SITE DEVELOPMENT PLANS FOR

THRIVE GRANT ROAD

3644 GRANT ROAD, CLAYTON COUNTY, GA.



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.

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

25. ALL RADII ARE MEASURED TO THE FACE OF CURB

26. 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

27. THE WATER QUALITY POND THAT SERVES THE PROPOSED SITE WILL BE LOCATED IN THE NORTHEAST CORNER OF THE LOT. 28. "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.' 29. 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.

30. "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."

31. 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 32. 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

33. 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. 34. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL PERMITS HAVE BEEN OBTAINED PRIOR TO BEGINNING

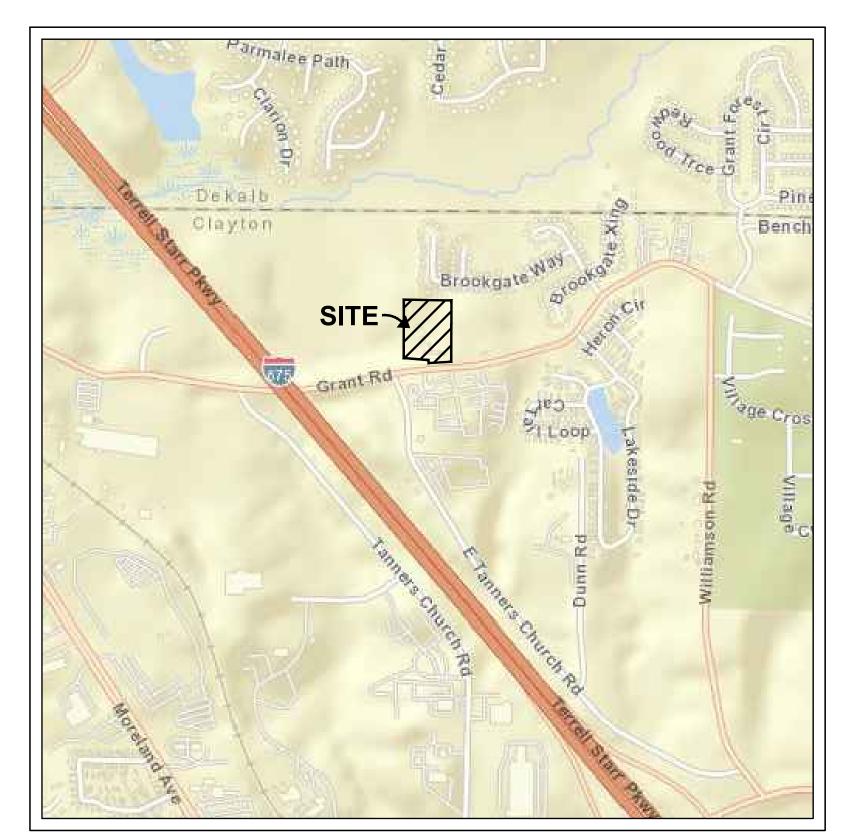
35. CONTRACTOR IS RESPONSIBLE FOR ALL TIE-INS TO THE BUILDINGS INCLUDING BUT NOT LIMITED TO DOWNSPOUTS, UNLESS

36. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND CONSTRUCTING ALL UTILITY RELOCATIONS AS NECESSARY. 37. 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.

38. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXISTING AND PROPOSED

39. 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.

40. THIS PROJECT WILL BE PRIVATELY FUNDED. 41. 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.**

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 authorized agent, under my direct supervision." Signature of Plan Preparer "I understand that as the Plan Preparer, retained by the primary

"I certify under penalty of law that this Plan was prepared after a

site visit to the locations described herein by myself or my

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."

Lever Ha 01	/25	23
Signature of Plan Preparer	Date	Э

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

INDEX

C2. EX. CONDITIONS/ DEMOLITION PLAN.

C4. GRADING & DRAINAGE PLAN.

C7. INTERMEDIATE ES&PC PLAN.

C9. EROSION CONTROL DETAILS.

C12-C13. CONSTRUCTION DETAILS

C14. WATER & SEWER DETAILS.

S1. SEPTIC SYSTEM SITE PLAN

S2. LEVEL III SOIL SURVEY.

National Flood Hazard Layer FIRMette

C6. INITIAL PERIMETER ES&PC PLAN.

C10. DET. POND/ INFILTRATION TRENCH

LS. TREE PRESERVATION/ LANDSCAPE PLAN

1:6,000

Basemap: USGS National Map: Ortholmagery: Data refreshed October, 2020

C1. COVER SHEET.

C5. UTILITY PLAN.

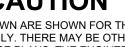
C8. FINAL ES&PC PLAN.

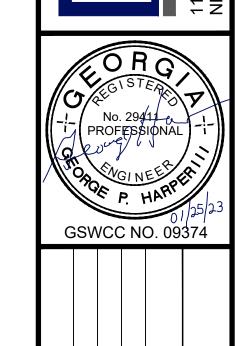
C11. NPDES NOTES.

PLAN & DETAILS.

C3. SITE PLAN.

SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE





SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOU With BFE or Depth Zone AE, AO, AH, VE, AR

0.2% Annual Chance Flood Hazard, Area of 1% annual chance flood with average depth less than one foot or with drainag areas of less than one square mile Zon

Area with Reduced Flood Risk due to Levee. See Notes. Zone X FLOOD HAZARD Area with Flood Risk due to Levee Zoo

Area of Undetermined Flood Hazard 2 GENERAL - - - Channel, Culvert, or Storm Sewer STRUCTURES IIIIII Levee, Dike, or Floodwall B 20.2 Cross Sections with 1% Annual Chance Coastal Transect -- Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary

NO SCREEN Area of Minimal Flood Hazard Zon

Effective LOMRs

17.5 Water Surface Elevation Hydrographic Feature

Legend

HAZARD AREAS

--- Coastal Transect Baseline

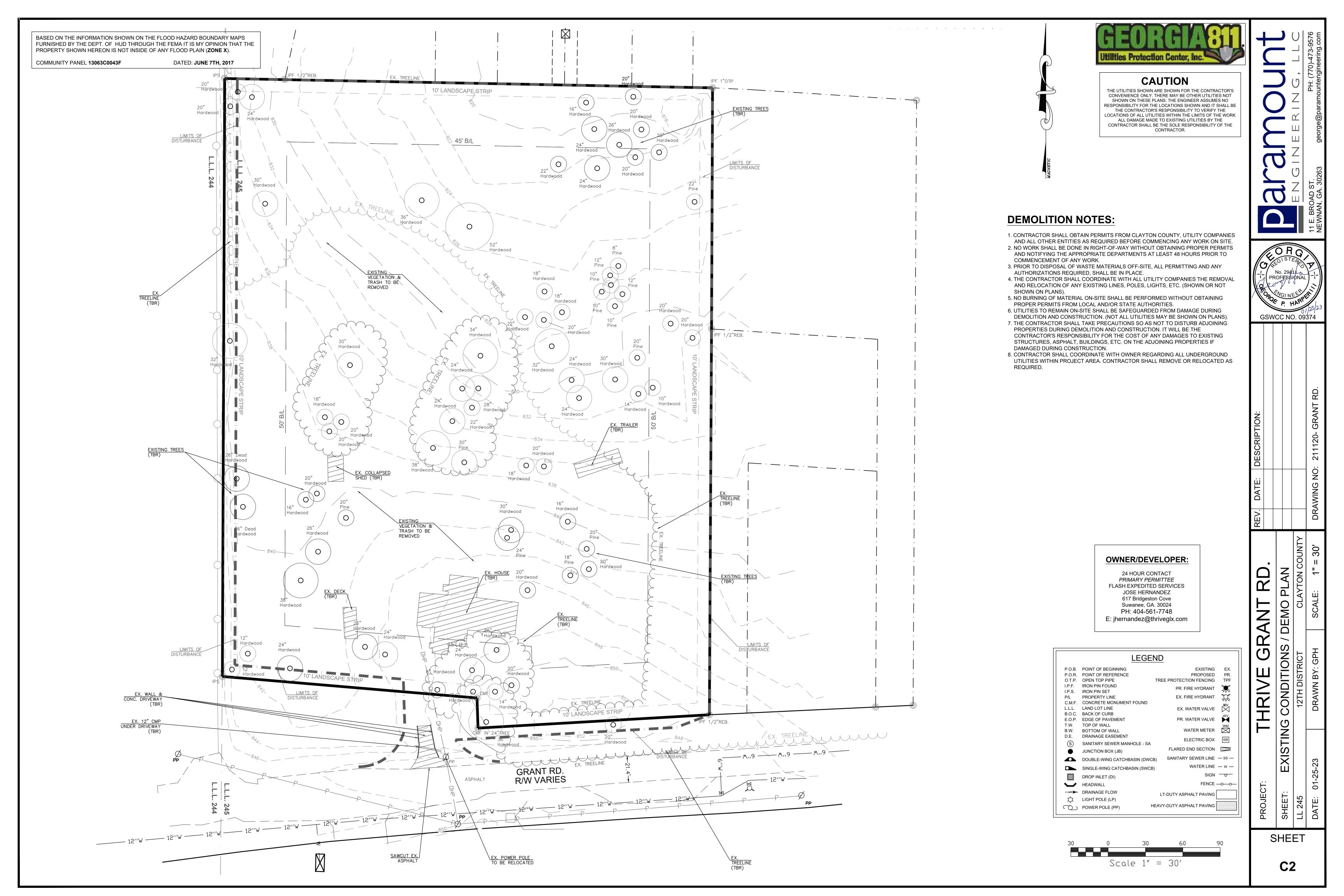
The pin displayed on the map is an approximate point selected by the user and does not represe

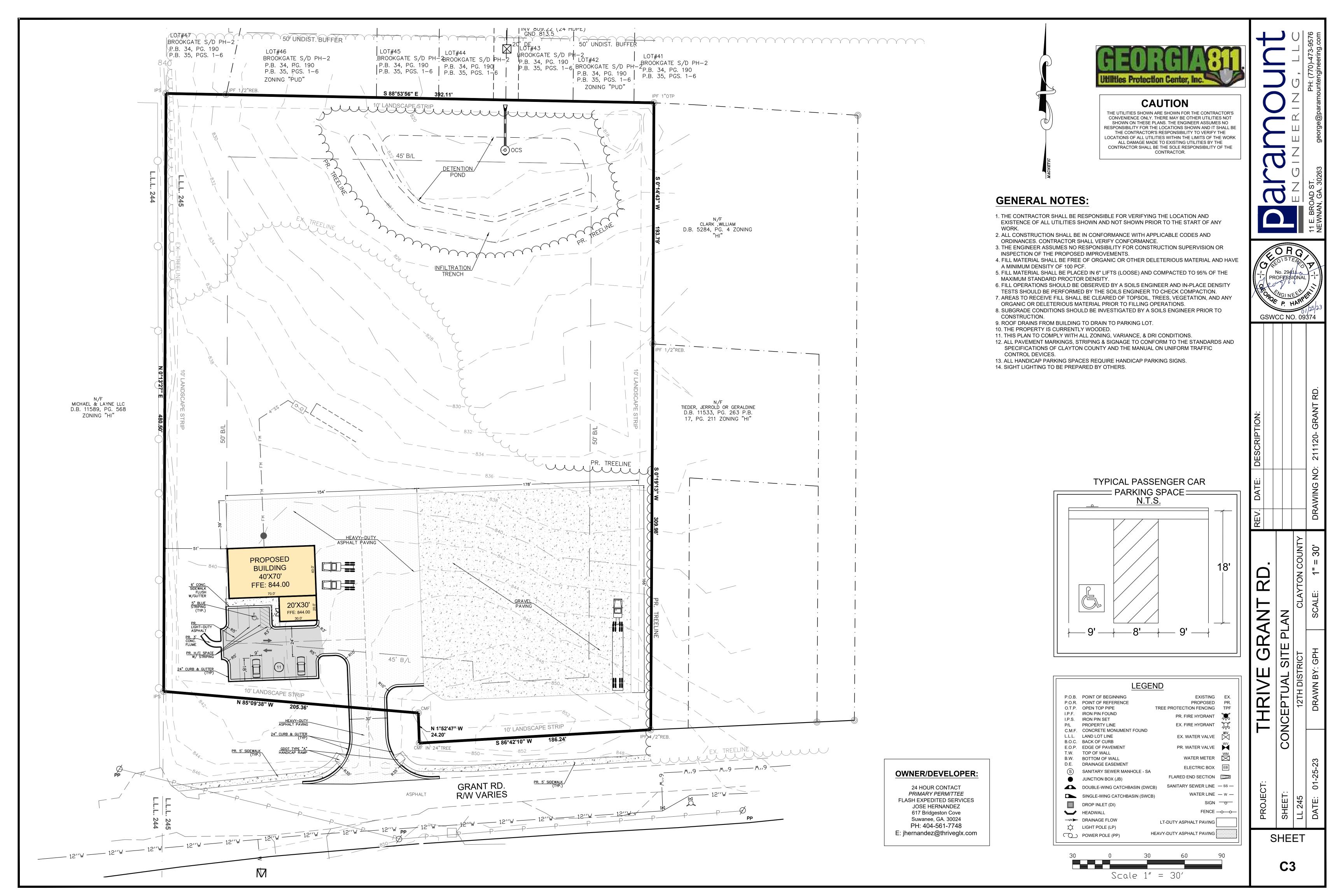
his map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap

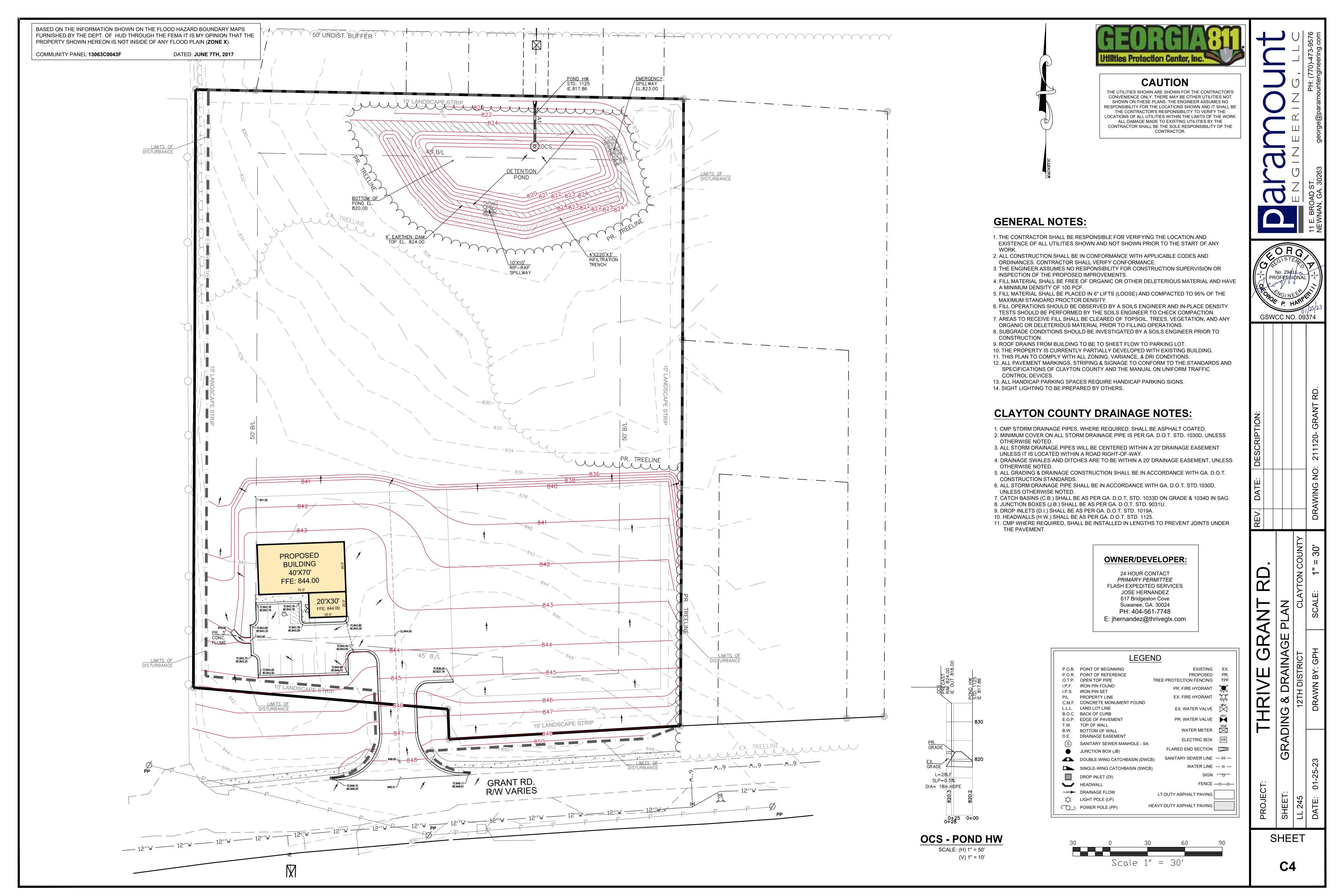
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/9/2022 at 1:21 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or ne superseded by new data over time.

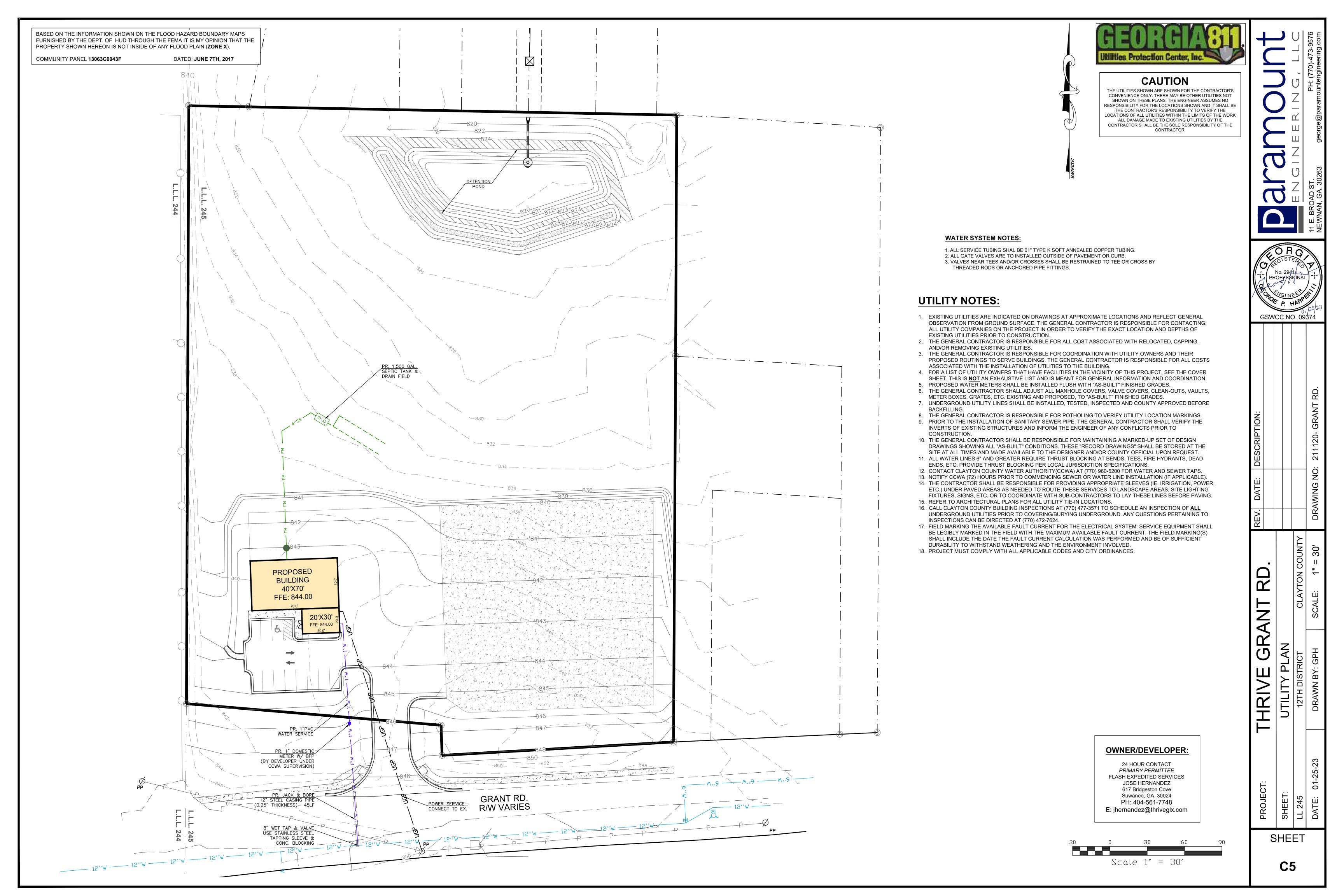
nis map image is void if the one or more of the following ma elements do not appear: basemap imagery, flood zone label egend, scale bar, map creation date, community identifiers, RM panel number, and FIRM effective date. Map images for

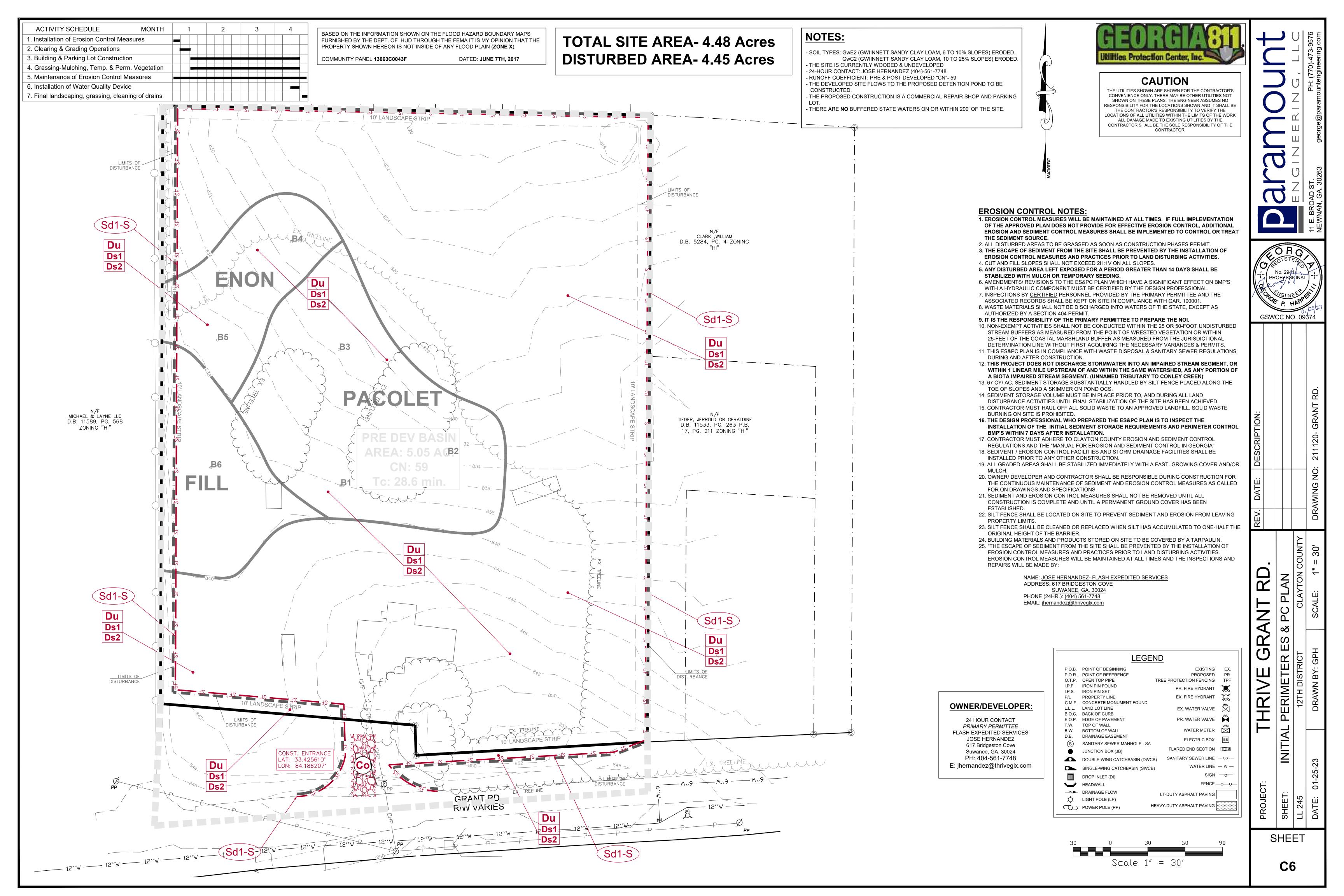
SHEET

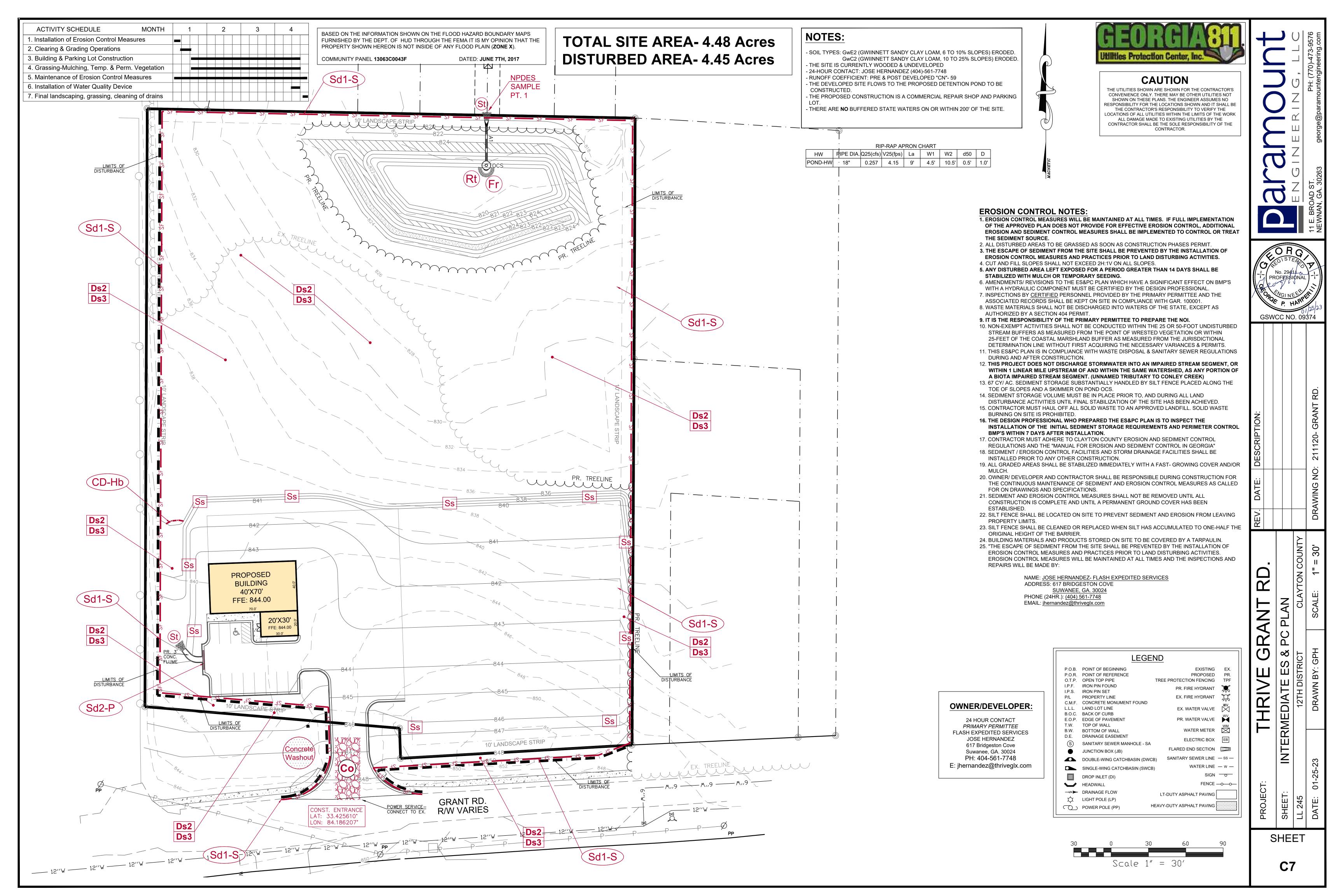


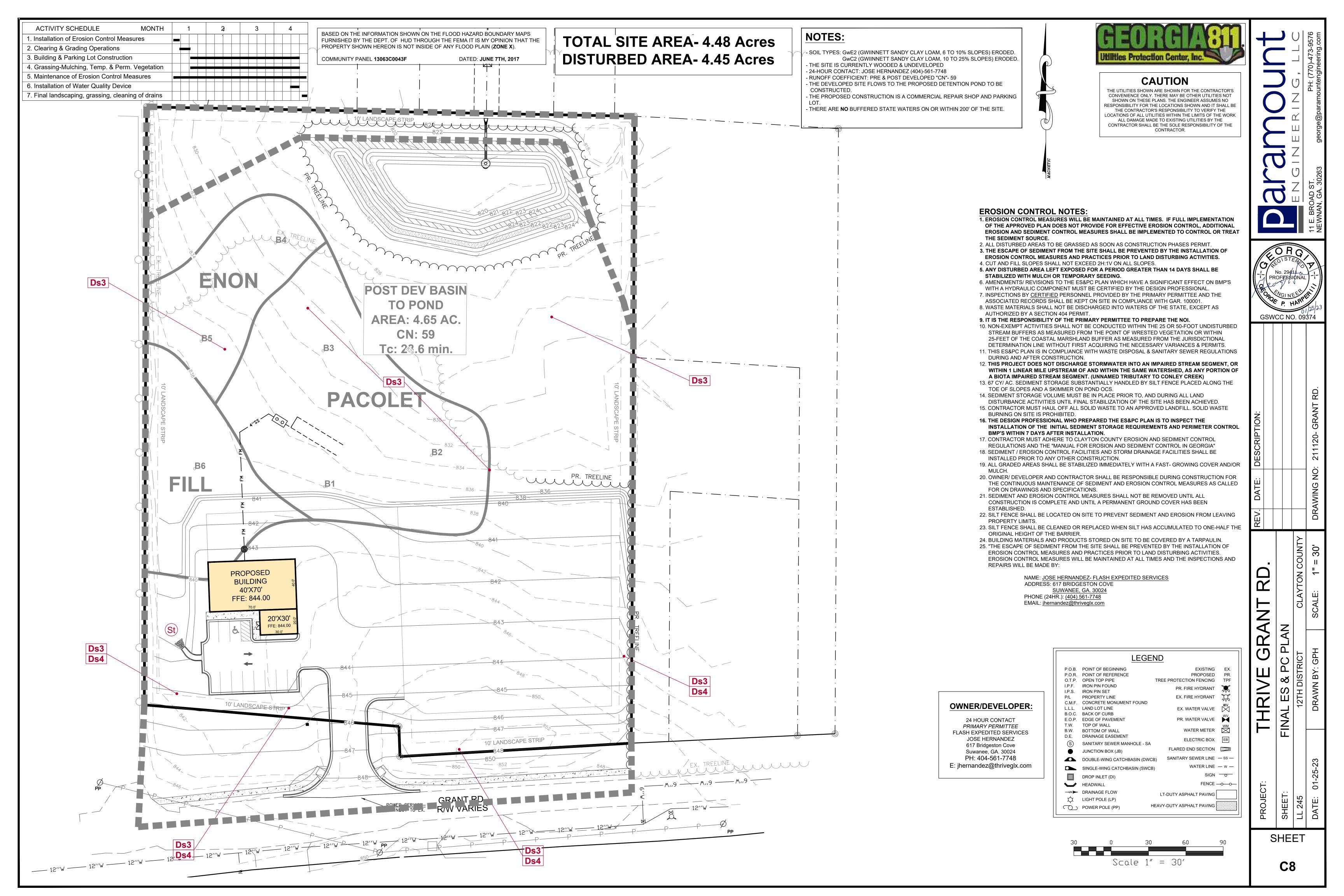












EROSION AND SEDIMENT CONTROL NOTES:

- 1. CONTRACTOR MUST ADHERE TO CLAYTON COUNTY EROSION & SEDIMENT CONTROL REGULATIONS & THE "MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA".
- 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 POND OCS.
- 14. SEDIMENT STORAGE VOLUME MUST BE IN PLACE PRIOR TO, & DURING ALL LAND DISTURBANCE ACTIVITIES UNTIL FINAL STABILIZATION OF THE SITE HAS BEEN ACHIEVED.

(Fr) STONE FILTER RING

DRAIN SYSTEM PREVENTING FROSION

D= THE DIAMETER OF THE STORM PIPE

OUTLET PROTECTION

Ds4 DISTURBED AREA STABILIZATION

RESOURCE

AREA

M-L.P.C

P,C

P,C

P,C

M-L,P

GROWING

SEASON

WEATHER

WARM

WEATHER

WEATHER

WEATHER

WEATHER

WEATHER

(WITH SODDING)

VARIETIES

COMMON

TIFWAY

TIFGREEN

TIFLAWN

PENSACOLA

COMMON

BITTER BLUE

RALEIGH

EMERALD

MEYER

KENTUCKY

WOODY DEBRIS, STONES & CLODS LAGER THAN 1".

EROSION AND SEDIMENT CONTROL IN GEORGIA".

PINS OR OTHER APPROVED METHODS.

NOT INCLUDING SHOOTS OR THATCH.

UNEVEN PADS SHOULD BE REJECTED.

WEATHER IF IRRIGATION IS NOT AVAILABLE.

FROSION AND SEDIMENT CONTROL IN GEORGIA'

CONTACT BETWEEN SOD & SOIL.

FOR A MINIMUM OF 2-3 WEEKS.

JOINTS. STAGGER JOINTS & DON'T STRETCH SOD.

1. BRING SOIL SURFACE TO FINAL GRADE. CLEAR SURFACE OF TRASH,

2. APPLY SOD TO SOIL SURFACES ONLY & NOT FROZEN SURFACES, OR

3. TOPSOIL PROPERLY APPLIED WILL HELP GUARANTEE A STAND. DON'T

USE TOPSOIL RECENTLY TREATED WITH HERBICIDES OR SOIL

5. LAY SOD WITH TIGHT JOINTS & IN STRAIGHT LINES. DON'T OVERLAP

6. ON SLOPES STEEPER THAN 3:1, SOD SHOULD BE ANCHORED WITH

7. INSTALLED SOD SHOULD BE ROLLED OR TAMPED TO PROVIDE GOOD

9. SOD SHOULD NOT BE CUT OR SPREAD IN EXTREMELY WET OR DRY

11. SOD SHOULD BE MACHINE CUT AND CONTAIN 3/4" (± 1/4 ") OF SOIL

12. SOD SHOULD BE CUT TO THE DESIRED SIZE WITHIN ± 5%. TORN OR

13. SOD SHOULD BE CUT & INSTALLED WITHIN 36 HOURS OF DIGGING.

14. AVOID PLANTING WHEN SUBJECT TO FROST HEAVE OR HOT

15. FOR MAINTENANCE & FERTILIZATION, REFER TO "MANUAL FOR

WEATHER. IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL

4. FERTILIZE BASED ON SOIL TESTS OR REFER TO "MANUAL FOR

8. IRRIGATE SOD & SOIL TO A DEPTH OF 4" IMMEDIATELY AFTER

10. SOD SELECTED SHOULD BE CERTIFIED. SOD GROWN IN THE

GENERAL AREA OF THE PROJECT IS DESIRABLE.

BERMUDAGRASS

BAHIAGRASS

CENTIPEDE

ST. AUGUSTINE

TALL FESCUE

GRAVEL TYPE SOILS

INSTALLATION.

DEPTH= 1.5 TIMES MAX. STONE DIA.

NOT LESS THAN 6".

DUST CONTROL ON Du DISTURBED AREAS

- MULCH DISTURBED AREAS AND TACKIFY WITH RESINS SUCH AS ASPHALT, CURASOL, OR TERRATACK 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



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

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

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)

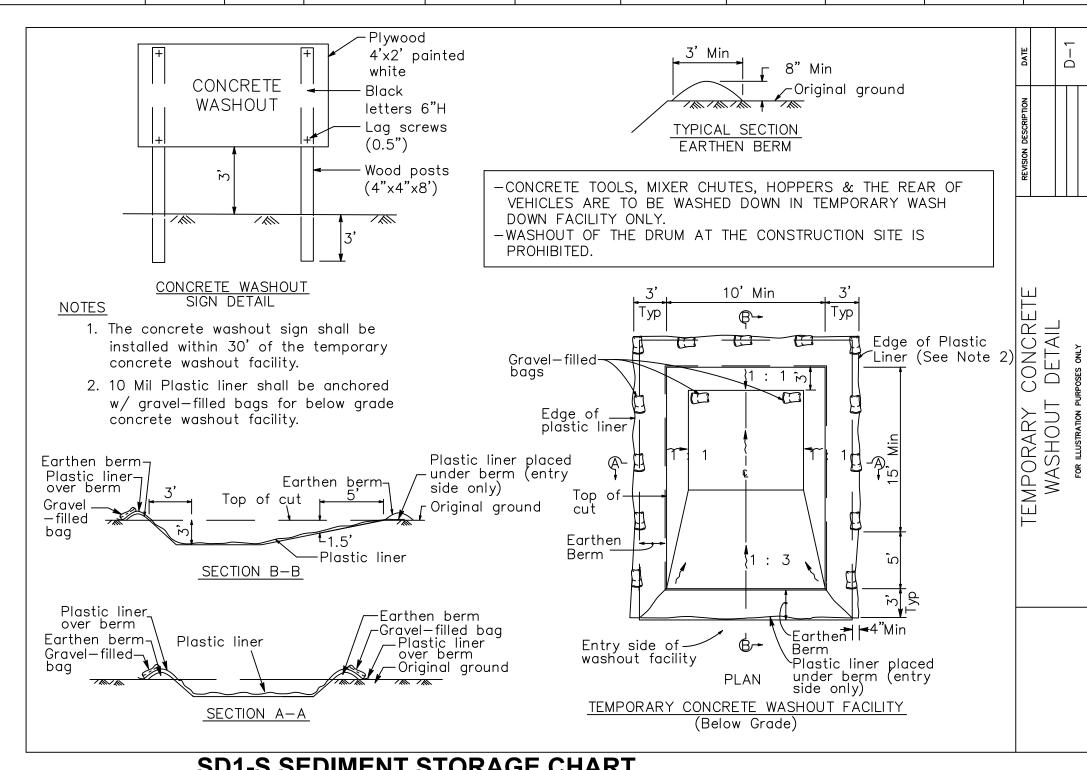
	(**************************************	
SPECIES	SEEDING RATE (LBS. PURE LIVE SEED)	PLANTING DATES
BERMUDA, COMMON (HULLED)	6-10 LBS/ACRE	MARCH - JUNE
BERMUDA, COMMON (UN-HULLED)	6-10 LBS/ACRE	OCTOBER - FEBRUARY
FESCUE, TALL	30 -50 LBS/ACRE	AUGUST - OCTOBER MARCH - APRIL
LESPEDEZA	60 - 75 LBS/ACRE	JANUARY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

- 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
- 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.

			1										
	RATES / SPACING		PL	PLANTING DATES		YEARS TO	FERT	ILIZER RATES	- POUNDS P	ER ACRE			
SPECIES	1000 S.F.	ACRES	MTS L'STONE	PIEDMONT	COASTAL	APPLY FERTILIZER	N	Р	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			
SPRIG OR SOD PLUGS	3' X 3'	3' X 3'				SECOND	48	96	96	50 - 100			
HULLED COMMON BERMUDAGRASS	0.25 LB.		4/10 - 6/15 4/1 - 6/15			0/45 0/45	FIRST	60 - 90	120 - 180	120 - 180	50 - 100		
				4/1 - 6/15 2/15 - 6/15	SECOND	48	96	96	50 - 100				
TALL FESCUEGRASS AND	1 LB.	30-40 LB.				FIRST	60 - 90	120 - 180	120 - 180	0 -50 IN SPRING			
CLEAN COMBINE RUN VIRGATA OR SERICEA LESPEDEZA	1.5 LB.	60-75 LB.	8/1 - 10/15	9/1 - 11/1	9/1 - 11/1	9/1 - 11/1	10/15 9/1 - 11/1	9/15 - 11/15	SECOND	0	70 - 100	70 - 100	

SEEDING CHART



SD1-S SEDIMENT STORAGE CHART

PROJECT	BASIN AREA	DISTURBED AREA	REQUIRED SED. STORAGE	TOTAL STORAGE PROVIDED	DEVICE	VOLUME
JIM 'N NICK'S	5.05 AC.	4.46 AC.	338.35 CY	79.39 CY	1832 LF OF SD1-S	0.05 CY/LF

CALCULATIONS FOR SILT FENCE:

1832 LF OF SILT FENCE x 1.17 FT / 27= **79.39** CY OF STORAGE (MAX. STORAGE HEIGHT BEHIND SILT FENCE = 14 IN. OR 1.17 FT.)

SKIMMER SEDIMENT S	STORAGE CALCULATIONS
OKTIVIIVIEK OLDIIVILIAT (STORAGE GALOGEATIONS

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN
Rt- Storage Calculations
1 Peguired stormwater storage = 18 155 cv = 400 185 cf

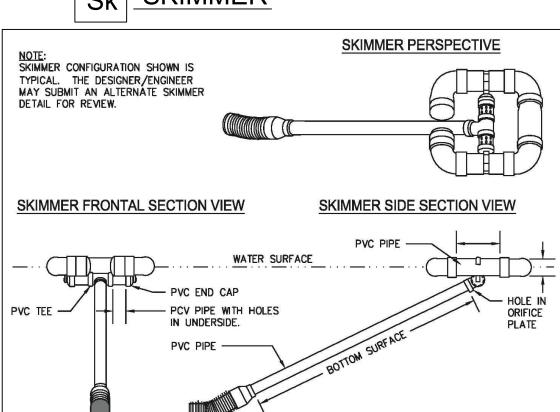
- . Required stormwater storage = <u>18,155</u> cy = 490,185 ct. (as determined by local ordinance) 2. Required sediment storage = <u>339</u> cy = 9,153 cf.
- (67 cy/ac * <u>5.05</u> ac disturbed area) 3. Total required storage = _(1)_ + _(2)_ = _18,494_cy 4. Available storage = 24,314 cy
- 5. Is the available storage (4) greater than the total required storage (3)? 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: ___

Calculate Skimmer Size

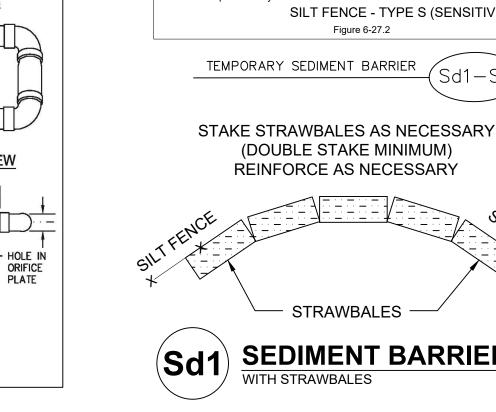
Basin Volume in Cubic Feet

Days to Drain'

n NC assume 3 days to drain



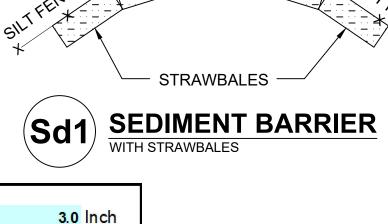
24,314 Cu.Ft



Skimmer Size

Orifice Radius

Orifice Diameter



4' max o.c.

Woven Wire

Fence Backing

SILT FENCE - TYPE S (SENSITIVE)

FRONT VIEW

Figure 6-27.2

(DOUBLE STAKE MINIMUM)

REINFORCE AS NECESSARY

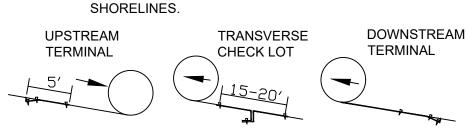
NOTE: Use 36" D.O.T. approved fabric

1.4 Inch[es

2.7 Inch[es]

(SD-2) EXCAVATED INLET SEDIMENT TRAP

A PROTECTIVE COVERING (BLANKETS) OR SOIL STABILIZATION MAT USE TO ESTABLISH PERMANENT VEGETATION ON STEEP SLOPES, CHANNELS, OR

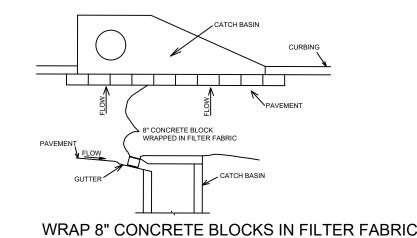


SS -SLOPE STABILIZATION



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.

(\mathbf{Co}) TEMP. CONSTRUCTION EXIT



AND SPAN ACROSS CATCH BASIN INLET FACE OPENINGS IN BLOCKS OUTWARD.



FROSION & SEDIMENT CONTROL

SION & SLI		ONTROL
PRACTICE	DETAIL	MAP SCALE
FILTER RING		Fr
SLOPE STABILIZATION	12-0 Omay O	Ss
DIVERSION CHANNEL		Di
RETROFIT		Rt-P
CONSTRUCTION EXIT		#0
DUST CONTROL		Du
DISTURBED AREA STABILIZATION WITH MULCHING ONLY		Ds1
DISTURBED AREA STABILIZATION WITH TEMPORARY SEED		Ds2
DISTURBED AREA STABILIZATION WITH PERMANENT VEG.		Ds3
DISTURBED AREA STABILIZATION WITH SOD		Ds4
SEDIMENT BARRIER SENSITIVE		(Sal) SILT FENCE STEEL POSTS
SEDIMENT BARRIER NON-SENSITIVE		(Sal) SILT FENCE WOOD POSTS
TOPSOILING		TP
STORM DRAIN PROTECTION		St
CHECK DAM		Cd-S
CURB INLET TRAP		Sd2-P
INLET PROTECTION		(\$d2-A)
VEGETATED WATERWAY		Wt
	PRACTICE FILTER RING SLOPE STABILIZATION DIVERSION CHANNEL RETROFIT CONSTRUCTION EXIT DUST CONTROL DISTURBED AREA STABILIZATION WITH MULCHING ONLY DISTURBED AREA STABILIZATION WITH TEMPORARY SEED DISTURBED AREA STABILIZATION WITH PERMANENT VEG. DISTURBED AREA STABILIZATION WITH SOD SEDIMENT BARRIER SENSITIVE TOPSOILING CHECK DAM CURB INLET TRAP INLET PROTECTION VEGETATED	FILTER RING SLOPE STABILIZATION DIVERSION CHANNEL RETROFIT CONSTRUCTION EXIT DUST CONTROL DISTURBED AREA STABILIZATION WITH MULCHING ONLY DISTURBED AREA STABILIZATION WITH FEMPORARY SEED DISTURBED AREA STABILIZATION WITH SOD SEDIMENT BARRIER SENSITIVE SEDIMENT BARRIER NON-SENSITIVE TOPSOILING STORM DRAIN PROTECTION CHECK DAM CURB INLET TRAP INLET PROTECTION VEGETATED

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST STAND ALONE CONSTRUCTION PROJECTS Project Name: THRIVE GRANT RD ANVIL BLOCK ROAD

City/County: CLAYTON COUNTY Date on Plans: Name & email of person filling out checklist: George Harper george@paramountengineering.com Plan Included TO BE SHOWN ON ES&PC PLAN The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted.

(The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed) 2 Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be

N/A N 3 Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist and the GAEPD approval letter. *

(A copy of the written approval by GAEPD must be attached to the plan for the Plan to be reviewed.)

4 The name and phone number of the 24-hour contact responsible for erosion, sedimentation and pollution controls.

5 Provide the name, address, email address, and phone number of primary permittee. 6 Note total and disturbed acreages of the project or phase under construction. 7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.

8 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions. 9 Description of the nature of construction activity and existing site conditions.

1 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary. 6-8 Y 11 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.

11 Y 12 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 19 of the permit

11 Y 13 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 19 of the permit. 6-8 Y 14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the

marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary

initial sediment storage requirements and perimeter control BMPs within 7 days after installation." in accordance with Part IV.A.5 page 25 of the permit. * 6-8 Y 15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal

variances and permits. N/A N 16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required. Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on

BMPs with a hydraulic component must be certified by the design professional." * 6-8 Y 18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as

authorized by a Section 404 permit." 6-8 Y 19 Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of

erosion and sediment control measures and practices prior to land disturbing activities." 6-8 Y 20 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or treat the sediment source.

6-8 Y 21 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."

N/A N 22 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of a Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired Stream Segment.

N/A N 23 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *

7 N 24 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited. *

11 Y 25 Provide BMPs for the remediation of all petroleum spills and leaks. 11 Y 26 Description of the measures that will be installed during the construction process to control pollutants in storm

water that will occur after construction operations have been completed. $\,{}^{\star}$ 11 Y 27 Description of practices to provide cover for building materials and building products on site.

11 Y 28 Description of the practices that will be used to reduce the pollutants in storm water discharges. 6-8 Y 29 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major

portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization). 11 Y 30 Provide complete requirements of Inspections and record keeping by the primary permittee. *

11 Y 31 Provide complete requirements of Sampling Frequency and Reporting of sampling results. * 11 Y 32 Provide complete details for Retention of Records as per Part IV.F. of the permit. * 11 Y 33 Description of analytical methods to be used to collect and analyze the samples from each location. *

11 Y 34 Appendix B rationale for NTU values at all outfall sampling points where applicable. * 6-8 Y 35 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which

storm water is discharged. * 11 Y 36 A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *

6-8 Y 37 Graphic scale and North arrow.

6-8 Y 38 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Map Scale Ground Slope Contour Intervals, ft. 1 inch = 100ft or Flat 0 - 2% 1 or 2 Rolling 2 - 8% larger scale

N/A N 39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at

www.gaswcc.georgia.gov. N/A N 40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual

for Erosion & Sediment Control in Georgia 2016 Edition. * N/A N 41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact

N/A N 42 Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site. N/A N 43 Delineation and acreage of contributing drainage basins on the project site.

6-8 Y 44 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. * 6-8 Y 45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are

6-8 Y 46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.

6-8 Y 47 Soil series for the project site and their delineation. 6-8 Y 48 The limits of disturbance for each phase of construction.

6-8 Y 49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin,

retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible,

a written justification explaining this decision must be included in the Plan. 9 Y 50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with

9 Y 51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.

9 Y 52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia. * If using this checklist for a project that is less than 1 acre and not part of a common development

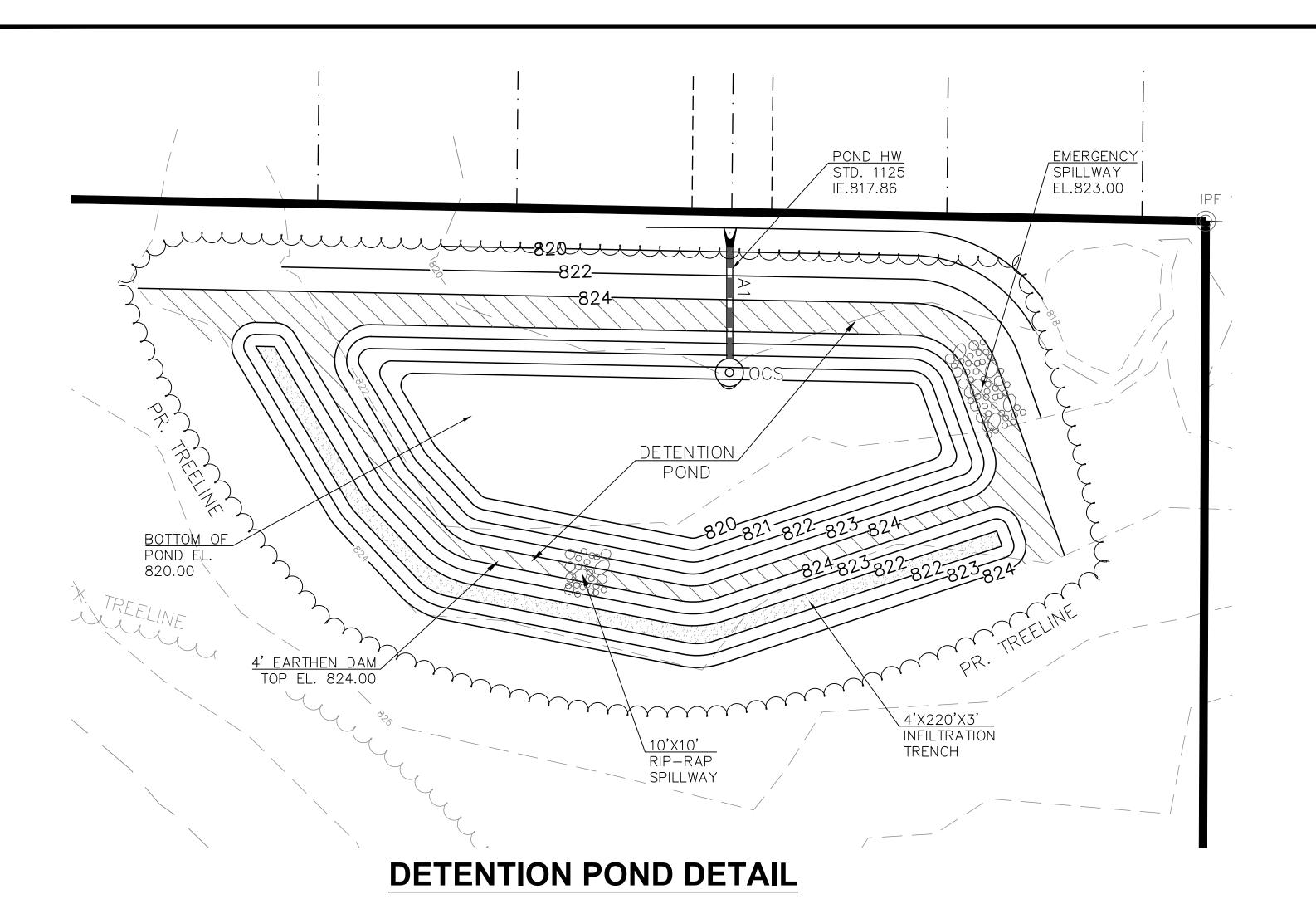
> but within 200 ft of a perennial stream, the * checklist items would be N/A. Effective January 1, 2023

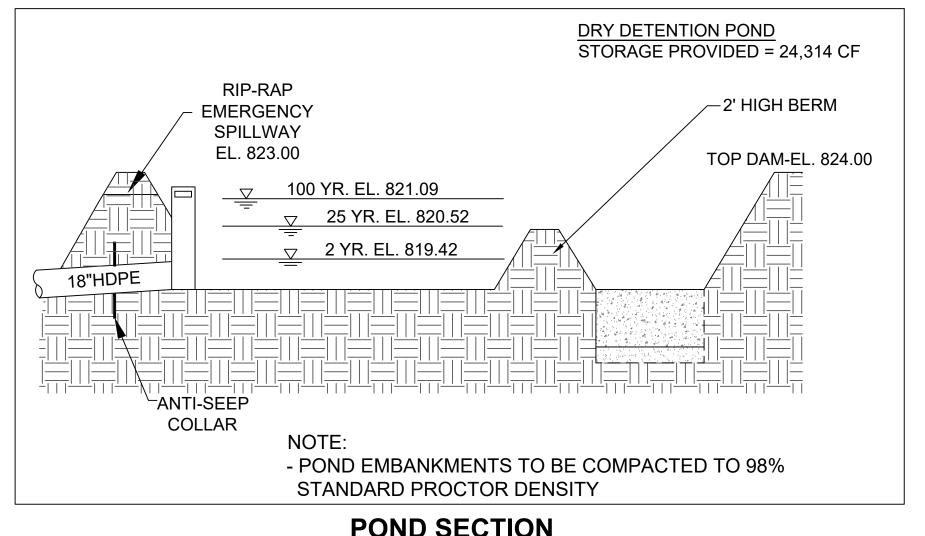
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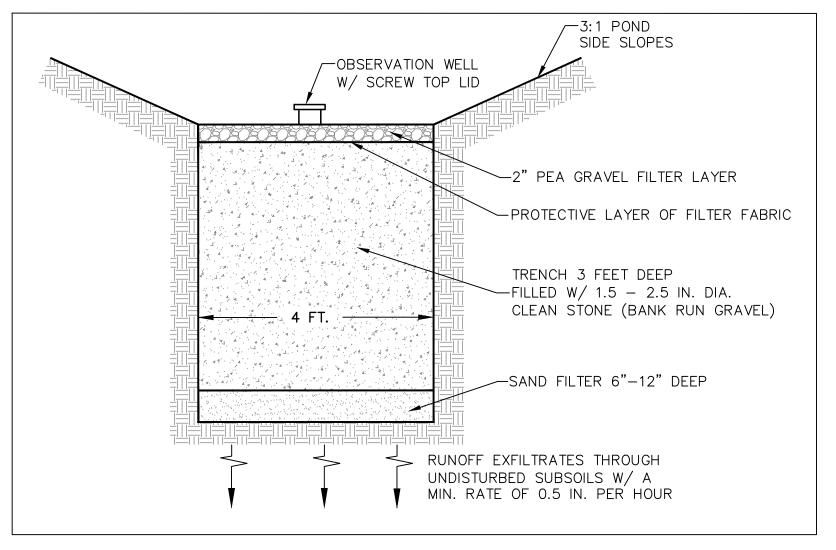
GSWCC NO. 09374

SHEET





POND SECTION NO SCALE



INFILTRATION TRENCH CROSS SECTION

L=28LF SLP=0.5% DIA= 18in.HDPE 0+25 0+00 0+28 **OCS - POND HW**

SCALE: (H) 1" = 50'

(V) 1" = 10'

CAUTION

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S

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.

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

DMD ID	DMD TVDE	DIMENSIONS				
BMP ID	BMP TYPE	MAX. LENGTH	MAX. WIDTH	MAX. DEPTH	MAX. SIDE SLP	
	DRY DET. BASIN	160'	64'	4.0'	3:1	
DMD ID	DMD TVDE	DIMENSIONS				
BMP ID	BMP TYPE	MAX. LENGTH	MAX. WIDTH	MAX. DEPTH	MAX. SIDE SLP	

233'

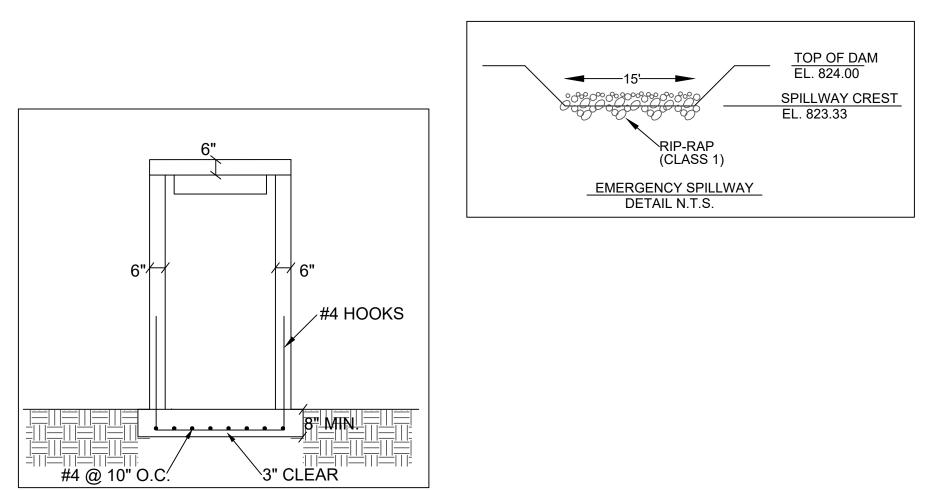
INFILTRATION

TYPICAL OCS DETAIL

(N.T.S.)

TRENCH

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.



2.0'

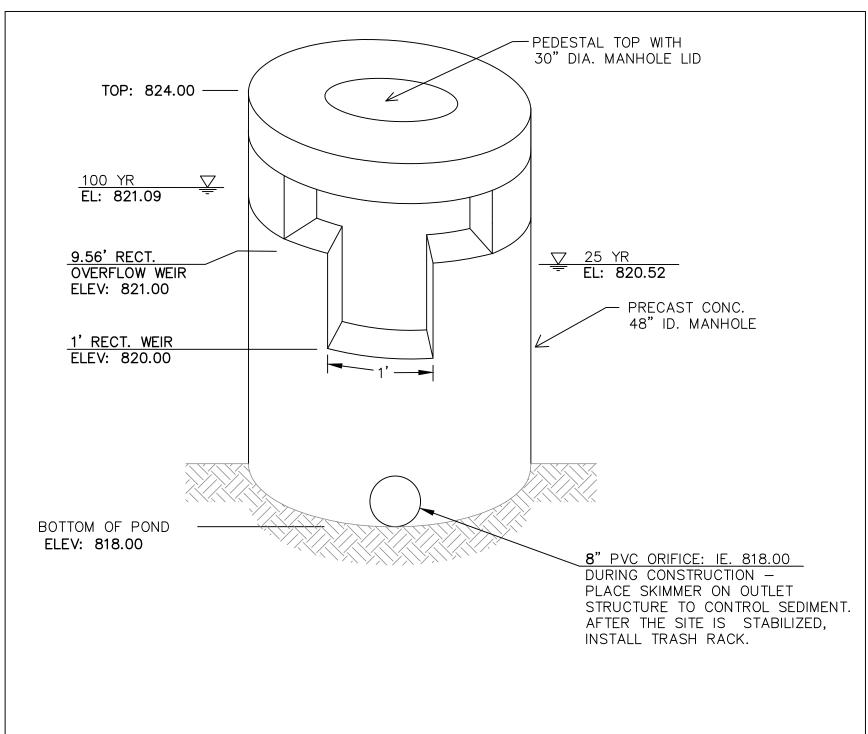
3:1

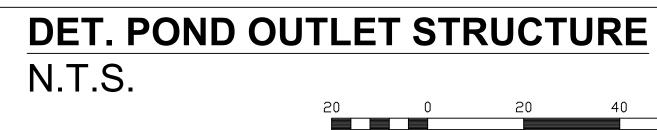
-1" DIA. WEDGE $\frac{1}{2}$ " DIA. SMOOTH—DOWELS (MAX. OPENING- 4")

PREFABRICATED TRASH RACK DETAIL
(N.T.S.)

Typical Maintenance Activities for Dry Detention Basins					
Activity	Schedule				
 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				
 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				
Mow to limit unwanted vegetation. Litter/ debris removal.	Routine				

Typical Maintenance Activities for Infiltration Trench						
Maintenance Activity	Schedule					
 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					
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)					
Remove aggregate and install clean, washed trench aggregate It may be necessary to replace piping, filter fabric, etc.	Upon Failure					





Scale 1" = 20'

GSWCC NO. 09374 **POND PLAN** THRIVE QUALITY PROJECT:

SHEET

C10

Primary Permittee Qualified Personnel Operator CONTRACTOR: OWNER/DEVELOPER: CIVIL ENGINEER (NPDES): FLASH EXPEDITED SERVICES JOSE HERNANDEZ PARAMOUNT ENGINEERING, LLC. 617 Bridgeston Cove 24 Hour Contact: 11 E. BROAD ST. Suwanee, GA. 30024 JOSE HERNANDEZ NEWNAN, GEORGIA 30263 PH: 404-561-7748 PHONE: (404) 561-7748 (770)-473-9576 E: jhernandez@thriveglx.com

Description of Existing Land Use:
Site Purpose and Construction Activity:
INDUSTRIAL - TRUCK SERVICING SHOP
Site Description and Location:
LOCATION: LANDLOT 245, 12th DISTRICT,

CLAYTON COUNTY, GEORGIA SITE AREA: 4.48 ACRES TOTAL AREA OF DISTURBANCE: 4.45 ACRES

SOIL TYPES: GwE2 (GWIINNETT SANDY CLAY LOAM, 6 TO 10% SLOPES) ERODED. GwC2 (GWIINNETT SANDY CLAY LOAM, 10 TO 25% SLOPES) ERODED.

Wetlands:

THERE **ARE NO WETLANDS** ON OR WITHIN 200' OF THE SITE.

UNNAMED TRIBUTARY TO CONLEY CREEK.

State Waters

THERE ARE NO BUFFERED STATE WATERS ON OR WITHIN 200' OF THE SITE.

Drainage Description
Please refer to the grading plan, prepared by PARAMOUNT ENG. for more specific information concerning proposed drainage patterns & slopes, & stormwater discharge locations.

Slopes After Grading
Maximum Slope is 2:1

Erosion Control Measures

Structural & nonstructural controls will be used onsite to prevent erosion during construction including temporary & permanent grassing, check dams, a filter ring around the pond OCS, silt fencing, & a skimmer on the detention pond OCS.

NTU Value

An NTU value of 75 was selected from Appendix B based on the site size and the surface water drainage area.

1. Site Description

The proposed site will be used for a truck service shop.

Approximately 4.48 acres of disturbed land will be utilized for this development. Silt fencing will be the main component of erosion control measures. However numerous structural and nonstructural controls will be implemented throughout the site. Temporary vegetation as well as permanent vegetation will be strongly utilized and are essential for the development of this complex.

2. Controls

The following controls will be implemented at the construction site:

1. Initial perimeter controls will include silt fencing, silt fencing, retrofit on the pond OCS, & a crushed stone pad to be used at the construction exit.

2. Intermediate grading & drainage BMP's will include inlet & outlet protection, silt fencing, a skimmer on the OCS, & temporary grassing.

3. Final BMPs will include removal and replacement of the retrofit on the pond OCS with a trash rack, permanent grassing, & landscaping.

Stabilization measures will be initiated as soon as practical in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site that has temporarily or permanently ceased. Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceases is precluded by snow cover or other adverse weather conditions, stabilization measures shall be initiated as soon as practical. Where construction activity will resume on a portion of the site within 21 days from when activities ceased, (i.e., the total time period that construction activity is temporarily ceased is less than 21 days) then stabilization measures do not have to be initiated on that portion of the site by the 14h day after construction activity temporarily ceased.

Other Controls

1. Waste disposal. Solid materials, including building materials, will not be discharged to waters of the state, except as authorized by a Section 404 permit.

2. Off-site vehicle tracking of dirt, solids, and sediments and the generation of dust will be minimized or eliminated to the maximum extent practical. A construction exit consisting of a crushed stone pad to minimize off-site vehicle tracking of dirt.

3. The permittee may use any approved facility for waste disposal that he chooses.

4. Petroleum Spills and Leaks

A. Best management practices for prevention of petroleum spills:
All onsite vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers that are clearly labeled. Any petroleum to be stored in tanks will have be surrounded by an earthen berm as a secondary protective measure. Any Asphalt substances used onsite will be applied according to the manufacture's recommendations. Contractors and subcontractors are responsible for inspecting their equipment and providing necessary maintenance to eliminate petroleum spills.

B. Best management practices for remediation of petroleum spills: Manufactures recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures, the location of the information and the cleanup supplies. Materials and equipment necessary for spill cleanup will be available if needed. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose. All spills will be cleaned up immediately after discovery. The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance. Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of size. The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included. The Operator will designate a spill prevention and cleanup coordinator. The contractor is responsible for providing and implementing a spill prevention plan.

a. Permittee requirements.

4. Inspections

(1). Each day when any type of construction activity has taken place at a primary permittee's site, certified personnel provided by the primary permittee shall inspect: (a) all areas at the primary permittee's site where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment; (b) all locations at the primary permittee's site where vehicles enter or exit the site for evidence of off-site sediment tracking. These inspections must be conducted until a Notice of Termination is submitted.

(2). Measure rainfall once every 24 hours except any non-working Saturday, non-working Sunday and non-working Federal holiday until a Notice of Termination is submitted. Measurement of rainfall may be suspended if all areas of the site have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region.

(3). Certified personnel (provided by the primary permittee) shall inspect the following at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches rainfall or greater (unless such storm ends after 5:00 PM on any Friday or on any non-working Saturday, non-working Sunday or any non-working Federal holiday in which case the inspection shall be completed by the end of the next business day and/or working day, whichever occurs first): (a) disturbed areas of the primary permittee's construction site; (b) areas used by the primary permittee for storage of materials that are exposed to precipitation; and (c) structural control measures. Erosion and sediment control measures identified in the Plan applicable to the primary permittee's site shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region, the permittee must comply with Part IV.D.4.a.(4). These inspections must be conducted until a Notice of Termination is submitted.

(4). Certified personnel (provided by the primary permittee) shall inspect at least once per month during the term of this permit (i.e., until a Notice of Termination is received by EPD) the areas of the site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and the receiving water(s). Erosion and sediment control measures identified in the Plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s).

(5). Based on the results of each inspection, the site description and the pollution prevention and control measures identified in the Erosion, Sedimentation and Pollution Control Plan, the Plan shall be revised as appropriate not later than seven (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7) calendar days following each inspection.
(6). A report of each inspection that includes the name(s) of personnel making each

(6). A report of each inspection that includes the name(s) of personnel making each inspection, the date(s) of each inspection, major observations relating to the implementation of the Erosion, Sedimentation and Pollution Control Plan, and actions taken in accordance with Part IV.D.4.a.(4). A copy of the permit shall be made and retained at the site or be readily available at a designated alternate location until the entire site or that portion of a construction project that has been phased has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports shall identify any incidents of non-compliance. Where the report does not identify any incidents of non-compliance, the report shall contain a certification that the construction site is in compliance with the Erosion, Sedimentation and Pollution Control Plan and this permit. The report shall be signed in accordance with Part V.G.2. of this permit.

5. Maintenance

a. Inspections of erosion control measures will be performed and corrective action taken when needed

clean-out elevations of ponds

b. The permittee shall maintain all erosion control measures until permanent vegetation has been established.

c. The permittee shall clean out all sediment ponds when required by the engineer.d. Accumulated silt shall be removed when the silt is two-thirds full. See sediment pond design for the silt is two-thirds.

6. Sampling Requirements

This permit requires the monitoring of nephelometric turbidity in receiving water(s) or outfalls in accordance with this permit. This paragraph shall not apply to any land disturbance associated with the construction of single-family homes which are not part of a subdivision or planned common development unless five (5) acres or more will be disturbed. The following procedures constitute EPD's guidelines for sampling turbidity.

a. Sampling Requirements shall include the following:

(1) A USGS topographic map, a topographic map or a drawing (referred to as a topographic map) that is a scale equal to or more detailed than a 1:24000 map showing the location of the site or the stand alone construction; (a) the location of all perennial and intermittent streams and other water bodies as shown on a USGS topographic map, and all other perennial and intermittent streams and other water bodies located during mandatory field verification, into which the storm water is discharged and (b) the receiving water and/or outfall sampling locations. When the permittee has chosen to use a USGS topographic map and the receiving water(s) is not shown on the USGS topographic map, the location of the receiving water(s) must be hand-drawn on the USGS topographic map from where the storm water(s) enters the receiving water(s) to the point where the receiving water(s) combines with the first blue line stream shown on the USGS topographic map;

(2). A written narrative of site specific analytical methods used to collect, handle and analyze the samples including quality control/quality assurance procedures. This narrative must include precise sampling methodology for each sampling location;

(3) . When the permittee has determined that some or all outfalls will be sampled, a rationale must be included on the Plan for the NTU limit(s) selected from Appendix B. This rationale must include the size of the construction site, the calculation of the size of the surface water drainage area, and the type of receiving water(s) (i.e., trout stream or supporting warm water fisheries);

(4). Any additional information EPD determines necessary to be part of the Plan. EPD will provide written notice to the permittee of the information necessary and the time line for submittal.

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

(1). Sample containers should be labeled prior to collecting the samples.(2). Samples should be well mixed before transferring to a secondary container.(3). Large mouth, well cleaned and rinsed glass or plastic jars should be used for

(3). Large mouth, well cleaned and rinsed glass or plastic jars should be used for collecting samples. The jars should be cleaned thoroughly to avoid contamination.(4). Manual, automatic or rising stage sampling may be utilized. Samples required by this permit

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

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

c. Sampling Points.

(1). For construction activities the primary permittee must sample all receiving water(s), or all outfall(s), or a combination of receiving water(s) and outfall(s). Samples taken for the purpose of compliance with this permit shall be representative of the monitored activity and representative of the water quality of the receiving water(s) and/or the storm water outfalls using the following minimum guidelines:

(a). The upstream sample for each receiving water(s) must be taken immediately upstream of the confluence of the first storm water discharge from the permitted activity (i.e., the discharge farthest upstream at the site) but downstream of any other storm water discharges not associated with the permitted activity. Where appropriate, several upstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the upstream turbidity value. (b). The downstream sample for each receiving water(s) must be taken downstream of the confluence of the last storm water discharge from the permitted activity (i.e., the discharge farthest downstream at the site) but upstream of any other storm water discharge not associated with the permitted activity. Where appropriate, several downstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the downstream turbidity value.

(c). Ideally the samples should be taken from the horizontal and vertical center of the receiving water(s) or the storm water outfall channel(s).

(d). Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall storm water channel.

(e). The sampling container should be held so that the opening faces upstream.

(f) The samples should be kept free from floating debris

(f). The samples should be kept free from floating debris.
(g). Permittee's do not have to sample sheet-flow that flows onto undisturbed natural areas or areas stabilized by the project. For purposes of this section, stabilized shall mean, for unpaved areas and areas not covered by permanent structures and areas located outside the waste disposal limits of a landfill cell that has been certified by EPO for waste disposal, 100% of the soil surface is uniformly covered in permanent vegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas), or equivalent permanent stabilization measures as defined in the Manual (excluding a crop 'of annual vegetation and a seeding of target crop perennials appropriate for the region).
(h). All sampling pursuant to this permit must be done in such a way (including generally

accepted sampling methods, locations, timing, and frequency) as to accurately reflect whether storm water runoff from the construction site is in compliance with the standard set forth in Parts 111.D.3. or 111.D.4 .. , whichever is applicable.

d. Sampling Frequency.

(1). The primary permittee must sample in accordance with the Plan at least once for each rainfall event described below. For a qualifying event, the permittee shall sample at the beginning of any storm water discharge to a monitored receiving water and/or from a monitored outfall location within in forty-five (45) minutes or as soon as possible.
 (2) . However, where manual and automatic sampling are impossible (as defined in this permit), or are beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the storm water discharge.
 (3). Sampling by the permittee shall occur for the following qualifying events:

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

(b). In addition to (a) above, for each area of the site that discharges to a receiving water

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

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

(d). Where sampling pursuant to (a), (b) or (c) above is required but not possible (or not required because there was no discharge), the permittee, in accordance with Part IV.D.4.a.(6), must include a written justification in the inspection report of why sampling was not performed. Providing this justification does not relieve the permittee of any subsequent sampling obligations under (a), (b) or (c) above; and

(e). Existing construction activities, i.e., those that are occurring on or before the effective date of this permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities that have met the sampling required by (b) above shall not be required to conduct additional sampling other than as required by (c) above.

*Note that the permittee may choose to meet the requirements of (a) and (b) above by collecting turbidity samples from any rain event that reaches or exceeds 0.5 inch and allows for sampling at any time of the day or week.

7. Non-storm water discharges

c. The date(s) analyses were performed;

Except for flows from fire fighting activities, sources of non-storm water listed in Part 111.A.2. of this permit that are combined with storm water discharges associated with construction activity must be identified in the Plan. The Plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

E. Reporting

1. The applicable permittee's are required to submit the sampling results to the EPD at the address shown in Part II.C. by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible format. Upon written notification, EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Sampling and analysis of any storm water discharge(s) or the receiving water(s) beyond the minimum frequency stated in this permit must be reported in a similar manner to the EPD.

The sampling reports must be signed in accordance with Part V.G.2. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.

2. All sampling reports shall include the following information:

2. All sampling reports shall include the following information:a. The rainfall amount, date, exact place and time of sampling or measurements;b. The name(s) of the certified personnel who performed the sampling and measurements;

d. The time(s) analyses were initiated;e. The name(s) of the certified personnel who performed the analyses;f. References and written procedures, when available, for the analytical techniques or

g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results;
h. Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU;" and

i. Certification statement that sampling was conducted as per the Plan.
3. All written correspondence required by this permit shall be submitted by return receipt certified mail (or similar service) to the appropriate District Office of the EPD according to the schedule in Appendix A of this permit. The permittee shall retain a copy of the proof of submittal at the construction site or the proof of submittal shall be readily available at a designated location from commencement of construction until such time as a NOT is submitted in accordance with Part VI. If an electronic submittal is provided by EPD then the written correspondence may be submitted electronically; if required, a paper copy must also

be submitted by return receipt certified mail or similar service.

Submit sampling reports for this project to:

Address: Mountain District - Atlanta Satellite Georgia Environmental Protection Division 4244 International Parkway, Suite 114 Atlanta, Georgia 30354-3906 (404) 362-2671

F. Retention of Records

1. The primary permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part VI:

a. A copy of all Notices of Intent submitted to EPD;

b. A copy of the Erosion, Sedimentation and Pollution Control Plan required by this permit; c. The design professional's report of the results of the inspection conducted in accordance with Part IV.A.5 of this permit;

d. A copy of all sampling information, results, and reports required by this permit; e. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this permit; f. A copy of all violation summaries and violation summary reports generated in accordance with Part III.D.2 of this permit; and

g. Daily rainfall information collected in accordance with Part IV.D.4.a.(2). of this permit.

2. Copies of all Notices of Intent, Notices of Termination , inspection reports, sampling reports (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) or other reports requested by the EPD, Erosion, Sedimentation and Pollution Control Plans, records of all data used to complete the Notice of Intent to be covered by this permit and all other records required by this permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the NOT is submitted in accordance with Part VI. of this permit. These records must be maintained at the permittee's primary place of business or at a designated alternative location once the construction activity has ceased at the permitted site. This period may be extended by request of the EPD at any time upon written notification to the permittee.

8. Plan Preparation and Compliance

IV.A(5) For stand alone projects that begin construction activity after the effective date of this permit, the primary permittee must retain the design professional who prepared the Erosion, Sedimentation and Pollution Control Plan, except when the primary permittee has requested in writing and EPD has agreed to an alternate design professional, to inspect the installation of the initial sediment storage requirements and perimeter control BMP's which the design professional designed within seven (7) days after installation. The design professional shall determine if these BMP's have been installed and are being maintained as designed. The design professional shall report the results of the inspection to the primary permittee within seven (7) days and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report from the design professional unless weather related site conditions are such that additional time is required.

Certification

"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."

GEORGE P. HARPER, PE.

06//2//8

DATE

Certification

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR 100001."

Georgia Licensed Professional

O6//2//8

Date

Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that certified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Date

Primary Permittee

Product Specific Practices

Petroleum Based Products -Containers for products such as fuels, lubricants, and tars will be inspected daily for leaks and spills. This includes onsite vehicles and machinery daily inspections and regular preventative maintenance of such equipment. Equipment maintenance areas will be located away from State Waters, natural drains, and storm water drainage inlets. In addition, temporary fueling tanks shall have a secondary containment liner to prevent/minimize site contamination. Discharge of oils, fuels, and lubricants is prohibited. Proper disposal methods will include collection in a suitable container and disposal as required by local and State regulations.

Paints/Finishes/Solvents -All products will be stored in tightly sealed original containers when not in use. Excess product will not be discharged to the storm water collection system. Excess product, materials used with these products, and product containers will be disposed of according to manufacturer's specifications and recommendations.

Concrete Truck Washing -NO concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water onsite.

Fertilizer/Herbicides -These products will be applied at rates that do not exceed the manufacturer's specifications or above the guidelines set forth in the crop establishment or in the GSWCC Manual for Erosion and Sediment Control in Georgia. Any storage of these materials will be under roof in sealed containers.

Building Materials -No building or construction materials will be buried or disposed of onsite. All such material will be disposed of in proper waste disposal procedures.

All hazardous waste materials will be disposed of in the manner specified by local,

Hazardous Wastes

state, and/or federal regulations and by the manufacturer of such products. The job site superintendent, who will also be responsible for seeing that these practices are followed, will instruct site personnel in these practices. Material Safety Data Sheets (MSDS's) for each substance with hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. An MSDS will be posted in the immediate area where such product is stored and/or used and another copy of each MSDS will be maintained in the ESPCP file at the job site construction trailer office. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the specific information in the applicable MSDS for the product he/she is using, particularly regarding spill control techniques.

The contractor will implement the Spill Prevention Control and Countermeasures (SPCC) Plan found within this ESPCP and will train all personnel in the proper cleanup and handling of spilled materials. No spilled hazardous materials or hazardous wastes will be allowed to come in contact with stormwater discharges. If such contact occurs, the stormwater discharge will be contained on site until appropriate measures in compliance with state and federal regulations are taken to dispose of such contaminated stormwater. It shall be the responsibility of the job site superintendent to properly train all personnel in the use of the SPCC plan.

Sanitary Wastes

A minimum of one portable sanitary unit will be provided for every ten (10) workers on the site. All sanitary waste will be collected from the portable units a minimum of one time per week by a licensed portable facility provider in complete compliance with local and state regulations.

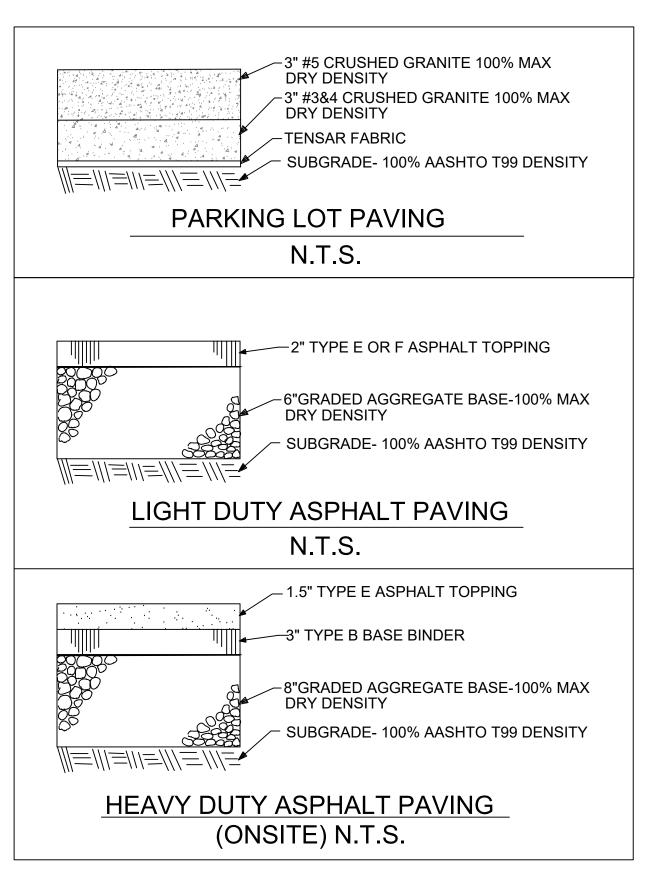
All sanitary waste units will be located in one area where the likelihood of the unit contributing to storm water discharge is negligible. Additional containment BMP's must be implemented, such as gravel bags or specially designed plastic skid containers around the base to prevent wastes from contributing to storm water discharges. The location of sanitary waste units must be identified on the ES&PC Plan by the contractor once the locations have been determined.

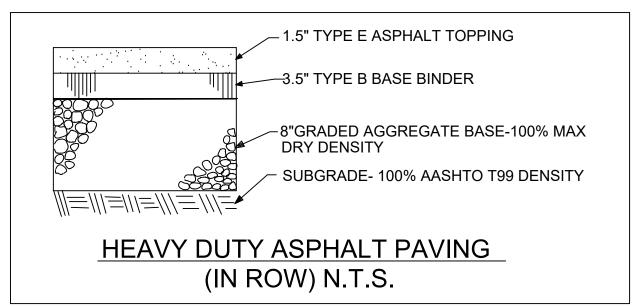
Sanitary Sewer will be provided by Municipal Authority at the completion of this Project.

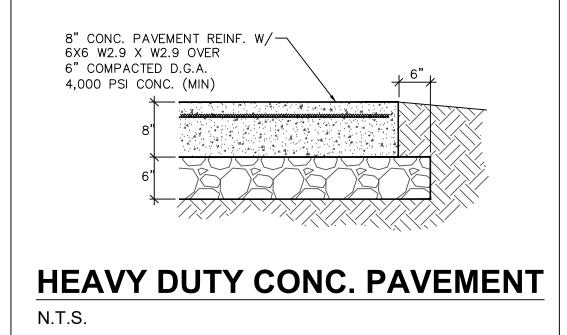
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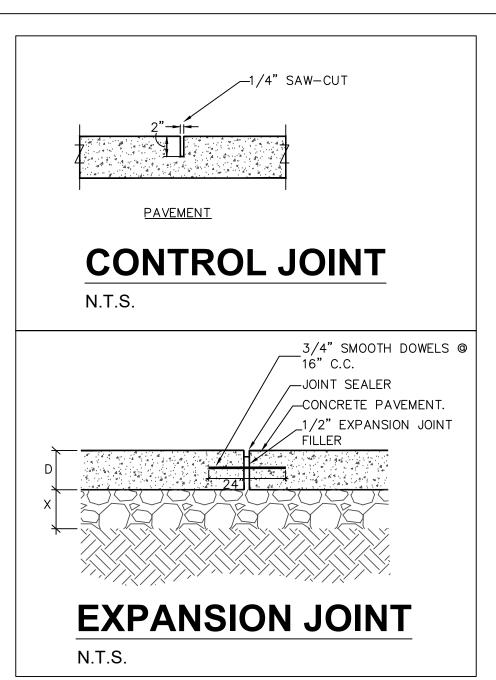
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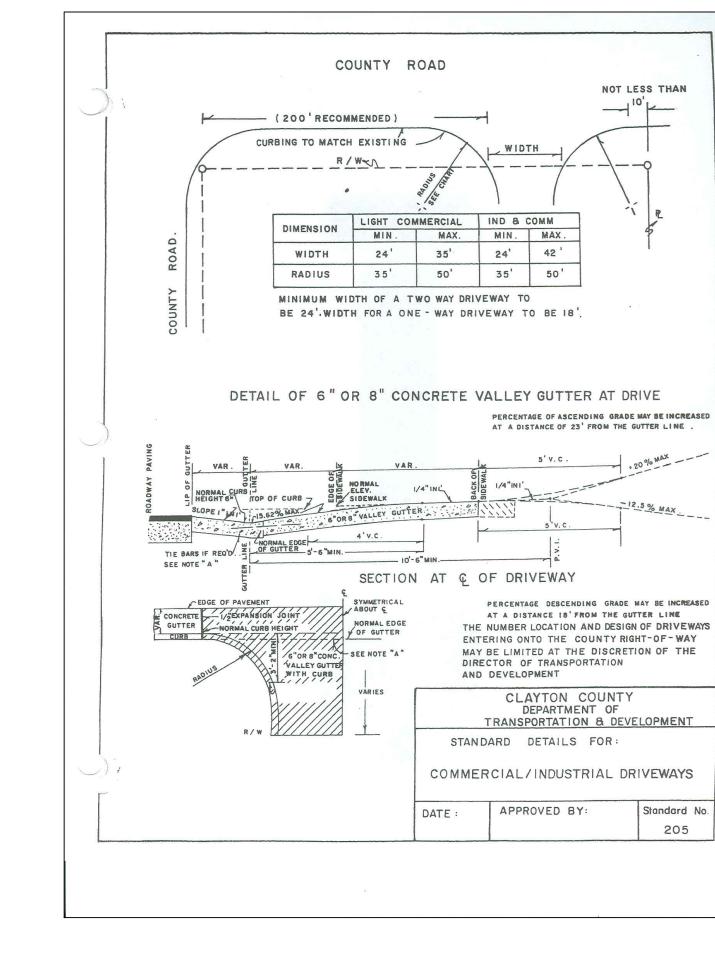
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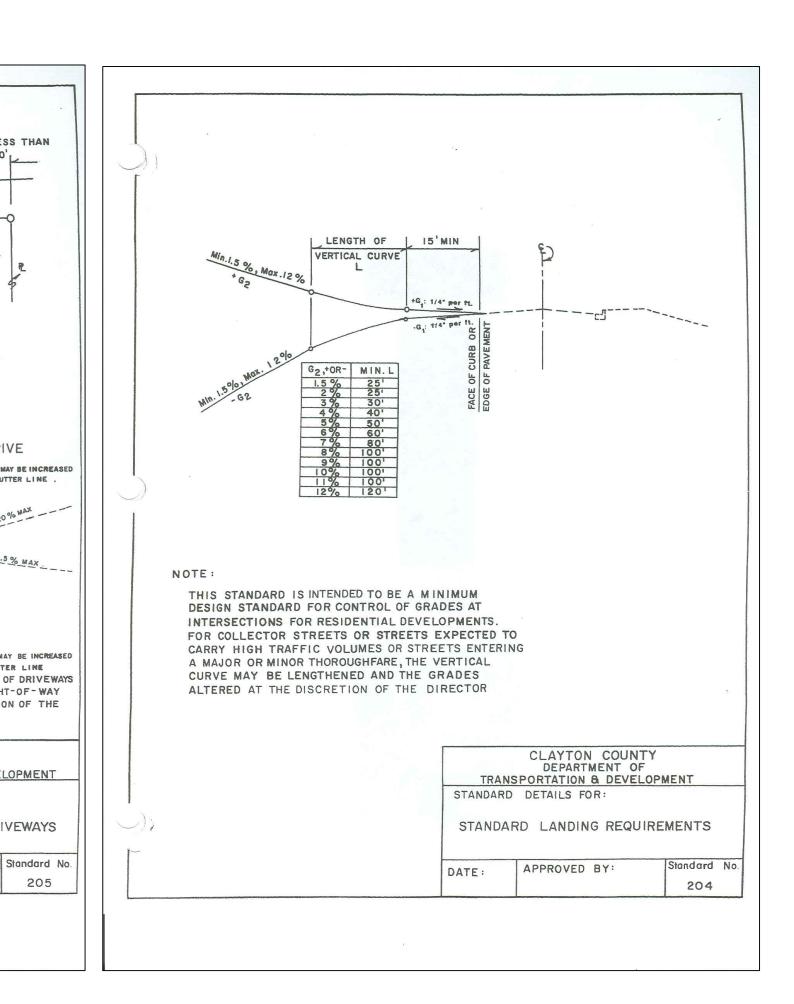


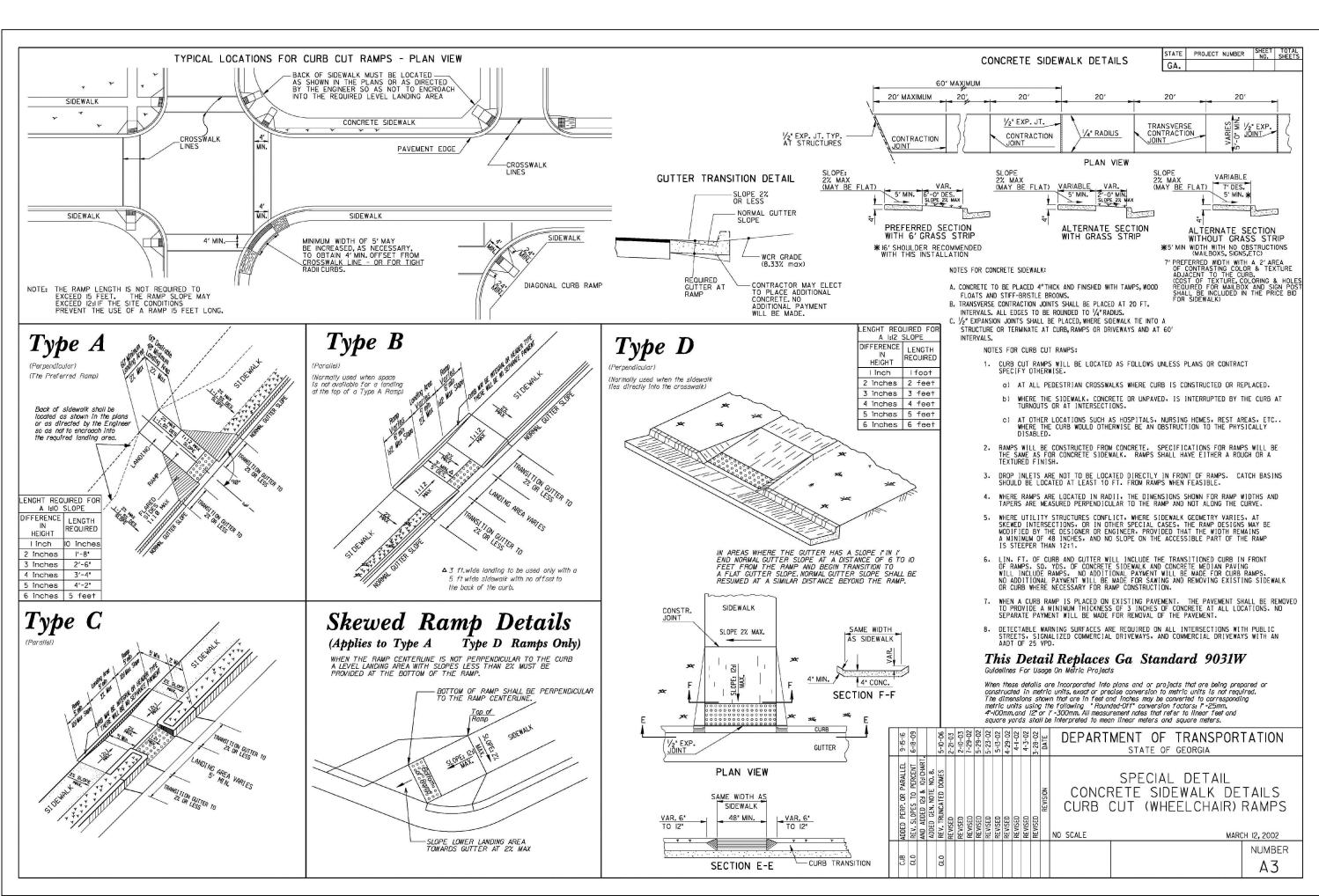


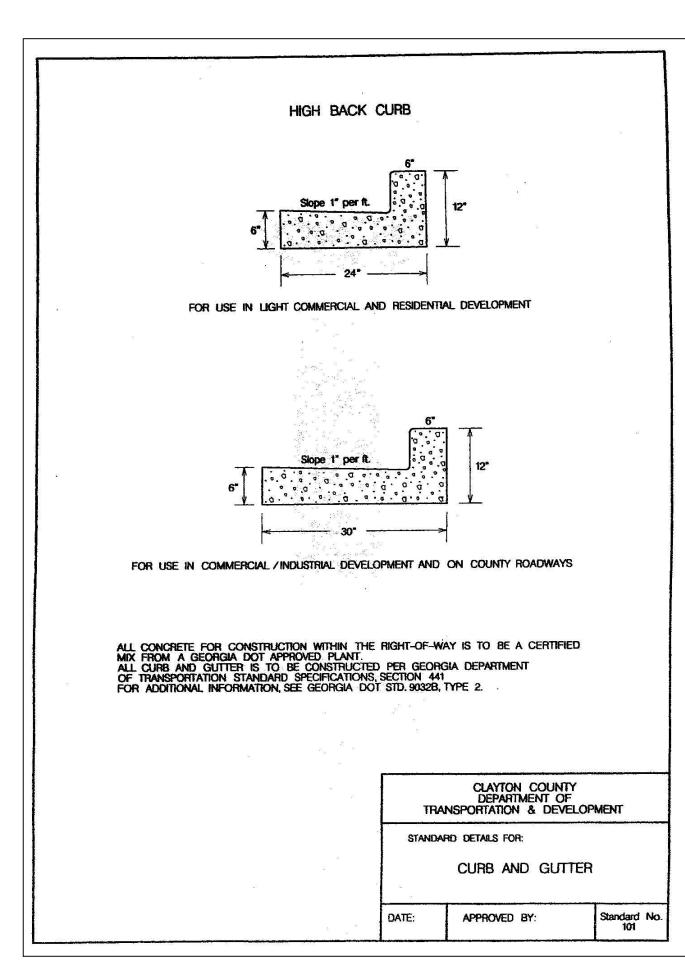


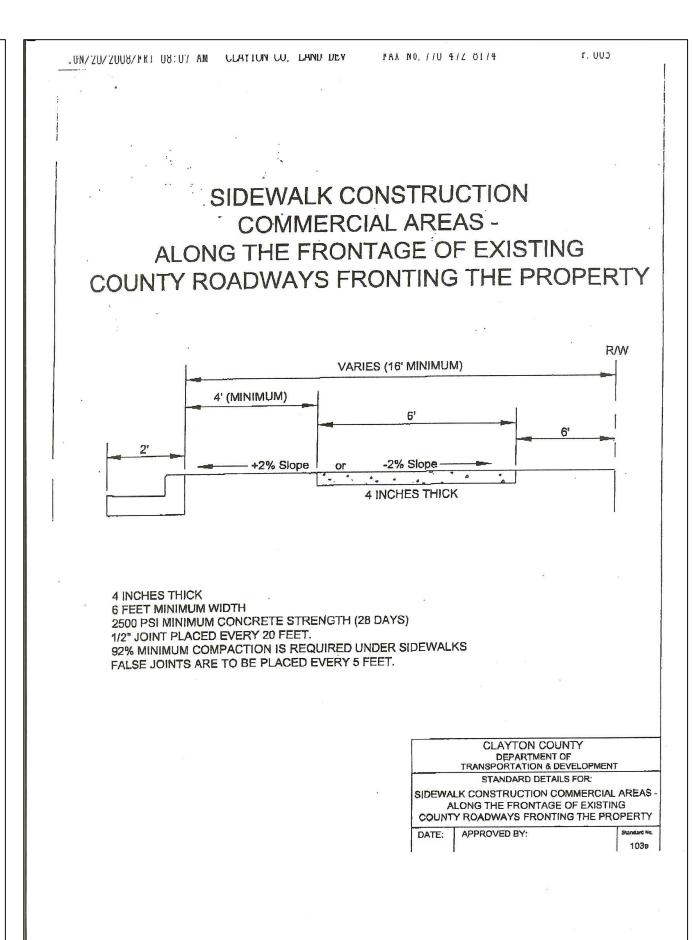


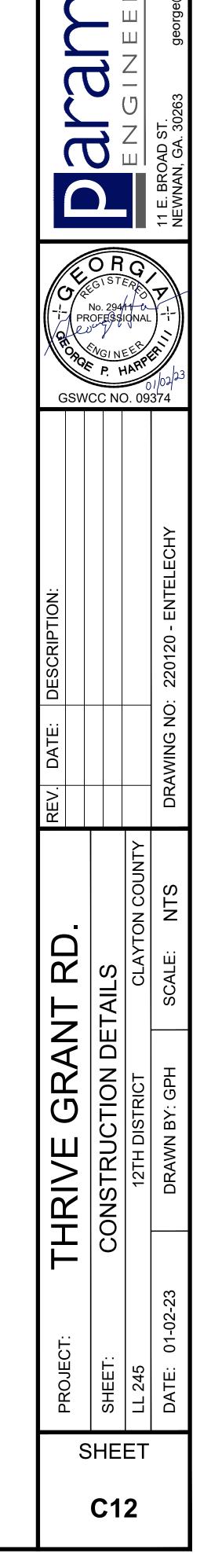


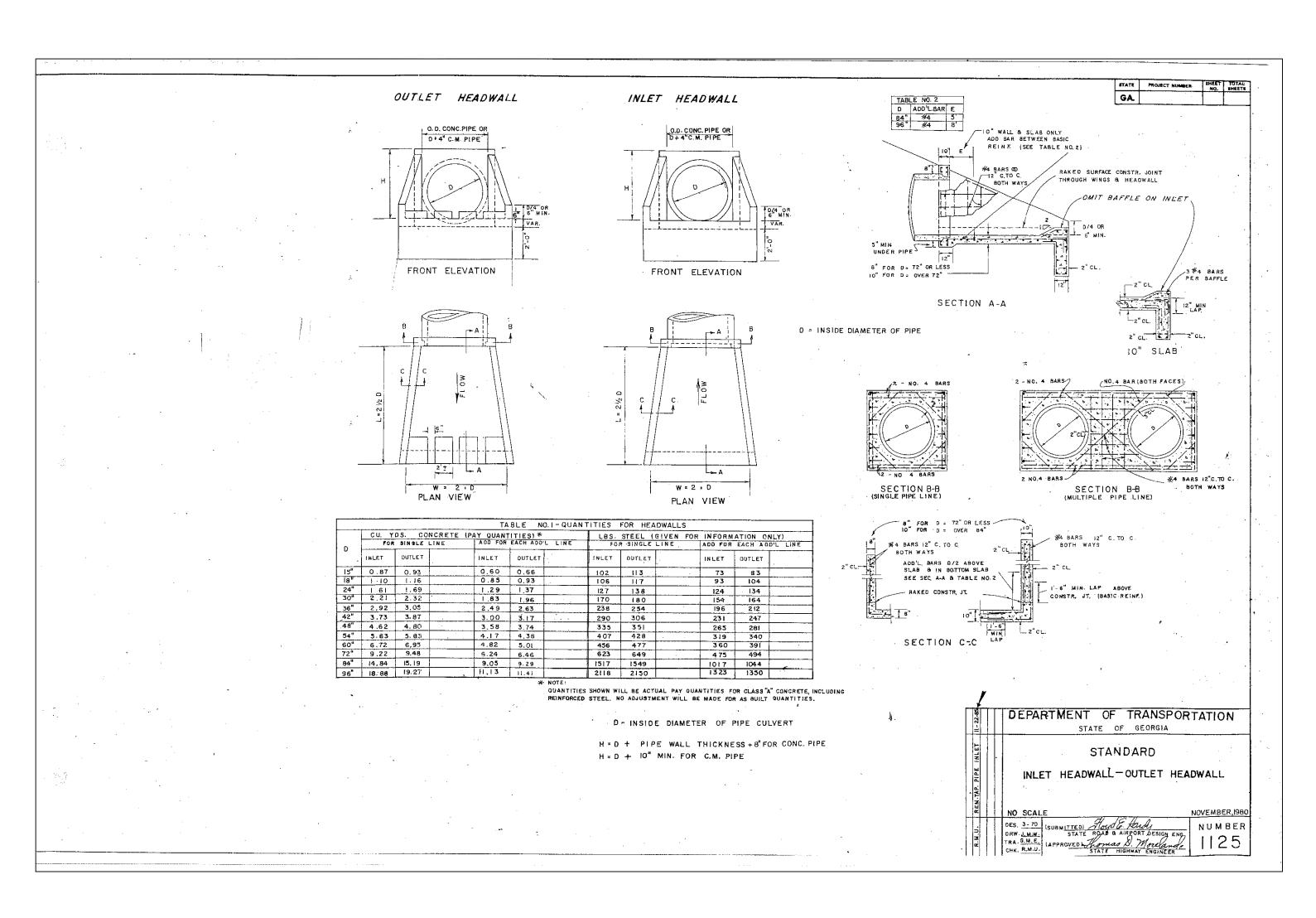


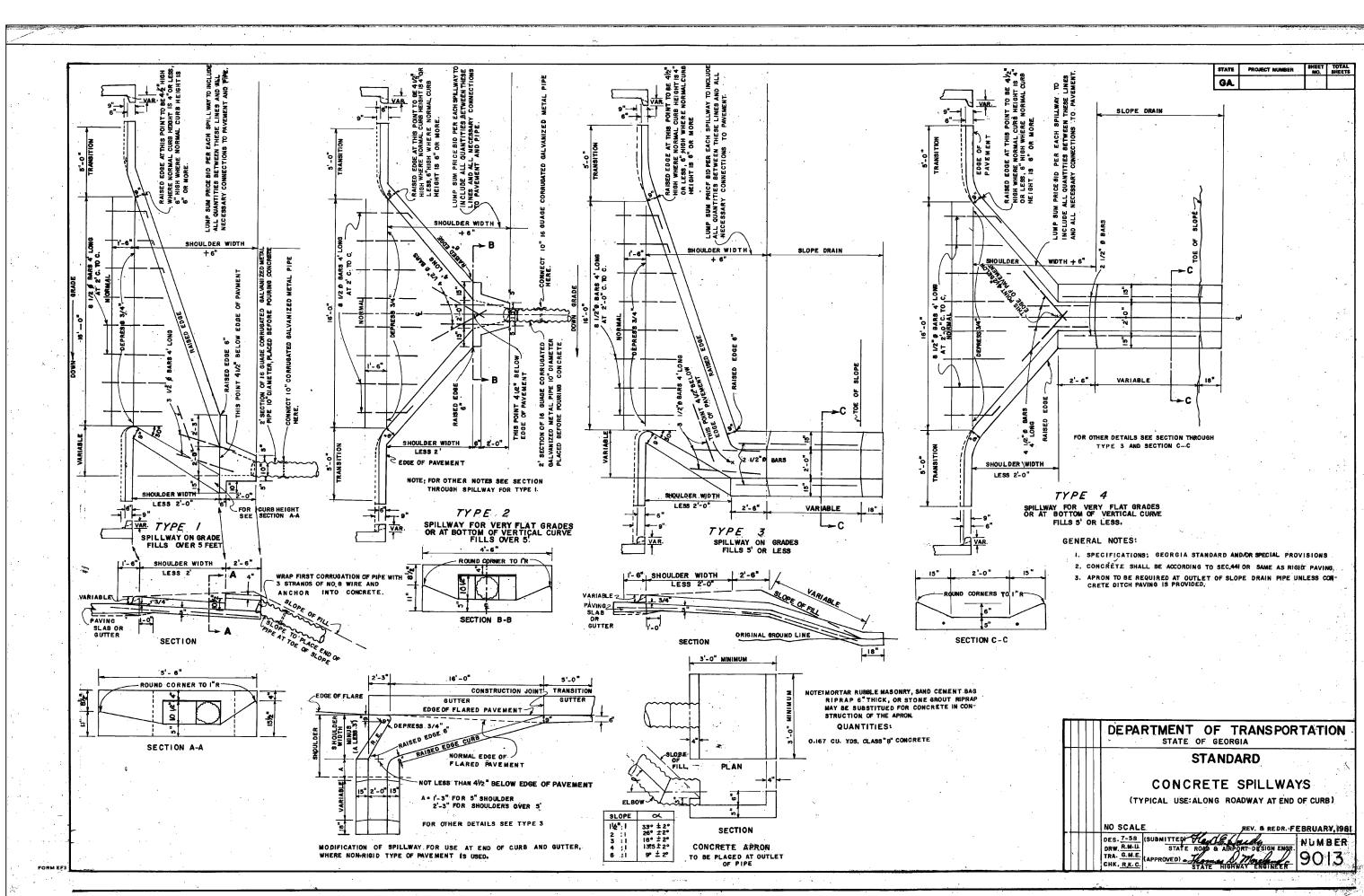


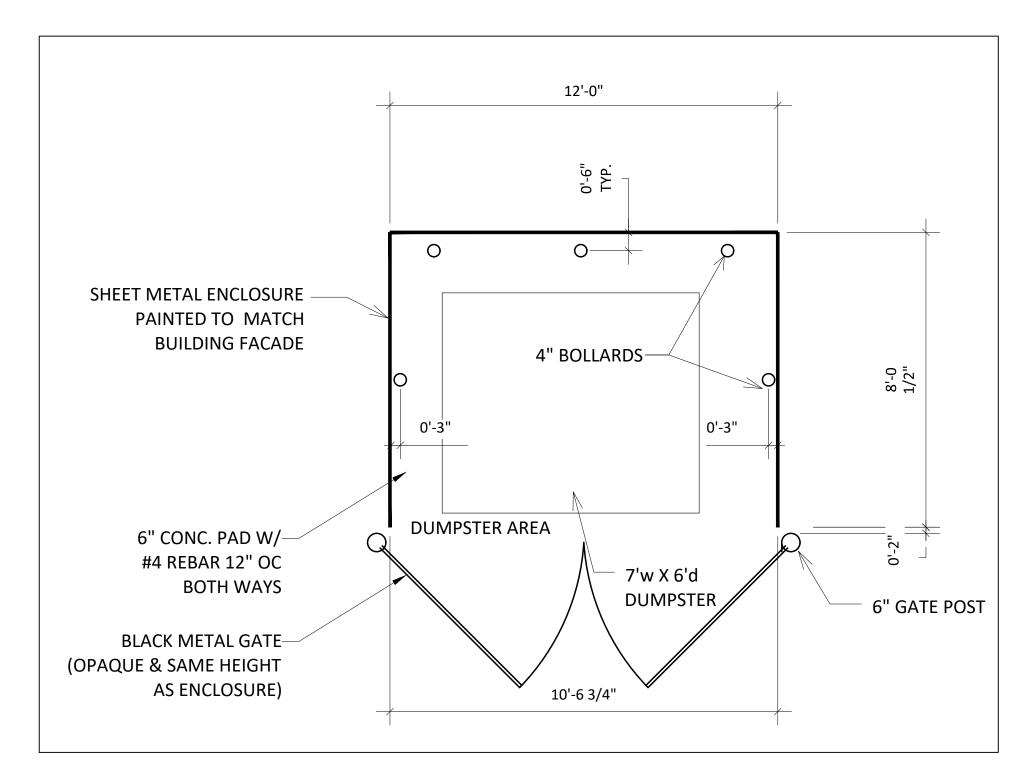






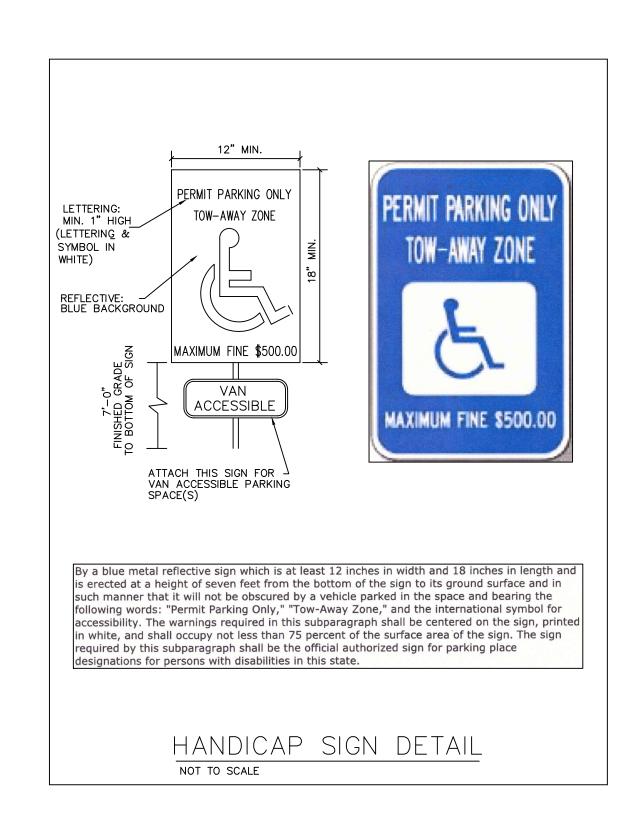


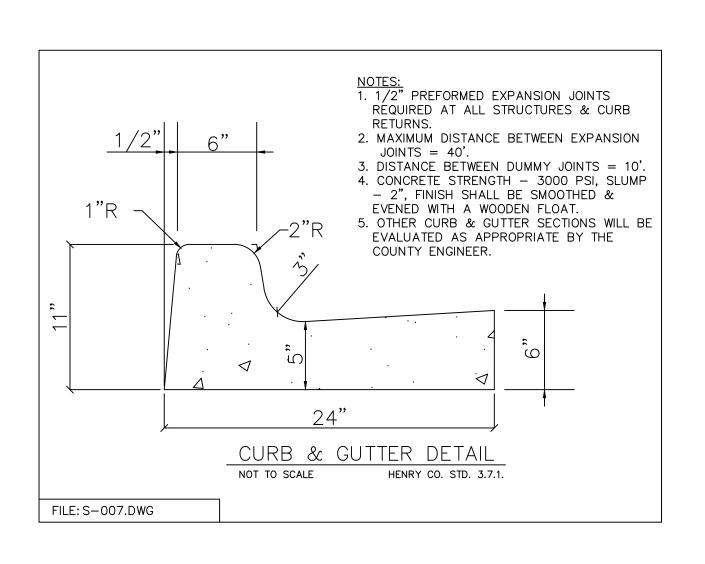




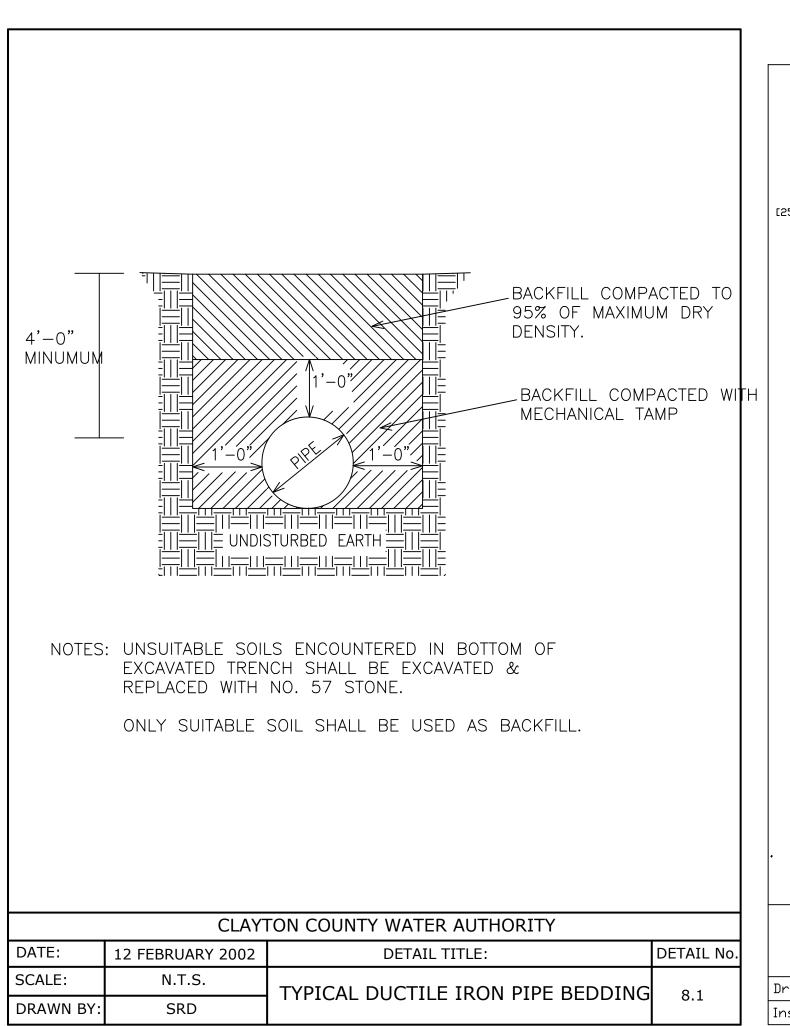
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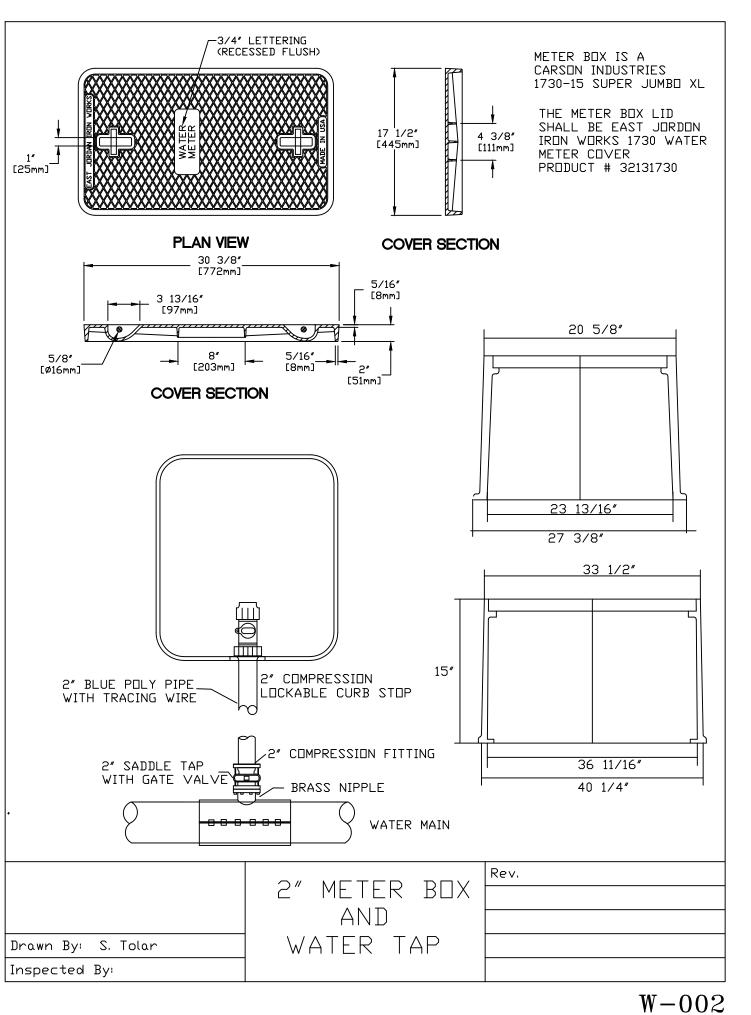
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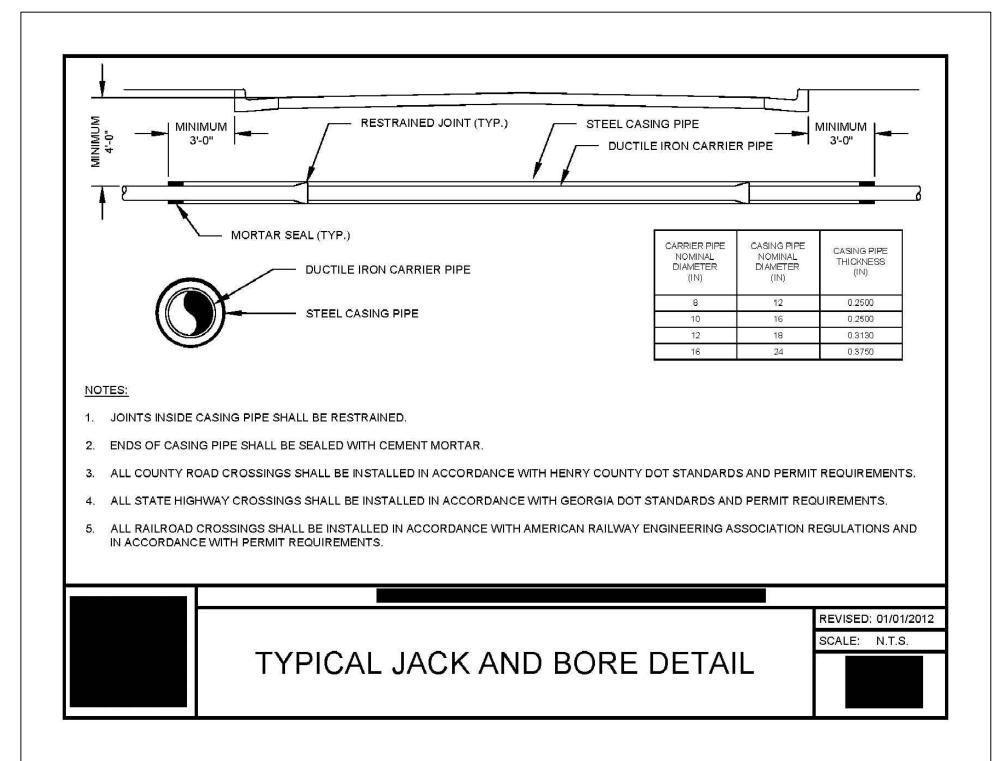


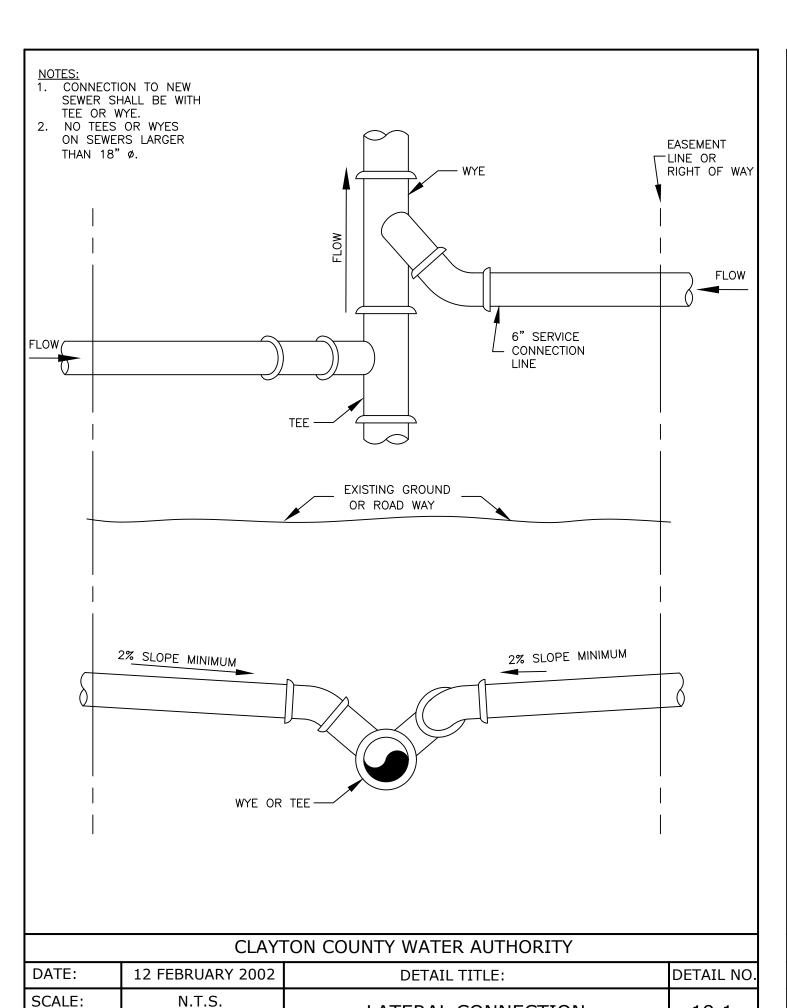


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	DATE: 01-02-23	3 DRAWN BY: GPH	SCALE: NTS	DRAWING NO: 220120 - ENTELECHY	//////	11 E. BROAD ST. NEWNAN, GA. 30263	PH: (770)-473-9576 george@paramountengineering.com







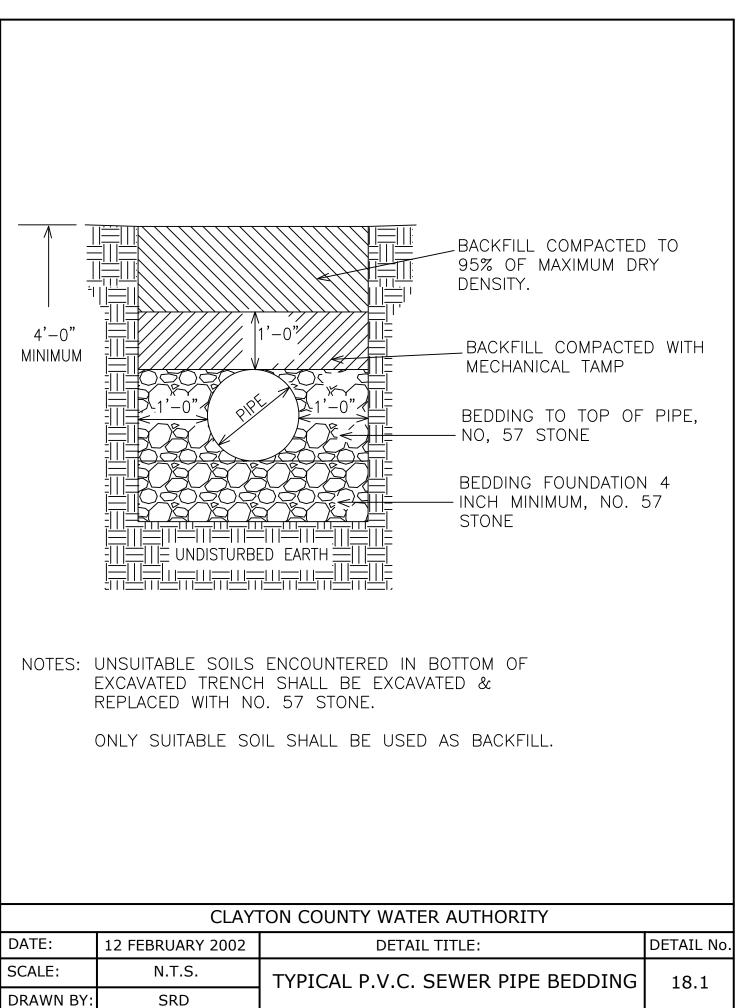


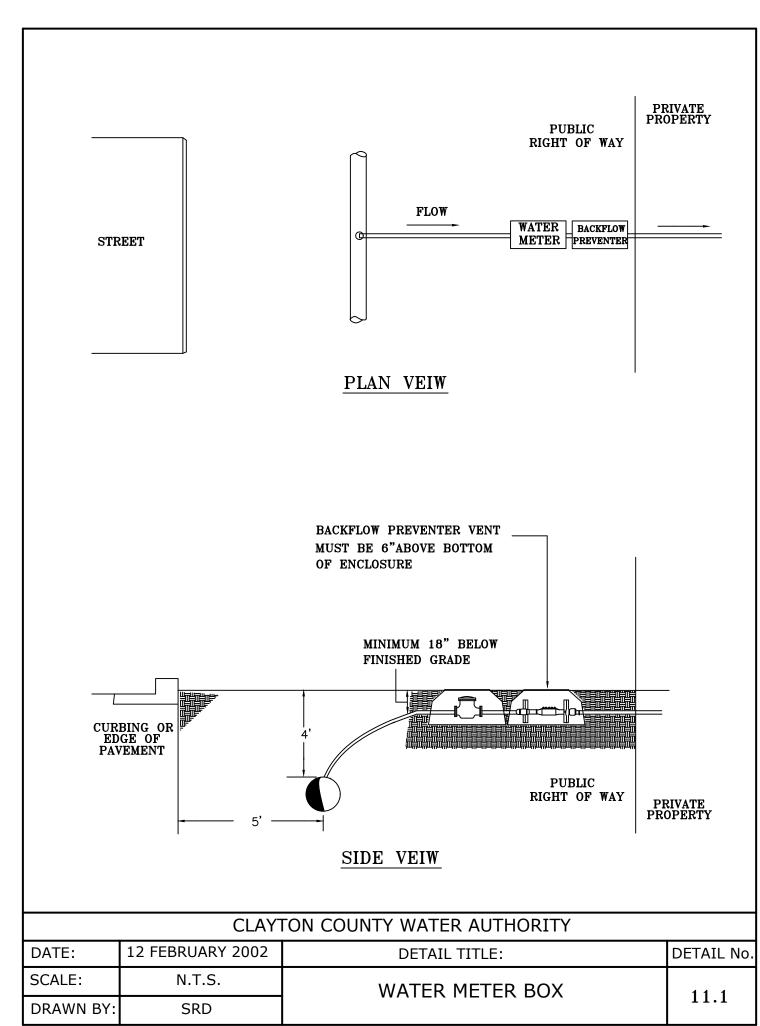
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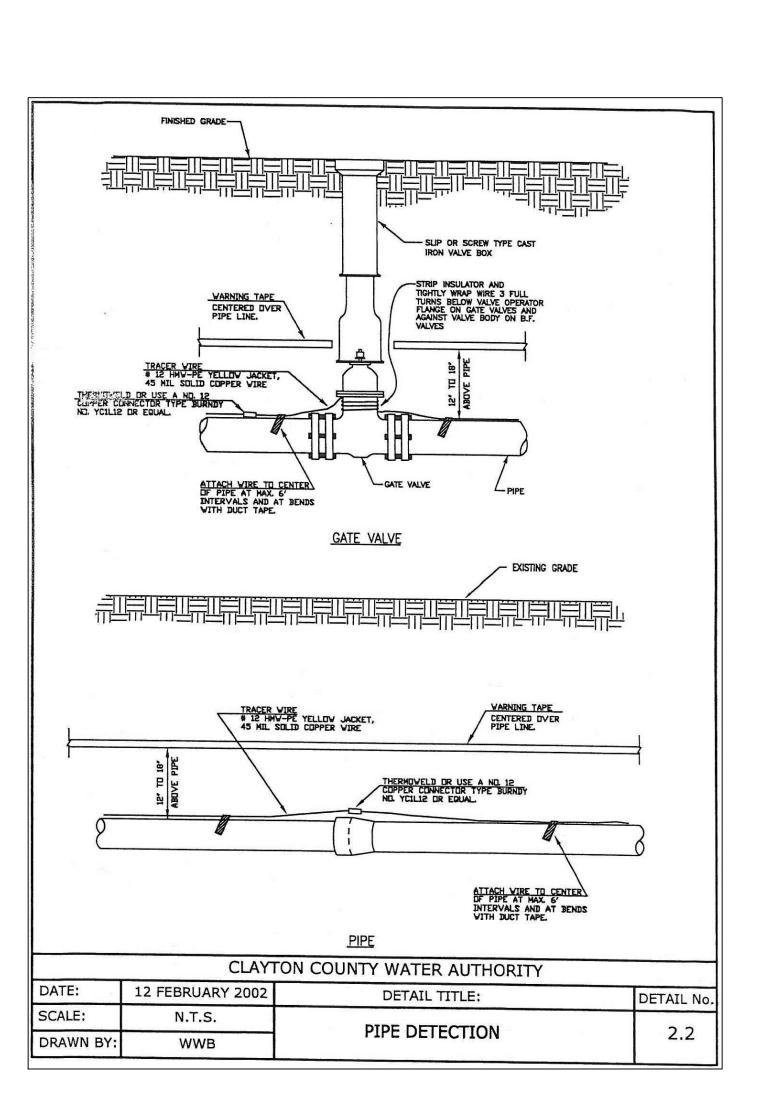
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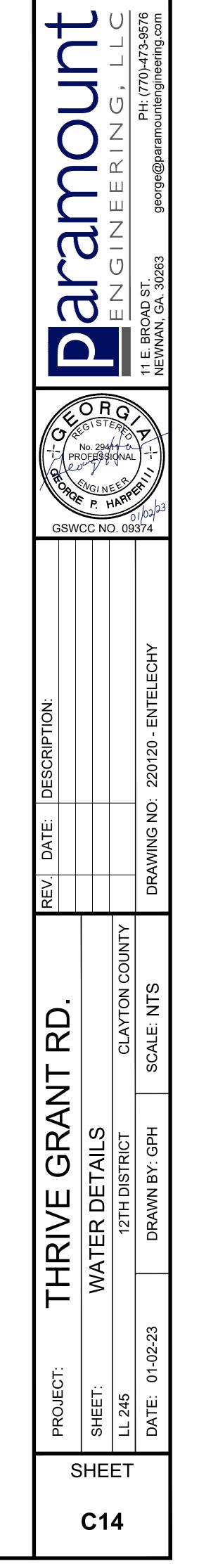
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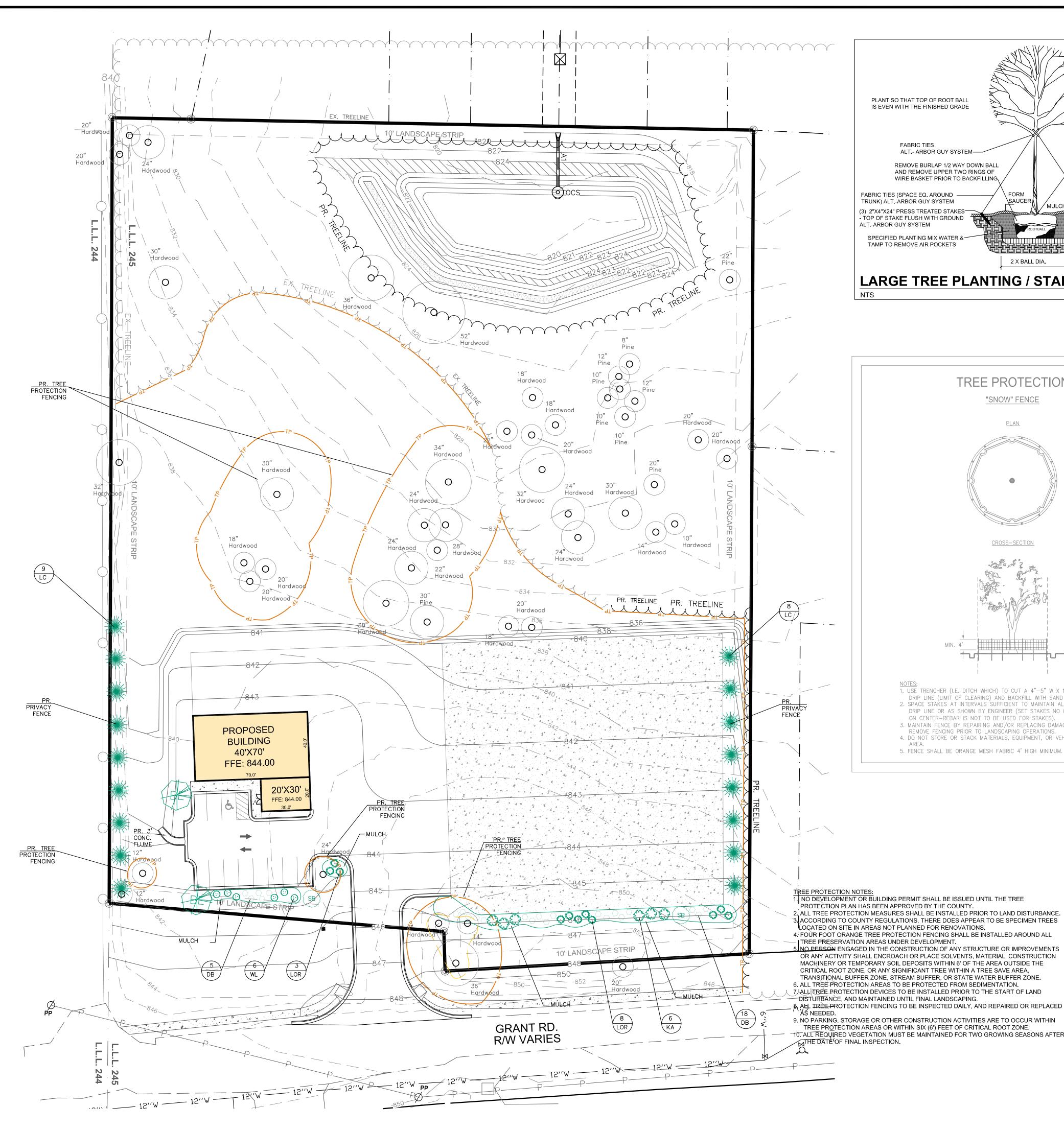
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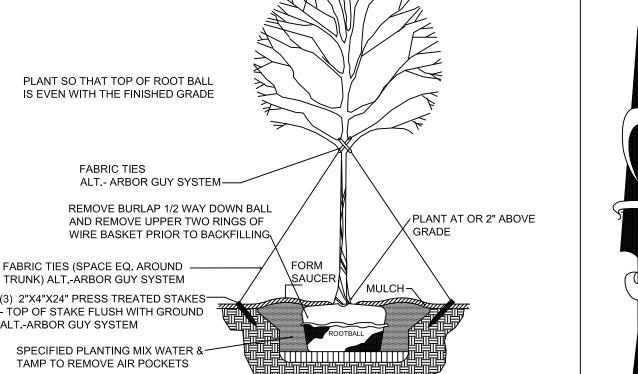












LARGE TREE PLANTING / STAKING DETAIL

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
- 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.

TREE PROTECTION "SNOW" FENCE CROSS-SECTION NOTES: 1. USE TRENCHER (I.E. DITCH WHICH) TO CUT A 4"-5" W X 18" D TRENCH ALONG DRIP LINE (LIMIT OF CLEARING) AND BACKFILL WITH SAND AND LIGHTLY COMPACT. 2. SPACE STAKES AT INTERVALS SUFFICIENT TO MAINTAIN ALL FENCING OUT OF DRIP LINE OR AS SHOWN BY ENGINEER (SET STAKES NO GREATER THAN 6 FEET ON CENTER-REBAR IS NOT TO BE USED FOR STAKES). 3. MAINTAIN FENCE BY REPAIRING AND/OR REPLACING DAMAGED FENCE. DO NOT REMOVE FENCING PRIOR TO LANDSCAPING OPERATIONS. 4. DO NOT STORE OR STACK MATERIALS, EQUIPMENT, OR VEHICLES WITHIN FENCED 5. FENCE SHALL BE ORANGE MESH FABRIC 4' HIGH MINIMUM.

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 If perimeter = 1792If/30= 60 shrubs

Note: required foundation plantings planted in street frontage area.

2. TOTAL AREA IN LS/GRASS/EX. VEGETATION= 125,174 SQFT = 64 % OF THE SITE

3. TREE DENSITY REQUIREMENTS:

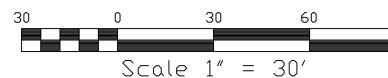
-TOTAL RDF REQUIRED: 4.48 AC. X 20 UNITS PER ACRE= 89.7 RDF REQ'D.

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					
ВЕ	BOSQUE ELM/ULMUS PARVIFOLIA	2	2.5" CAL./8' HIGH	50 FT.	8.0	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
SHRUBS/EVERGREEN GROUNDCOVERS				TOTAL UN	NITS = 16.	.2 UNIT
DB	DWF. BURFORDI HOLLY/ILEX CORNUTA BURFORDI NANA	63	5 gal. / 3' HIGH	4.5'		
ΚA	KALEIDOSCOPE ABELIA/ABELIA GRANDIFLORA 'K'	6	5 gal. / 3' HIGH	5'		
OR	DWARF RED LOROPETALUM / LOR. CHINENSE	46	3 GAL./3' HIGH	AS SH.		
WL	WAVY LIGUSTRUM/LIG. JAPONICUM RECURVIFOLIUM	6	5 gal. / 3' HIGH	4'		

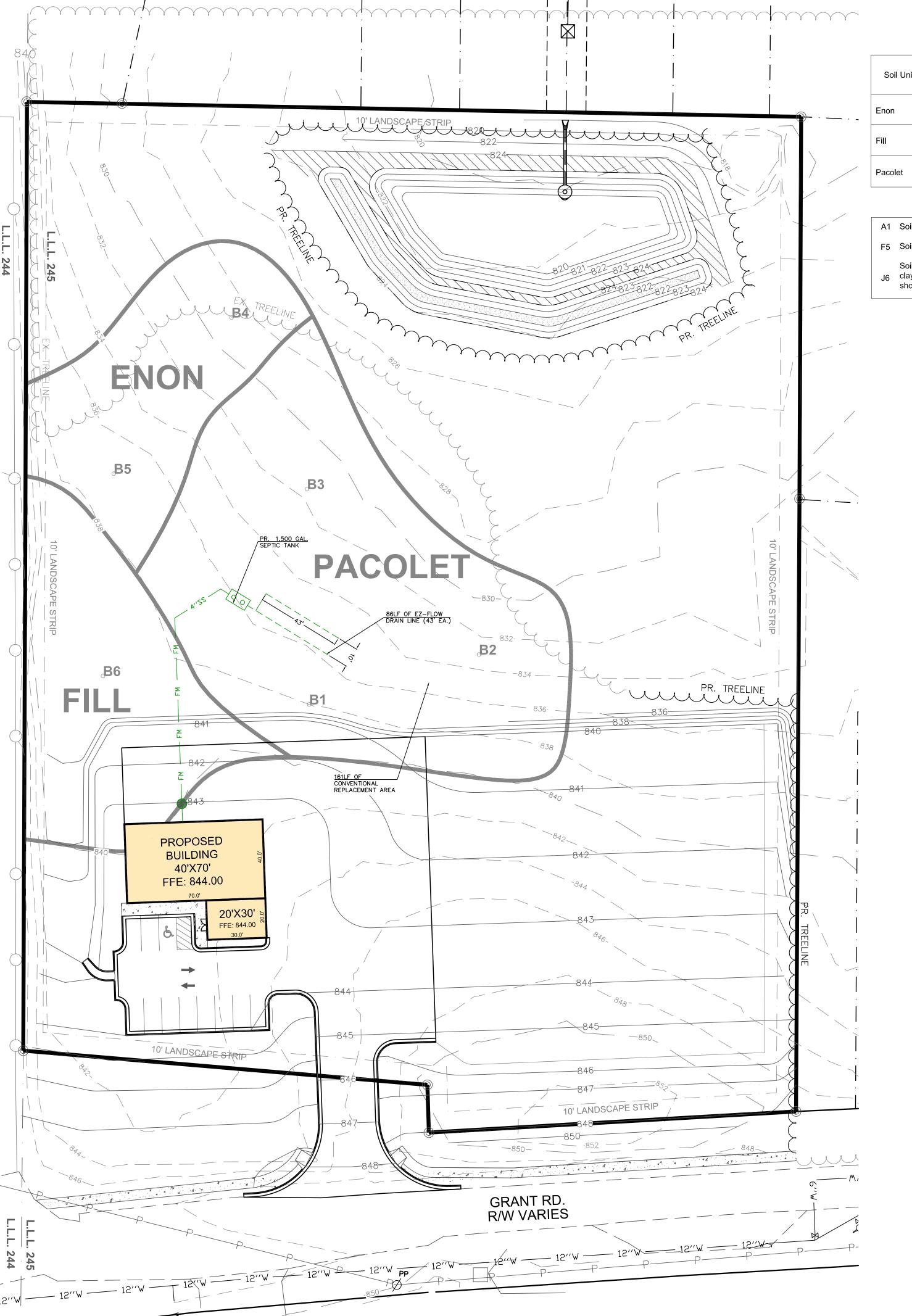


GSWCC NO. 09374

THRIVE

SHEET

LS



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 J6 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:

- 1. TOTAL SITE AREA IS 4.48 Ac.
- TOTAL DISTURBED AREA IS 4.45 Ac.
- 2. 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. 3. FIELD LINES ARE TO BE A MIN. OF 10-FEET FROM
- PROPERTY LINES AND BUILDINGS.
- 4. ALL LINES AND SEEPAGE PITS TO BE A MIN. OF 5-FEET FROM EXISTING OR PROPOSED PARKING AREAS. 5. ALL TANKS & DISTRIBUTION BOXES TO BE STANDARD PRE-CAST
- & FURNISHED FROM APPROVED MANUFACTURER. 6. 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 7. THE PERK RATE USE FOR DESIGN IN MADISON VARIANT SOIL WAS 60 MPI.
- 8. BOUNDARY INFORMATION TAKEN FROM PLAT PREPARED BY SOUTHSIDE SURVEYING & PLANING.

SEPTIC SYSTEM DESIGN DATA:

SITE USE- VEHICLE SERVICE (250 PER COMMODE OR URINAL [1]) TOTAL FLOW = 250 GPD

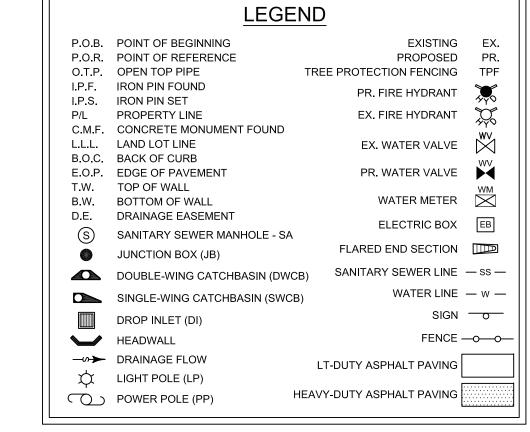
USE PERK RATE = 60 MIN/IN.

PERCOLATION COEFFICIENT = 160 /5 = 1.55 PRIMARY TRENCH BOTTOM AREA = 300 X 1.61 = 388 SQFT. 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



Scale 1" = 30'

GSWCC NO. 09374

SHEET

S1