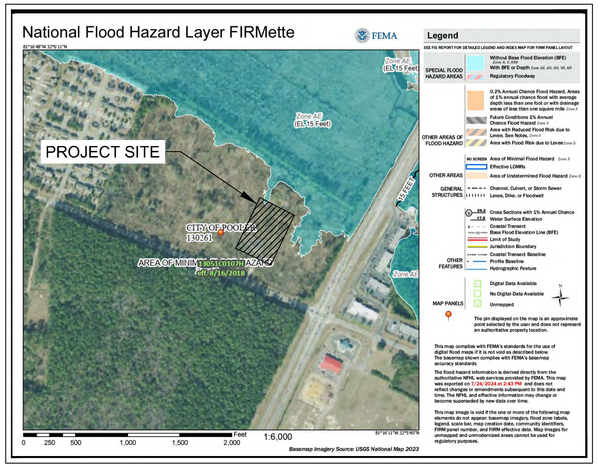
CIVIL CONSTRUCTION DRAWINGS
FOR
POOLER SELF-STORAGE FACILITY
1000 HALLIDAY DRIVE, POOLER, GA 31322



FEMA MAP

THE PROJECT SITE DOES NOT LIE WITHIN A FLOOD HAZARD AREA PER FIRM PANEL 13051C0107H DATED 08/16/2018 AND REVISED WITH LOMAR-F CASE NUMBER 24-04-7258A DATED 10/28/2024

PROJECT CONTACTS

OWNER:	DG POOLER PARKWAY, LLC 11520 DAVIS DRIVE, SUITE 300, SUITE 300 ALPHARETTA, GA 30009 PHONE: 678-392-3618 CONTACT: BRENT DAVIS
CIVIL ENGINEER:	KIMLEY-HORN AND ASSOCIATES, INC. 25 BULL STREET, SUITE 400 SAVANNAH, GA 31407 PHONE: 912.226.2607 CONTACT: DAVID SMITH, P.E.
SURVEYOR:	HUSSEY GAY BELL 329 COMMERCIAL DRIVE SAVANNAH, GA 31406 PHONE: 912.354.4626 CONTACT: NATHAN BROWN, P.L.S
24-HR CONTACT:	BRENT DAVIS DG POOLER PARKWAY, LLC 678-392-3618

1ST DISTRICT
PARCEL NO.: 51011-01027
EXISTING ZONING: MORGAN PUD - PLANNED UNIT DEVELOPMENT
CITY OF POOLER, CHATHAM COUNTY, GEORGIA

PROPERTY AREA = 1.80 ACRES
TOTAL DISTURBED AREA = 1.80 ACRES
IMPERVIOUS AREA = 1.50 ACRES (83.3%)
PERVIOUS AREA = 0.30 ACRES (16.7%)

PROJECT NARRATIVE:

THE POOLER SELF-STORAGE FACILITY IS A PROPOSED COMMERCIAL DEVELOPMENT.

THE PROJECT IS A PORTION OF A MASTER PLAN DEVELOPMENT OF THE PROVIDENCE AT POOLER, CURRENTLY KNOWN AS PARCEL R-3. TO BE FURTHER SUBDIVIDED BY THE MINOR SUBDIVISION PLAT APPROVED ON 08/27/2024 BY HUSSEY GAY BELL SURVEYING.

THE PROJECT ALSO INCLUDES THE CONSTRUCTION OF SURFACE PARKING, STORMWATER CONVEYANCE AND ALL ASSOCIATED UTILITIES. THE SITE AREA IS 1.80 ACRES, AND THE DISTURBED AREA IS 1.80 ACRES.

NOTES:

1. ATTENTION IS DRAWN TO THE FACT THAT THE SCALE OF THESE DRAWINGS MAY HAVE BEEN DISTORTED DURING THE REPRODUCTION PROCESS. THIS DOCUMENT, TOGETHER WITH THE CONCEPTS AND DESIGNS PRESENTED HEREIN, AS AN INSTRUMENT OF SERVICE, IS INTENDED ONLY FOR THE SPECIFIC PURPOSE AND CLIENT FOR WHICH IT WAS PREPARED. REUSE OF AND IMPROPER RELIANCE ON THIS DOCUMENT WITHOUT WRITTEN AUTHORIZATION AND ADAPTATION BY KIMLEY-HORN AND ASSOCIATES, INC. SHALL BE WITHOUT LIABILITY TO KIMLEY-HORN AND ASSOCIATES, INC.
2. IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE **CONTRACTOR** MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.
3. THE APPROVAL OF THESE PLANS AND THE ISSUANCE OF THIS LAND DISTURBANCE PERMIT DOES NOT IN ANY WAY SUGGEST THAT ALL OTHER REQUIREMENTS FOR THE LEGAL OR APPROPRIATE OPERATIONS FOR THIS ACTIVITY, WHICH MAY REQUIRE ADDITIONAL PERMITTING HAVE BEEN MET. THE ONUS IS ON THE OWNER/DEVELOPER/ BUILDER TO DISCOVER WHAT ADDITIONAL PERMITTING OR APPROVALS MAY BE NECESSARY TO OPERATE FROM THIS POINT IN AN APPROPRIATE AND LEGAL MANNER. PLAN APPROVAL OR PERMIT ISSUANCE DOES NOT ABSOLVE THE APPLICANT FROM COMPLYING WITH ALL APPLICABLE LAWS, STANDARDS, OR OTHER PERMITS WHICH MAY BE REQUIRED FOR THIS PROJECT.
4. IN CASE OF CONFLICT BETWEEN THESE PLANS AND THE CITY OF POOLER'S ORDINANCES, STANDARDS, SPECIFICATIONS OR DETAILS, THE CITY OF POOLER REQUIREMENTS SHALL BE REQUIRED.
5. TREES SHALL NOT BE PLANTED WITHIN 10 FEET OF ANY UNDERGROUND UTILITY OR STORM DRAIN.
6. THE DESIGN MEETS THE REQUIREMENTS OF THE CITY OF POOLER AND THE LATEST EDITION OF THE COASTAL STORMWATER SUPPLEMENT TO THE GEORGIA STORMWATER MANAGEMENT MANUAL, AND ANY RELEVANT LOCAL ADDENDA (CHAPTER 42, ARTICLE V, SECTION 42-183.4(5))

GSWCC Georgia Soil and Water Conservation Commission
JAMIE N. GWALTNEY
Level II Certified Design Professional
Certification Number 0000092734
Issued: 12/18/2023 Expires: 12/18/2026

GEORGIA811. Utilities Protection Center, Inc.
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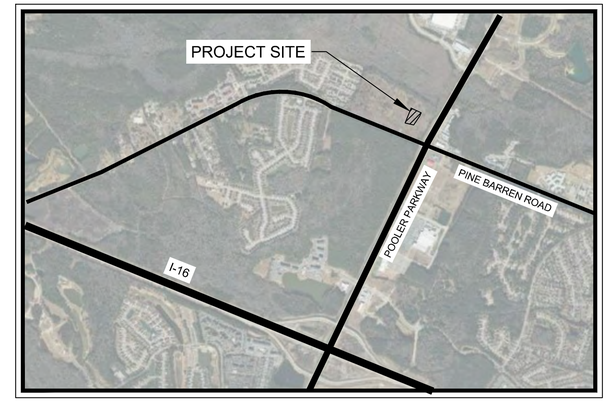

VICINITY MAP

CIVIL SHEET LIST

REVISION	SHEET NO.	SHEET TITLE
	C0-00	COVER SHEET
	C0-80	EXISTING CONDITIONS PLAN
	C2-00	OVERALL SITE PLAN
	C2-01	SITE PLAN
	C2-30	FIRE PROTECTION PLAN
	C3-00	GRADING & DRAINAGE PLAN
	C3-50	STORM SEWER PROFILES
	C4-00	UTILITY PLAN
	C5-00	EROSION CONTROL NOTES
	C5-01	EROSION CONTROL NOTES
	C5-02	EROSION CONTROL NOTES
	C5-03	EROSION CONTROL NOTES
	C5-20	EROSION CONTROL PLAN - PHASE 2
	C5-30	EROSION CONTROL PLAN - PHASE 3
	C5-80	EROSION CONTROL DETAILS
	C5-81	EROSION CONTROL DETAILS
	C6-00	CONSTRUCTION DETAILS
	C6-40	PAVING & DRAINAGE DETAILS
	C6-41	PAVING & DRAINAGE DETAILS
	C6-50	SANITARY SEWER DETAILS
	C6-60	WATER CONSTRUCTION DETAILS
	C6-61	WATER CONSTRUCTION DETAILS
	L1-00	TREE PLAN
	L2-10	LANDSCAPE DETAILS
	SHEET 1	LIGHTING PLAN (BY OTHERS)

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PREPARED FOR
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No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

PROJECT
POOLER SELF-STORAGE FACILITY
1000 HALLIDAY DRIVE, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051861 DENNIS
01/20/2025

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	01/20/2024
PROJECT NO.	013488004

TITLE
COVER SHEET

SHEET NUMBER
C0-00

EXISTING CONDITIONS NOTES:

1. EXISTING CONDITIONS SHOWN HEREON ARE FROM DAVIS GROUP MASTER SITE PLAN FILE PROVIDED HUSSEY GAY BELL DATED 09/01/2023. THE SITE IS CURRENTLY CLEARED BY OTHERS.
2. EXISTING BENCHMARK ON PARCEL R-1 USED

NORTHING:	765,666.2498
EASTING:	931,787.1820
ELEVATION:	16.95'
DATUM:	NAVD 88

3. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.
4. WHERE EXISTING RUNOFF LEAVES THE SITE IN A SHEET FLOW CONDITION, RUNOFF SHALL LEAVE THE SITE IN A SHEET FLOW CONDITION AFTER DEVELOPMENT.
5. WATER, SANITARY SEWER, AND STORM STRUCTURES SHOWN ADJACENT TO FOX FARM ARE BASED ON MASTER DEVELOPMENT (BY OTHERS).

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NORTH

GRAPHIC SCALE IN FEET
0 20 40 80

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No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

PROJECT

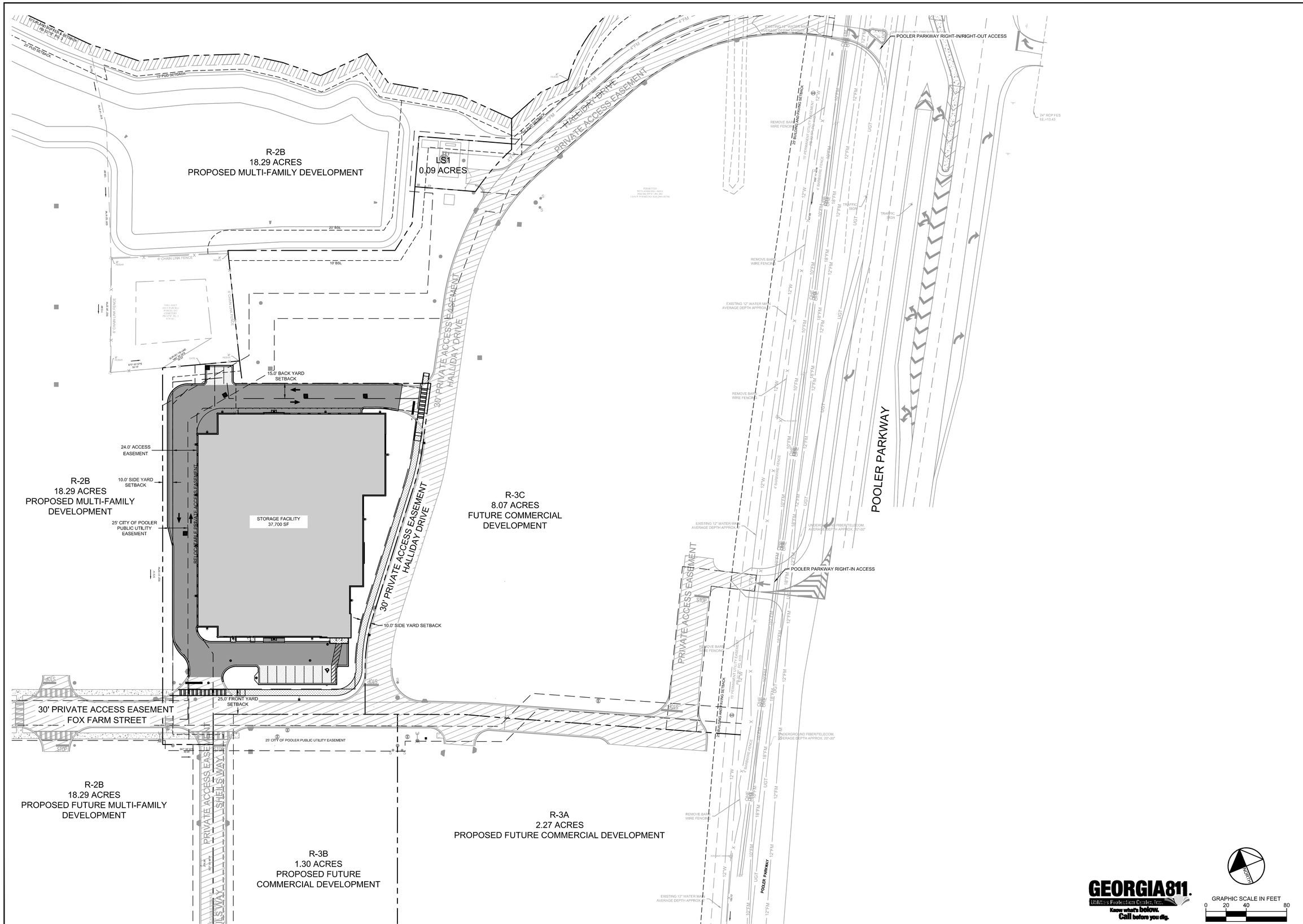
POOLER SELF-STORAGE FACILITY
1000 HALLIDAY DRIVE, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051861 DENNIS SMITH
12/20/2024

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	12/20/2024
PROJECT NO.	013488004

TITLE
EXISTING CONDITIONS PLAN

SHEET NUMBER
C0-80



PREPARED BY

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No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

PROJECT

POOLER SELF-STORAGE FACILITY
1000 HALLIDAY DRIVE, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

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01/20/2025

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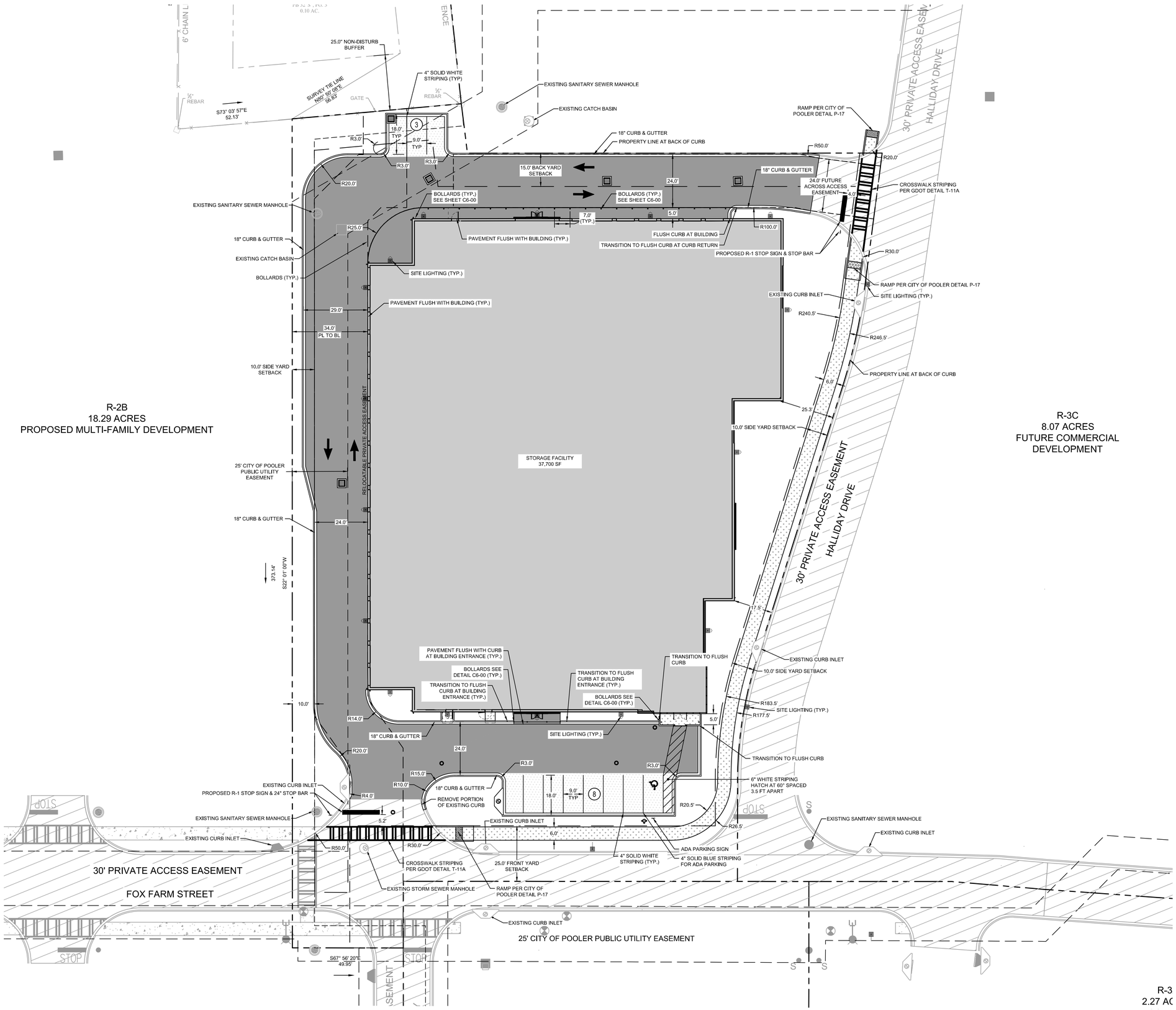
DATE	01/20/2024
PROJECT NO.	013488004

TITLE

OVERALL SITE PLAN

SHEET NUMBER

C2-00



DEVELOPMENT SUMMARY:

SITE SUMMARY:

CURRENT ZONING:	PUD - MORGAN TRACT	
SITE AREA:	1.80	ACRES
ADJUSTED SITE AREA:	1.80	ACRES
BUILDING COVERAGE:	48%	
MAX. BUILDING COVERAGE:	65%	
IMPERVIOUS AREA:	1.50	ACRES (83.3%)
PERVIOUS AREA:	0.30	ACRES (16.7%)
GREEN SPACE:	0.54	ACRES (30.0%)
TOTAL DISTURBED AREA:	1.80	ACRES
BUILDING SETBACK:		
FRONT:	25 FT	
SIDE:	10 FT	
BACK:	15 FT	
BUILDING HEIGHT:		
MAX:	72 FT	
PROPOSED:	34.25 FT	
REQUIRED PARKING:	8 SPACES*	
PROVIDED PARKING:	11 SPACES	

*CITY OF POOLER DOES NOT PROVIDE REQUIRED PARKING SPACE VALUE FOR MINISTORAGE FACILITIES; VALUE BASED ON SIMILAR USES WITHIN CITY OF POOLER AND 1 SPACE PER 5,000 GFA

SITE NOTES:

1. THE PROPOSED BUILDING INFORMATION SHOWN HEREON IS FROM AN ELECTRONIC FILE PROVIDED BY THE CLIENT, DATED 11/06/2024 AND IS FOR ILLUSTRATIVE PURPOSES ONLY. CONTRACTOR SHALL REFERENCE ARCHITECTURAL PLANS FOR EXACT BUILDING INFORMATION.
2. EXISTING CONDITIONS SHOWN HEREON ARE FROM A SURVEY FILE PROVIDED BY HUSSEY GAY BELL, DATED 09/01/2023.
3. ALL SITE INTERNAL CIRCULATION ROADS TO BE PRIVATE. PRIVATE ROAD LABELS ESTABLISHED ONLY FOR REFERENCE.
4. ALL DIMENSIONS ARE FROM FACE OF CURB TO FACE OF CURB UNLESS OTHERWISE NOTED.
5. SIDEWALK INSTALLED AGAINST BACK OF CURB SHALL BE INSTALLED PER THE PLAN AS MEASURED FROM THE BACK OF CURB.
6. ALL SIGNAGE AND STRIPING MUST MEET THE LATEST REQUIREMENTS SET FORTH BY MUTCD, GDOT, AND GEORGIA STATE CODE.
7. REFERENCE LANDSCAPE PLANS FOR ALL HARDSCAPE AND LANDSCAPE DETAILS AND SPECIFICATIONS.

SITE PLAN LEGEND:

- PROPERTY LINE
- BUILDING SETBACK LINE
- STANDARD DUTY CONCRETE SIDEWALK
- STANDARD DUTY ASPHALT PAVEMENT
- HEAVY DUTY ASPHALT PAVEMENT
- (P) PARKING COUNT

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NORTH

GRAPHIC SCALE IN FEET
0 10 20 40

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PARCEL ID: 51011-01027

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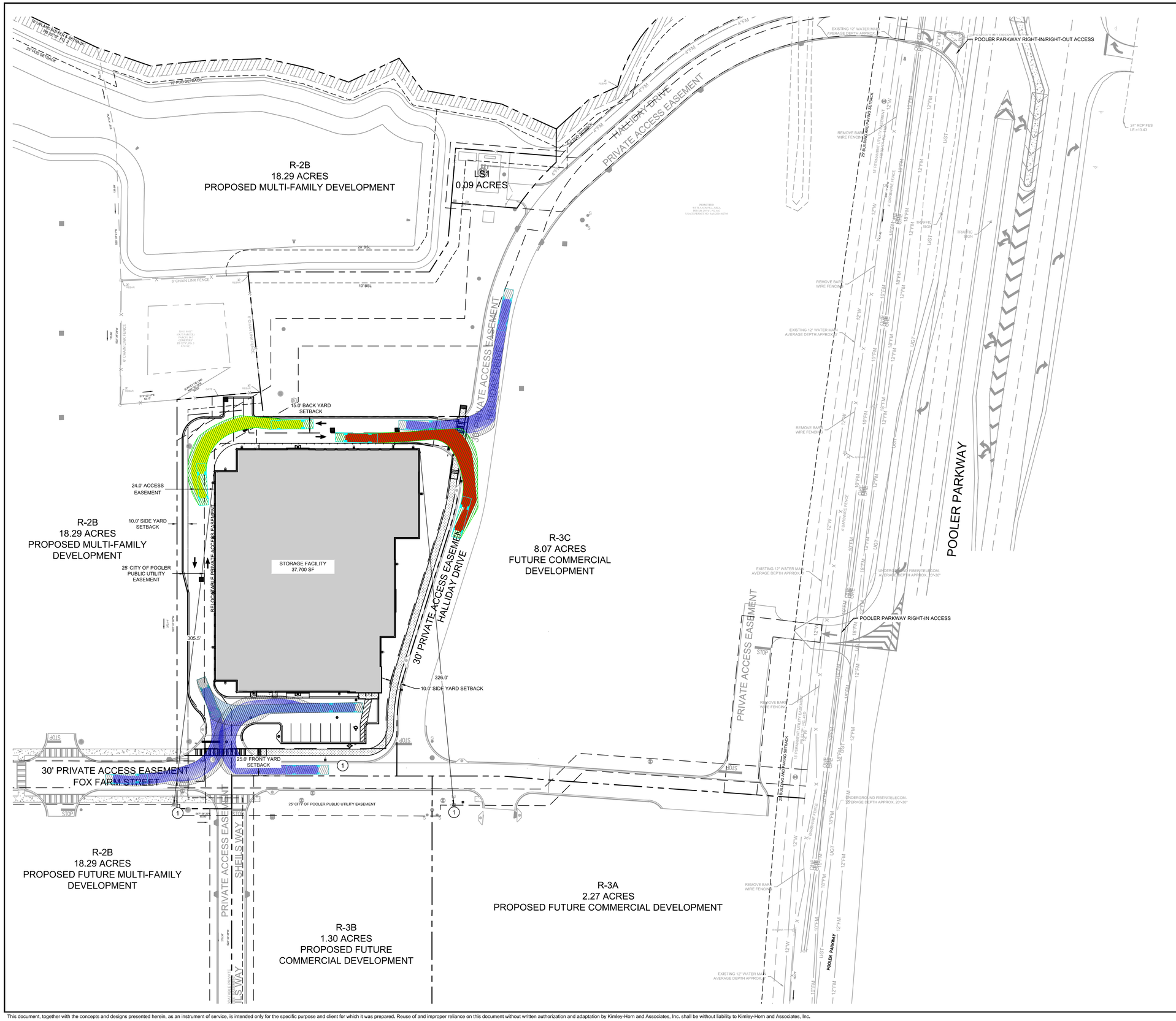
TITLE
SITE PLAN

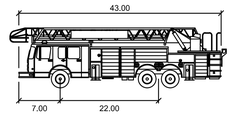
SHEET NUMBER
C2-01



SITE PLAN LEGEND:

1	FIRE HYDRANT
2	FDC, REMOTE
3	FDC, WALL MOUNTED
- - - - - -	400' HOSE LAY LENGTH

DESIGN FIRE TRUCK:



Aerial Fire Truck

	feet
Width	: 8.50
Track	: 8.50
Lock to Lock Time	: 6.0
Steering Angle	: 33.3

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GRAPHIC SCALE IN FEET
0 20 40 80

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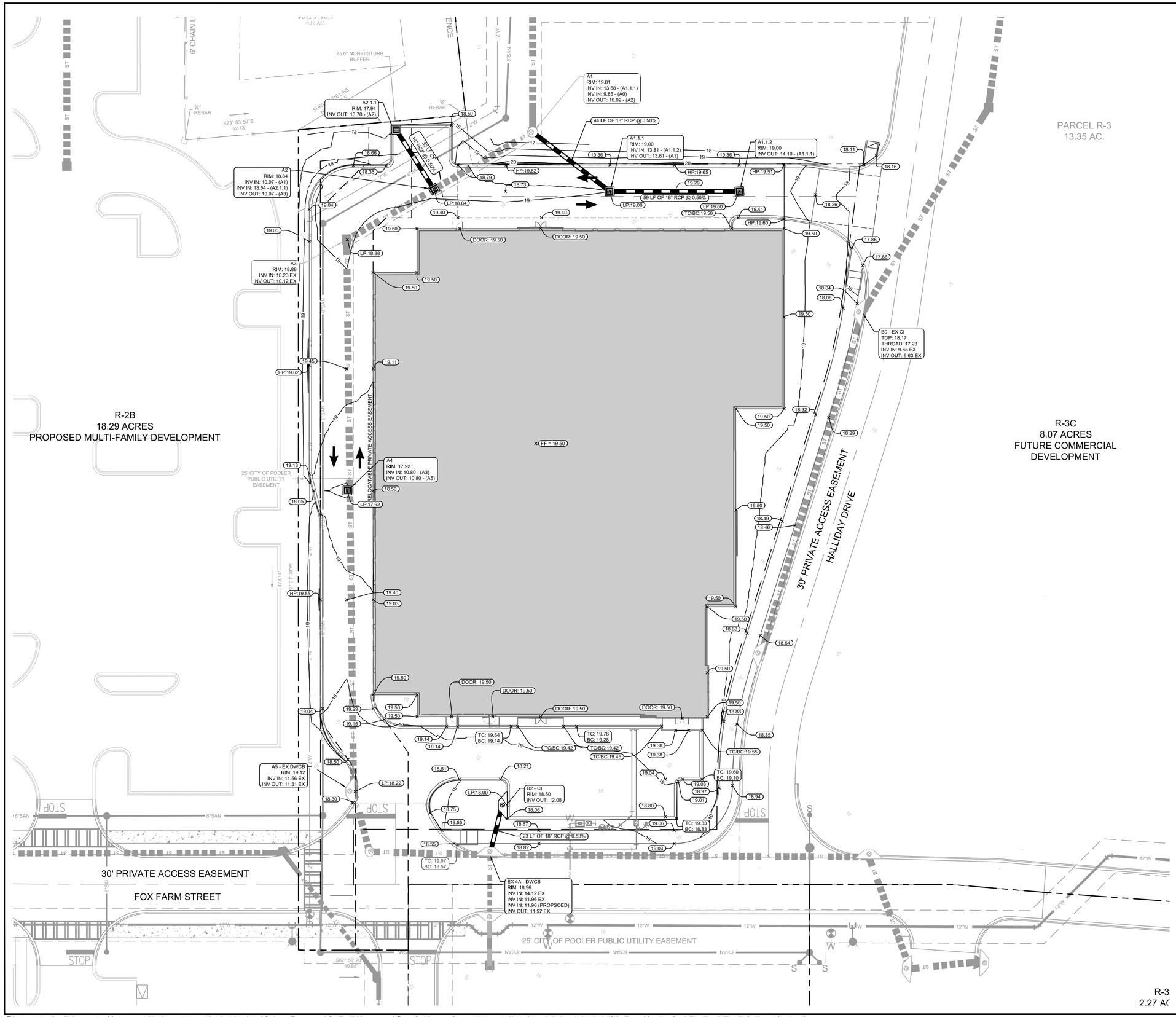
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051861 DENNIS SMITH
01/20/2025

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	01/20/2024
PROJECT NO.	013488004

TITLE
FIRE PROTECTION PLAN

SHEET NUMBER
C2-30



GRADING & DRAINAGE NOTES:

1. SITE AREA: 1.80 ACRES
   DISTURBED AREA: 1.80 ACRES
2. CRITICAL SPOT GRADES ARE TO PAVEMENT GRADE UNLESS OTHERWISE NOTED.
3. CONTRACTOR SHALL CONSTRUCT ALL SIDEWALKS AND CROSSWALKS WITH A 2.0% MAXIMUM CROSS SLOPE AND A 5.0% MAXIMUM RUNNING SLOPE, UNLESS NOTED AS A RAMP. GRADES WITHIN ADA HANDICAP PARKING AREAS NOT TO EXCEED A 2% MAXIMUM SLOPE IN ANY DIRECTION.
4. ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
5. THIS PROJECT DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS DEFINED BY THE F.E.M.A. "FLOOD HAZARD BOUNDARY MAP" COMMUNITY PANEL NUMBER 13051C0107H, DATED 08/16/2018.
6. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.
7. CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR SANITARY SEWER AND STORM DRAINAGE SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.
8. NO GRADED SLOPE SHALL EXCEED 3H:1V

GRADING LEGEND:

950	EXISTING MAJOR CONTOUR
948	EXISTING MINOR CONTOUR
945	PROPOSED MAJOR CONTOUR
944	PROPOSED MINOR CONTOUR
945.00	PROPOSED SPOT GRADE
HP:945.00	PROPOSED HIGH POINT GRADE
LP:945.00	PROPOSED LOW POINT GRADE
TC:945.00	PROPOSED TOP OF CURB GRADE
BC:945.00	PROPOSED BOTTOM OF CURB GRADE
	DRAINAGE FLOW ARROW

STORM DRAINAGE LEGEND:

JB	JUNCTION BOX (PER CITY STANDARD DETAIL P-23)
GI	GRATE INLET (GDOT 10191A, TYPE A)
DWCB	DOUBLE WING CATCH BASIN (GDOT 1034D)
	PROPOSED STORM PIPE

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GRAPHIC SCALE IN FEET 0 10 20 40

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No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

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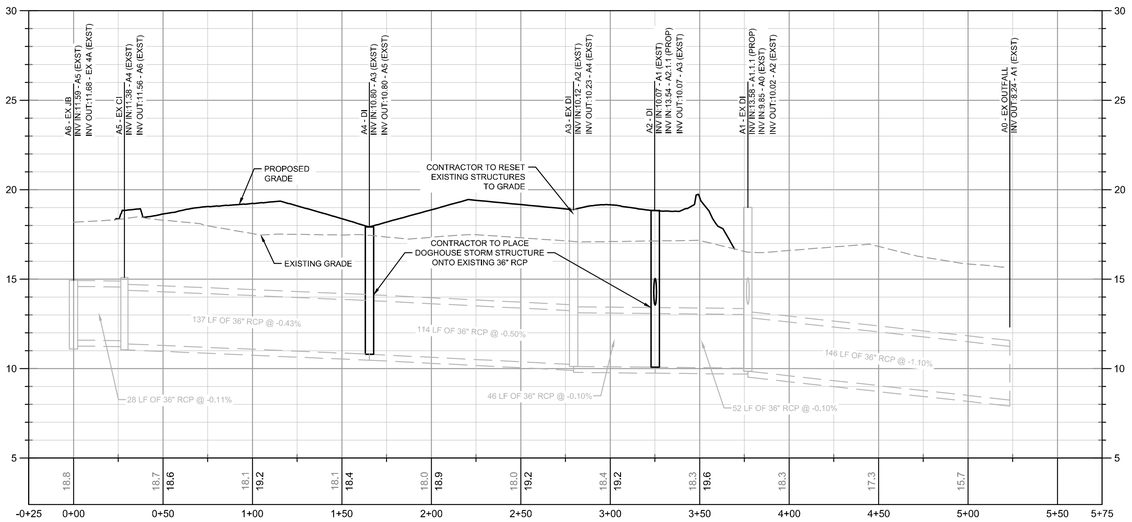
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051861 DENNIS SMITH
12/20/2024

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	12/20/2024
PROJECT NO.	013488004

TITLE
GRADING & DRAINAGE PLAN

SHEET NUMBER
C3-00



PROFILE VIEW

A6 TO A0
1" = 40' HORZ.
1" = 4' VERT.

STORM DRAINAGE PROFILE NOTES:

1. ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR STORM DRAINAGE SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.
3. ALL STORM PIPE SHALL HAVE BEDDING PER BEDDING DETAILS IN CONSTRUCTION DETAIL SHEETS.
4. ALL STORM PIPING TO BE RCP UNLESS OTHERWISE NOTED. SEE CHART FOR PIPE CLASS.
5. RIM ELEVATIONS GIVEN ARE APPROXIMATE. CONTRACTOR SHALL REFERENCE GRADING PLAN FOR STRUCTURE THROAT / RIM ELEVATIONS.
6. IF ANY CONFLICTS, DISCREPANCIES, OR ANY OTHER UNSATISFACTORY CONDITIONS ARE DISCOVERED, EITHER ON THE CONSTRUCTION DOCUMENTS OR FIELD CONDITIONS, THE CONTRACTOR MUST NOTIFY THE ENGINEER IMMEDIATELY AND SHALL NOT COMMENCE FURTHER OPERATION UNTIL THE CONFLICTS, DISCREPANCIES, OR OTHER UNSATISFACTORY CONDITIONS ARE RESOLVED.
7. ALL STORM JOINTS TO BE WATER TIGHT.

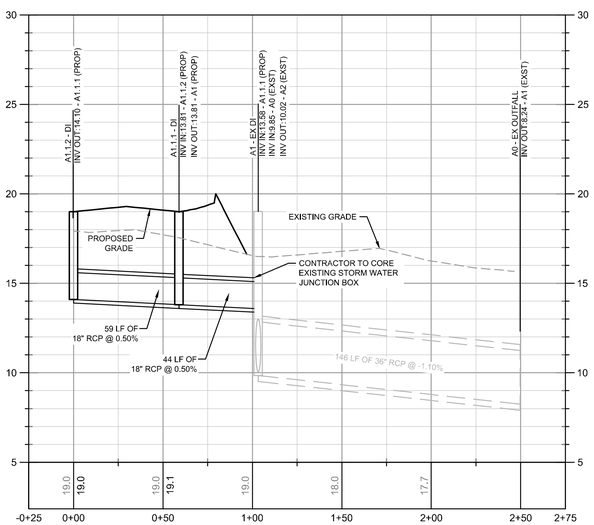
PROFILE LINE LEGEND:

- PROPOSED GRADE LINE
- EXISTING GRADE LINE
- 25-YR HYDRAULIC GRADE LINE
- 100-YR HYDRAULIC GRADE LINE

RCP PIPE CLASSIFICATION CHART:

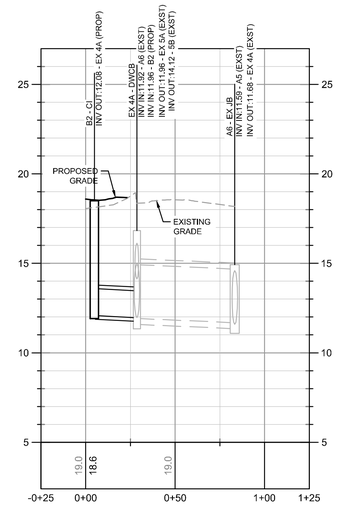
1-15' CLASS III
15'-20' CLASS IV
20'-30' CLASS V

ALL CONCRETE PIPE SHALL BE A MINIMUM CLASS III WITH 12" MINIMUM COVER. REFERENCE GDOT DETAIL 1030D FOR ADDITIONAL GUIDANCE.



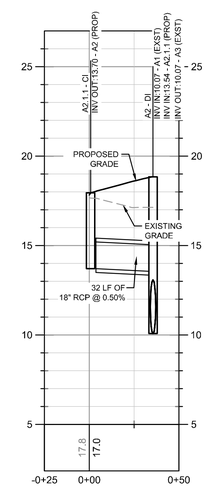
PROFILE VIEW

A1.1.2 TO A0
1" = 40' HORZ.
1" = 4' VERT.



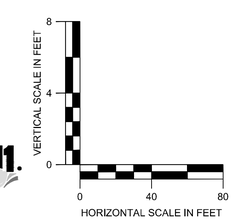
PROFILE VIEW

B2 TO B0
1" = 40' HORZ.
1" = 4' VERT.



PROFILE VIEW

A2.1.1 TO A2
1" = 40' HORZ.
1" = 4' VERT.



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DG THE DAVIS GROUP
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ALPHARETTA, GA 30009
PHONE: 678-392-3618

No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

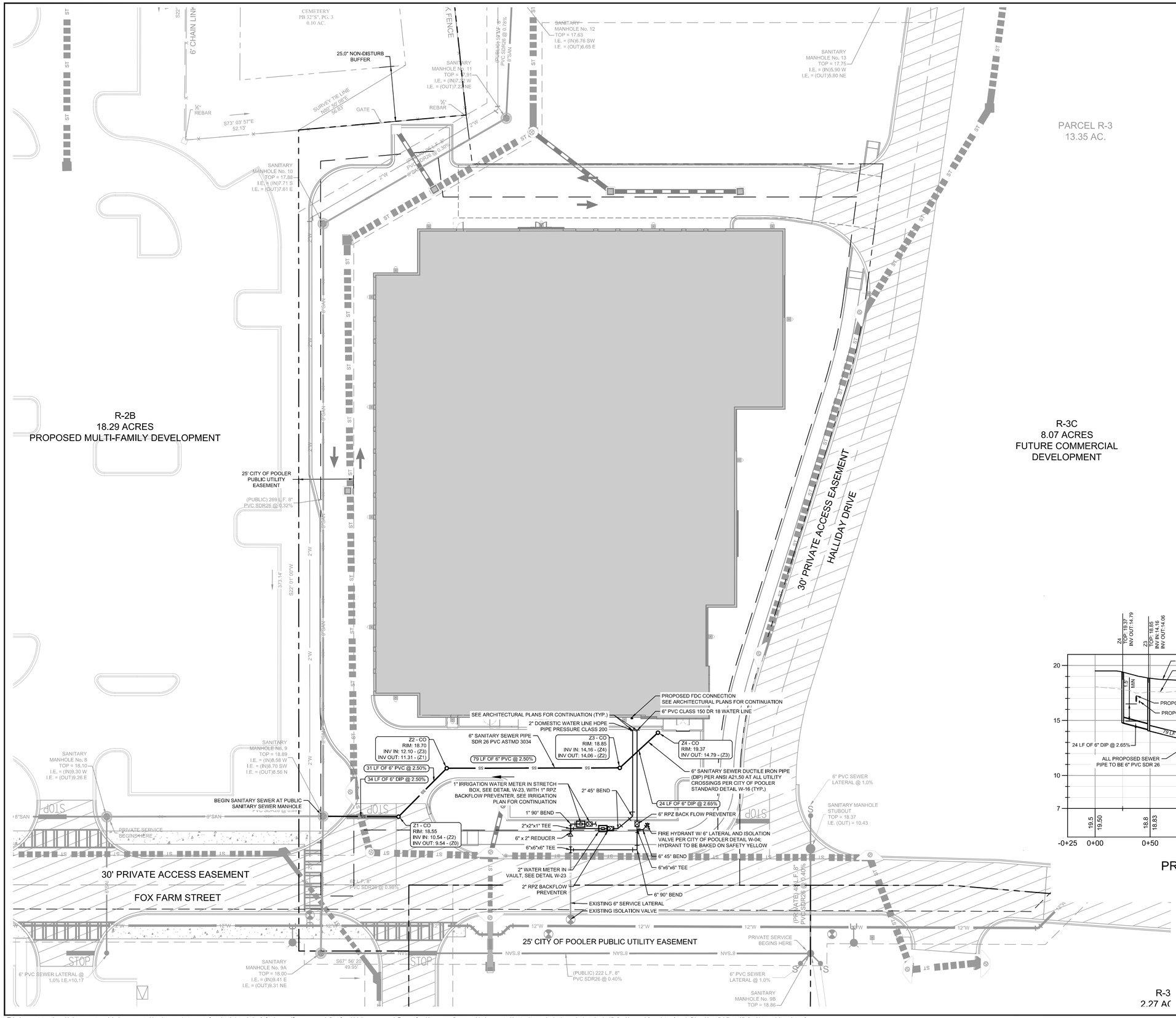
PROJECT
POOLER SELF-STORAGE FACILITY
1000 HALLIDAY DRIVE, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

STATE OF GEORGIA REGISTERED No. PE051861 PROFESSIONAL ENGINEER DENNIS SMITH
12/20/2024

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	12/20/2024
PROJECT NO.	013488004

TITLE
STORM SEWER PROFILES

SHEET NUMBER
C3-50

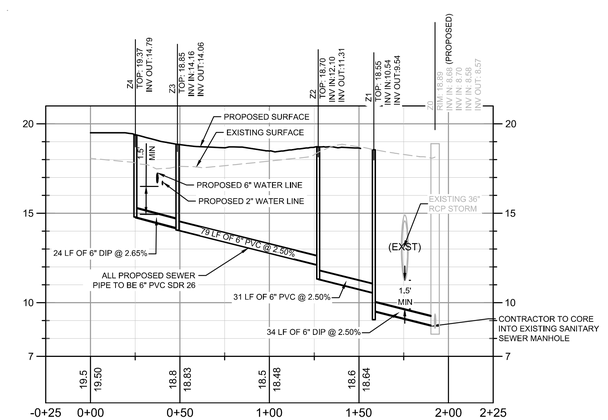


UTILITY NOTES:

1. ALL SANITARY SEWER CLEANOUTS IN PAVED AREAS SHALL HAVE A BRASS CAP SET FLUSH WITH THE PROPOSED GRADE.
2. CONTRACTOR SHALL COORDINATE UTILITY CONNECTION AND REROUTING LOCATIONS WITH APPLICABLE AGENCIES.
3. ALL UTILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF POOLER SANITARY SEWER AND CITY OF POOLER WATER STANDARDS AND SPECIFICATIONS.
4. ALL PIPE LENGTHS SPECIFIED IN THESE PLANS ARE THE HORIZONTAL DISTANCE AND ARE SHOWN FOR REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE ACTUAL LENGTHS BASED ON PROPOSED PIPE SLOPE. PIPE LENGTHS IN PLANS ARE MEASURED FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE UNLESS OTHERWISE NOTED.
5. UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES HAVING UTILITIES WITHIN OR ADJACENT TO THE WORK AREA. THE CONTRACTOR SHALL HAVE THE UTILITIES FIELD LOCATED AND COORDINATE WITH THE UTILITY COMPANIES TO HAVE CONFLICTS RELOCATED WHEN NECESSARY OR ADAPTED FOR TIE-INS.
6. ALL UTILITY CONNECTIONS END AT 5' OUTSIDE OF THE BUILDING FOOTPRINT. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, AND PLUMBING PLANS FOR BUILDING LAYOUT AND INTERNAL UTILITY SERVICE.
7. ALL ONSITE UTILITIES SHALL BE LOCATED UNDERGROUND.
8. CONTRACTOR TO FIELD VERIFY EXISTING INVERT FOR SANITARY SEWER SERVICE CONNECTIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY ENGINEER OF DISCREPANCY PRIOR TO PROCEEDING.
9. ALL PROPOSED ONSITE UTILITIES SHALL BE CLASSIFIED AS PRIVATE AND NOT MAINTAINED BY THE CITY OF POOLER.
10. PROVIDE HDPE OR STAINLESS STEEL I&I INHIBITORS UNDER ALL STORM SEWER MANHOLES IN CONCRETE OR PAVEMENT.
11. ALL SANITARY SEWER CLEANOUTS AND SANITARY SEWER MANHOLES IN PAVED AREAS TO BE RATED FOR HS-20 LOADING.

UTILITY LEGEND:

6" W	PROPOSED 6" PVC CLASS 150 DR 18 WATER LINE
2" W	PROPOSED 2" PE, 200 PSI, SIDR-7CTS WATER LINE
SS	PROPOSED SDR 26 PVC ASTM D3034 SANITARY SEWER PIPE
	PROPOSED SANITARY SEWER CLEANOUT
	SANITARY SEWER MANHOLE
	WATER VALVE
	FIRE HYDRANT
	WATER CONNECTIONS AND BENDS



PROFILE VIEW

Z6 TO Z0
1" = 40' HORZ.
1" = 4' VERT.

GEORGIA811
Utilities Protection Center, Inc.
Know what's below.
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GRAPHIC SCALE IN FEET
0 10 20 40

PREPARED BY
Kimley»Horn

25 BULL STREET, SUITE 400
SAVANNAH, GEORGIA 31401
PHONE: 912-234-7241
WWW.KIMLEY-HORN.COM

PREPARED FOR
DG THE DAVIS GROUP
11520 DAVIS DRIVE, SUITE 300, SUITE 300
ALPHARETTA, GA 30009
PHONE: 678-392-3618

No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

PROJECT
POOLER SELF-STORAGE FACILITY
1000 HALLIDAY DRIVE, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051861 DENNIS SMITH
01/20/2025

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	01/20/2024
PROJECT NO.	013488004

TITLE
UTILITY PLAN

SHEET NUMBER
C4-00

EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST

STAND ALONE CONSTRUCTION PROJECTS

SWCD: REGION 3 (COASTAL)

Project Name: POOLER SELF-STORAGE FACILITY

Address: PINE BARREN ROAD, POOLER, GA 31322

Local Issuing Authority: CITY OF POOLER

Date on Plans: 11/27/2024

Name & email of person filling out checklist: DAVID SMITH, P.E. (DAVID.SMITH@kimley-horn.com)

Plan Page #		Included Y/N			TO BE SHOWN ON ES&PC PLAN
C5-00		Y		1.	The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted**. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)**
C5-00-03, C5-10-30, C5-80-81		Y		2.	Level II certification number issued by the Commission, signature and seal of the certified design professional**. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC plan or the Plan will not be reviewed)**
N/A		N		3.	Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office**.** If EPD 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.* **(A copy of the written approval by EPD must be attached to the plan for the plan to be reviewed.)**
C0-00, C5-03, C5-10-30		Y		4.	The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.
C0-00, C5-03, C5-10-30		Y		5.	Provide the name, address, email address and phone number of primary permittee.
C0-00, C5-10-30		Y		6.	Note total and disturbed acreage of the project or phase under construction.
C5-10-30		Y		7.	Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
C0-00, C5-10-30		Y		8.	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C5-02		Y		9.	Description of the nature of construction activity.
C0-00, C5-03		Y		10.	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C5-02, C5-10-30		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.
C5-01		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.
C5-01		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.*
C5-02, C5-10-30		Y		14.	Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the 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.*
C5-02, C5-10-30		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 marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."
N/A		N		16.	Provide a description of any buffer encroachments and indicate where a buffer variance is required.
C5-02, C5-10-30		Y		17.	Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional."
C5-02, C5-10-30		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."*
C5-02, C5-10-30		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."
C5-02, C5-10-30		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."
C5-02, C5-10-30		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 an 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.*
C5-10-30, C5-81		Y		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.*
C5-02		Y		25.	Provide BMPs for the remediation of all petroleum spills and leaks.
C5-01		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.*
C5-03		Y		27.	Description of the practices to provide cover for building materials and building products on site.*
C5-01		Y		28.	Description of the practices that will be used to reduce the pollutants in storm water discharges.*
C5-03		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).
C5-02		Y		30.	Provide complete requirements of inspections and record keeping by the primary permittee.*
C5-02		Y		31.	Provide complete requirements of sampling frequency and reporting of sampling results.*
C5-02		Y		32.	Provide complete details for retention of records as per Part IV.F. of the permit.
C5-02		Y		33.	Description of analytical methods to be used to collect and analyze the samples from each location.*
N/A		N		34.	Appendix B rationale for NTU values at all outfall sampling points where applicable.*
C5-10-30		Y		35.	Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.*
C5-10-30		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.
C5-10-30		Y		37.	Graphic scale and North arrow.
C5-10-30		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 = 100 ft or larger scale	Flat 0 - 2%	0.5 or 1
	Rolling 2 - 8%	1 or 2
	Steep 8% +	2.5 or 10

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 EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
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 and 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.
C5-10-30		Y		43.	Delineation and acreage of contributing drainage basins on the project site.
SEE HYDRO		Y		44.	Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.*
C5-02		Y		45.	An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.
C5-80		Y		46.	Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.
C5-10-30		Y		47.	Soil series for the project site and their delineation.
C5-10-30		Y		48.	The limits of disturbance for each phase of construction.
C5-10-30, C5-82		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 must be included for structural BMPs and all calculations used by the professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the plan.
C5-10-30, C5-03		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 legend.
C5-80-82		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.
C5-80		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 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, 2024

GSWCC Georgia Soil and Water Conservation Commission

JAMIE N. GWALTNEY
Level II Certified Design Professional

Certification Number 0000092734
Issued: 12/18/2023 Expires: 12/18/2026

PREPARED BY

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PREPARED FOR

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11520 DAVIS DRIVE, SUITE 300, SUITE 300
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PHONE: 678-392-3618

No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

PROJECT

POOLER SELF-STORAGE FACILITY
PINE BARREN ROAD, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE034916 JAMIE NORRIS GWALTNEY

11/27/2024

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	11/15/2024
PROJECT NO.	013488004

TITLE
EROSION CONTROL NOTES

SHEET NUMBER
C5-00

Part IV. EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN

A SITE-SPECIFIC EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN (PLAN) SHALL BE DESIGNED, INSTALLED AND MAINTAINED FOR THE ENTIRE CONSTRUCTION ACTIVITY COVERED BY THIS PERMIT. THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN MUST BE PREPARED BY A DESIGN PROFESSIONAL AS DEFINED BY THIS PERMIT. ALL PERSONS INVOLVED IN PLAN PREPARATION SHALL HAVE COMPLETED THE APPROPRIATE CERTIFICATION COURSE, PURSUANT TO O.C.G.A. 12-7-19 (b), APPROVED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION. THE DESIGN PROFESSIONAL PREPARING THE PLAN MUST INCLUDE AND SIGN THE FOLLOWING CERTIFICATION IN THE PLAN.

12 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 SUPERVISION.

11/15/2024
DATE

DESIGN PROFESSIONAL'S SIGNATURE

13 "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.

11/15/2024
DATE

DESIGN PROFESSIONAL'S SIGNATURE

12/18/2026
EXPIRATION DATE

0000092734
LEVEL II CERTIFICATION NUMBER

THE PLAN SHALL INCLUDE, AS A MINIMUM, BEST MANAGEMENT PRACTICES, INCLUDING SOUND CONSERVATION AND ENGINEERING PRACTICES TO PREVENT AND MINIMIZE EROSION AND RESULTANT SEDIMENTATION, WHICH ARE CONSISTENT WITH, AND NO LESS STRINGENT THAN, THOSE PRACTICES CONTAINED IN THE "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 AND O.C.G.A. 12-7-6, AS WELL AS THE FOLLOWING:

(i). EXCEPT AS PROVIDED IN PART IV.(iii). BELOW, NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 25 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, EXCEPT WHERE THE DIRECTOR HAS DETERMINED TO ALLOW A VARIANCE THAT IS AT LEAST AS PROTECTIVE OF NATURAL RESOURCES AND THE ENVIRONMENT IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A. 12-7-6, OR WHERE A DRAINAGE STRUCTURE OR ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED, PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED IN THE PROJECT PLANS AND SPECIFICATIONS AND ARE IMPLEMENTED, OR ALONG ANY EPHEMERAL STREAM, OR WHERE BULKHEADS AND SEAWALLS MUST BE CONSTRUCTED TO PREVENT THE EROSION OF THE SHORELINE ON LAKE OCONEE OR LAKE SINCLAIR. THE BUFFER SHALL NOT APPLY TO THE FOLLOWING ACTIVITIES PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS ARE IMPLEMENTED:

(1) PUBLIC DRINKING WATER SYSTEM RESERVOIRS,
(2) STREAM CROSSINGS FOR WATER LINES AND SEWER LINES, PROVIDED THAT THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER
(3) STREAM CROSSINGS FOR ANY UTILITY LINES OF ANY ELECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE REGULATORY JURISDICTION OF THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTION 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION OR DISTRIBUTION OF POWER, PROVIDED THAT: (A) THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, (B) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (C) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT,
(4) BUFFER CROSSING FOR FENCES, PROVIDED THAT THE CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER
(5) STREAM CROSSINGS FOR AERIAL UTILITY LINES, PROVIDED THAT: (A) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAR FEET, (B) UTILITY LINES ARE ROUTED AND CONSTRUCTED SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCES TO THE BUFFER, (C) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION (I.E., DISTURBANCE TO UNDERLYING VEGETATION IS MINIMIZED), AND (D) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER. THE PLAN SHALL INCLUDE A DESCRIPTION OF THE STREAM CROSSINGS WITH DETAILS OF THE BUFFER DISTURBANCE INCLUDING AREA AND LENGTH OF BUFFER DISTURBANCE, ESTIMATED LENGTH OF TIME OF BUFFER DISTURBANCE, AND JUSTIFICATION;
(6) RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDERTAKEN OR FINANCED IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION, THE GEORGIA HIGHWAY AUTHORITY OR THE STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY OR MUNICIPALITY, PROVIDED THAT: (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT;
(7) RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDERTAKEN BY ANY ELECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE REGULATORY JURISDICTION OF THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTION 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION OR DISTRIBUTION OF POWER, PROVIDED THAT: (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT; AND
(8) MAINTENANCE (EXCLUDING DREDGING), REPAIR AND/OR UPGRADE OF SOIL AND WATER CONSERVATION DISTRICT WATERSHED DAMS WHEN UNDER THE TECHNICAL SUPERVISION OF THE USDA NATURAL RESOURCES CONSERVATION SERVICE.

(ii). NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A 50 FOOT BUFFER, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STREAM FLOW OR WAVE ACTION, ALONG THE BANKS OF ANY STATE WATERS CLASSIFIED AS 'TROUT STREAMS' EXCEPT WHEN APPROVAL IS GRANTED BY THE DIRECTOR FOR ALTERNATE BUFFER REQUIREMENTS IN ACCORDANCE WITH THE PROVISIONS OF O.C.G.A 12-7-6, OR WHERE A ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED; PROVIDED, HOWEVER, THAT SMALL SPRINGS AND STREAMS CLASSIFIED AS 'TROUT STREAMS' WHICH DISCHARGE AN AVERAGE ANNUAL FLOW OF 25 GALLONS PER MINUTE OR LESS SHALL HAVE A 25 FOOT BUFFER OR THEY MAY BE PIPED, AT THE DISCRETION OF THE PERMITTEE, PURSUANT TO THE TERMS OF A RULE PROVIDING FOR A GENERAL VARIANCE PROMULGATED BY THE BOARD OF NATURAL RESOURCES INCLUDING NOTIFICATION OF SUCH TO EPD AND THE LOCAL ISSUING AUTHORITY OF THE LOCATION AND EXTENT OF THE PIPING AND PRESCRIBED METHODOLOGY FOR MINIMIZING THE IMPACT OF SUCH PIPING AND FOR MEASURING THE VOLUME OF WATER DISCHARGED BY THE STREAM. ANY SUCH PIPE MUST STOP SHORT OF THE DOWNSTREAM PERMITTEE'S PROPERTY, AND THE PERMITTEE MUST COMPLY WITH THE BUFFER REQUIREMENT FOR ANY ADJACENT TROUT STREAMS. THE BUFFER SHALL NOT APPLY TO THE FOLLOWING ACTIVITIES PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS ARE IMPLEMENTED:

(1) PUBLIC DRINKING WATER SYSTEM RESERVOIRS,
(2) STREAM CROSSINGS FOR WATER LINES AND SEWER LINES, PROVIDED THAT THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER
(3) STREAM CROSSINGS FOR ANY UTILITY LINES OF ANY ELECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE REGULATORY JURISDICTION OF THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTION 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION OR DISTRIBUTION OF POWER, PROVIDED THAT: (A) THE STREAM CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, (B) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (C) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT,
(4) BUFFER CROSSING FOR FENCES, PROVIDED THAT THE CROSSINGS OCCUR AT AN ANGLE, AS MEASURED FROM THE POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM AND CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER, AND NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OF DISTURBED AREAS WITHIN THE BUFFER
(5) STREAM CROSSINGS FOR AERIAL UTILITY LINES, PROVIDED THAT: (A) THE NEW UTILITY LINE RIGHT-OF-WAY WIDTH DOES NOT EXCEED 100 LINEAR FEET, (B) UTILITY LINES ARE ROUTED AND CONSTRUCTED SO AS TO MINIMIZE THE NUMBER OF STREAM CROSSINGS AND DISTURBANCES TO THE BUFFER, (C) ONLY TREES AND TREE DEBRIS ARE REMOVED FROM WITHIN THE BUFFER RESULTING IN ONLY MINOR SOIL EROSION (I.E., DISTURBANCE TO UNDERLYING VEGETATION IS MINIMIZED), AND (D) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER. THE PLAN SHALL INCLUDE DESCRIPTION OF THE STREAM CROSSINGS WITH DETAILS OF THE BUFFER DISTURBANCE, ESTIMATED LENGTH OF TIME OF BUFFER DISTURBANCE, AND JUSTIFICATION,
(6) RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDERTAKEN OR FINANCED IN WHOLE OR IN PART BY THE DEPARTMENT OF TRANSPORTATION, THE GEORGIA HIGHWAY AUTHORITY OR THE STATE ROAD AND TOLLWAY AUTHORITY OR UNDERTAKEN BY ANY COUNTY OR MUNICIPALITY, PROVIDED THAT: (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT,
(7) RIGHT-OF-WAY POSTS, GUY-WIRES, ANCHORS, SURVEY MARKERS AND THE REPLACEMENT OR MAINTENANCE OF EXISTING UTILITY STRUCTURES WITHIN THE CURRENT RIGHT-OF-WAY UNDERTAKEN BY ANY ELECTRIC MEMBERSHIP CORPORATION OR MUNICIPAL ELECTRICAL SYSTEM OR ANY PUBLIC UTILITY UNDER THE REGULATORY JURISDICTION OF THE PUBLIC SERVICE COMMISSION, ANY UTILITY UNDER THE REGULATORY JURISDICTION OF THE FEDERAL ENERGY REGULATORY COMMISSION, ANY CABLE TELEVISION SYSTEM AS DEFINED IN CODE SECTION 36-18-1, OR ANY AGENCY OR INSTRUMENTALITY OF THE UNITED STATES ENGAGED IN THE GENERATION, TRANSMISSION OR DISTRIBUTION OF POWER, PROVIDED THAT: (A) THE AREA OF LAND DISTURBANCE DOES NOT EXCEED 100 SQUARE FEET PER STRUCTURE, (B) THE AREA OF BUFFER VEGETATION TO BE CUT (NOT GRUBBED) DOES NOT EXCEED 1,000 SQUARE FEET PER STRUCTURE, (C) NATIVE RIPARIAN VEGETATION IS RE-ESTABLISHED IN ANY BARE OR DISTURBED AREAS WITHIN THE BUFFER AND (D) THE ENTITY IS NOT A SECONDARY PERMITTEE FOR A PROJECT LOCATED WITHIN A COMMON DEVELOPMENT OR SALE UNDER THIS PERMIT; AND
(8) MAINTENANCE (EXCLUDING DREDGING), REPAIR AND/OR UPGRADE OF SOIL AND WATER CONSERVATION DISTRICT WATERSHED DAMS WHEN UNDER THE TECHNICAL SUPERVISION OF THE USDA NATURAL RESOURCES CONSERVATION SERVICE.

(iii). EXCEPT AS PROVIDED ABOVE, FOR BUFFERS REQUIRED PURSUANT TO PART IV. (i). AND (ii)., NO CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED WITHIN A BUFFER AND A BUFFER SHALL REMAIN IN ITS NATURAL, UNDISTURBED, STATE OF VEGETATION UNTIL ALL LAND-DISTURBING ACTIVITIES ON THE CONSTRUCTION SITE ARE COMPLETED. DURING COVERAGE UNDER THIS PERMIT, A BUFFER CANNOT BE THINNED OR TRIMMED OF VEGETATION AND A PROTECTIVE VEGETATIVE COVER MUST REMAIN TO PROTECT WATER QUALITY AND AQUATIC HABITAT AND A NATURAL CANOPY MUST BE LEFT IN SUFFICIENT QUANTITY TO KEEP SHADE ON THE STREAM BED.

28 THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN SHALL IDENTIFY ALL POTENTIAL SOURCES OF POLLUTION WHICH MAY REASONABLY BE EXPECTED TO AFFECT THE QUALITY OF STORM WATER DISCHARGES FROM THE CONSTRUCTION SITE. IN ADDITION, THE PLAN SHALL DESCRIBE AND THE APPLICABLE PERMITTEE SHALL ENSURE THE IMPLEMENTATION OF PRACTICES WHICH WILL BE USED TO REDUCE THE POLLUTANTS IN STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY AT THE SITE AND TO ASSURE COMPLIANCE WITH THE TERMS AND CONDITIONS OF THIS PERMIT. THE APPLICABLE PERMITTEE MUST IMPLEMENT AND MAINTAIN THE PROVISIONS OF THE PLAN REQUIRED UNDER THIS PART AS A CONDITION OF THIS PERMIT.

EXCEPT AS PROVIDED IN PART IV.A.2., A SINGLE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN MUST BE PREPARED BY THE PRIMARY PERMITTEE FOR THE STAND ALONE CONSTRUCTION PROJECT.

A. DEADLINES FOR PLAN PREPARATION AND COMPLIANCE

1. EXCEPT AS PROVIDED IN PART IV.A.2., AND PART IV.A.6., THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN SHALL BE COMPLETED PRIOR TO SUBMITTING THE NOI AND PRIOR TO CONDUCTING ANY CONSTRUCTION ACTIVITY BY ANY PERMITTEE.

2. FOR CONSTRUCTION ACTIVITES THAT BEGAN ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT AND WERE SUBJECT TO THE REGULATIONS UNDER THE PREVIOUS PERMIT, THE PERMITTEE(S) SHALL CONTINUE TO OPERATE UNDER THE EXISTING PLAN.

3. FOR CONSTRUCTION ACTIVITIES THAT BEGIN AFTER THE EFFECTIVE DATE OF THIS PERMIT, THE PRIMARY PERMITTEE SHALL BE REQUIRED TO PREPARE THE PLAN FOR THAT PHASE OF THE STAND ALONE DEVELOPMENT THAT CORRESPONDS WITH THE NOI BEING SUBMITTED AND THE PRIMARY PERMITTEE(S) SHALL IMPLEMENT THE PLAN ON OR BEFORE THE DAY CONSTRUCTION ACTIVITIES BEGIN.

4. ADDITIONAL PLAN SUBMITTALS.

a. FOR ALL PROJECTS IDENTIFIED UNDER PART I.C.1.b., WHICH BEGIN AFTER THE EFFECTIVE DATE OF THIS PERMIT, IN A JURISDICTION WHERE THERE IS NO CERTIFIED LOCAL ISSUING AUTHORITY REGULATING THAT PROJECT, A SINGLE COPY OF THE PLAN MUST BE SUBMITTED TO THE EPD WATERSHED PROTECTION BRANCH AND A SECOND COPY OF THE PLAN MUST BE SUBMITTED TO THE EPD DISTRICT OFFICE PRIOR TO OR CONCURRENT WITH THE NOI SUBMITTAL. THE SECOND COPY OF THE PLAN MAY BE SUBMITTED TO THE APPROPRIATE EPD DISTRICT OFFICE AS A PORTABLE DOCUMENT FORMAT (PDF) FILE ON CD-ROM OR OTHER STORAGE DEVICE. THE EPD WATERSHED PROTECTION BRANCH WILL REVIEW PLANS FOR DEFICIENCIES USING THE APPLICABLE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN CHECKLIST ESTABLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED.

b. FOR SITES THAT ARE EQUAL TO OR GREATER THAN 50 ACRES OF DISTURBED AREA, REGARDLESS OF THE EXISTENCE OF A CERTIFIED LOCAL ISSUING AUTHORITY IN THE JURISDICTION, ONE OF THE FOLLOWING SUBMISSIONS IS ALSO REQUIRED:

(i). FOR ALL PROJECTS WHICH BEGIN AFTER THE EFFECTIVE DATE OF THIS PERMIT A SINGLE COPY OF THE NOI AND A SINGLE COPY OF THE PLAN SHALL BE SUBMITTED TO THE APPROPRIATE EPD DISTRICT OFFICE. THIS COPY OF THE PLAN MAY BE SUBMITTED TO THE APPROPRIATE EPD DISTRICT OFFICE AS A PORTABLE DOCUMENT FORMAT (PDF) FILE ON CD-ROM OR OTHER STORAGE DEVICE.

(ii). FOR ALL PROJECTS WHICH BEGAN ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT A SINGLE COPY OF THE NOI AND A SINGLE COPY OF THE PLAN, IF AMENDED, SHALL BE SUBMITTED TO THE APPROPRIATE EPD DISTRICT OFFICE. THIS COPY OF THE PLAN MAY BE SUBMITTED TO THE APPROPRIATE EPD DISTRICT OFFICE AS A PORTABLE DOCUMENT FORMAT (PDF) FILE ON CD-ROM OR OTHER STORAGE DEVICE.

c. FOR ALL PROJECTS WHERE THE CONSTRUCTION ACTIVITY AS INDICATED ON THE EXISTING NOI HAS CHANGED, THE AMENDED PLANS MUST BE SUBMITTED IN ACCORDANCE WITH PART IV.A.4.a. IN ADDITION, THE PERMITTEE MUST FILE A CHANGE OF INFORMATION NOI IN ACCORDANCE WITH PART II.

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, OR AN ALTERNATIVE DESIGN PROFESSIONAL APPROVED BY EPD IN WRITING, TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WHICH THE DESIGN PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMPs 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.

6. FOR STORM- OR EMERGENCY-RELATED REPAIR WORK, THE PERMITTEE SHALL IMPLEMENT APPROPRIATE BMPs AND CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT 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. IF THE STORM- OR EMERGENCY-RELATED REPAIR WORK WILL NOT BE COMPLETED WITHIN SIXTY (60) DAYS OF COMMENCEMENT OF CONSTRUCTION ACTIVITY, A SINGLE COPY OF THE PLAN SHALL BE SUBMITTED TO EPD AND THE PERMITTEE SHALL COMPLY WITH ALL REQUIREMENTS OF THIS PERMIT ON THE SIXTY-FIRST (61st) DAY.

B. SIGNATURE AND PLAN REVIEW

1. THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN SHALL BE SIGNED IN ACCORDANCE WITH PART IV., AND BE RETAINED ON THE SITE (OR, IF NOT POSSIBLE, AT A READILY ACCESSIBLE LOCATION) WHICH GENERATES THE STORM WATER DISCHARGE IN ACCORDANCE WITH PART IV.F. OF THIS PERMIT.

2. THE PRIMARY PERMITTEE SHALL MAKE PLANS AVAILABLE UPON REQUEST TO THE EPD; TO DESIGNATED OFFICIALS OF THE LOCAL GOVERNMENT REVIEWING SOIL EROSION AND SEDIMENT CONTROL PLANS, GRADING PLANS, OR STORM WATER MANAGEMENT PLANS; OR IN THE CASE OF A STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY WHICH DISCHARGES THROUGH A MUNICIPAL SEPARATE STORM SEWER SYSTEM WITH AN NPDES PERMIT, TO THE LOCAL GOVERNMENT OPERATING THE MUNICIPAL SEPARATE STORM SEWER SYSTEM.

3. EPD MAY NOTIFY THE PRIMARY PERMITTEE AT ANY TIME THAT THE PLAN DOES NOT MEET ONE OR MORE OF THE MINIMUM REQUIREMENTS OF THIS PART. WITHIN SEVEN (7) DAYS OF SUCH NOTIFICATION (OR AS OTHERWISE PROVIDED BY EPD) THE PRIMARY PERMITTEE SHALL MAKE THE REQUIRED CHANGES TO THE PLAN AND SHALL SUBMIT TO EPD EITHER THE AMENDED PLAN OR A WRITTEN CERTIFICATION THAT THE REQUESTED CHANGES HAVE BEEN MADE.

C. KEEPING PLANS CURRENT.

THE PRIMARY PERMITTEE(S) SHALL AMEND THEIR PLAN WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT (I.E., THOSE BMPs WHERE THE DESIGN IS BASED UPON RAINFALL INTENSITY, DURATION AND RETURN FREQUENCY OF STORMS) OR IF THE PLAN PROVES TO BE INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS FROM SOURCES IDENTIFIED UNDER PART IV.D.3. AMENDMENTS TO THE PLAN MUST BE CERTIFIED BY A DESIGN PROFESSIONAL AS PROVIDED IN THIS PERMIT.

D. CONTENTS OF PLAN.

THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN SHALL INCLUDE, AS A MINIMUM, BEST MANAGEMENT PRACTICES, INCLUDING SOUND CONSERVATION AND ENGINEERING PRACTICES TO PREVENT AND MINIMIZE EROSION AND RESULTANT SEDIMENTATION, WHICH ARE CONSISTENT WITH, AND NO LESS STRINGENT THAN, THOSE PRACTICES CONTAINED IN THE "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, AS WELL AS THE FOLLOWING:

1. CHECKLIST.
EACH PLAN SHALL INCLUDE A COMPLETED EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN CHECKLIST ESTABLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED AND AMENDMENTS TO THE APPLICABLE CHECKLIST AS APPROVED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION UP UNTIL THE DATE OF THE NOI SUBMITTAL. THE APPLICABLE CHECKLISTS ARE AVAILABLE ON THE EPD WEBSITE, WWW.GAEPD.ORG.

2. SITE DESCRIPTION.
EACH SITE-SPECIFIC PLAN SHALL PROVIDE A DESCRIPTION OF POLLUTANT SOURCES AND OTHER INFORMATION AS INDICATED:

a. A DESCRIPTION OF THE NATURE OF THE CONSTRUCTION ACTIVITY;

b. A DETAILED DESCRIPTION AND CHART OR TIMELINE OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH DISTURB SOILS FOR MAJOR PORTIONS OF THE SITE (I.E., INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER BMPs, CLEARING AND GRUBBING ACTIVITIES, EXCAVATION ACTIVITIES, GRADING ACTIVITIES, INFRASTRUCTURE ACTIVITIES, IMMEDIATE AND FINAL STABILIZATION ACTIVITIES);

c. ESTIMATES OF THE TOTAL AREA OF THE SITE AND THE TOTAL AREA OF THE SITE THAT IS EXPECTED TO BE DISTURBED BY EXCAVATION, GRADING, OR OTHER ACTIVITIES;

d. AN ESTIMATE OF THE RUNOFF COEFFICIENT OR PEAK DISCHARGE FLOW OF THE SITE PRIOR TO THE CONSTRUCTION ACTIVITIES AND AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED AND EXISTING DATA DESCRIBING THE SOIL OR THE QUALITY OF ANY DISCHARGE FROM THE SITE;

e. A SITE-SPECIFIC MAP INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER MAJOR GRADING ACTIVITIES, AREAS OF SOIL DISTURBANCE, AN OUTLINE OF AREAS WHICH ARE NOT TO BE DISTURBED, THE LOCATION OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS), AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO A SURFACE WATER; AND

f. IDENTIFY THE RECEIVING WATER(S) AND AREAL EXTENT OF WETLAND ACREAGE AT THE SITE;

3. CONTROLS.
EACH PLAN SHALL INCLUDE A DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE INCLUDING: (1) INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs, (2) INTERMEDIATE GRADING AND DRAINAGE BMPs, AND (3) FINAL BMPs. FOR CONSTRUCTION SITES WHERE THERE WILL BE NO MASS GRADING AND THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND THE PERIMETER CONTROL BMPs, INTERMEDIATE GRADING AND DRAINAGE BMPs, AND FINAL BMPs ARE THE SAME, THE PLAN MAY COMBINE ALL OF THE BMPs INTO A SINGLE PHASE PLAN. THE PLAN WILL INCLUDE APPROPRIATE STAGING AND ACCESS REQUIREMENTS FOR CONSTRUCTION EQUIPMENT. PLANS SUBMITTED AFTER THE EFFECTIVE DATE OF THIS PERMIT SHALL LIMIT THE AMOUNT OF DISTURBED AREA TO NO GREATER THAN 50 ACRES AT ANY ONE TIME WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE APPROPRIATE EPD DISTRICT OFFICE ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. EPD WILL APPROVE OR DISAPPROVE SUCH REQUESTS WITHIN 35 DAYS OF RECEIPT. FAILURE OF EPD TO ACT WITHIN 35 DAYS SHALL BE CONSIDERED AN APPROVAL OF SUCH REQUESTS. IF THE EPD DISTRICT OFFICE APPROVES A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME, THE PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE BEST MANAGEMENT PRACTICES LISTED IN PART III.C.2. OF THIS PERMIT.

THE PLAN WILL CLEARLY DESCRIBE FOR EACH MAJOR ACTIVITY IDENTIFIED IN PART IV.D.2.b. APPROPRIATE CONTROL MEASURES AND THE TIMING DURING THE CONSTRUCTION PROCESS THAT THE MEASURES WILL BE IMPLEMENTED. THE PRIMARY PERMITTEE IS ENCOURAGED TO UTILIZE THE DOCUMENT, DEVELOPING YOUR STORMWATER POLLUTION PREVENTION PLAN: A GUIDE FOR CONSTRUCTION SITES, EPA 833-R-060-04, MAY 2007 (WWW.EPA.GOV/NPDES/PUBS/SW SWPPP GUIDE.PDF), WHEN PREPARING THE PLAN. THE DESCRIPTION AND IMPLEMENTATION OF CONTROLS SHALL ADDRESS THE FOLLOWING MINIMUM COMPONENTS:

a. EROSION AND SEDIMENT CONTROLS.

(1). STABILIZATION MEASURES. A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION MEASURES, INCLUDING SITE-SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE MEASURES. SITE PLANS SHOULD ENSURE THAT EXISTING VEGETATION IS PRESERVED AND THAT DISTURBED PORTIONS OF THE SITE ARE STABILIZED. STABILIZATION MEASURES MAY INCLUDE: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SOD STABILIZATION, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES. A RECORD OF THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES ARE INITIATED SHALL BE INCLUDED IN THE PLAN. EXCEPT AS PROVIDED IN PARAGRAPHS IV.D.3.(a).(1).(a). AND (b). BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE 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 HAS TEMPORARILY OR PERMANENTLY CEASED.

(a). WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASE IS PRECLUDED BY SNOW COVER OR OTHER ADVERSE WEATHER CONDITIONS, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE.

(b). WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 21 DAYS FROM WHEN ACTIVITIES CEASED, (E.G., 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 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED.

(2). STRUCTURAL PRACTICES. A DESCRIPTION OF STRUCTURAL PRACTICES TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE TO THE DEGREE ATTAINABLE. SUCH PRACTICES MAY INCLUDE SILT FENCES, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, CHECK DAMS, SUBSURFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, ROCK OUTLET PROTECTION, REINFORCED SOIL RETAINING SYSTEMS, GABIONS, AND TEMPORARY OR PERMANENT SEDIMENT BASINS. STRUCTURAL PRACTICES SHOULD BE PLACED ON UPLAND SOILS TO THE DEGREE ATTAINABLE. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CWA.

(3). SEDIMENT BASINS. FOR COMMON DRAINAGE LOCATIONS AT A TEMPORARY (OR PERMANENT) SEDIMENT BASIN PROVIDING AT LEAST 1800 CUBIC FEET (67 CUBIC YARDS) OF STORAGE PER ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. THE 1800 CUBIC FEET (67 CUBIC YARDS) OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFF-SITE AREAS AND FLOWS FROM ON-SITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. FOR DRAINAGE LOCATIONS WHERE A TEMPORARY SEDIMENT BASIN PROVIDING AT LEAST 1800 CUBIC FEET (67 CUBIC YARDS) OF STORAGE PER ACRE ARE DRAINED, OR EQUIVALENT CONTROLS IS NOT ATTAINABLE, SEDIMENT TRAPS, SILT FENCES, WOOD MULCH BERMS OR EQUIVALENT SEDIMENT CONTROLS ARE REQUIRED FOR ALL SIDE SLOPE AND DOWN SLOPE BOUNDARIES OF THE CONSTRUCTION AREA. WHEN THE SEDIMENT FILLS TO A VOLUME AT MOST OF 22 CUBIC YARDS PER ACRE FOR EACH ACRE OF DRAINAGE AREA, THE SEDIMENT SHALL BE REMOVED TO RESTORE THE ORIGINAL DESIGN VOLUME. THIS SEDIMENT MUST BE PROPERLY DISPOSED. SEDIMENT BASINS MAY NOT BE FEASIBLE AT SOME CONSTRUCTION PROJECTS. CAREFUL CONSIDERATION MUST BE USED TO DETERMINE WHEN A SEDIMENT BASIN CANNOT BE USED AND/OR WHEN 67 CUBIC YARDS OF STORAGE PER ACRE DRAINED IS NOT ATTAINABLE AND A WRITTEN JUSTIFICATION EXPLAINING THE DECISION(S) MUST BE INCLUDED IN THE PLAN. PERENNIAL AND INTERMITTENT WATERS OF THE STATE SHALL NOT BE USED FOR TEMPORARY OR PERMANENT SEDIMENT DETENTION.

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. OUTLET STRUCTURES THAT WITHDRAW WATER FROM THE SURFACE ARE TEMPORARY BMPs AND MUST BE REMOVED PRIOR TO SUBMITTING A NOTICE OF TERMINATION. FOR CONSTRUCTION ACTIVITIES WHERE THE NOI WAS SUBMITTED PRIOR TO JANUARY 1, 2014, THIS REQUIREMENT OF THE PERMIT IS NOT APPLICABLE.

(4). ALTERNATIVE BMPs. THE USE OF ALTERNATIVE BMPs WHOSE PERFORMANCE HAS BEEN DOCUMENTED TO BE EQUIVALENT OR SUPERIOR TO CONVENTIONAL BMPs AS CERTIFIED BY A DESIGN PROFESSIONAL MAY BE ALLOWED (UNLESS DISAPPROVED BY EPD OR THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION).

(5). HIGH PERFORMANCE BMPs. THE USE OF INFILTRATION TRENCHES, SEEP BERMS, SAND FILTERS, DRY WELLS, POLYACRYLAMIDE, ETC. FOR MINIMIZING POINT SOURCE DISCHARGES EXCEPT FOR LARGE RAINFALL EVENTS IS ENCOURAGED.

26 b. STORM WATER MANAGEMENT. A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. STRUCTURAL MEASURES SHOULD BE PLACED ON UPLAND SOILS TO THE DEGREE ATTAINABLE. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CWA. THIS PERMIT ONLY ADDRESSES THE INSTALLATION OF STORM WATER MANAGEMENT MEASURES, AND NOT THE ULTIMATE OPERATION AND MAINTENANCE OF SUCH STRUCTURES AFTER THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION. OPERATORS ARE ONLY RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF STORM WATER MANAGEMENT MEASURES PRIOR TO FINAL STABILIZATION OF THE SITE, AND ARE NOT RESPONSIBLE FOR MAINTENANCE AFTER STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY HAVE BEEN ELIMINATED FROM THE SITE.

(1). SUCH PRACTICES MAY INCLUDE: STORM WATER DETENTION STRUCTURES (INCLUDING WET PONDS); STORM WATER RETENTION STRUCTURES; FLOW ATTENUATION BY USED OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS; INFILTRATION OF RUNOFF ON-SITE; AND SEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES). THE PLAN SHALL INCLUDE AN EXPLANATION OF THE TECHNICAL BASIS USED TO SELECT THE PRACTICES TO CONTROL POLLUTION WHERE FLOWS EXCEED PRE-DEVELOPMENT LEVELS.

(2). VELOCITY DISSIPATION DEVICES SHALL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL FOR THE PURPOSE OF PROVIDING A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G., NO SIGNIFICANT CHANGES IN THE HYDROLOGICAL REGIME OF THE RECEIVING WATER(S)).

(3). INSTALLATION AND USE OF GREEN INFRASTRUCTURE APPROACHES AND PRACTICES THAT MIMIC NATURAL PROCESSES AND DIRECT STORM WATER WHERE IT CAN BE INFILTRATED, EVAPOTRANSPIRATED OR RE-USED WITH SIGNIFICANT UTILIZATION OF SOILS AND VEGETATION RATHER THAN TRADITIONAL HARDSCAPE COLLECTION, CONVEYANCE AND STORAGE STRUCTURES ARE ENCOURAGED TO THE MAXIMUM EXTENT PRACTICABLE. GREEN INFRASTRUCTURE PRACTICES OR APPROACHES INCLUDE PERMEABLE OR POROUS PAVING, VEGETATED SWALES INSTEAD OF CURBS AND GUTTERS, GREEN ROOFS, TREE BOXES, RAIN GARDENS, CONSTRUCTED WETLANDS, INFILTRATION PLANTERS, VEGETATED MEDIAN STRIPS, PROTECTION AND ENHANCEMENT OF RIPARIAN BUFFERS AND FLOODPLAINS, AND THE OVERALL REDUCTION IN SITE DISTURBANCE AND IMPERVIOUS AREA. DESIGN INFORMATION ON GREEN INFRASTRUCTURE PRACTICES AND OTHER WAYS TO MANAGE STORM WATER CAN BE FOUND IN THE GEORGIA STORMWATER MANAGEMENT MANUAL (WWW.GEORGIASTORMWATER.COM) AND THE GEORGIA GREEN GROWTH GUIDELINES (WWW.COASTALGADNR.ORG/CM/GREEN/GUIDE). ADDITIONAL INFORMATION ON GREEN INFRASTRUCTURE CAN BE FOUND AT WATER.EPA.GOV/INFRASTRUCRURE/GREENINFRASTRUCTURE/INDEX/CFM. 2

GSWCC
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

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Level II Certified Design Professional

CERTIFICATION NUMBER 0000092734
ISSUED: 12/18/2023 EXPIRES: 12/18/2026

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PARCEL ID: 51011-01027

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TITLE
EROSION CONTROL NOTES

SHEET NUMBER
C5-01

c. OTHER CONTROLS.

(1). WASTED DISPOSAL. LOCATE WASTE COLLECTION AREAS AWAY FROM STREETS, GUTTERS, WATERCOURSES AND STORM DRAINS. WASTE COLLECTION AREAS, SUCH AS DUMPSTERS, ARE OFTEN BEST LOCATED NEAR CONSTRUCTION SITE ENTRANCES TO MINIMIZE TRAFFIC ON DISTURBED SOILS. THE PLAN SHOULD INCLUDE SECONDARY CONTAINMENT AROUND LIQUID WASTE COLLECTION AREAS TO FURTHER MINIMIZE THE LIKELIHOOD OF CONTAMINATED DISCHARGES. SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

(2). OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. THE PLAN SHALL INCLUDE THE BEST MANAGEMENT PRACTICE TO BE IMPLEMENTED AT THE SITE OR CONSTRUCTION ACTIVITY.

(3). NOTHING IN THIS PERMIT RELIEVES A PERMITTEE FROM ANY OBLIGATION TO COMPLY WITH ALL APPLICABLE STATE AND LOCAL REGULATIONS OF WASTE DISPOSAL, SANITARY SEWER, SEPTIC AND PETROLEUM STORAGE SYSTEMS.

(4). THE PLAN SHALL INCLUDE BEST MANAGEMENT PRACTICES FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS AS APPROPRIATE.

(24) (5). THE PLAN SHALL INCLUDE BEST MANAGEMENT PRACTICES FOR CONCRETE WASHDOWN OF TOOLS, CONCRETE MIXER CHUTES, HOPPERS, AND THE REAR OF VEHICLES. WASHOUT OF THE DRUM AT THE CONSTRUCTION SITE IS PROHIBITED. ADDITIONAL INFORMATION ABOUT BEST MANAGEMENT PRACTICES FOR CONCRETE WASHOUT IS AVAILABLE AT WWW.EPA.GOV/NPDES/PUBS/CONCRETEWASHOUT.PDF.

(6.). ALL PERMITTEES ARE REQUIRED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING TRENCHES AND EXCAVATIONS. DISCHARGES ARE PROHIBITED UNLESS MANAGED BY APPROPRIATE CONTROLS.

(30)

4. INSPECTIONS.

a. PERMITTEE REQUIREMENTS.

(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 AND (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 AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABILIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY. THE DATA COLLECTED FOR THE PURPOSED OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY. 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 CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E., INITIAL, INTERMEDIATE OR FINAL), 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.(5). 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 BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

5. MAINTENANCE.

THE PLAN SHALL INCLUDE A DESCRIPTION OF PROCEDURES TO ENSURE THE TIMELY MAINTENANCE OF VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THE SITE PLAN.

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 FIRE (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;

(33) (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) ; AND

(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 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.

(g). PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW 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 EPD 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 III.D.3. OR III.D.4., WHICHEVER IS APPLICABLE.

(31) 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 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 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 NOTICE OF TERMINATION, 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-STORMWATER DISCHARGES.

EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORMWATER LISTED IN PART III.A.2 OF THE PERMIT THAT ARE COMBINED WITH STORMWATER 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-STORMWATER COMPONENT(S) OF THE DISCHARGE.

(31) E. REPORTING

1. THE APPLICABLE PERMITTEES 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 USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOTICE OF TERMINATION IS SUBMITTED IN ACCORDANCE WITH PART VI.

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;
c. THE DATE(S) ANALYSES WERE PERFORMED;
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 METHODS USED;
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 NOTICE OF TERMINATION IS SUBMITTED IN ACCORDANCE WITH PART VI.

(32) 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 NOTICE OF TERMINATION 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.

PROJECT DESCRIPTION

(9) PROJECT SUMMARY AND NATURE OF CONSTRUCTION ACTIVITY:
THE PROJECT ALSO INCLUDES THE CONSTRUCTION OF A PARKING DECK AND SURFACE PARKING, STORMWATER CONVEYANCE AND WATER QUALITY, AND ALL ASSOCIATED UTILITIES. THE TOTAL AREA ON SITE IS 1.80 ACRES, AND THE TOTAL DISTURBED AREA IS 1.80 INCLUDING PUBLIC ROW.

(11) THE RECEIVING WATER FOR THE PROJECT IS AN UNNAMED TRIBUTARY OF HARDIN CANAL.

(45) PRE DEVELOPED RUNOFF CN: 95
POST DEVELOPED RUNOFF CN: 91

THE PROPOSED PROJECT AREA WILL BE ROUTED INTO THE EXISTING STORMWATER MANAGEMENT POND AND IT WILL BE DISCHARGED OFFSITE BY OUTLET CONTROL STRUCTURES TO MEET WATER QUALITY STANDARDS.

(26) (28) POST-CONSTRUCTION MEASURES FOR CONTROLLING POLLUTANTS IN STORMWATER AND STORMWATER DISCHARGES INCLUDE THE OUTLET CONTROL STRUCTURES.

(23) TMDL IMPLEMENTATION PLAN COMPLIANCE (IF APPLICABLE)

EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES

1. COMPREHENSIVE:

(14) A. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENT AND PERIMETER CONTROL BMPS AND WITHIN 7 DAYS AFTER INSTALLATION.

(15) B. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25-FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.

(17) C. 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.

(18) D. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

(19) E. 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.

(20) F. 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.

(21) G. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

H. PROVISIONS TO PREVENT EROSION OF SOIL FROM THE SITE SHALL BE AT A MINIMUM IN CONFORMANCE WITH THE REQUIREMENTS OF THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION, AND CITY OF POOLER CODES GOVERNING EROSION AND SEDIMENTATION CONTROL. 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.

I. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB SITE UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE STANDARDS SPECIFIED IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, CURRENT EDITION, AND CITY OF POOLER STANDARDS.

J. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

K. THE CONSTRUCTION OF THE SITE WILL COMMENCE WITH THE INSTALLATION OF EROSION CONTROL MEASURES SUFFICIENT TO CONTROL SEDIMENT DEPOSITS AND EROSION. ALL SEDIMENT CONTROL WILL BE MAINTAINED UNTIL ALL UPSTREAM GROUND WITHIN THE CONSTRUCTION AREA HAS BEEN COMPLETELY STABILIZED WITH PERMANENT VEGETATION AND ALL ROADS/DRIVEWAYS HAVE BEEN PAVED.

L. CONSTRUCTION EXITS SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY OR EXIT FROM THE SITE AND SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH STONE AS CONDITIONS DEMAND, REPAIR, AND/OR CLEANOUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLES OFF SITE ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY. THE PAVED STREET ADJACENT TO THE SITE EXIT WILL BE INSPECTED DAILY FOR TRACKING OF MUD, DIRT, OR ROCK. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

M. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION EXITS, ALL PERIMETER EROSION CONTROL DEVICES AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.

N. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER INSTALLATION.

O. EROSION CONTROL DEVICES ARE TO BE INSTALLED AND FULLY OPERATIONAL PRIOR TO ANY DEMOLITION.

P. SILT FENCE MUST MEET THE REQUIREMENTS OF SECTION 171 - TEMPORARY SILT FENCE OF THE DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA, STANDARD SPECIFICATIONS, CURRENT EDITION, THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, LATEST EDITION, AND CITY OF POOLER STANDARDS.

Q. ADDITIONAL EROSION CONTROL MEASURES WILL BE EMPLOYED WHERE DETERMINED NECESSARY BY ACTUAL SITE CONDITIONS.

2. DURING CONSTRUCTION:

A. ON SITE DUST CONTROL DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALL LOCAL CODES AND REGULATIONS.

B. ALL OPEN SWALES MUST BE GRASSED AND RIP-RAP MUST BE PLACED AS REQUIRED TO CONTROL EROSION. STONE FOR RIP-RAP SHALL CONSIST OF ROUGH UN-HEWN QUARRY GRANITE AS NEARLY IN RECTANGULAR SECTION AS PRACTICAL. THE MINIMUM SIZE STONE SHALL WEIGH BETWEEN 75 AND 150 POUNDS AND SHALL BE HAND PLACED AS A LOOSE STONE EMBANKMENT.

C. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

D. AT ANY TIME DURING CONSTRUCTION IF IT BECOMES NECESSARY TO PUMP STORMWATER OR GROUNDWATER FROM AN EXCAVATION, THE PUMPED WATER MUST MEET THE TURBIDITY REQUIREMENTS OUTLINED IN THE SITE SPECIFIC EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN. WATER THAT DOES NOT MEET THESE REQUIREMENTS MUST BE FILTERED OR DISCHARGED INTO A TEMPORARY SEDIMENT BASIN UNTIL IT MEETS THE TURBIDITY REQUIREMENTS. ONCE THE TURBIDITY REQUIREMENTS HAVE BEEN MET THE WATER MAY BE DISCHARGED INTO THE STORM SEWER SYSTEM. AS A MINIMUM TURBIDITY TESTS SHOULD BE PERFORMED AS DESCRIBED IN THE PERMIT. THESE SAME REQUIREMENTS APPLY TO ALL AUTHORIZED NON-STORMWATER DISCHARGES UNDER THE STATE OF GEORGIA DEPARTMENT OF NATURAL RESOURCES (DNR) ENVIRONMENTAL PROTECTION DIVISION (EPD) GENERAL PERMIT NO. GAR 100001, AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.

3. SOIL CLEANUP AND CONTROL PRACTICES REGARDING PETROLEUM SPILLS AND LEAKS

A. LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.

B. MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDE, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.

C. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.

D. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.

E. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.

F. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.

G. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.

H. FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

I. THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1,320 GALLONS OF PETROLEUM IS STORED ON SITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY A LICENSED PROFESSIONAL.

(2)

GSWCC
GEORGIA SOIL AND WATER CONSERVATION COMMISSION

JAMIE N. GWALTNEY
Level II Certified Design Professional

CERTIFICATION NUMBER 0000092734
ISSUED: 12/18/2023 EXPIRES: 12/18/2026

PREPARED BY
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No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

PROJECT
POOLER SELF-STORAGE FACILITY
PINE BARREN ROAD, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

JAMIE NORRIS GWALTNEY
No. PE034915
PROFESSIONAL ENGINEER
11/27/2024

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	11/15/2024
PROJECT NO.	013488004

TITLE
EROSION CONTROL NOTES

SHEET NUMBER
C5-02

EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES (continued)

(29) 4. PRODUCT SPECIFIC PRACTICES

A. PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER , NATURAL DRAINS, AND STORMWATER 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 METHOD WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

B. PAINTS, FINISHES, AND SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORMWATER COLLECTION SYSTEM. EXCESS PRODUCTS, MATERIALS USED WITH THESE PRODUCTS, AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S RECOMMENDATIONS AND STANDARDS.

C. CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON SITE.

D. 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.

E. BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

5. WASTE MATERIALS

A. NO WASTE WILL BE DISPOSED OF INTO STORMWATER INLETS OR WATERS OF THE STATE.

B. ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ONSITE.

C. ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

6. HAZARDOUS WASTES

A. ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, 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) 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 PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCP FILE AT THE JOBSITE 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.

B. 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 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 JOBSITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

7. SANITARY WASTES

A. 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 (1) TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS.

B. ALL SANITARY WASTE UNITS WILL BE LOCATED IN AN AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORMWATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMPs MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIFICALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORMWATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE, SHEET C5-20, BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

C. SANITARY SEWER WILL BE PROVIDED BY CITY OF POOLER AT THE COMPLETION OF THIS PROJECT.

(27) 8. BUILDING MATERIALS

A. FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE, PROVIDE COVER (e.g. PLASTIC SHEETING, TEMPORARY ROOFS) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORMWATER , OR SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. MINIMIZATION OF EXPOSURE IS NOT REQUIRED IN CASES WHERE EXPOSURE TO PRECIPITATION AND TO STORMWATER WILL NOT RESULT IN A DISCHARGE OF POLLUTANTS, OR WHERE EXPOSURE OF A SPECIFIC MATERIAL OR PRODUCT POSES LITTLE RISK TO STORMWATER CONTAMINATION (SUCH AS FINAL PRODUCTS AND MATERIALS INTENDED FOR OUTDOOR USE).

9. OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION EXIT HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENT. SEE SHEETS C5-10-30, C5-80 FOR CONSTRUCTION EXIT LOCATIONS AND DETAILS. THE PAVED STREET ADJACENT TO THE SITE EXIT WILL BE INSPECTED DAILY FOR TRACKING OF MUD, DIRT OR ROCK. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.

EROSION CONTROL LEGEND

VEGETATIVE MEASURES:

Bf	BUFFER ZONE
Cs	COASTAL DUNE STABILIZATION
Ds1	DISTURBED AREA STABILIZATION: (WITH MULCHING ONLY)
Ds2	DISTURBED AREA STABILIZATION: (WITH TEMPORARY SEEDING)
Ds3	DISTURBED AREA STABILIZATION: (WITH PERMANENT VEGETATION)
Ds4	DISTURBED AREA STABILIZATION: (WITH SODDING)
Du	DUST CONTROL ON DISTURBED AREAS
Fl-Co	FLOCCULANTS COAGULANTS
Sb	STREAMBANK STABILIZATION: (USING PERMANENT VEGETATION)
Ss	SLOPE STABILZATION
Sp	SAMPLING POINT
Tac	TACKIFIERS AND BINDERS

STRUCTURAL MEASURES:

Cd-S	STONE CHECK DAM
Cd-Hb	STRAW- BALE CHECK DAM
Cd-Fs	STRAW- BALE CHECK DAM
Ch-1	CHANNEL STABILIZATION: VEGETATED LINING
Ch-2	CHANNEL STABILIZATION: ROCK RIP-RAP LINING
Ch-3	CHANNEL STABILIZATION: CONCRETE LINING
Co	CONSTRUCTION EXIT
Cr	CONSTRUCTION ROAD STABILIZATION
Dc	STREAM DIVERSION CHANNEL
Di	DIVERSION
Dn1	TEMPORARY DOWNDRAIN STRUCTURE
Dn2	PERMANENT DOWNDRAIN STRUCTURE
Fr	FILTER RING
Ga	GABION
Gr	GRADE STABILIZATION STRUCTURE
Lv	LEVEL SPREADER
Rd	ROCK FILTER DAM
Re	RETAINING WALL
Rt-P	RETROFITTING: PERFORATED HALF-ROUND PIPE WITH STONE FILTER
Rt-B	RETROFITTING: SLOTTED BOARD DAM WITH STONE OR FILTER FABRIC
Sd1-S	SEDIMENT BARRIER - SENSITIVE AREAS
Sd1-NS	SEDIMENT BARRIER - NON SENSITIVE AREAS
Sd1-BB	SEDIMENT BARRIER - BRUSH BARRIER

STRUCTURAL MEASURES (continued):

Sd2-F	INLET SEDIMENT TRAP: FILTER FABRIC WITH SUPPORTING FRAME
Sd2-B	INLET SEDIMENT TRAP: BAFFLE BOX
Sd2-Bg	INLET SEDIMENT TRAP: BLOCK AND GRAVEL DROP INLET PROTECTION
Sd2-G	INLET SEDIMENT TRAP: GRAVEL DROP INLET PROTECTION
Sd2-S	INLET SEDIMENT TRAP: SOD INLET PROTECTION
Sd2-P	INLET SEDIMENT TRAP: CURB INLET PROTECTION
Sd2-SS	INLET SEDIMENT TRAP: SILT SAVER
Sd3	TEMPORARY SEDIMENT BASIN
Sd4-A	TEMPORARY SEDIMENT TRAP: OVERFLOW
Sd4-B	TEMPORARY SEDIMENT TRAP: COMBINATION STRAW BALE & SILT FENCE OUTLET
Sd4-C	TEMPORARY SEDIMENT TRAP: ROCK OUTLET
Sk	FILTER SURFACE SKIMMER
SpB	SEEP BERM
Sr	TEMPORARY STREAM CROSSING
St	STORM DRAIN OUTLET PROTECTION
Su	SURFACE ROUGHENING
Tc	TURBIDITY CURTAIN
Tp	TOPSOILING
Tr	TREE PROTECTION
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL

EROSION CONTROL LINETYPES / SYMBOLS

TPF	TREE PROTECTION FENCE
	SOIL TYPE DELINEATION
	FLOW ARROW
LOD	LIMITS OF DISTURBANCE

(34)

WARM WATER (SUPPORTING WARM WATER FISHERIES)

SITE SIZE, ACRES	SURFACE WATER DRAINAGE AREA, SQUARE MILES							
	0-4.99	5-9.99	10-24.99	25-49.99	50-99.99	100-249.99	250-499.99	500+
1.00-10	75	150	200	400	750	750	750	750
10.01-25	50	100	100	200	300	500	750	750
25.01-50	50	50	100	100	200	300	750	750
50.01-100	50	50	50	100	100	150	300	600
100.01+	50	50	50	50	50	100	200	100

APPENDIX B
NEPHELOMETRIC TURBIDITY UNIT (NTU) TABLE

(29)

START DATE 01/2025
END DATE 01/2026

THIS SCHEDULE IS TO BE USED FOR PERMITTING PURPOSES ONLY. REFER TO APPROVED PROJECT SCHEDULE FOR EXACT CONSTRUCTION SEQUENCING.

MONTH

DESCRIPTION	1	2	3	4	5	6	7	8	9	10	11	12
INITIAL EROSION CONTROL BMP INSTALL.												
7-DAY LETTER												
Sd3 INSTALLATION AND MAINTENANCE												
DEMOLITION												
CLEARING, GRUBBING, GRADING												
TEMPORARY GRASSING												
PERMANENT GRASSING (IF APPLICABLE)												
INTER. EROSION CONTROL BMPS INSTALL.												
MAINT. OF EROSION CONTROL DEVICES												
STORM AND SANITARY SEWER INSTALL.												
BUILDING CONSTRUCTION												
FINAL EROSION CONTROL BMPS INSTALL.												
FINAL PAVING												
CLEANING OF STORM DRAINS												
FINAL LANDSCAPING												
REMOVAL OF EROS. CONTROL MEASURES												

ACTIVITY SCHEDULE

(29)

SEQUENCE OF CONSTRUCTION DISCLAIMER:
THE SEQUENCE OF CONSTRUCTION SHOWN ABOVE AND THROUGHOUT THE PLANS ARE A GENERAL OVERVIEW AND ARE INTENDED TO CONVEY THE GENERAL CONCEPTS OF THE EROSION CONTROL DESIGN AND SHOULD NOT BE RELIED UPON FOR CONSTRUCTION PURPOSES. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETAILED PHASING AND CONSTRUCTION SEQUENCING NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS INCLUDED IN THESE PLANS. THE CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING IMMEDIATELY, PRIOR TO AND/OR DURING CONSTRUCTION IF ANY ADDITIONAL INFORMATION ON THE CONSTRUCTION SEQUENCE IS NECESSARY. CONTRACTOR IS SOLELY RESPONSIBLE FOR COMPLYING WITH THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION AND ALL OTHER APPLICABLE LAWS.

(6)

SITE AREA SUMMARY:
TOTAL SITE AREA = 1.80 ACRES
TOTAL DISTURBED AREA = 1.80 ACRES

(4)

24-HOUR CONTACT:
NAME: BRENT DAVIS
COMPANY: THE DAVIS GROUP, LLC.
NUMBER: 678-392-3618

(5)

PRIMARY PERMITTEE:
NAME: BRENT DAVIS
COMPANY: THE DAVIS GROUP, LLC
ADDRESS: 11520 DAVIS DRIVE, SUITE 300
ALPHARETTA, GA 30009
PHONE: 678-392-3618
EMAIL: brent@davisgroupga.com

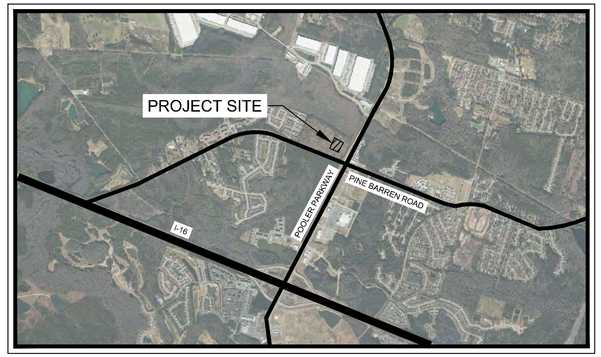
(2)

GSWCC Georgia Soil and Water Conservation Commission

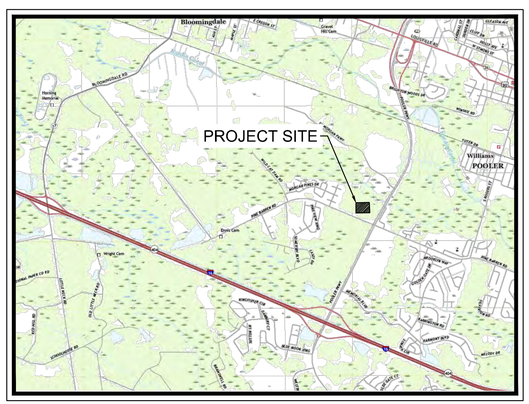
JAMIE N. GWALTNEY
Level II Certified Design Professional

Certification Number 0000092734
Issued: 12/18/2023 Expires: 12/18/2026

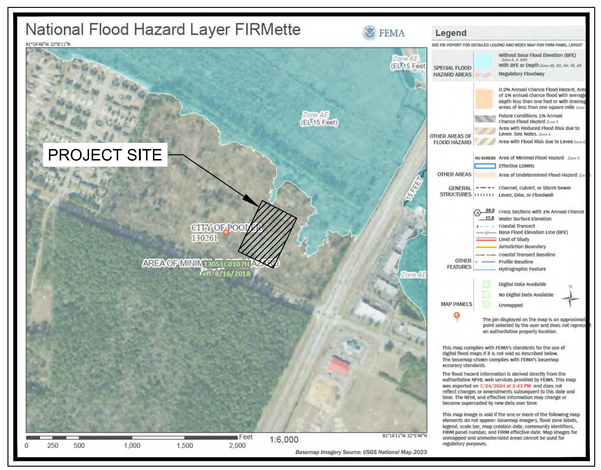
(10)



VICINITY MAP



U.S.G.S. TOPOGRAPHIC MAP
CITY OF POOLER, GA QUAD MAP



FEMA MAP

PREPARED BY
Kimley»Horn
© 2024 KIMLEY-HORN AND ASSOCIATES, INC.
25 BULL STREET, SUITE 400
SAVANNAH, GEORGIA 31401
PHONE: 912-544-2037
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PREPARED FOR
DG THE DAVIS GROUP
11520 DAVIS DRIVE, SUITE 300, SUITE 300
ALPHARETTA, GA 30009
PHONE: 678-392-3618

No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

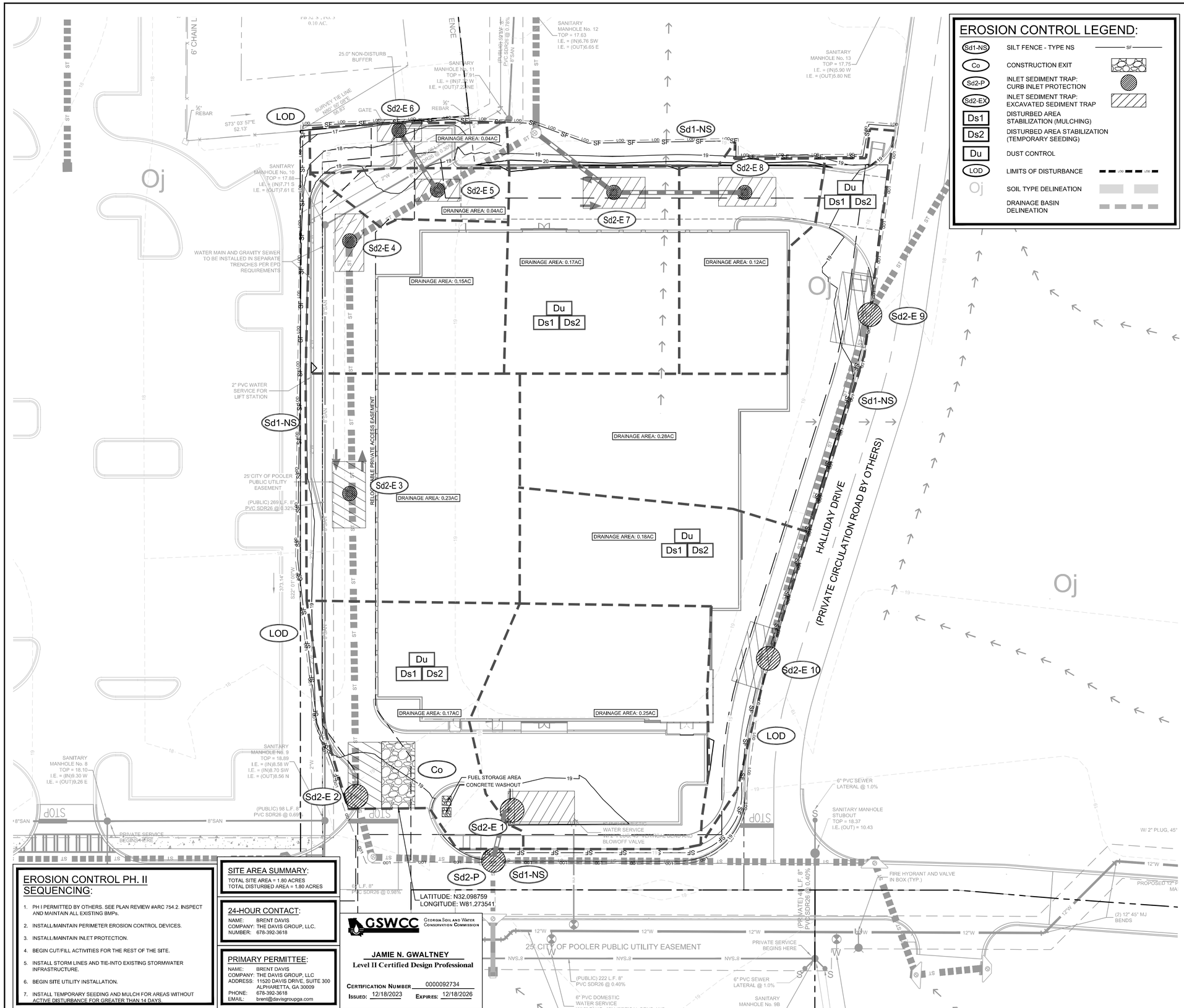
PROJECT
POOLER SELF-STORAGE FACILITY
PINE BARREN ROAD, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE034916 JAMES NORRIS GWALTNEY
11/27/2024

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	11/15/2024
PROJECT NO.	013488004

TITLE
EROSION CONTROL NOTES

SHEET NUMBER
C5-03



EROSION CONTROL LEGEND:

Sd1-NS	SILT FENCE - TYPE NS
Co	CONSTRUCTION EXIT
Sd2-P	INLET SEDIMENT TRAP: CURB INLET PROTECTION
Sd2-EX	INLET SEDIMENT TRAP: EXCAVATED SEDIMENT TRAP
Ds1	DISTURBED AREA STABILIZATION (MULCHING)
Ds2	DISTURBED AREA STABILIZATION (TEMPORARY SEEDING)
Du	DUST CONTROL
LOD	LIMITS OF DISTURBANCE
Oj	SOIL TYPE DELINEATION
	DRAINAGE BASIN DELINEATION

EROSION CONTROL NOTES:

1. CONTRACTOR IS TO ADHERE TO THE CITY OF POOLER EROSION AND SEDIMENT CONTROL REGULATIONS, AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL" FOR GEORGIA.
2. **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.**
3. **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.**
4. **ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.**
5. ALL OPEN DRAINAGE SWALES SHALL BE GRASSED AND RIPRAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.
6. THE CONTRACTOR SHALL INSTALL AND MAINTAIN SILT BARRIERS AROUND ALL DRAINAGE STRUCTURES UNTIL ALL CONSTRUCTION HAS BEEN COMPLETED.
7. SILT FENCES SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING THE PROPERTY LIMITS.
8. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS, CURRENT EDITION AND BE WIRE REINFORCED.
9. THERE ARE NO CURRENT APPARENT EROSION CONTROL PROBLEMS ON SITE. CONTRACTOR SHALL TAKE PROCEDURES AS NECESSARY TO PREVENT EROSION AND SEDIMENT TRANSPORT DURING CONSTRUCTION.
10. MAXIMUM EMBANKMENT SLOPES ARE TO BE AS FOLLOWS: CUT AREAS - 2:1, FILL AREAS - 2:1.
11. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CLEANED AND MAINTAINED PER THE SPECIFICATIONS.
12. ALL CUT AND FILL SLOPES MUST BE SURFACE ROUGHENED AND VEGETATED WITHIN SEVEN (7) DAYS OF THEIR CONSTRUCTION.
13. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. THE CONTRACTOR MUST CLEAN ALL SEDIMENT TRAPS AS REQUIRED BY THE OWNER'S REPRESENTATIVE OR LOCAL & STATE REQUIREMENTS.
14. FAILURE TO INSTALL, OPERATE AND MAINTAIN ALL EROSION CONTROL MEASURES, AS SHOWN ON THE APPROVED PLANS OR AS DIRECTED BY THE OWNER/PROJECT REPRESENTATIVE AND/OR LOCAL MUNICIPALITY AND STATE MAY RESULT IN ALL WORK ON THE CONSTRUCTION SITE BEING STOPPED UNTIL PROPER CORRECTIVE MEASURES HAVE BEEN MET, AS REQUIRED AND/OR DIRECTED.
15. THE CONTRACTOR SHALL KEEP AND MAINTAIN ONSITE A LOG NOTING THE DATE OF ALL RAINFALL EVENTS, THE AMOUNT OF RAINFALL RECEIVED, DURATION OF RAINFALL EVENT, INSPECTION NOTES, AND ANY REPAIRS OR CLEANING OF EROSION CONTROL DEVICES.
16. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) DAYS AND AFTER ANY RAINFALL EVENT.
17. ALL SLOPES 2:1 AND SEDIMENT BASINS SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS NORTH AMERICAN GREEN SC150 OR EQUIVALENT, IN ADDITION TO GRASSING/HYDROSEEDING.
18. SEE DETAILS FOR Ds2 AND Ds3 SEEDING AND MULCHING REQUIREMENTS.
19. STORM DRAINAGE SYSTEM SHALL BE INSTALLED AS SOON AS POSSIBLE DURING THE CONSTRUCTION PROCESS, AND ALL RUNOFF SHALL BE DIRECTED TO THE DRAINAGE SYSTEM.
20. PRIOR TO STORM DRAINAGE SYSTEM INSTALLATION ALL RUNOFF LEAVING THE SITE SHALL BE FILTERED THROUGH SILT FENCES AND FILTERS PRIOR TO DISCHARGE OFFSITE. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THIS REQUIREMENT ONSITE DURING ALL PHASES OF CONSTRUCTION.
21. THIS PROJECT DOES NOT LIE WITHIN A 100 YEAR FLOOD HAZARD ZONE AS DEFINED BY THE F.E.M.A. "FLOOD HAZARD BOUNDARY MAP" COMMUNITY PANEL NUMBER 13051C0107H, DATED 08/16/2018.
22. WETLANDS DO/DO NOT EXIST ON SITE.
23. SITE DOES/DOES NOT LIE WITHIN 200 FEET OF A JURISDICTIONAL STREAM.
24. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
25. 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.
26. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION.
27. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
28. THE RECEIVING WATER FOR THE PROJECT IS AN UNNAMED TRIBUTARY OF HARDIN CANAL. THE PROJECT IS NOT WITHIN ONE LINEAR MILE FROM A BIOTA IMPAIRED STREAM SEGMENT AND DOES/DOES NOT DISCHARGE DIRECTLY INTO AN IMPAIRED STREAM SEGMENT.
29. **NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR WITHIN 25 FEET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.**
30. EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES TO BE INSPECTED DAILY.
31. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR, 100001.

HYDROLOGIC SOIL GROUPS:

Oj (Ocilla Complex)

EROSION CONTROL PH. II SEQUENCING:

1. PH I PERMITTED BY OTHERS. SEE PLAN REVIEW #ARC 754.2. INSPECT AND MAINTAIN ALL EXISTING BMPs.
2. INSTALL/MAINTAIN PERIMETER EROSION CONTROL DEVICES.
3. INSTALL/MAINTAIN INLET PROTECTION.
4. BEGIN CUT/FILL ACTIVITIES FOR THE REST OF THE SITE.
5. INSTALL STORM LINES AND TIE-INTO EXISTING STORMWATER INFRASTRUCTURE.
6. BEGIN SITE UTILITY INSTALLATION.
7. INSTALL TEMPORARY SEEDING AND MULCH FOR AREAS WITHOUT ACTIVE DISTURBANCE FOR GREATER THAN 14 DAYS.

SITE AREA SUMMARY:

TOTAL SITE AREA = 1.80 ACRES
TOTAL DISTURBED AREA = 1.80 ACRES

24-HOUR CONTACT:

NAME: BRENT DAVIS
COMPANY: THE DAVIS GROUP, LLC.
NUMBER: 678-392-3618

PRIMARY PERMITTEE:

NAME: BRENT DAVIS
COMPANY: THE DAVIS GROUP, LLC
ADDRESS: 11520 DAVIS DRIVE, SUITE 300 ALPHARETTA, GA 30009
PHONE: 678-392-3618
EMAIL: brent@davisgroupga.com

GSWCC Georgia Soil and Water Conservation Commission

JAMIE N. GWALTNEY
Level II Certified Design Professional

Certification Number 0000092734
Issued: 12/18/2023 Expires: 12/18/2026

GEORGIA811. Utilities Protection Center, Inc. Know what's below. Call before you dig.

GRAPHIC SCALE IN FEET
0 10 20 40
1" = 20'

PREPARED BY
Kimley»Horn

25 BULL STREET, SUITE 400
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PREPARED FOR
DG THE DAVIS GROUP
11520 DAVIS DRIVE, SUITE 300, SUITE 300
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PHONE: 678-392-3618

No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

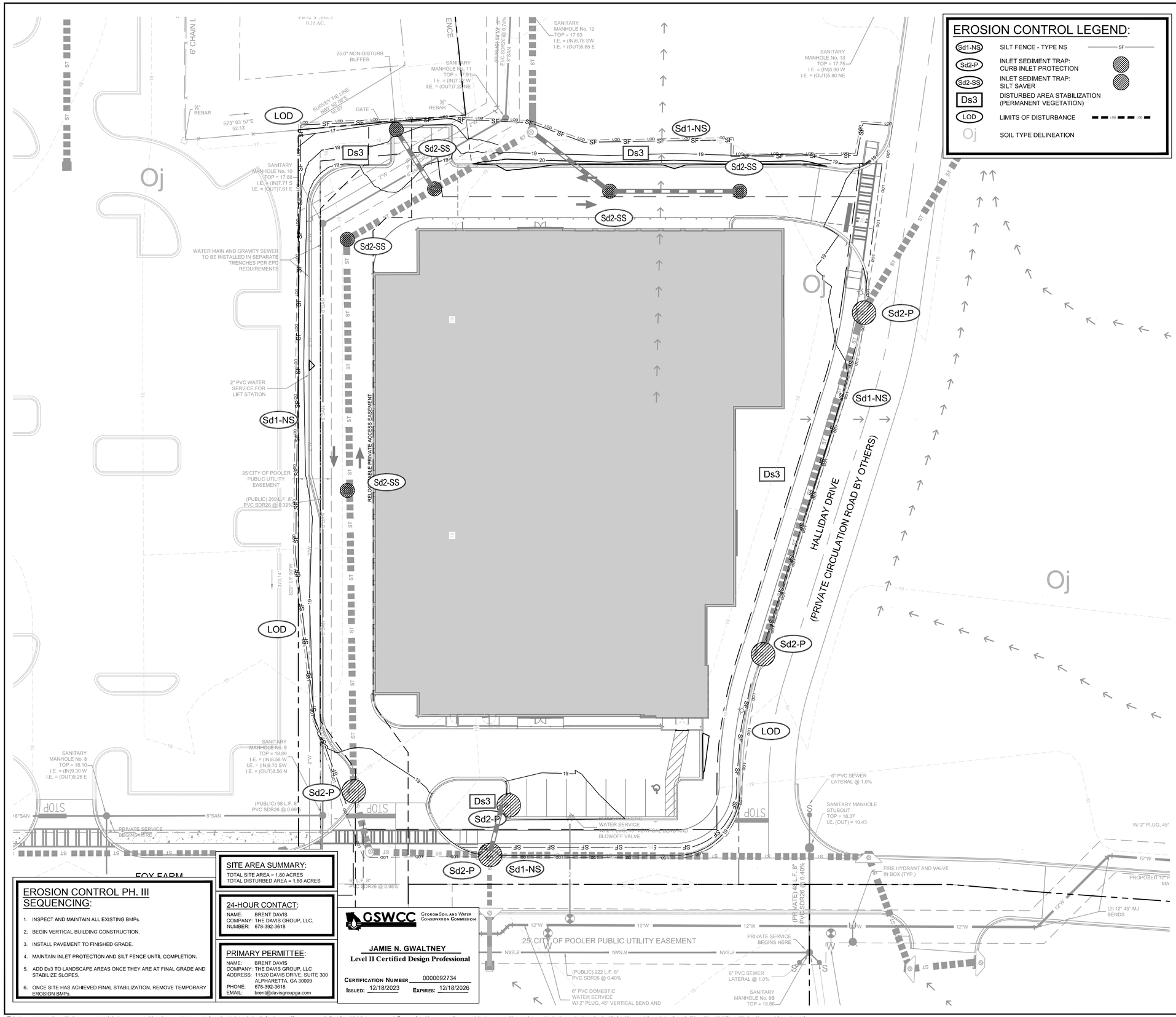
PROJECT
POOLER SELF-STORAGE FACILITY
PINE BARREN ROAD, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED No. PE034915 PROFESSIONAL ENGINEER
JAMIE NORRIS GWALTNEY
11/27/2024

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	11/15/2024
PROJECT NO.	013488004

TITLE
EROSION CONTROL PLAN - PHASE 2

SHEET NUMBER
C5-20



EROSION CONTROL LEGEND:

Sd1-NS	SILT FENCE - TYPE NS
Sd2-P	INLET SEDIMENT TRAP: CURB INLET PROTECTION
Sd2-SS	INLET SEDIMENT TRAP: SILT SAVER
Ds3	DISTURBED AREA STABILIZATION (PERMANENT VEGETATION)
LOD	LIMITS OF DISTURBANCE
Oj	SOIL TYPE DELINEATION

EROSION CONTROL NOTES:

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18. SEE DETAILS FOR Ds2 AND Ds3 SEEDING AND MULCHING REQUIREMENTS.
19. STORM DRAINAGE SYSTEM SHALL BE INSTALLED AS SOON AS POSSIBLE DURING THE CONSTRUCTION PROCESS, AND ALL RUNOFF SHALL BE DIRECTED TO THE DRAINAGE SYSTEM.
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31. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 100001.
32. CONTRACTOR TO REMOVE ALL TEMPORARY BMPS BY FINAL GRADE.

HYDROLOGIC SOIL GROUPS:

Oj

EROSION CONTROL PH. III SEQUENCING:

1. INSPECT AND MAINTAIN ALL EXISTING BMPs.
2. BEGIN VERTICAL BUILDING CONSTRUCTION.
3. INSTALL PAVEMENT TO FINISHED GRADE.
4. MAINTAIN INLET PROTECTION AND SILT FENCE UNTIL COMPLETION.
5. ADD Ds3 TO LANDSCAPE AREAS ONCE THEY ARE AT FINAL GRADE AND STABILIZE SLOPES.
6. ONCE SITE HAS ACHIEVED FINAL STABILIZATION, REMOVE TEMPORARY EROSION BMPs.

SITE AREA SUMMARY:

TOTAL SITE AREA = 1.80 ACRES
TOTAL DISTURBED AREA = 1.80 ACRES

24-HOUR CONTACT:

NAME: BRENT DAVIS
COMPANY: THE DAVIS GROUP, LLC.
NUMBER: 678-392-3618

PRIMARY PERMITTEE:

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0 10 20 40
1" = 20'

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No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

PROJECT
POOLER SELF-STORAGE FACILITY
PINE BARREN ROAD, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED No. PE034916 PROFESSIONAL ENGINEER JAMIE NORRIS GWALTNEY
11/27/2024

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	11/15/2024
PROJECT NO.	013488004

TITLE
EROSION CONTROL PLAN - PHASE 3

SHEET NUMBER
C5-30

MATERIAL	DEPTH
DRY STRAW OR HAY	2" TO 4"
WOOD WASTE (SAWDUST, BARK, CHIPS)	2" TO 3"
BLACK POLYETHYLENE FILM	COMPLETELY COVER AREA; HOLD IN PLACE WITH SOIL ON OUTER EDGE

Ds1 MULCHING

FERTILIZER REQUIREMENTS FOR PERMANENT VEGETATION

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	1000	-
	MAINTENANCE	10-10-10	400	30
COOL SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500	0-50
	SECOND	0-10-10	1000	-
	MAINTENANCE	0-10-10	400	-
GROUND COVERS	FIRST	10-10-10	1300	-
	SECOND	10-10-10	1300	-
	MAINTENANCE	10-10-10	1100	-
PINE SEEDLINGS	FIRST	20-10-5	ONE 21-GRAM PELLET PER SEEDLING PLACED IN THE CLOSING HOLE	-
SHRUB LESPEDEZA	FIRST	0-10-10	700	-
	MAINTENANCE	0-10-10	700	-
TEMPORARY GROUND COVER CROPS SEEDED ALONE	FIRST	10-10-10	500	30
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	800	50-100
	MAINTENANCE	10-10-10	400	30
WARM SEASON GRASSES & LEGUMES	FIRST	6-12-12	1500	50
	SECOND	0-10-10	1000	-
	MAINTENANCE	0-10-10	400	-

Ds3 PERMANENT SEEDING

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

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

SPECIES	RATES PER 1,000 SQ. FT.	RATES PER ACRE	PLANTING DATES BY REGION M-L	P	C
BARLEY	3.3 LBS.	3 BU.	9/1-10/31	9/15-11/15	10/1-12/31
OATS	2.9 LBS.	4 BU.	9/15-11/15	9/15-11/15	9/15-11/15
TRITCALE	3.3 LBS.	3 BU.	-	-	10/15-12/15
RYEGRASS, ANNUAL	0.9 LBS.	40 LBS.	8/15-11/15	9/1-12/15	9/15-12/31
RYE LESPEDEZA,	0.6 LBS.	0.5 BU.	8/15-10/31	9/15-11/30	10/1-12/31
ANNUAL	0.9 LBS.	40 LBS.	3/1-3/31	3/1-3/31	2/1-2/28
WEEPING LOVEGRASS	0.1 LBS.	4 LBS.	4/1-5/31	4/1-5/31	3/1-5/31
SUDANGRASS	1.4 LBS.	60 LBS.	4/1-8/31	4/1-8/31	3/1-7/31
MILLET, BROWNTOP	0.9 LBS.	40 LBS.	4/15-6/15	4/15-6/30	4/15-6/30
MILLET, PEARL	1.1 LBS.	50 LBS.	5/15-7/15	5/1-7/31	4/15-8/15
WHEAT	4.1 LBS.	3 BU.	9/15-11/30	10/1-12/15	10/15-12/31

1. TEMPORARY COVER CROPS ARE VERY COMPETITIVE AND WILL CROWN OUT PERENNIALS IF PLANTED TOO HEAVILY.

2. REDUCE SEEDING RATES BY 50% WHEN DRILLED.

3. UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES.

4. SEEDING RATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.

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

P REPRESENTS THE SOUTHERN PIEDMONT REGION MLRA.

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

FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION

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

Ds2 TEMPORARY SEEDING

PLANTS, PLANTING RATES, AND PLANTING DATES FOR PERMANENT COVER

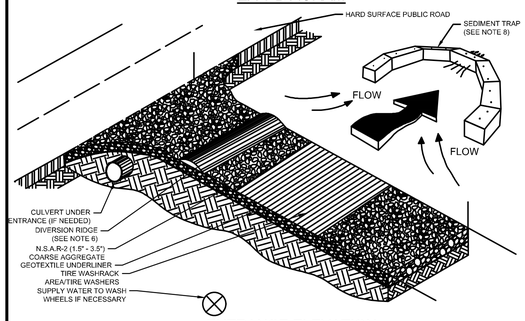
TYPES OF SPECIES	RATES PER ACRE	RATES PER 1,000 SF	PLANTING DATES BY REGION M-L	P	C	REMARKS
BAHIA, PENSACOLA ALONE OR WITH TEMPORARY COVER WITH PERENNIALS	60 LBS. 30 LBS.	1.4 LBS. 0.7 LBS.	-	4/1-5/31	3/1-5/31	LOW GROWING AND SOD FORMING. ALLOW TO ESTABLISH. WILL SPREAD INTO BERMUDA LAWNS.
BAHIA, WILMINGTON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

Ds3 PERMANENT GRASSING

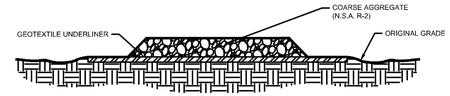
DISTURBED AREA STABILIZATION

Co CRUSHED STONE CONSTRUCTION EXIT

EXIT DIAGRAM



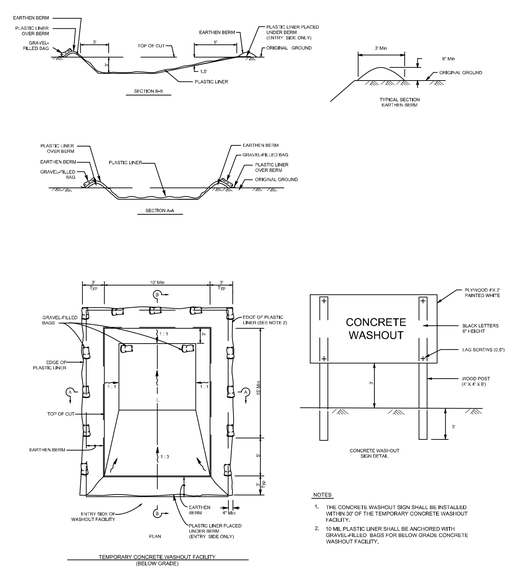
ENTRANCE ELEVATION



NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%..
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

CONSTRUCTION EXIT (Co)

CONCRETE WASHOUT AREA DETAIL



NOTES:
1. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30' OF THE TEMPORARY CONCRETE WASHOUT FACILITY.
2. 10 MIL PLASTIC LINER SHALL BE ANCHORED WITH GRAVEL-FILLED BAGS FOR BELOW GRADE CONCRETE WASHOUT FACILITY.

CONCRETE WASHOUT AREA DETAIL

TEMPORARY METHODS:
MULCHES - REFER TO Ds1 (DISTURBED AREA STABILIZATION)

VEGETATIVE COVER - REFER TO Ds2 (DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING)

TILLAGE - ROUGHEN AND BRING CLODS TO THE SURFACE BY USE OF CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART

IRRIGATION - SITE SPRINKLED WITH WATER UNTIL WET. REPEAT AS NEEDED

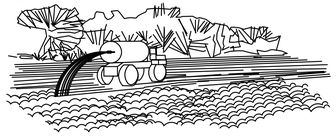
BARRIERS - FENCES, HAY BALES, AND CRATE WALLS PLACED AT INTERVALS 15 TIMES THEIR HEIGHT AND PERPENDICULAR TO AIR CURRENTS

CALCIUM CHLORIDE - APPLY TO KEEP SURFACE WET. REPEAT AS NEEDED.

PERMANENT METHODS:
PERMANENT VEGETATION - REFER TO Ds3 (DISTURBED AREA STABILIZATION WITH PERMANENT VEGETATION)

TOPSOILING - COVERING THE SURFACE WITH A LESS EROSIVE SOIL MATERIAL

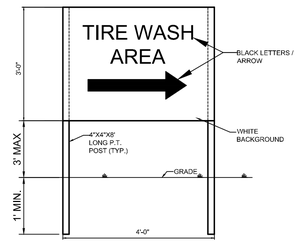
STONE - SURFACE WITH CRUSHED STONE OR COARSE GRAVEL (SEE Cr - CONSTRUCTION ROAD STABILIZATION)



Du

DUST CONTROL ON DISTURBED AREAS (Du)

TIRE WASH AREA SIGN



TIRE WASH SIGN DETAIL

GSWCC Georgia Soil and Water Conservation Commission

JAMIE N. GWALTNEY
Level II Certified Design Professional

Certification Number 0000092734
Issued: 12/18/2023 Expires: 12/18/2026

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No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

PROJECT
POOLER SELF-STORAGE FACILITY
PINE BARREN ROAD, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

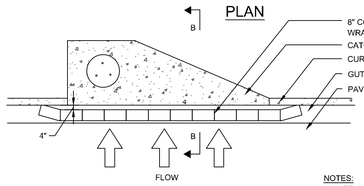
GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE034916 JAYME NORRIS GWALTNEY
11/27/2024

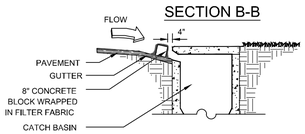
GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	11/15/2024
PROJECT NO.	013488004

TITLE
EROSION CONTROL DETAILS

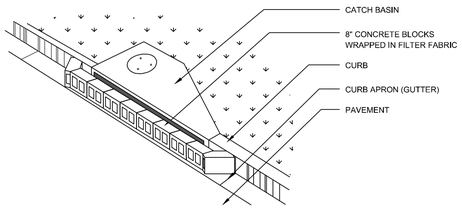
SHEET NUMBER
C5-80

Sd2-P INLET SEDIMENT TRAP: CURB INLET PROTECTION





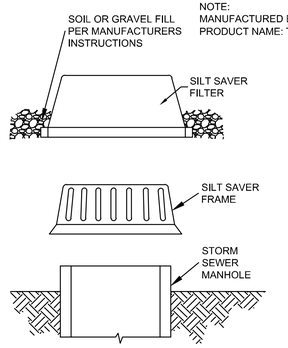
NOTES:
1. INSTALL FILTER AFTER ANY ASPHALT PAVEMENT INSTALLATION.
2. WRAP 8" CONCRETE BLOCKS IN FILTER FABRIC AND SPAN ACROSS CATCH BASIN INLET.
3. FACE OPENINGS IN BLOCKS OUTWARD.
4. LEAVE A GAP OF APPROXIMATELY 4 INCHES BETWEEN THE CURB AND THE FILTERS TO ALLOW FOR OVERFLOW TO PREVENT HAZARDOUS PONDING.
5. INSTALL OUTLET PROTECTION BELOW STORM DRAIN OUTLETS.



INLET SEDIMENT TRAP - CURB INLET PROTECTION (Sd2-P)

Sd2-SS INLET SEDIMENT TRAP: SILT SAVER DROP INLET PROTECTION

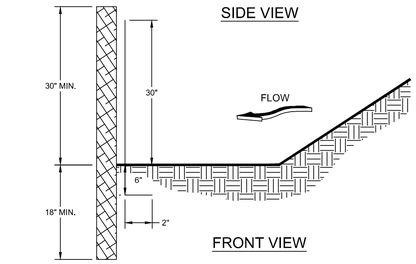
NOTE:
MANUFACTURED BY: SILT-SAVER, INC.
PRODUCT NAME: THE SILT SAVER ©

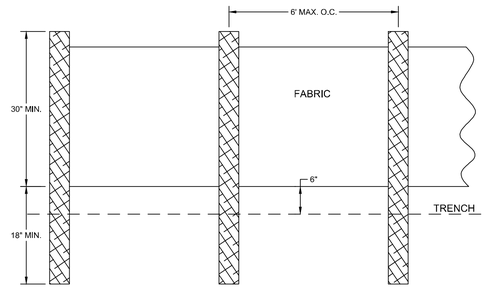


1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW. THE TOP OF THE INLET STRUCTURE.
2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
3. SLIDE THE FILTER OVER THE FRAME.
4. FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
5. BACKFILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACKFILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.
6. THE TRAP SHALL BE INSPECTED DAILY AND AFTER EACH RAIN AND REPAIRS MADE AS NEEDED. SEDIMENT SHALL BE REMOVED WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-HALF THE HEIGHT OF THE TRAP.

INLET SEDIMENT TRAP - SILT SAVER (Sd2-SS)

Sd1-NS SILT FENCE - TYPE NON-SENSITIVE



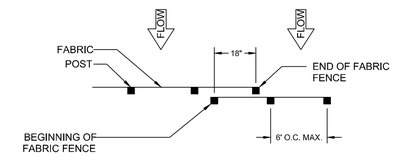


NOTES:
1. USE STEEL OR WOOD POSTS OR AS SPECIFIED BY THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
2. HEIGHT (") IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

SILT FENCE - TYPE NON-SENSITIVE (Sd1-NS)

FASTENERS FOR SILT FENCES

OVERLAP AT FABRIC ENDS



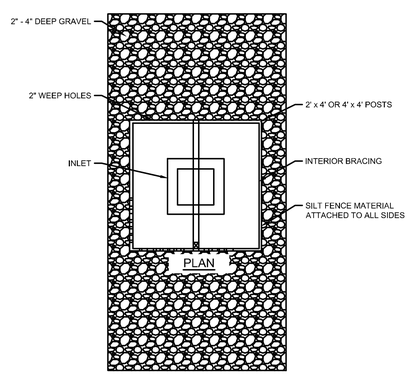
TOP VEIW - NOT TO SCALE

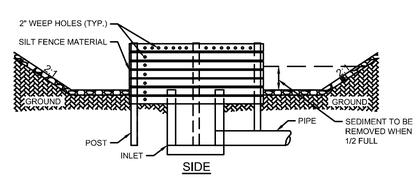
FRONT VIEWS - NOT TO SCALE

NOTES:
1. THE FABRIC AND WIRE SHOULD BE SECURELY FASTENED TO POSTS AND FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET.

SILT FENCE - FASTENERS

Sd2-EX EXCAVATED INLET SEDIMENT TRAP





If the EXCAVATED INLET SEDIMENT TRAP is used, show the following information:

1. Drainage area = __A__ ac
2. Required sediment storage = 67 cy/ac * drainage area
   Required sediment storage = 67 cy/ac * __A__ ac
   Required sediment storage = __B__ cy = __C__ cf
3. Assume excavation depth (minimum of 1.5 ft.) = __D__ ft
4. Assume slope of sides (shall not be steeper than 2:1) = __E__ : 1
5. Determine required surface area
   SA_{req} = Required sediment storage / excavation depth
   SA_{req} = __B__ cy / __D__ ft
   SA_{req} = __F__ SF
6. Assume shape of excavation and determine dimensions.
   (A rectangular shape with 2:1 length to width ratio is recommended.)
   Shape: __G__
   Dimensions: l = __H__ ft w = __J__ ft diameter (if applicable) = __K__ ft.

Excavated Inlet Sediment Trap

Description	Drainage Area, DA		Required Storage		Depth	Side Slope	Required Surface Area	Excavation Shape	Dimensions (Length)	Dimensions (Width)	Provided Surface Area	Provided Storage
ID	sf	ac	cy	cf	ft	(x:1)	sf		ft	ft	sf	cf
Sd2-E 1	10,708	0.25	16.5	**446**	2	3	223	Rectangular	32	16	512	**572**
Sd2-E 2	7,513	0.17	11.6	**313**	2	3	157	Rectangular	28	14	392	**396**
Sd2-E 3	9,975	0.23	15.3	**413**	2	3	207	Rectangular	30	15	450	**480**
Sd2-E 4	6,499	0.15	10.0	**270**	2	3	135	Rectangular	26	13	338	**320**
Sd2-E 5	1,785	0.04	2.7	**73**	2	3	37	Rectangular	20	10	200	**140**
Sd2-E 6	1,847	0.04	2.8	**76**	2	3	38	Rectangular	20	10	200	**140**
Sd2-E 7	7,271	0.17	11.2	**302**	2	3	151	Rectangular	28	14	392	**396**
Sd2-E 8	5,241	0.12	8.1	**219**	2	3	110	Rectangular	26	13	338	**320**
Sd2-E 9	12,009	0.28	18.5	**500**	2	3	250	Rectangular	32	16	512	**572**
Sd2-E 10	7,892	0.18	12.1	**327**	2	3	164	Rectangular	28	14	392	**396**
Table Key		A	B	C	D	E	F	G	H	J		

EXCAVATED INLET SEDIMENT TRAP (Sd2-EX)

GSWCC Georgia Soil and Water Conservation Commission

JAMIE N. GWALTNEY
Level II Certified Design Professional

Certification Number 0000092734
Issued: 12/18/2023 Expires: 12/18/2026

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No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

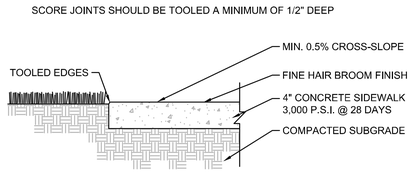
PROJECT
POOLER SELF-STORAGE FACILITY
PINE BARREN ROAD, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED No. PE034916 PROFESSIONAL ENGINEER JAMIE NORRIS GWALTNEY
11/27/2024

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	11/15/2024
PROJECT NO.	013488004

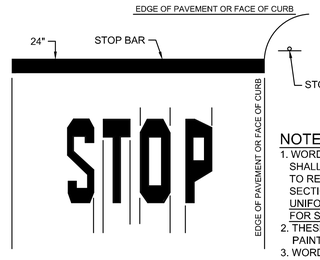
TITLE
EROSION CONTROL DETAILS

SHEET NUMBER
C5-81



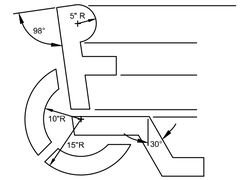
NOTES:
1. SCORING OF WALKS SHOULD OCCUR EVERY 5' OR AS DESIGNATED BY THE SITE PLAN. 1/2 X 4" ASPHALTIC EXPANSION JOINTS SHOULD BE PLACED EVERY 30'.
2. WHERE SIDEWALK MEETS CURB OR BUILDING 1/2 X 6" ASPHALTIC EXPANSION JOINT SHOULD BE USED.

CONCRETE SIDEWALK DETAIL



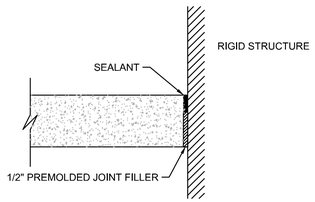
NOTES:
1. WORDS AND ARROWS FOR DRIVEWAYS SHALL BE APPLIED ACCORDING TO REQUIREMENTS AS OUTLINED IN SECTION 3B OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS.
2. THESE WORDS AND BAR ARE TO BE PAINTED REFLECTIVE WHITE.
3. WORDS TYPICALLY ONLY USED FOR INTERNAL PARKING LOTS.

STOP BAR DETAIL



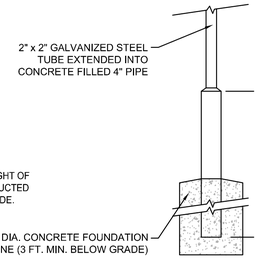
NOTE:
1. STRIPING - 5" WIDE TRAFFIC PAINT (WHITE ON A BLUE BACKGROUND)

HANDICAP PARKING INSIGNIA DETAIL



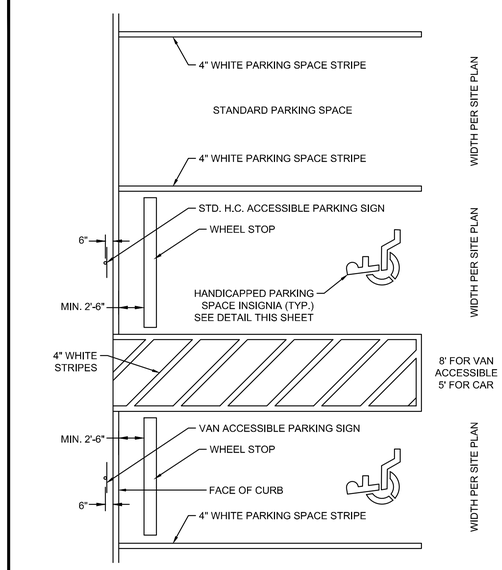
NOTE:
1. PROVIDE ISOLATION JOINT WHERE CONCRETE PAVEMENT ABUTS A RIGID STRUCTURE.

CONCRETE ISOLATION JOINT DETAIL

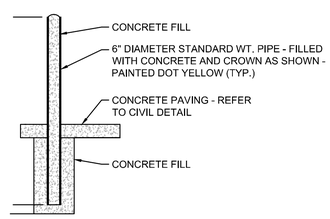


NOTES:
1. ALL ON-SITE SIGN POSTS SHALL BE CONSTRUCTED PER THIS DETAIL.
2. ALL SIGN POSTS SUBJECT TO LOCAL RIGHT OF WAY JURISDICTIONS SHALL BE CONSTRUCTED PER LOCAL CITY, COUNTY OR STATE CODE.

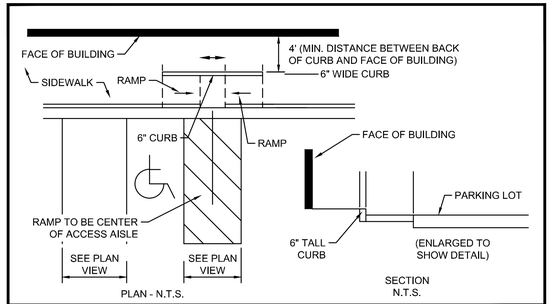
SIGN POST DETAIL



STANDARD ACCESSIBLE HANDICAP PARKING SPACE

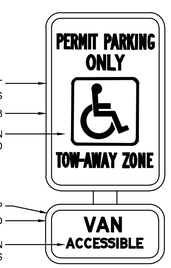


BOLLARD DETAIL

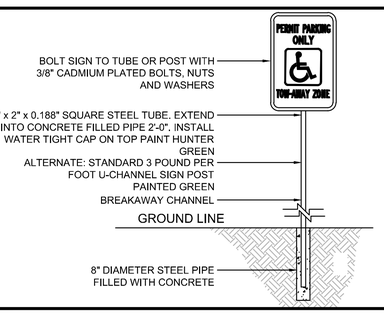


HANDICAP PARKING RAMP PLACEMENT DETAIL
OPTION #2

NOTES:
1. ALL SIGNS TO BE 0.080" THICK ALUMINUM
2. ALL SIGNS SHALL BE CONFORM WITH ALL CURRENT A.D.A. FEDERAL, STATE, AND LOCAL CODES & REGULATIONS
3. PLACE "VAN ACCESSIBLE" SIGN IN FRONT OF VAN ACCESSIBLE SPACES ONLY.



VAN ACCESSIBLE ADA SIGN DETAIL



HANDICAP PARKING SIGN PLACEMENT DETAIL

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PREPARED FOR
DG THE DAVIS GROUP
11520 DAVIS DRIVE, SUITE 300, SUITE 300
ALPHARETTA, GA 30009
PHONE: 678-392-3618

No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

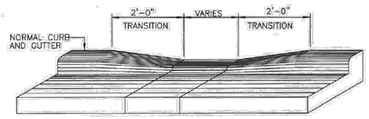
PROJECT
POOLER SELF-STORAGE FACILITY
1000 HALLIDAY DRIVE, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051861 DENNIS SMITH
12/20/2024

GSWCC NO. (LEVEL III)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	12/20/2024
PROJECT NO.	013488004

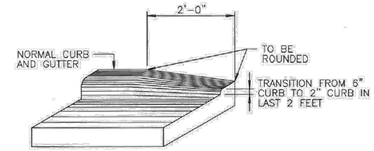
TITLE
CONSTRUCTION DETAILS

SHEET NUMBER
C6-00



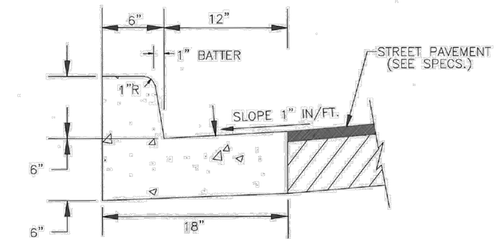
NOTE:
DRIVES ONLY, FOR HANDICAP SEE P-16

CITY OF POOLER 2011 STANDARD DETAIL	DEPRESSED CURB	SCALE: N.T.S. DATE: August 2006	P-01



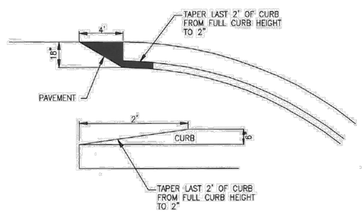
NOTE: THIS OCCURS AT END OF CURB AND GUTTER WHERE CALLED FOR ON PLANS

CITY OF POOLER 2011 STANDARD DETAIL	FEATHERING OF CONCRETE CURB & GUTTER	SCALE: N.T.S. DATE: October 2001	P-02

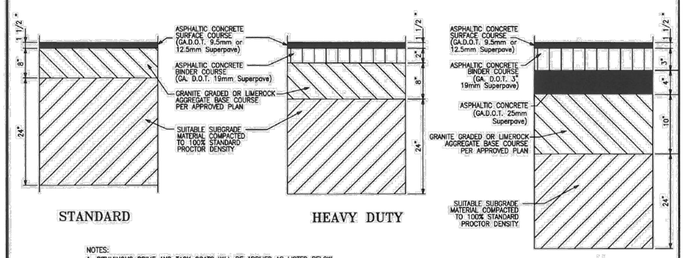


NORMAL GUTTER

CITY OF POOLER 2011 STANDARD DETAIL	18" CURB & GUTTER	SCALE: N.T.S. DATE: January 2004	P-03

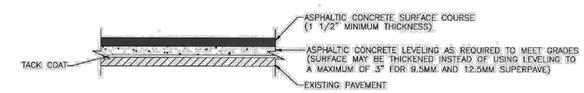


CITY OF POOLER 2011 STANDARD DETAIL	PAVEMENT / CURB TERMINATION DETAIL	SCALE: N.T.S. DATE: January 2004	P-06

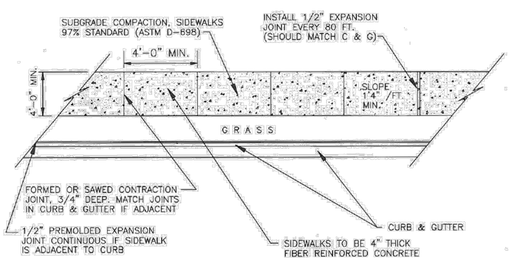


NOTES:
1. BITUMINOUS PRIME AND TACK COATS WILL BE APPLIED AS LISTED BELOW:
   A. PRIME COAT SHALL BE APPLIED AT A RATE OF 0.20 GALLON PER SQUARE YARD TO THE SURFACE OF ALL GRANITE BASE COURSES.
   B. TACK COAT SHALL BE APPLIED AT A RATE OF 0.10 GALLONS PER SQUARE YARD TO THE SURFACE OF THE BINDER COURSE BEFORE PLACEMENT OF SUBSEQUENT COURSE.
2. REFER TO PAVING PLAN FOR LOCATION OF STANDARD AND HEAVY DUTY PAVEMENTS.

CITY OF POOLER 2011 STANDARD DETAIL	TYPICAL PAVEMENT SECTIONS	SCALE: N.T.S. DATE: June 2012	P-10

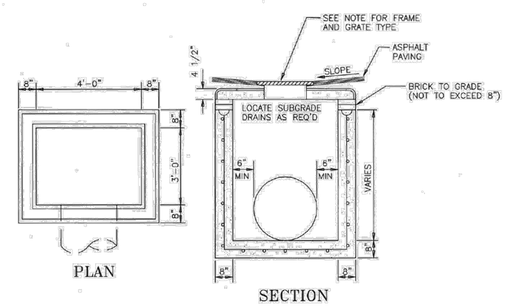


CITY OF POOLER 2011 STANDARD DETAIL	OVERLAY PAVEMENT SECTION	SCALE: N.T.S. DATE: January 2004	P-11



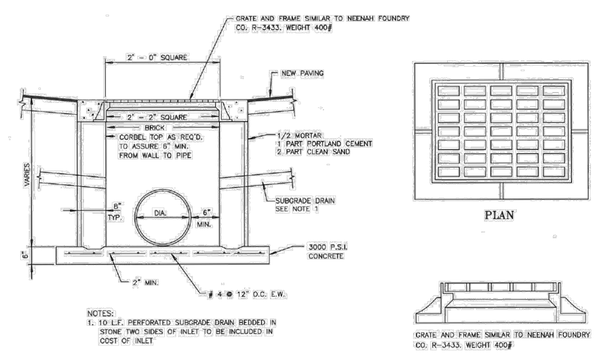
NOTE:
CONTRACTION JOINTS SPACING TO BE THE SAME AS WIDTH OF WALK.

CITY OF POOLER 2011 STANDARD DETAIL	SIDEWALK AND WALKWAY DETAILS	SCALE: N.T.S. DATE: January 2004	P-15



1. GRATE INLET SHALL BE NEENAH FOUNDRY R-4721 HEAVY DUTY GRATE W/ R-4899 ANGLE FRAME, OR APPROVED EQUAL.
2. REINFORCING SHALL BE #4 BARS @ 8" O.C. EACH WAY.
3. PIPE OPENINGS SHALL BE PROVIDED BY THE MANUFACTURER AS REQUIRED.
4. ALL PIPE CONNECTIONS SHALL BE GROUTED WITH NON-SHRINKING CEMENT.
5. KNOCKOUT BOXES WILL NOT BE ACCEPTED.

CITY OF POOLER 2011 STANDARD DETAIL	PRECAST GRATE INLET DETAIL	SCALE: N.T.S. DATE: August 2006	P-21



NOTES:
1. 10 L.F. PERFORATED SUBGRADE DRAIN BEDDED IN STONE TWO SIDES OF INLET TO BE INCLUDED IN COST OF INLET

GRATE INLET

CITY OF POOLER 2011 STANDARD DETAIL	GRATE INLET W/ FRAME	SCALE: N.T.S. DATE: August 2006	P-20

PREPARED BY
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DG THE DAVIS GROUP
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ALPHARETTA, GA 30009
PHONE: 678-392-3618

No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

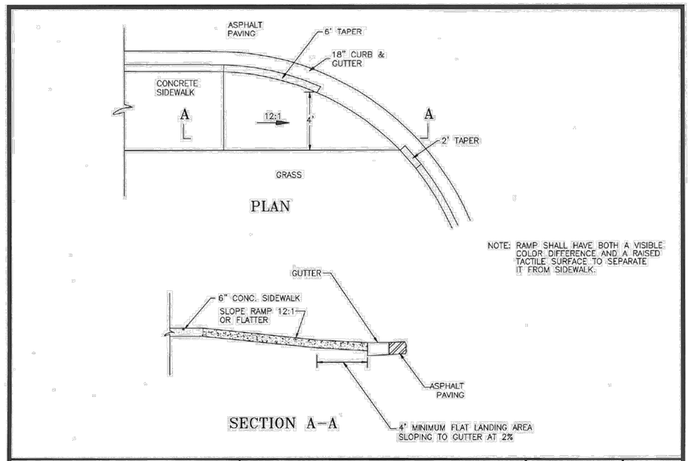
PROJECT
POOLER SELF-STORAGE FACILITY
1000 HALLIDAY DRIVE POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051861 DENNIS SMITH
12/20/2024

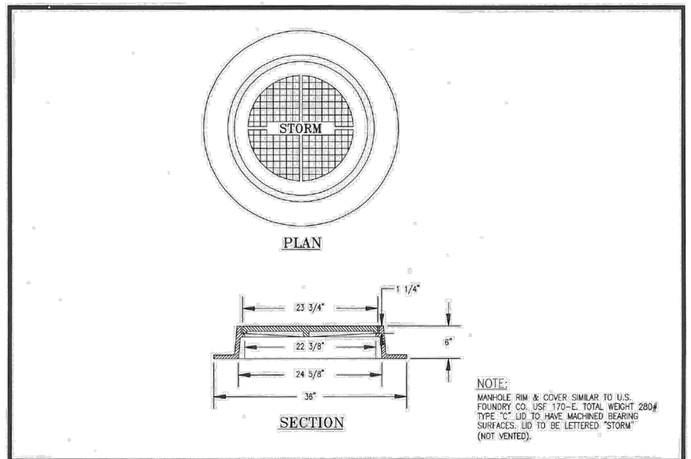
GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	12/20/2024
PROJECT NO.	013488004

TITLE
PAVING & DRAINAGE DETAILS

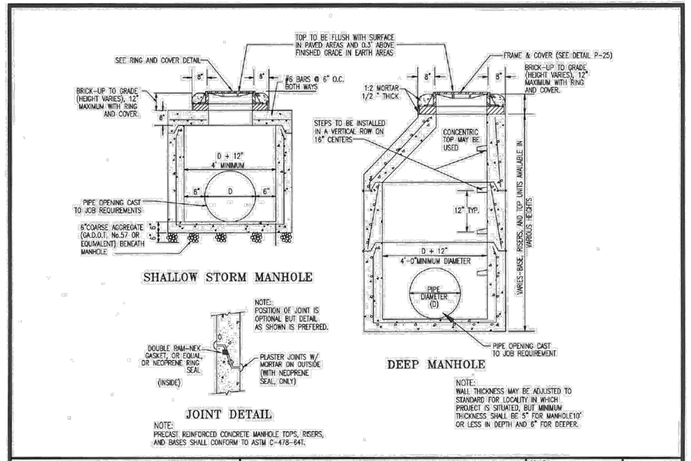
SHEET NUMBER
C6-40



CITY OF POOLER 2011 STANDARD DETAIL	HANDICAP RAMP DETAILS	SCALE: N.T.S. DATE: January 2011	P-17

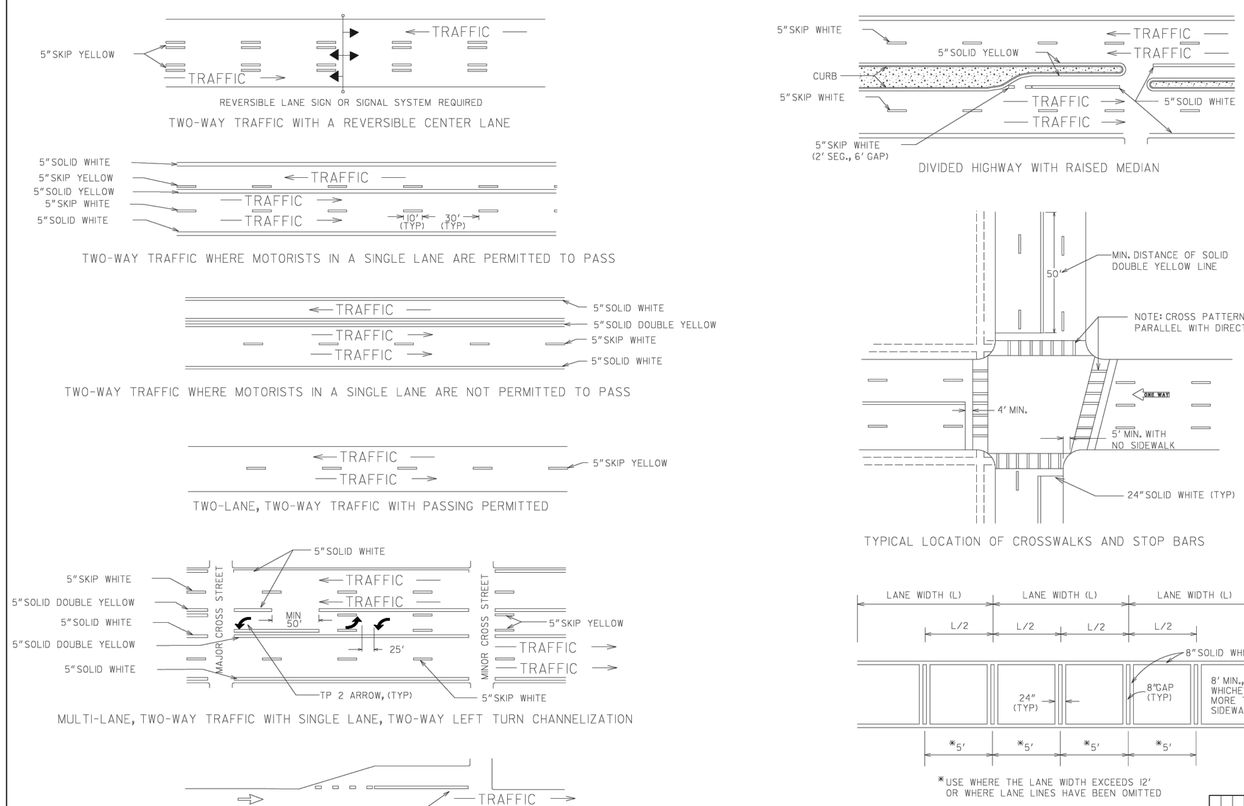


CITY OF POOLER 2011 STANDARD DETAIL	STORM MANHOLE RING & COVER	SCALE: N.T.S. DATE: August 2006	P-25



CITY OF POOLER 2011 STANDARD DETAIL	STANDARD PRECAST CONCRETE STORM MANHOLE	SCALE: N.T.S. DATE: August 2006	P-23

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			



GENERAL NOTES:

1. SPACING BETWEEEN DOUBLE LINES SHALL BE EQUAL TO THE LINE WIDTH.
2. EDGE LINES SHALL BE PLACED A MINIMUM OF 4 INCHES FROM THE NORMAL EDGE OF PAVEMENT.
3. CONTRAST MARKINGS FOR SKIP STRIPING SHALL BE AS SHOWN IN DETAIL T-IIB.

DATE	REVISION	BY
9-5-96	ADDED GENERAL NOTE 3	CDR

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

CONSTRUCTION DETAILS

PAVEMENT MARKING PLACEMENT
NON-LIMITED ACCESS ROADWAY

NO SCALE — JANUARY 2000

DESIGNED ____
DRAWN ____
TRACED ____
CHECKED ____

NUMBER T-IIA

PREPARED BY: Kimley»Horn

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11520 DAVIS DRIVE, SUITE 300, SUITE 300
ALPHARETTA, GA 30009
PHONE: 678-392-3618

No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

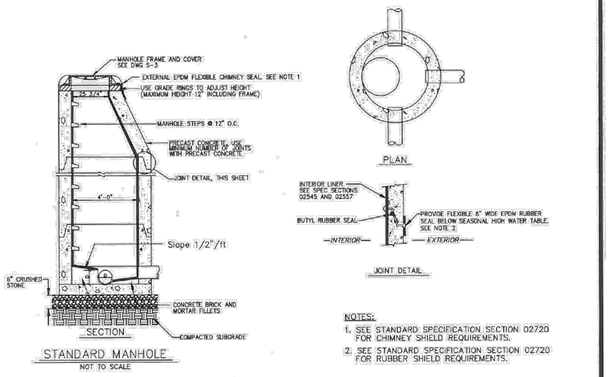
PROJECT: POOLER SELF-STORAGE FACILITY
1000 HALLIDAY DRIVE, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051861 DENNIS STAVAD
12/20/2024

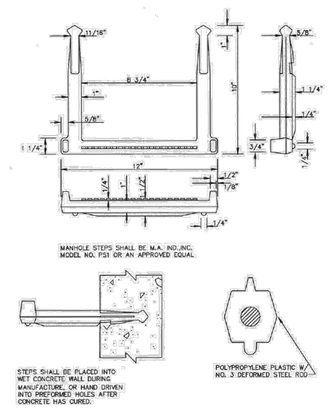
GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	12/20/2024
PROJECT NO.	013488004

TITLE: PAVING & DRAINAGE DETAILS

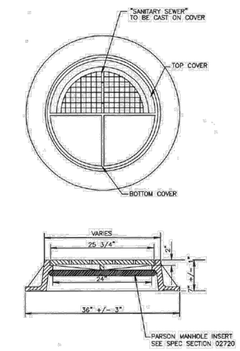
SHEET NUMBER: C6-41



CITY OF POOLER 2011 STANDARD DETAIL	STANDARD MANHOLE	SCALE: N.T.S. / DATE: August 2006	S-01



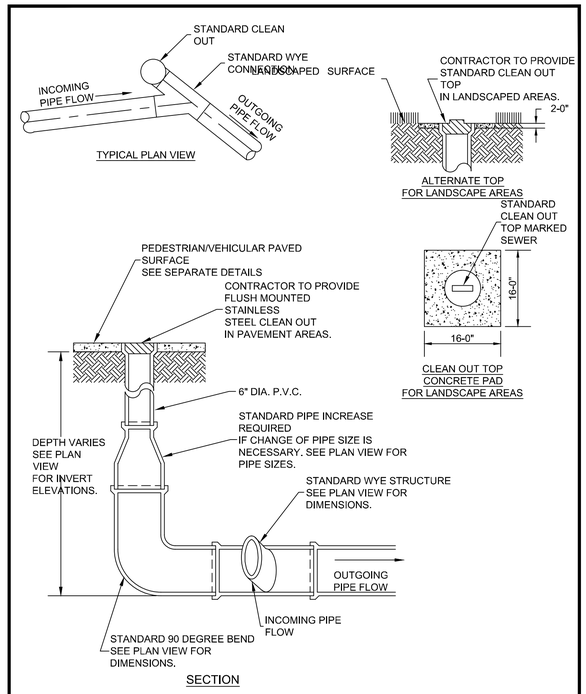
CITY OF POOLER 2011 STANDARD DETAIL	MANHOLE STEP DETAIL	SCALE: N.T.S. / DATE: October 2001	S-02



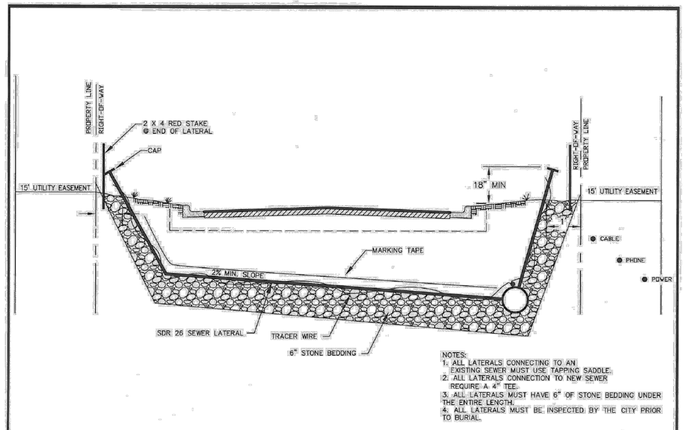
NOTES:

1. CASTINGS SHALL BE OF UNIFORM QUALITY, FREE FROM BLOWHOLES, POROSITY, HARD SPOTS, SHRINKAGE, DISTORTION OR OTHER DEFECTS. THEY SHALL BE SMOOTH AND WELL CLEANED BY SHOTBLASTING OR BY SOME OTHER APPROVED METHOD. CASTING SHALL NOT BE PAINTED.
2. MATERIALS USED IN THE MANUFACTURE OF CASTINGS SHOULD CONFORM TO AASHO M105/ASTM A48, CLASS 35B OF ASTM A48, CLASS 30, FOR GRAY IRON.
3. ALL CASTINGS SHALL BE MANUFACTURED TRUE TO PATTERN; COMPONENT PARTS SHALL FIT TOGETHER IN A SATISFACTORY MANNER. ROUND FRAMES AND COVERS SHALL BE OF NON-ROCKING DESIGN, OR SHALL HAVE MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING UNDER TRAFFIC. FRAME SHALL BE SUITABLE FOR CAST IRON OR STEEL RISER RING FOR UPWARD ADJUSTMENT OF COVER. CLEAR OPENING SHALL BE 24".
4. MANHOLE COVER SHALL BE 25-3/4" IN DIAMETER AND SHALL BE 2-INCHES THICK AT THE BEARING SURFACE.
5. CASTINGS SHALL BE PROVIDED WITH THE INSCRIPTION "SANITARY SEWER" CAST INTO THE COVER IN LETTERING AT LEAST 2-INCHES HIGH. MANUFACTURER'S NAME, IF IT APPEARS ON THE COVER, SHALL BE CONFINED TO THE PERIPHERY.
6. MANHOLE COVERS AND FRAMES SHALL BE USF 227, TYPE "AS" OR EQUAL.

CITY OF POOLER 2011 STANDARD DETAIL	MANHOLE COVER & FRAME DETAIL	SCALE: N.T.S. / DATE: August 2006	S-03

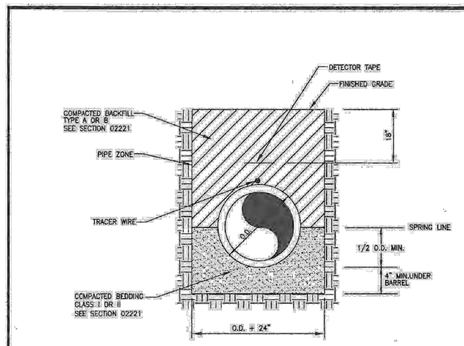


STANDARD CLEAN OUT DETAIL
NOT TO SCALE



NOTES:
1. ALL LATERALS CONNECTING TO AN EXISTING SEWER MUST USE TAPPING SADDLE.
2. ALL LATERALS CONNECTION TO NEW SEWER REQUIRE A 4" TEE.
3. ALL LATERALS MUST HAVE 6" OF STONE BEDDING UNDER THE ENTIRE LENGTH.
4. ALL LATERALS MUST BE INSPECTED BY THE CITY PRIOR TO BURIAL.

CITY OF POOLER 2011 STANDARD DETAIL	PRIVATE SEWER LATERAL DETAIL	SCALE: N.T.S. / DATE: June 2012	S-23



NOTES:
1. SEE STANDARD DRAWING P-13 FOR PAVEMENT RESTORATION.
2. TYPE A BACKFILLING SHALL BE USED UNDER ALL PAVED AREAS. TYPE B BACKFILL SHALL BE USED IN ALL OTHER AREAS.
3. APPLIES TO ALL GRAVITY, FORCEMAIN, AND RECLAIMED WATER MAINS.
4. APPLIES TO DIP, PVC, & HDPE PIPE MATERIALS.

CITY OF POOLER 2011 STANDARD DETAIL	PIPE BEDDING DETAIL	SCALE: N.T.S. / DATE: June 2012	S-12

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No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

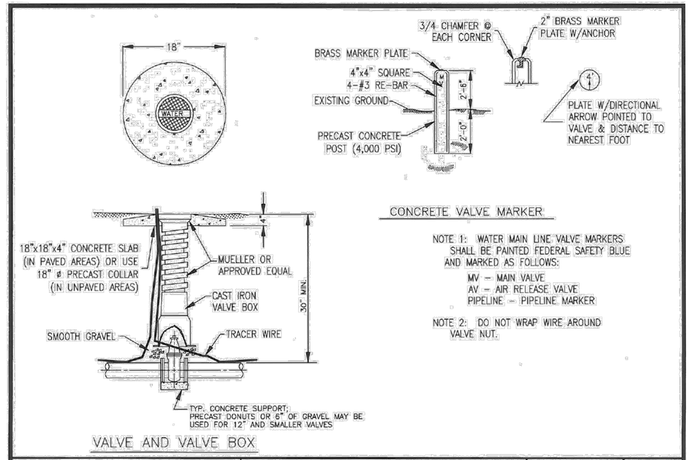
PROJECT
POOLER SELF-STORAGE FACILITY
1000 HALLIDAY DRIVE, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051861 DENNIS
12/20/2024

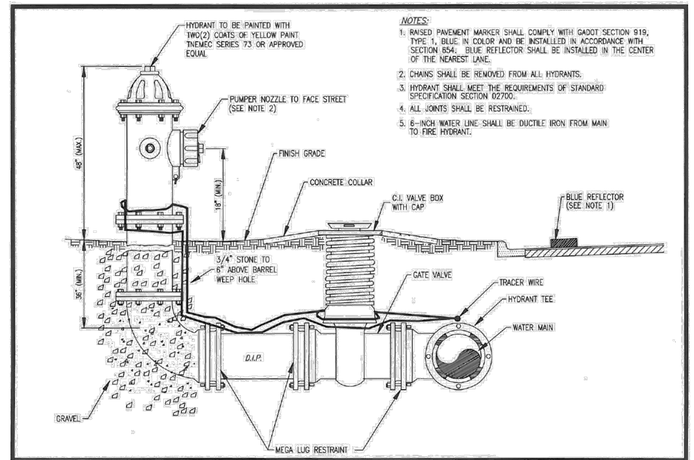
GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	12/20/2024
PROJECT NO.	013488004

TITLE
SANITARY SEWER DETAILS

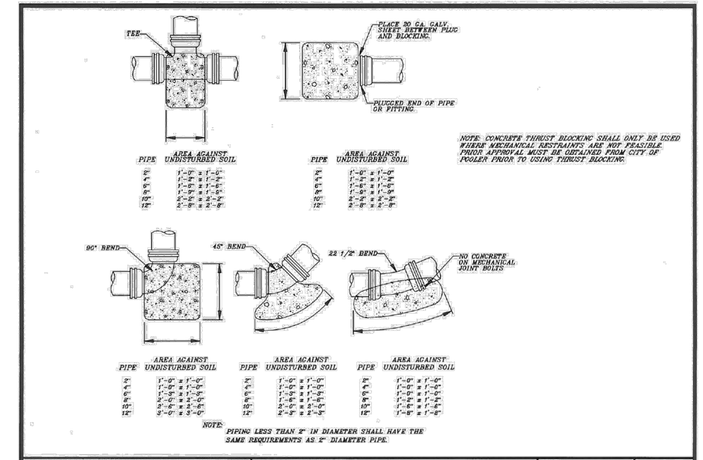
SHEET NUMBER
C6-50



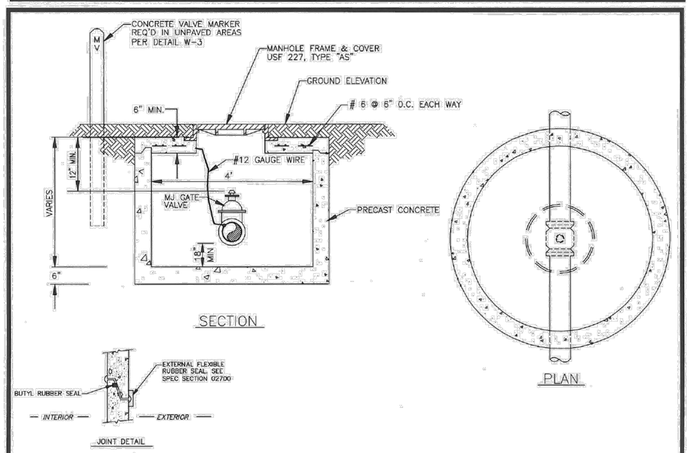
CITY OF POOLER 2011 STANDARD DETAIL	VALVE DETAIL	SCALE: N.T.S. DATE: August 2006	W-03



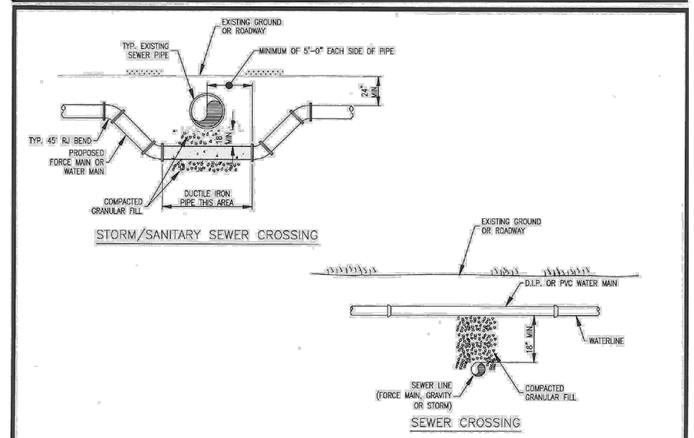
CITY OF POOLER 2011 STANDARD DETAIL	FIRE HYDRANT DETAIL	SCALE: N.T.S. DATE: August 2006	W-04



CITY OF POOLER 2011 STANDARD DETAIL	CONCRETE THRUST BLOCKING	SCALE: N.T.S. DATE: October 2001	W-07



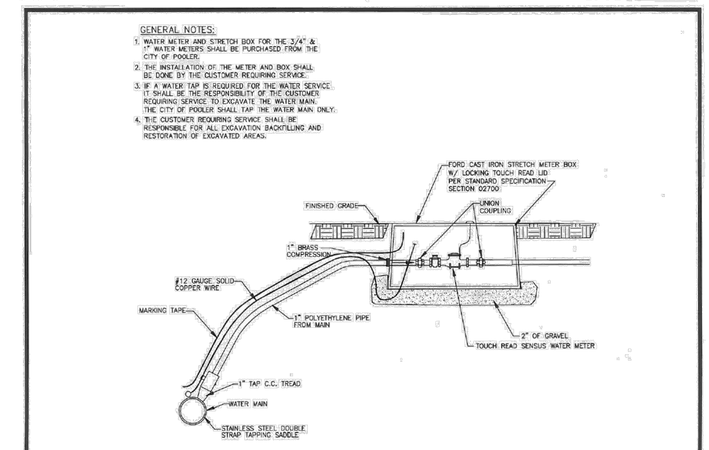
CITY OF POOLER 2011 STANDARD DETAIL	VALVE MANHOLE FOR 4" TO 8" GATE VALVES	SCALE: N.T.S. DATE: August 2006	W-13



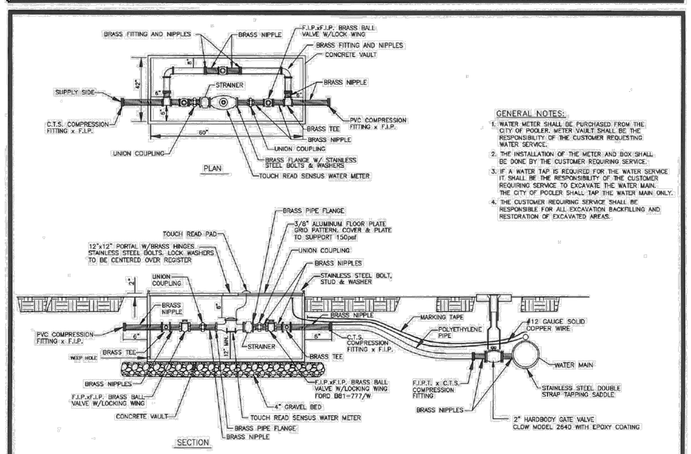
CITY OF POOLER 2011 STANDARD DETAIL	PIPELINE CROSSING DETAIL	SCALE: N.T.S. DATE: August 2006	W-16

GENERAL NOTES:

1. WATER METER AND STRETCH BOX FOR THE 3/4" & 1" WATER METERS SHALL BE PURCHASED FROM THE CITY OF POOLER.
2. THE INSTALLATION OF THE METER AND BOX SHALL BE DONE BY THE CUSTOMER REQUIRING SERVICE.
3. IF A WATER TAP IS REQUIRED FOR THE WATER SERVICE IT SHALL BE THE RESPONSIBILITY OF THE CUSTOMER REQUIRING SERVICE TO EXCAVATE THE WATER MAIN. THE CITY OF POOLER SHALL TAP THE WATER MAIN ONLY.
4. THE CUSTOMER REQUIRING SERVICE SHALL BE RESPONSIBLE FOR ALL EXCAVATION BACKFILLING AND RESTORATION OF EXCAVATED AREAS.



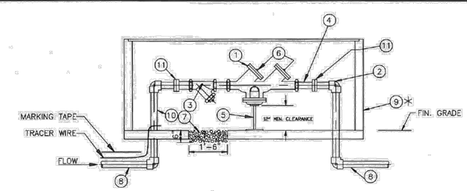
CITY OF POOLER 2011 STANDARD DETAIL	WATER METER INSTALLATION 1" SERVICE PIPE, 3/4" WATER METER & 1" WATER METER DOMESTIC, IRRIGATION & COMMERICAL USE ONLY	SCALE: N.T.S. DATE: August 2006	W-21



GENERAL NOTES:

1. WATER METER SHALL BE PURCHASED FROM THE CITY OF POOLER. METER VAULT SHALL BE THE RESPONSIBILITY OF THE CUSTOMER REQUESTING WATER SERVICE.
2. THE INSTALLATION OF THE METER AND BOX SHALL BE DONE BY THE CUSTOMER REQUIRING SERVICE.
3. IF A WATER TAP IS REQUIRED FOR THE WATER SERVICE IT SHALL BE THE RESPONSIBILITY OF THE CUSTOMER REQUIRING SERVICE TO EXCAVATE THE WATER MAIN. THE CITY OF POOLER SHALL TAP THE WATER MAIN ONLY.
4. THE CUSTOMER REQUIRING SERVICE SHALL BE RESPONSIBLE FOR ALL EXCAVATION BACKFILLING AND RESTORATION OF EXCAVATED AREAS.

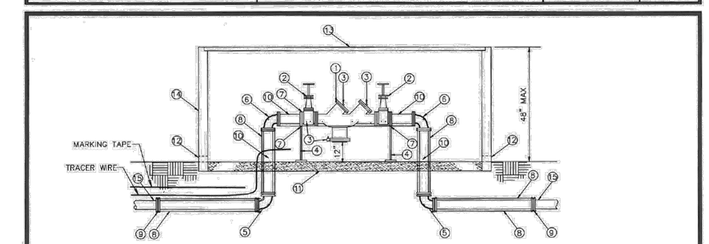
CITY OF POOLER 2011 STANDARD DETAIL	WATER METER INSTALLATION 2" SERVICE PIPE & 1-1/2" & 2" WATER METERS DOMESTIC	SCALE: N.T.S. DATE: August 2006	W-23



ITEM	QUAN.	DESCRIPTION
1	1	REDUCED PRESSURE ZONE DEVICE/DOUBLE CHECK VALVE
2	4	BRASS 90° (DOMESTIC MADE)
3	1	STRAINER W/ RPZ DEVICE/DOUBLE CHECK VALVE
4	4	BRASS NIPPLE (DOMESTIC MADE)
5	1	PIPE SUPPORT
6	2	BRASS PLUGS INSERTED IN TEST COCKS
7		6" GRAVEL & DRAIN
8		POLYTHYLENE PIPE WITH COMPRESSION FITTINGS
9	*	CITY APPROVED ENCLOSURE WITH HATCH COVER FOR BFP
10	2	CUT BRASS (DOMESTIC MADE)
11	2	UNION

* REQUIRED BY THE CITY FOR FREEZE PROTECTION

CITY OF POOLER 2011 STANDARD DETAIL	BACKFLOW PREVENTER DETAIL 3/4", 1", 1-1/2", 2"	SCALE: N.T.S. DATE: January 2011	W-28



ITEM	QUAN	DESCRIPTION
1	1	REDUCED PRESSURE ZONE DEVICE/DDCV, DCV
2	2	O.S. & Y RESILENT GATE VALVES
3	4	TEST COCKS
4	2	2" GALV. PIPE STAND & BASE BOLTED TO FLANGE
5	2	MJ 90° BENDS
6	4	FLANGED 90° BENDS
7	2	COMPANION FLANGES
8	8	3/4" DIA. GALV. OR CADMIUM ALL THREAD ROD
9	16	CARBON STEEL EYE BOLTS
10		DUCTILE IRON PIPE, CUT TO FIT
11		4" PEA GRAVEL IN BOTTOM OF PIT OR CONCRETE SLAB WITH DRAIN SUMP
12	2	DRAIN PORTS
13		3/8 ALUMINUM FLOOR PLATE
14		BOX-MASONRY BLOCK, POURED CONCRETE OR PREFABRICATED BOX APPROVED BY CITY
15		DUCTILE IRON PIPE

1. FOR FINAL APPROVAL, ASSEMBLY MUST BE CENTERED IN ENCLOSURE (IF APPLICABLE). UNDER NO CONDITIONS WILL ANY CONNECTIONS BE ALLOWED BETWEEN THE SERVICE METER AND A BACKFLOW PREVENTER USED FOR THE SYSTEM CONTAINMENT. BACKFLOW PREVENTER SHALL ALWAYS BE INSTALLED DOWNSTREAM OF METER.
2. IF A PRESSURE MONITOR IS TO BE INSTALLED, ADD A TEE, VALVE, FITTINGS, AND MOUNT ON SUPPLY SIDE PRIOR TO BACKFLOW PREVENTER. UNDER NO CIRCUMSTANCE SHALL TEST PORTS BE MODIFIED OR UTILIZED FOR THIS OR OTHER APPLICATIONS, OTHER THAN BACKFLOW DEVICE TESTING.

CITY OF POOLER 2011 STANDARD DETAIL	REDUCED PRESSURE ZONE DEVICE/DOUBLE CHECK VALVE – TYPICAL OUTSIDE INSTALLATION DETAIL (3", 4", 6", 8" & 10" SIZES)	SCALE: N.T.S. DATE: August 2006	W-29

PREPARED BY
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ALPHARETTA, GA 30009
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No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

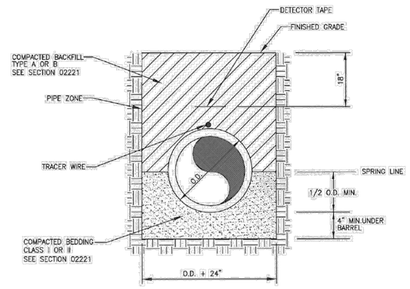
PROJECT
POOLER SELF-STORAGE FACILITY
1000 HALLIDAY DRIVE, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051861 DENNIS SMITH
12/20/2024

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	12/20/2024
PROJECT NO.	013488004

TITLE
WATER CONSTRUCTION DETAILS

SHEET NUMBER
C6-60

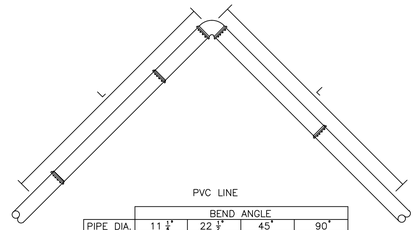


TYPICAL BEDDING FOR PIPE

NOTES:

1. SEE STANDARD DRAWING P-13 FOR PAVEMENT RESTORATION.
2. TYPE A BACKFILLING SHALL BE USED UNDER ALL PAVED AREAS. TYPE B BACKFILL SHALL BE USED IN ALL OTHER AREAS.
3. APPLIES TO DIP, PVC, & HDPE PIPE MATERIALS.
4. ASTM D2321, CLASS 1 IS MANUFACTURED AGGREGATE AND CLASS IS CLEAN SAND.

CITY OF POOLER 2011 STANDARD DETAIL	PIPE BEDDING DETAIL	SCALE: N.T.S. DATE: June 2012	W-39



PVC LINE

	BEND ANGLE			
PIPE DIA.	11 1/4°	22 1/2°	45°	90°
4	2	4	8	18
6	3	5	11	25
8	4	7	14	33
10	4	8	16	39
12	5	9	19	45
16	5	9	19	45
20	6	11	23	54
24	8	16	26	62

PVC DESIGN:
SOIL TYPE: SM
TRENCH TYPE: 3
COVER: 3' ≤12" DIA.
4' >12" DIA.
TEST PRESSURE: 150 PSI

POLYETHYLENE WRAPPED DUCTILE IRON LINE

	BEND ANGLE			
PIPE DIA.	11 1/4°	22 1/2°	45°	90°
4	3	5	9	20
6	3	6	12	28
8	4	8	16	36
10	5	9	19	43
12	6	11	22	51
16	7	14	28	65
20	8	16	33	79
24	9	19	38	92

PE WRAPPED DIP:
SOIL TYPE: SM
TRENCH TYPE: 3
COVER: 3'
TEST PRESSURE: 150 PSI

MINIMUM RESTRAINED LENGTH (L)

NOTES:

1. LENGTH OF RESTRAINT SHOWN IS IN FEET. PIPE DIAMETERS ARE IN INCHES.
2. WHERE LINES CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.
3. INFORMATION IN THE TABLES ABOVE ARE BASED ON THE DESIGN INFORMATION SHOWN. THE ENGINEER SHALL PROVIDE AMENDED RESTRAINT LENGTHS IF SITE CONDITIONS DIFFER

HORIZONTAL BEND RESTRAINT

POLYETHYLENE WRAPPED DUCTILE IRON LINE

PIPE DIA.	L
4	58
6	82
8	107
10	128
12	151
16	193
20	234
24	273

PVC LINE

PIPE DIA.	L
4	39
6	55
8	72
10	87
12	102
16	131
20	159
24	185

MINIMUM RESTRAINED LENGTH (L)

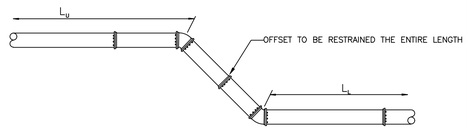
PE WRAPPED DIP:
SOIL TYPE: SM
TRENCH TYPE: 3
COVER: 3'
TEST PRESSURE: 150 PSI

PVC DESIGN:
SOIL TYPE: SM
TRENCH TYPE: 3
COVER: 3' ≤12" DIA.
4' >12" DIA.
TEST PRESSURE: 150 PSI

NOTES:

1. LENGTH OF RESTRAINT SHOWN IS IN FEET. FITTING DIAMETERS ARE IN INCHES.
2. WHERE LINES CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.
3. FOR LINE STUBS (SEE DETAIL W3A), THE LENGTH OF RESTRAINT (L) SHALL BE FROM THE VALVE AND NOT THE CAP.
4. INFORMATION IN THE TABLES ABOVE ARE BASED ON THE DESIGN INFORMATION SHOWN. THE ENGINEER SHALL PROVIDE AMENDED RESTRAINT LENGTHS IF SITE CONDITIONS DIFFER.

DEAD END RESTRAINT (PVC PIPE)



PVC LINE

	BEND ANGLE					
PIPE DIA.	11 1/4°		22 1/2°		45°	
	L_U	L_L	L_U	L_L	L_U	L_L
4	4	1	8	2	17	3
6	6	1	11	2	23	4
8	8	2	15	3	30	6
10	9	2	18	4	36	7
12	11	2	21	4	43	8
16	10	3	21	5	42	10
20	13	3	25	6	51	12
24	15	4	29	7	60	15

PVC DESIGN:
SOIL TYPE: SM
TRENCH TYPE: 3
COVER: 3' ≤12" DIA.
4' >12" DIA.
TEST PRESSURE: 150 PSI

POLYETHELYNE WRAPPED DUCTILE IRON LINE

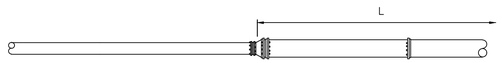
	BEND ANGLE					
PIPE DIA.	11 1/4°		22 1/2°		45°	
	L_U	L_L	L_U	L_L	L_U	L_L
4	6	1	12	2	24	4
6	9	2	17	3	34	5
8	11	2	22	3	45	7
10	13	2	26	4	53	8
12	15	3	30	5	63	9
16	19	3	39	6	80	12
20	23	4	47	7	97	15
24	27	4	55	8	113	17

PE WRAPPED DIP:
SOIL TYPE: SM
TRENCH TYPE: 3
COVER: 3'
TEST PRESSURE: 150 PSI

NOTES:

1. LENGTH OF RESTRAINT SHOWN IS IN FEET. PIPE DIA. IS IN INCHES
2. WHERE LINES CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.
3. INFORMATION IN THE TABLES ABOVE ARE BASED ON THE DESIGN INFORMATION SHOWN. THE ENGINEER SHALL PROVIDE AMENDED RESTRAINT LENGTHS IF SITE CONDITIONS DIFFER

VERTICAL BEND RESTRAINT



PVC LINE

REDUCER	L
6X4	29
8X4	52
8X6	31
10X4	71
10X6	53
10X8	29
12X4	89
12X6	74
12X8	54
12X10	30
16X6	111
16X8	96
16X10	78
16X12	56
20X10	117
20X12	100
20X16	56
24X12	137
24X16	101
24X20	56

PVC DESIGN:
SOIL TYPE: SM
TRENCH TYPE: 3
COVER: 3' ≤12" DIA.
4' >12" DIA.
TEST PRESSURE: 150 PSI

POLYETHELYNE WRAPPED DUCTILE IRON LINE

REDUCER	L
6X4	43
8X4	77
8X6	45
10X4	104
10X6	79
10X8	43
12X4	131
12X6	110
12X8	80
12X10	45
16X6	163
16X8	141
16X10	115
16X12	82
20X10	172
20X12	147
20X16	82
24X12	201
24X16	149
24X20	82

PE WRAPPED DIP:
SOIL TYPE: SM
TRENCH TYPE: 3
COVER: 3'
TEST PRESSURE: 150 PSI

U = MINIMUM UNINTERUPTED STRAIGHT RUN OF PIPE ON SMALL SIDE OF REDUCER.
L = MINIMUM RESTRAINED LENGTH.
* WHERE MINIMUM "U" IS NOT MET, PIPE ON LARGE SIDE OF REDUCER SHALL BE RESTRAINED FOR A MINIMUM OF "L" FEET.

NOTES:

1. LENGTH OF RESTRAINT SHOWN IS IN FEET. FITTING DIAMETERS ARE IN INCHES.
2. WHERE LINES CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.
3. INFORMATION IN THE TABLES ABOVE ARE BASED ON THE DESIGN INFORMATION SHOWN. THE ENGINEER SHALL PROVIDE AMENDED RESTRAINT LENGTHS IF SITE CONDITIONS DIFFER.

REDUCER RESTRAINT

PREPARED BY
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PREPARED FOR
DG THE DAVIS GROUP
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ALPHARETTA, GA 30009
PHONE: 678-392-3618

No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

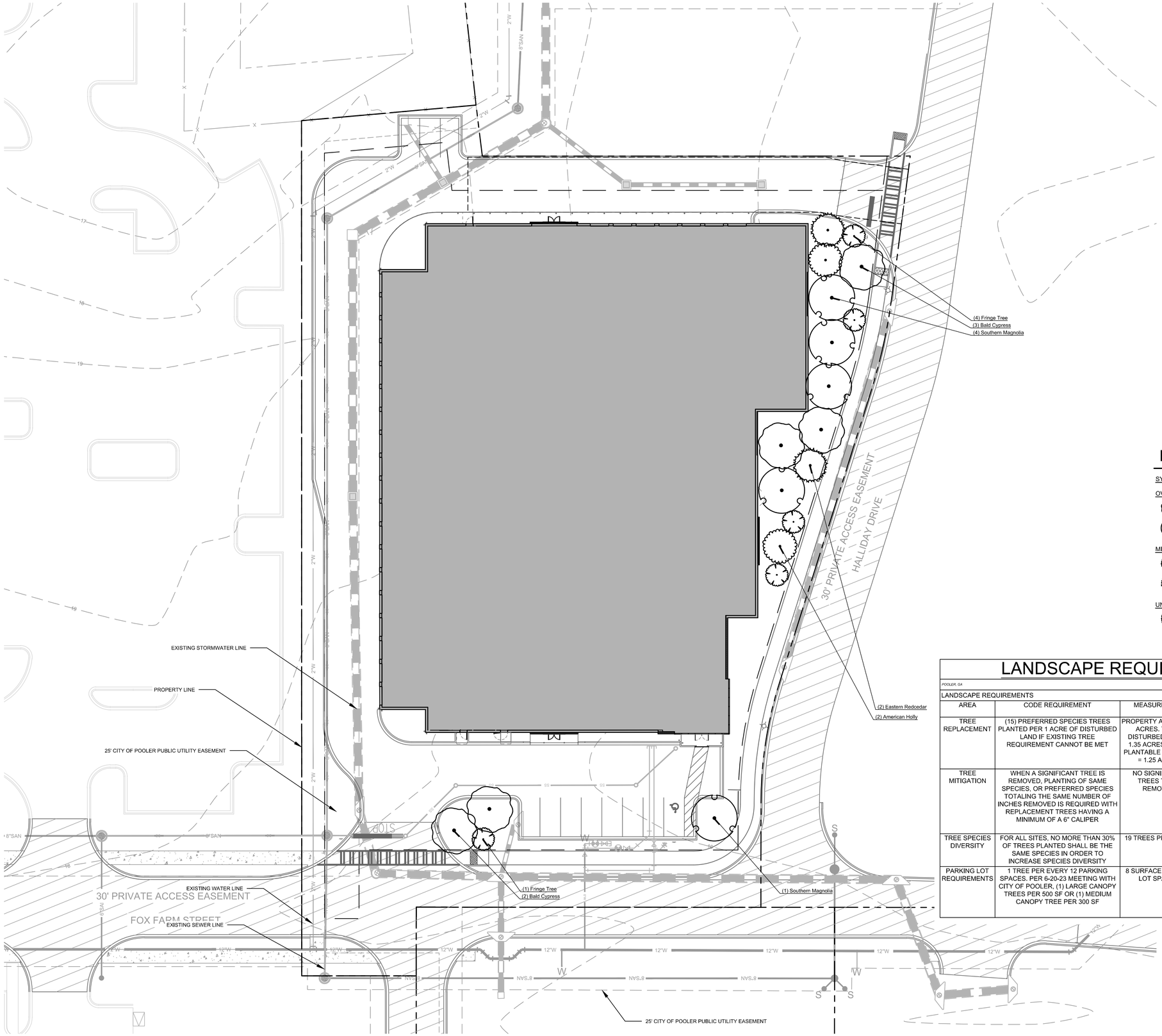
PROJECT
POOLER SELF-STORAGE FACILITY
1000 HALLIDAY DRIVE, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE051861 DENNIS
12/20/2024

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	LL
DESIGNED BY	MRF
REVIEWED BY	DS
DATE	12/20/2024
PROJECT NO.	013488004

TITLE
WATER CONSTRUCTION DETAILS

SHEET NUMBER
C6-61



LANDSCAPE REQUIREMENTS

PER CITY OF POOLER CODE:

1. FIFTEEN (15) TREES OF PREFERRED SPECIES TO BE PLANTED PER 1 ACRE OF DISTURBED LAND IF EXISTING TREE REQUIREMENT CANNOT BE MET

   DISTURBED LAND: 1.35 AC
   NON-PLANTABLE ACREAGE: 0.1
   PLANTABLE DEVELOPABLE ACREAGE: 1.35-0.1 = 1.25 AC

   REQUIRED TREES: 15 X 1.25 = 18.75 TREES OF PREFERRED SPECIES
   PROVIDED TREES: 19 TREES OF PREFERRED SPECIES
   REQUIREMENT MET

2. FOR ALL SITES, NO MORE THAN 30% OF TREES PLANTED SHALL BE THE SAME SPECIES IN ORDER TO INCREASE SPECIES DIVERSITY.
   REQUIREMENT MET

3. ONE (1) LARGE OR MEDIUM TREES IS REQUIRED FOR EVERY TWELVE (12) PARKING SPACES

   12 PARKING SPACES / 12 = 1 TREE REQUIRED
   REQUIREMENT MET

4. PER 6-20-23 MEETING WITH CITY OF POOLER, (1) LARGE CANOPY TREES PER 500 SF OR (1) MEDIUM CANOPY TREE PER 300 SF

5. TREES SHALL NOT BE PLANTED WITHIN 10 FEET OF ANY UNDERGROUND UTILITY OR STORM DRAIN.

PLANT SCHEDULE

SYMBOL	QTY	COMMON NAME	BOTANICAL NAME	CAL.	HT.	CONT.	SITE
OVERSTORY TREES							
	5	BALD CYPRESS	TAXODIUM DISTICHUM	2" CAL.	12' - 14' HT.	B&B	26.31%
	5	SOUTHERN MAGNOLIA	MAGNOLIA GRANDIFLORA	2" CAL.	12' - 14' HT.	B&B	26.31%
MIDSTORY TREES							
	2	AMERICAN HOLLY	ILEX OPACA	2" CAL.	10' - 12' HT.	B&B	10.52%
	2	EASTERN REDCEDAR	JUNIPERUS VIRGINIANA	2" CAL.	12' - 14' HT.	B&B	10.52%
UNDERSTORY TREES							
	5	FRINGE TREE	CHIONANTHUS PUBESCENS	2" CAL.	10' - 12' HT.	B&B	26.31%

LANDSCAPE REQUIREMENTS & CALCULATIONS

POOLER, GA

LANDSCAPE REQUIREMENTS

AREA	CODE REQUIREMENT	MEASUREMENT	TOTAL QUANTITY REQUIRED	TOTAL QUANTITY PROVIDED	NOTES	SECTION
TREE REPLACEMENT	(15) PREFERRED SPECIES TREES PLANTED PER 1 ACRE OF DISTURBED LAND IF EXISTING TREE REQUIREMENT CANNOT BE MET	PROPERTY AREA = 1.80 ACRES. TOTAL DISTURBED AREA = 1.35 ACRES. TOTAL PLANTABLE ACREAGE = 1.25 ACRES	1.25 ACRES X 15 = 18.75 TREES. LESS THAN 30% OF UNDERSTORY SPECIES REQUIRED.	19 TREES OF PREFERRED SPECIES PROPOSED. 26% UNDERSTORY SPECIES PROPOSED.	REQUIREMENT SATISFIED	SECTION 42-199
TREE MITIGATION	WHEN A SIGNIFICANT TREE IS REMOVED, PLANTING OF SAME SPECIES, OR PREFERRED SPECIES TOTALING THE SAME NUMBER OF INCHES REMOVED IS REQUIRED WITH REPLACEMENT TREES HAVING A MINIMUM OF A 6" CALIPER	NO SIGNIFICANT TREES TO BE REMOVED	N/A	N/A	REQUIREMENT SATISFIED	SECTION 42-198
TREE SPECIES DIVERSITY	FOR ALL SITES, NO MORE THAN 30% OF TREES PLANTED SHALL BE THE SAME SPECIES IN ORDER TO INCREASE SPECIES DIVERSITY	19 TREES PROPOSED	19 X .3 = 5.7 TREES PER SPECIES MAXIMUM (4 SPECIES MINIMUM)	5 SPECIES PROVIDED	REQUIREMENT SATISFIED	SECTION 42-199
PARKING LOT REQUIREMENTS	1 TREE PER EVERY 12 PARKING SPACES. PER 6-20-23 MEETING WITH CITY OF POOLER, (1) LARGE CANOPY TREES PER 500 SF OR (1) MEDIUM CANOPY TREE PER 300 SF	8 SURFACE PARKING LOT SPACES	8 PARKING SPACES/12 = 0.66 PARKING LOT TREES REQUIRED	1 PARKING LOT TREE PROVIDED	REQUIREMENT SATISFIED	SECTION 42-200 AND BY AGREEMENT

GEORGIA811. Utilities Protection Center, Inc. Know what's below. Call before you dig.

GRAPHIC SCALE IN FEET 0 10 20 40

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PREPARED FOR
DG THE DAVIS GROUP
11520 DAVIS DRIVE, SUITE 300, SUITE 300
ALPHARETTA, GA 30009
PHONE: 678-392-3618

No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

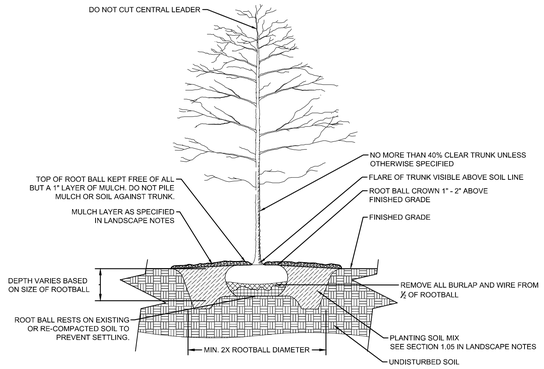
PROJECT
POOLER SELF-STORAGE FACILITY
1000 HALLIDAY DRIVE, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED No. LA001766 PROFESSIONAL LANDSCAPE ARCHITECT LAURA BALLOCK
01/16/2025

GSWCC NO. (LEVEL III)	0000092734
DRAWN BY	MR
DESIGNED BY	MR
REVIEWED BY	LB
DATE	01/14/2024
PROJECT NO.	013488004

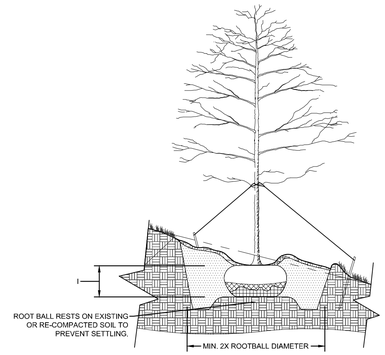
TITLE
TREE PLAN

SHEET NUMBER
L1-00



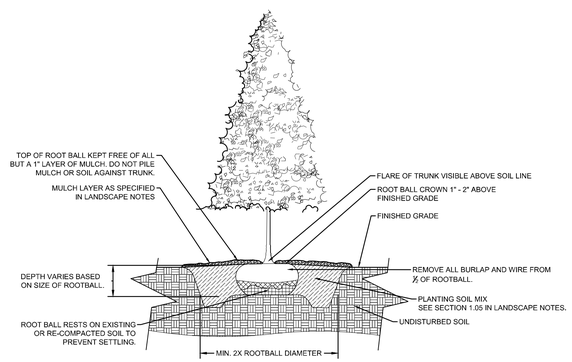
1 B&B TREE PLANTING

NOT TO SCALE



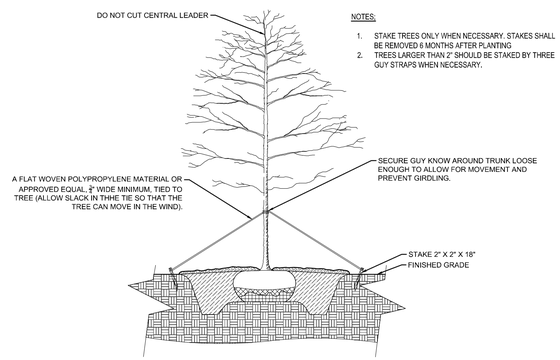
2 B&B TREE PLANTING ON SLOPE

NOT TO SCALE



3 EVERGREEN TREE PLANTING

NOT TO SCALE



NOTES:

1. STAKE TREES ONLY WHEN NECESSARY. STAKES SHALL BE REMOVED 6 MONTHS AFTER PLANTING
2. TREES LARGER THAN 2" SHOULD BE STAKED BY THREE GUY STRAPS WHEN NECESSARY.

04 TREE STAKING

NOT TO SCALE

GENERAL LANDSCAPE NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING PLANT SPECIES AND QUANTITY SPECIFIED BY LANDSCAPE ARCHITECT; PLANT QUANTITIES IDENTIFIED ON PLANS ARE FOR REFERENCE ONLY.
2. PLANT SIZE SPECIFICATIONS TAKE PRECEDENCE OVER CONTAINER SIZE.
3. NO LARGE OR MEDIUM CANOPY TREES SHALL BE PLANTED WITHIN 10-FEET OF OVERHEAD POWER LINE OR UNDERGROUND UTILITY LINE; SMALL TREES MUST MAINTAIN MINIMUM 5-FEET FROM UNDERGROUND UTILITY
4. TREES SHALL BE PLANTED AT PROPER DEPTH OR SHALL BE REJECTED AT TIME OF INSPECTION.
5. THE LOCATIONS OF PLANTS, AS SHOWN IN THESE PLANS, ARE APPROXIMATE. THE FINAL LOCATIONS MAY BE ADJUSTED TO ACCOMODATE FOR UNFORESEEN FIELD CONDITIONS TO COMPLY WITH SAFETY CRITERIA, TO AVOID CREATING UNSAFE SIGHT CONDITIONS, OR AS OTHERWISE DIRECTED BY OR APPROVED BY THE LANDSCAPE ARCHITECT.
6. CONTRACTOR SHALL ASSURE DRAINAGE AND PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION OF PLANT MATERIAL. NO ALLOWANCE WILL BE MADE FOR LOST PLANTS IMPROPER DRAINAGE, CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF ALL PLANTS LOST DUE TO INADEQUATE DRAINAGE CONDITIONS.
7. ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
8. ALL PLANTS MUST BE CONTAINER GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT LIST.
9. ALL TREES MUST HAVE A STRAIGHT TRUNK AND FULL HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
10. ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE, DURING, AND AFTER INSTALLATION.
11. ALL TREES MUST BE GUYED OR STAKED AS SHOWN IN THE DETAILS.
12. ALL TREES LOCATED WITHIN VEHICLE SIGHT TRIANGLES SHALL BE BRANCHED MIN. 8' (MEASURED FROM ADJACENT PROJECTED CURB LINE ELEVATION) PER ANSI Z60.1 STANDARDS FOR HEIGHT OF BRANCHING - STREET TREES.
13. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING THE COURSE OF THE WORK. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY AND ALL DAMAGE TO UTILITIES, STRUCTURES, SITE APPURTENANCES, ETC. WHICH OCCURS AS A RESULT OF THE LANDSCAPE CONSTRUCTION. CONTRACTOR IS ALSO RESPONSIBLE FOR COORDINATING ALL UTILITY ADJUSTMENTS WITH FINAL FINISH GRADE. ALL UTILITIES SHALL SIT FLUSH WITH FINISH GRADES (BOTH PAVED AND LANDSCAPED SURFACES).
14. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON THE LANDSCAPE PLANS BEFORE PRICING THE WORK. ANY DISCREPANCIES BETWEEN QUANTITIES ON PLAN AND PLANT LIST SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT LANDSCAPE ARCHITECT AND ANY FIELD ADJUSTMENTS OR QUANTITY ADJUSTMENTS MUST BE AUTHORIZED PRIOR TO ORDERING AND PLANTING.
15. THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, WEEDING, FERTILIZING, ETC.) OF THE PLANTING AREAS AND LAWN UNTIL SUBSTANTIAL COMPLETION.
16. THE CONTRACTOR SHALL COMPLETELY WARRANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR BEGINNING ON THE DATE OF SUBSTANTIAL COMPLETION. THE CONTRACTOR SHALL PROMPTLY MAKE ALL REPLACEMENTS BEFORE OR AT THE END OF THE WARRANTEE PERIOD.
17. THE LANDSCAPE ARCHITECT SHALL APPROVE THE STAKING LOCATION OF ALL PLANT MATERIAL PRIOR TO INSTALLATION. CONTRACTOR SHALL CONTACT THE PROJECT LANDSCAPE ARCHITECT A MINIMUM OF ONE (1) WEEK IN ADVANCE TO SCHEDULE STAKING.
18. ANY PLANT MATERIAL WHICH DIES, TURNS BROWN, OR DEFOLIATES (PRIOR TO SUBSTANTIAL COMPLETION OF THE WORK) SHALL BE PROMPTLY REMOVED FROM THE SITE AND REPLACED WITH MATERIAL OF THE SAME SPECIES, QUANTITY, AND SIZE MEETING ALL PLANT SCHEDULE SPECIFICATIONS.
19. STANDARDS SET FORTH IN "AMERICAN STANDARD FOR NURSERY STOCK" REPRESENT GUIDELINE SPECIFICATIONS ONLY AND SHALL CONSTITUTE MINIMUM QUALITY REQUIREMENTS FOR PLANT MATERIAL.
20. ALL PLANTING BEDS ARE TO BE COMPLETELY COVERED WITH TRIPLE SHREDDED HARDWOOD MULCH.
21. LOCATIONS OF EXISTING BURIED UTILITY LINES SHOWN ON THE PLANS ARE BASED UPON BEST AVAILABLE INFORMATION AND ARE TO BE CONSIDERED APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF UTILITY LINES AND ADJACENT TO THE WORK AREA. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL UTILITY LINES DURING THE CONSTRUCTION PERIOD.
22. SAFE, CLEARLY MARKED PEDESTRIAN AND VEHICULAR ACCESS TO ALL ADJACENT PROPERTIES MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.
23. ALL PLANT MATERIAL QUANTITIES SHOWN ARE APPROXIMATE. CONTRACTOR TO PROVIDE OWN TAKE-OFFS AND SHALL BE RESPONSIBLE FOR COMPLETE COVERAGE OF ALL PLANTING BEDS AT SPACING SHOWN.
24. THE TOP OF ALL ROOT BALLS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE, AS BORN TO PREVIOUS GRADE AND GROWING CONDITIONS.
25. NO MULCH SHALL TOUCH TREE TRUNK AND ROOT FLARE SHALL BE VISIBLE.
26. ALL ROOT BALLS REMOVED FROM CONTAINERS SHALL BE SCARIFIED PRIOR TO BACKFILLING.
27. FAILURE TO INSTALL PLANT MATERIAL PER THIS PLAN WILL JEOPARDIZE ISSUANCE OF FINAL CERTIFICATE OF OCCUPANCY. CONTRACTOR SHALL BE RESPONSIBLE FOR SCHEDULING INSPECTIONS OF PLANT MATERIAL.
28. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES & ORDINANCES REGARDING LANDSCAPING. GENERAL CONTRACTOR IS TO CLEAN THE ENTIRE SITE OF ALL CONSTRUCTION DEBRIS PRIOR TO FINAL INSPECTION.

PREPARED BY
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No.	ISSUANCE AND REVISION DESCRIPTIONS	DATE	BY

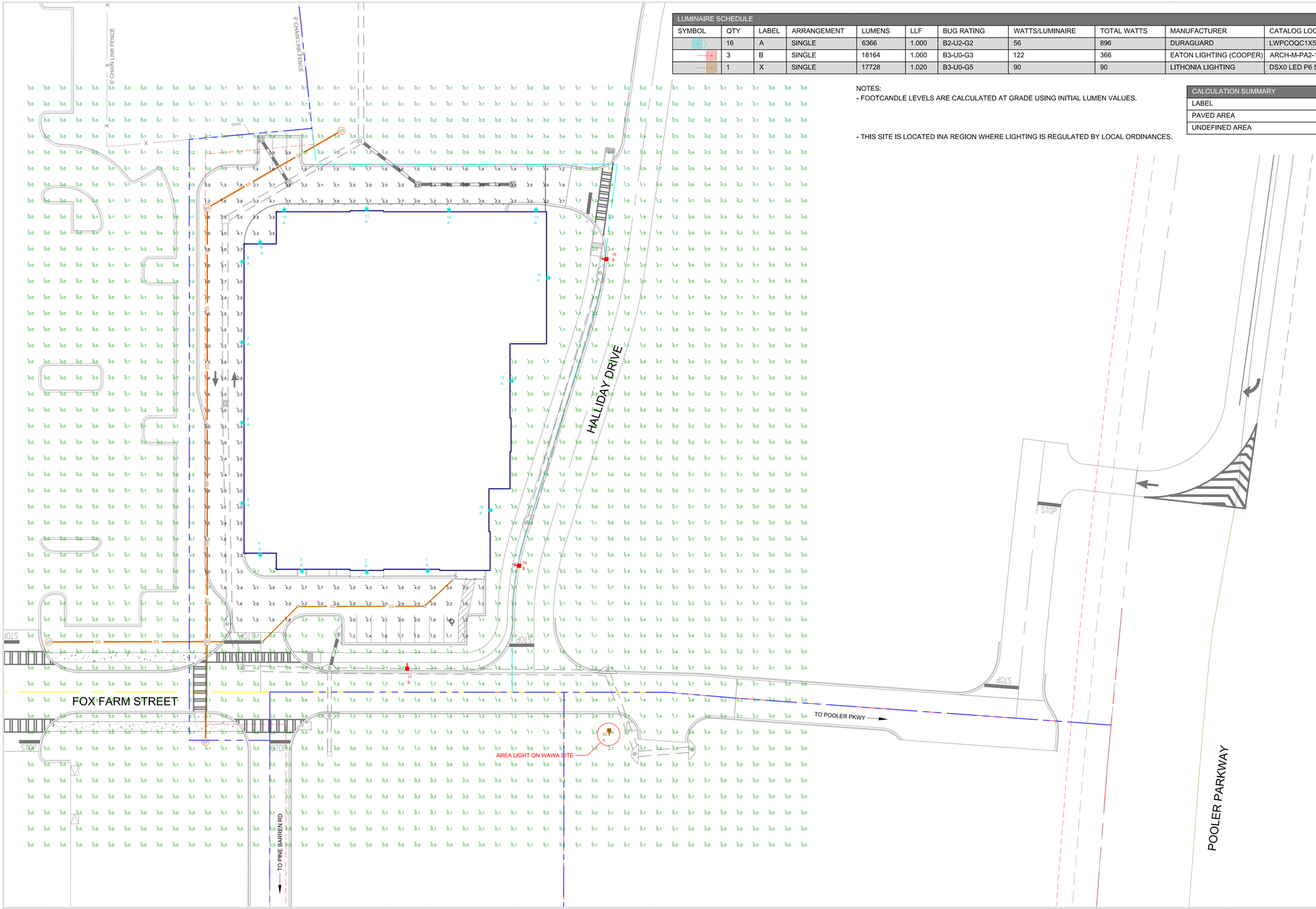
PROJECT
POOLER SELF-STORAGE FACILITY
1000 HALLIDAY DRIVE, POOLER, GA 31322
PARCEL R-3C
PARCEL ID: 51011-01027

GEORGIA REGISTERED No. LA001766 PROFESSIONAL LANDSCAPE ARCHITECT LAURA BALLOCK
01/16/2025

GSWCC NO. (LEVEL II)	0000092734
DRAWN BY	MR
DESIGNED BY	MR
REVIEWED BY	LB
DATE	01/14/2024
PROJECT NO.	013488004

TITLE
LANDSCAPE DETAILS

SHEET NUMBER
L2-10



LUMINAIRE SCHEDULE										
SYMBOL	QTY	LABEL	ARRANGEMENT	LUMENS	LLF	BUG RATING	WATTS/LUMINAIRE	TOTAL WATTS	MANUFACTURER	CATALOG LOGIC
	16	A	SINGLE	6366	1.000	B2-U2-G2	56	896	DURAGUARD	LWPCOQC1X56U5KC
	3	B	SINGLE	18164	1.000	B3-U0-G3	122	366	EATON LIGHTING (COOPER)	ARCH-M-PA2-120-740-U-T3 (OWNED BY GAP)
	1	X	SINGLE	17728	1.020	B3-U0-G5	90	90	LITHONIA LIGHTING	DSX0 LED P6 50K 70CRI T4M MVOLT FAO DXXXX (SW. POS 5) (OWNED BY WAWA)

NOTES:
- FOOTCANDLE LEVELS ARE CALCULATED AT GRADE USING INITIAL LUMEN VALUES.

- THIS SITE IS LOCATED INA REGION WHERE LIGHTING IS REGULATED BY LOCAL ORDINANCES.

CALCULATION SUMMARY					
LABEL	AVG	MAX	MIN	AVG/MIN	MAX/MIN
PAVED AREA	2.36	4.3	0.9	2.62	4.78
UNDEFINED AREA	0.50	4.1	0.0	N.A.	N.A.

LUMINAIRE LOCATION SUMMARY		
LUM NO.	LABEL	MTG. HT.
1	A	25
2	A	25
3	A	25
4	A	25
5	A	25
6	A	25
7	A	25
8	A	25
9	A	25
10	A	25
11	A	25
12	A	25
13	A	25
14	A	25
15	A	25
16	A	25
17	B	30
18	B	30
19	B	30
20	X	20.5

REDLEONARD ASSOCIATES
1340 Kemper Meadow Dr, Forest Park, OH 45240
513-574-9500 I redleonard.com

REV.	BY	DATE	DESCRIPTION
R1	RCF	01/20/2025.	ADDED WALL PACKS TO THE BUILDING PER CLIENT REQUEST.
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SCALE: 1" = 30'
LAYOUT BY: RCF
DWG SIZE: D
DATE: 01/17/2025

PROJECT NAME:
POOLER SELF STORAGE
POOLER, GA

DRAWING NUMBER:
RL-10045-S1-R1