

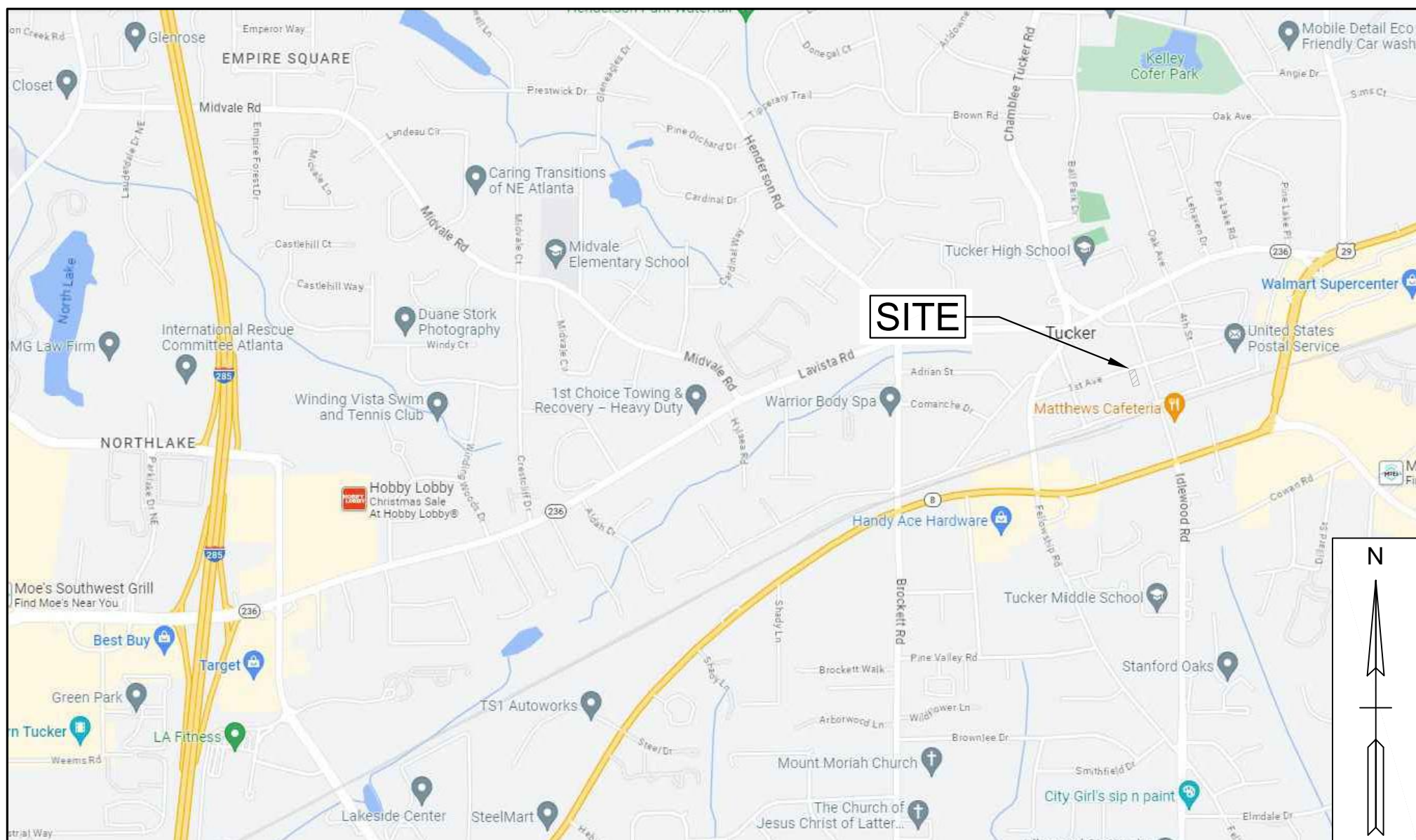
GENERAL NOTES:

1. CONTRACTOR MUST FIELD VERIFY EXISTING CONDITIONS PRIOR TO AND DURING CONSTRUCTION, AND VERIFY DEPTH OF EXISTING UTILITY LINES PRIOR TO LAND DISTURBANCE.
2. CONTRACTOR TO ABIDE BY ALL STATE AND LOCAL CODES AND ORDINANCES PRIOR TO AND DURING CONSTRUCTION, INCLUDING INSPECTIONS.
3. CONTRACTOR TO ERECT AND MAINTAIN ALL APPROPRIATE BARRICADES, SIGNAGE, AND WARNINGS TO PROTECT THE SITE DURING DEMOLITION AND CONSTRUCTION.
4. ALL TREE PROTECTION AREAS TO BE PROTECTED FROM SEDIMENTATION.
5. CONTRACTOR SHALL INSTALL ALL TREE PROTECTION FENCING AND ALL EROSION CONTROL MEASURES PRIOR TO THE START OF LAND DISTURBANCE ACTIVITIES OR DEMOLITION, AND MAINTAIN UNTIL FINAL LANDSCAPING IS COMPLETE.
6. ALL TREE PROTECTION FENCING TO BE INSPECTED DAILY, AND REPAIRED AND REPLACED AS NEEDED.
7. NO PARKING, STORAGE OR OTHER CONSTRUCTION ACTIVITIES ARE TO OCCUR WITHIN TREE PROTECTION AREAS.
8. CONTRACTOR TO NOTIFY OWNER IMMEDIATELY IF ANY ITEM EXISTING ON SITE IS NOT SHOWN ON THESE PLANS (E.G. UTILITY/DRAINAGE LINES).
9. ANY UNDERGROUND UTILITY THAT IS BROKEN OR DISRUPTED THAT IS A NOT PART OF A SCHEDULED OUTAGE SHALL BE REPAIRED AS QUICKLY AS POSSIBLE AT CONTRACTOR'S EXPENSE.
10. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF THE PUBLIC, INCLUDING BUT NOT LIMITED TO THE INSTALLATION OF LIGHTS, BARRIERS, FLAGMEN, AND TEMPORARY DETOURS, ETC.
11. CONTRACTOR SHALL UTILIZE ALL PRACTICABLE MEASURES TO ENSURE THE PREVENTION OF ENVIRONMENTAL IMPACTS ARE TAKEN BY ALL PERSONNEL EMPLOYED IN THE WORK. IMPACTS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO NOISE, DUST, CHEMICAL SPILL, EROSION AND SEDIMENTATION, AND DAMAGE TO EXISTING TREES AND PLANTS.
12. CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM STRUCTURES.
13. ALL SANITARY SEWER MATERIALS, INSTALLATION TECHNIQUES, AND TESTING REQUIREMENTS TO CONFORM TO DEKALB COUNTY WATERSHED STANDARDS.
14. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE INSPECTIONS WITH DEKALB DEPARTMENT OF WATERSHED MANAGEMENT.
15. CONTRACTOR TO PROVIDE A TRAFFIC CONTROL PLAN CONFORMING TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) FOR CITY REVIEW REGARDING WORK WITHIN THE 1ST AVENUE RIGHT OF WAY.

National Flood Hazard Layer FIRMette



NONE OF THE DISTURBED AREA IS WITHIN THE FEMA 100-YR FLOOD ZONE.

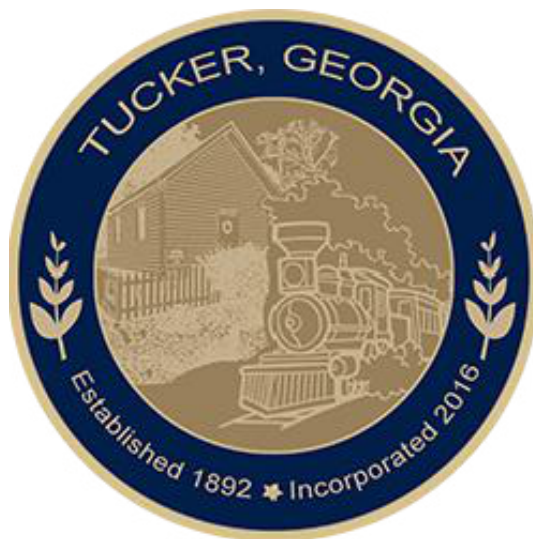


NOT TO SCALE

PROJECT AREA: 0.18 AC
DISTURBED AREA: 0.17 AC



2839 PACES FERRY ROAD SE//SUITE 850
ATLANTA, GEORGIA 30339
Phone (770) 282-4958



SHEET
C0.01

REV.	DR.	CHK.	DATE	DESCRIPTION
0		SS	05-31-2024	DRAFT

- TREE PROTECTION NOTES**
- IF THERE ARE INCONSISTENCIES BETWEEN ANY ITEMS ON THESE PLANS THE MORE STRICT INTERPRETATION OF THOSE REQUIREMENTS SHALL BE FOLLOWED. PLEASE CONTACT CITY OF TUCKER PROJECT MANAGER FOR ANY INTERPRETATION.
 - TREE SAVE FENCE AND SIGNAGE FOR ENTIRE SITE MUST BE INSTALLED INSPECTED AND APPROVED PRIOR TO INSTALLATION OF EROSION CONTROL MEASURES. NO LAND DISTURBANCE OR DEMOLITION IS ALLOWED BEFORE THIS INSPECTION AND APPROVAL HAS OCCURRED.
 - INSTALLATION OF THE TREE SAVE FENCE WILL INVOLVE NO TREESHEDDING.
 - ALL EXISTING TREES IDENTIFIED FOR PRESERVATION FOR FOUND WITHIN TREE SAVE AREAS MUST BE FULLY PROTECTED DURING ALL PHASES OF THE PROJECT.
 - ALL ROOTS ENCOUNTERED 1" OR GREATER DURING EXCAVATING OPERATIONS SHALL BE CLEAN CUT UNDER THE DIRECTION OF AN ISA CERTIFIED ARBORIST.
 - ANY LIMBS OVERHANGING THE LOD THAT MAY BE PROPERLY PRUNED UNDER THE DIRECTION OF AN ISA CERTIFIED ARBORIST.
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE VEGETATION AND REMOVE TRASH AND DEBRIS AROUND THE PERIMETER OF THE PROJECT, EVEN IF WITHIN THE PUBLIC ROW.

LEGEND

- 1104 --- EXISTING CONTOUR
+ 03.7 EX. SPOT ELEVATION (+1100)
--- W --- EX. WATERLINE
--- OHP --- OVERHEAD POWER LINE
--- SS --- EX. SEWER LINE
--- G --- EX. GAS LINE
+ 3.99 SUPPLEMENTAL EXISTING SPOT ELEVATION (+1100)
--- EXISTING TRAIL
--- TREE PROTECTION FENCING

DEMOLITION KEYNOTES

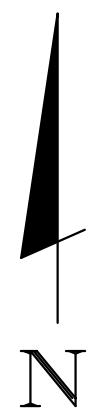
1	REMOVE EXISTING GRAVEL
2	REMOVE EXISTING CURB AND GUTTER AND SIDEWALK RAMP
3	REMOVE PORTION OF EXISTING WALL REQ'D FOR PROJECT CONSTRUCTION
4	REMOVE EXISTING CURB AND GUTTER AND PAVEMENT
5	REMOVE EXISTING CONCRETE SIDEWALK
6	REMOVE EXISTING CURB AND GUTTER AND ISLAND
7	REMOVE EXISTING CONCRETE/DEBRIS IN PATH OF PROPOSED SANITARY LATERAL AS REQ'D
8	SAWCUT & REMOVE EXISTING SIDEWALK
9	EXISTING TREES TO BE PROTECTED WITH TREE PROTECTION FENCING (1/C0.41)
10	REMOVE EXISTING CURB AND PAVEMENT FOR INSTALLATION OF CONDUIT

LEGEND

- CURB AND GUTTER, PAVEMENT, SIDEWALK REMOVAL
--- GRAVEL REMOVAL

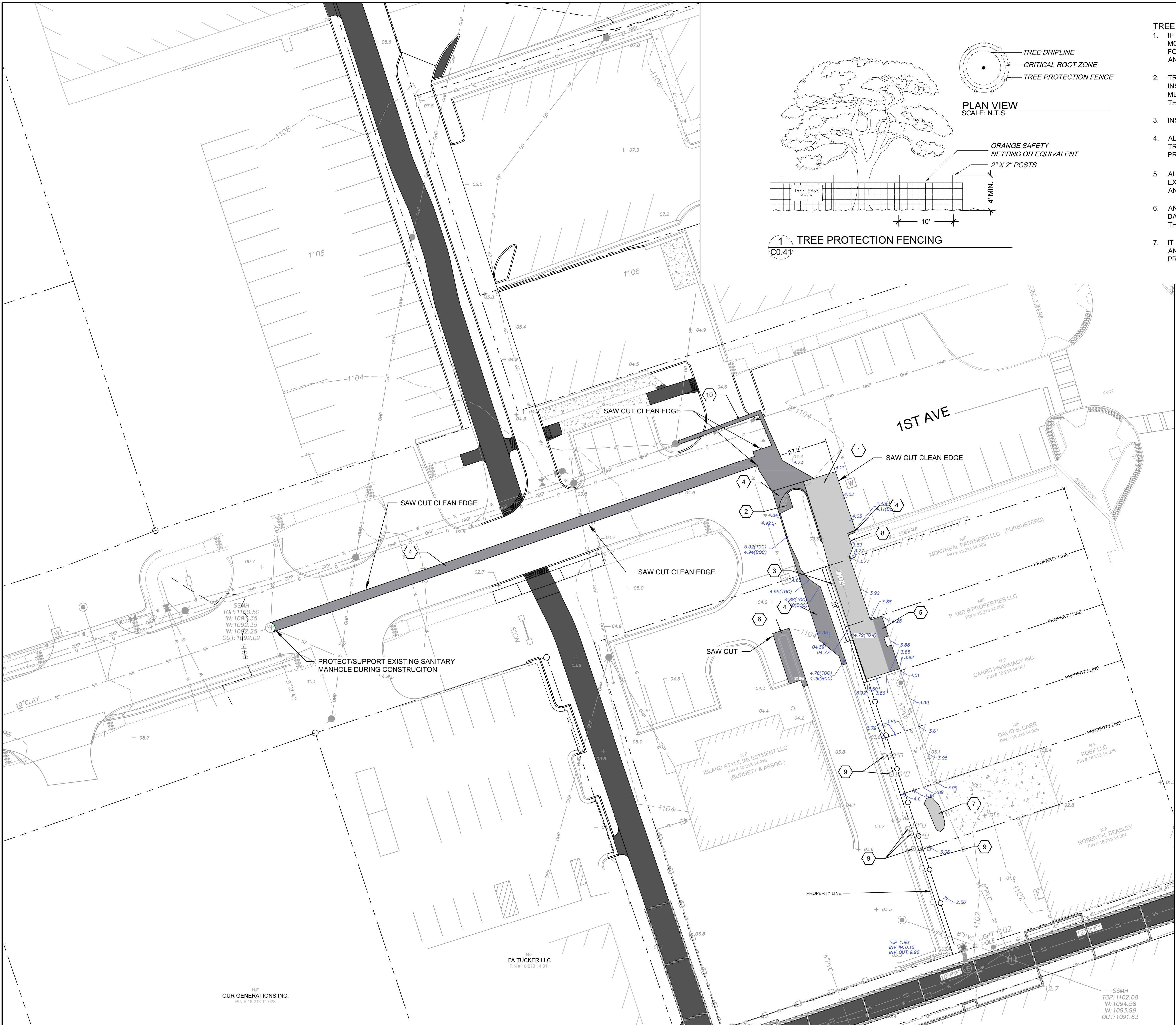
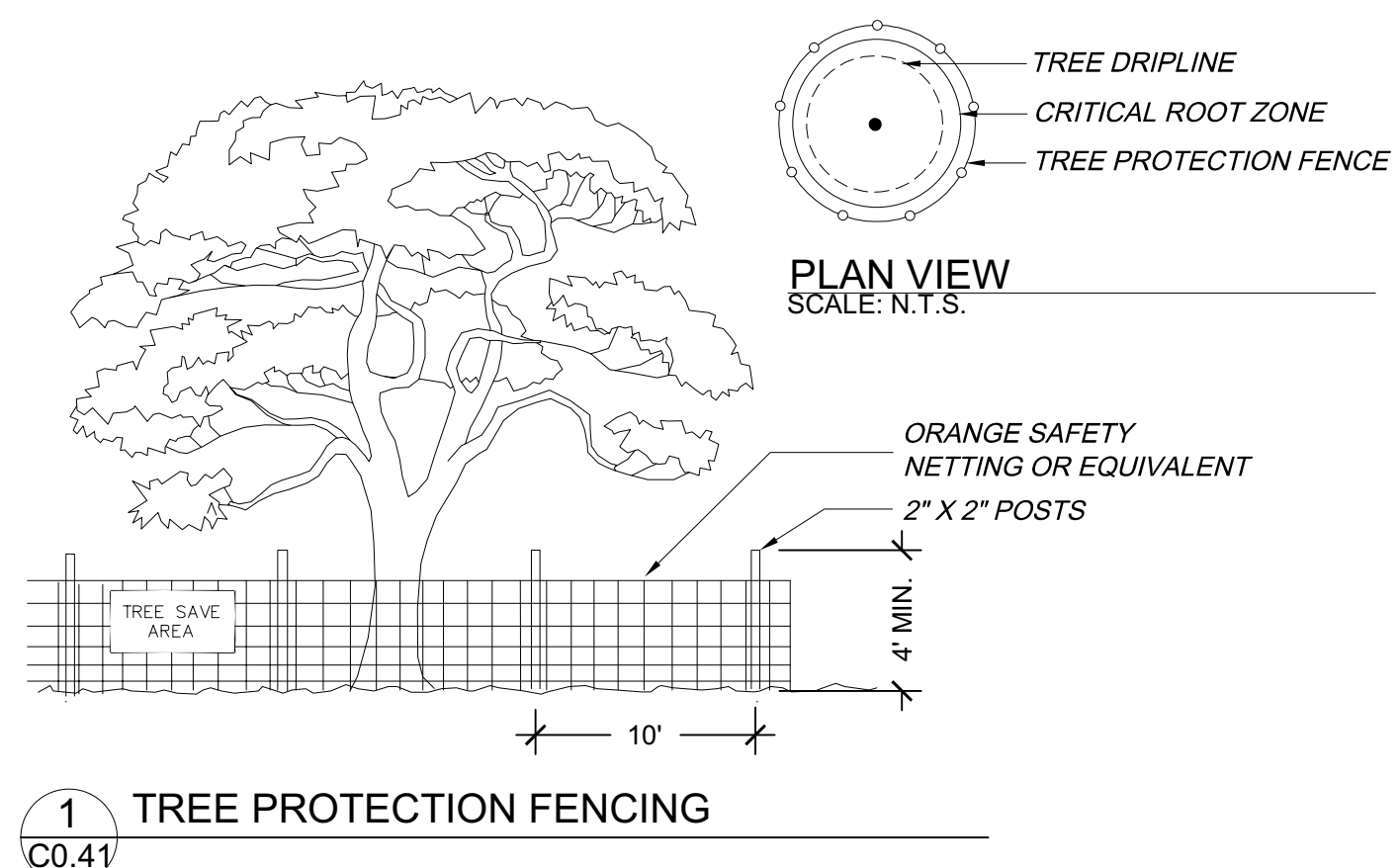
DEMOLITION NOTES

- CONTRACTOR TO FIELD VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO START OF CONSTRUCTION.
- CONTRACTOR TO PROVIDE SMOOTH, STRAIGHT SAW-CUT LINES ALONG ALL AREAS OF CURB, PAVEMENT, TRAIL, SIDEWALK REMOVAL.
- CONTRACTOR TO PROTECT EXISTING IMPROVEMENTS WITHIN PROJECT AREA. ANY AREAS THAT BECOME DAMAGED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.
- CONTRACTOR TO DISPOSE DEMOLISHED MATERIAL OFFSITE IN ACCORDANCE WITH ALL LEGAL REQUIREMENTS.



20' 10' 0' 20' 40'
SCALE: 1 INCH = 20 FEET

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EXISTING CONTOUR AP
SPOT ELEVATION (+1100)
EX. WATERLINE
OVERHEAD POWER LINE
EX. SEWER LINE
EX. GAS LINE
SUPPLEMENTAL EXISTING SPOT ELEVATION (+1100)
PROPOSED CONTOUR
PROPOSED SPOT ELEVATIONS (+1100)
TOP OF CURB ELEVATION (+1100)
BOTTOM OF CURB ELEVATION (+1100)
WATER FLOW PATH

LEGEND

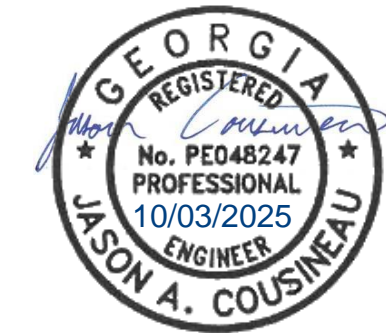
---1104---
03.7
--- W ---
--- OHP ---
--- SS ---
--- G ---
3.99
---1104---
3.2
TOC-4.5
BOC-4.0
WATER FLOW PATH

GRADING & DRAINAGE NOTES:

1. SURVEY PROVIDED BY OWNER. EXISTING TRAIL SIDEWALK IMPROVEMENTS SHOWN BASED ON PLANS. NO AS-BUILT SURVEY WAS COMPLETED AFTER SIDEWALK WAS CONSTRUCTED.
2. SUPPLEMENTAL SPOT ELEVATIONS PROVIDED BY THE CITY SHOWN IN BLUE. TOP OF EXISTING SEWER MANHOLE, ELEVATION 1102.08, AS IDENTIFIED IN PLAN, WAS USED AS BENCHMARK. SURVEY DATE FEB 14, 2024.
3. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
4. EXISTING DRAIN DOWNSPOUTS SPLASH ON PROPOSED GRADE.

GRADING AND DRAINAGE PLAN

CITY OF TUCKER
1ST AVE COMPACTOR FACILITY
TUCKER, DEKALB COUNTY, GEORGIA



REV.	DR.	CHK.	DATE	DESCRIPTION
0	SS	JRE	05-31-2024	DRAFT

C2.01

FILE NO. 3808804



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SCALE: 1" = 20' FEET



USER: JACOUSINEAU
FILE: F:\3808804\380880704_CADD\CIVIL\Drawing\PL01'S Grading Plan.dwg
PLOT: 10/3/2025 10:04:11 AM
PLOTED: 4/14/2025

AP 3166742
DATE 10/3/2025

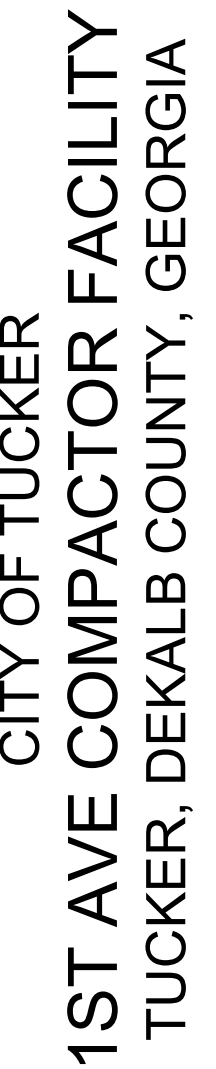
This Department is not responsible for any errors or omissions by engineers or other design professionals on design or county code requirements of this project.

The issuance or granting of a permit shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of applicable codes or of any other ordinance of the jurisdiction. Permits presuming to give authority to violate or cancel the provisions of applicable codes or any other ordinance of the jurisdiction shall not be valid. The issuance of a permit based on construction documents and other data shall not prevent the code official from requiring the correction of errors.

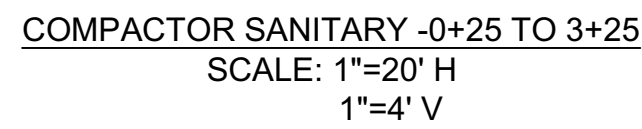
Plumbing, Mechanical, Gas, and Electrical sections of these plans have not been reviewed for compliance with technical codes and will be field-verified during inspection.

A set of these approved plans shall be kept on the jobsite at all times and shall not be modified or altered without authorization from DeKalb County Development Services.

PHONE (678) 515-9411

[illegible]

FILE NO. 3808804



1. SURVEY PROVIDED BY OWNER. EXISTING TRAIL SIDEWALK IMPROVEMENTS SHOWN BASED ON PLANS. NO AS-BUILT SURVEY WAS COMPLETED AFTER SIDEWALK WAS CONSTRUCTED.
2. CONTRACTOR TO INSTALL FITTINGS AS REQUIRED TO PROVIDE FOR INLINE TRAP AND HORIZONTAL ALIGNMENT DEFLECTIONS.



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USER: JACOUSINEAU
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PLOT: 10/03/2025 10:03:25
PLOTED: 4/11/2025



LEGEND



DEVELOPMENT SERVICES

APPROVED

EXISTING CONTOUR
SPOT ELEVATION
EX. WATERLINE
OVERHEAD POWERLINE
EX. SEWER LINE
EX. GAS LINE
SUPPLEMENTAL EX. SPOT ELEVATION
PROPOSED SILT FENCE
DRAIN INLET FILTER

This Department is not responsible for any errors or omissions by engineers or other design professionals on design or county code requirements of this project.

The issuance or granting of a permit shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of applicable codes or of any other ordinance of the jurisdiction. Permits are issued on the basis of the information provided by the applicant and the design professional. The Department is not responsible for the accuracy of the information provided or for the compliance of the project with applicable codes or any other ordinance of the jurisdiction. The Department reserves the right to require the correction of errors.

Plumbing, Mechanical, Gas, and Electrical sections of these plans have not been reviewed for compliance with technical codes and will be field-verified during inspection.

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EROSION CONTROL KEYNOTES

1	SILT FENCE, 4/C7.02
2	DRAIN INLET FILTER, 3/C7.02

EROSION CONTROL NOTES:

- SEE SHEETS C7.02 FOR DETAILS OF EROSION CONTROL BMP'S.
- CLEARING AND GRUBBING SHALL BE LIMITED TO THAT NECESSARY FOR THE INSTALLATION OF INITIAL PHASE BMP'S.
- EXISTING BMP'S SHALL BE MAINTAINED AND REPAIRED AS NECESSARY. EXISTING BMP'S MAY BE REMOVED AS NECESSARY FOR PROJECT DEVELOPMENT.
- WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- 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.
- EROSION CONTROL MEASURES SHALL 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.
- EROSION CONTROL MEASURES WILL BE INSPECTED AT LEAST WEEKLY AND AFTER EACH RAIN, AND REPAIRED BY THE GENERAL CONTRACTOR AS NEEDED.
- ALL DESIGN WILL CONFORM TO AND ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE CURRENT PUBLICATION ENTITLED "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
- MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE CONTRACTOR.
- TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES.
- ALL DISTURBED AREAS OUTSIDE CONCRETE SHALL BE STABILIZED WITH PERMANENT VEGETATION.
- ALL EROSION CONTROL DEVICES TO BE REMOVED UPON FINAL STABILIZATION OF DISTURBED AREAS.

NOTES:

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- SUPPLEMENTAL SPOT ELEVATIONS PROVIDED BY THE CITY SHOWN IN BLUE. TOP OF EXISTING SEWER MANHOLE, ELEVATION 11020.8, AS IDENTIFIED IN PLAN, WAS USED AS BENCHMARK. SURVEY DATE FEB 14, 2024.

PROJECT AREA: 0.18 AC
DISTURBED AREA: 0.17 AC

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EROSION CONTROL PLAN
CITY OF TUCKER
1ST AVE COMPACTOR FACILITY
TUCKER, DEKALB COUNTY, GEORGIA

REV.	DR.	CHK.	DATE	DESCRIPTION
0	SS	JRB	05-31-2024	DRAFT

EC1.01
FILE NO. 3808804

This Department is not responsible for any errors or omissions by engineers or other design professionals on design or county code requirements of this project.

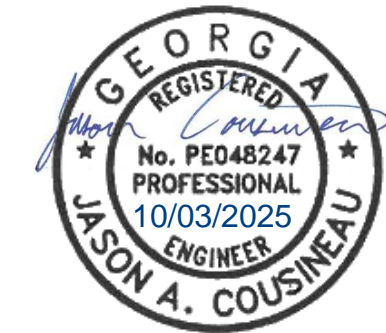
The issuance or granting of a permit shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of applicable codes or of any other ordinance of the jurisdiction. Permits are issued by the Department of Development Services, assuming to give authority to violate or cancel the provisions of applicable codes or any other ordinance of the jurisdiction shall not be valid. The Department of Development Services shall not be responsible for any errors or omissions on the part of the contractor or engineer.

The Department of Development Services and Electrical sections of these plans have not been reviewed for compliance with technical codes and will be field-verified during inspection.

A set of these approved plans shall be kept on the jobsite at all times and shall not be modified or altered without authorization from DeKalb County Development Services.

BARGE
DESIGN SOLUTIONS

6625 The Corners Pkwy | Suite 400 | Roswell, Georgia, GA 30062
PHONE (770) 515-9411



SITE DETAILS
CITY OF TUCKER
1ST AVE COMPACTOR FACILITY
TUCKER, DEKALB COUNTY, GEORGIA

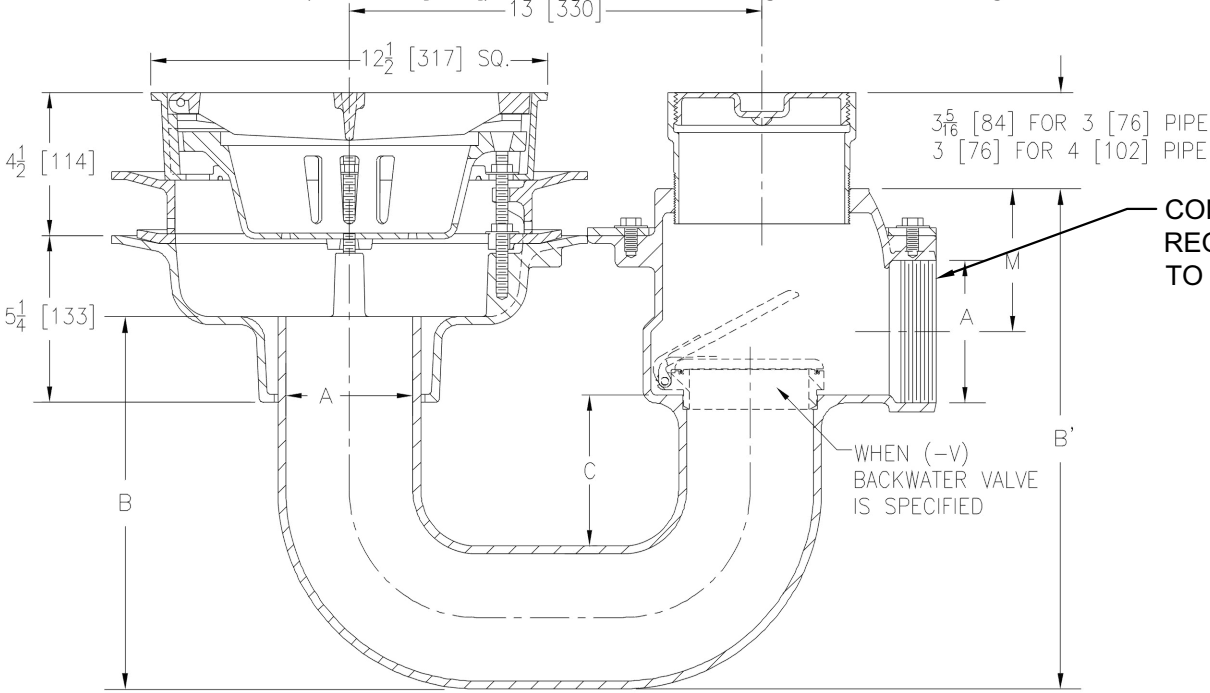
REVISION INFORMATION			
REV.	DR.	CHK.	DATE
0	SS	JRB	05-31-2024
			DRAFT

C7.01

FILE NO. 3808804

ZURN **Z761**
12-1/2 x 12-1/2 [317 x 317]
HEAVY-DUTY DRAIN

Dimensional Data (inches and [mm]) are Subject to Manufacturing Tolerances and Change Without Notice

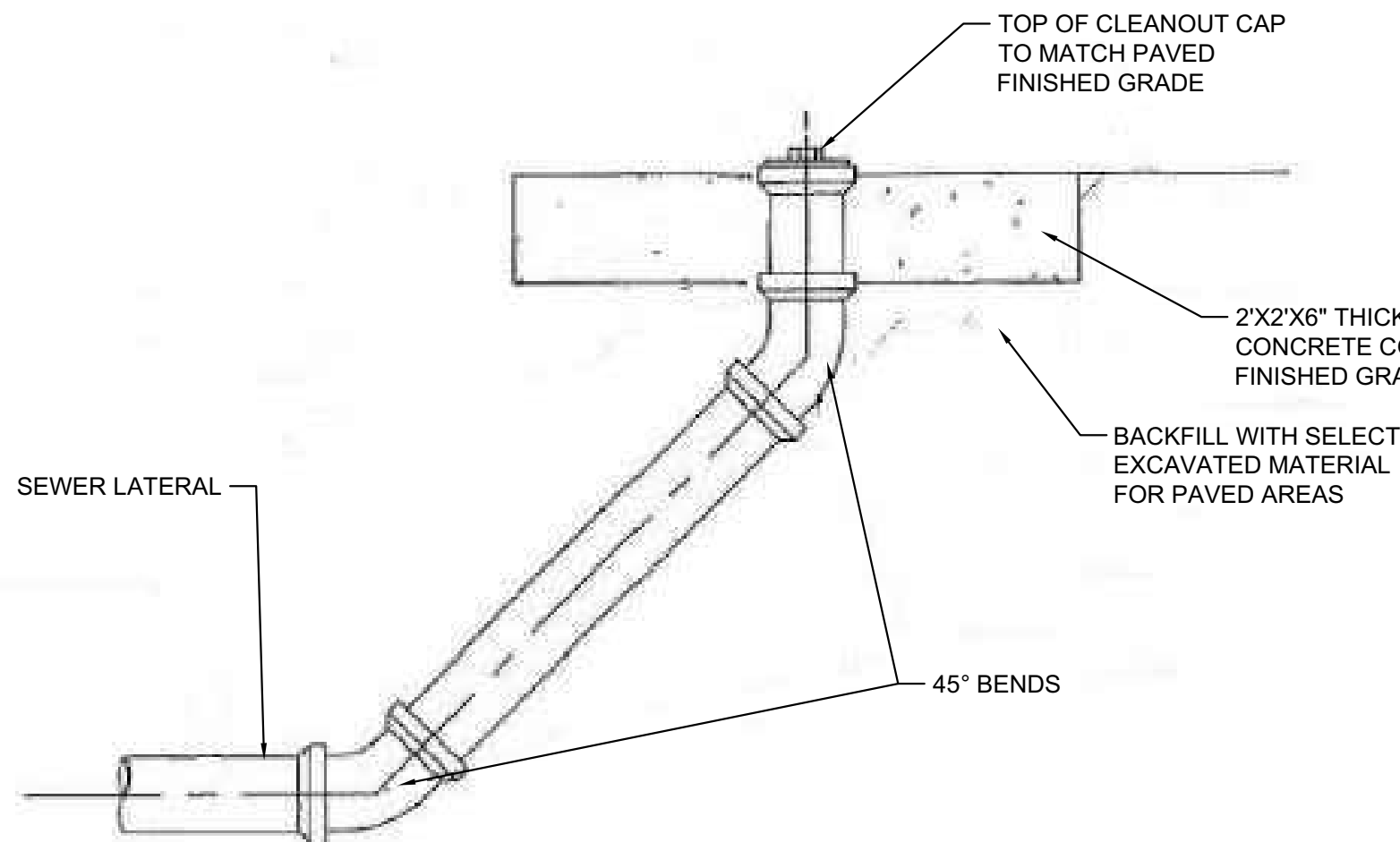


Dimensions in In [mm]					Approx. Wt. Lbs. [kg]	Grate Open Area Sq. In. [cm²]
A Pipe Size	B	B'	C	M		
3 [76]	12-1/2 [318]	13-1/2 [343]	4-3/4 [121]	4 [102]	140 [64]	43 [277]
4 [102]	9-1/4 [236]	15-3/4 [400]	5 [127]	4-1/2 [114]	145 [66]	

ENGINEERING SPECIFICATION ZURN Z761
12-1/2" X 12-1/2" [317mm x 317mm] Square top drain, Dura-Coated cast iron body with bottom outlet, seepage pan and combination membrane flashing clamp and frame for heavy-duty cast iron hinged slotted grate with suspended sediment bucket, complete with threaded side outlet deep seal trap with seepage pan and adjustable cleanup with bronze plug.

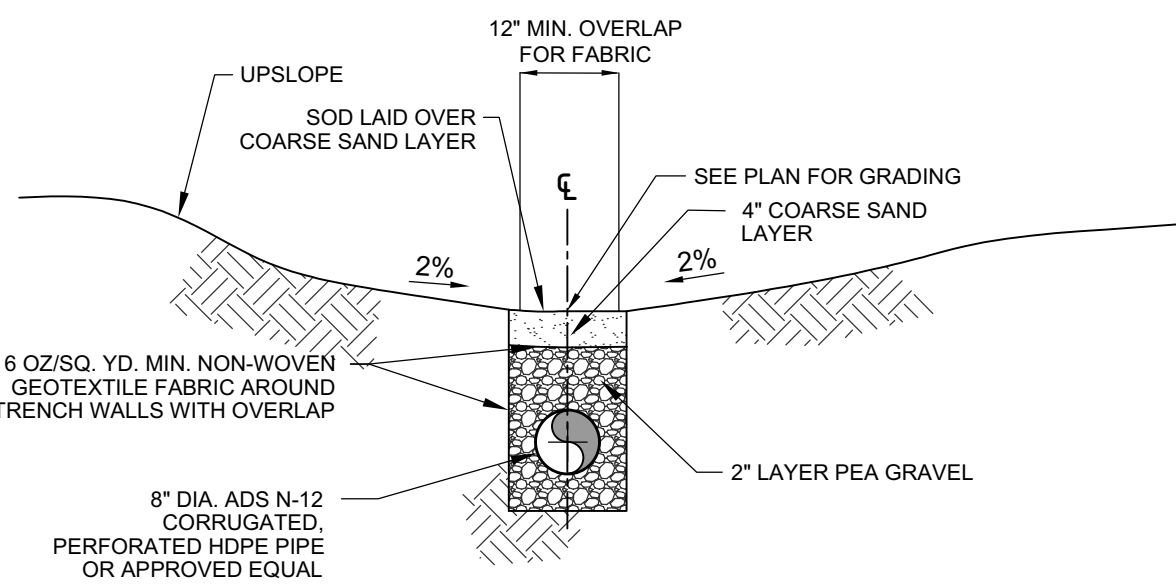
NOTE: EMBED IN CONCRETE, SEE DETAIL 6/S3.01

6 **SEWER DRAIN AND GRATE**
C3.01 SCALE: NTS



NOTE: SEE PLAN SHEET(S) FOR ELEVATION

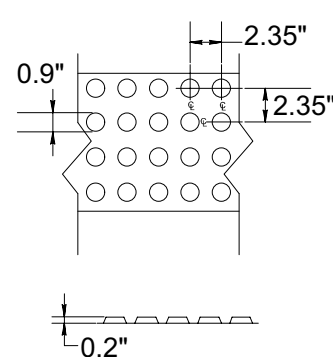
8 **CLEANOUT**
C3.01 SCALE: NTS



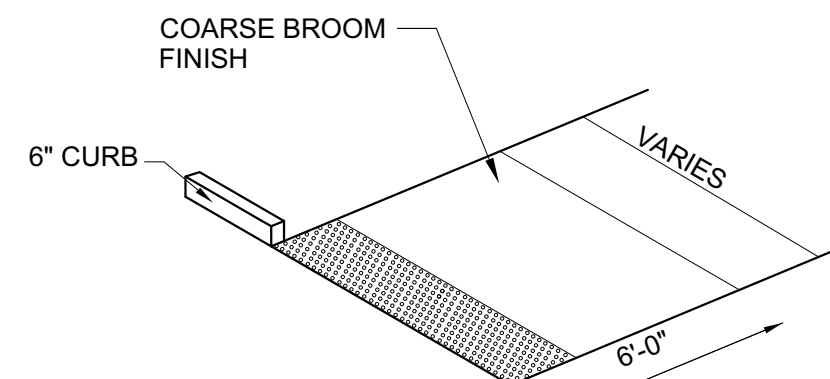
- NOTES:
- TRENCH MUST BE NO LESS THAN 14" WIDE AND 14" DEEP.
 - MINIMUM SLOPE TO VARY AS REQUIRED TO PROVIDE POSITIVE DRAINAGE.

1 **FRENCH DRAIN DETAIL**
C2.01 SCALE: NTS

- NOTES:
- DETECTABLE WARNINGS SHALL BE 24 INCHES IN THE DIRECTION OF TRAVEL AND EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE.
 - THE DETECTABLE WARNING SHALL BE LOCATED DIRECTLY BEHIND THE 6" FLUSH CURB.
 - TRUNCATED DOMES SHALL HAVE A DIAMETER OF 0.9 INCH AT THE BOTTOM, 0.4 INCH AT THE TOP, A HEIGHT OF 0.2 INCH, AND A CENTER-TO-CENTER SPACING OF 2.35 INCHES MEASURED ALONG ONE SIDE OF A SQUARE ARRANGEMENT.
 - DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE PREDOMINANT DIRECTION OF TRAVEL TO PERMIT WHEELS TO ROLL BETWEEN DOMES.
 - THERE SHALL BE A MINIMUM OF 70% CONTRAST IN LIGHT REFLECTANCE BETWEEN THE DETECTABLE WARNING AND AN ADJOINING SURFACE, OR THE DETECTABLE WARNING SHALL BE "SAFETY YELLOW". THE MATERIAL USED TO PROVIDE VISUAL CONTRAST SHALL BE AN INTEGRAL PART OF THE DETECTABLE WARNING SURFACE.
 - DETECTABLE WARNING SHALL BE 12" x 12" CONCRETE PAVERS CONFORMING TO THE CRITERIA LISTED ABOVE.
 - THE CONTRACTOR SHALL SUBMIT PRODUCT INFORMATION AND COLOR SAMPLES TO A/E FOR APPROVAL PRIOR TO ORDERING.

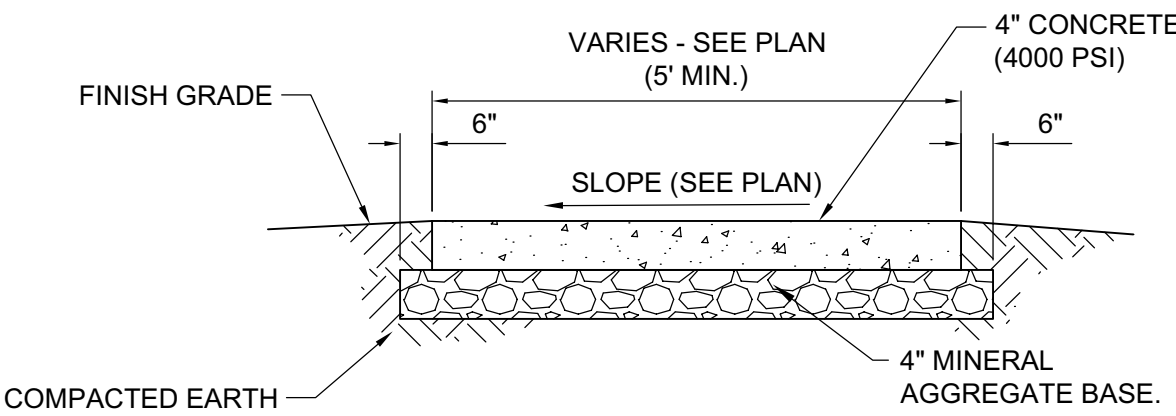


DOMES
NTS



CURB RAMP
NTS

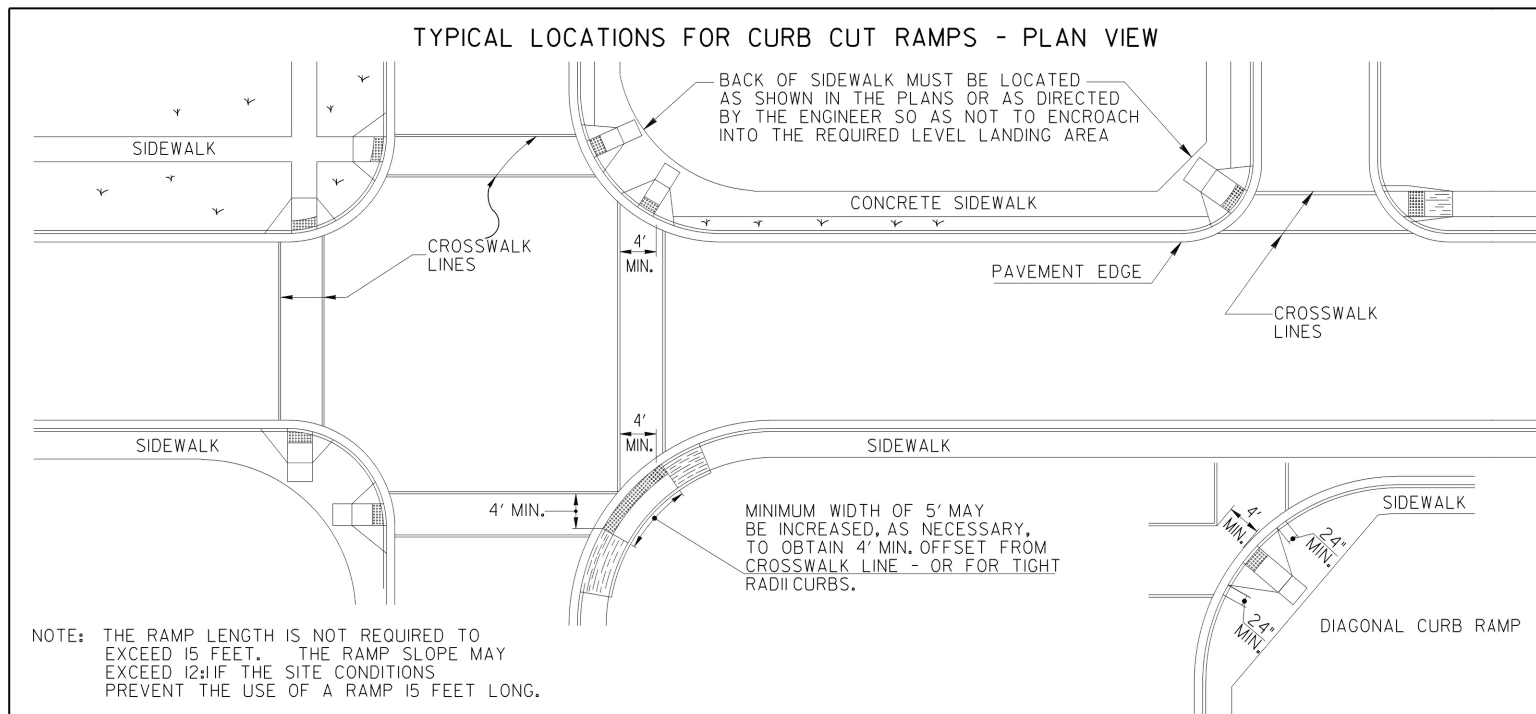
5 **DETECTABLE WARNING STRIP DETAIL**
C1.01 NTS



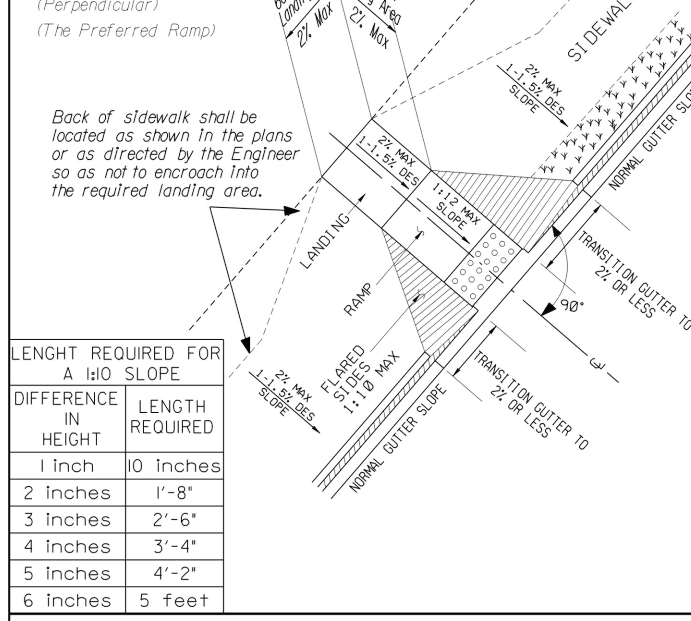
- NOTES:
- PREFORMED 1/2" EXPANSION JOINTS SHALL BE EQUALLY SPACED AT 25' CENTERS.
 - 1/4" CONTRACTION JOINTS SHALL BE EQUALLY SPACED AT 5' CENTERS BETWEEN EXPANSION JOINTS.
 - SEE PLANS FOR SPECIFIC AND/OR SPECIAL JOINT LAYOUTS, IF ANY.
 - 1.5% CROSS SLOPE TYPICAL FOR POSITIVE DRAINAGE.
 - 2.0% ABSOLUTE MAXIMUM CROSS SLOPE, STRICTLY ENFORCED.
 - SIDEWALK TO HAVE MEDIUM BROOM FINISH PERPENDICULAR TO PRIMARY DIRECTION OF TRAVEL.
 - 3/8" EXPANSION JOINT TO BE PLACED BETWEEN EXISTING BUILDINGS AND COMPACTOR FACILITY

4 **CONCRETE SIDEWALK**
C1.01 SCALE: NTS

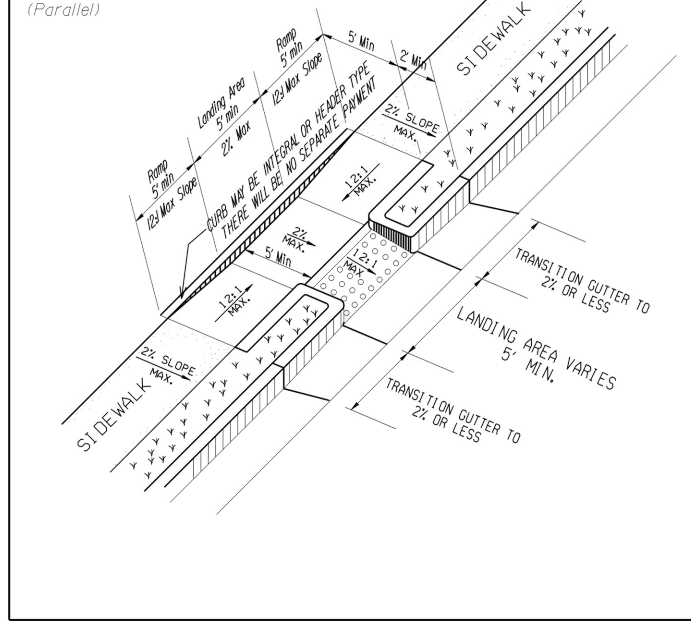
2 **CONCRETE PAVEMENT**
C1.01 SCALE: NTS



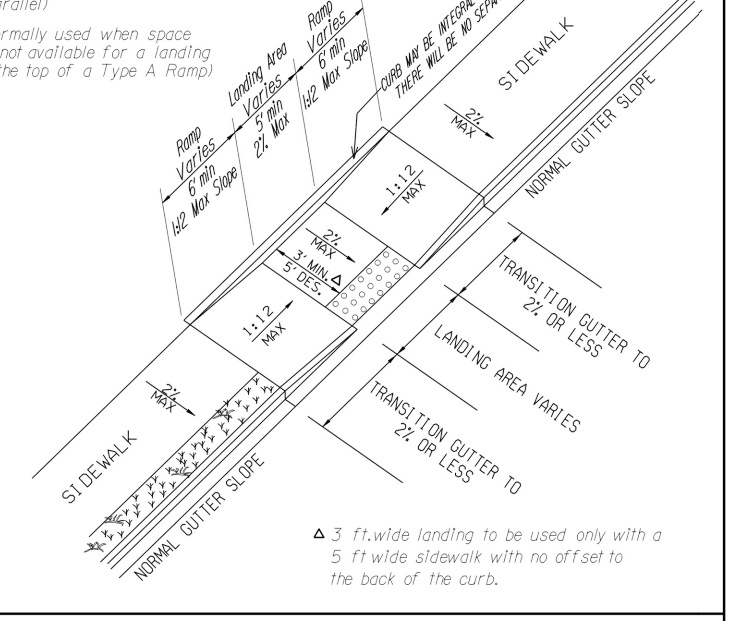
Type A
(Perpendicular)
(The Preferred Ramp)



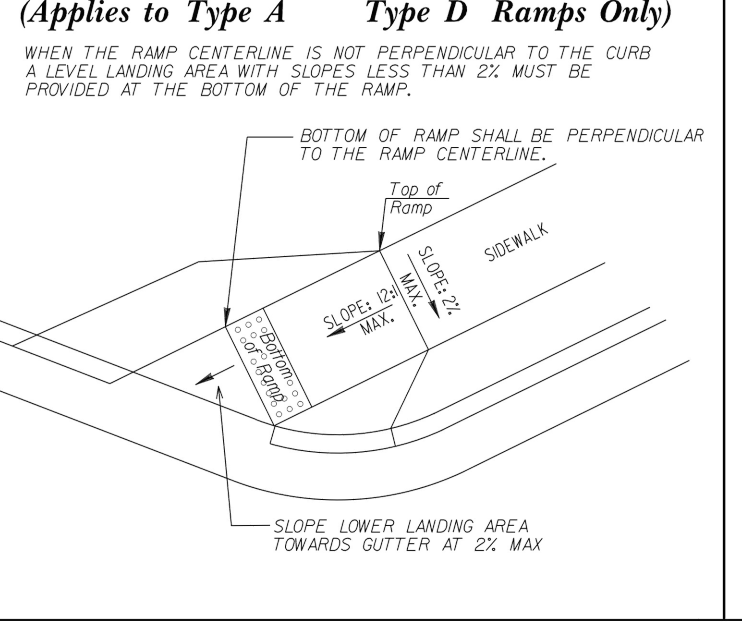
Type C
(Parallel)



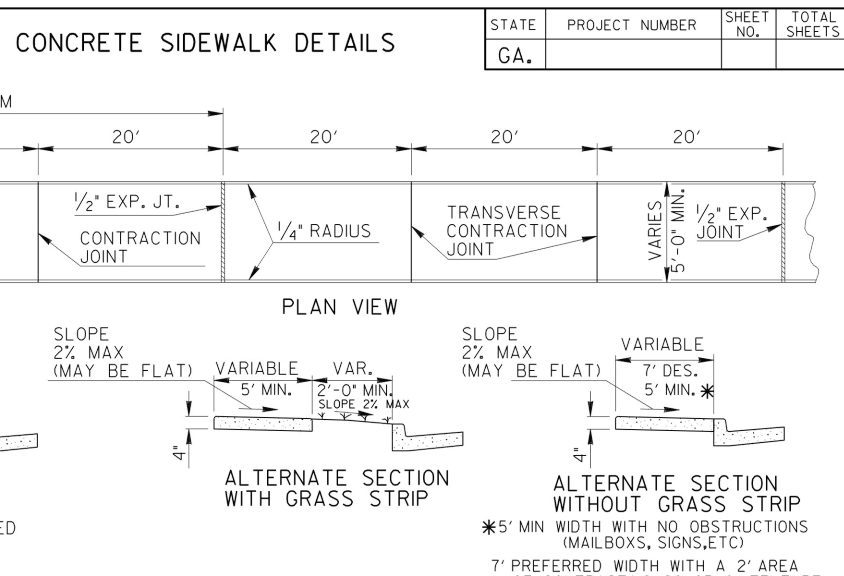
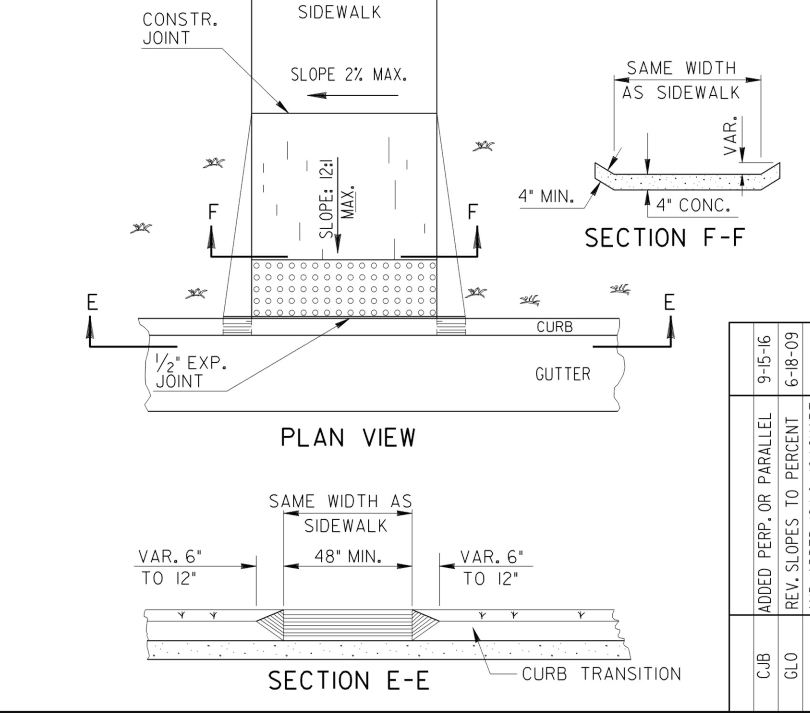
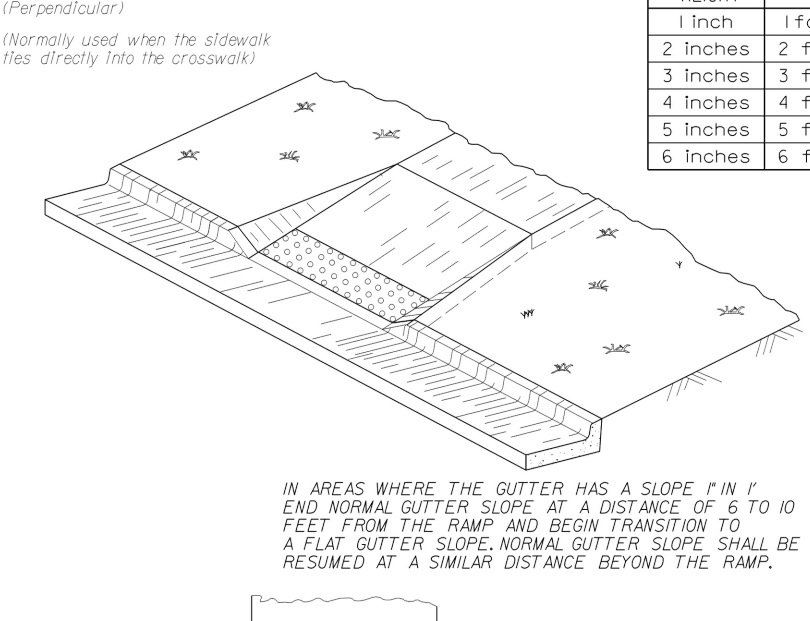
Type B
(Parallel)



Skewed Ramp Details
(Applies to Type A Type D Ramps Only)



Type D
(Perpendicular)



- NOTES FOR CONCRETE SIDEWALK:
- CONCRETE TO BE PLACED 4" THICK AND FINISHED WITH TAMPS, WOOD FLOATS AND STIFF-BRISTLE BROOMS.
 - TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 20 FT. INTERVALS. ALL EDGES TO BE ROUNDED TO 1/4" RADIUS.
 - 1/4" EXPANSION JOINTS SHALL BE PLACED, WHERE SIDEWALK TIE INTO A STRUCTURE OR TERMINATE AT CURB/RAMPS OR DRIVEWAYS AND AT 60' INTERVALS.

- NOTES FOR CURB CUT RAMP:
- CURB CUT RAMP SHALL BE LOCATED AS FOLLOWS UNLESS PLANS OR CONTRACT SPECIFY OTHERWISE:
 - AT ALL PEDESTRIAN CROSSWALKS WHERE CURB IS CONSTRUCTED OR REPLACED.
 - WHERE THE SIDEWALK, CONCRETE OR UNPAVED, IS INTERRUPTED BY THE CURB AT TURNOUTS OR AT INTERSECTIONS.
 - AT OTHER LOCATIONS SUCH AS HOSPITALS, NURSING HOMES, REST AREAS, ETC., WHERE THE CURB WOULD OTHERWISE BE AN OBSTRUCTION TO THE PHYSICALLY DISABLED.
 - RAMP SHALL BE CONSTRUCTED FROM CONCRETE. SPECIFICATIONS FOR RAMP SHALL BE THE SAME AS FOR CONCRETE SIDEWALK. RAMP SHALL HAVE EITHER A ROUGH OR A TEXTURED FINISH.
 - DROP INLETS ARE NOT TO BE LOCATED DIRECTLY IN FRONT OF RAMP. CATCH BASINS SHOULD BE LOCATED AT LEAST 10 FT. FROM RAMP WHEN FEASIBLE.
 - WHERE RAMP ARE LOCATED IN RADII, THE DIMENSIONS SHOWN FOR RAMP WIDTHS AND TAPERS ARE MEASURED PERPENDICULAR TO THE RAMP AND NOT ALONG THE CURVE.
 - WHERE UTILITY STRUCTURES CONFLICT, WHERE SIDEWALK GEOMETRY VARIES, AT SKEWED INTERSECTIONS, OR IN OTHER SPECIAL CASES, THE RAMP DESIGN MAY BE MODIFIED BY THE DESIGNER OR ENGINEER, PROVIDED THAT THE WIDTH REMAINS A MINIMUM OF 48 INCHES, AND NO SLOPE ON THE ACCESSIBLE PART OF THE RAMP IS STEEPER THAN 12:1.
 - LIN. FT. OF CURB AND GUTTER WILL INCLUDE THE TRANSITIONED CURB IN FRONT OF RAMP. 50% TO 100% OF CONCRETE SIDEWALK AND CONCRETE W/OT PAVING WILL INCLUDE RAMP. NO ADDITIONAL PAYMENT WILL BE MADE FOR CURB RAMP. ADDITIONAL PAYMENT WILL BE MADE FOR SAVING AND REMOVING EXISTING SIDEWALK OR CURB WHERE NECESSARY FOR RAMP CONSTRUCTION.
 - WHEN A CURB RAMP IS PLACED ON EXISTING PAVEMENT, THE PAVEMENT SHALL BE REMOVED TO PROVIDE A MINIMUM THICKNESS OF 3 INCHES OF CONCRETE AT ALL LOCATIONS. NO SEPARATE PAYMENT WILL BE MADE FOR REMOVAL OF THE PAVEMENT.
 - DETECTABLE WARNING SURFACES ARE REQUIRED ON ALL INTERSECTIONS WITH PUBLIC (STREET), SIGNALIZED COMMERCIAL DRIVEWAYS, AND COMMERCIAL DRIVEWAYS WITH AN ADOT OF 25 YPD.

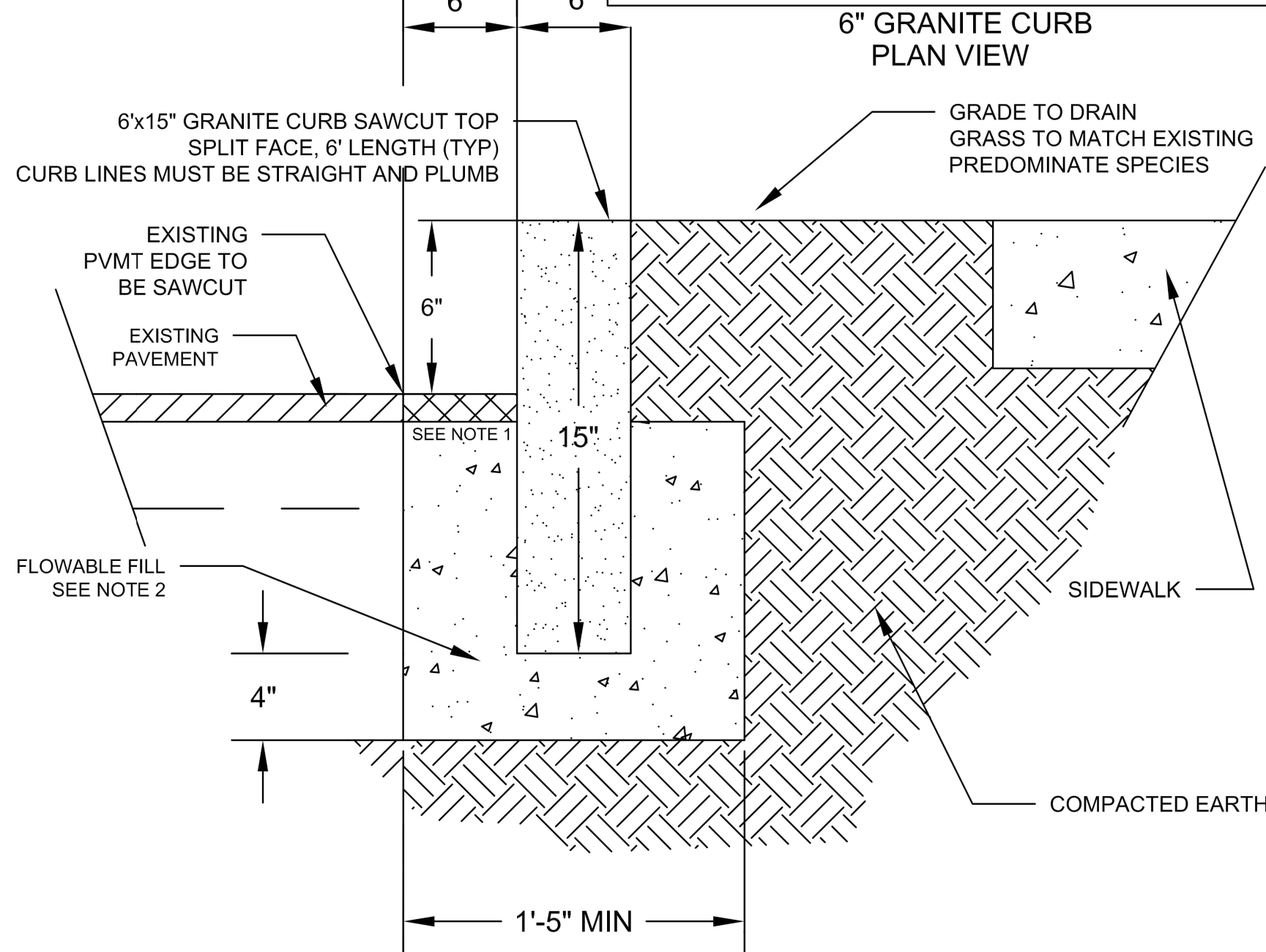
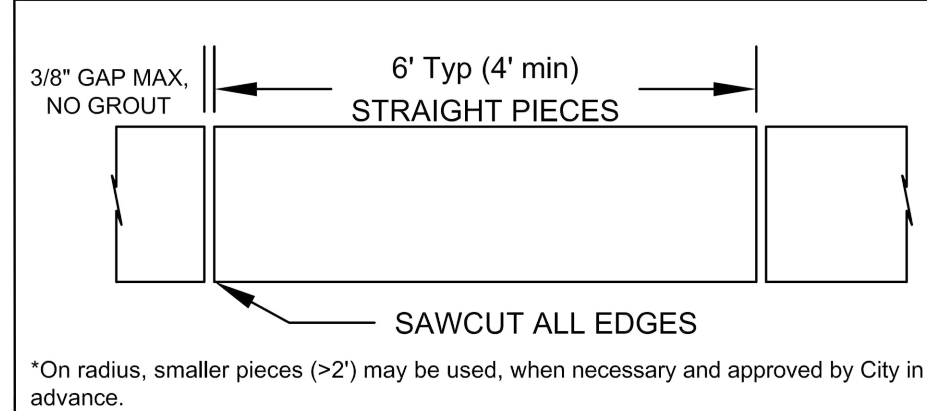
This Detail Replaces Ga Standard 9031W
Guidelines For Usage on M&Tic Projects

When these details are incorporated into plans and or projects that are being prepared or constructed in metric units, exact or precise conversion to metric units is not required. The dimensions shown that are in feet and inches may be converted to corresponding metric units using the following "Round-off" Conversion Factors: 1" = 25mm, 4" = 100mm, 6" = 150mm. All measurement notes that refer to linear feet and square yards shall be interpreted to mean linear meters and square meters.

DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA			
SPECIAL DETAIL CONCRETE SIDEWALK DETAILS CURB CUT (WHEELCHAIR) RAMPS			
NO SCALE			
MARCH 12, 2002			
NUMBER A3			

NOTES:

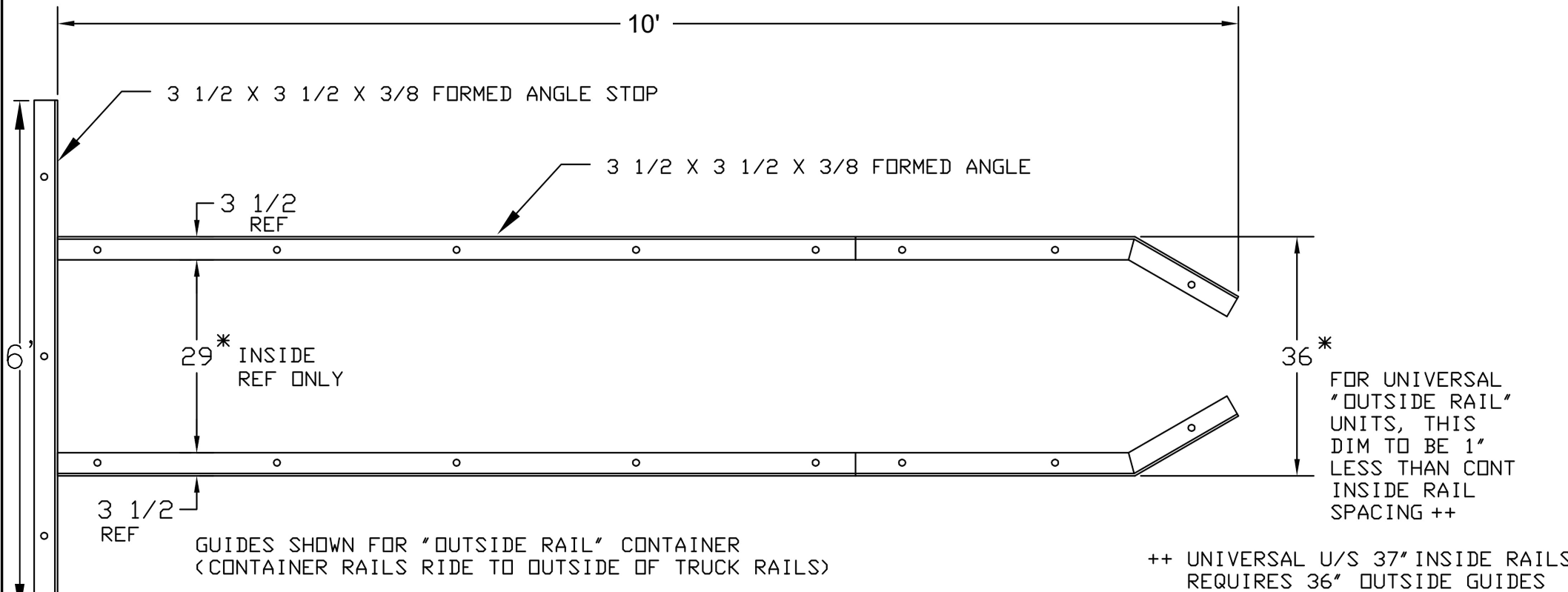
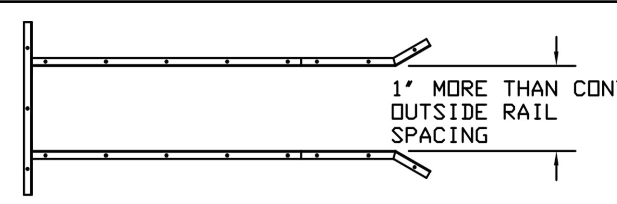
- BACKFILL AROUND CURB TO 8" BELOW TOP. ONCE CURED, INSTALL AND TAMP APPROVED COLD PATCH (EZ STREET OR PERMA PATCH) TO MEET 6" CURB REVEAL. PER GDOT SPECIFICATIONS: SECTION 600 CONTROLLED LOW STRENGTH FLOWABLE FILL, 125 PSI MIN.



1 GRANITE CURB
C4.01 SCALE: NTS

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GUIDES ALSO AVAILABLE IN 5' LENGTH
BOTH LENGTHS AVAILABLE WITHOUT STOP ANGLE



* DIMS SHOWN ARE EXPLICITLY FOR UNIVERSAL UNDERSTRUCTURES WITH 37\"/>

MATERIAL:

MARATHON

Equipment Company,
Vernon, Al.
Yerington, Nv.
Clearfield, Pa.

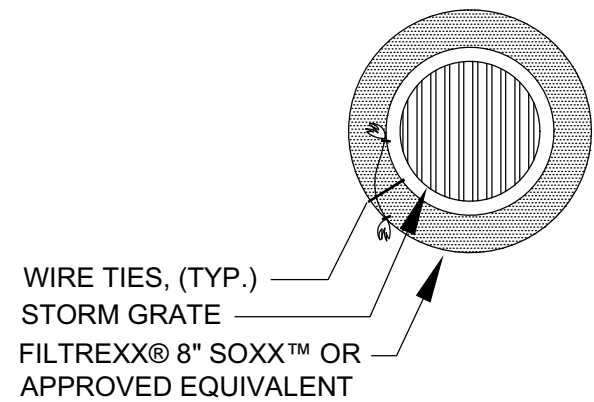
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CONTAINER GUIDES 10' W/STOPS
F/UNIV U/S W/ 37\"/>

Drawn: DS
Date: 7/9/04
Drawing Number:
60385

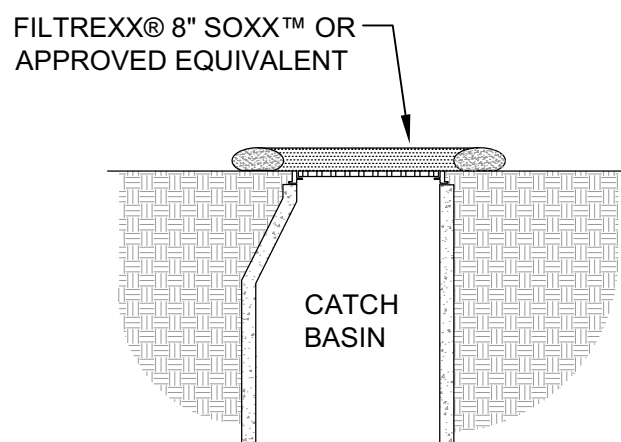
Routing:
Scale:
1/2\"/>

NOTE: MOUNT TO SLAB WITH 1/2\"/>

2 GUIDES AND STOPS
C4.01 SCALE: NTS



DRAIN INLET PLAN



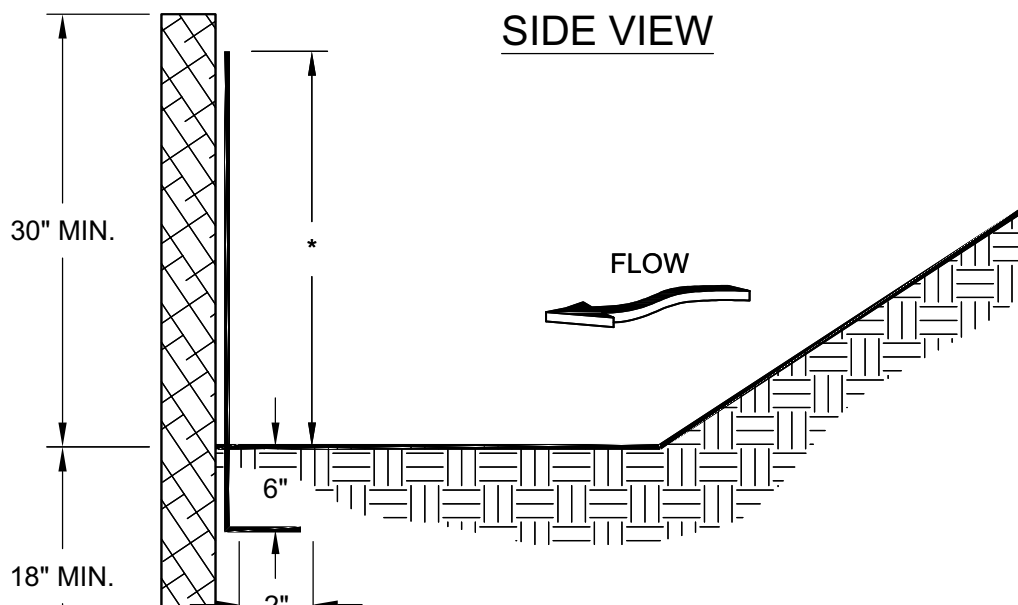
DRAIN INLET SECTION

NOTES:

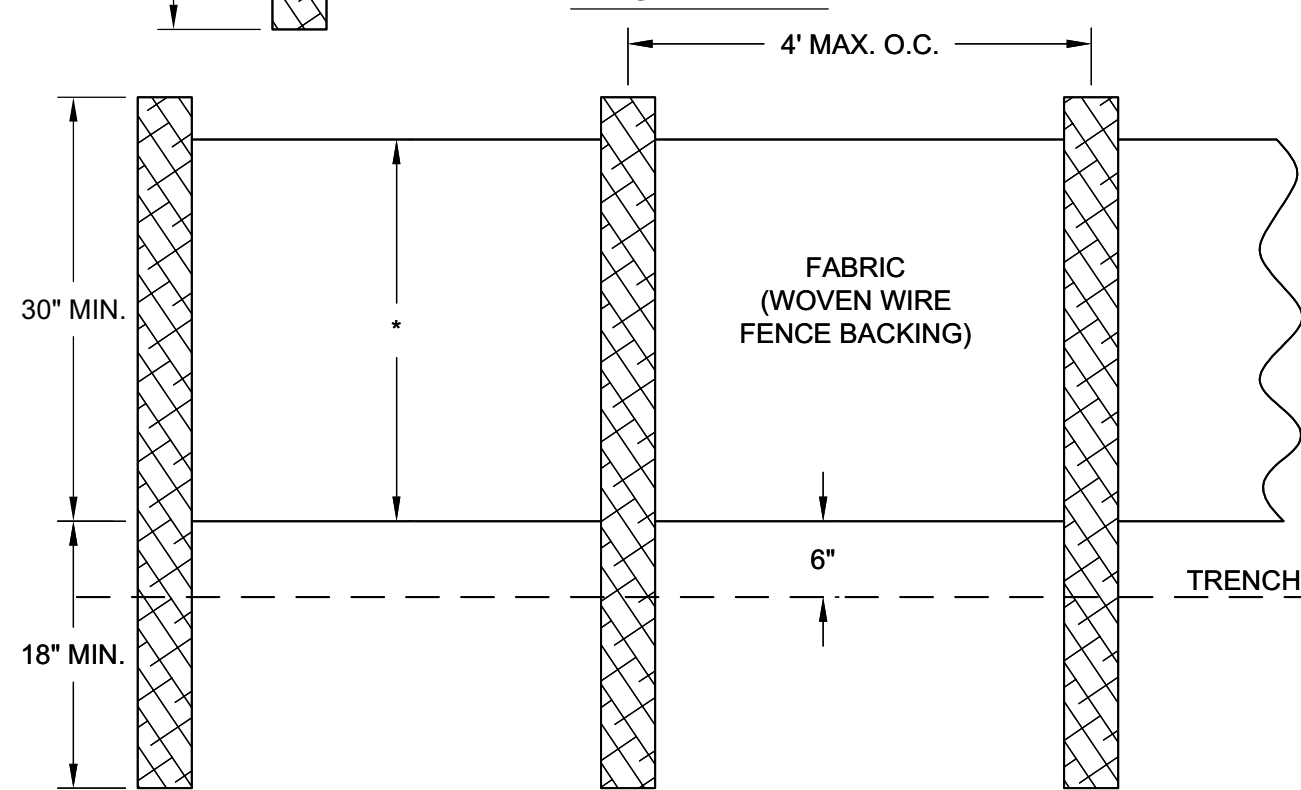
- ALL MATERIAL TO MEET FILTREXX® OR APPROVE EQUIVALENT SPECIFICATIONS.
- FILTERING FILL MEDIA TO MEET APPLICATION REQUIREMENTS.
- COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

3 DRAIN INLET FILTER
EC1.01/N.T.S. Sd2-P

SIDE VIEW



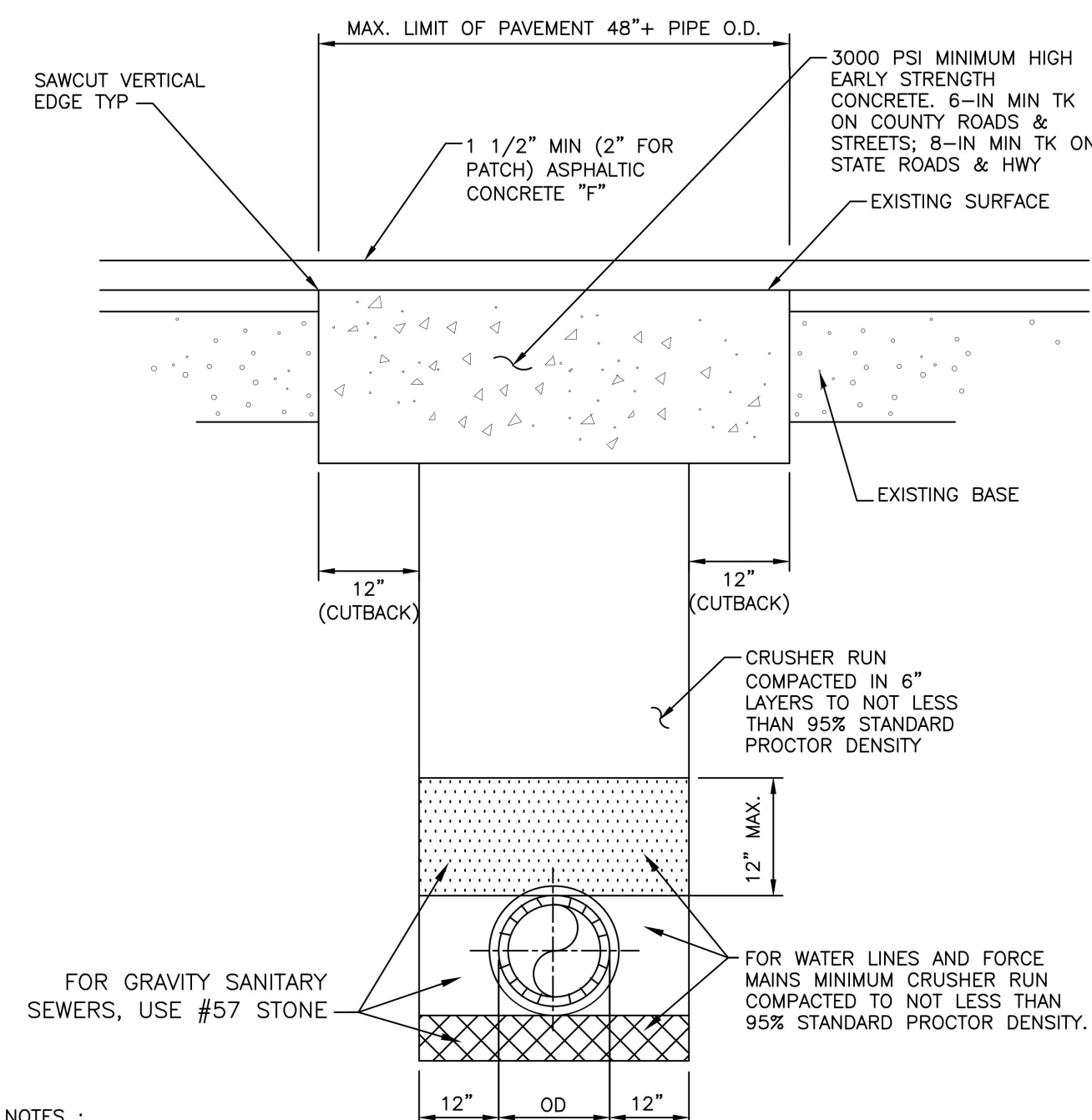
FRONT VIEW



NOTES:

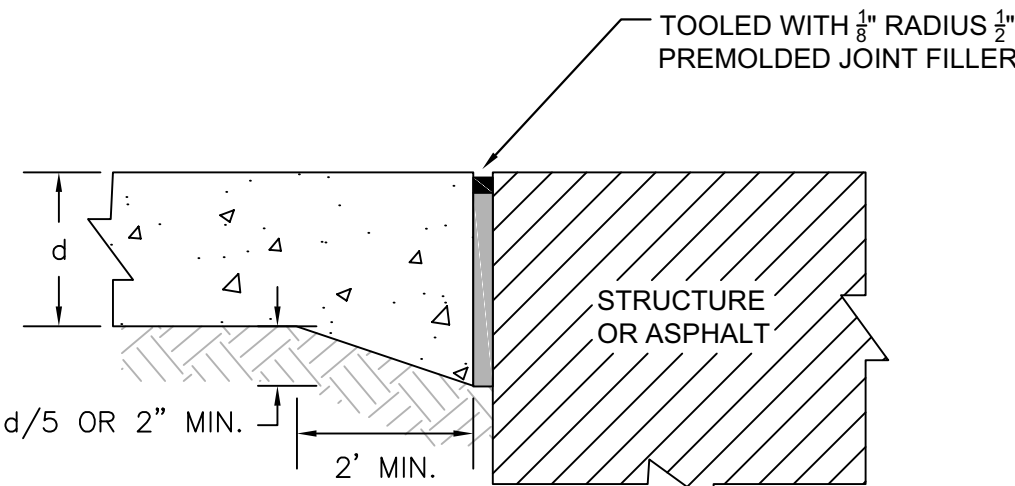
- USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
- HEIGHT (3') IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
- C-POP IS APPROVED ALTERNATIVE.

4 SILT FENCE - TYPE SENSITIVE
EC1.01/N.T.S. Sd1-S

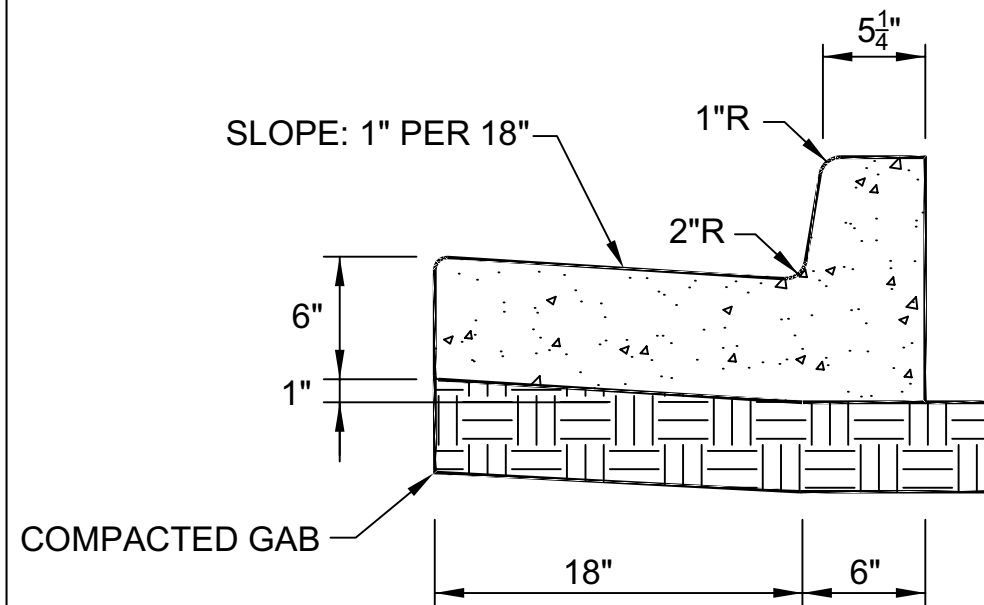


NOTES :

- SAW CUT EXISTING PAVEMENT TO PROVIDE STRAIGHT VERT. JOINTS.
- SURFACES TO BE CLEANED AND BITUMINOUS TACK COAT APPLIED BEFORE PLACEMENT OF ASPHALTIC TOP.
- FOR EXIST SURFACE OF PORTLAND CEMENT CONCRETE, FURNISH NEW SURFACE OF 3000 PSI MINIMUM HIGH EARLY STRENGTH CONCRETE.
- ON LONGITUDINAL CUTS EXCEEDING 100 FEET, THE CONC IN THE TRENCH SHALL BE BROUGHT FLUSH WITH THE EXISTING PAVEMENT AND THE ENTIRE WIDTH OF ROADWAY RESURFACED W/ 1-1/2\"/>

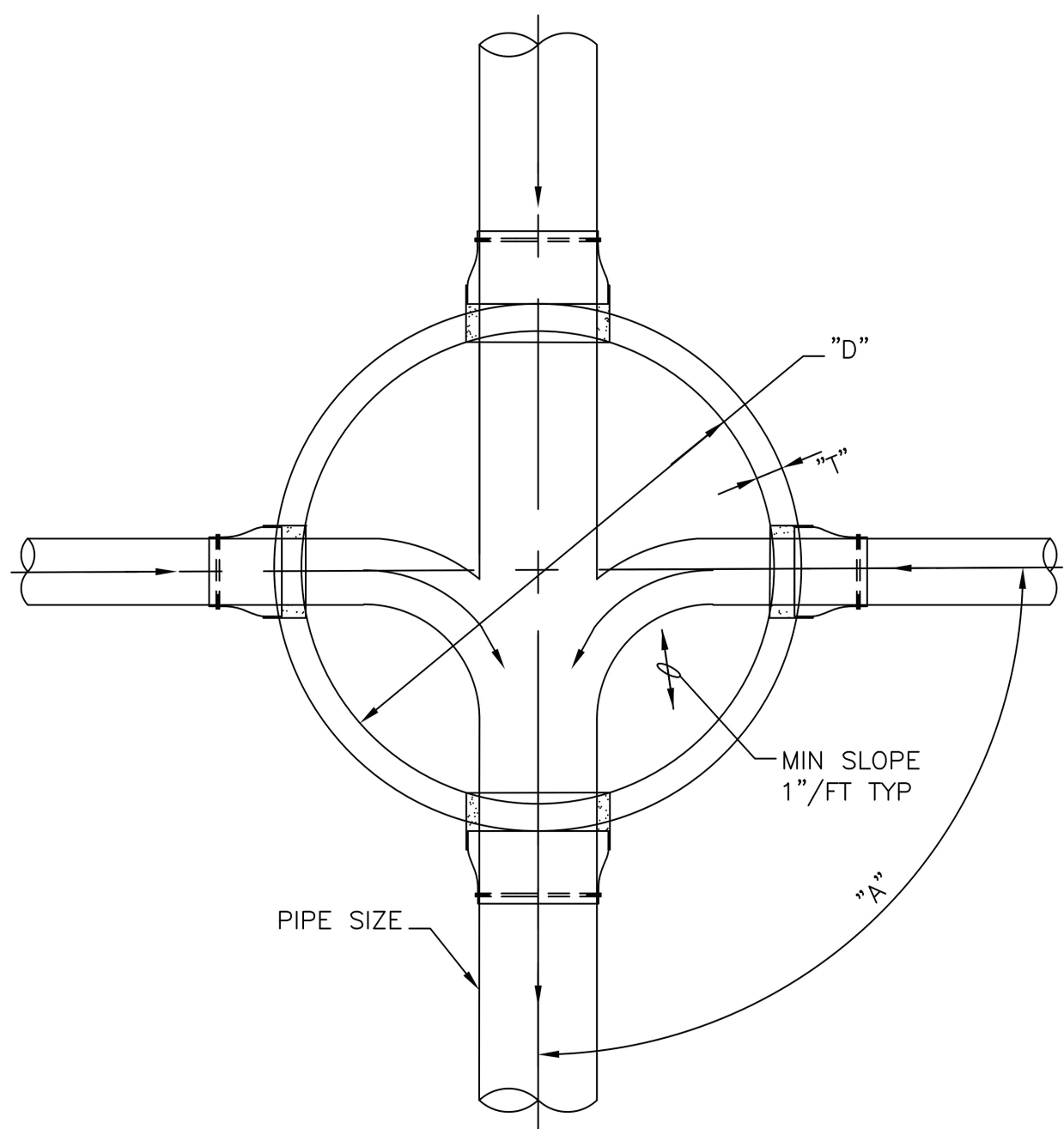


9 THICKENED EDGE AND ISOLATION JOINT
C1.01 SCALE: NTS



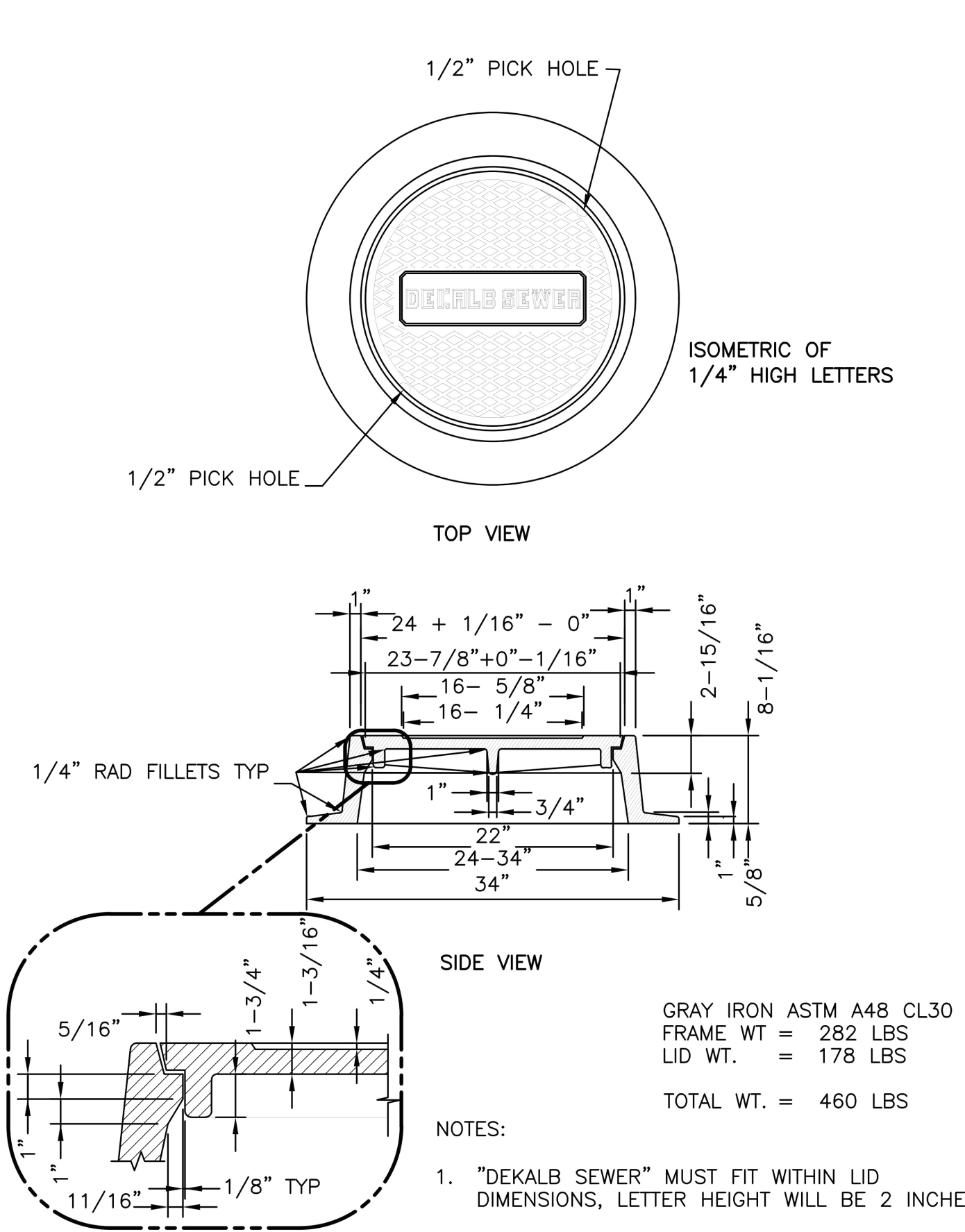
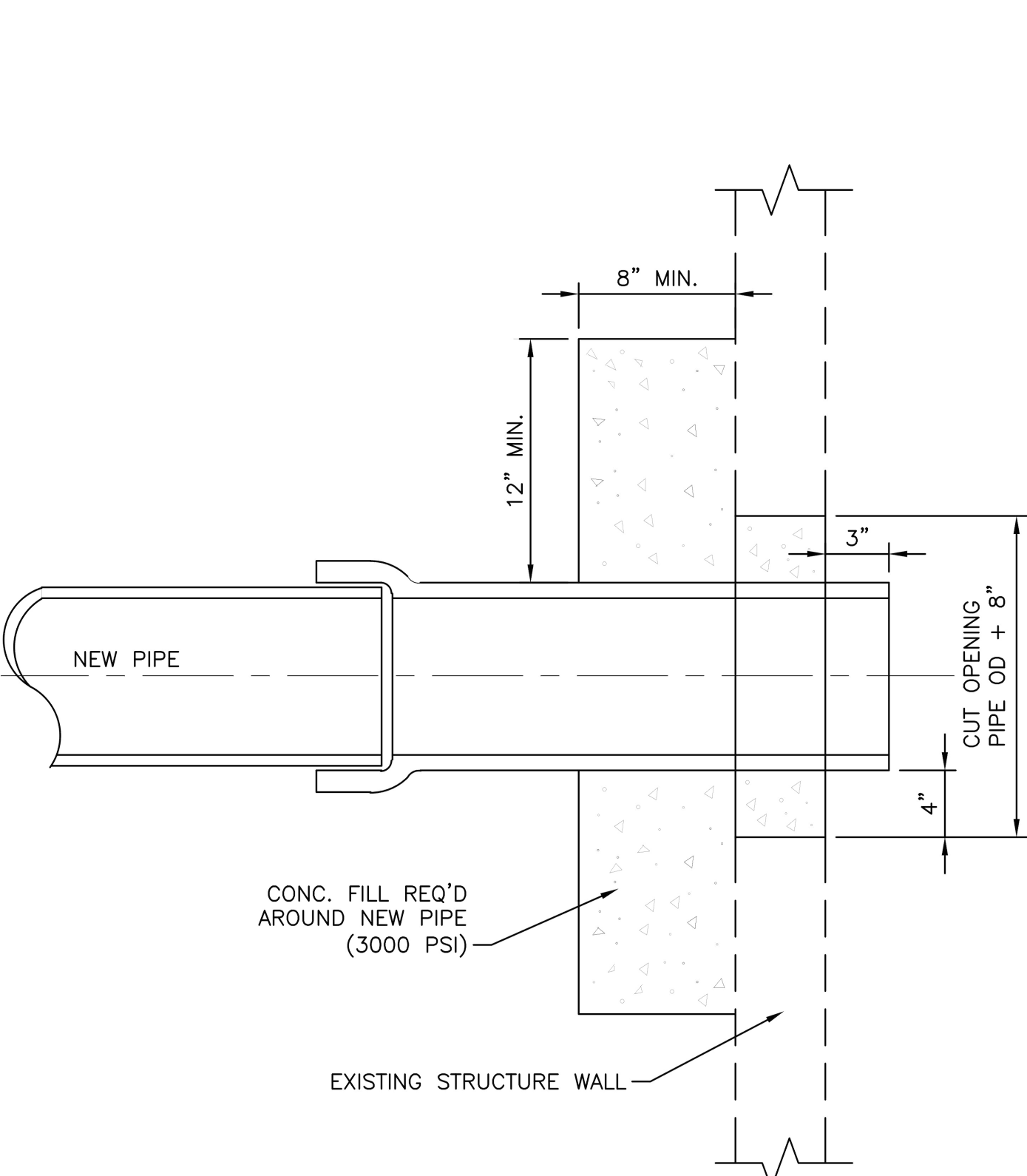
3 TYPICAL CURB & GUTTER DETAIL
C1.01 SCALE: NTS

USER: JACOUSINEAU
FILE: P:\38088\3808860704_CADD\DWG\Drawing\PC19 Site Details.dwg
PLOT: 10/25/2024 11:20:25
PLOTED: 4/11/2025



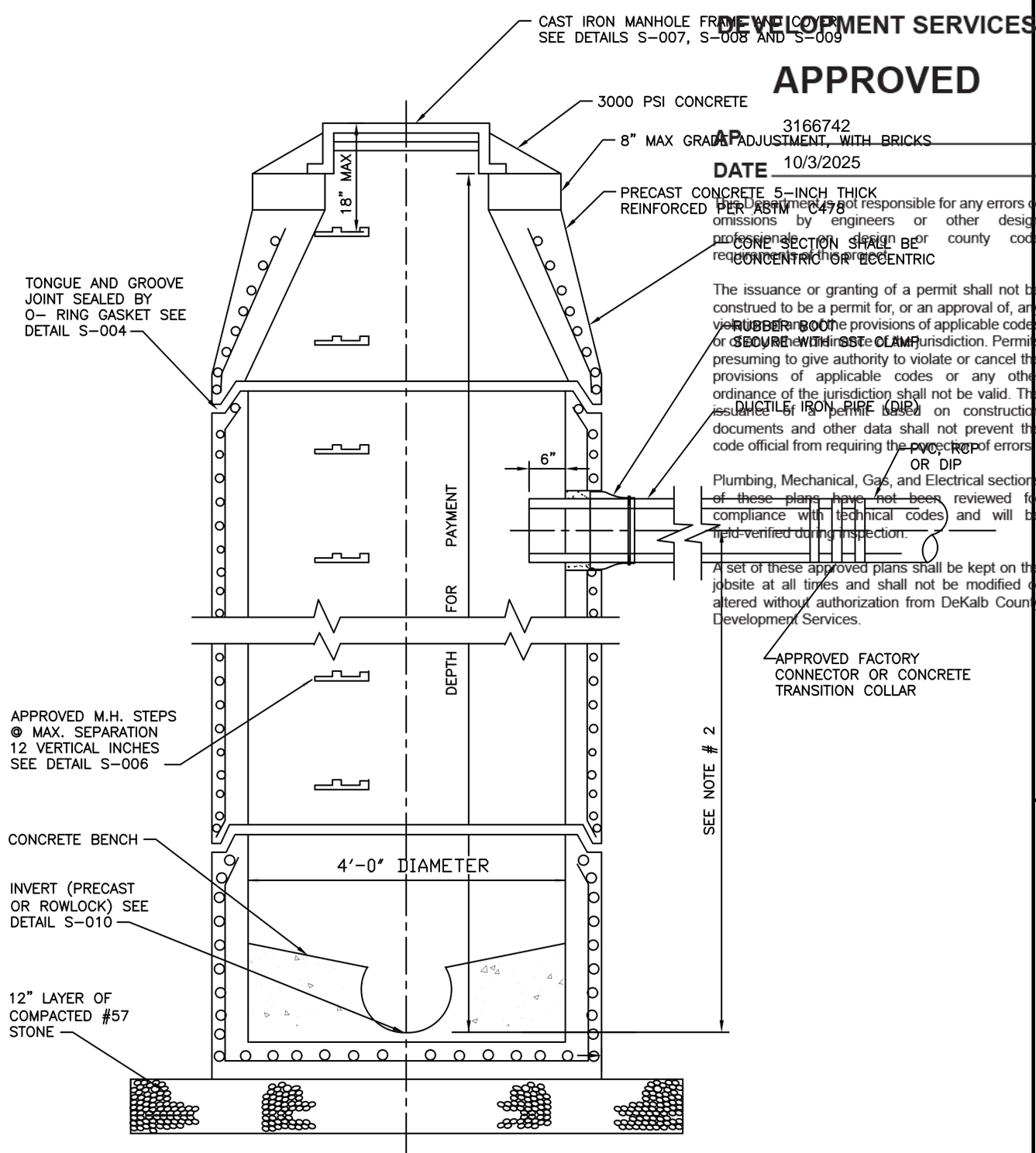
PIPE SIZE	"A"	"D"	"T"
6" & 15"	0" - 90"	4'-0"	5"
18"	0" - 60"	4'-0"	5"
18"	60" - 90"	5'-0"	6"
21" & 24"	0" - 60"	5'-0"	6"
21" & 24"	60" - 90"	6'-0"	7"

NOTE:
1. MINIMUM CENTERLINE RADIUS OF MANHOLE INVERT = 1.5 x PIPE DIAMETER

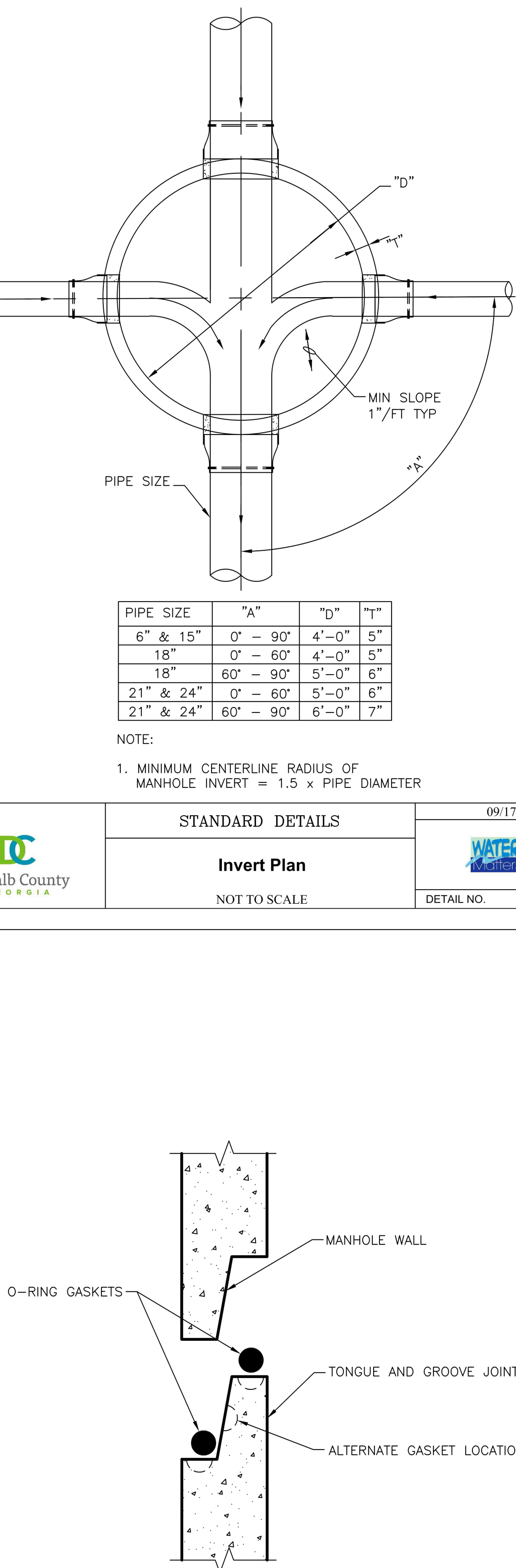


GRAY IRON ASTM A48 CL30
FRAME WT = 282 LBS
LID WT. = 178 LBS
TOTAL WT. = 460 LBS

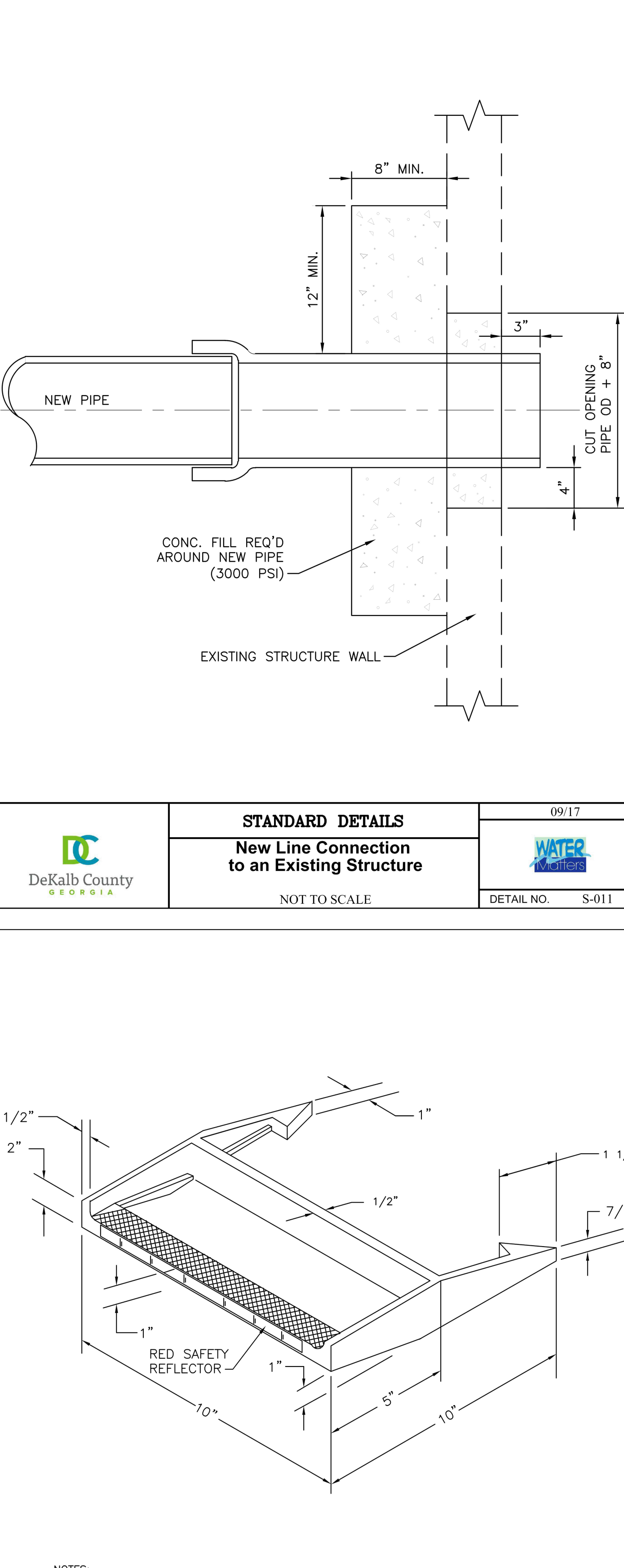
NOTES:
1. "DEKALB SEWER" MUST FIT WITHIN LID DIMENSIONS, LETTER HEIGHT WILL BE 2 INCHES.



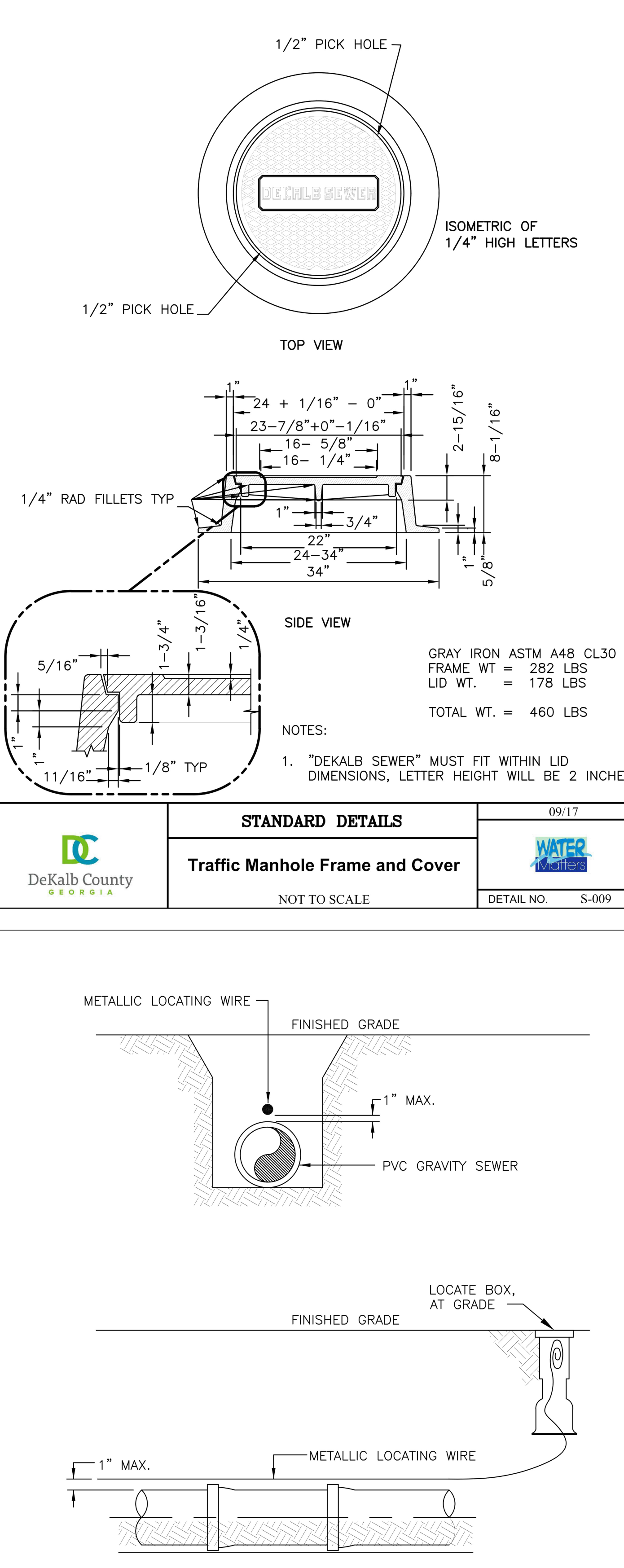
NOTES:
1. WHERE NECESSARY TO CONSTRUCT MANHOLE OVER EXISTING SEWER, 9" THICK CONCRETE POURED-IN-PLACE FOOTING/FOUNDATION MAY BE USED IN LIEU OF PRECAST BOTTOM SECTION.
2. WHERE DROP FROM INVERT OF MANHOLE TO INVERT OF INFLUENT PIPE(S) EXCEED 2'-0", AN OUTSIDE DROP CONNECTION SHALL BE REQUIRED EXCEPT WHEN DCCWM SPECIFICALLY APPROVES ITS ELIMINATION. SEE DETAILS S-003 OR S-027.
3. PRECAST ALL OPENINGS FOR PIPE IN BASE AND RISER UNITS.



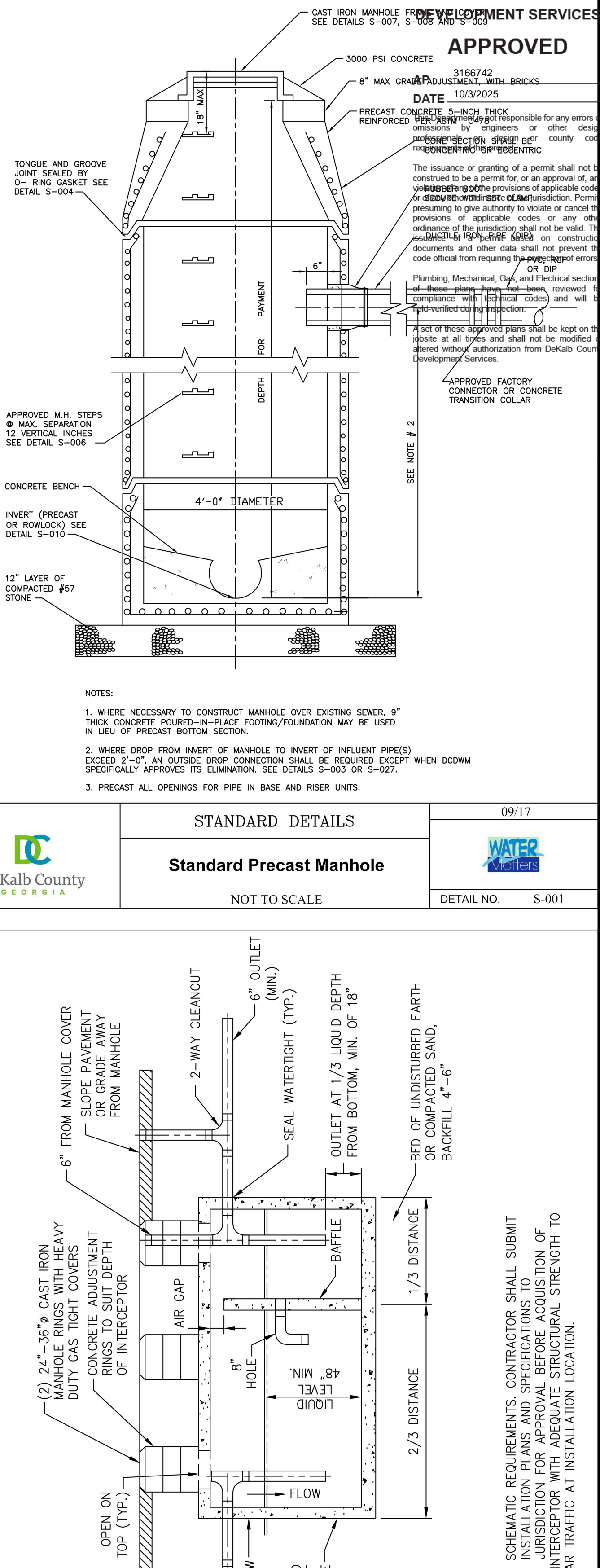
NOTE:
AFTER INSTALLATION JOINTS SHALL BE GROUTED SMOOTH WITH CEMENT GROUT ON INSIDE AND OUT, ALSO AN EXTERNAL WRAP SUCH AS INFI-SHIELD GATOR WRAP OR EQUAL SHALL SEAL EACH OUTSIDE JOINT.



NOTES:
1. STEPS MAY BE CAST IRON, COATED STEEL, PLASTIC OR ALUMINUM AND MEET ASTM C-478 REQUIREMENTS.
2. MINIMUM DESIGN LIVE LOAD SHALL BE A SINGLE CONCENTRATED LOAD OF 300LBS.
3. STEPS SHALL BE A MINIMUM OF 10" WIDE, EMBEDDED A MINIMUM OF 3" AND PROJECT MINIMUM CLEAR DISTANCE OF 4".
4. MAXIMUM VERTICAL SPACING SHALL BE 12" IN THE COMPLETED MANHOLE.



NOTES:
1. PVC PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (12 GAUGE COPPER) CAPABLE OF DETECTION BY A CABLE LOCATOR
2. THE CABLE SHALL BE BURIED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE. LOCATING WIRE SHALL TERMINATE AT THE MANHOLE FRAME
3. USE DUCT TAPE AS NECESSARY TO HOLD WIRE DIRECTLY ON THE TOP OF THE PIPE.



DETAIL SHOWS GENERAL SCHEMATIC REQUIREMENTS. CONTRACTOR SHALL SUBMIT PROPOSED INSTALLATION PLANS AND SPECIFICATIONS TO AUTHORITIES GOVERNING JURISDICTION FOR REVIEW BEFORE ACQUISITION OF PERMITS. PERMITS SHALL BE OBTAINED PRIOR TO INSTALLATION. PERMITS SHALL ACCOMMODATE VEHICULAR TRAFFIC AT INSTALLATION LOCATION.








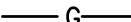


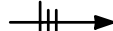

GENERAL ELECTRICAL NOTES

3. INSTALLATION SHALL CONFORM TO REQUIREMENTS OF NFPA 70, NATIONAL ELECTRICAL CODE AND APPLICABLE STATE AND LOCAL CODES. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR ELECTRICAL INSTALLATIONS, MATERIALS, AND METHODS.
2. THE WORK OF THIS PROJECT INCLUDES FURNISHING ALL LABOR AND MATERIALS AS REQUIRED FOR INSTALLATION OF TRASH COMPACTOR. WORK INCLUDES DISTRIBUTION , GROUNDING, POWER EQUIPMENT, 120 VOLT CONTROL POWER, RACEWAY AND LOW VOLTAGE SYSTEMS. CONTRACTOR SHALL PAY FOR ALL PERMITS, INSPECTIONS, TESTING AND FEES.
3. ALL EXISTING UNDERGROUND CONDUITS AND UTILITIES SHALL BE LOCATED PRIOR TO DIGGING OR TRENCHING.
4. DRAWINGS ARE APPROXIMATE AND DIAGRAMMATIC, AND ILLUSTRATE THE RELATIONSHIP BETWEEN CONDUIT AND EQUIPMENT. DO NOT SCALE THE DRAWINGS. FIELD VERIFY EXACT LOCATIONS FOR EQUIPMENT AND CONDUIT ROUTING REQUIREMENTS. REFER TO MANUFACTURER'S INSTRUCTIONS AND CODES FOR INSTALLATION CLEARANCES. REFER QUESTIONS AND CONFLICTS TO OWNER'S REPRESENTATIVE PRIOR TO COMMENCING WORK.
5. ELECTRICAL DRAWINGS ARE DIAGRAMMATIC IN NATURE UNLESS SPECIFICALLY DIMENSIONED. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ACTUAL ARRANGEMENT WITH OTHER TRADES. WHERE SPECIFICALLY DIMENSIONED, CONTRACTOR SHALL ATTEMPT TO MAINTAIN THE DIMENSIONS NOTED, EXCEPT WHERE CONFLICTS MAY EXIST BETWEEN OTHER UTILITIES. ADJUST LOCATIONS TO COORDINATE WITH OTHER TRADES.
6. ALL EQUIPMENT FURNISHED AND INSTALLED SHALL BE NEW AND FREE OF DEFECTS OF MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE OF THE WORK BY THE OWNER. PROMPTLY REPLACE AND REPAIR ALL DEFECTIVE EQUIPMENT AND ALL OTHER EQUIPMENT DAMAGED THEREBY AT NO ADDITIONAL COST TO THE OWNER.
7. ALL ELECTRICAL EQUIPMENT INSTALLED SHALL BEAR THE UL LABEL EXCEPT WHERE UL DOES NOT LABEL SUCH EQUIPMENT. THE EQUIPMENT SHALL BE LISTED BY UL OR OTHER NATIONALLY RECOGNIZED TESTING LABORATORY.
8. ALL TRENCHING, CONDUIT, BACKFILL AND SURFACE REPAIR BY CONTRACTOR.
9. WHERE MANUFACTURERS AND MODELS ARE INDICATED ON PLANS, THESE PROVIDE ONLY A MINIMUM LEVEL OF QUALITY AND ARE NOT NECESSARILY INTENDED AS PROPRIETARY SPECIFICATIONS. THE ITEMS NOTED ARE USED AS A DESIGN BASIS THROUGHOUT THE DOCUMENTS AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONFLICTS WITH OTHER TRADES AND WIRING CHANGES RESULTING FROM SUBSTITUTIONS.
10. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE CIRCUIT ROUTING AS REQUIRED TO MEET THE SCHEMATIC INTENT OF THE PLANS.
11. EXPOSED BOXES SHALL BE CAST FERALLOY TYPE, CONCEALED BOXES SHALL BE STAMPED STEEL.
12. IN LONG RACEWAYS FURNISH AND INSTALL THE PROPER NUMBER AND SIZE OF PULL BOXES TO FACILITATE INSTALLATION OF CONDUCTORS.
13. INSTALL SEPARATE GROUNDING CONDUCTOR IN EACH RACEWAY.
14. THE ENTIRE INSTALLATION SHALL BE MADE IN A NEAT MANNER BY PERSONS SKILLED IN THE ELECTRICAL TRADE AND SHALL BE IN ACCORDANCE WITH THE REFERENCED STANDARDS LISTED ABOVE.
15. MAKE POWER CONNECTIONS TO MECHANICAL EQUIPMENT. FURNISH AND INSTALL ALL ASSOCIATED RECEPTACLES AND DISCONNECT SWITCHES. FUSE SIZE FOR DISCONNECT SWITCHES SHALL BE AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
16. MAINTAIN CODE REQUIRED WORKING CLEARANCE AT ALL DISCONNECT SWITCHES AND PANELS.
17. THE MAXIMUM LENGTH OF FLEXIBLE CONDUIT FROM A JUNCTION BOX TO A MOTOR SHALL BE SIX (6) FEET.
18. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES WHICH MIGHT OCCUR BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UTILITIES.

ELECTRICAL ABBREVIATIONS LEGEND

SYMBOL	DESCRIPTION
ABC	ABOVE COUNTERTOP OR LAVATORY
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
C	CONDUIT
E	EMERGENCY
EF	EXHAUST FAN
EUH	ELECTRIC UNIT HEATER
EWC	ELECTRIC WATER COOLER
EWI	ELECTRIC WATER HEATER
FACP	FIRE ALARM CONTROL PANEL
FAT	FIRE ALARM TRANSDUCER
FBO	FURN'D BY OTHER DIV., INSTALLED AND/OR CONNECTED BY THIS DIV.
G/GND/GRD	GROUND
GFI	GROUND FAULT CIRCUIT INTERRUPTER
GWH	GAS FIRED WATER HEATER
GUH	GAS UNIT HEATER
HWP	HOT WATER PUMP
HWRP	HOT WATER RECIRCULATING PUMP
L	LOUVER
MS	MOTOR STARTER
NL	NIGHT LIGHT (NON-SWITCHED)
SS	SOUND SYSTEM
VF	VENTILATION FAN
UON	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF
XFMR	TRANSFORMER
MTD	MOUNTED
MSB	MAIN SWITCHBOARD
LC	LIGHTING CONTACTOR
LP	LIGHTING PANEL
RP	RECEPTACLE PANEL
DP	DISTRIBUTION POWER PANEL
UP	UNINTERRUPTIBLE POWER PANEL
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
UPS	UNINTERRUPTIBLE POWER SUPPLY
ESB	EMERGENCY SWITCHBOARD
GEN	GENERATOR
ATS	AUTOMATIC TRANSFER SWITCH
XP	EXPLOSION PROOF
RB	REMOTE BALLAST

ELECTRICAL POWER LEGEND

SYMBOL	DESCRIPTION
	SURFACE MOUNTED PANELBOARD - 120/208 VOLT
	DRY-TYPE TRANSFORMER - SEE SCHEDULE
	ENCLOSED CIRCUIT BREAKER
	NON FUSED DISCONNECT SWITCH-AMPS (FUSE SIZE)/POLES AS NOTED
	FUSED DISCONNECT SWITCH-AMPS (FUSE SIZE)/POLES AS NOTED
	ELECTRIC MOTOR - HORSEPOWER AS INDICATED ("F" INDICATES FRACTIONAL HP)
	GROUND ROD
	GROUNDING CONDUCTOR - INSTALLED AS NOTED
	JUNCTION BOX WITH BLANK COVER - SIZE PER SPEC'S
	PULL BOX WITH BLANK COVER
	HOMERUN CONDUIT - MIN 3/4" C SHORT SLASHES INDICATE QTY OF #12 PHASE OR SWITCHING CONDUCTORS; LONG SLASHES INDICATE NEUTRAL CONDUCTORS NO. SLASHES INDICATE 2#12, 1#12 GRD, UON
	CONDUIT TURNING UP/DOWN

WIRING

BRANCH CIRCUIT, PROVIDE CONDUIT AND WIRING AS REQUIRED. ARROW INDICATES HOMERUN TO PANEL A CIRCUIT 21, BY WAY OF EXAMPLE.

FLEXIBLE CONDUIT CONNECTION

XXX = UGP - UNDERGROUND POWER
UGS - UG SECONDARY
UGE - UG ELEC
UGC - UG COMMUNICATIONS
P - POWER
S - SIGNAL
E - ETHERNET
D - DIGITAL I/O
A - ANALOG I/O
COMM - COMMUNICATIONS
OH - OVERHEAD

— G —
GROUNDING

ELECTRICAL LEGEND

CITY OF TUCKER
1ST AVE COMPACTOR FACILITY
TUCKER, DEKALB COUNTY, GEORGIA

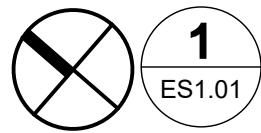
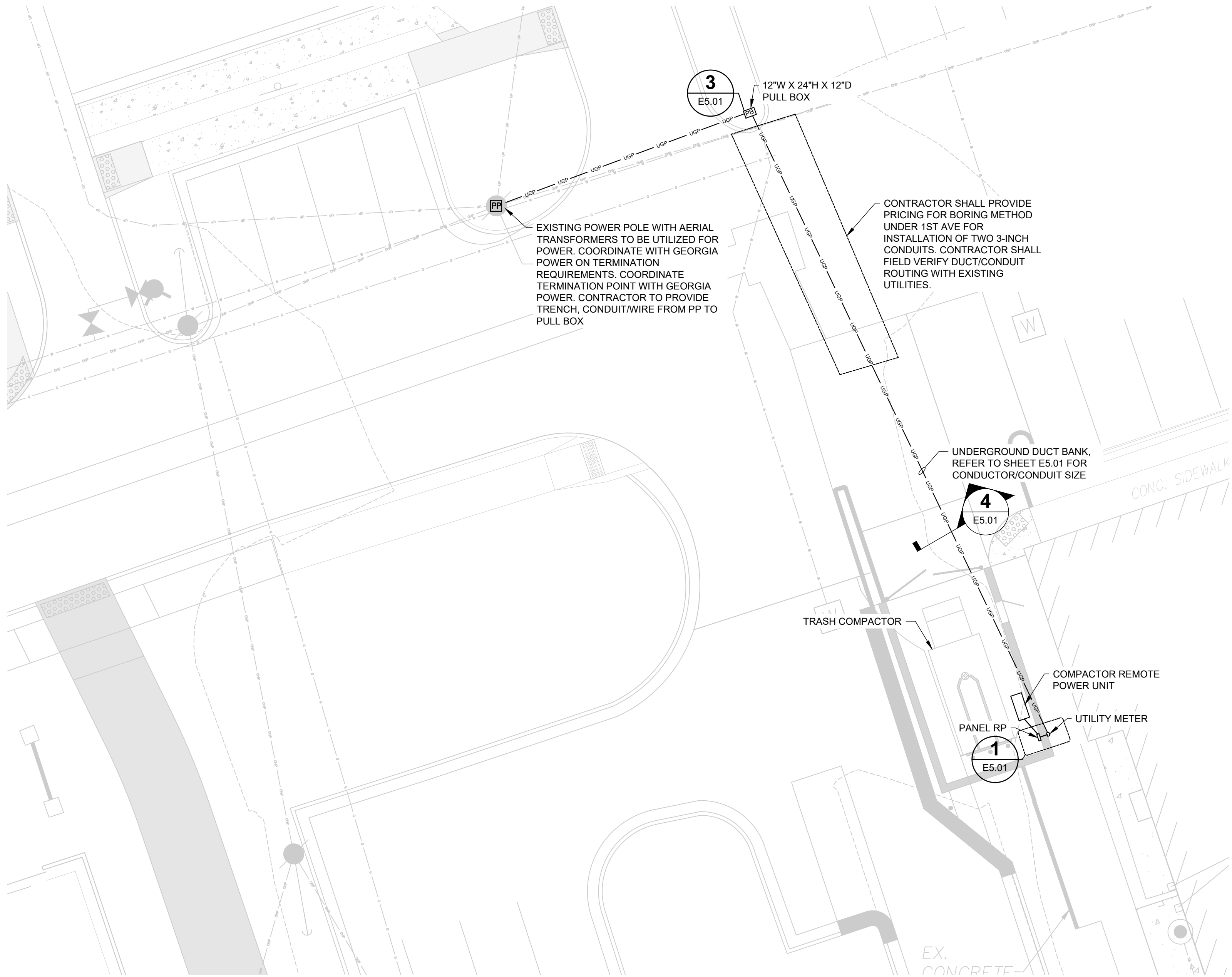
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PLOT: 2/21/2025



ELECTRICAL SITE PLAN

SCALE: 1" = 10'

GENERAL NOTES:

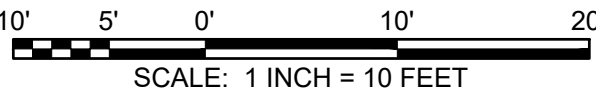
- A. TRASH COMPACTOR PROVIDED WITH CONTROL PANEL. CONTRACTOR SHALL INSTALL VENDOR PROVIDED CONTROL PANEL, AND POWER CONDUIT/WIRE FROM PANEL RP.
- B. CONDUIT SHALL BE PVC SCH 40 UNDERGROUND AND RIGID GALVANIZED STEEL (RGS) ABOVE GROUND. MIN OF 1" CONDUIT.
- C. CABLE SHALL BE THHN/THWN-2 CU. CABLING SHALL BE #12 MIN.



ELECTRICAL SITE PLAN

CITY OF TUCKER
1ST AVE COMPACTOR FACILITY
TUCKER, DEKALB COUNTY, GEORGIA

REVISION INFORMATION		DATE	DESCRIPTION
REV.	CHK.	DATE	DESCRIPTION
0	JWB	02/21/2025	ISSUED FOR CONSTRUCTION



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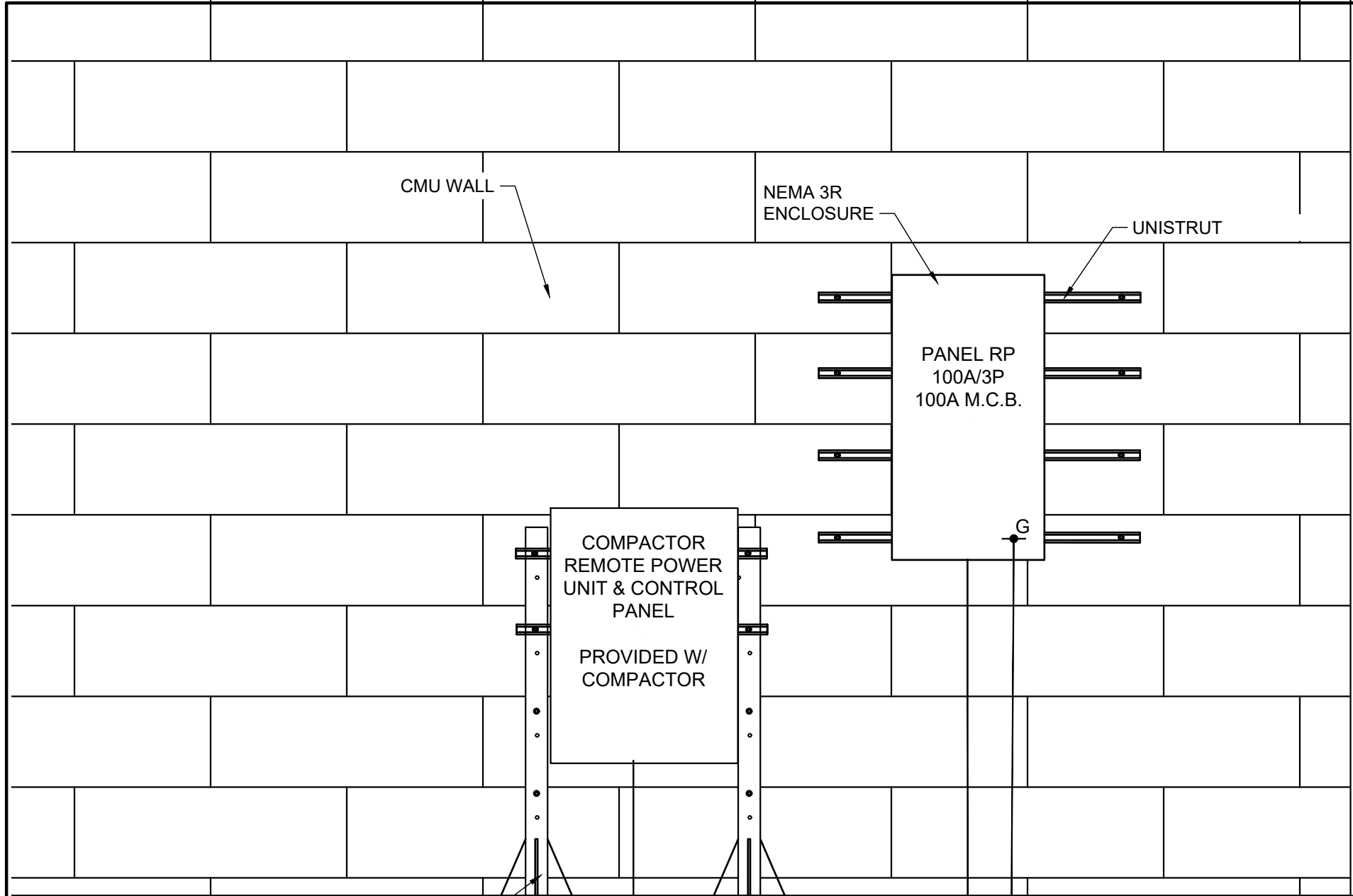
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DESIGN SOLUTIONS

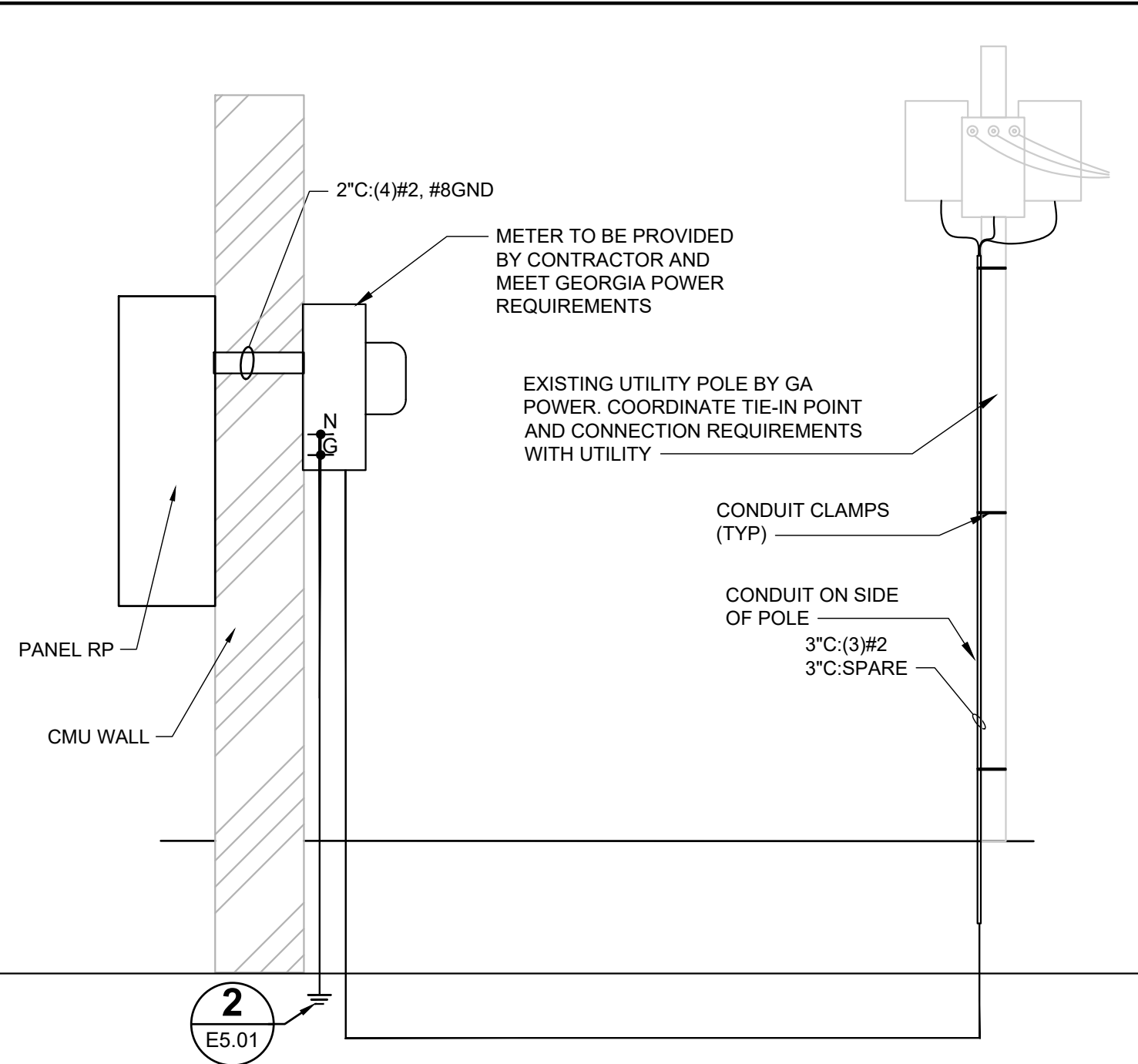
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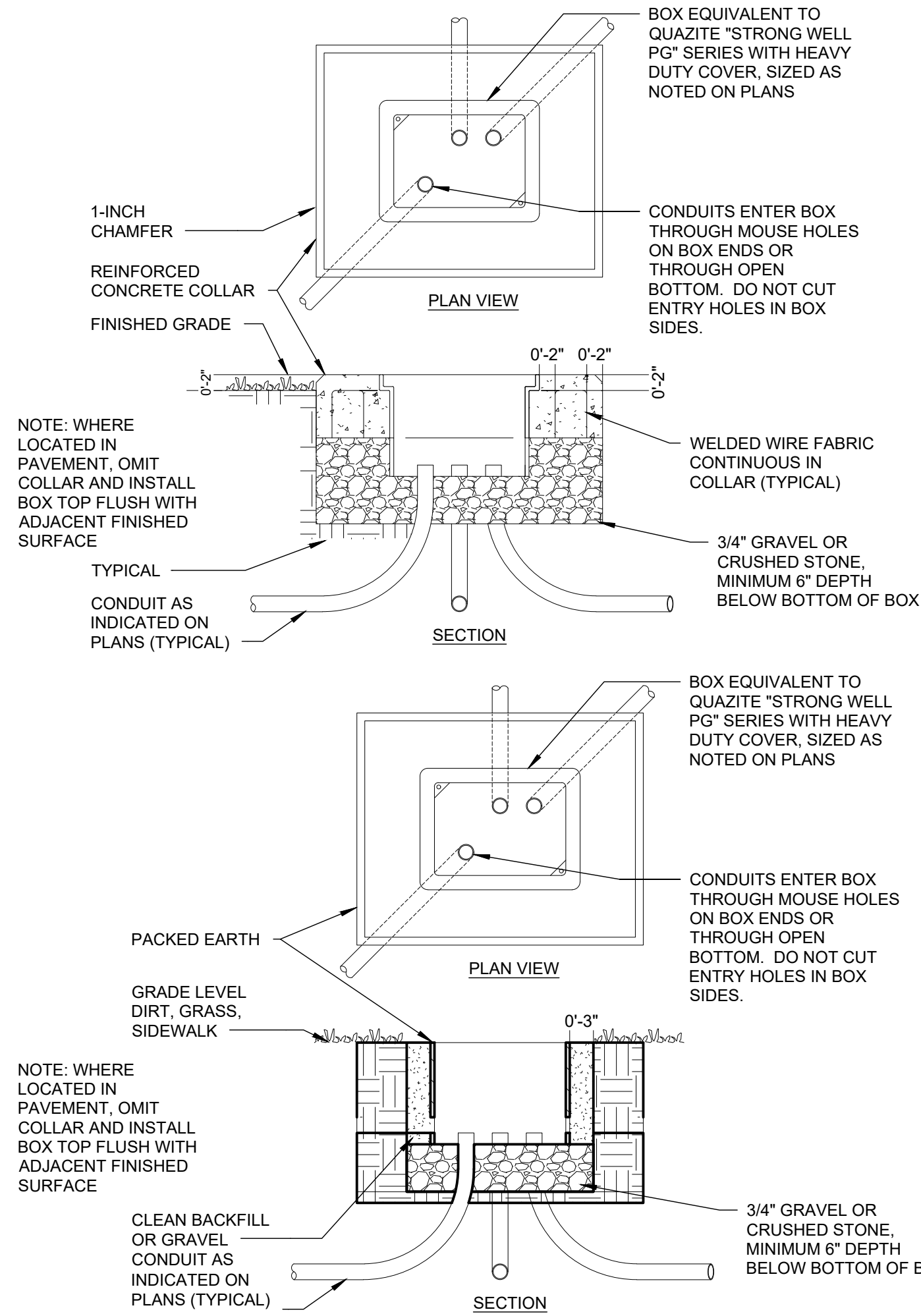
FRONT ELEVATION

1
E5.01
DETAIL - RISER DIAGRAM



SIDE ELEVATION

N.T.S.



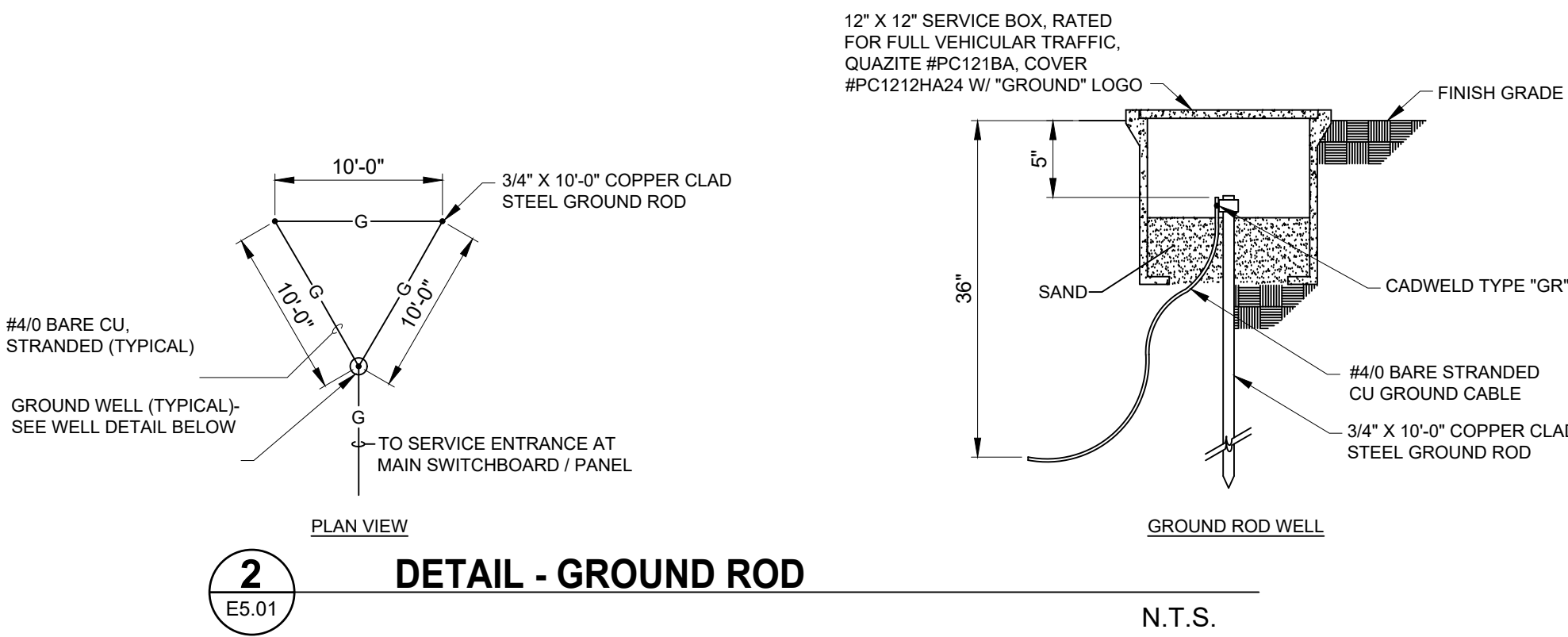
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E5.01
DETAIL - ELECTRICAL HAND HOLE
N.T.S.

GENERAL HAND HOLE NOTES:

- NOTES ARE APPLICABLE TO ALL HAND HOLES AND CONDUIT BEING INSTALLED.
- HAND HOLE COVER STAMPED "POWER."
- HAND HOLE COVERS/BOXES SHALL BE HEAVY DUTY E/W (2) BOLTS TIER 22 RATED WHERE INSTALLED IN AREAS OF HIGH TRAFFIC.
- HAND HOLE COVERS/BOXES SHALL BE LIGHT DUTY E/W (2) BOLTS TIER 15 RATED WHERE INSTALLED IN AREAS OF LOW TRAFFIC AND OFF-ROADWAY APPLICATIONS.
- HAND HOLES SHALL BE OPEN BOTTOM, RATED TIER 15 OR TIER 22, STACKABLE.
- NO SIDE ENTRY OF CONDUITS ALLOWED.
- HAND HOLE SUBMITTALS MUST BE APPROVED BY ENGINEER AND OWNER.
- CONDUITS TO EXTEND 3" TO 4" MAXIMUM OUT OF GRAVEL BED.
- IF PVC INSTALLATION IS REQUIRED, 90-DEGREE 36" RADIUS ELBOWS ARE REQUIRED TO TURN UP INTO HAND HOLE.
- THERE SHALL BE A MINIMUM OF 6" OF GRAVEL BETWEEN HAND HOLE BOTTOM EDGE AND THE CONDUITS EXTENDING OUT 3" FROM ALL SIDES.
- INSTALL BUSHING ENDS ON PVC CONDUIT ENDS.
- CLOSE ATTENTION SHOULD BE GIVEN TO TRENCH DEPTH IN USING LONG MECHANICAL RADIUS BENDS TO ASSURE THAT NO PORTION OF THE RADIUS BEND HAS TO BE CUT ABOVE THE GRAVEL BED THAT WOULD PREVENT THE BUSHING END ATTACHMENTS.
- THE TRENCH SHALL BE AT THE REQUIRE DEPTH TO MAINTAIN 6" OR MORE BELOW THE EDGE OF THE HAND HOLE FROM THE CONDUIT.
- SCHEDULE 80 PVC 90-DEGREE 36" RADIUS ELBOWS SHALL BE USED. ANY OTHER BENDS SHALL NOT BE USED.
- DE-BURR AND MAKE SMOOTH THE CONDUIT ENDS ENTERING THE HAND HOLES.
- COMPRESSION TYPE PLUGS SHALL BE USED ON ALL CONDUIT ENDS.
- TERMINATIONS MADE WITH-IN ALL HAND HOLES SHALL BE IP68 RATED AND A UL TERMINATION METHOD USED. ALL METHODS SHALL BE APPROVED BY ENGINEER.
- ALL CONDUITS SHALL BE SUPPLIED WITH MULE TAPE OR PULL STRING, IN ACCORDANCE TO THE TYPE OF CONDUIT INSTALLED. *HDPE CONDUIT SHOULD HAVE MULE TAPE SUPPLIED WHEN ORDERED. ALL OTHER CONDUITS SHALL HAVE PULL STRING INSTALLED.
- HAND HOLE SIZE DEPENDS ON QUANTITY AND SIZE OF CONDUITS. REFER TO DRAWING ES1.02 FOR SIZE OF PULL BOX.

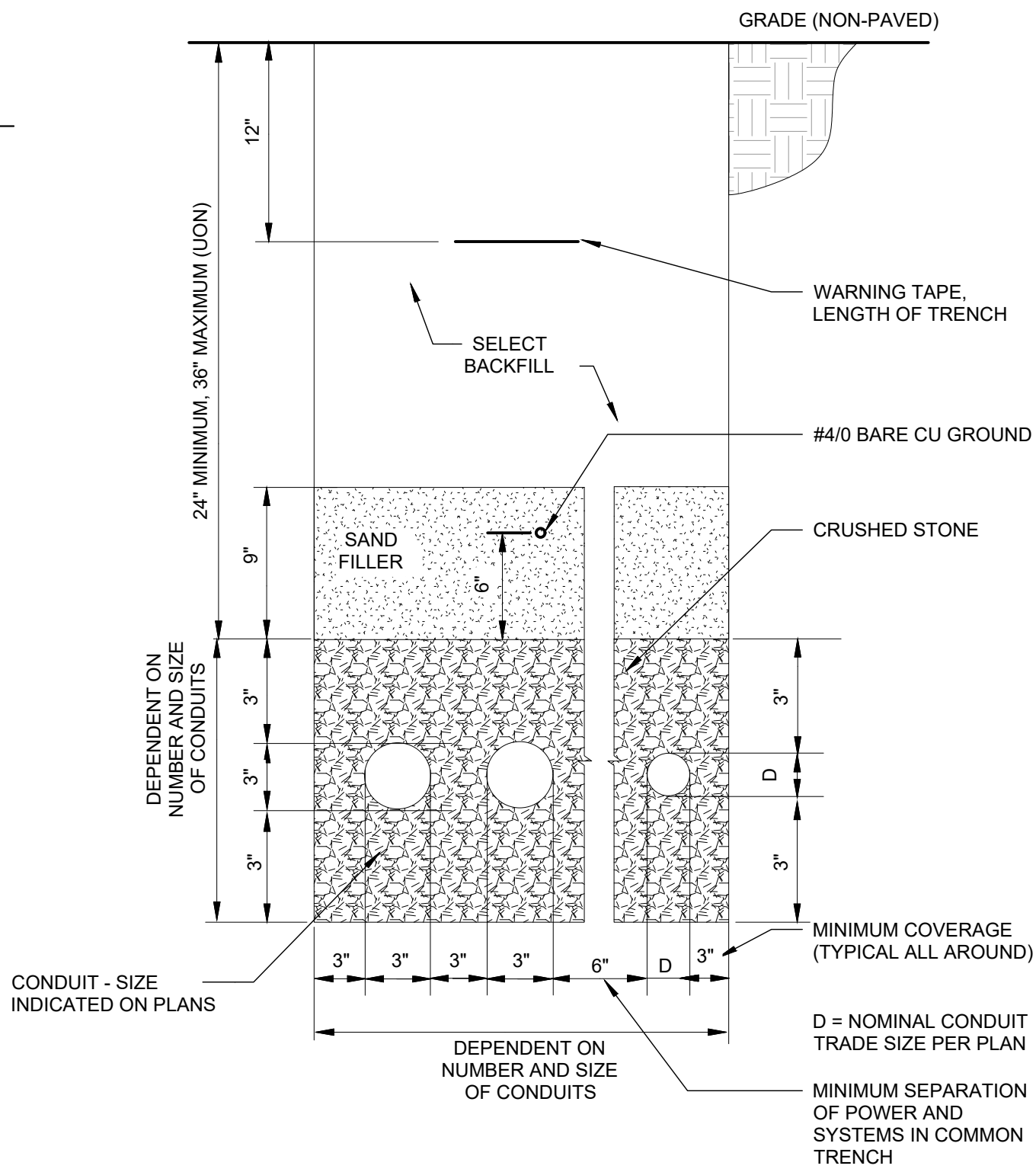
PANEL: RP

PANEL: RP					SERVICE: 208Y/120 VOLT, 3 PHASE, 4 WIRE LOCATION: ELECTRICAL RACK											
CKT NO.	DIRECTORY	ACC.	POLE	CKT. BKR.	LOAD (KVA)	A	B	C	LOAD (KVA)	POLE	CKT. BKR.	ACC	DIRECTORY	CKT. NO.		
1	COMPACTOR REMOTE POWER UNIT		3	60	2.5	2.5				1	20		SPARE	2		
3					2.5		2.5			1	21		SPARE	4		
5					2.5			2.5		1	22		SPARE	6		
7	SPARE		1	20						1	23		SPARE	8		
9	SPARE		1	21						1	24		SPARE	10		
11	SPARE		1	22						1	25		SPARE	12		
13	SPARE		1	23						1	26		SPARE	14		
15	SPARE		1	24						1	27		SPARE	16		
17	SPARE		1	25			0.0			1	28		SPARE	18		
<div>BUS DATA</div> <div><div>AMPERE RATING - CONT: 100A</div><div>SCCR: 10KA</div><div>BUS: COPPER/NEUTRAL/GROUND</div><div>BOTTOM FEED</div></div> <div><div><input type="checkbox"/> MAIN LUGS ONLY</div><div><input checked="" type="checkbox"/> MAIN BREAKER</div><div>100A MAIN BREAKER</div></div>					A			C								
					2.5			2.5			7.5				TOTAL KVA	
											20.8				TOTAL AMPS	
											9.4				TOTAL KVA DEMAND	
					ENCLOSURE					PANEL A NOTES:						
					<div><div><input checked="" type="checkbox"/> SURFACE</div><div><input type="checkbox"/> FLUSH</div><div><input type="checkbox"/> NEMA 1</div><div><input checked="" type="checkbox"/> NEMA 3R</div><div><input type="checkbox"/> NEMA 12</div><div><input type="checkbox"/></div></div>											
					MANUFACTURER:											
					TYPE:											



2
E5.01
DETAIL - GROUND ROD

N.T.S.



4
E5.01
DETAIL - TYPICAL DUCT BANK
N.T.S.

ELECTRICAL DETAILS
CITY OF TUCKER
1ST AVE COMPACTOR FACILITY
TUCKER, DEKALB COUNTY, GEORGIA

REVISION INFORMATION			
REV.	DR.	DATE	DESCRIPTION
0	JWB	02/21/2025	ISSUED FOR CONSTRUCTION



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THE FOLLOWING CODES AND STANDARDS HAVE BEEN USED AS THE BASIS FOR DESIGN AND/OR SHALL BE UTILIZED BY THE CONTRACTOR TO ESTABLISH MINIMUM LEVELS OF QUALITY AND CONSTRUCTION TECHNIQUES.

1. GENERAL
 - A. INTERNATIONAL BUILDING CODE (IBC 2018), WITH GEORGIA AMMENDMENTS
 - B. AMERICAN SOCIETY OF CIVIL ENGINEERS, "MINIMUM DESIGN LOADS AND SPECIFICATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES," (ASCE 7-16).
2. CONCRETE
 - A. AMERICAN CONCRETE INSTITUTE, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (ACI 318-14).
 - B. AMERICAN CONCRETE INSTITUTE, "SPECIFICATIONS FOR STRUCTURAL CONCRETE," (ACI 301-16).
 - C. AMERICAN CONCRETE INSTITUTE, "GUIDE TO CONCRETE FLOOR AND SLAB CONSTRUCTION" (ACI 302.1R-15).
3. MASONRY
 - A. THE MASONRY SOCIETY, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES." (TMS 402-16).
 - B. THE MASONRY SOCIETY, "SPECIFICATION FOR MASONRY STRUCTURES." (TMS 602-16).

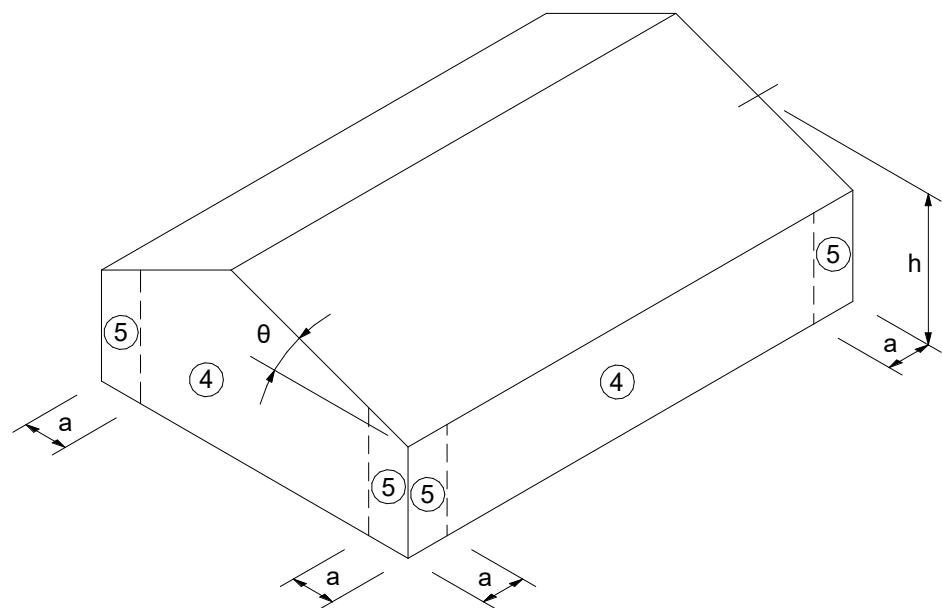
THE STRUCTURE HAS BEEN DESIGNED FOR THE FOLLOWING LOADS

- | | | |
|----|---|---------------------------|
| 1. | DEAD LOADS: ACTUAL WEIGHTS OF BUILDING MATERIALS, STRUCTURAL COMPONENTS, AND EQUIPMENT. | |
| 2. | LIVE LOADS | |
| A. | FLOOR LIVE LOADS | |
| 1. | SLAB-ON-GRADE UNIFORM LOAD | 125 PSF |
| 3. | WIND LOADS | |
| A. | ENCLOSURE | |
| 1. | ULTIMATE DESIGN WIND SPEED (V_{ult}) | 107 MPH |
| 2. | ALLOWABLE STRESS DESIGN WIND SPEED (V_{asd}) | 82.9 MPH |
| 3. | RISK CATEGORY | |
| 4. | EXPOSURE CATEGORY | C |
| 5. | INTERNAL PRESSURE COEFF. (G_{cp}) | N/A |
| 6. | C & C WIND PRESSURES | SEE SCHEDULE (THIS SHEET) |
| 4. | SEISMIC LOADS | |
| A. | ENCLOSURE | |
| 1. | RISK CATEGORY | II |
| 2. | SEISMIC IMPORTANCE FACTOR (I_b) | 1.0 |
| 3. | 0.2 SEC MAPPED SPECTRAL ACCELERATION (S_s) | 0.187 |
| 4. | 1.0 SEC MAPPED SPECTRAL ACCELERATION (S_1) | 0.086 |
| 5. | SITE CLASS | D - Default |
| 6. | 0.2 SEC DESIGN SPECTRAL ACCELERATION (S_{DS}) | 0.20 |
| 7. | 1.0 SEC DESIGN SPECTRAL ACCELERATION (S_{D1}) | 0.137 |
| 8. | SEISMIC DESIGN CATEGORY | C |
| 9. | BASIC SEISMIC FORCE RESISTING SYSTEM | N/A |

IBC 2018 ASCE 7-16 COMPONENTS AND CLADDING LOADS (PSF)		
EFFECTIVE WIND AREA (SF)	WALL ZONE	
	4	5
10 SF	-32.6	-38.3
20 SF	-31.6	-36.3
50 SF	-30.2	-33.6
100 SF	-29.2	-31.6
200 SF	-28.2	-29.5
500 SF	-26.9	-26.9

NOTES:

1. WALL CORNER ZONE WIDTH: $a = 3$ ft
2. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE SURFACES, RESPECTIVELY.
3. PRESSURES SHOWN IN TABLE ARE V_{ULT} , STRENGTH LEVEL (LRFD).



1. MINIMUM 28 DAY CONCRETE COMPRESSIVE STRENGTH SHALL BE AS FOLLOWS:

A. CONTINUOUS FOOTINGS	3,000 PSI
B. FLOOR SLABS	4,000 PSI
2. CONCRETE SHALL BE PROPORTIONED, BATCHED, MIXED, PLACED, CONSOLIDATED, AND CURED IN ACCORDANCE WITH ACI 301, 304, 308, 309 AND 318.
3. ALL CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED.
4. WHERE STRIP/GRADE FOOTINGS OR WALLS INTERSECT COLUMN FOUNDATIONS, LONGITUDINAL REINFORCEMENT SHALL BE CONTINUOUS THROUGH THE COLUMN FOUNDATION.
5. UNLESS OTHERWISE SHOWN, THE CONCRETE CLEAR COVER AT ALL REINFORCING STEEL SHALL BE:

A. CONCRETE CAST AGAINST EARTH	3"
B. CONCRETE EXPOSED TO EARTH OR WEATHER	2"
C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER	3/4"
6. ALL CONCRETE SHALL BE MECHANICALLY VIBRATED IN ACCORDANCE WITH ACI 304 AND ACI 309.
7. PROVIDE 3/4"x3/4"x45 DEGREE CHAMFERED CORNERS AT ALL EXPOSED CONCRETE CORNERS UNO.
8. ALL EXTERIOR CONCRETE SHALL BE AIR ENTRAINED PER ACI 318.

1. THE GEOTECHNICAL ENGINEER SHALL REVIEW THE AGGREGATE BASE AND VERIFY A MINIMUM MODULUS OF SUBGRADE REACTION OF 100 PCI HAS BEEN ACHIEVED.
2. EROSION / STRIPPED AREAS SHALL BE PROOF-ROLLED WITH APPROPRIATE EQUIPMENT AS APPROVED BY THE GEOTECHNICAL ENGINEER. SOFT AREAS SHALL BE REMOVED AND REPLACED WITH APPROVED BACKFILL AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
3. SAWED CONTROL JOINTS SHALL BE CUT AS SOON AS SLAB CAN BE WALKED ON, BUT STARTED NO LATER THAN 8 HOURS AFTER POURING. CONTROL JOINTS SHALL BE COMPLETED NO LATER THAN 16 HOURS AFTER POURING. THESE TIME LIMITS SHALL BE ADJUSTED ACCORDING TO THE TIME OF DAY. AN EARLY ENTRY DRY CUT SAW SUCH AS THE SOFT-CUT SYSTEM SHALL BE USED.
4. ADEQUATE MEASURE TO PREVENT PLASTIC SHRINKAGE OF SLAB SHALL BE TAKEN BY THE CONTRACTOR AS OUTLINED IN ACI 302.1R.

1. SHALLOW FOUNDATION DESIGN IS BASED ON THE ASSUMED DESIGN SOIL BEARING PRESSURE PER APPLICABLE CODES.
2. THE FOUNDATIONS WERE DESIGNED BASED ON THE FOLLOWING NET ALLOWABLE SOIL BEARING PRESSURES:
 - A. CONTINUOUS FOUNDATIONS 2,000 PSF
3. ALLOWABLE BEARING PRESSURES ARE BASED ON BEARING AGAINST FIRM, UNDISTURBED SOIL AND OR ENGINEERED BACKFILL, WHERE UNACCEPTABLE MATERIAL OCCURS, EXCAVATE AND REPLACE WITH ENGINEERED FILL AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
4. ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER PRIOR TO STEEL OR CONCRETE PLACEMENT TO ENSURE THAT THE BEARING SURFACES ARE CONSISTENT WITH THE ALLOWABLE BEARING PRESSURES NOTED.
5. CONTRACTOR SHALL KEEP ALL FREE STANDING WATER OUT OF EXCAVATION. CONTRACTOR SHALL PROVIDE DEWATERING MEASURES AS NECESSARY PRIOR TO PILING CONCRETE.
6. IF EXISTING SOIL IS DEEMED NON-USABLE BY THE GEOTECHNICAL ENGINEER DUE TO FAILURE OF THE CONTRACTOR TO PROMPTLY DE-WATER THE SITE SHALL BE REMOVED AND REPLACED WITH SUITABLE FILL AT THE CONTRACTOR'S EXPENSE.
7. DESIGN OF TEMPORARY AND PERMANENT SHORING FOR EXCAVATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. FOR ALL GRADE WALLS HAVING FILL ON EACH SIDE, PROCEED WITH BACKFILLING OPERATIONS SIMULTANEOUSLY IN UNIFORM LIFTS. DIFFERENTIAL ELEVATION OF TOP OF LIFTS BETWEEN EACH SIDE SHALL NOT EXCEED 18 INCHES.

TABLE 1704.7
REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.	-	X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	-	X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.	-	X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	-
5. PRIOR TO PLACEMENT OF COMPACTED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.	-	X

TABLE 1705.3
REQUIRED VERIFICATION AND INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD*	IBC REFERENCE
1. INSPECTION OF REINFORCING STEEL, INCLUDING PLACEMENT.	-	X	ACI 318: 3.5, 7.1-7.7	1910.4
2. INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH TABLE 1705.2.2, ITEM 2B.	-	-	AWS D14 ACI 318: 3.5.2	-
3. VERIFYING USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: Ch. 4, 5.2-5.4	1904.2, 1910.2, 1913.3
4. AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X	-	ASTM C 172 ASTM C 31 ACI 318: 5.6, 5.8	1910.10
5. INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 5.9, 5.10	1910.6, 1910.7, 1910.8
6. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 5.11-5.13	1910.9

1. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 (DEFORMED).
2. DETAILING, FABRICATION, AND ERECTION OF REINFORCING STEEL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO ACI MNL-66, THE CRSI, "MANUAL OF STANDARD PRACTICE," AND ACI 318.
3. REINFORCING STEEL SHALL BE CONTINUOUS ACROSS ALL CONSTRUCTION JOINTS UNO.
4. REINFORCING STEEL SHALL NOT BE HEATED OR WELDED AND MUST BE DRY AND FREE OF CONTAMINANTS SUCH AS RUST, DIRT, GREASE, AND PROTECTIVE COATINGS.
5. ALL BAR SPLICES SHALL BE CLASS B TENSION SPLICES IN ACCORDANCE WITH ACI 318.

1. CONCRETE MASONRY UNITS (CMU) SHALL CONFORM TO ASTM C90 NORMAL WEIGHT HOLLOW LOAD BEARING BLOCK UNITS. FIRE-RATED CMU SHALL BE PROVIDED WHERE NOTED ON THE ARCHITECTURAL DRAWINGS.
2. MORTAR SHALL CONFORM TO ASTM C270, TYPE S.
3. HORIZONTAL JOINT REINFORCING SHALL BE #11 (9 GAGE), GALVANIZED, LADDER TYPE SPACED AT 16" OC, PROVIDE MIN 8" LAP AT ALL SPLICE LOCATIONS.
4. COMPRESSIVE STRENGTH OF CONCRETE MASONRY AS DEFINED IN THE TMS 602. SPECIFICATION SHALL BE $f_m = 2,000$ PSI MINIMUM AT 28 DAYS.
5. ALL CORES CONTAINING REINFORCING SHALL BE FULLY GROUTED. GROUT SHALL CONFORM TO ASTM C476 WITH A 3000 PSI MINIMUM COMPRESSIVE STRENGTH. GROUT SHALL HAVE A SLUMP OF 8" TO 10".
6. PROVIDE TWO CONTINUOUS REINFORCING BARS AT EACH END OF ALL DOOR AND WINDOW OPENINGS. PROVIDE TWO GROUTED CORES ON EACH SIDE OF ALL CORNERS AND AT EACH END CORE. REINFORCE EACH CORE WITH ONE-BAR OF SIZE MATCHING WALL REINFORCING, UNO.
7. PROVIDE AN 8" BOND BEAM AT THE TOP OF ALL CMU WALLS AND REINFORCE WITH TWO #5 CONTINUOUS REINFORCING BARS, UNO.

1. GENERAL NOTES AND TYPICAL DETAILS DESCRIBE GENERAL CRITERIA APPLICABLE TO ALL SIMILAR CONDITIONS THROUGHOUT THE PROJECT REGARDLESS OF WHETHER OR NOT THEY ARE SPECIFICALLY REFERENCED IN THE PLANS OR DETAILS.
2. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION FROM THE STRUCTURAL ENGINEER BEFORE CONTINUING WITH CONSTRUCTION.
3. CONTRACTOR SHALL COORDINATE THE STRUCTURAL DOCUMENTS WITH THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION AND CIVIL DOCUMENTS. ARCHITECT/STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY.
4. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR COMPLIANCE WITH ALL APPLICABLE CODES AND ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS TO BE OBTAINED AT THE JOBSITE, FOR FABRICATION PROCESSES, AND FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES OF CONSTRUCTION.
5. NO SUBSTITUTIONS OF MATERIAL WILL BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
6. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, MILL CERTIFICATES, AND PRODUCT DATA FOR ALL MATERIALS AND PRODUCTS SHOWN IN THE CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO, CONCRETE MIX DESIGNS, STEEL REINFORCEMENT, STRUCTURAL STEEL, CAST-IN-PLACE AND POST-INSTALLED ANCHORS. THE SHOP DRAWINGS SHALL INCLUDE BOTH FABRICATION AND ERECTION DRAWINGS AND SHALL CONTAIN PLANS, ELEVATIONS, AND DETAILS. REPRODUCTION OF THE CONSTRUCTION DRAWINGS IS NOT AN ACCEPTABLE SHOP DRAWING SUBMITTAL.
7. SHOP DRAWINGS SHALL NOT BE REVIEWED FOR APPROVAL UNLESS CHECKED BY THE FABRICATOR AND APPROVED BY THE CONTRACTOR. REVIEW OF THE SHOP DRAWINGS BY THE ENGINEER DOES NOT ELIMINATE THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH ALL REQUIREMENTS SET FORTH IN THE CONSTRUCTION DOCUMENTS.
8. CONTRACTOR SHALL COMPLY WITH LOCAL, STATE, FEDERAL AND OWNERS SAFETY REGULATIONS WHILE WORKING. STRUCTURAL ENGINEER DOES NOT ASSUME ANY RESPONSIBILITY FOR CONSTRUCTION SITE SAFETY.
9. CONTRACTOR SHALL REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
10. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS, AND ELEVATIONS BEFORE STARTING WORK. NOTIFY STRUCTURAL ENGINEER OF ANY DISCREPANCY. NOTIFY STRUCTURAL ENGINEER IN WRITING OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS.

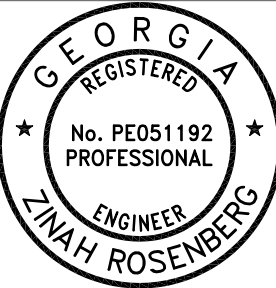
AB	ANCHOR BOLT	FD	FLOOR DRAIN	PREFAB	PREFABRICATED
ADDL	ADDITIONAL	FDN	FOUNDATION	PSF	POUNDS PER SQUARE FOOT
AFF	ABOVE FINISH FLOOR	FIN FLR	FINISHED FLOOR	PSI	POUNDS PER SQUARE INCH
ALT	ALTERNATE	FTG	FOOTING	PSL	PARALLEL STRAND LUMBER
APPROX	APPROXIMATE, APPROXIMATELY	GA	GAUGE	PT	PRESERVATIVE TREATED
ARCH	ARCHITECT, ARCHITECTURAL	GALV	GALVANIZE, GALVANIZED	RD	ROOF DRAIN
		HDD	HEAD	REF	REFER, REFERENCE
BLDG	BUILDING	HORIZ	HORIZONTAL	REINF	REINFORCING
BM	BEAM	INT	INTERIOR	REQD	REQUIRED
BO	BOTTOM OF	JT	JOINT	RET	RETAINING
BOD	BASIS OF DESIGN	K	KIPS	SCHED	SCHEDULE
BOT	BOTTOM	KSF	KIPS PER SQUARE FOOT	SECT	SECTION
BP	BASEPLATE	KSI	KIPS PER SQUARE INCH	SIM	SIMILAR
BRG	BEARING	L	ANGLE	SLV	SHORT LEG VERTICAL
CC	CENTER TO CENTER	LG	LONG	SOG	SLAB-ON-GRADE
CJ	CONTROL JOINT, CONSTRUCTION JOINT	LL	LIVE LOAD	SPEC	SPECIFICATIONS
CL	CENTER LINE	LLV	LONG LEG VERTICAL	STIFF	STIFFENER
CLR	CLEAR	LONG	LONGITUDINAL	SQ	SQUARE
CMU	CONCRETE MASONRY UNIT	LVL	LAMINATED VENEER LUMBER	SS	STAINLESS STEEL
COL	COLUMN	LW	LIGHT-WEIGHT	STD	STANDARD
CONC	CONCRETE	MANUF	MANUFACTURER	STL	STEEL
CONT	CONTINUOUS	MAS	MASONRY	SYM	SYMMETRICAL
CP	COMPLETE PENETRATION	MATL	MATERIAL	T&B	TOP AND BOTTOM
DIA	DIAMETER	MAX	MAXIMUM	T&G	TONGUE AND GROOVE
DIAG	DIAGONAL	MIN	MINIMUM	T/	TOP OF
DL	DEAD LOAD	MTL	METAL	THDD	THREADED
DO	DITTO	NIC	NOT IN CONTRACT	TO	TOP OF
DWG	DRAWING	NTS	NOT TO SCALE	TRANS	TRANSVERSE
E	EDGE OF SLAB	NW	NORMAL-WEIGHT	TYP	TYPICAL
EA	EACH	OC	ON CENTER	UNO	UNLESS NOTED OTHERWISE
EF	EACH FACE	OPNG	OPENING	VIF	VERIFY IN FIELD
EL	ELEVATION	OPP	OPPOSITE	VERT	VERTICAL
EOR	ENGINEER OF RECORD	PAF	POWDER ACTUATED FASTENER	W/	WITH
EW	EACH WAY	PC	PRECAST CONCRETE	W/O	WITHOUT
EXIST	EXISTING	PEJF	PRE-MOLDED EXPANSION JOINT FILLER	WP	WORKING POINT
EXP	EXPANSION	PEMB	PRE-ENGINEERED METAL BUILDING	WWR	WELDED WIRE REINFORCING
EXT	EXTERIOR	PL	PLATE		

MINIMUM LAP SPLICE LENGTH SCHEDULE FOR CONCRETE MASONRY UNITS (CMU)							
CMU TYPE	BAR SIZE						
	#3	#4	#5	#6	#7	#8	#9
8" CMU	19"	25"	31"	57"	79"	112"	146"
12" CMU	19"	25"	31"	52"	61"	75"	90"

MINIMUM LAP SPLICE LENGTH SCHEDULE FOR CONCRETE ($f_c = 3000$ PSI)							
USE	BAR SIZE						
	#3	#4	#5	#6	#7	#8	
FOOTING	17"	22"	28"	33"	48"	55"	
WALL	22"	29"	36"	43"	63"	72"	

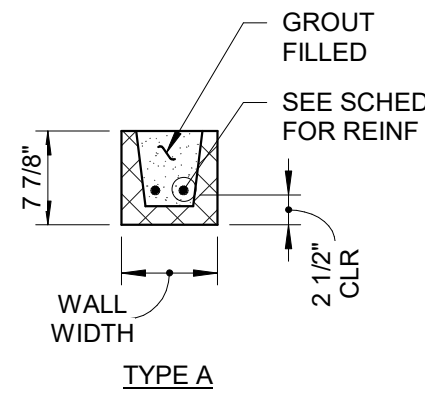
TABLE 1704.5.1
LEVEL 1 REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION

VERIFICATION AND INSPECTION	FREQUENCY OF INSPECTION		REFERENCE FOR CRITERIA		
	CONTINUOUS	PERIODIC	IBC SECTION	TMS 402/ACI 530/ASCE 5 ^a	TMS 602/ACI 530.1/ASCE 6 ^a
1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	-	X	-	-	ART. 1.5
2. VERIFICATION OF F _M AND F _{AAc} PRIOR TO CONSTRUCTION EXCEPT WHERE SPECIFICALLY EXEMPTED BY THIS CODE.	-	X	-	-	ART. 1.4B
3. VERIFICATION OF SLUMP FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT.	X	-	-	-	ART. 1.5B.1.B.3
4. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
A. PROPORTIONS OF SITE-PREPARED MORTAR.	-	X	-	-	ART. 2.6A
B. CONSTRUCTION OF MORTAR JOINTS.	-	X	-	-	ART. 3.3B
C. LOCATION OF REINFORCEMENT AND CONNECTORS.	-	X	-	-	ART. 3.4, 3.6A
D. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES.	-	X	-	-	ART. 2.4B, 2.4H
5. DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:					
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	-	X	-	-	ART. 3.3F
B. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.	-	X	-	SEC. 1.2.2(E), 1.16.1	-
C. SPECIFIED SIZE, GRADE AND TYPE OF REINFORCEMENT.	-	X	-	SEC. 1.15	ART. 2.4, 3.4
D. WELDING OF REINFORCING BARS.	X	-	-	SEC. 2.1.9.7.2, 3.3.3.4(B)	-
E. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).	-	X	SEC. 2104.3, 2104.4	-	ART. 1.8C, 1.8D
6. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:					
A. GROUT SPACE IS CLEAN	-	X	-	-	ART. 3.2D
B. PLACEMENT OF REINFORCEMENT AND CONNECTORS, AND PRESTRESSING TENDONS AND ANCHORAGES.	-	X	-	SEC. 1.13	ART. 3.4
C. PROPORTIONS OF SITE-PREPARED GROUT.	-	X	-	-	ART. 2.6B
D. CONSTRUCTION OF MORTAR JOINTS.	-	X	-	-	ART. 3.3B
7. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE:	X	-	-	-	ART. 3.5
8. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS SHALL BE OBSERVED.	-	X	SEC. 2105.2.2, 2105.3	-	ART. 1.4
a. THE SPECIFIC STANDARDS REFERENCED ARE THOSE LISTED IN CHAPTER 35.					



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LINTEL SCHEDULE					
WIDTH OF OPENING	CMU SIZE	TYPE	TOP REINFORCING	BOTTOM REINFORCING	STIRRUPS
≤4'-0"	8"	A	—	(2) #5	



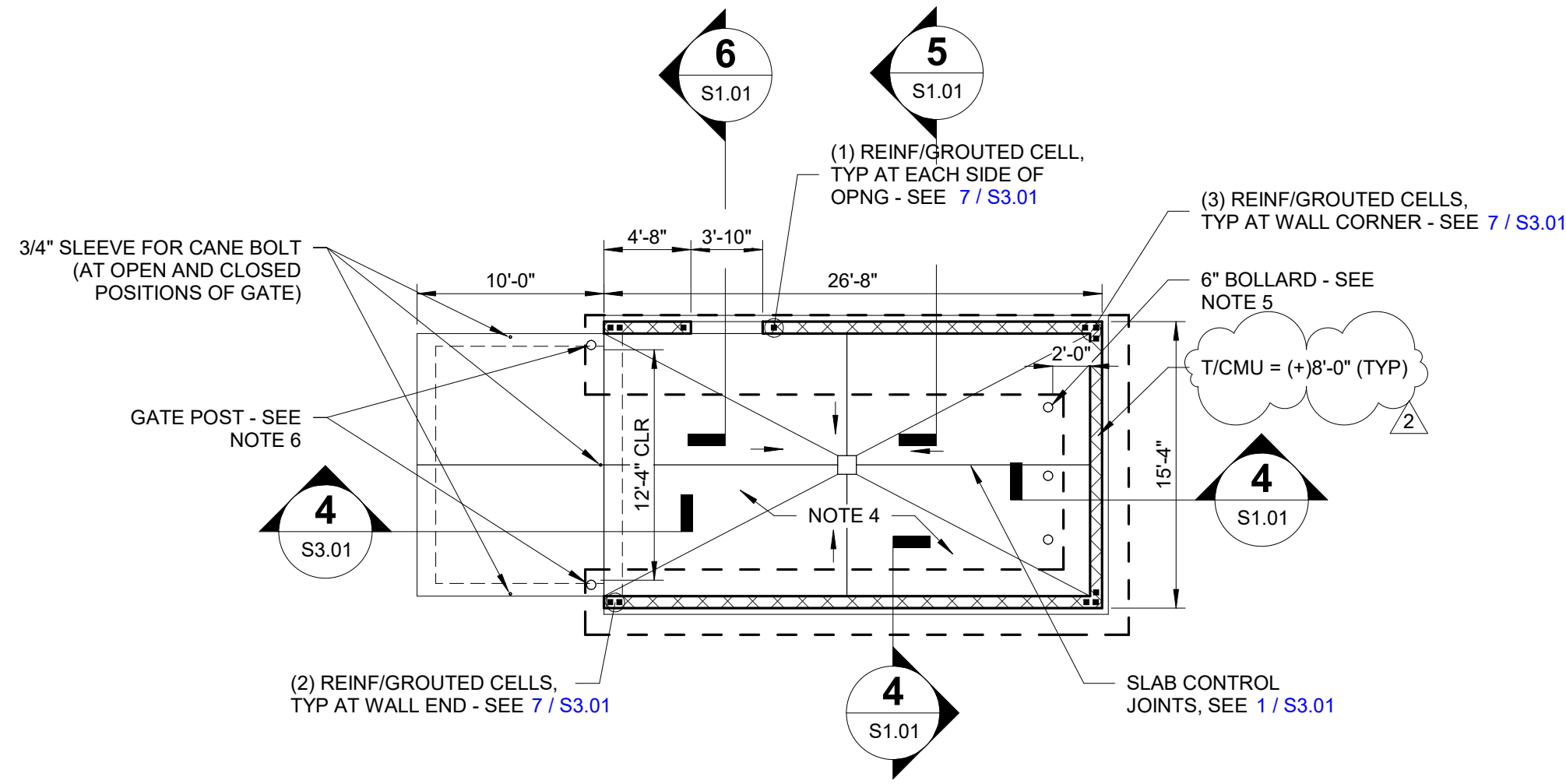
1 CMU LINTEL SCHEDULE
S1.01 SCALE: 3/4" = 1'-0"

LOOSE BRICK LINTEL SCHEDULE		
OPENING WIDTH	ANGLE SIZE	REMARKS
0'-0" TO 4'-0"	L3 1/2x3 1/2x1/4	

2 LOOSE BRICK LINTEL SCHEDULE
S1.01 SCALE: 3/8" = 1'-0"

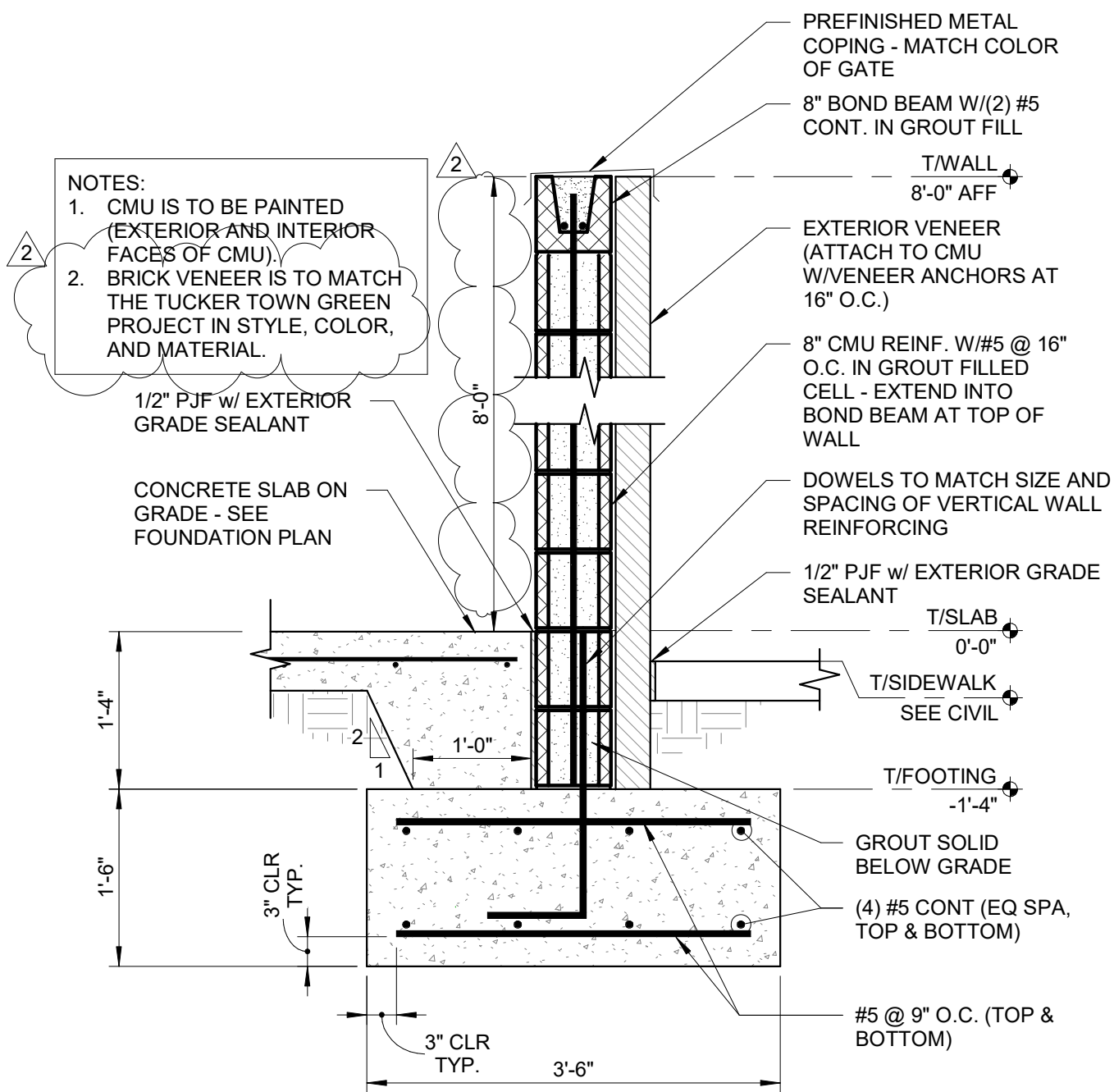
LINTEL NOTES:

- ALL BOND BEAM LINTELS SHALL BE CAST IN PLACE.
- CMU LINTELS TO HAVE 8" MINIMUM BEARING EACH END. LOOSE BRICK STEEL LINTELS SHALL HAVE 6" MINIMUM BEARING EACH END.
- VERTICAL WALL REINFORCEMENT SHALL BE CONTINUOUS THROUGH LINTEL.
- CONTROL JOINT SHALL NOT BE LOCATED WITHIN BEARING.
- WHEN THE DISTANCE BETWEEN TWO ADJACENT OPENINGS IS LESS THAN THE WIDTH OF EITHER OPENING, THE LINTEL INDICATED SHALL BE CONTINUOUS OVER BOTH OPENINGS.
- SEE ARCHITECTURAL FOR HEIGHT AND WIDTH OF MASONRY OPENINGS.

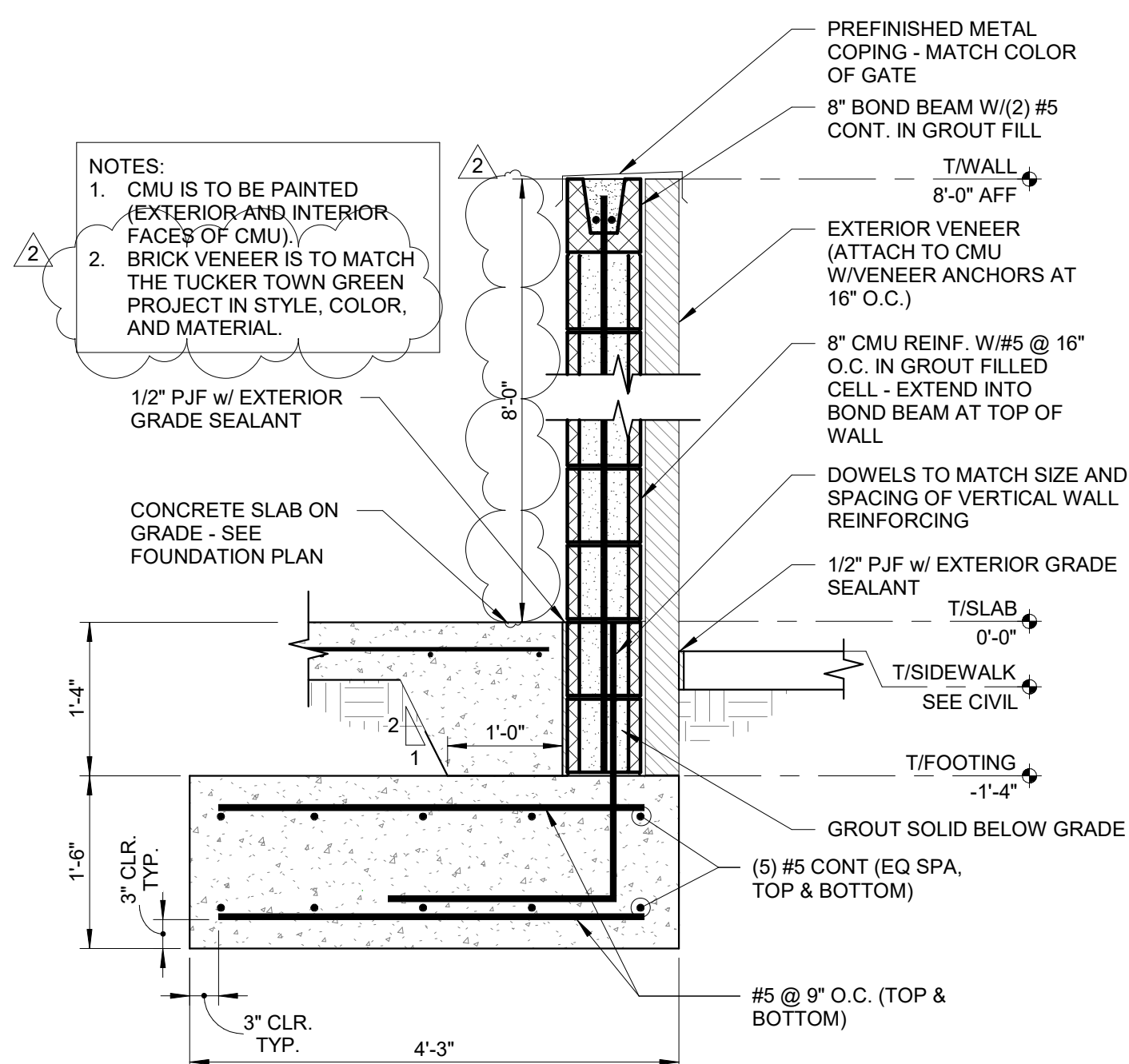


3 COMPACTOR FOUNDATION PLAN
S1.01 SCALE: 1/8" = 1'-0"

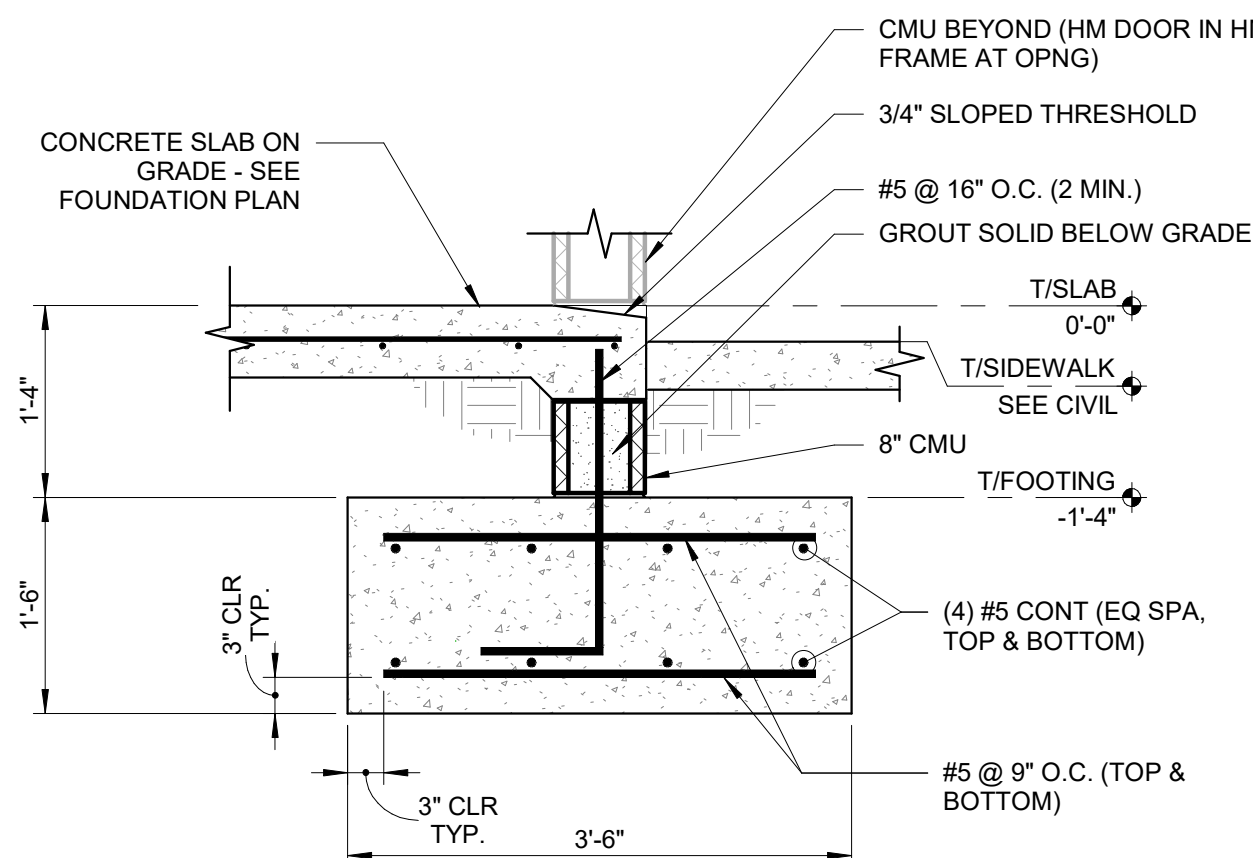
- NOTES:
- SEE CIVIL FOR ORIENTATION AND LOCATION OF COMPACTOR.
 - GENERAL CONTRACTOR TO VERIFY WALL DIMENSIONS WITH CIVIL PRIOR TO FABRICATION.
 - TOP OF FOOTING ELEVATION = -1'-4" (BELOW TOP OF SLAB), U.N.O.
 - 6" NORMAL WEIGHT CONCRETE ($f_c = 4000$ PSI) REINFORCED WITH #5 @ 12" O.C. E.W. AT SLAB MID-DEPTH OVER 4" GRANULAR BASE ON COMPACTED SUBGRADE. PROVIDE LIGHT BROOM FINISH.
 - SEE CIVIL FOR QUANTITY AND LOCATION OF 6" BOLLARDS. SEE 9 / S3.01 FOR DETAIL.
 - GATE POSTS TO BE SLEEVED/EMBEDDED IN CONCRETE, SIMILAR TO DETAIL 9 / S3.01. GATE AND HARDWARE TO BE DESIGNED AND PROVIDED BY MFR - HSS 3X3X1/4 (MIN.) FRAME WITH DIAGONAL HSS3X3X1/4 (MIN.) BRACE. PROVIDE 3/4" SLEEVE IN TURNDOWN SLAB AT CANE BOLT AT MIDDLE OF GATE PER MFR AND AT OPEN POSITION OF GATE.
 - PROVIDE 8" DEEP BOND BEAM LINTEL OVER DOOR OPENING - SEE DETAIL 1 / S1.01.
 - PROVIDE LOOSE STEEL BRICK LINTEL OVER DOOR OPENING - SEE DETAIL 2 / S1.01.
 - GATE:
 - GATE DESIGN TO BE APPROVED BY THE CITY PRIOR TO FABRICATION OR INSTALLATION. TOP OF GATE TO BE 4" BELOW TOP OF WALL. BOTTOM OF GATE TO BE 4" ABOVE TOP OF SLAB.
 - GATE TO BE DESIGNED AND INSTALLED IN ACCORDANCE WITH CITY APPROVED VENDOR REQUIREMENTS.
 - GATE OPENING IS TO BE 12'-0" WIDE (MIN.) IN OPEN POSITION.
 - PROVIDE 3/4" DIAMETER CANE BOLTS AND SLEEVES IN CONCRETE AT BOTH CLOSED AND OPEN POSITIONS - SEE NOTE 6 ABOVE.
 - GATE TO BE PAINTED PER CITY REQUIREMENTS.
 - SEE NOTE 6 ABOVE FOR ADDITIONAL REQUIREMENTS.



4 TYP CMU SCREENWALL FOOTING
S1.01 SCALE: 3/4" = 1'-0"



5 CMU SCREENWALL FOOTING (OFFSET)
S1.01 SCALE: 3/4" = 1'-0"



6 TYP CMU SCREENWALL AT OPNG
S1.01 SCALE: 3/4" = 1'-0"

BARGE
DESIGN SOLUTIONS

6825 The Corner Parkway / Suite 450 / Peachtree Corners, Georgia 30092
Phone: 678.515.9411



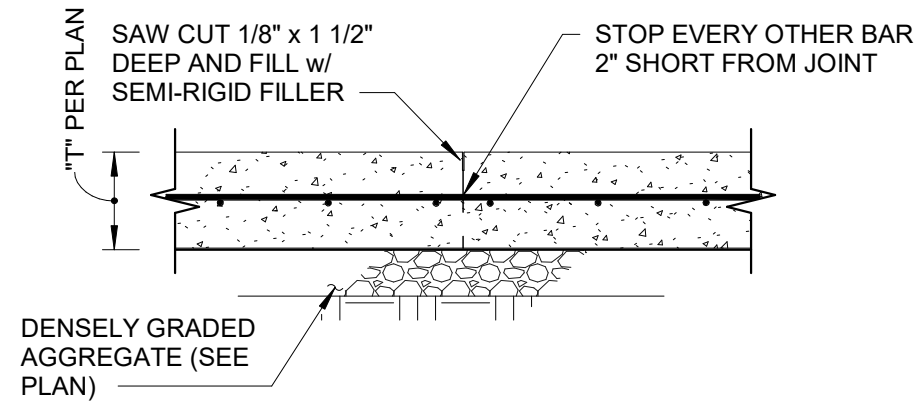
FOUNDATION PLAN AND SECTIONS

CITY OF TUCKER
1ST AVE COMPACTOR FACILITY
TUCKER, DEKALB COUNTY, GEORGIA

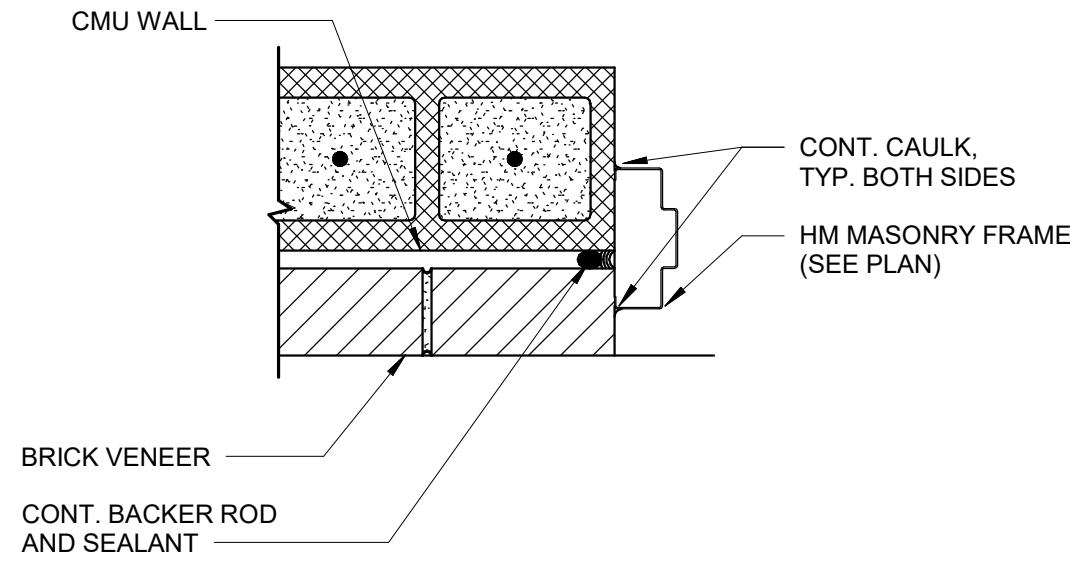
REVISION INFORMATION		DATE	DESCRIPTION
REV	CHK	DATE	DESCRIPTION
0	KP	04-03-2024	DRAFT
1	KP	02-21-2025	FOR CONSTRUCTION
2	KP	11-14-2025	CITY COMMENTS

S1.01

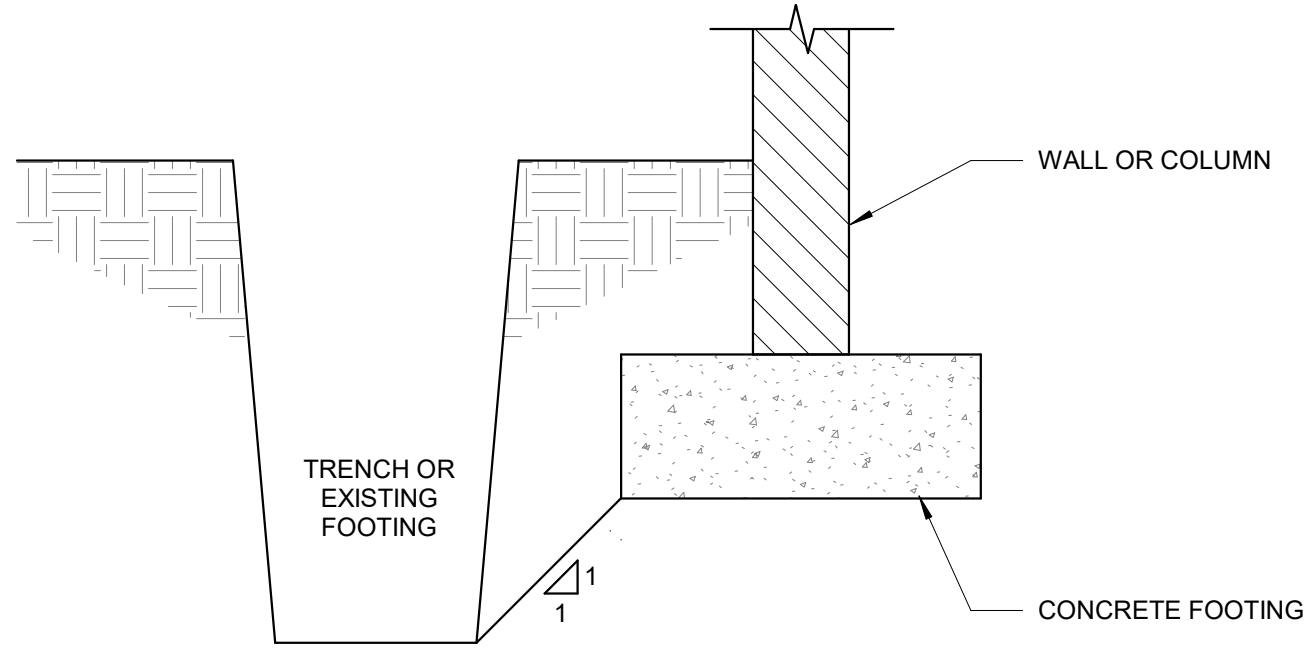
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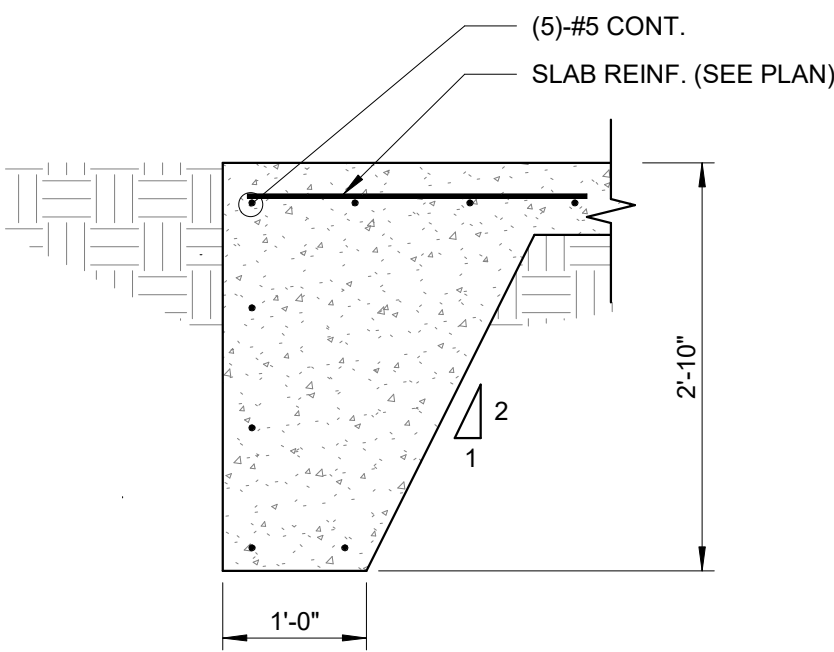
1 SLAB CONTROL JT
S3.01 SCALE: 3/4" = 1'-0"



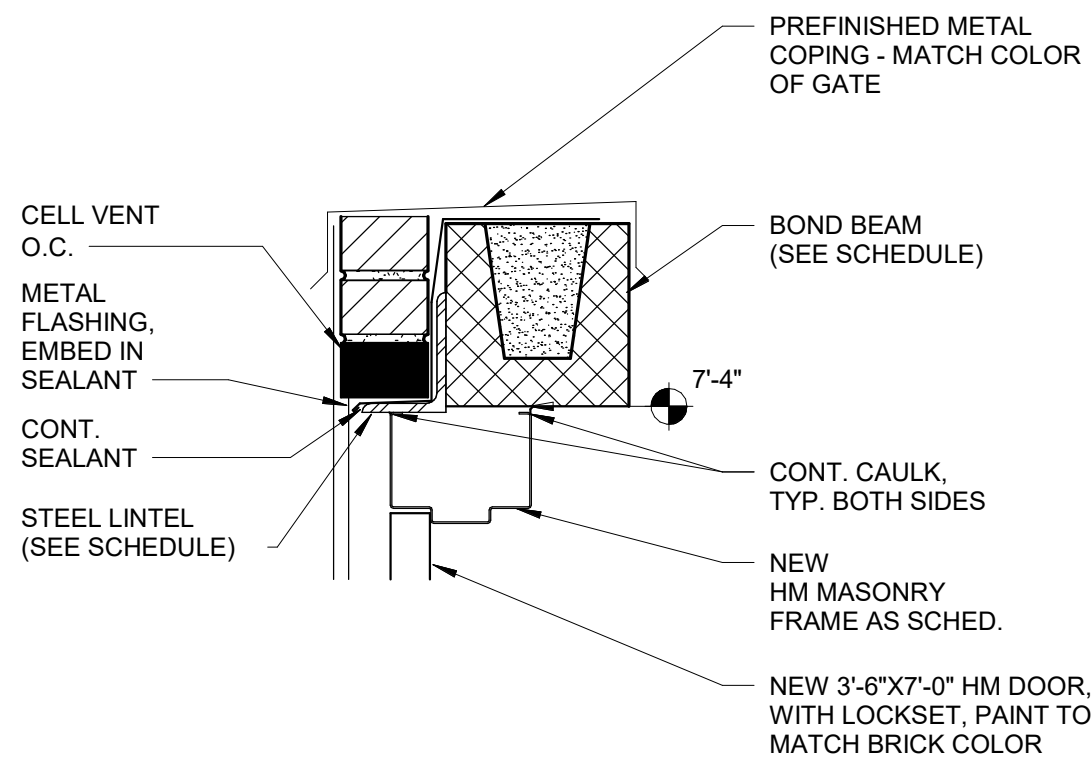
2 CMU JAMB DETAIL
S3.01 SCALE: 1 1/2" = 1'-0"



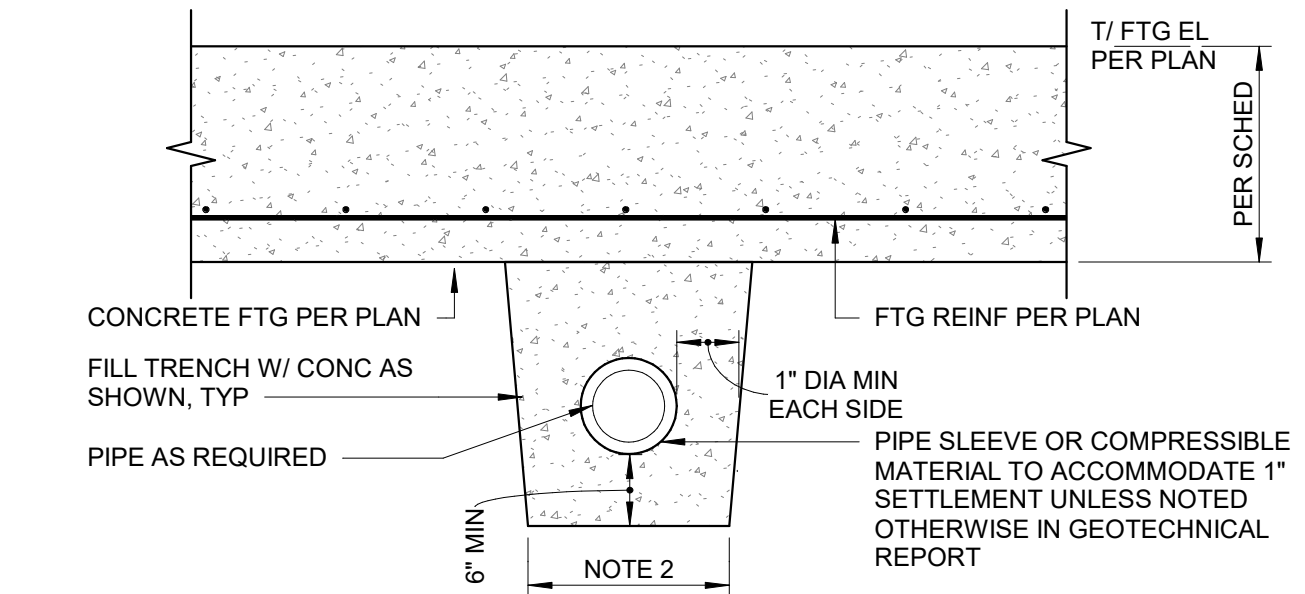
3 FOOTING ADJACENT TO TRENCH OR EXIST FOOTING
S3.01 SCALE: 3/4" = 1'-0"



4 FOOTING ADJACENT TO TRENCH OR EXIST FOOTING
S3.01 SCALE: 3/4" = 1'-0"

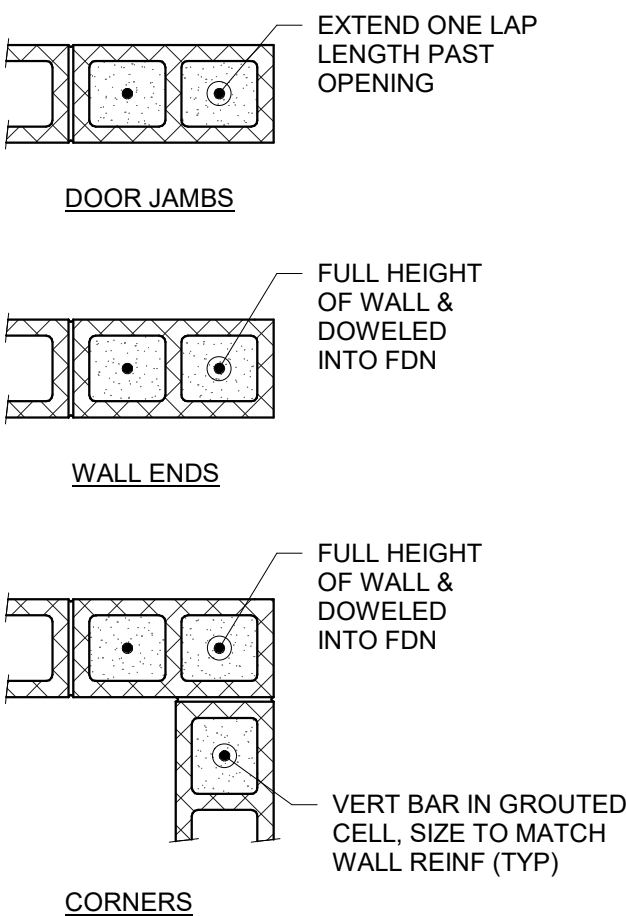


5 CMU HEAD DETAIL
S3.01 SCALE: 1 1/2" = 1'-0"

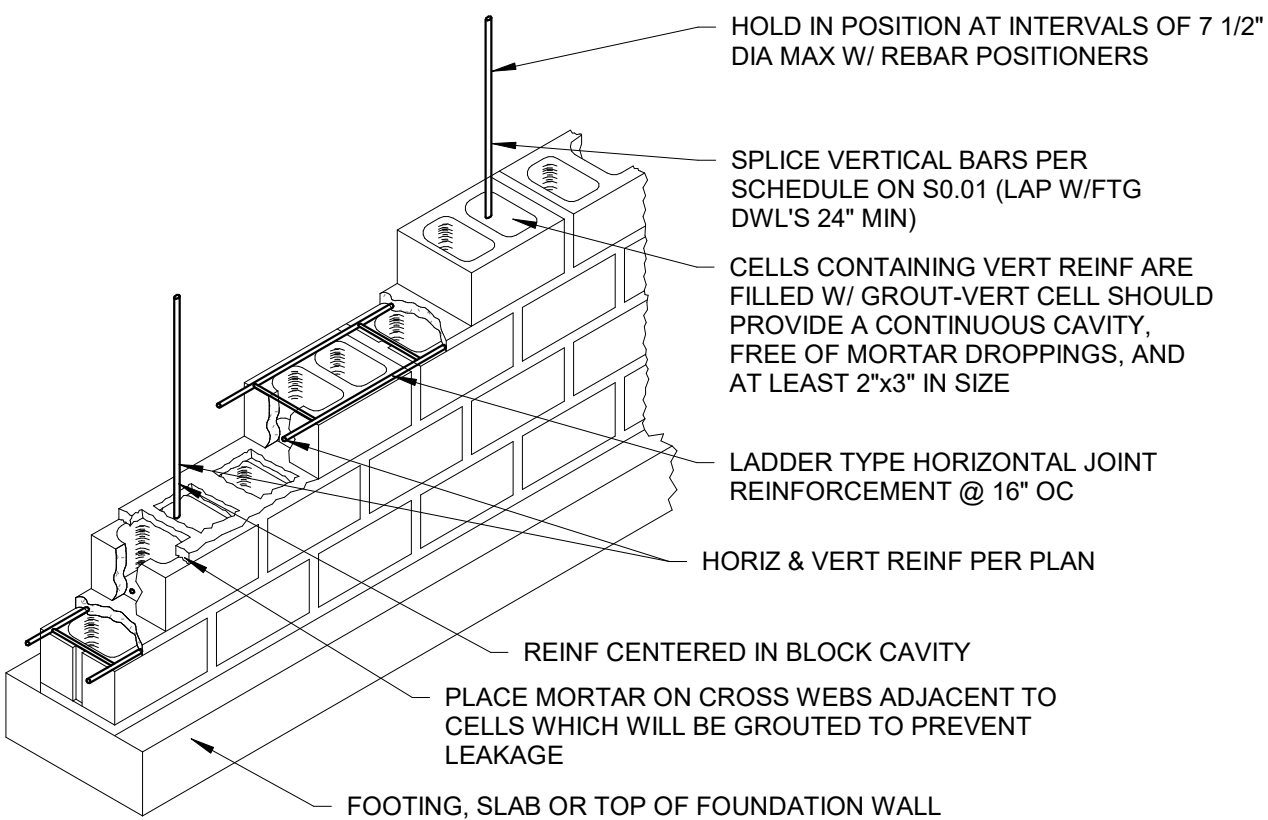


- NOTES:**
1. IF PIPE IS GREATER THAN 4'-0" BELOW BOTTOM OF FOOTING, NO CONCRETE TRENCH SHALL BE REQUIRED.
 2. TRENCH WIDTH TO EQUAL FOOTING WIDTH ABOVE.
 3. FTG & TRENCH MAY BE POURED MONOLITHICALLY @ CONTRACTORS OPTION.
 4. FOR PIPES RUNNING PARALLEL TO STRIP FOOTINGS, FOOTING DEPTH AND PIPE LOCATION SHALL BE COORDINATED SO THAT THE PIPE IS NOT WITHIN THE FTG LOAD DISTRIBUTION THAT EXTENDS AT 45 DEGREE ANGLE OUT FROM THE BOTTOM EDGE OF THE FOOTING.
 5. PIPES MAY BE PLACED BETWEEN THE FOOTING AND THE SLAB ON GRADE THROUGH THE STEM WALL AS LONG AS A PROPER PIPE SLEEVE IS PROVIDED TO ACCOUNT FOR 1" MIN VERTICAL MOVEMENT.

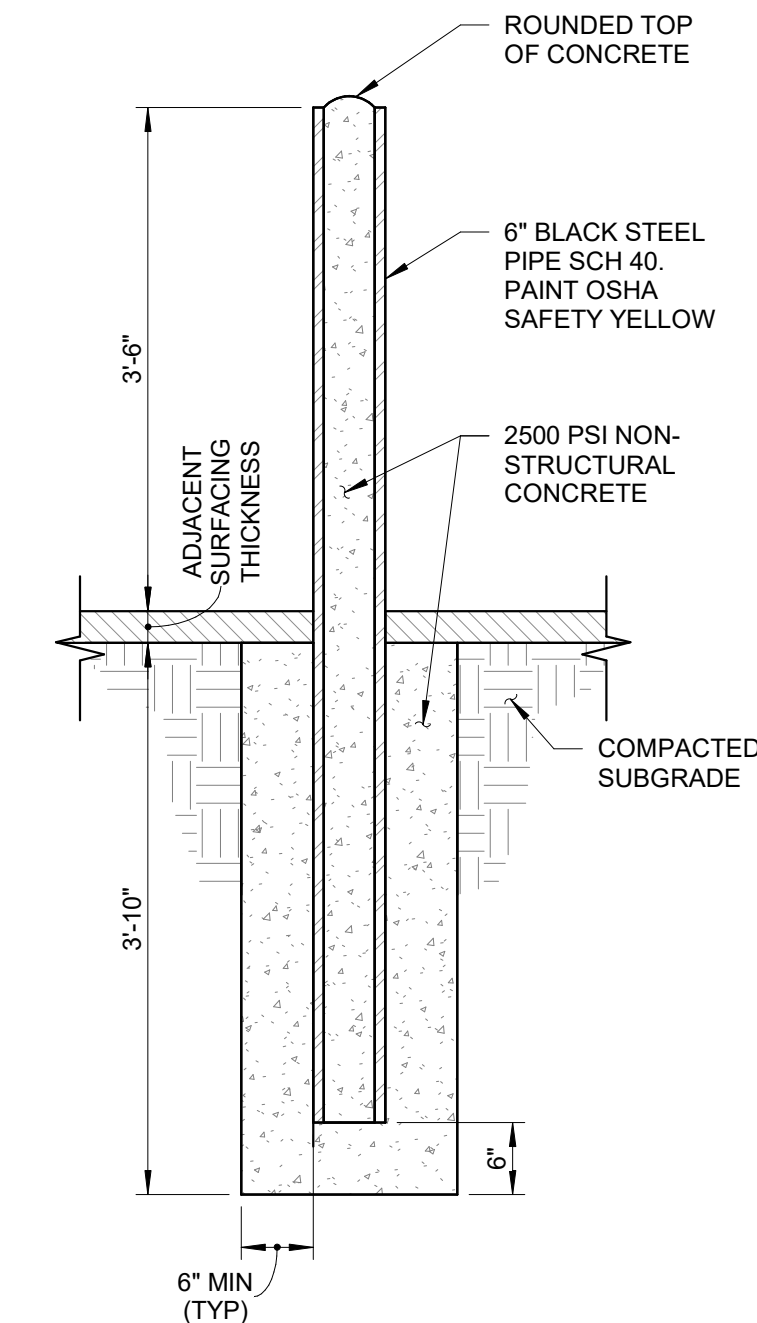
6 PIPE UNDER FOOTING
S3.01 SCALE: 3/4" = 1'-0"



7 ADDITIONAL VERT WALL REINFORCING
S3.01 SCALE: 3/4" = 1'-0"



8 MASONRY VERTICAL REINFORCING
S3.01 SCALE: 1/2" = 1'-0"



9 PIPE BOLLARD (6")
S3.01 SCALE: 3/4" = 1'-0"

REVISION INFORMATION		DESCRIPTION	
REV	CHK	DATE	DESCRIPTION
0	KP	04-03-2024	DRAFT
1	KP	02-21-2025	FOR CONSTRUCTION