ROCKDALE COUNTY FIRE TRAINING CAMPUS

SW HIGHWAY 212 PARCEL #013001029B CONYERS, GEORGIA 30012

PREPARED FOR:

ROCKDALE COUNTY GOVERNMENT 958 MILSTEAD AVE NE, CONYERS, GA 30012

PROJECT INFORMATION

OF UTILITY DEMOLITION AND REMOVAL OR ADJUSTMENTS

GENERAL NOTES

6. CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING EXISTING

UTILITIES IDENTIFIED ON THESE PLANS AT NO ADDITIONAL COST TO

17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE IN COMPLIANCE

18. COMPACTION OF BACKFILL SHALL BE PER ROCKDALE COUNTY

A MANNER THAT MEETS ALL FEDERAL, STATE, COUNTY, AND LOCAL

20. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL

WETLAND AREAS. IT IS THE RESPONSIBILITY OF THE PROPERTY

11. ALL CONSTRUCTION TO COMPLY WITH ROCKDALE COUNTY

BY ROCKDALE COUNTY OF ANY LAND DISTURBING ACTIVITIES WITHIN

OWNER TO CONTACT THE APPROPRIATE REGULATORY AGENCY FOR

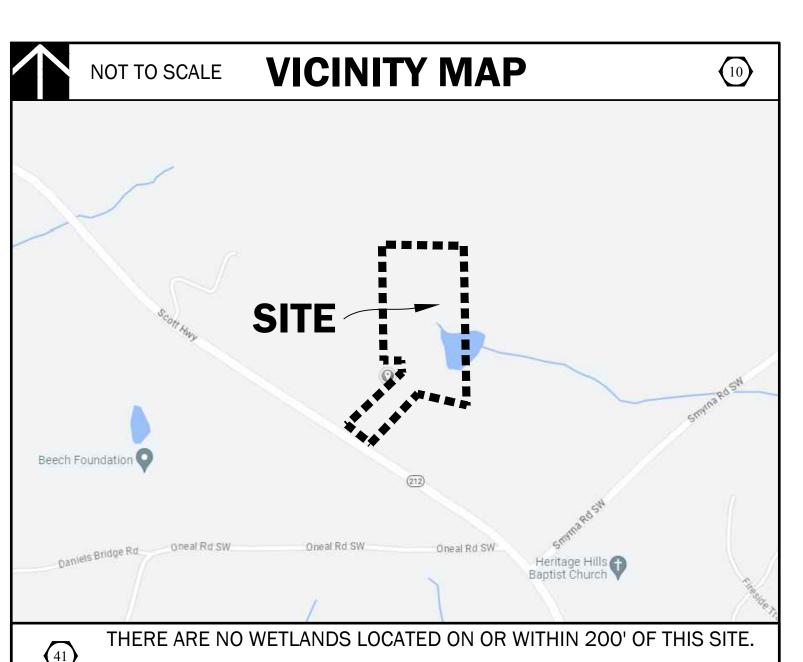
19. THERE SHALL BE NO BURIAL OF CONSTRUCTION DEBRIS OR DRGANICS ON THIS SITE, CONTRACTOR SHALL DISPOSE OF DEBRIS IN

REGULATIONS SET FORTH BY THE GOVERNING AGENCY.

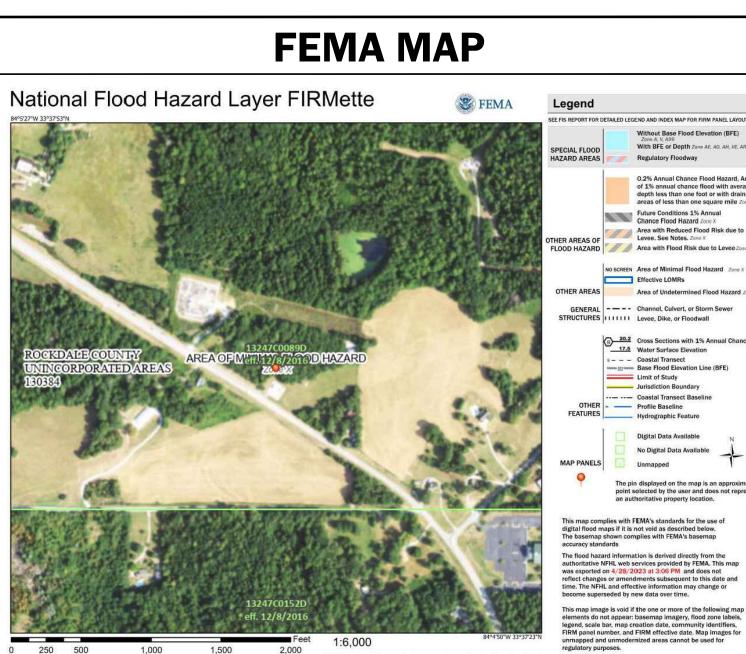
APPROVAL OF ANY WETLAND AREA DISTURBANCE.

STANDARDS.

WITH APPLICABLE N.P.D.E.S. PERMITS AND CLEAN WATER ACT REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE AS THE



THERE ARE NO STATE WATERS LOCATED ON OR WITHIN 200' OF THIS SITE



PROJECT CONTACTS NAME: ROCKDALE COUNTY BOARD OF COMMISIONERS ADDRESS: 958 MILSTEAD AVENUE SE CITY, ST, ZIP: CONYERS, GA 30012 CONTACT: ANDREW HAMMER PHONE: 678-387-7081 EMAIL: ANDREWHAMMER®ROCKDALECOUNTYGAGOV NAME: JERICHO DESIGN GROUP ADDRESS: 208 PIRKLE FERRY ROAD, SUITE C CITY, ST, ZIP: CUMMING, GA 30040 CONTACT: DOUG SHAW PHONE: 470-529-1043 EMAIL: DSHAW@JERICHO-DESIGN.COM NAME: BREEDLOVE LAND PLANNING, INC. ADDRESS: 15 SIMPSON STREET NW CITY, ST, ZIP: ATLANTA, GA, 30308 CONTACT: MATT TANNER, PE PHONE: 770-483-1173 EMAIL: MTANNER@LANDPLANNING.NET NAME: ROCHESTER AND ASSOCIATES, LLC ADDRESS: 425 OAK STREET NW CITY/STATE/ZIP: GAINESVILLE, GA 30501 CONTACT: AJ ALLISON EMAIL: AJALLISION@ROCHESTER-ASSOC.COM

ROCKDALE COUNTY NOTES ANY ROCKDALE COUNTY INFRASTRUCTURE OR PROPERTY DAMAGED DURING, OR AS A RESULT OF, CONSTRUCTION OF THIS PROJECT WILL BE REPAIRED OR REPLACED

ROCKDALE COUNTY NOTES

TO THE SATISFACTION OF ROCKDALE COUNTY

With BFE or Depth Zone AE, AO, AH, VE. AR Regulatory Floodway

depth less than one foot or with drains areas of less than one square mile Zon

Area with Reduced Flood Risk due to Levee, See Notes, Zane X

Jurisdiction Boundary

No Digital Data Available

Profile Baseline

- CONFORM TO ROCKDALE WATER RESOURCES WATER AND WASTEWATER STANDARDS AND SPECIFICATIONS, LATEST EDITION. CONTRACTOR WILL NOTIFY RWR ENGINEERING DEPARTMENT AT LEAST 12 HOURS
- PRIOR TO BEGINNING OF CONSTRUCTION ON WATER AND SEWER. AN INSPECTOR WILL BE ASSIGNED, AND A PRE-CONSTRUCTION MEETING SCHEDULED AT THIS AS-BUILT DRAWINGS SHALL BE FIELD VERIFIED AND STAMPED BY A
- REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR, LICENSED IN THE THE CONTRACTOR SHALL COMPLY WITH ALL UTILITIES PROTECTION CENTER

UTILITY LOCATION NOTES

- CONTRACTOR SHALL BE RESPONSIBLE TO SECURE THE SERVICES OF A PRIVATE UTILITY LOCATOR FIRM DURING THE ENTIRE COURSE OF CONSTRUCTION. CONTRACTOR SHALL PAY FOR SAID SERVICES.
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----W--- DOMESTIC WATER 2. NOTIFY ROCKDALE COUNTY'S INSPECTOR 24 HOURS PRIOR TO BEGINNING EVERY PHASE OF DEMOLITION. 3. HIGH INTENSITY LIGHTING FACILITIES SHALL BE SO ARRANGED THAT FH FIRE HYDRANT DETAIL REFERENCE (SHEET* THE SOURCE OF ANY LIGHT IS CONCEALED FROM PUBLIC VIEW AND FROM ADJACENT RESIDENTIAL PROPERTY AND DOES NOT INTERFERE PIVO POST INDICATOR VALVE TB CONCRETE THRUST BLOCKING G.DO.T. TYPE 4010 VEHICULAR GUARDRAI 4. ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND FENCING PRIOR TO COMMENCEMENT OF **PAVEMENT MARKINGS** 6. TEMPORARY SEDIMENT STORAGE FEATURES AND PERIMETER BMPS SHALL BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING. 1. NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. 8. CUT AND FILL SLOPES SHALL NOT EXCEED TWO FEET (2') HORIZONTAL TO ONE FOOT (1') VERTICAL. 9. ANY DISCREPANCY FOUND BETWEEN SHEETS IN THIS SET SHALL BE REFERRED TO THE OWNERS REPRESENTATIVE AND SITE DESIGN PROFESSIONAL FOR CLARIFICATION PRIOR TO PROCEEDING WITH ANY CONSTRUCTION ACTIVITY 10. CONTRACTOR SHALL VERIFY ALL BENCH MARKS AND EXISTING SITE CONDITIONS PRIOR TO PROCEEDING WITH DEMOLITION ACTIVITY. II. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON-SITE. NO TOPSOIL SHALL BE REMOVED FROM SITE. 12. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE FEDERAL. STATE, COUNTY AND LOCAL CODES AND MINIMUM STANDARDS AND SPECIFICATIONS. 3. ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR. 14. ALL GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES. 15. TREES TO BE SAVED SHALL BE PROTECTED BY THE

LAYOUT & STAKING

←	PARKING ARROW - STRAIGHT, WHITE	—FM— FORCE	MAIN
~	PARKING ARROW - TURN, WHITE		GENERAL
	PAINTED CROSSWALK - WHITE	—TP— TREE F	PROTECTION FENCE
	ADA PARKING ACCESS AISLE - BLUE	——II—— LIMITS	OF CONSTRUCTION
STOP	PAINTED WORD "STOP" - WHITE		IG TREE TO BE REMOVED
ONLY	PAINTED WORD "ONLY" - WHITE	/\	
	SIGNAGE		DRM DRAINAGE
			STORM STRUCTURE LABEL
	IGN	→ HW	HEADWALL
STOP 5	TOP SIGN - MUTCD STANDARD RI-I	□ FE9	FLARED END SECTION - GDOT STANDARD 1122
YIELD	IELD SIGN - MUTCD STANDARD RI-2	D 5E5	SAFETY END SECTION - GDOT STANDARD 1122
		⊕ св	CATCH BASIN / GRATE INLET
N	O PARKING SIGN - MUTCD STANDARD R8-3a	⊚ JB	JUNCTION BOX
	O NOT ENTER SIGN - MUTCD STANDARD R5-1	DI (PED. TOP)	DROP INLET - PEDESTAL TOP
ONE		(1019a)	CURB INLET - GDOT STANDARD 1019a W/ TYPE 'E' HOOD
	NE WAY SIGN - MUTCD STANDARD R6-2	• SWCB	SINGLE-WING CATCH BASIN - GDOT STANDARD 1033D
	SITE GRADING	DWCB	DOUBLE-WING CATCH BASIN - GDOT STANDARD 1034D
 52	PROPOSED INTERMEDIATE CONTOURS	OC\$	OUTLET CONTROL STRUCTURE
-50	PROPOSED INDEX CONTOURS	TOP	TOP OF STRUCTURE ELEVATION
+50.5		TH.	THROAT OF STRUCTURE ELEVATION
	SPOT ELEVATION	HDPE	HIGH-DENSITY POLYETHYLENE PIPE
>>>>>>	BERM	AST2	ALUMINIZED STEEL TYPE 2 PIPE
+H.P.	HIGH POINT	AST2-SB	AST2 SPIRAL RIB CMP (MANNING'S
+L.P.	LOW POINT		n=0.012, ULTRAFLOW (TM) OR APPROVED EQUAL
-	FLOW DIRECTION	DIP	DUCTILE IRON PIPE
6—►	SWALE	RCP	REINFORCED CONCRETE PIPE (CLASSIV OR V) W/ RUBBER O-RING GASKET
2:1	SLOPE INDICATOR (H:V)	PVC	POLYVINYL CHLORIDE PIPE (SCHEDULE 40)
+TW 505	FINISHED GRADE AT TOP OF WALL	INV. IN	INVERT ELEVATION - IN
+BW 50.5	FINISHED GRADE AT BOTTOM OF WALL	INV. OUT	INVERT ELEVATION - OUT
	TOP OF CURB ELEVATION	HGL	HYDRAULIC GRADE LINE

WATER AUTHORITY

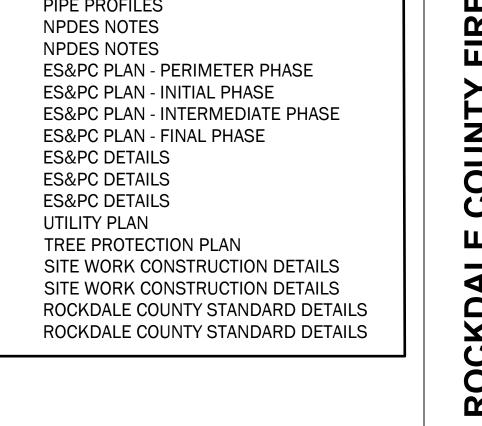
SITE PLAN LEGENDS

SITE UTILITIES

ATION		Н	āL	HYDRAULIC GRAD	E LINE
	PROJEC	CT D	ATA		6 7
	PROJECT ADDRESS TAX PARCELS: LAND LOTS: ZONING:	Э̂:	SW HIGHWAY CONYERS, G Ø13001029B 213 \$ 236 AR	A 30012	
	EXISTING USE: PROPOSED USE: TOTAL AREA OF SI' DISTURBED AREA: EXISTING IMPERVIO IMPERVIOUS AREA:	TE: PUS	UNDEVELOP FIRE TRAININ 12.45 ACRES 8.15 ACRES 0.00 ACRES 1.28 ACRES	NG CAMPUS S	
	LOCAL ISSUING AUT PERMIT NUMBER: SEWER AUTHORITY: PERMIT NUMBER:		ROCKDALE 23-008596 ROCKDALE 23-008596		

ROCKDALE COUNTY

SHEET INDEX SHEET # SHEET NAME
SHEET # SHEET NAME
CO.00 COVER SHEET CO.10 TOPOGRAPHIC SURVEY 1 OF 2 CO.20 TOPOGRAPHIC SURVEY 2 OF 2 C1.50 DEMOLITION & REMOVAL PLAN C2.00 STAKING & LAYOUT PLAN C3.00 GRADING PLAN C3.10 STORM DRAINAGE PLAN C3.20 PIPE PROFILES C4.00 NPDES NOTES C4.05 NPDES NOTES C4.10 ES&PC PLAN - PERIMETER PHAS C4.20 ES&PC PLAN - INITIAL PHASE C4.30 ES&PC PLAN - INTERMEDIATE P C4.40 ES&PC PLAN - FINAL PHASE C4.50 ES&PC DETAILS C4.51 ES&PC DETAILS C4.52 ES&PC DETAILS C4.52 ES&PC DETAILS C5.00 UTILITY PLAN C6.00 TREE PROTECTION PLAN C7.00 SITE WORK CONSTRUCTION DE C7.01 ROCKDALE COUNTY STANDARD C7.11 ROCKDALE COUNTY STANDARD



ROCKDALE COUNTY BOC EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV PHONE NUMBER: 678-387-7081

CALL BEFORE YOU DIG

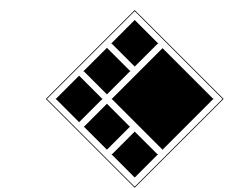


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DO NOT BREAK OR DUPLICATE

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- READ THE SPECIFICATIONS. THIS SET OF DRAWINGS AND SPECIFICATIONS DEFINE PROJECT SCOPE AND CONTRACT REQUIREMENTS. INDIVIDUAL SHEETS SEPARATED FROM THE SET MAY NOT ADEQUATELY REFLECT ALL INFORMATION NEEDED TO SUITABLY COVER CERTAIN ITEMS. DO NO SEPARATE THIS SET OF DRAWINGS INTO INDIVIDUAL SHEETS.





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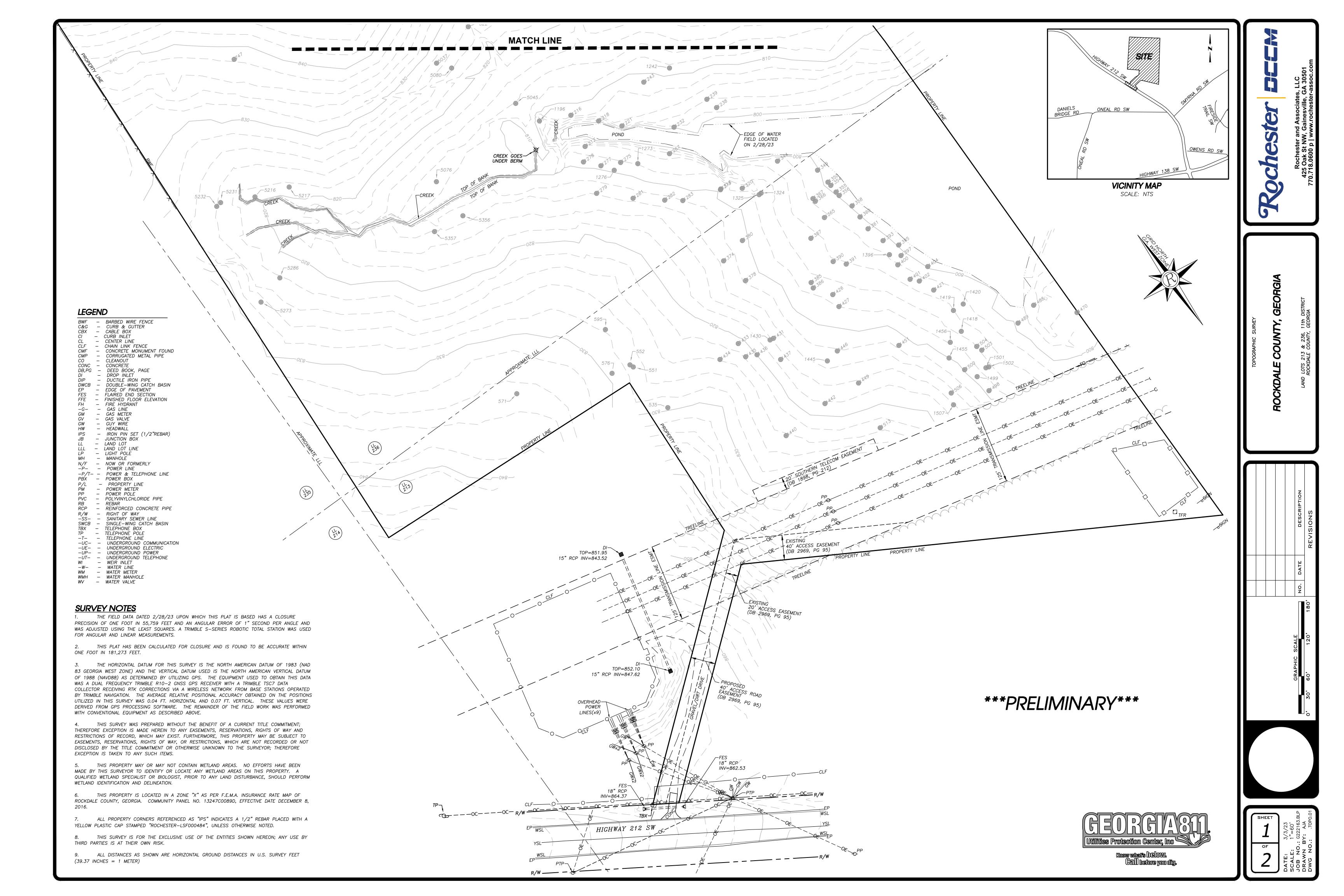
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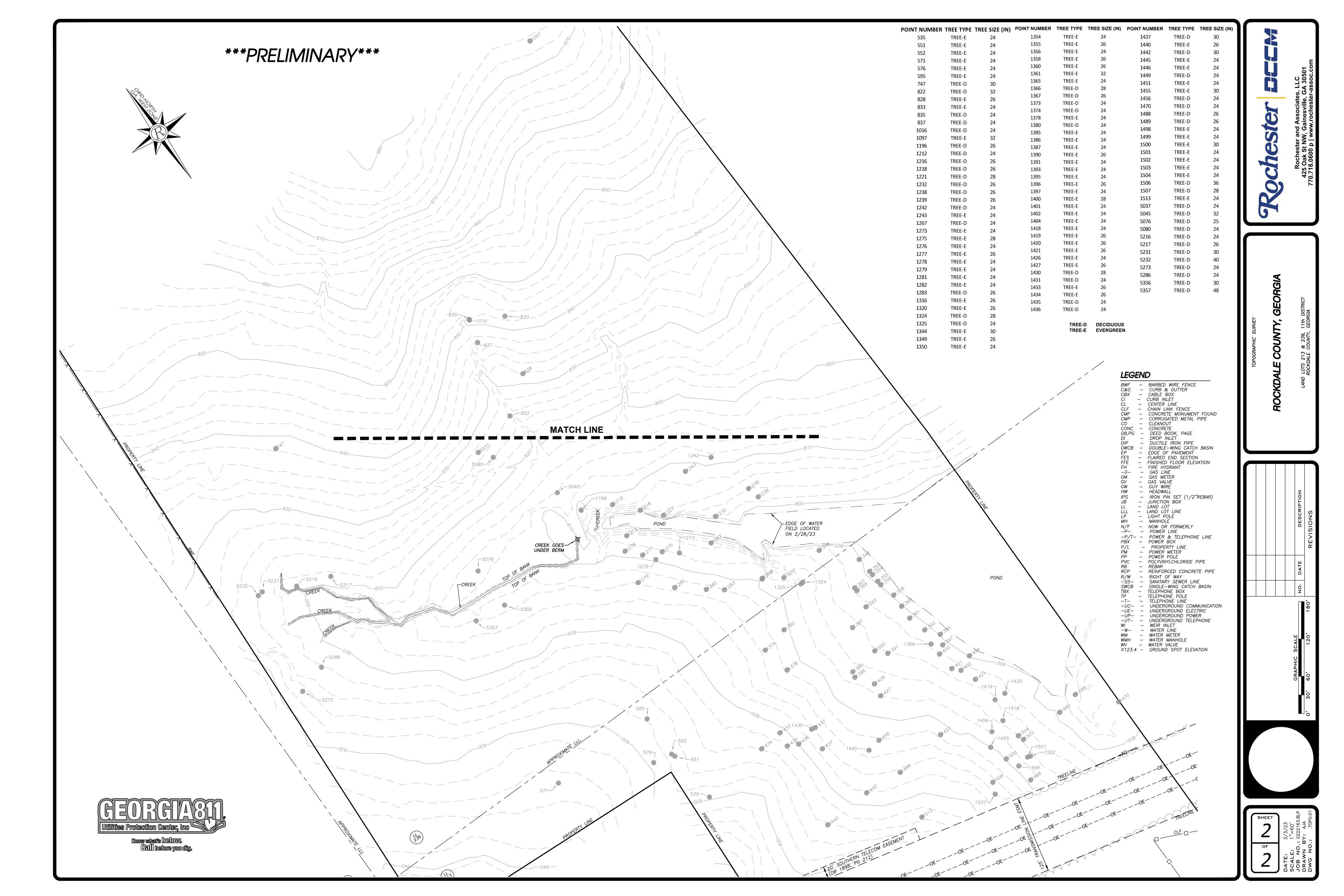
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COVER SHEET

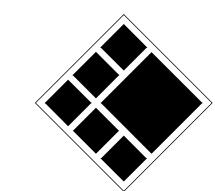
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Sheet Title









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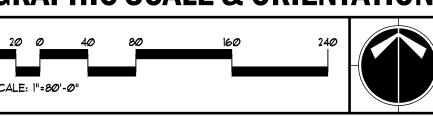


24-HOUR EROSION CONTACT 4

NAME: ANDREW HAMMER
COMPANY: ROCKDALE COUNTY BOC
EMAIL ADDRESS: ANDREW.HAMMER®ROCKDALECOUNTYGA.GOV

PHONE NUMBER: 678-387-7081

GRAPHIC SCALE & ORIENTATION



UTILITY LOCATION NOTES

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ROCKDALE COUNTY FIRE TRAIINNG CAMPUS

RINT RECORD

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1	07/31/2023	LDP SUBMITTAL
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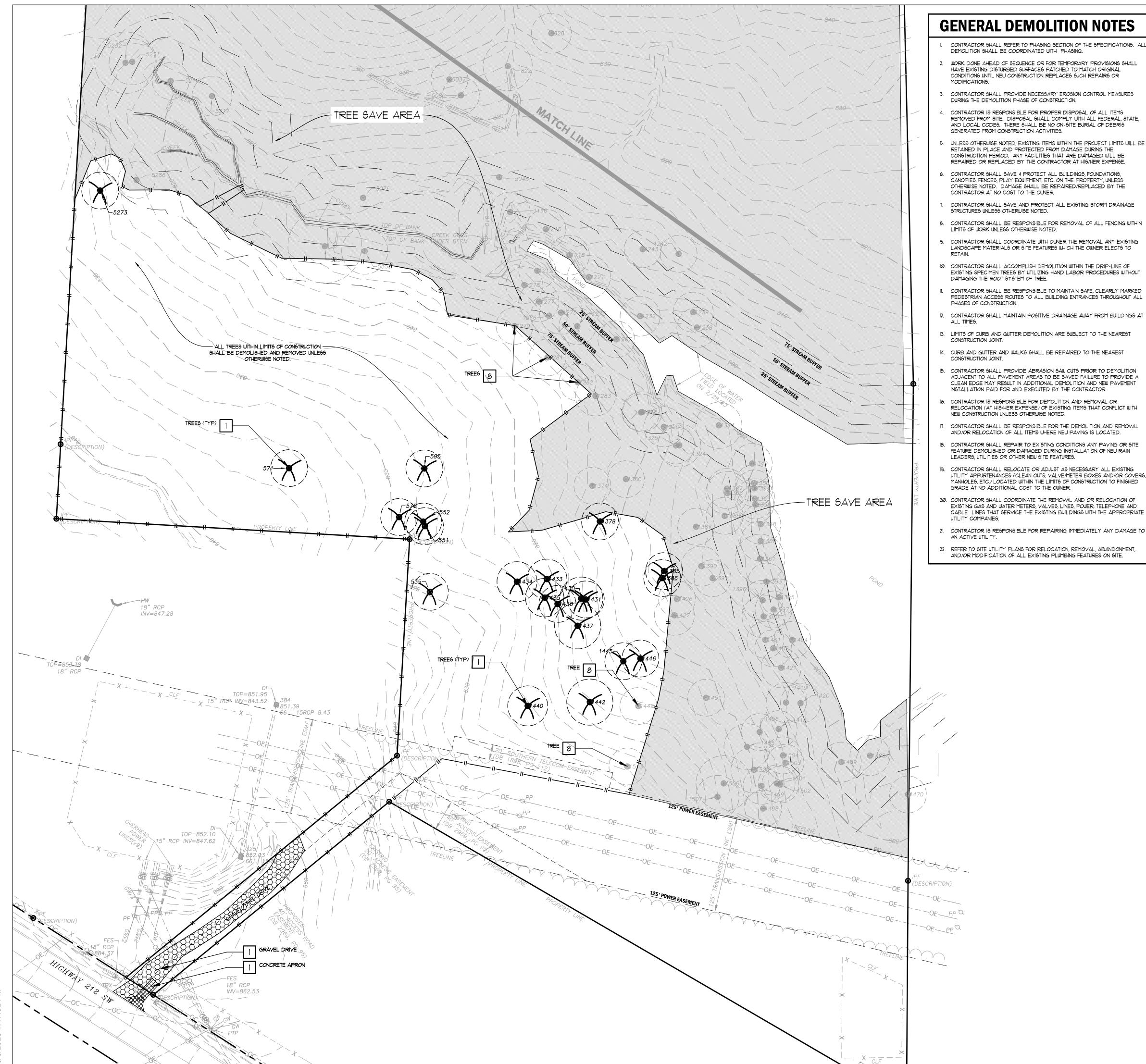
ROCKDALE COUNT COMMISSIONERS

Drawn By	Checked By
Author	Checker
Date	Job No.
05/05/2023	22051

MASTER PLAN

Sheet No.

C-1.00



GENERAL DEMOLITION NOTES

- CONTRACTOR SHALL REFER TO PHASING SECTION OF THE SPECIFICATIONS. ALL DEMOLITION SHALL BE COORDINATED WITH PHASING.
- WORK DONE AHEAD OF SEQUENCE OR FOR TEMPORARY PROVISIONS SHALL HAVE EXISTING DISTURBED SURFACES PATCHED TO MATCH ORIGINAL CONDITIONS UNTIL NEW CONSTRUCTION REPLACES SUCH REPAIRS OR
- CONTRACTOR SHALL PROVIDE NECESSARY EROSION CONTROL MEASURES DURING THE DEMOLITION PHASE OF CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL ITEMS REMOVED FROM SITE. DISPOSAL SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES. THERE SHALL BE NO ON-SITE BURIAL OF DEBRIS GENERATED FROM CONSTRUCTION ACTIVITIES.
- RETAINED IN PLACE AND PROTECTED FROM DAMAGE DURING THE CONSTRUCTION PERIOD. ANY FACILITIES THAT ARE DAMAGED WILL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS/HER EXPENSE.
- CONTRACTOR SHALL SAVE & PROTECT ALL BUILDINGS, FOUNDATIONS, CANOPIES, FENCES, PLAY EQUIPMENT, ETC. ON THE PROPERTY, UNLESS OTHERWISE NOTED. DAMAGE SHALL BE REPAIRED/REPLACED BY THE CONTRACTOR AT NO COST TO THE OWNER.
- CONTRACTOR SHALL SAVE AND PROTECT ALL EXISTING STORM DRAINAGE
- CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL FENCING WITHIN LIMITS OF WORK UNLESS OTHERWISE NOTED.
- 10. CONTRACTOR SHALL ACCOMPLISH DEMOLITION WITHIN THE DRIP-LINE OF
- DAMAGING THE ROOT SYSTEM OF TREE. CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN SAFE, CLEARLY MARKED
- 2. CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDINGS AT
- 13. LIMITS OF CURB AND GUTTER DEMOLITION ARE SUBJECT TO THE NEAREST
- CURB AND GUTTER AND WALKS SHALL BE REPAIRED TO THE NEAREST
- CONTRACTOR SHALL PROVIDE ABRASION SAW CUTS PRIOR TO DEMOLITION ADJACENT TO ALL PAVEMENT AREAS TO BE SAVED FAILURE TO PROVIDE A CLEAN EDGE MAY RESULT IN ADDITIONAL DEMOLITION AND NEW PAVEMENT INSTALLATION PAID FOR AND EXECUTED BY THE CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR DEMOLITION AND REMOVAL OR RELOCATION (AT HIS/HER EXPENSE) OF EXISTING ITEMS THAT CONFLICT WITH NEW CONSTRUCTION UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL AND/OR RELOCATION OF ALL ITEMS WHERE NEW PAYING IS LOCATED.
- CONTRACTOR SHALL REPAIR TO EXISTING CONDITIONS ANY PAVING OR SITE FEATURE DEMOLISHED OR DAMAGED DURING INSTALLATION OF NEW RAIN LEADERS, UTILITIES OR OTHER NEW SITE FEATURES.
- CONTRACTOR SHALL RELOCATE OR ADJUST AS NECESSARY ALL EXISTING UTILITY APPURTENANCES (CLEAN OUTS, VALVE/METER BOXES AND/OR COVERS, MANHOLES, ETC.) LOCATED WITHIN THE LIMITS OF CONSTRUCTION TO FINISHED GRADE AT NO ADDITIONAL COST TO THE OWNER.
- EXISTING GAS AND WATER METERS, VALVES, LINES, POWER, TELEPHONE AND CABLE LINES THAT SERVICE THE EXISTING BUILDINGS WITH THE APPROPRIATE
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING IMMEDIATELY ANY DAMAGE TO
- 22. REFER TO SITE UTILITY PLANS FOR RELOCATION, REMOVAL, ABANDONMENT

DEMOLITION LEGEND

- TO BE REMOVED BY THE CONTRACTOR OR AT THE CONTRACTORS EXPENSE TO BE REMOVED BY THE CONTRACTOR OR AT THE CONTRACTORS EXPENSE AND TURNED OVER TO THE OWNER FOR REUSE
- 3 TO BE REMOVED BY OWNER
- RELOCATE AS NECESSARY (R.A.N.) AND/OR ADJUST AS NECESSARY AT THE CONTRACTORS EXPENSE 5 TO BE REMOVED, RELOCATED, MODIFIED OR ADJUSTED BY OTHERS

- TO BE REMOVED BY CONTRACTOR OR AT THE CONTRACTORS EXPENSE AND RETAINED FOR REUSE AT THIS SITE



ASPHALT PAVEMENT REMOVAL LIMITS (DEMOLISH REMOVE PAVEMENTS TO SUBGRADE) GRAVEL REMOVAL LIMITS (DEMOLISH & REMOVE TO SUBGRADE)

BUILDING STRUCTURE DEMOLITION LIMITS CONTRACTOR SHALL COORDINATE DEMOLITION OF ALL BUILDING UTILITIES WITH ARCHITECT & MEP)

CONCRETE CURB AND GUTTER REMOYAL (DEMOLISH AND REPAIR TO NEAREST CONSTRUCTION JOINT)

IMITS OF CONSTRUCTION ACTIVITY

TREE REMOVAL AREA

EXISTING TREE TO BE REMOVED

UNLESS OTHERWISE NOTED.

ALL TREES WITHIN LIMITS OF CONSTRUCTION SHALL BE DEMOLISHED AND REMOVED

24-HOUR EROSION CONTACT 4

ANDREW HAMMER ROCKDALE COUNTY BOC COMPANY:

UTILITY LOCATION NOTES

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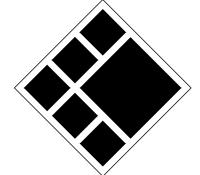
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208 Pirkle Ferry Road, Suite C Cumming, GA 30040



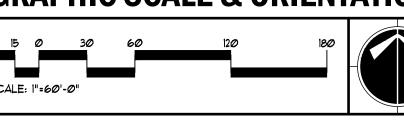
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EMAIL ADDRESS: ANDREWHAMMER®ROCKDALECOUNTYGAGOV PHONE NUMBER: 618-381-1081

GRAPHIC SCALE & ORIENTATION



- CONTRACTOR SHALL PAY FOR SAID SERVICES.
- CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO THE OWNER.
- THE UTILITIES SHOWN ARE SCHEMATIC AND FOR THE CONTRACTOR'S VERIFY THE LOCATIONS OF UTILITIES WITHIN THE LIMITS OF THE WORK. DAMAGE SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE OWNER.



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PRINT RECORD

No. DATE **DESCRIPTION** 1 07/31/2023 LDP SUBMITTAL 2 09/07/2023 LDP RESUBMITTAL

ROCKDALE COUN COMMISSIONERS

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Checked By Drawn By Date Job No. 05/05/2023

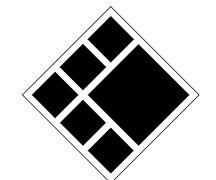
Sheet Title

DEMOLITION AND REMOVAL PLAN

Sheet No.



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GENERAL LAYOUT NOTES

HEAVY DUTY ASPHALT

CONCRETE PAYING

- PROPOSED BUILDING USE: FIRE TRAINING FACILITY
- CONTRACTOR SHALL VERIFY CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES FOUND SHALL BE REPORTED TO THE ARCHITECT FOR CLARIFICATION AND/OR CORRECTION BEFORE PROCEEDING WITH THE WORK. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR DISCREPANCIES WHICH ARE NOT REPORTED.
- CONTRACTOR SHALL STAKE ALL BUILDING CORNERS AND OBTAIN ARCHITECTS APPROVAL BEFORE POURING ANY FOOTINGS.
- 4. REFER TO ARCHITECTURAL PLANS FOR ACTUAL BUILDING DIMENSIONS.
- 5. ALL DIMENSIONS ARE TO THE FACE OF CURBS AND FACE OF WALLS.
- 6. ALL ANGLES ARE 90° UNLESS OTHERWISE NOTED.
- CURB AND GUTTER RADII ARE 5' UNLESS OTHERWISE NOTED.

24-HOUR EROSION CONTACT

ANDREW HAMMER ROCKDALE COUNTY BOC COMPANY: EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGAGOV

GRAPHIC SCALE & ORIENTATION



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ROCKDALE COUNTY COMMISSIONERS

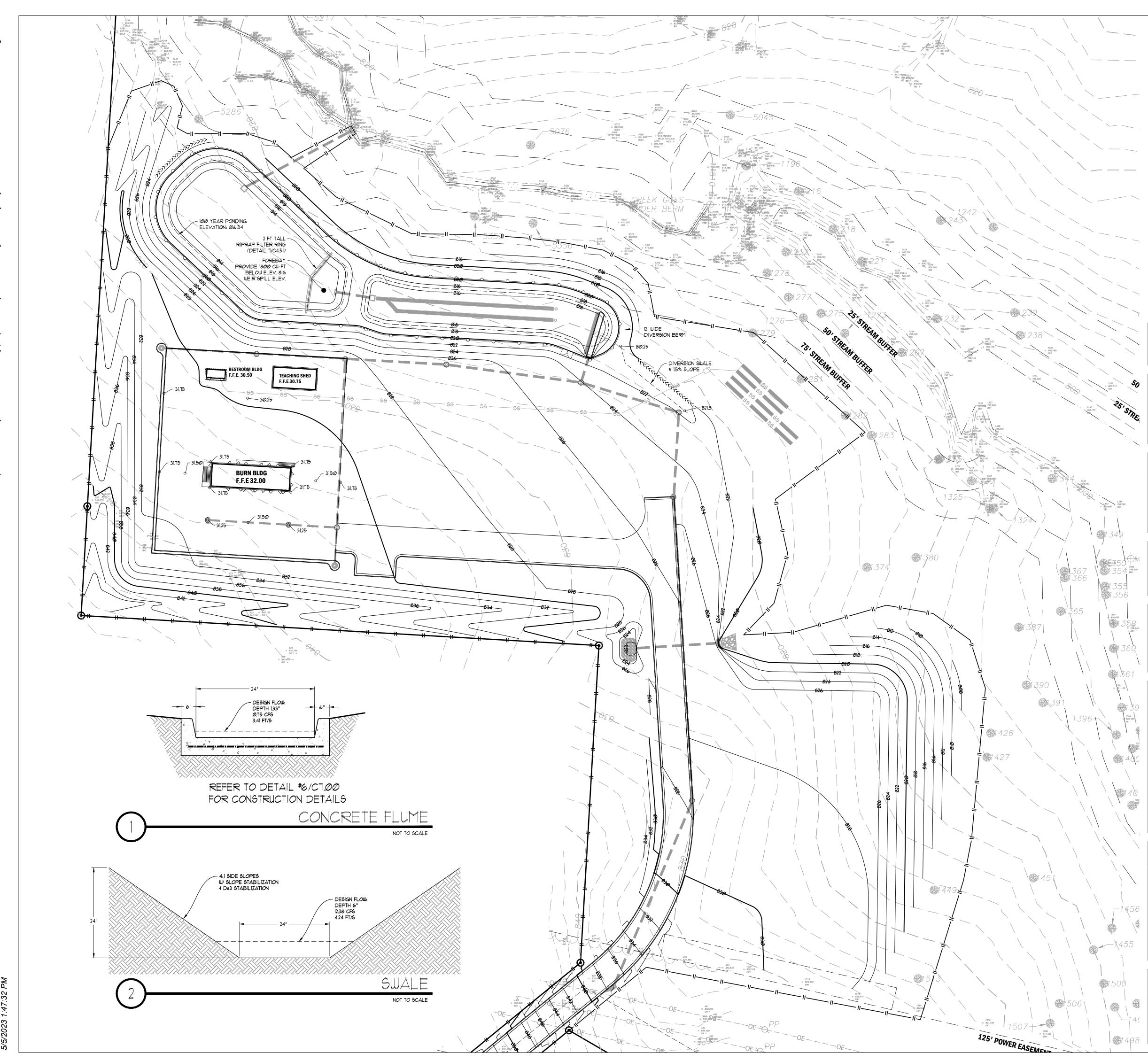
LAND LOTS 213 & 236 ROCKDALE COUNTY,

Drawn By	Checked By
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Date	Job No.
05/05/2023	22051

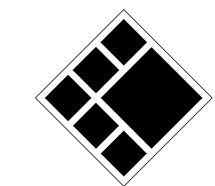
Sheet Title

STAKING AND LAYOUT PLAN

Sheet No.







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15 Simpson Street, NW, Atlanta, GA 30308 P: 770-483-1173 ◆ www.landplanning.net

BLP PROJ. NO. 22158



INSUFFICIENT FILL MATERIAL: IF QUANTITY OF GRADING MATERIAL IS INSUFFICIENT TO

INSUFFICIENT FILL

EXCESS CUT

PROVIDE FINISHED GRADE ELEVATIONS INDICATED ON DRAWINGS, CONTRACTOR SHALL OBTAIN ADDITIONAL FILL MATERIAL OF SPECIFIED QUALITY FROM AN OFF-SITE SOURCE. OBTAINING, HAULING, PLACEMENT, COMPACTION, AND STABILIZATION OF ADDITIONAL FILL MATERIAL SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY ALL LOCAL, STATE, AND FEDERAL REGULATIONS IN OBTAINING FILL MATERIAL.

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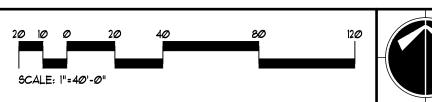
EXCESS OUT MATERIAL: IF QUANTITY OF GRADING MATERIAL IS IN EXCESS OF QUANTITIES NECESSARY TO PROVIDE FINISH GRADE ELEVATIONS INDICATED ON DRAWINGS, EXCESS MATERIAL SHALL BE HAULED OFF SITE. HAULING AND DISPOSAL OF EXCESS MATERIAL SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER CONTRACTOR IS RESPONSIBLE FOR ABIDING BY ALL LOCAL, STATE, AND FEDERAL REGULATIONS IN DISPOSING OF EXCESS MATERIAL.

24-HOUR EROSION CONTACT

ANDREW HAMMER ROCKDALE COUNTY BOC COMPANY: EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGAGOV

PHONE NUMBER: 678-387-7081

GRAPHIC SCALE & ORIENTATION



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ROCKDALE COUNTY COMMISSIONERS

LAND LOTS 213 & 236 ROCKDALE COUNTY,

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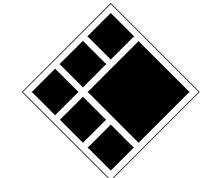
GRADING PLAN

Sheet No.





208 Pirkle Ferry Road, Suite C Cumming, GA 30040



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INSUFFICIENT FILL

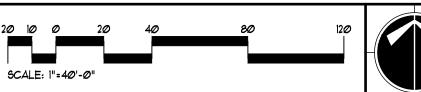
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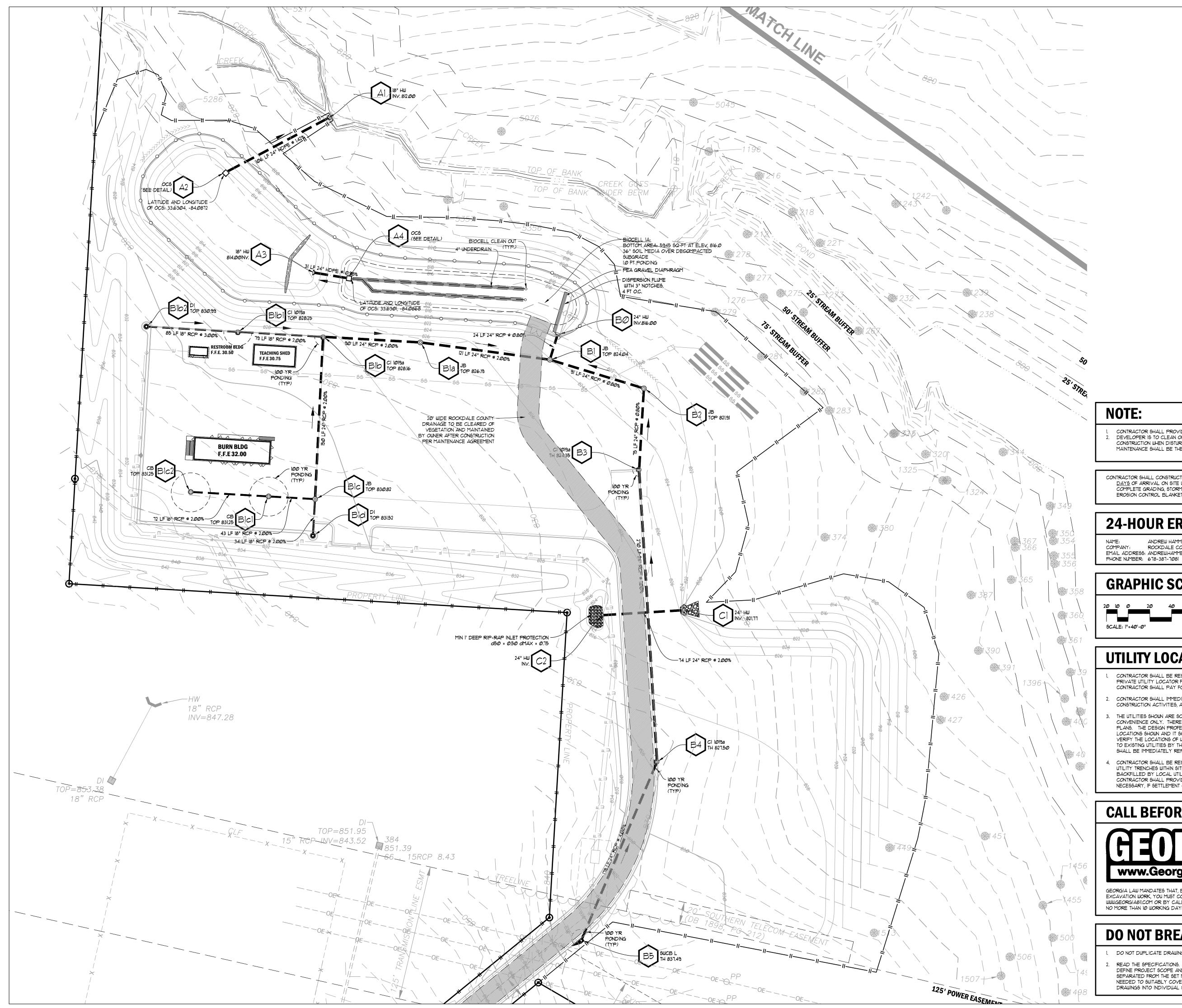
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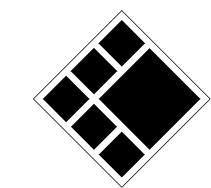
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GRADING & DRAINAGE PLAN ROADWAY

Sheet No.







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CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS. DEVELOPER IS TO CLEAN OUT ACCUMULATED SILT IN DETENTION POND AT END OF CONSTRUCTION WHEN DISTURBED AREAS HAVE BEEN STABILIZED. REGULAR MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE COUNTY.

CONTRACTOR SHALL CONSTRUCT THE DETENTION BASIN WITHIN <u>CALENDAR</u>

<u>DAYS</u> OF ARRIVAL ON SITE WITH CONSTRUCTION EQUIPMENT. THIS INCLUDES

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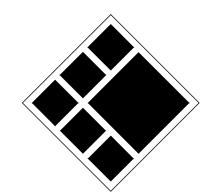
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Sheet Title

STORM DRAINAGE PLAN

Sheet No.





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24-HOUR EROSION CONTACT

NAME: ANDREW HAMMER

COMPANY: ROCKDALE COUNTY BOC

EMAIL ADDRESS: ANDREW.HAMMER®ROCKDALECOUNTYGA.GOV

PHONE NUMBER: 618-381-1081

PIPE PROFILE LEGEND

25 YR HYDRAULIC GRADE LINE (HGL)
REINFORCED CONCRETE PIPE (CLASS IV)
DUCTILE IRON PIPE (CLASS 50)
HIGH-DENSITY POLYETHYLENE PIPE
ALUMINIZED STEEL TYPE 2

ALUMINIZED STEEL TYPE 2 SMOOTH BORE

POLYVINYL CHLORIDE PIPE (SCHEDULE 40)

EXISTING GRADE PROPOSED GRADE

(MANNING'S n=0.012)

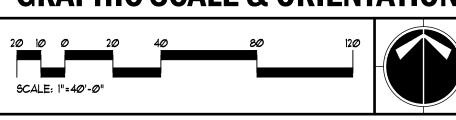
JUNCTION BOX

DROP INLET (PEDESTAL TOP.

SINGLE WING CATCH BASIN
DOUBLE WING CATCH BASIN
CATCH BASIN
BEE HIVE CATCH BASIN
CURB INLET (GA. D.O.T. STD.)
FLARED END SECTION
SAFETY END SECTION
INVERT ELEVATION
HYDRAULIC GRADE LINE

AST2-SB

GRAPHIC SCALE & ORIENTATION



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ROCKDALE COUNTY FI TRAIINNG CAMPUS

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2 09/07/2023

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22051

Sheet Title

PIPE PROFILES

Sheet No.

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City/County: ROCKDALE COUNTY

Included

Y/N

YES

N/A*

YES

YES

Page #

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C401

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C700

C430

N/A

SWCD: ROCKDALE COUNTY Project Name: ROCKDALE COUNTY FIRE TRAINING CAMPUS | Address: XXXX SW HIGHWAY 212, CONYERS, GA, 30012

Date on Plans: 05-05-2023

TO BE SHOWN ON ES&PC PLAN The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the year in which the land-disturbing activity was permitted. Level II certification number issued by the Commission, signature and seal of the certified design professional. Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist and the GAEPD approval letter.*

The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls. Provide the name, address, email address, and phone number of primary permittee. Note total and disturbed acreages of the project or phase under construction. Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.

Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions. Description of the nature of construction activity and existing site conditions. Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary. Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.

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. 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. * 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. 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." yes 16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required. Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional." * Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section

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." 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.' Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or

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.2.A-v 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

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.*

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.* Provide BMPs for the remediation of all petroleum spills and leaks.

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.* Description of practices to provide cover for building materials and building products on site.*

YES 30 Provide complete requirements of inspections and record keeping by the primary permittee.*

YES 31 Provide complete requirements of Sampling Frequency and Reporting of sampling results.

28 Description of the practices that will be used to reduce the pollutants in storm water discharges.* 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)

Provide complete details for Retention of Records as per Part IV.F. of the permit. 33 Description of analytical methods to be used to collect and analyze the samples from each location. YES 34 Appendix B rationale for NTU values at all outfall sampling points where applicable. Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged. 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.* ALL ESPC YES 37 Graphic scale and North arrow.

> Ground Slope Contour Intervals, ft. 1 inch = 100ft or Flat 0 - 2% 0.5 or 1 Rolling 2 - 8% larger scale 1 or 2 Steep 8% + 2,5 or 10

Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as

Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:

certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission). N/A Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & N/A N/A Sediment Control in Georgia 2016 Edition.* Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by YES C410-C430 the Local Issuing Authority. Clearly note and delineate all areas of impact.

N/A Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site. N/A **HYDRO** 43 Delineation and acreage of contributing drainage basins on the project site. 44 | Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.* **HYDRO** 45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed. Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion.

Identify/Delineate all storm water discharge points.

47 | Soil series for the project site and their delineation. 48 The limits of disturbance for each phase of construction. Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention

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

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. 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. Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place

and for the appropriate geographic region of Georgia. *If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be

GSWCC LEVEL II CERTIFICATIONS

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.

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 CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER

GSWCC CERTIFICATION NO. LEVEL 11 * 0000029448 EXPIRATION DATE: Ø3-29-2024 COMPANY: BREEDLOVE LAND PLANNING, INC.

24-HOUR EROSION CONTACT

ANDREW HAMMER COMPANY: ROCKDALE COUNTY BOC EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV PHONE NUMBER: 678-387-7081

PRIMARY PERMITTEE

ANDREW HAMMER COMPANY: ROCKDALE COUNTY BOC EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV PHONE NUMBER: 678-387-7081

PLAN SUBMITTAL SUMMARY (8)

ENTITY REQUESTING REVISION: I. INITIAL SUBMITTAL DATE: Ø1/31/2023 ROCKDALE COUNT 2. LDP RESUBMITTAL *Ø*9/*Ø*7/2*Ø*23

CONSTRUCTION ACTIVITY

EXISTING CONDITIONS SUMMARY:
THE SITE IS CURRENTLY AN UNDEVELOPED, WOODED AREA.

PROPOSED CONDITIONS SUMMARY THIS PROJECT PROPOSES TO CONSTRUCT A FIRE TRAINING FACILITY. SITE IMPROVEMENTS INCLUDE NEW PARKING, DRIVES, HARDSCAPES, RETAINING WALLS, A STORMWATER MANAGEMENT FACILITY, SEVERAL AUXILIARY BUILDINGS, AND CONSTRUCTION OF NEW STORMWATER MEASURES FOR DETENTION AND RUNOFF REDUCTION.

PROJECT RECEIVING WATERS (1)

INITIAL PROJECT RECEIVING WATERS: UNNAMED TRIBUTARY OF HONEY CREEK RECEIVING WATERS SUPPORT: WARM WATER FISHERIES

SUMMARY OF NEIGHBORING AREAS AND PROJECT EFFECTS: POST-DEVELOPED RUNOFF FROM THE PROJECT SITE WILL BE MINIMALLY CHANGED B THE PROPOSED DEVELOPMENT. WATER QUALITY MEASURES WILL BE EMPLOYED TO ACHIEVE 80% 199 REMOVAL, AS REQUIRED BY ROCKDALE COUNTY. NO ADVERSE IMPACTS ARE ANTICIPATED AS A RESULT OF THE PROJECT DEVELOPMENT.

INITIAL EROSION INSPECTION (14)

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 1 DAYS AFTER INSTALLATION. THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL WHO PREPARED

THE PLAN, EXCEPT WHEN THE PRIMARY PERMITTEE HAS REQUESTED IN WRITING AND E.P.D. HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS.

THE DESIGN PROFESSIONAL SHALL DETERMINE IF THESE BMPS HAVE BEEN INSTALLED AND ARE BEING MAINTAIN AS DESIGNED

THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE (AND OPERATOR) WITHIN SEVEN (1) DAYS AND THE PERMITTEI (AND OPERATOR) 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.

STREAM BUFFERS

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.

DESCRIPTION OF BUFFER ENCROACHMENTS: THIS PROJECT DOES NOT PROPOSE ANY BUFFER ENCROACHMENTS. NO VARIANCES FROM E.P.D. OR THE U.S.A.C.O.E. ARE REQUIRED.

15 (16)

PLAN REVISIONS

AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN

SEE PART IV. C. KEEPING PLANS CURRENT. THE PRIMARY PERMITTEE SHALL AMEND APPROVED PLANS WHERE 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 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 THE DESIGN PROFESSIONAL

GSWCC REQUIRED NOTES

THE DESIGN PROFESSIONAL WHO PREPARED THE ESEPC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPS WITHIN 1 DAYS AFTER INSTALLATION.

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.

AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN

WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE

INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES

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.

PRIOR TO LAND DISTURBING ACTIVITIES.

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



SPILL PREVENTION & CONTROL

- LOCAL, STATE, & MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED & PROCEDURES SHALL BE MADE AVAILABLE TO
- MATERIAL & EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS & EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS DISTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST & PROPERLY LABELED PLASTIC & METAL WASTE CONTAINERS. SPILL PREVENTION PRACTICES & PROCEDURES SHALL BE REVIEWED AFTER A
- SPILL & ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS. ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS SHALL BE REPORTED AS REQUIRES BY LOCAL, STATE & FEDERAL REGULATIONS. FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) SHALL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC SHALL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802 FOR SPILLS GREATER THAN 25 GALLONS & NO SURFACE WATER IMPACTS OCCUR, THE GEORGIA E.P.D. SHALL BE CONTACTED WITHIN 24 HOURS.

FOR SPILLS LESS THAN 25 GALLONS & NO SURFACE WATER IMPACTS OCCUR, THE SPILL SHALL BE CLEANED UP & LOCAL AGENCIES SHALL BE CONTACTED AS THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY

GREATER THAN 660 GALLONS. THE CONTRACTOR SHALL NEED A SPILL PREVENTION

CONTAINMENT & COUNTERMEASURES PLAN PREPARED BY THE LICENSED

POST-CONSTR. STORMWATER (26)

CONSTRUCTION OF THE PROPOSED PROJECT WILL YIELD AN INCREASE IN IMPERVIOUS AREA AND FLOWS COMPARED TO EXISTING CONDITIONS.

THEREFORE THIS PROJECTS WILL INCLUDE THE CONSTRUCTION OF AN ABOVE-GROUND DETENTION POND TO REDUCE THE POST-DEVELOPED STORMWATER DISCHARGES TO LESS THAN PRE-DEVELOPED CONDITIONS.

ADDITIONALLY, BIORETENTION CELLS WILL BE CONSTRUCTED TO PROVIDE WATER QUALITY TREATMENT & RUNOFF REDUCTION.

OUTFALLS WILL BE PROTECTED FROM EXCESSIVE DISCHARGE VELOCITIES BY USING PIPES AT 1.0% SLOPE OR LESS WITH STORM DRAIN OUTLET PROTECTION.

CONSTR. MATERIAL STORAGE

FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRAS-LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE, AND OTHER MATERIALS PRESENT ON THE SITE, CONTRACTOR SHALL PROVIDE COVER (E.G. PLASTIC SHEETING, TEMPORARY ROOFS, OR OTHER METHODS TO THE SATISFACTION OF THE INSPECTOR) TO MINIMIZE THE EXPOSURE OF THESE PRODUCTS TO PRECIPITATION AND TO STORMWATER, OR SHALL PROVIDE A SIMILARLY EFFECTIVE MEANS DESIGNED TO MINIMIZE THE DISCHARGE OF POLLUTANTS FROM THESE AREAS. MATERIALS SHALL BE STORED IN LOCATIONS WHICH ARE PROTECTED DOWNSTREAM BY BMPS INCLUDED ON THE EROSION PLANS PRIOR TO DISCHARGE FROM THE CONSTRUCTION SITE. MINIMIZATION OF EXPOSURE IS NOT REQUIRED IN CASES WHERE EXPOSURE TO PRECIPITATION AND TO STORMWATER WILL NOT RESULT I 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).

PRODUCT SPECIFIC PRACTICES

- PETROLEUM BASED PRODUCTS CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS, AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ONSITE VEHICLES AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATERS, NATURAL DRAINS, AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS, AND LUBRICANTS IS PROHIBITED PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SUITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.
- PAINTS/FINISHES/SOLVENTS ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT. MATERIALS USED WITH THESE PRODUCTS, AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND
- CONCRETE TRUCK WASHING NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE. FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT D NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.
- BUILDING MATERIALS NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

INSPECTION & RECORD KEEPING

INSPECTION AND RECORD KEEPING REQUIREMENTS BELOW ARE LISTED IN ACCORDANCE WITH PART IV. D. 4. a OF THE GAR 100001 STAND-ALONE PERMIT.

- 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.
- MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABLIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY, THE DATA COLLECTED FOR THE PURPOSE 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 SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
- CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (1) 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 IIIATER(S) FOR AREAS OF A SITE THAT HAVE INDERGONE FINAL STABILIZATION, OR ESTABLISHED A CROP OF ANNUAL YEGETATION AND 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.
- 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 HAS BEEN SUBMITTED) THE AREAS OF THE SITE THA 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).
- 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 (1) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN (1) CALENDAR DAYS FOLLOWING EACH
- A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, AND 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 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, 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.

SAMPLING FREQUENCY

REQUIREMENTS FOR SAMPLING FREQUENCY ARE LISTED BELOW IN ACCORDANCE WITH PART IV. C. 6. d OF THE GAR 100001 STAND-ALONE PERMIT.

A, 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 STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM 4 MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS

2. HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL. THE PRIMARY PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORMWATER DISCHARGE.

3. SAMPLING BY THE PRIMARY PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS a. FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING

WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS 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 STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST. c. At the time of SAMPLING PERFORMED PURSUANT TO (A) AND (B)

ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY

DESIGNED, INSTALLED AND MAINTAINED. d. WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEEE, IN ACCORDANCE WITH THE 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 BUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE.

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.

REPORTING OF SAMPLING



REQUIREMENTS FOR REPORTING OF SAMPLING POINTS ARE LISTED BELOW IN ACCORDANCE WITH PART IV. E OF THE GAR 100001 STAND-ALONE PERMIT.

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, EPI MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORMWATER DISCHARGE(S OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMIL AR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2 SAMPLING REPORTS MUS BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A "NOT" IS SUBMITTED IN ACCORDANCE WITH PART VI.

ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION: a. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR

- MEASUREMENTS . THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE
- SAMPLING AND MEASUREMENTS
- 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
- REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED 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

CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE

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 TH 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

RETENTION OF RECORDS

NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

REQUIREMENTS FOR REPORTING OF SAMPLING POINTS ARE LISTED BELOW ACCORDANCE WITH PART IV. F OF THE GAR 100001 STAND-ALONE PERMIT.

RETENTION OF RECORDS

THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION

UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI:

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

a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD

- 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 I 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 ACCORDANCE WITH PART IV..D.4.A.(2) OF THIS PERMIT. 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 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

NTU LIMIT RATIONALE

REFER TO APPENDIX 'B' WITHIN THE NPDES GAR 100001 PERMIT FOR NTU LIMIT CHART BASED ON STREAM TYPE SUPPORTING WARM WATER FISHERIES OR TROUT STREAMS.

SIZE OF CONSTRUCTION SITE: 12.42 ACRES SURFACE WATER DRAINAGE AREA: 0-4.99 SQUARE MILES

TYPE OF RECEIVING WATER: SUPPORTING WARM WATER FISHERIES

APPENDIX B Nephelometric Turbidity Unit (NTU) TABLES Warm Water (Supporting Warm Water Fisheries) Surface Water Drainage Area, square miles

(0-4.99) 5-9.99 10-24.99 25-49.99 50-99.99 100-249.99 250-499.99 500-750 25.01-50 50.01-100 300 100.01+ 200

To use these tables, select the size (acres) of the construction site. Then, select the surface water drainage area (square miles). The NTU matrix value arrived at from the above tables is the one to use in Part III.D.4.

CONSTRUCTION SCHEDULE (29)

PROJECT NAME: ROCKDALE COUNTY FIRE TRAINING FACILITY MAJOR SOIL-DISTURBING ACTIVITY

- PRE-CONSTRUCTION MEETING WITH OWNER/LIA INSTALL CONSTRUCTION ENTRANCE/EXIT FENCE TREE SAVE AREAS & LIMITS OF WORK INSTALL INITIAL EROSION CONTROL MEASURES
- INITIAL BMP INSPECTION (AKA: ISSUE 1-DAY LETTER) SITE PREPARATION & DEMOLITION INSTALL INTERMEDIATE EROSION CONTROL MEASURES GRADING OPERATIONS

FINE-GRADING & TOPSOIL DISTRIBUTION

- STORM DRAIN & UTILITY INSTALLATION 10. CURB AND PAYING INSTALLATION BUILDING DEMOLITION & CONSTRUCTION INSTALL FINAL EROSION CONTROL MEASURES
- SITE LANDSCAPING FINAL GRASSING 6. SITE CLEANUP PUNCH-LIST & FINAL INSPECTIONS
- 8. MAINTAIN ALL EROSION CONTROL BMPs 19. REMOVAL OF TEMPORARY EROSION CONTROL MEASURES

MONTHS 8-11 MONTHS 10-15 MONTHS 4-18 MONTHS 14-18 **MONTHS 14-17** MONTH 19 MONTHS 14-18 MONTH 18 MONTH 18 MONTH 1-18 MONTH 18

<u>OCCURRENCE</u>

MONTH 1

MONTH 1

MONTH 1

MONTH 1

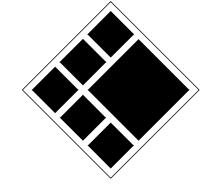
MONTHS 2-5

MONTHS 6-9

MONTH 6



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BLP PROJ. NO. 22158



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ROCKDALE COUN COMMISSIONERS

PRINT RECORD No. DATE **DESCRIPTION** 1 07/31/2023 LDP SUBMITTAL 09/07/2023 LDP RESUBMITTAL

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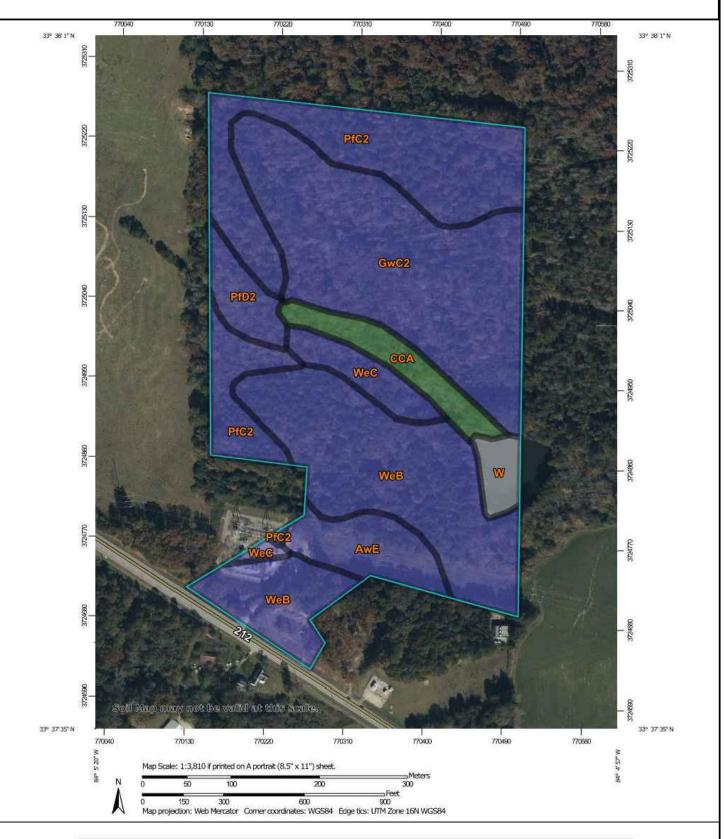
NPDES NOTES

Sheet No.

Sheet Title

Date

SOIL SURVEY MAP



Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AwE	Ashlar-Pacolet- Wedowee complex, 15 to 25 percent slopes	В	2.7	5.7%
CCA	Cartecay and Chewacla soils, frequently flooded	A/D	2.2	4.7%
GwC2	Gwinnett sandy clay loam, 6 to 10 percent slopes, eroded	В	14.0	29.7%
PfC2	Pacolet sandy clay loam, 2 to 10 percent slopes, eroded	В	10.5	22.2%
PfD2	Pacolet sandy clay loam, 10 to 15 percent slopes, moderately eroded	В	1.6	3.4%
w	Water		1.0	2.1%
WeB	Wedowee sandy loam, 2 to 6 percent slopes	В	13.1	27.9%
WeC	Wedowee sandy loam, 6 to 10 percent slopes	В	2.0	4.2%
Totals for Area of Inter	rest		47.1	100.0%

1. SAMPLE CONTAINERS SHALL BE LABELED PRIOR TO COLLECTING THE SAMPLES.

GEORGIA UNIFORM CODING SYSTEM

FOR SOIL EROSION AND SEDIMENT **CONTROL PRACTICES GEORGIA**

PRACTICE

CHECKDAM

STABILIZATION

CONSTRUCTION

CONSTRUCTION

STABILIZATION STREAM DIVERSION CHANNEL

DIVERSION

TEMPORARY

DOWNDRAIN STRUCTURE PERMANENT DOWNDRAIN

STRUCTURE

STABILIZATION STRUCTURE

> ROCK FILTER DAM

RETAINING

SEDIMENT

SEDIMENT TRAP

TEMPORARY

SEDIMENT BASIN TEMPORARY SEDIMENT TRAP

FI OATING

SEEP BERM

33

SURFACE SKIMMER

Re

(Sd2)

CODE

(Co

SOIL AND WATER CONSERVATION COMMISSION STRUCTURAL PRACTICES

	1 1			
IAP MBOL		CODE	PRACTICE	MAP SYMBOL
		Sr	TEMPORARY STREAM CROSSING	Sr (LABEL)
		St	STORMDRAIN OUTLET PROTECTION	St
(LABEL)		Su	SURFACE ROUGHENING	⊢Su ⊢
نېن		TC	TURBIDITY CURTAIN	Tc
		Tp	TOPSOILING	(SHOW STRIPING AND STORAGE AREAS)
		(Fr	TREE PROTECTION	(DENOTE TREE CENTERS)
(LABEL)		Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL	<u>←</u> ←
(LABEL)		\	/EGETATI\	/E

ABEL)	VEGETATIVE PRACTICES							
_	CODE	PRACTICE	MAP SYMBOL					
		,						
ABEL)	Bf	BUFFER ZONE	Bf (LABEL)					
]	Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)	Cs					
	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1					
ABEL)	Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)	Ds2					
- ABEL)	Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	Ds3					
TYPE)	Ds4	DISTURBED AREA STABILIZATION (SODDING)	Ds4					
)	Du	DUST CONTROL ON DISTURBED AREAS	Du					
d3)	FI-Co	FLOCCULANTS AND COAGULANTS	FI-Co					
>	Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)	Sb					
- ABEL)	Ss	SLOPE STABILIZATION	Ss					
9	Too	TACKIFIERS AND	Тоо					

BINDERS

APPENDIX 1

THE ES&PC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPS FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO A IMPAIRED STREAM

			The four items chosen must be appropriate for the site conditions.
Plan	Included		
Page #	Y/N		
N/A	NO	a.	During construction activities, double the width of the 25 foot undisturbed vegetated buffer along all State waters requiring a buffer and the 50 foot undisturbed vegetated buffer along all State waters classified as "trout streams" requiring a buffer. During construction activities, EPD will not grant variances to any such buffers that are increased in width.
N/A	NO	b.	Increase all temporary sediment basins and retrofitted storm water management basins to provide sediment storage of at least 3600 cubic feet (134 cubic yards) per acre drained.
N/A	NO	C.	Use baffles in all temporary sediment basins and retrofitted storm water management basins to at least double the conventional flow path length to the outlet structure.
N/A	NO	d.	A large sign (minimum 4 feet x 8 feet) must be posted on site by the actual start date of construction. The sign must be visible from a public roadway. The sign must identify the following: (1) construction site, (2) the permittee(s), (3) the contact person(s) and telephone number(s), and (4) the permittee-hosted website where the Plan can be viewed must be provided on the submitted NOI. The sign must remain on site and the Plan must be available on the provided website until a NOT has been submitted.
N/A	NO	e.	Use flocculants or coagulants and/or mulch to stabilize areas left disturbed for more than seven (7) calendar days in accordance with Section III. D.1. of the NPDES Permit.
N/A	NO	f.	Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exceptions specified in Section IV.D.6.d. of the NPDES Permits.
N/A	NO	g.	Comply with the applicable end-of-pipe turbidity effluent limit, without the "BMP defense" as provided for in O.C.G.A. 12-7-6 (a)(1).
N/A	NO	h.	Reduce the total planned site disturbance to less than 50% impervious surfaces (excluding any State-mandated buffer areas from such calculations). All calculations must be included on the Plan.
N/A	NO	i.	Limit the amount of disturbed area at any one time to no greater than 25 acres or 50% of the total planned site, whichever is less. All calculations must be included on the Plan.
N/A	NO	j.	Use "Dirt II" techniques available on the EPD website to model and manage construction storm water runoff (including sheet flow). All calculations must be included on the Plan. (https://epd.georgia.gov/erosion-and-sedimentation)
N/A	NO	k.	Add appropriate organic soil amendments (e.g., compost) and conduct pre- and post-construction soil sampling to a depth of six (6) inches to document improved levels of soil carbon after final stabilization of the construction site.
N/A	NO	I.	Use mulch filter berms, in addition to a silt fence, on the site perimeter wherever construction storm water (including sheet flow) may be discharged. Mulch filter berms cannot be placed in waterways or areas of concentrated flow.
N/A	NO	m.	Use appropriate erosion control slope stabilization instead of concrete in all construction storm water ditches and storm drainages designed for a 25 year, 24 hour rainfall event.
N/A	NO	n.	Use flocculants or coagulants under a passive dosing method (e.g., flocculant blocks) within construction storm water ditches and storm drainages that feed into temporary sediment basins and retrofitted management basins.
N/A	NO	0.	Install sod for a minimum 20 foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever storm water (including sheet flow) may be discharged.
N/A	NO	p.	Conduct soil tests to identify and to implement site-specific fertilizer needs.
N/A	NO	q.	Certified personnel for primary permittees shall conduct inspections at least twice every seven (7) calendar days and within 24 hours of the end of the storm that is 0.0 inches rainfall or greater in accordance with Section IV.D.4.a.(3)(a) – (c); secondary permittees, Section IV.D.4.b.(3)(a) – (c); and tertiary permittees Section IV.D.4.c.(3)(a) – (c) *
N/A	NO	r.	Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity.
N/A	NO	S.	Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). (If using this item please refer to the Alternative BMP guidance document found at www.gaswcc.georgia.gov) * This requirement is different for infrastructure projects: Certified personnel for primary permittees shall conduct inspections at least once every fourteen (14) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Section IV.D.4.a.(3)(a) – (c) of this permit.
N/A	NO	t.	Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any state mandated buffer areas from such calculations). All calculations

Conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase of the project by the design professional who prepared

The Plan must include a statement that the primary permittee must retain the design professional who prepared the Plan to conduct inspections during the intermediate grading and drainage BMP phase

Install Post Construction BMPs (e.g., runoff reduction BMPs) which remove 80% TSS as outlined in the Georgia Stormwater Management Manual known as the Blue

IMPAIRED STREAM SEGMENT (22)

THIS SITE WILL / WILL NOT DISCHARGE STORM WATER FROM ANY CONSTRUCTION ACTIVITY INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN I LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED

IF ANY STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES DISCHARGED INTO AN IMPAIRED STREAM SEGMENT THAT HAS BEEN LISTED FOR THE CRITERIA VIOLATED, BIO 'F' (IMPAIRED FISH COMMUNITY) AND / OR 'BIO M' (IMPAIRED MACROVERTIBRATE COMMUNITY), WITHIN CATEGORY 4A, 4B, OR 5, AND THE POTENTIAL CAUSE IS EITHER "NP" (NONPOINT SOURCE) OR "UR" (URBAN RUNOFF), THE ES&PC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE BMPS LISTED IN PART III.C.2 (A) THRU (T) OF THE PERMIT.

SEE APPENDIX I INCLUDED WITH THESE PLANS FOR FOUR (4) ADDITIONAL BMPS TO BE IMPLEMENTED WITH THIS PROJECT.

THE NEAREST IMPAIRED STREAM DOWNSTREAM OF THE PROJECT SITE IS THE SNAPPING SHOALS CREEK, BUT SEGMENT IS BEYOND THE LIMITS OF THIS PROJECT

PRE- vs. POST RUNOFF

STREAM SEGMENT.

REFER TO STORMWATER MANAGEMENT REPORT FOR DETAILED ANALYSIS OF PRE-DEVELOPED RUNOFF CONDITIONS, POST-DEVELOPED RUNOFF CONDITIONS, AND CONTROLS DESIGNED TO CHANGES IN SITE CONDITIONS DUE TO DEVELOPMENT (I.E. WATER QUALITY, CHANNEL PROTECTION, AND / OR DETENTION).

PRE-DEVELOPED RUNOFF COEFFICIENT (CURVE NUMBER): 66

POST-DEVELOPED RUNOFF COEFFICIENT (CURVE NUMBER): 82 SUMMARY OF POST-DEVELOPMENT STORMWATER CONTROLS USED:

THIS PROJECT WILL INSTALL AND UNDERGROUND STORMWATER MANAGEMENT FACILITY THAT WILL PROVIDE BOTH INFILTRATION FOR WATER QUALITY AND DETENTION FOR PEAK FLOWS.

SAMPLE METHODS

- ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES SHALL 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 STORMWATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY
- 2. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER. 3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHALL BE USED FOR COLLECTING SAMPLES. THE JARS SHALL BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.
- 4. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHALL BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS SHALL 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 THE 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 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 STORMWATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:
 - 1a. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORMWATER 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. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORMWATER DISCHARGE NOT
 - TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE. IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL

ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED

- CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER CHANNEL.
- THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM. THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.
- PERMITTEES DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 10% 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) 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 STORMWATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D4., WHICHEVER IS APPLICABLE.

GSWCC LEVEL II CERTIFICATIONS

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.

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 I 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

DATE: Ø7-27-2Ø23

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER GSWCC CERTIFICATION NO. LEVEL II * 0000029448 EXPIRATION DATE: Ø3-29-2024 COMPANY: BREEDLOVE LAND PLANNING, INC.



GSWCC CHECKLIST LEGEND



24-HOUR EROSION CONTACT 4

COMPANY: ROCKDALE COUNTY BOC EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV

PHONE NUMBER: 678-387-7081

DO NOT BREAK OR DUPLICATE

- 1. DO NOT DUPLICATE DRAWINGS WITHOUT PERMISSION.
- READ THE SPECIFICATIONS. THIS SET OF DRAWINGS AND SPECIFICATIONS DEFINE PROJECT SCOPE AND CONTRACT REQUIREMENTS. INDIVIDUAL SHEETS SEPARATED FROM THE SET MAY NOT ADEQUATELY REFLECT ALL INFORMATION NEEDED TO SUITABLY COVER CERTAIN ITEMS. DO NO SEPARATE THIS SET OF DRAWINGS INTO INDIVIDUAL SHEETS.



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ROCKDALE COUN COMMISSIONERS

PRINT RECORD No. DATE **DESCRIPTION** 1 07/31/2023 LDP SUBMITTAL 2 09/07/2023 LDP RESUBMITTAL

Drawn By Checked By Checker Date Job No.

NPDES NOTES

Sheet No.

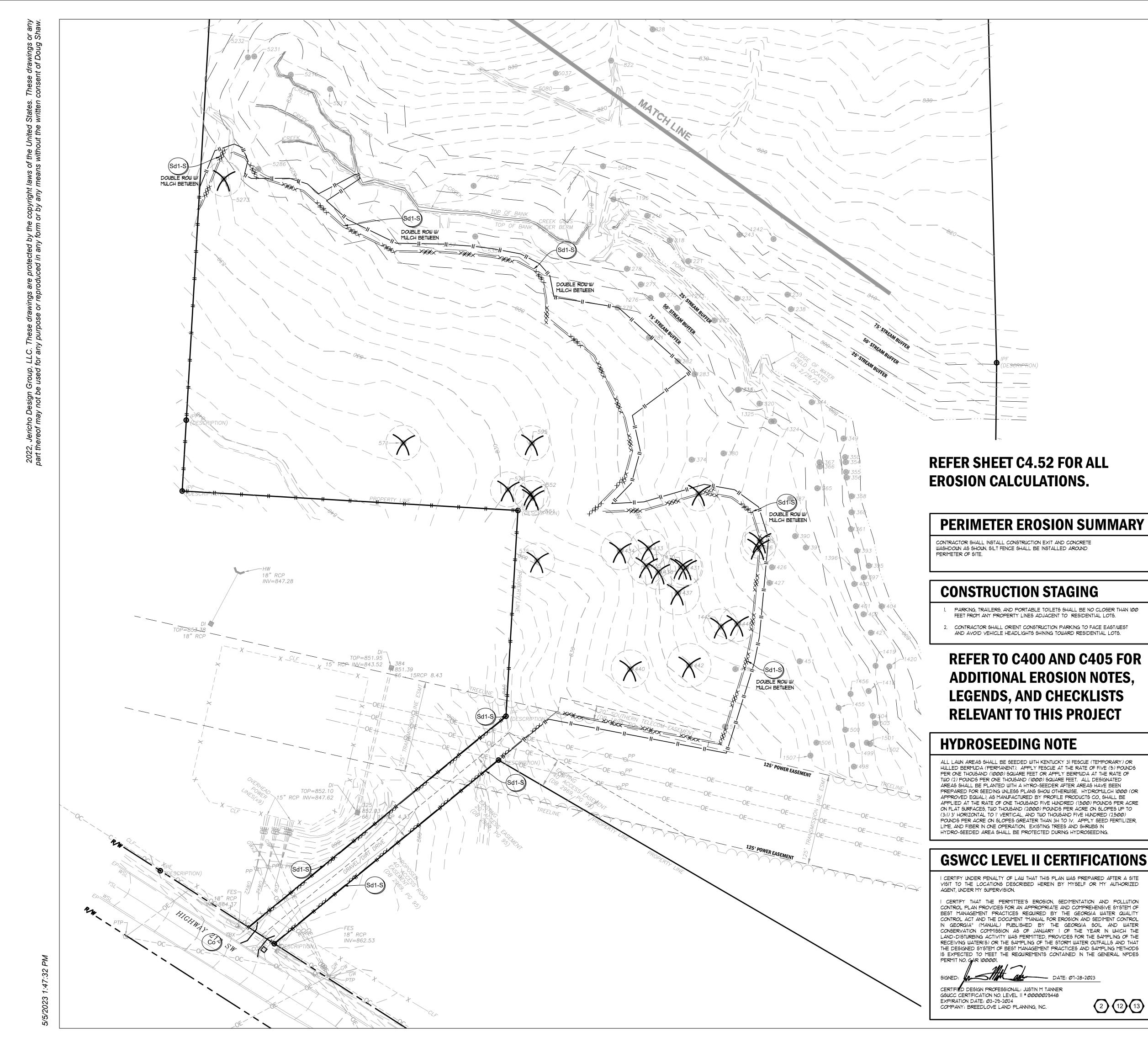
Sheet Title

NOT RELEASED FOR CONSTRUCTION

the Plan in accordance with Section IV.A.5 of the permit.

Book or an equivalent or more stringent design manual.

and during the final BMP phase.



DISTURBED AREA

TOTAL SITE AREA: 12.45 AC DISTURBED AREA: 0.66 AC

GENERAL EROSION NOTES

NOTIFY CITY/COUNTY INSPECTORS 24 HOURS BEFORE BEGINNING OF EVERY CONSTRUCTION PHASE.

- ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND
- THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES AND CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUNDCOVER IS ESTABLISHED.
- ALL SEDIMENT BARRIERS SHALL BE INSTALLED PRIOR TO ANY GRADING. SEDIMENT BARRIER DEVICES SHALL BE INSPECTED AND REPAIRED OF

DAMAGE DAILY. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND

- ALL DISTURBED AREAS SHALL BE GRASSED AS SOON AS CONSTRUCTION
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION OR AS REQUIRED BY CITY/COUNTY AT NO ADDITIONAL COST TO THE OWNER.
- MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OF PERMANENT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR/OWNER.
- ANY DISCREPANCY BETWEEN THIS SHEET AND OTHERS IN THIS SET SHALL BE REFERRED TO THE ARCHITECT BY THE CONTRACTOR FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- 10. SEDIMENT STORAGE LEVEL MARKERS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME.
- MAXIMUM CUT OR FILL SLOPE 15 (2:1) 2' HORIZONTAL TO 1' VERTICAL.
- CONTRACTOR SHALL PROVIDE TEMPORARY DOWN DRAINS ON FILL SLOPES TO PREVENT EROSION PRIOR TO STABILIZATION.
- CONTRACTOR SHALL REMOVE ACCUMULATED SEDIMENT FROM DETENTION BASIN AT END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN FULLY
- 14. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
- EROSION CONTROL MEASURES 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 AT NO ADDITIONAL COST TO THE OWNER.
- 16. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

24-HOUR EROSION CONTACT

GRAPHIC SCALE & ORIENTATION

UTILITY LOCATION NOTES

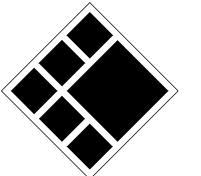
- CONTRACTOR SHALL BE RESPONSIBLE TO SECURE THE SERVICES OF A PRIVATE UTILITY LOCATOR FIRM DURING THE ENTIRE COURSE OF CONSTRUCTION. CONTRACTOR SHALL PAY FOR SAID SERVICES.
 - CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO THE OWNER.
- THE UTILITIES SHOWN ARE SCHEMATIC AND FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE DESIGN PROFESSIONAL ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO TO EXISTING UTILITIES BY THE CONTRACTOR, FROM HIS/ HER OPERATIONS SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COMPACTION OF BACKFILL OF ALL UTILITY TRENCHES WITHIN SITE WORK LIMITS. THIS INCLUDES TRENCHES DUG AND BACKFILLED BY LOCAL UTILITIES, SUCH AS POWER, GAS, TELEPHONE, ETC. CONTRACTOR SHALL PROVIDE ADDITIONAL BACKFILL AND COMPACTION AS NECESSARY, IF SETTLEMENT OCCURS.

GEORGIA LAW MANDATES THAT, BEFORE BEGINNING ANY MECHANIZED DIGGING OR NO MORE THAN 10 WORKING DAYS IN ADVANCE TO HAVE UTILITY LINES MARKED.

- READ THE SPECIFICATIONS. THIS SET OF DRAWINGS AND SPECIFICATIONS DEFINE PROJECT SCOPE AND CONTRACT REQUIREMENTS. INDIVIDUAL SHEETS SEPARATED FROM THE SET MAY NOT ADEQUATELY REFLECT ALL INFORMATION NEEDED TO SUITABLY COVER CERTAIN ITEMS. DO NO SEPARATE THIS SET OF DRAWINGS INTO INDIVIDUAL SHEETS.



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BLP PROJ. NO. 22158



ANDREW HAMMER ROCKDALE COUNTY BOC COMPANY: EMAIL ADDRESS: ANDREWHAMMER®ROCKDALECOUNTYGAGOV PHONE NUMBER: 618-381-1081

- CONTRACTOR SHALL IMMEDIATELY REPAIR ALL UTILITIES DAMAGED BY
- VERIFY THE LOCATIONS OF UTILITIES WITHIN THE LIMITS OF THE WORK. DAMAGE

CALL BEFORE YOU DIG



EXCAYATION WORK, YOU MUST CONTACT GEORGIA 811 BY USING EREQUEST ON WWW.GEORGIA811.COM OR BY CALLING 811 OR 1-800-282-7411 AT LEAST 48 HOURS BUT

DO NOT BREAK OR DUPLICATE

DO NOT DUPLICATE DRAWINGS WITHOUT PERMISSION.

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PRINT RECORD

DESCRIPTION No. DATE LDP SUBMITTAL 1 07/31/2023 2 09/07/2023 LDP RESUBMITTAL

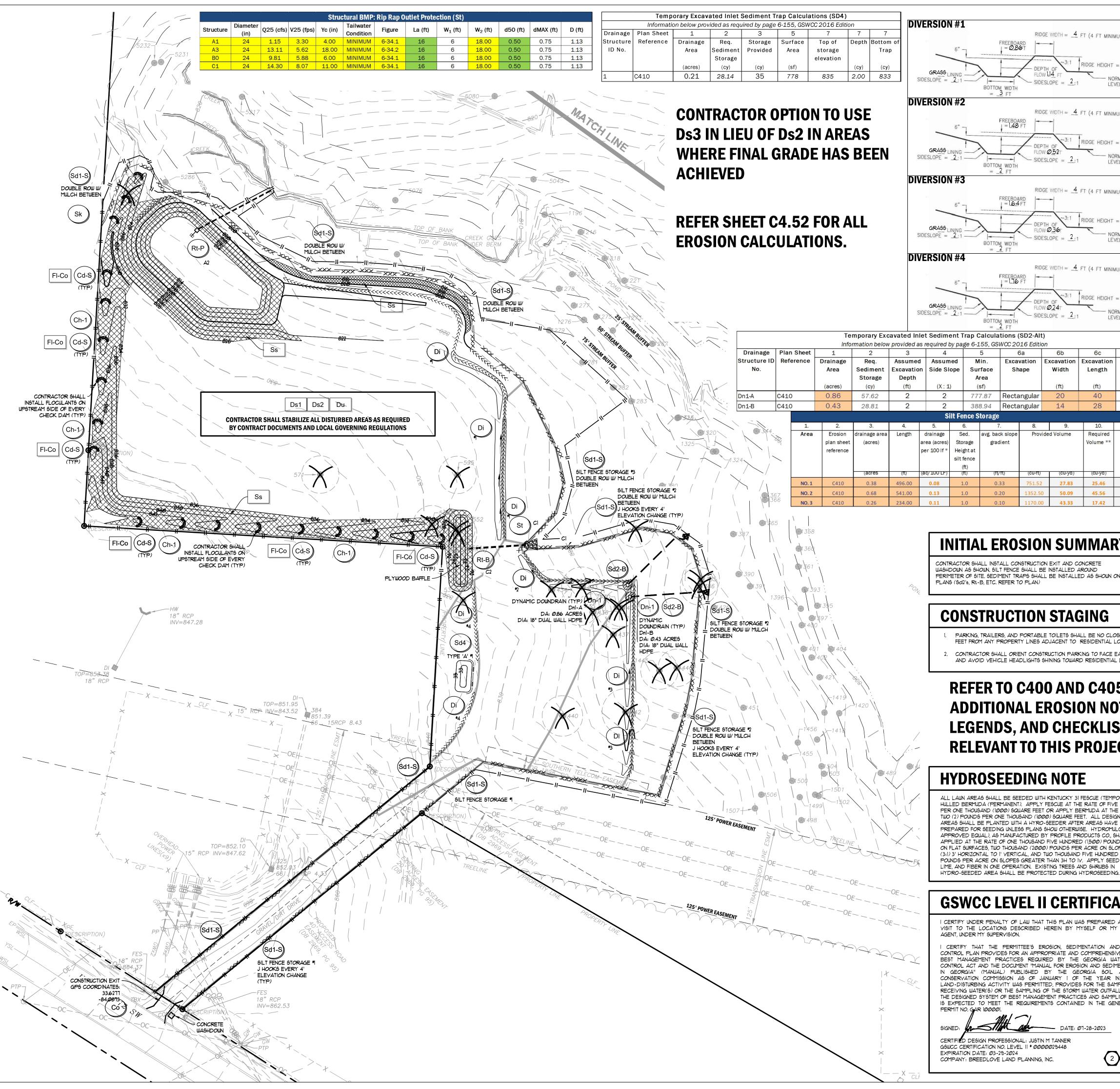
ROCKDALE COUN COMMISSIONERS

Drawn By Checked By Date Job No.

Sheet Title

ES&PC PLAN -PERIMETER PHASE

Sheet No.



RIDGE WIDTH = $\frac{4}{10}$ FT (4 FT MINIMUM) \sim SIDESLOPE = $\frac{2}{1}$:1 RIDGE WIDTH = $\underline{4}$ FT (4 FT MINIMUM) - SIDESLOPE = $\frac{2}{1}$:1 RIDGE WIDTH = $\frac{4}{}$ FT (4 FT MINIMUM) \sim SIDESLOPE = $\frac{2}{1}$:1 RIDGE WIDTH = $\frac{4}{10}$ FT (4 FT MINIMUM) - SIDESLOPE = $\frac{2}{1}$:1

Shape Width Length 777.87 Rectangular 388.94 Rectangular **Silt Fence Storage**

59.26 Sed. avg. back slope Volume >

INITIAL EROSION SUMMARY

CONTRACTOR SHALL INSTALL CONSTRUCTION EXIT AND CONCRETE IASHDOWN AS SHOWN, SILT FENCE SHALL BE INSTALLED ARO PERIMETER OF SITE. SEDIMENT TRAPS SHALL BE INSTALLED AS SHOWN ON PLANS (Sd2's, Rt-B, ETC. REFER TO PLAN)

CONSTRUCTION STAGING

PARKING, TRAILERS, AND PORTABLE TOILETS SHALL BE NO CLOSER THAN 100 FEET FROM ANY PROPERTY LINES ADJACENT TO RESIDENTIAL LOTS.

CONTRACTOR SHALL ORIENT CONSTRUCTION PARKING TO FACE EAST/WEST AND AVOID VEHICLE HEADLIGHTS SHINING TOWARD RESIDENTIAL LOTS.

REFER TO C400 AND C405 FOR ADDITIONAL EROSION NOTES, **LEGENDS, AND CHECKLISTS RELEVANT TO THIS PROJECT**

HYDROSEEDING NOTE

ALL LAWN AREAS SHALL BE SEEDED WITH KENTUCKY 31 FESCUE (TEMPORARY) OR HULLED BERMUDA (PERMANENT), APPLY FESCUE AT THE RATE OF FIVE (5) POUNDS PER ONE THOUSAND (1000) SQUARE FEET OR APPLY BERMUDA AT THE RATE OF TWO (2) POUNDS PER ONE THOUSAND (1000) SQUARE FEET. ALL DESIGNATED AREAS SHALL BE PLANTED WITH A HYRO-SEEDER AFTER AREAS HAVE BEEN PREPARED FOR SEEDING UNLESS PLANS SHOW OTHERWISE. HYDROMULCH 1000 (OR APPROVED EQUAL), AS MANUFACTURED BY PROFILE PRODUCTS CO., SHALL BE APPLIED AT THE RATE OF ONE THOUSAND FIVE HUNDRED (1,500) POUNDS PER ACRE ON FLAT SURFACES, TWO THOUSAND (2000) POUNDS PER ACRE ON SLOPES UP TO (3:1) 3' HORIZONTAL TO 1' VERTICAL, AND TWO THOUSAND FIVE HUNDRED (2,500) POUNDS PER ACRE ON SLOPES GREATER THAN 3H TO IV. APPLY SEED FERTILIZER, LIME, AND FIBER IN ONE OPERATION. EXISTING TREES AND SHRUBS IN

GSWCC LEVEL II CERTIFICATIONS

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

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



CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER GSWCC CERTIFICATION NO. LEVEL II # 0000029448



DISTURBED AREA

GROUNDCOVER IS ESTABLISHED.

TOTAL SITE AREA: 12.45 AC

Provided

GENERAL EROSION NOTES

NOTIFY CITY/COUNTY INSPECTORS 24 HOURS BEFORE BEGINNING OF EVERY CONSTRUCTION PHASE.

DISTURBED AREA: 8.15 AC

- ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND
- THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES AND CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT
- ALL SEDIMENT BARRIERS SHALL BE INSTALLED PRIOR TO ANY GRADING.
- SEDIMENT BARRIER DEVICES SHALL BE INSPECTED AND REPAIRED OF DAMAGE DAILY. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND
- ALL DISTURBED AREAS SHALL BE GRASSED AS SOON AS CONSTRUCTION
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION OR AS REQUIRED BY CITY/COUNTY AT NO ADDITIONAL COST TO THE OWNER.
- MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER TEMPORARY OF PERMANENT, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR/OWNER.
- ANY DISCREPANCY BETWEEN THIS SHEET AND OTHERS IN THIS SET SHALL BE REFERRED TO THE ARCHITECT BY THE CONTRACTOR FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
- . SEDIMENT STORAGE LEVEL MARKERS MUST BE INSTALLED IN SEDIMENT STORAGE STRUCTURES, INDICATING THE 1/3 FULL VOLUME.
- MAXIMUM CUT OR FILL SLOPE IS (2:1) 2' HORIZONTAL TO I' VERTICAL. CONTRACTOR SHALL PROVIDE TEMPORARY DOWN DRAINS ON FILL SLOPES TO

PREVENT EROSION PRIOR TO STABILIZATION.

PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.

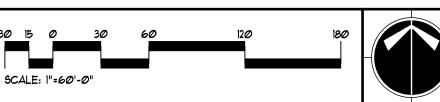
- CONTRACTOR SHALL REMOVE ACCUMULATED SEDIMENT FROM DETENTION BASIN AT END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN FULLY
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND
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- 16. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

24-HOUR EROSION CONTACT

ANDREW HAMMER ROCKDALE COUNTY BOC COMPANY: EMAIL ADDRESS: ANDREWHAMMER®ROCKDALECOUNTYGAGOV

PHONE NUMBER: 618-381-1081

GRAPHIC SCALE & ORIENTATION



UTILITY LOCATION NOTES

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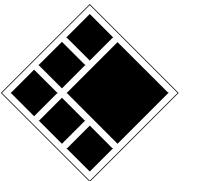
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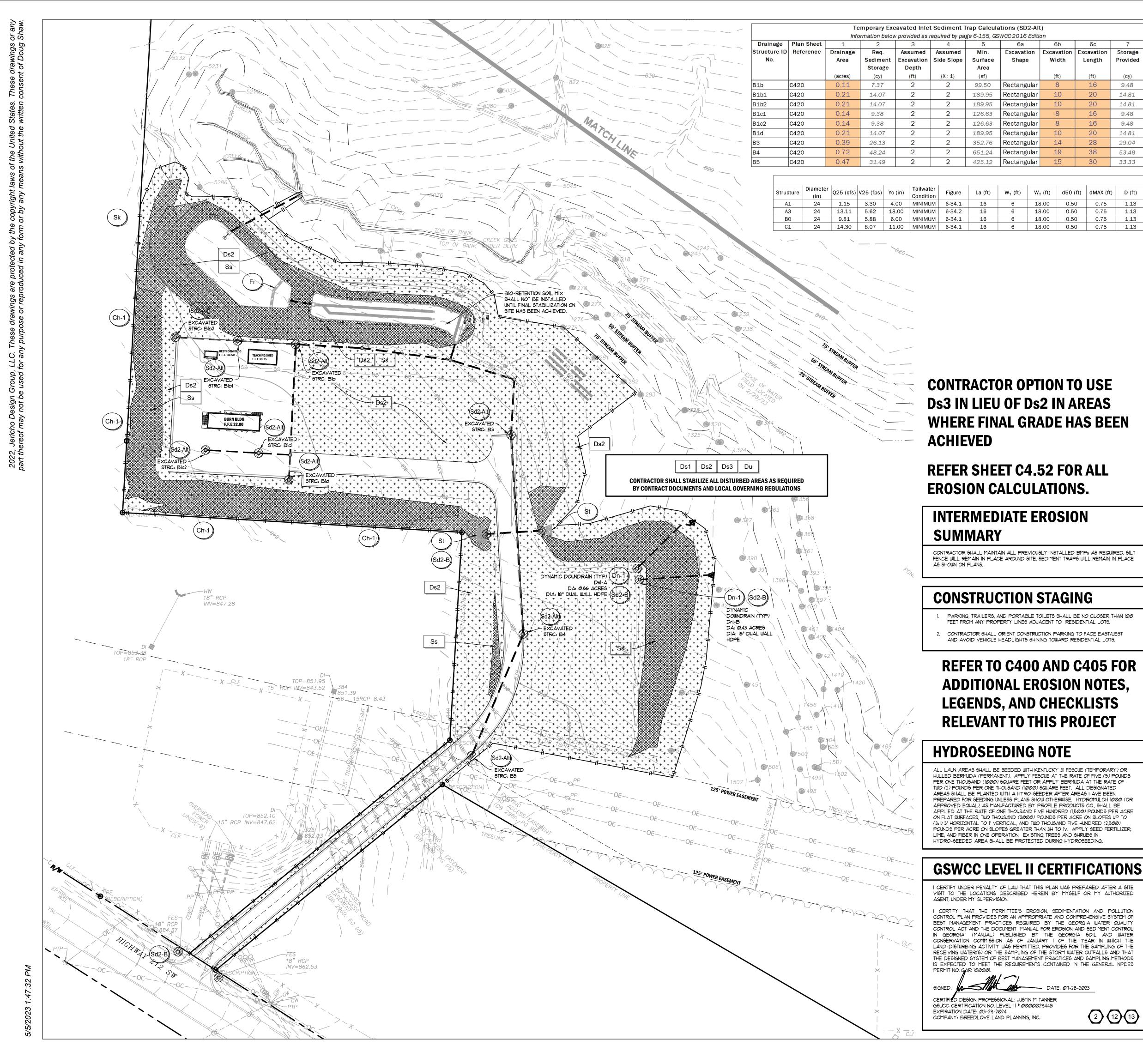
Drawn By **Checked By** Date Job No.

05/05/2023 **Sheet Title**

ES&PC PLAN - INITIAL

PHASE

Sheet No.



DISTURBED AREA

Excavation | Excavation | Storage

Length

9.48

14.81

9.48

29.04

53.48

33.33

Width

DISTURBED AREA: 8.15 AC

GENERAL EROSION NOTES

NOTIFY CITY/COUNTY INSPECTORS 24 HOURS BEFORE BEGINNING OF EVERY CONSTRUCTION PHASE.

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- ALL SEDIMENT BARRIERS SHALL BE INSTALLED PRIOR TO ANY GRADING
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- 14. 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.
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24-HOUR EROSION CONTACT

PHONE NUMBER: 618-381-1081

GRAPHIC SCALE & ORIENTATION

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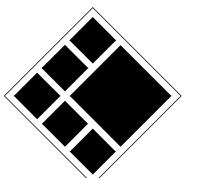
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Drawn By **Checked By** Date Job No.

Sheet Title

ES&PC PLAN -**INTERMEDIATE PHASE**

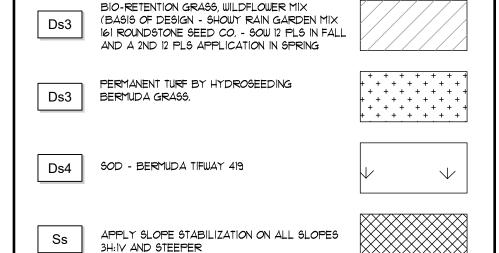
Sheet No.

Structure	Diameter	Q25 (cfs)	\/25 (fnc)	Yc (in)	Tailwater	Figure	La (ft)	W ₁ (ft)	W ₂ (ft)	d50 (ft)	dMAX (ft)	D (f
Structure	(in)	Q25 (CIS)	v≥5 (ips)	10 (111)	Condition	riguie	La (It)	W ₁ (IL)	w ₂ (It)	u50 (It)	UIVIAA (IL)	ן ט (ו
A1	24	1.15	3.30	4.00	MINIMUM	6-34.1	16	6	18.00	0.50	0.75	1.1
АЗ	24	13.11	5.62	18.00	MINIMUM	6-34.2	16	6	18.00	0.50	0.75	1.1
В0	24	9.81	5.88	6.00	MINIMUM	6-34.1	16	6	18.00	0.50	0.75	1.1
C1	24	14.30	8.07	11.00	MINIMUM	6-34.1	16	6	18.00	0.50	0.75	1.1

CONTRACTOR OPTION TO USE Ds3 IN LIEU OF Ds2 IN AREAS WHERE FINAL GRADE HAS BEEN **ACHIEVED**

REFER SHEET C4.52 FOR ALL EROSION CALCULATIONS.

PERMANENT STABILIZATION LEGEND



FINAL EROSION SUMMARY

CONTRACTOR SHALL MAINTAIN ALL PREVIOUSLY INSTALLED BMPS AS REQUIRED. INSTALL CONSTRUCTION ROAD. ALL AREAS SHALL BE STABILIZED WITH AS SHOWN IN

ALL PERVIOUS AREAS OF DISTURBANCE NOT SHOWN TO BE SODDED OR MULCHED SHALL BE PREPPED PER TECHNICAL SPECS AND SEEDED WITH BERMUDA GRASS. (D\$3) FINAL STABILIZATION SHALL MEAN MIN. 70% DENSITY WITH 100% COVERAGE. WHEN STABILIZATION HAS BEEN ACHIEVED IN ACCORDANCE WITH THE NPDES PERMIT

CONSTRUCTION STAGING

PARKING, TRAILERS, AND PORTABLE TOILETS SHALL BE NO CLOSER THAN 100 FEET FROM ANY PROPERTY LINES ADJACENT TO RESIDENTIAL LOTS.

CONTRACTOR SHALL ORIENT CONSTRUCTION PARKING TO FACE EAST/WEST AND AVOID VEHICLE HEADLIGHTS SHINING TOWARD RESIDENTIAL LOTS.

REFER TO C400 AND C405 FOR ADDITIONAL EROSION NOTES, **LEGENDS, AND CHECKLISTS RELEVANT TO THIS PROJECT**

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GSWCC LEVEL II CERTIFICATIONS

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.

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



CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER GSWCC CERTIFICATION NO. LEVEL II # 0000029448 EXPIRATION DATE: Ø3-29-2024 COMPANY: BREEDLOVE LAND PLANNING, INC.



DISTURBED AREA

TOTAL SITE AREA: 12.45 AC DISTURBED AREA: 8.15 AC

GENERAL EROSION NOTES

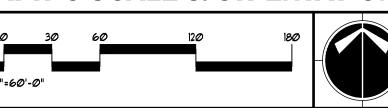
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GRAPHIC SCALE & ORIENTATION



UTILITY LOCATION NOTES

- CONTRACTOR SHALL BE RESPONSIBLE TO SECURE THE SERVICES OF A PRIVATE UTILITY LOCATOR FIRM DURING THE ENTIRE COURSE OF CONSTRUCTION. CONTRACTOR SHALL PAY FOR SAID SERVICES.
- CONTRACTOR SHALL IMMEDIATELY REPAIR ALL UTILITIES DAMAGED BY CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO THE OWNER.
- THE UTILITIES SHOWN ARE SCHEMATIC AND FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE DESIGN PROFESSIONAL ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF UTILITIES WITHIN THE LIMITS OF THE WORK. DAMAGE TO EXISTING UTILITIES BY THE CONTRACTOR, FROM HIS/ HER OPERATIONS SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE OWNER
- CONTRACTOR SHALL BE RESPONSIBLE FOR COMPACTION OF BACKFILL OF ALL UTILITY TRENCHES WITHIN SITE WORK LIMITS. THIS INCLUDES TRENCHES DUG AND BACKFILLED BY LOCAL UTILITIES, SUCH AS POWER, GAS, TELEPHONE, ETC. CONTRACTOR SHALL PROVIDE ADDITIONAL BACKFILL AND COMPACTION AS NECESSARY, IF SETTLEMENT OCCURS

CALL BEFORE YOU DIG



GEORGIA LAW MANDATES THAT, BEFORE BEGINNING ANY MECHANIZED DIGGING OR EXCAVATION WORK, YOU MUST CONTACT GEORGIA 811 BY USING EREQUEST ON WWW.GEORGIA811.COM OR BY CALLING 811 OR 1-800-282-7411 AT LEAST 48 HOURS BUT NO MORE THAN 10 WORKING DAYS IN ADVANCE TO HAVE UTILITY LINES MARKED.

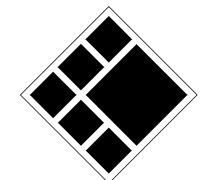
DO NOT BREAK OR DUPLICATE

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6

208 Pirkle Ferry Road, Suite C Cumming, GA 30040



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BLP PROJ. NO. 22158



ROCKDALE COUN COMMISSIONERS 213 COL

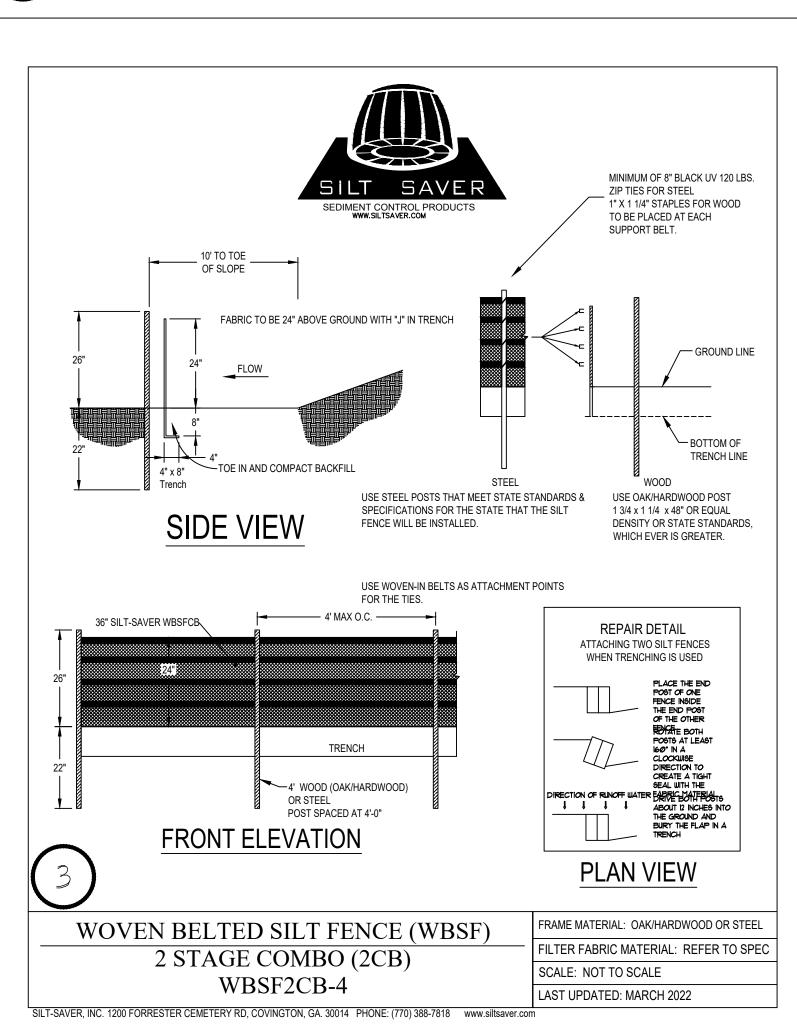
PRINT RECORD							
No.	DATE	DESCRIPTION					
1	07/31/2023	LDP SUBMITTAL					
2	09/07/2023	LDP RESUBMITTAL					

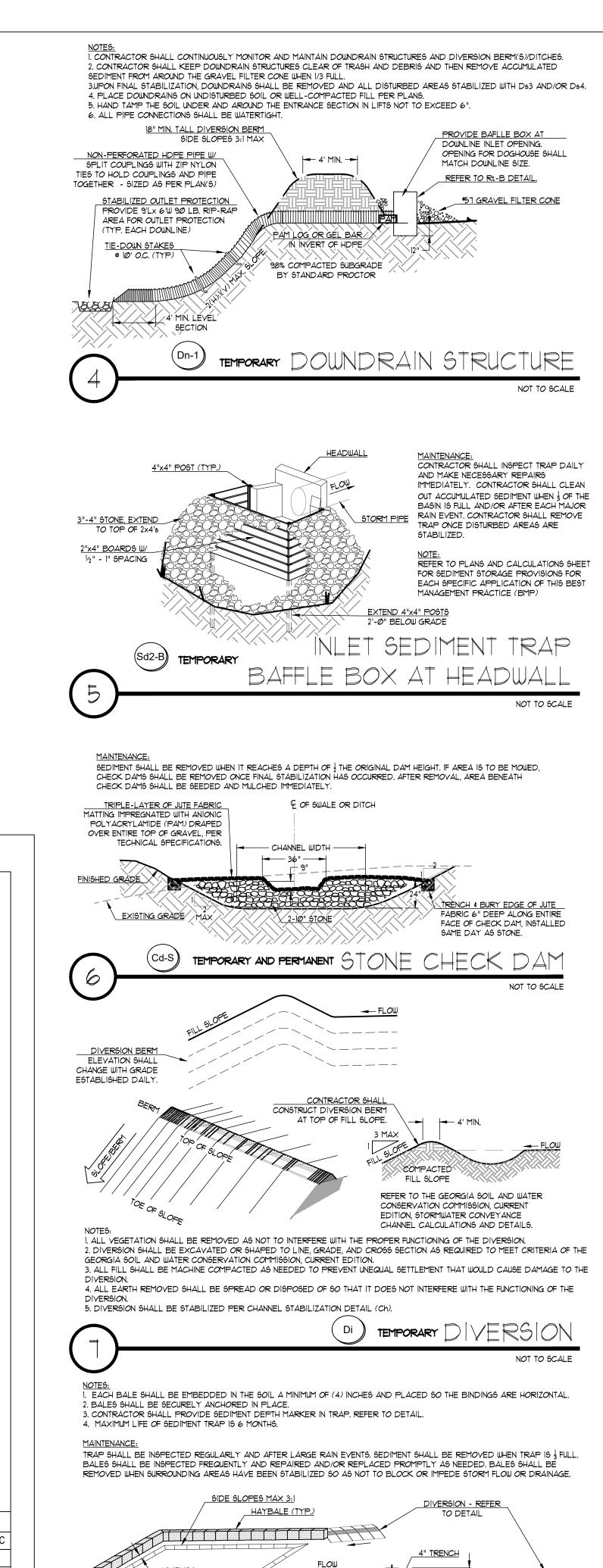
Prawn By	Checked By
uthor	Checker
Date	Job No.
E/0E/2023	22051

Sheet Title

ES&PC PLAN -FINAL PHASE

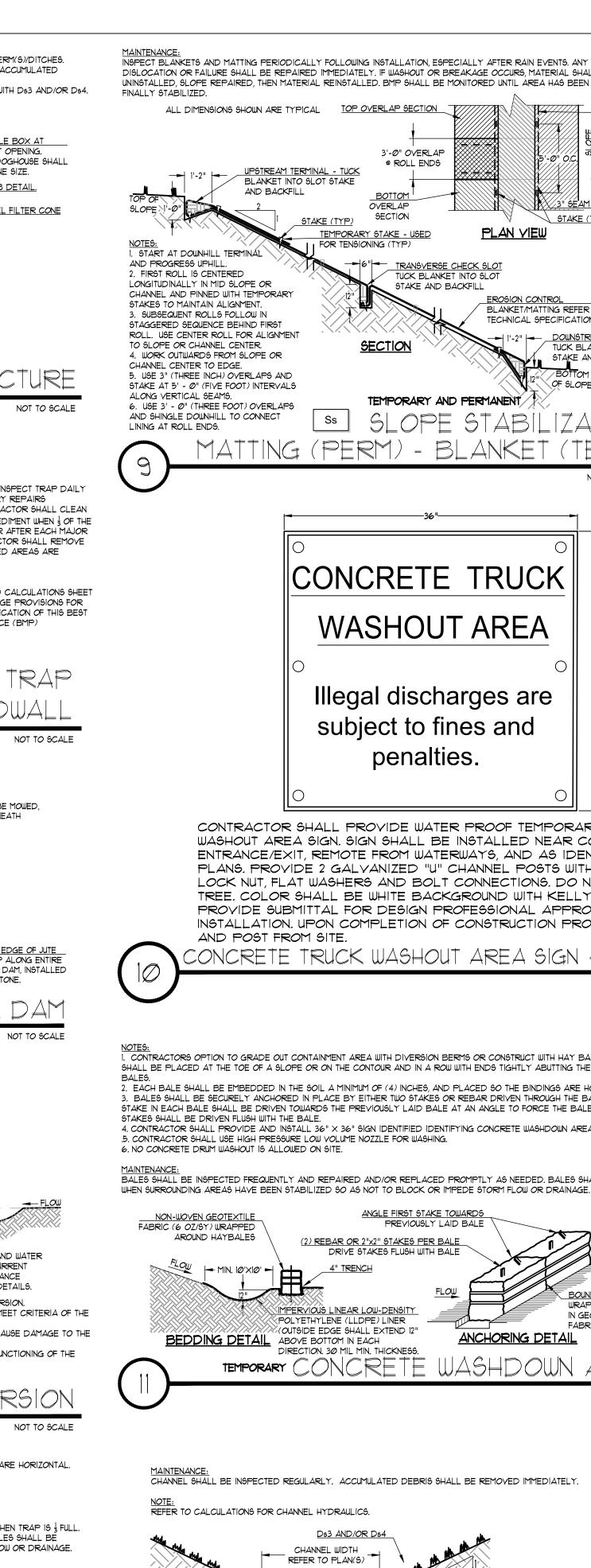
Sheet No.



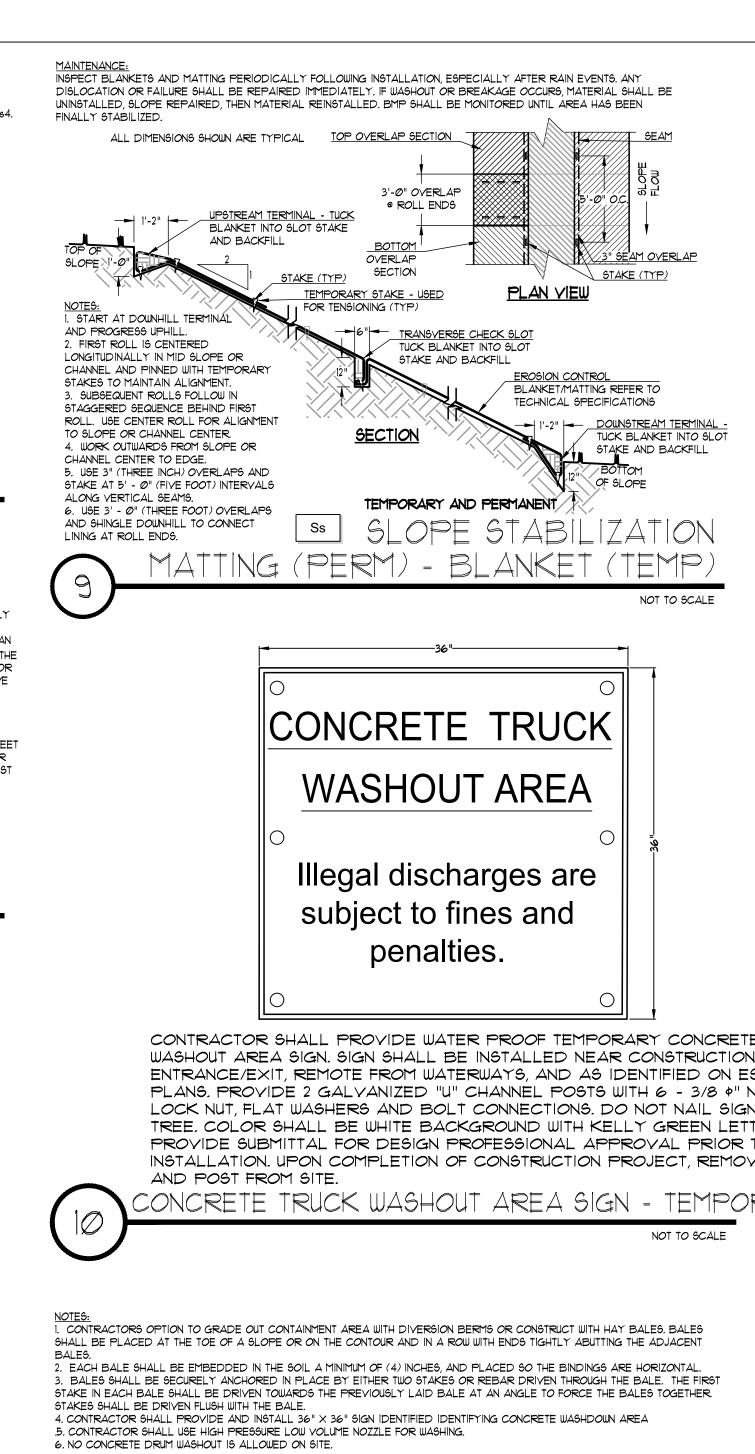


<u> DIVERSION - REFER</u>

TEMPORARY OVERFLOW SED



NOT TO SCALE

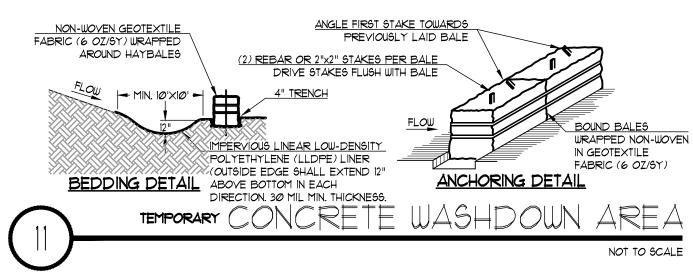


WASHOUT AREA SIGN. SIGN SHALL BE INSTALLED NEAR CONSTRUCTION ENTRANCE/EXIT, REMOTE FROM WATERWAYS, AND AS IDENTIFIED ON ES&PC PLANS. PROVIDE 2 GALVANIZED "U" CHANNEL POSTS WITH 6 - 3/8 O" NYLON LOCK NUT, FLAT WASHERS AND BOLT CONNECTIONS. DO NOT NAIL SIGN TO TREE. COLOR SHALL BE WHITE BACKGROUND WITH KELLY GREEN LETTERING. PROVIDE SUBMITTAL FOR DESIGN PROFESSIONAL APPROVAL PRIOR TO INSTALLATION. UPON COMPLETION OF CONSTRUCTION PROJECT, REMOVE SIGN

CONCRETE TRUCK WASHOUT AREA SIGN - TEMPORARY

I. CONTRACTORS OPTION TO GRADE OUT CONTAINMENT AREA WITH DIVERSION BERMS OR CONSTRUCT WITH HAY BALES, BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT 2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL. 3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR REBAR DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARDS THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER.

BALES SHALL BE INSPECTED FREQUENTLY AND REPAIRED AND/OR REPLACED PROMPTLY AS NEEDED. BALES SHALL BE REMOVED



CHANNEL SHALL BE INSPECTED REGULARLY. ACCUMULATED DEBRIS SHALL BE REMOVED IMMEDIATELY. REFER TO CALCULATIONS FOR CHANNEL HYDRAULICS. Ds3 AND/OR Ds4 CHANNEL WIDTH REFER TO PLAN(S) 25-YEAR FLOW: 12.38 CFS 25-YEAR VELOCITY: 4.24 FT/6

NOT TO SCALE

GSWCC CHECKLIST LEGEND

GSWCC CHECKLIST ITEM NUMBER

24-HOUR EROSION CONTACT

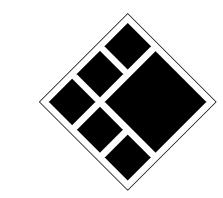
COMPANY: ROCKDALE COUNTY BOC EMAIL ADDRESS: ANDREWHAMMER®ROCKDALECOUNTYGAGOV PHONE NUMBER: 618-381-1081

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Cumming, GA 30040



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PRINT RECORD No. DATE **DESCRIPTION** 1 07/31/2023 LDP SUBMITTAL 2 09/07/2023 LDP RESUBMITTAL

ROCKDALE COUN COMMISSIONERS

213 COL

Drawn By Checked By Checker Job No. Date

ES&PC DETAILS

Sheet No.

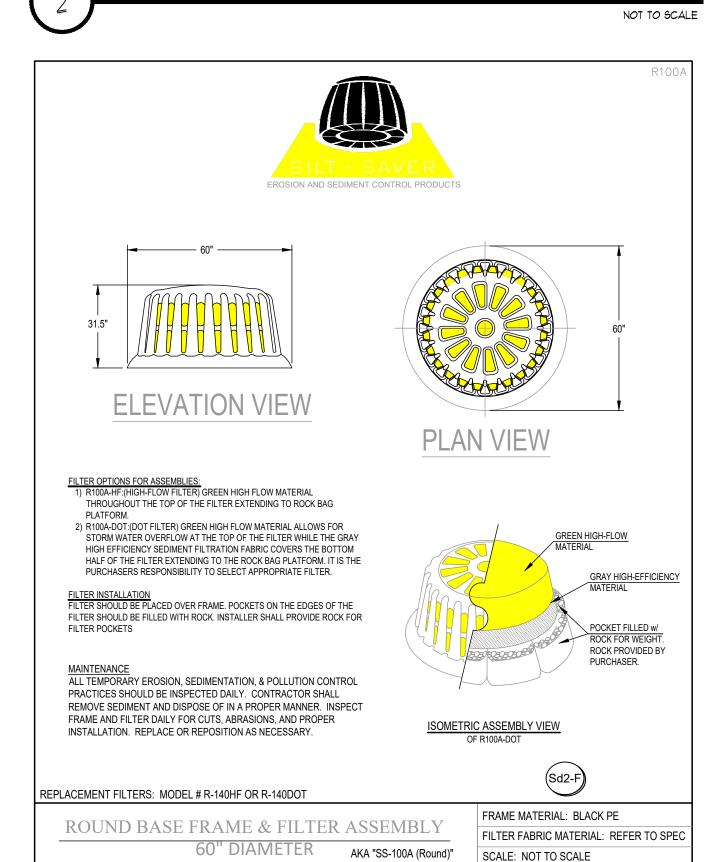
Sheet Title

* 57 GRAVEL FILTER CONE PROVIDE TEMPORARY 2" WEEP OPENING UNTIL STRUCTURE TOP AND FINISHED GRADE IS ACHIEVED THEN GROUT CLOSED LENGTH REFER TO 5d2-E CHART FOR DIMENSIONS CONTRACTOR'S OPTION TO ITILIZE SILT-SAVER IN LIEU OF STANDPIPE AND GRAVEL FILTER CONE SILT-SAVER *

STORM WATER FILTER & SAFETY GUARD www.siltsaver.com 1401 Business Center Drive Conyers, GA 30094 Phone: (770) 388-7818 Fax: (770) 388-7640 Toll Free: 1-888-382-51LT (7458) * OR APPROVED EQUAL

NOT TO SCALE

TRIPLE-LAYER OF JUTE FABRIC MATTING DRAPED OVER ENTIRE TOP OF OUTLET PROTECTION, INSTALLED SAME DAY AS OUTLET PROTECTION, PER TECHNICAL SPECIFICATIONS. EXTEND STORM DRAIN OUTLET PROTECTION AROUND HEADWALL. REFER TO St. CHART FOR DIMENSIONS. 2. do = DIAMETER OF INLET PIPE 3. d50 = MINIMUM STONE DIAMTER 4. dmax = MAXIMUM STONE DIAMETER = 1.5 * d50 5. D = 1.5 * do (MIN. 6") 6. EXTEND RIP RAP UPSTREAM TO TOP OF CHANNEL BANK. 1. INSTALL FILTER BLANKET BETWEEN RIP RAP AND SOIL FOUNDATION. FILTER BLANKET SHALL CONSIST OF GRADED GRAVEL LAYER OR SYNTEHTIC FILTER CLOTH. 8. RIP RAP APRON AND FILTER BLANKET SHALL BE GRADED LEVEL AND EXTENDED TO ACHIEVE TRENCH & BURY EDGE OF RIP RAP SHALL BE INSPECTED AFTER LARGE JUTE FABRIC 6" DEEP RAIN EVENTS, REPAIRS SHALL BE MADE IMMEDIATELY. OUTLET PROTECTION. FILTER BLANKET MINIMUM TAILWATER CONDITION



SILT-SAVER, INC. 1200 FORRESTER CEMETERY RD, COVINGTON, GA 30014 PHONE: (770) 388-7818 FAX: (770) 388-7640 TOLL FREE: 1-888-382-SILT (7458) www.siltsaver.com

LAST UPDATED: MARCH 2021

NOT TO SCALE

Model # R-100A

REFER TO PLANS AND CALCULATIONS SHEET FOR SEDIMENT STORAGE PROVISIONS

FOR EACH SPECIFIC APPLICATION OF THIS BEST MANAGEMENT PRACTICE (BMP)

	SOD AP	PLICATION	Ds4
GRASS	VARIETIES	RESOURCE AREA	GROWING SEASON
BERMUDA GRASS	COMMON TIFWAY TIFGREEN TIFLAWN	M-L,P,C P,C P,C P,C	WARM WEATHER
BAHIA GRASS	PENSACOLA	P,C	WARM WEATHER
CENTIPEDE		P,C	WARM WEATHER
ST. AUGUSTINE	COMMON BITTERBLUE RALEIGH	C C C	WARM WEATHER
ZOYSIA	EMERALD MYER	P,C P,C	WARM WEATHER
TALL FESCUE	KENTUCKY	M-L,P	COOL WEATHER

PIEDI	MONT VE	GETATIV	E COVERS	3	SOIL AMENDMENTS	S (51)		
MONTH	TEMPORARY Ds.	2 RATE / ACRE ALONE - MIX	PERMANENT Ds3	RATE / ACRE ALONE - MIX	LIME 6-12-12	AMMONIA NITRATE		
JANUARY	RYE GRASS	40 LB9	UNHULLED BERMUDA SERICEA LESPEDEZA	10 LB6 - 8 LB6 40 LB6 - 30 LB6	60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE		
FEBRUARY	RYE GRASS	40 LB9	UNHULLED BERMUDA SERICEA LESPEDEZA (2) FESCUE	IØ LBS - 8 LBS 4Ø LBS - 3Ø LBS 5Ø LBS - 4Ø LBS	60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE		
MARCH	RYE GRASS ANNUAL LESPEDEZA WEEPING LOVEGRASS		UNHULLED BERMUDA SERICEA LESPEDEZA (12) FESCUE	IØ LBS - 8 LBS 40 LBS - 30 LBS 50 LBS - 40 LBS	60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE		
APRIL	ANNUAL LESPEDEZA RYE BROWN TOP MILLET SUDAN GRASS	(2) 30 LB6 - 25 LB6 3 BU - 0.5 BU 40 LB6 - 30 LB6 35 LB6	WEEPING LOVEGRASS HULLED BERMUDA BAHIA	6 LB6 - 6 LB6 10 LB6 - 8 LB6 60 LB6 - 40 LB6	60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE		
MAY	WEEPING LOVEGRASS SUDAN GRASS BROWN TOP MILLET				60 LB5 PER 40 LB5 PER 1000 5QFT. 1000 5QFT.	300 LBS PER ACRE		
JUNE	WEEPING LOVEGRASS SUDAN GRASS BROWN TOP MILLET	6 LB6 - 6 LB6 35 LB6 40 LB6 - 15 LB6	WEEPING LOVEGRASS HULLED BERMUDA BAHIA	6 LBS - 6 LBS 10 LBS - 8 LBS 60 LBS - 40 LBS	60 LB6 PER 40 LB6 PER 1000 6QFT. 1000 6QFT.	300 LBS PER ACRE		
JULY	SAME AS JUNE	6 LBS - 6 LBS 35 LBS 40 LBS - 15 LBS	WEEPING LOVEGRASS HULLED BERMUDA BAHIA	6 LB5 - 6 LB5 10 LB5 - 8 LB5 60 LB5 - 40 LB5	60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE		
AUGUST	WEEPING LOVEGRASS RYE GRASS	6 LB6 - 6 LB6 40 LB6			60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE		
SEPTEMBER			FE9CUE	50 LBS - 30 LBS	60 LB6 PER 40 LB6 PER 1000 6QFT. 1000 6QFT.	300 LBS PER ACRE		
OCTOBER	WHEAT	3 BU - Ø.5 BU	UNHULLED BERMUDA SERICEA LESPEDEZA (2) FESCUE	10 LB9 - 8 LB9 40 LB9 - 30 LB9 50 LB9 - 40 LB9	60 LB6 PER 40 LB6 PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE		
NOVEMBER	SAME AS OCTOBER		SAME AS OCTOBER	SAME AS OCTOBER	60 LB6 PER 40 LB6 PER 1000 5QFT. 1000 5QFT.	300 LBS PER ACRE		
DECEMBER	SAME AS OCTOBER		SAME AS OCTOBER	SAME AS OCTOBER	60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE		
1. SEED SHALL	. BE SCARIFIED. 2. SE	ED SHALL BE INOCUL	ATED.	1	NOTE: RATES INCLUDED IN THIS CHART ARE A RECOMME SHALL PROVIDE NECESSARY AMENDMENTS AS IDENTIFIED			

Ds3 Ds2

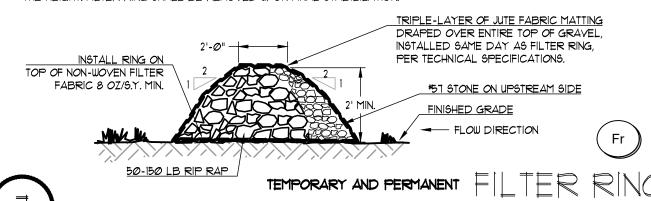
VEGETATIVE PLAN- PIEDMONT VEGETATIVE COVERS

MULCHIN	IG APPLICAT	ION Ds1 52
MATERIAL	RATE	DEPTH
STRAW OR HAY	21/2 TON PER ACRE	6"-10"
WOOD WASTE, CHIPS, SAWDUST, BARK	6-9 TON PER ACRE	2"-3"

FOR FINAL STABILIZATION BED MULCH, CONTRACTOR SHALL PROVIDE MIN 3" CLEAN PINE NEEDLES, SEE PLANTING DETAILS ON C701

MULCHING APPLICATION TABLE

FILTER RING SHALL BE CONTINUOUSLY MONITORED. SEDIMENT SHALL BE REMOVED WITH RING IS FULL OF SEDIMENT TO $rac{1}{2}$ THE HEIGHT. FILTER RING SHALL BE REMOVED UPON FINAL STABILIZATION.



GSWCC CHECKLIST LEGEND

24-H	OUR EROSION CONTACT	4
NAME: COMPANY:	ANDREW HAMMER ROCKDALE COUNTY BOC	

DO NOT BREAK OR DUPLICATE

DO NOT DUPLICATE DRAWINGS WITHOUT PERMISSION.

MAINTAIN DEPRESSION TO

BECOMING STUCK

MINIMIZE CHANCE OF SKIMMER

READ THE SPECIFICATIONS. THIS SET OF DRAWINGS AND SPECIFICATIONS DEFINE PROJECT SCOPE AND CONTRACT REQUIREMENTS. INDIVIDUAL SHEETS SEPARATED FROM THE SET MAY NOT ADEQUATELY REFLECT ALL INFORMATION NEEDED TO SUITABLY COVER CERTAIN ITEMS. DO NO SEPARATE THIS SET OF DRAWINGS INTO INDIVIDUAL SHEETS.

TOP DRESSING RATE 50-100 lbs./ac. 1/2/ design group 30 0-50 lbs./ac. 1/ per seedling placed BREEDLOVE LAND PLANNING Landscape Architects ◆ Civil Engineers 15 Simpson Street, NW, Atlanta, GA 30308 P: 770-483-1173 ◆ www.landplanning.net 30 lbs./ac. 5/ **BLP PROJ. NO. 22158** 50-100 lbs./ac. 2/6/ 50-100 lbs./ac. 2/ 30 lbs./ac.

1/ Apply in spring following seeding.

2/ Apply in split applications when high rates are used.

3/ Apply in 3 split applications.

Calculate Skimmer Size

Basin Volume in Cubic Feet

Days to Drain*

FLOAT

*SKIMMER SHALL BE

OR APPROVED EQUAL*

FAIRCLOTH, MARLEY FLOAT

*In NC assume 3 days to drain

TYPE OF SPECIES

Cool season

Cool season

legumes

grasses and

Ground covers

4. Pine seedlings

Shrub Lespedeza

Temporary

cover crops seeded alone

Warm season

grasses

Warm season

legumes

grasses and

grasses

4/ Apply when plants are pruned.

5/ Apply to grass species only.

6/ Apply when plants grow to a height of 2 to 4 inches.

90,100 Cu.Ft

Table 6-5.1. Fertilizer Requirements

ANALYSIS OR

EQUIVALENT

N-P-K

6-12-12

6-12-12

10-10-10

6-12-12

0-10-10

0-10-10

10-10-10

10-10-10

10-10-10

20-10-5

0-10-10

0-10-10

10-10-10

6-12-12

6-12-12

10-10-10

6-12-12

0-10-10

0-10-10

RATE

1500 lbs./ac.

1000 lbs./ac.

1500 lbs./ac.

1000 lbs./ac.

1300 lbs./ac. 3/

1300 lbs./ac. 3/

one 21-gram pellet

in the closing hole

1100 lbs./ac.

700 lbs./ac.

500 lbs./ac.

1500 lbs./ac.

800 lbs./ac.

400 lbs./ac.

1500 lbs./ac.

1000 lbs./ac.

400 lbs./ac.

700 lbs./ac. 4/

400 lbs./ac.

400 lbs./ac.

YEAR

Maintenance

Maintenance

Maintenance

Maintenance

First

First

First

First

First

First

First

Second

Second

Maintenance

Maintenance

WATER ENTRY UNIT WITH TRASH SCREEN

ORIFICE OPENING INSIDE THE HORIZONTAL TUBE WITH A CONSTANT HYDRAULIC HEAD

SHALL BE 2.5" ORFICE DIAMETER WITH 3" SKIMMER.

3" SCHEDULE 40 PVC PIPE

BARREL OR ARM)

FLEXIBLE HOSE

PVC VENT PIPE

WATER ENTRY UNIT

Second

Second

Second

Skimmer Size Orifice Radius Orifice Diameter

2. PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME.

MAINTENANCE:
SKIMMER SHALL BE MAINTAINED PER MANUFACTURER'S RECOMMENDATIONS. INSPECT BASIN DAILY AND AFTER LARGE STORM EVENTS FOR STRUCTURAL DAMAGE, CLOGGING, OR EXCESSIVE SEDIMENT

5. EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF THE PIPE.

6 INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.
1 EIGHT SIZES OF SKIMMERS ARE AVAILABLE, REFER TO THE FLOW SHEET, CUT SHEET, AND INSTRUCTIONS ON WEB SITE

MAXIMUM HEIGHT OF FLOAT WHEN NO OTHER STORM WATER DISCHARGE OPENINGS EXIST

INVERT OF LOWEST STORM WATER

(MINOR STORM EVENT) ELEVATION

BOTTOM OF SD3 AND LOWEST ORFICE

(MAJOR STORM EVENT)

DISCHARGE OPENING

FLEXIBLE HOSE MUST BE

FLEXIBLE HOSE

SECURELY FASTENED TO THE

WATER QUALITY DISCHARGE

<u>GENERAL NOTES:</u>
I. PROPER DESIGN MUST BE COMPLETED TO MINIMIZE PIPING: AROUND DISCHARGE PIPE.

4. EMERGENCY SPILLWAY MUST BE CORRECTLY SIZED AND EROSION PROTECTION INSTALLED.

MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE.

3. EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS

ACCUMULATION. SEDIMENT SHALL BE REMOVED WHEN BASIN IS $\frac{1}{3}$ FULL.

2"X4" PT WOOD GUIDE

SKIMMER OUTLET WITH OUTLET CONTROL STRUCTURE

EARTHEN EMBANKMENT

GRATE

SKIMMER WITH OUTLET CONTROL STRUCTURE

EMERGENCY SPILLWAY

STORM WATER

DISCHARGE

6.0 Inch

50 lbs./ac./6/

2.8 Inch[es] 5.6 Inch[es]

PVC VENT

- FLOAT

PIPE

TO THE OVERFLOW

SCHEDULE 40 PVC PIPE

CMU RESTING BLOCK

(BARREL OR ARM)

ROCKDALE COUN COMMISSIONERS

OF

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Cumming, GA 30040

PRI	PRINT RECORD												
No.	DATE	DESCRIPTION											
1	07/31/2023	LDP SUBMITTAL											
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GSWCC CHECKLIST ITEM NUMBER

COMPANY: ROCKDALE COUNTY BOC EMAIL ADDRESS: ANDREW.HAMMER®ROCKDALECOUNTYGAGOV PHONE NUMBER: 678-387-7081

Table 6-4.1 - Temporary Cover or Companion Cover Crops

PLANT, PLANTING RATE, AND PLANTING DATE FOR TEMPORARY COVER OR COMPANION CROPS 1

Species	Broadcas	t Rates	Resource Area ³		F	Plant	ting	Date	es b	y R	esou	ırce	Are	а		Remarks
				Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.												
		Pure Live Seed (PLS) Per 1000 sqft		J	F	М	Α	М	J	J	A	s	0	N	D	
BARLEY Hordeum vulagre																
alone	3 bu. (144 lbs)	3.3 lbs	M-L									_				14,000 seed per pound. Winter hardy. Use
in mixture	1/2 bu. (24lbs)	0.6 lb	Р													on productive soils.
			С													
LESPEDEZA, ANNUAL Lespedeza striata																
alone	40 lbs	0.9 lb	M-L			H										200 000 seed see seed Marriage for see
in mixture	10 lbs	0.2 lb	Р		-	L										200,000 seed per pound. May volunteer for several years. Use inoculant EL.
			С													
LOVEGRASS, WEEPING Eragrostis curvula																
alone	4 lbs	0.1 lb	M-L													1,500,000 seed per pound. May last for several
in mixture	2 lbs	0.05 lb	Р													years. Mix with Sericea lespedeza.
			С									L				
MILLET, BROWNTOP Panicum fasciculatum																
alone	40 lbs	0.9 lb	M-L			1										407.000
in mixture	10 lbs	0.2 lb	Р													137,000 seed per pound. Quick dense cover. Will provide excessive competion in mixtures if
			С													seeded at high rate.

Species	Broadcast	t Rates	Resource Area ³										Are			Remarks
				Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.												
		Pure Live Seed (PLS) Per 1000 sqft		J	F	М	A	М	J	J	А	s	0	N	D	
MILLET, PEARL Pennesetum glaucum																
alone	50 lbs	1.1 lbs	M-L P C				:					-				88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.
OATS Avena sativa																
alone	4 bu. (128 lbs)	2.9 lbs	M-L											<u>. </u>		
in mixture	1 bu. (32 lbs)	0.7 lb	P C													13,000 seed per pound. Use on productive soils. Not as a winter hardy as rye or barley.
RYE Secale cereale														i		
alone	3 bu. (168 lbs)	3.9 lbs	M-L										-		-	
in mixture	1/2 bu. (28 lbs)	0.6 lb	P C			Į.										18,000 seed per pound. Quick cover. Drought tolerant and winter hardy.
RYEGRASS, ANNUAL Lolium temulentum																
alone	40 lbs	0.9 lb	M-L P C						0							227,000 seed per pound. Dense cover. Very com- petitive and is <u>not</u> to be used in mixtures.
SUDANGRASS Sorghum sudanese																
alone	60 lbs	1.4 lbs	M-L P C								 					55,000 seed per pound. Good on droughty sites. Not recommended for mixtures.

Species	Broadcast Rate	Broadcast Rates			Planting Dates by Resource Area						eso	urce	e Are	Remarks		
		Pure Live Seed		Sol	Solid lines indicate optimum dates, dotted permissible but marginal date							s ind	icate ı			
RITICALE	Rate Per Acre ²		J	F	М	A	М	J	J	А	s	0	N	D		
TRITICALE X-Triticosecale																
alone n mixture	3 bu. (144 lbs) 1/2 bu. (24 lbs)	3.3 lbs 0.6 lb	С									-	755		-	Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only.
WHEAT Triticum aestivum																
alone in mixture	3 bu. (180 lbs) 1/2 bu. (30 lbs)	4.1 lbs 0.7 lb	M-L P C									-				15,000 seed per pound. Winter hardy.

¹Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily

²Reduce seeding rates by 50% when drilled. ³M-L represents the Mountain; Blue Ridge; and Ridges and Valleys MLRAs

P represents the Southern Piedmont MLRA

C represents Southern Coastal Plan; Sand Hills; Black Lands; and Atlantic Coast Flatwoods MLRAs (see Figure 6-4.1, p. 6-40)

Disturbed Area Stabilization (With Mulching Only) Ds1



DEFINITION

Applying plant residues or other suitable materials, produced on the site if possible, to the soil surface.

PURPOSE

·To reduce runoff and erosion

To conserve moisture

To prevent surface compaction or crusting

To control undesirable vegetation

To modify soil temperature

To increase biological activity in the soil

REQUIREMENT FOR REGULATORY COMPLIANCE

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, anchored and have a continuous 90% cover or greater of the soil surface.

Maintenance shall be required to maintain appropriate depth and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than six months.

If any area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed. Refer to Ds2 -Dis-

GSWCC 2016 Edition

2. If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.

3. Apply polyethylene film on exposed areas.

Anchoring Mulch

 Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk." Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored immediately after application.

Straw or hay mulch spread with special blower-type equipment may be anchored. Tackifers, binders and hydraulic mulch with tackifier specifically desgined for tacking straw can be substituted for emulsified asphalt. Please refer to specification Tac-Tackifers. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.

- 2. Netting of the appropriate size shall be used to anchor wood waste. Openings of the netting shall not be larger than the average size of the wood waste chips.
- Polyethylene film shall be anchor trenched at the top as well as incrementally as necessary.

turbed Area Stabilization (With Temporary Seeding), Ds3 - Disturbed Area Stabilization (With Permanent Seeding), and Ds4 - Disturbed Area Stabilization (With Sodding).

SPECIFICATIONS

Mulching Without Seeding

This standard applies to graded or cleared areas where seedings may not have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Site Preparation

- 1. Grade to permit the use of equipment for applying and anchoring mulch.
- 2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.
- 3. Loosen compact soil to a minimum depth of 3 inches.

Mulching Materials

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

- 1. Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.
- 2. Wood waste (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.
- 3. Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and re-used.

Applying Mulch

When mulch is used without seeding, mulch shall be applied to provide full coverage of the exposed area.

1. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment.

6-27

Temporary Excavated Inlet Sediment Trap Calculations (SD4) Information below provided as required by page 6-155, GSWCC 2016 Edition Structure Reference Req. Storage Surface Top of storage Depth Bottom of Sediment ID No. Provided Area Storage 0.21 28.14 35 778 835 2.00 833

	C11	A 4		ural BMP: Ro		· /		10	
	Structure No.	A1							
	Drainage Area:	5.36	acres						
	-11-D								
	alculations:								
	d stormwater storag				=	667.00	су	Obtain from I	Hydraflow
	ost-construction stora	age volume unl							
	ed sediment storage		67	cy/acre	=	359.12		Increase for	mpaired stream ir red
	quired storage			(1) + (2) = (3)	-	1026.12	-		
4. Availabl					=	3334.00	су	Obtain from I	Hydraflow
5. Is the a	vailable storage grea		al required st						
		YES		NO					
6. If "NO",	the sediment storag		e pond must	be increased.					
	Choose the meth				at the second				
		Undercut the	pond		(W)*		(L)*		D
						Depth			ft
	ut elevation				=	815.00	ft		
	ength-width ratio 2:1	_			XXX	YES			
9. If "NO",	the length of flow mi	ust be increase	d.						
	Choose the meth	od to be used:							
		Baffles	Type:						
		Other							
Note the C	MP diameter and he	ight if a half-rou	ind CMP retro	fit is used.					
	Diameter =	•	in		Height =		ft		
	Structure No.	C2							
	Drainage Area:	5.51	acres						
Storage C	alculations:								
 Require 	d stormwater storag	е			=	0.00	су	Obtain from I	Hydraflow
	ost-construction store	age volume unl	ess otherwise	determined by	local ordin	ance)			
Require	d sediment storage		67	cy/acre	=	369.17	су	Increase for	mpaired stream ir rec
Total re	quired storage			(1) + (2) = (3)	=	369.17	су		
4. Availabl	e Storage				=	473.37	су	Obtain from I	Hydraflow
5. Is the a	vailable storage grea	ter than the tot	al required st	orage?					
	XXX	YES		NO					
6. If "NO",	the sediment storag			be increased.					
	Choose the meth	od to be used:							
		Undercut the	pond		(W)*		(L)*		D
						Depth	=		ft
7. Clean-o	ut elevation				=	815.00	ft		
8. Is the le	ength-width ratio 2:1	or greater?			XXX	YES			
9. If "NO",	the length of flow mi	ust be increase	d.						
	Choose the meth	od to be used:							
		Baffles	Type:						
		Other							
Note the C	MP diameter and he	ight if a half-rou	and CMP retro	fit is used.					

	Silt Fence Storage														
11.	10.	9.	8.	7.	6.	5.	4.	3.	2.	1.					
Provided Volume	Required	d Volume	Provide	avg. back slope	Sed. Storage	drainage	Length	drainage area	Erosion plan	Area					
> Required	Volume **			gradient	Height at silt	area (acres)		(acres)	sheet						
Volume?					fence (ft)	per 100 lf *			reference						
	(cu-yd)	(cu-yd)	(cu-ft)	(ft/ft)	(ft)	(ac/100 LF)	(ft)	(acres							
Yes	25.46	27.83	751.52	0.33	1.0	0.08	496.00	0.38	C410	NO. 1					
Yes	45.56	50.09	1352.50	0.20	1.0	0.13	541.00	0.68	C410	NO. 2					
Yes	17.42	43.33	1170.00	0.10	1.0	0.11	234.00	0.26	C410	NO. 3					

	Temporary Excavated Inlet Sediment Trap Calculations (SD2-Alt) Information below provided as required by page 6-155, GSWCC 2016 Edition													
Drainage	Plan Sheet	1	2	3	4	5	6a	6b	6c	7				
Structure ID	Reference	Drainage	Req.	Assumed	Assumed	Min. Surface	Excavation	Excavation	Excavation	Storage				
No.		Area	Sediment	Excavation	Side Slope	Area	Shape	Width	Length	Provided				
			Storage	Depth										
		(acres)	(cy)	(ft)	(X:1)	(sf)		(ft)	(ft)	(cy)				
Dn1-A	C410	0.86	57.62	2	2	777.87	Rectangular	20	40	59.26				
Dn1-B	C410	0.43	28.81	2	2	388.94	Rectangular	14	28	29.04				

			Temporary E	excavated Inle	et Sediment T	rap Calculation	ons (SD2-Alt)			
		Info	rmation belov	v provided as i	required by pa	ge 6-155, GSV	VCC 2016 Editio	n		
Drainage	Plan Sheet	1	2	3	4	5	6a	6b	6c	7
Structure ID	Reference	Drainage	Req.	Assumed	Assumed	Min. Surface	Excavation	Excavation	Excavation	Storage
No.		Area	Sediment	Excavation	Side Slope	Area	Shape	Width	Length	Provided
			Storage	Depth						
		(acres)	(cy)	(ft)	(X:1)	(sf)		(ft)	(ft)	(cy)
B1b	C420	0.11	7.37	2	2	99.50	Rectangular	8	16	9.48
B1b1	C420	0.21	14.07	2	2	189.95	Rectangular	10	20	14.81
B1b2	C420	0.21	14.07	2	2	189.95	Rectangular	10	20	14.81
B1c1	C420	0.14	9.38	2	2	126.63	Rectangular	8	16	9.48
B1c2	C420	0.14	9.38	2	2	126.63	Rectangular	8	16	9.48
B1d	C420	0.21	14.07	2	2	189.95	Rectangular	10	20	14.81
В3	C420	0.39	26.13	2	2	352.76	Rectangular	14	28	29.04
B4	C420	0.72	48.24	2	2	651.24	Rectangular	19	38	53.48
B5	C420	0.47	31.49	2	2	425.12	Rectangular	15	30	33.33

				Struc	ctural BMP:	Rip Rap 0	utlet Prote	ction (St)				
Structure	Diameter (in)	Q25 (cfs)	V25 (fps)		Tailwater Condition	Figure	La (ft)	W ₁ (ft)	W ₂ (ft)	d50 (ft)	dMAX (ft)	D (ft)
A1	24	1.15	3.30	4.00	MINIMUM	6-34.1	16	6	18.00	0.50	0.75	1.13
А3	24	13.11	5.62	18.00	MINIMUM	6-34.2	16	6	18.00	0.50	0.75	1.13
ВО	24	9.81	5.88	6.00	MINIMUM	6-34.1	16	6	18.00	0.50	0.75	1.13
C1	24	14.30	8.07	11.00	MINIMUM	6-34.1	16	6	18.00	0.50	0.75	1.13

¹ Min. Required Storage is 67 CY per Acre of Drainage Area

GSWCC CHECKLIST LEGEND

GSWCC CHECKLIST ITEM NUMBER

24-HOUR EROSION CONTACT 4

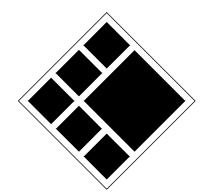
ANDREW HAMMER COMPANY: ROCKDALE COUNTY BOC EMAIL ADDRESS: ANDREWHAMMER®ROCKDALECOUNTYGAGOV PHONE NUMBER: 678-387-7081

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ROCKDALE COUN COMMISSIONERS LAND LOTS :

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PRI	NT RECC	RD				
No.	DATE	DESCRIPTION				
1	07/31/2023	LDP SUBMITTAL				
2	09/07/2023	LDP RESUBMITTAL				

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Sheet Title

ES&PC DETAILS

Sheet No.

GSWCC 2016 Edition

SEPTIC CALCULATIONS

DESIGN FLOW & DISPOSAL FIELD SIZING:

• SYSTEM DESIGN BASED ON PROPOSED USE AS:

RESTROOM BUILDING DESIGN FLOW RATIONALE:

35 ANDREW HAMMERS AT I TIME AT FACILITY 35 ANDREW HAMMERS X 10 GPD = 350 GPD

DRAIN FIELD (PRIMARY & REPLACEMENT) CALCULATIONS::

• SOIL TYPE: WEDOWEE/PACOLET (LEVEL 3 SOIL SURVEY BY MATRIX ENGINEERING) DESIGN PERCOLATION RATE: 45 MPI INSTALL DEPTH: 30"

DPH LOADING RATE: 5/5QRT (35) = 0.745 GPD/9F DRAIN FIELD AREA: DESIGN FLOW / LOADING RATE = 350 GPD / 0.745 GPD/SF = 470 SF

DRAIN LINE REQUIRED: 470 SF / 3FT TRENCH = 151 LINEAR FEET (MIN.) PRIMARY DRAIN FIELD: (PRODUCT: HI-CAPACITY CHAMBER PRODUCT, 35% REDUCTION) 157 FT x 0.65 = 103 LINEAR FEET (MINIMUM)

(110 TOTAL LINEAR FEET SHOWN ON PLANS) REPLACEMENT DRAIN FIELD: (FULL LENGTH PRODUCT, NO REDUCTION) 160 LINEAR FEET (MINIMUM) AS SHOWN ON PLANS

DRAIN FIELD SPECIFICATIONS:

PRIMARY:

GRAVITY FLOW @ MIN. 10% TO LEVEL FIELD DRAIN FIELD

PRODUCT: HI-CAPACITY CHAMBER PRODUCT

TOTAL DRAIN FIELD SHOWN: 110 LINEAR FEET DRAIN FIELD ORIENTATION MAY BE FIELD ADJUSTED TO AVOID TREES BUT MUST INCLUDE LENGTH OF TRENCH AND PRODUCT SPECIFIED ABOVE. REPLACEMENT:

EQUAL DISTRIBUTION, 30" TRENCH DEPTH
(2) TRENCHES • 55FT EACH FOR A TOTAL OF 110 LINEAR FEET FULL LENGTH PRODUCT, REGARDLESS TYPE. (NO REDUCTIONS.)

ROCKDALE COUNTY NOTES

DESIGN AND CONSTRUCTION OF ALL WATER AND SANITARY SEWER LINES SHALL CONFORM TO ROCKDALE WATER RESOURCES WATER AND WASTEWATER STANDARDS AND SPECIFICATIONS, LATEST EDITION.

- CONTRACTOR WILL NOTIFY RW.R. ENGINEERING DEPARTMENT AT LEAST 12 HOURS PRIOR TO BEGINNING OF CONSTRUCTION ON WATER AND SEWER. AND INSPECTOR WILL BE ASSIGNED AND A PRE-CONSTRUCTION MEETING SCHEDULED AT THIS TIME.
- "AS-BUILT" DRAWINGS SHALL BE FIELD VERIFIED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR, LICENSED IN
- THE CONTRACTOR SHALL COMPLY WITH ALL UTILITIES PROTECTION CENTER REQUIREMENTS.

GENERAL NOTES

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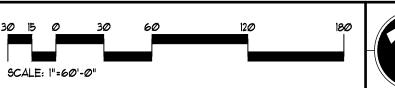
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- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURE ADA ACCESSIBILITY.

24-HOUR EROSION CONTACT

ANDREW HAMMER ROCKDALE COUNTY BOC COMPANY:

EMAIL ADDRESS: ANDREWHAMMER®ROCKDALECOUNTYGAGOV PHONE NUMBER: 678-387-7081

GRAPHIC SCALE & ORIENTATION



UTILITY LOCATION NOTES

- CONTRACTOR SHALL BE RESPONSIBLE TO SECURE THE SERVICES OF A PRIVATE UTILITY LOCATOR FIRM DURING THE ENTIRE COURSE OF CONSTRUCTION. CONTRACTOR SHALL PAY FOR SAID SERVICES.
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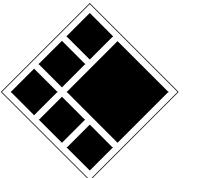
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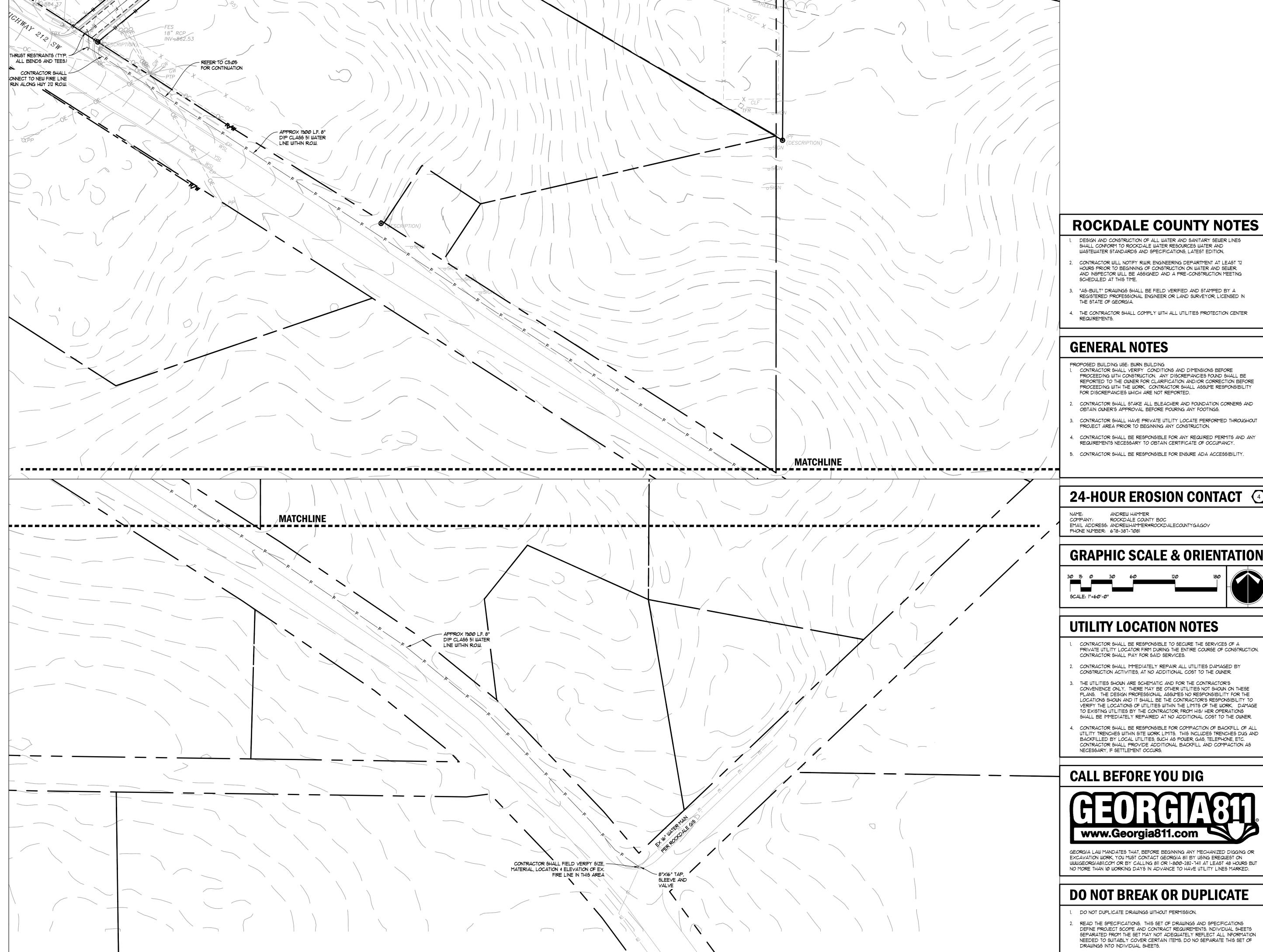
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UTILITY PLAN

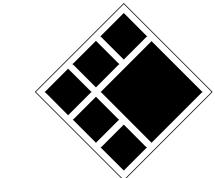
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Sheet Title

WATER LINE PLAN

Sheet No.

TREE CALCULATIONS

OVERALL DENSITY FACTOR (ODF) = UNITS PER ACRE REQUIRED = 15.00 UNITS TOTAL PROJECT AREA = 61.43 ACRES

67.43 × 15.00 = <u>1011.45 ODF</u>

EXISTING DENSITY FACTOR (EDF) = 107030 UNITS (ONLY TREES 24" AND LARGER WERE SURVEYED.)

TOTAL UNITS REMOVED = 180.30 UNITS (ONLY TREES 24" AND LARGER WERE SURVEYED.)

TOTAL TREE SAVE AREA = 59.30 ACRES TOTAL UNITS REMAINING = 890.00 UNITS

OF FOREST ARE TO REMAIN UNDISTURBED.

(ONLY TREES 24" AND LARGER WERE SURVEYED.) CALCULATIONS ARE BASED ONLY ON TREES 24" AND LARGER.
890.00 UNITS REMAIN ON SITE. SITE VISITS GIVE REASON TO BELIEVE
MORE THAN 121.45 UNITS ARE TO BE PRESERVED ON SITE. 59.28 ACRES

ROCKDALE COUNTY NOTES

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PHONE NUMBER: 678-387-7081

GRAPHIC SCALE & ORIENTATION

SCALE: 1"=60'-0"

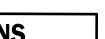
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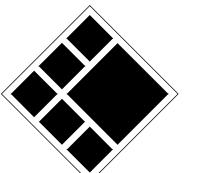
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SEPARATED FROM THE SET MAY NOT ADEQUATELY REFLECT ALL INFORMATION





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24-HOUR EROSION CONTACT

ANDREW HAMMER ROCKDALE COUNTY BOC COMPANY: EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGAGOV

UTILITY LOCATION NOTES

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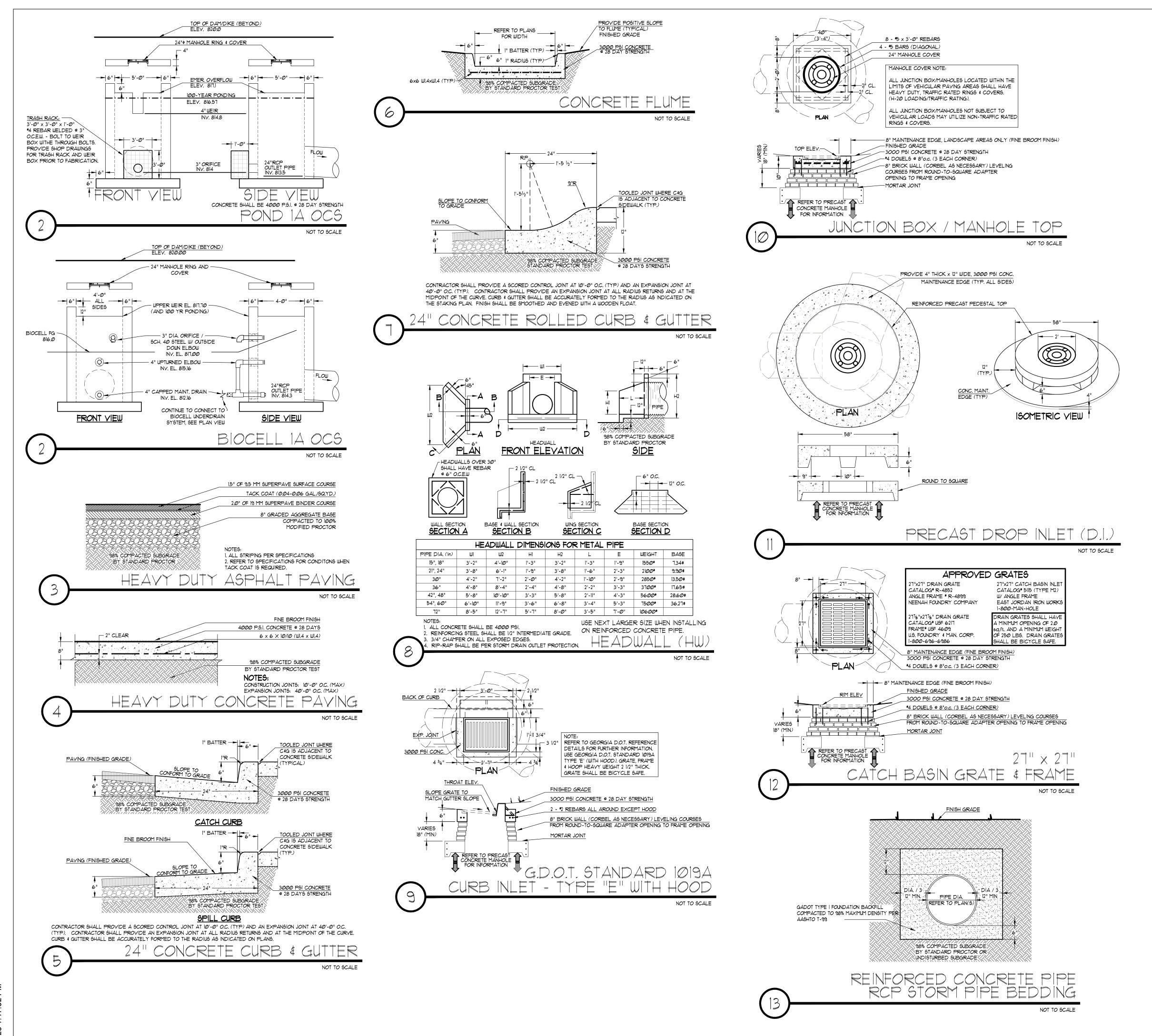
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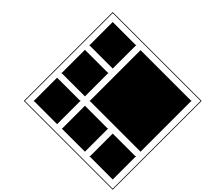
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TREE PROTECTION PLAN

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COUNTAMPUS ROCKDALE TRAIINNG C

ROCKDALE COUN COMMISSIONERS **PRINT RECORD** No. DATE **DESCRIPTION** 1 07/31/2023 LDP SUBMITTAL 2 09/07/2023 LDP RESUBMITTAL

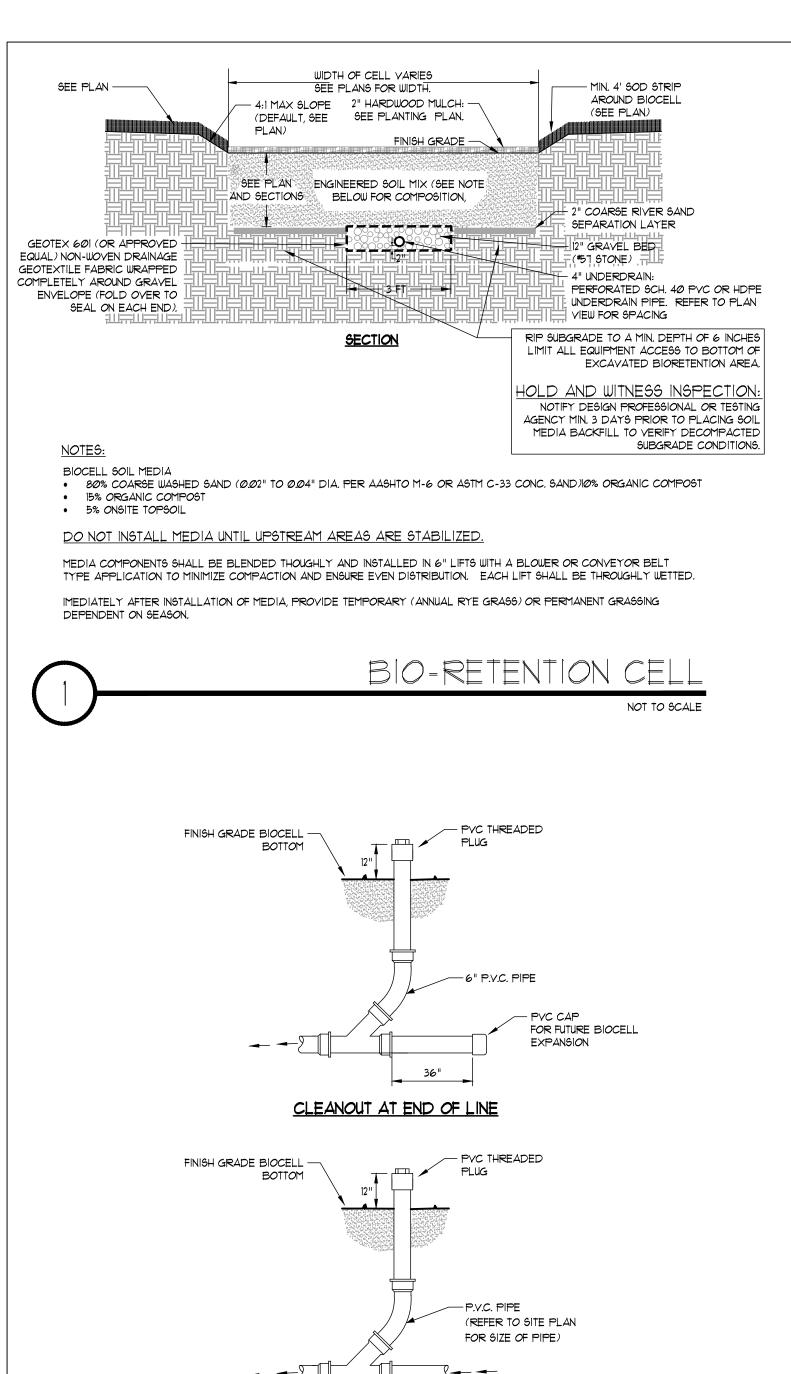
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SITE WORK CONSTRUCTION **DETAILS**

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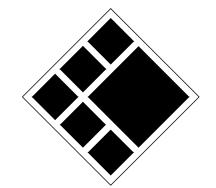


CLEANOUT UP TO GRADE

CLEANOUT - BIOCELL BOTTOM



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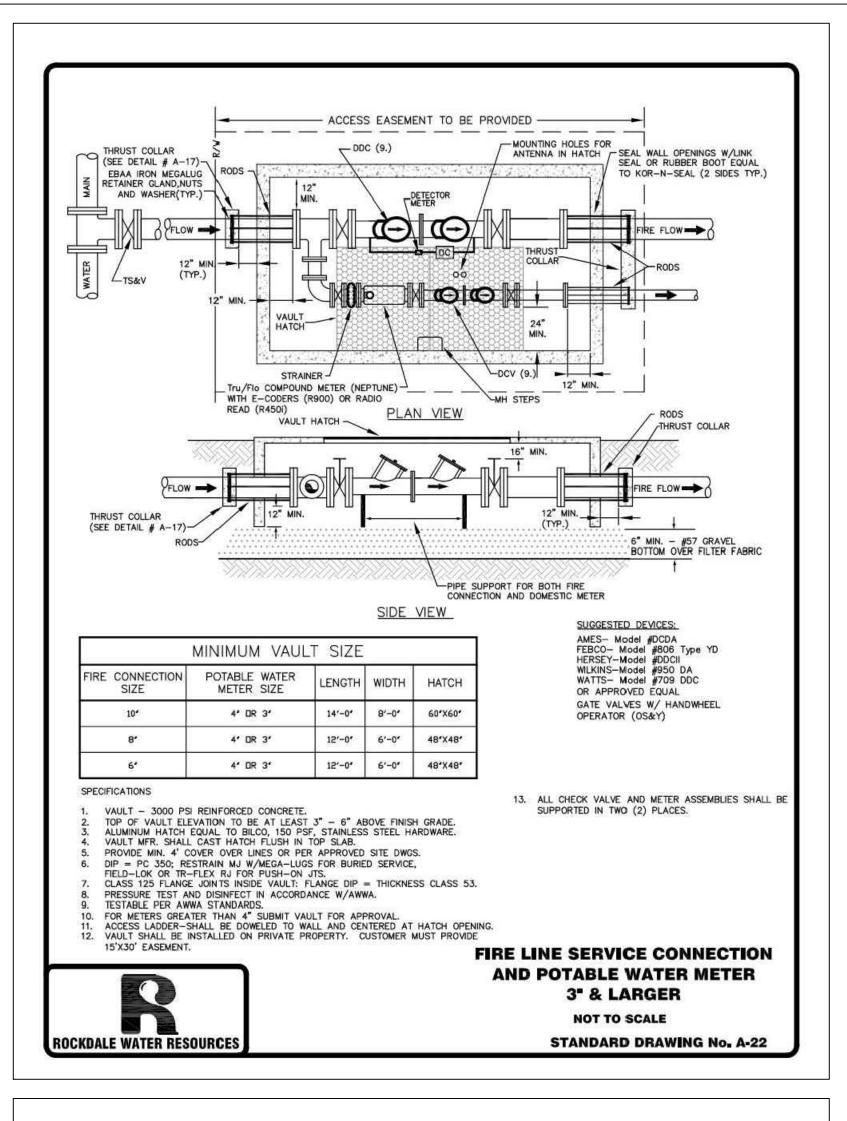
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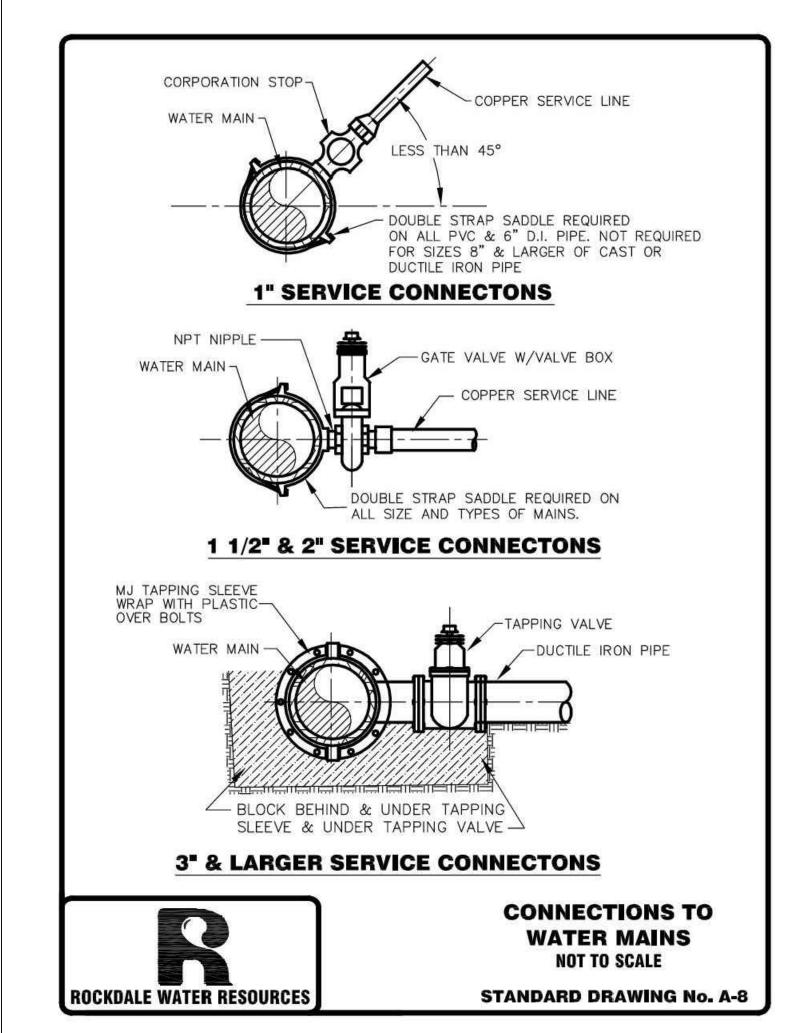
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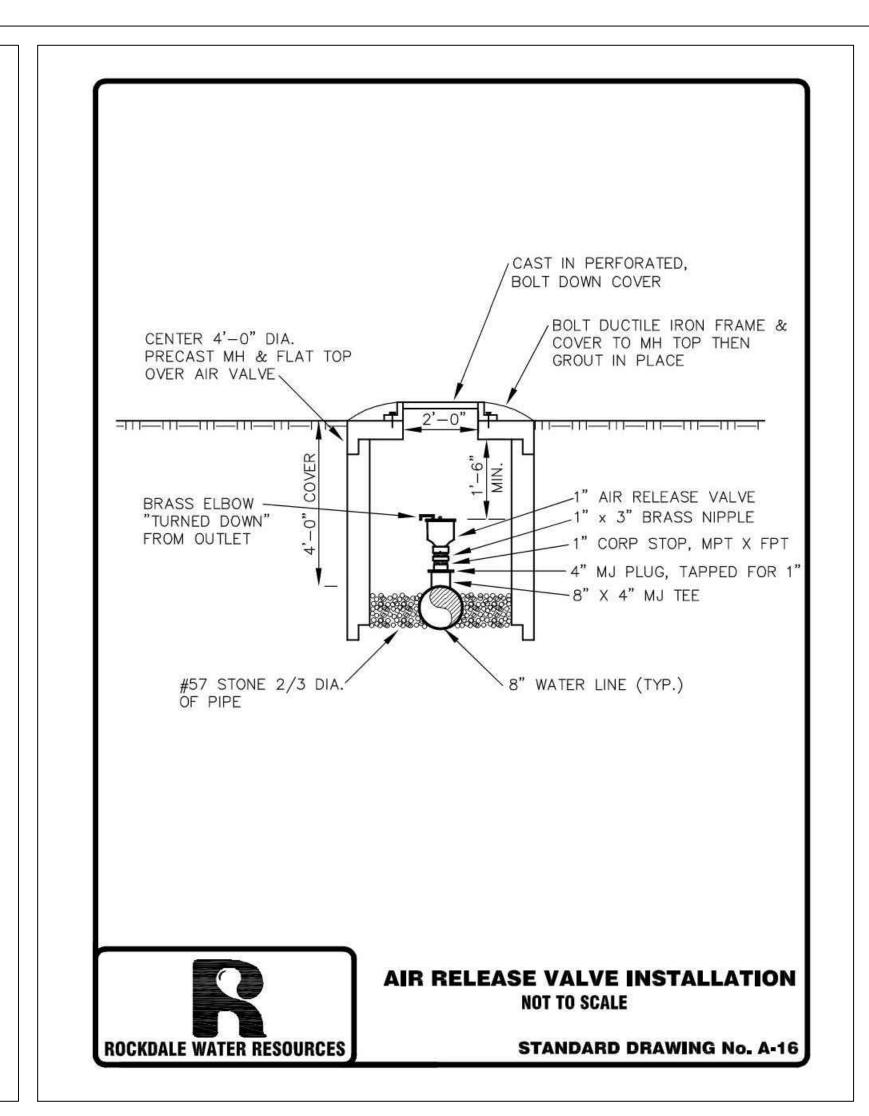
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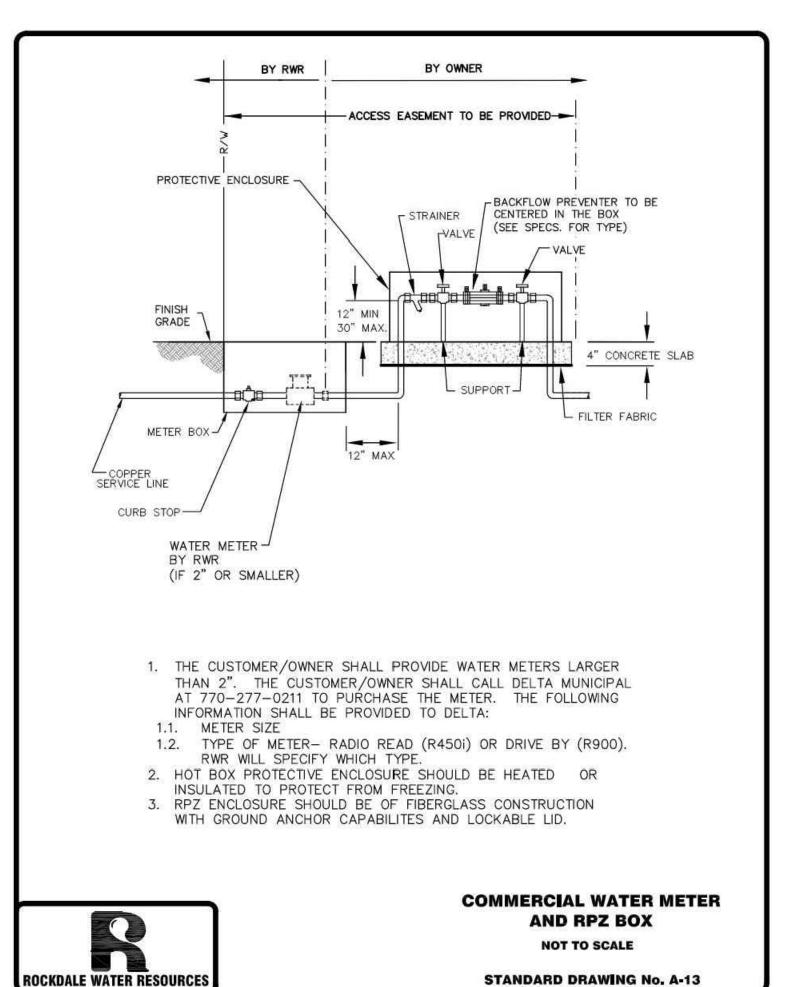
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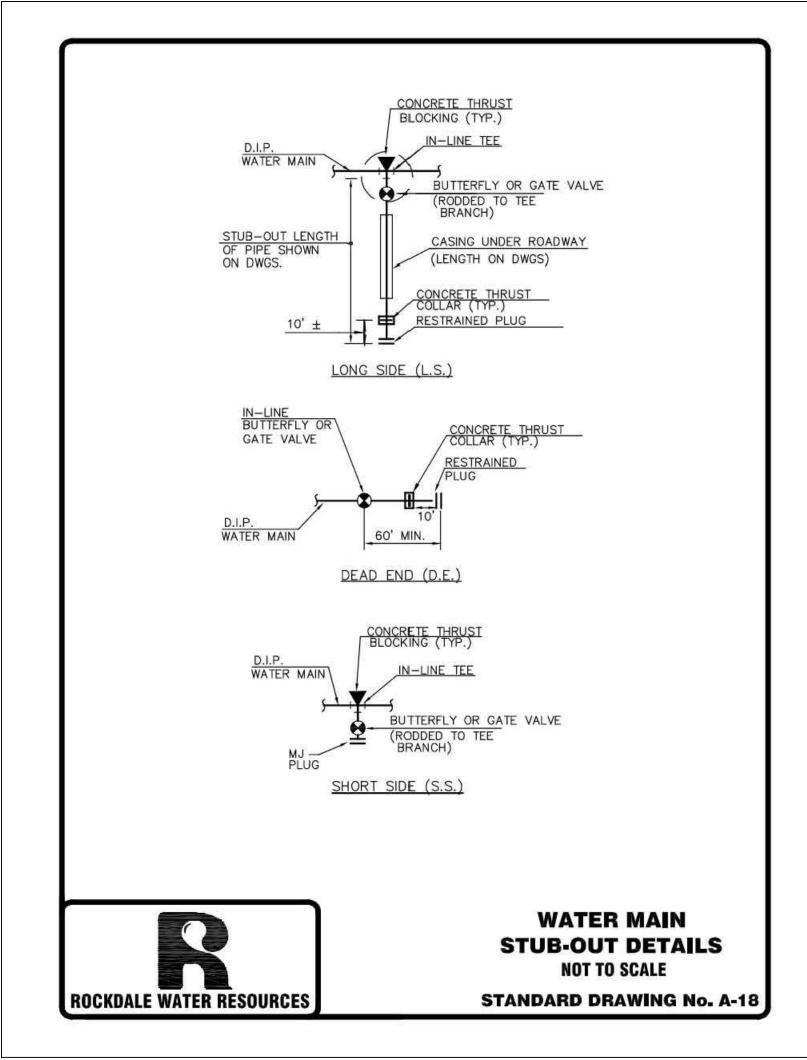
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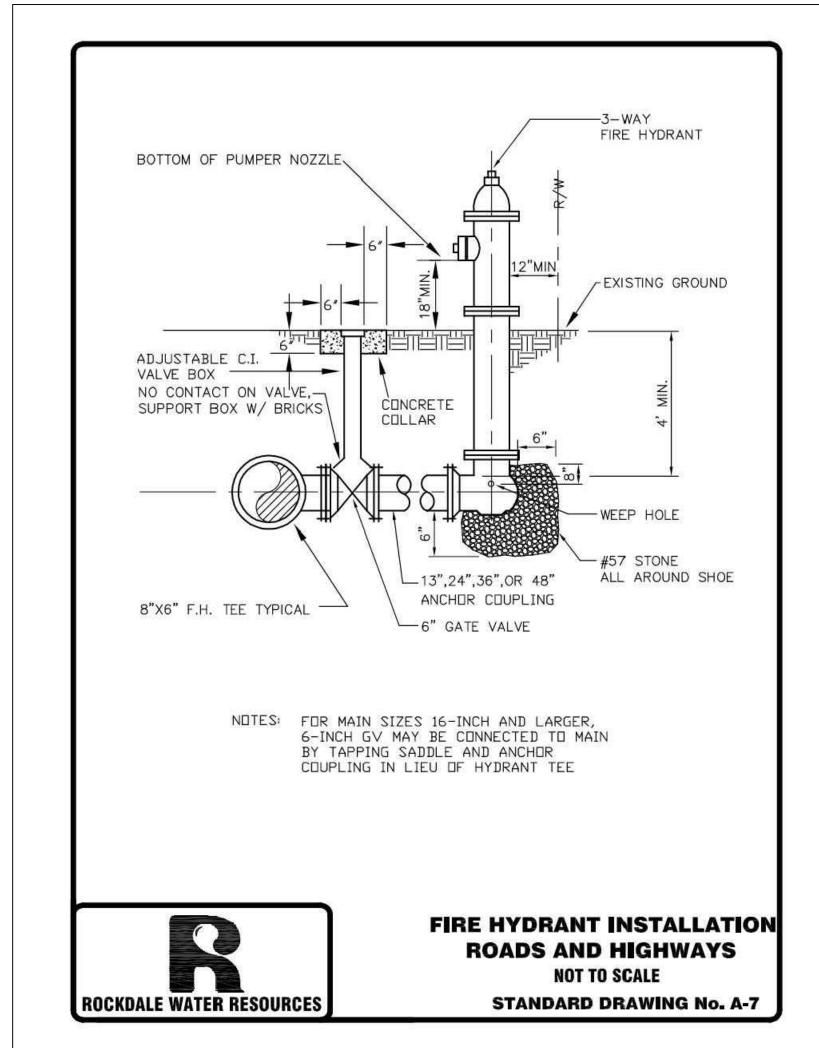




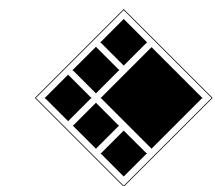












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OCKDALE COUNTY FIRE RAIINNG CAMPUS

ROCKDALE COUNCERS

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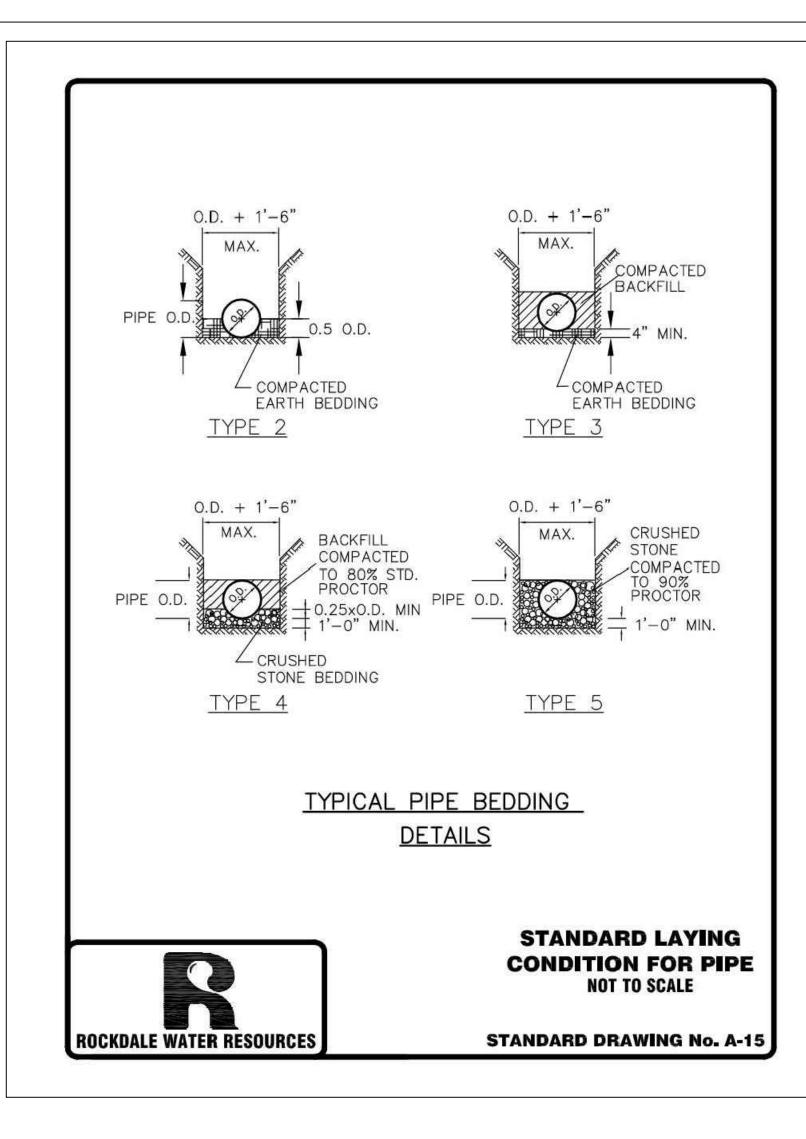
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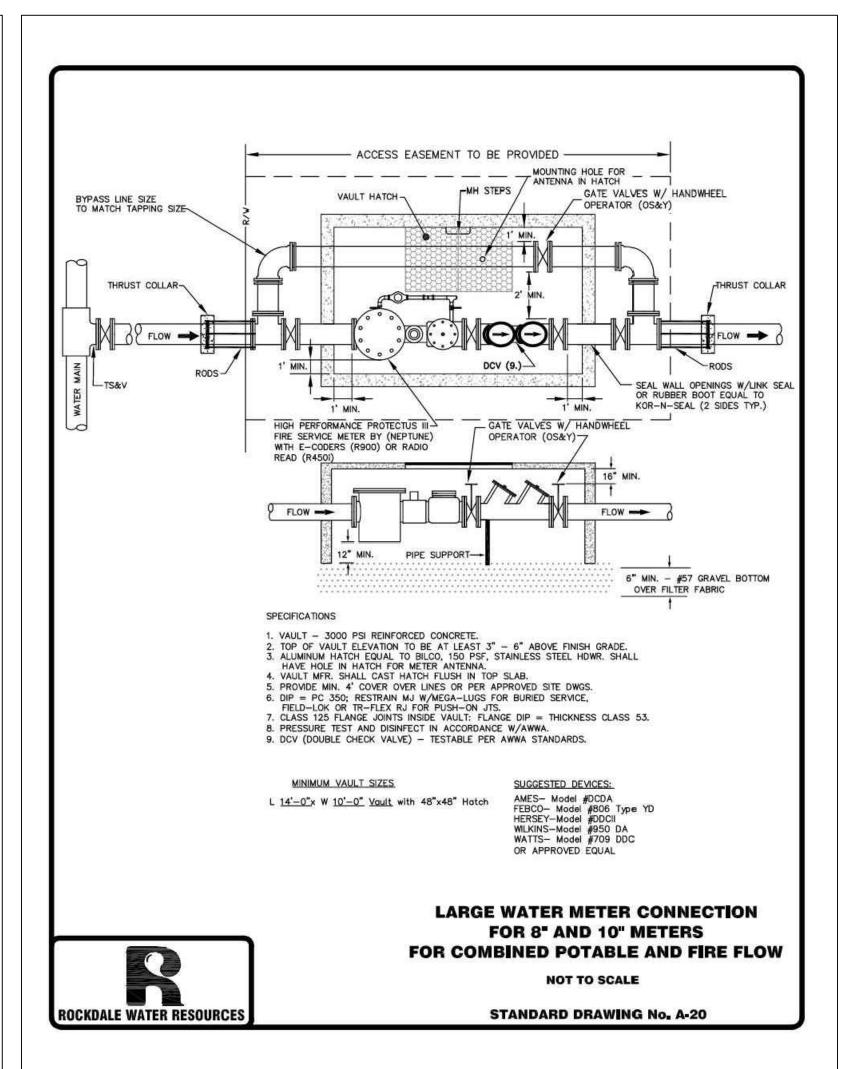
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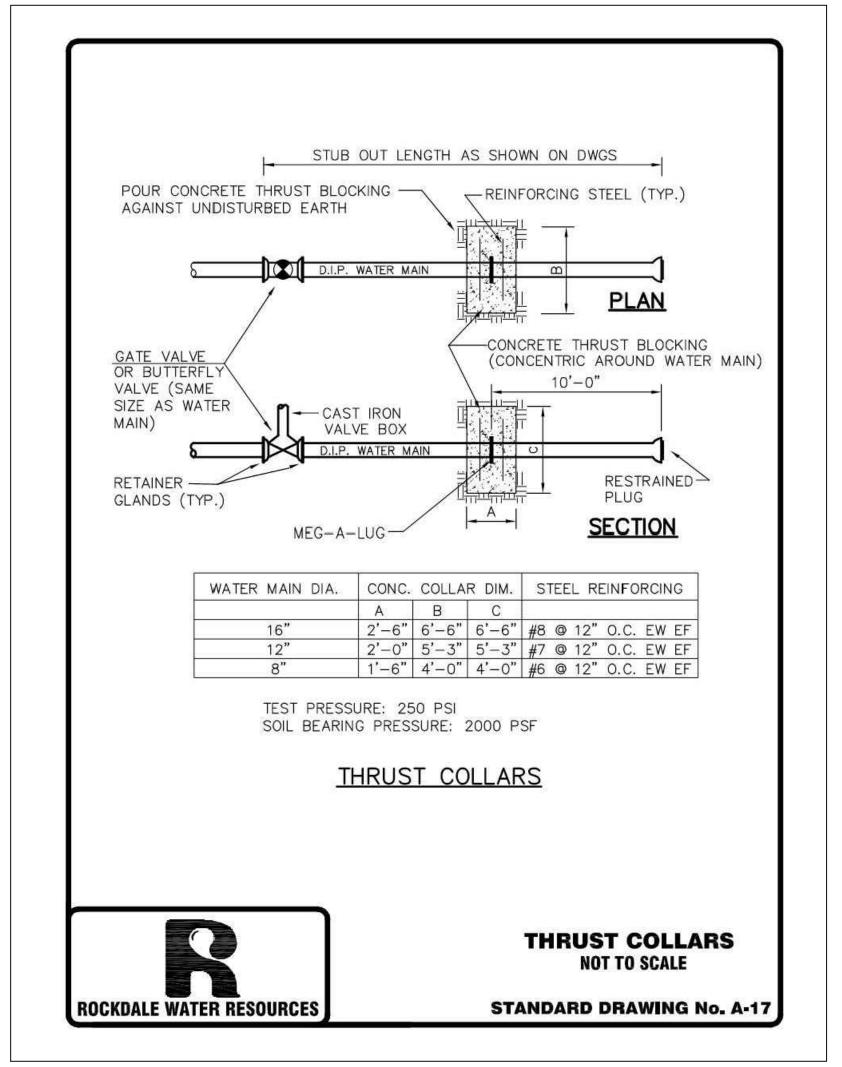
ROCKDALE COUNTY STANDARD DETAILS

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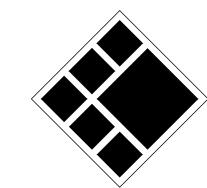
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ROCKDALE COUNTY FIRE TRAIINNG CAMPUS

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