

CAUTION
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SITE DEVELOPMENT PLANS FOR THRIVE GRANT ROAD

3644 GRANT ROAD, CLAYTON COUNTY, GA.

NOTES:

- ALL WORK SHALL COMPLY WITH CLAYTON COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- CONTRACTOR SHALL OBTAIN ALL PERMITS BEFORE CONSTRUCTION BEGINS.
- PROPERTY IS ZONED HEAVY INDUSTRIAL (HI).
- PROPOSED BUILDING IS A 3500 SF TRUCK REPAIR SHOP (40' X 70') AND 600 SF OFFICE (20' X 30').
- TOTAL SITE AREA- 4.45 Acres, DISTURBED AREA- 5.05 Acres
- PROPOSED USE FOR FACILITY: BUSINESS / OFFICE.
- CONTRACTOR WILL BE RESPONSIBLE TO CALL UTILITY PROTECTION CENTER PRIOR TO ANY EXCAVATION: 811.
- CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION AND EXISTENCE OF ALL UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION.
- FILL MATERIAL IS TO BE PLACED IN 6" LIFTS AND COMPACTED TO 95% MAXIMUM STANDARD PROCTOR DENSITY.
- WATER & SEWER SERVICE PROVIDED BY CLAYTON COUNTY WATER AUTHORITY.
- MAXIMUM CUT/FILL 2.0H:1V.
- AREAS TO RECEIVE FILL SHALL BE CLEARED OF TOPSOIL, TREES, VEGETATION, AND ANY ORGANIC MATERIAL PRIOR TO FILLING.
- "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES."
- "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."
- TEMPORARY VEGETATION WILL BEGIN TWO WEEKS FROM THE INITIAL DISTURBANCE.
- ANY AREAS ON SITE LEFT INACTIVE FOR MORE THAN TWO WEEKS MUST BE STABILIZED WITH GRASS.
- BOUNDARY & TOPOGRAPHY BY SOUTHSIDE SURVEYING & PLANNING, P.C. DATE 01/12/2022.
- SETBACKS: FRONT & REAR - 45', SIDE - 50'
- THERE ARE NO BUFFERED STATE WATERS LOCATED ON OR WITHIN 200' OF THE SITE.
- THERE ARE NO WETLANDS LOCATED ON OR WITHIN 200' OF THIS SITE.
- NO BURIAL PITS WILL BE ALLOWED ON THIS SITE.
- TAX MAP NO. 12-245A A001.
- TOTAL BUILDING AREA (0.078 AC.) = 3,400 SF = 1.7% OF SITE.
TOTAL PAVED AREA: ASPHALT (0.51 AC.), GRAVEL (0.67 AC.), TOTAL (1.17 AC.) = 51,138 SF = 26% OF SITE.
TOTAL LANDSCAPE AREA (3.31 AC.) = 140,416 SF = 72% OF SITE.
- TOTAL NO. OF PARKING SPACE REQUIRED: 10 SPACES (2 FOR 600 SF OFFICE, 3 FOR 2,800 AUTOMOBILE REPAIR).
PLUS 1 ADDITIONAL SPACE FOR EACH EMPLOYEE (5).
TOTAL NO. OF PARKING SPACES DESIGNED: 11 SPACES DESIGNED: 10-9'x18' SPACES.
PLUS 1-11'x18' HANDICAPPED SPACE W/ 5' AISLE.
- ALL RADII ARE MEASURED TO THE FACE OF CURB.
- PLANS ARE REVIEWED IN GENERAL. SPECIFIC DETAILS AND CALCULATIONS MAY NOT BE CHECKED. THE ENGINEER'S STAMP AND SIGNATURE GUARANTEES THE ACCURACY OF THE CALCULATIONS AND DESIGN. PLAN APPROVAL DOES NOT OBLIGATE THE COUNTY TO ACCEPT THE WORK, NOR DOES IT RELIEVE THE DEVELOPER AND/OR ENGINEER FROM COMPLIANCE WITH ANY OTHER Y, STATE OR FEDERAL ORDINANCES AND LAWS. PLAN APPROVAL DOES NOT RELIEVE THE DEVELOPER FROM THE RESPONSIBILITY FROM DAMAGES TO ADJACENT OR DOWNSTREAM PROPERTY RESULTING FROM THIS DEVELOPMENT.
- THE WATER QUALITY POND THAT SERVES THE PROPOSED SITE WILL BE LOCATED IN THE NORTHEAST CORNER OF THE LOT.
- "WETLANDS SHOWN ON THIS PLAN, IF ANY, ARE UNDER THE JURISDICTION OF THE U.S. ARMY CORPS OF ENGINEERS. LOT OWNERS MAY BE SUBJECT TO PENALTY BY LAW FOR DISTURBANCE TO THESE WETLAND AREAS WITHOUT PROPER AUTHORIZATION."
- THE OWNER/DEVELOPER ACKNOWLEDGES THAT SHOULD THE FINAL GRADING OF ANY POND RESULT IN A DEPTH GREATER THAN FOUR FEET, THE POND SHALL BE ENCLOSED WITHIN A SECURITY FENCE (MIN. OF FIVE FEET OR AS REQUIRED BY LOCAL CODE) WITH A DOUBLE GATE FOR MAINTENANCE.
- "THE OWNER/DEVELOPER AND ENGINEER HAVE REVIEWED THE APPROPRIATE LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING DEVELOPMENT ACTIVITIES ADJACENT TO FLOODPLAINS, STATE WATERS, AND WETLANDS AND HAVE DETERMINED THAT THIS DEVELOPMENT PLAN SATISFIES THE STANDARDS PRESENTED IN ALL APPLICABLE REGULATIONS."
- WHEN THE SITE IS STABILIZED AND AT THE DIRECTION OF THE COUNTY ENGINEER, THE DEVELOPER IS TO REMOVE THE SEDIMENT BASINS/ SEDIMENT CONTROLS AND STABILIZE THE DISTURBED AREAS.
- ANY REVISIONS TO THE PLANS AFTER THE INITIAL SUBMITTAL, OTHER THAN THE RESPONSE TO THE PLAN REVIEW COMMENTS, WILL BE INDICATED AS REVISIONS AND SUBMITTED WITH A WRITTEN EXPLANATION OF THE REVISIONS AND THE REASONS THEREFORE.
- ANY VARIATIONS FROM THE PERMITTED PLANS, CHANGES IN DESIGN RESULTING FROM FIELD CONDITIONS, OR SUBSTITUTION OF CONSTRUCTION MATERIALS ARE TO BE REVIEWED AND APPROVED BY THE RESPONSIBLE DESIGN ENGINEER AND CLAYTON COUNTY LAND DEVELOPMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL PERMITS HAVE BEEN OBTAINED PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR ALL TIE-INS TO THE BUILDINGS INCLUDING BUT NOT LIMITED TO DOWNSPOUTS, UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND CONSTRUCTING ALL UTILITY RELOCATIONS AS NECESSARY.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO WORK ALL APPLICABLE DRAWINGS AND APPROPRIATE SPECIFICATIONS AS A UNIT, ANY OMISSIONS, DELETIONS, OR CONFLICTS WITH ARISING AS A RESULT OF FAILURE TO INCORPORATE ALL DRAWINGS AND SPECIFICATIONS WHICH APPLY SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER AND/OR ENGINEER.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXISTING AND PROPOSED STRUCTURES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE CONSTRUCTION TO BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL APPLICABLE CODES, FIRE MARSHAL, AND HANDICAP REQUIREMENTS INCLUDING BUT NOT LIMITED TO THE FEDERAL FAIR HOUSING ACT, LOCAL AND STATE ACCESSIBILITY, DEPT. OF COMMUNITY AFFAIRS AND ALL LENDING INSTITUTION REQUIREMENTS, THE AMERICANS WITH DISABILITIES ACT AND ALL AMENDMENTS THERETO.
- THIS PROJECT WILL BE PRIVATELY FUNDED.
- OWNER TO OBTAIN ALL OFF-SITE EASEMENTS PRIOR TO CONSTRUCTION.



Location Map N.T.S.

MUD AND SILT ARE STRICTLY PROHIBITED FROM LEAVING THIS SITE.

THE PERSON ULTIMATELY RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL PRACTICES ON THIS SITE AND WHO IS TO BE CONTACTED IN THE EVENT OF A STOP WORK ORDER, IS:
NAME: _____
PHONE #: _____

OWNER/DEVELOPER:

24 HOUR CONTACT
PRIMARY PERMITTEE
FLASH EXPEDITED SERVICES
JOSE HERNANDEZ
617 Bridgeston Cove
Suwanee, GA. 30024
PH: 404-561-7748
E: jhernandez@thriveglx.com

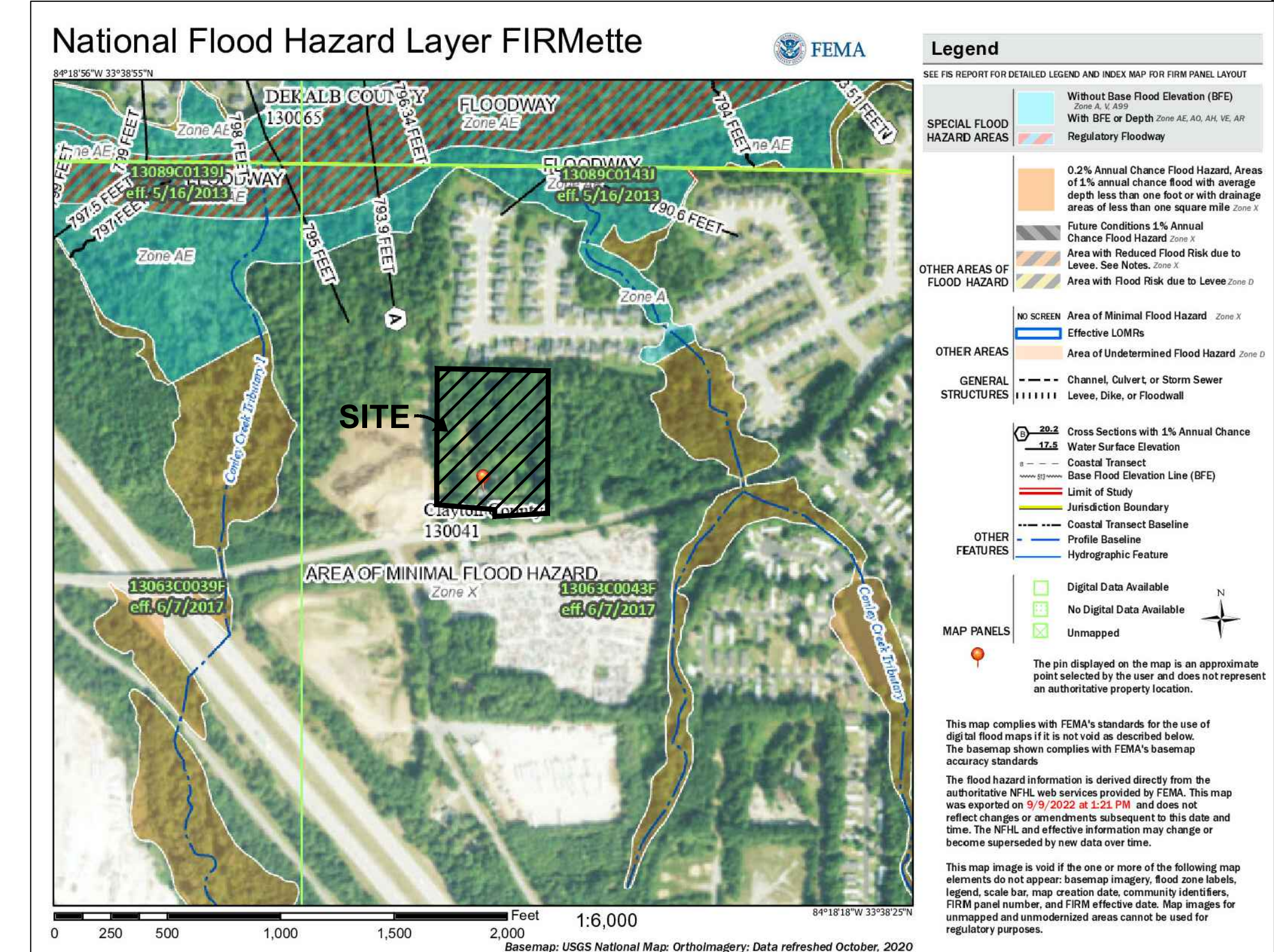
"I certify under penalty of law that this Plan was prepared after a site visit to the locations described herein by myself or my authorized agent, under my direct supervision."
Signature of Plan Preparer: *George P. Harper III* Date: 01/25/23

"I understand that as the Plan Preparer, retained by the primary permittee, I must visit the site to inspect the installation of the initial sediment storage requirements & perimeter control BMP's within seven days after installation, to verify that all BMP's are installed according to the Approved Plan."
Signature of Plan Preparer: *George P. Harper III* Date: 01/25/23

BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS NOT INSIDE OF ANY FLOOD PLAIN (ZONE X).
COMMUNITY PANEL 13063C0043F DATED: JUNE 7TH, 2017

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- C5. UTILITY PLAN.
- C6. INITIAL PERIMETER ES&PC PLAN.
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REV.	DATE:	DESCRIPTION:

PROJECT: THRIVE GRANT RD.
SHEET: COVER SHEET
12TH DISTRICT
CLAYTON COUNTY
DRAWN BY: GPH
SCALE: NTS
DATE: 01-25-23

SHEET
C1

BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS NOT INSIDE OF ANY FLOOD PLAIN (ZONE X).

COMMUNITY PANEL 13063C0043F DATED: JUNE 7TH, 2017

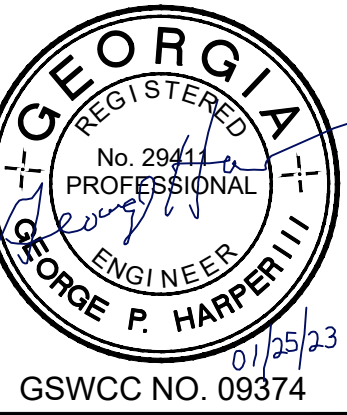


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DEMOLITION NOTES:

- CONTRACTOR SHALL OBTAIN PERMITS FROM CLAYTON COUNTY, UTILITY COMPANIES AND ALL OTHER ENTITIES AS REQUIRED BEFORE COMMENCING ANY WORK ON SITE.
- NO WORK SHALL BE DONE IN RIGHT-OF-WAY WITHOUT OBTAINING PROPER PERMITS AND NOTIFYING THE APPROPRIATE DEPARTMENTS AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
- PRIOR TO DISPOSAL OF WASTE MATERIALS OFF-SITE, ALL PERMITTING AND ANY AUTHORIZATIONS REQUIRED, SHALL BE IN PLACE.
- THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES THE REMOVAL AND RELOCATION OF ANY EXISTING LINES, POLES, LIGHTS, ETC. (SHOWN OR NOT SHOWN ON PLANS).
- NO BURNING OF MATERIAL ON-SITE SHALL BE PERFORMED WITHOUT OBTAINING PROPER PERMITS FROM LOCAL AND/OR STATE AUTHORITIES.
- UTILITIES TO REMAIN ON-SITE SHALL BE SAFEGUARDED FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. (NOT ALL UTILITIES MAY BE SHOWN ON PLANS).
- THE CONTRACTOR SHALL TAKE PRECAUTIONS SO AS NOT TO DISTURB ADJOINING PROPERTIES DURING DEMOLITION AND CONSTRUCTION. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY FOR THE COST OF ANY DAMAGES TO EXISTING STRUCTURES, ASPHALT, BUILDINGS, ETC. ON THE ADJOINING PROPERTIES IF DAMAGED DURING CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE WITH OWNER REGARDING ALL UNDERGROUND UTILITIES WITHIN PROJECT AREA. CONTRACTOR SHALL REMOVE OR RELOCATED AS REQUIRED.

Paramount
 ENGINEERING, LLC
 11 E. BROAD ST.
 NEWNAN, GA. 30263
 PH: (770)-473-9576
 george@paramountengineering.com



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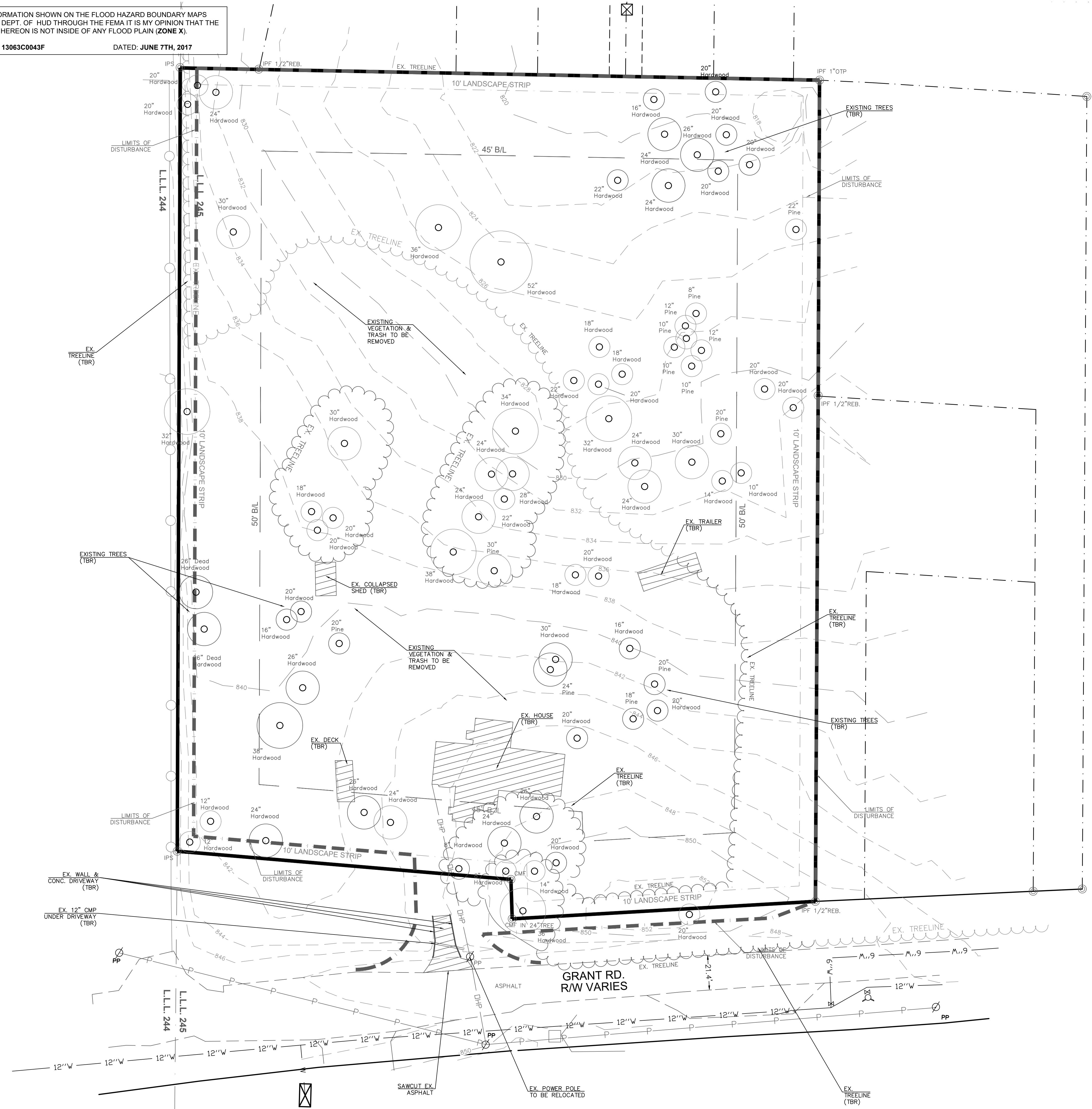
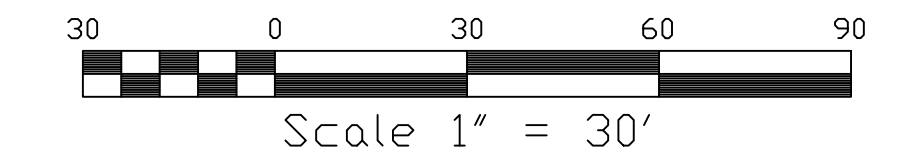
PROJECT: THRIVE GRANT RD.
SHEET: EXISTING CONDITIONS / DEMO PLAN
 12TH DISTRICT CLAYTON COUNTY
DATE: 01-25-23
DRAWN BY: GPH
SCALE: 1" = 30'
DRAWING NO.: 211120- GRANT RD.

OWNER/DEVELOPER:

24 HOUR CONTACT
 PRIMARY PERMITTEE
 FLASH EXPEDITED SERVICES
 JOSE HERNANDEZ
 617 Bridgeston Cove
 Suwanee, GA. 30024
 PH: 404-561-7748
 E: jhernandez@thriveglx.com

LEGEND

P.O.B. POINT OF BEGINNING	EXISTING EX.
P.O.R. POINT OF REFERENCE	PROPOSED PR.
O.T.P. OPEN TOP PIPE	TREE PROTECTION FENCING TPF
I.P.F. IRON PIN FOUND	PR. FIRE HYDRANT
I.P.S. IRON PIN SET	EX. FIRE HYDRANT
PL PROPERTY LINE	EX. WATER VALVE
C.M.F. CONCRETE MONUMENT FOUND	PR. WATER VALVE
L.L.L. LAND LOT LINE	WATER METER
B.O.C. BACK OF CURB	ELECTRIC BOX
E.O.P. EDGE OF PAVEMENT	FLARED END SECTION
T.W. TOP OF WALL	SANITARY SEWER LINE - SS
B.W. BOTTOM OF WALL	WATER LINE - W
D.E. DRAINAGE EASEMENT	SIGN
⊙ SANITARY SEWER MANHOLE - SA	FENCE
⊙ JUNCTION BOX (JB)	LT-DUTY ASPHALT PAVING
⊙ DOUBLE-WING CATCHBASIN (DWCB)	HEAVY-DUTY ASPHALT PAVING
⊙ SINGLE-WING CATCHBASIN (SWCB)	
⊙ DROP INLET (DI)	
⊙ HEADWALL	
⊙ DRAINAGE FLOW	
⊙ LIGHT POLE (LP)	
⊙ POWER POLE (PP)	

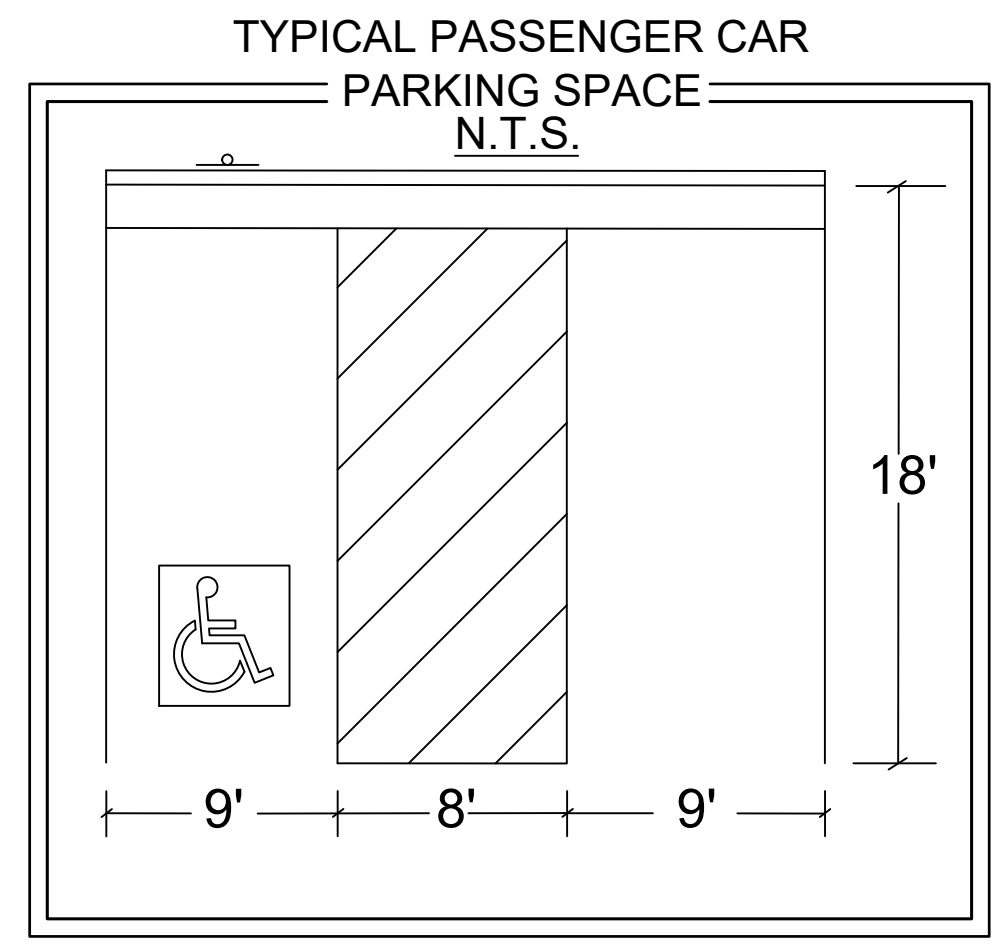




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GENERAL NOTES:

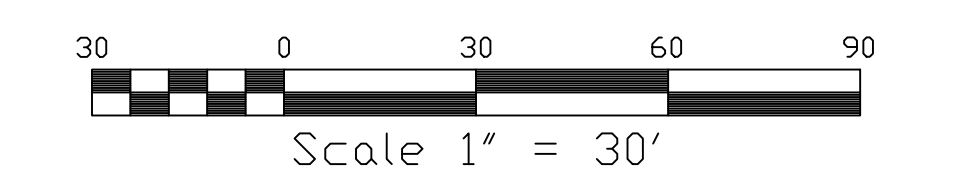
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3. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION SUPERVISION OR INSPECTION OF THE PROPOSED IMPROVEMENTS.
4. FILL MATERIAL SHALL BE FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL AND HAVE A MINIMUM DENSITY OF 100 PCF.
5. FILL MATERIAL SHALL BE PLACED IN 6" LIFTS (LOOSE) AND COMPACTED TO 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY.
6. FILL OPERATIONS SHOULD BE OBSERVED BY A SOILS ENGINEER AND IN-PLACE DENSITY TESTS SHOULD BE PERFORMED BY THE SOILS ENGINEER TO CHECK COMPACTION.
7. AREAS TO RECEIVE FILL SHALL BE CLEARED OF TOPSOIL, TREES, VEGETATION, AND ANY ORGANIC OR DELETERIOUS MATERIAL PRIOR TO FILLING OPERATIONS.
8. SUBGRADE CONDITIONS SHOULD BE INVESTIGATED BY A SOILS ENGINEER PRIOR TO CONSTRUCTION.
9. ROOF DRAINS FROM BUILDING TO DRAIN TO PARKING LOT.
10. THE PROPERTY IS CURRENTLY WOODED.
11. THIS PLAN TO COMPLY WITH ALL ZONING, VARIANCE, & DRI CONDITIONS.
12. ALL PAVEMENT MARKINGS, STRIPING & SIGNAGE TO CONFORM TO THE STANDARDS AND SPECIFICATIONS OF CLAYTON COUNTY AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
13. ALL HANDICAP PARKING SPACES REQUIRE HANDICAP PARKING SIGNS.
14. SIGHT LIGHTING TO BE PREPARED BY OTHERS.



LEGEND

P.O.B. POINT OF BEGINNING	EXISTING	EX.
P.O.R. POINT OF REFERENCE	PROPOSED	PR.
O.T.P. OPEN TOP PIPE	TREE PROTECTION FENCING	TPF
I.P.F. IRON PIN FOUND	PR. FIRE HYDRANT	PH
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PL. PROPERTY LINE	EX. WATER VALVE	WV
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LIGHT POLE (LP)		
POWER POLE (PP)		

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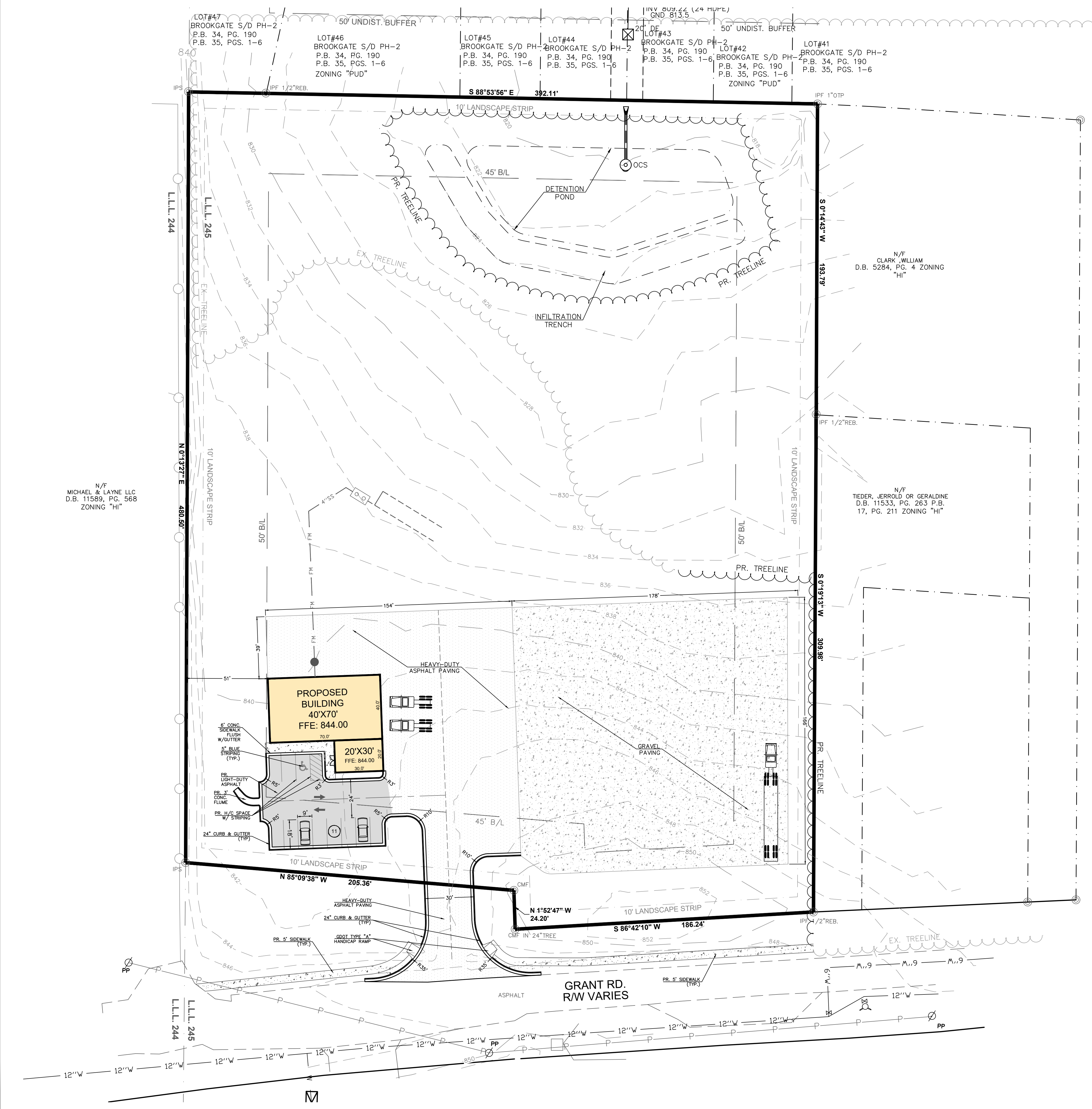
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REV.	DATE	DESCRIPTION

PROJECT: THRIVE GRANT RD.
SHEET: CONCEPTUAL SITE PLAN
 LL.245
 12TH DISTRICT
 CLAYTON COUNTY
DATE: 01-25-23
DRAWN BY: GPH
SCALE: 1" = 30'
DRAWING NO: 211120- GRANT RD.

SHEET
C3

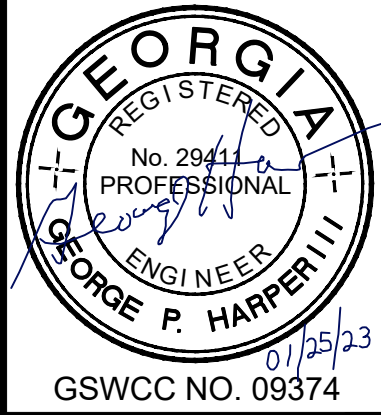


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 COMMUNITY PANEL 13063C0043F DATED: JUNE 7TH, 2017



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4. FILL MATERIAL SHALL BE FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL AND HAVE A MINIMUM DENSITY OF 100 PCF.
5. FILL MATERIAL SHALL BE PLACED IN 6" LIFTS (LOOSE) AND COMPACTED TO 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY.
6. FILL OPERATIONS SHOULD BE OBSERVED BY A SOILS ENGINEER AND IN-PLACE DENSITY TESTS SHOULD BE PERFORMED BY THE SOILS ENGINEER TO CHECK COMPACTION.
7. AREAS TO RECEIVE FILL SHALL BE CLEARED OF TOPSOIL, TREES, VEGETATION, AND ANY ORGANIC OR DELETERIOUS MATERIAL PRIOR TO FILLING OPERATIONS.
8. SUBGRADE CONDITIONS SHOULD BE INVESTIGATED BY A SOILS ENGINEER PRIOR TO CONSTRUCTION.
9. ROOF DRAINS FROM BUILDING TO BE TO SHEET FLOW TO PARKING LOT.
10. THE PROPERTY IS CURRENTLY PARTIALLY DEVELOPED WITH EXISTING BUILDING.
11. THIS PLAN TO COMPLY WITH ALL ZONING, VARIANCE, & DRI CONDITIONS.
12. ALL PAVEMENT MARKINGS, STRIPING & SIGNAGE TO CONFORM TO THE STANDARDS AND SPECIFICATIONS OF CLAYTON COUNTY AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
13. ALL HANDICAP PARKING SPACES REQUIRE HANDICAP PARKING SIGNS.
14. SIGHT LIGHTING TO BE PREPARED BY OTHERS.

CLAYTON COUNTY DRAINAGE NOTES:

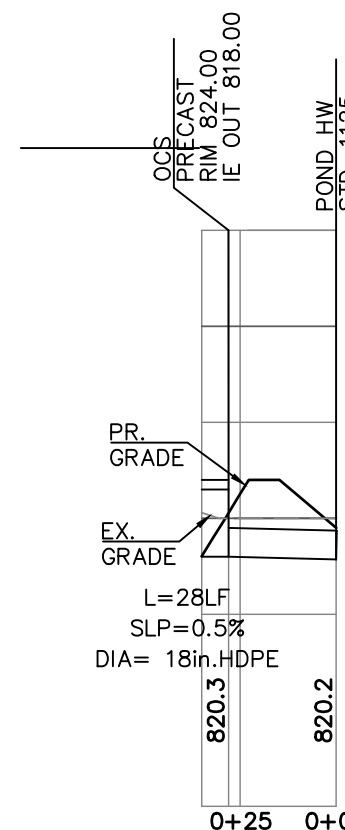
1. CMP STORM DRAINAGE PIPES, WHERE REQUIRED, SHALL BE ASPHALT COATED.
2. MINIMUM COVER ON ALL STORM DRAINAGE PIPE IS PER GA. D.O.T. STD. 1030D, UNLESS OTHERWISE NOTED.
3. ALL STORM DRAINAGE PIPES WILL BE CENTERED WITHIN A 20' DRAINAGE EASEMENT UNLESS IT IS LOCATED WITHIN A ROAD RIGHT-OF-WAY.
4. DRAINAGE SWALES AND DITCHES ARE TO BE WITHIN A 20' DRAINAGE EASEMENT, UNLESS OTHERWISE NOTED.
5. ALL GRADING & DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH GA. D.O.T. CONSTRUCTION STANDARDS.
6. ALL STORM DRAINAGE PIPE SHALL BE IN ACCORDANCE WITH GA. D.O.T. STD. 1030D, UNLESS OTHERWISE NOTED.
7. CATCH BASINS (C.B.) SHALL BE AS PER GA. D.O.T. STD. 1033D ON GRADE & 1034D IN SAG.
8. JUNCTION BOXES (J.B.) SHALL BE AS PER GA. D.O.T. STD. 9031U.
9. DROP INLETS (D.I.) SHALL BE AS PER GA. D.O.T. STD. 1019A.
10. HEADWALLS (H.W.) SHALL BE AS PER GA. D.O.T. STD. 1125.
11. CMP WHERE REQUIRED, SHALL BE INSTALLED IN LENGTHS TO PREVENT JOINTS UNDER THE PAVEMENT.

OWNER/DEVELOPER:

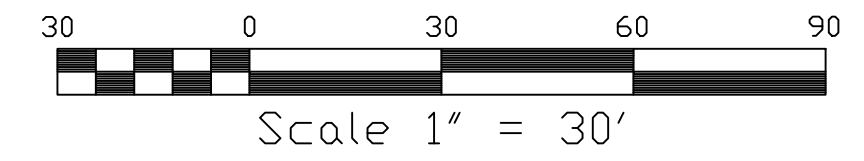
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P.O.R.	POINT OF REFERENCE	PROPOSED	PR.
O.T.P.	OPEN TOP PIPE	TREE PROTECTION FENCING	TPF
I.P.F.	IRON PIN FOUND	PR. FIRE HYDRANT	PR.
I.P.S.	IRON PIN SET	EX. FIRE HYDRANT	EX.
P.L.	PROPERTY LINE	EX. FIRE HYDRANT	EX.
C.M.F.	CONCRETE MONUMENT FOUND	EX. WATER VALVE	EX.
L.L.L.	LAND LOT LINE	BACK OF CURB	BOC
B.O.C.	BACK OF CURB	PR. WATER VALVE	PR.
E.O.P.	EDGE OF PAVEMENT	WATER METER	WM
T.W.	TOP OF WALL	ELECTRIC BOX	EB
B.W.	BOTTOM OF WALL	FLARED END SECTION	FES
D.E.	DRAINAGE EASEMENT	SANITARY SEWER LINE	SS
SA	SANITARY SEWER MANHOLE - SA	WATER LINE	W
J.B.	JUNCTION BOX (J.B.)	SIGN	S
DWCB	DOUBLE-WING CATCHBASIN (DWCB)	FENCE	F
SWCB	SINGLE-WING CATCHBASIN (SWCB)	LT-DUTY ASPHALT PAVING	LAP
DI	DROP INLET (DI)	HEAVY-DUTY ASPHALT PAVING	HAP
H.W.	HEADWALL		
DF	DRAINAGE FLOW		
LP	LIGHT POLE (LP)		
PP	POWER POLE (PP)		



OCS - POND HW
 SCALE: (H) 1" = 50'
 (V) 1" = 10'



PROJECT: THRIVE GRANT RD.
 SHEET: GRADING & DRAINAGE PLAN
 LL 245
 DATE: 01-25-23
 DRAWN BY: GPH

SHEET
C4

REV. DATE: DESCRIPTION:
 DRAWING NO: 211120- GRANT RD.

CLAYTON COUNTY
 12TH DISTRICT
 SCALE: 1" = 30'

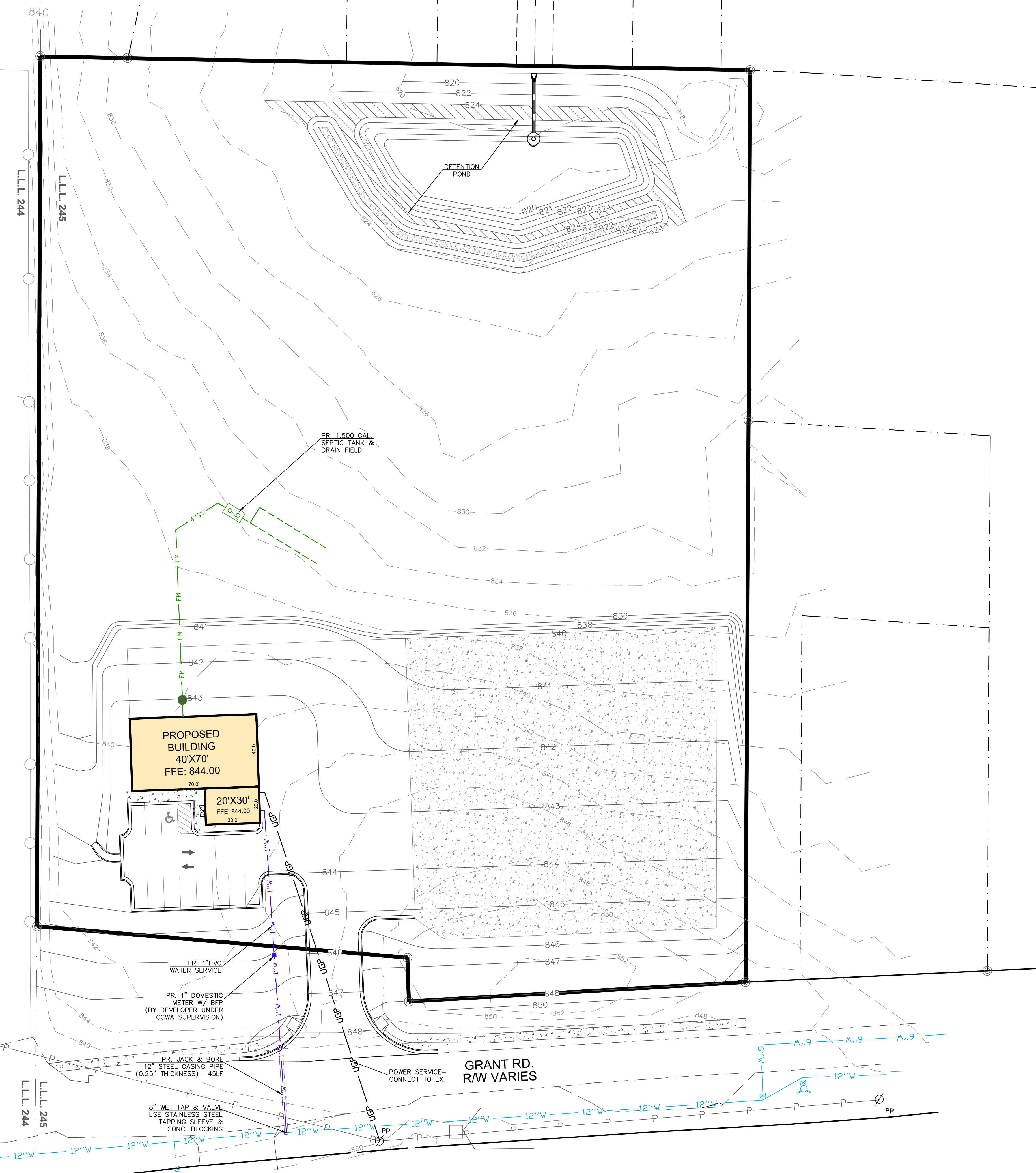
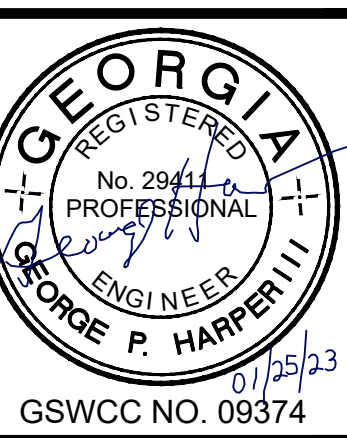
BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS NOT INSIDE OF ANY FLOOD PLAIN (ZONE X).

COMMUNITY PANEL 13063C0043F DATED: JUNE 7TH, 2017



CAUTION
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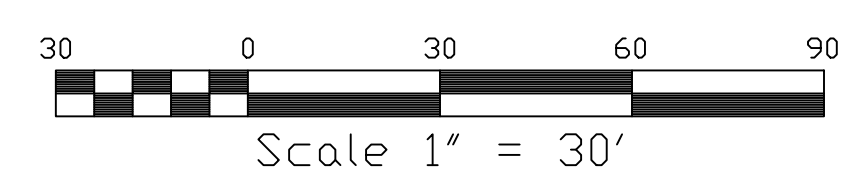
WATER SYSTEM NOTES:

1. ALL SERVICE TUBING SHALL BE 01" TYPE K SOFT ANNEALED COPPER TUBING.
2. ALL GATE VALVES ARE TO BE INSTALLED OUTSIDE OF PAVEMENT OR CURB.
3. VALVES NEAR TEES AND/OR CROSSES SHALL BE RESTRAINED TO TEE OR CROSS BY THREADED RODS OR ANCHORED PIPE FITTINGS.

UTILITY NOTES:

1. EXISTING UTILITIES ARE INDICATED ON DRAWINGS AT APPROXIMATE LOCATIONS AND REFLECT GENERAL OBSERVATION FROM GROUND SURFACE. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES ON THE PROJECT IN ORDER TO VERIFY THE EXACT LOCATION AND DEPTHS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
2. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL COST ASSOCIATED WITH RELOCATED, CAPPING, AND/OR REMOVING EXISTING UTILITIES.
3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATION WITH UTILITY OWNERS AND THEIR PROPOSED ROUTINGS TO SERVE BUILDINGS. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE INSTALLATION OF UTILITIES TO THE BUILDING.
4. FOR A LIST OF UTILITY OWNERS THAT HAVE FACILITIES IN THE VICINITY OF THIS PROJECT, SEE THE COVER SHEET. THIS IS NOT AN EXHAUSTIVE LIST AND IS MEANT FOR GENERAL INFORMATION AND COORDINATION.
5. PROPOSED WATER METERS SHALL BE INSTALLED FLUSH WITH "AS-BUILT" FINISHED GRADES.
6. THE GENERAL CONTRACTOR SHALL ADJUST ALL MANHOLE COVERS, VALVE COVERS, CLEAN-OUTS, VAULTS, METER BOXES, GRATES, ETC. EXISTING AND PROPOSED, TO "AS-BUILT" FINISHED GRADES.
7. UNDERGROUND UTILITY LINES SHALL BE INSTALLED, TESTED, INSPECTED AND COUNTY APPROVED BEFORE BACKFILLING.
8. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR POTHOLING TO VERIFY UTILITY LOCATION MARKINGS.
9. PRIOR TO THE INSTALLATION OF SANITARY SEWER PIPE, THE GENERAL CONTRACTOR SHALL VERIFY THE INVERTS OF EXISTING STRUCTURES AND INFORM THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION.
10. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A MARKED-UP SET OF DESIGN DRAWINGS SHOWING ALL "AS-BUILT" CONDITIONS. THESE "RECORD DRAWINGS" SHALL BE STORED AT THE SITE AT ALL TIMES AND MADE AVAILABLE TO THE DESIGNER AND/OR COUNTY OFFICIAL UPON REQUEST.
11. ALL WATER LINES 6" AND GREATER REQUIRE THRUST BLOCKING AT BENDS, TEES, FIRE HYDRANTS, DEAD ENDS, ETC. PROVIDE THRUST BLOCKING PER LOCAL JURISDICTION SPECIFICATIONS.
12. CONTACT CLAYTON COUNTY WATER AUTHORITY (CCWA) AT (770) 960-5200 FOR WATER AND SEWER TAPS.
13. NOTIFY CCWA (72) HOURS PRIOR TO COMMENCING SEWER OR WATER LINE INSTALLATION (IF APPLICABLE).
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING APPROPRIATE SLEEVES (IE. IRRIGATION, POWER, ETC.) UNDER PAVED AREAS AS NEEDED TO ROUTE THESE SERVICES TO LANDSCAPE AREAS, SITE LIGHTING FIXTURES, SIGNS, ETC. OR TO COORDINATE WITH SUB-CONTRACTORS TO LAY THESE LINES BEFORE PAVING.
15. REFER TO ARCHITECTURAL PLANS FOR ALL UTILITY TIE-IN LOCATIONS.
16. CALL CLAYTON COUNTY BUILDING INSPECTIONS AT (770) 477-3571 TO SCHEDULE AN INSPECTION OF ALL UNDERGROUND UTILITIES PRIOR TO COVERING/BURYING UNDERGROUND. ANY QUESTIONS PERTAINING TO INSPECTIONS CAN BE DIRECTED AT (770) 472-7624.
17. FIELD MARKING THE AVAILABLE FAULT CURRENT FOR THE ELECTRICAL SYSTEM. SERVICE EQUIPMENT SHALL BE LEGIBLY MARKED IN THE FIELD WITH THE MAXIMUM AVAILABLE FAULT CURRENT. THE FIELD MARKING(S) SHALL INCLUDE THE DATE THE FAULT CURRENT CALCULATION WAS PERFORMED AND BE OF SUFFICIENT DURABILITY TO WITHSTAND WEATHERING AND THE ENVIRONMENT INVOLVED.
18. PROJECT MUST COMPLY WITH ALL APPLICABLE CODES AND CITY ORDINANCES.

OWNER/DEVELOPER:
 24 HOUR CONTACT
 PRIMARY PERMITTEE
 FLASH EXPEDITED SERVICES
 JOSE HERNANDEZ
 617 Bridgeston Cove
 Suwanee, GA. 30024
 PH: 404-561-7748
 E: jhernandez@thriveglx.com



REV.	DATE	DESCRIPTION

PROJECT: THRIVE GRANT RD.
 SHEET: UTILITY PLAN
 LL 245
 12TH DISTRICT CLAYTON COUNTY
 DRAWN BY: GPH
 DATE: 01-25-23
 SCALE: 1" = 30'
 DRAWING NO: 211120- GRANT RD.

SHEET
C5

ACTIVITY SCHEDULE	MONTH	1	2	3	4
1. Installation of Erosion Control Measures					
2. Clearing & Grading Operations					
3. Building & Parking Lot Construction					
4. Grassing-Mulching, Temp. & Perm. Vegetation					
5. Maintenance of Erosion Control Measures					
6. Installation of Water Quality Device					
7. Final landscaping, grassing, cleaning of drains					

BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS NOT INSIDE OF ANY FLOOD PLAIN (ZONE X).
 COMMUNITY PANEL 13063C0043F DATED: JUNE 7TH, 2017

TOTAL SITE AREA- 4.48 Acres
DISTURBED AREA- 4.45 Acres

- NOTES:**
- SOIL TYPES: GwE2 (GWINNETT SANDY CLAY LOAM, 6 TO 10% SLOPES) ERODED. GwC2 (GWINNETT SANDY CLAY LOAM, 10 TO 25% SLOPES) ERODED.
 - THE SITE IS CURRENTLY WOODED & UNDEVELOPED
 - 24-HOUR CONTACT: JOSE HERNANDEZ (404) 561-7748
 - RUNOFF COEFFICIENT: PRE & POST DEVELOPED "CN" - 59
 - THE DEVELOPED SITE FLOWS TO THE PROPOSED DETENTION POND TO BE CONSTRUCTED.
 - THE PROPOSED CONSTRUCTION IS A COMMERCIAL REPAIR SHOP AND PARKING LOT.
 - THERE ARE NO BUFFERED STATE WATERS ON OR WITHIN 200' OF THE SITE.



CAUTION
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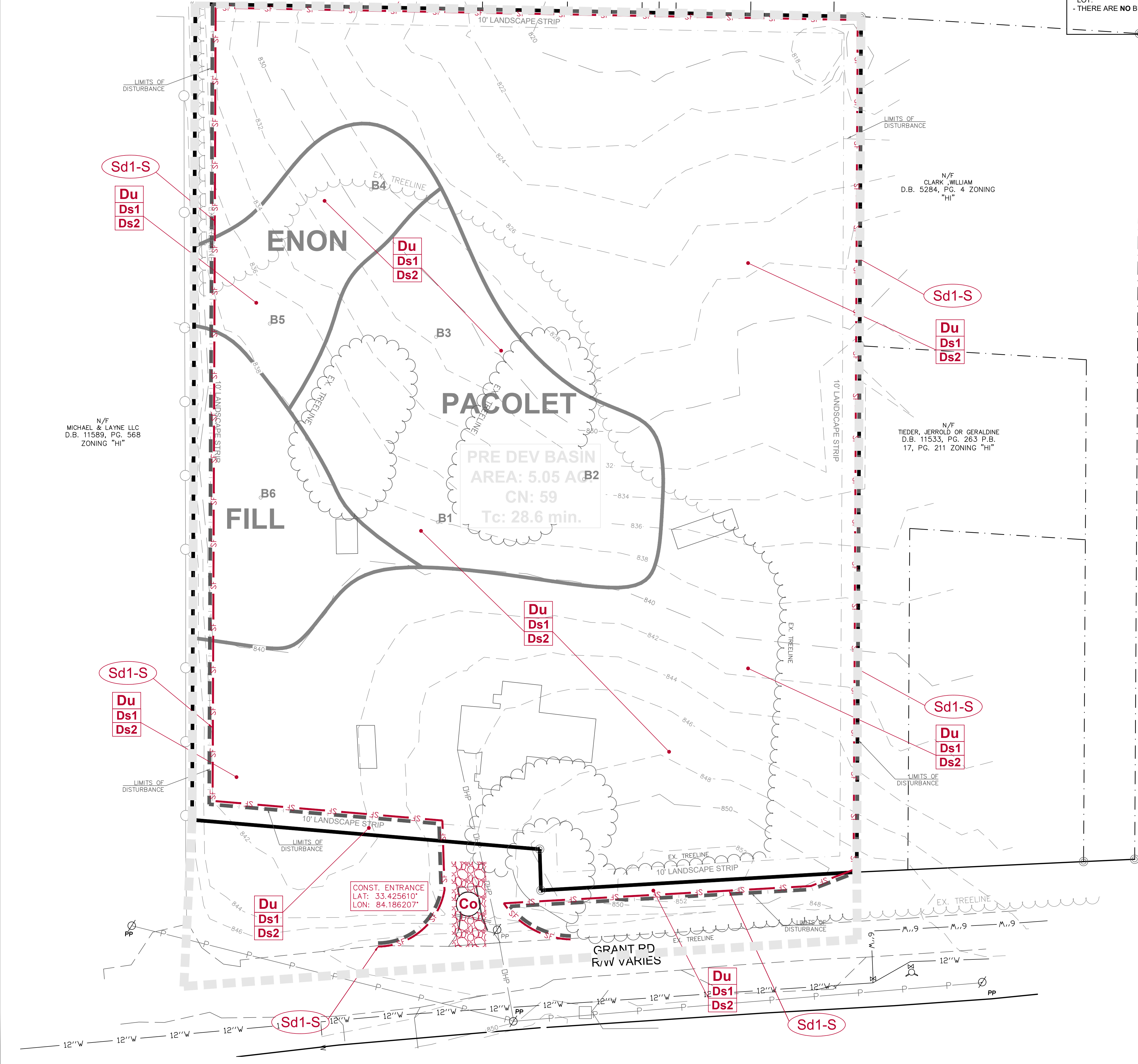
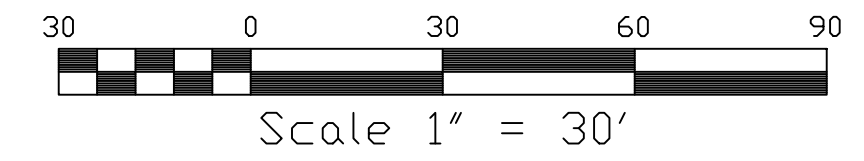
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 2. ALL DISTURBED AREAS TO BE GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.
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 7. INSPECTIONS BY CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 100001.
 8. WASTE MATERIALS SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
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 13. 67 CY/ AC. SEDIMENT STORAGE SUBSTANTIALLY HANDLED BY SILT FENCE PLACED ALONG THE TOE OF SLOPES AND A SKIMMER ON POND OCS.
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LEGEND

P.O.B. POINT OF BEGINNING	EXISTING EX.
P.O.R. POINT OF REFERENCE	PROPOSED PR.
O.T.P. OPEN TOP PIPE	TREE PROTECTION FENCING TPF
I.P.F. IRON PIN FOUND	PR. FIRE HYDRANT
I.P.S. IRON PIN SET	EX. FIRE HYDRANT
PL PROPERTY LINE	EX. WATER VALVE
C.M.F. CONCRETE MONUMENT FOUND	PR. WATER VALVE
L.L.L. LAND LOT LINE	EX. WATER METER
B.O.C. BACK OF CURB	WATER METER
E.O.P. EDGE OF PAVEMENT	ELECTRIC BOX
T.W. TOP OF WALL	FLARED END SECTION
B.W. BOTTOM OF WALL	SANITARY SEWER LINE - SS
D.E. DRAINAGE EASEMENT	WATER LINE - w
S SANITARY SEWER MANHOLE - SA	SIGN
JUNCTION BOX (JB)	FENCE
DOUBLE-WING CATCHBASIN (DWCB)	SANITARY SEWER LINE
SINGLE-WING CATCHBASIN (SWCB)	SEWER LINE
DROP INLET (DI)	HEADWALL
HEADWALL	DRAINAGE FLOW
DRAINAGE FLOW	LIGHT POLE (LP)
LIGHT POLE (LP)	POWER POLE (PP)
POWER POLE (PP)	



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 ENGINEERING, LLC
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 george@paramountengineering.com



REV.	DATE	DESCRIPTION

PROJECT: THRIVE GRANT RD.
SHEET: INITIAL PERIMETER ES & PC PLAN
 LL 245
 12TH DISTRICT
 CLAYTON COUNTY
DATE: 01-25-23
DRAWN BY: GPH
SCALE: 1" = 30'
DRAWING NO: 211120- GRANT RD.

SHEET
C6

ACTIVITY SCHEDULE	MONTH	1	2	3	4
1. Installation of Erosion Control Measures					
2. Clearing & Grading Operations					
3. Building & Parking Lot Construction					
4. Grassing/Mulching, Temp. & Perm. Vegetation					
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 COMMUNITY PANEL 13063C0043F DATED: JUNE 7TH, 2017

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RIP-RAP APRON CHART

HW	PIPE DIA.	Q25(cts)	V25(fps)	La	W1	W2	d50	D
POND-HW	18"	0.257	4.15	9'	4.5'	10.5'	0.5'	1.0'

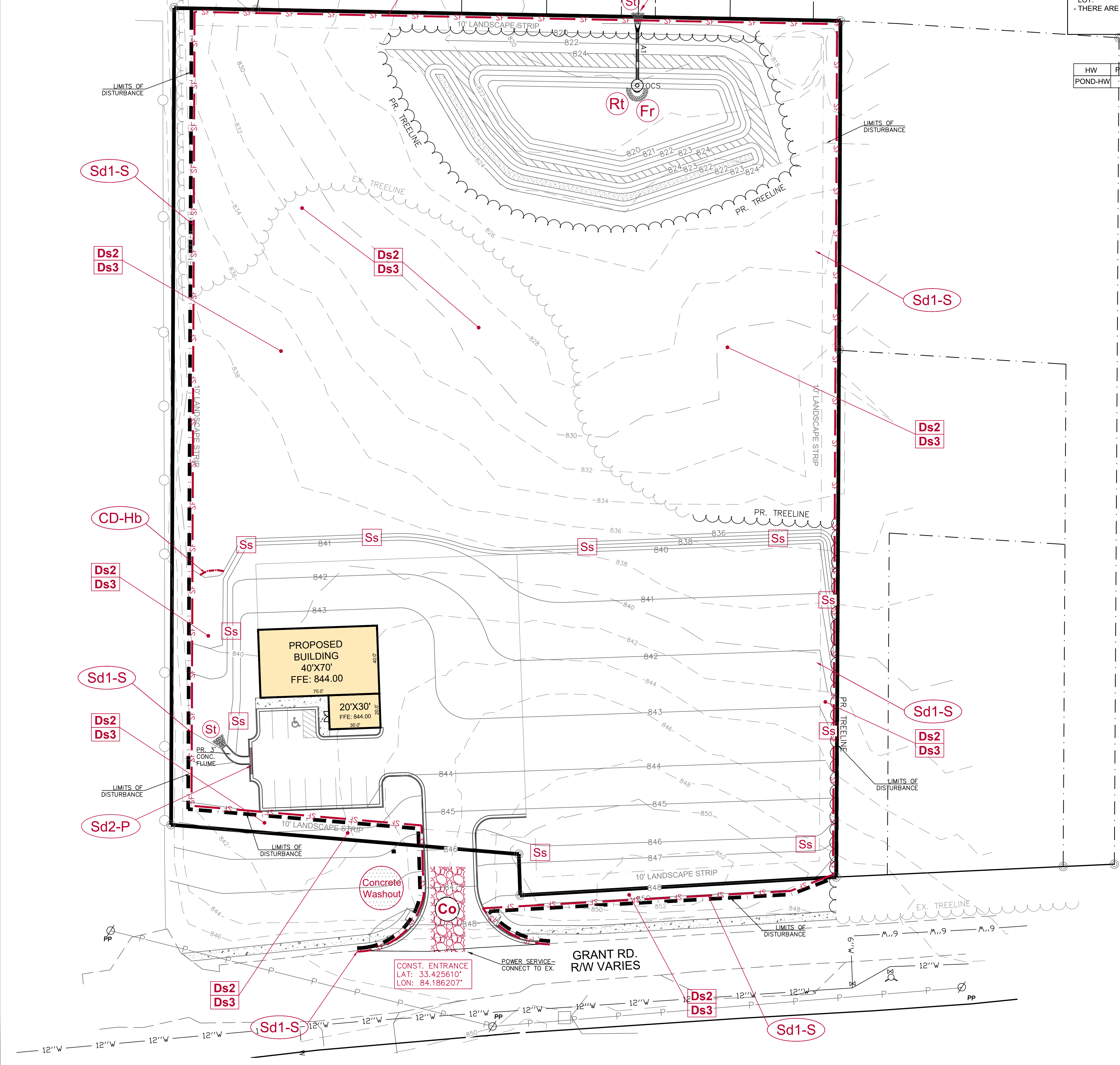
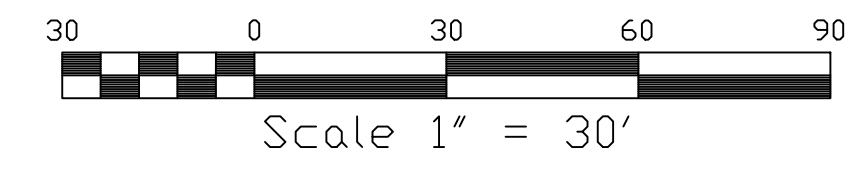
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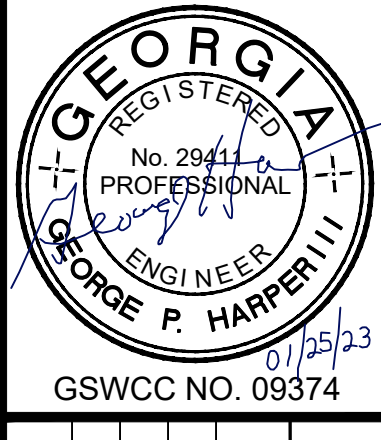
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LEGEND

P.O.B. POINT OF BEGINNING	EXISTING EX.
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O.T.P. OPEN TOP PIPE	TREE PROTECTION FENCING TPF
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B.O.C. BACK OF CURB	T.W. TOP OF WALL
E.O.P. EDGE OF PAVEMENT	B.W. BOTTOM OF WALL
T.W. TOP OF WALL	D.E. DRAINAGE EASEMENT
B.W. BOTTOM OF WALL	SANITARY SEWER MANHOLE - SA
D.E. DRAINAGE EASEMENT	JUNCTION BOX (JB)
SANITARY SEWER MANHOLE - SA	DOUBLE-WING CATCHBASIN (DWCB)
JUNCTION BOX (JB)	SINGLE-WING CATCHBASIN (SWCB)
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	FENCE
	LT-DUTY ASPHALT PAVING
	HEAVY-DUTY ASPHALT PAVING



Paramount
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 NEWNAN, GA. 30266
 PH: (770)-473-9576
 george@paramountengineering.com



REV.	DATE	DESCRIPTION

PROJECT: THRIVE GRANT RD.
SHEET: INTERMEDIATE ES & PC PLAN
 LL 245
DATE: 01-25-23
DRAWN BY: GPH
SCALE: 1" = 30'
 CLAYTON COUNTY
 12TH DISTRICT

ACTIVITY SCHEDULE	MONTH	1	2	3	4
1. Installation of Erosion Control Measures		■			
2. Clearing & Grading Operations			■	■	
3. Building & Parking Lot Construction				■	■
4. Grassing-Mulching, Temp. & Perm. Vegetation				■	■
5. Maintenance of Erosion Control Measures				■	■
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7. Final landscaping, grassing, cleaning of drains					■

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 COMMUNITY PANEL 13063C0043F DATED: JUNE 7TH, 2017

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DISTURBED AREA- 4.45 Acres

NOTES:

- SOIL TYPES: GwE2 (GWINNETT SANDY CLAY LOAM, 6 TO 10% SLOPES) ERODED.
- GwC2 (GWINNETT SANDY CLAY LOAM, 10 TO 25% SLOPES) ERODED.
- THE SITE IS CURRENTLY WOODED & UNDEVELOPED
- 24-HOUR CONTACT: JOSE HERNANDEZ (404)-561-7748
- RUNOFF COEFFICIENT: PRE & POST DEVELOPED "CN" - 59
- THE DEVELOPED SITE FLOWS TO THE PROPOSED DETENTION POND TO BE CONSTRUCTED.
- THE PROPOSED CONSTRUCTION IS A COMMERCIAL REPAIR SHOP AND PARKING LOT.
- THERE ARE NO BUFFERED STATE WATERS ON OR WITHIN 200' OF THE SITE.

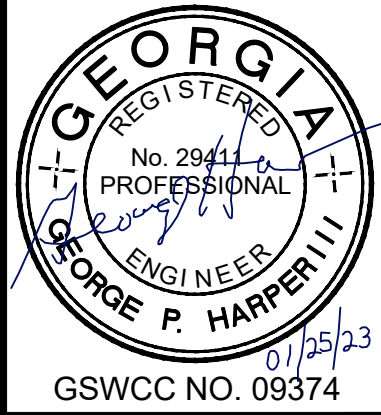


CAUTION
 THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

EROSION CONTROL NOTES:

- 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.
- ALL DISTURBED AREAS TO BE GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
- CUT AND FILL SLOPES SHALL NOT EXCEED 2H:1V ON ALL SLOPES.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- AMENDMENTS/ REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
- INSPECTIONS BY CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR, 100001.
- WASTE MATERIALS SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- IT IS THE RESPONSIBILITY OF THE PRIMARY PERMITTEE TO PREPARE THE NOI.
- 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 & PERMITS.
- THIS ES&PC PLAN IS IN COMPLIANCE WITH WASTE DISPOSAL & SANITARY SEWER REGULATIONS DURING AND AFTER CONSTRUCTION.
- THIS PROJECT DOES NOT DISCHARGE STORMWATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED, AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT, (UNNAMED TRIBUTARY TO CONLEY CREEK)
- 67 CY/AC. SEDIMENT STORAGE SUBSTANTIALLY HANDLED BY SILT FENCE PLACED ALONG THE TOE OF SLOPES AND A SKIMMER ON POND OCS.
- SEDIMENT STORAGE VOLUME MUST BE IN PLACE PRIOR TO, AND DURING ALL LAND DISTURBANCE ACTIVITIES UNTIL FINAL STABILIZATION OF THE SITE HAS BEEN ACHIEVED.
- CONTRACTOR MUST HAUL OFF ALL SOLID WASTE TO AN APPROVED LANDFILL. SOLID WASTE BURNING ON SITE IS PROHIBITED.
- THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.
- CONTRACTOR MUST ADHERE TO CLAYTON COUNTY EROSION AND SEDIMENT CONTROL REGULATIONS AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA"
- SEDIMENT / EROSION CONTROL FACILITIES AND STORM DRAINAGE FACILITIES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
- ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A FAST-GROWING COVER AND/OR MULCH.
- OWNER/ DEVELOPER AND CONTRACTOR SHALL BE RESPONSIBLE DURING CONSTRUCTION FOR THE CONTINUOUS MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES AS CALLED FOR ON DRAWINGS AND SPECIFICATIONS.
- SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
- SILT FENCE SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROPERTY LIMITS.
- SILT FENCE SHALL BE CLEANED OR REPLACED WHEN SILT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER.
- BUILDING MATERIALS AND PRODUCTS STORED ON SITE TO BE COVERED BY A TARPULIN.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES AND THE INSPECTIONS AND REPAIRS WILL BE MADE BY:

Paramount
 ENGINEERING, LLC
 11 E. BROAD ST.
 NEWNAN, GA. 30263
 PH: (770)-473-9576
 george@paramountengineering.com



REV.	DATE	DESCRIPTION

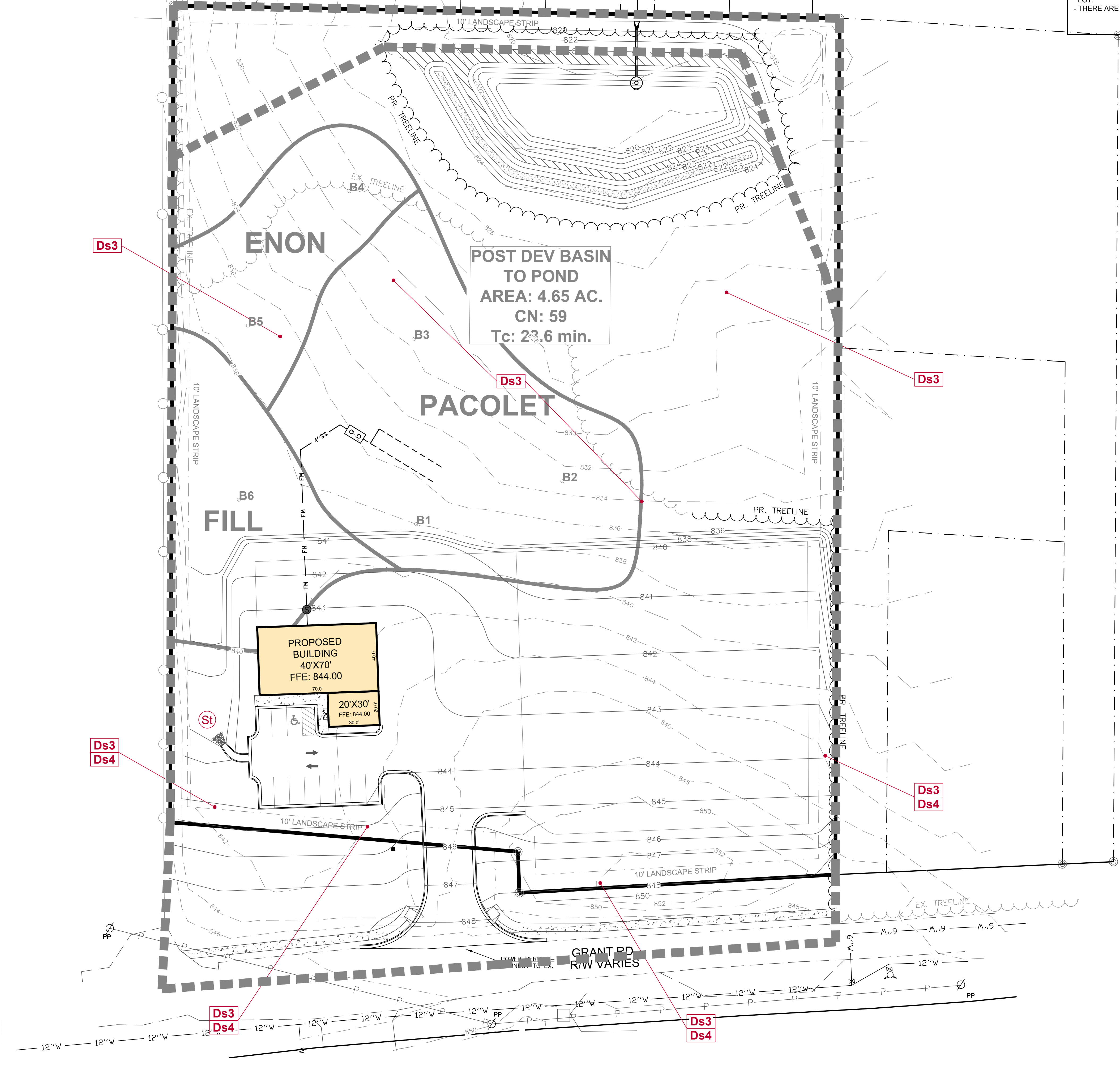
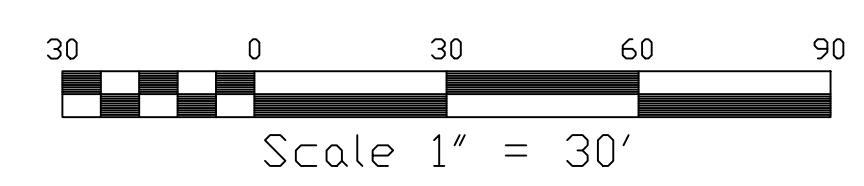
PROJECT: THRIVE GRANT RD.
SHEET: FINALS & PC PLAN
 LL 245
DATE: 01-25-23
 DRAWN BY: GPH
 SCALE: 1" = 30'
 CLAYTON COUNTY
 12TH DISTRICT

NAME: JOSE HERNANDEZ- FLASH EXPEDITED SERVICES
 ADDRESS: 617 BRIDGESTON COVE
 SUWANEE, GA. 30024
 PHONE (24HR.): (404) 561-7748
 EMAIL: jhernandez@thriveglx.com

OWNER/DEVELOPER:
 24 HOUR CONTACT
 PRIMARY PERMITTEE
 FLASH EXPEDITED SERVICES
 JOSE HERNANDEZ
 617 Bridgeston Cove
 Suwanee, GA. 30024
 PH: 404-561-7748
 E: jhernandez@thriveglx.com

LEGEND

P.O.B. POINT OF BEGINNING	EXISTING EX.
P.O.R. POINT OF REFERENCE	PROPOSED PR.
O.T.P. OPEN TOP PIPE	TREE PROTECTION FENCING TPF
I.P.F. IRON PIN FOUND	PR. FIRE HYDRANT
I.P.S. IRON PIN SET	EX. FIRE HYDRANT
PL PROPERTY LINE	EX. WATER VALVE
C.M.F. CONCRETE MONUMENT FOUND	EX. BAG OF CURB
L.L.L. LAND LOT LINE	PR. WATER VALVE
B.O.C. BAG OF CURB	WATER METER
E.O.P. EDGE OF PAVEMENT	ELECTRIC BOX
T.W. TOP OF WALL	SANITARY SEWER LINE - SA
B.W. BOTTOM OF WALL	FLARED END SECTION
D.E. DRAINAGE EASEMENT	WATER LINE - w
(S) SANITARY SEWER MANHOLE - SA	SIGN
JUNCTION BOX (JB)	FENCE
(D) DOUBLE-WING CATCHBASIN (DWCB)	SANITARY SEWER LINE - ss
(S) SINGLE-WING CATCHBASIN (SWCB)	WATER LINE - w
DROP INLET (DI)	HEADWALL
HEADWALL	DRAINAGE FLOW
DRAINAGE FLOW	LIGHT POLE (LP)
LIGHT POLE (LP)	POWER POLE (PP)
POWER POLE (PP)	



EROSION AND SEDIMENT CONTROL NOTES:

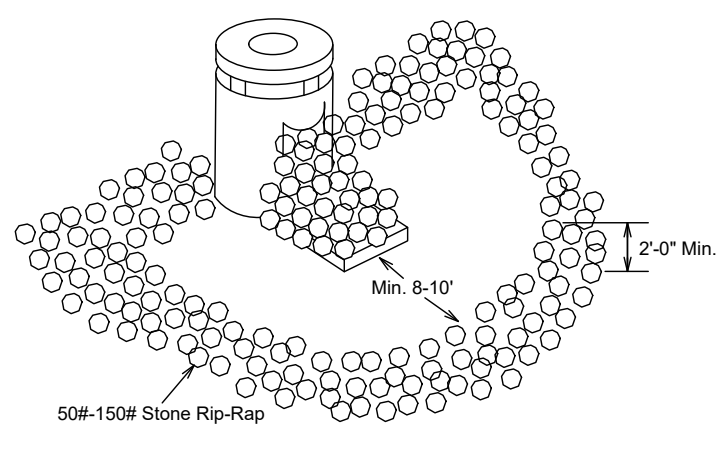
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2. SEDIMENT / EROSION CONTROL FACILITIES & STORM DRAINAGE FACILITIES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
3. ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A FAST-GROWING COVER &/OR MULCH.
4. OWNER, DEVELOPER OR CONTRACTOR SHALL BE RESPONSIBLE DURING CONSTRUCTION FOR THE CONTINUOUS MAINTENANCE OF SEDIMENT & EROSION CONTROL MEASURES AS CALLED FOR ON DRAWINGS & SPECIFICATIONS.
5. SEDIMENT & EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE & UNTIL A PERMANENT ground COVER HAS BEEN ESTABLISHED.
6. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED & RIP RAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.
7. A MINIMUM OF 10 SQUARE YARDS OF 50 POUND STONE SHALL BE PLACED AT ALL DOWNSTREAM HEADWALLS, OR AS SHOWN.
8. SILT FENCE SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT & EROSION FROM LEAVING PROPERTY LIMITS.
9. SILT FENCE SHALL BE CLEANED OR REPLACED WHEN SILT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER.
10. "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES & PRACTICES PRIOR TO, OR CONCURRENT WITH LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES & THE INSPECTIONS & REPAIRS WILL BE MADE BY:

NAME: JOSE HERNANDEZ
 ADDRESS: 617 BRIDGESTON COVE
 SUWANEE, GA. 30024
 PHONE (24HR.): (404) 561-7748
 EMAIL: JHERNANDEZ@THRIVEGLX.COM

11. "EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE."
12. **THIS PROJECT DOES NOT DISCHARGE STORMWATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF & WITHIN THE SAME WATERSHED, AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT.**
13. 67 CY/AC. SEDIMENT STORAGE SUBSTANTIALLY HANDLED BY SILT FENCE PLACED ALONG THE TOE OF SLOPES & A SKIMMER ON THE POINT OF CUT.
14. SEDIMENT STORAGE VOLUME MUST BE IN PLACE PRIOR TO, & DURING ALL LAND DISTURBANCE ACTIVITIES UNTIL FINAL STABILIZATION OF THE SITE HAS BEEN ACHIEVED.

DU DUST CONTROL ON DISTURBED AREAS

- MULCH DISTURBED AREAS AND TACKIFY WITH RESINS SUCH AS ASPHALT, CURASOL, OR TERRACAK ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- STABILIZE DISTURBED AREAS WITH TEMPORARY OR PERMANENT VEGETATION
- IRRIGATE DISTURBED AREAS UNTIL SURFACE IS WET.
- COVER SURFACES WITH CRUSHED STONE OR GRAVEL.
- APPLY CALCIUM CHLORIDE AT A RATE TO KEEP SURFACES MOIST.

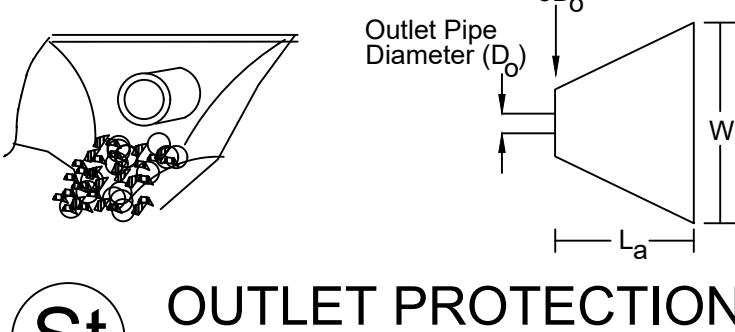


Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

MATERIAL	RATE	DEPTH
STRAW OR HAY	2.5 TONS/ACRES	6"-10"
WOOD WASTE CHIPS, SODDUST, BARK	6 TO 9 TONS/AC	2"-3"
CUTBACK ASPHALT	1200 GAL/AC	---
POLYETHYLENE FILM	SEE MANUFACTURER'S RECOMMENDATION	---
GEOTEXTILE JUTE MATTING	SEE MANUFACTURER'S RECOMMENDATION	---

FR STONE FILTER RING

A PAVED OR SHORT SECTION OF RIPRAP CHANNEL, AT THE "OUTLET" OF A STORM DRAIN SYSTEM PREVENTING EROSION FROM THE CONCENTRATED RUNOFF.



Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDINGS)

SPECIES	SEEDING RATE (LBS. PURE LIVE SEED)	PLANTING DATES
RYEGRASS (ANNUAL)	40 LBS/ACRE	AUGUST - APRIL
MILLET, PEARL	50 LBS/ACRE	APRIL - AUGUST
RYE	168 LBS/ACRE	AUGUST - DECEMBER

- NOTES:
 1. OTHER SPECIES MAY BE USED AS RECOMMENDED BY THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
 2. LIME AND FERTILIZATION ARE REQUIRED.
 3. MULCHING SHALL BE REQUIRED AS DIRECTED BY THE ENGINEER USING DRY STRAW OR HAY AT A RATE OF 2.5 TONS/ACRE.

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

SPECIES	SEEDING RATE (LBS. PURE LIVE SEED)	PLANTING DATES
BERMUDA, COMMON (HULLED)	6-10 LBS/ACRE	MARCH - JUNE
BERMUDA, COMMON (UNHULLED)	6-10 LBS/ACRE	OCTOBER - FEBRUARY
FESCUE, TALL	30-50 LBS/ACRE	AUGUST - OCTOBER MARCH - APRIL
LESPEDEZA	60 - 75 LBS/ACRE	JANUARY - DECEMBER

- NOTES:
 1. OTHER SPECIES MAY BE USED AS RECOMMENDED BY THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
 2. MULCHING, LIME AND FERTILIZATION ARE REQUIRED. CONVENTIONAL PLANTING SHALL UTILIZE RECOMMENDED RATES DESCRIBED IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
 3. HYDRAULIC SEEDING MIXTURES SHALL CONSIST OF APPROPRIATE AMOUNTS OF SEED, MULCH AND FERTILIZER AS DIRECTED BY THE ENGINEER.
 4. SPECIES MAY BE MIXED TO OBTAIN OPTIMUM RESULTS.
 5. APPLY AGRICULTURAL LIME AS PRESCRIBED BY SOIL TESTS OR AT A RATE OF 1 TO 2 TONS PER ACRE.

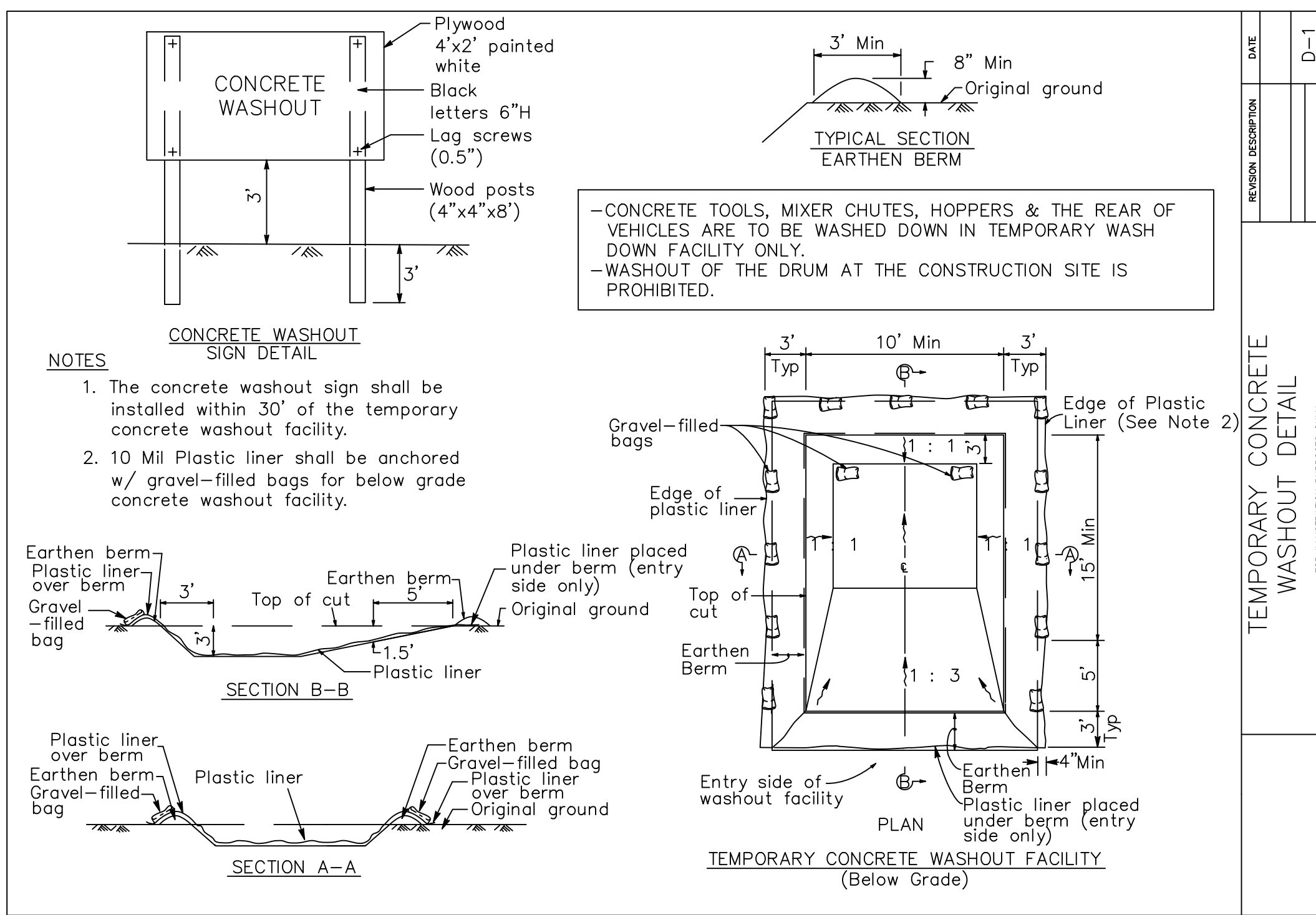
Ds4 DISTURBED AREA STABILIZATION (WITH SODDING)

GRASS VARIETIES	RESOURCE AREA	GROWING SEASON
BERMUDAGRASS	COMMON M-L,P,C P,C P,C	WARM WEATHER
BAHIA GRASS	PENSACOLA	P,C WARM WEATHER
CENTPEDE	P,C	WARM WEATHER
ST. AUGUSTINE	COMMON BITTER BLUE RALEIGH	C WARM WEATHER
ZOYSIA	EMERALD MEYER	P,C WARM WEATHER
TALL FESCUE	KENTUCKY M-L,P	COOL WEATHER

- NOTES:
 1. BRING SOIL SURFACE TO FINAL GRADE. CLEAR SURFACE OF TRASH, WOODY DEBRIS, STONES & CLODS LARGER THAN 1".
 2. APPLY SOD TO SOIL SURFACES ONLY & NOT FROZEN SURFACES, OR GRAVEL TYPE SOILS.
 3. TOPSOIL PROPERLY APPLIED WILL HELP GUARANTEE A STAND. DON'T USE TOPSOIL RECENTLY TREATED WITH HERBICIDES OR SOIL STERILIZERS.
 4. FERTILIZE BASED ON SOIL TESTS OR REFER TO "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
 5. LAY SOD WITH TIGHT JOINTS & IN STRAIGHT LINES. DON'T OVERLAP JOINTS. STAGGER JOINTS & DON'T STRETCH SOD.
 6. ON SLOPES STEEPER THAN 3:1, SOD SHOULD BE ANCHORED WITH PINS OR OTHER APPROVED METHODS.
 7. INSTALLED SOD SHOULD BE ROLLED OR TAMPED TO PROVIDE GOOD CONTACT BETWEEN SOD & SOIL.
 8. IRRIGATE SOD & SOIL TO A DEPTH OF 4" IMMEDIATELY AFTER INSTALLATION.
 9. SOD SHOULD NOT BE CUT OR SPREAD IN EXTREMELY WET OR DRY WEATHER. IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL FOR A MINIMUM OF 2-3 WEEKS.
 10. SOD SELECTED SHOULD BE CERTIFIED. SOD GROWN IN THE GENERAL AREA OF THE PROJECT IS DESIRABLE.
 11. SOD SHOULD BE MACHINE CUT AND CONTAIN 3/4" (± 1/4") OF SOIL, NOT INCLUDING SHOOTS OR TATCH.
 12. SOD SHOULD BE CUT TO THE DESIRED SIZE WITHIN ± 5%. TORN OR UNEVEN PADS SHOULD BE REJECTED.
 13. SOD SHOULD BE CUT & INSTALLED WITHIN 36 HOURS OF DIGGING.
 14. AVOID PLANTING WHEN SUBJECT TO FROST HEAVE OR HOT WEATHER IF IRRIGATION IS NOT AVAILABLE.
 15. FOR MAINTENANCE & FERTILIZATION, REFER TO "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

SEEDING CHART

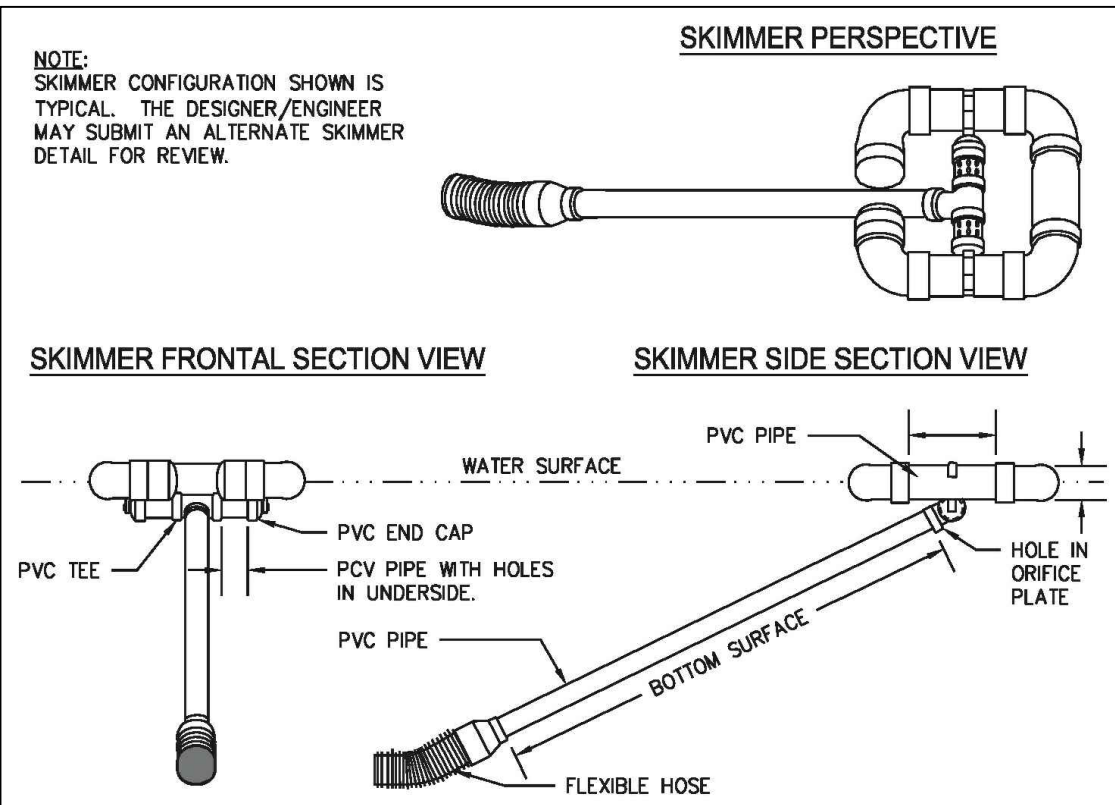
SPECIES	RATES / SPACING		PLANTING DATES			YEARS TO APPLY FERTILIZER	FERTILIZER RATES - POUNDS PER ACRE			
	1000 S.F.	ACRES	MTS. - L'STONE	PIEDMONT	COASTAL		N	P	K	N TOP-DRESSING
MIDLAND OR COMMON BERMUDAGRASS	1 CU. FT.	25-40 CU. FT.	3/15 - 8/1	---	---	FIRST	60-90	120-180	120-180	50-100
SPRING OR SOD PLUGS	3' X 3'	3' X 3'	---	---	---	SECOND	48	96	96	50-100
HULLED COMMON BERMUDAGRASS	0.25 LB.	8-10 LB.	4/10 - 6/15	4/1 - 6/15	2/15 - 6/15	FIRST	60-90	120-180	120-180	50-100
						SECOND	48	96	96	50-100
TALL FESCUEGRASS AND CLEAN COMBINE RUN VIRGATA OR SERICEA LESPEDEZA	1 LB.	30-40 LB.	8/1 - 10/15	9/1 - 11/1	9/15 - 11/15	FIRST	60-90	120-180	120-180	0-50 IN SPRING
	1.5 LB.	60-75 LB.	---	---	---	SECOND	0	70-100	70-100	---



SKIMMER SEDIMENT STORAGE CALCULATIONS

- TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN
 Rt- Storage Calculations
 1. Required stormwater storage = 18,155 cy = 490,185 cf. (as determined by local ordinance)
 2. Required sediment storage = 339 cy = 9,153 cf. (87 cy/ac x 5.05 ac disturbed area)
 3. Total required storage = (1) + (2) = 18,494 cy
 4. Available storage = 24,314 cy
 5. Is the available storage (4) greater than the total required storage (3)?
 X yes no
 6. If "no", the sediment storage capacity of the pond must be increased. Choose the method to be used:
 N/A Raise the invert of the outlet structure ___ inches
 Undercut the pond ___ feet
 Other _____
 7. Clean-out elevation = 818.70 ft (Elevation corresponding to 22 cy/ac ± 5.05 ac disturbed area)
 8. Is the length-width ratio 2:1 or greater?
 X yes no
 9. If "no", the length of flow must be increased. Choose the method to be used:
 Baffles (Type of baffle: _____)
 Other _____

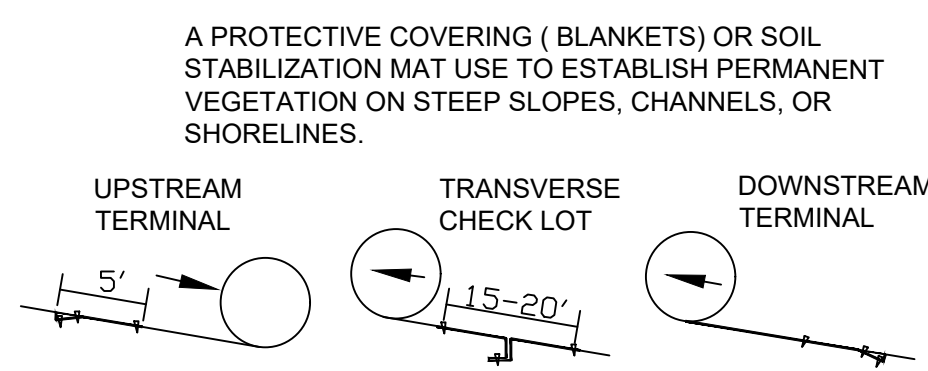
SK -SKIMMER



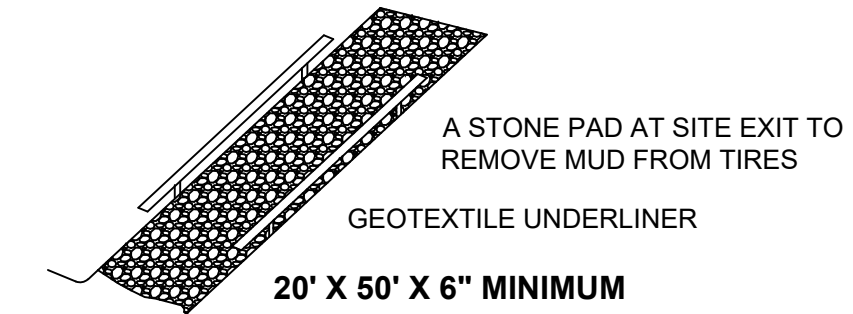
Skimmer Size
 Basin Volume in Cubic Feet 24,314 Cu. Ft
 Days to Drain 3 Days

Skimmer Size 3.0 Inch
 Orifice Radius 1.4 Inch[es]
 Orifice Diameter 2.7 Inch[es]

(SD-2) EXCAVATED INLET SEDIMENT TRAP

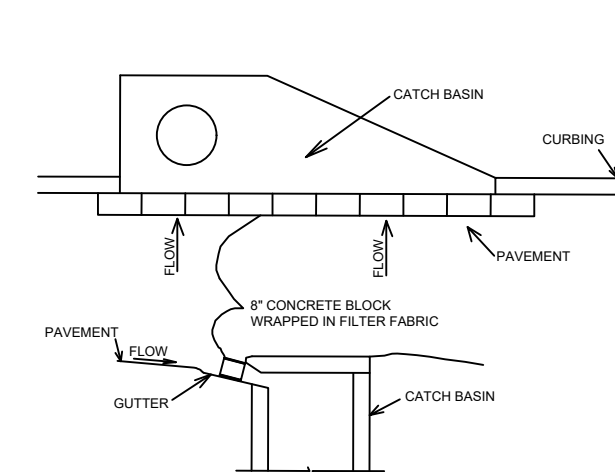


Ss -SLOPE STABILIZATION



STONE SIZE: ASTM D448 SIZE #1 (1.5" TO 3.5" DIAMETER).
 The exit shall be maintained in a condition which will prevent tracking or flow of mud onto public rights-of-way. This may require washing the pad periodically with water to remove trapped sediment and/or adding a top dressing of 1.5-3.5 inch stone, whatever conditions demand. All materials spilled, dropped, washed, or tracked from vehicles or site onto roadways or into storm drains must be removed immediately.

Co TEMP. CONSTRUCTION EXIT



WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET FACE OPENINGS IN BLOCKS OUTWARD.

Sd2-P CURB INLET TRAP

EROSION & SEDIMENT CONTROL

CODE	PRACTICE	DETAIL	MAP SCALE
Fr	FILTER RING		Fr
Ss	SLOPE STABILIZATION		Ss
Di	DIVERSION CHANNEL		Di
Rt-P	RETROFIT		Rt-P
Co	CONSTRUCTION EXIT		Co
Du	DUST CONTROL		Du
Ds1	DISTURBED AREA STABILIZATION WITH MULCHING ONLY		Ds1
Ds2	DISTURBED AREA STABILIZATION WITH TEMPORARY SEED		Ds2
Ds3	DISTURBED AREA STABILIZATION WITH PERMANENT SEED		Ds3
Ds4	DISTURBED AREA STABILIZATION WITH SOD		Ds4
Sd1-S	SEDIMENT BARRIER SENSITIVE		Sd1-S
Sd1-NS	SEDIMENT BARRIER NON-SENSITIVE		Sd1-NS
TP	TOPSOILING		TP
St	STORM DRAIN PROTECTION		St
Cd-S	CHECK DAM		Cd-S
Sd2-P	CURB INLET TRAP		Sd2-P
Sd2-A	INLET PROTECTION		Sd2-A
Wt	VEGETATED WATERWAY		Wt

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST

STANDARD ALONE CONSTRUCTION PROJECTS	MOUNTAIN DISTRICT - ATLANTA SATELLITE
Project Name: THRIVE GRANT RD.	Address: ANVIL BLOCK ROAD
City/County: CLAYTON COUNTY	Date on Plans: 12/21/2022
Name & email of person filling out checklist: George Harper	george@paramountengineering.com
Plan In/Out	TO BE SHOWN ON ESR&P PLAN
Page # 9	Y/N
6-9	Y
6-9	Y
N/A	N
6-9	Y
6-8	Y
6-8	Y
6-8	Y
6-8	Y
1	Y
6-8	Y
11	Y
11	Y
6-8	Y
6-8	Y
6-8	Y
6-8	Y
N/A	N
6-8	Y
6-8	Y
6-8	Y
6-8	Y
7	N
11	Y
11	Y
11	Y
11	Y
11	Y
6-8	Y
6-8	Y
11	Y
11	Y
11	Y
6-8	Y
N/A	N
N/A	N
6-8	Y
6-8	Y
6-8	Y
6-8	Y
9	Y
9	Y
9	Y
9	Y

THRIVE GRANT RD.

EROSION CONTROL DETAILS

14TH DISTRICT

CLAYTON COUNTY

SCALE: NTS

DRAWN BY: GPH

DATE: 01-25-23

SHEET C9

PROJECT: THRIVE GRANT RD.

SHEET: LL-245

DRAWING NO: 211120- GRANT RD.

DESCRIPTION:

Paramount
ENGINEERING, LLC

11 E. BROAD ST.
NEWNAN, GA. 30066

PH: (770) 473-9576
george@paramountengineering.com

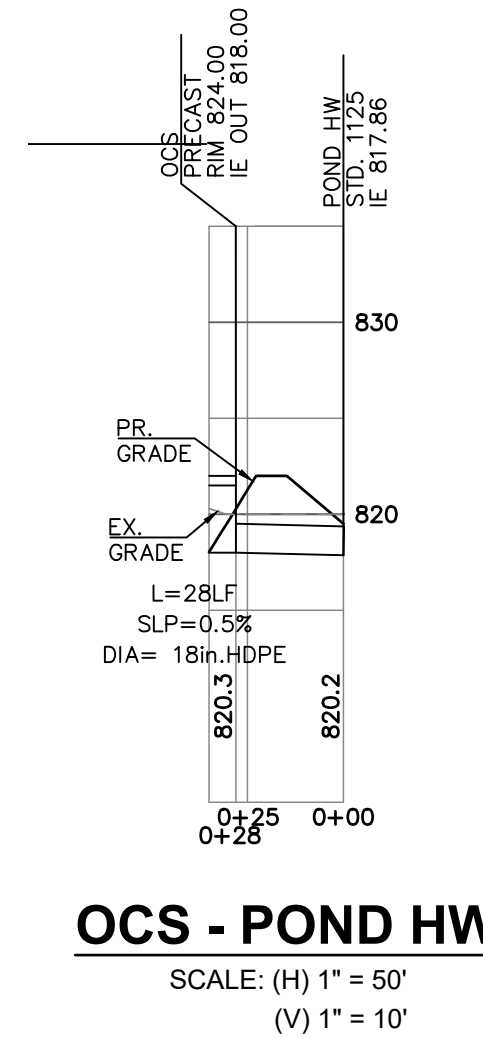
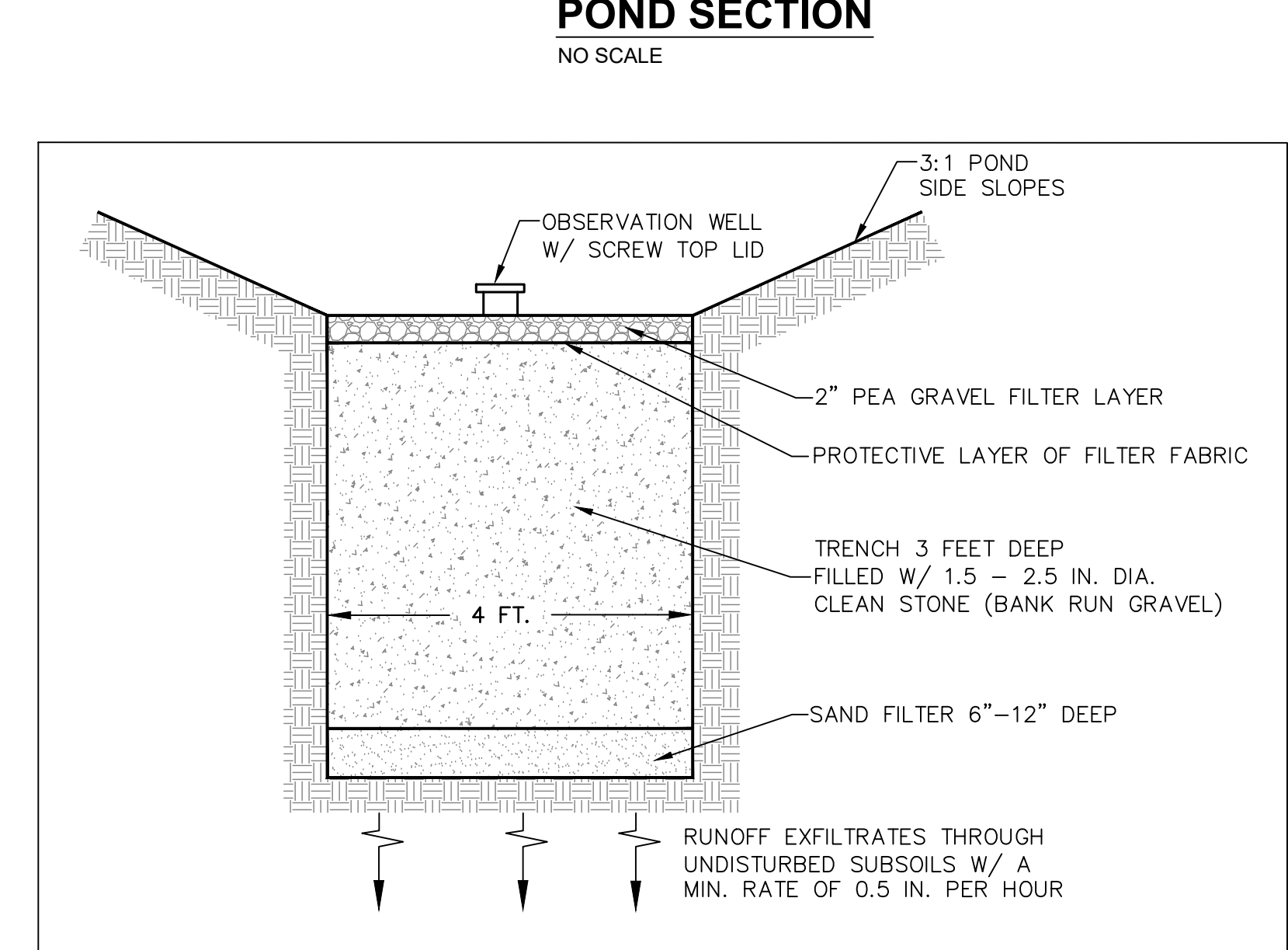
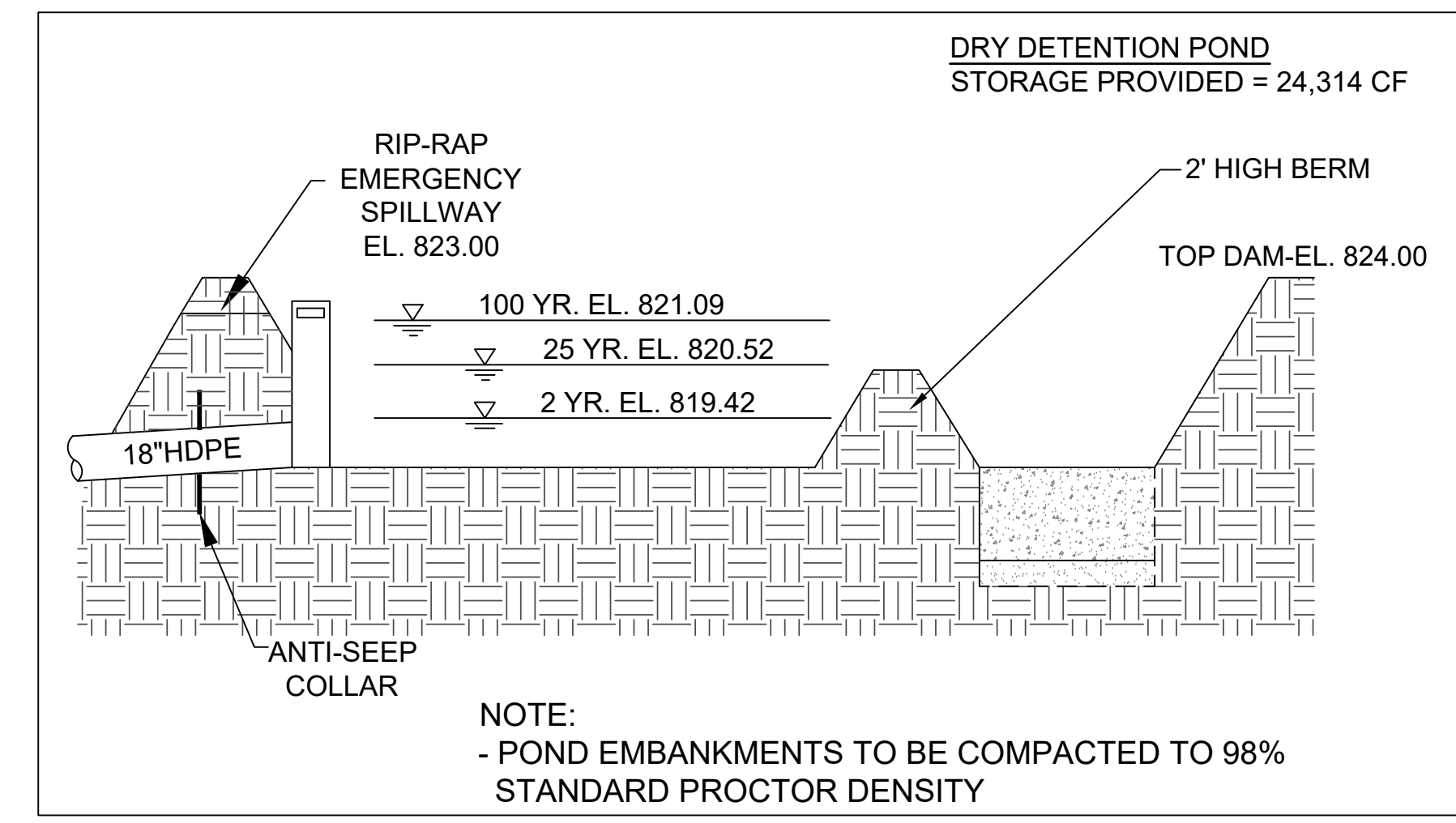
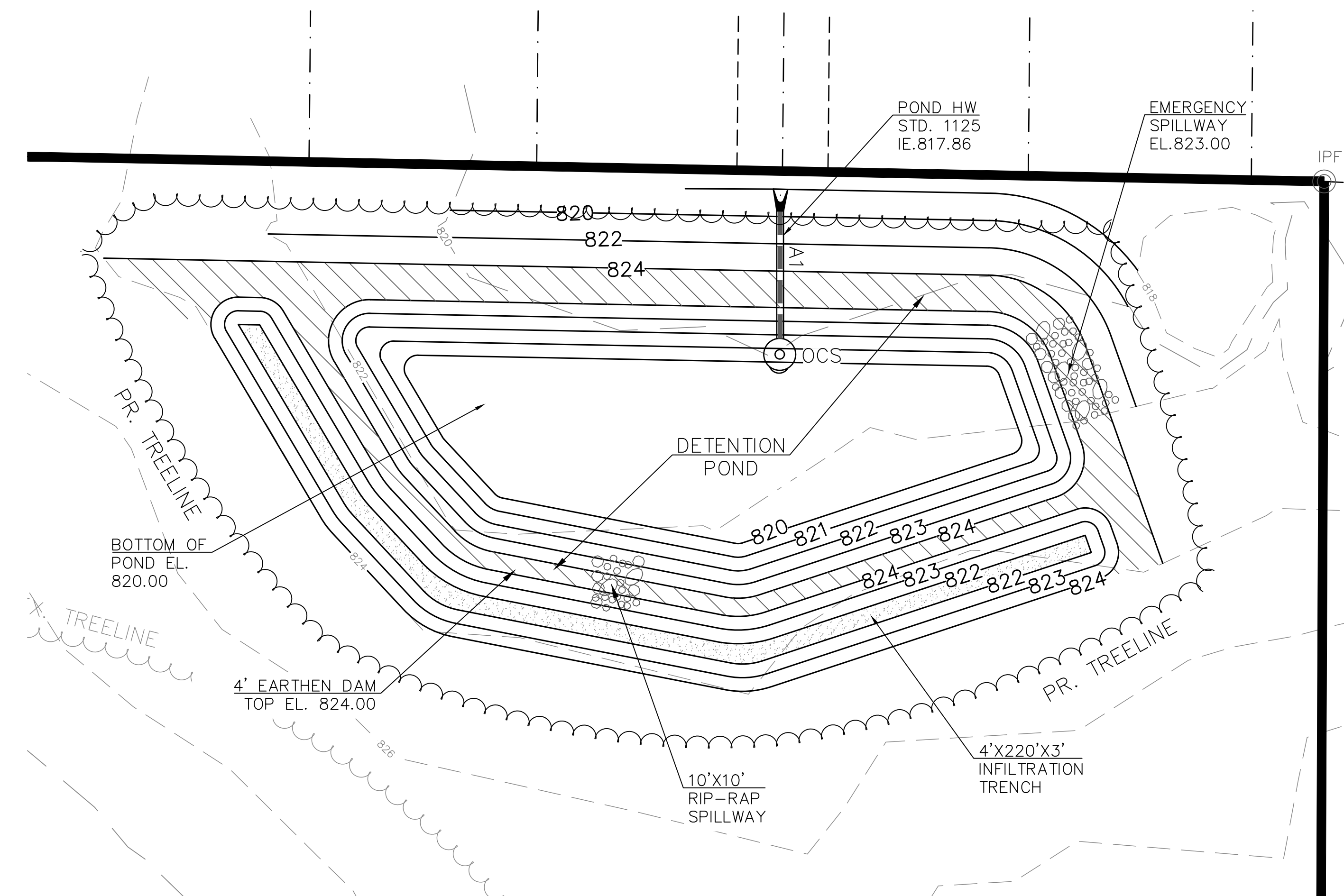
GSWCC NO. 09374

Effective January 1, 2023

CAUTION
THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

REV.	DATE	DESCRIPTION

PROJECT: **THRIVE GRANT RD.**
SHEET: **WATER QUALITY POND PLAN & DETAILS**
LL-245
CLAYTON COUNTY
12TH DISTRICT
DRAWN BY: GPH
SCALE: 1" = 20'
DATE: 01-25-23



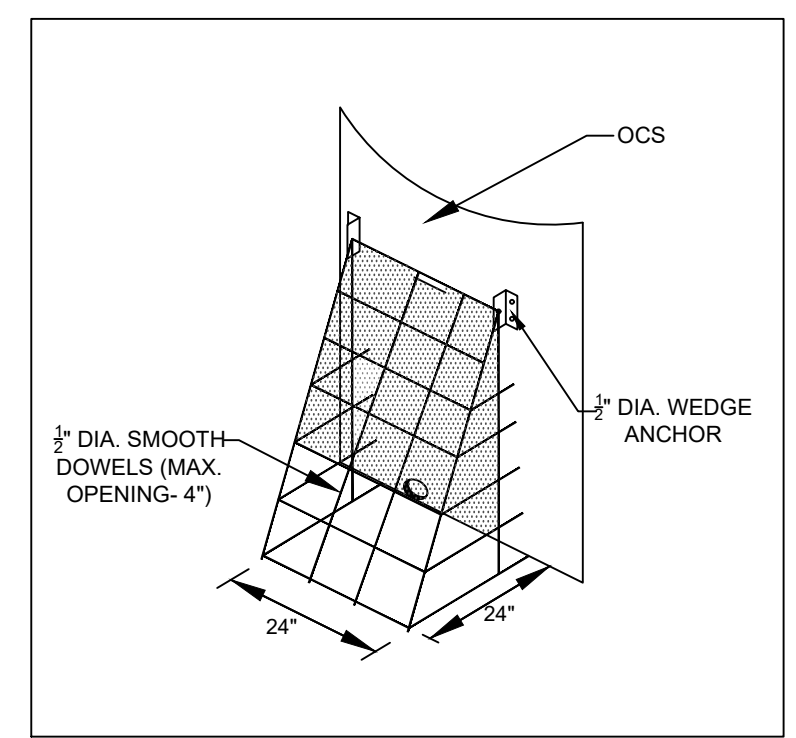
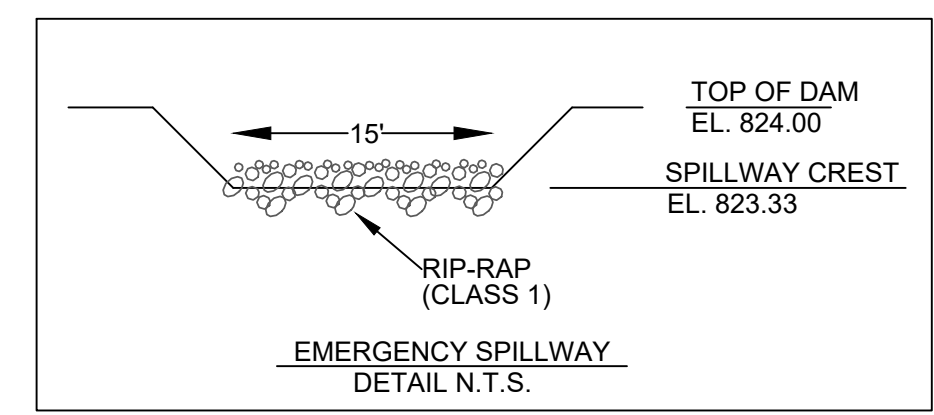
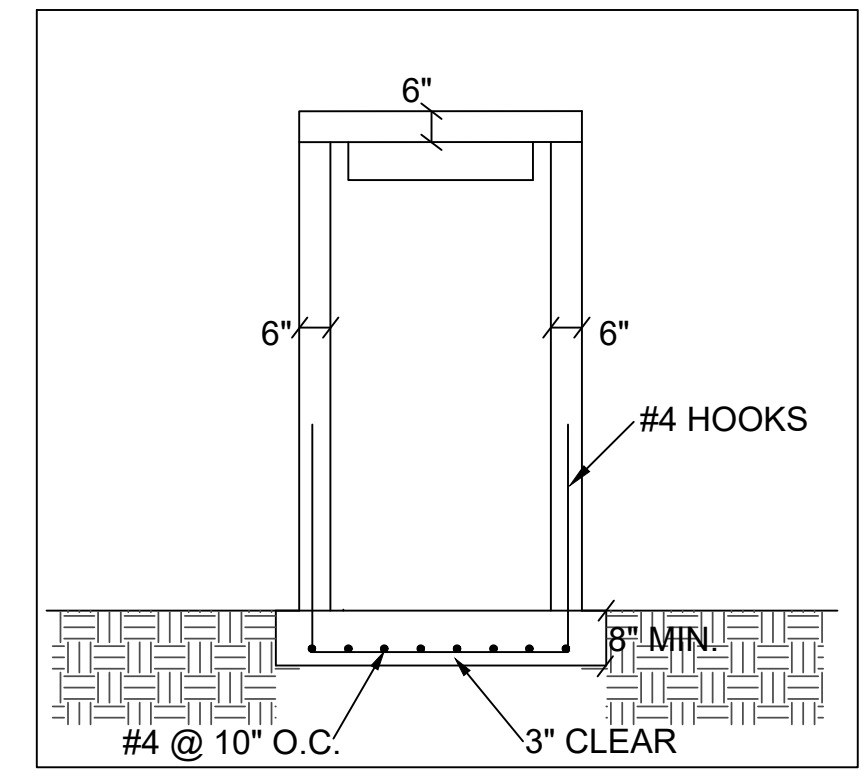
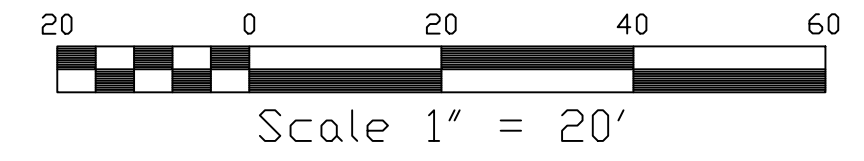
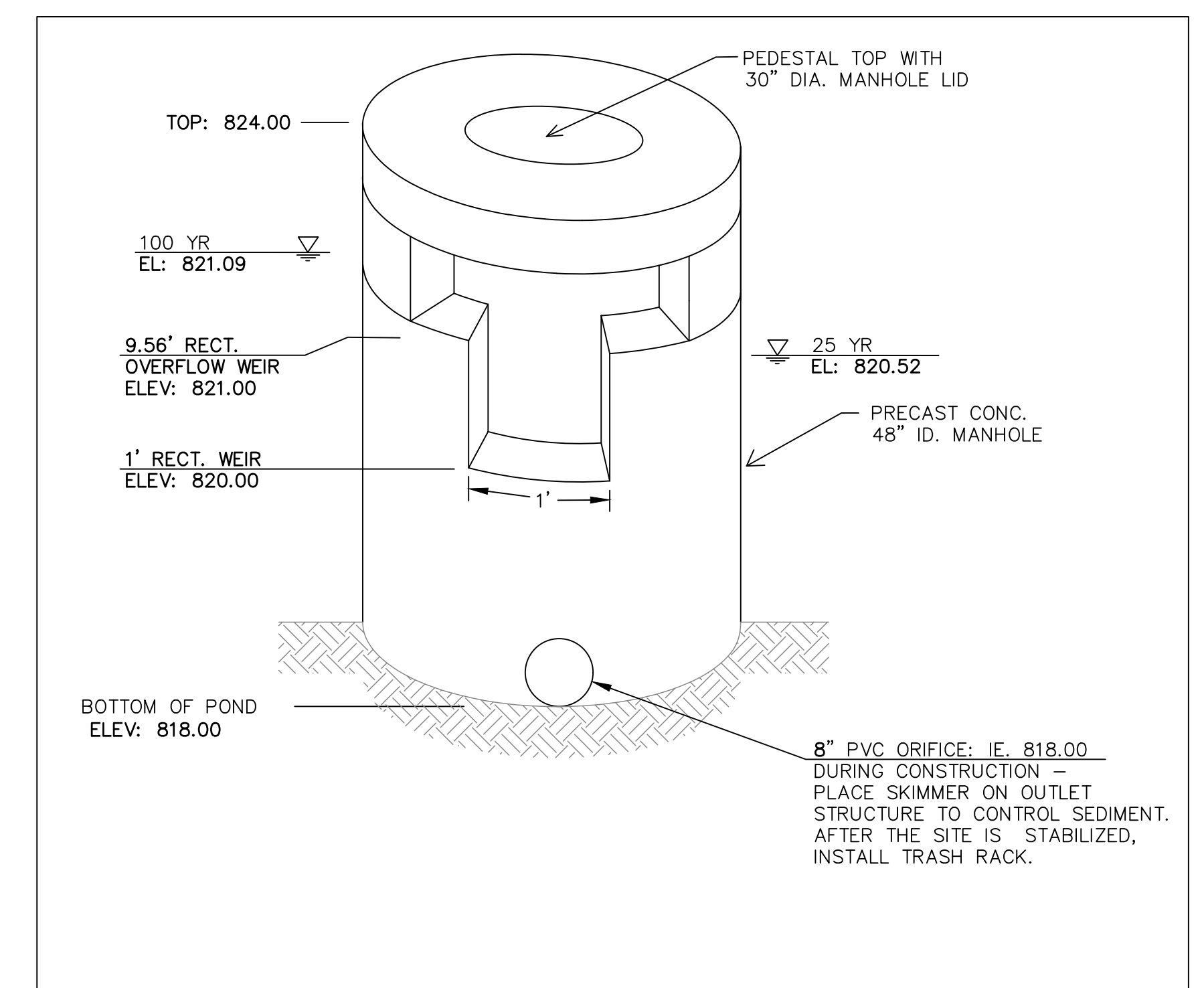
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	DRY DET. BASIN	160'	64'	4.0'	3:1

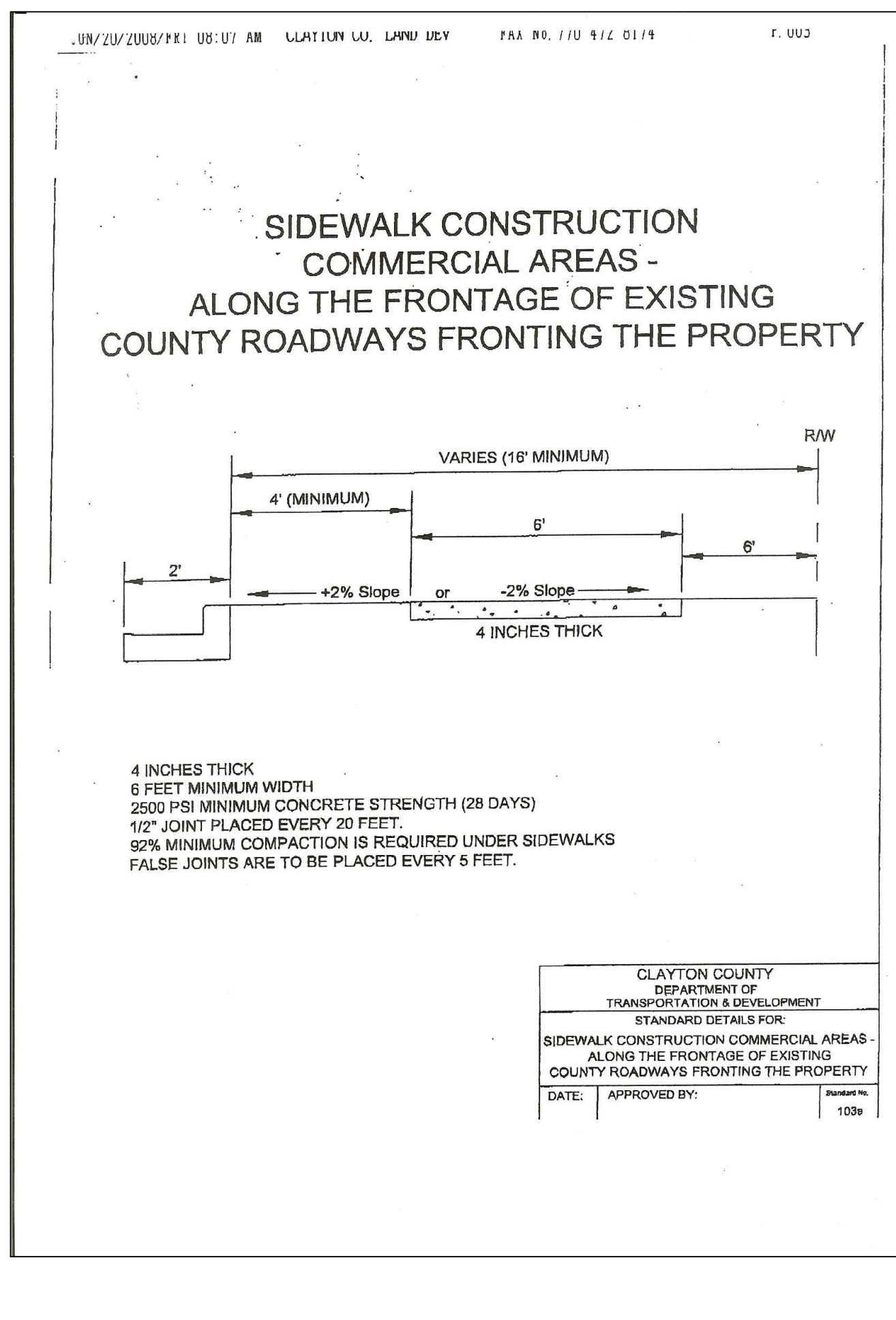
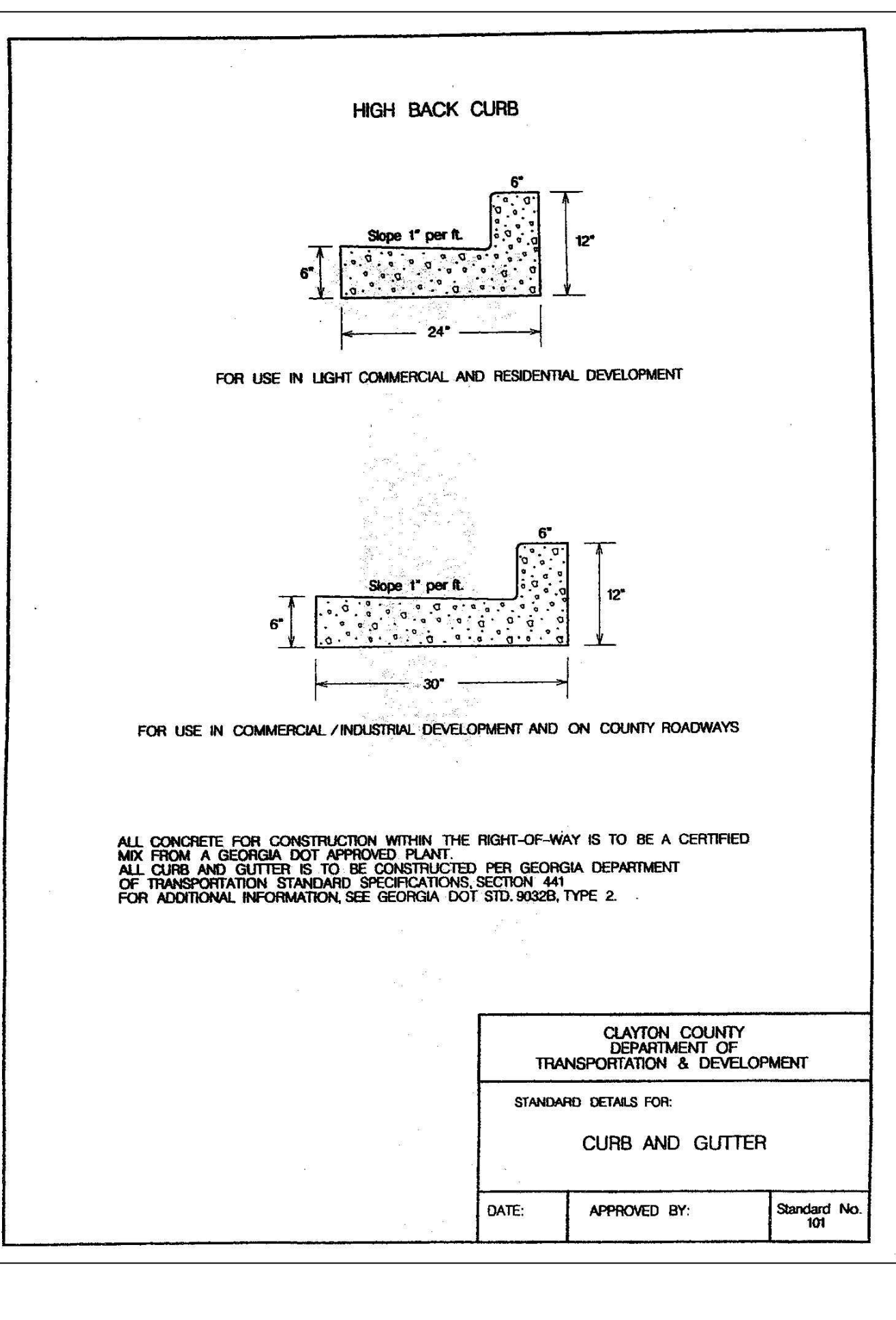
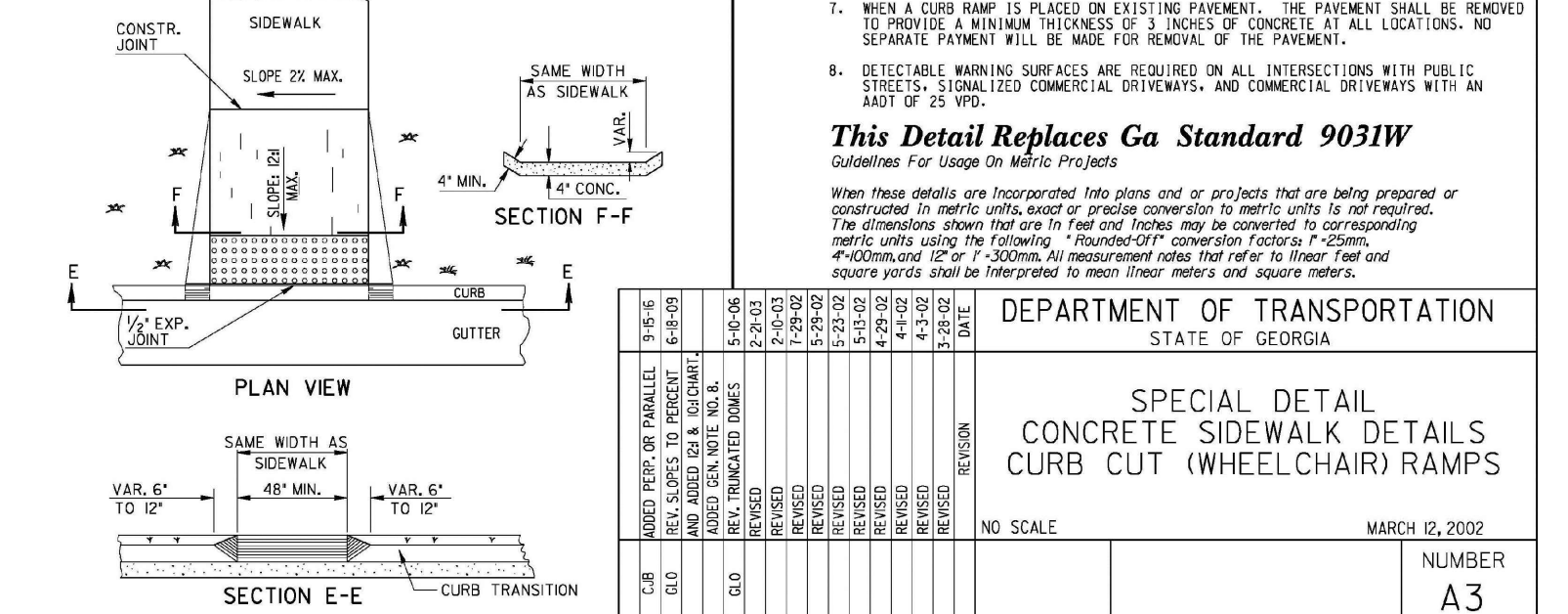
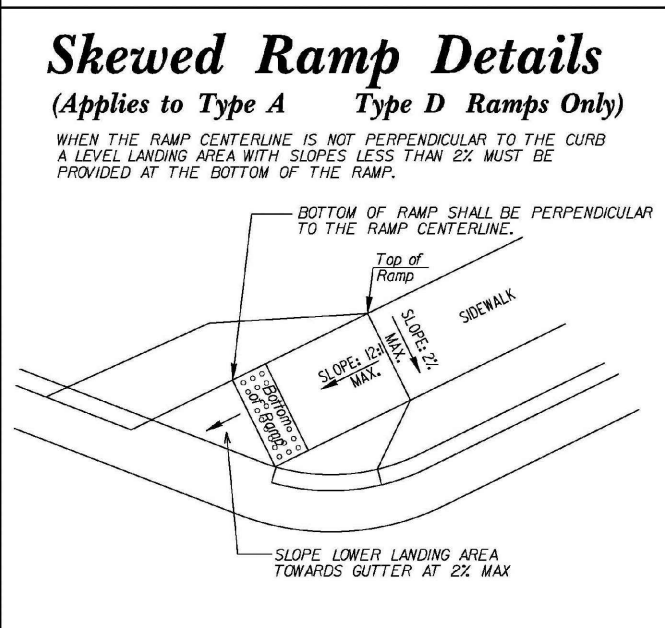
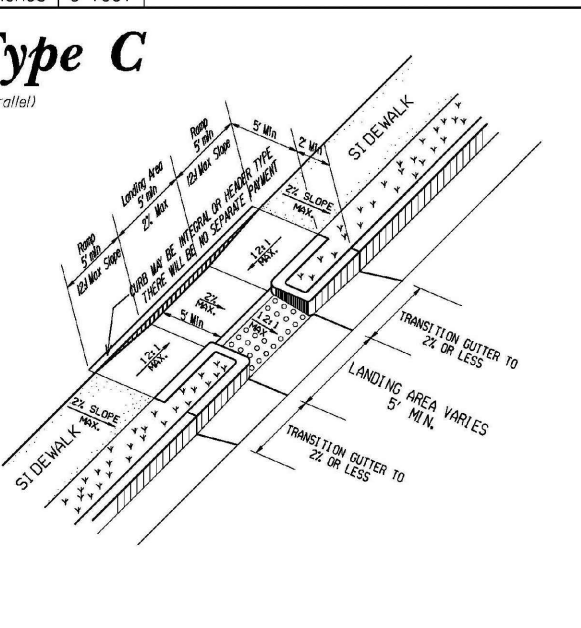
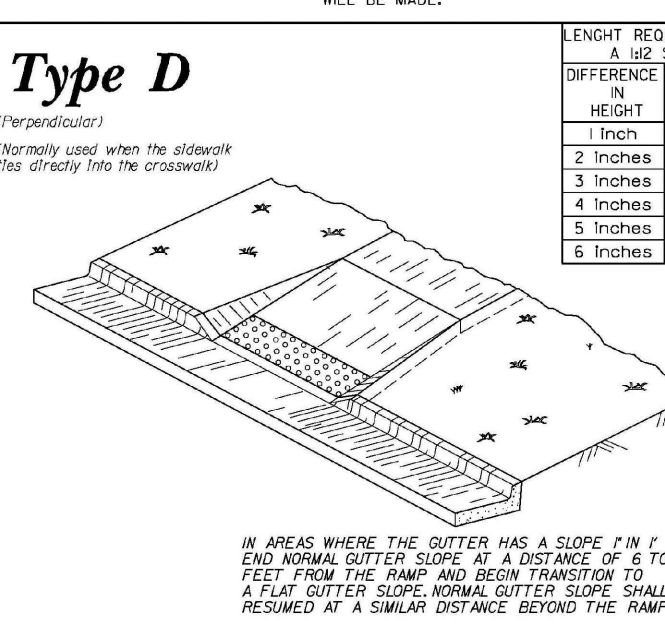
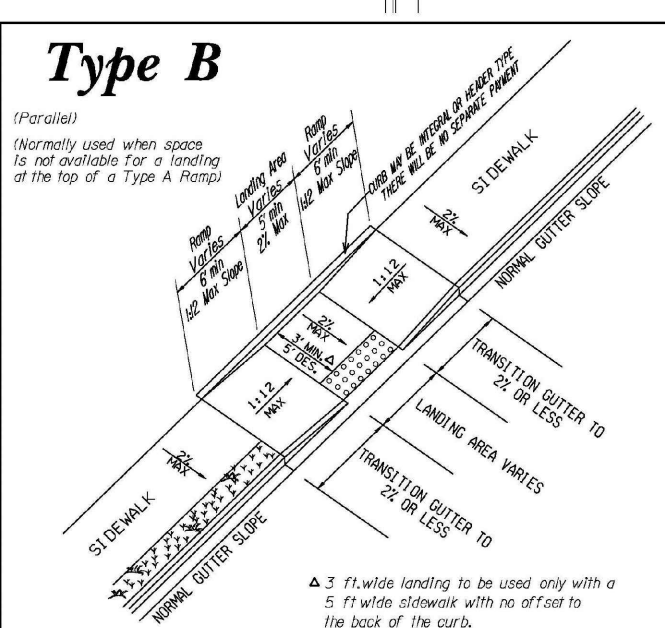
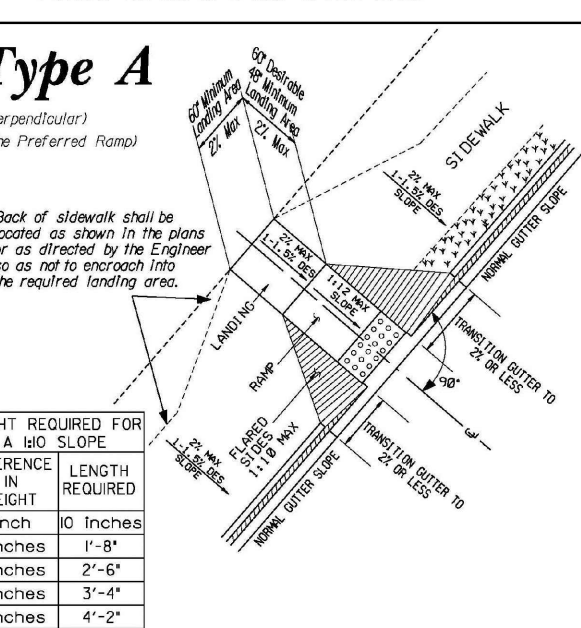
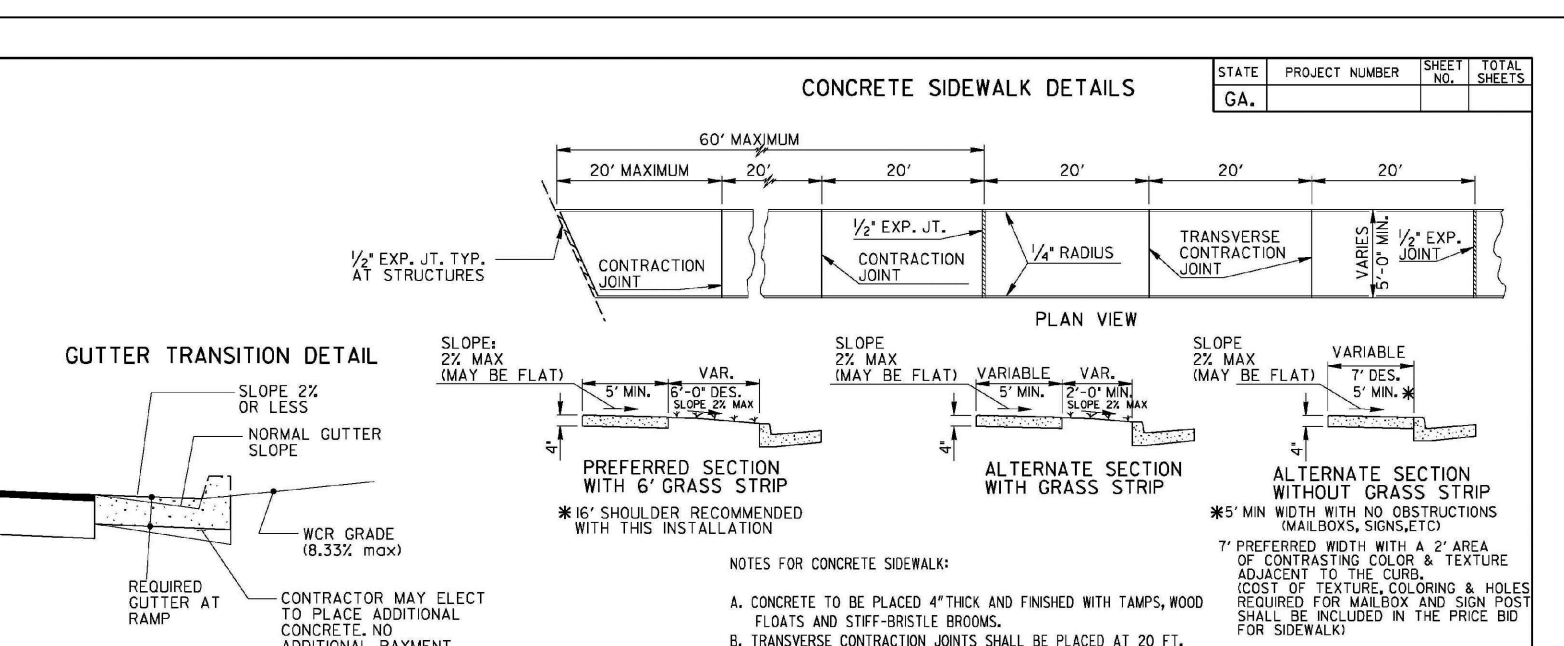
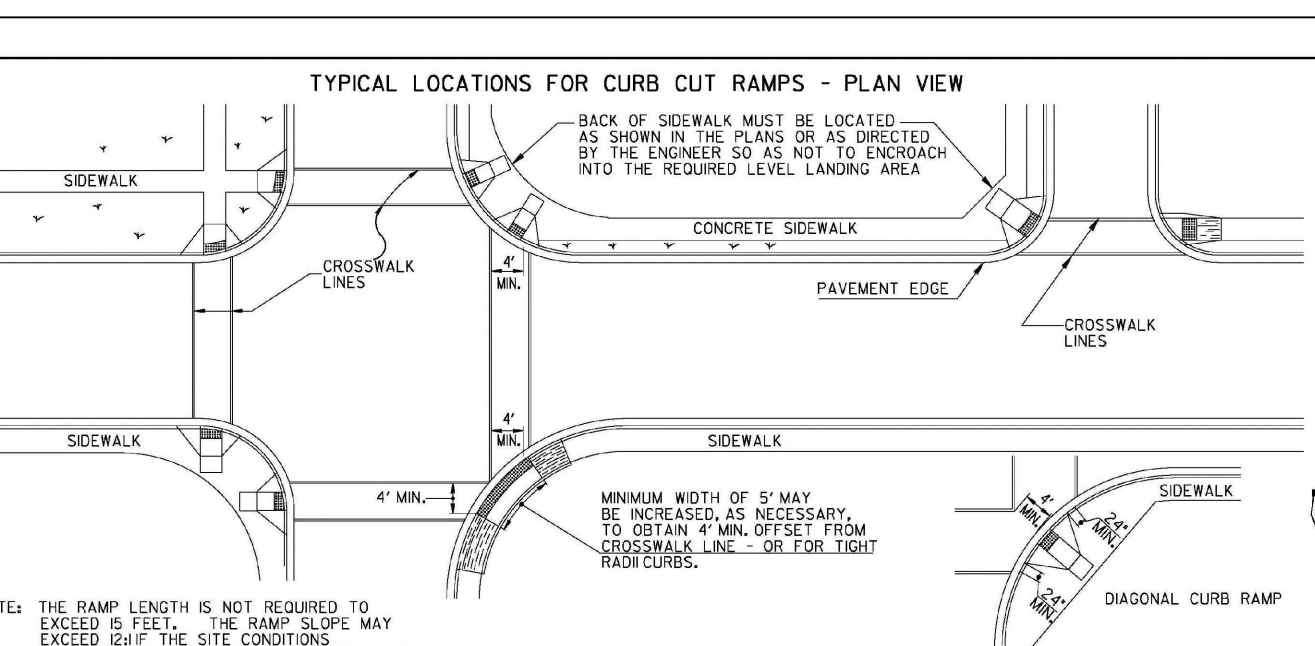
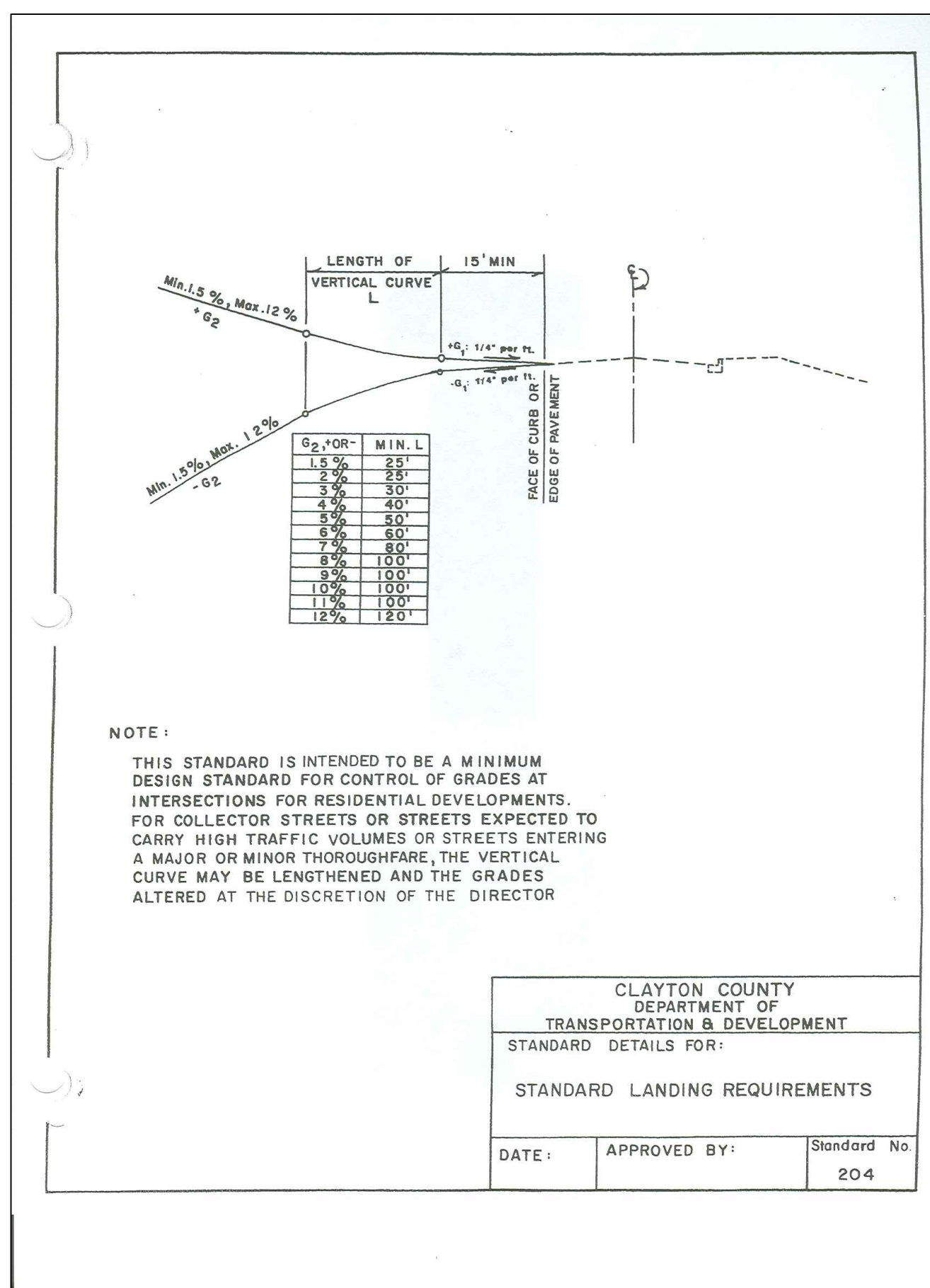
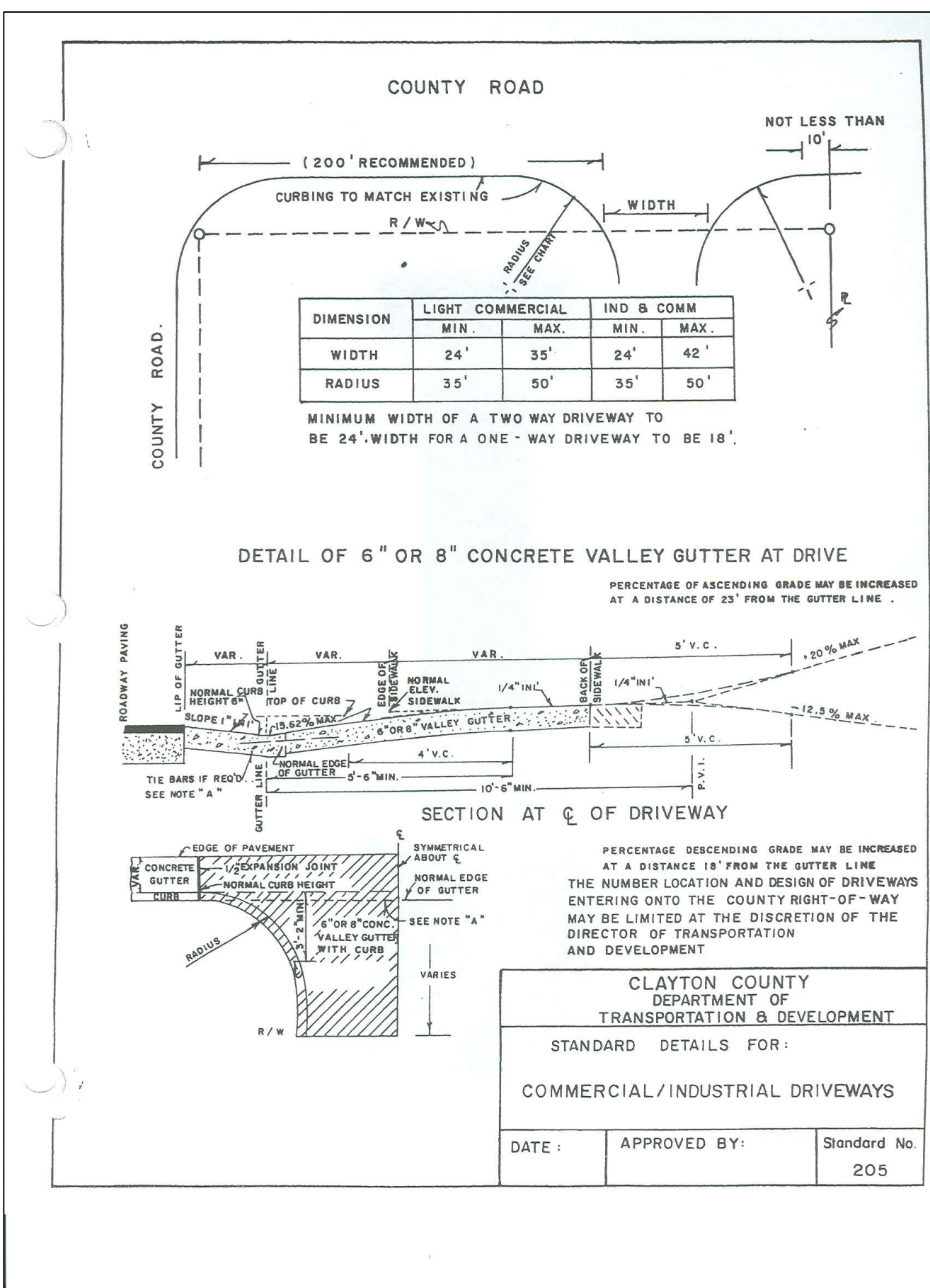
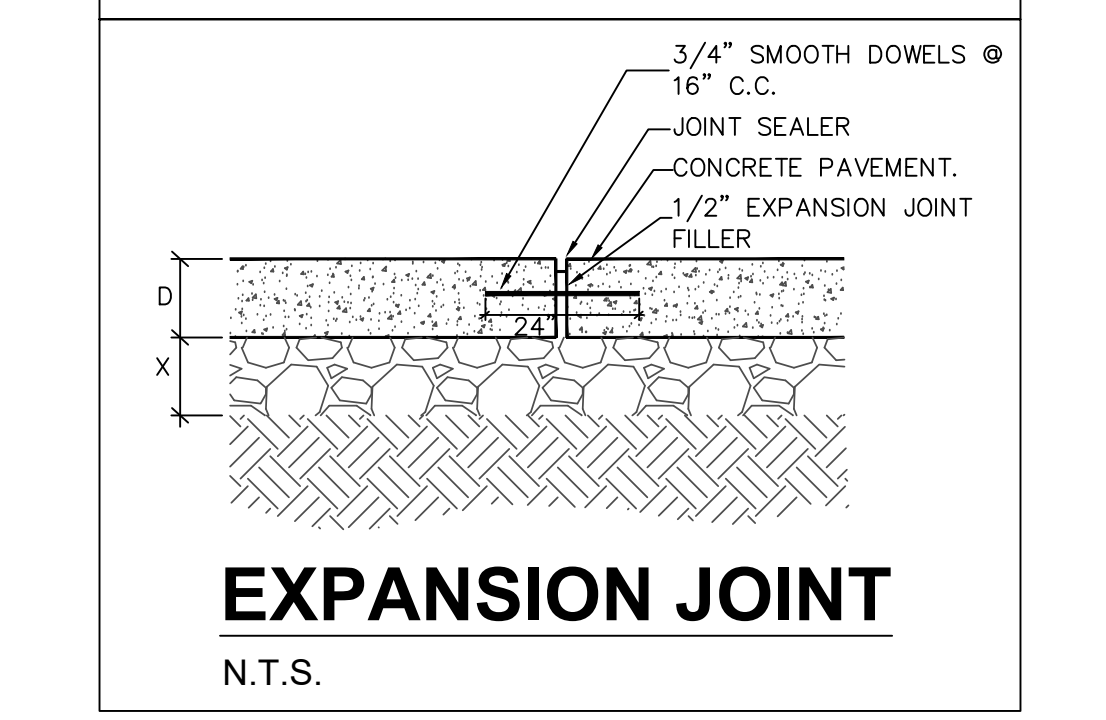
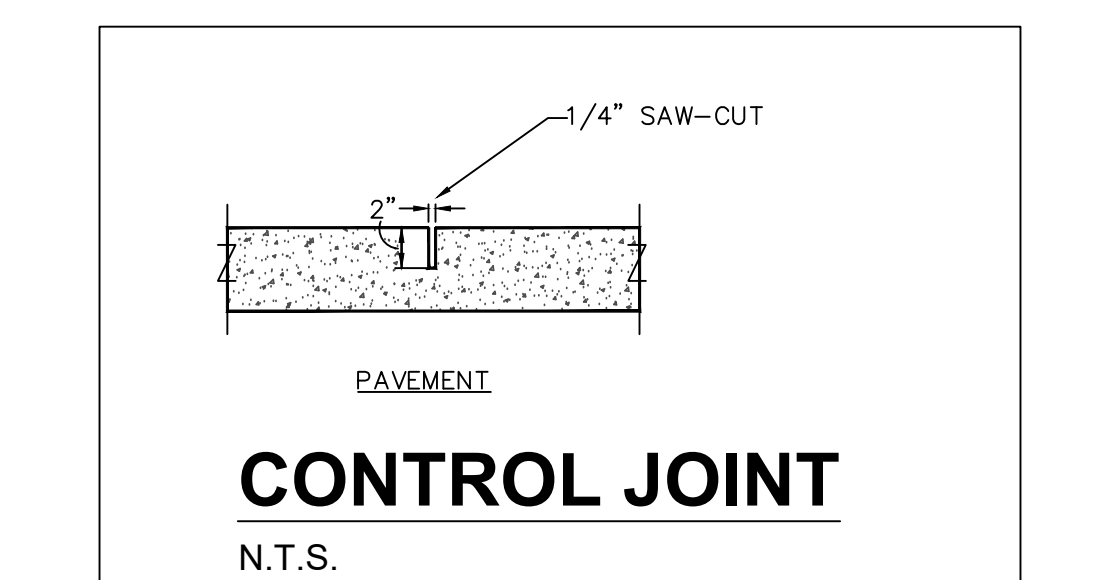
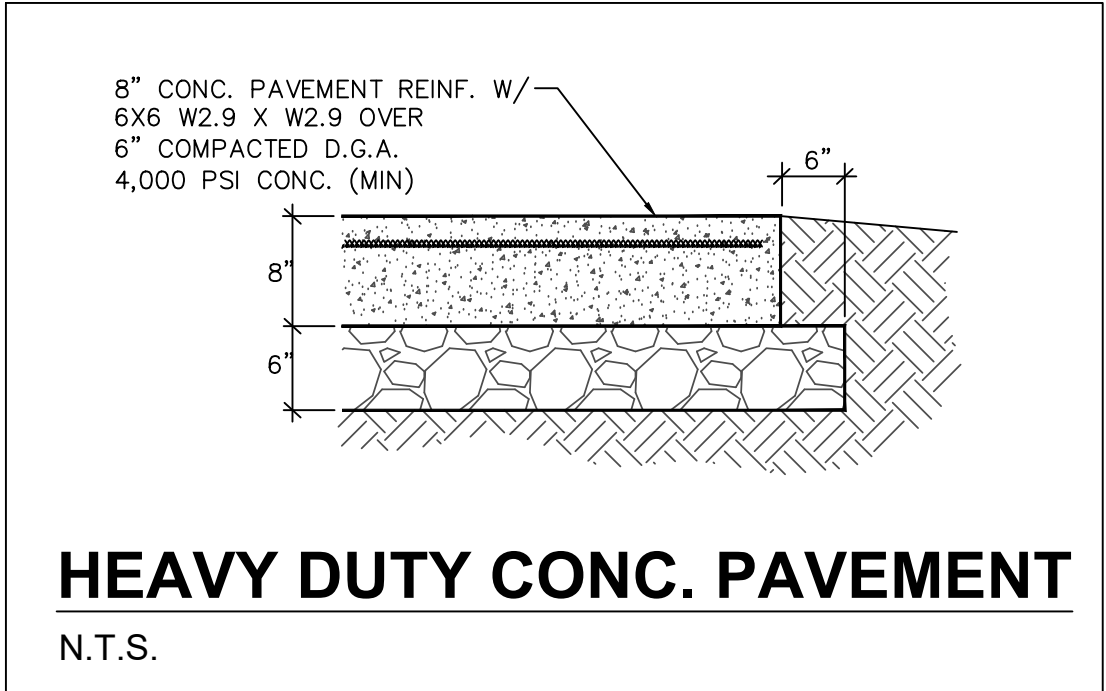
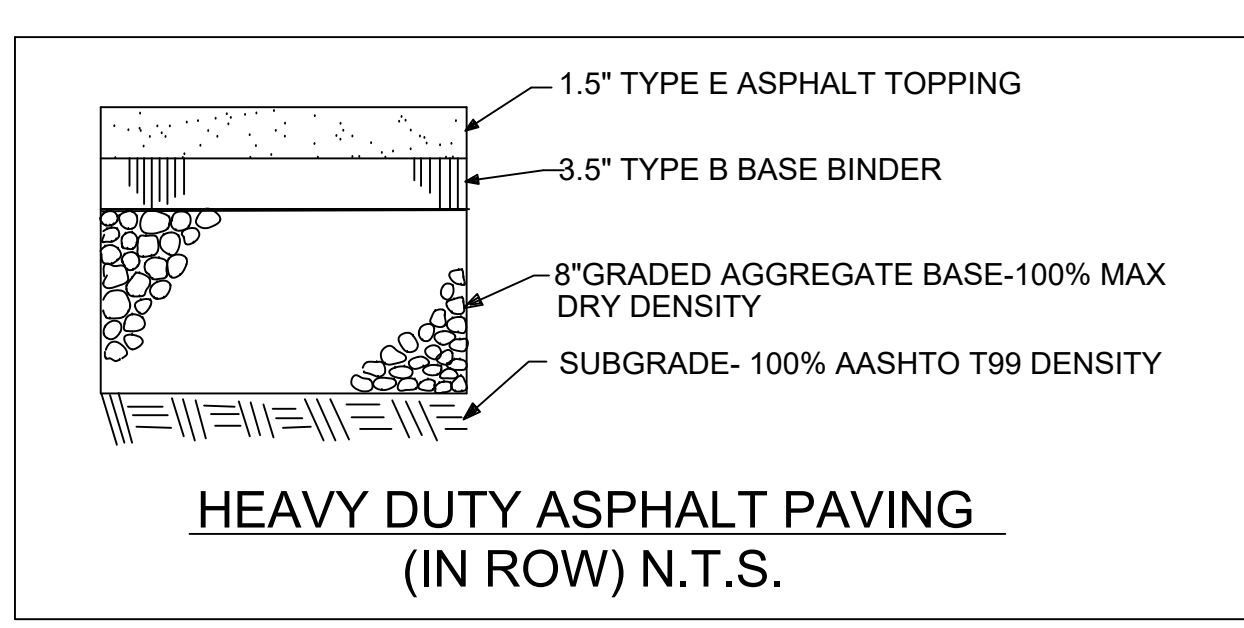
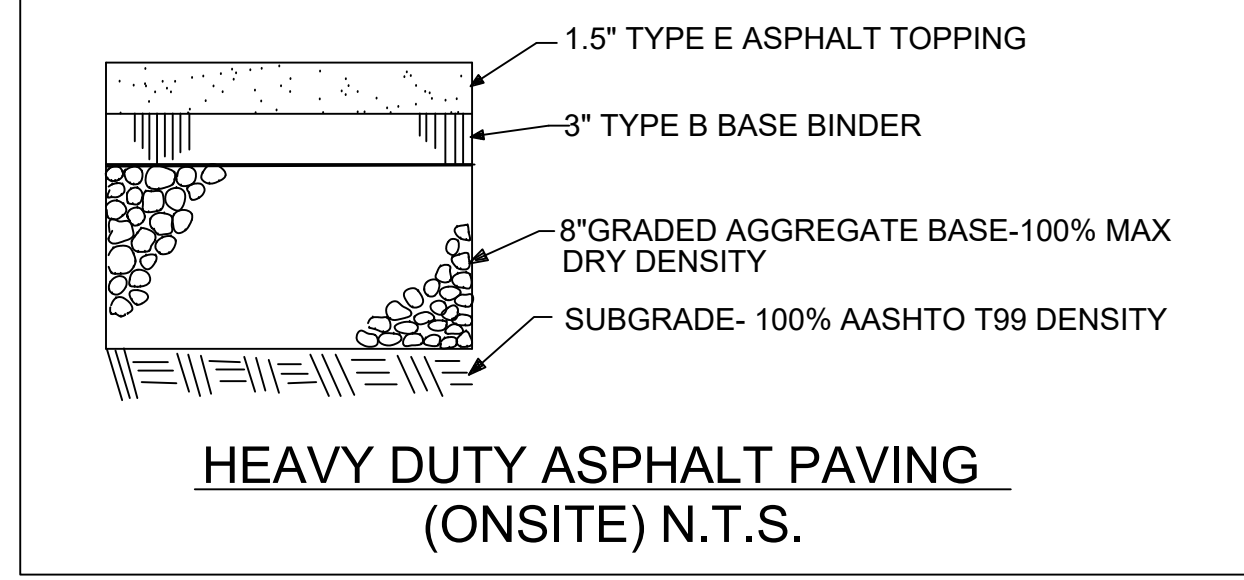
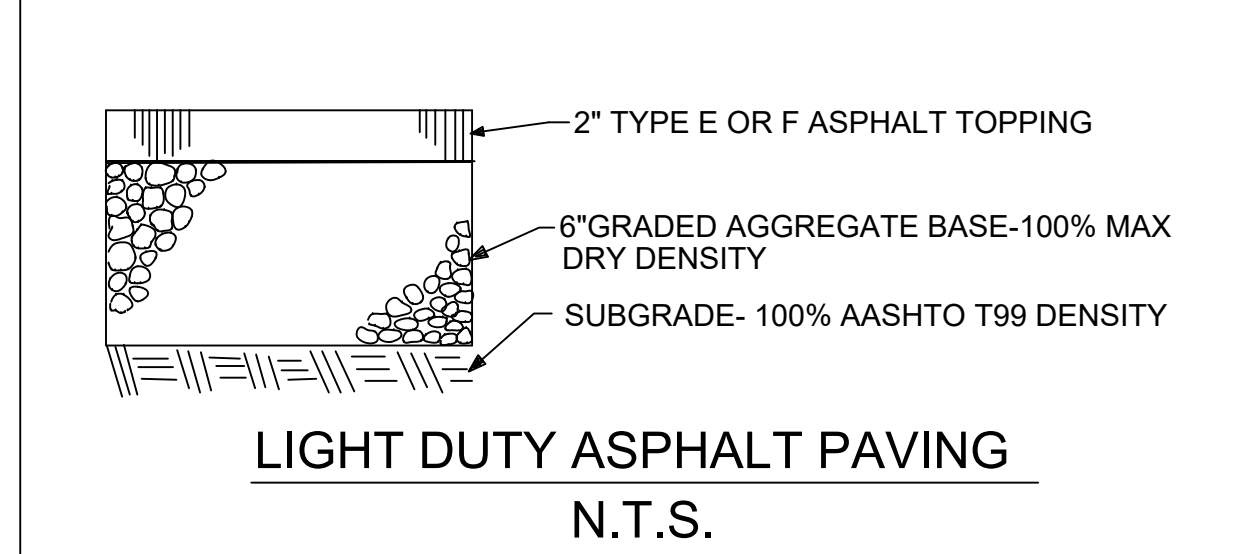
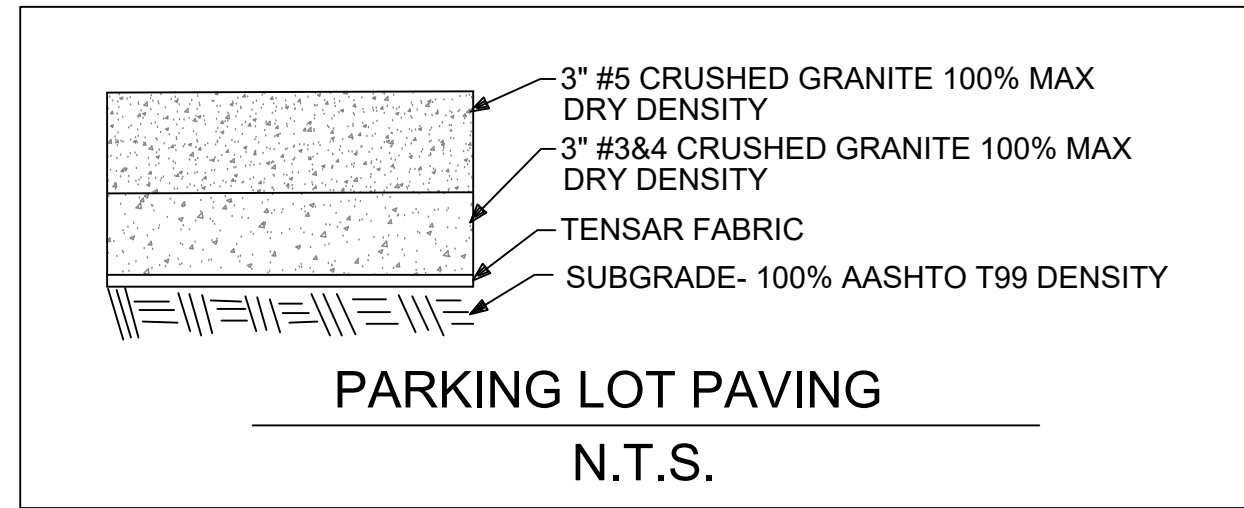
BMP ID	BMP TYPE	DIMENSIONS			
		MAX. LENGTH	MAX. WIDTH	MAX. DEPTH	MAX. SIDE SLP
	INFILTRATION TRENCH	233'	16'	2.0'	3:1

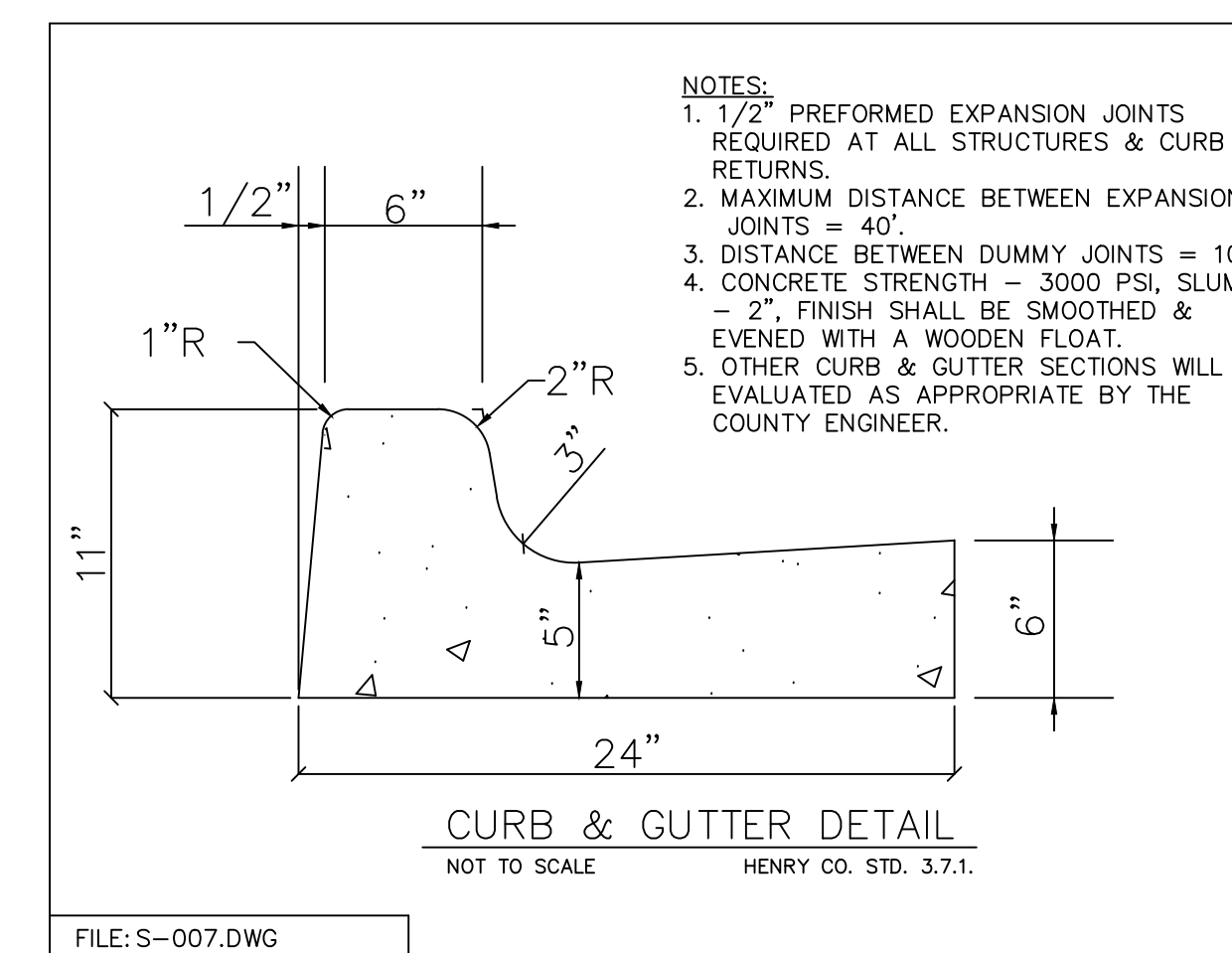
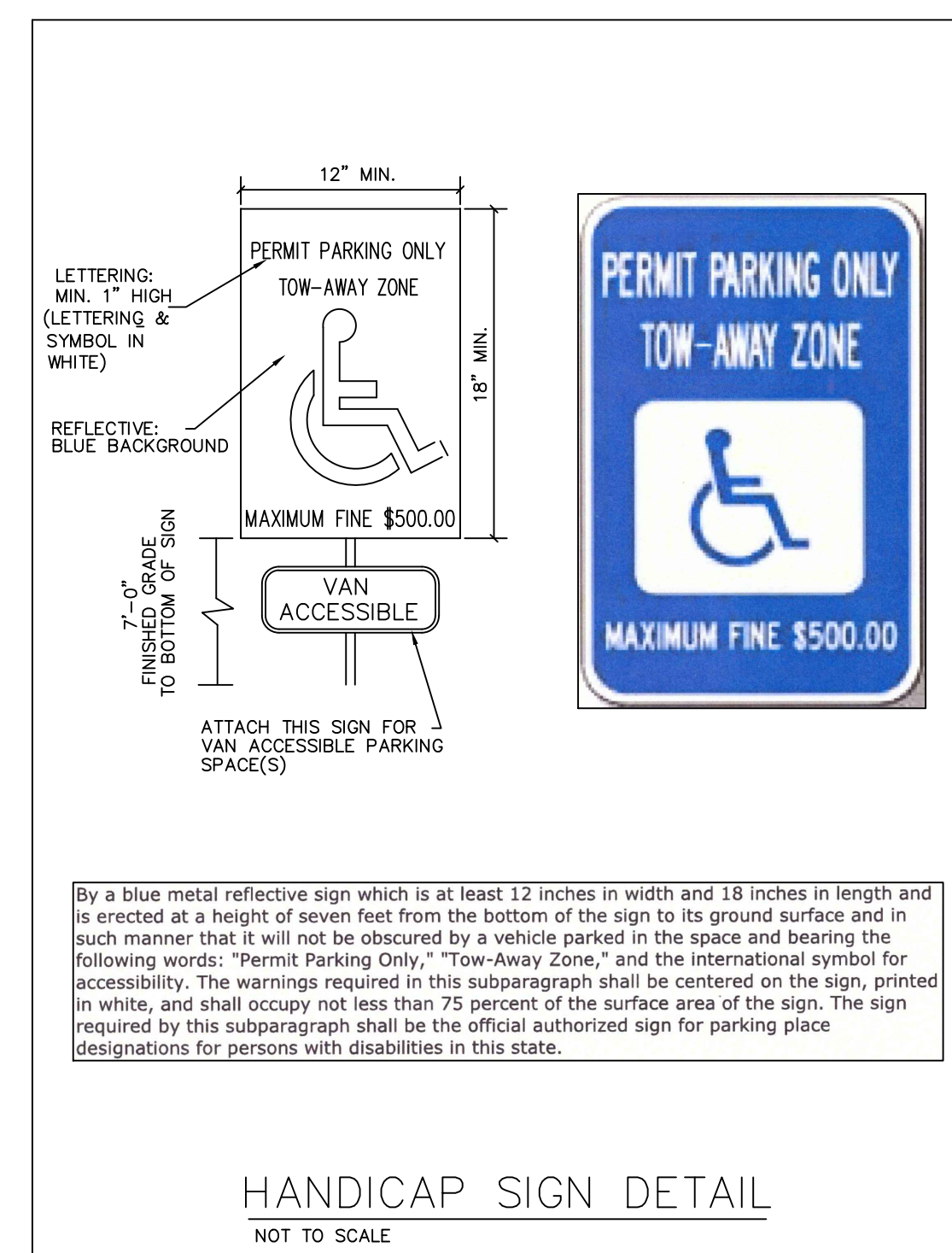
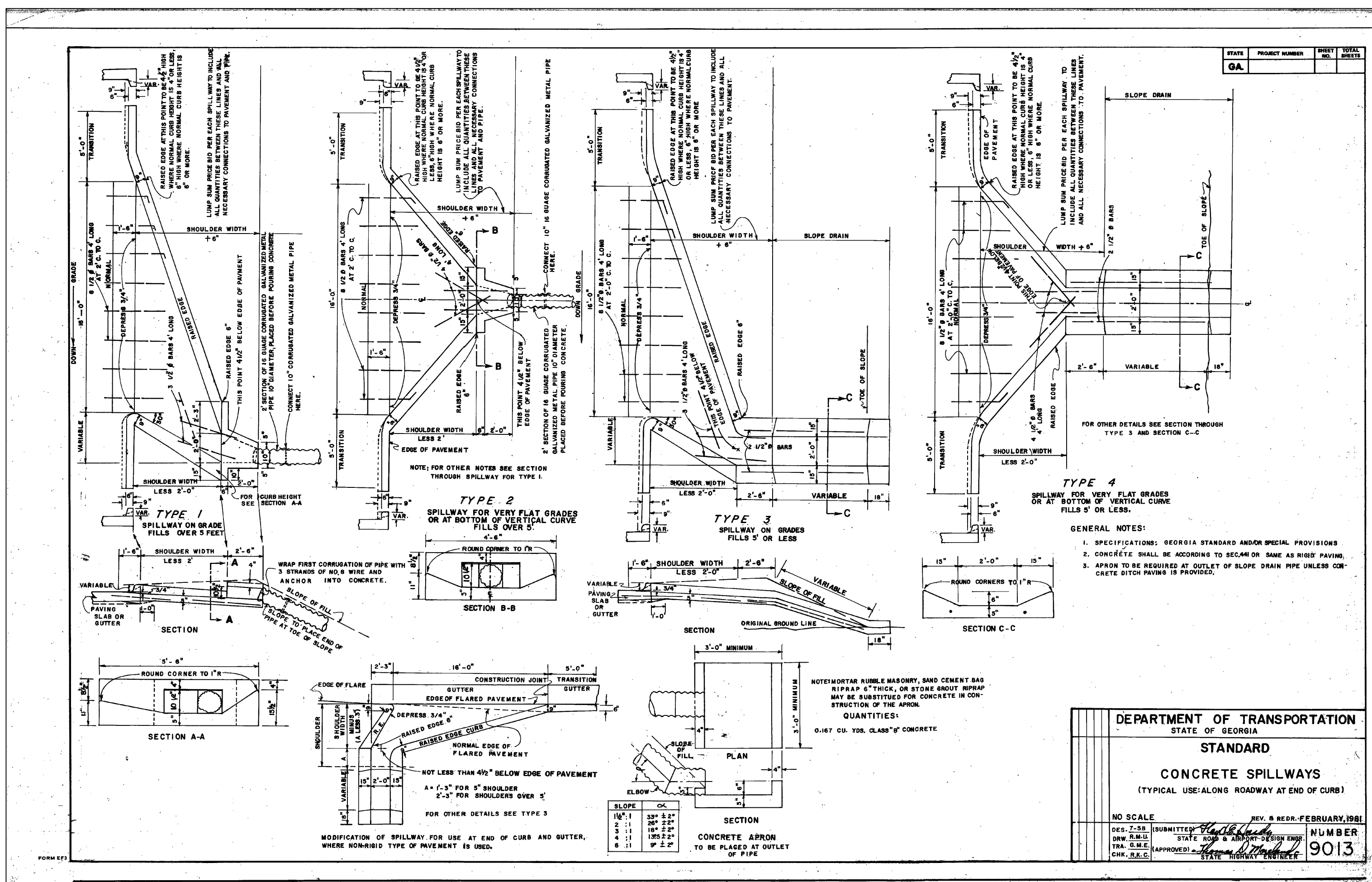
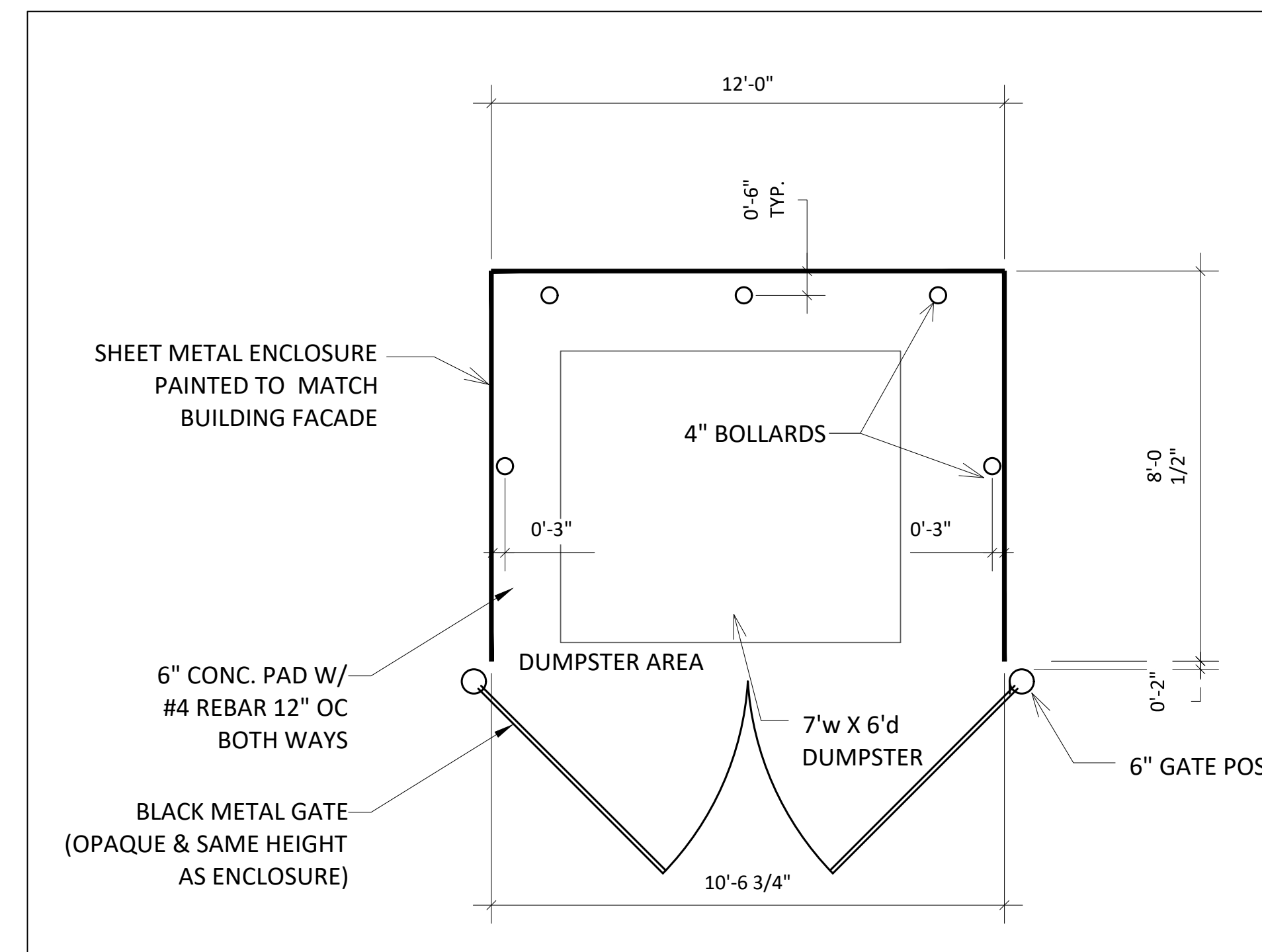
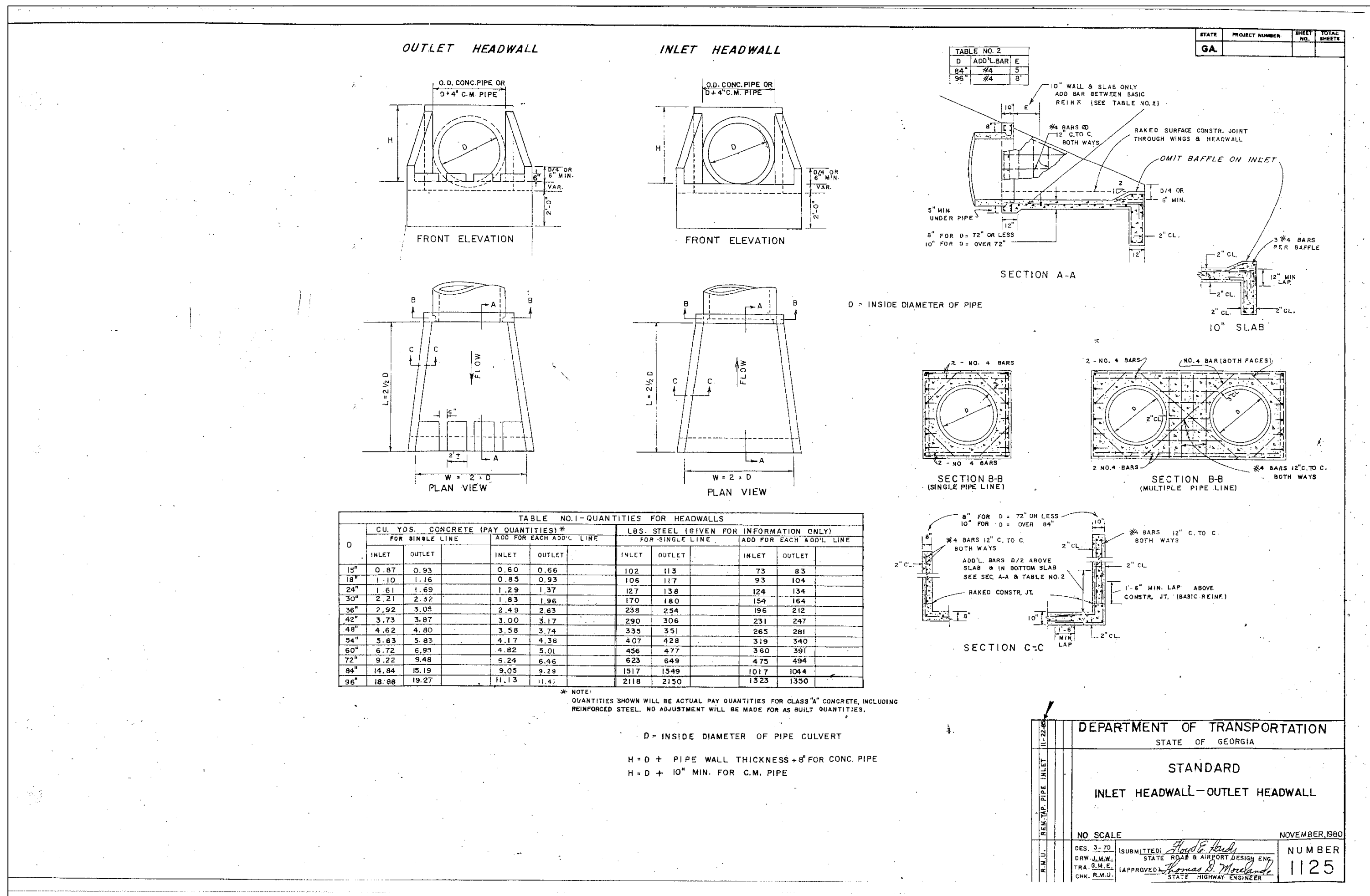
NOTES:
- DURING CONSTRUCTION - LEAVE 8" ORIFICE OPEN AND USE A SKIMMER DEVICE ON THE OUTLET STRUCTURE TO CONTROL THE SEDIMENT. AFTER THE SITE IS STABILIZED, REMOVE SKIMMER.
- CONTRACTOR TO INSTALL A SEDIMENT CLEANOUT MARKER.
- OCS TRASH RACK TO BE INSTALLED AFTER THE SITE HAS BEEN STABILIZED AND THE SKIMMER HAS BEEN REMOVED.

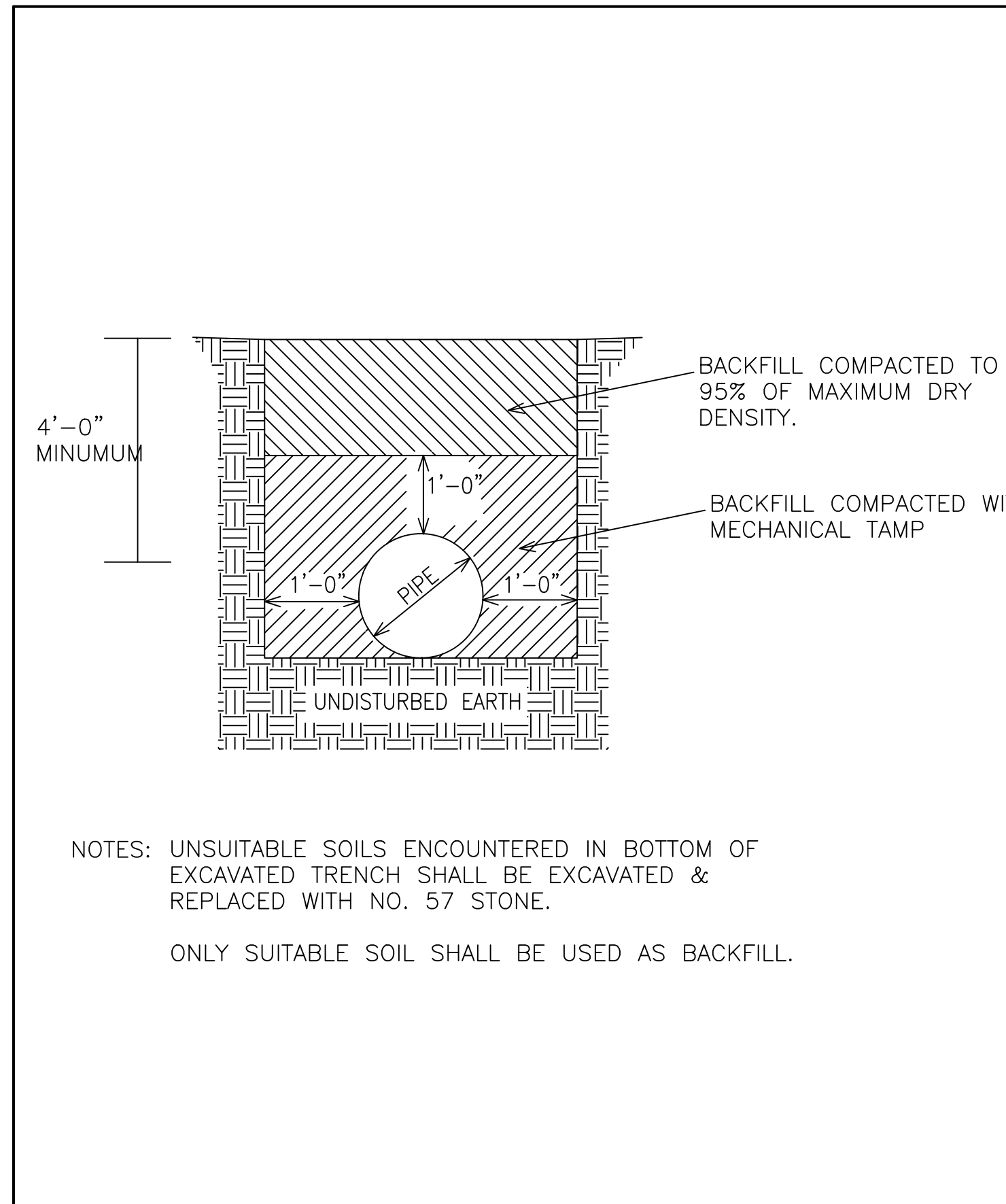
Typical Maintenance Activities for Dry Detention Basins	
Activity	Schedule
<ul style="list-style-type: none"> Remove debris from basin surface to minimize outlet clogging and improve aesthetics. Note erosion of detention basin banks or bottom. Inspect for damage to the embankment. Monitor for sediment accumulation in the facility and forebay. Examine to ensure that inlet and outlet devices are free of debris and operational. 	Annually and following significant storm events
<ul style="list-style-type: none"> Remove sediment build-up.. Repair and revegetate undercut and/or eroded areas. Perform structural repairs to inlet and outlets. Repair undercut or eroded areas. Mow side slopes. Seed or sod to restore dead or damaged ground cover. 	As needed based on inspection
<ul style="list-style-type: none"> Mow to limit unwanted vegetation. Litter/ debris removal. 	Routine

Typical Maintenance Activities for Infiltration Trench	
Maintenance Activity	Schedule
<ul style="list-style-type: none"> Inspect to ensure that contributing drainage area and infiltration practice are clear of sediment, trash and debris. Remove any accumulated sediment and debris. Ensure that the contributing drainage area is stabilized. Plant replacement vegetation as needed. Check observation well to ensure that infiltration practice is properly dewatering after storm events. 	Monthly
<ul style="list-style-type: none"> Inspect pretreatment devices for sediment accumulation. Remove accumulated sediment, trash and debris. Inspect top layer of filter fabric and pea gravel or landscaping for sediment accumulation. Remove and replace if clogged. Inspect the practice for damage, paying particular attention to inlets, outlets and overflow spillways. Repair or replace any damaged components as needed. Inspect the practice following rainfall events (specifically large rainfall events). Check observation well to ensure that complete drawdown has occurred within 72 hours after the end of a rainfall event. Failure to drawdown within this timeframe may indicate infiltration practice failure. 	(Semi-annually the first year & Annually thereafter)
<ul style="list-style-type: none"> Remove aggregate and install clean, washed trench aggregate It may be necessary to replace piping, filter fabric, etc. 	Upon Failure

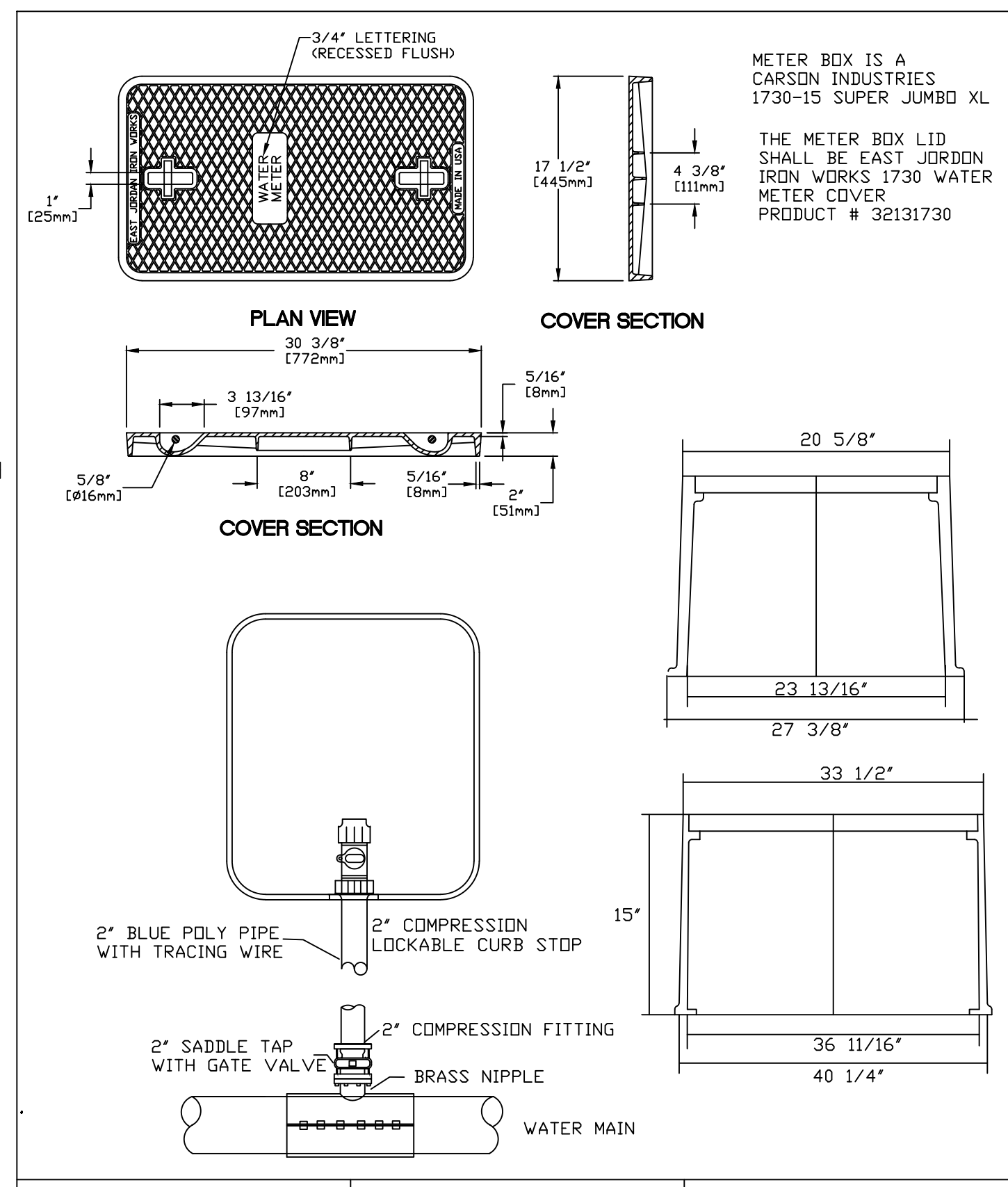




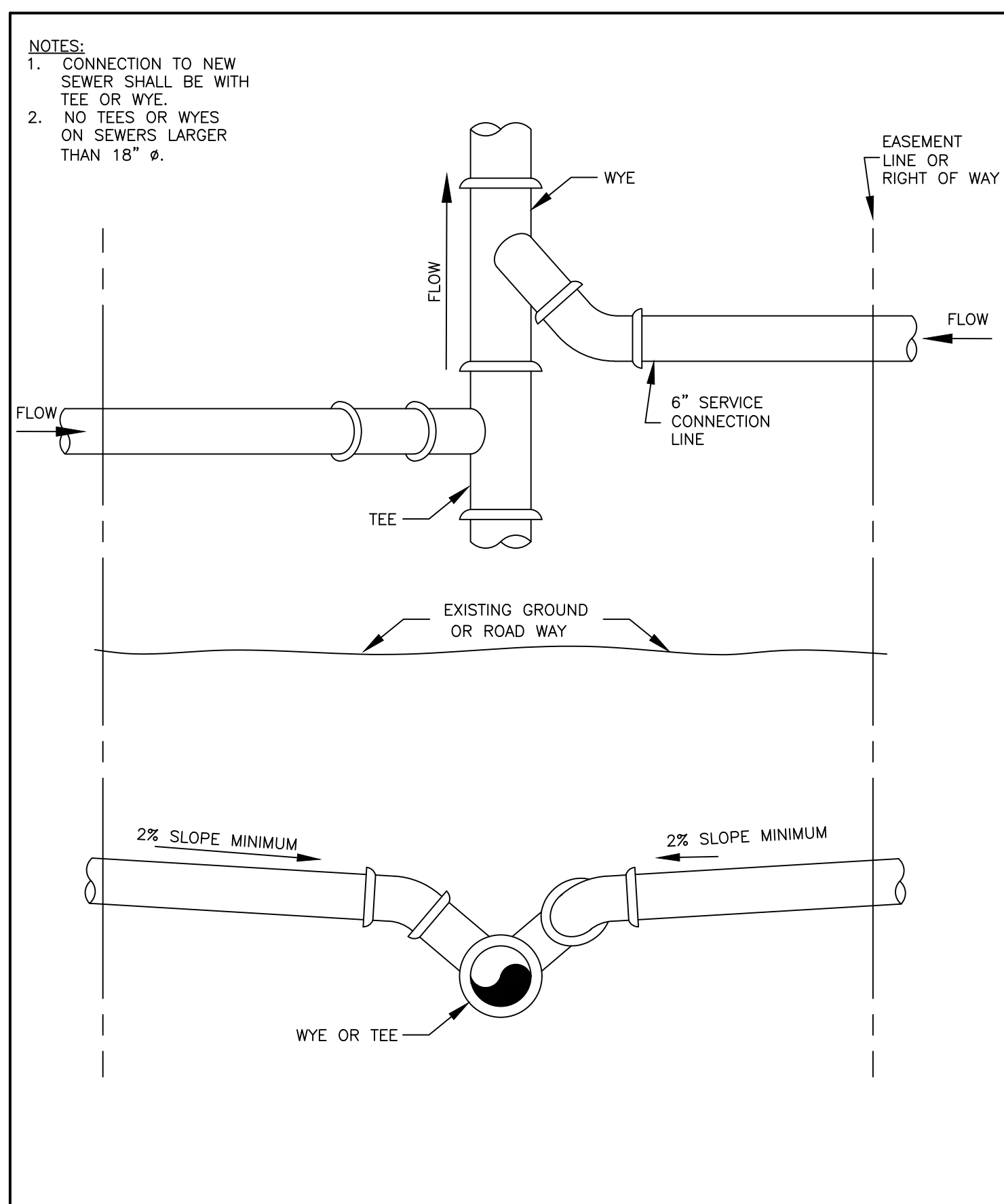
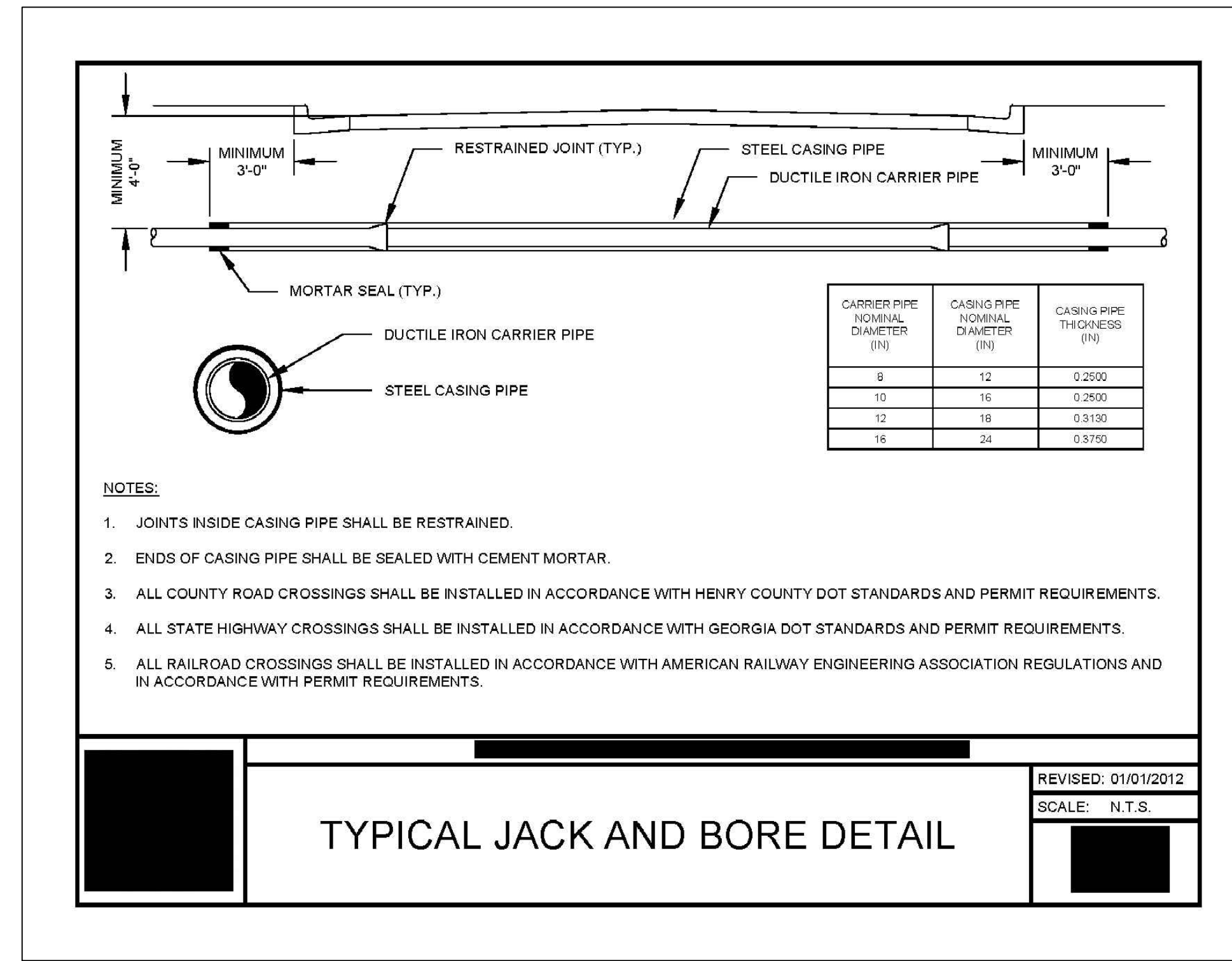




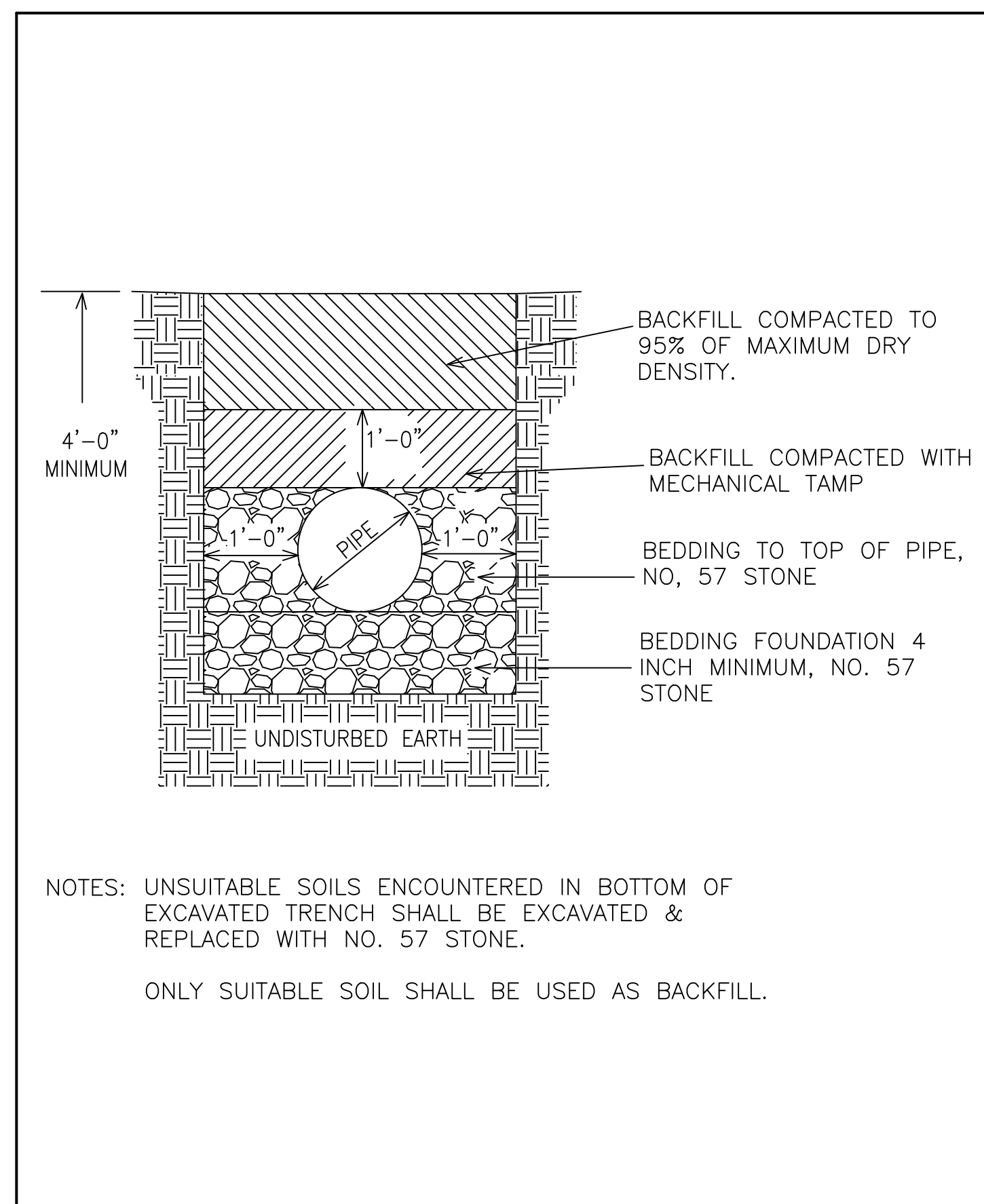
CLAYTON COUNTY WATER AUTHORITY			
DATE:	12 FEBRUARY 2002	DETAIL TITLE:	DETAIL No.
SCALE:	N.T.S.	TYPICAL DUCTILE IRON PIPE BEDDING	8.1
DRAWN BY:	SRD		



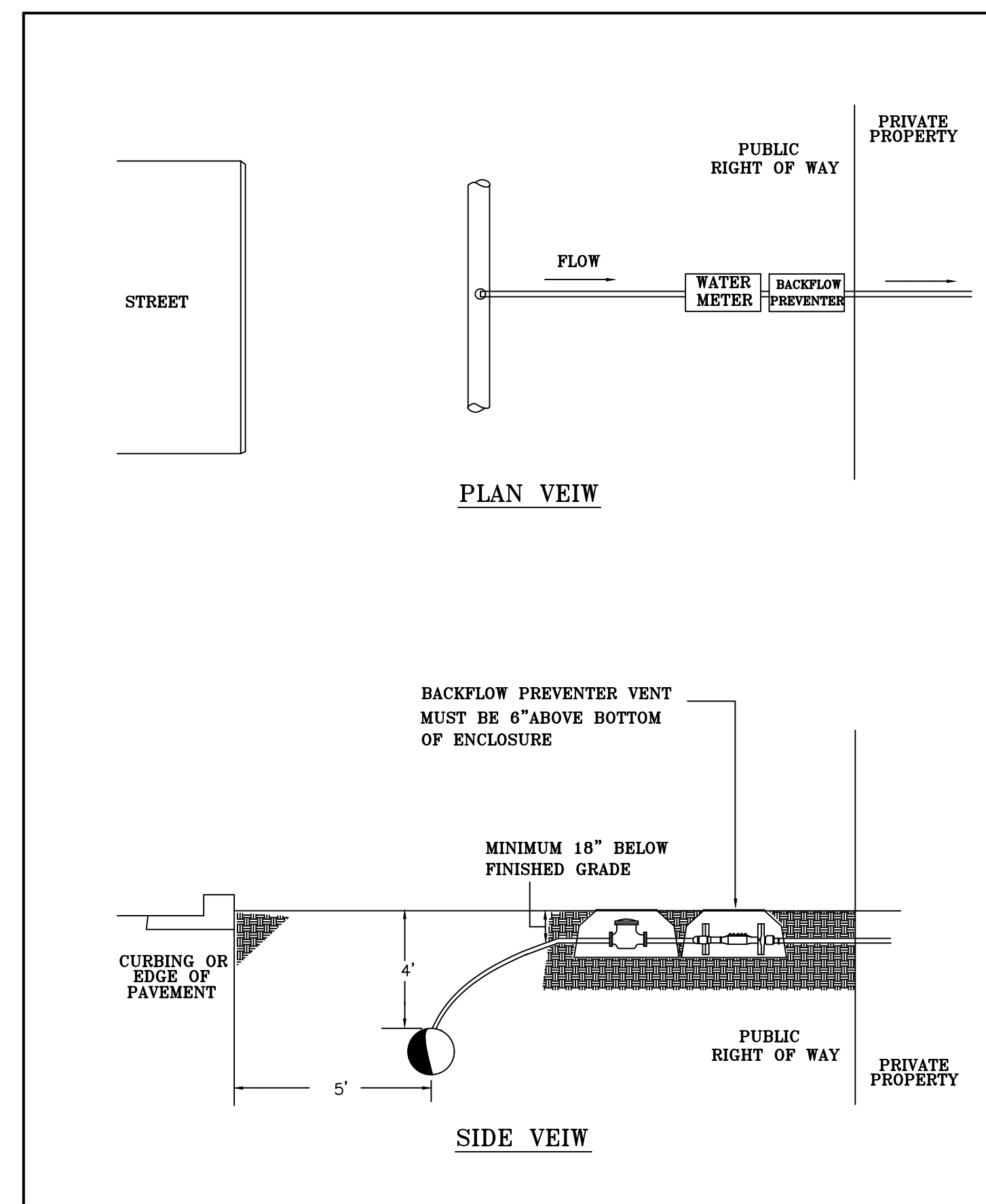
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DATE:	12 FEBRUARY 2002	DETAIL TITLE:	DETAIL No.
SCALE:	N.T.S.	TYPICAL P.V.C. SEWER PIPE BEDDING	18.1
DRAWN BY:	SRD		



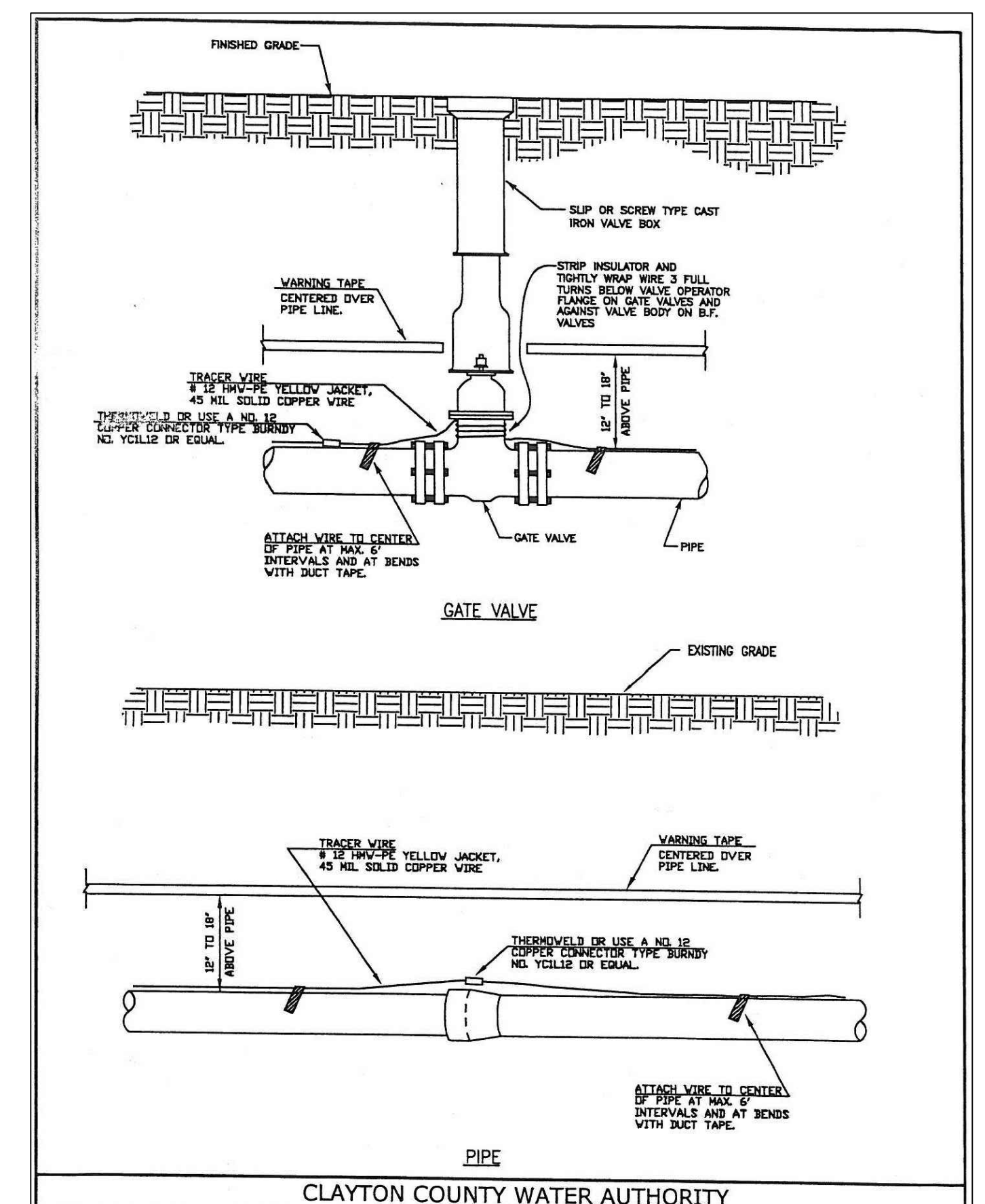
CLAYTON COUNTY WATER AUTHORITY			
DATE:	12 FEBRUARY 2002	DETAIL TITLE:	DETAIL No.
SCALE:	N.T.S.	LATERAL CONNECTION	19.1
DRAWN BY:	SRD		



CLAYTON COUNTY WATER AUTHORITY			
DATE:	12 FEBRUARY 2002	DETAIL TITLE:	DETAIL No.
SCALE:	N.T.S.	TYPICAL P.V.C. SEWER PIPE BEDDING	18.1
DRAWN BY:	SRD		



CLAYTON COUNTY WATER AUTHORITY			
DATE:	12 FEBRUARY 2002	DETAIL TITLE:	DETAIL No.
SCALE:	N.T.S.	WATER METER BOX	11.1
DRAWN BY:	SRD		



CLAYTON COUNTY WATER AUTHORITY			
DATE:	12 FEBRUARY 2002	DETAIL TITLE:	DETAIL No.
SCALE:	N.T.S.	PIPE DETECTION	2.2
DRAWN BY:	WWB		

Paramount ENGINEERING, LLC

PH: (770)-473-9576
george@paramountengineering.com

11 E. BROAD ST.
NEWNAN, GA. 30263

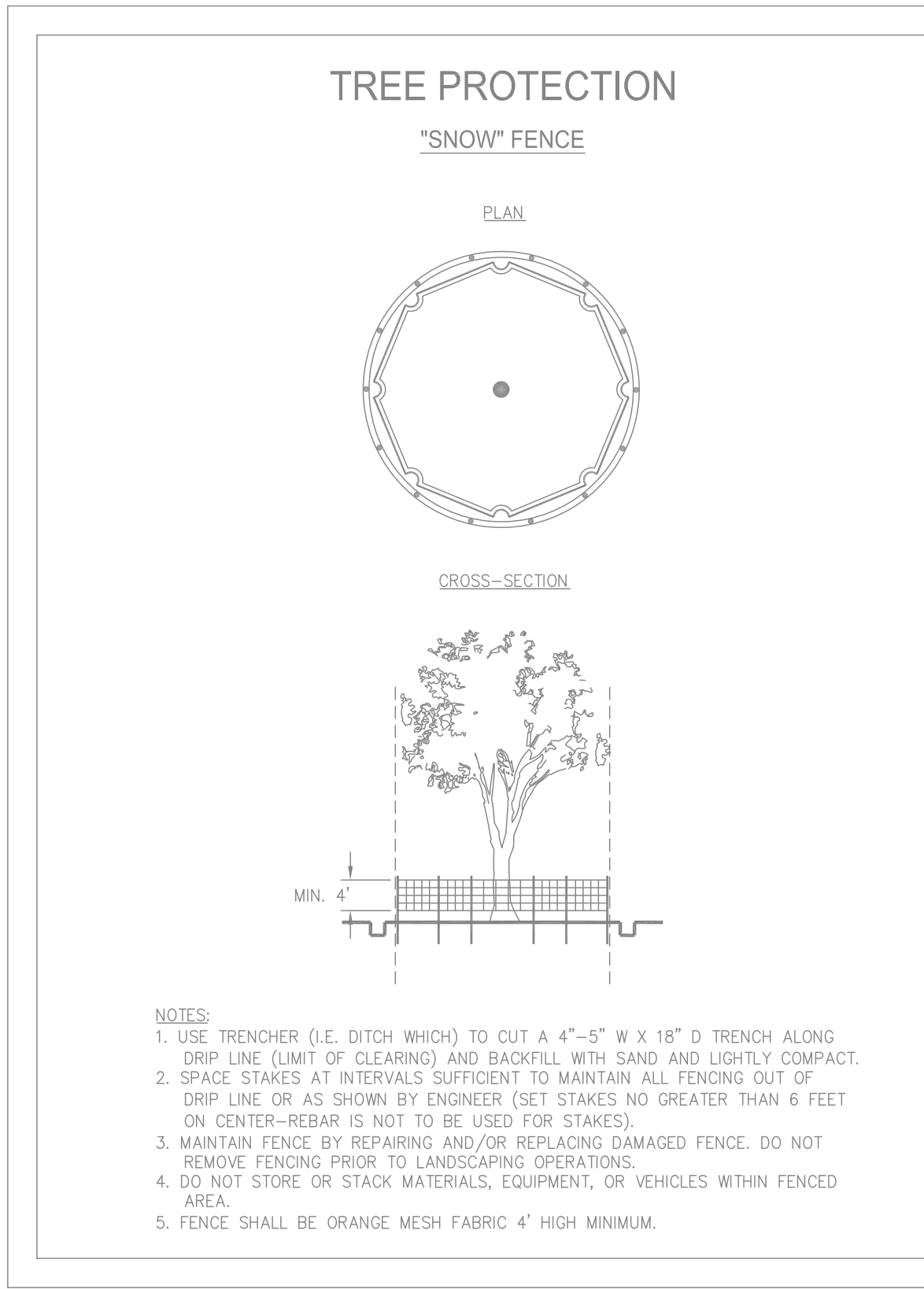
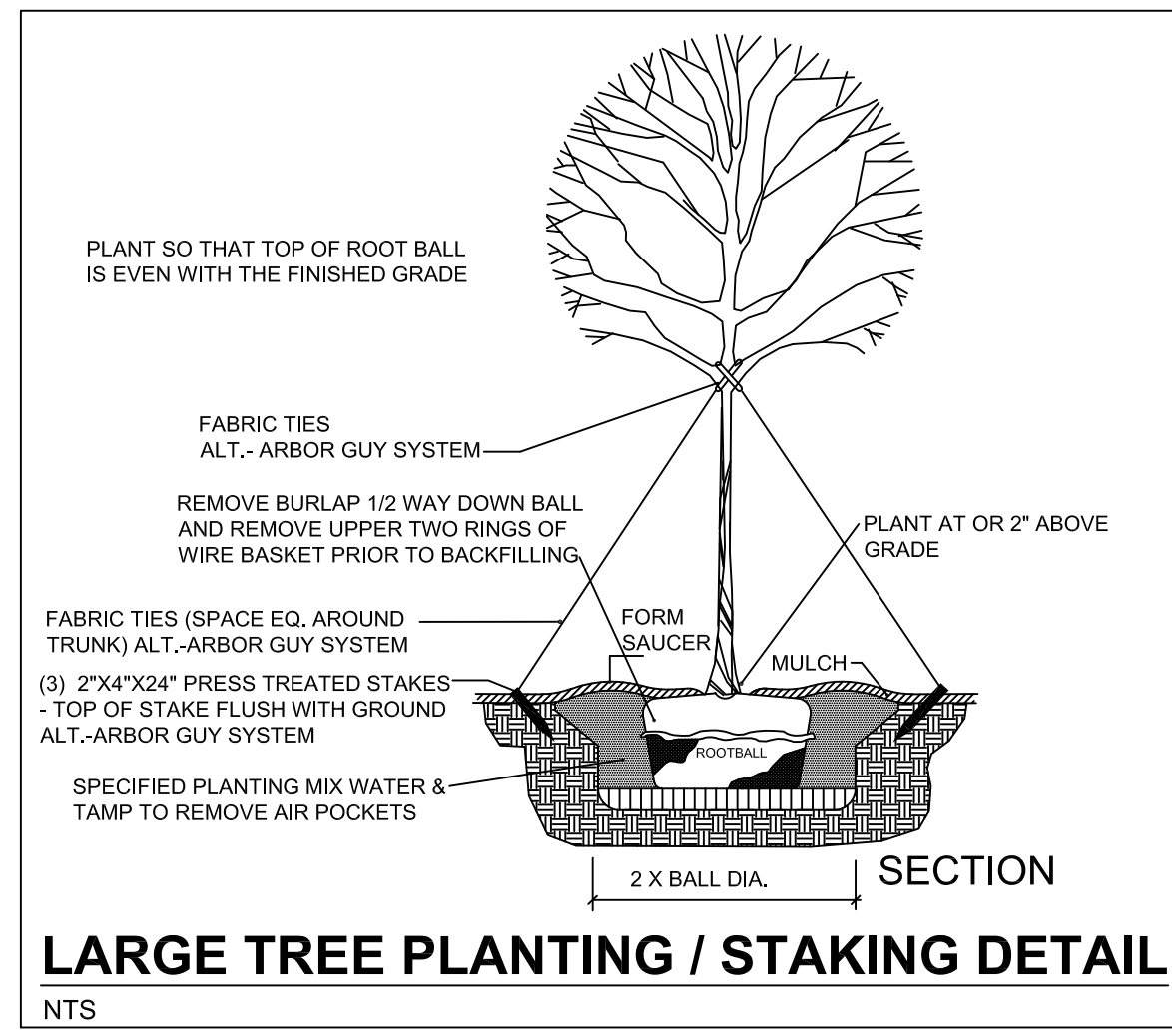
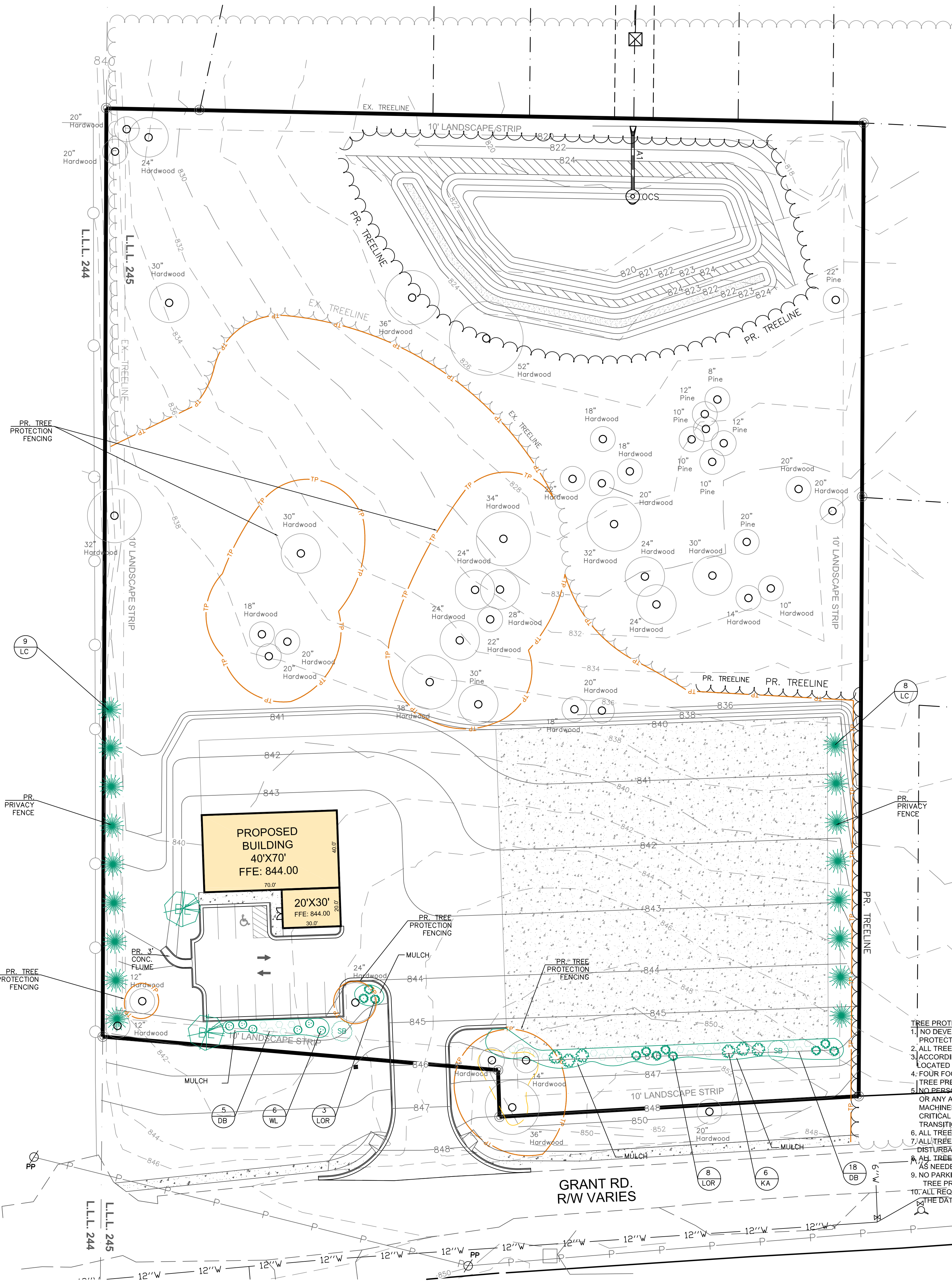
REGISTERED PROFESSIONAL ENGINEER
No. 29447
GEORGE P. HARPER III
01/02/23
GSWCC NO. 09374

REV. DATE: DESCRIPTION:

PROJECT: THRIVE GRANT RD.
SHEET: WATER DETAILS
LL-245
12TH DISTRICT
CLAYTON COUNTY
DATE: 01-02-23
DRAWN BY: GPH
SCALE: NTS

DRAWING NO: 220120 - ENTELECHY

SHEET C14



- LANDSCAPE NOTES:**
1. ALL LANDSCAPED AREAS ARE TO BE IRRIGATED. IRRIGATION PLAN BY CONTRACTOR.
 2. TREES SHALL BE WARRANTED FOR A PERIOD OF TWO(2) YEARS FROM TIME OF INSTALLATION.
 3. NO SUBSTITUTIONS OR DELETIONS ARE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL FROM A CLAYTON COUNTY ARBORIST.
 4. ALL TREES SHALL BE EQUIVALENT TO FLORIDA #1 GRADE OR BETTER.
 5. TREE SHALL BE PLANTED AT OR 2" ABOVE GRADE.
 6. NO TREE GUYS ON TREES LESS THAN 2" CALIPER OR LESS THAN 6' TALL.
 7. TREES 3" CALIPER AND LARGER SHALL HAVE FABRIC TIES USED. SAME SHALL BE REMOVED WITHIN 8 MONTHS OF PLANTING.
 8. PLANTING HOLE SHALL BE 2 TIMES (2X) THE DIAMETER OF THE PLANT BALL/CONTAINER.
 9. IF ANY TREE DIES WITHIN WARRANTY PERIOD, OWNER SHALL REPLACE SAME, OR BE IN VIOLATION OF ORDINANCE.

LANDSCAPE CALCULATIONS

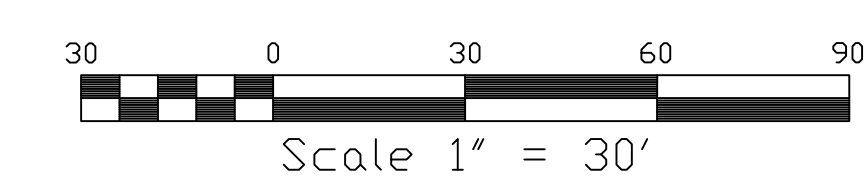
TOTAL SITE AREA - 195,337 SQFT (4.48 ACRES)

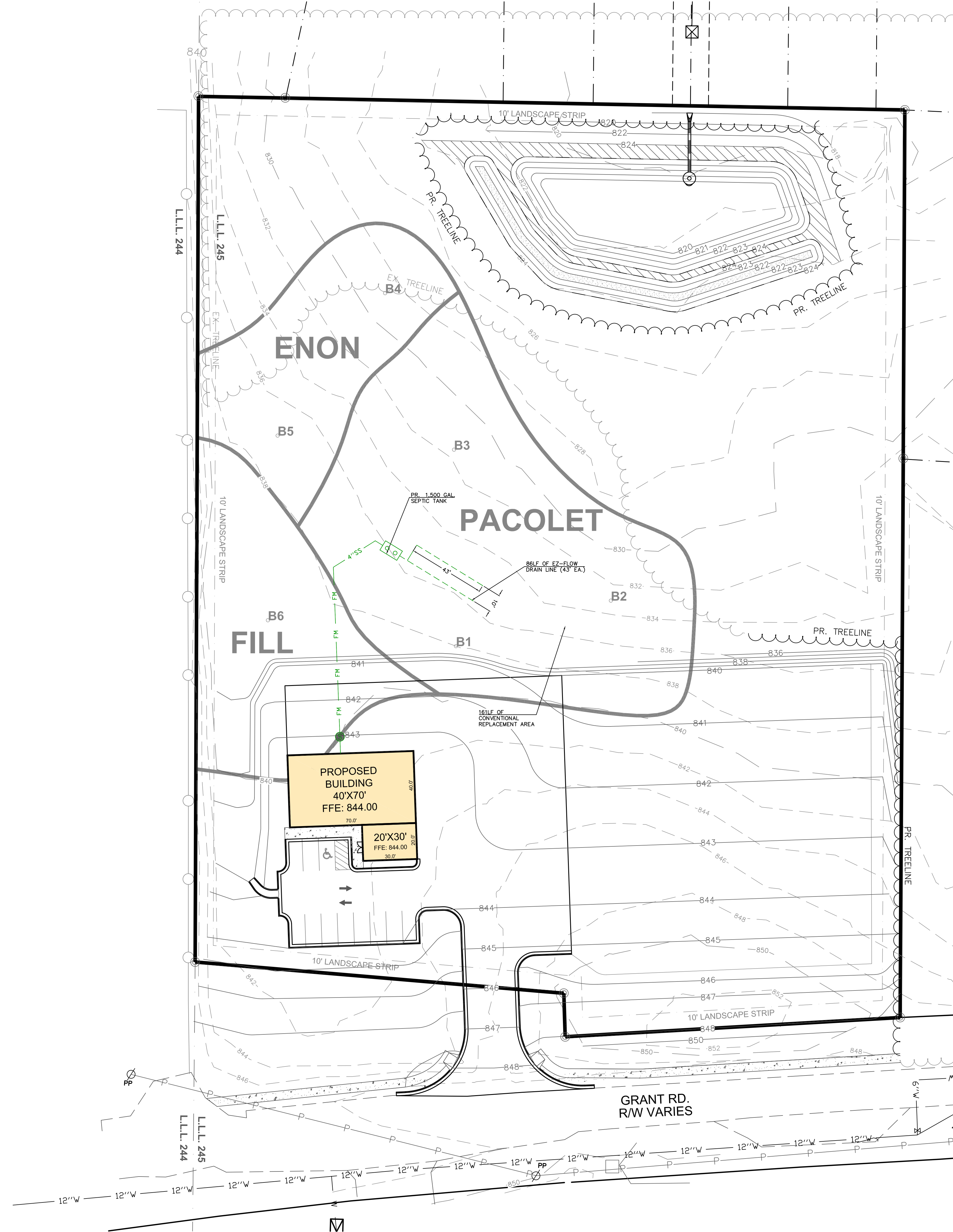
1. TOTAL BUILDING FOOTPRINT AREA = 3,400 SQFT
 - 1-deciduous tree/3,000sf = 2 trees
 - 1-needled evergreen tree/3,000sf = 2 trees
 - 1-ornamental tree/3,000sf = 2 trees
 - 1-foundation planting/30 lf perimeter = 1792lf/30= 60 shrubs
2. TOTAL AREA IN LS/GRASS/EX. VEGETATION= 125,174 SQFT = 64 % OF THE SITE
3. TREE DENSITY REQUIREMENTS:
 - TOTAL RDF REQUIRED: 4.48 AC. X 20 UNITS PER ACRE= 89.7 RDF REQ'D.
 - EDF: 367.8 EDF
 - RDF: REMAINING TREES (241.2 EDF) + REPLACEMENT TREES (16.2 RDF) = 257.4 RDF

TOTAL LANDSCAPED AREA PLANT LIST

SYM.	PLANT NAME	#	CALIPER	SPACING	UNITS	TDU
TREES						
CANOPY TREES						
BE	BOSQUE ELM/ULMUS PARVIFOLIA	2	2.5" CAL./8' HIGH	50 FT.	0.8	4.8
LC	LEYLAND CYPRESS/CUPRESSOCYPARIS LEYLANDII ALT:CRYPTOMERIA /CRYPTOMERIA JAPONICA	17	6' HIGH	20 FT.	0.8	13.6
UNDERSTORY TREES						
SB	SERVICEBERRY/AMELANCHIER ARBOREA	2	6' High	AS SH.	0.5	1.0
						TOTAL UNITS = 16.2 UNITS
SHRUBS/EVERGREEN GROUNDCOVERS						
DB	DWF. BURFORDI HOLLY/ILEX CORNUTA BURFORDI NANA	63	5 gal. / 3' HIGH	4.5'		
KA	KALEIDOSCOPE ABELIA/ABELIA GRANDIFLORA 'K'	6	5 gal. / 3' HIGH	5'		
LOR	DWARF RED LOROPETALUM / LOR. CHINENSE	46	3 GAL./3' HIGH	AS SH.		
WL	WAVY LIGUSTRUM/LIG. JAPONICUM RECURVIFOLIUM	6	5 gal. / 3' HIGH	4'		

- TREE PROTECTION NOTES:**
1. NO DEVELOPMENT OR BUILDING PERMIT SHALL BE ISSUED UNTIL THE TREE PROTECTION PLAN HAS BEEN APPROVED BY THE COUNTY.
 2. ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE.
 3. ACCORDING TO COUNTY REGULATIONS, THERE DOES APPEAR TO BE SPECIMEN TREES LOCATED ON SITE IN AREAS NOT PLANNED FOR RENOVATIONS.
 4. FOUR FOOT ORANGE TREE PROTECTION FENCING SHALL BE INSTALLED AROUND ALL TREE PRESERVATION AREAS UNDER DEVELOPMENT.
 5. NO PERSON ENGAGED IN THE CONSTRUCTION OF ANY STRUCTURE OR IMPROVEMENTS OR ANY ACTIVITY SHALL ENCROACH OR PLACE SOLVENTS, MATERIAL, CONSTRUCTION MACHINERY OR TEMPORARY SOIL DEPOSITS WITHIN 6' OF THE AREA OUTSIDE THE CRITICAL ROOT ZONE, OR ANY SIGNIFICANT TREE WITHIN A TREE SAVE AREA, TRANSITIONAL BUFFER ZONE, STREAM BUFFER, OR STATE WATER BUFFER ZONE.
 6. ALL TREE PROTECTION AREAS TO BE PROTECTED FROM SEDIMENTATION.
 7. ALL TREE PROTECTION DEVICES TO BE INSTALLED PRIOR TO THE START OF LAND DISTURBANCE, AND MAINTAINED UNTIL FINAL LANDSCAPING.
 8. ALL TREE PROTECTION FENCING TO BE INSPECTED DAILY, AND REPAIRED OR REPLACED AS NEEDED.
 9. NO PARKING, STORAGE OR OTHER CONSTRUCTION ACTIVITIES ARE TO OCCUR WITHIN TREE PROTECTION AREAS OR WITHIN SIX (6) FEET OF CRITICAL ROOT ZONE.
 10. ALL REQUIRED VEGETATION MUST BE MAINTAINED FOR TWO GROWING SEASONS AFTER THE DATE OF FINAL INSPECTION.





SOIL INTERPRETIVE DATA

Soil Units	Depth to Bedrock (in)	Depth to Seasonal High Water Table Indicators (in)	Slope Gradient (percent)	Recommended Trench Depth (in)	Estimated Perc Rate (min/in)	Recommended Hydraulic Loading Rate (gal/day/sq.ft.)	Soil Suit. Code
Enon	>72	>72	2-8	42-48	75	---	J6
Fill	>72	>72	2-8	---	---	---	F5
Pacolet	>72	>72	2-8	24-48	60	---	A1

SOIL SUITABILITY CODE LEGEND

A1 Soils are typically suitable for conventional absorption field with proper design, installation and maintenance.

F5 Soils consist of poorly-sorted fill material that is unsuitable for septic system construction.

Soils exhibit characteristics of slow percolation in the upper subsoil horizons, caused by slightly active/plastic clays. Permeability improves with depth. Conventional trenches installed at the recommended trench depth should function effectively.



CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

NOTES:

- TOTAL SITE AREA IS 4.48 Ac. TOTAL DISTURBED AREA IS 4.45 Ac.
- FIELD LINES TO BE THE EZ-FLOW SYSTEM. FIELD LINES TO BE INSTALLED A MIN. OF 10-FEET APART CENTER TO CENTER AND A MAXIMUM OF 24" AND MIN. OF 18" DEEP FOR OPTIMUM PERCOLATION.
- FIELD LINES ARE TO BE A MIN. OF 10-FEET FROM PROPERTY LINES AND BUILDINGS.
- ALL LINES AND SEEPAGE PITS TO BE A MIN. OF 5-FEET FROM EXISTING OR PROPOSED PARKING AREAS.
- ALL TANKS & DISTRIBUTION BOXES TO BE STANDARD PRE-CAST & FURNISHED FROM APPROVED MANUFACTURER.
- LEVEL 3 SOIL DATA & PERCOLATION TEST SHOWN HEREON PROVIDED BY AES ENVIRONMENTAL SCIENCES, INC. 90-F GLENDA TRACE, #327 NEWNAN, GA 30265 LEVEL 3- DATE: 01-12-23
- THE PERK RATE USE FOR DESIGN IN MADISON VARIANT SOIL WAS 60 MPI.
- BOUNDARY INFORMATION TAKEN FROM PLAT PREPARED BY SOUTHSIDE SURVEYING & PLANNING.

SEPTIC SYSTEM DESIGN DATA:

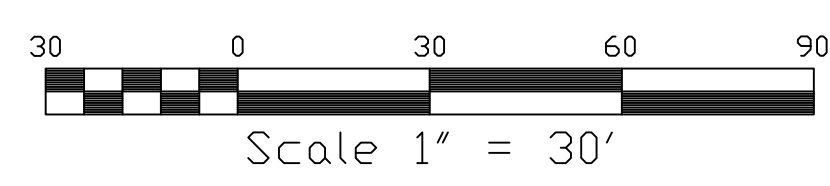
SITE USE- VEHICLE SERVICE (250 PER COMMODE OR URINAL (1))
 TOTAL FLOW = 250 GPD
 USE PERK RATE = 60 MIN/IN.
 PERCOLATION COEFFICIENT = $160/5 = 1.55$
 PRIMARY TRENCH BOTTOM AREA = $300 \times 1.61 = 388$ SQ.FT.
 PRIMARY TRENCH LENGTH FOR CONVENTIONAL LINE = 483 SF/3 = 130 FT.
REDUCE BY 35% & INSTALL 85 FT. OF EZ-FLOW INITIAL SYSTEM
 RESERVE 130 FT. OF STANDBY LINE AREA (100% REPLACEMENT)

OWNER/DEVELOPER:

24 HOUR CONTACT
 PRIMARY PERMITTEE
 FLASH EXPEDITED SERVICES
 JOSE HERNANDEZ
 617 Bridgeston Cove
 Suwanee, GA. 30024
 PH: 404-561-7748
 E: jhernandez@thriveglx.com

LEGEND

P.O.B. POINT OF BEGINNING	EXISTING EX.
P.O.R. POINT OF REFERENCE	PROPOSED PR.
O.T.P. OPEN TOP PIPE	TREE PROTECTION FENCING TPF
I.P.F. IRON PIN FOUND	PR. FIRE HYDRANT
I.P.S. IRON PIN SET	EX. FIRE HYDRANT
P.L. PROPERTY LINE	EX. WATER VALVE
C.M.F. CONCRETE MONUMENT FOUND	PR. WATER VALVE
L.L.L. LAND LOT LINE	WATER METER
B.O.C. BACK OF CURB	ELECTRIC BOX
E.O.P. EDGE OF PAVEMENT	FLARED END SECTION
T.W. TOP OF WALL	SANITARY SEWER LINE - SS
B.W. BOTTOM OF WALL	SANITARY SEWER LINE - W
D.E. DRAINAGE EASEMENT	WATER LINE
SANITARY SEWER MANHOLE - SA	SIGN
JUNCTION BOX (JB)	FENCE
DOUBLE-WING CATCHBASIN (DWCB)	LT-DUTY ASPHALT PAVING
SINGLE-WING CATCHBASIN (SWCB)	HEAVY-DUTY ASPHALT PAVING
DROP INLET (DI)	
HEADWALL	
DRAINAGE FLOW	
LIGHT POLE (LP)	
POWER POLE (PP)	



Paramount ENGINEERING, LLC
 PH: (770) 473-9576
 11 E. BROAD ST.
 NEWNAN, GA. 30263
 george@paramountengineering.com



REV.	DATE	DESCRIPTION

DRAWING NO: 211120- GRANT RD.

PROJECT: THRIVE GRANT RD.
 SHEET: SEPTIC SYSTEM SITE PLAN
 12TH DISTRICT CLAYTON COUNTY
 DRAWN BY: GPH SCALE: 1" = 30'
 DATE: 01-25-23
 SHEET **S1**