMT, CL 3 CONC, 10 INCH THK, COLORED AND STAMPED WITH FEDERAL COLOR #31136 INSIGNIA RED BRICK PATTERN

Ⓖ CONC CURB & GUTTER, 8 IN X 30 IN, TP 2

Ⓗ CONC CURB & GUTTER, 8 IN X 30 IN, TP 9
- Ⓛ MONOLITHIC MEDIAN, 7 1/2 IN, TP 7 CURB FACE (GA. STD. 9032B) (KEYED IN), COLORED AND STAMPED WITH FEDERAL COLOR #33446 DESERT TAN BRICK PATTERN

Ⓜ SOD

Ⓢ CONCRETE SIDEWALK, 4 IN

Ⓣ PVMT REINF FABRIC STRIPS, TP 2, 18 IN WIDTH

Ⓤ RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME

Ⓡ MILL ASPH CONC PVMT, 1.5 IN DEPTH

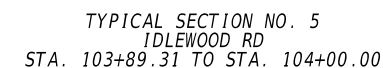
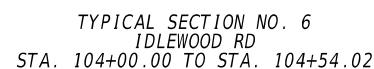
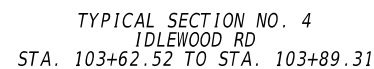
Ⓢ EXISTING PAVEMENT

Ⓣ EXISTING CURB & GUTTER

Ⓤ T-BEAM GUARDRAIL (SEE PLANS FOR GDOT STANDARD AND LOCATION)

Ⓡ W-BEAM GUARDRAIL (SEE PLANS FOR GDOT STANDARD AND LOCATION)

Ⓢ MILL ASPH CONC PVMT, VARIABLE DEPTH



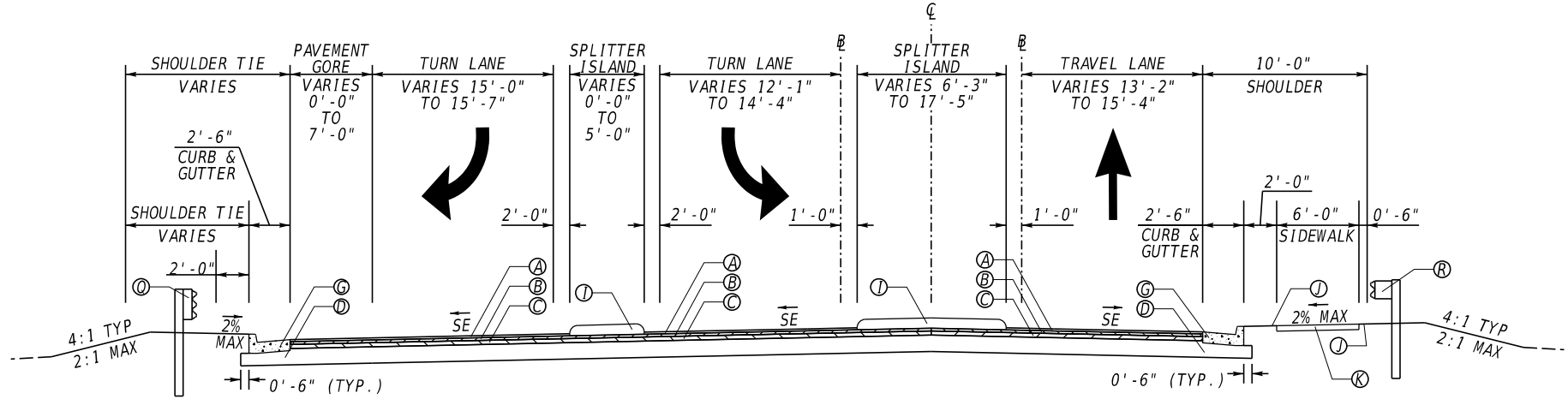
- ① MONOLITHIC MEDIAN, 7 1/2 IN, TP 7 CURB FACE (GA. STD. 9032B) (KEYED IN), COLORED AND STAMPED WITH FEDERAL COLOR #33446 DESERT TAN BRICK PATTERN
- ⑦ SOD
- ⓧ CONCRETE SIDEWALK, 4 IN
- ① PMVT REINF FABRIC STRIPS, TP 2, 18 IN WIDTH
- Ⓜ RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
- Ⓢ MILL ASPH CONC PMVT, 1.5 IN DEPTH
- ⑦ EXISTING PAVEMENT
- Ⓟ EXISTING CURB & GUTTER
- Ⓢ T-BEAM GUARDRAIL (SEE PLANS FOR GDOT STANDARD AND LOCATION)
- Ⓢ W-BEAM GUARDRAIL (SEE PLANS FOR GDOT STANDARD AND LOCATION)
- Ⓢ MILL ASPH CONC PMVT, VARIABLE DEPTH

REVISION DATES			TYPICAL SECTIONS IDLEWOOD RD AT SARR PKWY				
			CHECKED:		DATE:		DRAWING No. 05-0002
			BACKCHECKED:		DATE:		
			CORRECTED:		DATE:		
			VERIFIED:		DATE:		

Kimley»»Horn

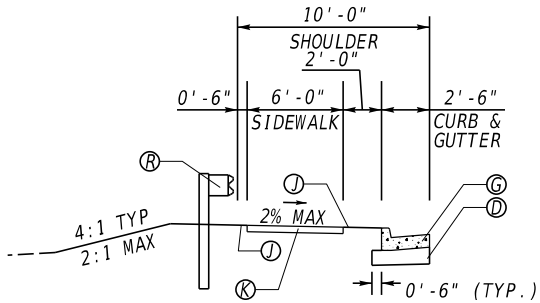
Engineering, Planning, And Environmental Consultants
3930 East Jones Bridge Road, Suite 350
Peachtree Corners, Georgia 30092

NOT TO SCALE

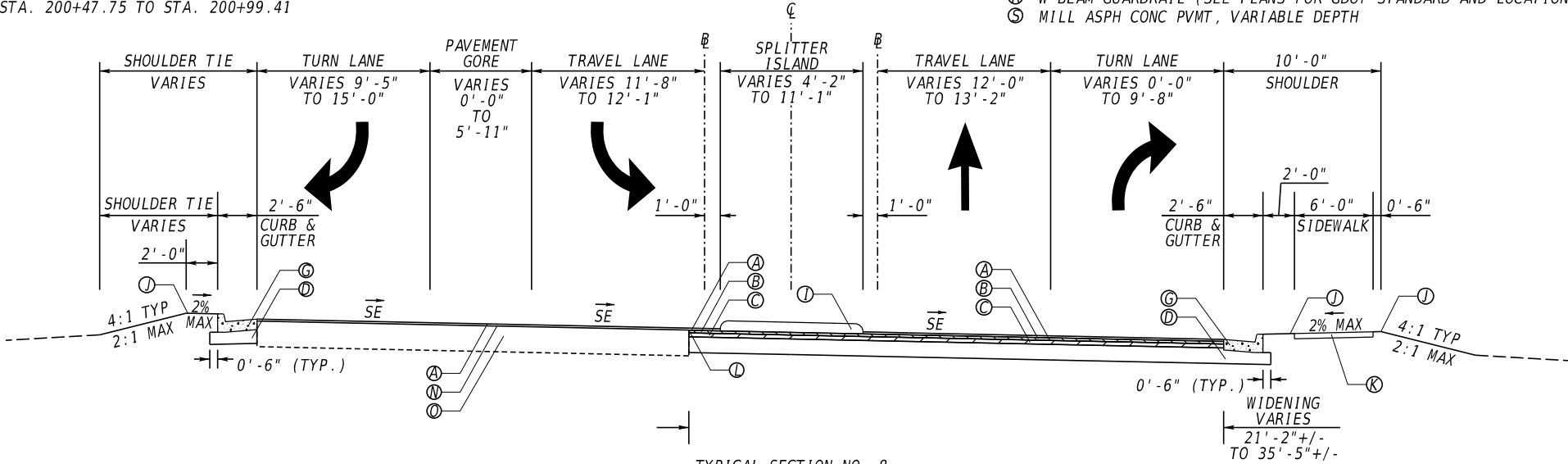


TYPICAL SECTION NO. 7
SARR PWKY
STA. 200+47.75 TO STA. 200+99.41

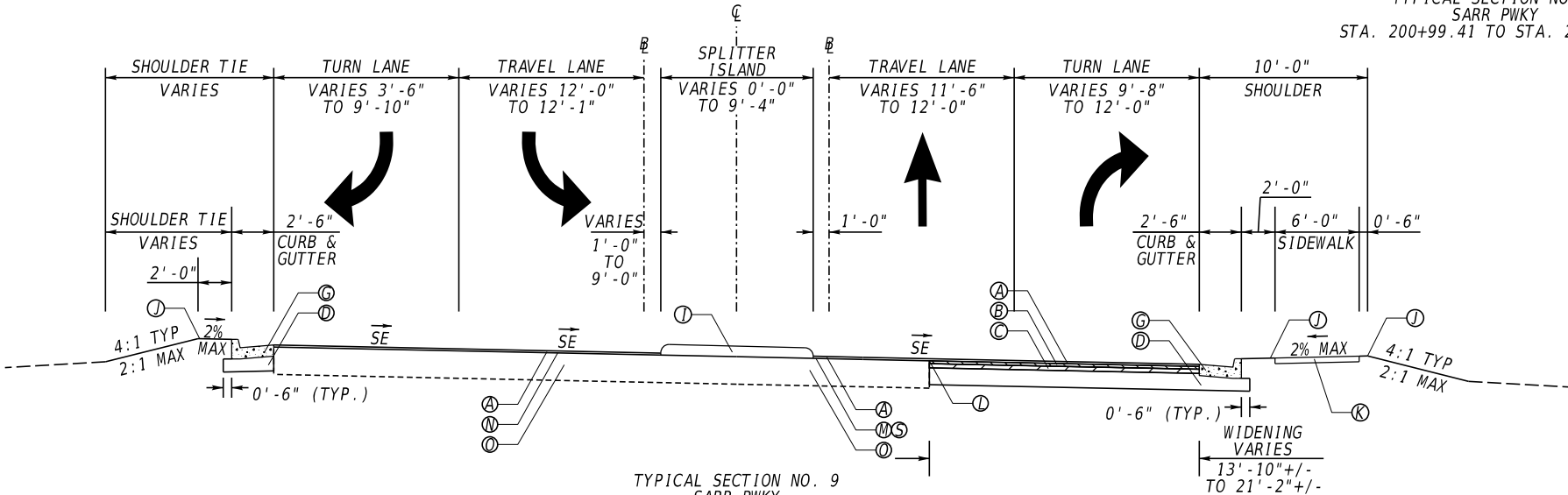
- Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME (165 LB/SY)
- Ⓑ RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
- Ⓒ RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (550 LB/SY)
- Ⓓ GR AGGR BASE CRS, INCL MATL (12")
- Ⓔ CLASS B CONCRETE WIDENING, SEE DETAIL ON SHEET 5-0006
- Ⓕ PLAIN PC CONC PVMT, CL 3 CONC, 10 INCH THK, COLORED AND STAMPED WITH FEDERAL COLOR #31136 INSIGNIA RED BRICK PATTERN
- Ⓖ CONC CURB & GUTTER, 8 IN X 30 IN, TP 2
- Ⓗ CONC CURB & GUTTER, 8 IN X 30 IN, TP 9
- Ⓘ MONOLITHIC MEDIAN, 7 1/2 IN, TP 7 CURB FACE (GA. STD. 9032B) (KEYED IN), COLORED AND STAMPED WITH FEDERAL COLOR #33446 DESERT TAN BRICK PATTERN
- Ⓛ SOD
- Ⓚ CONCRETE SIDEWALK, 4 IN
- Ⓛ PVMT REINF FABRIC STRIPS, TP 2, 18 IN WIDTH
- Ⓜ RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
- Ⓝ MILL ASPH CONC PVMT, 1.5 IN DEPTH
- Ⓞ EXISTING PAVEMENT
- Ⓟ EXISTING CURB & GUTTER
- Ⓣ T-BEAM GUARDRAIL (SEE PLANS FOR GDOT STANDARD AND LOCATION)
- Ⓜ W-BEAM GUARDRAIL (SEE PLANS FOR GDOT STANDARD AND LOCATION)
- Ⓢ MILL ASPH CONC PVMT, VARIABLE DEPTH



STA. 200+47.75 TO STA. 200+77.50



TYPICAL SECTION NO. 8
SARR PWKY
STA. 200+99.41 TO STA. 201+71.76



TYPICAL SECTION NO. 9
SARR PWKY
STA. 201+71.76 TO STA. 202+19.00

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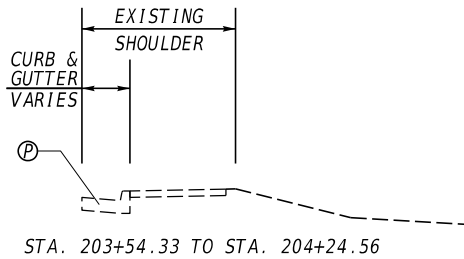
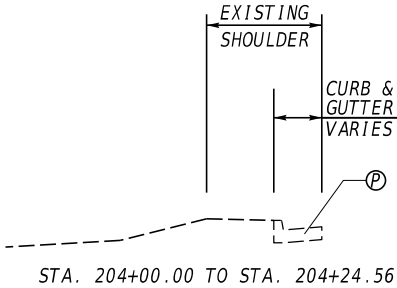
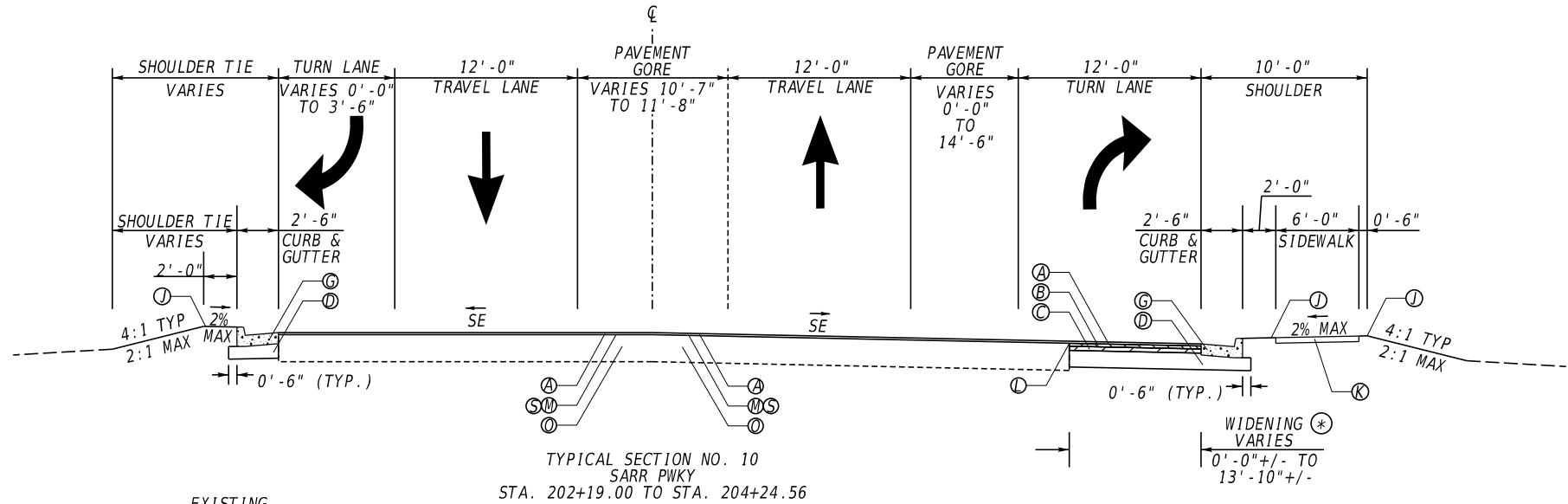
REVISION DATES

TYPICAL SECTIONS
IDLEWOOD RD AT SARR PWKY

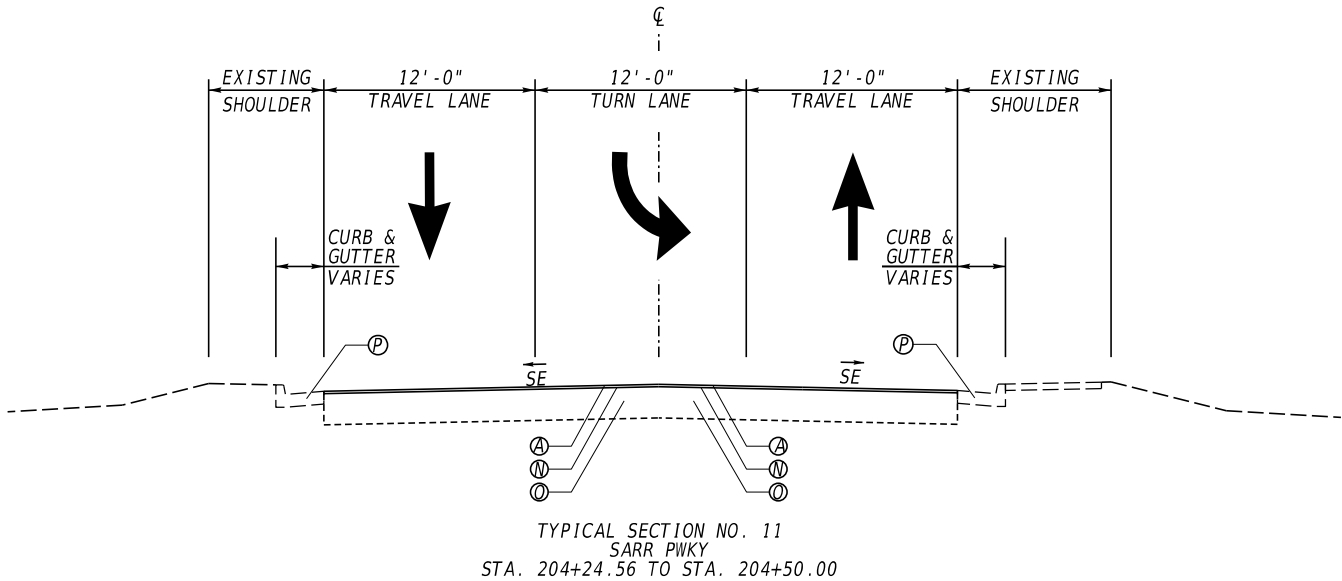
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BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

05-0003

⊛ USE CLASS "B" CONCRETE WHEN
WIDENING LESS THAN 5'-0"
SEE DETAIL ON SHEET 05-0006



- Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME (165 LB/SY)
- Ⓑ RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (220 LB/SY)
- Ⓒ RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME (550 LB/SY)
- Ⓓ GR AGGR BASE CRS, INCL MATL (12")
- Ⓔ CLASS B CONCRETE WIDENING, SEE DETAIL ON SHEET 5-0006
- Ⓕ PLAIN PC CONC PVMT, CL 3 CONC, 10 INCH THK, COLORED AND STAMPED WITH FEDERAL COLOR #31136 INSIGNIA RED BRICK PATTERN
- Ⓖ CONC CURB & GUTTER, 8 IN X 30 IN, TP 2
- Ⓗ CONC CURB & GUTTER, 8 IN X 30 IN, TP 9
- Ⓘ MONOLITHIC MEDIAN, 7 1/2 IN, TP 7 CURB FACE (GA. STD. 9032B) (KEYED IN), COLORED AND STAMPED WITH FEDERAL COLOR #33446 DESERT TAN BRICK PATTERN
- Ⓚ SOD
- Ⓛ CONCRETE SIDEWALK, 4 IN
- Ⓜ PVMT REINF FABRIC STRIPS, TP 2, 18 IN WIDTH
- Ⓝ RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME
- Ⓞ MILL ASPH CONC PVMT, 1.5 IN DEPTH
- Ⓟ EXISTING PAVEMENT
- Ⓠ EXISTING CURB & GUTTER
- Ⓡ T-BEAM GUARDRAIL (SEE PLANS FOR GDOT STANDARD AND LOCATION)
- Ⓢ W-BEAM GUARDRAIL (SEE PLANS FOR GDOT STANDARD AND LOCATION)
- Ⓣ MILL ASPH CONC PVMT, VARIABLE DEPTH



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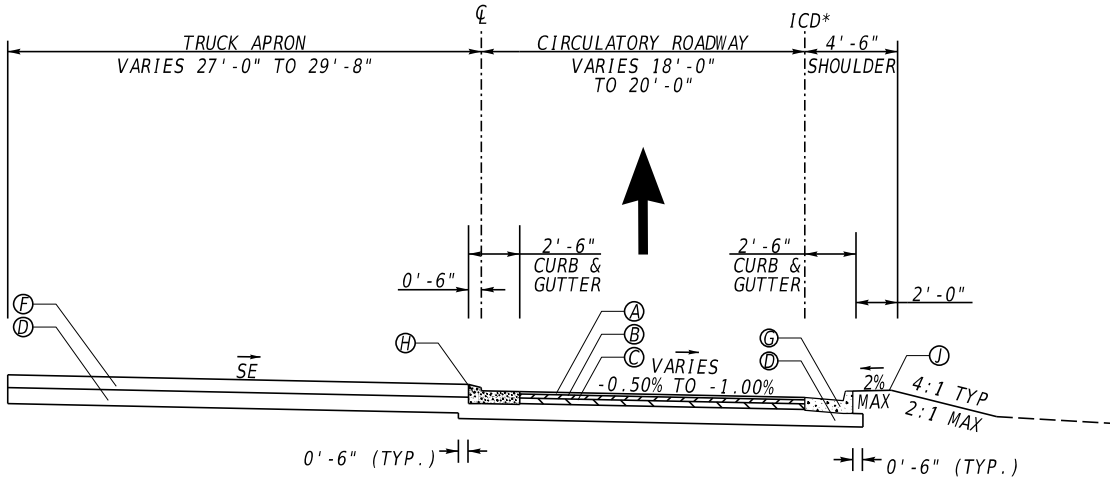
NOT TO SCALE

REVISION DATES

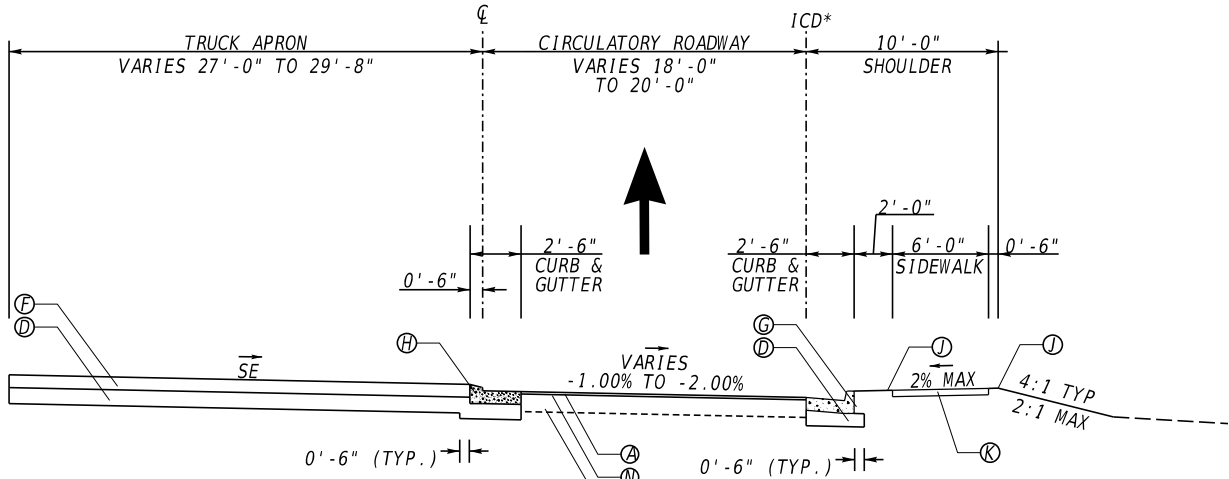
TYPICAL SECTIONS
IDLEWOOD RD AT SARR PKWY

CHECKED:		DATE:		DRAWING No.:
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

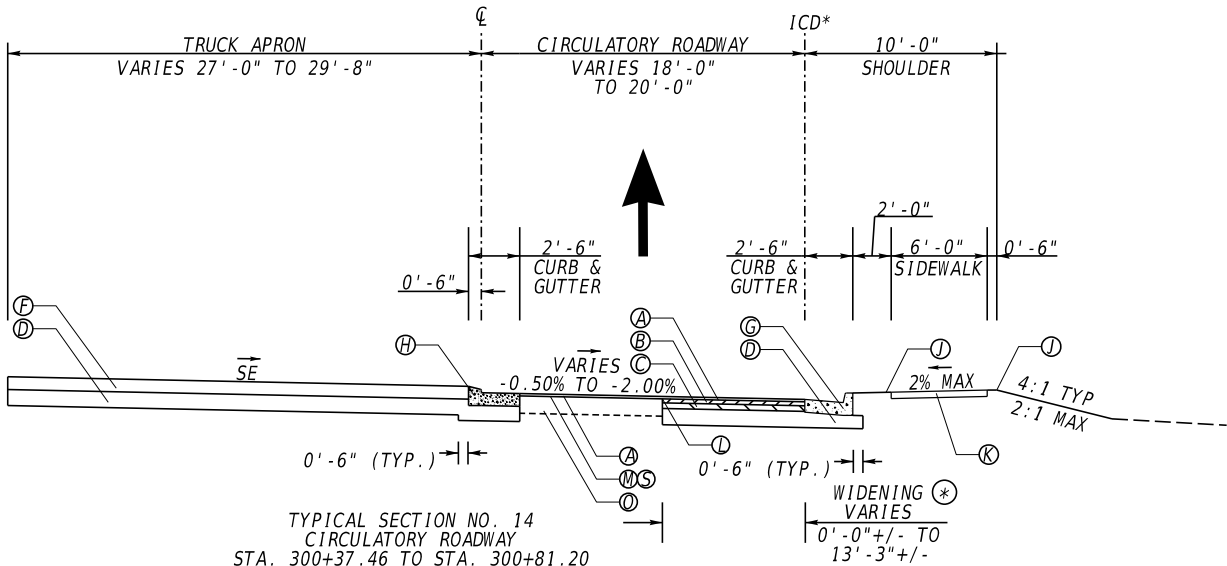
05-0004



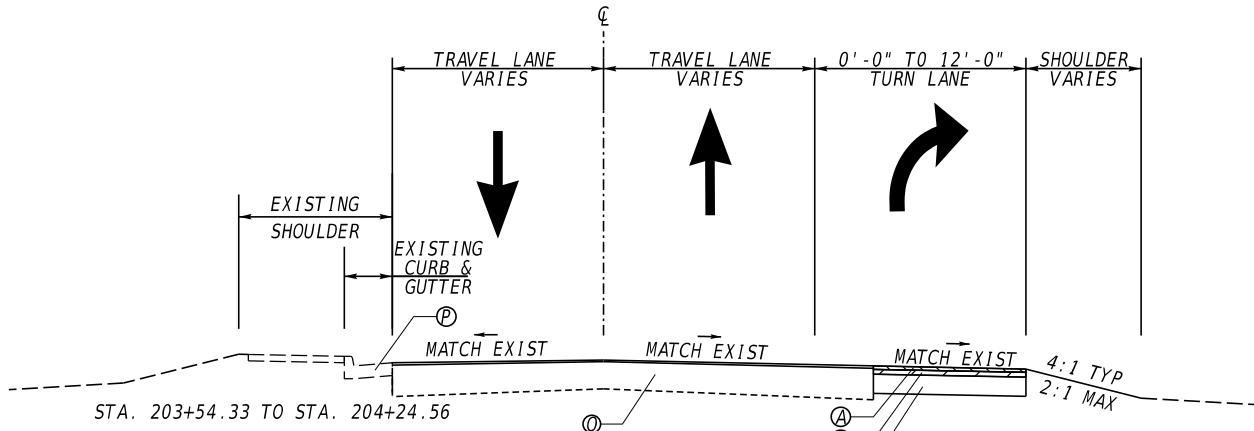
TYPICAL SECTION NO. 12
CIRCULATORY ROADWAY
STA. 300+00.00 TO STA. 300+16.50
STA. 300+81.20 TO STA. 301+74.10



TYPICAL SECTION NO. 13
CIRCULATORY ROADWAY
STA. 300+16.50 TO STA. 300+37.46



TYPICAL SECTION NO. 14
CIRCULATORY ROADWAY
STA. 300+37.46 TO STA. 300+81.20



TYPICAL SECTION NO. 15
TEMPORARY PAVEMENT
STA. 100+50.00 TO STA. 103+32.20

⊗ USE CLASS "B" CONCRETE WHEN
WIDENING LESS THAN 5'-0"
SEE DETAIL ON SHEET 05-0006

- Ⓐ RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME (165 LB/SY)

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Ⓓ GR AGGR BASE CRS, INCL MATL (12")

Ⓔ CLASS B CONCRETE WIDENING, SEE DETAIL ON SHEET 5-0006

Ⓕ PLAIN PC CONC PVMT, CL 3 CONC, 10 INCH THK, COLORED AND STAMPED WITH FEDERAL COLOR #31136 INSIGNIA RED BRICK PATTERN

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Ⓗ CONC CURB & GUTTER, 8 IN X 30 IN, TP 9
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Ⓛ SOD

Ⓚ CONCRETE SIDEWALK, 4 IN

Ⓛ PVMT REINF FABRIC STRIPS, TP 2, 18 IN WIDTH

Ⓜ RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME

Ⓝ MILL ASPH CONC PVMT, 1.5 IN DEPTH

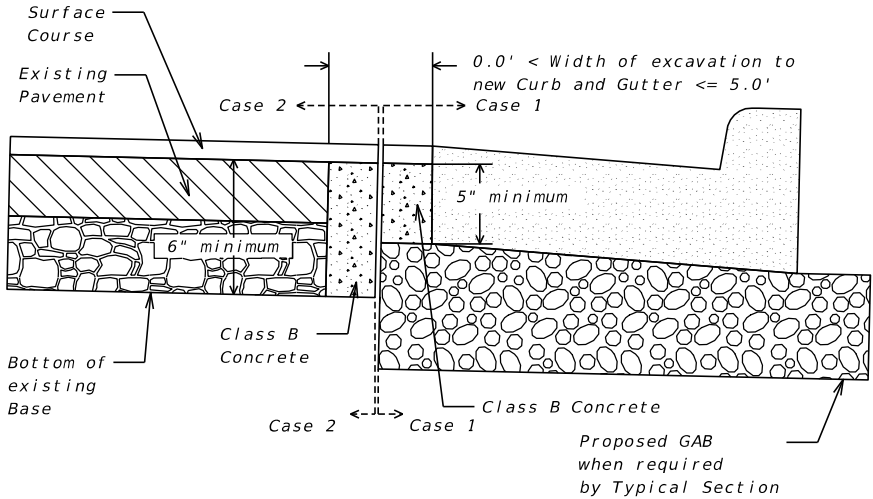
Ⓞ EXISTING PAVEMENT

Ⓟ EXISTING CURB & GUTTER

Ⓠ T-BEAM GUARDRAIL (SEE PLANS FOR GDOT STANDARD AND LOCATION)

Ⓡ W-BEAM GUARDRAIL (SEE PLANS FOR GDOT STANDARD AND LOCATION)

Ⓢ MILL ASPH CONC PVMT, VARIABLE DEPTH



NO SCALE

CLASS "B" CONCRETE BASE FOR PAVEMENT WIDENING

Item Code 500-9999 - CY Unit of Measure

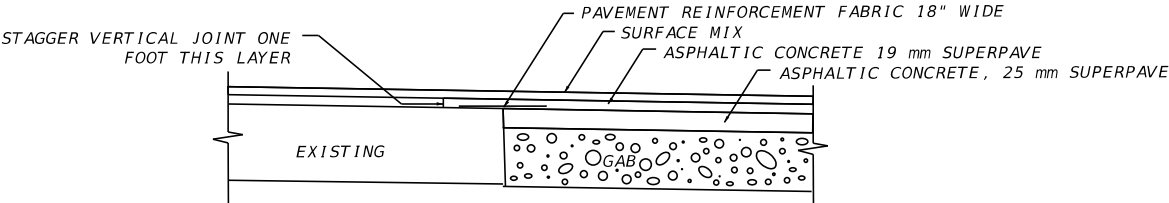
Case 1:
Where GAB is required under the new Curb and Gutter and the depth of proposed paving between the top of the GAB and the bottom of the surface course is 5 inches or greater, Class B concrete shall be placed in lieu of the paving between the GAB and surface courses specified by the typical section.

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.

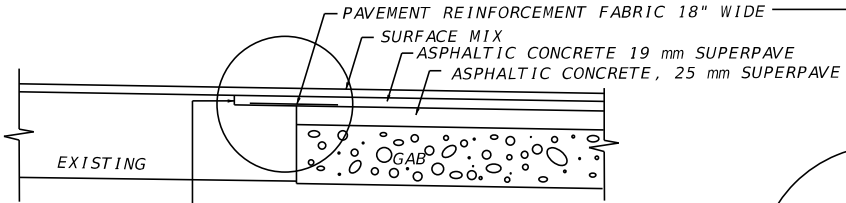
CLASS "B" CONCRETE BASE FOR WIDENING DETAIL

PAVEMENT FABRIC STRIP DETAIL

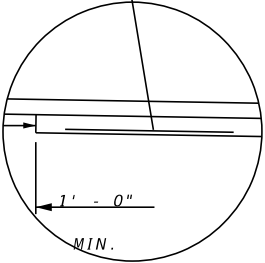
TYPICAL SECTION DETAIL TO BE USED WHEN
EXISTING PAVEMENT IS TO BE RESURFACED WITH
TWO INCHES OR MORE OF ASPHALTIC CONCRETE



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



MILL EXISTING LANE ONE FOOT WIDE
TO DEPTH OF ADJOINING LAYER TO
BE PLACED. COST OF MILLING FOR THIS WORK
TO BE INCLUDED IN THE UNIT PRICE BID FOR
PAVEMENT REINFORCING FABRIC.



REVISION DATES

TYPICAL SECTIONS
IDLEWOOD RD AT SARR PKWY

CHECKED:		DATE:		DRAWING No.:
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

LUMP SUM ITEMS			
ITEM	PAY ITEM	UNIT	QUANTITY
TRAFFIC CONTROL	150-1000	LS	1
GRADING COMPLETE	210-0100	LS	1

PAVING QUANTITIES									
ITEM	PAY ITEM	UNIT	Idlewood Rd N	Idlewood Rd S	Sarr Pkwy	Circulatory Rdwy	Temp Pvmnt	AS DIRECTED (5%)	TOTALS
GR AGGR BASE CRS, INCL MATL	310-1101	TN	271	681	460	221	0	84	1767
RECYCLED ASPH CONC LEVELING, INCL BITUM MATL & H LIME	402-1812	TN	0	50	3	0	0	3	56
RECYCLED ASPH CONC 25 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	402-3121	TN	73	209	97	0	0	20	413
RECYCLED ASPH CONC 19 MM SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	402-3190	TN	30	84	39	36	0	10	205
RECYCLED ASPH CONC 12.5 MM SUPERPAVE, GP 1 OR 2, INCL POLYMER-MODIFIED BITUM MATL & H LIME	402-4510	TN	42	174	37	27	0	15	310
TACK COAT	413-0750	GL	31	91	50	23	0	10	212
MILL ASPH CONC PVMT, VARIABLE DEPTH	432-5010	SY	283	1069	51	0	0	78	1633
CLASS B CONC	500-3200	CY	2	3	1	0	0	0	7
PVMT REINF FABRIC STRIPS, TP 2, 18 INCH WIDTH	446-1100	LF	61	223	151	0	0	25	528

PAVING QUANTITIES			
ITEM	PAY ITEM	UNIT	QUANTITY
RIGHT OF WAY MARKERS	634-1200	EA	5
PLAIN PC CONC PVMT, CL 3 CONC, 10 INCH THK	439-0022	SY	259
CONC SIDEWALK, 4 IN	441-0104	SY	371
CONC SIDEWALK, 8 IN	441-0108	SY	274
CONCRETE MEDIAN, 7 1/2 INCH	441-0754	SY	242
CONC CURB & GUTTER, 8 IN X 30 IN, TP 2	441-6222	LF	1,117
CONC CURB & GUTTER, 8 IN X 32 IN, TP 9	441-6743	LF	175
CURB CUT WHEELCHAIR RAMP, TYPE B	441-7012	EA	6
CURB CUT WHEELCHAIR RAMP, TYPE D	441-7014	EA	1
DETECTABLE WARNING SURFACE	999-5200	SF	64

GUARDRAIL QUANTITIES					
LOCATION	SIDE	"T" BEAM	"W" BEAM	TP 1 ANCHORAGE	TP 12A ANCHORAGE
		LF	LF		
		641-1100	641-1200	641-5001	641-5012
STA. 103+63.76 TO STA. 104+18.53	LT	0	60	1	0
STA. 104+18.53 TO STA. 104+26.80	LT	9	0	0	0
STA. 200+97.89 TO STA. 104+45.25	RT	0	69	0	1
STA. 104+45.25 TO STA. 104+54.02	RT	21	0	0	0
TOTAL		30	129	1	1

HANDRAIL QUANTITIES		
LOCATION	SIDE	HANDRAIL SPEC DESIGN
		LF
		515-2050
STA. 102+12.02 TO STA. 102+36.37	RT	24
STA. 102+51.99 TO STA. 102+73.41	LT	24
STA. 103+31.11 TO STA. 103+51.58	LT	24
STA. 200+42.30 TO STA. 200+60.75	RT	24
TOTAL		96

TEMPORARY EROSION CONTROL QUANTITIES			
ITEM	PAY ITEM	UNIT	QUANTITY
163-0240	MULCH	TN	20
163-0232	TEMPORARY GRASSING	AC	1
171-0010	TEMPORARY SILT FENCE, TYPE A	LF	1349
165-0010	MAINTENANCE OF TEMPORARY SILT FENCE - TP A	LF	1349
165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA (PER EACH)	EA	1
163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	EA	1
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	EA	1
163-0550	CONSTRUCT AND REMOVE INLET SEDIMENT TRAP	EA	6
165-0105	MAINTENANCE OF INLET SEDIMENT TRAP	EA	6

PERMANENT EROSION CONTROL QUANTITIES			
ITEM	PAY ITEM	UNIT	QUANTITY
PERMANENT GRASSING	700-6910	AC	1
AGRICULTURAL LIME	700-7000	TN	2
FERTILIZER MIXED GRADE	700-8000	TN	1
FERTILIZER NITROGEN CONTENT	700-8100	LB	30
SOD	700-9300	SY	248

DRAINAGE QUANTITIES				
STRUCTURE NUMBER	LOCATION	CONCRETE SPILLWAY, GA STD. 9013, TP 1	RIP RAP TYPE 3, 18 IN	PLASTIC FILTER FABRIC
		EA	SY	SY
		441-0301	603-2181	603-7000
S-1	102+25.62, 17.71' RT	1	8	8
S-2	200+48.53, 32.28' RT	1	8	8
S-3	102+66.13, 31.76' LT	1	8	8
S-4	103+38.45, 41.75' LT	1	8	8
TOTAL		4	32	32

SUMMARY OF QUANTITIES - STANDARD SIGNS														
STATION	INSTL. NO.	SIGN CODE							POST			POST		
			TP 1 MATL, REFL SHEETING TP 9			TP 1 MATL, REFL SHEETING TP 11			TYPE 7			TYPE 8		
			SIZE	QUANTITY	SQUARE FEET	SIZE	QUANTITY	SQUARE FEET	LENGTH (FEET)	QUANTITY	TOTAL LENGTH	LENGTH (FEET)	QUANTITY	TOTAL LENGTH
			636-1033			636-1036			636-2070			636-2080		
100+52 RT		W2-6	0	0	0	36X36	1	9	0	0	0	14.5	1	14.5
		W13-1P	0	0	0	18X18	1	2.25	0	0	0	0	0	0
102+26 RT		R4-7	24X30	1	5	0	0	0	12.5	1	12.5	0	0	0
102+63 RT		R1-2	0	0	0	36 TRI	1	4.5	13	1	13	0	0	0
102+64 LT		D1-1d	0	0	0	48X12	1	4	11	1	11	0	0	0
102+67 RT		R1-2	0	0	0	36 TRI	1	4.5	13	1	13	0	0	0
103+60 LT		R1-2	0	0	0	36 TRI	1	4.5	13	1	13	0	0	0
103+64 RT		R1-2	0	0	0	36 TRI	1	4.5	13	1	13	0	0	0
103+65 RT		D1-1d	0	0	0	48X12	1	4	11	1	11	0	0	0
103+79 RT		R4-7	24X30	1	5	0	0	0	12.5	1	12.5	0	0	0
106+XX		W2-6	0	0	0	36X36	1	9	0	0	0	14.5	1	14.5
		W13-1P	0	0	0	18X18	1	2.25	0	0	0	0	0	0
200+50 LT		R1-2	0	0	0	36 TRI	1	4.5	13	1	13	0	0	0
200+50 RT		D1-1d	0	0	0	42X12	1	3.5	11	1	11	0	0	0
200+64 LT		R1-2	0	0	0	36 TRI	1	4.5	13	1	13	0	0	0
200+88 RT		MARTA BUS STOP	24X30	1	5	0	0	0	12.5	1	12.5	0	0	0
201+11 RT		R2-1	24X30	1	5	0	0	0	12.5	1	12.5	0	0	0
201+44 LT		MARTA BUS STOP	24X30	1	5	0	0	0	12.5	1	12.5	0	0	0
201+76 LT		R3-8	0	0	0	30X30	1	6.25	12.5	1	12.5	0	0	0
201+81 LT		R3-8	0	0	0	30X30	1	6.25	12.5	1	12.5	0	0	0
202+08 RT		R4-7	24X30	1	5	0	0	0	12.5	1	12.5	0	0	0
203+18 LT		W2-6	0	0	0	36X36	1	9	0	0	0	14.5	1	14.5
		W13-1P	0	0	0	18X18	1	2.25	0	0	0	0	0	0
TOTAL					30			85			211			44

PAVEMENT MARKING QUANTITIES			
ITEM	PAY ITEM	UNIT	QUANTITY
THERMOPLASTIC PAVEMENT MARKING, ARROW, TP 2	653-0120	EA	5
THERMOPLASTIC PAVEMENT MARKING, ARROW, TP 2A	653-0122	EA	2
THERMOPLASTIC PVMT MARKING, WORD, TP 1	653-0210	EA	1
THERMOPLASTIC PVMT MARKING, WORD, TP 15	653-0296	EA	4
THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE	653-1704	LF	161
THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE	653-1804	LF	397
THERMOPLASTIC SOLID TRAF STRIPE, 6 IN, WHITE	653-1906	LF	374
THERMOPLASTIC SOLID TRAF STRIPE, 6 IN, YELLOW	653-2602	LF	565
THERMOPLASTIC SKIP TRAF STRIPE, 6 IN, WHITE	653-2611	GLF	210
THERMOPLASTIC SKIP TRAF STRIPE, 18 IN, WHITE	653-4830	GLF	89
THERMOPLASTIC TRAF STRIPING, WHITE	653-6004	SY	35
THERMOPLASTIC TRAF STRIPING, YELLOW	653-6006	SY	163
RAISED PVMT MARKERS TP 1	654-1001	EA	25
REMOVE EXIST SOLID TRAF STRIPE, 5 IN, THERMOPLASTIC	656-0050	LF	75
PREFORMED PLASTIC PAVEMENT MARKING, CONTRAST (BLACK-YELLOW), TP PB	657-4999	SY	2
PREFORMED PLASTIC SOLID PVMT MKG, 8 IN, CONTRAST (BLACK-YELLOW), TP PB	657-6085	LF	34

	SIGNING QUANTITIES (CONT)		
PAY ITEM	ITEM	UNIT	QUANTITY
610-9001	REM SIGN	EA	4
611-5551	RESET SIGN	EA	4

LIGHTING AND RRFB QUANTITIES			
PAY ITEM	ITEM	UNIT	QUANTITY
682-2120	PULL BOX, TYPE 2	EA	10
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	457
682-6233	CONDUIT, NONMETL, TP 3, 2 IN	LF	170
682-9950	DIRECTIONAL BORE - 3"	LF	334
647-1040	FLASHING BEACON INSTALLATION	EA	6

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Peachtree Corners, Georgia 30092

NOT TO SCALE

REVISION DATES

SUMMARY OF QUANTITIES
IDLEWOOD RD AT SARR PKWY

CHECKED:		DATE:		DRAWING No.:
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

06-0002

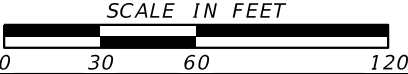
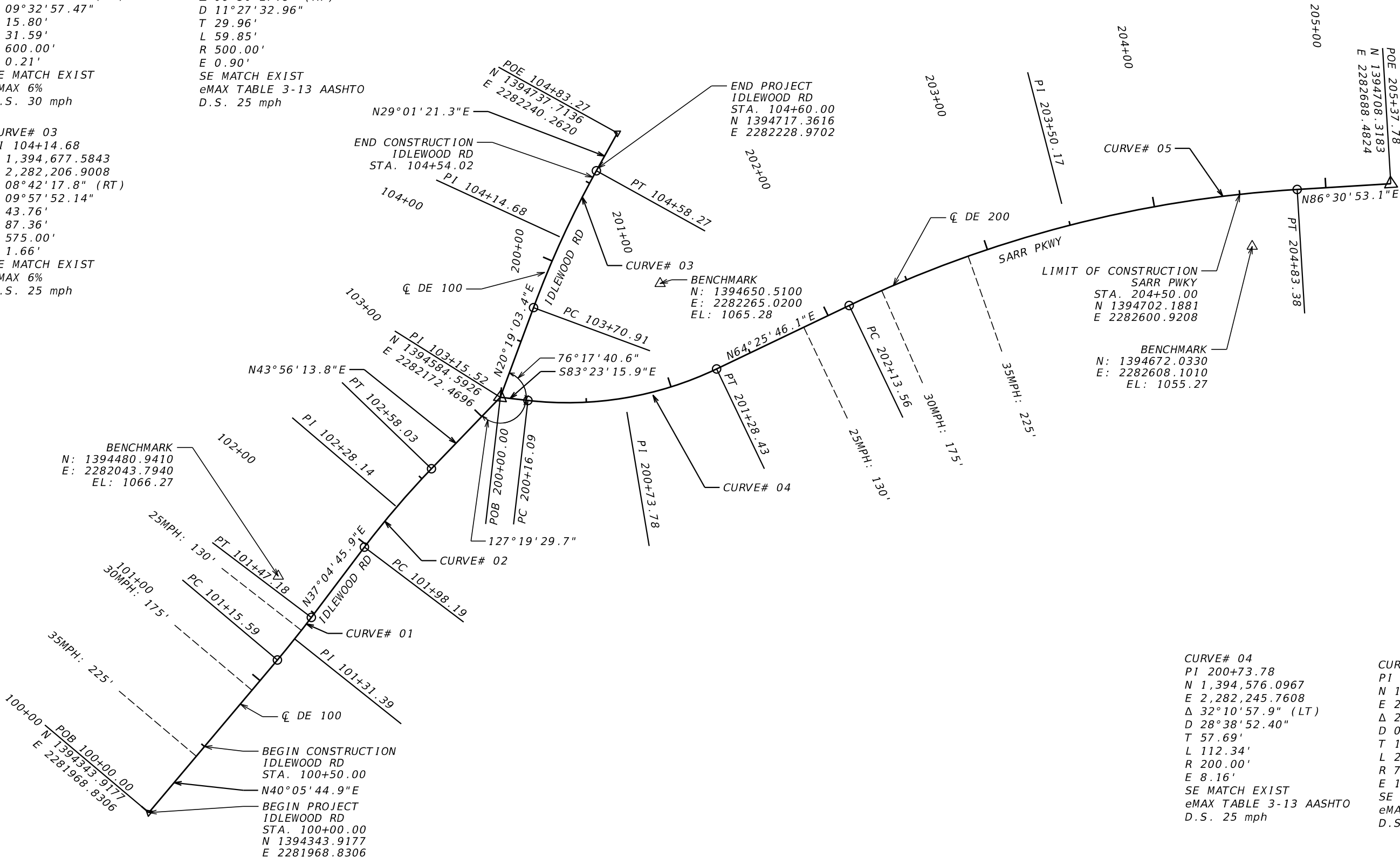
CURVE# 01
PI 101+31.39
N 1,394,444.4280
E 2,282,053.4554
Δ 03°00'58.9" (LT)
D 09°32'57.47"
T 15.80'
L 31.59'
R 600.00'
E 0.21'
SE MATCH EXIST
eMAX 6%
D.S. 30 mph

CURVE# 02
PI 102+28.14
N 1,394,521.6239
E 2,282,111.7947
Δ 06°51'27.8" (RT)
D 11°27'32.96"
T 29.96'
L 59.85'
R 500.00'
E 0.90'
SE MATCH EXIST
eMAX TABLE 3-13 AASHTO
D.S. 25 mph

CURVE# 03
PI 104+14.68
N 1,394,677.5843
E 2,282,206.9008
Δ 08°42'17.8" (RT)
D 09°57'52.14"
T 43.76'
L 87.36'
R 575.00'
E 1.66'
SE MATCH EXIST
eMAX 6%
D.S. 25 mph

CURVE# 04
PI 200+73.78
N 1,394,576.0967
E 2,282,245.7608
Δ 32°10'57.9" (LT)
D 28°38'52.40"
T 57.69'
L 112.34'
R 200.00'
E 8.16'
SE MATCH EXIST
eMAX TABLE 3-13 AASHTO
D.S. 25 mph

CURVE# 05
PI 203+50.17
N 1,394,696.7065
E 2,282,497.8255
Δ 22°05'07.0" (RT)
D 08°11'06.40"
T 136.61'
L 269.82'
R 700.00'
E 13.21'
SE MATCH EXIST
eMAX TABLE 3-13 AASHTO
D.S. 35 mph



REVISION DATES

CONSTRUCTION LAYOUT
IDLEWOOD RD AT SARR PWKY

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

CURVE# 14
PI 301+23.45
N 1,394,710.2111
E 2,282,158.7580
Δ 155°19'31.0" (LT)
D 212°12'23.73"
T 123.45'
L 73.20'
R 27.00'
E 99.36'

CURVE# 15
PI 300+92.85
N 1,394,567.9256
E 2,282,143.5319
Δ 66°27'12.7" (LT)
D 190°59'09.35"
T 19.65'
L 34.79'
R 30.00'
E 5.86'

CURVE# 16
PI 301+26.08
N 1,394,549.2542
E 2,282,176.3269
Δ 71°46'03.6" (LT)
D 229°10'59.22"
T 18.09'
L 31.31'
R 25.00'
E 5.86'

CURVE# 17
PI 301+58.96
N 1,394,574.5610
E 2,282,204.3216
Δ 66°27'12.7" (LT)
D 190°59'09.35"
T 19.65'
L 34.79'
R 30.00'
E 5.86'

CURVE# 08
PI 40+21.52
N 1,394,642.1783
E 2,282,199.9810
Δ 07°51'23.3" (RT)
D 38°11'49.87"
T 10.30'
L 20.57'
R 150.00'
E 0.35'

CURVE# 09
PI 50+12.65
N 1,394,585.4253
E 2,282,230.2657
Δ 21°45'39.6" (LT)
D 88°08'50.47"
T 12.49'
L 24.69'
R 65.00'
E 1.19'

CURVE# 10
PI 50+51.83
N 1,394,590.1438
E 2,282,269.4560
Δ 21°02'03.6" (LT)
D 56°43'42.58"
T 18.75'
L 37.08'
R 101.00'
E 1.73'

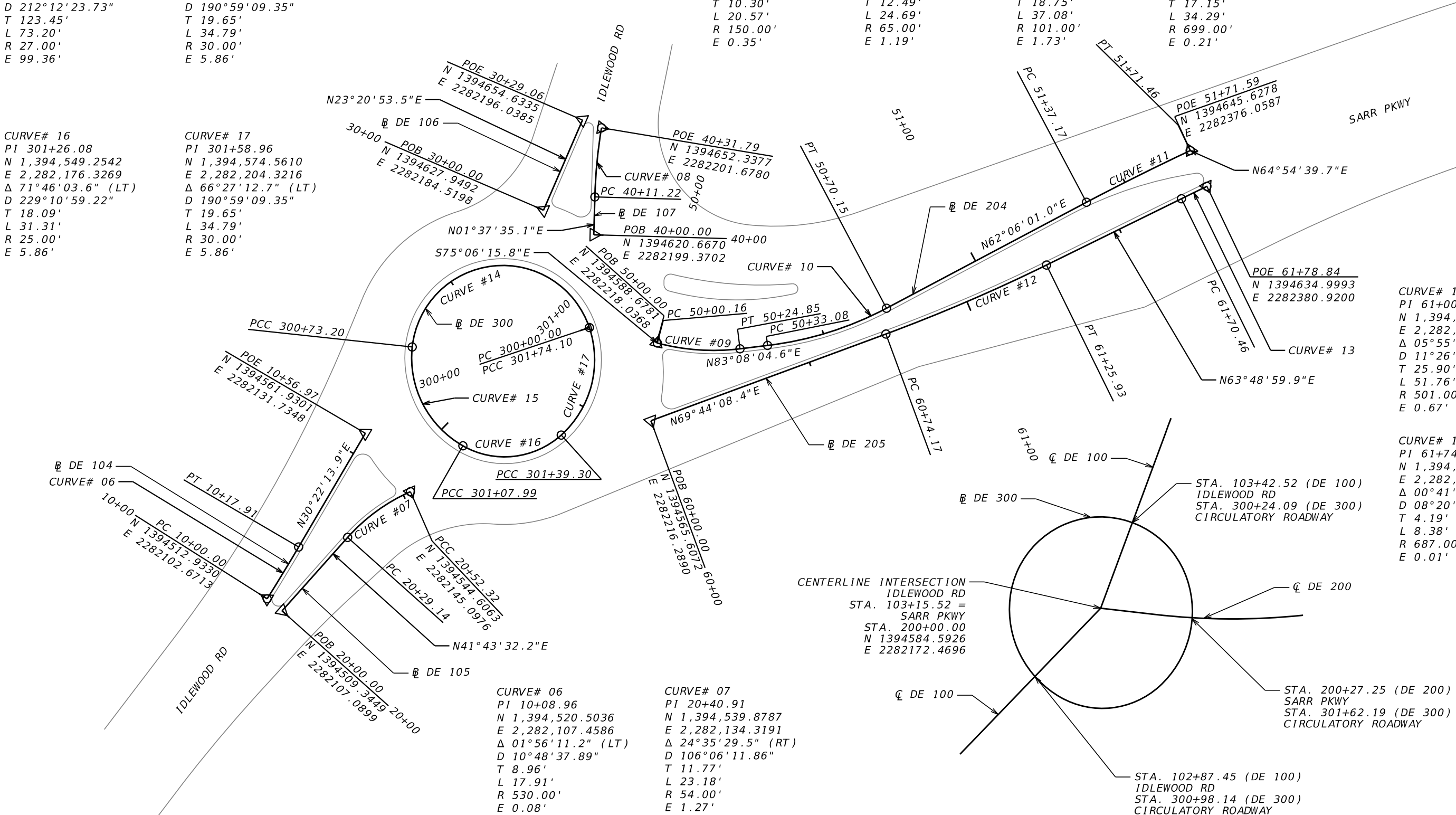
CURVE# 11
PI 51+54.32
N 1,394,638.3018
E 2,282,360.4116
Δ 02°48'38.8" (RT)
D 08°11'48.56"
T 17.15'
L 34.29'
R 699.00'
E 0.21'

CURVE# 12
PI 61+00.08
N 1,394,600.2685
E 2,282,310.1701
Δ 05°55'08.5" (LT)
D 11°26'10.62"
T 25.90'
L 51.76'
R 501.00'
E 0.67'

CURVE# 13
PI 61+74.65
N 1,394,633.1966
E 2,282,377.1378
Δ 00°41'55.9" (RT)
D 08°20'23.99"
T 4.19'
L 8.38'
R 687.00'
E 0.01'

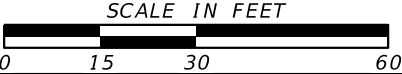
CURVE# 06
PI 10+08.96
N 1,394,520.5036
E 2,282,107.4586
Δ 01°56'11.2" (LT)
D 10°48'37.89"
T 8.96'
L 17.91'
R 530.00'
E 0.08'

CURVE# 07
PI 20+40.91
N 1,394,539.8787
E 2,282,134.3191
Δ 24°35'29.5" (RT)
D 106°06'11.86"
T 11.77'
L 23.18'
R 54.00'
E 1.27'



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REVISION DATES

CONSTRUCTION LAYOUT
IDLEWOOD RD AT SARR PWKY

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

DRAWING No.

11-0002

CURVE# 25
PI 2002+04.32
N 1,394,632.2783
E 2,282,173.8983
Δ 48°42'17.5" (LT)
D 163°42'24.86"
T 15.84'
L 29.75'
R 35.00'
E 3.42'

CURVE# 24
PI 2001+70.23
N 1,394,621.1127
E 2,282,138.8652
Δ 49°52'56.9" (RT)
D 127°19'26.24"
T 20.93'
L 39.18'
R 45.00'
E 4.63'

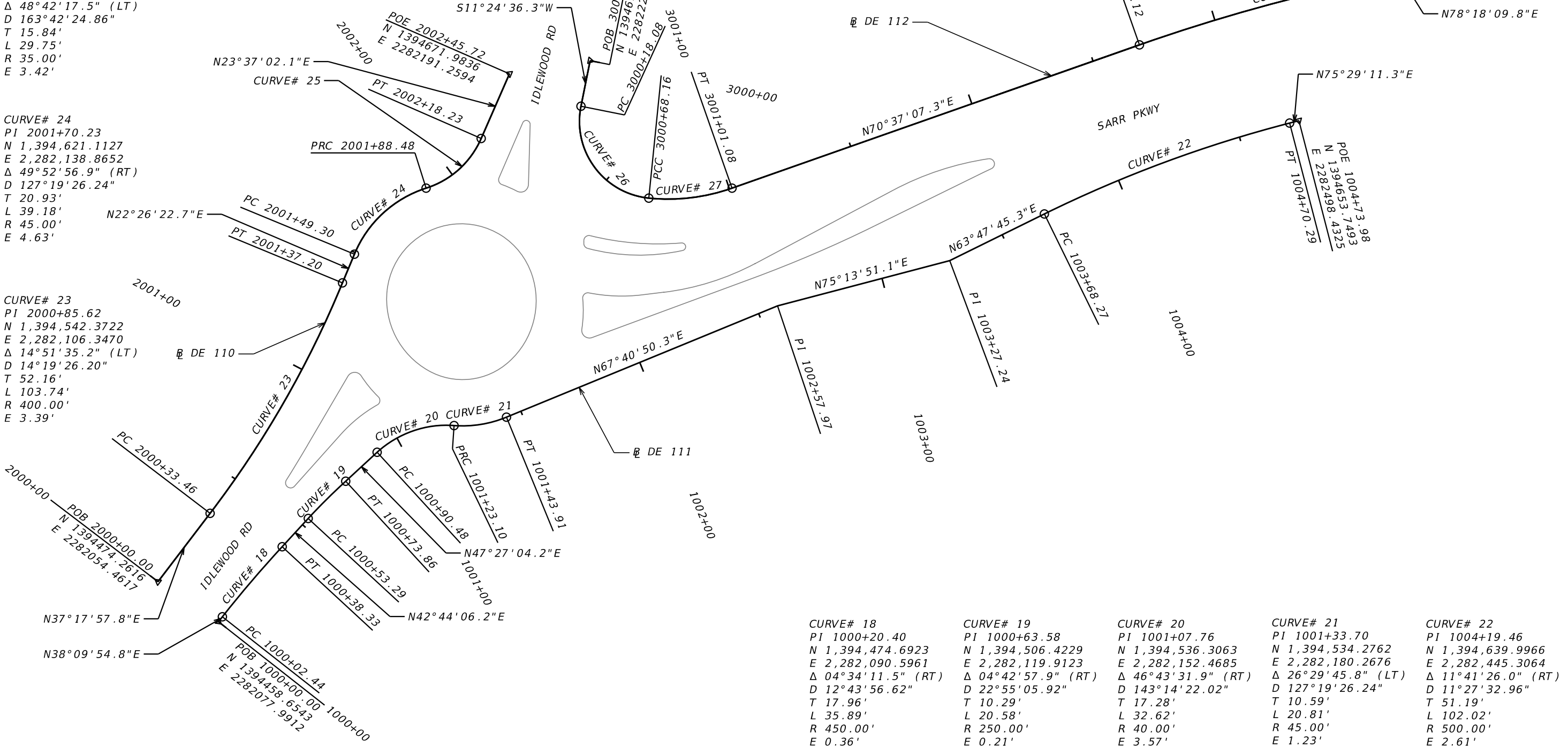
CURVE# 23
PI 2000+85.62
N 1,394,542.3722
E 2,282,106.3470
Δ 14°51'35.2" (LT)
D 14°19'26.20"
T 52.16'
L 103.74'
R 400.00'
E 3.39'

CURVE# 26
PI 3000+51.20
N 1,394,626.9212
E 2,282,212.5024
Δ 95°38'45.3" (LT)
D 190°59'09.35"
T 33.11'
L 50.08'
R 30.00'
E 14.68'

CURVE# 27
PI 3000+84.89
N 1,394,621.9157
E 2,282,262.0894
Δ 25°08'43.6" (LT)
D 76°23'43.41"
T 16.73'
L 32.91'
R 75.00'
E 1.84'

CURVE# 28
PI 3003+16.87
N 1,394,699.0775
E 2,282,481.4309
Δ 07°41'02.4" (RT)
D 08°03'30.52"
T 47.75'
L 95.35'
R 711.00'
E 1.60'

POE 3003+83.13
N 1394712.5390
E 2282546.4493
PT 3003+64.48



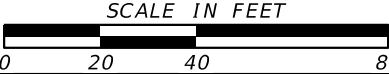
CURVE# 18
PI 1000+20.40
N 1,394,474.6923
E 2,282,090.5961
Δ 04°34'11.5" (RT)
D 12°43'56.62"
T 17.96'
L 35.89'
R 450.00'
E 0.36'

CURVE# 19
PI 1000+63.58
N 1,394,506.4229
E 2,282,119.9123
Δ 04°42'57.9" (RT)
D 22°55'05.92"
T 10.29'
L 20.58'
R 250.00'
E 0.21'

CURVE# 20
PI 1001+07.76
N 1,394,536.3063
E 2,282,152.4685
Δ 46°43'31.9" (RT)
D 143°14'22.02"
T 17.28'
L 32.62'
R 40.00'
E 3.57'

CURVE# 21
PI 1001+33.70
N 1,394,534.2762
E 2,282,180.2676
Δ 26°29'45.8" (LT)
D 127°19'26.24"
T 10.59'
L 20.81'
R 45.00'
E 1.23'

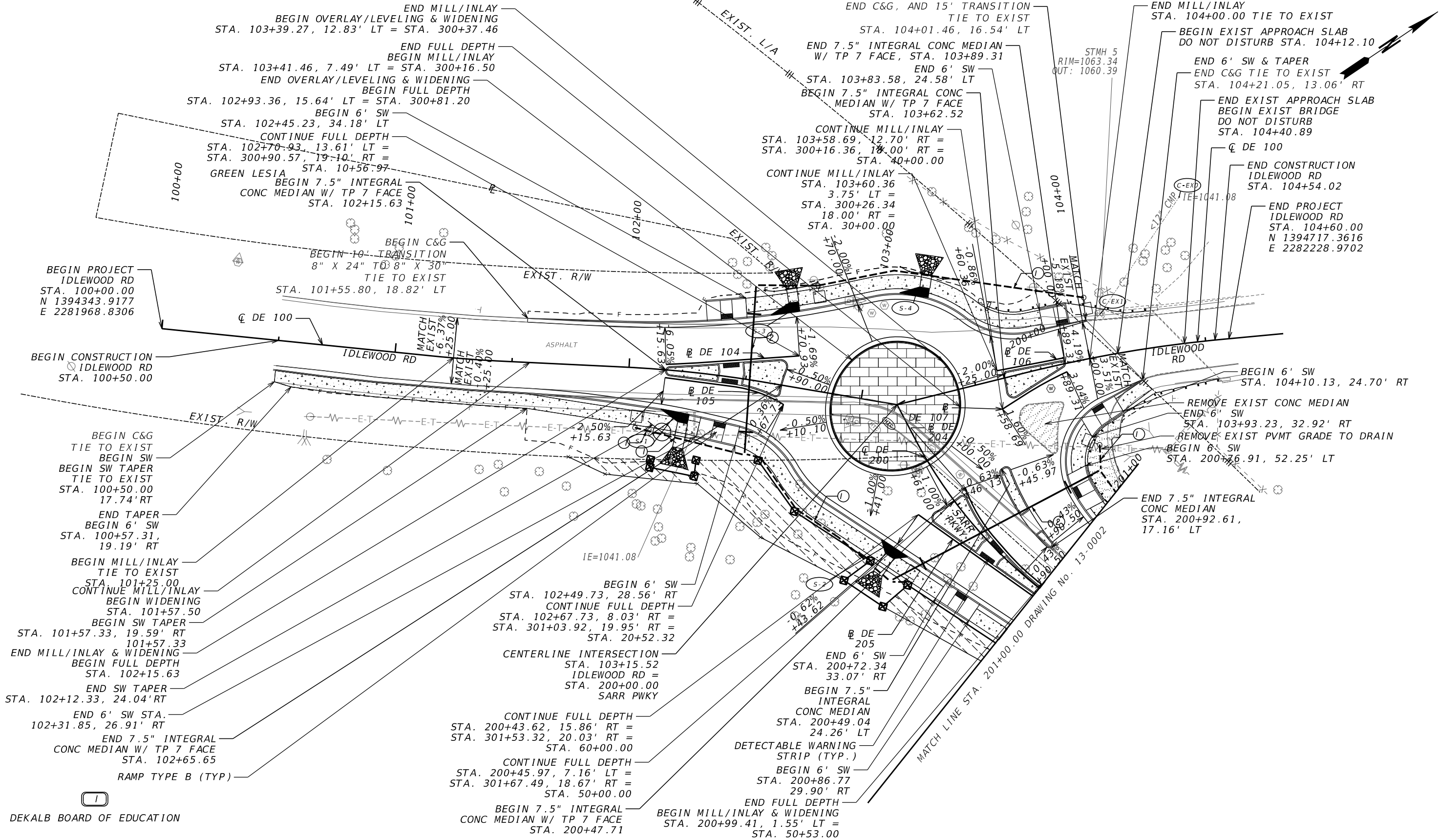
CURVE# 22
PI 1004+19.46
N 1,394,639.9966
E 2,282,445.3064
Δ 11°41'26.0" (RT)
D 11°27'32.96"
T 51.19'
L 102.02'
R 500.00'
E 2.61'



REVISION DATES

CONSTRUCTION LAYOUT
IDLEWOOD RD AT SARR PWKY

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
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

-----#-----

---C---F---

-----#-----

---C---F---

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---C---F---

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

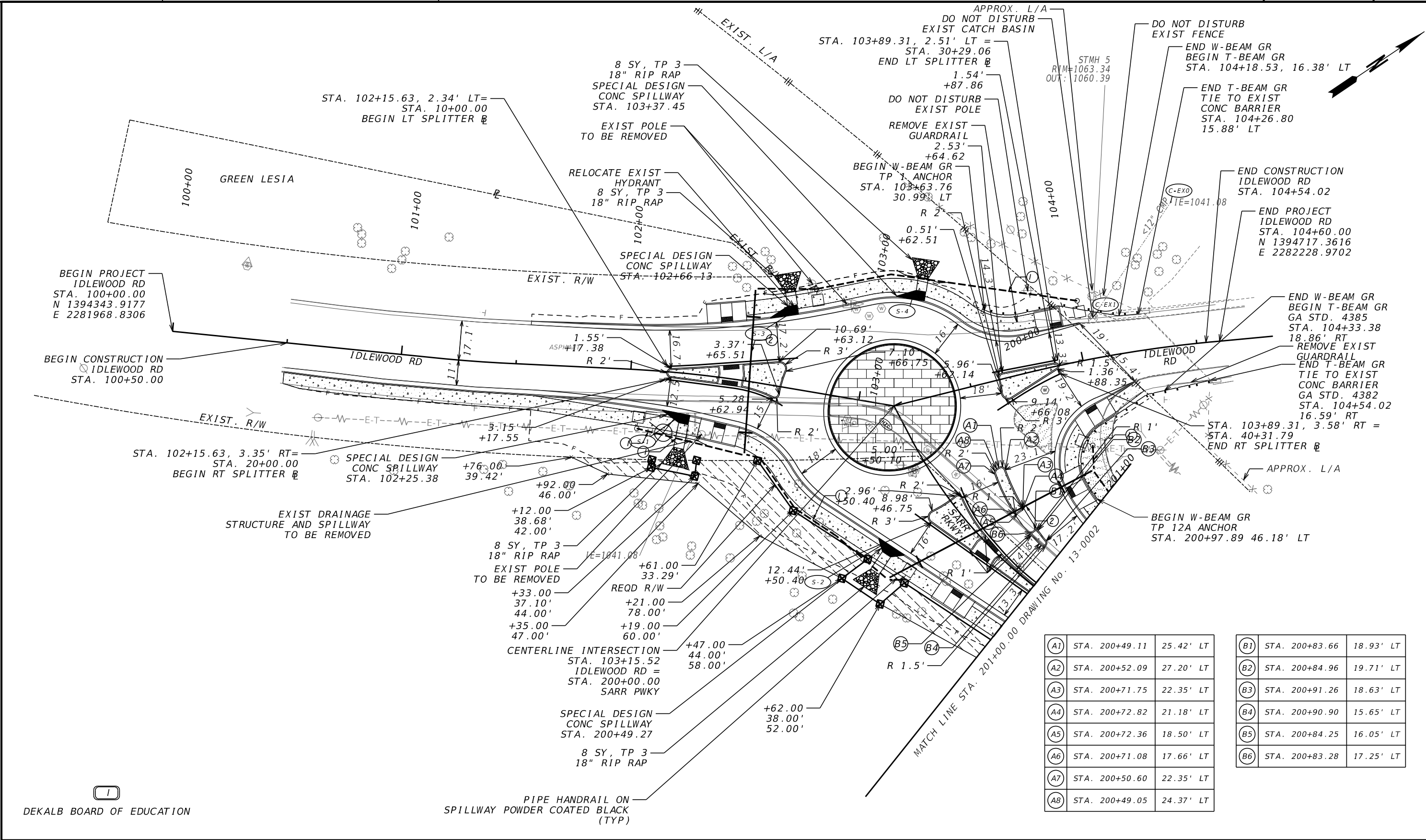
REVISION DATES

CONSTRUCTION PLAN
IDLEWOOD RD AT SARR PKWY

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

13-0001

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

-----#-----

-----C-----F-----

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

CONSTRUCTION PLAN

IDLEWOOD RD AT SARR PKWY

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

DRAWING No.

13-0001A

GPLN-CE
11/05/2020

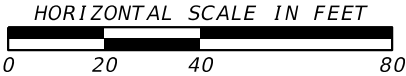
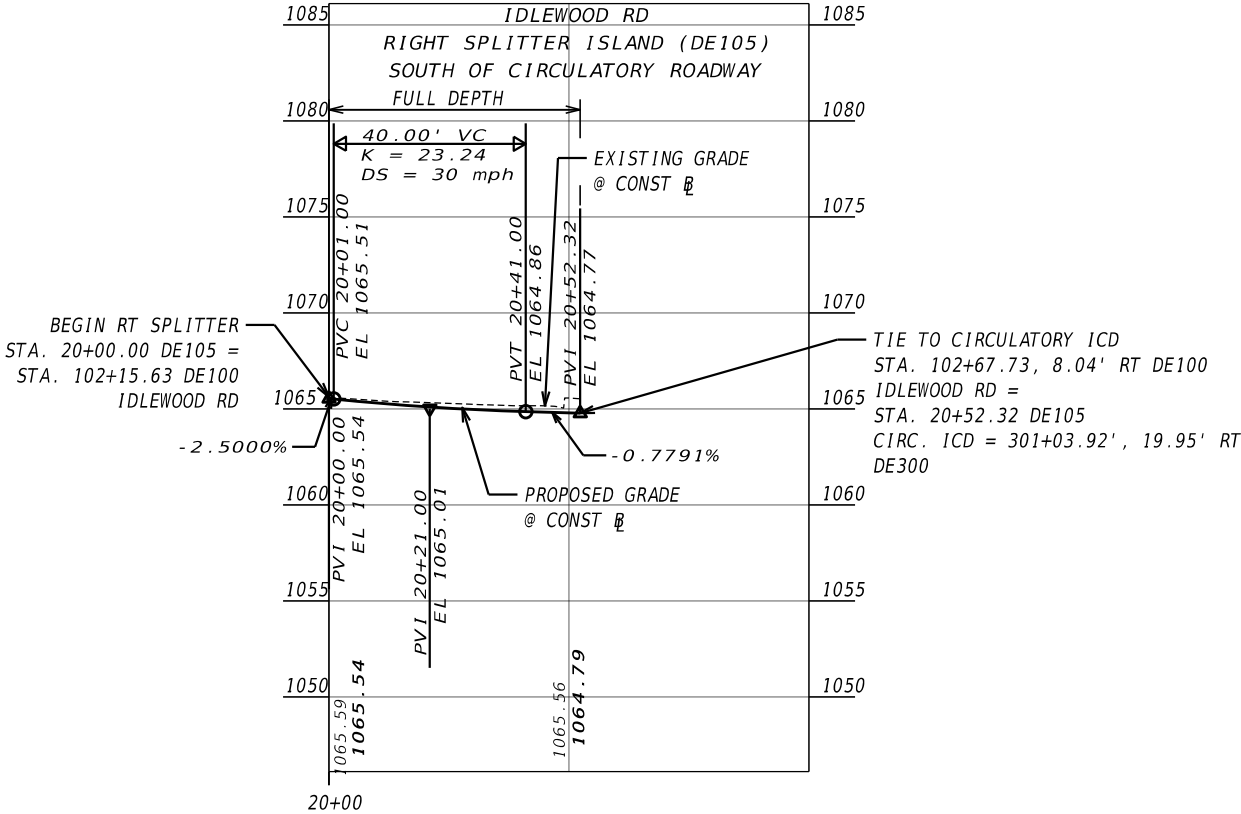
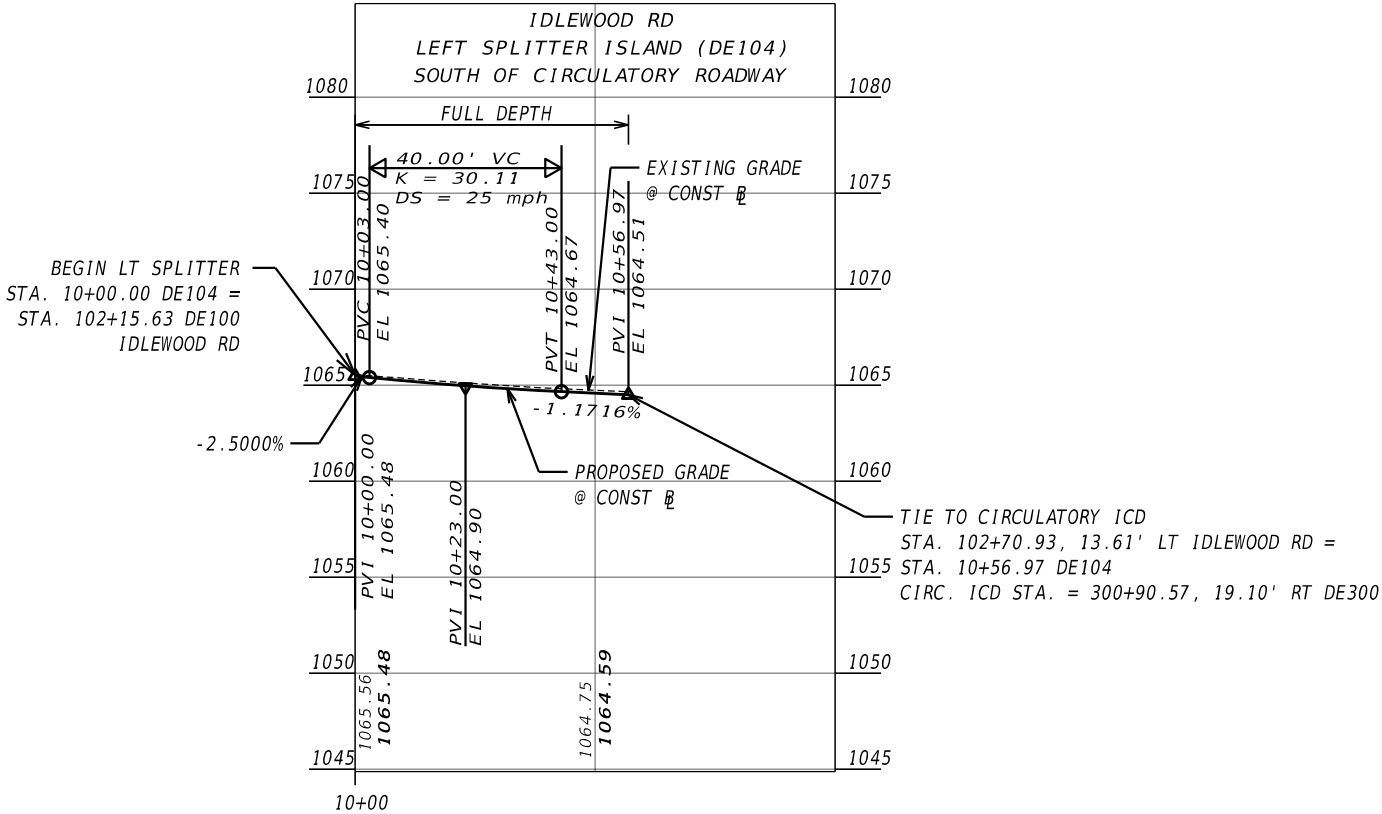
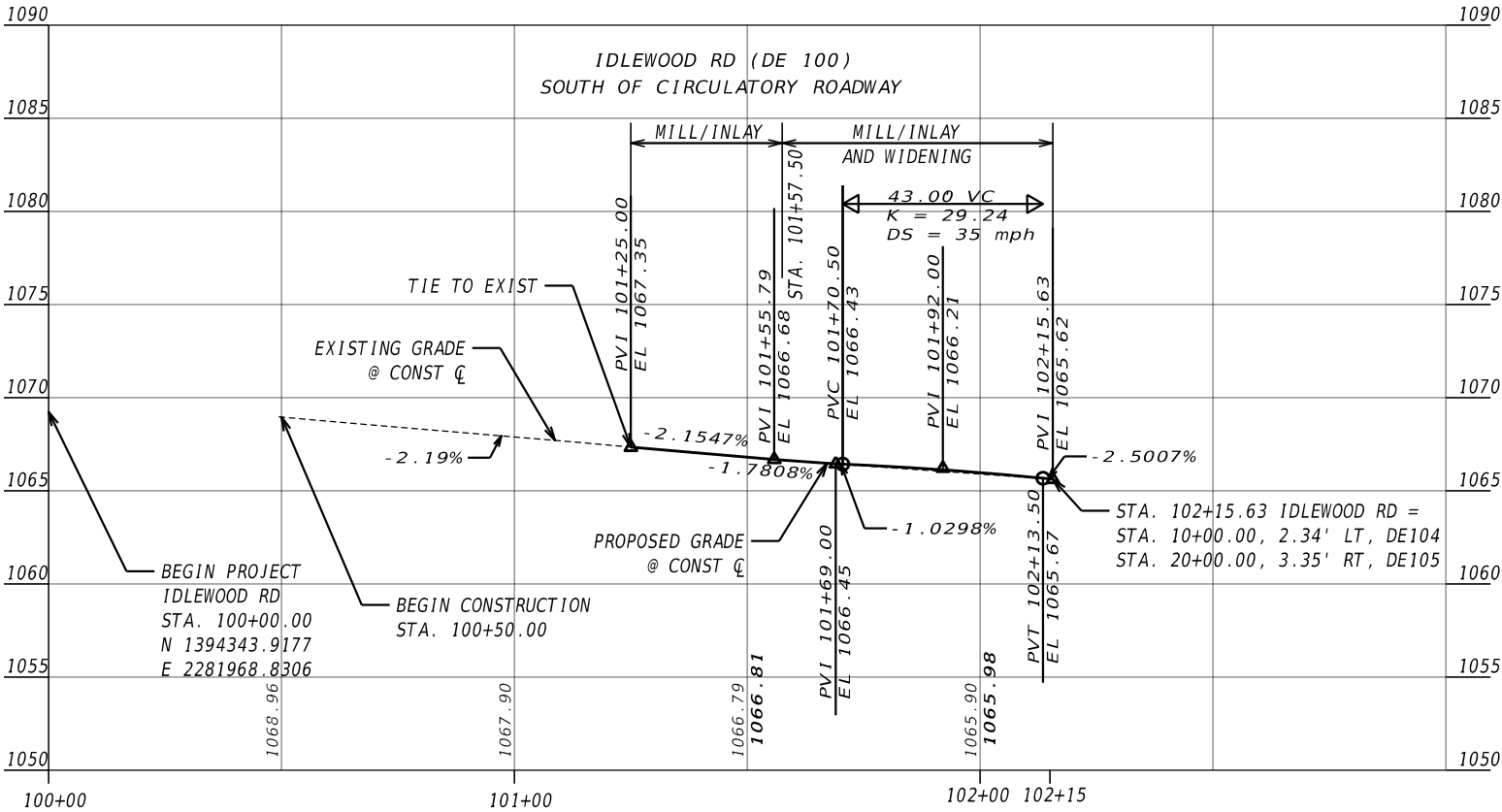


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CONSTRUCTION PLAN
IDLEWOOD RD AT SARR PKWY

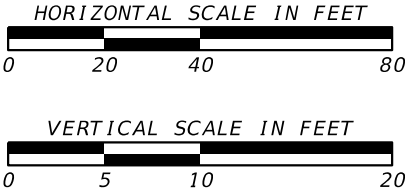
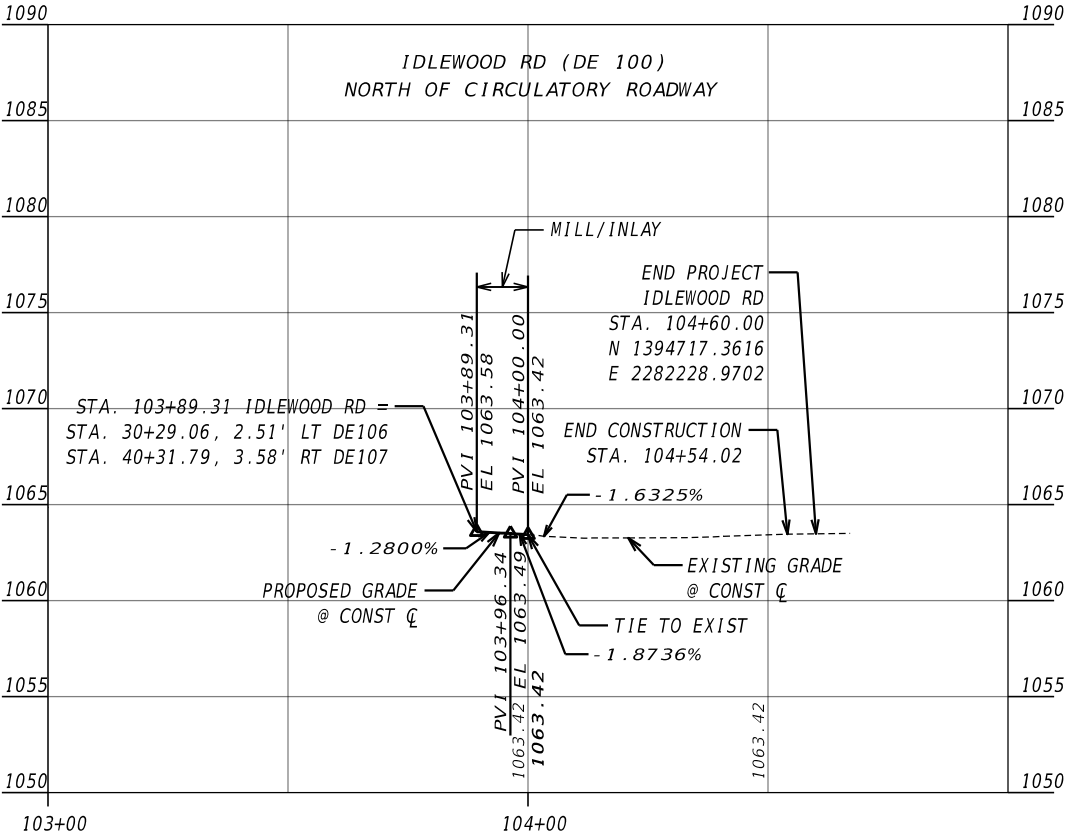
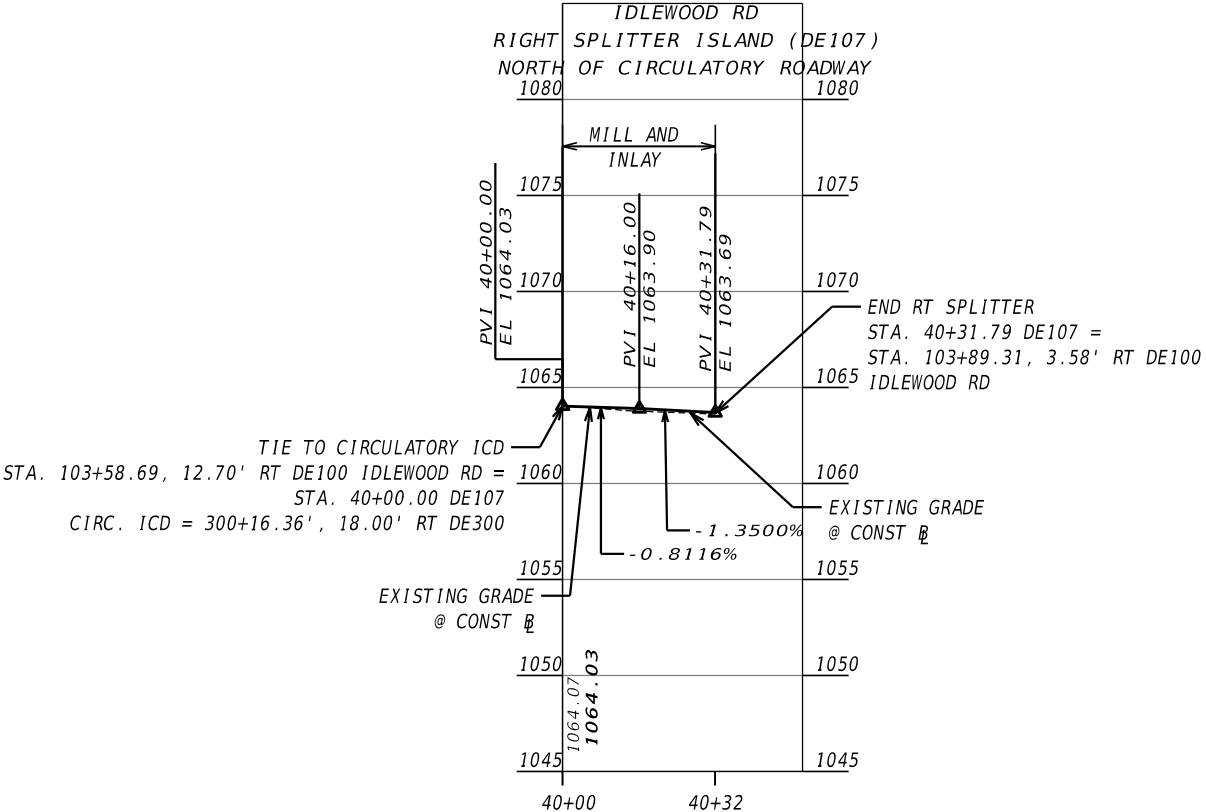
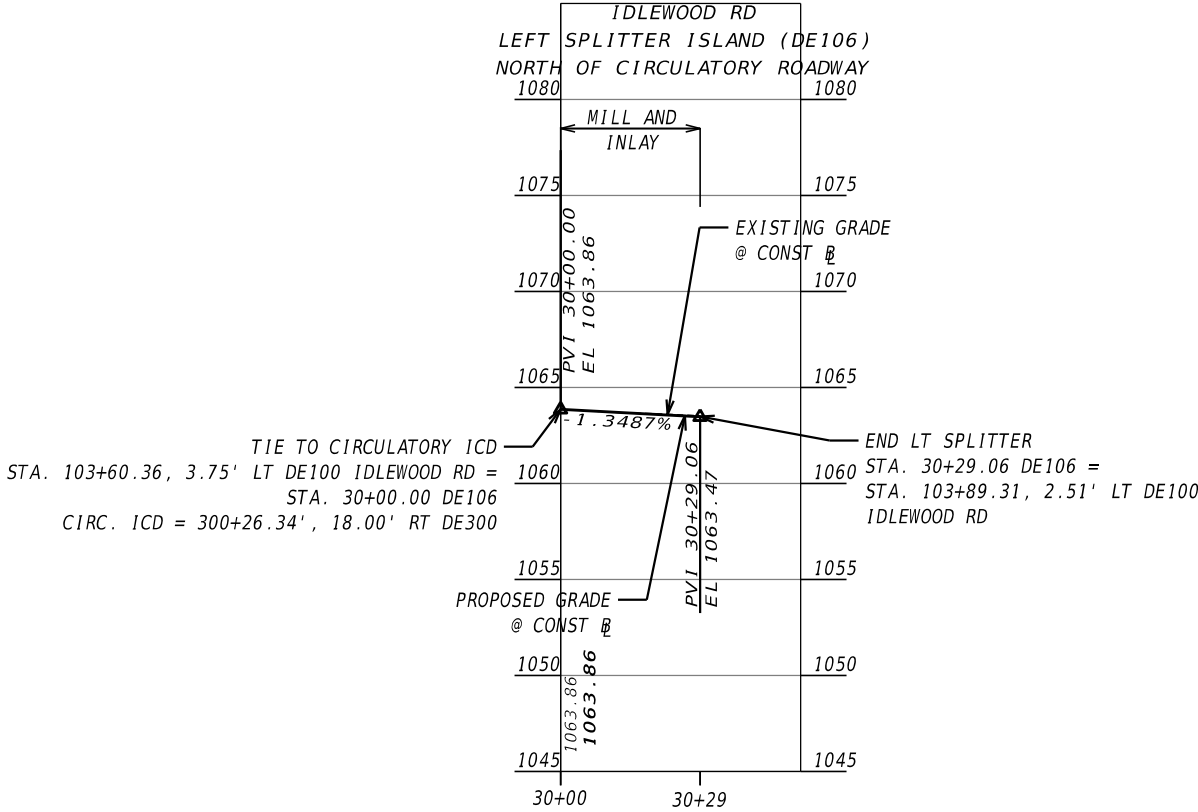
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BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	



REVISION DATES

MAINLINE PROFILE
IDLEWOOD RD @ SARR PKWY

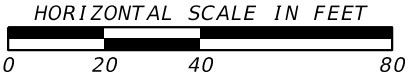
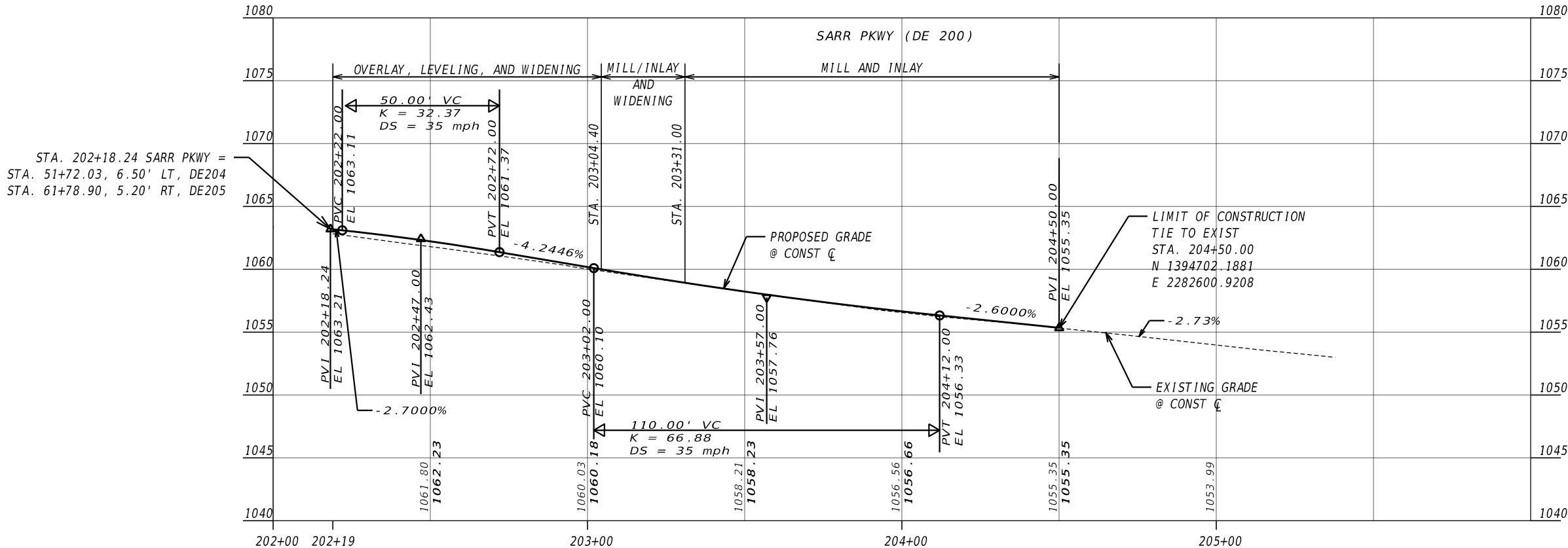
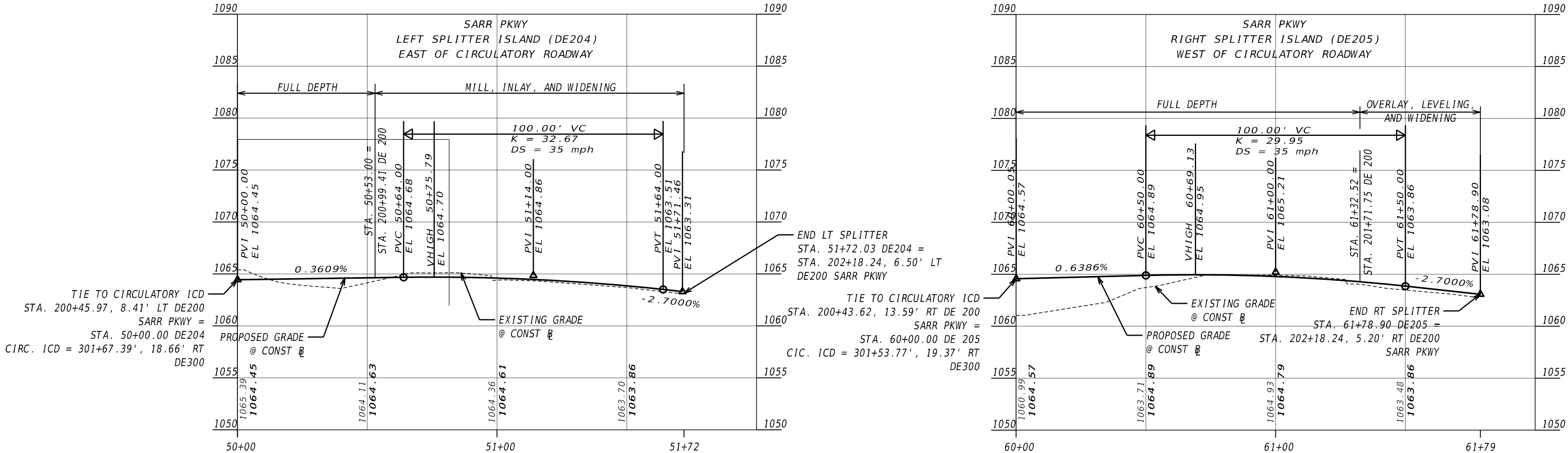
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		



REVISION DATES

MAINLINE PROFILE
Idlewood Rd @ SARR PKWY

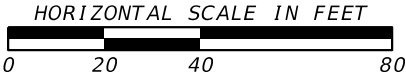
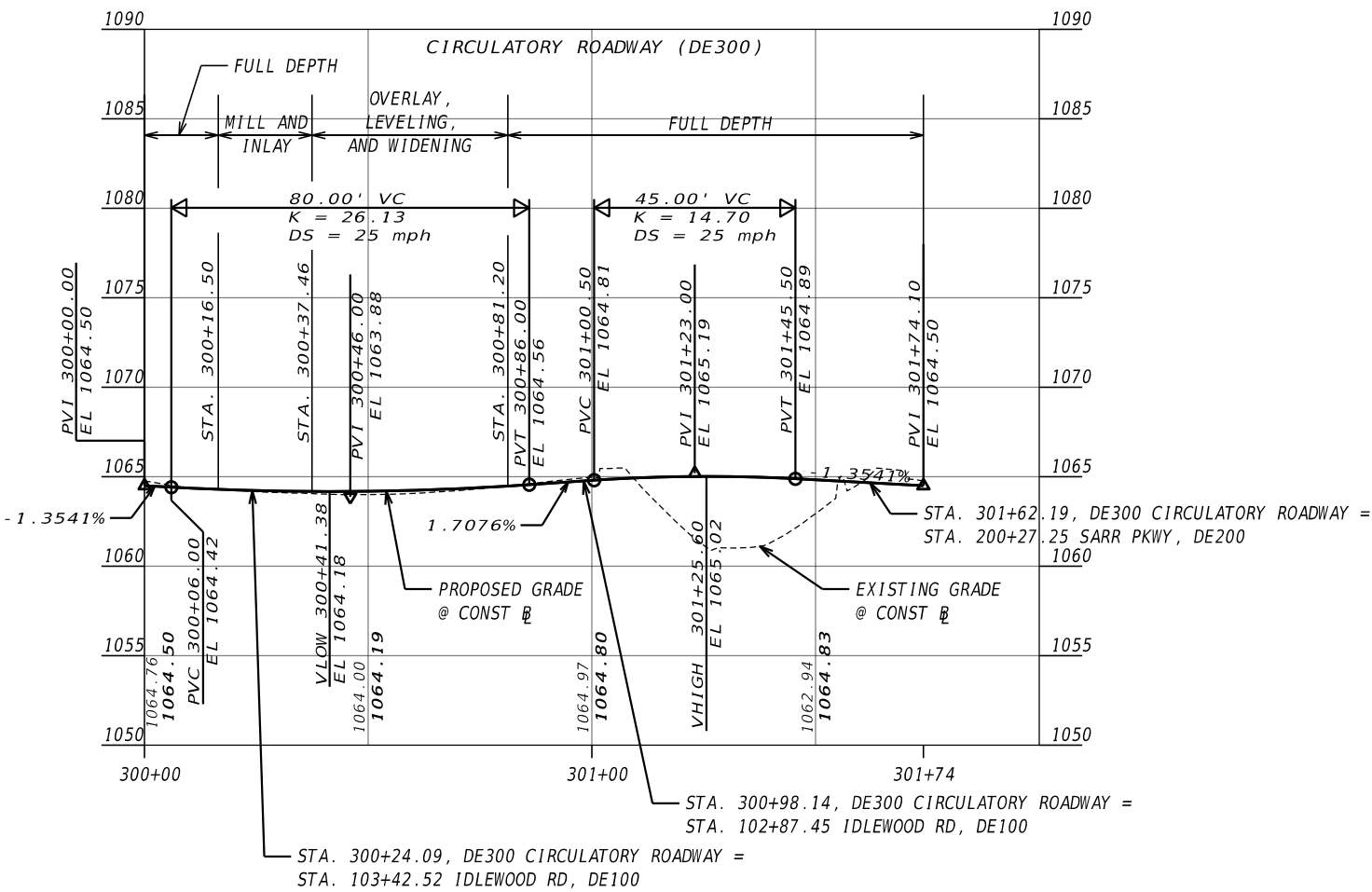
CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		



REVISION DATES

SIDEROAD PROFILES
IDLWOOD RD @ SARR PKWY

CHECKED:		DATE:		DRAWING No.:
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		



REVISION DATES

SIDEROAD PROFILES
IDLEWOOD RD @ SARR PKWY

CHECKED:		DATE:		DRAWING No.:
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		



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Peachtree Corners, Georgia 30092

CHECKED:	DATE:	DRAWING No. 18-0001
BACKCHECKED:	DATE:	
CORRECTED:	DATE:	
VERIFIED:	DATE:	

<i>Point</i>	<i>Alignment</i>	<i>Station</i>	<i>Offset</i>	<i>Northing</i>	<i>Easting</i>	<i>Elevation</i>
A1	IDLEWOOD RD	102+13.84	-18.00	1394521.3596	2282089.3455	1064.70
A2	IDLEWOOD RD	102+32.37	-20.58	1394537.7688	2282099.7208	1064.48
A3	IDLEWOOD RD	102+51.11	-24.96	1394555.2446	2282109.5986	1064.32
A4	IDLEWOOD RD	102+67.00	-29.91	1394570.4091	2282117.2657	1064.22
A5	IDLEWOOD RD	102+15.63	-2.34	1394512.9330	2282102.6713	1065.48
A6	IDLEWOOD RD	102+35.18	-5.45	1394529.9802	2282113.0119	1065.03
A7	IDLEWOOD RD	102+54.51	-9.64	1394547.2976	2282123.1600	1064.73
A8	IDLEWOOD RD	102+70.93	-13.61	1394561.9301	2282131.7348	1064.51
A9	IDLEWOOD RD	102+15.63	3.35	1394509.3449	2282107.0899	1065.54
A10	IDLEWOOD RD	102+35.77	3.87	1394524.2674	2282120.3974	1065.12
A11	IDLEWOOD RD	102+55.92	4.68	1394538.4374	2282134.4994	1064.90
A12	IDLEWOOD RD	102+67.73	8.04	1394544.6063	2282145.0976	1064.77
A13	IDLEWOOD RD	102+15.09	14.77	1394501.7350	2282115.6234	1065.25
A14	IDLEWOOD RD	102+35.69	16.75	1394515.6934	2282130.0120	1064.92
A15	IDLEWOOD RD	102+53.49	18.48	1394527.2158	2282142.8705	1064.81
A16	IDLEWOOD RD	102+62.40	20.98	1394531.7854	2282150.7210	1064.82
A17	IDLEWOOD RD	102+42.00	-6.83	1394536.0594	2282116.5744	1064.90
A18	IDLEWOOD RD	102+43.42	3.86	1394529.9359	2282125.4524	1065.00

Point	Alignment	Station	Offset	Northing	Easting	Elevation
B1	IDLEWOOD RD	103+61.16	-18.88	1394633.9523	2282170.6130	1063.73
B2	IDLEWOOD RD	103+80.72	-14.40	1394650.9359	2282181.7745	1063.28
B3	IDLEWOOD RD	103+89.56	-14.93	1394659.5569	2282184.6328	1063.00
B4	IDLEWOOD RD	103+60.36	-3.75	1394627.9492	2282184.5198	1063.86
B5	IDLEWOOD RD	103+80.29	-2.77	1394646.3115	2282192.4462	1063.59
B6	IDLEWOOD RD	103+89.31	-2.51	1394654.6335	2282196.0385	1063.47
B7	IDLEWOOD RD	103+58.69	12.70	1394620.6670	2282199.3702	1064.03
B8	IDLEWOOD RD	103+77.79	6.50	1394640.6466	2282200.1945	1063.85
B9	IDLEWOOD RD	103+89.31	3.58	1394652.3377	2282201.6780	1063.69
B10	IDLEWOOD RD	103+84.23	27.81	1394638.7183	2282222.3227	1064.39
B11	IDLEWOOD RD	103+93.24	20.42	1394649.4909	2282218.7216	1064.21

Point	Alignment	Station	Offset	Northing	Easting	Elevation
C1	SARR PKWY	200+62.49	-48.04	1394630.4798	2282229.1559	1064.57
C2	SARR PKWY	200+70.55	-42.79	1394626.1325	2282236.0468	1064.70
C3	SARR PKWY	200+88.55	-36.88	1394623.2341	2282251.3483	1064.90
C4	SARR PKWY	201+04.55	-33.95	1394624.1541	2282264.8020	1065.00
C5	SARR PKWY	201+25.18	-32.04	1394628.7450	2282281.5026	1065.04
C6	SARR PKWY	201+45.55	-29.91	1394635.3707	2282300.3368	1064.97
C7	SARR PKWY	201+65.78	-27.72	1394642.1254	2282319.5379	1064.75
C8	SARR PKWY	201+86.09	-25.52	1394648.9031	2282338.8043	1064.39
C9	SARR PKWY	202+06.45	-23.31	1394655.7003	2282358.1260	1063.88
C10	SARR PKWY	202+18.26	-22.03	1394659.6923	2282369.4737	1063.52
C11	SARR PKWY	200+45.97	-7.16	1394588.6781	2282218.0368	1064.45
C12	SARR PKWY	200+66.06	-3.34	1394586.5193	2282237.8407	1064.52
C13	SARR PKWY	200+86.29	-2.09	1394588.9650	2282257.6807	1064.59
C14	SARR PKWY	201+06.48	-2.11	1394594.6248	2282276.8291	1064.66
C15	SARR PKWY	201+26.71	-3.60	1394603.5245	2282294.7280	1064.70
C16	SARR PKWY	201+46.73	-4.42	1394612.8830	2282312.4034	1064.61
C17	SARR PKWY	201+66.71	-5.23	1394622.2415	2282330.0787	1064.40
C18	SARR PKWY	201+86.69	-6.04	1394631.5950	2282347.7567	1064.07
C19	SARR PKWY	202+06.69	-6.49	1394640.6273	2282365.6002	1063.62
C20	SARR PKWY	202+18.24	-6.50	1394645.6278	2282376.0587	1063.31
C21	SARR PKWY	200+44.06	15.86	1394565.6072	2282216.2890	1064.57
C22	SARR PKWY	200+61.64	10.20	1394572.5343	2282235.0511	1064.70
C23	SARR PKWY	200+80.49	6.34	1394579.4613	2282253.8132	1064.83
C24	SARR PKWY	200+99.89	4.37	1394586.3884	2282272.5753	1064.95
C25	SARR PKWY	201+19.47	4.31	1394593.3471	2282291.3255	1064.95
C26	SARR PKWY	201+39.24	5.33	1394600.8628	2282309.8582	1064.81
C27	SARR PKWY	201+59.24	5.75	1394609.1121	2282328.0762	1064.54
C28	SARR PKWY	201+79.23	5.57	1394617.9054	2282346.0393	1064.13
C29	SARR PKWY	201+99.23	5.36	1394626.7303	2282363.9871	1063.59
C30	SARR PKWY	202+18.24	5.19	1394635.0528	2282381.0322	1063.08
C31	SARR PKWY	200+47.95	30.39	1394551.2413	2282221.5930	1064.51
C32	SARR PKWY	200+64.72	24.41	1394558.8292	2282240.0763	1064.64
C33	SARR PKWY	200+82.34	20.08	1394566.4418	2282258.6200	1064.76
C34	SARR PKWY	201+00.45	17.52	1394574.0230	2282277.0870	1064.88
C35	SARR PKWY	201+18.99	16.79	1394581.6529	2282295.7233	1064.87
C36	SARR PKWY	201+38.64	20.45	1394586.9568	2282315.8417	1064.68
C37	SARR PKWY	201+59.27	24.39	1394592.3115	2282336.1525	1064.33
C38	SARR PKWY	201+79.42	28.23	1394597.5411	2282355.9893	1063.81
C39	SARR PKWY	201+99.50	29.36	1394605.1914	2282374.5856	1063.17
C40	SARR PKWY	202+18.37	29.14	1394613.4351	2282391.3361	1062.58
C41	SARR PKWY	200+74.84	-2.84	1394587.3748	2282246.4579	1064.55
C42	SARR PKWY	200+75.40	7.19	1394577.6147	2282248.8116	1064.79

Point	Alignment	Station	Offset	Northing	Easting	Elevation
D1	CIRCULATORY ROADWAY	300+24.09	20.00	1394628.6684	2282188.7891	1063.85
D2	CIRCULATORY ROADWAY	300+40.00	18.28	1394628.6337	2282161.9375	1063.83
D3	CIRCULATORY ROADWAY	300+50.00	18.00	1394621.6025	2282146.8714	1063.92
D4	CIRCULATORY ROADWAY	300+60.00	18.00	1394609.8275	2282135.2110	1064.00
D5	CIRCULATORY ROADWAY	300+70.00	18.63	1394594.7713	2282127.9868	1064.09
D6	CIRCULATORY ROADWAY	300+80.00	25.07	1394577.8857	2282120.7543	1064.18
D7	CIRCULATORY ROADWAY	300+99.14	21.76	1394548.6832	2282137.8683	1064.67
D8	CIRCULATORY ROADWAY	301+20.00	20.00	1394534.9544	2282171.4452	1064.90
D9	CIRCULATORY ROADWAY	301+30.00	20.00	1394537.9075	2282189.0799	1064.85
D10	CIRCULATORY ROADWAY	301+40.00	23.21	1394544.8662	2282206.0639	1064.69
D11	CIRCULATORY ROADWAY	301+63.16	20.36	1394581.5892	2282219.9494	1064.46
D12	CIRCULATORY ROADWAY	300+00.00	0.00	1394593.1897	2282198.0644	1064.50
D13	CIRCULATORY ROADWAY	300+10.00	0.00	1394601.8710	2282193.2171	1064.38
D14	CIRCULATORY ROADWAY	300+20.00	0.00	1394608.2092	2282185.5562	1064.27
D15	CIRCULATORY ROADWAY	300+30.00	0.00	1394611.3447	2282176.1205	1064.20
D16	CIRCULATORY ROADWAY	300+40.00	0.00	1394610.8522	2282166.1898	1064.18
D17	CIRCULATORY ROADWAY	300+50.00	0.00	1394606.7986	2282157.1107	1064.19
D18	CIRCULATORY ROADWAY	300+60.00	0.00	1394599.7335	2282150.1144	1064.25
D19	CIRCULATORY ROADWAY	300+70.00	0.00	1394590.6152	2282146.1499	1064.34
D20	CIRCULATORY ROADWAY	300+80.00	0.00	1394580.6770	2282145.6792	1064.46
D21	CIRCULATORY ROADWAY	300+90.00	0.00	1394571.1333	2282148.4947	1064.63
D22	CIRCULATORY ROADWAY	301+00.00	0.00	1394563.0361	2282154.2780	1064.80
D23	CIRCULATORY ROADWAY	301+10.00	0.00	1394557.2721	2282162.3909	1064.94
D24	CIRCULATORY ROADWAY	301+20.00	0.00	1394554.9374	2282172.0494	1065.18
D25	CIRCULATORY ROADWAY	301+30.00	0.00	1394556.5483	2282181.8547	1065.01
D26	CIRCULATORY ROADWAY	301+40.00	0.00	1394561.8621	2282190.2467	1064.95
D27	CIRCULATORY ROADWAY	301+50.00	0.00	1394569.8078	2282196.2364	1064.83
D28	CIRCULATORY ROADWAY	301+60.00	0.00	1394579.2759	2282199.2967	1064.69
D29	CIRCULATORY ROADWAY	301+70.00	0.00	1394589.2241	2282199.0906	1064.56
D30	CIRCULATORY ROADWAY	300+00.00	-27.00	1394584.5926	2282172.4696	1065.00

REVISION DATES

CHECKED:

DATE:

DRAWING No.:

18-0003

BACKCHECKED:

DATE:

CORRECTED:

DATE:

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DATE:

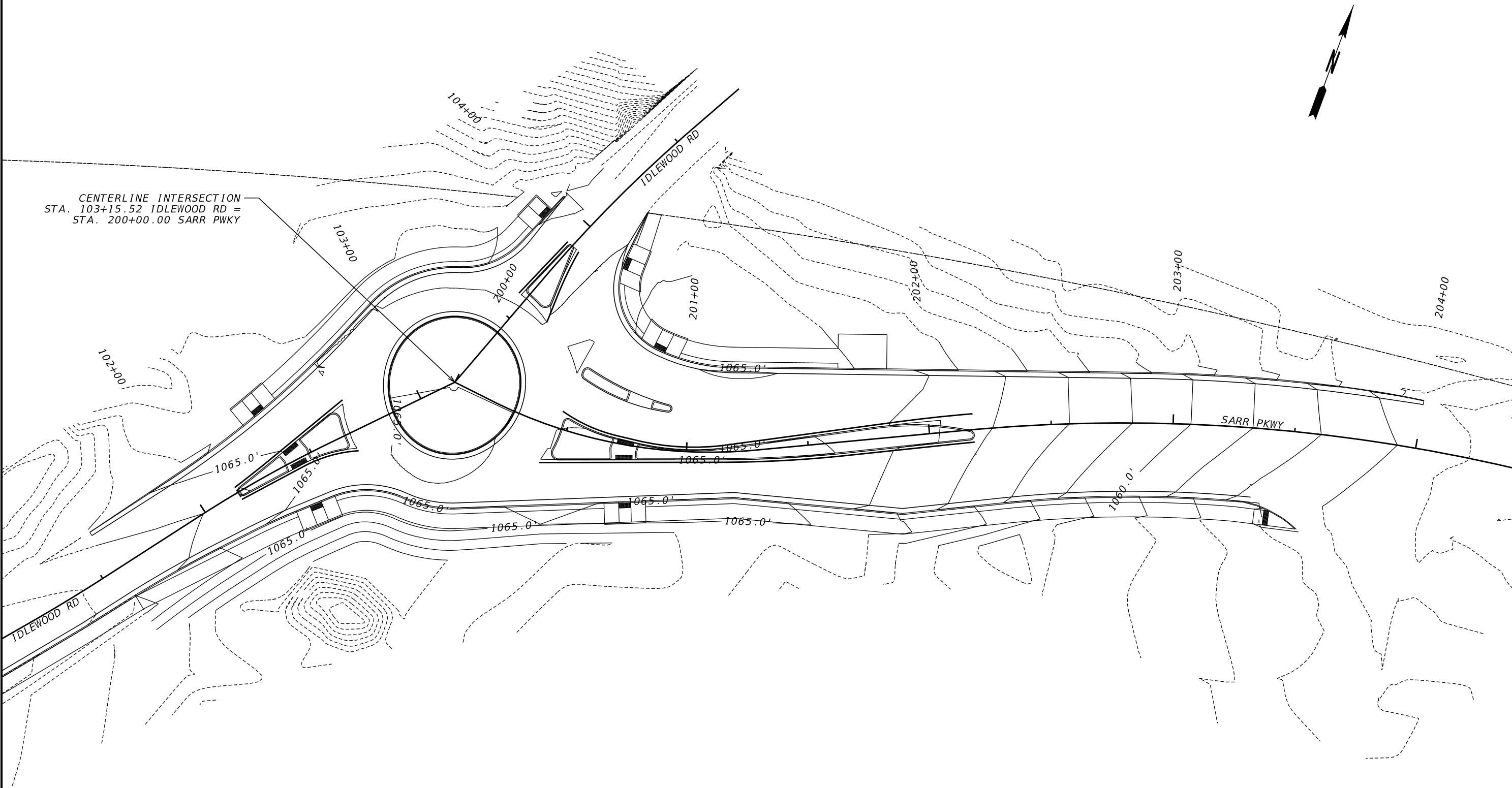
SPECIAL GRADING

IDLEWOOD RD AT SARR PKWY

Kimley»Horn

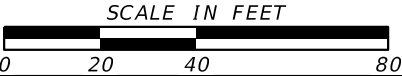
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NOT TO SCALE



Kimley»Horn

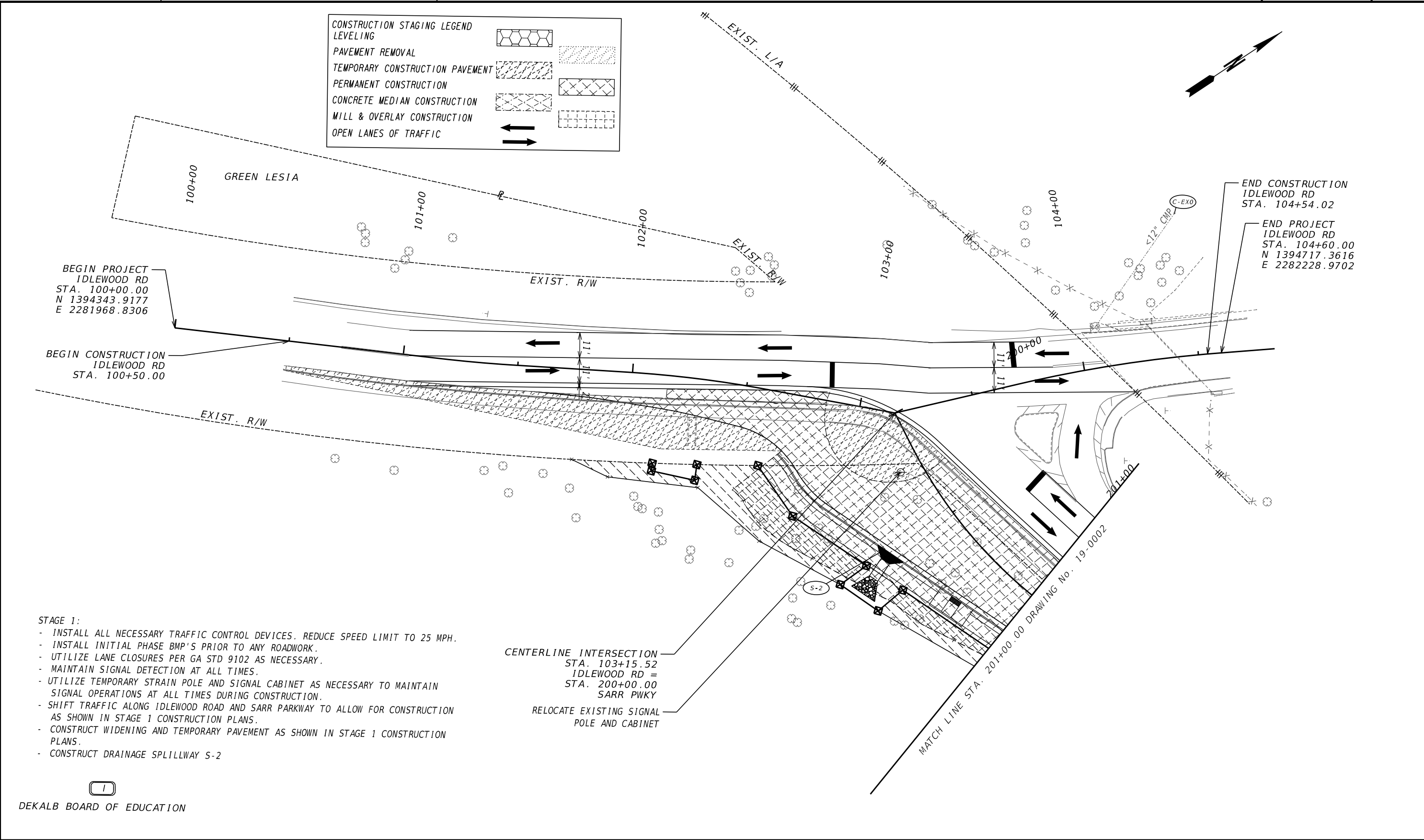
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REVISION DATES

SPECIAL GRADING
IDLEWOOD RD AT SARR PKWY

CHECKED:		DATE:		DRAWING No.:
BACKCHECKED:		DATE:		18-0004
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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

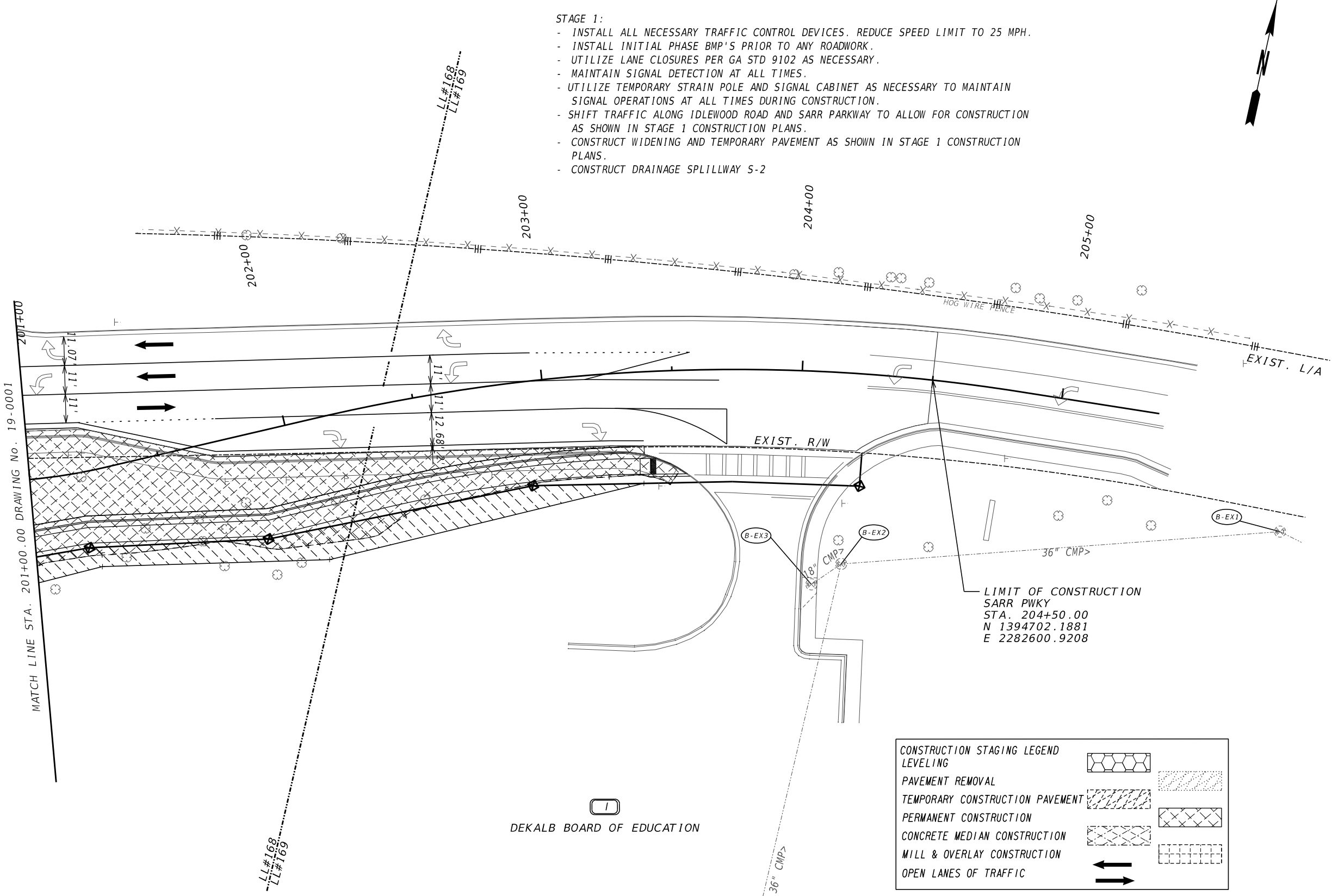
EXISTING LIMIT OF ACCESS & R/W

REQ'D LIMIT OF ACCESS & R/W

ORANGE BARRIER FENCE

ESA - ENV. SENSITIVE AREA

<



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

---#---

---C---F---

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

REVISION DATES		

STAGING PLANS

IDLEWOOD RD AT SARR PKWY

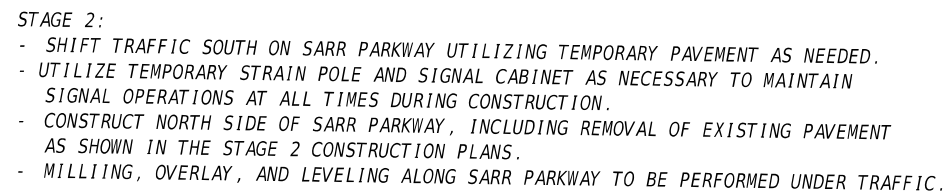
STAGE 1

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

DRAWING No.

19-0002

GPLAN-CE
11/05/2020



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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	----- -----
EASEMENT FOR CONSTR OF DRIVES		REQ'D LIMIT OF ACCESS & R/W	----- -----
		ORANGE BARRIER FENCE	●-----●-----●
		ESA - ENV. SENSITIVE AREA	▼-----▼-----▼

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CONSTRUCTION STAGING LEGEND

LEVELING

PAVEMENT REMOVAL

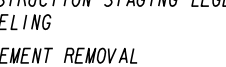
TEMPORARY CONSTRUCTION PAVEMENT

PERMANENT CONSTRUCTION

CONCRETE MEDIAN CONSTRUCTION

MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC



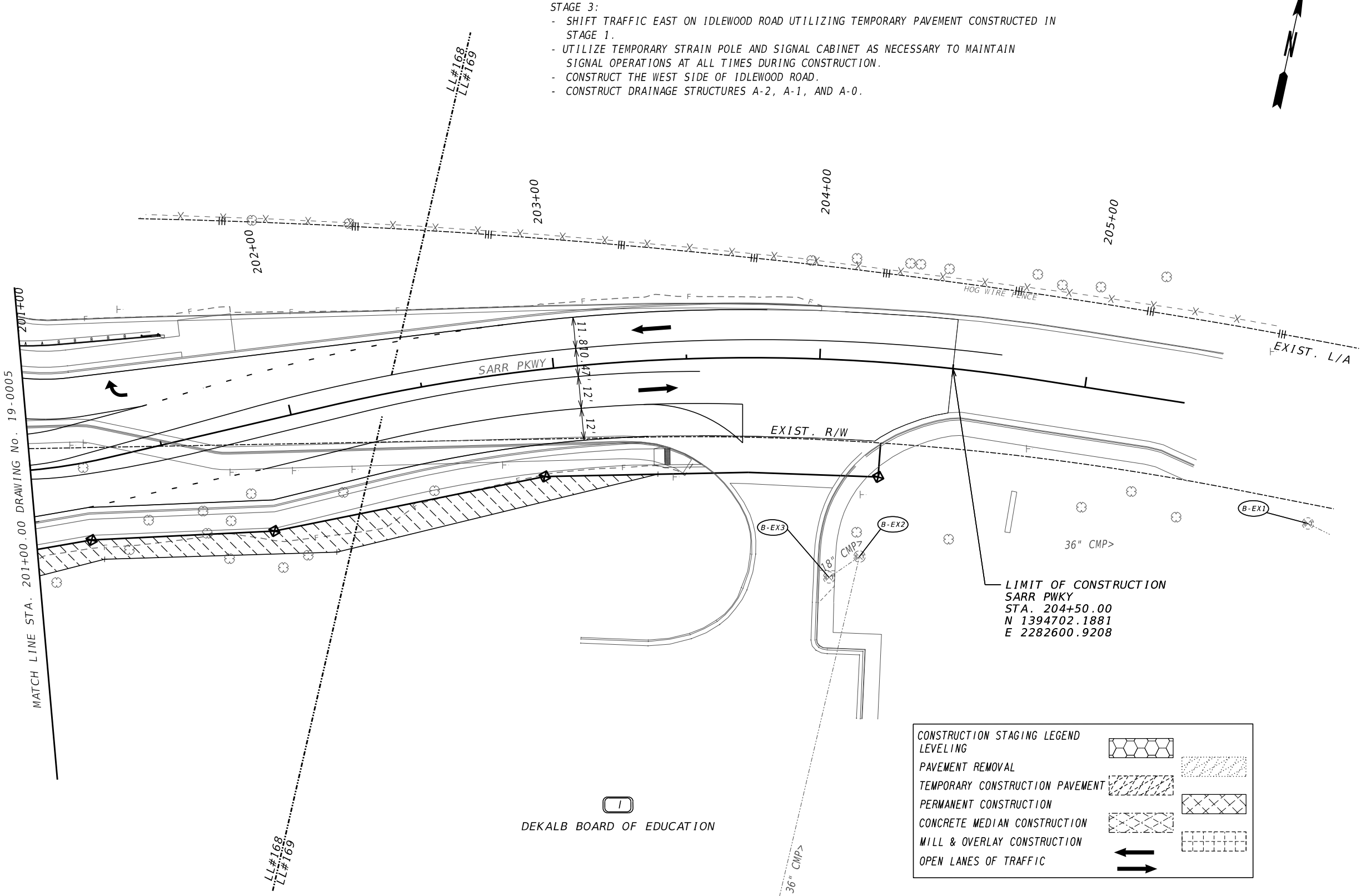
The legend includes several patterns: a hexagonal pattern for leveling, a diagonal line pattern for pavement removal, a dashed line pattern for temporary construction pavement, a cross-hatch pattern for permanent construction, a diamond pattern for concrete median construction, and a dashed line pattern for mill & overlay construction. At the bottom, two large black arrows point in opposite directions, representing open lanes of traffic.

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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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

---#---

---G---F---

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

REVISION DATES		

CHECKED:

BACKCHECKED:

CORRECTED:

VERIFIED:

DATE:

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DATE:

STAGING PLANS

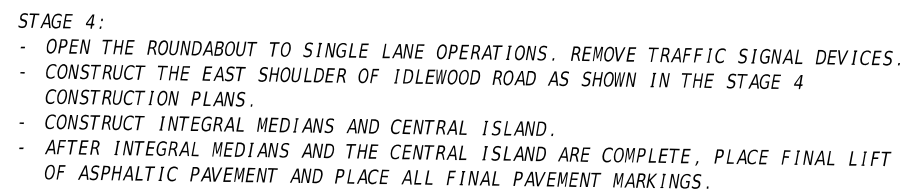
IDLEWOOD RD AT SARR PKWY

STAGE 3

DRAWING No.

19-0006

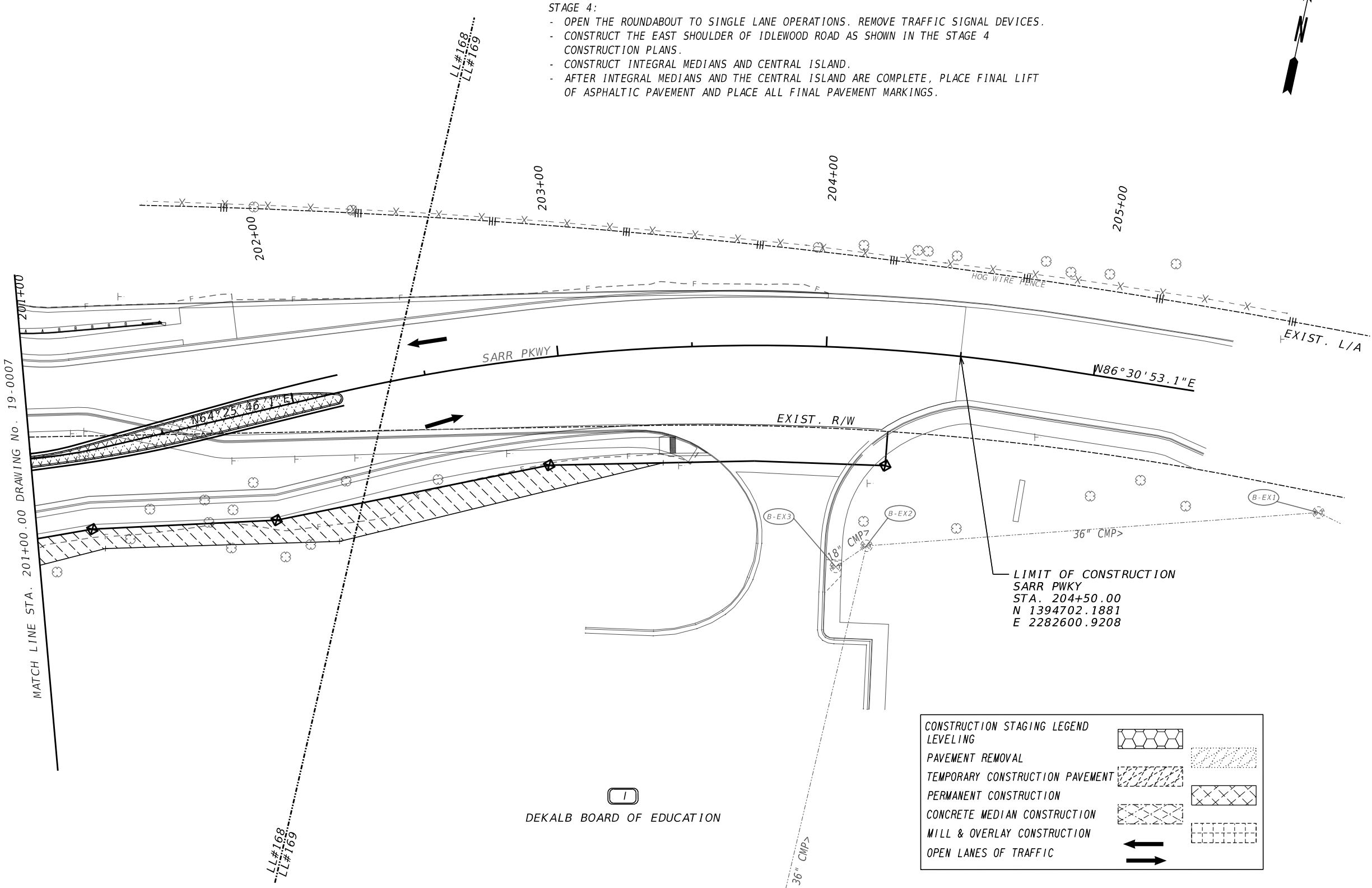
GPLN-CE
11/05/2020



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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

---#---

---G---F---

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

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20

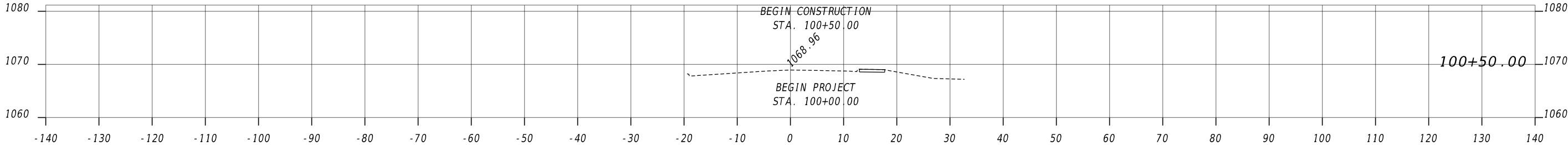
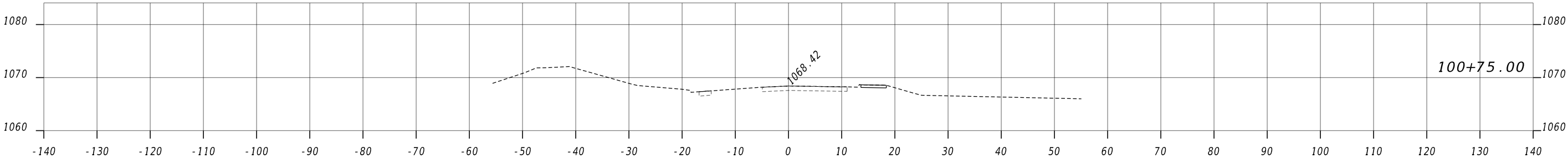
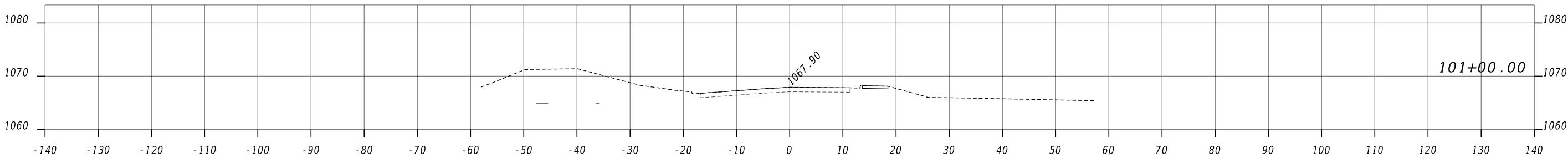
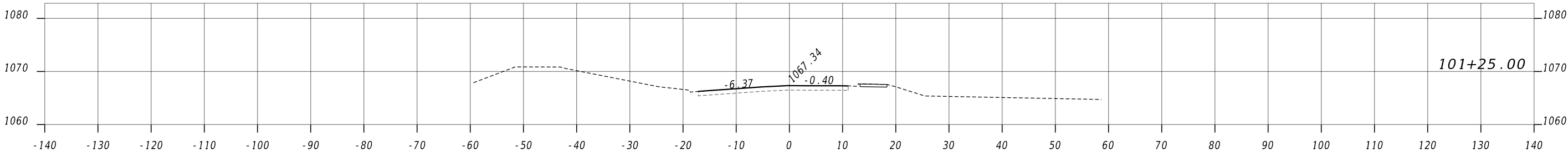
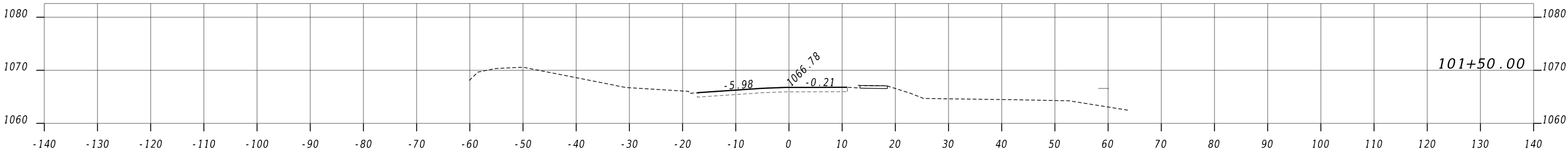
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REVISION DATES		

STAGING PLANS			
IDLEWOOD RD AT SARR PKWY			
STAGE 4			
CHECKED:		DATE:	
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DRAWING No.:
19-0008



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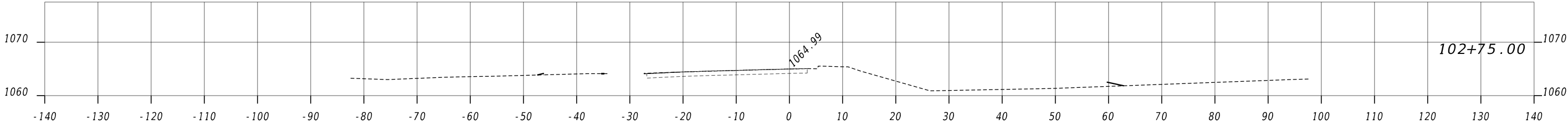
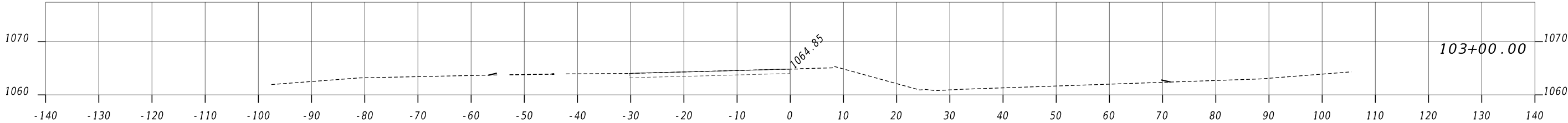


REVISION DATES

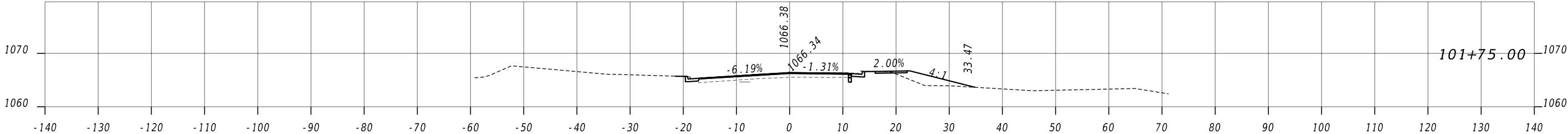
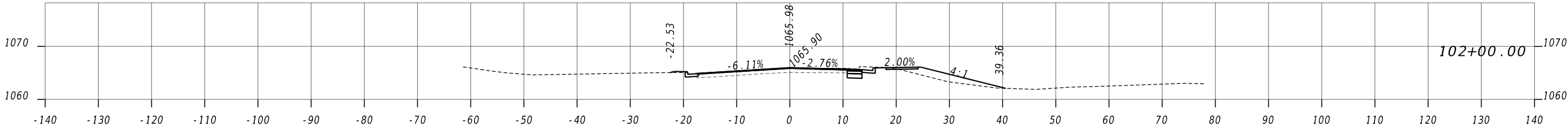
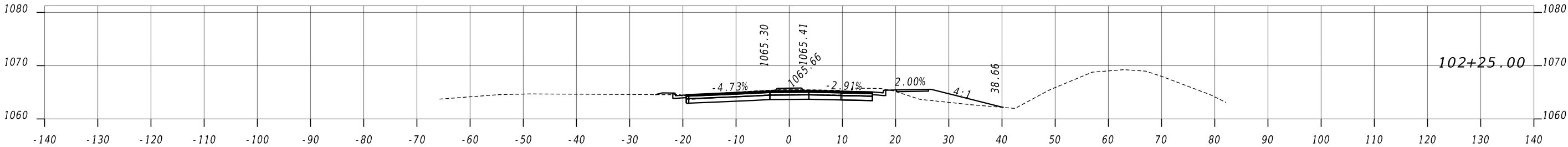
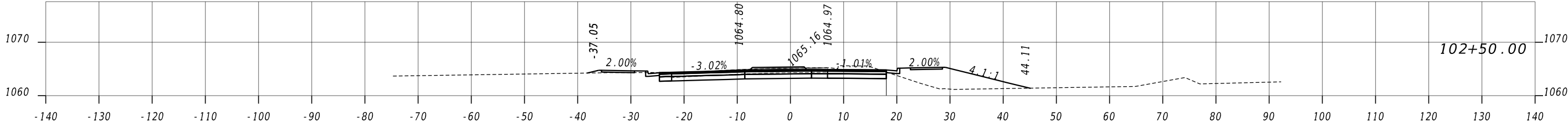
CROSS SECTION
IDLEWOOD RD @ SARR PKWY

CHECKED:		DATE:		DRAWING No.
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23-0001



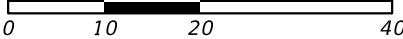
END IDLEWOOD RD
BEGIN CIRCULATORY ROADWAY
STA. 102+66.67



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SCALE IN FEET

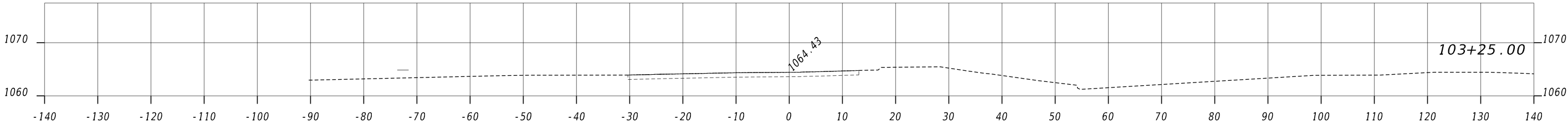
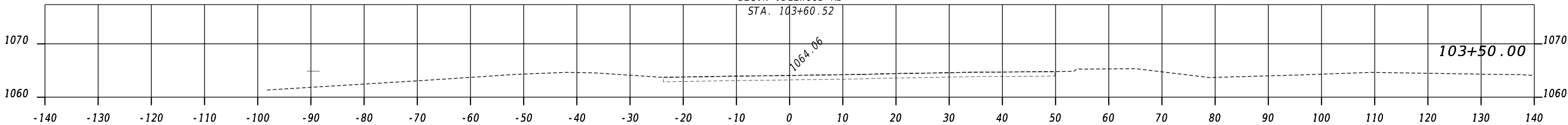
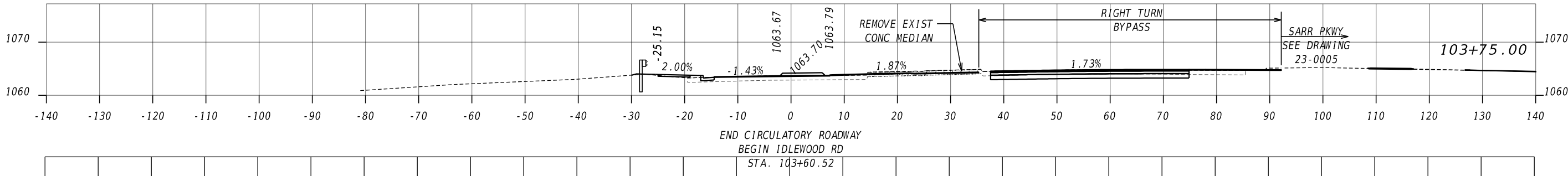
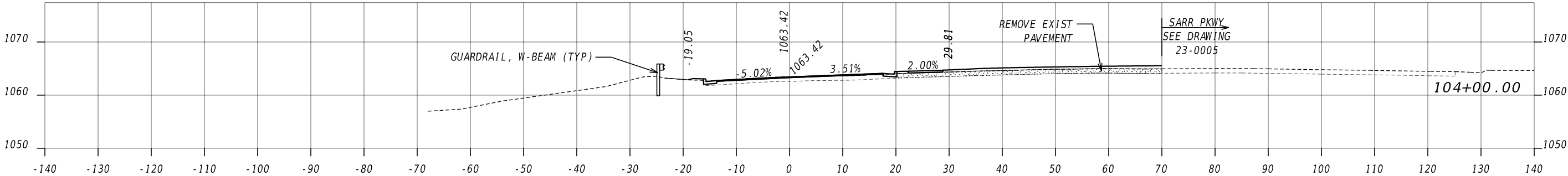
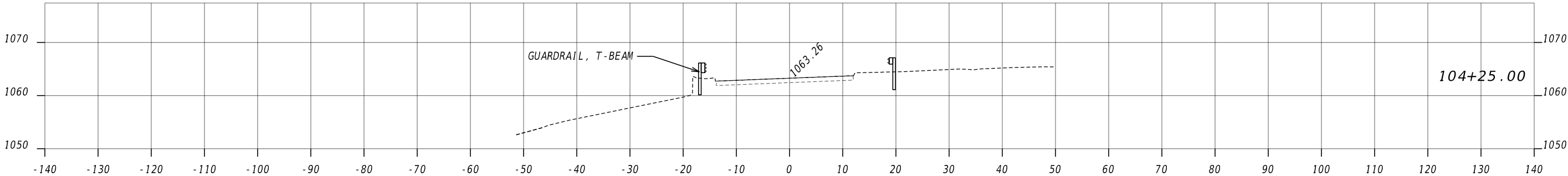


REVISION DATES

CROSS SECTION
IDLEWOOD RD @ SARR PKWY

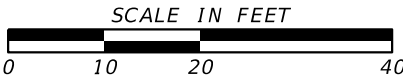
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23-0002



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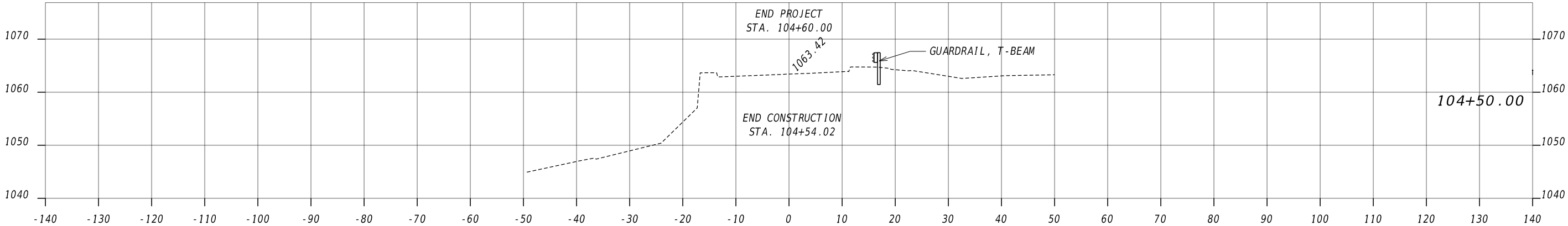


REVISION DATES

CROSS SECTION
IDLEWOOD RD @ SARR PKWY

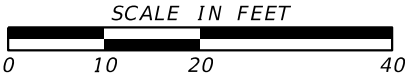
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23-0003



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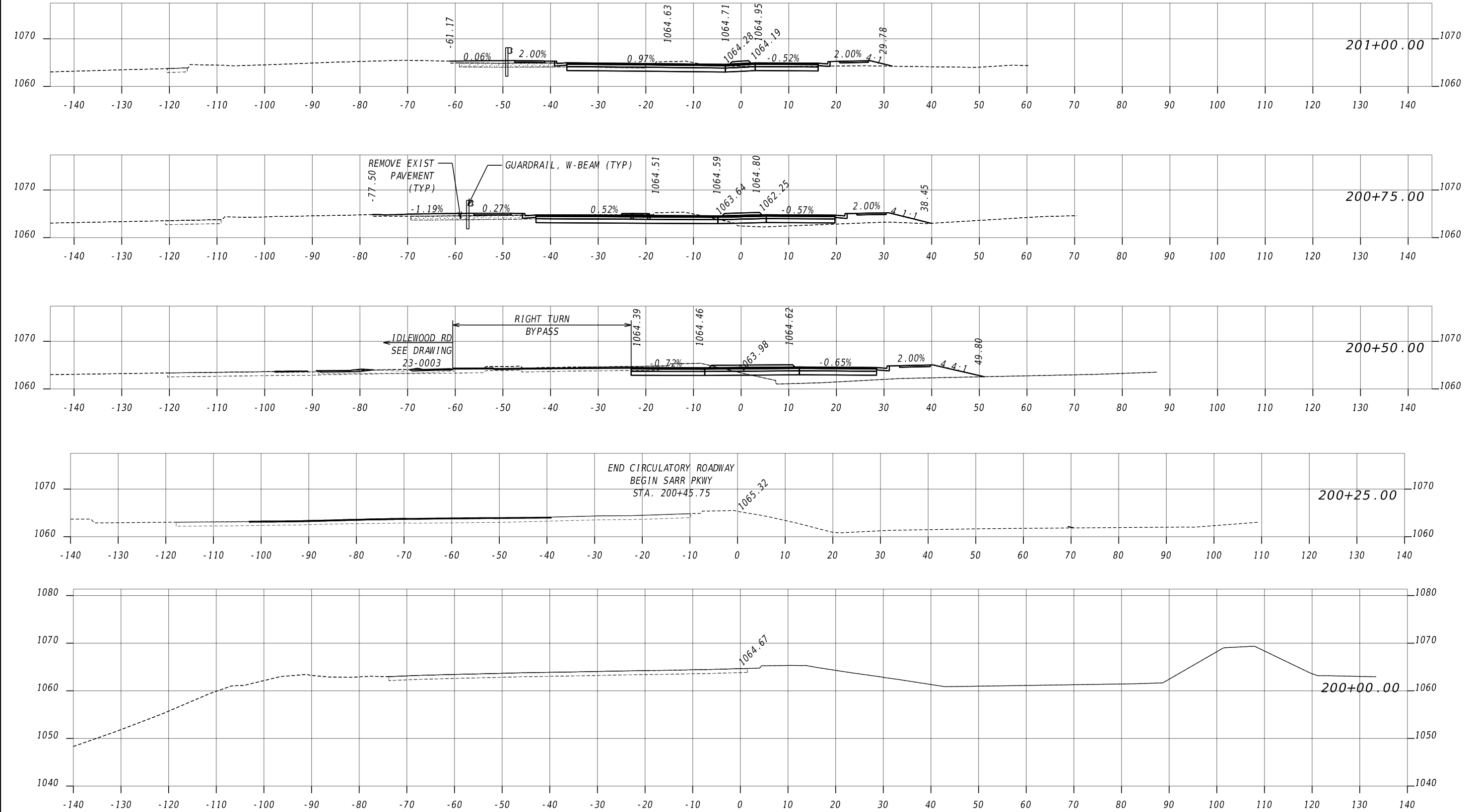
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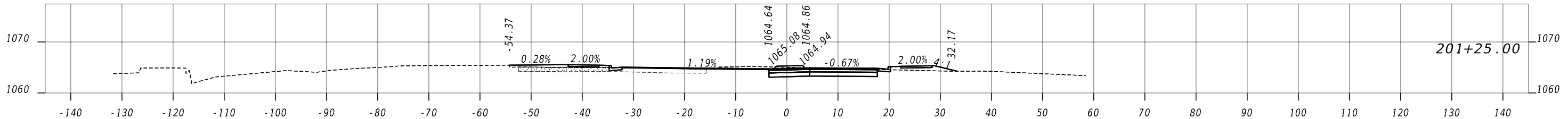
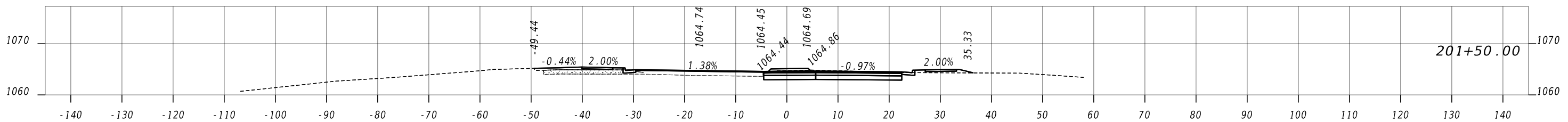
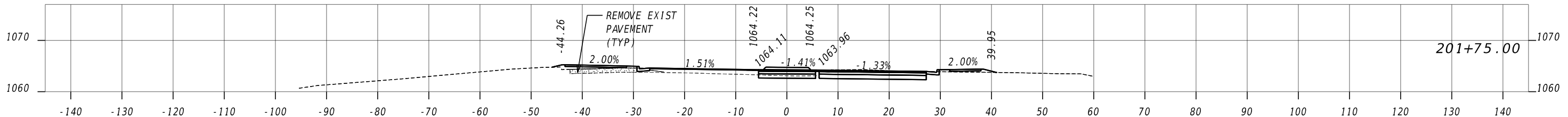
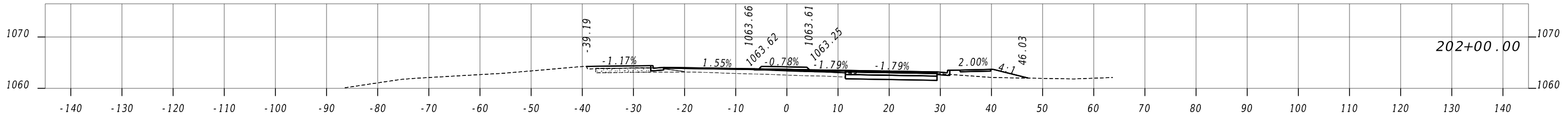
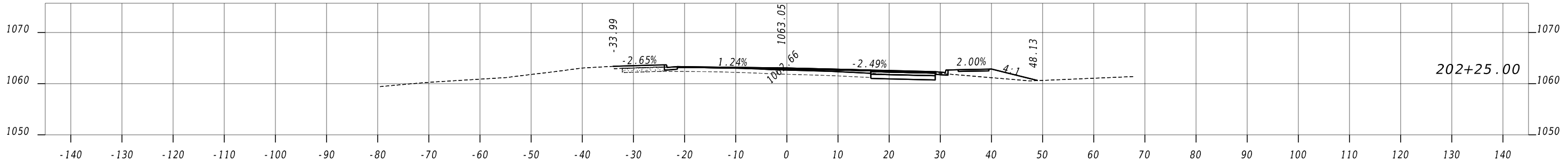


REVISION DATES

CROSS SECTION
IDLEWOOD RD @ SARR PKWY

CHECKED:		DATE:		DRAWING No.:
BACKCHECKED:		DATE:		23-0004
CORRECTED:		DATE:		
VERIFIED:		DATE:		





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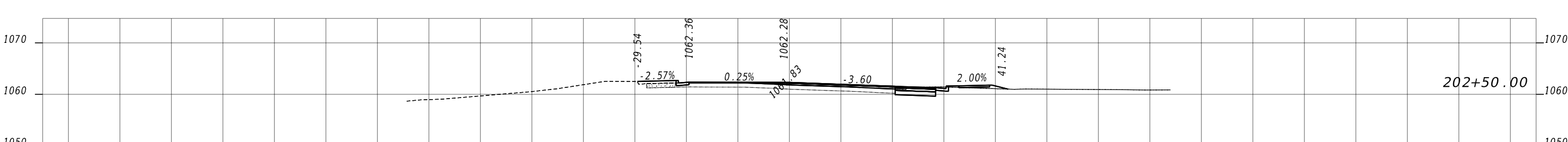
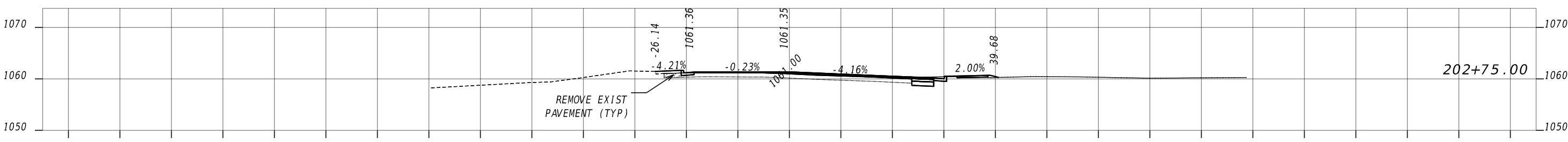
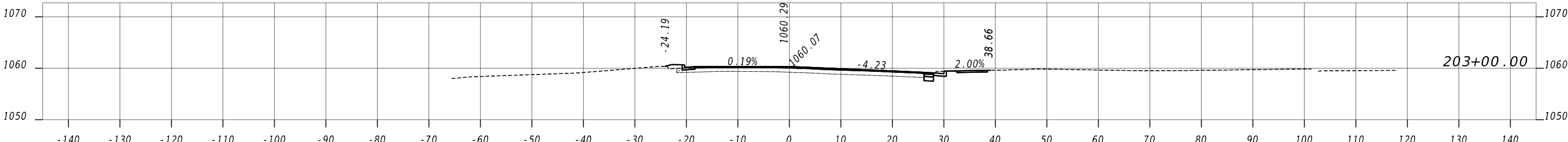
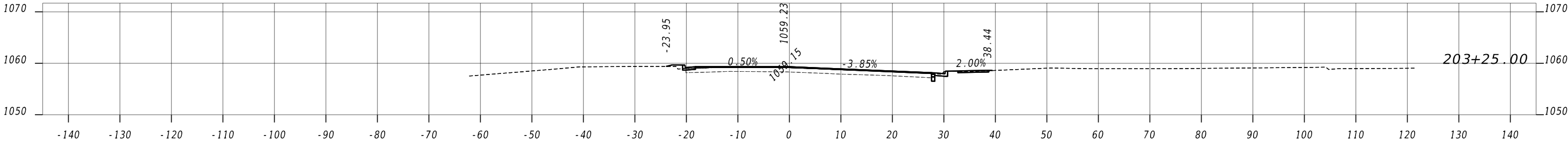
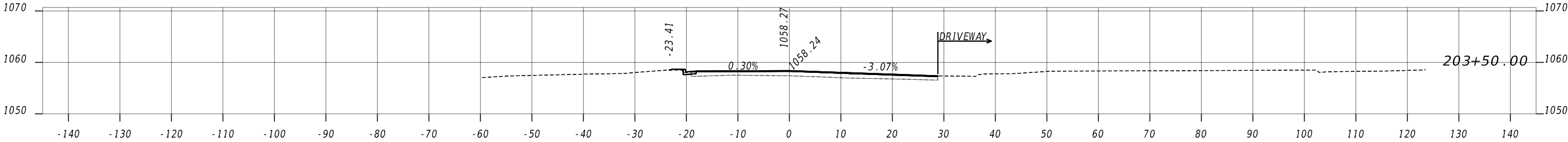


REVISION DATES

CROSS SECTION
IDLEWOOD RD @ SARR PKWY

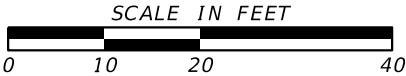
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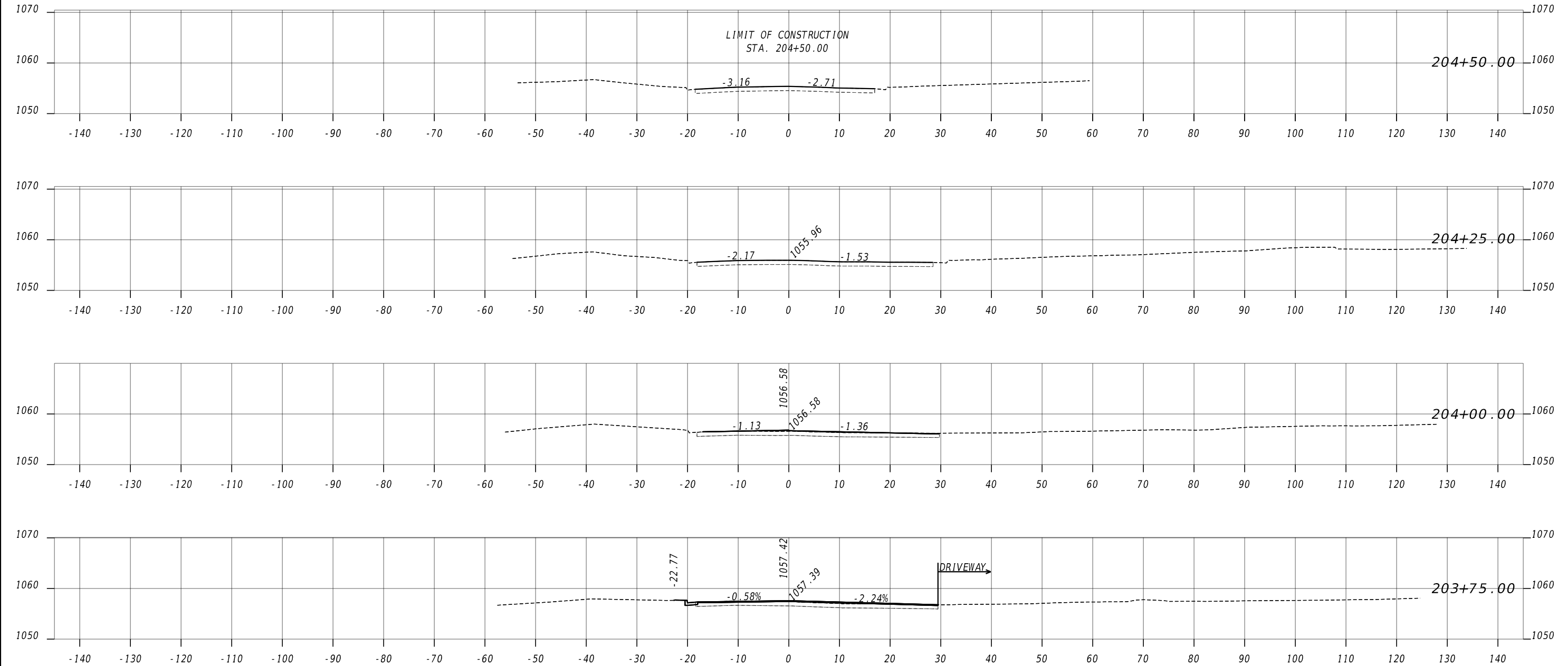


REVISION DATES

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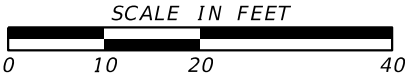
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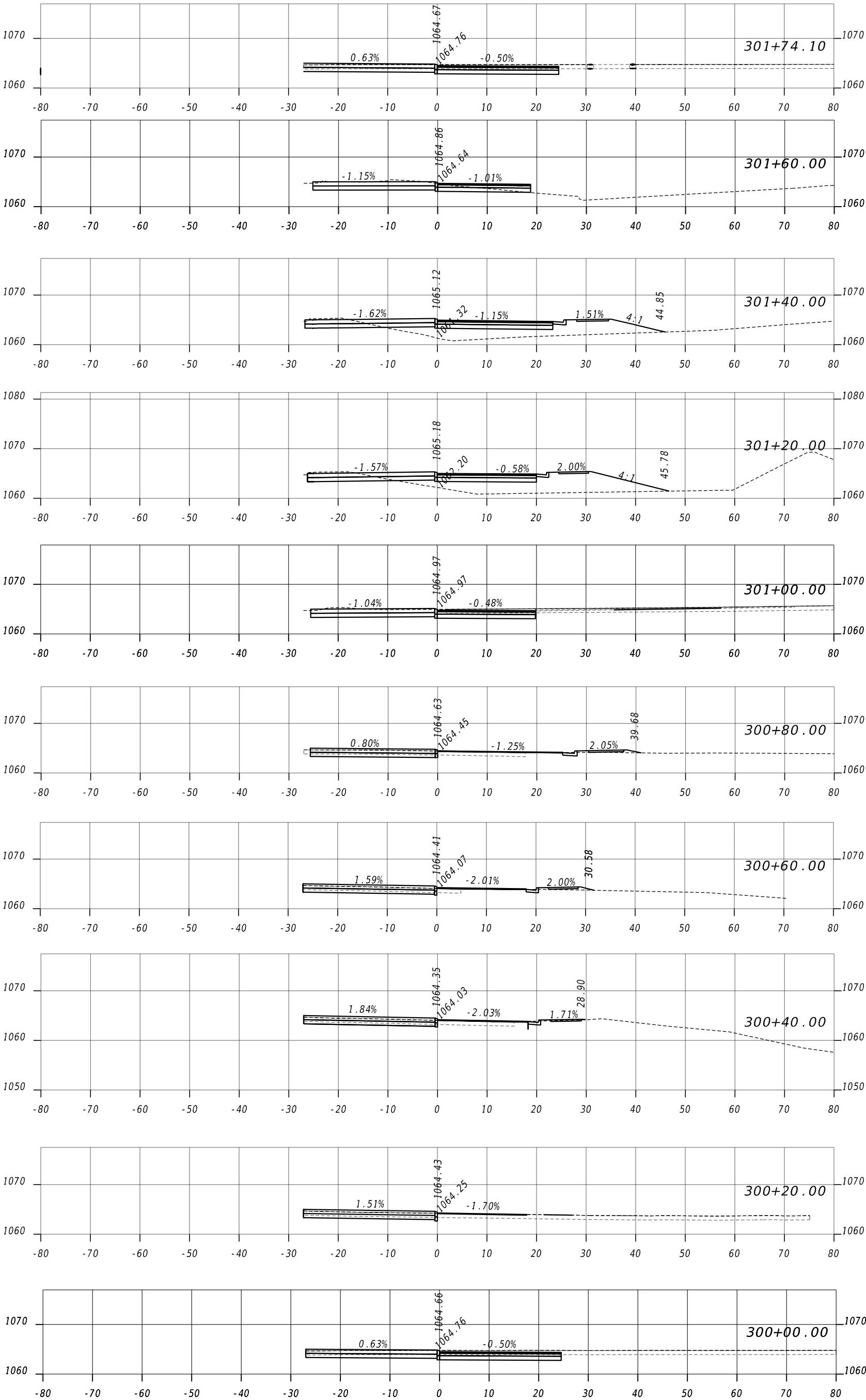


REVISION DATES

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IDLEWOOD RD @ SARR PKWY

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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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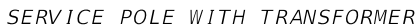
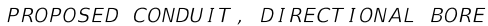


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1. ALL WORK AND MATERIALS SHALL BE DONE IN ACCORDANCE WITH 2021 GEORGIA DOT SPECIFICATIONS AND QPL, NATIONAL ELECTRICAL CODE AND NATIONAL ELECTRICAL SAFETY CODE.
2. CONTRACTOR SHALL BE AWARE OF OVERHEAD POWER LINES DURING CONSTRUCTION.
3. CONDUIT ACCESSORIES SUCH AS EXPANSION JOINTS, ELBOWS, LB'S, FLEXIBLE CONDUIT, ETC. SHALL BE INCLUDED IN THE PRICE BID FOR CONDUIT.
4. LUMINAIRE MUST MEET ALL REQUIREMENTS OUTLINED WITHIN THE GDOT SPECIFICATION 927-LUMINAIRES, LED. ACCORDINGLY, LUMINAIRE MANUFACTURER SHALL PROVIDE A TEN YEAR WARRANTY FOR PARTS AND DEFECTIVE WORKMANSHIP ON LUMINAIRES.
5. 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.
6. ALL ELECTRICAL CONNECTIONS SHALL BE MADE ABOVE GRADE INSIDE POLE BASES OR JUNCTION BOXES. NO UNDERGROUND SPLICING ALLOWED.
7. 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.
8. THE CONTRACTOR SHALL PROVIDE THE SERVICE POLE UNLESS OTHERWISE NOTED. THE SERVICE RISER AND LATERAL, WEATHERHEAD, WATERPROOF ENCLOSURES, CIRCUIT BREAKERS, LIGHTING ARRESTER, AND THE NECESSARY WIRING FOR CONNECTING TO THE POWER SOURCE, SHALL BE INCLUDED UNDER THE "ELECTRICAL SERVICE POINT" PAY ITEM.
9. PRIOR TO INSTALLATION, THE CONTRACTOR SHALL SUPPLY THE FOUNDATION DESIGNS IN ACCORDANCE WITH GEORGIA DOT SPECIFICATIONS FOR ALL FOUNDATIONS ON THE PROJECT. ALL FOUNDATION DESIGNS SHALL BE APPROVED BY THE ENGINEER BEFORE ORDERING FOUNDATION MATERIALS AND INSTALLATION. THE FOUNDATION DESIGNS SHALL BE COMPLETED AND STAMPED BY A REGISTERED STRUCTURAL ENGINEER IN THE STATE OF GEORGIA.
10. LUMINAIRES SHALL BE FURNISHED WITH CUT-OFF OPTICS AND HOUSE SHIELDS AS PER GDOT SPECIFICATIONS.
11. ALL LIGHT STANDARDS SHALL HAVE AN AASHTO APPROVED BREAKAWAY BASE.

PROPOSED CONVENTIONAL POLE. 30' MOUNTING HEIGHT
WITH LED LUMINAIRE.
(TO BE INSTALLED BY GEORGIA POWER)



(NOTE: ALL CONDUCTORS TO BE ALUMINUM UNLESS OTHERWISE SPECIFIED)

- ① 2" SCHEDULE 40 PVC CONDUIT IN TRENCH
- ② 2" SCHEDULE 80 PVC CONDUIT IN TRENCH, DIRECTIONAL BORE

POLE	STA. NO.	OFFSET	CENTER/BASE LINE	SHEET NO.	FIXTURE MOUNTING HEIGHT	NO. OF LUM'S	INSTALLATION NOTES
P1	102+04.05	25.55' RT	IDLEWOOD ROAD (DE100)	25-0002	30'	1	TO BE INSTALLED BY GEORGIA POWER
P2	102+73.70	44.50' LT	IDLEWOOD ROAD (DE100)	25-0002	30'	1	TO BE INSTALLED BY GEORGIA POWER
P3	103+96.88	36.91' RT	IDLEWOOD ROAD (DE100)	25-0002	30'	1	TO BE INSTALLED BY GEORGIA POWER
P4	104+02.39	26.02' LT	IDLEWOOD ROAD (DE100)	25-0002	30'	1	TO BE INSTALLED BY GEORGIA POWER
P5	200+60.71	37.73' LT	SARR PARKWAY (DE200)	25-0002	30'	1	TO BE INSTALLED BY GEORGIA POWER
P6	201+13.88	49.05' LT	SARR PARKWAY (DE200)	25-0002	30'	1	TO BE INSTALLED BY GEORGIA POWER

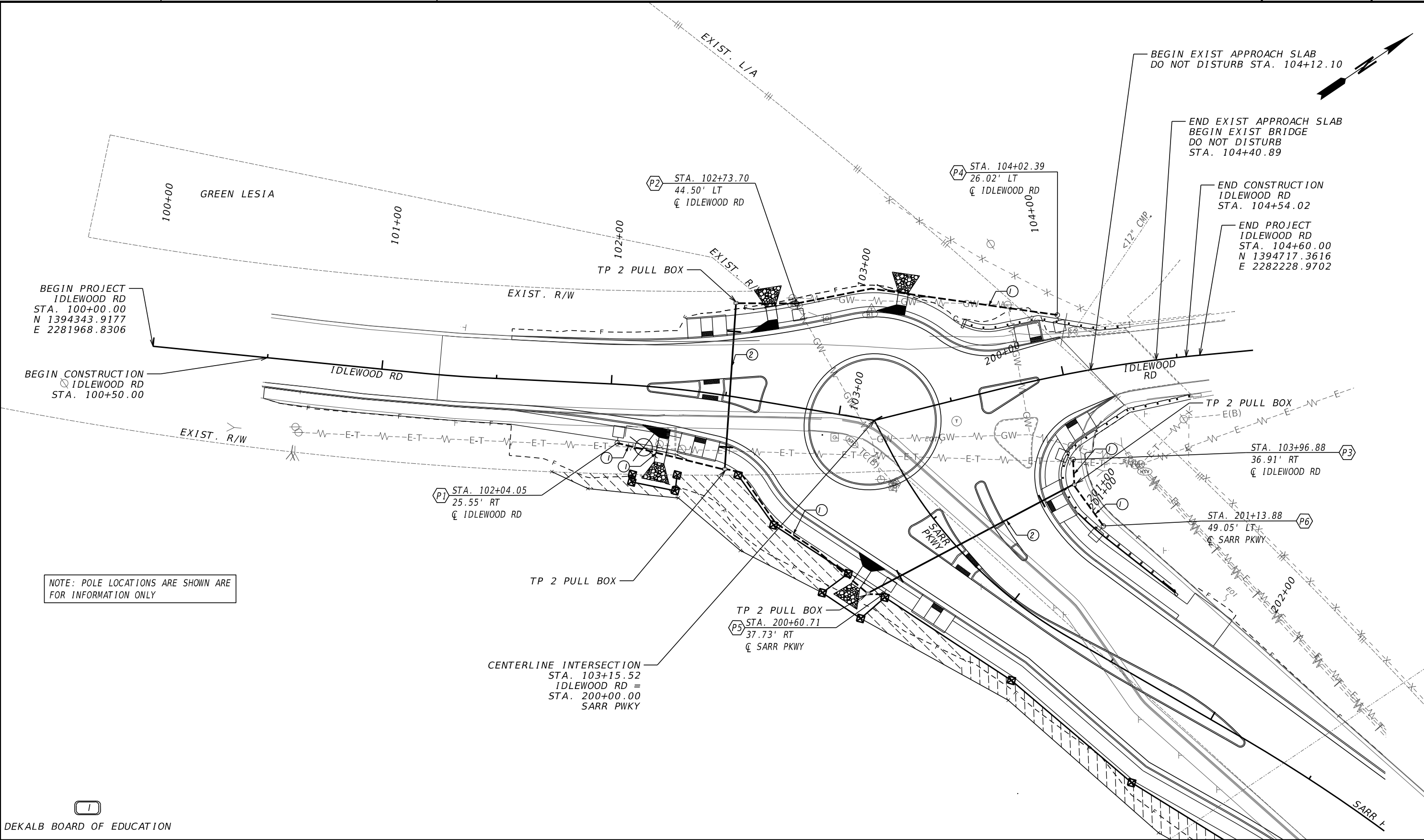
LIGHTING QUANTITIES

PAY ITEM NO	DESCRIPTION	UNIT	QUANTITY
682-6222	CONDUIT, NONMETL, TP 2, 2 IN	LF	457
682-2120	PULL BOX, TYPE 2	EA	4
682-9950	DIRECTIONAL BORE - 3"	LF	164

LIGHTING PLAN
IDLEWOOD RD AT SARR PKWY

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25-0001



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0 20 40 80

REVISION DATES		

LIGHTING PLAN IDLEWOOD RD AT SARR PKWY			
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DRAWING No.:
25-0002



Georgia Power

RoadFocus



RoadFocus LED Cobra head luminaires feature a sleek design that provides seamless replacement of existing HID luminaires. RoadFocus is available in three sizes offering multiple lumen packages and a complete array of optical distributions, making it an outstanding solution for all types of roadway applications. Includes Service Tag, an innovative way to provide assistance throughout the life of the product.

APPLICATIONS

Roadway lighting, area lighting, pathway lighting

LIGHT SOURCE

LED

COLOR TEMPERATURE

3,000 CCT or 4,000 CCT

WARM-UP AND RESTRIKE TIME

Instant-on (no warm-up or restrike time)

POLES AVAILABLE

Round Tapered Aluminum, Square Straight Steel, Wood

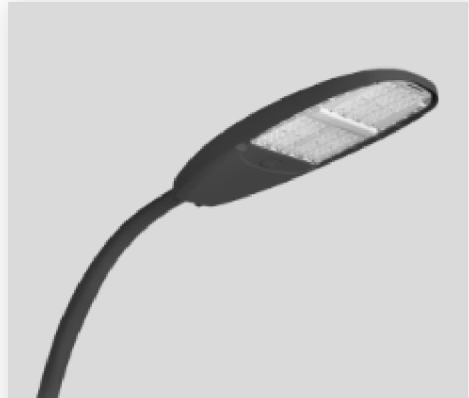
MOUNTING HEIGHT

30' standard (other mounting heights available)

COLORS

Bronze and Grey standard

LIGHT FIXTURE DETAIL:



Road Focus

Mounting Height: 30' standard
Colors: Bronze, Grey standard
Material: Die-cast aluminum
Top Applications: Roadways

POLE DETAIL:



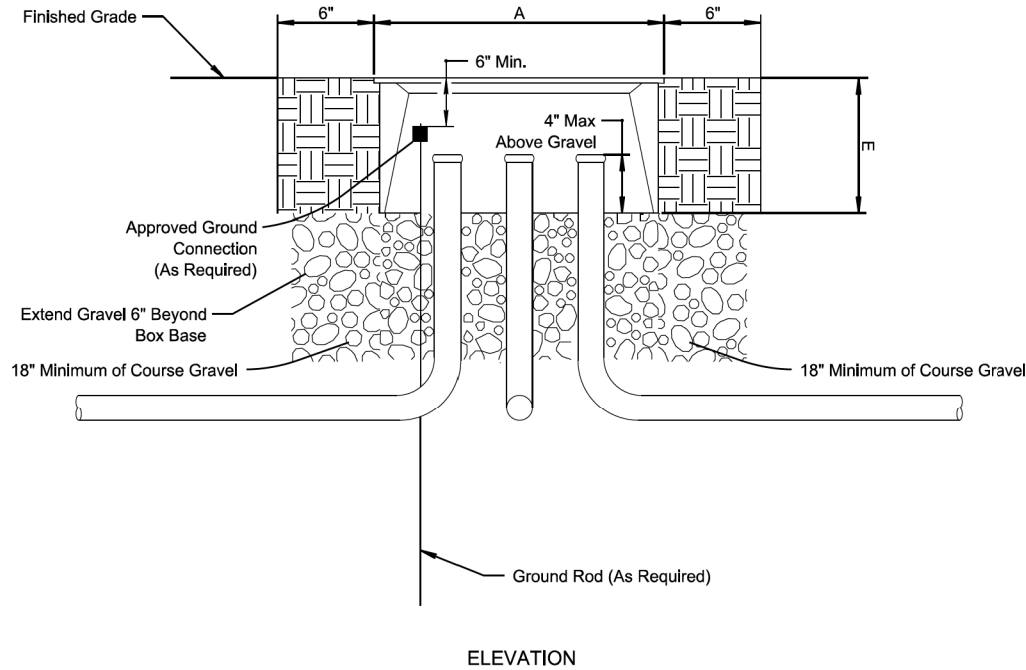
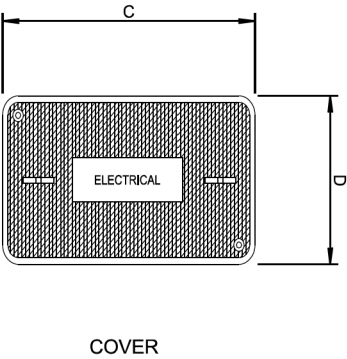
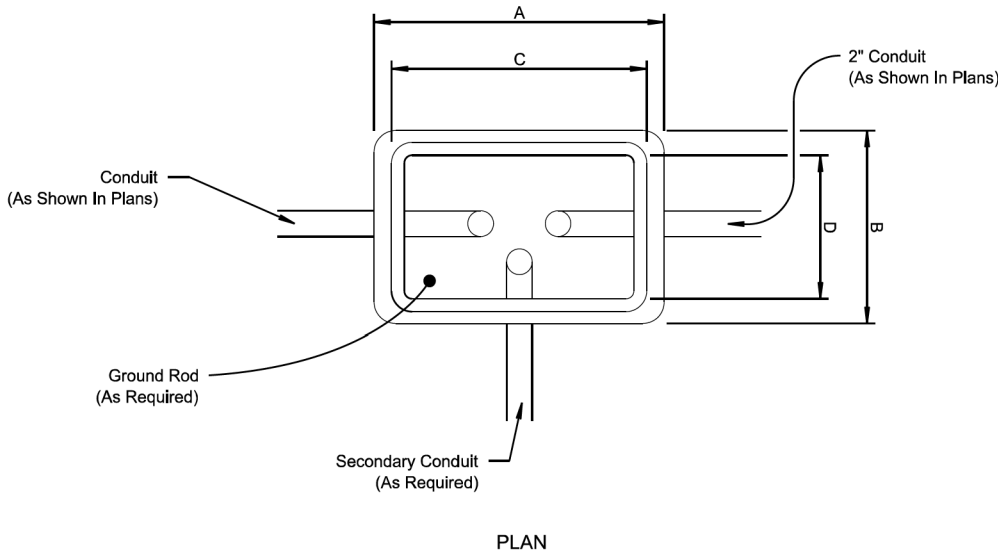
Round Tapered Aluminum

Mounting Height: 30' standard
Colors: Bronze standard
Material: Aluminum
Pole Shaft Style: Round tapered
Installation: Direct embed or base mounted

REVISION DATES

LIGHTING PLAN
IDLEWOOD RD AT SARR PKWY

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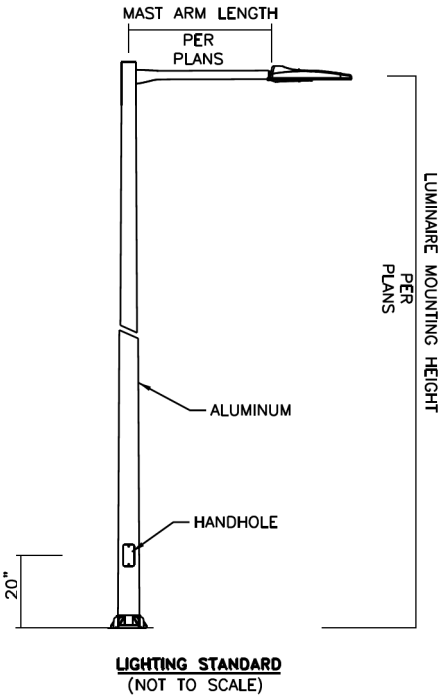


PULL BOX TYPE	SIZE (IN.)				
	A	B	C	D	E
1	14	14	12	12	12
2	21	14	18	11	12
3	33	20	30	17	12

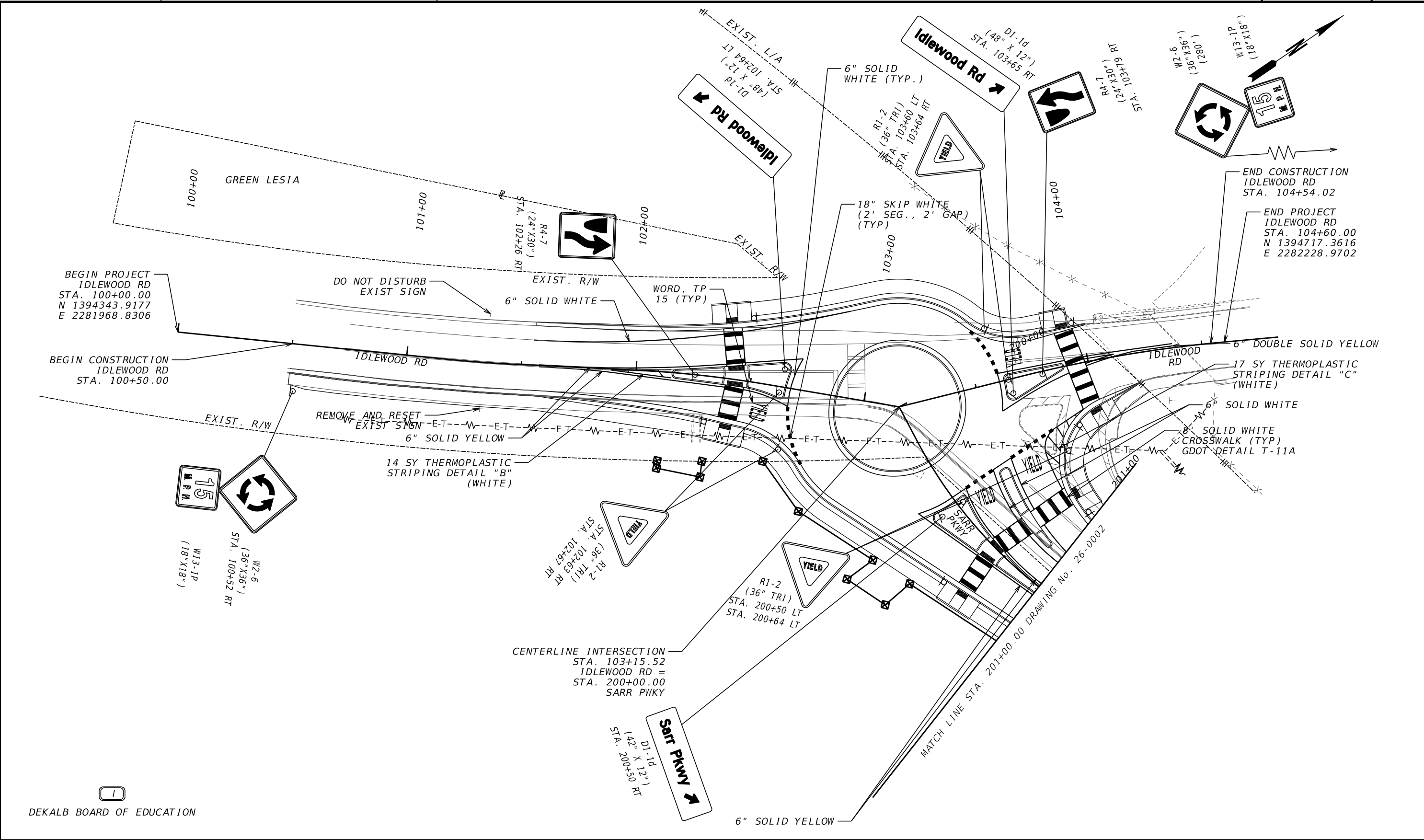
ELECTRICAL PULL BOX/JUNCTION BOX DETAILS
N.T.S.

- NOTES:
- WHERE MULTIPLE PULL BOXES ARE PLACED SIDE BY SIDE, MAINTAIN AT LEAST 8" BETWEEN BOXES.
 - SIZES SHOWN ARE MINIMUM TRADE SIZES.
 - DIMENSIONS "C" AND "D" ARE MINIMUM REQUIREMENTS WITH A TOLERANCE OF NO MORE THAN -0.050 INCHES /+ 2 INCHES.
 - DESIGN PULL BOXES TO MEET OR EXCEED THE TIER LOADING PER SPECIFICATION 647. THE CONTRACTOR SHALL PROVIDE PULL BOX WITH WEATHERPROOF GASKET.
 - PULL BOXES SHALL BE CONCRETE WITH H20 TRAFFIC RATING.
 - CONTRACTOR SHALL SUPPLY PRE-CAST CONCRETE POLYMER PULL BOX. ALL IMPACT RESISTANCE TESTING MUST BE IN ACCORDANCE WITH ASTM D-2444. ALL WATER ABSORPTION TESTING SHALL MEET ASTM D-570.
 - PULL BOX MUST MEET ALL REQUIREMENTS OUTLINED WITH GDOT STANDARD DETAIL TS-02 PULL BOX ASSEMBLY AND INSTALLATION.
 - THERE SHALL BE NO CABLE SPLICING WITHIN PULL BOX. PULL BOX SHALL BE ONLY USED FOR CABLE PASS THROUGH. CONTRACTOR SHALL PROVIDE PULL BOX WITH WEATHERPROOF GASKET.

- NOTES:
- SEE GDOT STANDARD DETAIL TS-04 FOR POLE DETAILS.
 - SEE GDOT STANDARD DETAIL TS-05 FOR FOUNDATION DETAILS.
 - SEE GDOT STANDARD DETAIL TS-06 FOR GROUNDING DETAILS. BOND REBAR CAGE AND ALL ANCHOR BOLTS TO GROUNDING LUG ON POLE INTERIOR.



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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

---#---

---C---F---

.....BLA

.....ELA

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SCALE IN FEET

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REVISION DATES

SIGNING AND MARKING PLANS

IDLEWOOD RD AT SARR PKWY

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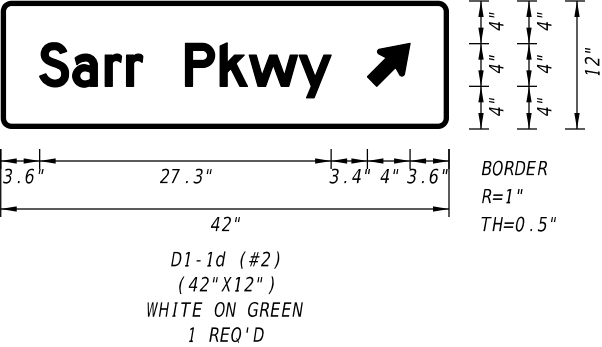
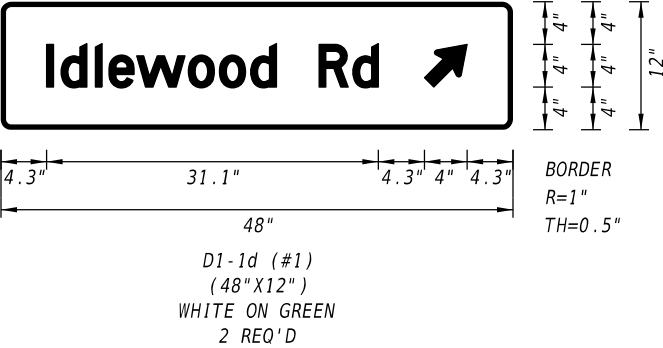
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GPLN-CE
11/05/2020



SIGNING AND MARKING PLANS				
IDLEWOOD RD AT SARR PKWY				
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WARNING SIGNS



W11-2
36" X 36"



W16-7P
24" X 12"

PEDESTRIAN SIGNS

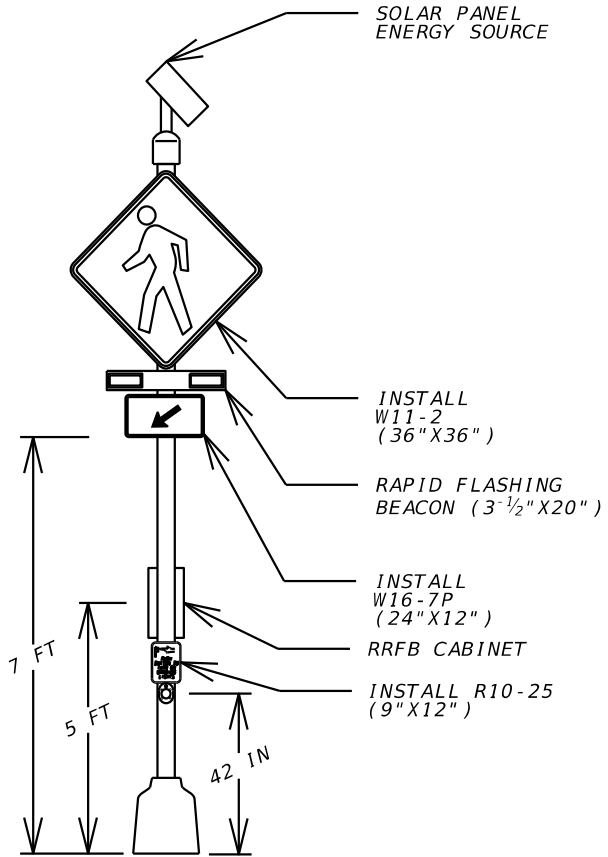


R10-25
9" X 12"

LEGEND



PULL BOX, TP 2
PULL BOX, TP 2
CONDUIT, TP 3, 2 IN
RECTANGULAR FLASHING
BEACON ASSEMBLY



DETAIL A - RECTANGULAR RAPID FLASHING BEACON (RRFB)

REVISION DATES

SIGNAL PLANS
IDLEWOOD RD AT SARR PKWY

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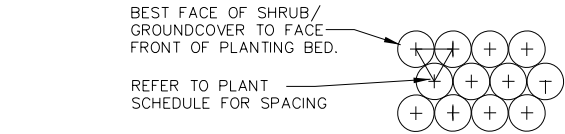


SIGNAL PLANS
IDLEWOOD RD AT SARR PKWY

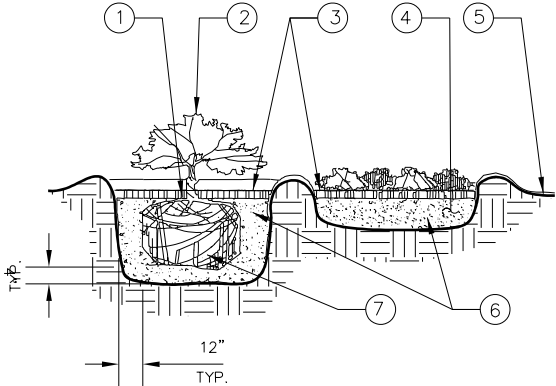
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LANDSCAPE NOTES

- REFER TO CIVIL SHEETS FOR GRADING AND DRAINAGE WITHIN LANDSCAPE AND HARDSCAPE AREAS.
- ALL PLANT MATERIAL MUST MEET THE MINIMUM STANDARDS AS PROVIDED IN THE AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1) TREES MUST BE FREE OF INJURY, PESTS, DISEASE, NUTRITIONAL DISORDERS OR ROOT DEFECTS AND MUST BE IN GOOD VIGOR TO ASSURE A REASONABLE EXPECTATION OF SURVIVAL. STANDARDS FOR TRANSPLANTING SHALL BE IN KEEPING WITH THOSE ESTABLISHED IN THE INTERNATIONAL SOCIETY OF ARBORICULTURE PUBLICATION TREE AND SHRUB PLANTING MANUAL OR A SIMILAR PUBLICATION.
- CONTRACTOR IS TO VERIFY LOCATION OF ALL TREES WITH PLANS PREPARED BY LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ALL PLANTS SHALL BE HEALTHY, VIGOROUS MATERIAL AND FREE OF PESTS AND DISEASE.
- ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT LIST.
- ALL PLANT MATERIAL QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN .
- ALL PLANTS ARE SUBJECT TO APPROVAL OF THE OWNER BEFORE, DURING AND AFTER INSTALLATION
- ALL PLANTING BEDS ARE TO BE COMPLETELY COVERED WITH SHREDDED HARDWOOD MULCH AT A MINIMUM OF 3 INCHES. THE MULCH SHALL BE FREE FROM MOLD, STICKS, CONES, WEEDS AND OTHER DEBRIS. COMPACTION OF THE MULCH SHALL OCCUR NATURALLY OVER A TWO WEEK PERIOD DURING WHICH AT LEAST ONE SIGNIFICANT RAINFALL HAS OCCURRED. ADDITIONAL MULCH SHALL BE PLACED IN ORDER TO MAINTAIN THE MINIMUM DEPTH UNTIL DATE OF FINAL ACCEPTANCE.
- THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANIES AND 811 TO HAVE THE LOCATIONS OF THEIR UNDERGROUND UTILITIES MARKED PRIOR TO BEGINNING WORK. CAUTION SHALL BE EXERCISED TO AVOID INTERRUPTION OF SERVICES. THE CONTRACTOR IS RESPONSIBLE FOR REPAIR OF ALL EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING UNTIL THE WORK IS ACCEPTED BY THE OWNER. MAINTENANCE INCLUDES BUT IS NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING.
- THE CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR BEGINNING AT THE DATE OF FINAL ACCEPTANCE. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE THE END OF THE GUARANTEE PERIOD (AS PER DIRECTION FROM THE OWNER)
- ANY PLANT MATERIAL THAT DIES, TURNS BROWN, OR DEFOLIATES PRIOR TO FINAL ACCEPTANCE SHALL BE REMOVED AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY AND SIZE AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL SUPPLY MIN. 6" DEPTH OF PLANTING SOIL MIX TO ALL PROPOSED AT GRADE LANDSCAPE BEDS CONSISTING OF: 50% ORGANIC SOIL ADDITIVES AND 50% TOPSOIL.
- THE AREA TO BE PLANTED SHALL BE SPRAYED WITH HERBICIDE ONE WEEK PRIOR TO TILLING AND PLANTING. ALL EXISTING TURF AND VEGETATION SHALL BE STRIPPED AND REMOVED PRIOR TO THE INSTALLATION OF ANY TURF OR PLANT MATERIAL.
- ALL BUILT-IN ON-STRUCTURE PLANTERS TO HAVE LIGHT WEIGHT SOIL INFILL. LIGHT WEIGHT SOIL SYSTEM IS TO BE ROOFLITE ROOFTOP GARDEN SOIL SYSTEM. SEE PLANS FOR LOCATIONS AND PLANTING SOIL ON-STRUCTURE FOR FURTHER INFORMATION.
- CONTRACTOR TO VERIFY THAT PLANTING LOCATIONS DO NOT CONFLICT WITH EXISTING UTILITIES, STRUCTURES, EASEMENTS OR DRAINAGE PATTERNS.
- CONTRACTOR TO REFER TO THE EROSION CONTROL PLANS FOR ALL TEMPORARY AND PERMANENT SEEDING AREAS.
- THE QUANTITIES SHOWN IN THE PLANT SCHEDULE ARE SOLELY FOR THE INFORMATION OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY THE QUANTITIES SHOWN IN THE PLANT SCHEDULE WITH THE QUANTITIES SHOWN ON THE PLANTING PLAN. ALL DIFFERENCES IN THE QUANTITIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION. CONTRACTOR IS RESPONSIBLE TO INSTALL THE PLANT MATERIAL QUANTITIES THAT ARE SHOWN IN THE LANDSCAPE PLANS.
- THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE SITE (INCLUDING, BUT NOT LIMITED TO WEEDING, WATERING, SPRAYING, MULCHING, FERTILIZING, ETC...) OF PLANTING AREAS AND LAWN AREAS UNTIL THE WORK IS ACCEPTED IN TOTAL BY THE LANDSCAPE ARCHITECT AND THE OWNER. THE CONTRACTOR IS RESPONSIBLE FOR THE FULL WARRANTY OF ALL THE PLANT MATERIAL UNTIL FINAL ACCEPTANCE.
- ALL SLOPES THAT ALL GREATER THAN 3:1 SHALL BE STABILIZED WITH EROSION CONTROL FABRIC PRIOR TO PLANTING. EROSION CONTROL FABRIC SHALL BE OF THE TYPE THAT DECOMPOSES AFTER 18 MONTHS TO 2 YEARS.
- ALL TREES AND VEGETATION OVERHANGING IN THE CIRCULATION ROUTE MUST BE MAINTAINED TO BE 80" ABOVE THE WALKING SURFACE TO ENSURE ADA COMPLIANT ROUTE.
- THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO REJECT, AT ANY TIME UNTIL THE END OF THE GUARANTEE PERIOD, ANY AND/OR ALL PLANT MATERIAL THAT DOES NOT MEET THE SPECIFICATIONS AS SET FORTH HERIN AND IN THE PLANT SCHEDULE.



PLAN



SECTION

- NOTES:
B&B MATERIAL
1. REMOVE ALL SYNTHETIC STRAP AND SYNTHETIC BURLAP FROM ROOTBALL
 2. REMOVE $\frac{3}{4}$ OF BURLAP FROM TOP OF ROOT BALL COVERING
 3. REMOVE TOP $\frac{1}{4}$ OF WIRE BASKET (IF PRESENT)
 4. DO NOT INSTALL MULCH WITHIN 6" OF MAIN TRUNK OF STEM

- CONTAINER MATERIAL
1. REMOVE CONTAINER FROM AROUND PLANT PRIOR TO PLANTING
 2. BREAK UP ANY CIRCLING OR BINDING ROOTS
 3. SCARIFY SIDE OF ROOTBALL
 4. DO NOT INSTALL MULCH WITHIN 6" OF TRUNK FLARE

PLANT SCHEDULE						
SYMBOL	CODE	QTY	COMMON / BOTANICAL NAME	CONT.	HEIGHT	REMARKS
SHRUBS						
	RP	93	PERFECTO MUNDO® DOUBLE PINK AZALEA / RHODODENDRON X 'NCRX3'	3 GAL.	18" MIN.	
GROUNDCOVERS						
	LE2	112	EMERALD GODDESS LIRIOPE / LIRIOPE MUSCARI 'EMERALD GODDESS'	1 GAL.	12" MIN.	
	HO2	356	STELLA DE ORO DAYLILY / HEMEROCALLIS X 'STELLA DE ORO'	1 GAL.	12" MIN.	

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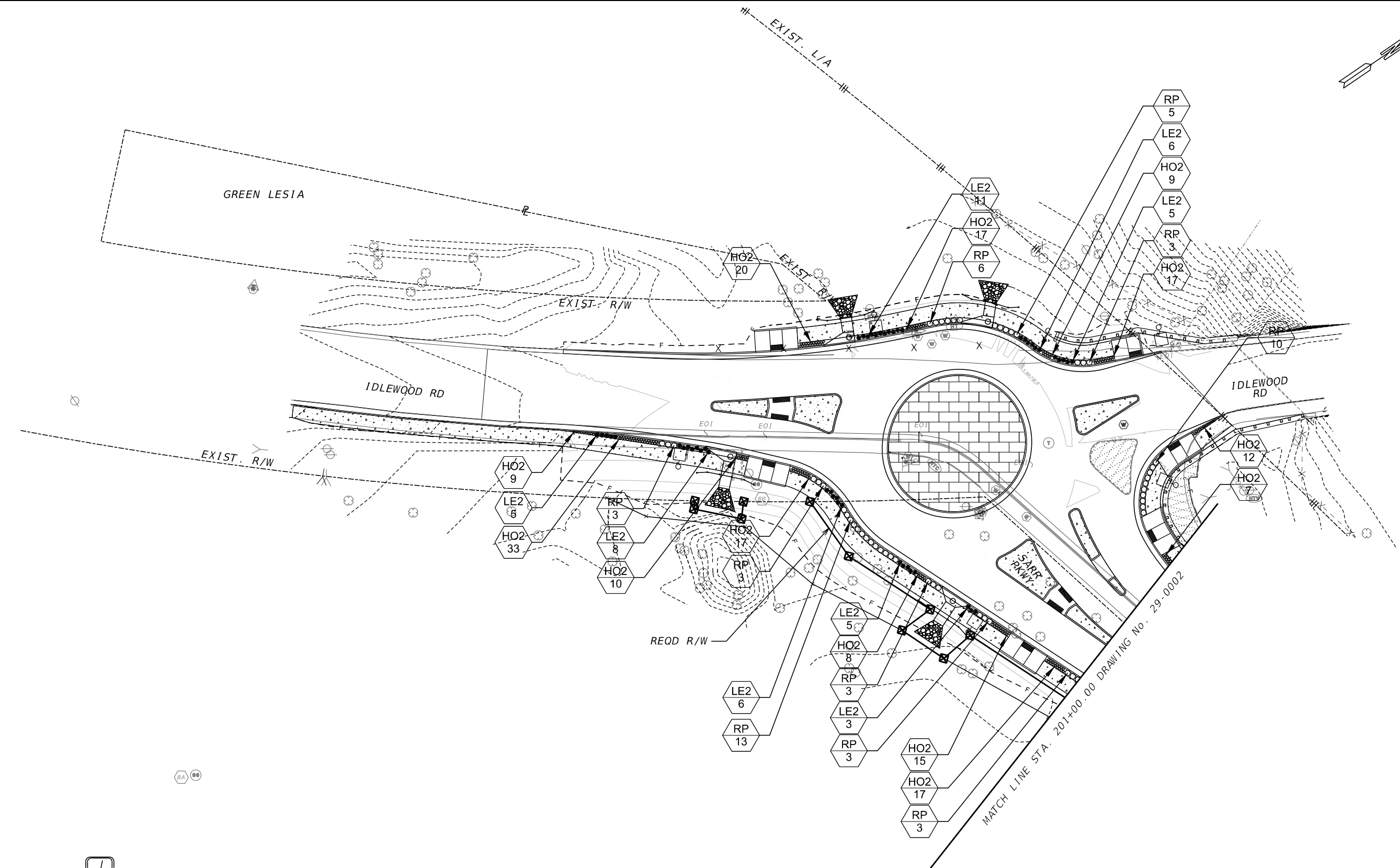
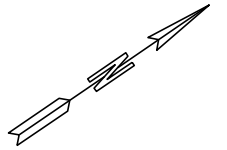
N.T.S

REVISION DATES

LANDSCAPING PLANS
IDLEWOOD RD AT SARR PKWY

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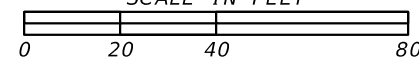

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PROPERTY AND EXISTING R/W LINE		BEGIN LIMIT OF ACCESS.....BLA	
REQUIRED R/W LINE		END LIMIT OF ACCESS.....ELA	
CONSTRUCTION LIMITS		EXISTING LIMIT OF ACCESS	
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES		REQ'D LIMIT OF ACCESS	
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EASEMENT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

Kimley»»Horn

Engineering, Planning, and Environmental Consultants
Suite 350, 3930 East Jones Bridge Road
Peachtree Corners, Georgia 30092

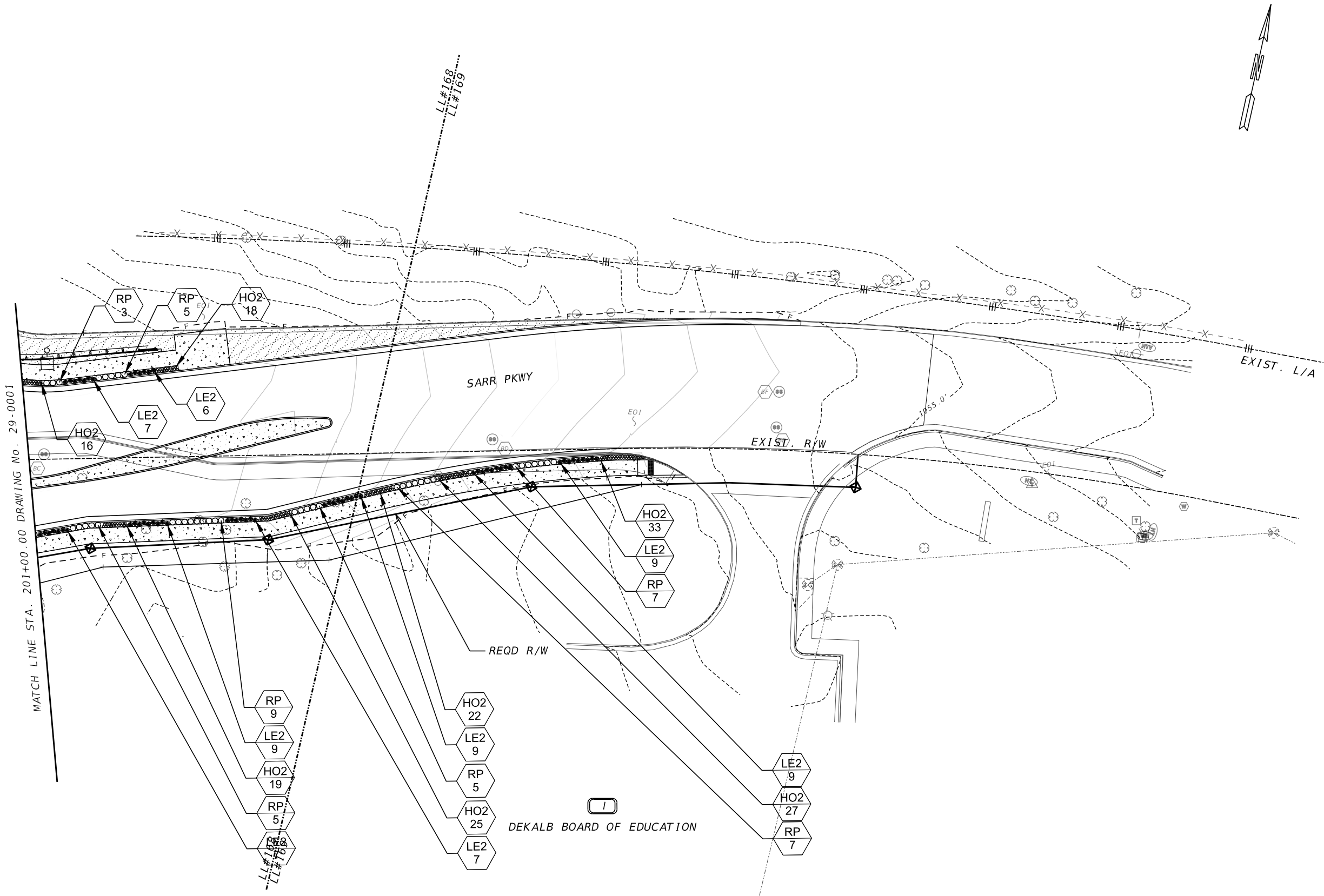
SCALE IN FEET



REVISION DATES

LANDSCAPING PLANS
IDLEWOOD RD AT SARR PKWY

CHECKED:	DATE:	DRAWING No. 29-0001
BACKCHECKED:	DATE:	
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

---#---

---G---F---

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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Peachtree Corners, Georgia 30092

SCALE IN FEET

REVISION DATES

NO.	DATE	DESCRIPTION

LANDSCAPING PLANS

IDLEWOOD RD AT SARR PKWY

CHECKED:	DATE:	VERIFIED:	DATE:

DRAWING No.

29-0002

GPLAN-CE
11/05/2020



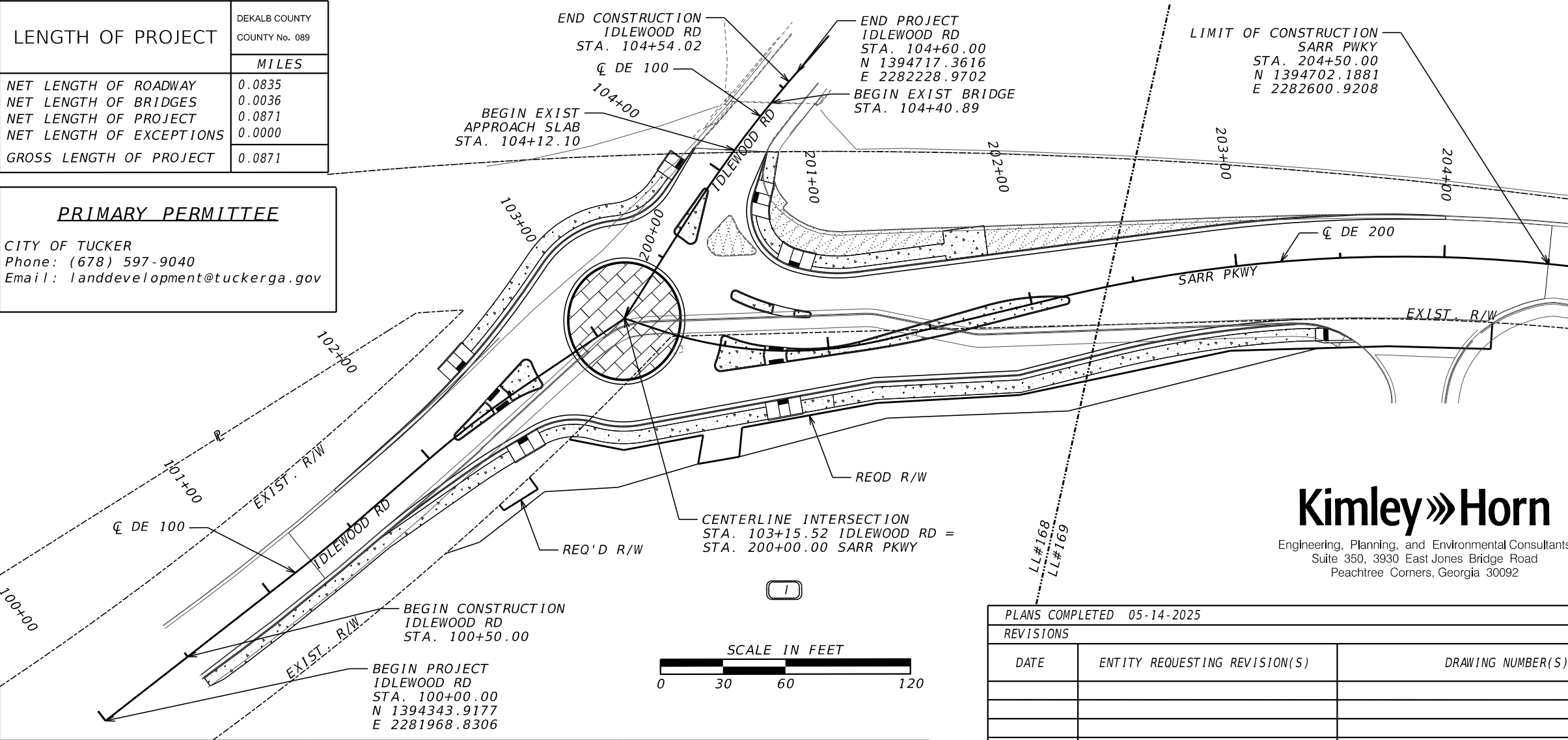
LOCATION SKETCH

This project has been prepared using the Horizontal Georgia Coordinate System of 1984 (NAD1983)/94 WEST Zone, and the North American Vertical Datum (NAVD) of 1988.

LENGTH OF PROJECT	DEKALB COUNTY COUNTY No. 089
	MILES
NET LENGTH OF ROADWAY	0.0835
NET LENGTH OF BRIDGES	0.0036
NET LENGTH OF PROJECT	0.0871
NET LENGTH OF EXCEPTIONS	0.0000
GROSS LENGTH OF PROJECT	0.0871

PRIMARY PERMITTEE

CITY OF TUCKER
Phone: (678) 597-9040
Email: landdevelopment@tuckerga.gov



BEGIN-POINT COORDINATES	MID-POINT COORDINATES	END-POINT COORDINATES
Longitude: -84.2147945°	Longitude: -84.2143177°	Longitude: -84.2139384°
Latitude: 33.8331269°	Latitude: 33.8336179°	Latitude: 33.8341536°

CITY OF TUCKER

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

IDLEWOOD ROAD
AT SARR PARKWAY
ROUNDBABOUT

DEKALB COUNTY

"I certify that this Erosion, Sedimentation and Pollution Control Plan has been prepared in accordance with Part IV, of the General NPDES Permit No. GARI00002."

"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. GARI00002."

"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. GARI00002, 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."

24 HOUR CONTACT:

Ken Hildebrandt - City of Tucker

Name

1975 Lakeside Parkway

Street Address

Tucker, GA 30084

City, State Zip

770-865-5645

Phone Number

khildebrandt@tuckerga.gov

Email Address

Contractor shall complete the information in this box.

Kimley»Horn

Engineering, Planning, and Environmental Consultants
Suite 350, 3930 East Jones Bridge Road
Peachtree Corners, Georgia 30092



DARREN WILTON GSWCC LEVEL II
CERTIFICATION NUMBER: 0000075420

PLANS COMPLETED 05-14-2025				
REVISIONS				
DATE	ENTITY REQUESTING REVISION(S)	DRAWING NUMBER(S)	SIGNATURE	GSWCC LEVEL II CERT.#

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
INFRASTRUCTURE CONSTRUCTION PROJECTS

SWCD: DeKalb County SWCD

Project Name: Idlewood Road at Sarr Parkway

Address: Idlewood Rd at Sarr Pkwy, Tucker, GA

Local Issuing Authority: EPD

Date on Plans: 7/3/2025

County: Dekalb

Name & email of person filling out checklist:

Darren Wilton; darren.wilton@Kimley-Horn.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.
51-0009	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. *
51-0005	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." *
51-0008	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."
51-0008	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 BMPs 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."
51-0011	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. *
51-0011	Yes	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. *
51-0004	Yes	25 Provide BMPs for the remediation of all petroleum spills and leaks.
51-0004	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. *
51-0005	Yes	27 Description of practices to provide cover for building materials and building products on site. *
51-0004/51-0005	Yes	28 Description of the practices that will be used to reduce the pollutants in storm water discharges. *
51-0004	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).

Plan Page #	Included Y/N	TO BE SHOWN ON ES&PC PLAN				
51-0005	Yes	30 Provide complete requirements of Inspections and record keeping by the Primary Permittee. *				
51-0007/51-0009	Yes	31 Provide complete requirements of Sampling Frequency and Reporting of sampling results. *				
51-0007	Yes	32 Provide complete details for Retention of Records as per Part IV.F. of the permit. *				
51-0009	Yes	33 Description of analytical methods to be used to collect and analyze the samples from each location. *				
51-0009	Yes	34 Appendix B rationale for NTU values at all outfall sampling points where applicable. *				
51-0009	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. *				
51-0005	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. *				
50-0001 53-0001 54 Series 55-0001	Yes	37 Graphic scale and North arrow.				
53-0001 55-0001	Yes	38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: <table><tr><td>Existing Contours</td><td>USGS 1": 2000' Topographical Sheets</td></tr><tr><td>Proposed Contours</td><td>1": 400' Centerline Profile</td></tr></table>	Existing Contours	USGS 1": 2000' Topographical Sheets	Proposed Contours	1": 400' Centerline Profile
Existing Contours	USGS 1": 2000' Topographical Sheets					
Proposed Contours	1": 400' Centerline Profile					
51-0008	Yes	39 Use of Alternative BMPs whose performance has been documented to be equivalent to or superior to conventiona BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Refer to the Alternative BMP				
	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.				
53-0001 55-0001	Yes	42 Delineation of all State Waters and wetlands located on or within 200 feet of the project site.				
53-0001	Yes	43 Delineation and acreage of contributing drainage basins on the project site.				
53-0001 55-0001	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.				
51-0008	Yes	47 Soil series for the project site and their delineation.				
54 Series	Yes	48 The limits of disturbance for each phase of construction.				
51-0010	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 Series	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 Series	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.				
51-0002/51-0003	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.				
* 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



7/3/2025

Kimley»Horn

Engineering, Planning, And Environmental Consultants
3930 East Jones Bridge Road, Suite 350
Peachtree Corners, Georgia 30092

NOT TO SCALE

REVISION DATES

ESPCP GENERAL NOTES
IDLEWOOD RD AT SARR PKWY

CHECKED:		DATE:		DRAWING No.:
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		

51-0001

DESCRIPTION OF EXISTING SITE AND PROPOSED PROJECT

- 8 The existing site consists of a signalized t-intersection between Idlewood Rd and Sarr Pkwy. There is an existing bridge over US 78/Stone Mountain Freeway approximately 75 feet north of the intersection

The project proposes to convert the existing intersection of Idlewood Rd at Sarr Pkwy to a single-lane roundabout. The project will tie to the existing bridge approach slab and will maintain existing drainage patterns. The existing footprint of the intersection will be widened to accommodate the roundabout geometry.

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.

- 17 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.

MAINTAINING EROSION CONTROL MEASURES

- 19 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.
- 20 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.

18 Solid materials, including building materials, shall not be discharged to Waters of the State, unless authorized by a Section 404 Permit.

READY MIX CHUTE & TOOLS WASHDOWN

- 24 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 travel 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, 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".

SITE STABLIZATION AND VEGETATION PLANTING SCHEDULE

- 21 Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding.
- 52

The EPD General NPDES GAR100002 permit indicates that the 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.



7/3/2025

GSWCC CHECKLIST ITEM NO. PER CHECKLIST ON 51-0001

Kimley»Horn

Engineering, Planning, And Environmental Consultants
3930 East Jones Bridge Road, Suite 350
Peachtree Corners, Georgia 30092

NOT TO SCALE

REVISION DATES

ESPCP GENERAL NOTES

IDLEWOOD RD AT SARR PKWY

CHECKED:		DATE:		DRAWING No.
BACKCHECKED:		DATE:		51-0002
CORRECTED:		DATE:		
VERIFIED:		DATE:		

SITE STABLIZATION AND VEGETATION PLANTING
SCHEDULE (CONT'D)

52

Ds1 - MULCHING	
MATERIAL	DEPTH
DRY STRAW OR HAY	2" TO 4"
WOOD WASTE (SAWDUST, BARK, CHIPS)	2" TO 3"
CUTBACK ASPHALT (SLOW CURING)	1200 GAL. / ACRE (1/4 GAL. / SQ.YD.)
BLACK POLYETHYLENE FILM	COMPLETELY COVER AREA; HOLD IN PLACE WITH SOIL ON OUTER EDGE

Ds2 - TEMPORARY SEEDING

PLANTS, PLANTING RATES, AND PLANTING DATES
FOR TEMPORARY COVER OR COMPANION CROPS

SPECIES	RATES PER 1,000 SQ. FT.	RATES PER ACRE	PLANTING DATES BY REGION		
			M-L	P	C
BARLEY	3.3 LBS.	3 BU.	9/1-10/31	9/15-11/15	10/1-12/31
OATS	3.3 LBS.	3 BU.	9/1-10/31	9/15-11/15	10/1-12/31
TRITCALE	3.3 LBS.	3 BU.	9/1-10/31	9/15-11/15	10/1-12/31
RYEGRASS, ANNUAL	0.9 LBS.	40 LBS.	8/15-11/15	9/15-12/15	9/15-12/31
RYE LESPEDEZA,	0.6 LBS.	0.5 BU.	8/15-10/31	9/15-11/30	10/1-12/31
ANNUAL	0.9 LBS.	40 LBS.	3/1-3/31	3/1-3/31	2/1-2/28
WEeping LOVEGRASS	0.1 LBS.	4 LBS.	4/1-5/31	4/1-5/31	3/1-5/31
SUDANGRASS	1.4 LBS.	60 LBS.	4/1-8/31	4/1-8/31	3/1-7/31
MILLET, BROWNTOP	0.9 LBS.	40 LBS.	4/15-6/15	10/1-12/15	10/15-12/31
MILLET, PEARL	1.1 LBS.	50 LBS.	5/15-7/15		
WHEAT	4.1 LBS.	3 BU.	9/15-11/30	10/1-12/15	10/15-12/31

1. TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL CROWN OUT PERENNIALS IF PLANTED TOO HEAVILY.
2. REDUCE SEEDING RATES BY 50% WHEN DRILLED.
3. UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES.
4. SEEDING RATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.

M-L REPRESENTS THE MOUNTAIN, BLUE RIDGE, AND RIDGES & VALLEYS MLRAS.

P REPRESENTS THE SOUTHERN PIEDMONT REGION MLRA.

C REPRESENTS THE SOUTHERN COASTAL PLAIN, SAND HILLS, BLACK LANDS, AND ATLANTIC COAST FLATWOODS MLRAS.

FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	1000	-
	MAINTENANCE	10-10-10	400	30
COOL SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500	0-50
	SECOND	0-10-10	1000	-
	MAINTENANCE	0-10-10	400	-
TEMPORARY COVER CROPS	FIRST	10-10-10	500	30
SEEDED ALONE WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	800	50-100
	MAINTENANCE	10-10-10	400	30

GSWCC CHECKLIST ITEM NO.
PER CHECKLIST ON 51-0001

Ds3 - PERMANENT GRASSING

PLANTS, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

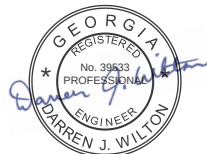
TYPES OF SPECIES	RATES PER ACRE	RATES PER 1,000 SF	PLANTING DATES BY REGION			REMARKS
			M-L	P	C	
BAHIA, PENSACOLA ALONE OR WITH TEMPORARY COVER WITH PERENNIALS	60 LBS. 30 LBS.	1.4 LBS. 0.7 LBS.	-	4/1-5/31	3/1-5/31	LOW GROWING AND SOD FORMING. ALLOW TO ESTABLISH. WILL SPREAD INTO BERMUDA LAWNS.
BAHIA, WILMINGTON ALONE OR WITH TEMPORARY COVER WITH PERENNIALS	60 LBS. 30 LBS.	1.4 LBS. 0.7 LBS.	3/15-5/31	3/1-5/31	-	LOW GROWING AND SOD FORMING. ALLOW TO ESTABLISH. WILL SPREAD INTO BERMUDA LAWNS.
BERMUDA, COMMON (HULLED SEED) ALONE OR WITH TEMPORARY COVER WITH PERENNIALS	10 LBS. 6 LBS.	0.2 LBS. 0.1 LBS.	-	4/1-5/31	3/15-5/31	QUICK COVER. LOW GROWING AND SOD FORMING. NEEDS FULL SUN.
BERMUDA, COMMON (UNHULLED SEED) ALONE OR WITH TEMPORARY COVER WITH PERENNIALS	10 LBS. 6 LBS.	0.2 LBS. 0.1 LBS.	-	10/1-2/28	11/1-1/31	PLANT WITH WINTER ANNUALS PLANT WITH TALL FESCUE
BERMUDA, SPRIGS TEMPORARY COVER	40 CF SOD PLUGS 3' X 3'	0.9 CF	4/15-6/15	4/15-6/15	4/1-5/31	1 CF = 650 SPRIGS 1 BU. = 1.25 CF OR 800 SPRIGS.
CENTPEDE	BLOCK SOD ONLY	-	-	11/1-5/31	11/1-5/31	DROUGHT TOLERANT; FULL SUN OR PARTIAL SHADE; EFFECTIVE ADJACENT TO CONCRETE AND IN CONCENTRATED FLOW AREAS; IRRIGATION NEEDED UNTIL FULLY ESTABLISHED; DO NOT PLANT NEAR PASTURES.
CROWN VETCH WITH WINTER ANNUALS OR COOL WINTER GRASSES	15 LBS.	0.3 LBS.	9/1-10/15	9/1-10/10	-	MIX WITH 30 LBS. TALL FESCUE OF 15 LBS. RYE; INNOCULATE SEED; ONLY NORTH OF ATLANTA, DENSE GROWTH; DROUGHT TOLERANT AND FIRE RESISTENT
FESCUE, TALL ALONE WITH OTHER PERENNIALS	50 LBS. 30 LBS.	1.1 LBS. 0.7 LBS.	3/1-4/1 OR 8/15-10/15	9/1-10/15 OR 2/15-4/15	-	NOT FOR DROUGHTY SOILS. MIX WITH PERENNIAL LESPEDEZAS OR CROWNVETCH. APPLY TOPDRESSING IN SPRING FOLLOWING FALL PLANTINGS. NOT FOR HEAVY USE AREAS OR ATHLETIC FIELDS. 227,000 SEED PER POUND.
LESPEDEZA, SERICEA SCARIFIED	60 LBS.	1.4 LBS.	4/1-5/31	3/15-5/31	3/1-5/15	WIDELY ADAPTED AND LOW MAINTENANCE. TAKES 2-3 YEARS TO ESTABLISH. EXCELLENT ON ROADBANKS. INNOCULATE SEED WITH EL INOCULANT. MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, HAHIA, OR TALL FESCUE.
UNSCARIFIED	75 LBS.	1.7 LBS.	9/1-2/28	9/1-2/28	9/1-2/28	MIX WITH TALL FESCUE OR WINTER ANNUALS
SEED-BEARING HAY	3 TONS	138 LBS.	10/1-1/31	10/1-1/31	9/15-1/15	CUT WHEN SEED IS MATURE, BUT BEFORE IT SHATTERS. ADD TALL FESCUE OR WINTER ANNUALS.
LESPEDEZA, AMBRO VIRGETA OR APPALOW SCARIFIED	60 LBS. 75 LBS.	1.4 LBS. 1.7 LBS.	4/1-5/31 9/1-2/28	3/15-5/31 9/1-2/28	3/15-5/15 9/1-2/28	SPREADING GROWTH WITH HEIGHT OF 18"-24". GOOD IN URBAN AREAS. MIX WITH WEEPING LOVEGRASS, COMMON BERMUDA, BAHIA, TALL FESCUE, OR WINTER ANNUALS. DO NOT MIX WITH SERICEA LESPEDEZA. SLOW TO DEVELOP SOLID STANDS. INNOCULATE SEED WITH EL INOCULANT.
UNSCARIFIED						
LESPEDEZA, SHRUB (LESPEDEZA BICOLOR OR LESPEDEZA THUMBERGIL) PLANTS	3' X 3' SPACING		10/1-3/31	11/1-3/15	11/15-2/28	PLANT IN SMALL CLUMPS FOR WILDLIFE FOOD AND COVER.
LOVEGRASS, WEEPING ALONE WITH OTHER PERENNIALS	4 LBS. 2 LBS.	0.1 LBS 0.05 LBS	4/1-5/31	3/15-5/31	3/1-5/31	QUICK COVER. DROUGHT TOLERANT. GROWS WELL WITH SERICEA LESPEDEZA ON ROADBANKS.
MAIDENCANE SPRIGS	2' X 3' SPACING		2/1-3/31	2/1-3/31	2/1-3/31	FOR VERY WET SITES SUCH AS RIVERBANKS AND SHORELINES. DIG SPRIGS LOCALLY. MAY CLOG CHANNELS.
PANICGRASS, ATLANTIC COASTAL	20 LBS.	0.5 LBS	-	3/1-4/30	3/1-4/30	GROWS WELL ON COASTAL SAND DUNES, BORROW AREAS, AND GRAVEL PITS. PROVIDES WINTER COVER FOR WILDLIFE. MIX WITH SERICEA LESPEDEZA EXCEPT ON SAND DUNES.
REED CANARY GRASS ALONE WITH OTHER PERENNIALS	50 LBS. 30 LBS.	1.1 LBS. 0.7 LBS.	6/15-10/15	9/1-10/15	-	GROWS SIMILAR TO TALL FESCUE
SUNFLOWER, 'AZTEC' MAXIMILLIAN	10 LBS.	0.27 LBS.	4/15-5/31	4/15-5/31	4/1-5/31	MIX WITH WEEPING LOVEGRASS, LEGUMES, OR OTHER LOW GROWING GRASSES.

Ds3 - PERMANENT SEEDING

FERTILIZER REQUIREMENTS FOR PERMANENT VEGETATION

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	1000	-
	MAINTENANCE	10-10-10	400	30
COOL SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500	0-50
	SECOND	0-10-10	1000	-
	MAINTENANCE	0-10-10	400	-
GROUND COVERS	FIRST	10-10-10	1300	-
	SECOND	10-10-10	1300	-
	MAINTENANCE	10-10-10	1300	-
PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLET PER SEEDLING PLACED IN THE CLOSING HOLE	-
SHRUB LESPEDEZA	FIRST MAINTENANCE	0-10-10 0-10-10	700 700	- -
TEMPORARY GROUND COVER CROPS SEEDED ALONE	FIRST	10-10-10	500	30
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	800	50-100
	MAINTENANCE	10-10-10	400	30
WARM SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500	50
	SECOND	0-10-10	1000	-
	MAINTENANCE	0-10-10	400	-

APPLY AGRICULTURAL LIME AS
PRESCRIBED BY SOIL TESTS OR
AT A RATE OF 1-2 TONS PER ACRE



7/3/2025

REVISION DATES

ESPCP GENERAL NOTES

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51-0003

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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.

PETROLEUM STORAGE, SPILLS AND LEAKS

- 25
- 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.

The phone number for the Georgia Nuclear Regulatory Commission is 1-800-424-8802.

POSTCONSTRUCTION BMPs FOR STORMWATER MANAGEMENT

- 26
- All permanent postconstruction BMPs are shown in the construction plans and in the ESPCP plan. The postconstruction BMPs for this project consist of vegetation, riprap at pipe outlets for velocity dissipation, and outlet stabilization where necessary. The postconstruction BMPs will provide permanent stabilization of the site and prevent abnormal transportation of sediment and pollutants into receiving waters.

DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) Ds1

- 28
1. Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance.

2. Mulch shall have a continous 90% cover or greater of the soil surface.

3. Select one of the following mulching materials and apply at the depth indicated:

a. Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. Mulch shall be anchored immediately after application by hand or by mechancial equipment. When spread with blower-type equipment, mulch shall be anchored with emulsified asphalt sprayed onto the mulch as it is ejected from the machine.

b. Wood waste (chips, sawdust, or bark) retained from the clearing stages, or acquired otherwise, shall be applied at a depth of 2 to 3 inches. Netting of the appropriate size shall be used to anchor thee wood waste.

c. Cutback asphalt (slow curing) shall be applied at 1200 gal. per acre.

d. Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. The film shall be anchor trenched at the top as well as incrementally as necessary.

4. Maintenance shall be required to maintain appropriate depth and 90% cover.

DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING) Ds2

- 28
1. Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance.

2. Temporary grassing, instead of mulch, can be applied to rough graded areas that will be exposed for less than 6 months. If an area is expected to be undisturbed for more than 6 months, permanent perennial vegetation shall be used.

3. 10-10-10 fertilizer shall be applied at a rate of 500-700 lbs per acre before land preparation and incorporated with a disk, ripper, or chisel.

DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION) Ds3

- 28
1. Permanent vegetation shall be applied immediately to rough graded areas that will be undisturbed longer than 6 months.

2. Prepare the ground by plowing under any temporary grass and mulch areas and plowing the ground to a depth of 4 to 6 inches. Plowing shall be done on the contour, where feasible.

3. 6-12-12 or equivalent fertilizer shall be applied at a rate of 1500 lbs per acre.

4. Agricultural lime shall be applied at a rate of 1 to 2 tons per acre unless soil tests indicate otherwise.

5. Mulch shall be applied to permanent grassing areas such that 75% cover is achieved at the following rates:

A. Dry straw - 2 tons per acre

B. Dry Hay - 2 1/2 tons per acre

C. Wood Cellulose Mulch or Wood Pulp Fiber - 500 lbs per acre

D. Sericea Lespedeza Hay containing mature seed - 3 tons per acre

DISTURBED AREA STABILIZATION (WITH SODDING) Ds4

- 28
1. Permanent sodding shall be applied immediately to final grading areas that will be undisturbed throughout the remainder of construction.

2. Prepare soil surface to grade and clear surface of any trash, woody debris, stone and clods larger than 1".

3. 10-10-10 fertilizer shall be applied at a rate of 1000 lbs per acre and agricultural lime should be applied at a rate of 1 to 2 tons per acre for soil surface preparation unless soil tests indicate otherwise.

4. Sod must be staked on slopes steeper than 3:1 and in areas of concentrated flow.

5. Irrigate sod and soil to a depth of 4" immediately after installation.

CONSTRUCTION SCHEDULE AND SEQUENCE OF MAJOR ACTIVITIES

- 28
- 29
- The Contractor is responsible for developing the construction schedule for the project. The construction schedule for this project shall be submitted after the project is awarded along with the NOI. A copy of the construction schedule shall be maintained at the project site.

ACTIVITY	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6
TEMP. EROSION & SEDIMENT CONTROL						
INITIAL PERIMETER CONTROL						
CLEARING, GRUBBING & GRADING						
TEMPORARY GRASSING						
CONSTRUCTION OF DRAINAGE						
CONSTRUCTION OF CURB & GUTTER, SIDEWALK						
CONSTRUCTION OF BASE & PAVING						
FINAL GRASSING/PERM. EROSION & SED. CONTROL DEVICES						
REMOVAL OF TEMP. SED. CONTROL DEVICES						

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).



GSWCC CHECKLIST ITEM NO. PER CHECKLIST ON 51-0001

REVISION DATES		ESPCP GENERAL NOTES IDLEWOOD RD AT SARR PKWY					
		CHECKED:		DATE:		DRAWING No. 51-0005	
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31 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.

31 REPORTING

All written correspondence required by this permit shall be submitted by return receipt certified mail (or similar service) to the appropriate EPD District Office or delivery receipt email to the appropriate EPD District Office resource mailbox according to the schedule in Appendix A of this permit. The permittee shall retain a copy of the proof of submittal at the construction site or the proof of submittal shall be readily available at a designated location from commencement of construction until such time as a NOT is submitted in accordance with Part VI.

RIPRAP OUTLET PROTECTION

Information about outlet protection is included in the Riprap Outlet Protection Table.

RIPRAP OUTLET PROTECTION TABLE											
Structure #, Outfall ID#, or Station and Offset	Pipe Diameter Do (ft)	Q ₂₅ (ft ³ /s)	V ₂₅ (ft/s)	Tailwater Condition (TW<0.5 Do TW>0.5 Do)	Width at Drainage Structure W1=3Do (ft)	Apron Length La (ft)	Downstrea m Width W2=Do+La (ft)	Average Stone Diameter d ₅₀ (ft)	Apron Thickness D (ft)	Riprap Type (Type 3 or Type 1)	Quantity (yd ²)
S-1	2' Spillway	1.56	2.66	0.80	4.33	8	12.00	0.20	0.45	3	8
S-2	2' Spillway	0.95	2.25	0.80	4.33	8	12.00	0.20	0.45	3	8
S-3	2' Spillway	1.34	2.23	0.80	4.33	8	12.00	0.20	0.45	3	8
S-4	2' Spillway	1.15	2.26	0.80	4.33	8	12.00	0.20	0.45	3	8

GEORGIA
REGISTERED
No. 39833
PROFESSIONAL
ENGINEER
DARREN J. WILTON

7/3/2025

GSWCC CHECKLIST ITEM NO.
PER CHECKLIST ON 51-0001

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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.

CHANNEL PROTECTION

All channels may be stabilized exclusively with permanent grassing.

SAMPLING LOCATIONS AND GENERAL NOTES

- ⑩ 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.

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.

USE OF ALTERNATIVE AND/OR ADDITIONAL BMPS

- ③⑨ No alternative or additional BMPs will be used on this project.

STATE WATER BUFFER IMPACTS

- ⑮ State water buffers, as defined by O.C.G.A.
⑮ 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.

SOIL SERIES INFORMATION

- ④⑦ 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	RATING	COMPONENT NAME (PERCENT)	RATING REASONS (NUMERIC VALUES)	PERCENT OF AREA
CuC	Cecil-Urban land complex, 2 to 10 percent slopes	Moderate	Cecil (65%) Urban Land (35%)	N/A	73.0%
Ud	Urban land	Moderate	Urban Land (100%)	N/A	16.4%
AmB	Appling sandy loam, 2 to 6 percent slopes	Moderate	Appling (100%)	N/A	10.6%
Total					100.0%



GSWCC CHECKLIST ITEM NO. PER CHECKLIST ON 51-0001

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ESPCP GENERAL NOTES
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SAMPLING LOCATIONS AND GENERAL NOTES (CONT'D)

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SAMPLING LOCATION TABLE											Representative Sampling Scheme				
Sampling Information											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
Outfall A	STA. 102+26.68, 43.48' RT	South Fork Peachtree Creek	All	Outfall	0.10	N/A	Warm	75	N/A	Existing Ditch	Road Widening	<1	Mild	Mild	Outfall B

33 Storm water is to be sampled for nephelometric turbidity units (NTU) at the outfall location. A discharge of storm water runoff from disturbed areas where best management practices have not been properly designed, installed, and maintained shall constitute a separate violation for each day on which such conditions results in the turbidity of the discharge exceeding 75, the value that was selected from Apendix B in Permit No.GAR 100002. The NTU is based upon the site area of 1.79 acres, the surface water drainage area of 0.10 square miles, and receiving water which supports warm water fisheries.

Sample Type. All sampling shall be collected by "grab samples" and the analysis of these samples must be conducted in accordance with methodology and test procedures established by 40 CFR Part 136 (unless other test procedures have been approved), the guidance document titled "NPDES Storm Water Sampling Guidance Document, EPA 833- B-92-001" and guidance documents that may be prepared by the EPD.

(1). Sample containers should be labeled prior to collecting the samples.

(2). Samples should be well mixed before transferring to a secondary container.

(3). Large mouth, well cleaned and rinsed glass or plastic jars should be used for collecting samples. The jars should be cleaned thoroughly to avoid contamination.

(4). Manual, automatic or rising stage sampling may be utilized. Samples required by this permit should be analyzed immediately, but in no case later than 48 hours after collection. However, samples from automatic samplers must be collected no later than the next business day after their accumulation, unless flow through automated analysis is utilized. If automatic sampling is utilized and the automatic sampler is not activated during the qualifying event, the permittee must utilize manual sampling or rising stage sampling during the next qualifying event. Dilution of samples is not required. Samples may be analyzed directly with a properly calibrated turbidimeter. Samples are not required to be cooled.

(5). Sampling and analysis of the receiving water(s) or outfalls beyond the minimum frequency stated in this permit must be reported to EPD as specified in Part IV.E.

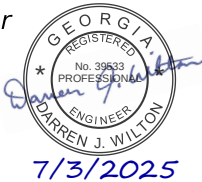
31 SAMPLING FREQUENCY

Sampling frequency shall be according to GAR100002 IV.D.6.d. Sampling by the permittee shall occur for the following qualifying events:

(a). For each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours after all clearing and grubbing operations have been completed, but prior to completion of mass grading operations, in the drainage area of the location selected as the representative sampling location;

(b). In addition to (a) above, for each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours either 90 days after the first sampling event or after all mass grading operations have been completed, but prior to submittal of a NOT, in the drainage area of the location selected as the representative sampling location, whichever comes first;

(c). At the time of sampling performed pursuant to (a) and (b) above, if BMPs in any area of the site that discharges to a receiving water or from an outfall are not properly designed, installed and maintained, corrective action shall be defined and implemented within two (2) business days, and turbidity samples shall be taken from discharges from that area of the site for each subsequent rain event that reaches or exceeds 0.5 inch during normal business hours* until the selected turbidity standard is attained, or until post-rain event inspections determine that BMPs are properly designed, installed and maintained;



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(49) *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.*

SEDIMENT STORAGE TABLE

IMPAIRED STREAM TABLE

**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 ESPCP and implement all necessary measures to meet that allocation. See Appendix 1 for additional required BMP's for this project.*



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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 AND 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	
☐	☐ 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.
☐	☐ N	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.
☐	☐ N	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.
51-0011	☒ 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.
51-0004 51-0005	☒ 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.
51-0009	☒ Y	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.
☐	☐ N	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).
☐	☐ N	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.
☐	☐ N	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.
☐	☐ N	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.
☐	☐ N	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 site.
☐	☐ N	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.
☐	☐ N	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	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.
☐	☐ N	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.
51-0011	☒ 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. *
☐	☐ N	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.
☐	☐ N	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)
☐	☐ N	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.
☐	☐ N	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. <i>The Plan must include a statement that the primary permittee must retain the design professional who prepared the Plan to conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase.</i>
☐	☐ N	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 Standard Specification 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:
https://www.tuckerga.gov/building_projects/idlewood-rd-roundabouts/#

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.

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) *



GSWCC CHECKLIST ITEM NO. PER CHECKLIST ON 51-0001

Kimley»Horn

Engineering, Planning, And Environmental Consultants
3930 East Jones Bridge Road, Suite 350
Peachtree Corners, Georgia 30092

NOT TO SCALE

REVISION DATES

ESPCP GENERAL NOTES
IDLEWOOD RD AT SARR PKWY

CHECKED:		DATE:		DRAWING No.:
BACKCHECKED:		DATE:		
CORRECTED:		DATE:		
VERIFIED:		DATE:		51-0011

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. 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. WHEN NECESSARY, BUFFER ZONES ARE TO BE PROTECTED BY ORANGE BARRIER FENCE.
	SYMBOL		
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. MULCHING REQUIREMENTS ARE ADDRESSED BY STANDARD SPECIFICATIONS AND/OR THE PROJECT ENGINEER. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL		
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. TEMPORARY GRASSING SHOULD BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATIONS. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL		

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. PERMANENT VEGETATION SHALL BE USED ON ALL PROJECTS ACCORDING TO THE STANDARD SPECIFICATION. THE BMP SYMBOL FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	SYMBOL		
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. 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. THE BMP PATTERN FOR APPLICABLE AREAS AND/OR A NOTE SHALL BE INCLUDED ON APPLICABLE SHEETS IN SECTION 54.
	PATTERN		
F1-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. 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! 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	 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. 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		

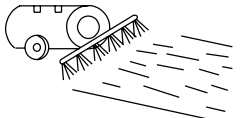
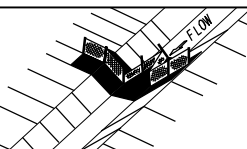
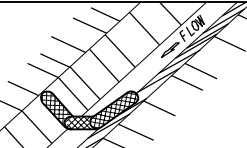
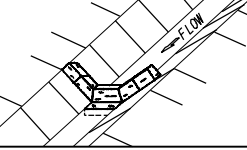
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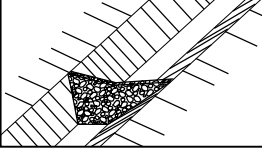
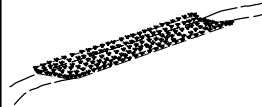
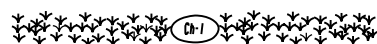
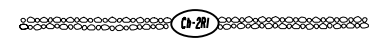
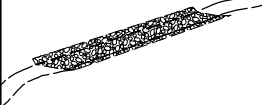
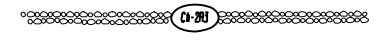
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA'.



NO SCALE

REVISION DATES			EROSION CONTROL LEGEND		
3/2/2017			UNIFORM CODE SHEET		
			SHEET 1 OF 7		
CHECKED:	D. EAGLETON	DATE: 01/01/16	DRAWING No.		
BACKCHECKED:		DATE:			
CORRECTED:		DATE:			
VERIFIED:		DATE:	52-0001		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ss	SLOPE STABILIZATION CONSTRUCTION DETAIL D-35 SECTION 716		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. SLOPE STABILIZATION MAY BE A ROLLED EROSION CONTROL PRODUCT (RECP) OR A HYDRAULIC EROSION CONTROL PRODUCT (HECP).
	PATTERN 		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. NOTE: ONLY COCONUT FIBER BLANKET OR WOOD FIBER BLANKET SHALL BE USED AS SLOPE STABILIZATION WITHIN BUFFERED AREAS.
Tac	TACKIFIERS SECTION 163, 700, 895		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. 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.
	SYMBOL  POLYACRYLAMIDE		REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR CRITERIA.
Cd-F	FABRIC CHECK DAM CONSTRUCTION DETAIL D-24D SECTION 171		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.
	SYMBOL 		THIS ITEM IS SUITABLE FOR USE IN ROADSIDE DITCHES THAT ARE PART OF INFRASTRUCTURE CONSTRUCTION PROJECTS AND WITHIN THE CLEAR ZONE. 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 CONSTRUCTION DETAIL D-52 SECTION 163		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.
	SYMBOL 		REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR MATERIAL SPECIFICATIONS. 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 CONSTRUCTION DETAIL D-52 SECTION 163		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.
	SYMBOL 		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 CONSTRUCTION DETAIL D-56 SECTION 163, 603		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. 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. 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.
	SYMBOL 		
Ch-1	VEGETATED CHANNEL STABILIZATION SECTION 700		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. TYPICALLY NOT SHOWN IN PLANS.
	LINE CODE 		
Ch-2R1	CHANNEL STABILIZATION RIP-RAP, TYPE 1 CONSTRUCTION DETAIL D-49 SECTION 603		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.
	LINE CODE 		"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 CONSTRUCTION DETAIL D-49 SECTION 603		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.
	LINE CODE 		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

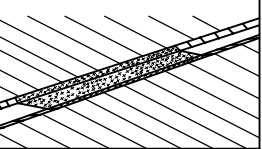
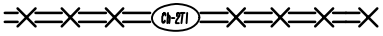
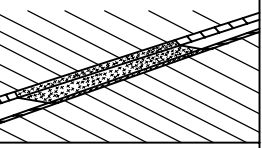
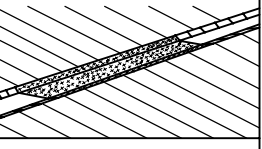
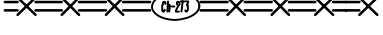
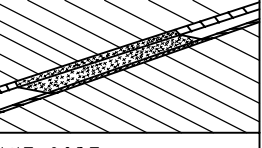
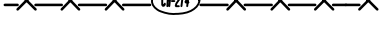
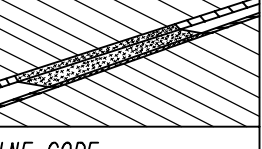
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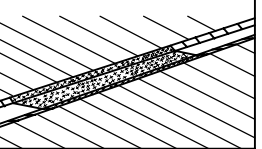
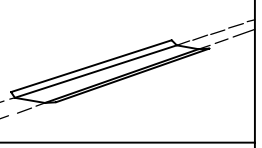
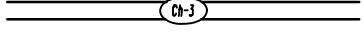
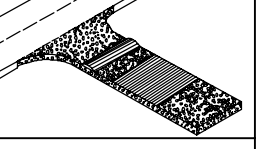
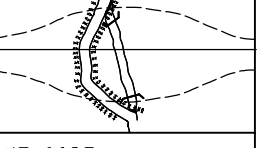
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".



NO SCALE

REVISION DATES			EROSION CONTROL LEGEND		
3/2/2017			UNIFORM CODE SHEET		
11/28/2018			SHEET 2 OF 7		
			CHECKED: D. EAGLETON	DATE: 01/01/16	DRAWING No.
			BACKCHECKED:	DATE:	
			CORRECTED:	DATE:	
			VERIFIED:	DATE:	52-0002

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Ch-2T1	TURF REINFORCEMENT MAT (TRM) CONSTRUCTION DETAIL D-35 SECTION 711		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.
	LINE CODE		"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		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.
	LINE CODE		"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		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.
	LINE CODE		"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		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.
	LINE CODE		"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		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.
	LINE CODE		"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		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.
	LINE CODE		"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 CONSTRUCTION DETAIL D-10, D-49 SECTION 441		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.
	LINE CODE		"Dp" SHALL BE IDENTIFIED IN A TABLE LOCATED ON THE SUMMARY OF QUANTITIES SHEETS AND IN THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. RIP-RAP SHOULD BE USED TO DISSIPATE ENERGY DOWNSTREAM OF CONCRETE LINED CHANNELS.
Co	CONSTRUCTION EXIT CONSTRUCTION DETAIL D-41 SECTION 163, 800		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.
	SYMBOL		ALL CONSTRUCTION EXIT REQUIREMENTS ARE INCLUDED IN THE PRICE OF THE CONSTRUCTION EXIT.
Dc-A	STREAM DIVERSION CHANNEL GEOTEXTILE, POLYETHYLENE FILM SECTION 163		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 Sd1-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.
	LINE CODE		THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.

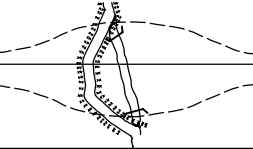
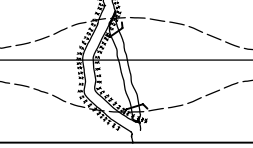
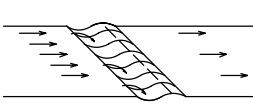
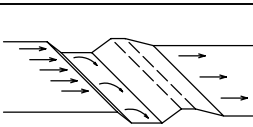
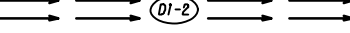
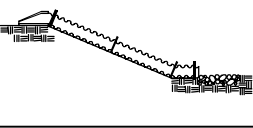
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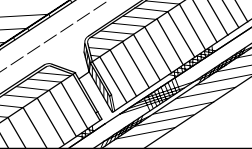
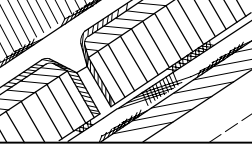
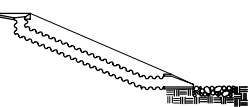
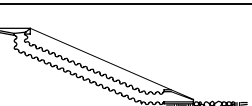
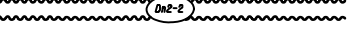
- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- FOR ADDITIONAL INFORMATION ON THE DESIGN AND APPLICATION OF EROSION AND SEDIMENT CONTROL BEST MANAGEMENT PRACTICES (BMPs), REFER TO THE LATEST EDITION OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION'S, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".



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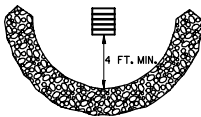
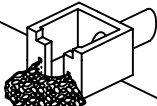
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3/2/2017				UNIFORM CODE SHEET			
				SHEET 3 OF 7			
CHECKED:	D. EAGLETON	DATE:	01/01/16	DRAWING No.			
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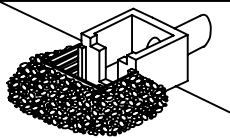
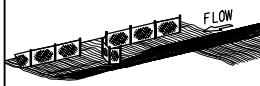
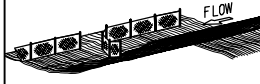
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Dc-B	STREAM DIVERSION CHANNEL GEOTEXTILE ONLY SECTION 163		A TEMPORARY CHANNEL CONSTRUCTED TO CONVEY FLOW AROUND A CONSTRUCTION SITE WHILE A PERMANENT DRAINAGE STRUCTURE IS BEING CONSTRUCTED IN A NATURAL STREAM. THIS IS A MEASURE USED TO PROTECT STREAM BEDS FROM EROSION. LINE THE CHANNEL WITH GEOTEXTILE ONLY. INSTALL TWO ROWS OF Sd1-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.
	LINE CODE —D—D—D—Dc-B—D—D—D—		THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
Dc-C	STREAM DIVERSION CHANNEL RIP-RAP & GEOTEXTILE SECTION 163		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 Sd1-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.
	LINE CODE —D—D—D—Dc-C—D—D—D—		THE DRAINAGE AREA SHALL BE NOT GREATER THAN 1 SQUARE MILE. CONSTRUCTION OF THE DIVERSION CHANNEL IS INCLUDED IN THE COST OF THE STRUCTURE.
D1-1	DIVERSION BERM CONSTRUCTION DETAIL D-47 SECTION 205		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 'Dn1' OR CATCHMENT AREAS AND ON ALL GRADING PROJECTS.
	LINE CODE 		
D1-2	DIVERSION CHANNEL SECTION 205		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. 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.
	LINE CODE 		RUNOFF FROM DISTURBED AREAS WITHIN THE PROJECT AREA SHALL NOT BE ALLOWED TO CONVERGE WITH OFFSITE RUNOFF WITHIN THIS DIVERSION.
Dn1	TEMPORARY DOWNDRAIN STRUCTURE FLEXIBLE CONSTRUCTION DETAIL D-19 SECTION 163		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'.
	LINE CODE —T—T—T—Dn1—T—T—T—		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		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).
	LINE CODE 		
Dn2-B	PERMANENT DOWNDRAIN STRUCTURE CONCRETE CONSTRUCTION DETAIL D-9 SECTION 441		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).
	LINE CODE 		
Dn2-1	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP1, 9017J TP1, DETAIL D-26 TP1 SECTION 576, 577		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).
	LINE CODE 		
Dn2-2	PERMANENT DOWNDRAIN STRUCTURE GA. STD 9013 TP2, 9017J TP2, DETAIL D-26 TP2 SECTION 576, 577		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).
	LINE CODE 		

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".

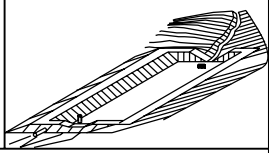
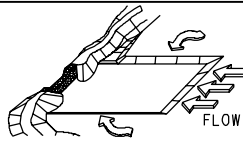
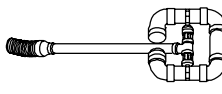
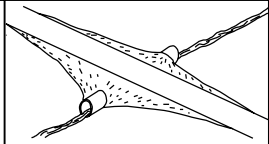
CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Fr	FILTER RING CONSTRUCTION DETAIL D-46 SECTION 163		A TEMPORARY STONE BARRIER CONSTRUCTED AT DRAINAGE STRUCTURE INLETS AND POST-CONSTRUCTION POND OUTLETS. IT REDUCES RUNOFF VELOCITY AND HELPS PREVENT SEDIMENT FROM LEAVING SITE PRIOR TO PERMANENT STABILIZATION OF THE DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION ON USAGE.
	SYMBOL Fr		
Rd	ROCK FILTER DAM CONSTRUCTION DETAIL D-43 SECTION 163, 603		ROCK FILTER DAMS ARE CONSTRUCTED OF TYPE 3 STONE RIP-RAP FACED WITH *57 STONE ON THE UPSTREAM SIDE. THEY ARE PLACED ACROSS DRAINAGWAYS WHICH DRAIN 50 ACRES OR LESS. GEOTEXTILE UNDERLINER SHALL BE USED WHEN PLACING ROCK FILTER DAMS. THE DAM SHOULD NOT BE HIGHER THAN THE CHANNEL BANKS. ROCK FILTER DAMS SHOULD BE USED IN DITCHES PRIOR TO DISCHARGING INTO STREAMS, WETLANDS, OPEN-WATERS, OR OTHER ESAs.
	SYMBOL 		
Rd-B	STONE FILTER BERM CONSTRUCTION DETAIL D-50 SECTION 163, 603		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. 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.
	LINE CODE 		
Rp	RIP-RAP SECTION 603		RIP-RAP IS A FLEXIBLE PERMANENT BLANKET FOR PROTECTION OF FILL SLOPES AND BRIDGE END ROLLS. RIP-RAP TYPE-1 SHOULD BE PLACED ON TOP OF A GEOTEXTILE UNDERLINER AT A MINIMUM 24" THICKNESS OR AS INDICATED ON THE PLANS. 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.
	PATTERN 		
Rt-P	RETROFITTING PERFORATED HALF-ROUND PIPE CONSTRUCTION DETAIL D-44 SECTION 163		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. SHOULD BE USED ONLY IN DETENTION PONDS WITH LESS THAN 30 ACRES TOTAL DRAINAGE AREA. SHALL ONLY BE USED IN DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
	SYMBOL Rt-P		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Rt-B	RETROFITTING SLOTTED BOARD DAM CONSTRUCTION DETAIL D-45 SECTION 163		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. PERMANENT STORMWATER DETENTION POND OUTLET: -DRAINAGE AREA UP TO 100 ACRES -DETENTION BASINS LARGE ENOUGH TO STORE 67 CUBIC YARDS OF SEDIMENT PER ACRE OF DISTURBED AREA ROADWAY DRAINAGE STRUCTURE: -OPEN END PIPES, WINGED HEADWALLS, OR CONCRETE WEIR OUTLETS WITH DRAINAGE AREA LESS THAN 30 ACRES REFER TO THE LATEST EDITION OF THE 'MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA' FOR DESIGN CRITERIA.
	SYMBOL Rt-B		
Rt-Sg1 Rt-Sg2 Rt-Sg3	RETROFITTING SILT CONTROL GATES CONSTRUCTION DETAIL D-20 SECTION 163	 FRONT VIEW	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. DO NOT USE SILT GATES IN STATE WATERS. Rt-Sg1=TYPE 1: USED ON BOX CULVERTS Rt-Sg2=TYPE 2: USED ON STRAIGHT HEADWALLS Rt-Sg3=TYPE 3: USED ON FLARED END SECTIONS AND TAPERED HEADWALLS
		SYMBOL Rt-Sg1 Rt-Sg2 Rt-Sg3	
Sd1-NS	SEDIMENT BARRIER (NON-SENSITIVE) SILT FENCE TYPE A CONSTRUCTION DETAIL D-24 SECTION 171		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. TYPE-A SILT FENCE IS TYPICALLY USED IN NON-ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS LESS THAN 10'.
	LINE CODE A—A—A— Sd1-NS —A—A—A—		IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.
Sd1-S	SEDIMENT BARRIER (SENSITIVE) SILT FENCE TYPE C CONSTRUCTION DETAIL D-24 SECTION 171		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. TYPE-C SILT FENCE IS TYPICALLY USED IN ENVIRONMENTALLY SENSITIVE AREAS (ESAs) OR IN AREAS WITH FILLS 10' AND GREATER.
	LINE CODE C—C—C— Sd1-S —C—C—C—		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. IT SHOULD BE PLACED A MINIMUM OF 10' FROM CONSTRUCTION LIMITS OR ALONG THE RIGHT-OF-WAY LINE.

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd1-BB	SEDIMENT BARRIER BRUSH BARRIER CONSTRUCTION DETAIL D-24B SECTION 201		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. TYPICALLY NOT SHOWN ON PLANS. PAYMENT FOR THIS ITEM IS INCLUDED IN THE CLEARING AND GRUBBING COST. NO SEPARATE PAYMENT SHALL BE MADE.
	LINE CODE * * * Sd1-BB * * *		
Sd2-B	INLET SEDIMENT TRAP (BAFFLE BOX) CONSTRUCTION DETAIL D-42 SECTION 163		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.
	SYMBOL Sd2-B		
Sd2-Bg	INLET SEDIMENT TRAP (BLOCK & GRAVEL) CONSTRUCTION DETAIL D-42 SECTION 163		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.
	SYMBOL Sd2-Bg		
Sd2-F	INLET SEDIMENT TRAP (FILTER FABRIC) CONSTRUCTION DETAIL D-24C SECTION 163	 OR  OR 	(a) A SEDIMENT BARRIER CONSISTING OF A PREFABRICATED FRAME WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (b) A SEDIMENT BARRIER CONSISTING OF A PERFORATED METAL STAND PIPE WITH FILTER FABRIC USED AROUND A DROP INLET OR CATCH BASIN. (c) TYPE C SILT FENCE WITH SUPPORTING FRAME CAN BE USED AS AN ALTERNATE TO INLET SEDIMENT TRAP FOR AREAS WITH SLOPES < 5%. 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.
	SYMBOL Sd2-F		
Sd2-G	INLET SEDIMENT TRAP (GRAVEL) CONSTRUCTION DETAIL D42 SECTION 163		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.
	SYMBOL Sd2-G		

CODE	PRACTICE STD OR DETAIL SPEC. SECT.	DETAIL	DESCRIPTION
Sd3	TEMPORARY SEDIMENT BASIN CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		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.
	SYMBOL Sd3		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 CONSTRUCTION DETAIL D-53 SECTION 163		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.
	SYMBOL Sd4-C		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. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR DESIGN CRITERIA.
Sk	FLOATING SURFACE SKIMMER CONSTRUCTION DETAIL D-22A, D-22B SECTION 163		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.
	SYMBOL Sk		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. REFER TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" FOR ADDITIONAL INFORMATION.
Sr	TEMPORARY STREAM CROSSING SECTION 107		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.
	SYMBOL Sr		THIS BMP SHALL BE DESIGNED ACCORDING TO THE LATEST EDITION OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". FOR CONTRACTOR'S USE ONLY!

NOTE:

- DO NOT USE EROSION CONTROL ITEMS IN A FLOWING STREAM OR IN A TIDAL AREA BELOW HIGH TIDE.
- 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".



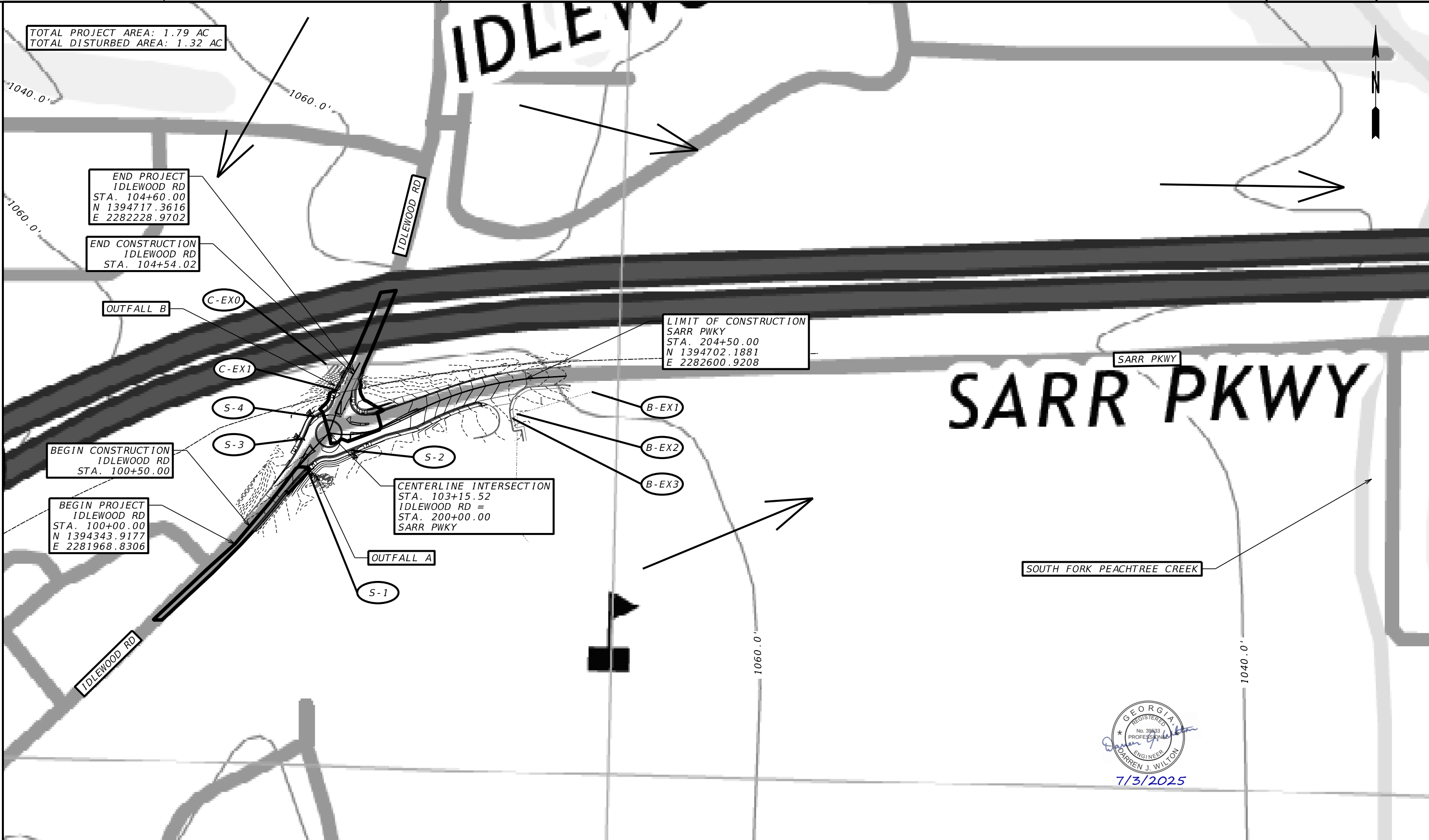
NO SCALE

REVISION DATES			EROSION CONTROL LEGEND		
3/2/2017			UNIFORM CODE SHEET		
11/28/2018			SHEET 6 OF 7		
			CHECKED: D. EAGLETON	DATE: 01/01/16	DRAWING No.
			BACKCHECKED:	DATE:	
			CORRECTED:	DATE:	
			VERIFIED:	DATE:	52-0006

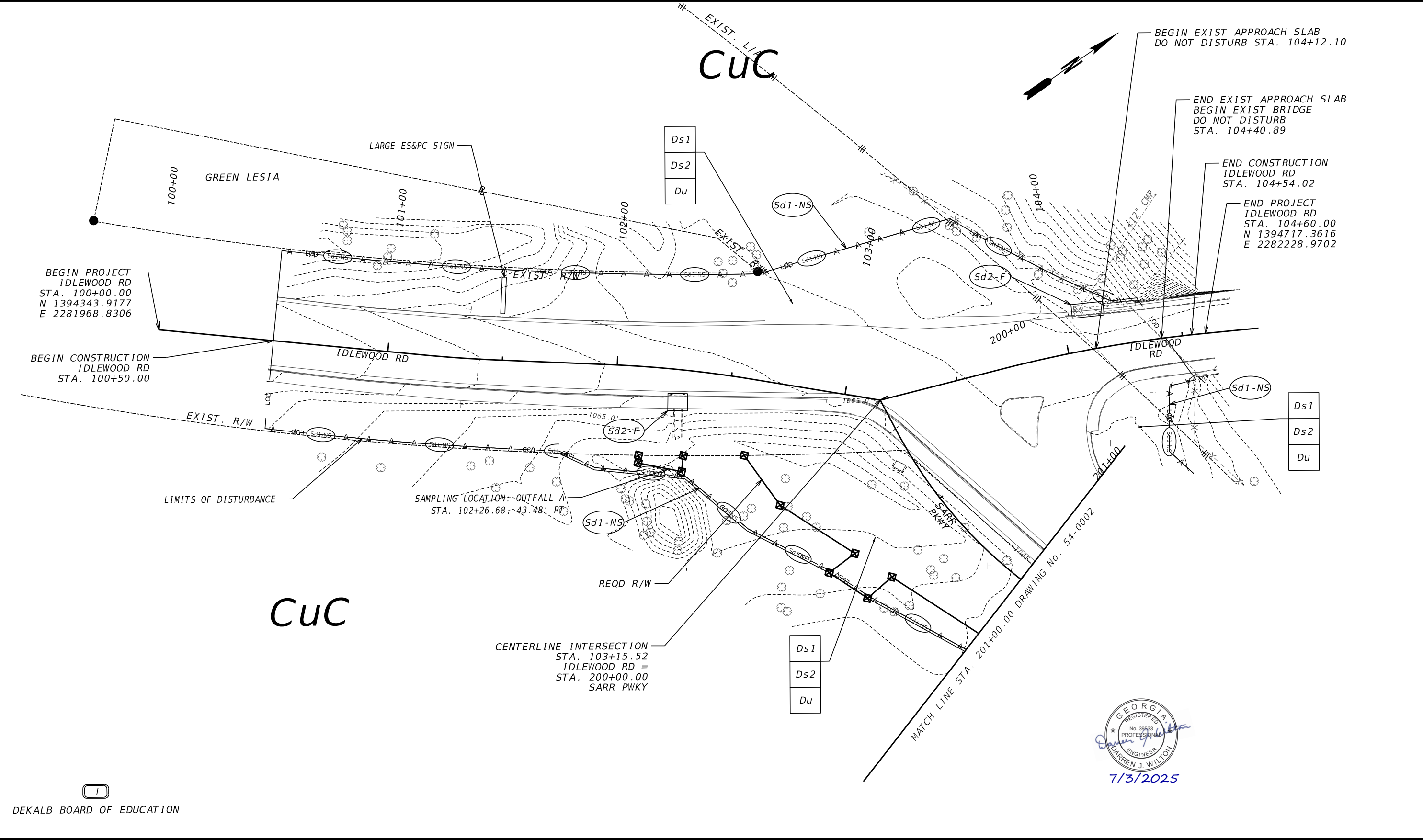
T. C.

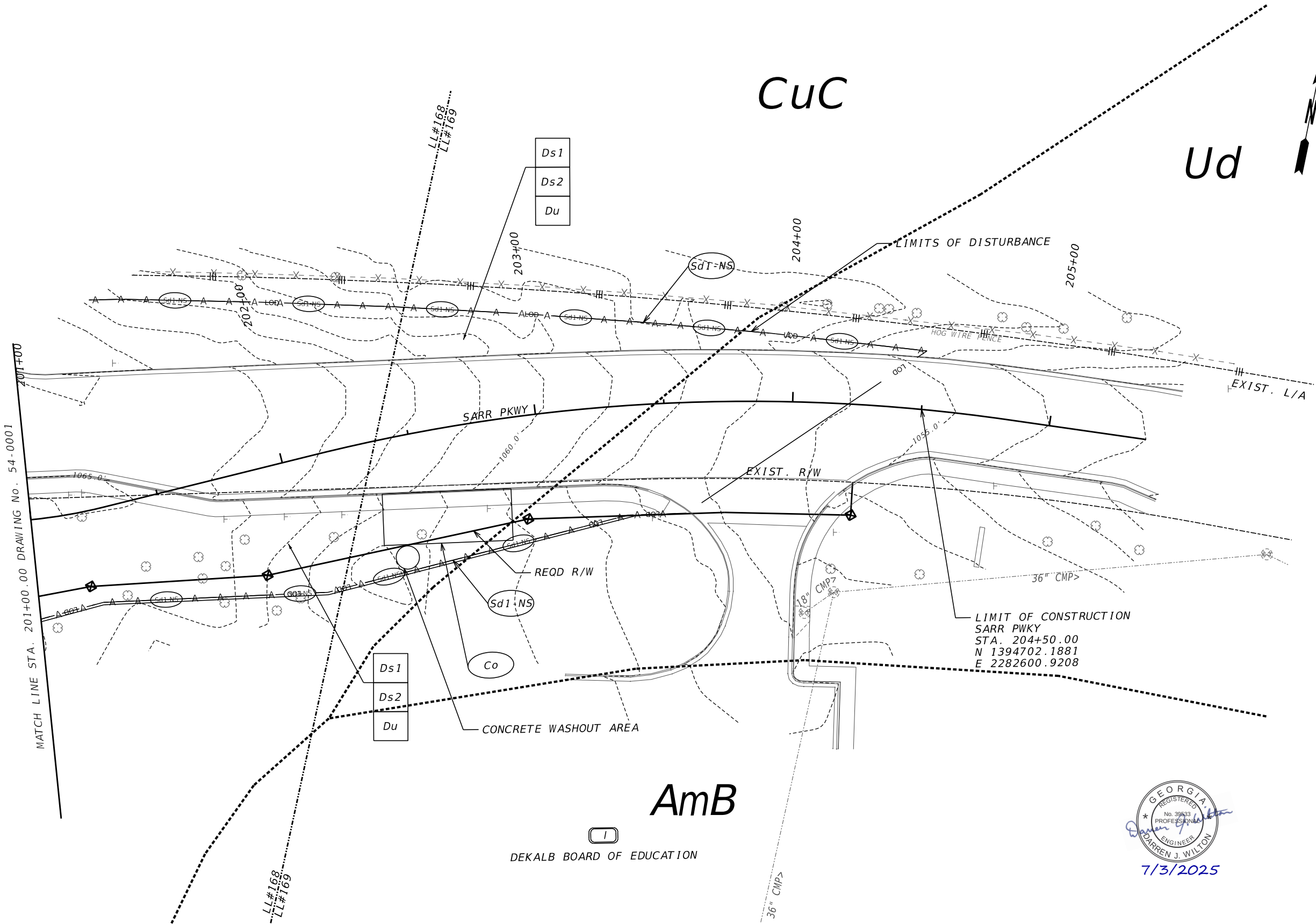
DESCRIPTION

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'.



GEORGIA
REGISTERED
No. 39533
PROFESSIONAL
ENGINEER
DARREN J. WILTON
7/3/2025





GEORGIA
REGISTERED
No. 39533
PROFESSIONAL
ENGINEER
DARREN J. WILTON
7/3/2025

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 350, 3930 East Jones Bridge Road
Peachtree Corners, Georgia 30092

SCALE IN FEET

0

20

40

80

REVISION DATES

BMP LOCATION DETAILS

IDLEWOOD RD AT SARR PKWY

INITIAL PHASE

CHECKED:

DATE:

BACKCHECKED:

DATE:

CORRECTED:

DATE:

VERIFIED:

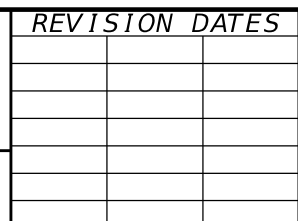
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DRAWING No:

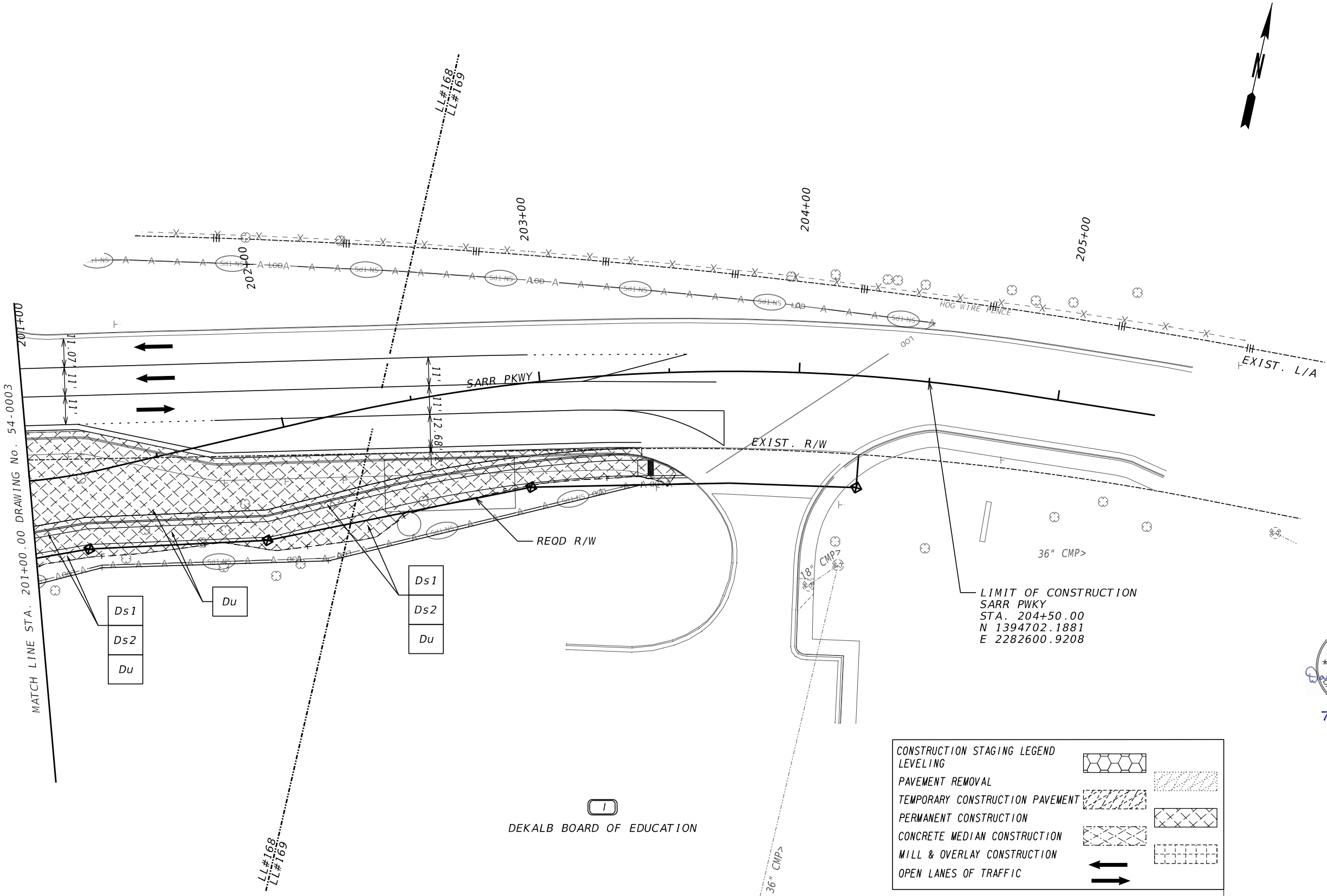
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BMP LOCATION DETAILS			
IDLEWOOD RD AT SARR PKWY INTERMEDIATE PHASE - STAGE 1			
CHECKED:		DATE:	
BACKCHECKED:		DATE:	
CORRECTED:		DATE:	
VERIFIED:		DATE:	
			DRAWING No.
			54-0003



7/3/2025

CONSTRUCTION STAGING LEGEND

LEVELING

PAVEMENT REMOVAL

TEMPORARY CONSTRUCTION PAVEMENT

PERMANENT CONSTRUCTION

CONCRETE MEDIAN CONSTRUCTION

MILL & OVERLAY CONSTRUCTION

OPEN LANES OF TRAFFIC

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

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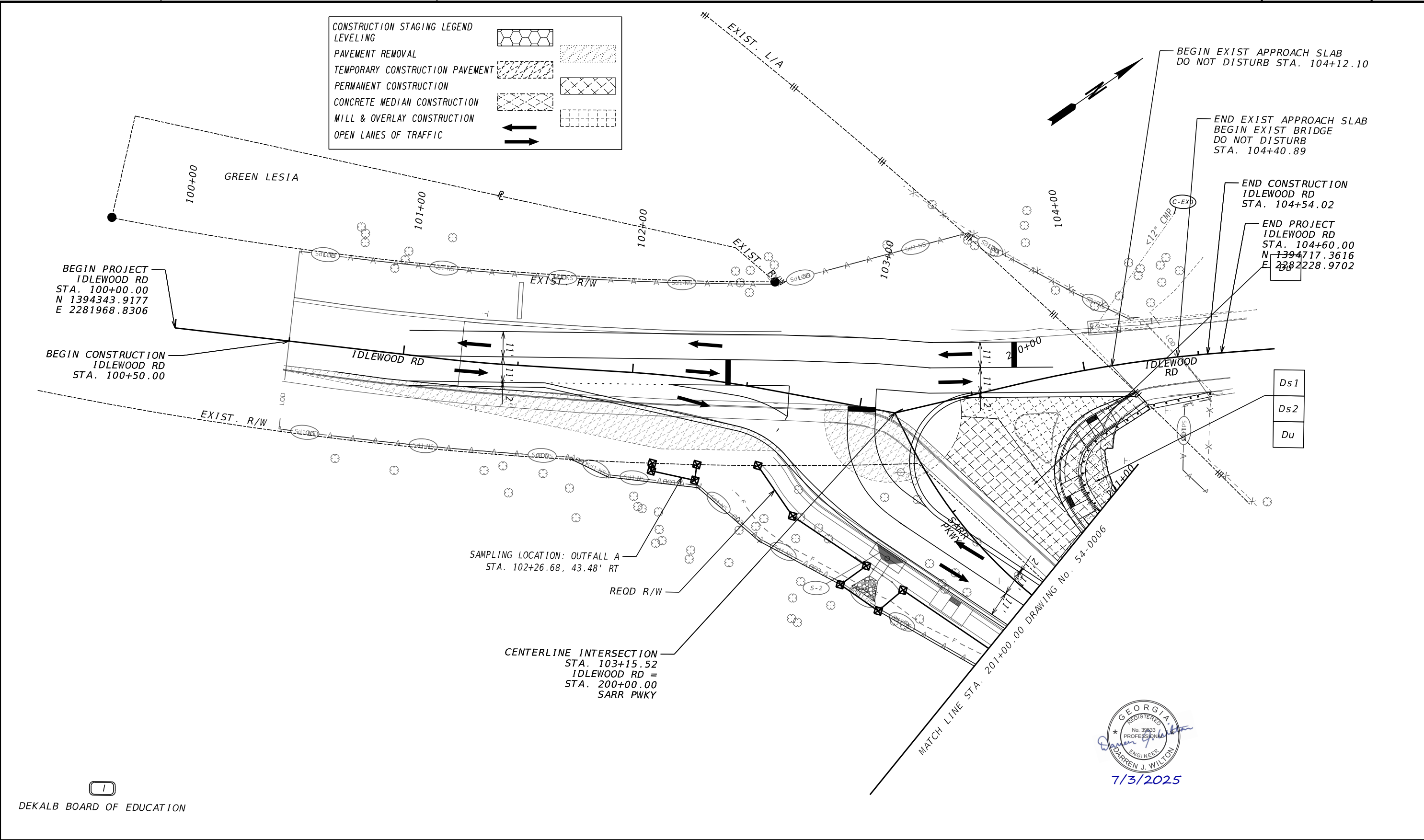


REVISION DATES

BMP LOCATION DETAILS
IDLEWOOD RD AT SARR PKWY
INTERMEDIATE PHASE - STAGE 1

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CORRECTED:		DATE:	
VERIFIED:		DATE:	

DRAWING No.:
54-0004



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

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SCALE IN FEET

REVISION DATES		

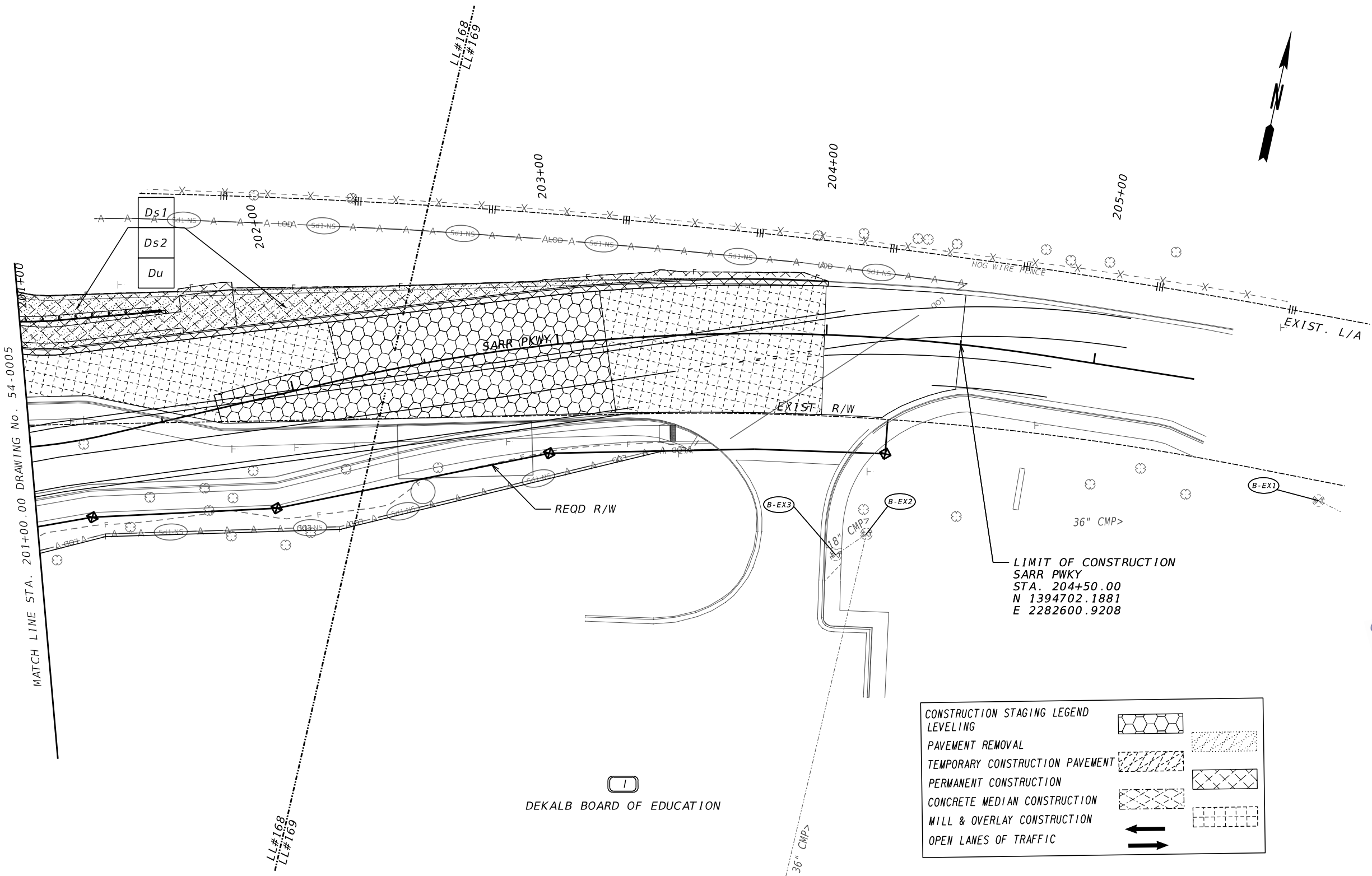
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IDLEWOOD RD AT SARR PKWY

INTERMEDIATE PHASE - STAGE 2

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CORRECTED:	DATE:	
VERIFIED:	DATE:	

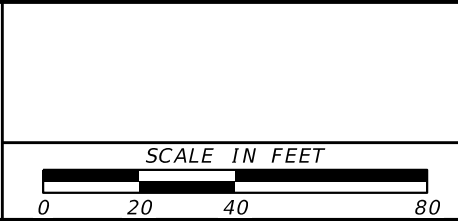
7/3/2025



GEORGIA
REGISTERED
No. 39533
PROFESSIONAL
ENGINEER
DARREN J. WILTON
7/3/2025

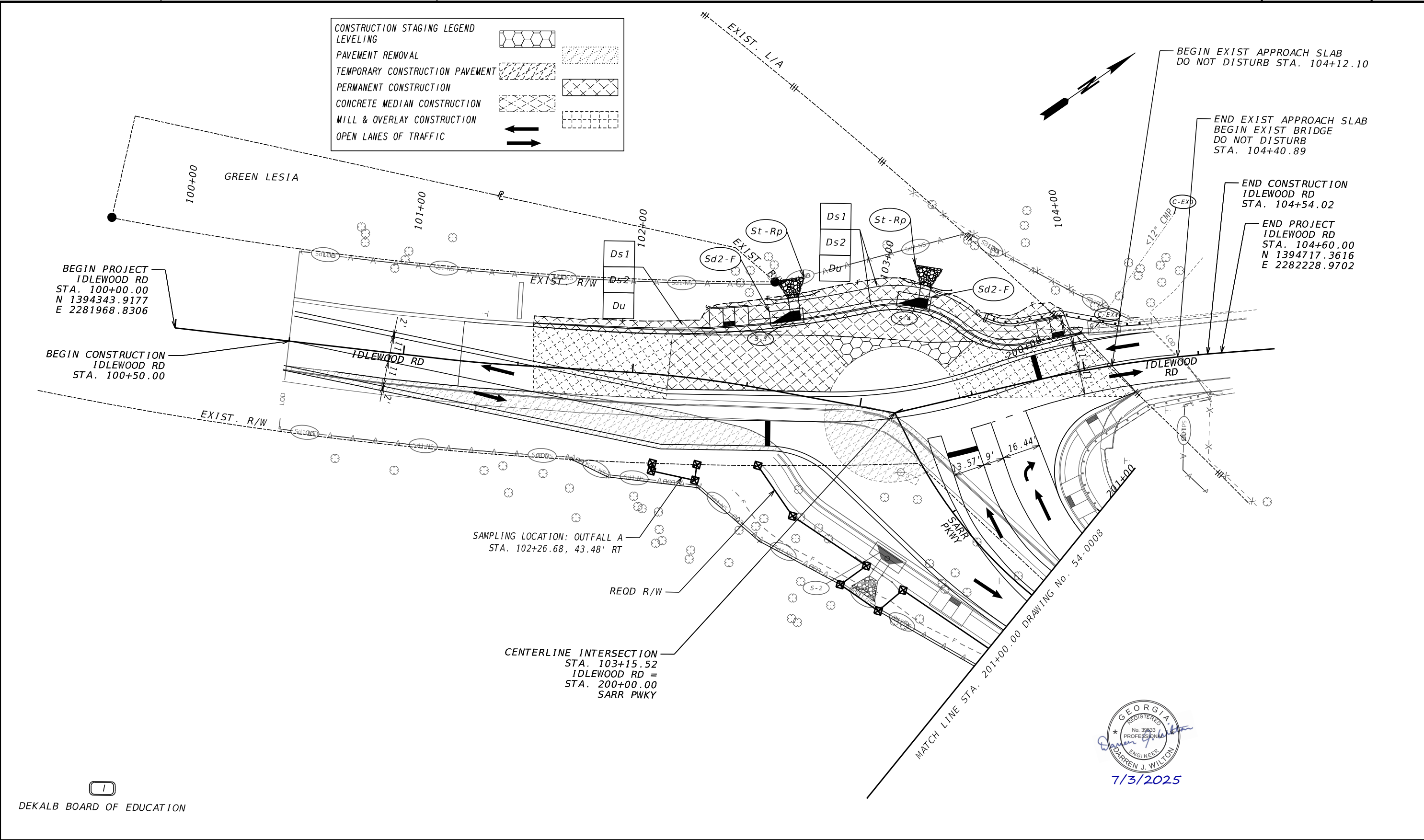
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REQUIRED R/W LINE	-----#-----	END LIMIT OF ACCESS.....ELA	-----oo-----
CONSTRUCTION LIMITS	-----C-----F-----	EXISTING LIMIT OF ACCESS	-----oo-----
EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES	-----C-----F-----	REQ'D LIMIT OF ACCESS	-----oo-----
EASEMENT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

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REVISION DATES		

BMP LOCATION DETAILS					
IDLEWOOD RD AT SARR PKWY					
INTERMEDIATE PHASE - STAGE 2					
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7/3/2025

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

---#---

---C---F---

[Pattern]

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[Pattern]

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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Peachtree Corners, Georgia 30092

SCALE IN FEET

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REVISION DATES		

BMP LOCATION DETAILS

IDLEWOOD RD AT SARR PKWY

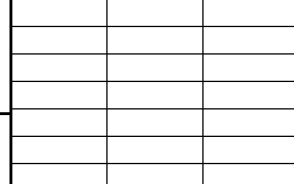
INTERMEDIATE PHASE - STAGE 3

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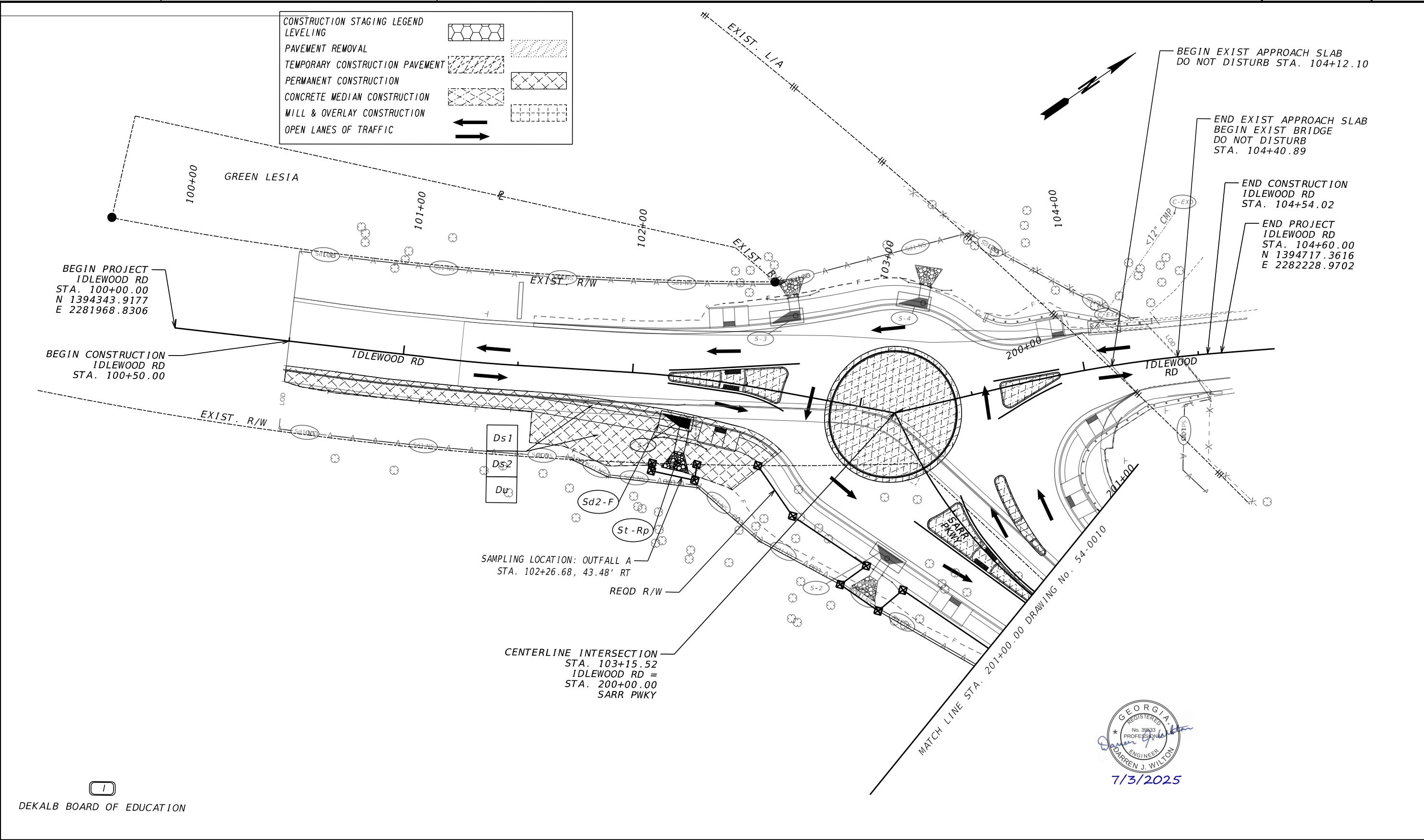
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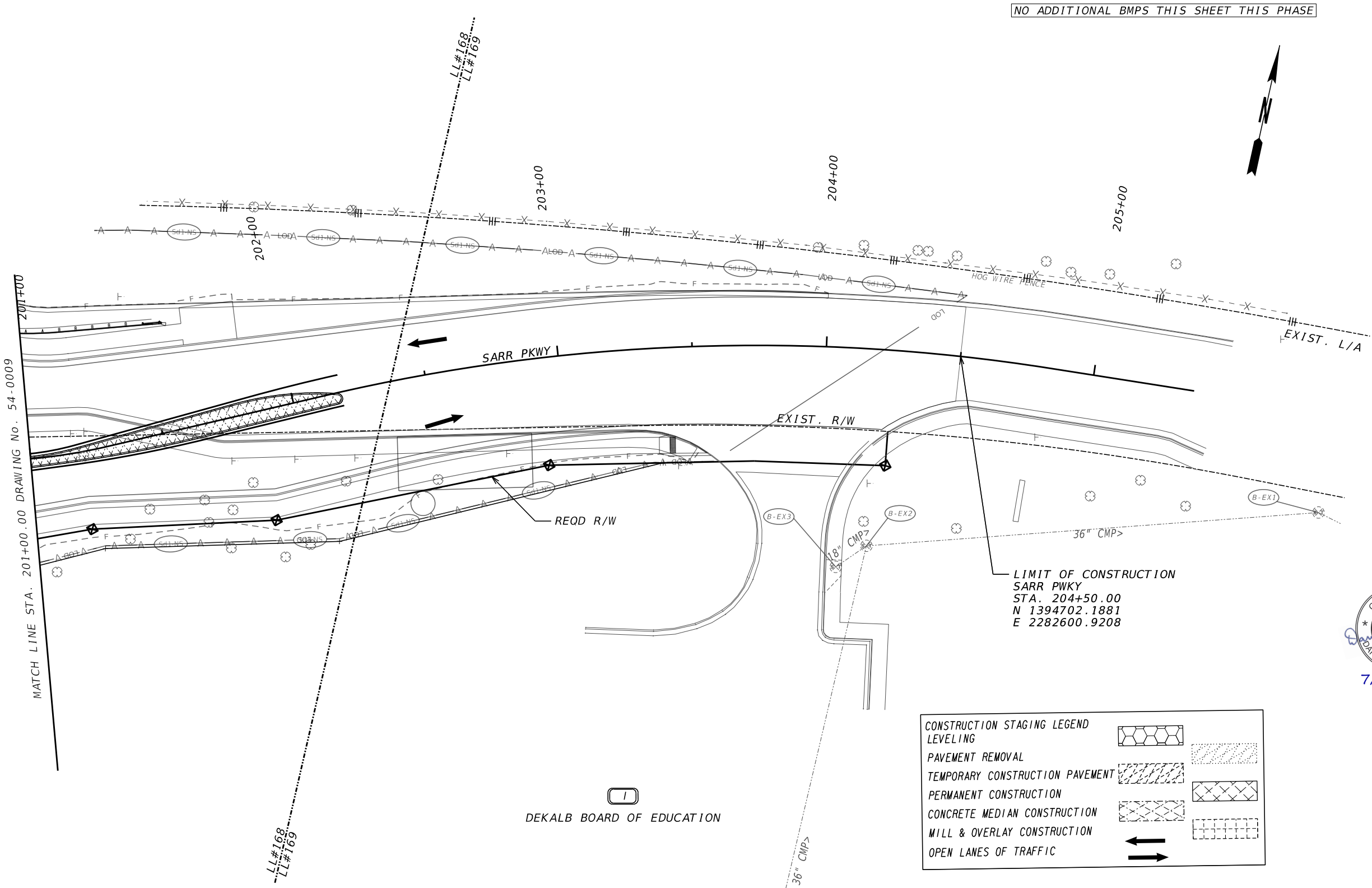


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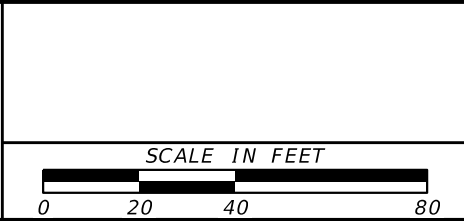
PROPERTY AND EXISTING R/W LINE REQUIRED R/W LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRIVES		BEGIN LIMIT OF ACCESS.....BLA		Engineering, Planning, and Environmental Consultants Suite 350, 3930 East Jones Bridge Road Peachtree Corners, Georgia 30092	SCALE IN FEET 	REVISION DATES			BMP LOCATION DETAILS			
		END LIMIT OF ACCESS.....ELA							IDLEWOOD RD AT SARR PKWY			
		EXISTING LIMIT OF ACCESS							INTERMEDIATE PHASE - STAGE 4			
		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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GEORGIA REGISTERED PROFESSIONAL ENGINEER
No. 39533
DARREN J. WILTON
7/3/2025

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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REVISION DATES		

BMP LOCATION DETAILS					
IDLEWOOD RD AT SARR PKWY					
INTERMEDIATE PHASE - STAGE 4					
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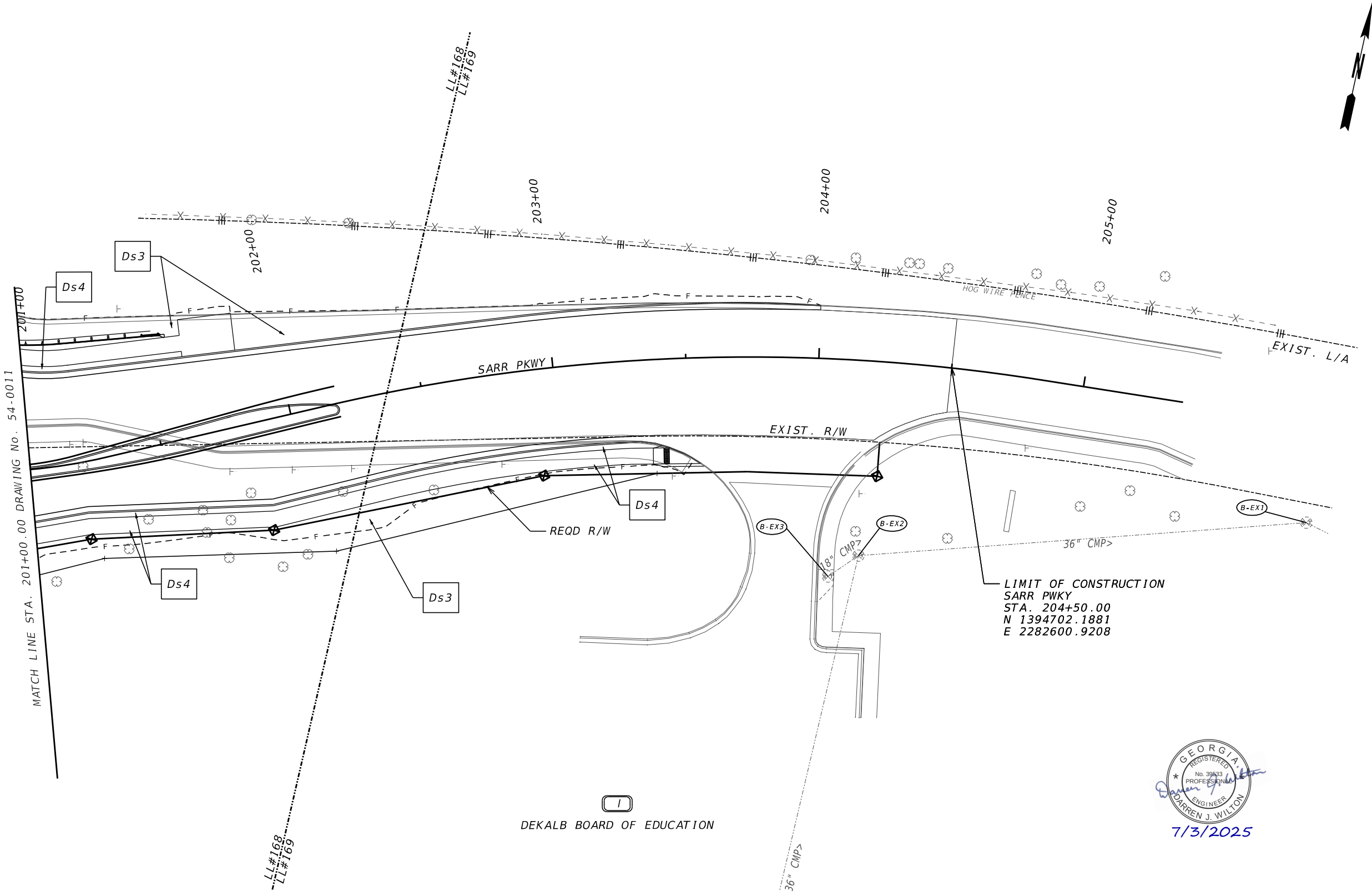
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		END LIMIT OF ACCESS.....ELA							IDLEWOOD RD AT SARR PKWY				
		EXISTING LIMIT OF ACCESS							FINAL PHASE				
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ORANGE BARRIER FENCE				VERIFIED:		DATE:							
ESA - ENV. SENSITIVE AREA													

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SCALE IN FEET

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7/3/2025

PROPERTY AND EXISTING R/W LINE	-----#-----	BEGIN LIMIT OF ACCESS.....BLA	-----oo-----
REQUIRED R/W LINE	-----C-----F-----	END LIMIT OF ACCESS.....ELA	-----oo-----
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	▼-----▼-----▼

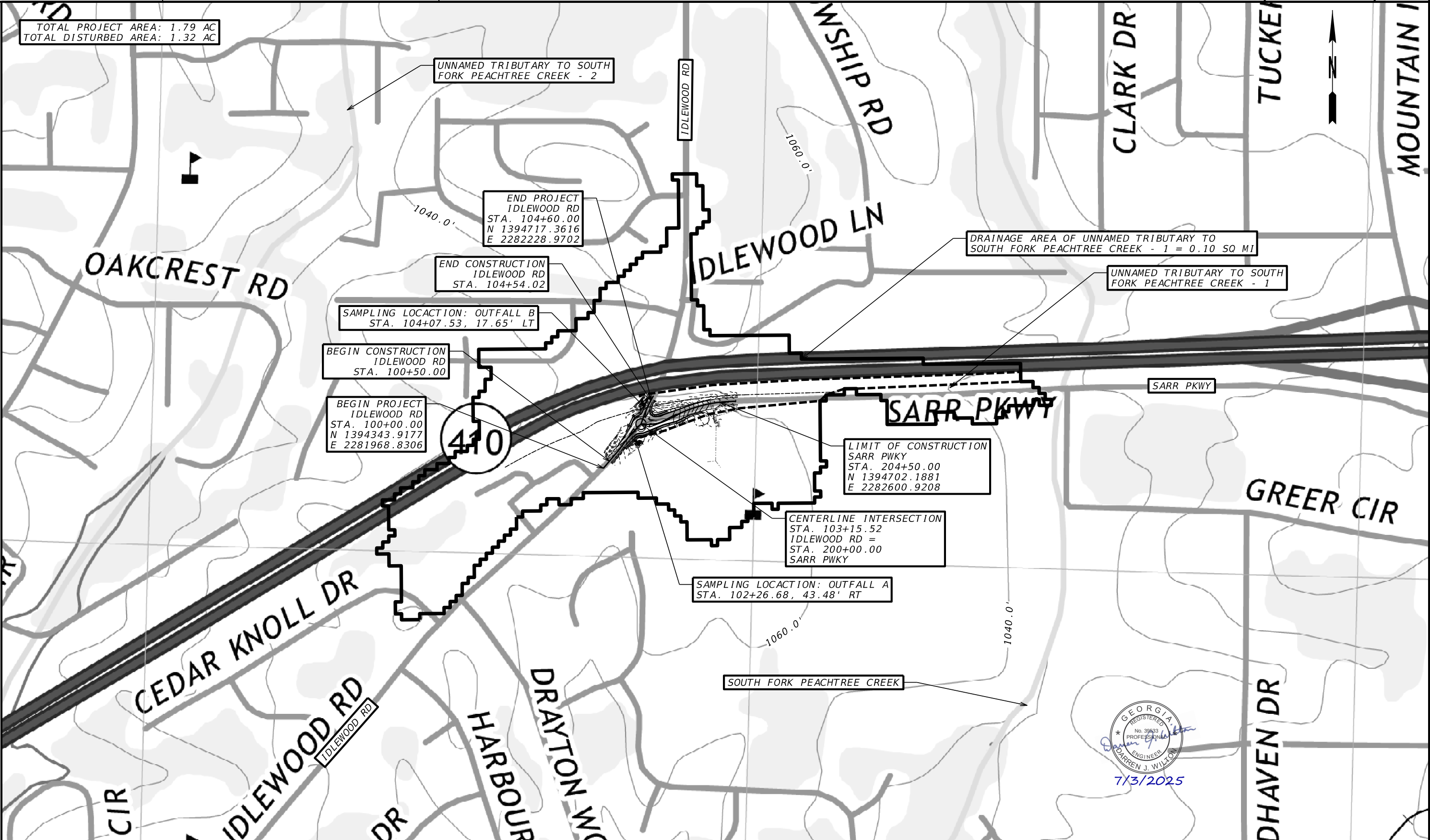
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SCALE IN FEET

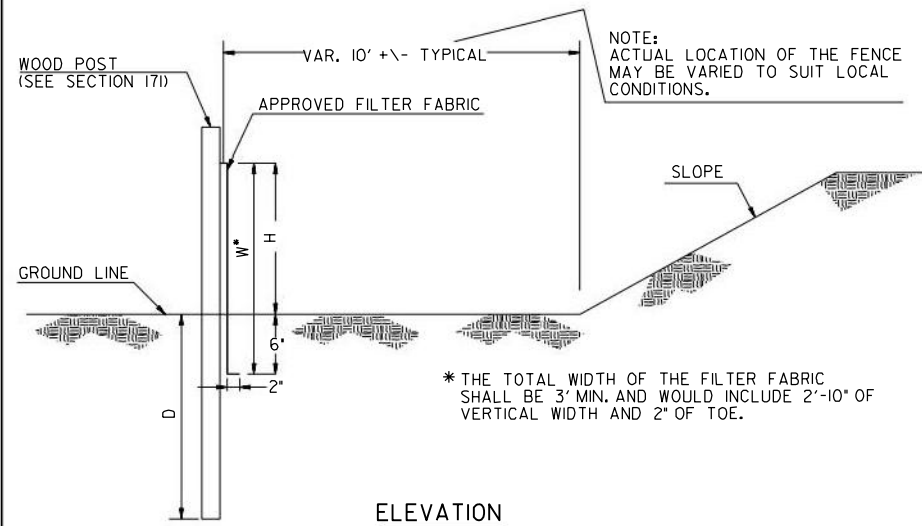
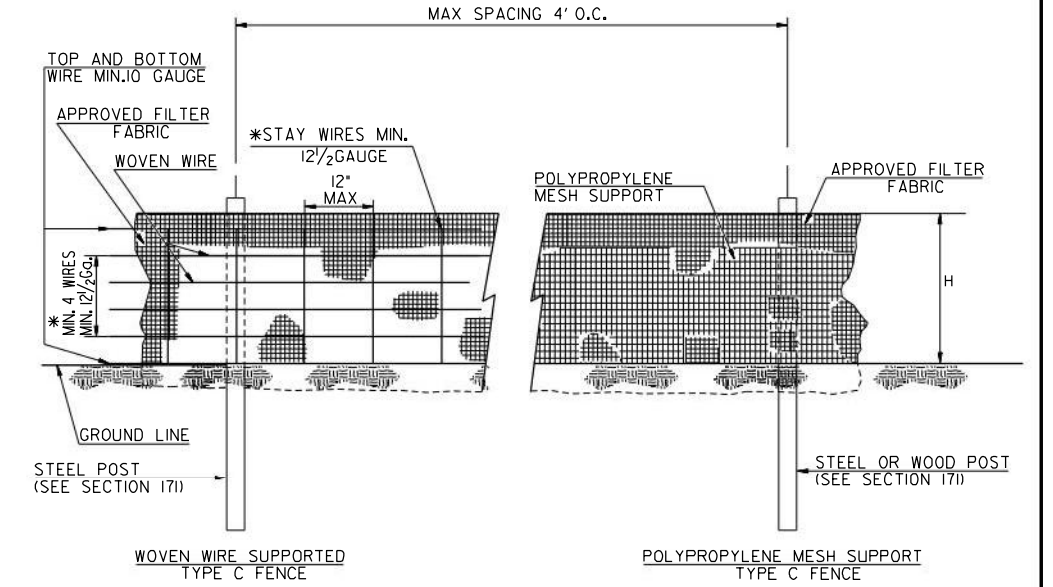
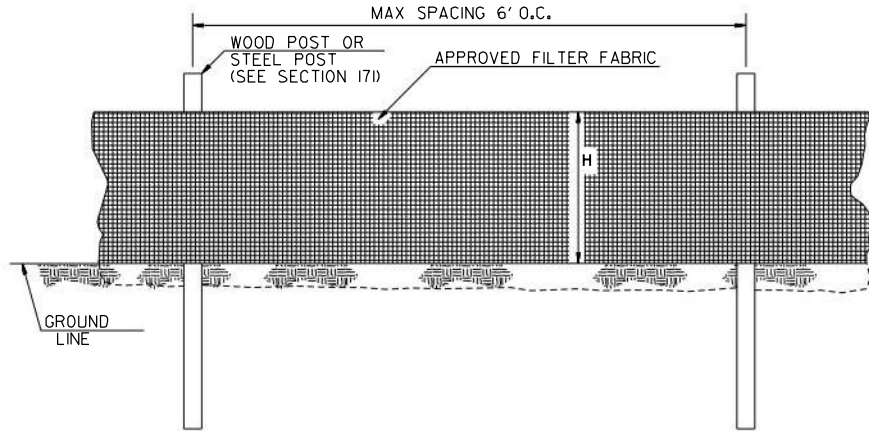
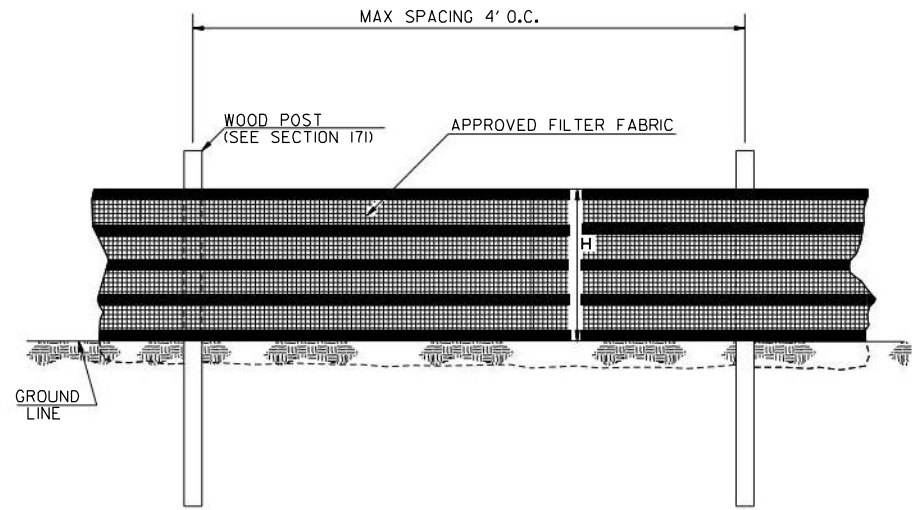
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REVISION DATES		

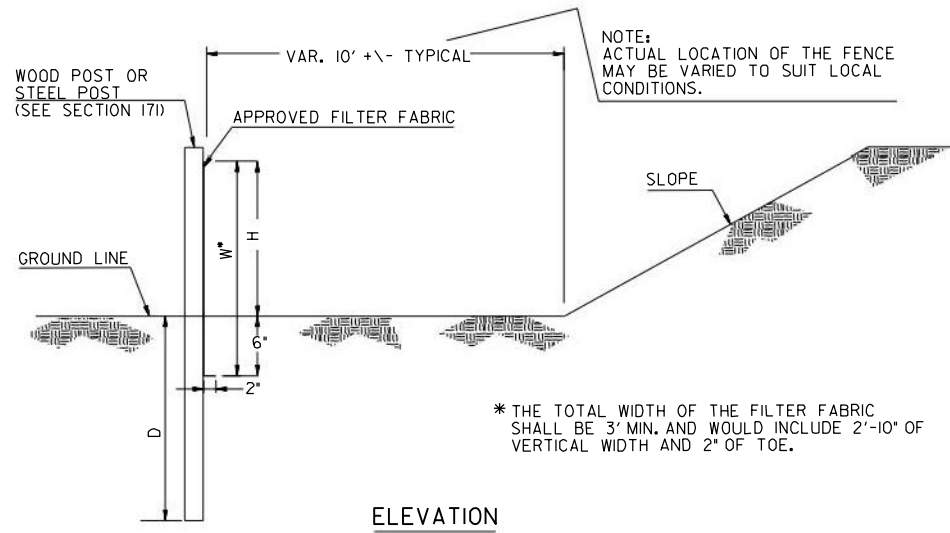
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IDLEWOOD RD AT SARR PKWY					
FINAL PHASE					
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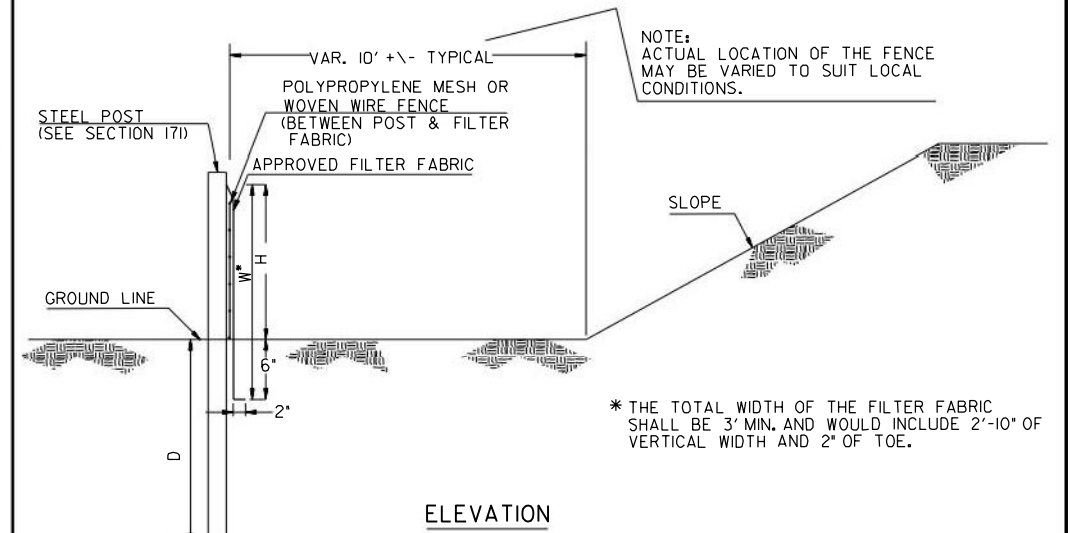
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SINGLE ROW TYPE C SILT FENCE WITH HIGH TENSILE
POLYPROPYLENE INTEGRATED SUPPORT WOVEN FABRIC



SINGLE ROW TYPE A SILT FENCE



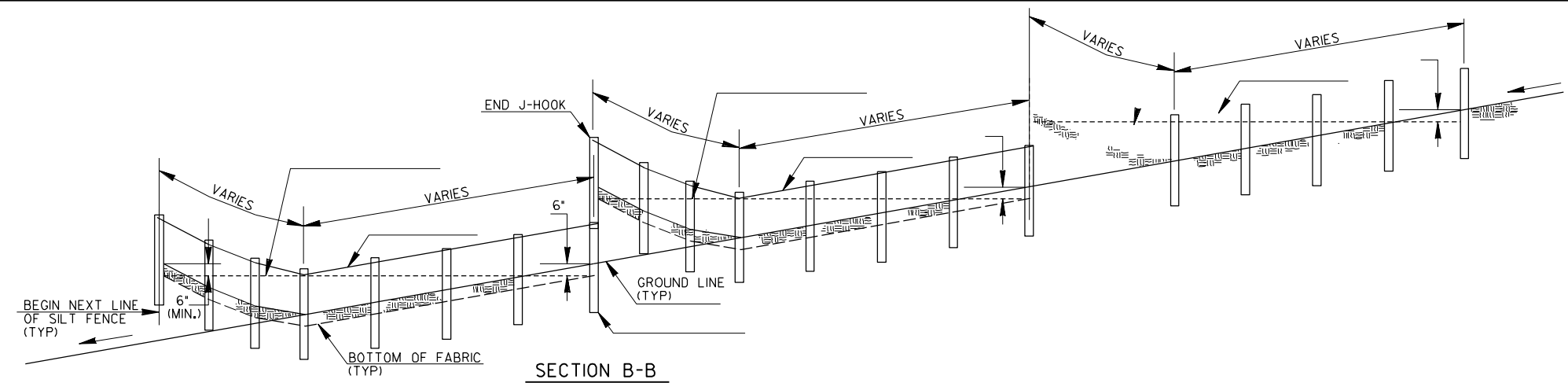
SINGLE ROW TYPE C SILT FENCE WITH WOVEN WIRE SUPPORT
OR POLYPROPYLENE MESH SUPPORT

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-240.

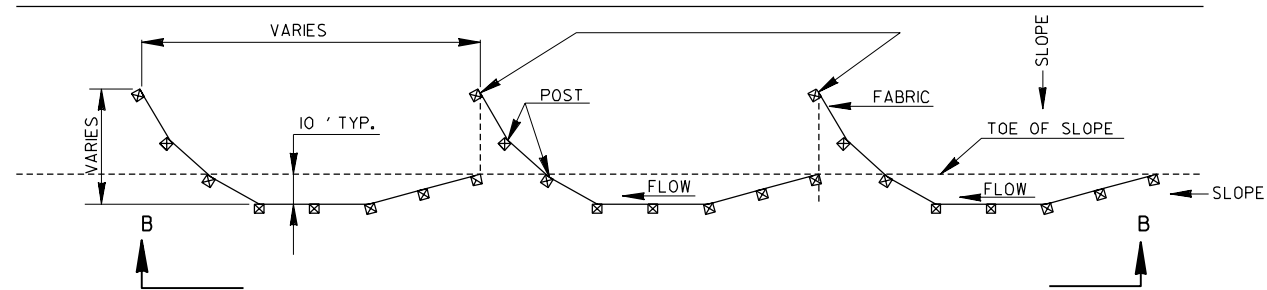
NOTES:

1. WIRE STAPLES SHALL BE AT LEAST 17 GAUGE, WITH LEGS AT LEAST $\frac{1}{2}$ INCHES LONG AND A CROWN AT LEAST $\frac{3}{4}$ INCHES WIDE. NAILS SHALL BE AT LEAST 14 GAUGE, 1 INCH LONG, WITH BUTTON HEADS AT LEAST $\frac{3}{4}$ 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 12 $\frac{1}{2}$ 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 OPL-36 FOR A LIST OF APPROVED SILT FENCE FABRIC.
8. TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

			03-2022	DATE	DEPARTMENT OF TRANSPORTATION	
			ADDED HIGH TENSILE POLYPROPYLENE INTEGRATED FABRIC	REVISION	STATE OF GEORGIA	
					CONSTRUCTION DETAIL	
					TEMPORARY SILT FENCE	
		AL	BY	JANUARY 2011 NO SCALE		NUMBER D-24A OF 4

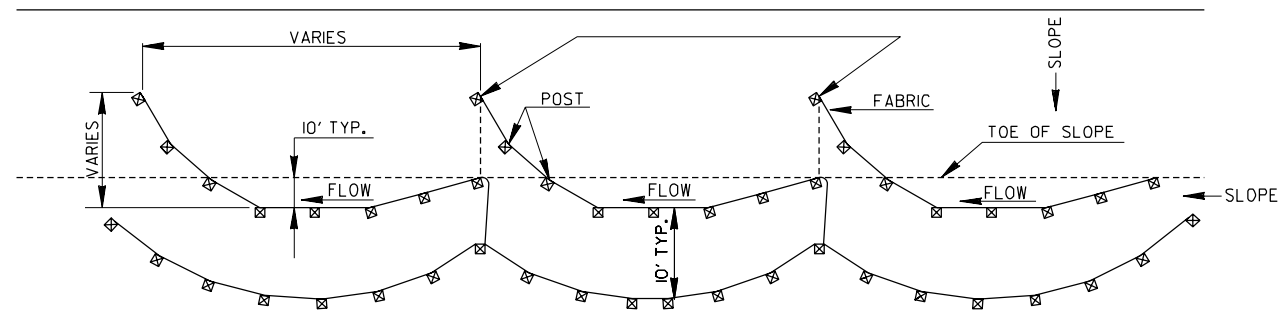


SECTION B-B



PLAN

SINGLE ROW SILT FENCE



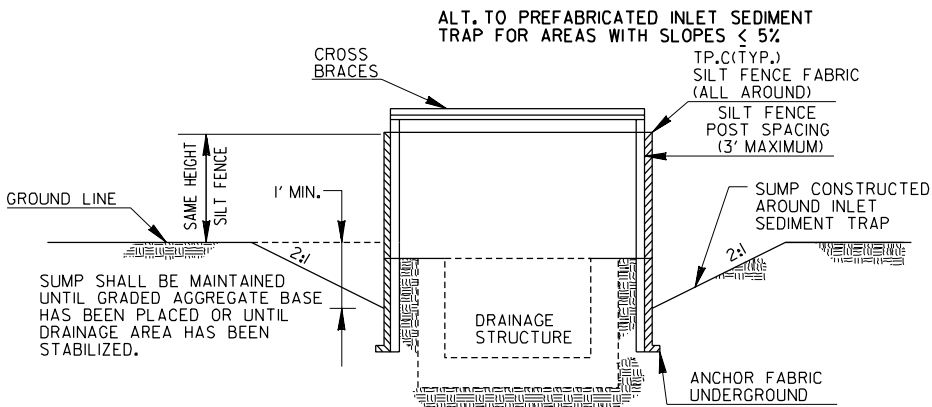
PLAN

DOUBLE 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' ±

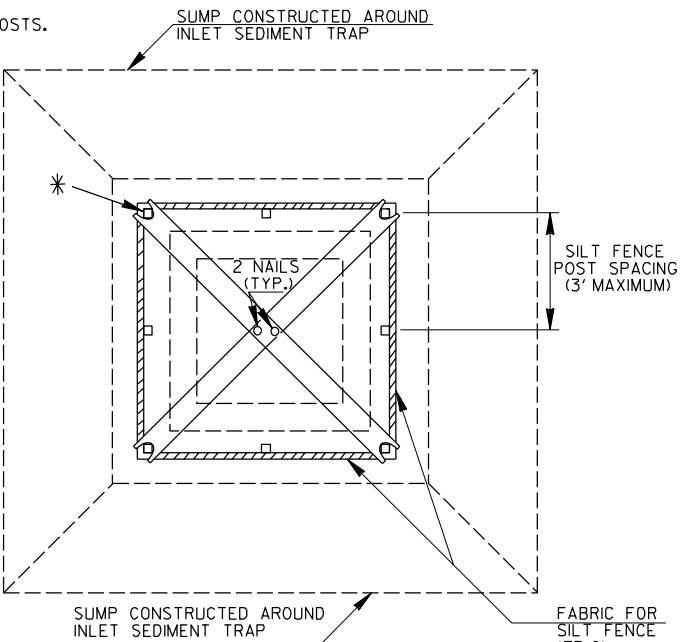
- NOTE:
- IF THE GRADE IS BETWEEN 0 TO 1 PERCENT, THE SILT FENCE SHALL BE PLACED ACROSS THE DITCH.
 - TEMPORARY SILT FENCE SHALL NOT BE PLACED WITHIN STATE WATERS UNLESS PERMITTED.

TYPICAL LOCATION AROUND DROP INLETS



ELEVATION

* CROSS BRACING REQUIRED WHEN USING "ALTERNATE" TYPE C PRODUCTS WHICH USE WOOD POSTS.



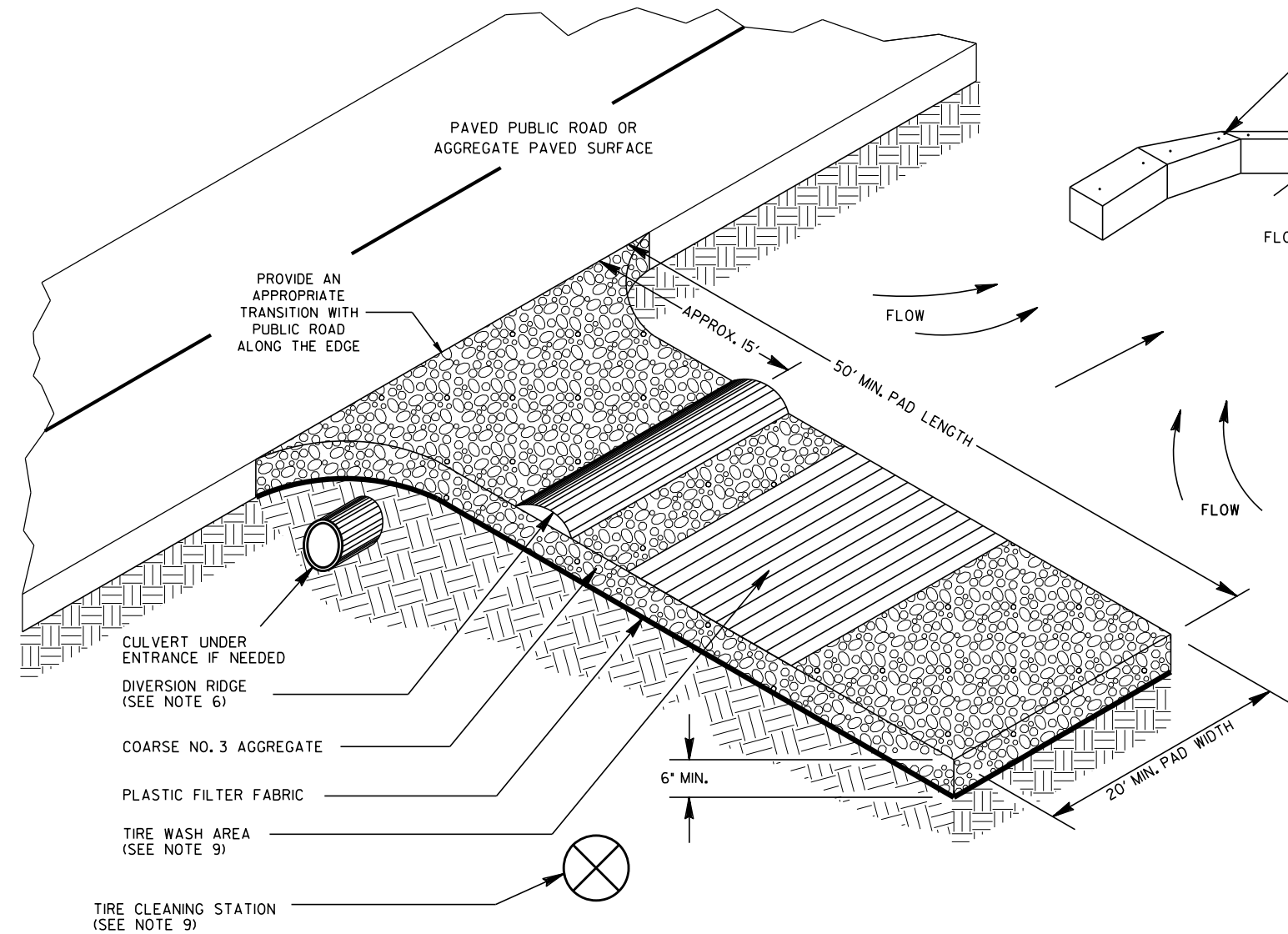
PLAN

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.

09-2022		DATE		DEPARTMENT OF TRANSPORTATION	
PLACEMENT CLARIFICATION		REVISION		STATE OF GEORGIA	
BAS		BY		CONSTRUCTION DETAILS	
				TEMPORARY SILT FENCE	
				J-HOOK, INLET SEDIMENT TRAPS	
				JANUARY 2011	
				NO SCALE	
				NUMBER	
				D-24C	
				(SHEET 3 OF 4)	



GENERAL NOTES:

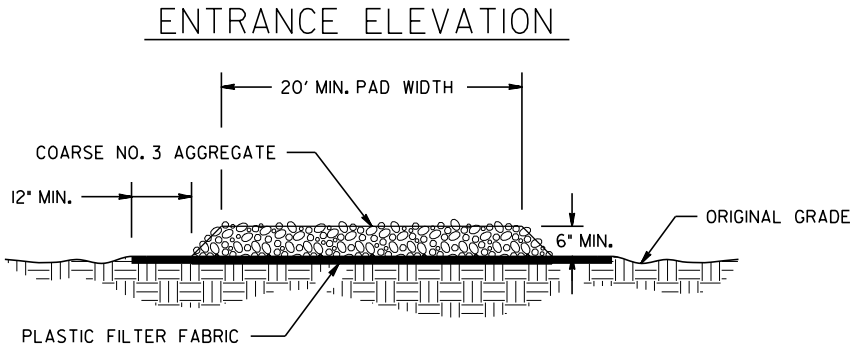
1. AVOID LOCATING CONSTRUCTION EXITS ON STEEP SLOPES OR AT SHARP CURVES ON PUBLIC ROADS. CONSTRUCTION EXITS ARE NOT REQUIRED FOR DIRT PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA AND GRADE FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE COARSE NO. 3 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.

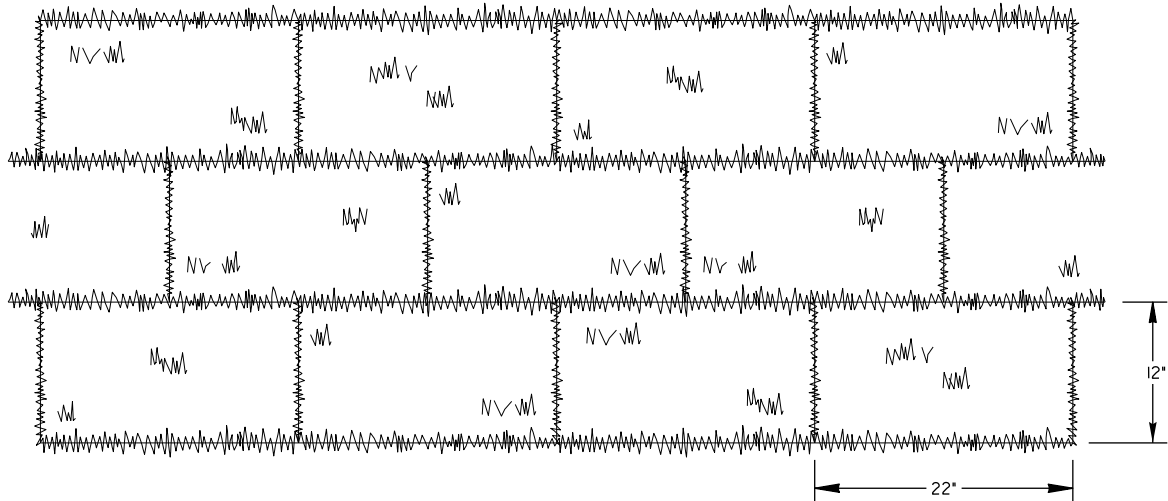
PAY ITEM:		
163-0301	CONSTRUCT AND REMOVE CONSTRUCTION EXITS	(EA)
165-0101	MAINTENANCE OF CONSTRUCTION EXIT	(EA)
165-0310	MAINTENANCE OF CONSTRUCTION EXIT TIRE WASH AREA	(EA)

PAY ITEM: FOR FIELD USE ONLY ACCORDING TO SECTION 163		
163-0310	CONSTRUCTION EXIT TIRE CLEANING STATION	(DAY)



11-04-20	REV. GEN. NOTES - B-II	04-18-18	04-22-16	01-19-11	DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
	REV. PAY ITEM DESCS/REFS					CONSTRUCTION DETAILS	
	REV. TIRE WASH & NOTES					CONSTRUCTION EXIT	
	REV. GSWCC 2016 MANUAL					NO SCALE	
	REV. CONSTR. EXIT LABELS					FEBRUARY 2001	
	BY					DESIGNED _____ DRAWN DLF TRACED _____ CHECKED _____	
HAC						NUMBER D-41	

SOD LAYOUT

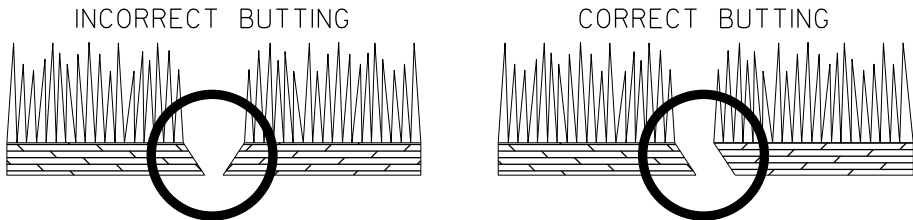


NOTE: SOD MAY BE EITHER 12" WIDE BY 22" LONG BLOCKS OR 21" WIDE BY 52" LONG ROLLS.

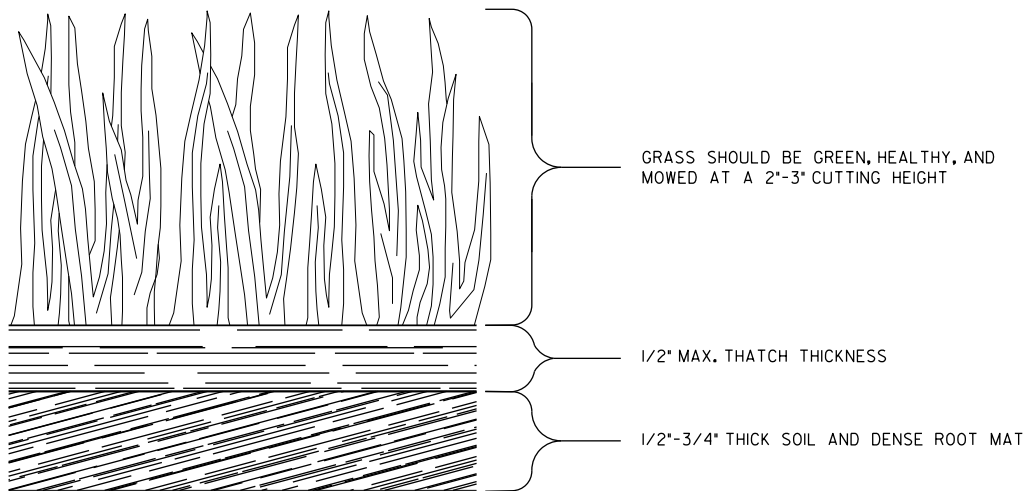
GENERAL NOTES:

- SOD SHALL MEET SECTIONS 700 AND 890 OF THE STANDARD SPECIFICATIONS AND SUPPLEMENTS THERETO. SOD SHALL BE CUT INTO 12"Wx22"L BLOCKS OR 21"Wx52"L ROLLS.
- PLACE SOD IN A STAGGERED PATTERN ENSURING FIRM CONTACT WITH THE SOIL. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER WITH THE AUTOMATIC SOD CUTTER ANGLES CORRECTLY MATCHED WITHOUT SPACES OR OVERLAP.
- PLACE THE LONG SIDE OF SOD PERPENDICULAR TO DRAINAGE FLOW IF INSTALLED IN DITCHES.
- STAKE SOD PLACED IN DITCHES OR SLOPES STEEPER THAN 2:1 OR ANY OTHER AREAS WHERE SOD SLIPPING MAY OCCUR. USE WOOD STAKES THAT ARE A MINIMUM OF 8" LONG AND A MAXIMUM OF 1" WIDE. DRIVE STAKES FLUSH WITH THE TOP OF SOD AND USE A MINIMUM OF 8 STAKES PER SQUARE YARD TO HOLD SOD IN PLACE.
- ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.
- WATER THE SOD IMMEDIATELY AFTER INSTALLATION AND WATER TO A DEPTH OF 4" AS NEEDED.
- MOW ESTABLISHED SOD TO A HEIGHT NOT LESS THAN 2"-3" AS NECESSARY.

ABUTTING SOD



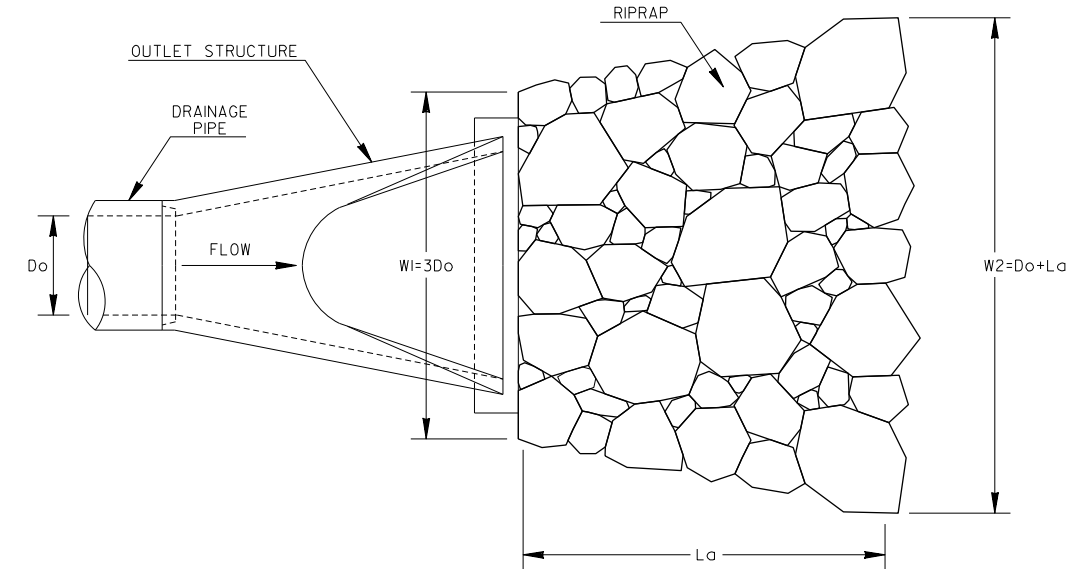
SOD APPEARANCE



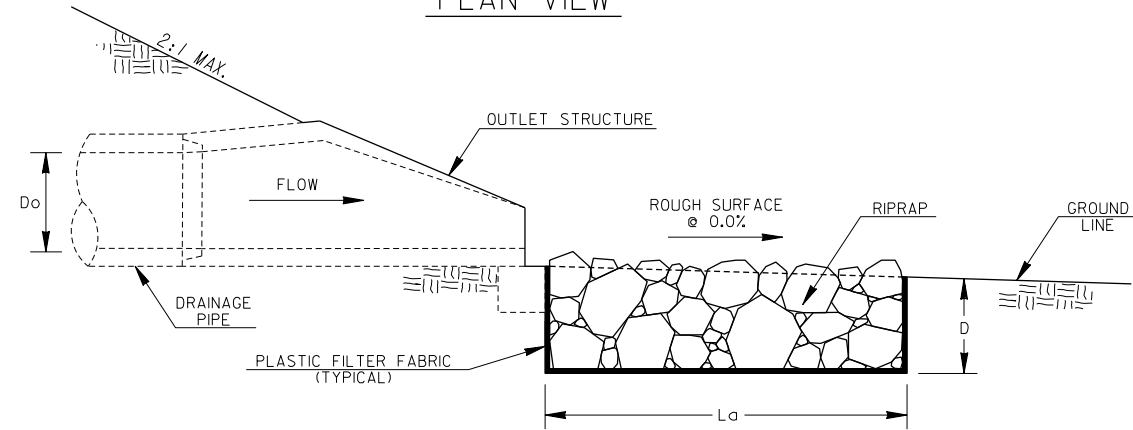
PAY ITEM:
700-9300 SOD (SY)

		DATE	DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA	
		REVISION	CONSTRUCTION DETAILS SOD INSTALLATION	
			NO SCALE	4-22-2016
		BY	DESIGNED DRAWN <u>DLE</u> TRACED CHECKED	NUMBER D-54

OUTLET TO FLAT AREA

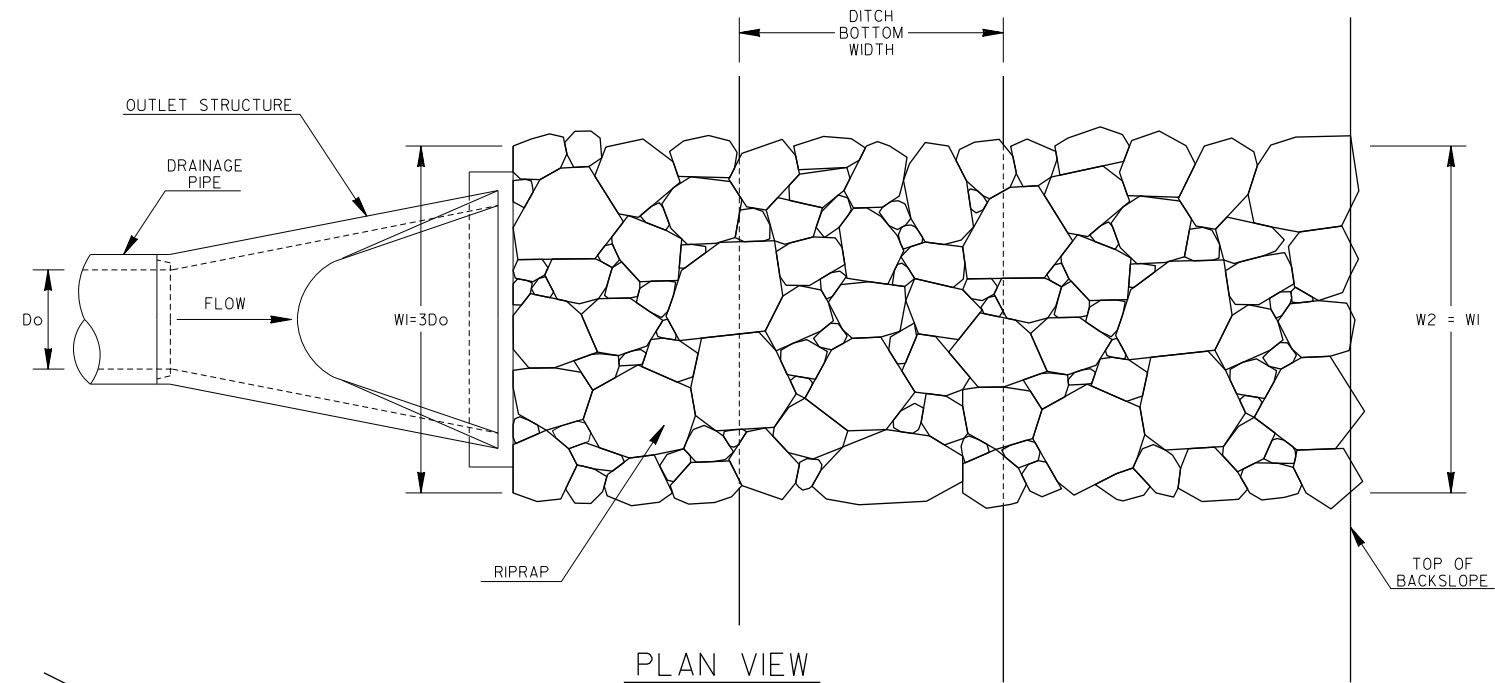


PLAN VIEW

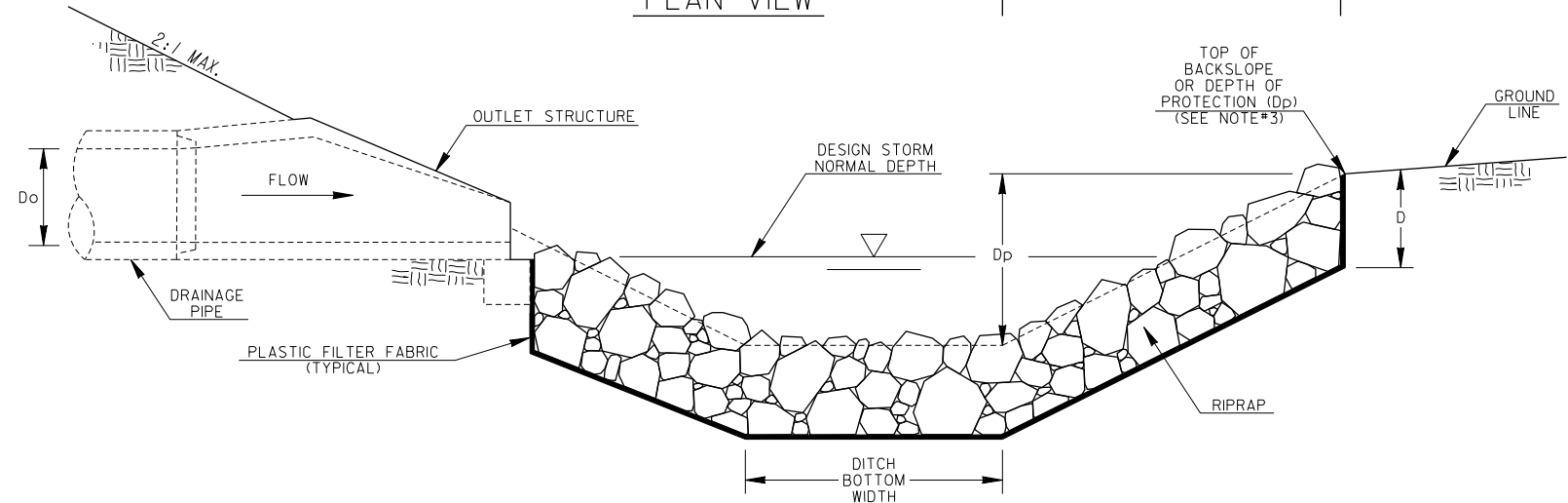


PROFILE VIEW

OUTLET PERPENDICULAR TO WELL-DEFINED CHANNEL



PLAN VIEW



PROFILE VIEW

GENERAL NOTES:

- RIPRAP OUTLET PROTECTION SHOULD BE USED TO REDUCE A DRAINAGE STRUCTURE'S DISCHARGE VELOCITY. RIPRAP OUTLET PROTECTION IS SHOWN FOR GEORGIA STANDARD I120, BUT IS INSTALLED SIMILARLY FOR OTHER DRAINAGE OUTLET STRUCTURES.
- RIPRAP OUTLET PROTECTION SHALL BE DESIGNED IN ACCORDANCE WITH THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA". THE DESIGNER SHALL PROVIDE THE FOLLOWING IN THE PLANS: PIPE DIAMETER (D₀), FLOW RATE OF DESIGN STORM (Q), VELOCITY (V), TAILWATER CONDITION (T_w), APRON LENGTH (L_a), APRON WIDTH AT DRAINAGE STRUCTURE (W₁), APRON WIDTH DOWNSTREAM (W₂), AVERAGE STONE DIAMETER (d₅₀), INSTALLATION DEPTH (D), AND TYPE OF RIPRAP WITH QUANTITY.

THE MINIMUM DESIGN FOR RIPRAP OUTLET PROTECTION SHALL BE THE 25-YEAR STORM EVENT, BUT LARGER STORMS ARE RECOMMENDED.
- THE APRON WIDTHS SHALL BE THE SAME WHEN THE DRAINAGE STRUCTURE DISCHARGES PERPENDICULAR INTO A WELL-DEFINED CHANNEL. THE LENGTH SHALL EXTEND ACROSS THE CHANNEL AND UP TO THE TOP OF THE CHANNEL BACKSLOPE OR 1-FOOT ABOVE THE NORMAL DEPTH OF THE CHANNEL'S DESIGN STORM (WHICHEVER IS LESS). THE DESIGNER SHALL PROVIDE THE DEPTH OF PROTECTION (D_p) IF THE APRON DOES NOT EXTEND TO THE TOP OF THE BACKSLOPE.
- IF THE OUTLET HYDRAULICS REQUIRE A d₅₀ ≤ 0.70 FEET, TYPE-3 RIPRAP MAY BE USED.
IF THE OUTLET HYDRAULICS REQUIRE A d₅₀ ≤ 1.20 FEET, TYPE-1 RIPRAP SHOULD BE USED.
IF THE OUTLET HYDRAULICS REQUIRE A d₅₀ > 1.20 FEET, THE DESIGNER SHALL DESIGN AND PROVIDE A SPECIAL DETAIL FOR APPROPRIATE OUTLET PROTECTION.
- PLASTIC FILTER FABRIC IS REQUIRED UNDERNEATH RIPRAP APRON.
- PAYMENT FOR RIPRAP SHALL BE MEASURED IN SQUARE YARDS FOR SPECIFIED INSTALLATION DEPTH. PAYMENT FOR PLASTIC FILTER FABRIC SHALL BE MEASURED IN SQUARE YARDS CONSISTENT WITH RIPRAP QUANTITY AND PAID FOR SEPARATELY.

D₀ = PIPE DIAMETER
Q = DESIGN STORM FLOW RATE
V = DESIGN STORM VELOCITY
T_w = TAILWATER CONDITION/DESIGN STORM NORMAL DEPTH
L_a = APRON LENGTH
W₁ = APRON WIDTH UPSTREAM
W₂ = APRON WIDTH DOWNSTREAM
d₅₀ = AVERAGE STONE DIAMETER
D = INSTALLATION DEPTH
D_p = DEPTH OF PROTECTION

RIPRAP TYPE	REQUIRED d50 (FT)	MIN. DEPTH "D" (IN)
1	≤1.20	36
3	≤0.67	18

		DATE		DEPARTMENT OF TRANSPORTATION	
				STATE OF GEORGIA	
		REVISION		CONSTRUCTION DETAILS	
				RIPRAP OUTLET PROTECTION (SHEET 1 OF 2)	
				NO SCALE	
				4-22-2016	
		BY		DESIGNED <u>DLE</u>	
				DRAWN <u>DLE</u>	
				TRACED <u> </u>	
				CHECKED <u> </u>	
				NUMBER	
				D-55A	