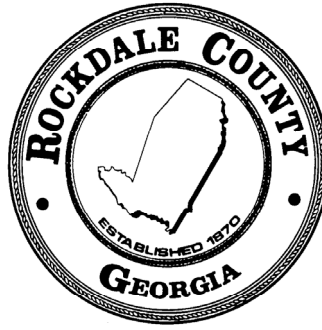


BOARD OF COMMISSIONERS

OSBORN NESBITT, SR., CHAIRMAN
Sherri L. Washington, Commissioner Post I
Dr. Doreen Williams, Commissioner Post II



DEPARTMENT OF FINANCE
MICHELLE IRIZARRY, CFO
TELEPHONE: 770-278-7555
FACSIMILE: 770- 278-8910

Addendum No. 2

**RFP No. 23-29
FIRE TRAINING CENTER SITE CONSTRUCTION
SERVICES**

March 18, 2024

RFP #23-28 is hereby amended as follows:

1. Below are questions received and corresponding answers:

A. Question: Scope of Work: Is the Contractor responsible for all Concrete and Asphalt Paving including the building pads where the Burn Building and Teaching Shed will be placed? The Scope of Work page 12 states 'building/shed and pad by others.'

Answer: Yes, the contractor is responsible for all concrete and asphalt but excludes concrete pads for Burn Building, Restroom building, and teaching shed. The restroom and teaching shed locations have been revised (see attached revised plan).

B. Question: Fencing - The plans do not specify any security fence other than the Chain Link fence at the detention pond. Is there any other fencing required?

Answer: No

C. Question: Testing of materials - Will the County be responsible for hiring a testing agency for testing materials (ie. compaction, concrete, asphalt) or will this be paid by the contractor?

Answer: Yes, County will take care of material testing

D. Question: Contract: Fees and Compensation - Retention is noted at 10% in the sample contract however Georgia amended the retainage laws lower to 5% in 2022 for public work. Is 5% or 10% applicable for this project?

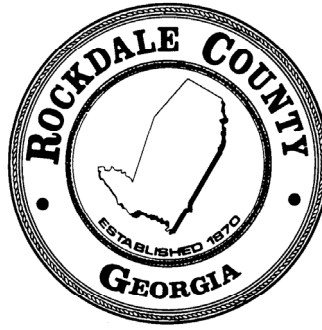
Answer: Yes, 5% is applicable for this project.

E. Question: I am showing extra dirt on this site. Is there a place on the property where we can lose it?

Answer: Dirt can be spread out only in the limits of disturbance and shall not affect the grading. All extra to be removed.

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F. Question: Are there any specifications for the fencing?

Answer: No

2. All other conditions remain in full force and effect.
3. If a proposal has been submitted and anything in this Addendum causes the contractor to change the item offered or to increase or decrease the proposal price, the new price and/or changes will be inserted below:

4. All contractors under this Request for Proposal are kindly requested to acknowledge receipt of this Addendum on the Proposal Form, page 14 of this RFP.

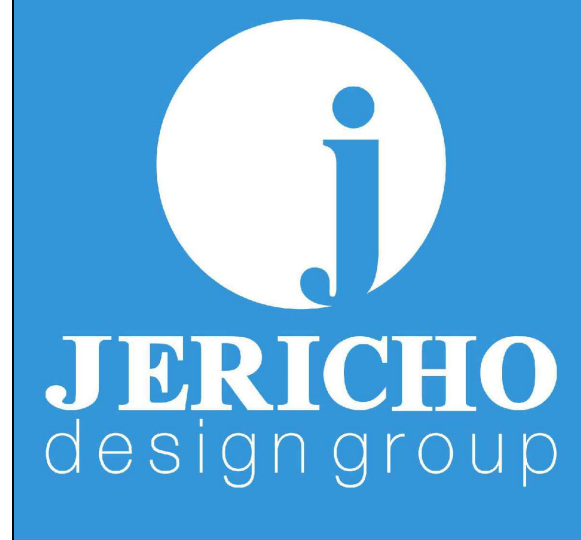
Tina Malone

Tina Malone, CPPB CPPO
Purchasing & Procurement Manager
Department of Finance, Purchasing Division

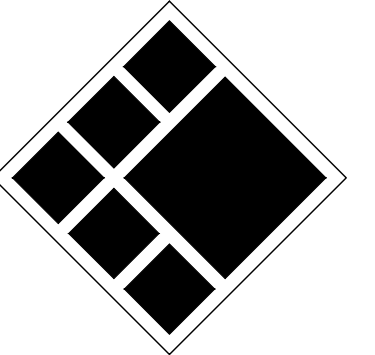
ROCKDALE COUNTY FIRE TRAINING CAMPUS

3111 SW HIGHWAY 212
CONYERS, GEORGIA 30012

PREPARED FOR:
ROCKDALE COUNTY GOVERNMENT
958 MILSTEAD AVE NE, CONYERS, GA 30012



208 Pirkle Ferry Road, Suite C
Cumming, GA 30040



BREEDLOVE LAND PLANNING
Landscape Architects • Civil Engineers
15 Simpson Street, NW, Atlanta, GA 30308
P: 770-483-1173 • www.landplanning.net

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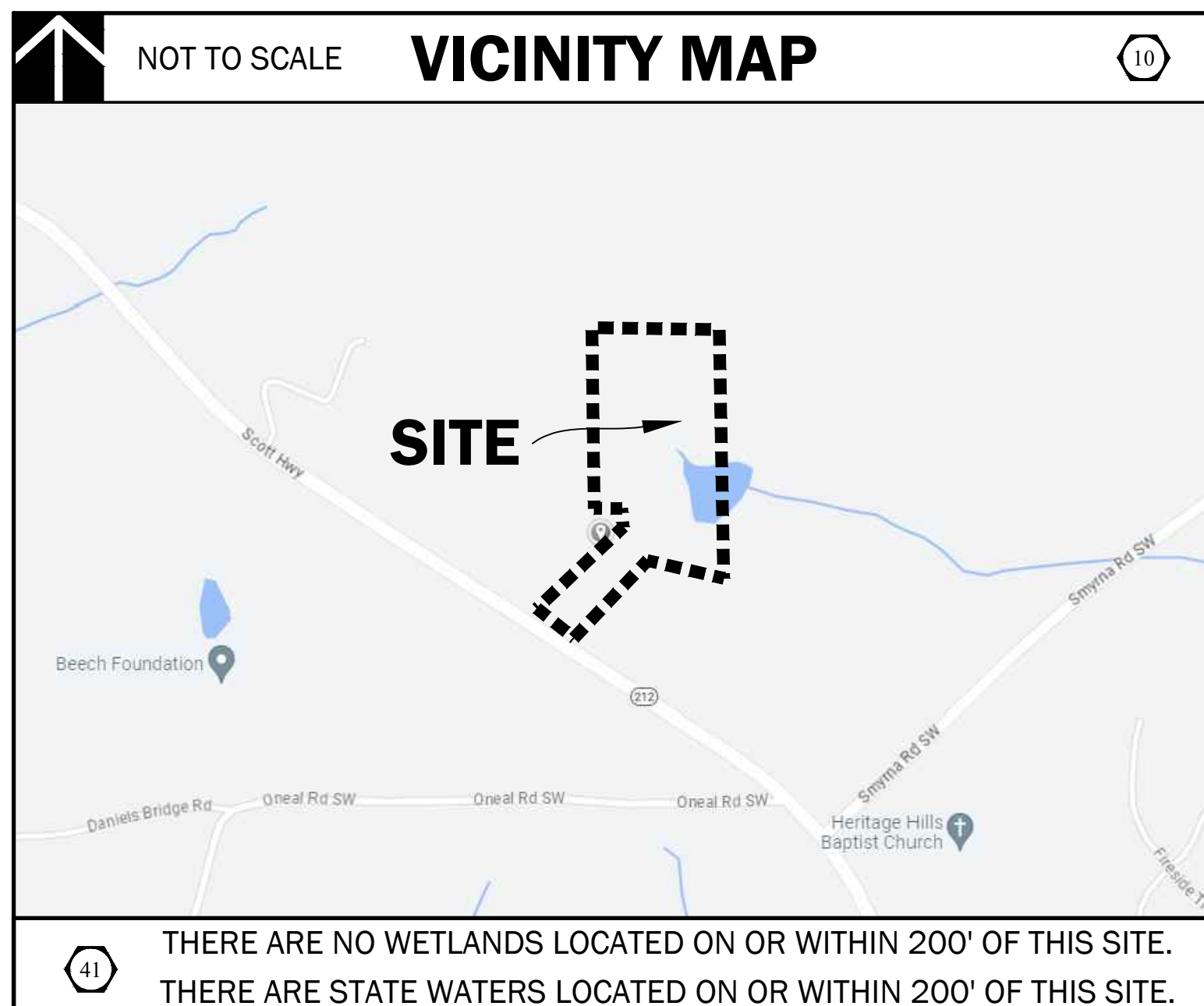


ROCKDALE COUNTY FIRE
TRAINING CAMPUS

ROCKDALE COUNTY BOARD OF
COMMISSIONERS

3111 SW HIGHWAY 212
CONYERS, GEORGIA 30012

PROJECT INFORMATION



PROJECT CONTACTS

OWNER/PRIMARY PERMITTEE:
NAME: ROCKDALE COUNTY BOARD OF COMMISSIONERS
ADDRESS: 958 MILSTEAD AVENUE SE
CITY: ST. ZIP: CONYERS, GA 30012
CONTACT: ANDREW HAMMER
PHONE: 678-381-1081
EMAIL: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV

ARCHITECT:
NAME: JERICHO DESIGN GROUP
ADDRESS: 208 PIRKLE FERRY ROAD, SUITE C
CITY: ST. ZIP: CUMMING, GA 30040
CONTACT: DOUG SHAUW
PHONE: 478-528-1043
EMAIL: DSHAUW@JERICHO-DESIGN.COM

SITE DESIGN:
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

SURVEYOR:
NAME: ROCHESTER AND ASSOCIATES, LLC
ADDRESS: 425 OAK STREET NW
CITY/STATE/ZIP: GAINESVILLE, GA 30601
CONTACT: AJ ALLISON
EMAIL: AJALLISON@ROCHESTER-ASSOC.COM

GENERAL NOTES

1. NOTIFY ALL UTILITY PROVIDERS 24-HOURS PRIOR TO THE BEGINNING OF UTILITY DEMOLITION AND REMOVAL OR ADJUSTMENTS.
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 THE SOURCE OF ANY LIGHT IS CONCEALED FROM PUBLIC VIEW AND FROM ADJACENT RESIDENTIAL PROPERTY AND DOES NOT INTERFERE WITH TRAFFIC.
4. ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
5. ACCESS TO SITE DURING CONSTRUCTION SHALL BE MAINTAINED AT ALL TIMES FOR EMERGENCY VEHICLES.
6. TEMPORARY SEDIMENT STORAGE FEATURES AND PERIMETER BMPs SHALL BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
7. 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.
11. 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.
13. 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 CONTRACTOR.
16. CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING EXISTING UTILITIES IDENTIFIED ON THESE PLANS AT NO ADDITIONAL COST TO THE OWNER.
17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE IN COMPLIANCE WITH APPLICABLE NPDES, PERMITS AND CLEAN WATER ACT REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE AS THE OPERATOR.
18. COMPACTION OF BACKFILL SHALL BE PER ROCKDALE COUNTY STANDARDS.
19. THERE SHALL BE NO BURIAL OF CONSTRUCTION DEBRIS OR ORGANICS ON THIS SITE. CONTRACTOR SHALL DISPOSE OF DEBRIS IN A MANNER THAT MEETS ALL FEDERAL, STATE, COUNTY AND LOCAL REGULATIONS SET FORTH BY THE GOVERNING AGENCY.
20. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY ROCKDALE COUNTY OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY WETLAND AREA DISTURBANCE.
21. ALL CONSTRUCTION TO COMPLY WITH ROCKDALE COUNTY STANDARDS.

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 TO THE SATISFACTION OF ROCKDALE COUNTY.

ROCKDALE COUNTY NOTES

1. DESIGN AND CONSTRUCTION OF ALL WATER AND SANITARY SEWER LINES SHALL CONFORM TO ROCKDALE COUNTY WATER RESOURCES WATER AND WASTEWATER STANDARDS AND SPECIFICATIONS, LATEST EDITION.
2. CONTRACTOR WILL NOTIFY RWR ENGINEERING DEPARTMENT AT LEAST 72 HOURS PRIOR TO BEGINNING OF CONSTRUCTION ON WATER AND SEWER. AN INSPECTOR WILL BE ASSIGNED, AND A PRE-CONSTRUCTION MEETING SCHEDULED AT THIS TIME.
3. AS-BUILT DRAWINGS SHALL BE FIELD VERIFIED AND STAMPED BY A REGISTERED PROFESSIONAL ENGINEER OR LAND SURVEYOR, LICENSED IN THE STATE OF GEORGIA.
4. THE CONTRACTOR SHALL COMPLY WITH ALL UTILITIES PROTECTION CENTER REQUIREMENTS.

UTILITY LOCATION NOTES

1. 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.
2. CONTRACTOR SHALL IMMEDIATELY REPAIR ALL UTILITIES DAMAGED BY CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO THE OWNER.
3. 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.
4. 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.

SITE PLAN LEGENDS

LAYOUT & STAKING	SITE UTILITIES
⊕ COORDINATE POINT	—W— DOMESTIC WATER
⊕ P.O.B. POINT OF BEGINNING	—F— FIRE MAIN
⊕ DETAIL REFERENCE (DETAIL # SHEET)	—FH— FIRE HYDRANT
—H— HANDRAIL AND/OR GUARDRAIL	PIV— POST INDICATOR VALVE
—G.D.O.T. TYPE 400 VEHICULAR GUARDRAIL	—TB— CONCRETE THRUST BLOCKING
—P— PARKING ARROW - STRAIGHT, WHITE	—WV— WATER VALVE
—T— PARKING ARROW - TURN, WHITE	—S— GRAVITY SANITARY SEWER
—C— PAINTED CROSSWALK - WHITE	—FM— FORCE MAIN
—A— ADA PARKING ACCESS AISLE - BLUE	
—I— PAINTED WORD 'STOP' - WHITE	
—O— PAINTED WORD 'ONLY' - WHITE	

PAVEMENT MARKINGS	GENERAL
—P— PARKING ARROW - STRAIGHT, WHITE	—TP— TREE PROTECTION FENCE
—T— PARKING ARROW - TURN, WHITE	—L— LIMITS OF CONSTRUCTION
—C— PAINTED CROSSWALK - WHITE	—X— EXISTING TREE TO BE REMOVED
—A— ADA PARKING ACCESS AISLE - BLUE	
—I— PAINTED WORD 'STOP' - WHITE	
—O— PAINTED WORD 'ONLY' - WHITE	

SIGNAGE	STORM DRAINAGE
—S— SIGN	—AI— STORM STRUCTURE LABEL
—STOP— STOP SIGN - MUTCD STANDARD R1-1	—HW— HEADWALL
—Y— YIELD SIGN - MUTCD STANDARD R1-2	—FES— FLARED END SECTION - GDOT STANDARD 102
—N— NO PARKING SIGN - MUTCD STANDARD R8-3a	—SES— SAFETY END SECTION - GDOT STANDARD 102
—DO NOT ENTER— DO NOT ENTER SIGN - MUTCD STANDARD R5-1	—CB— CATCH BASIN / GRATE INLET
—ONE WAY— ONE WAY SIGN - MUTCD STANDARD R6-2	—JB— JUNCTION BOX
	—DI (FED. TOP)— DROP INLET - PEDESTAL TOP
	—CI (102/10)— CURBS INLET - GDOT STANDARD 102a
	—SU— SINGLE-WING CATCH BASIN - GDOT STANDARD 102b
	—DU— DOUBLE-WING CATCH BASIN - GDOT STANDARD 102d
	—OC— OUTLET CONTROL STRUCTURE
	—TOP— TOP OF STRUCTURE ELEVATION
	—TH— THROAT OF STRUCTURE ELEVATION
	—HDPE— HIGH-DENSITY POLYETHYLENE PIPE
	—AS7— ALUMINIZED STEEL TYPE 2 PIPE
	—AS7-9B— AS7 SPIRAL RIB CMP (MANNING'S N=0.012, ULTRAFLOW (TM) OR APPROVED EQUAL)
	—DIP— DUCTILE IRON PIPE
	—RCP— REINFORCED CONCRETE PIPE (CLASS IV OR V) W/ RUBBER O-RING GASKET
	—PVC— POLYVINYL CHLORIDE PIPE (SCHEDULE 40)
	—INV. IN— INVERT ELEVATION - IN
	—INV. OUT— INVERT ELEVATION - OUT
	—HGL— HYDRAULIC GRADE LINE

SITE GRADING
—52— PROPOSED INTERMEDIATE CONTOURS
—50— PROPOSED INDEX CONTOURS
+50.5 SPOT ELEVATION
+HP. HIGH POINT
+LP. LOW POINT
— FLOW DIRECTION
— S WALE
2:1 SLOPE INDICATOR (H:V)
+TU 50.5 FINISHED GRADE AT TOP OF WALL
+BU 50.5 FINISHED GRADE AT BOTTOM OF WALL
+TC 50.5 TOP OF CURB ELEVATION

SHEET INDEX

SHEET #	SHEET NAME
C0.00	COVER SHEET
C0.10	TOPOGRAPHIC SURVEY 1 OF 2
C0.20	TOPOGRAPHIC SURVEY 2 OF 2
C1.00	MASTER PLAN
C1.50	DEMOLITION & REMOVAL PLAN
C2.00	STAKING & LAYOUT PLAN
C3.00	GRADING PLAN
C3.05	GRADING & DRAINAGE PLAN ROADWAY
C3.10	STORM DRAINAGE PLAN
C3.20	PIPE PROFILES
C4.00	ES&PC PLAN - PERIMETER PHASE
C4.10	ES&PC PLAN - INITIAL PHASE
C4.20	ES&PC PLAN - INTERMEDIATE PHASE
C4.30	ES&PC PLAN - FINAL PHASE
C4.40	ES&PC DETAILS
C4.51	ES&PC DETAILS
C4.52	ES&PC DETAILS
C5.00	UTILITY PLAN
C5.05	WATER LINE PLAN
C6.00	TREE PROTECTION PLAN
C7.00	SITE WORK CONSTRUCTION DETAILS
C7.01	SITE WORK CONSTRUCTION DETAILS
C7.10	ROCKDALE COUNTY STANDARD DETAILS
C7.11	ROCKDALE COUNTY STANDARD DETAILS

24-HOUR EROSION CONTACT

NAME: ANDREW HAMMER
COMPANY: ROCKDALE COUNTY BOC
EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV
PHONE NUMBER: 678-381-1081

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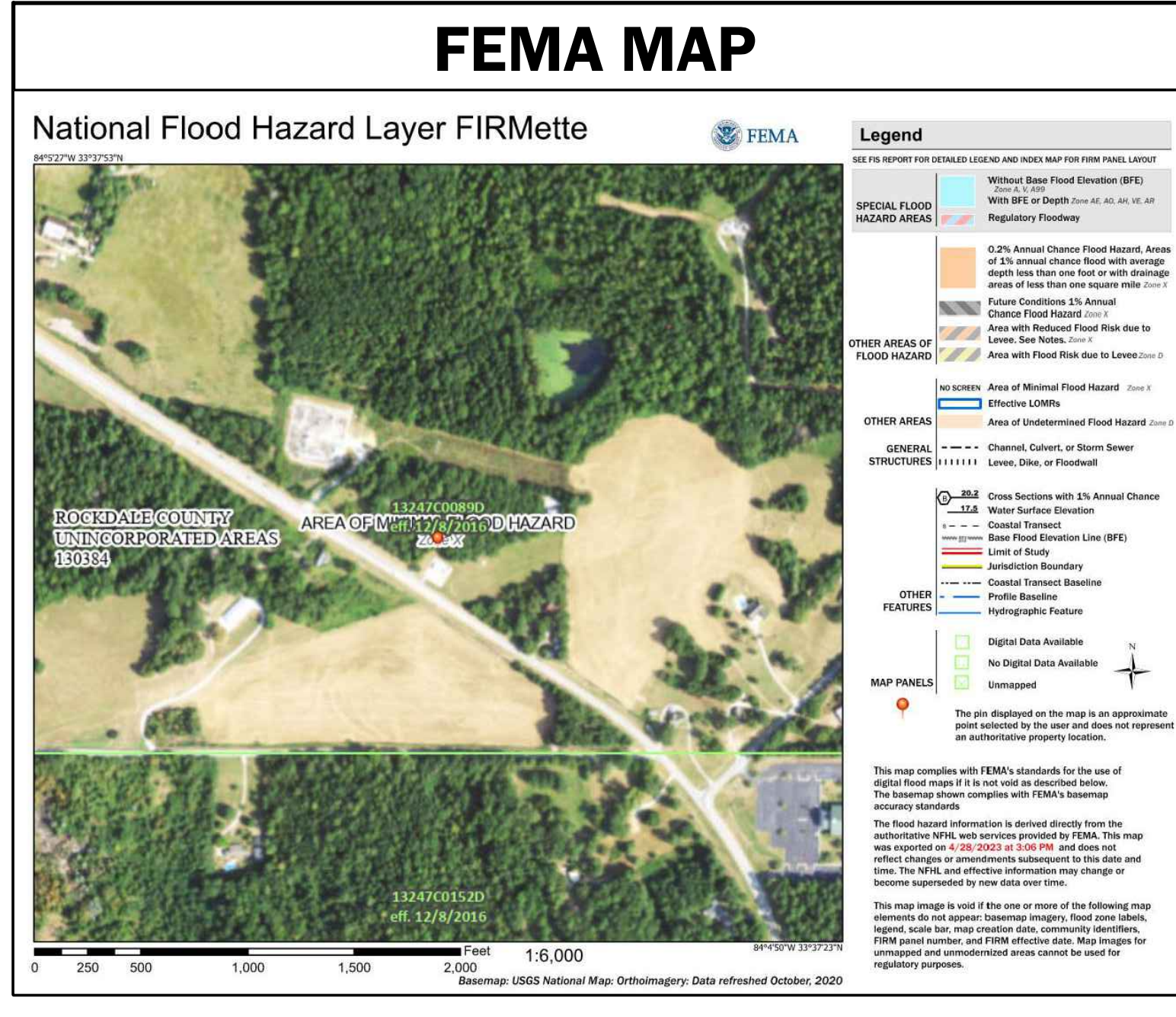
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PROJECT DATA

PROJECT ADDRESS:	SW HIGHWAY 212, CONYERS, GA 30012
TAX PARCELS:	03-0000238
LAND LOTS:	214 236
ZONING:	AR
EXISTING USE:	UNDEVELOPED
PROPOSED USE:	FIRE TRAINING CAMPUS
TOTAL AREA OF SITE:	17.49 ACRES
EXISTING IMPERVIOUS AREA:	8.15 ACRES
PROPOSED IMPERVIOUS AREA:	0.80 ACRES
LOCAL ISSUING AUTHORITY:	ROCKDALE COUNTY (LDP)
PERMIT NUMBER:	23-008936
SEWER AUTHORITY:	ROCKDALE COUNTY
PERMIT NUMBER:	23-008936
WATER AUTHORITY:	ROCKDALE COUNTY
PERMIT NUMBER:	23-008936



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PRINT RECORD

No.	DATE	DESCRIPTION
1	07/31/2023	LDP SUBMITTAL
2	09/07/2023	LDP RESUBMITTAL
3	10/12/2023	LDP RESUBMITTAL
4	01/16/2024	LDP RESUBMITTAL

Drawn By: JRQ
Checked By: BAM

Date: 05/05/2023
Job No.: 22051

Sheet Title:

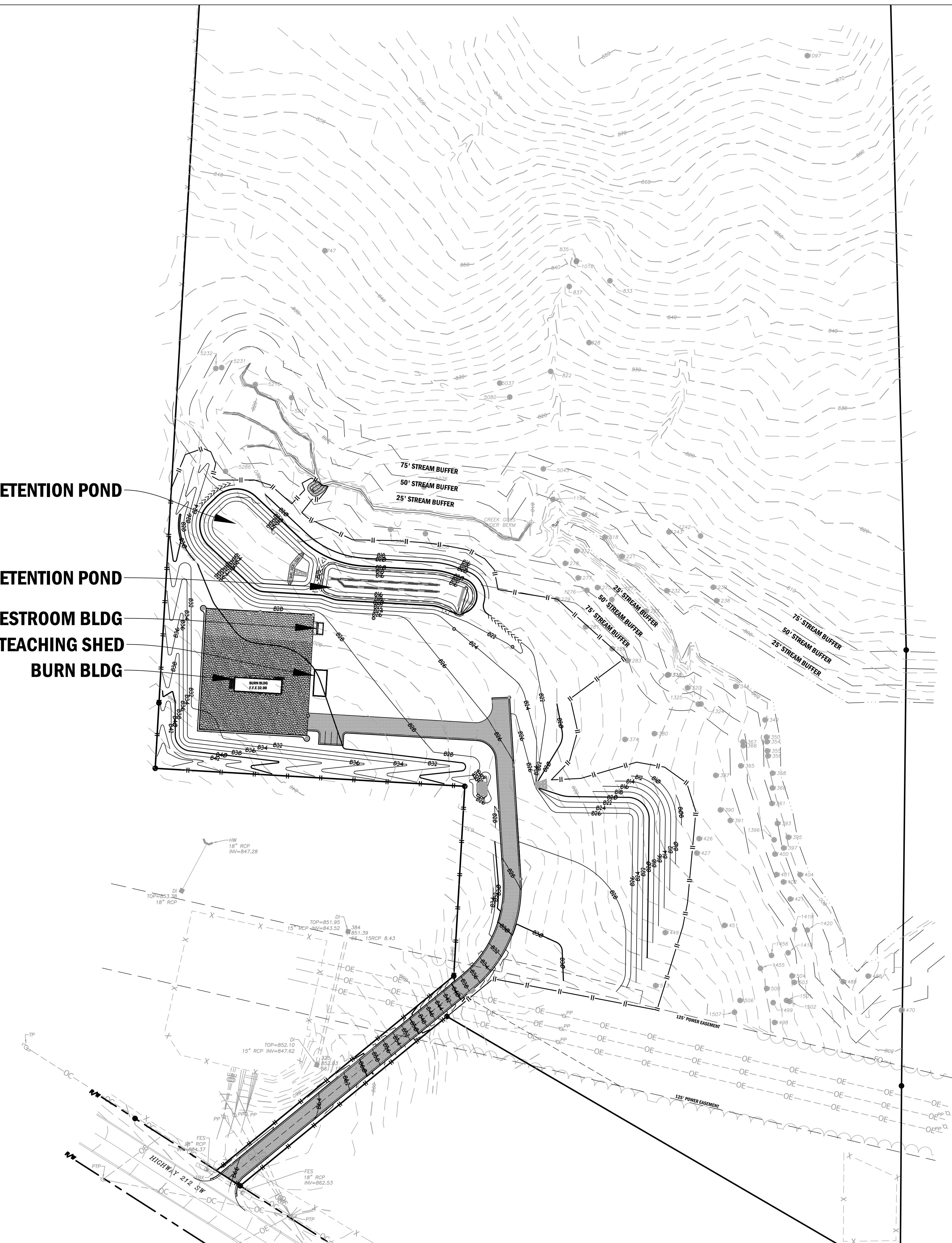
COVER SHEET

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DETENTION POND
 BIO-RETENTION POND
 RESTROOM BLDG
 TEACHING SHED
 BURN BLDG



24-HOUR EROSION CONTACT

NAME: ANDREW HAMMER
 COMPANY: ROCKDALE COUNTY BOC
 EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV
 PHONE NUMBER: 678-381-1081

GRAPHIC SCALE & ORIENTATION

40 80 160 240
 SCALE: 1"=80'-0"

UTILITY LOCATION NOTES

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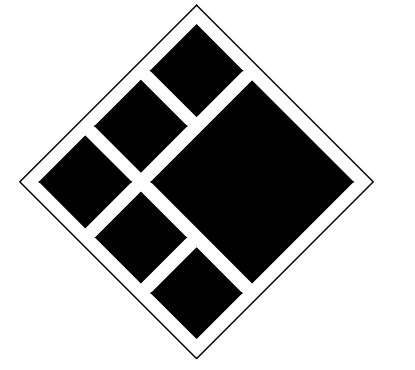
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**ROCKDALE COUNTY FIRE
 TRAINING CAMPUS**

**ROCKDALE COUNTY BOARD OF
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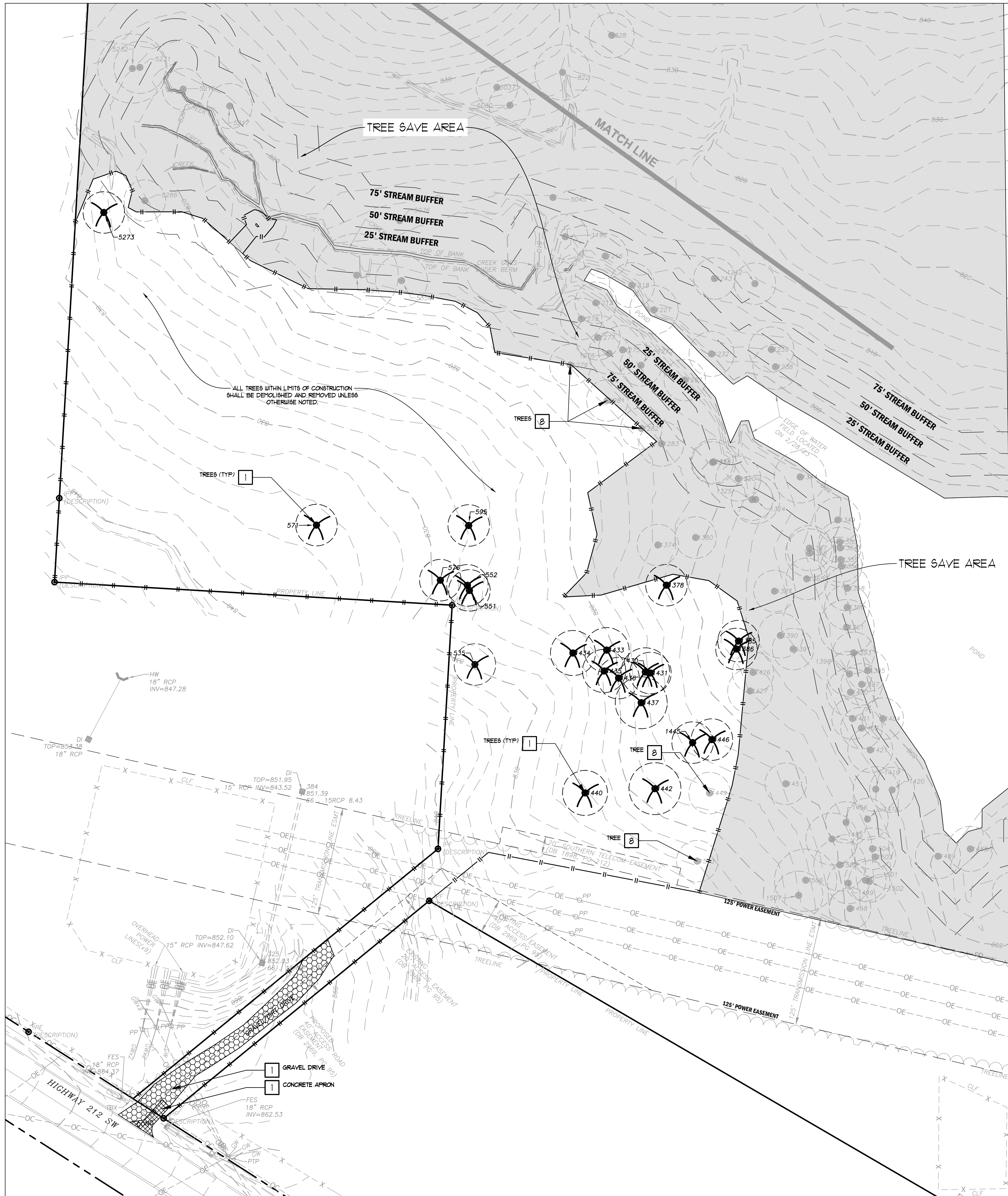
Drawn By: JRQ
 Checked By: BAM
 Date: 05/05/2023
 Job No.: 22051
 Sheet Title:

MASTER PLAN

Sheet No.
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- ### 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 MODIFICATIONS.
 - 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.
 - UNLESS OTHERWISE NOTED, EXISTING ITEMS WITHIN THE PROJECT LIMITS WILL BE 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 BE RESPONSIBLE FOR REMOVAL OF ALL FENCING WITHIN LIMITS OF WORK UNLESS OTHERWISE NOTED.
 - CONTRACTOR SHALL COORDINATE WITH OWNER THE REMOVAL ANY EXISTING LANDSCAPE MATERIALS OR SITE FEATURES WHICH THE OWNER ELECTS TO RETAIN.
 - CONTRACTOR SHALL ACCOMPLISH DEMOLITION WITHIN THE DRIP-LINE OF EXISTING SPECIMEN TREES BY UTILIZING HAND LABOR PROCEDURES WITHOUT DAMAGING THE ROOT SYSTEM OF TREE.
 - CONTRACTOR SHALL BE RESPONSIBLE TO MAINTAIN SAFE, CLEARLY MARKED PEDESTRIAN ACCESS ROUTES TO ALL BUILDING ENTRANCES THROUGHOUT ALL PHASES OF CONSTRUCTION.
 - CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AWAY FROM BUILDINGS AT ALL TIMES.
 - LIMITS OF CURB AND GUTTER DEMOLITION ARE SUBJECT TO THE NEAREST CONSTRUCTION JOINT.
 - CURB AND GUTTER AND WALKS SHALL BE REPAIRED TO THE NEAREST CONSTRUCTION JOINT.
 - 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 HIGHER 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 PAVING 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.
 - CONTRACTOR SHALL COORDINATE THE REMOVAL AND OR RELOCATION OF EXISTING GAS AND WATER METERS, VALVES, LINES, POULER, TELEPHONE AND CABLE LINES THAT SERVE THE EXISTING BUILDINGS WITH THE APPROPRIATE UTILITY COMPANIES.
 - CONTRACTOR IS RESPONSIBLE FOR REPAIRING IMMEDIATELY ANY DAMAGE TO AN ACTIVE UTILITY.
 - REFER TO SITE UTILITY PLANS FOR RELOCATION, REMOVAL, ABANDONMENT, AND/OR MODIFICATION OF ALL EXISTING PLUMBING FEATURES ON SITE.

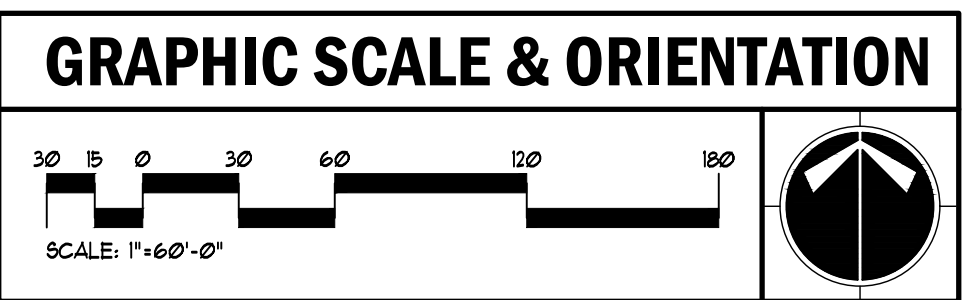
DEMOLITION LEGEND

1	TO BE REMOVED BY THE CONTRACTOR OR AT THE CONTRACTORS EXPENSE
2	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
4	RELOCATE AS NECESSARY (RAN) AND/OR ADJUST AS NECESSARY AT THE CONTRACTORS EXPENSE
5	TO BE REMOVED, RELOCATED, MODIFIED OR ADJUSTED BY OTHERS
6	SAW CUT LINE
7	TO BE REMOVED BY CONTRACTOR OR AT THE CONTRACTORS EXPENSE AND RETAINED FOR REUSE AT THIS SITE
8	SAVE & PROTECT DURING CONSTRUCTION
[Pattern]	CONCRETE WALKS, CONCRETE STAIRS, CONCRETE RAILS OR OTHER CONC. PAVEMENT REMOVAL LIMITS (DEMOLISH & REMOVE PAVEMENTS TO SUBGRADE)
[Pattern]	ASPHALT PAVEMENT REMOVAL LIMITS (DEMOLISH & REMOVE PAVEMENTS TO SUBGRADE)
[Pattern]	GRAVEL REMOVAL LIMITS (DEMOLISH & REMOVE TO SUBGRADE)
[Pattern]	BUILDING STRUCTURE DEMOLITION LIMITS (CONTRACTOR SHALL COORDINATE DEMOLITION OF ALL BUILDING UTILITIES WITH ARCHITECT & MEP)
[Pattern]	CONCRETE CURB AND GUTTER REMOVAL (DEMOLISH AND REPAIR TO NEAREST CONSTRUCTION JOINT)
[Pattern]	LIMITS OF CONSTRUCTION ACTIVITY
[Pattern]	TREE REMOVAL AREA
[Pattern]	TREE SAVE AREA
[Symbol]	EXISTING TREE TO BE REMOVED

ALL TREES WITHIN LIMITS OF CONSTRUCTION SHALL BE DEMOLISHED AND REMOVED UNLESS OTHERWISE NOTED.

24-HOUR EROSION CONTACT

NAME: ANDREW HAMMER
 COMPANY: ROCKDALE COUNTY BOC
 EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV
 PHONE NUMBER: 678-381-1081



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7-DAY LETTER CERTIFICATION

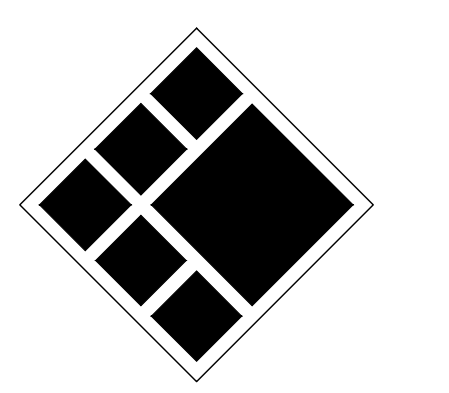
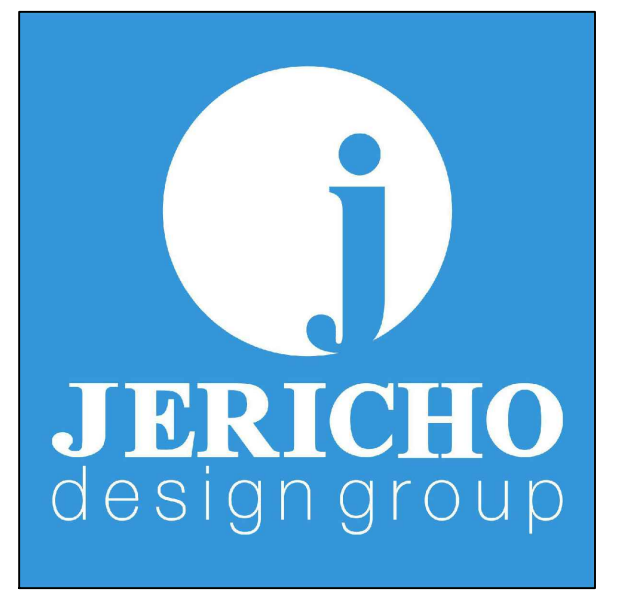
THE BELOW SIGNATURE VERIFIES THAT A 7-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

SIGNED: DATE: 01/18/2024

CERTIFIED DESIGN PROFESSIONAL, JUSTIN M TANNER
 GSOUC CERTIFICATION NO. LEVEL II * 0000029448
 EXPIRATION DATE: 03-29-2024
 COMPANY: BREEDLOVE LAND PLANNING, INC.

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 Landscape Architects & Civil Engineers
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 P: 770-483-1173 • www.landplanning.net

BLP PROJ. NO. 22158



ROCKDALE COUNTY FIRE TRAINING CAMPUS

ROCKDALE COUNTY BOARD OF COMMISSIONERS

3111 SW HIGHWAY 212
 CONYERS, GEORGIA 30012

PRINT RECORD

No.	DATE	DESCRIPTION
1	07/31/2023	LDP SUBMITTAL
2	09/07/2023	LDP RESUBMITTAL
3	10/12/2023	LDP RESUBMITTAL
4	01/18/2024	LDP RESUBMITTAL

Drawn By: JRQ
 Checked By: BAM

Date: 05/05/2023
 Job No.: 22051

Sheet Title:

DEMOLITION AND REMOVAL PLAN

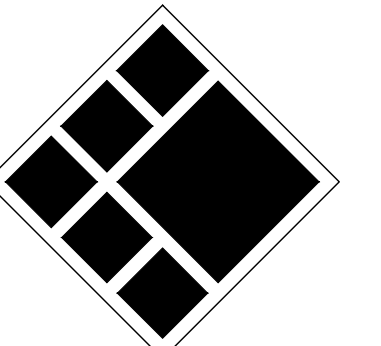
Sheet No. **C-1.50**

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TRAINING CAMPUS**

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4	01/16/2024	LDP RESUBMITTAL

Drawn By: JRQ
Checked By: BAM
Date: 05/05/2023
Job No.: 22051
Sheet Title: GRADING PLAN

Sheet No.: **C-3.00**
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GSBOCC CERTIFICATION NO. LEVEL II * 0000029448
EXPIRATION DATE: 03-29-2024
COMPANY: BREEDLOVE LAND PLANNING, INC.

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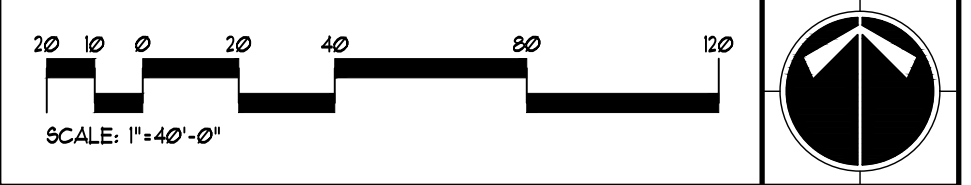
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NAME: ANDREW HAMMER
COMPANY: ROCKDALE COUNTY BOC
EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV
PHONE NUMBER: 678-381-1081

GRAPHIC SCALE & ORIENTATION



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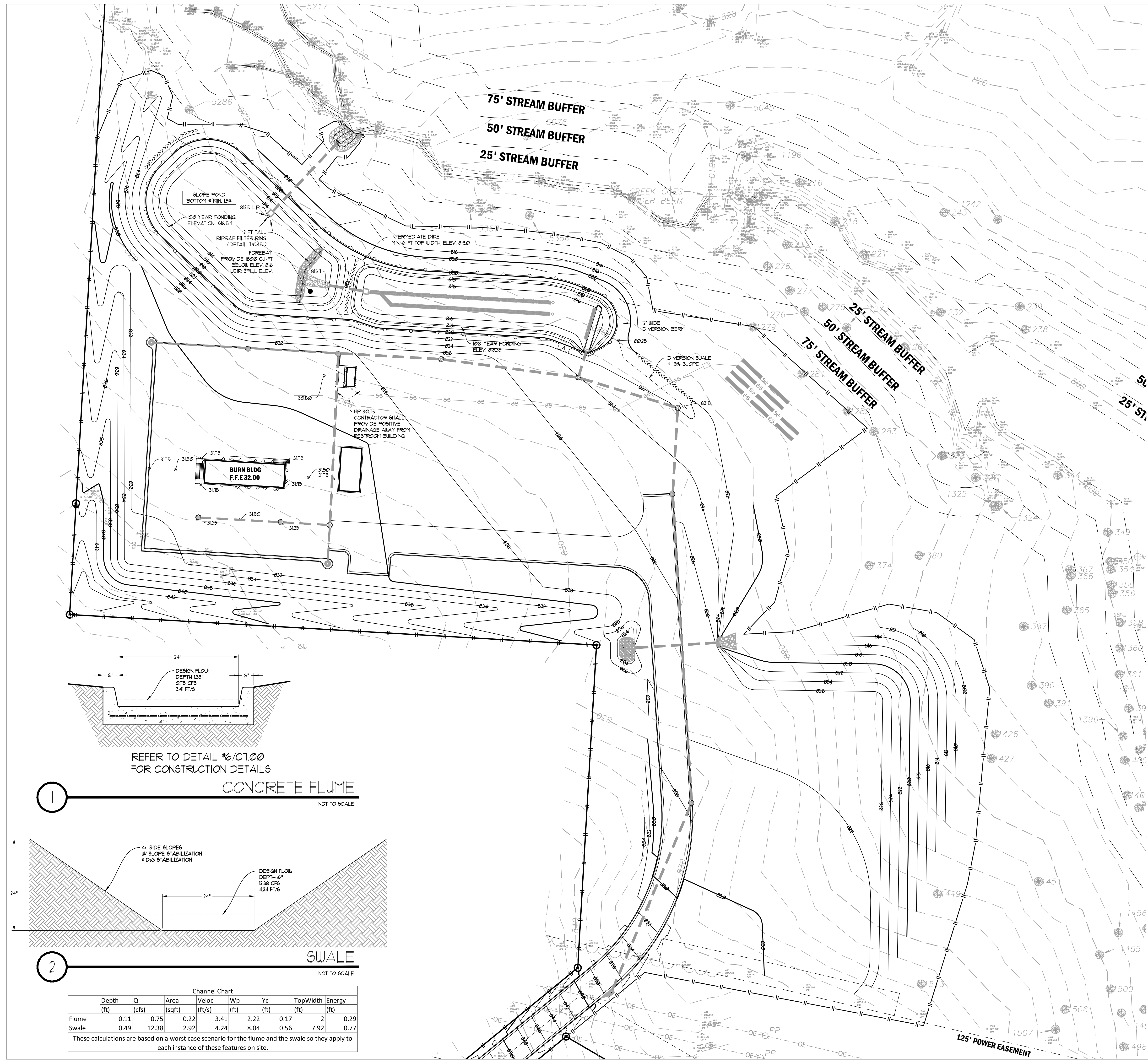
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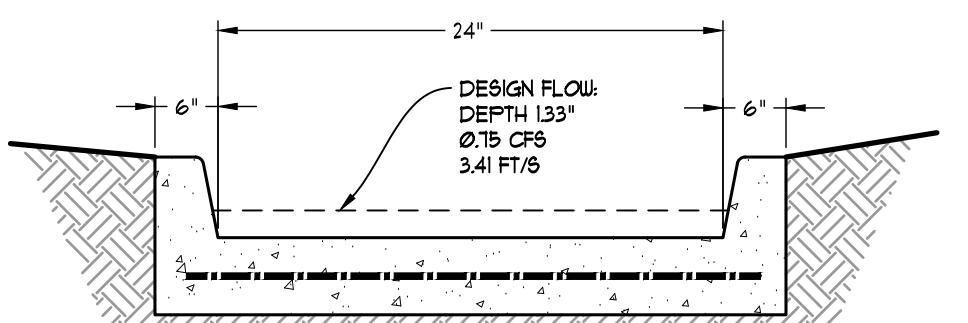
SLOPE POND
BOTTOM MIN. 15%
100 YEAR FLOODING
ELEVATION: 816.54
2 FT TALL
RIPRAP FILTER RING
(DETAIL 1/C45)
FOREBAY
PROVIDE 1800 GALT
BELOW ELEV. 816
WEIR SPILL ELEV.

INTERMEDIATE DIKE
MIN. 6 FT TOP WIDTH, ELEV. 819.0

DIVERSION SWALE
15% SLOPE

HP 30.75
CONTRACTOR SHALL
PROVIDE POSITIVE
DRAINAGE AWAY FROM
RESTROOM BUILDING

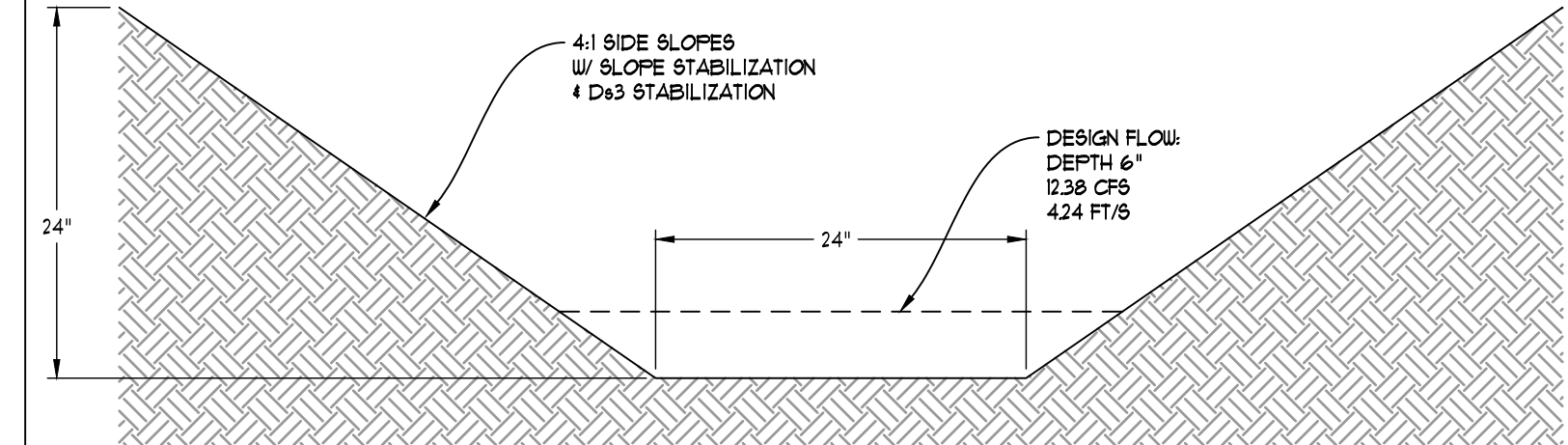
BURN BLDG
F.F.E 32.00



REFER TO DETAIL 1/C100
FOR CONSTRUCTION DETAILS

CONCRETE FLUME

NOT TO SCALE



SWALE

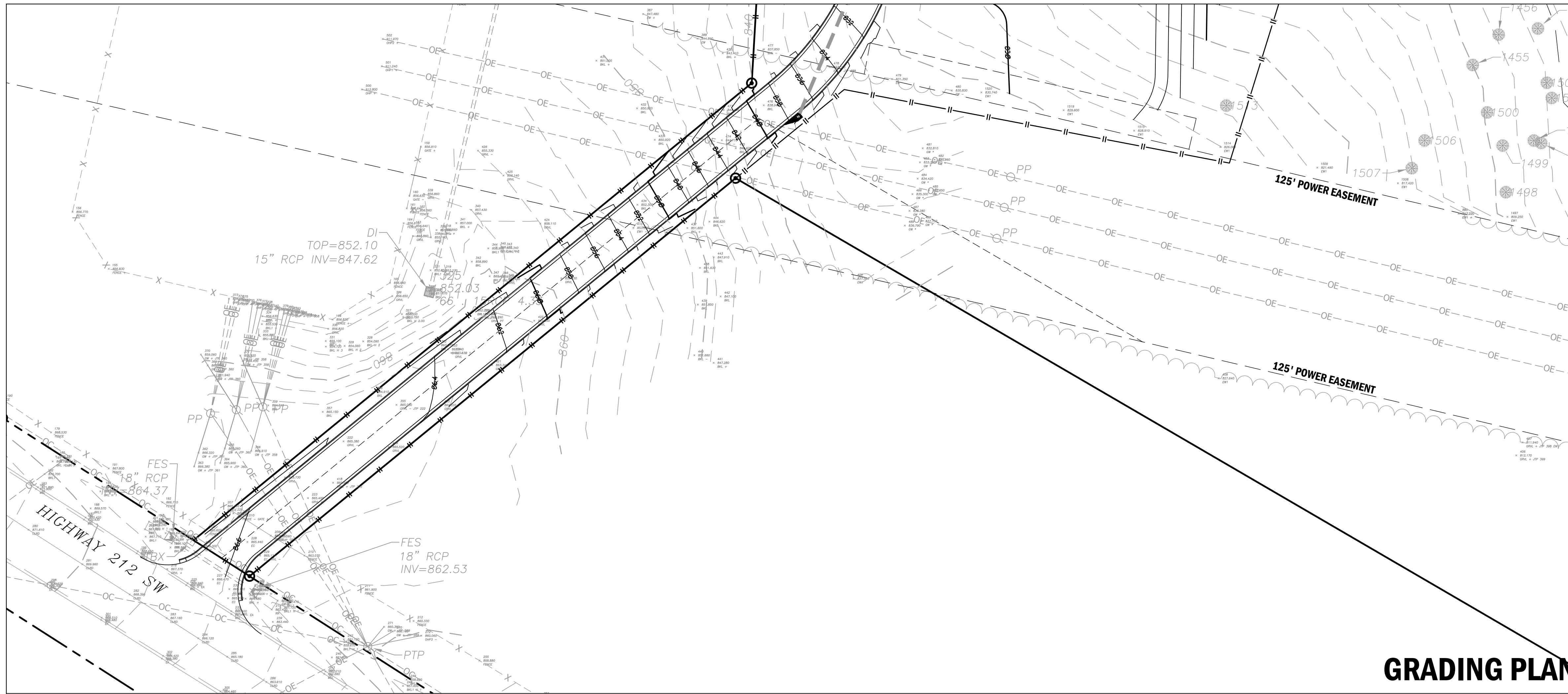
NOT TO SCALE

Channel Chart								
Depth (ft)	Q (cfs)	Area (sqft)	Veloc (ft/s)	Wp (ft)	Yc (ft)	TopWidth (ft)	Energy (ft)	
Flume	0.11	0.75	0.22	3.41	2.22	0.17	2	0.29
Swale	0.49	12.38	2.92	4.24	8.04	0.56	7.92	0.77

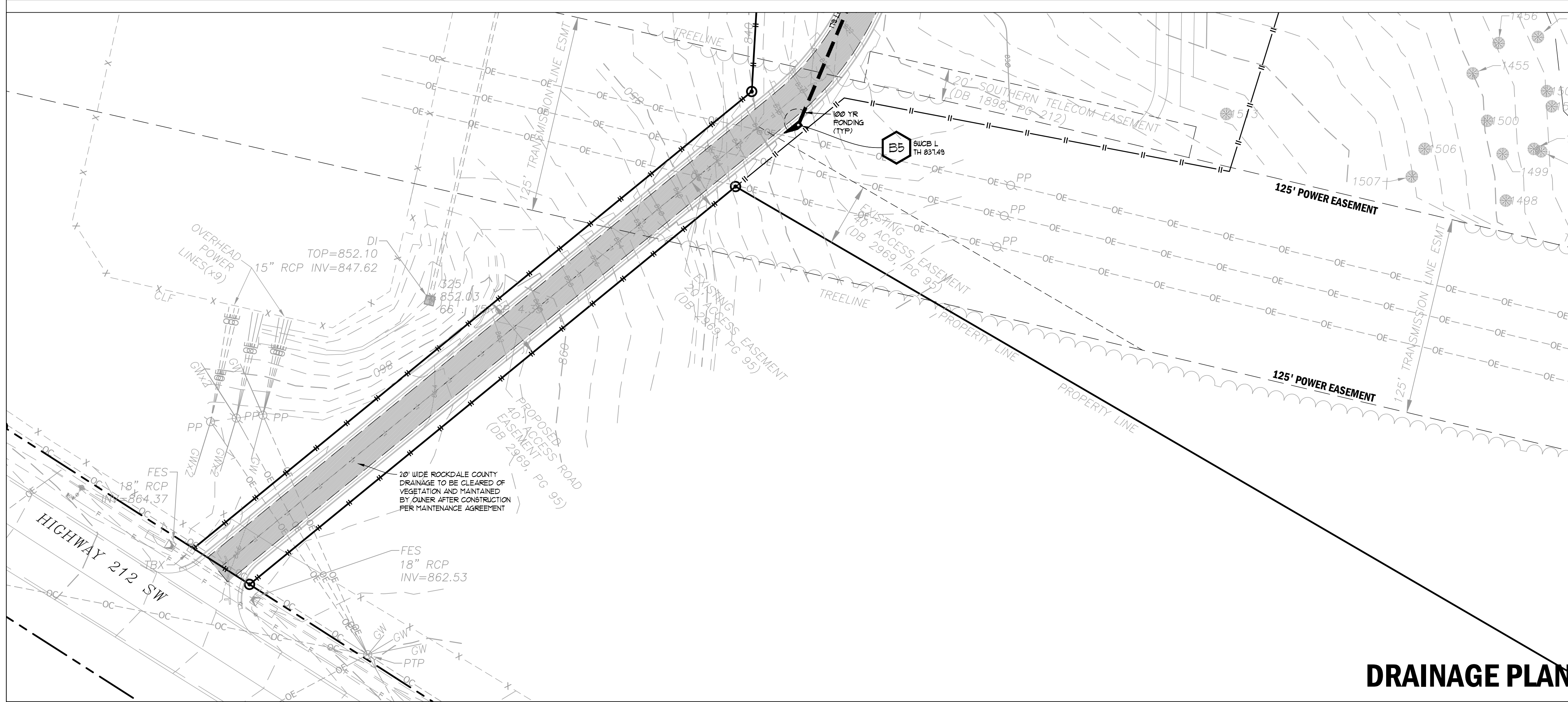
These calculations are based on a worst case scenario for the flume and the swale so they apply to each instance of these features on site.

5/5/2023 1:47:32 PM

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GRADING PLAN



DRAINAGE PLAN

7-DAY LETTER CERTIFICATION

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SIGNED:  DATE: 01-16-2024

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 GSUCC CERTIFICATION NO. LEVEL II * 0000029448
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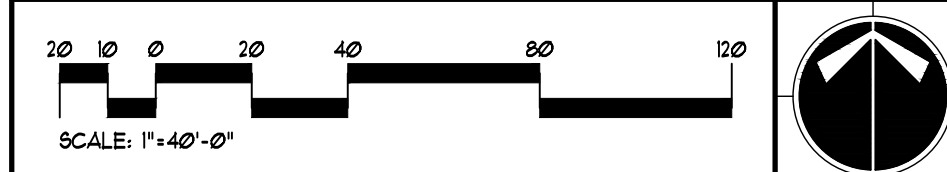
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24-HOUR EROSION CONTACT

NAME: ANDREW HAMMER
 COMPANY: ROCKDALE COUNTY BOC
 EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV
 PHONE NUMBER: 678-381-1081

GRAPHIC SCALE & ORIENTATION



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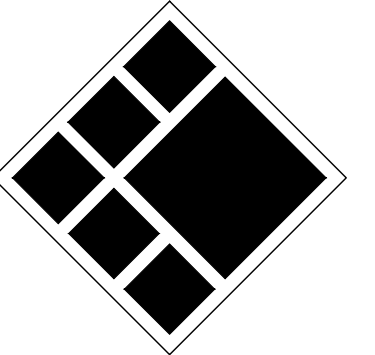
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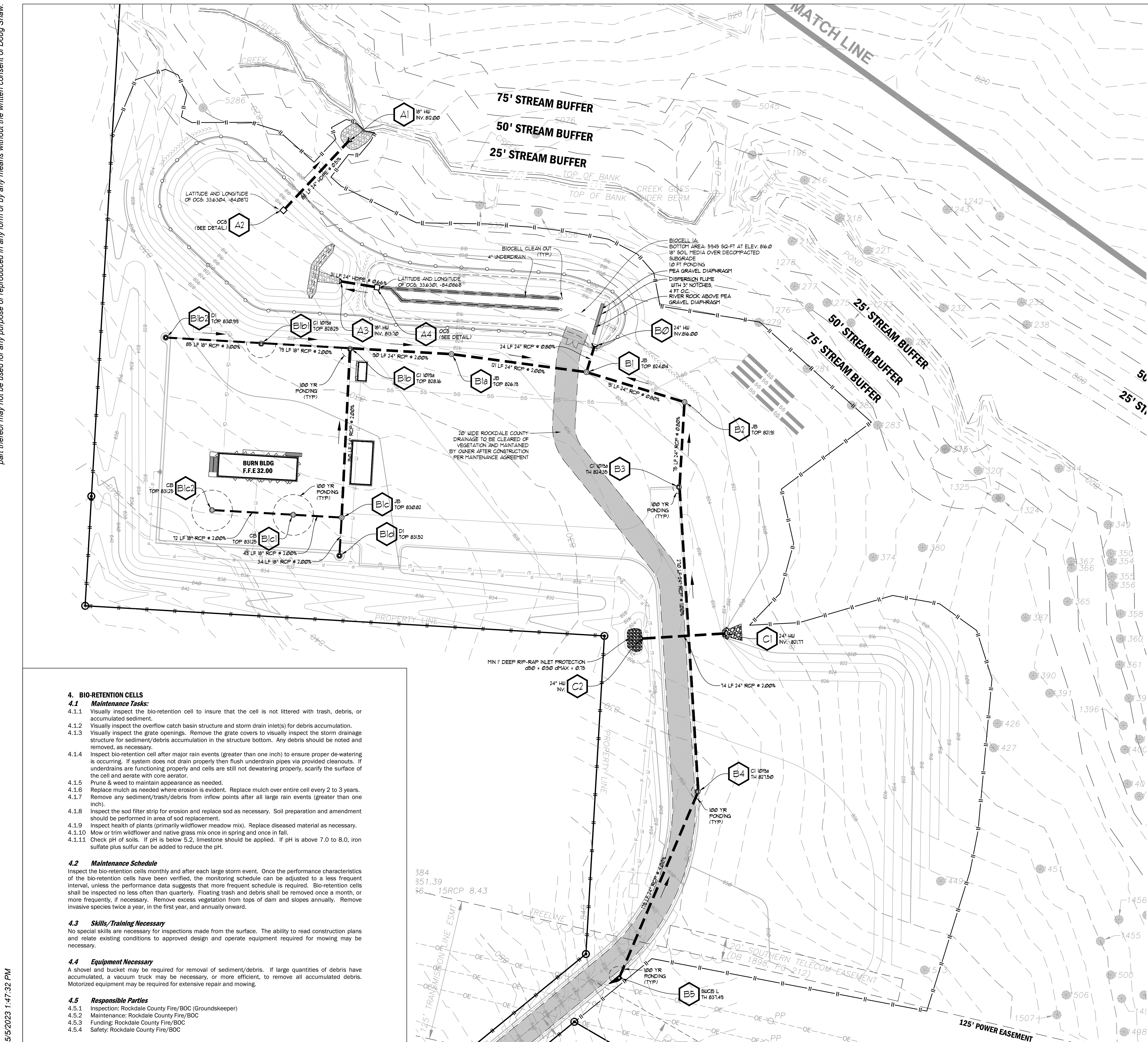
Drawn By: JRQ Checked By: BAM
 Date: 05/05/2023 Job No.: 22051

Sheet Title: **GRADING &
 DRAINAGE PLAN
 ROADWAY**

Sheet No. **C-3.05**

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4. BIO-RETENTION CELLS

4.1 Maintenance Tasks:

- 4.1.1 Visually inspect the bio-retention cell to insure that the cell is not littered with trash, debris, or accumulated sediment.
- 4.1.2 Visually inspect the overflow catch basin structure and storm drain inlet(s) for debris accumulation.
- 4.1.3 Visually inspect the grate openings. Remove the grate covers to visually inspect the storm drainage structure for sediment/debris accumulation in the structure bottom. Any debris should be noted and removed, as necessary.
- 4.1.4 Inspect bio-retention cell after major rain events (greater than one inch) to ensure proper de-watering is occurring. If system does not drain properly then flush underdrain pipes via provided cleanouts. If underdrains are functioning properly and cells are still not dewatering properly, scarify the surface of the cell and aerate with core aerator.
- 4.1.5 Prune & weed to maintain appearance as needed.
- 4.1.6 Replace mulch as needed where erosion is evident. Replace mulch over entire cell every 2 to 3 years.
- 4.1.7 Remove any sediment/trash/debris from inflow points after all large rain events (greater than one inch).
- 4.1.8 Inspect the sod filter strip for erosion and replace sod as necessary. Soil preparation and amendment should be performed in area of sod replacement.
- 4.1.9 Inspect health of plants (primarily wildflower meadow mix). Replace diseased material as necessary.
- 4.1.10 Mow or trim wildflower and native grass mix once in spring and once in fall.
- 4.1.11 Check pH of soils. If pH is below 5.2, limestone should be applied. If pH is above 7.0 to 8.0, iron sulfate plus sulfur can be added to reduce the pH.

4.2 Maintenance Schedule

Inspect the bio-retention cells monthly and after each large storm event. Once the performance characteristics of the bio-retention cells have been verified, the monitoring schedule can be adjusted to a less frequent interval, unless the performance data suggests that more frequent schedule is required. Bio-retention cells shall be inspected no less often than quarterly. Floating trash and debris shall be removed once a month, or more frequently, if necessary. Remove excess vegetation from tops of dam and slopes annually. Remove invasive species twice a year, in the first year, and annually onward.

4.3 Skills/Training Necessary

No special skills are necessary for inspections made from the surface. The ability to read construction plans and relate existing conditions to approved design and operate equipment required for mowing may be necessary.

4.4 Equipment Necessary

A shovel and bucket may be required for removal of sediment/debris. If large quantities of debris have accumulated, a vacuum truck may be necessary, or more efficient, to remove all accumulated debris. Motorized equipment may be required for extensive repair and mowing.

4.5 Responsible Parties

- 4.5.1 Inspection: Rockdale County Fire/BOC (Groundskeeper)
- 4.5.2 Maintenance: Rockdale County Fire/BOC
- 4.5.3 Funding: Rockdale County Fire/BOC
- 4.5.4 Safety: Rockdale County Fire/BOC

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NOTE:

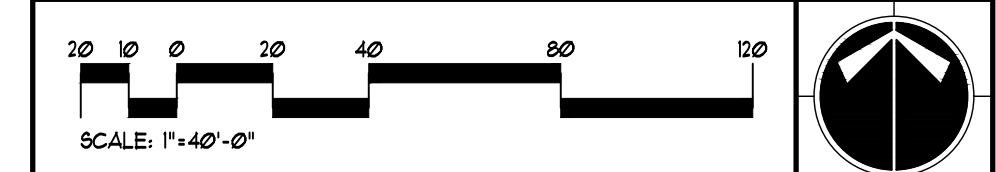
- 1. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AWAY FROM ALL BUILDINGS.
- 2. DEVELOPER IS TO CLEAN OUT ACCUMULATED SILT IN DETENTION POND AT END OF CONSTRUCTION WHEN DISTURBED AREAS HAVE BEEN STABILIZED. REGULAR MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE COUNTY.

CONTRACTOR SHALL CONSTRUCT THE DETENTION BASIN WITHIN _____ CALENDAR DAYS OF ARRIVAL ON SITE WITH CONSTRUCTION EQUIPMENT. THIS INCLUDES COMPLETE GRADING, STORM PIPE SYSTEM, INSTALLATION OF GRASSING, EROSION CONTROL BLANKETS AND TREE PLANTINGS.

24-HOUR EROSION CONTACT

NAME: ANDREI HAMMER
 COMPANY: ROCKDALE COUNTY BOC
 EMAIL ADDRESS: ANDREIHAMMER@ROCKDALECOUNTYGA.GOV
 PHONE NUMBER: 678-381-1081

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CALL BEFORE YOU DIG



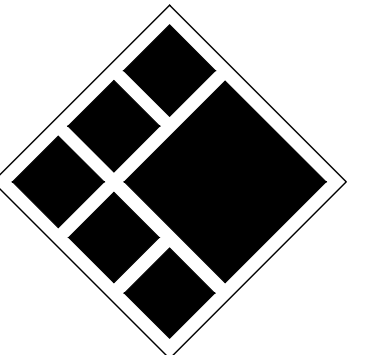
GEORGIA LAW MANDATES THAT BEFORE BEGINNING ANY MECHANIZED DIGGINGS OR EXCAVATION WORK YOU MUST CONTACT GEORGIA 811 BY USING REQUEST ON WWW.GEORGIA811.COM OR BY CALLING 811 OR 1-800-282-1411 AT LEAST 48 HOURS BUT NO MORE THAN 10 WORKING DAYS IN ADVANCE TO HAVE UTILITY LINES MARKED.

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- 2. 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 NOT SEPARATE THIS SET OF DRAWINGS INTO INDIVIDUAL SHEETS.



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ROCKDALE COUNTY FIRE TRAINING CAMPUS

ROCKDALE COUNTY BOARD OF COMMISSIONERS

3111 SW HIGHWAY 212
 CONYERS, GEORGIA 30012

PRINT RECORD

No.	DATE	DESCRIPTION
1	07/31/2023	LDP SUBMITTAL
2	09/07/2023	LDP RESUBMITTAL
3	10/12/2023	LDP RESUBMITTAL
4	01/16/2024	LDP RESUBMITTAL

Drawn By: JRQ Checked By: BAM

Date: 05/05/2023 Job No.: 22051

Sheet Title

STORM DRAINAGE PLAN

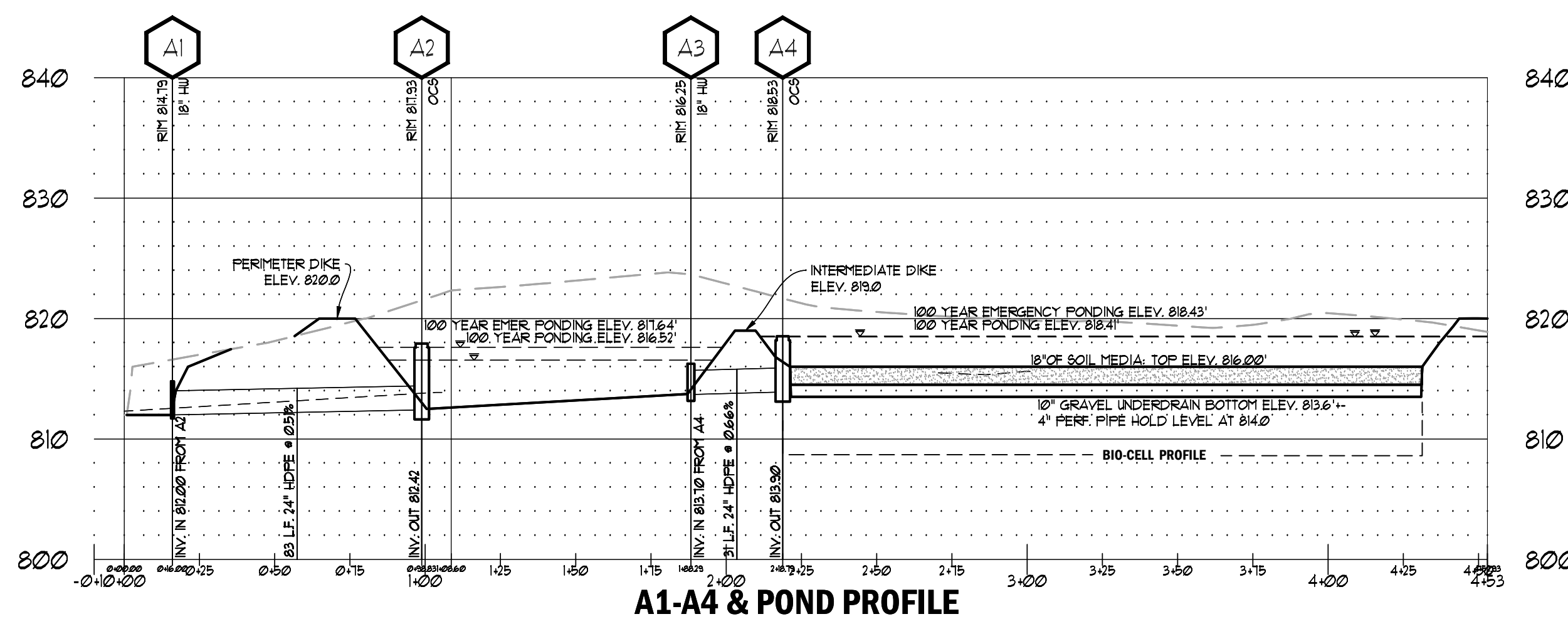
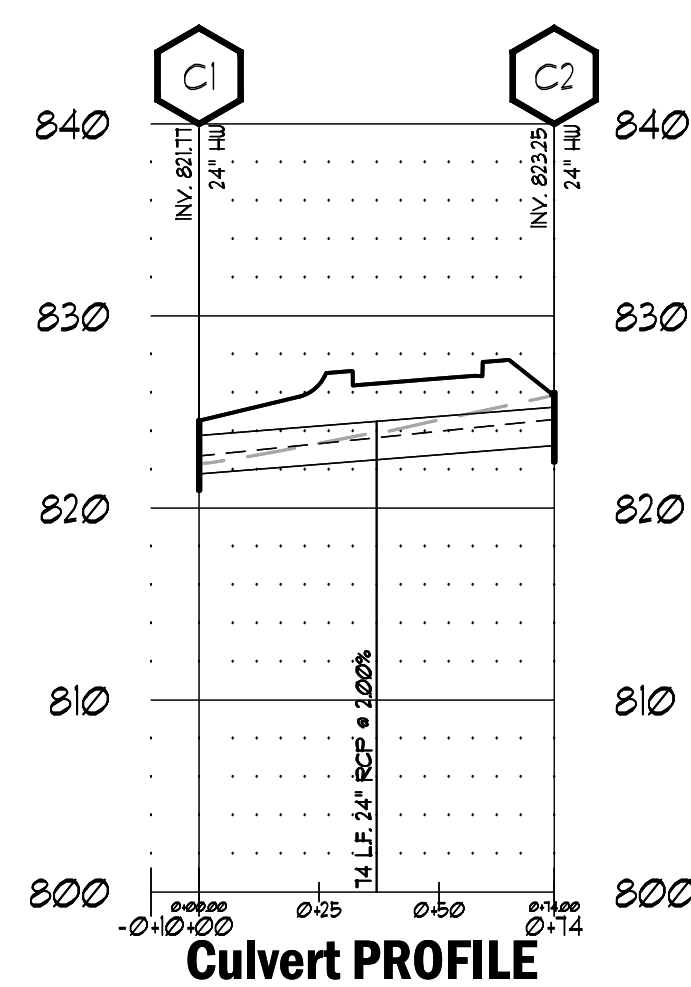
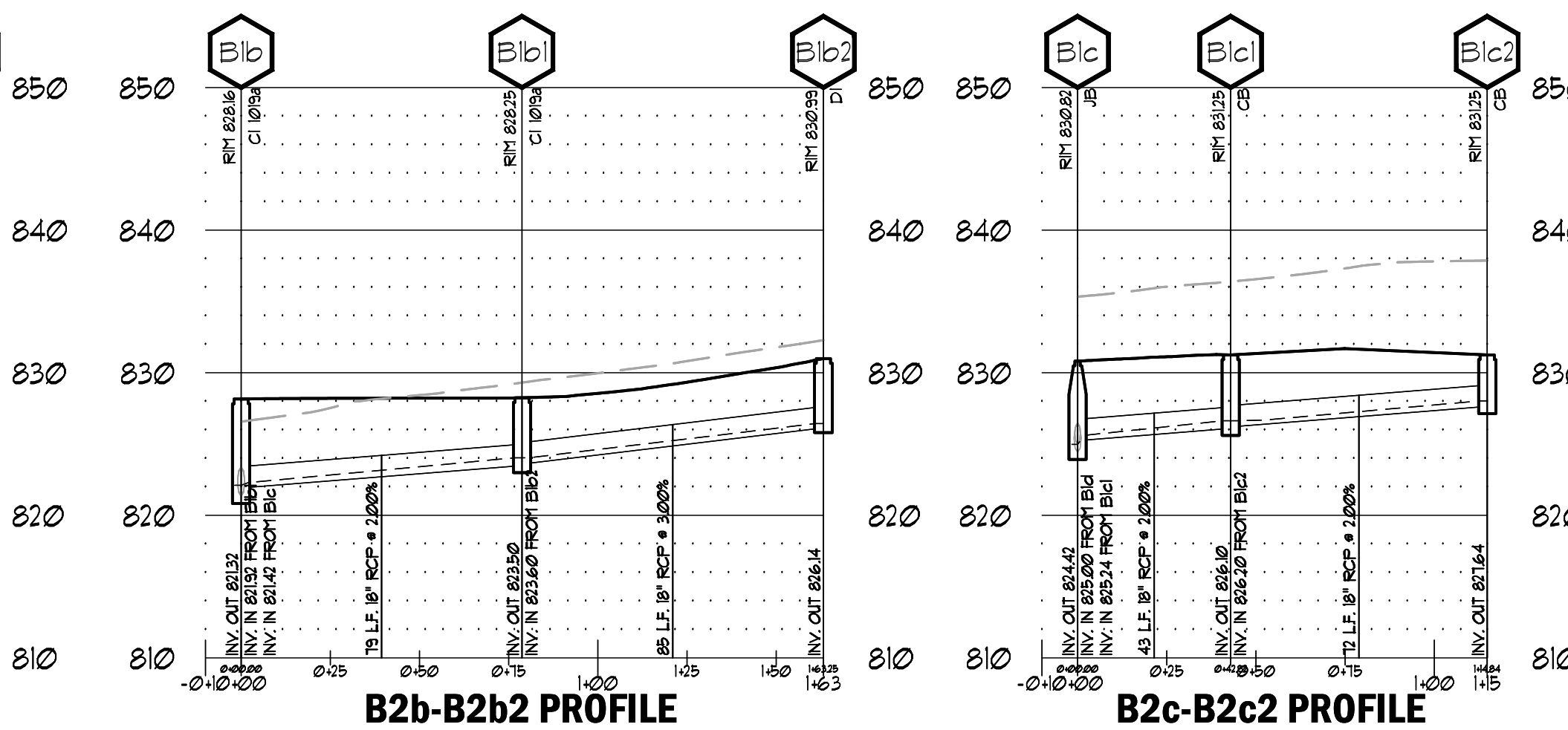
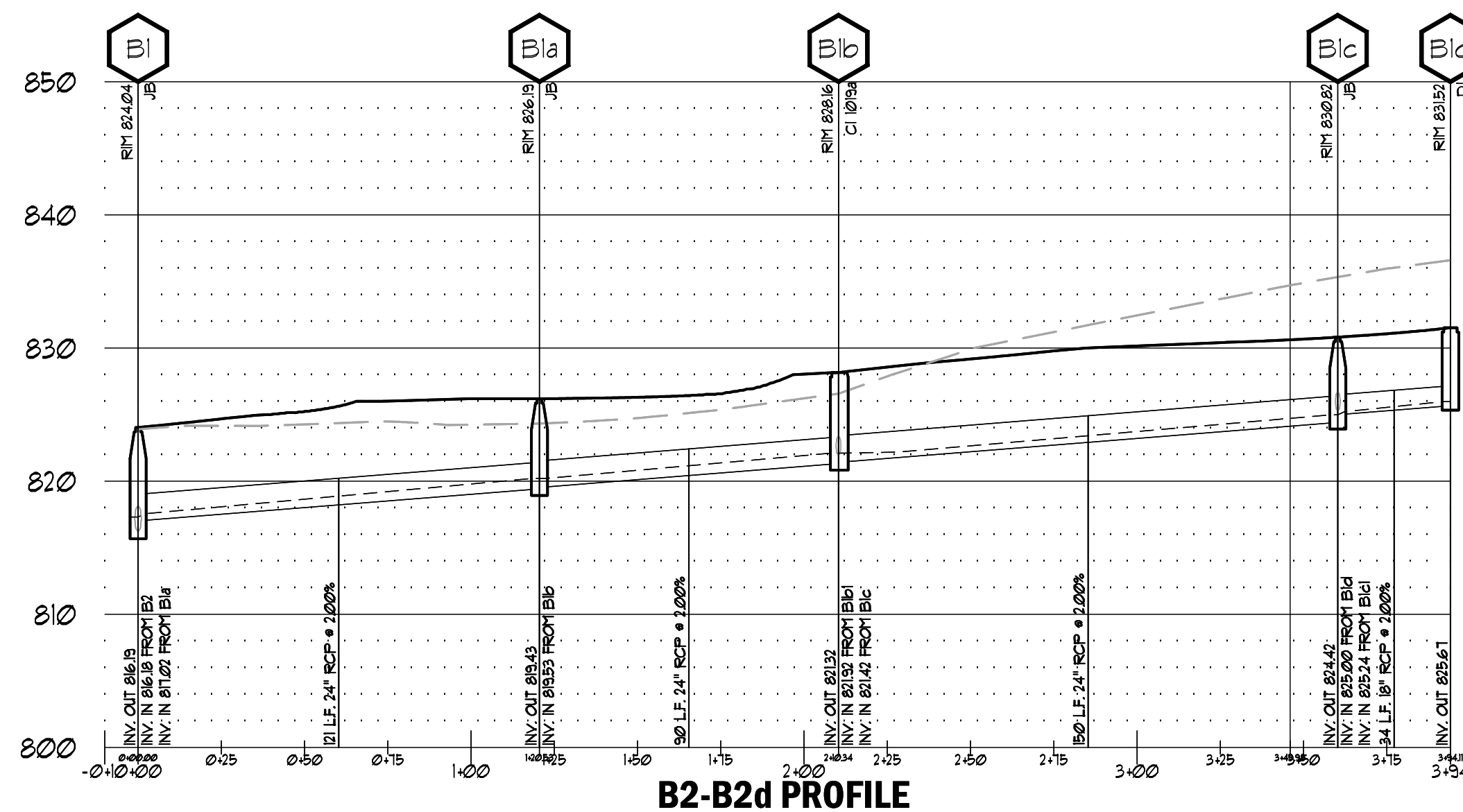
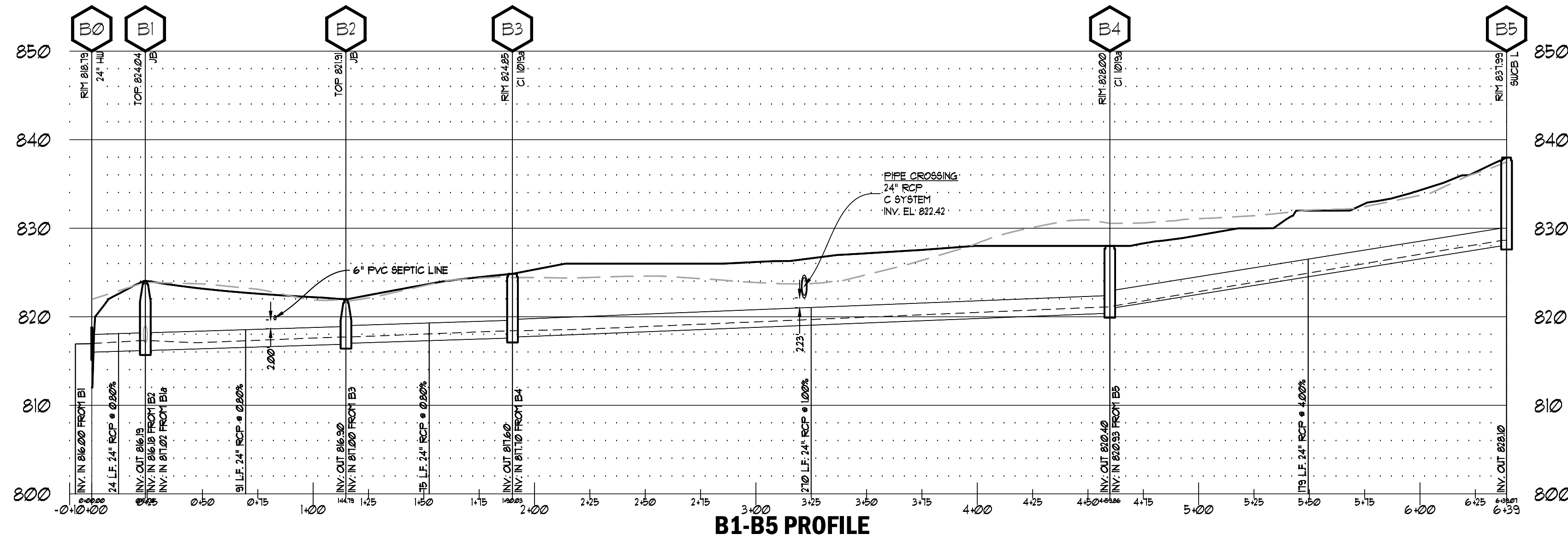
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BREEDLOVE LAND PLANNING, INC. PIPECHART

YEAR STORM EVENT: 25 YEAR

PROJECT: Rockdale Fire Training Facility
PROJECT LOCATION: Rockdale County, GA

	Upstream Structure	Downstream Structure	Drainage Area (ac)	c-factor (C)	Inlet Time (min)	Q (cfs)	Total Q (cfs)	Capacity (cfs)	Pipe Size (in)	Slope (%)	n-value	Velocity (ft/s)	Depth (ft)	Inv. Up (ft)	Inv. Dn (ft)	HGL Up (ft)	HGL Dn (ft)
A	A4	A3	0.00	0.00	0	13.11	22.43	24	0.98	5.62	0.013	5.62	1.50	814.30	814.00	815.60	815.50
	A2	A1	0.00	0.00	0	1.15	1.15	26.97	24	1.42	0.013	3.30	0.31	813.50	812.00	813.87	812.31
B	B5	B4	0.47	0.60	5	2.33	2.33	45.24	24	4.00	0.013	5.53	0.31	828.10	820.93	828.63	821.24
	B4	B3	0.72	0.41	5	2.43	4.13	22.62	24	1.00	0.013	4.08	0.72	820.40	817.70	821.11	818.42
	B3	B2	0.39	0.66	5	2.12	5.44	20.20	24	0.80	0.013	4.88	0.72	817.60	817.00	818.42	817.72
	B2	B1	0.00	0.00	0	0.00	5.35	20.30	24	0.81	0.013	3.98	1.13	816.91	816.18	817.72	817.31
	B1b2	B1b1	0.21	0.38	5	0.66	0.66	14.85	18	3.00	0.013	2.78	0.43	825.14	823.60	826.59	824.04
	B1b1	B1b	0.21	0.95	5	1.65	2.02	14.87	18	2.01	0.013	4.72	0.37	823.50	821.92	824.04	822.29
	B1d	B1c	0.21	0.38	5	0.66	0.66	14.78	18	1.98	0.013	3.41	0.22	825.67	825.00	825.97	825.22
	B1c2	B1c1	0.14	0.95	5	1.10	1.10	14.86	18	2.00	0.013	2.77	0.44	827.64	826.20	828.03	826.64
	B1c1	B1c	0.14	0.95	5	1.10	2.04	14.86	18	2.00	0.013	4.74	0.38	826.10	825.24	826.64	825.82
	B1c	B1b	0.00	0.00	0	0.00	2.60	31.99	24	2.00	0.013	3.16	0.69	824.42	821.42	824.98	822.11
B1a	B1b	B1a	0.11	0.95	5	0.86	5.02	31.93	24	1.99	0.013	4.85	0.68	821.32	819.53	822.11	820.21
	B1a	B1	0.00	0.00	0	0.00	4.89	31.98	24	2.00	0.013	5.84	0.53	819.43	817.02	820.21	817.55
	B1	B0	0.00	0.00	0	0.00	9.81	20.05	24	0.79	0.013	5.88	0.99	816.19	816.00	817.31	816.99
C	C2	C1	5.42	0.32	5	14.30	14.30	31.99	24	2.00	0.013	8.07	0.94	823.25	821.77	824.61	822.71

7-DAY LETTER CERTIFICATION

THE BELOW SIGNATURE VERIFIES THAT A 7-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

SIGNED: DATE: 01/16/2024

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER
GSUCC CERTIFICATION NO. LEVEL II * 00000293448
EXPIRATION DATE: 03-29-2024
COMPANY: BREEDLOVE LAND PLANNING, INC.

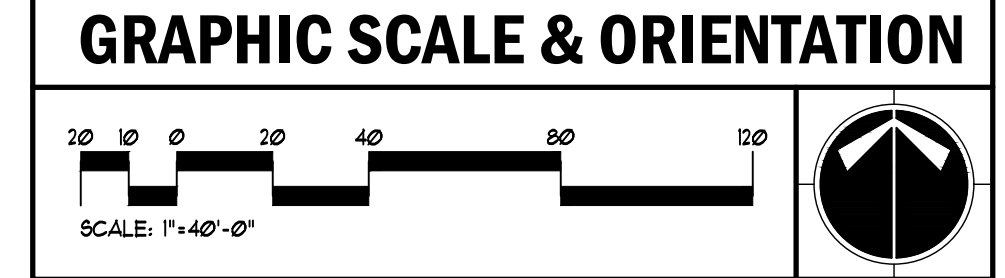
PIPE PROFILE LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- 25" 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 (MANNING'S n=0.012)
- POLYVINYL CHLORIDE PIPE (SCHEDULE 40)
- HEADWALL
- DROP INLET (PEDESTAL TOP)
- JUNCTION BOX
- 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
- INV.: INVERT ELEVATION
- HGL: HYDRAULIC GRADE LINE

CONTRACTOR SHALL CONSTRUCT THE DETENTION BASIN WITHIN _____ CALENDAR DAYS OF ARRIVAL ON SITE WITH CONSTRUCTION EQUIPMENT. THIS INCLUDES COMPLETE GRADING, STORM PIPE SYSTEM, INSTALLATION OF GRASSING, EROSION CONTROL BLANKETS AND TREE PLANTINGS.

24-HOUR EROSION CONTACT

NAME: ANDREW HAMMER
COMPANY: ROCKDALE COUNTY BOC
EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV
PHONE NUMBER: 678-381-1061



- 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.

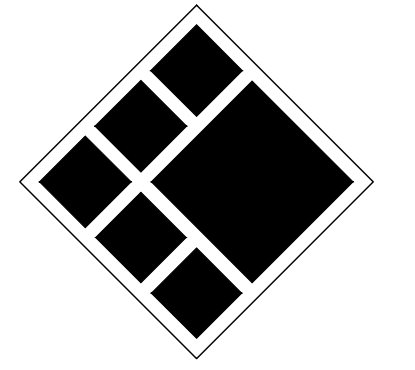
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www.Georgia811.com

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ROCKDALE COUNTY FIRE TRAINING CAMPUS

ROCKDALE COUNTY BOARD OF COMMISSIONERS

3111 SW HIGHWAY 212
CONYERS, GEORGIA 30012

PRINT RECORD

No.	DATE	DESCRIPTION
1	07/31/2023	LDP SUBMITTAL
2	09/07/2023	LDP RESUBMITTAL
3	10/12/2023	LDP RESUBMITTAL
4	01/16/2024	LDP RESUBMITTAL

Drawn By: JRQ
Checked By: BAM
Date: 05/05/2023
Job No.: 22051

Sheet Title: PIPE PROFILES

Sheet No.:

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EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST
STAND ALONE CONSTRUCTION PROJECTS
SWCD: ROCKDALE COUNTY
Project Name: ROCKDALE COUNTY FIRE TRAINING CAMPUS
Address: XXXX SW HIGHWAY 212, CONYERS, GA, 30012
City/County: ROCKDALE COUNTY
Date on Plans: 05-05-2023

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.

PLAN REVISIONS
AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

INSPECTION & RECORD KEEPING
INSPECTION AND RECORD KEEPING REQUIREMENTS BELOW ARE LISTED IN ACCORDANCE WITH PART IV. D, 4. & 4. OF THE GAR 100000 STAND-ALONE PERMIT.

REPORTING OF SAMPLING
REQUIREMENTS FOR REPORTING OF SAMPLING POINTS ARE LISTED BELOW IN ACCORDANCE WITH PART IV. E OF THE GAR 100000 STAND-ALONE PERMIT.

24-HOUR EROSION CONTACT
NAME: ANDREW HAMMER
COMPANY: ROCKDALE COUNTY BOC
EMAIL ADDRESS: ANDREWHAMMER@ROCKDALECOUNTYGA.GOV
PHONE NUMBER: 678-387-1091

GSWCC REQUIRED NOTES
THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 1 DAYS AFTER INSTALLATION.

SPILL PREVENTION & CONTROL
LOCAL STATE & MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED & PROCEDURES SHALL BE MADE AVAILABLE TO PERSONNEL.

RETENTION OF RECORDS
REQUIREMENTS FOR REPORTING OF SAMPLING POINTS ARE LISTED BELOW IN ACCORDANCE WITH PART IV. F OF THE GAR 100000 STAND-ALONE PERMIT.

PRIMARY PERMITTEE
NAME: ANDREW HAMMER
COMPANY: ROCKDALE COUNTY BOC
EMAIL ADDRESS: ANDREWHAMMER@ROCKDALECOUNTYGA.GOV
PHONE NUMBER: 678-387-1091

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

SAMPLING FREQUENCY
REQUIREMENTS FOR SAMPLING FREQUENCY ARE LISTED BELOW IN ACCORDANCE WITH PART IV. C, 6, & d OF THE GAR 100000 STAND-ALONE PERMIT.

NTU LIMIT RATIONALE
REFER TO APPENDIX B WITHIN THE NPDES GAR 100000 PERMIT FOR NTU LIMIT CHART BASED ON STREAM TYPE SUPPORTING WARM WATER FISHERIES OR TROUT STREAMS.

PLAN SUBMITTAL SUMMARY
DESCRIPTION: DATE: ENTITY REQUESTING REVISION:
1. INITIAL SUBMITTAL DATE: 07/31/2023 ROCKDALE COUNTY

CONSTR. MATERIAL STORAGE
FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, 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).

POST-CONSTR. STORMWATER
CONSTRUCTION OF THE PROPOSED PROJECT WILL YIELD AN INCREASE IN PERVIOUS AREA AND FLOWS COMPARED TO EXISTING CONDITIONS.

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

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

STREAM BUFFERS
NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF UNRESTED 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.

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 ON-SITE VEHICLES AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT.

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

INITIAL EROSION INSPECTION
THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 1 DAYS AFTER INSTALLATION.

7-DAY LETTER CERTIFICATION
THE BELOW SIGNATURE VERIFIES THAT A 7-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

CONSTR. MATERIAL STORAGE (CONT.)
FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, 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).

CONSTRUCTION SCHEDULE (CONT.)
PROJECT NAME: ROCKDALE COUNTY FIRE TRAINING FACILITY
MAJOR SOIL-DISTURBING ACTIVITY

PROJECT RECEIVING WATERS (CONT.)
INITIAL PROJECT RECEIVING WATERS: UNNAMED TRIBUTARY OF HONEY CREEK RECEIVING WATERS SUPPORT: WARM WATER FISHERIES

STREAM BUFFERS (CONT.)
NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF UNRESTED 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.

PRODUCT SPECIFIC PRACTICES (CONT.)
PETROLEUM-BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLES AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT.

PRINT RECORD (CONT.)
No. DATE DESCRIPTION
3 10/12/2023 LDP RESUBMITTAL
4 01/18/2024 LDP RESUBMITTAL

INITIAL EROSION INSPECTION (CONT.)
THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 1 DAYS AFTER INSTALLATION.

7-DAY LETTER CERTIFICATION (CONT.)
THE BELOW SIGNATURE VERIFIES THAT A 7-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

CONSTR. MATERIAL STORAGE (CONT.)
FOR BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH, 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).

CONSTRUCTION SCHEDULE (CONT.)
PROJECT NAME: ROCKDALE COUNTY FIRE TRAINING FACILITY
MAJOR SOIL-DISTURBING ACTIVITY

PROJECT RECEIVING WATERS (CONT.)
INITIAL PROJECT RECEIVING WATERS: UNNAMED TRIBUTARY OF HONEY CREEK RECEIVING WATERS SUPPORT: WARM WATER FISHERIES

STREAM BUFFERS (CONT.)
NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF UNRESTED 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.

PRODUCT SPECIFIC PRACTICES (CONT.)
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PRINT RECORD (CONT.)
No. DATE DESCRIPTION
5 05/05/2023 LDP RESUBMITTAL

INITIAL EROSION INSPECTION (CONT.)
THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 1 DAYS AFTER INSTALLATION.

7-DAY LETTER CERTIFICATION (CONT.)
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CONSTR. MATERIAL STORAGE (CONT.)
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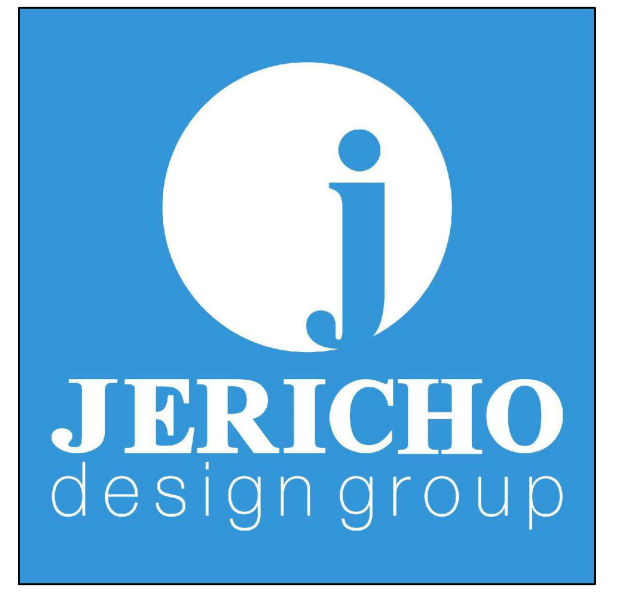
CONSTRUCTION SCHEDULE (CONT.)
PROJECT NAME: ROCKDALE COUNTY FIRE TRAINING FACILITY
MAJOR SOIL-DISTURBING ACTIVITY

PROJECT RECEIVING WATERS (CONT.)
INITIAL PROJECT RECEIVING WATERS: UNNAMED TRIBUTARY OF HONEY CREEK RECEIVING WATERS SUPPORT: WARM WATER FISHERIES

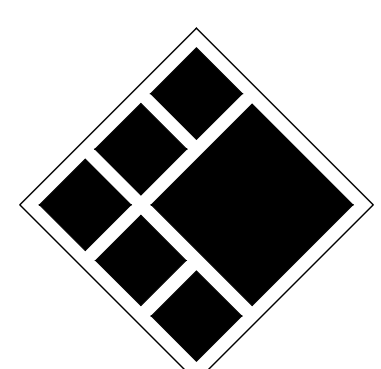
STREAM BUFFERS (CONT.)
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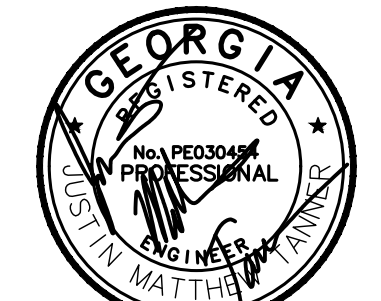


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ROCKDALE COUNTY FIRE TRAINING CAMPUS
ROCKDALE COUNTY BOARD OF COMMISSIONERS
3111 SW HIGHWAY 212
CONYERS, GEORGIA 30012

Table with 3 columns: No., DATE, DESCRIPTION. Contains project record entries.

Drawn By: JRC, Checked By: BAM
Date: 05/05/2023, Job No.: 22051

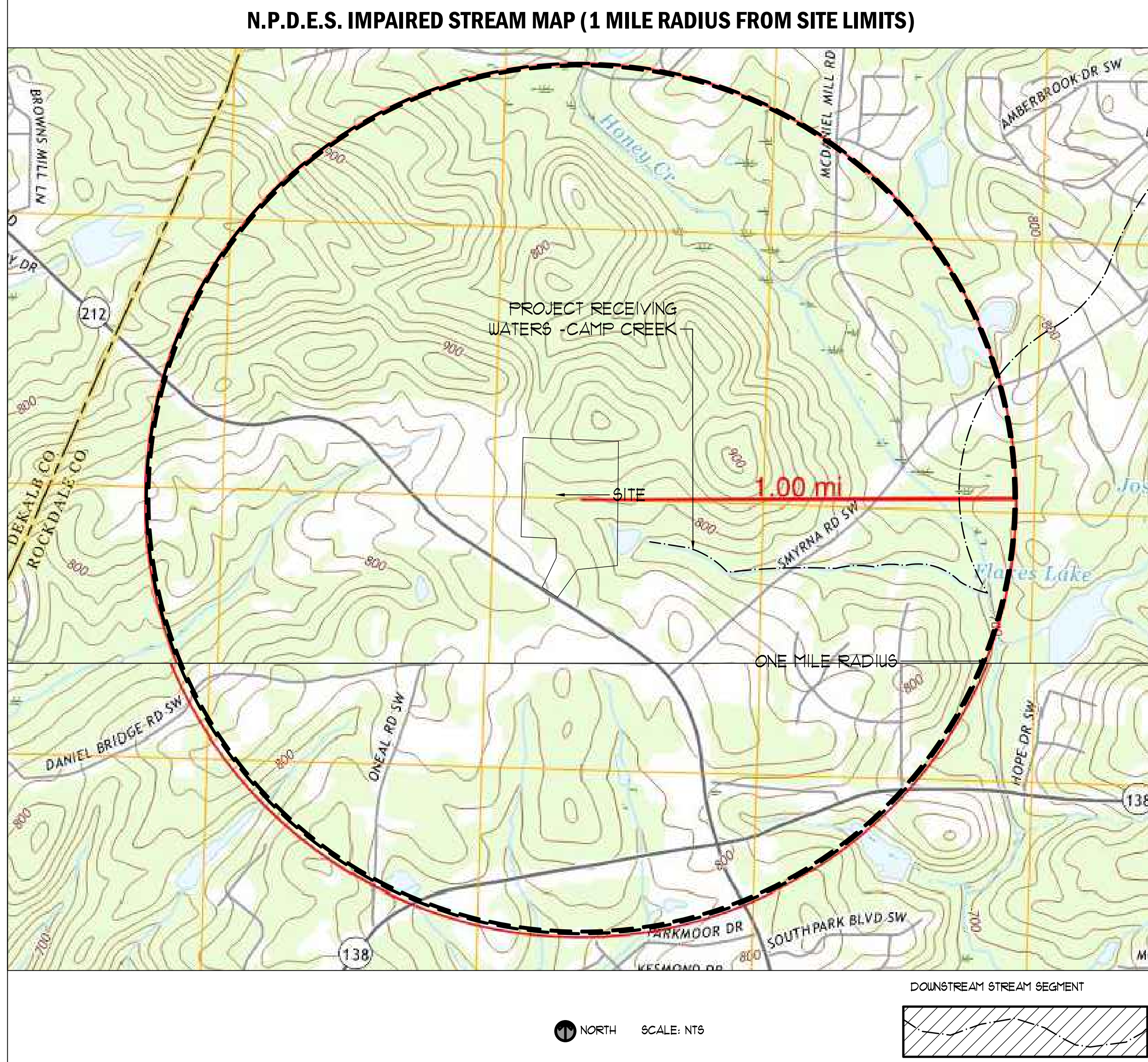
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Sheet No.

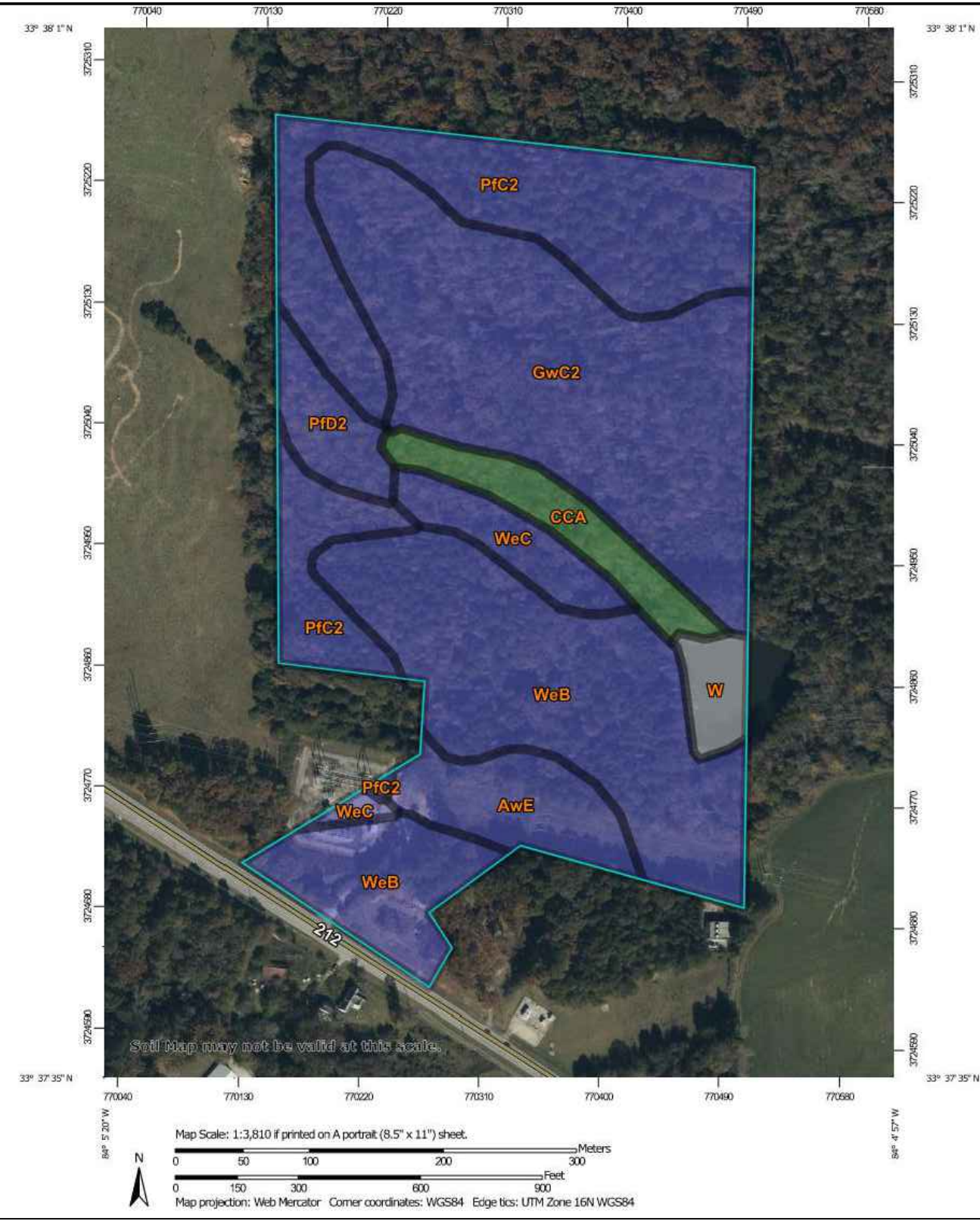
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SOIL SURVEY MAP



Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
AwE	Ashlar Pisolite, Wedowee complex, 15 to 25 percent slopes	B	2.7	5.7%
CCA	Cartersy and Chewala soils, frequently flooded	A/D	2.2	4.7%
GwC2	Gwinnett sandy clay loam, 8 to 10 percent slopes, eroded	B	14.0	29.7%
PIC2	Picolet sandy clay loam, 2 to 10 percent slopes, eroded	B	10.5	22.2%
PID2	Picolet sandy clay loam, 10 to 15 percent slopes, moderately eroded	B	1.6	3.4%
W	Water		1.0	2.1%
WwB	Wedowee sandy loam, 2 to 6 percent slopes	B	13.1	27.9%
WwC	Wedowee sandy loam, 6 to 10 percent slopes	B	2.0	4.2%
Totals for Area of Interest			47.1	100.0%

GEORGIA UNIFORM CODING SYSTEM

FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES GEORGIA
SOIL AND WATER CONSERVATION COMMISSION STRUCTURAL PRACTICES

CODE	PRACTICE	MAP SYMBOL	CODE	PRACTICE	MAP SYMBOL
Cd	CHECKDAM		Sr	TEMPORARY STREAM CROSSING	
Ch	CHANNEL STABILIZATION		St	STORMDRAIN OUTLET PROTECTION	
Co	CONSTRUCTION EXIT		Su	SURFACE ROUGHENING	
Cr	CONSTRUCTION ROAD STABILIZATION		Tc	TURBIDITY CURTAIN	
Dc	STREAM DIVERSION CHANNEL		Tp	TOPSOILING	
Di	DIVERSION		Tr	TREE PROTECTION	
Dn1	TEMPORARY DOWNDRAIN STRUCTURE		Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL	
Dn2	PERMANENT DOWNDRAIN STRUCTURE		VEGETATIVE PRACTICES		
Fr	FILTER RING		CODE	PRACTICE	MAP SYMBOL
Ga	GABION		Bf	BUFFER ZONE	
Gr	GRADE STABILIZATION STRUCTURE		Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)	
Lv	LEVEL SPREADER		Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	
Rd	ROCK FILTER DAM		Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)	
Re	RETAINING WALL		Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	
Rt	RETRO FITTING		Ds4	DISTURBED AREA STABILIZATION (SOONING)	
Sd1	SEDIMENT BARRIER		Du	DUST CONTROL ON DISTURBED AREAS	
Sd2	INLET SEDIMENT TRAP		Fl-Co	FLOCCULANTS AND COAGULANTS	
Sd3	TEMPORARY SEDIMENT BASIN		Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)	
Sd4	TEMPORARY SEDIMENT TRAP		Ss	SLOPE STABILIZATION	
Sk	FLOATING SURFACE SKIMMER		Tac	TACKIFIERS AND BINDERS	
Spb	SEEP BERM				

APPENDIX 1
THE ESSPC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPs FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO AN IMPAIRED STREAM SEGMENT AND FOR SITES WHICH EPD HAS APPROVED IN WRITING A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME.

Plan	Included	Description
Page #	Y/N	The four items chosen must be appropriate for the site conditions.
N/A	NO	During construction activities, double the width of the 25 foot undisturbed vegetative buffer along all State waters requiring a buffer and the 50 foot undisturbed vegetative buffer along all State waters classified as "trout streams" requiring a buffer. During construction activities, EPD will not grant variances for any such buffers that are increased in width.
N/A	NO	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	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	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 NOI has been submitted.
N/A	NO	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	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	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	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	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	Use "Dirty 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	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	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	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	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	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	Conduct soil tests to identify and to implement site-specific fertilizer needs.
N/A	NO	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 0.5 inches rainfall or greater in accordance with Section IV.D.4.a.(3)(a) - (c); and tertiary permittees Section IV.D.4.c.(3)(a) - (c) *
N/A	NO	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	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.gswcc.georgia.gov)
N/A	NO	* This requirement is different for infrastructure projects: Certified personnel for primary permittees shall conduct inspections at least 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	Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any state mandated buffer areas from such calculations). All calculations must be included in the Plan.
N/A	NO	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 in accordance with Section IV.A.5 of the permit. 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 and during the final BMP phase.
N/A	NO	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 Book or an equivalent or more stringent design manual.

IMPAIRED STREAM SEGMENT 22

THIS SITE WILL ~~(WILL NOT)~~ DISCHARGE STORM WATER FROM ANY CONSTRUCTION ACTIVITY INTO AN IMPAIRED STREAM SEGMENT THAT HAS BEEN LISTED FOR THE CRITERIA VIOLATED, BIO F (IMPAIRED FISH COMPLEXTY) AND / OR BIO M (IMPAIRED MACROINVERTEBRATE COMMUNITY) WITHIN CATEGORY 4A, 4B, OR 5, AND THE POTENTIAL CAUSE IS EITHER NPI (NONPOINT SOURCE) OR URI (URBAN RUNOFF). THE ESSPC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE BMPs LISTED IN PART III.C.2 (A) THRU (I) OF THE PERMIT.

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 COMPLEXTY) AND / OR BIO M (IMPAIRED MACROINVERTEBRATE COMMUNITY) WITHIN CATEGORY 4A, 4B, OR 5, AND THE POTENTIAL CAUSE IS EITHER NPI (NONPOINT SOURCE) OR URI (URBAN RUNOFF), THE ESSPC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE BMPs LISTED IN PART III.C.2 (A) THRU (I) OF THE PERMIT.

SEE APPENDIX 1 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 SHAPPING SHOALS CREEK, BUT SEGMENT IS BEYOND THE LIMITS OF THIS PROJECT.

PRE- vs. POST RUNOFF 45

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 (IE 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.

7-DAY LETTER CERTIFICATION

THE BELOW SIGNATURE VERIFIES THAT A 7-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

SIGNED: DATE: 01-16-2024

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER
GSWCC CERTIFICATION NO. LEVEL II #: 00000079448
EXPIRATION DATE: 03-29-2024
COMPANY: BREEDLOVE LAND PLANNING, INC.

SAMPLE METHODS 33

b. SAMPLING TYPES
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-92-009" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

- SAMPLE CONTAINERS SHALL BE LABELED PRIOR TO COLLECTING THE SAMPLES.
- SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.
- 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.
- 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.
- 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

- FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORMWATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:
 - 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 (IE, 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 (IE, THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORMWATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY, WHERE APPROPRIATE SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MUST 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 CHANNEL(S).
 - 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 FEATURES 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, TYPING, 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.D.4, 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.

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND DISTURBING ACTIVITY WAS PERMITTED. PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.

SIGNED: DATE: 01-16-2024

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER
GSWCC CERTIFICATION NO. LEVEL II #: 00000079448
EXPIRATION DATE: 03-29-2024
COMPANY: BREEDLOVE LAND PLANNING, INC.

GSWCC CHECKLIST LEGEND

55 GSWCC CHECKLIST ITEM NUMBER

24-HOUR EROSION CONTACT 4

NAME: ANDREW HAMMER
COMPANY: ROCKDALE COUNTY BOC
EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV
PHONE NUMBER: 678-381-1081

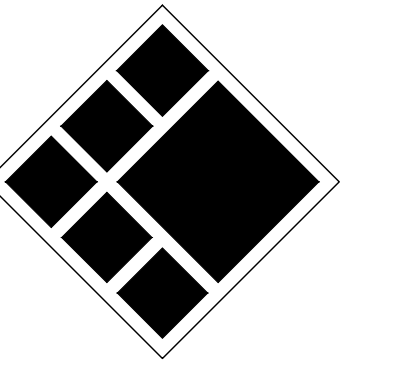
DO NOT BREAK OR DUPLICATE

1. DO NOT DUPLICATE DRAWINGS WITHOUT PERMISSION.

2. 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 NOT SEPARATE THIS SET OF DRAWINGS INTO INDIVIDUAL SHEETS.



208 Pirkle Ferry Road, Suite C
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BREEDLOVE LAND PLANNING
Landscape Architects & Civil Engineers
15 Simpson Street, NW, Atlanta, GA 30308
P: 770-483-1173 • www.landplanning.net

BLP PROJ. NO. 22158



ROCKDALE COUNTY FIRE TRAINING CAMPUS

ROCKDALE COUNTY BOARD OF COMMISSIONERS

3111 SW HIGHWAY 212
CONYERS, GEORGIA 30012

PRINT RECORD

No.	DATE	DESCRIPTION
1	07/31/2023	LDP SUBMITTAL
2	09/07/2023	LDP RESUBMITTAL
3	10/12/2023	LDP RESUBMITTAL
4	01/16/2024	LDP RESUBMITTAL

Drawn By: JRQ Checked By: BAM

Date: 05/05/2023 Job No.: 22051

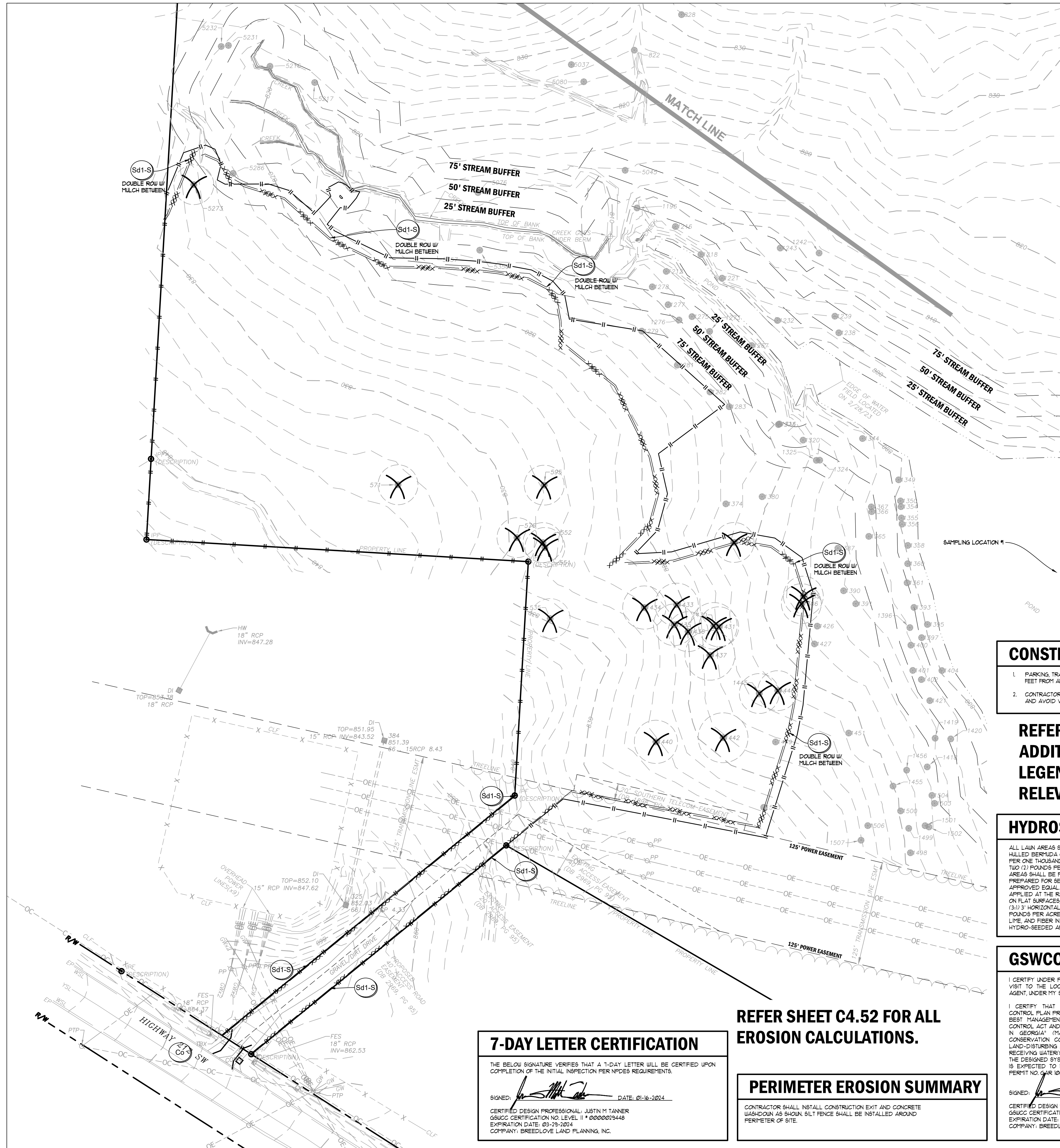
Sheet Title: NPDES NOTES

Sheet No.:

C-4.05

NOT RELEASED FOR CONSTRUCTION

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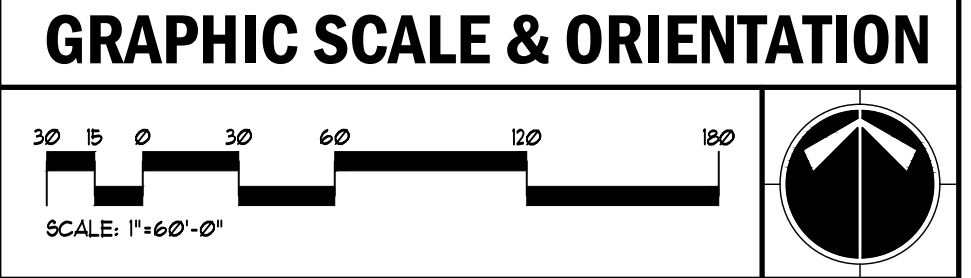


DISTURBED AREA
 TOTAL SITE AREA: 12.45 AC DISTURBED AREA: 0.66 AC

- 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 DISTURBANCE.
 - 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 GROUND COVER 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 SPREAD ON SITES.
 - ALL DISTURBED AREAS SHALL BE GRASSSED AS SOON AS CONSTRUCTION PHASE PERMITS.
 - 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 OR 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) VERTICAL TO 1' HORIZONTAL.
 - 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 STABILIZED.
 - 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.
 - ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

24-HOUR EROSION CONTACT

NAME: ANDREW HAMMER
 COMPANY: ROCKDALE COUNTY BOC
 EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV
 PHONE NUMBER: 678-381-1081



- 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.

- 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 SEEDDED WITH KENTUCKY 31 FESCUE (TEMPORARY) OR HULLED BERBERA (PERMANENT). APPLY FESCUE AT THE RATE OF FIVE (5) POUNDS PER ONE THOUSAND (1000) SQUARE FEET OR APPLY BERBERA AT THE RATE OF TWO (2) POUNDS PER ONE THOUSAND (1000) SQUARE FEET. ALL DESIGNATED AREAS SHALL BE PLANTED WITH A HYDRO-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 (1500) POUNDS PER ACRE ON FLAT SURFACES, TWO THOUSAND (2000) POUNDS PER ACRE ON SLOPES UP TO (3:1) HORIZONTAL TO VERTICAL, AND TWO THOUSAND FIVE HUNDRED (2500) POUNDS PER ACRE ON SLOPES GREATER THAN 3:1 TO 1:1. APPLY SEED FERTILIZER, LIME, AND FIBER IN ONE OPERATION. EXISTING TREES AND SHRUBS IN HYDRO-SEEDED AREA SHALL BE PROTECTED DURING HYDROSEEDING.

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.

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED. PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNATED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GA8 100001.

SIGNED: *Justin M Tanner* DATE: 01-16-2024

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER
 GSWCC CERTIFICATION NO. LEVEL II * 0000073448
 EXPIRATION DATE: 03-23-2024
 COMPANY: BREEDLOVE LAND PLANNING, INC.

7-DAY LETTER CERTIFICATION

THE BELOW SIGNATURE VERIFIES THAT A 7-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

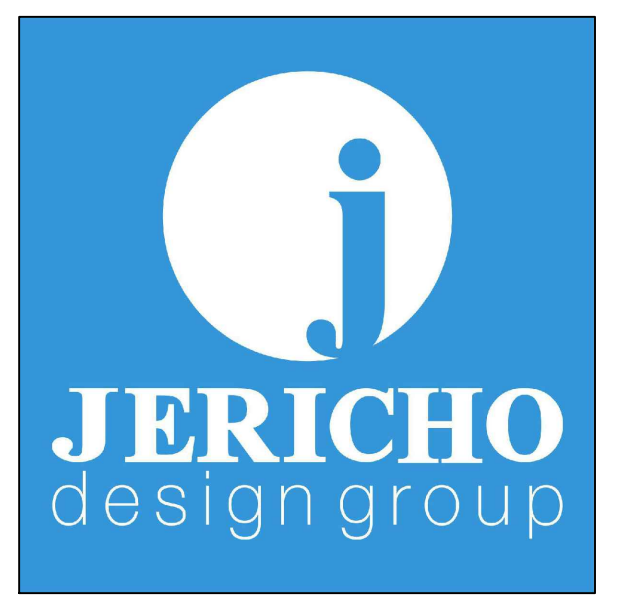
SIGNED: *Justin M Tanner* DATE: 01-16-2024

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER
 GSWCC CERTIFICATION NO. LEVEL II * 0000073448
 EXPIRATION DATE: 03-23-2024
 COMPANY: BREEDLOVE LAND PLANNING, INC.

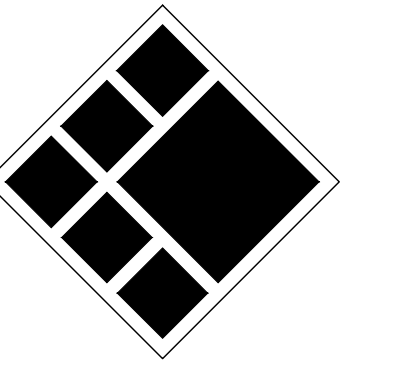
REFER SHEET C4.52 FOR ALL EROSION CALCULATIONS.

PERIMETER EROSION SUMMARY

CONTRACTOR SHALL INSTALL CONSTRUCTION EXIT AND CONCRETE WASHDOWN AS SHOWN. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF SITE.



208 Pirkle Ferry Road, Suite C
 Cumming, GA 30004



BREEDLOVE LAND PLANNING
 Landscape Architects Civil Engineers
 15 Simpson Street, NW, Atlanta, GA 30308
 P: 770-483-1173 www.landplanning.net

BLP PROJ. NO. 22158



ROCKDALE COUNTY FIRE
 TRAINING CAMPUS

ROCKDALE COUNTY BOARD OF
 COMMISSIONERS

3111 SW HIGHWAY 212
 CONYERS, GEORGIA 30012

PRINT RECORD

No.	DATE	DESCRIPTION
1	07/31/2023	LDP SUBMITTAL
2	09/07/2023	LDP RESUBMITTAL
3	10/12/2023	LDP RESUBMITTAL
4	01/16/2024	LDP RESUBMITTAL

Drawn By: JRQ Checked By: BAM
 Date: 05/05/2023 Job No.: 22051

Sheet Title: ES&PC PLAN - PERIMETER PHASE

Sheet No.: **C-4.10**

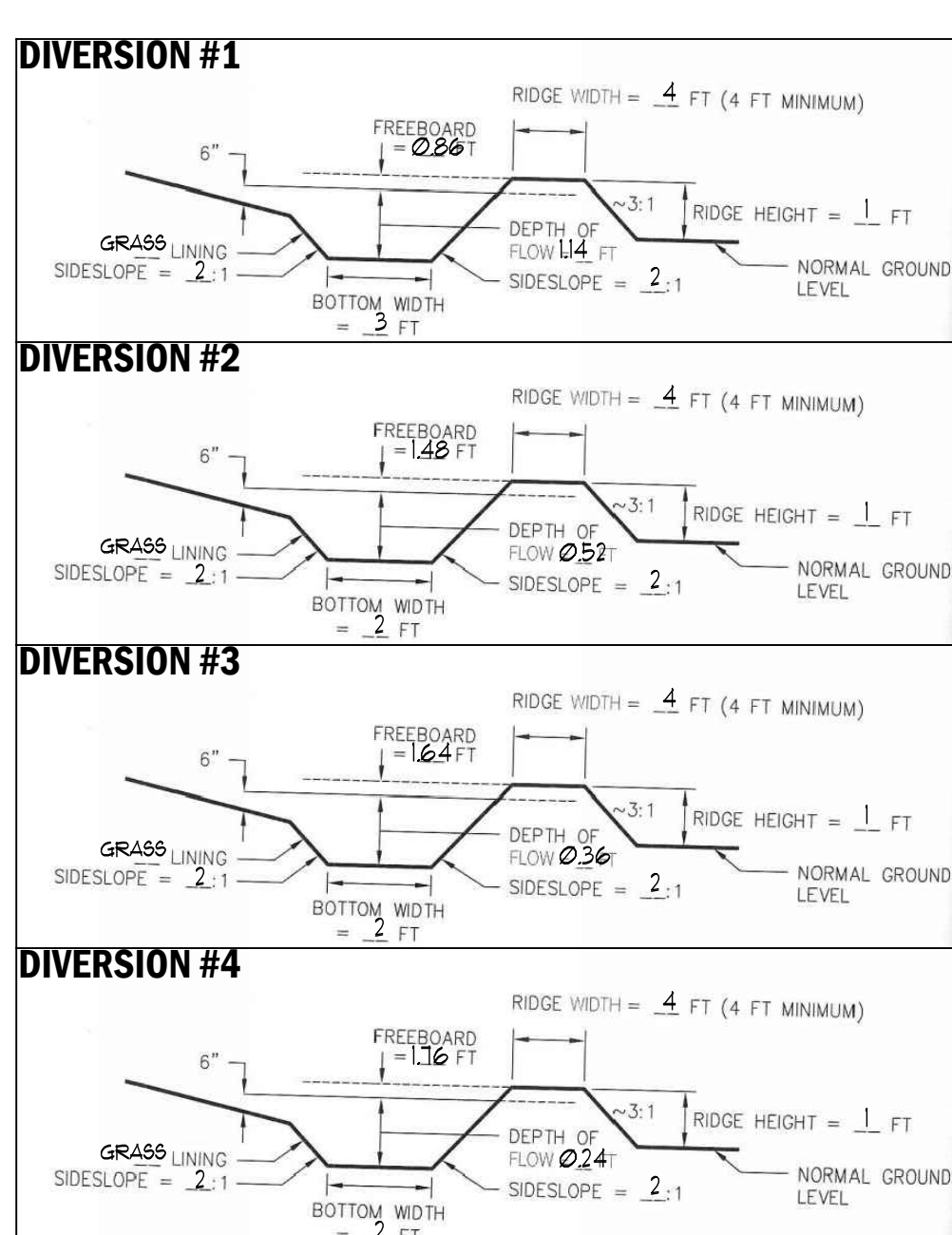
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Structural BMP: Rip Rap Outlet Protection (St)												
Structure	Diameter (in)	Q25 (cfs)	V25 (fps)	Yc (in)	Tailwater Condition	Figure	La (ft)	W ₁ (ft)	W ₂ (ft)	d50 (ft)	dMAX (ft)	D (ft)
A1	24	1.15	3.30	4.00	MINIMUM	6-34.1	16	6	18.00	0.50	0.75	1.13
A3	24	13.11	5.62	18.00	MINIMUM	6-34.2	16	6	18.00	0.50	0.75	1.13
B0	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

Temporary Excavated Inlet Sediment Trap Calculations (SD4)							
Information below provided as required by page 6-155, GSWCC 2016 Edition							
Drainage Structure ID No.	Plan Sheet Reference	1	2	3	5	7	7
		Drainage Area (acres)	Req. Sediment Storage (cy)	Storage Provided (cy)	Surface Area (sf)	Top of storage elevation (cy)	Depth Bottom of Trap (cy)
1	C410	0.21	28.14	35	778	835	2.00

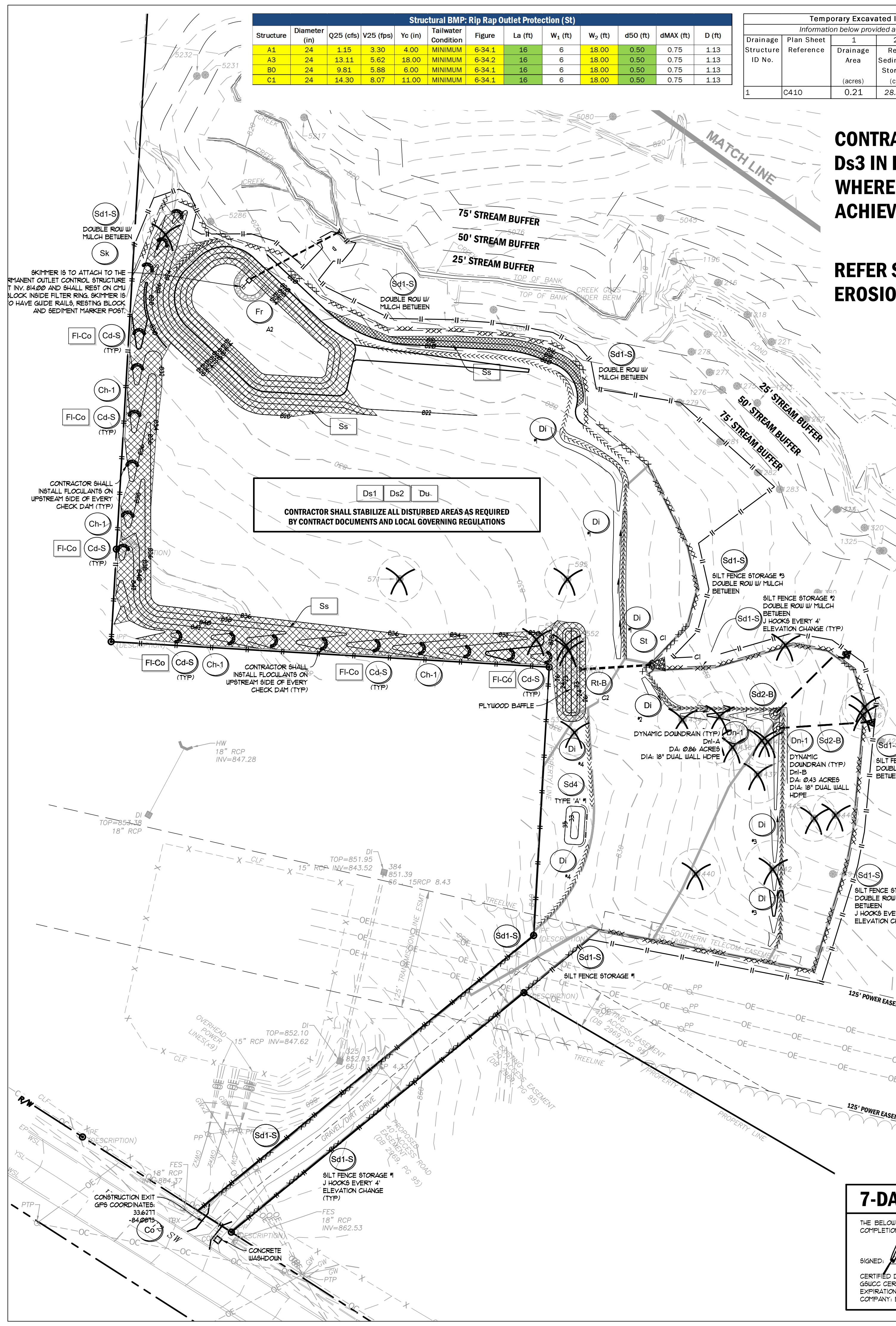


CONTRACTOR OPTION TO USE Ds3 IN LIEU OF Ds2 IN AREAS WHERE FINAL GRADE HAS BEEN ACHIEVED

REFER SHEET C4.52 FOR ALL EROSION CALCULATIONS.

Temporary Excavated Inlet Sediment Trap Calculations (SD2-Ait)										
Information below provided as required by page 6-155, GSWCC 2016 Edition										
Drainage Structure ID No.	Plan Sheet Reference	1	2	3	4	5	6a	6b	6c	7
		Drainage Area (acres)	Req. Sediment Storage (cy)	Assumed Excavation Depth (ft)	Assumed Side Slope (X:1)	Min. Surface Area (sf)	Excavation Shape	Excavation Width (ft)	Excavation Length (ft)	Storage Provided (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

Silt Fence Storage										
1	2	3	4	5	6	7	8	9	10	11
Area	Erosion plan sheet reference	drainage area (acres)	Length (ft)	drainage area per 100' ft (ac/100' ft)	Sed. Storage Height at silt fence (ft)	avg. back slope gradient	Provided Volume (cu-yd)	Required Volume ** (cu-yd)	Required Volume > Provided Volume?	Yes
NO.1	C410	0.38	496.00	0.08	1.0	0.33	751.52	27.83	25.46	Yes
NO.2	C410	0.68	541.00	0.13	1.0	0.20	1352.50	50.09	45.56	Yes
NO.3	C410	0.26	234.00	0.11	1.0	0.10	1170.00	43.39	17.42	Yes



INITIAL EROSION SUMMARY

CONTRACTOR SHALL INSTALL CONSTRUCTION EXIT AND CONCRETE WASHDOWN AS SHOWN. SILT FENCE SHALL BE INSTALLED AROUND PERIMETER OF SITE. SEDIMENT TRAPS SHALL BE INSTALLED AS SHOWN ON PLANS (60% R-B, ETC. REFER TO PLAN)

DISTURBED AREA

TOTAL SITE AREA: 12.45 AC DISTURBED AREA: 8.15 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 DISTURBANCE.
- 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 GROUND COVER IS ESTABLISHED.
- ALL DISTURBED AREAS SHALL BE GRASSSED AS SOON AS CONSTRUCTION PHASE PERMITS.
- SEDIMENT BARRIER DEVICES SHALL BE INSPECTED AND REPAIRED OF DAMAGE DAILY. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND SPREAD ON SITE.
- 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 OR 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) 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 STABILIZED.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AT NO ADDITIONAL COST TO THE OWNER.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

24-HOUR EROSION CONTACT

NAME: ANDREW HAMMER
 COMPANY: ROCKDALE COUNTY BOC
 EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV
 PHONE NUMBER: 678-381-1081

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

GEORGIA811

www.Georgia811.com

GEORGIA LAW MANDATES THAT BEFORE BEGINNING ANY MECHANIZED DIGGINGS OR EXCAVATION WORK, YOU MUST CONTACT GEORGIA 811 BY USING EREQUEST ON WWW.GEORGIA811.COM OR BY CALLING 811 OR 1-800-282-1411 AT LEAST 48 HOURS BUT NO MORE THAN 10 WORKING DAYS IN ADVANCE TO HAVE UTILITY LINES MARKED.

DO NOT BREAK OR DUPLICATE

- DO NOT DUPLICATE DRAWINGS WITHOUT PERMISSION.
- READ THE SPECIFICATIONS. THIS SET OF DRAWINGS AND SPECIFICATIONS DEFINE SCOPE AND CONTRACT REQUIREMENTS. INDIVIDUAL SHEETS SEPARATED FROM THE SET MAY NOT ADEQUATELY REFLECT ALL INFORMATION NEEDED TO SUITABLY COVER CERTAIN ITEMS. DO NOT SEPARATE THIS SET OF DRAWINGS INTO INDIVIDUAL SHEETS.

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 SEEDDED WITH KENTUCKY 31 FESCUE (TEMPORARY) OR HILLED BERBERUA (PERMANENT). APPLY FESCUE AT THE RATE OF FIVE (5) POUNDS PER ONE THOUSAND (1000) SQUARE FEET OR APPLY BERBERUA AT THE RATE OF TWO (2) POUNDS PER ONE THOUSAND (1000) SQUARE FEET. ALL DESIGNATED AREAS SHALL BE PLANTED WITH A HYDRO-SEEDER AFTER AREAS HAVE BEEN PREPARED FOR SEEDING UNLESS PLANS SHOW OTHERWISE. HYDROMULCH 1000 (OR APPROVED EQUIV.) AS MANUFACTURED BY PROFILE PRODUCTS CO. SHALL BE APPLIED AT THE RATE OF ONE THOUSAND FIVE HUNDRED (1500) POUNDS PER ACRE ON FLAT SURFACES, TWO THOUSAND (2000) POUNDS PER ACRE ON SLOPES UP TO (3:1) HORIZONTAL TO 1' VERTICAL, AND TWO THOUSAND FIVE HUNDRED (2500) POUNDS PER ACRE ON SLOPES GREATER THAN 3H TO 1V. APPLY SEED FERTILIZER, LIME, AND FIBER IN ONE OPERATION. EXISTING TREES AND SHRUBS IN HYDRO-SEEDED AREA SHALL BE PROTECTED DURING HYDROSEEDING.

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.

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED. PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNATED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GA00001.

SIGNED: *Justin M Tanner* DATE: 01-16-2024

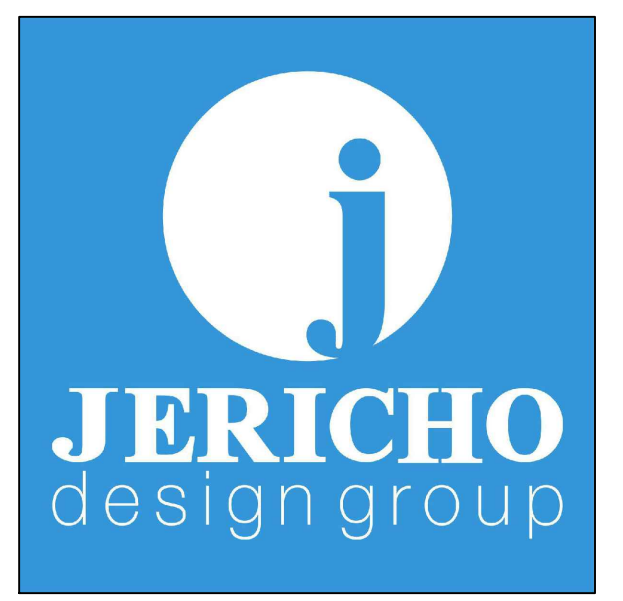
CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER
 GSWCC CERTIFICATION NO. LEVEL II * 00000073448
 EXPIRATION DATE: 03-23-2024
 COMPANY: BREEDLOVE LAND PLANNING, INC.

7-DAY LETTER CERTIFICATION

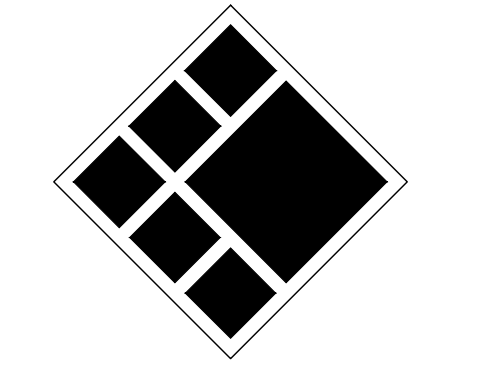
THE BELOW SIGNATURE VERIFIES THAT A 7-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

SIGNED: *Justin M Tanner* DATE: 01-16-2024

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER
 GSWCC CERTIFICATION NO. LEVEL II * 00000073448
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ROCKDALE COUNTY FIRE TRAINING CAMPUS
ROCKDALE COUNTY BOARD OF COMMISSIONERS
 3111 SW HIGHWAY 212
 CONYERS, GEORGIA 30012

PRINT RECORD

No.	DATE	DESCRIPTION
1	07/31/2023	LDP SUBMITTAL
2	09/07/2023	LDP RESUBMITTAL
3	10/12/2023	LDP RESUBMITTAL
4	01/16/2024	LDP RESUBMITTAL

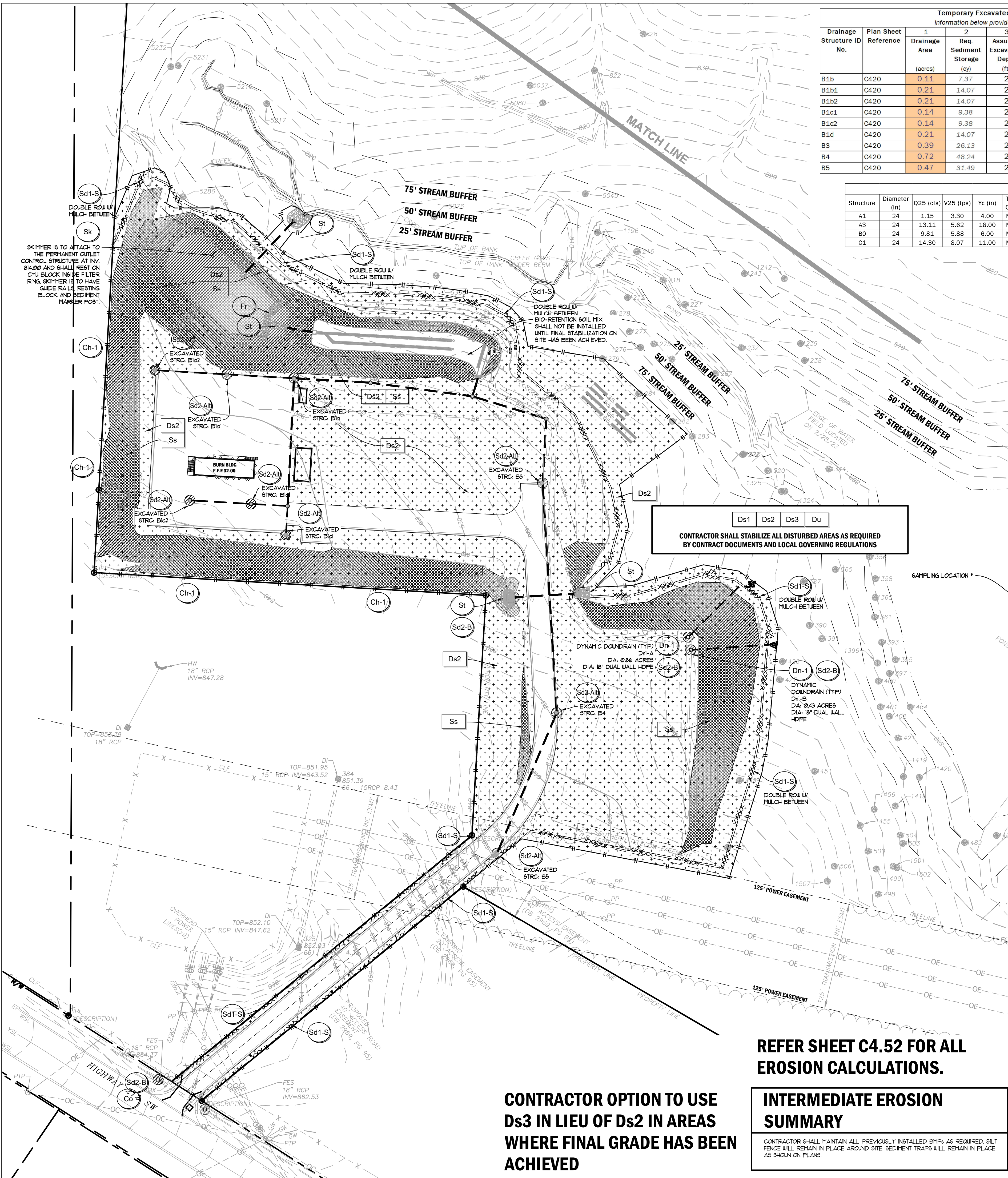
Drawn By: JRQ Checked By: BAM
 Date: 05/05/2023 Job No.: 22051

Sheet Title: ES&PC PLAN - INITIAL PHASE

Sheet No.: **C-4.20**
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Temporary Excavated Inlet Sediment Trap Calculations (SD2-Alt)
Information below provided as required by page 6-155, GSWCC 2016 Edition

Drainage Structure ID No.	Plan Sheet Reference	1 Drainage Area (acres)	2 Req. Sediment Storage (cy)	3 Assumed Excavation Depth (ft)	4 Assumed Side Slope (X:1)	5 Min. Surface Area (sf)	6a Excavation Shape	6b Excavation Width (ft)	6c Excavation Length (ft)	7 Storage Provided (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
B3	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

Structure	Diameter (in)	Q25 (cfs)	V25 (fps)	Yc (in)	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
A3	24	13.11	5.62	18.00	MINIMUM	6-34.2	16	6	18.00	0.50	0.75	1.13
B0	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

7-DAY LETTER CERTIFICATION

THE BELOW SIGNATURE VERIFIES THAT A 7-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

SIGNED: DATE: 01-16-2024

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER
GSWCC CERTIFICATION NO. LEVEL 11 * 0000073448
EXPIRATION DATE: 03-19-2024
COMPANY: BREEDLOVE LAND PLANNING, INC.

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 SEEDDED WITH KENTUCKY 31 FESCUE (TEMPORARY) OR HULLED BERBERIS (PERMANENT). APPLY FESCUE AT THE RATE OF FIVE (5) POUNDS PER ONE THOUSAND (1000) SQUARE FEET OR APPLY BERBERIS AT THE RATE OF TWO (2) POUNDS PER ONE THOUSAND (1000) SQUARE FEET. ALL DESIGNATED AREAS SHALL BE PLANTED WITH A HYDRO-SEEDER AFTER AREAS HAVE BEEN PREPARED FOR SEEDING UNLESS PLANS SHOW OTHERWISE. HYDROMULCH 1000 (OR APPROVED EQUIV.) AS MANUFACTURED BY PROFILE PRODUCTS CO. SHALL BE APPLIED AT THE RATE OF ONE THOUSAND FIVE HUNDRED (1500) POUNDS PER ACRE ON FLAT SURFACES, TWO THOUSAND (2000) POUNDS PER ACRE ON SLOPES UP TO (3:1) HORIZONTAL TO VERTICAL, AND TWO THOUSAND FIVE HUNDRED (2500) POUNDS PER ACRE ON SLOPES GREATER THAN 3H TO 1V. APPLY SEED FERTILIZER, LINE, AND FIBER IN ONE OPERATION. EXISTING TREES AND SHRUBS IN HYDRO-SEEDED AREA SHALL BE PROTECTED DURING HYDROSEEDING.

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SIGNED: DATE: 01-16-2024

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER
GSWCC CERTIFICATION NO. LEVEL 11 * 0000073448
EXPIRATION DATE: 03-19-2024
COMPANY: BREEDLOVE LAND PLANNING, INC.

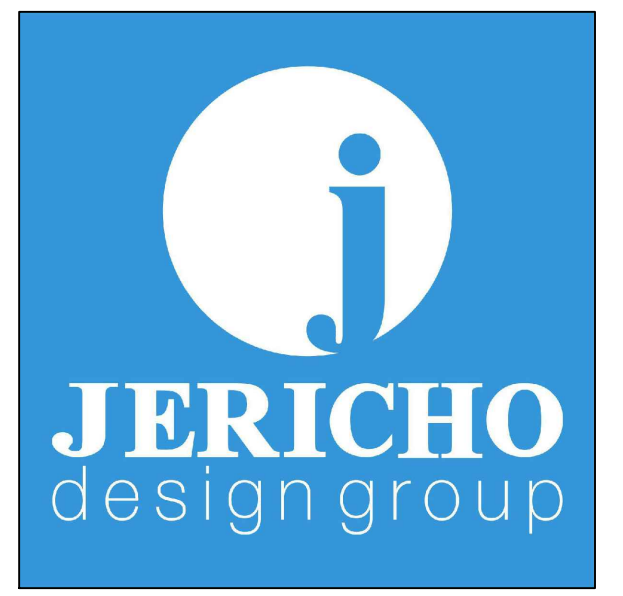
REFER SHEET C4.52 FOR ALL EROSION CALCULATIONS.

INTERMEDIATE EROSION SUMMARY

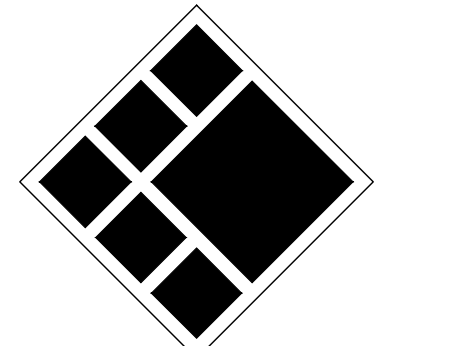
CONTRACTOR SHALL MAINTAIN ALL PREVIOUSLY INSTALLED BMPs AS REQUIRED. SILT FENCE WILL REMAIN IN PLACE AROUND SITE. SEDIMENT TRAPS WILL REMAIN IN PLACE AS SHOWN ON PLANS.

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

Ds1 Ds2 Ds3 Du
CONTRACTOR SHALL STABILIZE ALL DISTURBED AREAS AS REQUIRED BY CONTRACT DOCUMENTS AND LOCAL GOVERNING REGULATIONS



208 Pirkle Ferry Road, Suite C
Cumming, GA 30004



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Landscape Architects & Civil Engineers
15 Simpson Street, NW, Atlanta, GA 30308
P: 770-483-1173 • www.landplanning.net

BLP PROJ. NO. 22158



DISTURBED AREA

TOTAL SITE AREA: 12.45 AC DISTURBED AREA: 8.15 AC

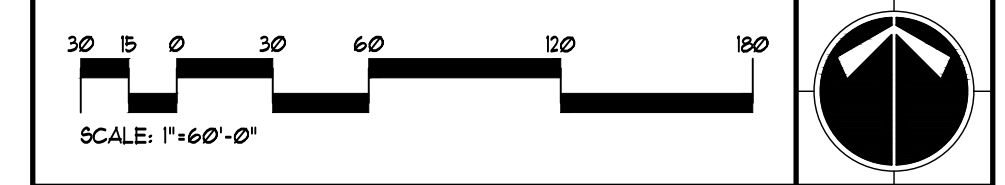
GENERAL EROSION NOTES

- 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 DISTURBANCE.
- 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 GROUND COVER IS ESTABLISHED.
- ALL DISTURBED AREAS 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 SPREAD ON SITE.
- ALL DISTURBED AREAS SHALL BE GRASSSED AS SOON AS CONSTRUCTION PHASE PERMITS.
- 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 OR 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) 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 STABILIZED.
- 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.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

24-HOUR EROSION CONTACT

NAME: ANDREW HAMMER
COMPANY: ROCKDALE COUNTY BOC
EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV
PHONE NUMBER: 678-361-1061

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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- 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



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ROCKDALE COUNTY FIRE TRAINING CAMPUS

ROCKDALE COUNTY BOARD OF COMMISSIONERS

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CONYERS, GEORGIA 30012

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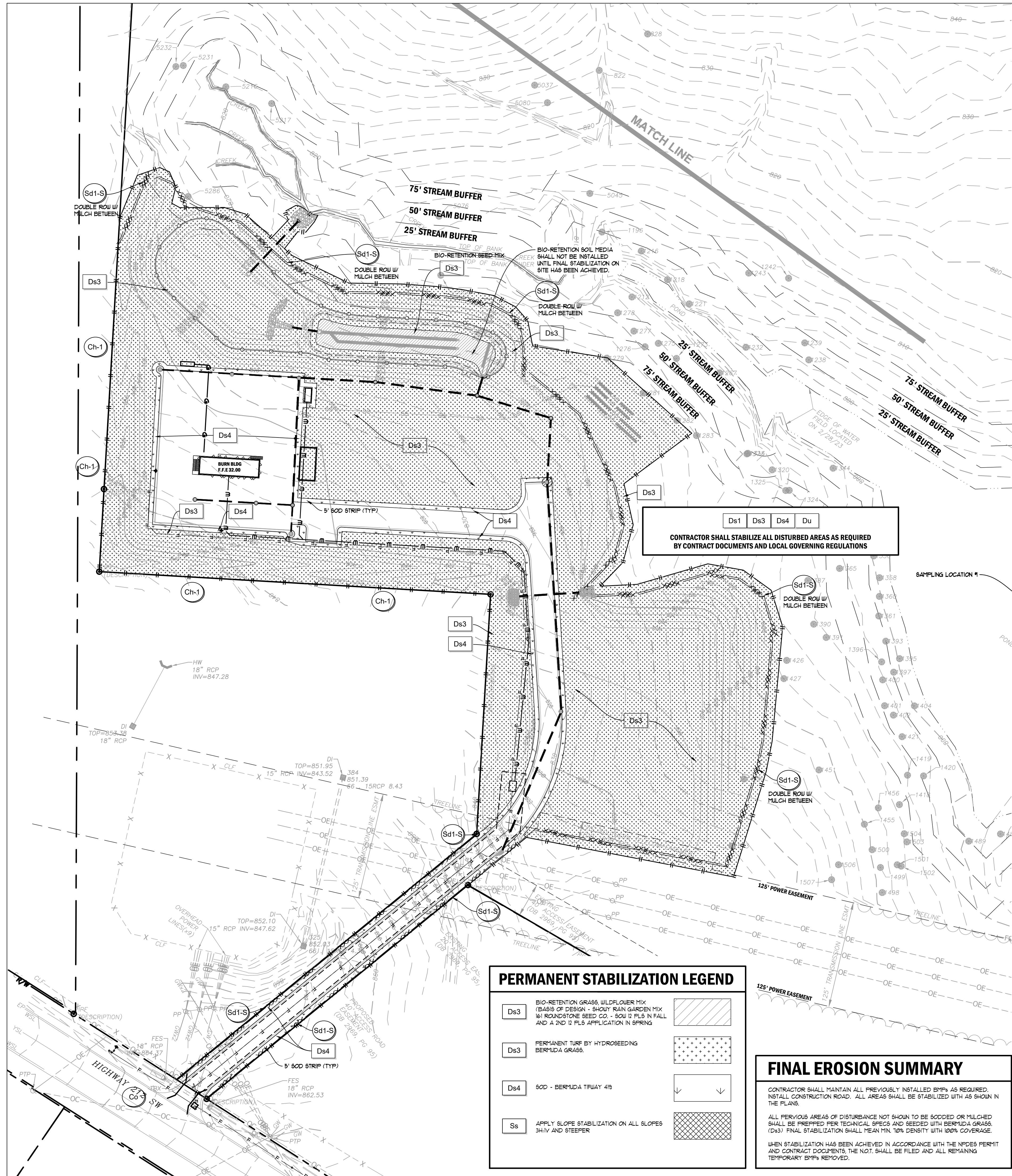
Drawn By: JRQ Checked By: BAM
Date: 05/05/2023 Job No.: 22051

Sheet Title: **ES&PC PLAN - INTERMEDIATE PHASE**

Sheet No.: **C-4.30**

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Structure	Diameter (in)	Q25 (cfs)	V25 (fps)	Yc (in)	Tailwater Condition	Figure	La (ft)	W1 (ft)	W2 (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
A3	24	13.11	5.92	18.00	MINIMUM	6-34.2	16	6	18.00	0.50	0.75	1.13
B0	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

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.

7-DAY LETTER CERTIFICATION

THE BELOW SIGNATURE VERIFIES THAT A 7-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

SIGNED: *[Signature]* DATE: 01-16-2024

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER
 GSWCC CERTIFICATION NO. LEVEL II * 0000029448
 EXPIRATION DATE: 03-29-2024
 COMPANY: BREEDLOVE LAND PLANNING, INC.

DISTURBED AREA

TOTAL SITE AREA: 12.45 AC DISTURBED AREA: 8.15 AC

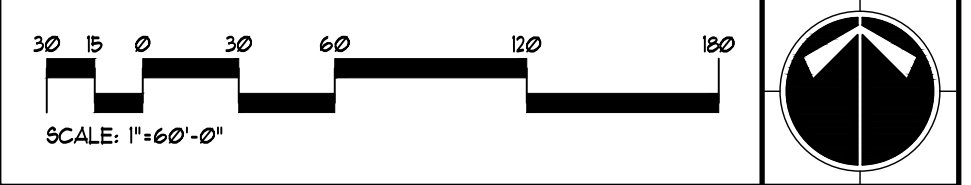
GENERAL EROSION NOTES

- 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 DISTURBANCE.
- 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 GROUND COVER 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 SPREAD ON SITE.
- ALL DISTURBED AREAS SHALL BE GRASSSED AS SOON AS CONSTRUCTION PHASE PERMITS.
- 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 OR 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) 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 STABILIZED.
- 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.
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CONTRACTOR SHALL STABILIZE ALL DISTURBED AREAS AS REQUIRED BY CONTRACT DOCUMENTS AND LOCAL GOVERNING REGULATIONS

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 SEEDDED WITH KENTUCKY 31 FESCUE (TEMPORARY) OR HILLED 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 HYDRO-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 (1500) POUNDS PER ACRE ON FLAT SURFACES, TWO THOUSAND (2000) POUNDS PER ACRE ON SLOPES UP TO (3:1) HORIZONTAL TO 1' VERTICAL, AND TWO THOUSAND FIVE HUNDRED (2500) POUNDS PER ACRE ON SLOPES GREATER THAN 3H TO 1V. APPLY SEED FERTILIZER, LIME, AND FIBER IN ONE OPERATION. EXISTING TREES AND SHRUBS IN HYDRO-SEEDED AREA SHALL BE PROTECTED DURING HYDROSEEDING.

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.

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA (MANUAL), PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNATED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100001.

SIGNED: *[Signature]* DATE: 01-16-2024

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER
 GSWCC CERTIFICATION NO. LEVEL II * 0000029448
 EXPIRATION DATE: 03-29-2024
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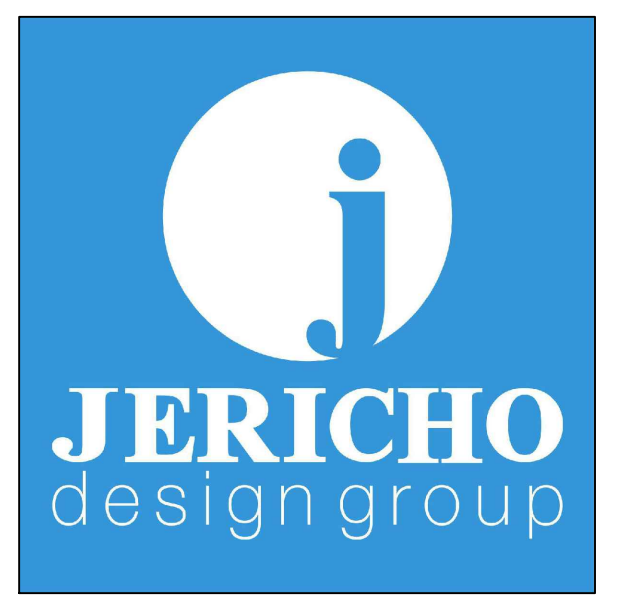
PERMANENT STABILIZATION LEGEND

Ds3	BIO-RETENTION GRASS, WILD FLOWER MIX (BASIS OF DESIGN - SHADY RAIN GARDEN MIX W/ ROUNDSTONE SEED CO. - SOU D PLS IN FALL AND A 2ND D PLS APPLICATION IN SPRING)	
Ds3	PERMANENT TURF BY HYDROSEEDING BERMUDA GRASS.	
Ds4	SOD - BERMUDA TRUWAY 419	
Ss	APPLY SLOPE STABILIZATION ON ALL SLOPES 3H:1 AND STEEPER	

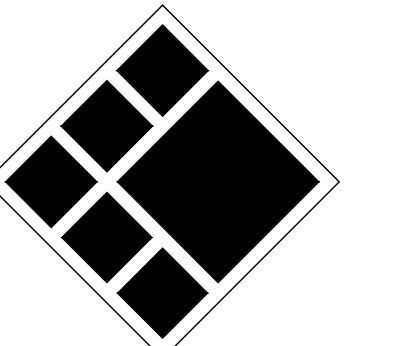
FINAL EROSION SUMMARY

CONTRACTOR SHALL MAINTAIN ALL PREVIOUSLY INSTALLED BMPs AS REQUIRED, INSTALL CONSTRUCTION ROAD. ALL AREAS SHALL BE STABILIZED WITH AS SHOWN IN THE PLANS.

ALL PREVIOUS AREAS OF DISTURBANCE NOT SHOWN TO BE SODDED OR MULCHED SHALL BE PREPARED PER TECHNICAL SPECS AND SEEDDED WITH BERMUDA GRASS. (Ds3) FINAL STABILIZATION SHALL MEAN MIN. 70% DENSITY WITH 100% COVERAGE. WHEN STABILIZATION HAS BEEN ACHIEVED IN ACCORDANCE WITH THE NPDES PERMIT AND CONTRACT DOCUMENTS, THE NOT. SHALL BE FILED AND ALL REMAINING TEMPORARY BMPs REMOVED.



208 Pirkle Ferry Road, Suite C
 Cumming, GA 30040



BREEDLOVE LAND PLANNING
 Landscape Architects & Civil Engineers
 15 Simpson Street, NW, Atlanta, GA 30308
 P: 770-483-1173 • www.landplanning.net

BLP PROJ. NO. 22158



ROCKDALE COUNTY FIRE TRAINING CAMPUS

ROCKDALE COUNTY BOARD OF COMMISSIONERS

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 CONYERS, GEORGIA 30012

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4	01/16/2024	LDP RESUBMITTAL

Drawn By: JRQ Checked By: BAM
 Date: 05/05/2023 Job No.: 22051
 Sheet Title:

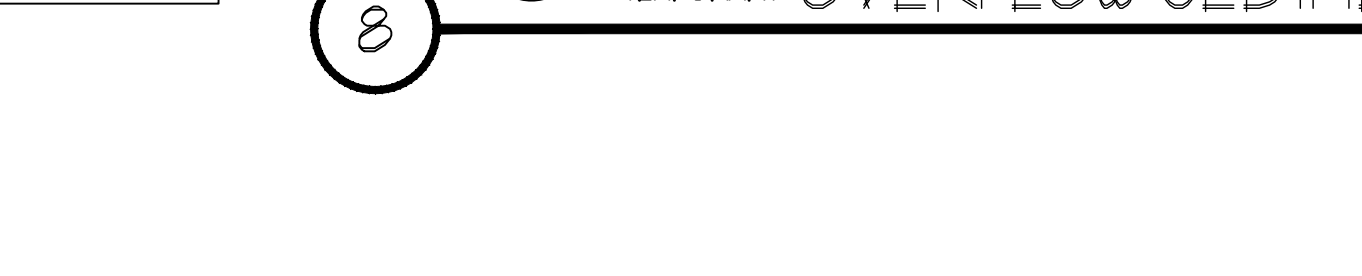
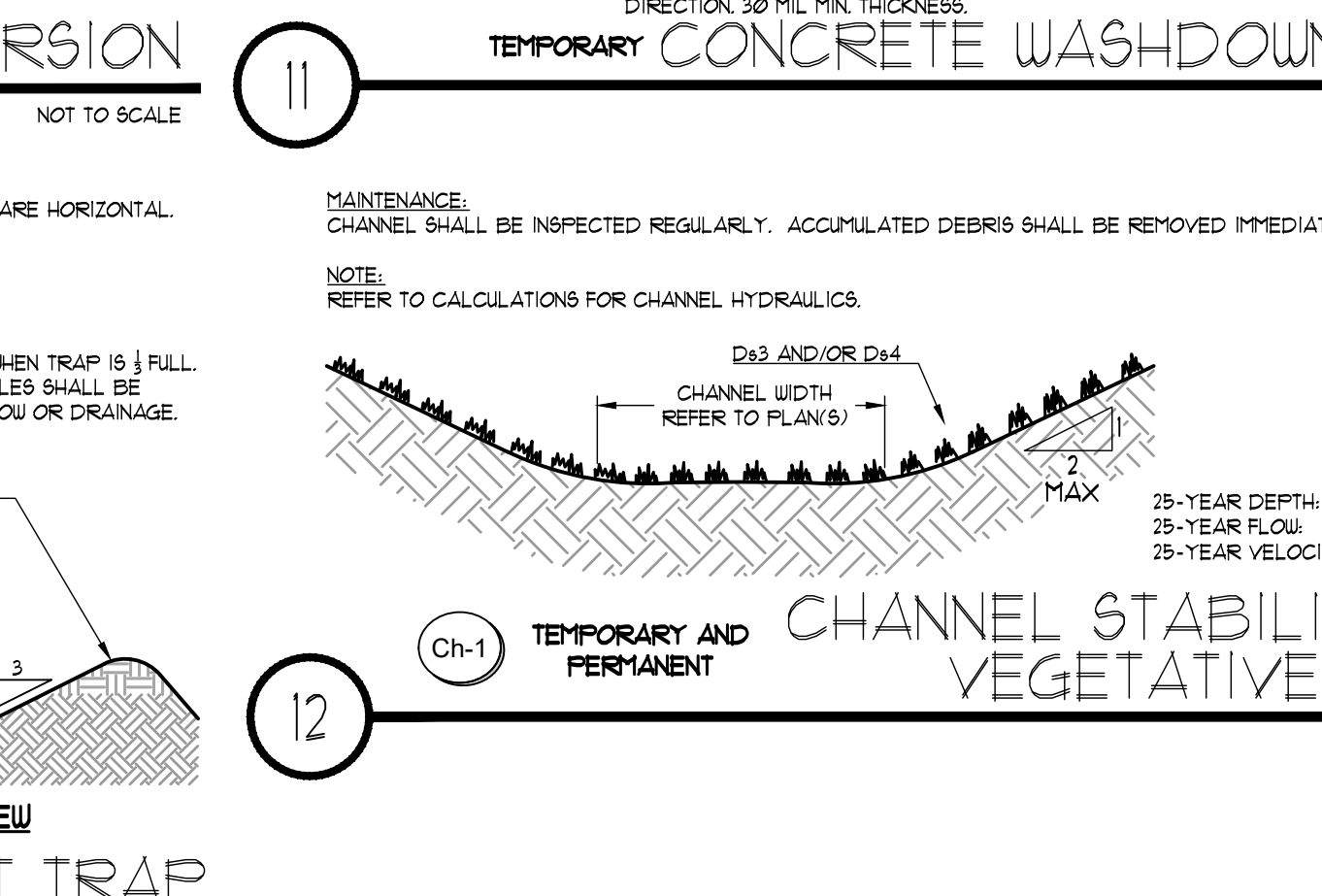
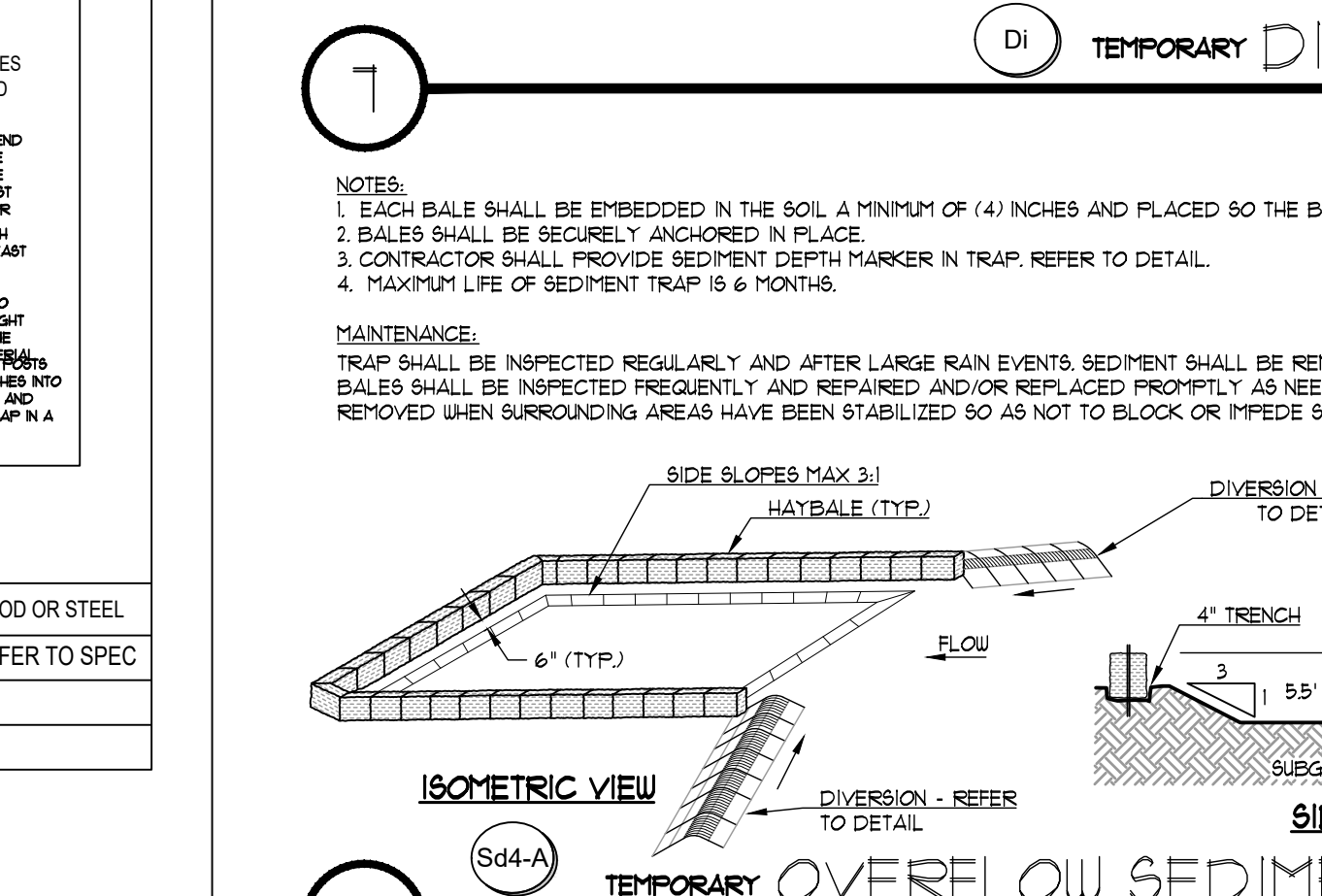
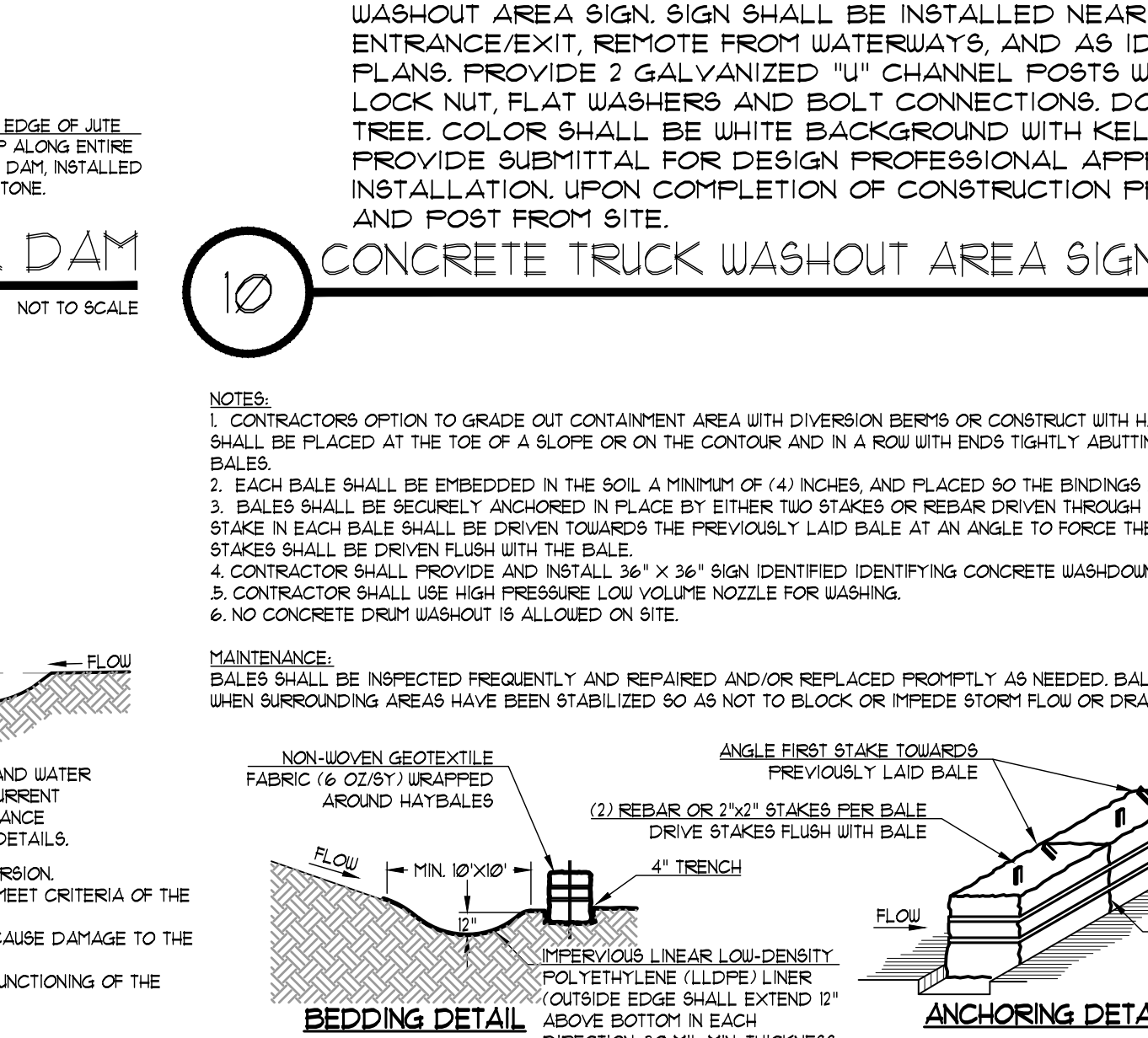
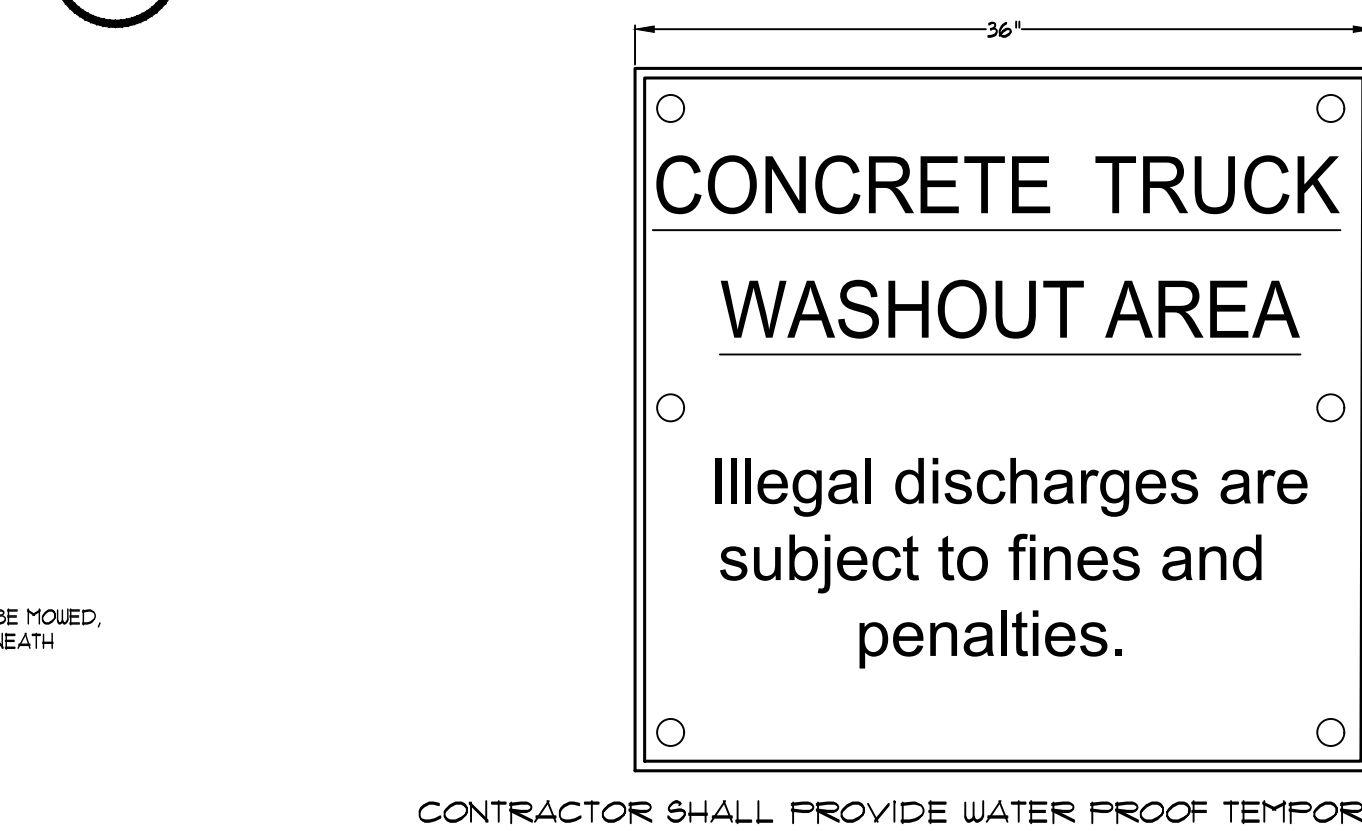
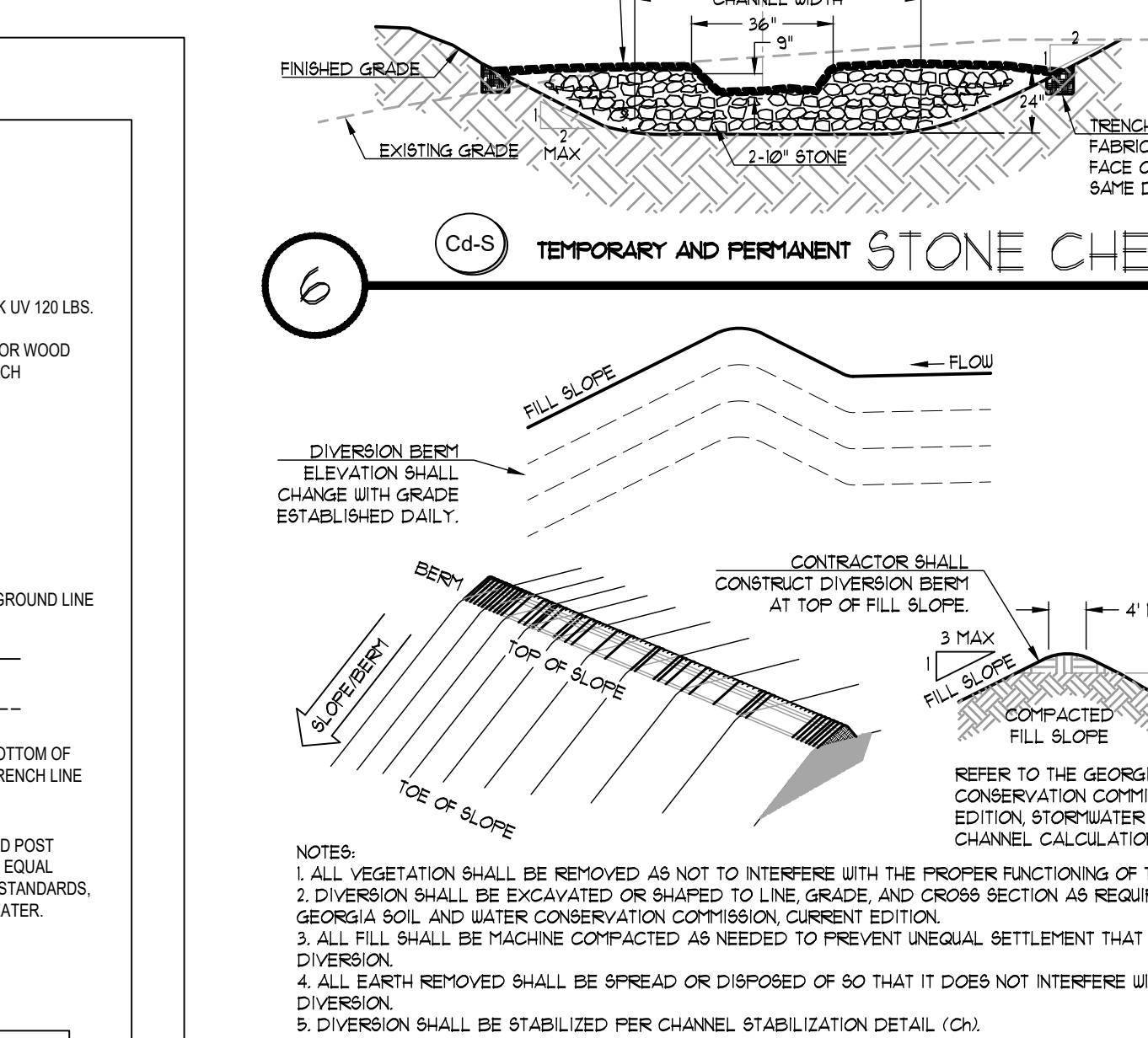
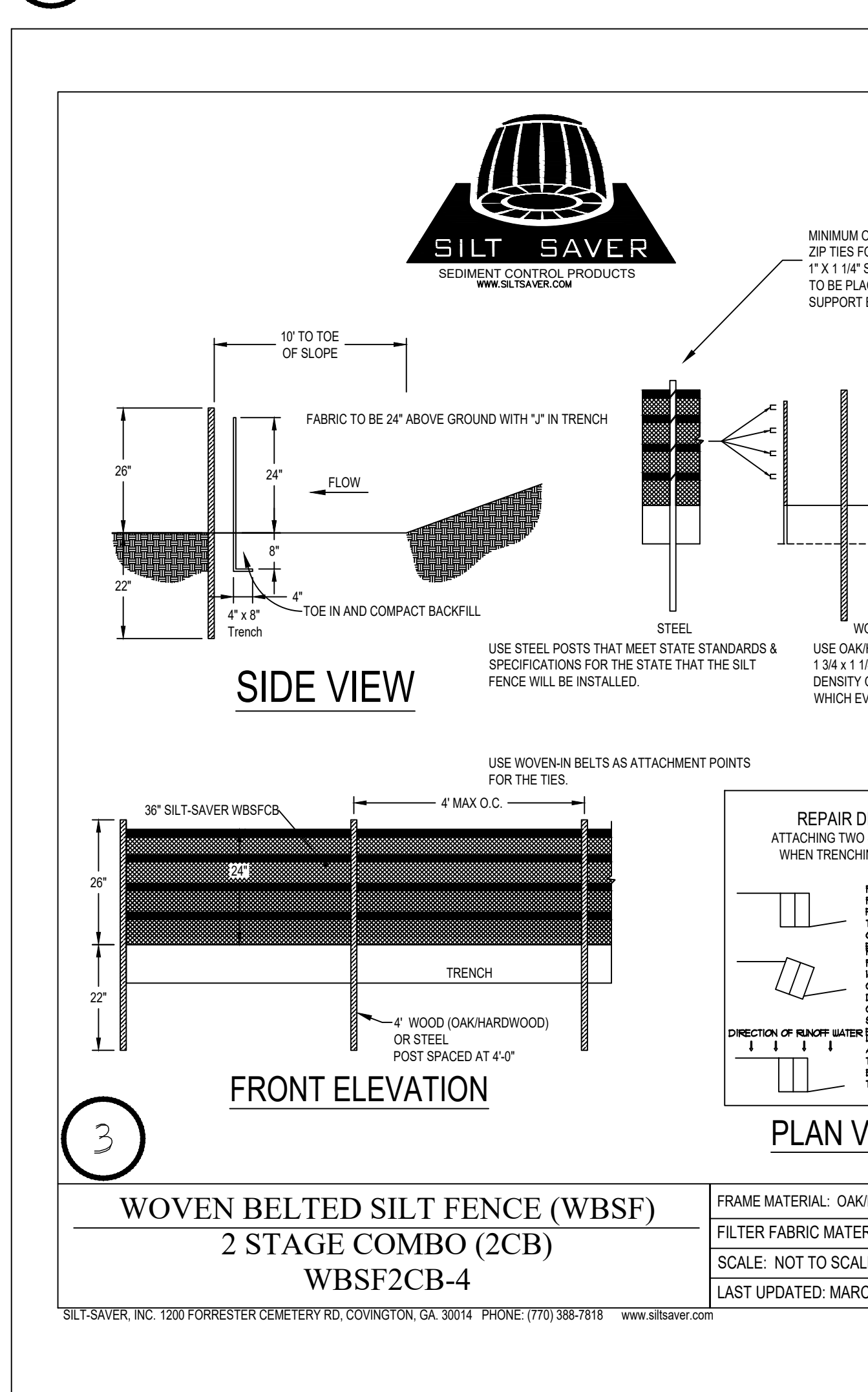
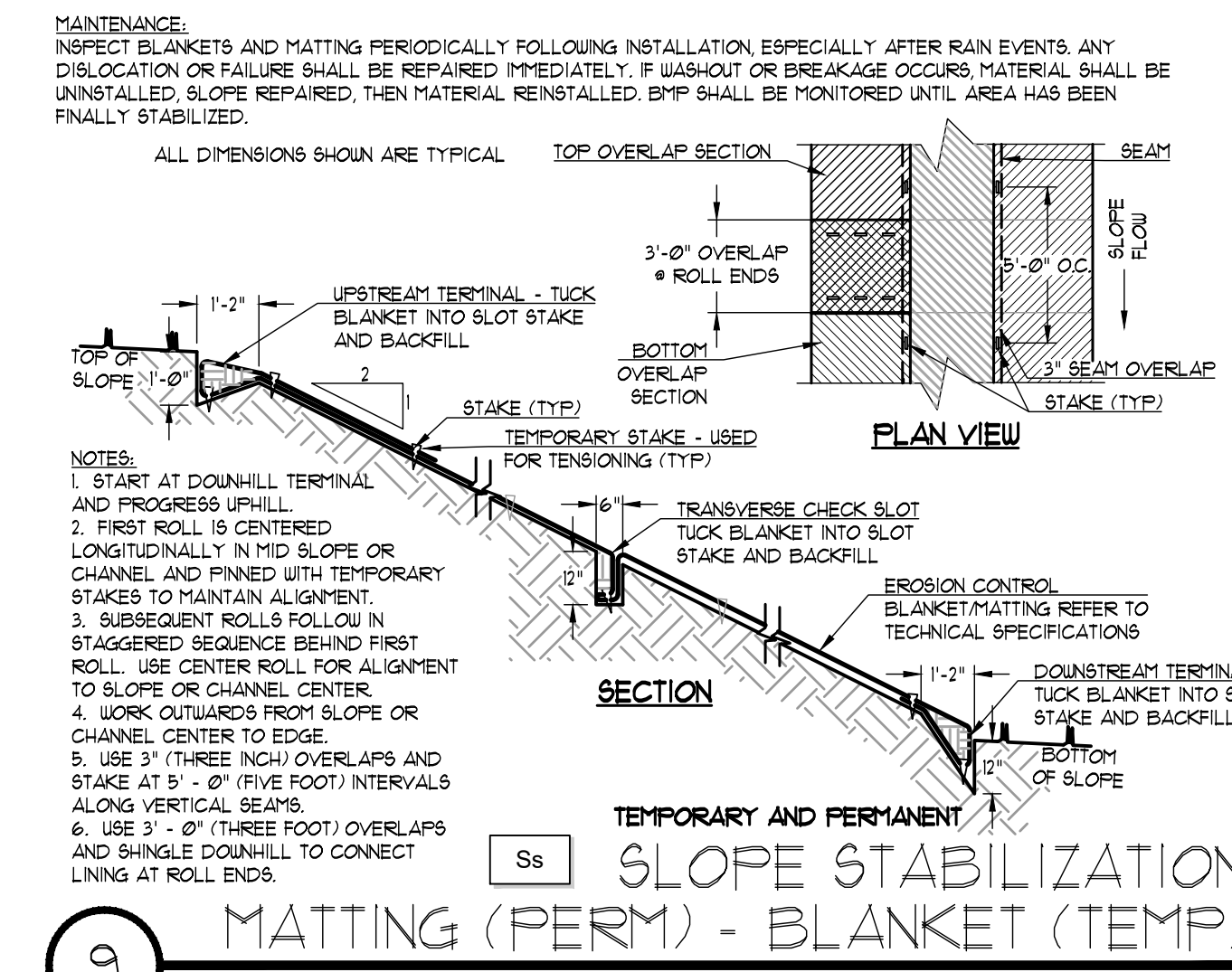
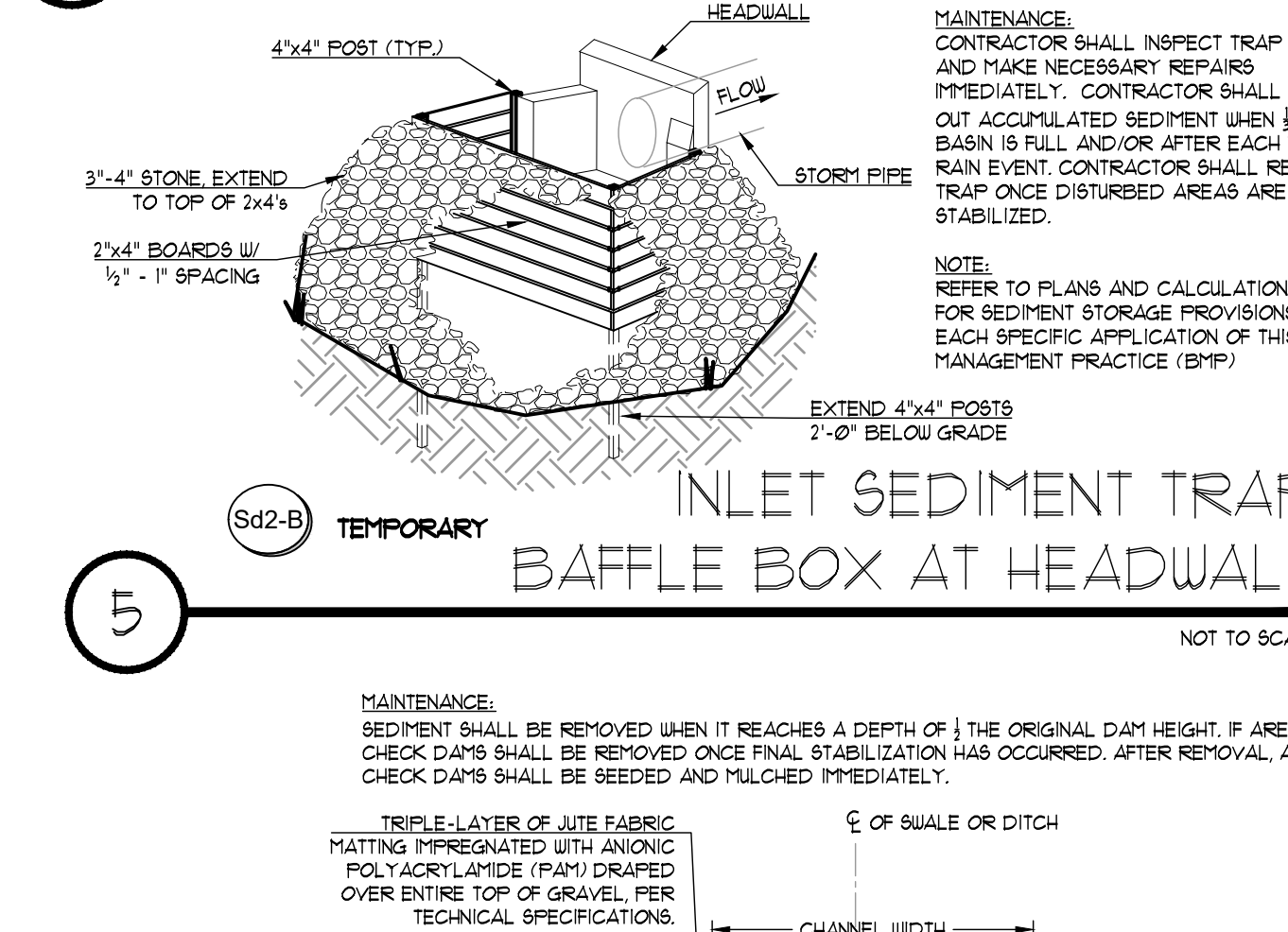
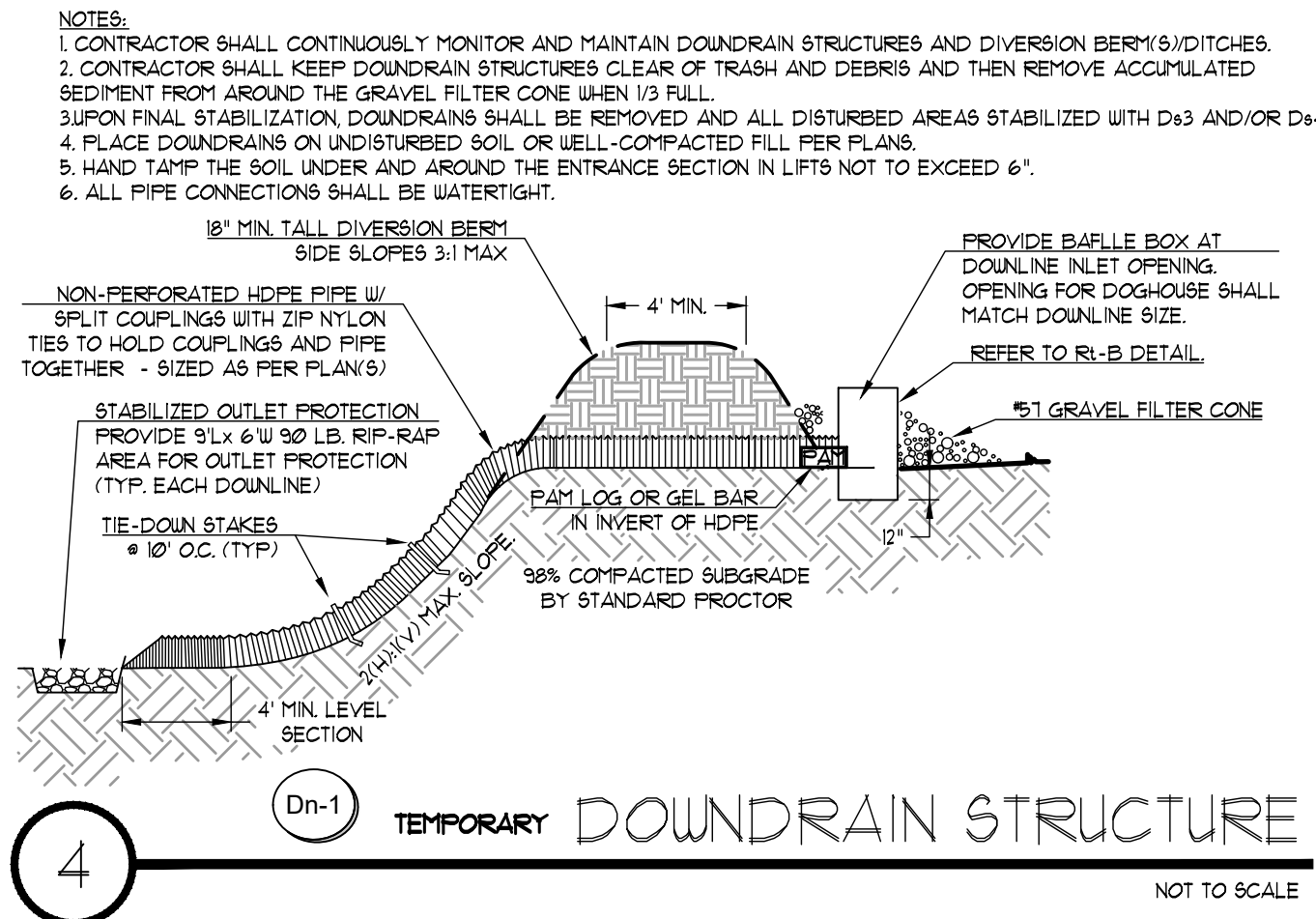
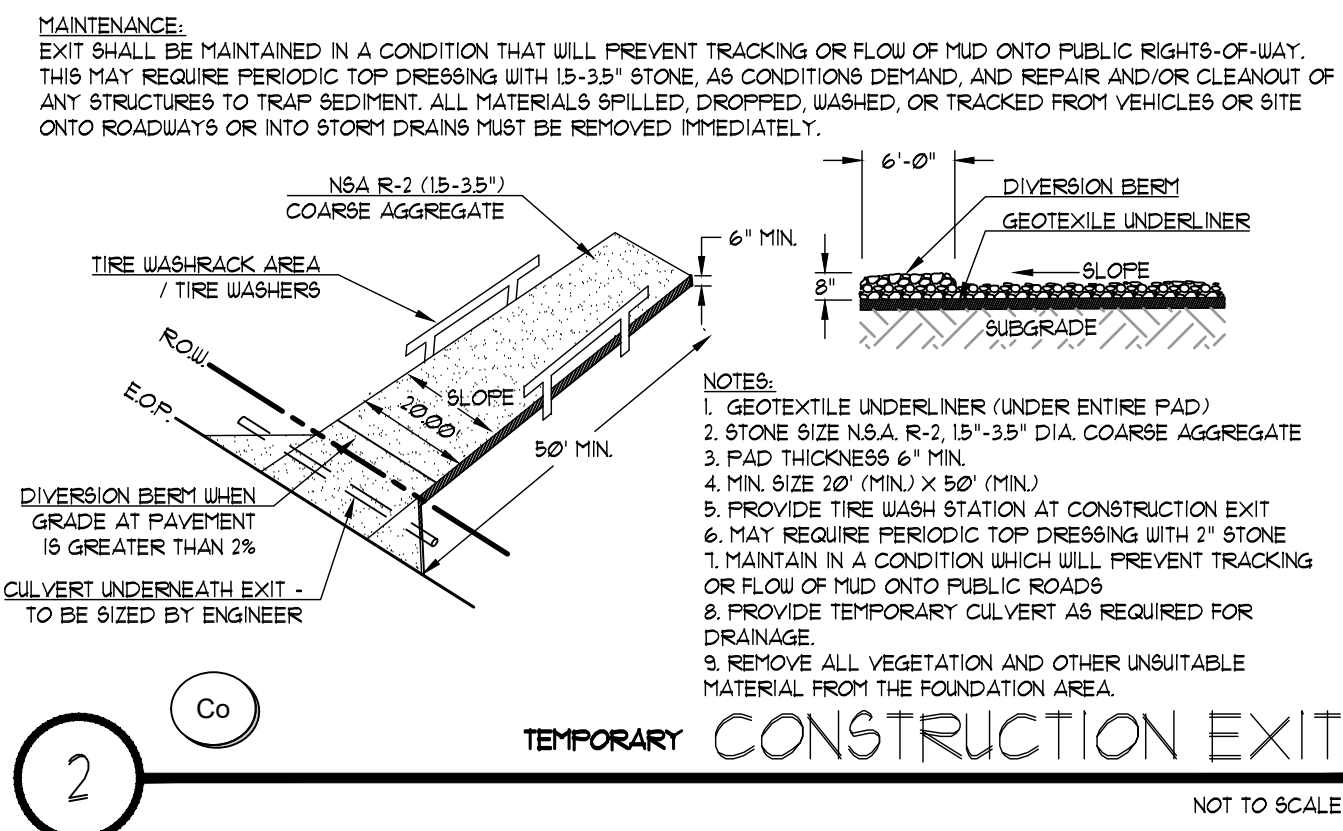
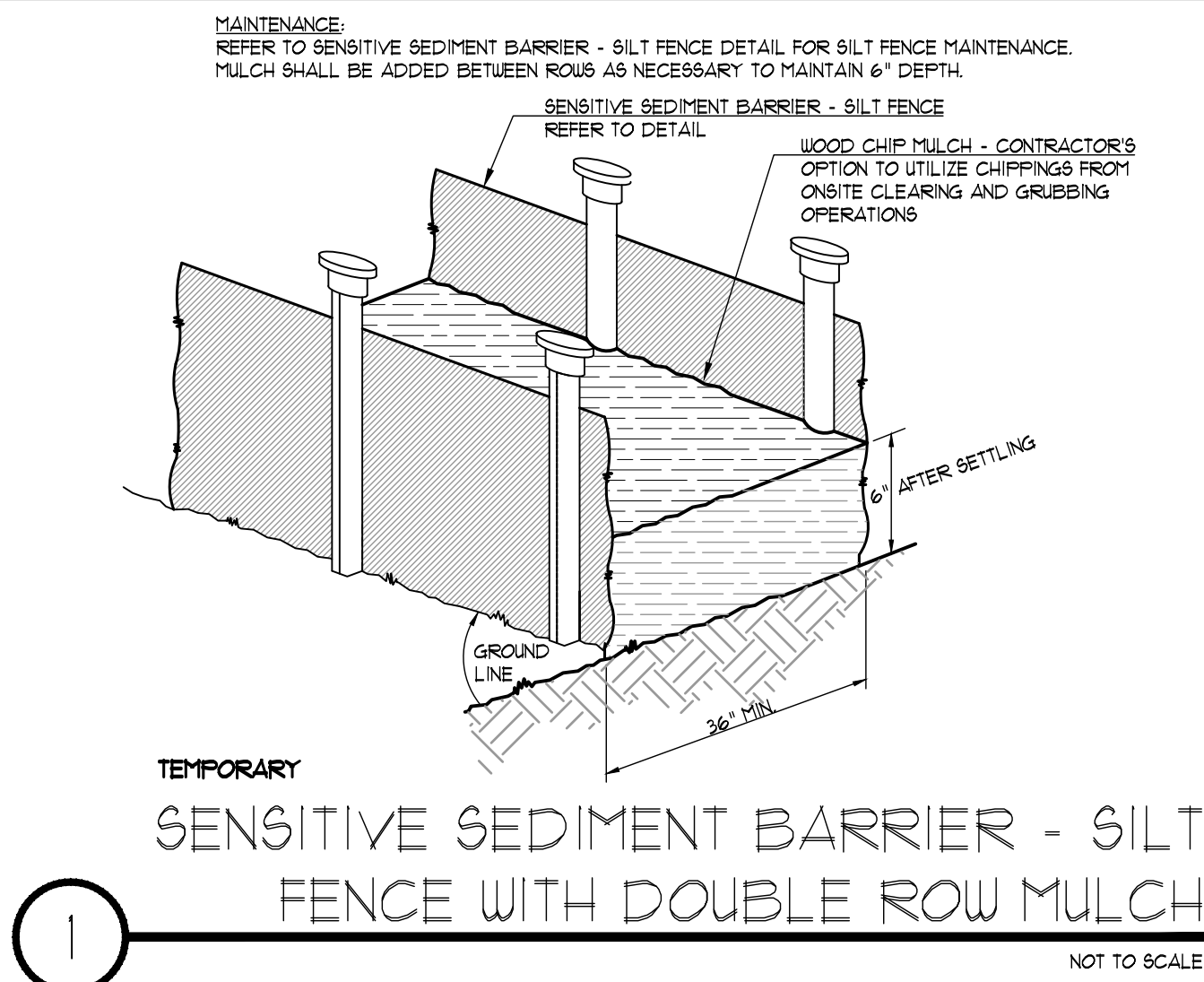
ES&PC PLAN - FINAL PHASE

Sheet No.

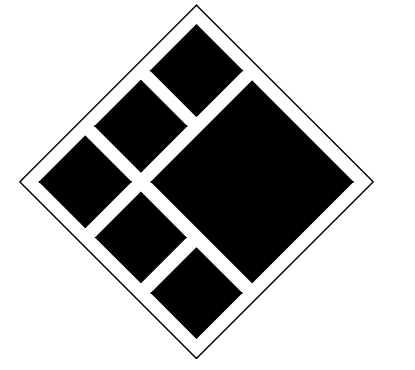
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SIGNED: [Signature] DATE: 01-16-2024
CERTIFIED DESIGN PROFESSIONAL: JUSTIN M. TANNER
GSWCC CERTIFICATION NO. LEVEL II # 00000019448
EXPIRATION DATE: 03-29-2024
COMPANY: BREEDLOVE LAND PLANNING, INC.

GSWCC CHECKLIST LEGEND
55 GSWCC CHECKLIST ITEM NUMBER

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NAME: ANDREW HAMMER
COMPANY: ROCKDALE COUNTY BOC
EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV
PHONE NUMBER: 678-381-1081

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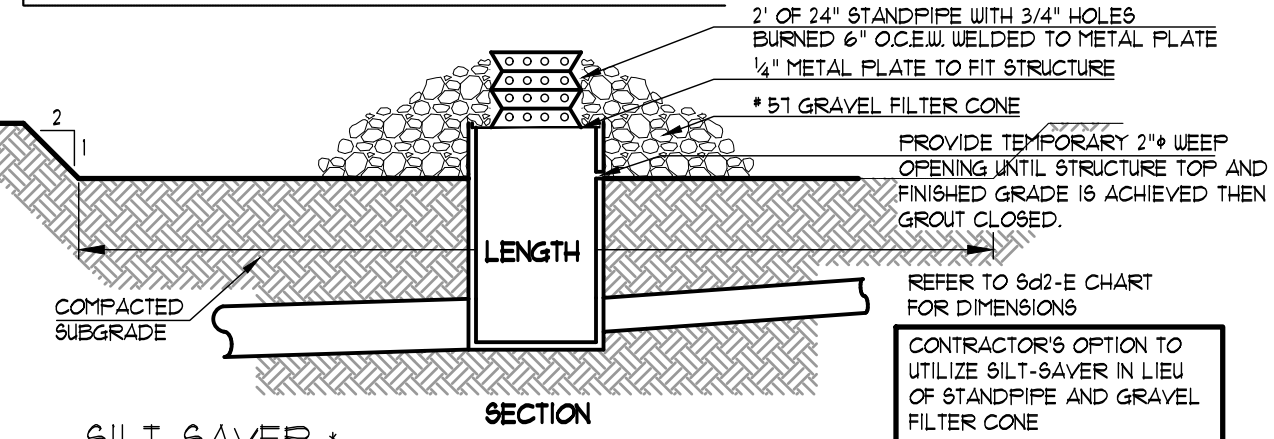
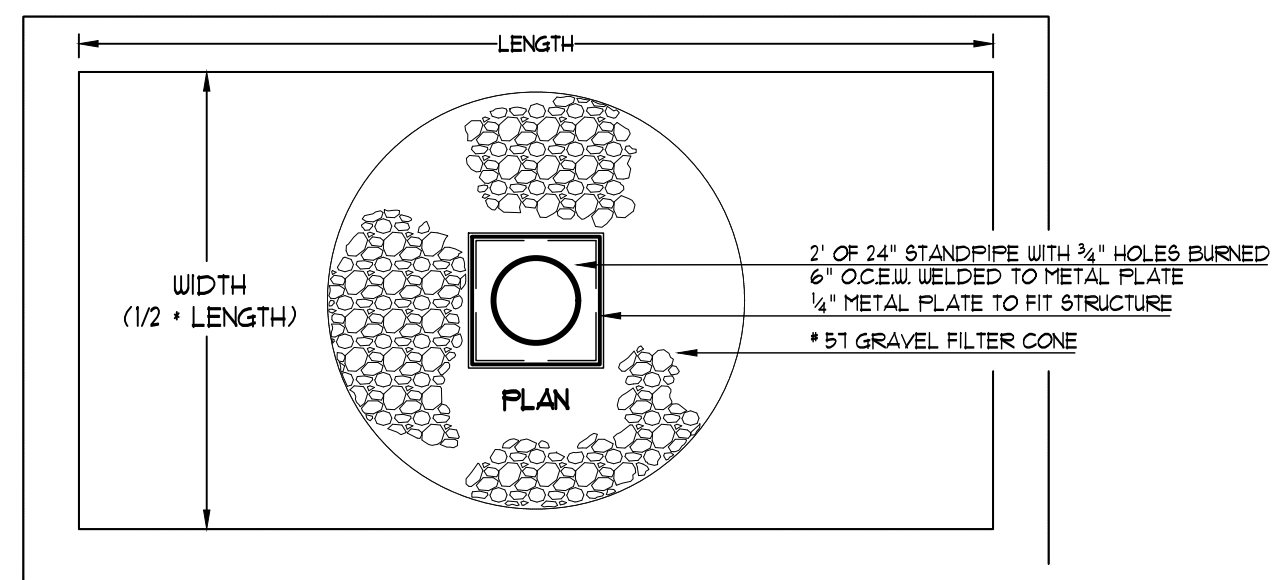
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Date: 05/05/2023
Job No.: 22051
Sheet Title:

ES&PC DETAILS
Sheet No.:
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5/5/2023 1:47:32 PM

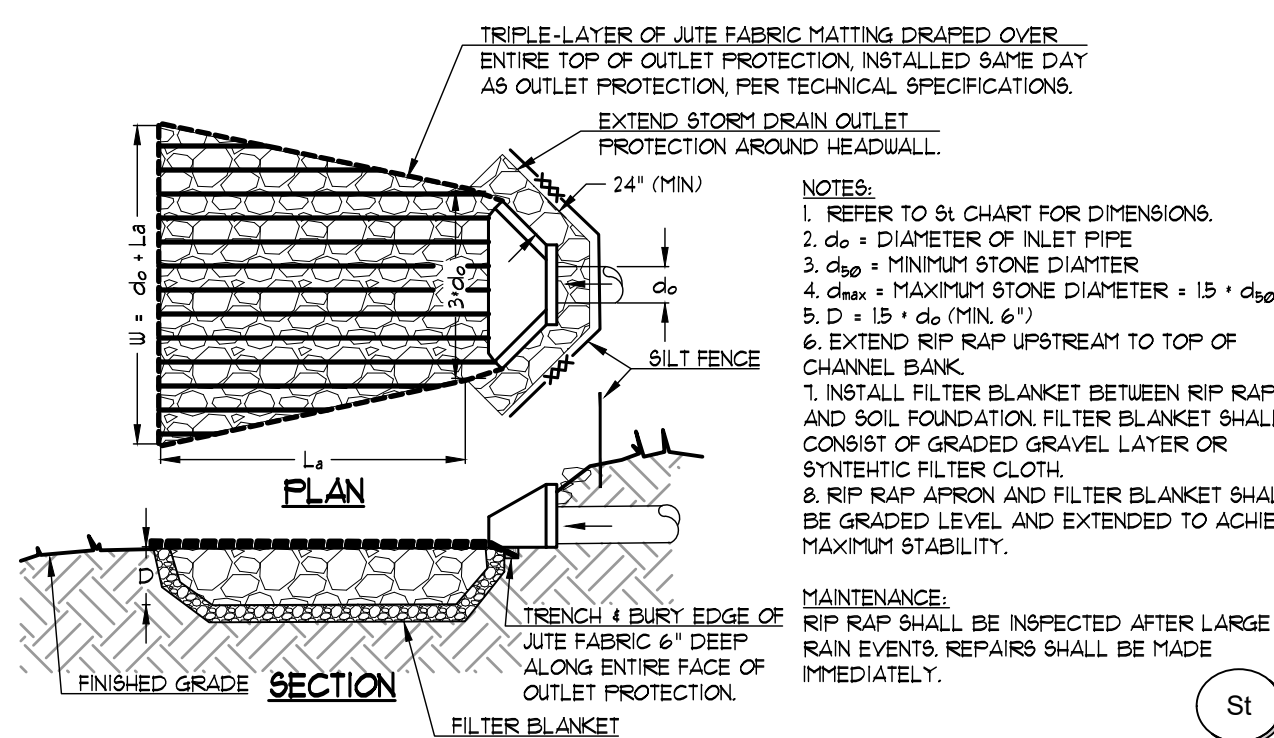
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OR APPROVED EQUAL

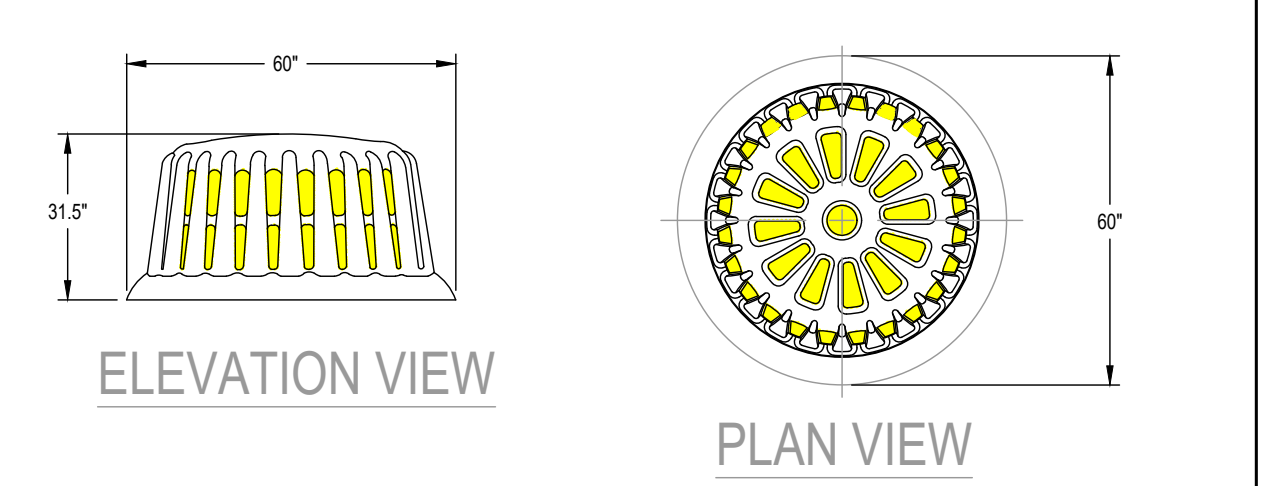
EXCAVATED TEMPORARY INLET SEDIMENT TRAP

NOT TO SCALE



TEMPORARY AND PERMANENT STORM DRAIN OUTLET PROTECTION MINIMUM TAILWATER CONDITION

NOT TO SCALE



ROUND BASE FRAME & FILTER ASSEMBLY
60" DIAMETER
Model # R-100A
FRAME MATERIAL: BLACK PE
FILTER FABRIC MATERIAL: REFER TO SPEC
SCALE: NOT TO SCALE
LAST UPDATED: MARCH 2021

REPLACEMENT FILTERS: MODEL # R-140HF OR R-140DT
SILT-SAVER, INC. 1200 FORRESTER CEMETERY RD. CONYERS, GA 30014 PHONE: (770) 388-7618 FAX: (770) 388-7640 TOLL FREE: 1-888-382-SILT (1458) www.silt-saver.com

TEMPORARY INLET SEDIMENT TRAP

NOT TO SCALE

SOD APPLICATION 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
CENTIFEDE		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

PIEDMONT VEGETATIVE COVERS SOIL AMENDMENTS D3

MONTH	TEMPORARY	Ds2	RATE / ACRE - MIX	PERMANENT	Ds3	RATE / ACRE - MIX	LIME	6-12-12	AMMONIA NITRATE
JANUARY	RYE GRASS		40 LBS	UNHILLED BERMUDA SERICEA LESPEDEZA		10 LBS - 8 LBS 40 LBS - 30 LBS	60 LBS PER 1000 SQFT.	40 LBS PER 1000 SQFT.	300 LBS PER ACRE
FEBRUARY	RYE GRASS		40 LBS	UNHILLED BERMUDA SERICEA LESPEDEZA (2) FESCUE		10 LBS - 8 LBS 40 LBS - 30 LBS	60 LBS PER 1000 SQFT.	40 LBS PER 1000 SQFT.	300 LBS PER ACRE
MARCH	RYE GRASS ANNUAL LESPEDEZA (2) WEEPIING LOVEGRASS		2-3 BU 30 LBS - 25 LBS 4 LBS - 2 LBS	UNHILLED BERMUDA SERICEA LESPEDEZA (12) FESCUE		10 LBS - 8 LBS 40 LBS - 30 LBS 50 LBS - 40 LBS	60 LBS PER 1000 SQFT.	40 LBS PER 1000 SQFT.	300 LBS PER ACRE
APRIL	RYE GRASS ANNUAL LESPEDEZA (2) WEEPIING LOVEGRASS SUDAN GRASS		30 LBS - 25 LBS 3 BU - 0.5 BU 40 LBS - 30 LBS 35 LBS	WEEPIING LOVEGRASS HILLED BERMUDA BAHIA		6 LBS - 6 LBS 10 LBS - 8 LBS 60 LBS - 40 LBS	60 LBS PER 1000 SQFT.	40 LBS PER 1000 SQFT.	300 LBS PER ACRE
MAY	WEEPIING LOVEGRASS SUDAN GRASS BROWN TOP MILLET		30 LBS - 25 LBS 35 LBS 40 LBS - 15 LBS	WEEPIING LOVEGRASS HILLED BERMUDA BAHIA		6 LBS - 6 LBS 10 LBS - 8 LBS 60 LBS - 40 LBS	60 LBS PER 1000 SQFT.	40 LBS PER 1000 SQFT.	300 LBS PER ACRE
JUNE	WEEPIING LOVEGRASS SUDAN GRASS BROWN TOP MILLET		6 LBS - 6 LBS 35 LBS 40 LBS - 15 LBS	WEEPIING LOVEGRASS HILLED BERMUDA BAHIA		6 LBS - 6 LBS 10 LBS - 8 LBS 60 LBS - 40 LBS	60 LBS PER 1000 SQFT.	40 LBS PER 1000 SQFT.	300 LBS PER ACRE
JULY	SAME AS JUNE		6 LBS - 6 LBS 35 LBS 40 LBS - 15 LBS	WEEPIING LOVEGRASS HILLED BERMUDA BAHIA		6 LBS - 6 LBS 10 LBS - 8 LBS 60 LBS - 40 LBS	60 LBS PER 1000 SQFT.	40 LBS PER 1000 SQFT.	300 LBS PER ACRE
AUGUST	WEEPIING LOVEGRASS RYE GRASS		6 LBS - 6 LBS 40 LBS				60 LBS PER 1000 SQFT.	40 LBS PER 1000 SQFT.	300 LBS PER ACRE
SEPTEMBER				FESCUE		50 LBS - 30 LBS	60 LBS PER 1000 SQFT.	40 LBS PER 1000 SQFT.	300 LBS PER ACRE
OCTOBER	WHEAT		3 BU - 0.5 BU	UNHILLED BERMUDA SERICEA LESPEDEZA (2) FESCUE		10 LBS - 8 LBS 40 LBS - 30 LBS 50 LBS - 40 LBS	60 LBS PER 1000 SQFT.	40 LBS PER 1000 SQFT.	300 LBS PER ACRE
NOVEMBER	SAME AS OCTOBER			SAME AS OCTOBER		SAME AS OCTOBER	60 LBS PER 1000 SQFT.	40 LBS PER 1000 SQFT.	300 LBS PER ACRE
DECEMBER	SAME AS OCTOBER			SAME AS OCTOBER		SAME AS OCTOBER	60 LBS PER 1000 SQFT.	40 LBS PER 1000 SQFT.	300 LBS PER ACRE

VEGETATIVE PLAN- PIEDMONT VEGETATIVE COVERS Ds3 Ds2

NOT TO SCALE

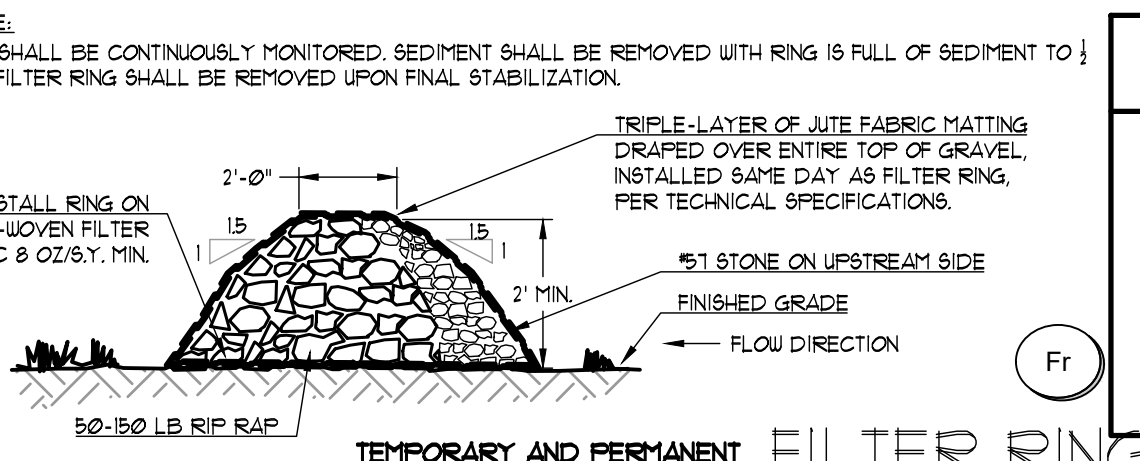
MULCHING APPLICATION Ds1

MATERIAL	RATE	DEPTH
STRAW OR HAY	2 1/2 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

NOT TO SCALE



TEMPORARY AND PERMANENT FILTER RING

NOT TO SCALE

7-DAY LETTER CERTIFICATION

THE BELOW SIGNATURE VERIFIES THAT A 7-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.
SIGNED: [Signature] DATE: 01/16/2024
CERTIFIED DESIGN PROFESSIONAL: JUSTIN TANNER
GSWCC CERTIFICATION NO. LEVEL II * 0000029448
EXPIRATION DATE: 02-29-2024
COMPANY: BREEDLOVE LAND PLANNING, INC.

GSWCC CHECKLIST LEGEND

GSWCC CHECKLIST ITEM NUMBER

Table 6-5.1. Fertilizer Requirements

TYPE OF SPECIES	YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE
1. Cool season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 1/2/30
	Second	6-12-12	1000 lbs./ac.	
	Maintenance	10-10-10	400 lbs./ac.	
2. Cool season grasses and legumes	First	6-12-12	1500 lbs./ac.	0-50 lbs./ac. 1/
	Second	0-10-10	1000 lbs./ac.	
	Maintenance	0-10-10	400 lbs./ac.	
3. Ground covers	First	10-10-10	1300 lbs./ac. 3/	—
	Second	10-10-10	1300 lbs./ac. 3/	
	Maintenance	10-10-10	1100 lbs./ac.	
4. Pine seedlings	First	20-10-5	one 21-gram pellet per seedling placed in the closing hole	—
5. Shrub Lespedeza	First	0-10-10	700 lbs./ac.	—
	Maintenance	0-10-10	700 lbs./ac. 4/	
6. Temporary cover crops seeded alone	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/
7. Warm season grasses	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 2/6/
	Second	6-12-12	800 lbs./ac.	
	Maintenance	10-10-10	400 lbs./ac.	
8. Warm season grasses and legumes	First	6-12-12	1500 lbs./ac.	50 lbs./ac. 6/
	Second	0-10-10	1000 lbs./ac.	
	Maintenance	0-10-10	400 lbs./ac.	

- 1/ Apply in spring following seeding.
- 2/ Apply in split applications when high rates are used.
- 3/ Apply in 3 split applications.
- 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.

Calculate Skimmer Size

Basin Volume in Cubic Feet: **90,100** Cu.Ft

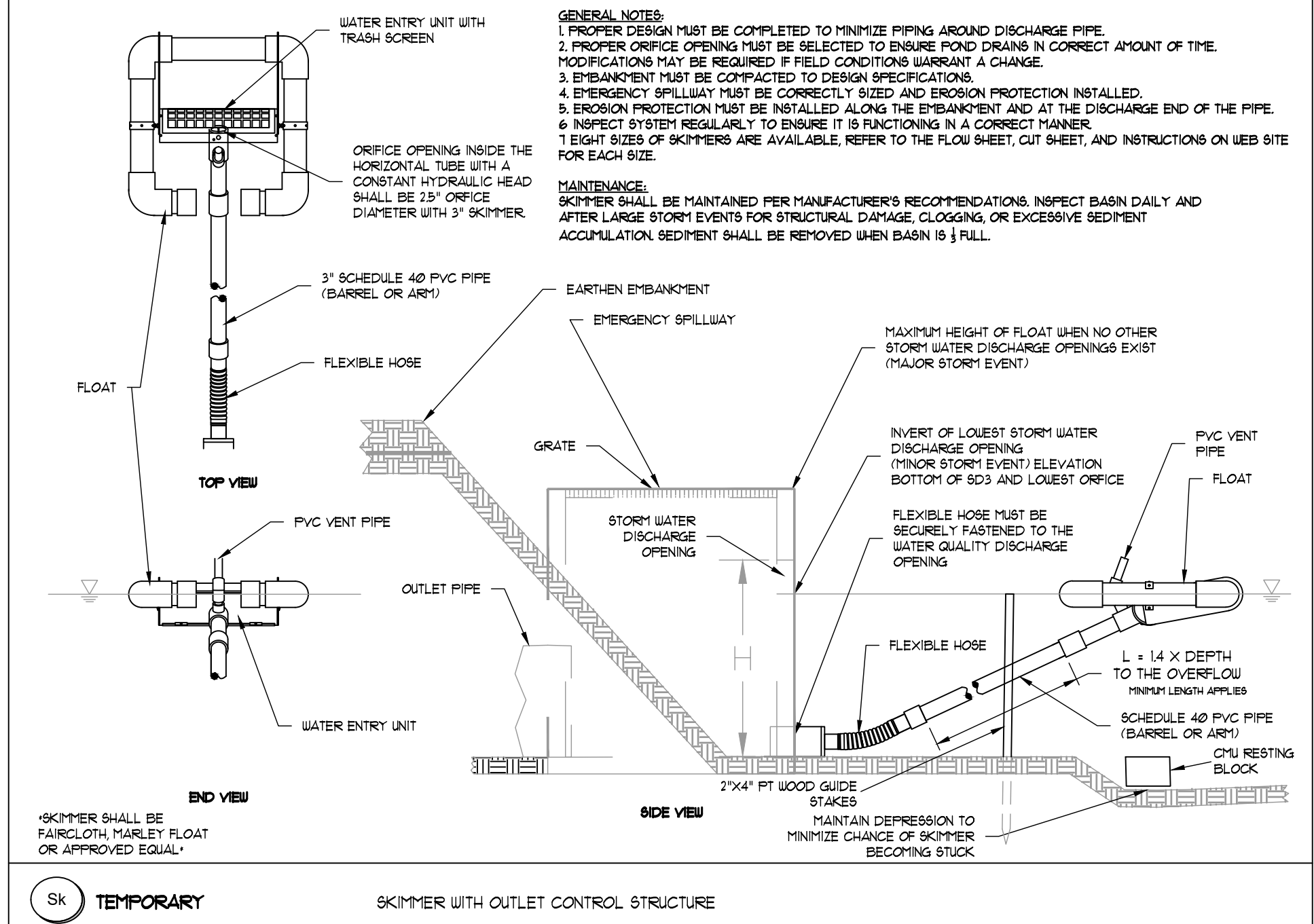
Days to Drain*: **2** Days

Skimmer Size: **6.0** Inch

Orifice Radius: **2.8** Inch[es]

Orifice Diameter: **5.6** Inch[es]

*In NC assume 3 days to drain



SKIMMER OUTLET WITH OUTLET CONTROL STRUCTURE

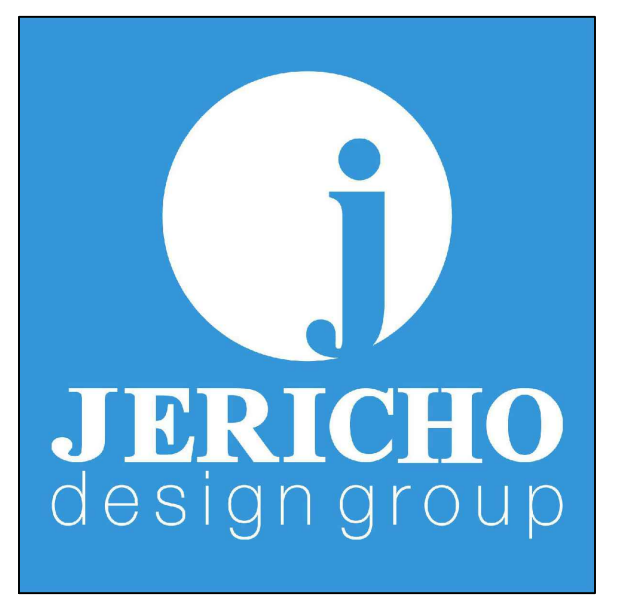
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24-HOUR EROSION CONTACT

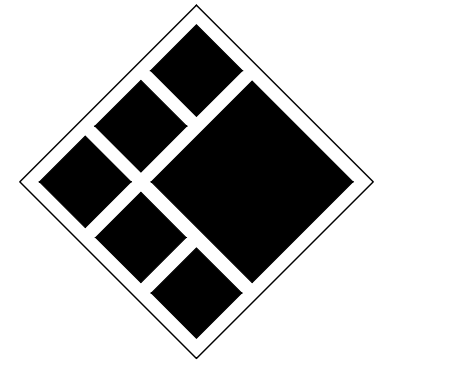
NAME: ANDREW HAMMER
COMPANY: ROCKDALE COUNTY BOC
EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV
PHONE NUMBER: 678-381-1081

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ROCKDALE COUNTY FIRE TRAINING CAMPUS

ROCKDALE COUNTY BOARD OF COMMISSIONERS

3111 SW HIGHWAY 212
CONYERS, GEORGIA 30012

PRINT RECORD

No.	DATE	DESCRIPTION
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2	09/07/2023	LDP RESUBMITTAL
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4	01/16/2024	LDP RESUBMITTAL

Drawn By: JRQ
Checked By: BAM
Date: 05/05/2023
Job No.: 22051

ES&PC DETAILS

Sheet No.

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Table 6-4.1 - Temporary Cover or Companion Cover Crops
PLANT, PLANTING RATE, AND PLANTING DATE FOR TEMPORARY COVER OR COMPANION CROPS¹

Table with 5 columns: Species, Broadcast Rates, Resource Area, Planting Dates by Resource Area, Remarks. Rows include BARLEY, LESPEDEZA ANNUAL, LOVEGRASS WEeping, MILLET BROWN TOP.

Table with 5 columns: Species, Broadcast Rates, Resource Area, Planting Dates by Resource Area, Remarks. Rows include MILLET PEARL, OATS, RYE, RYEGRASS ANNUAL, SUDANGRASS.

Table with 5 columns: Species, Broadcast Rates, Resource Area, Planting Dates by Resource Area, Remarks. Rows include TRITICALE, WHEAT.

¹ Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily
² Reduce seeding rates by 50% when drilled.
³ M-L represents the Mountain, Blue Ridge, and Ridges and Valleys MLRAs
P represents the Southern Piedmont MLRA
C represents Southern Coastal Plain; 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

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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 resistant cover, but can be stabilized with a mulch cover.

Site Preparation

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

Mulching Materials

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

- 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.
- 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.
- 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.

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

- 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.
- 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 "pucker 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. Tackifiers, binders and hydraulic mulch with tackifier specifically designed for tacking straw can be substituted for emulsified asphalt. Please refer to specification **Tackifiers**. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.

- 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.

6-28

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Table with 7 columns: Drainage Structure ID No., Plan Sheet Reference, Drainage Area, Req. Sediment Storage, Storage Provided, Surface Area, Top of storage elevation, Depth, Bottom of Trap. Row 1: C410, 0.21, 28.14, 35, 778, 835, 2.00, 833.

Structural BMP: Retrofitting (Rt) Structure No. A1, Drainage Area: 5.36 acres. Storage Calculations: 1. Required stormwater storage = 667.00 cy, 2. Required sediment storage = 67 cy/acre, 3. Total required storage = 1026.12 cy, 4. Available Storage = 3334.00 cy.

Structural BMP: Retrofitting (Rt) Structure No. C2, Drainage Area: 5.51 acres. Storage Calculations: 1. Required stormwater storage = 0.00 cy, 2. Required sediment storage = 67 cy/acre, 3. Total required storage = 369.17 cy, 4. Available Storage = 473.37 cy.

Table with 11 columns: Area, Erosion plan sheet reference, drainage area (acres), Length (ft), drainage area (acres), Sed. Storage Height at slope fence (ft), Assumed back slope gradient (ft/ft), Provided Volume (cu-ft), Required Volume (cu-yd), Provided Volume > Required Volume? Rows: NO. 1, NO. 2, NO. 3.

Table with 7 columns: Drainage Structure ID No., Plan Sheet Reference, Drainage Area, Req. Sediment Storage, Assumed Excavation Depth, Assumed Side Slope, Min. Surface Area, Excavation Shape, Excavation Width, Excavation Length, Storage Provided. Rows: Dn1A, Dn1B.

Table with 7 columns: Drainage Structure ID No., Plan Sheet Reference, Drainage Area, Req. Sediment Storage, Assumed Excavation Depth, Assumed Side Slope, Min. Surface Area, Excavation Shape, Excavation Width, Excavation Length, Storage Provided. Rows: B1b, B1b1, B1b2, B1c1, B1c2, B1d, B3, B4, B5.

Table with 10 columns: Structure, Diameter (in), Q25 (cfs), V25 (fps), Yc (in), Tailwater Condition, Figure, La (ft), W1 (ft), W2 (ft), d50 (ft), dMAX (ft), D (ft). Rows: Dn-1A, Dn-1B, A1, A3, B0, C1.

7-DAY LETTER CERTIFICATION

THE BELOW SIGNATURE VERIFIES THAT A 7-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS. SIGNED: [Signature] DATE: 05-18-2024

24-HOUR EROSION CONTACT

NAME: ANDREW HAMPER
COMPANY: ROCKDALE COUNTY BOC
EMAIL ADDRESS: ANDREW.HAMPER@ROCKDALECOUNTYGA.GOV
PHONE NUMBER: 678-381-1081

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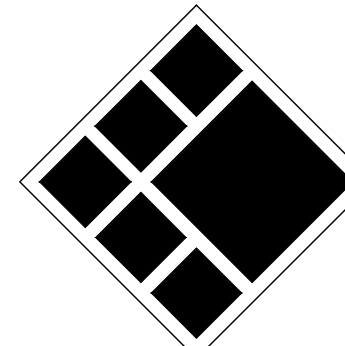
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55 GSWCC CHECKLIST ITEM NUMBER



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PRINT RECORD

Table with 3 columns: No., DATE, DESCRIPTION. Rows: 1 07/31/2023 LDP SUBMITTAL, 2 09/07/2023 LDP RESUBMITTAL, 3 10/12/2023 LDP SUBMITTAL, 4 01/16/2024 LDP RESUBMITTAL

Drawn By: JRQ Checked By: BAM

Date: 05/05/2023 Job No.: 22051

Sheet Title

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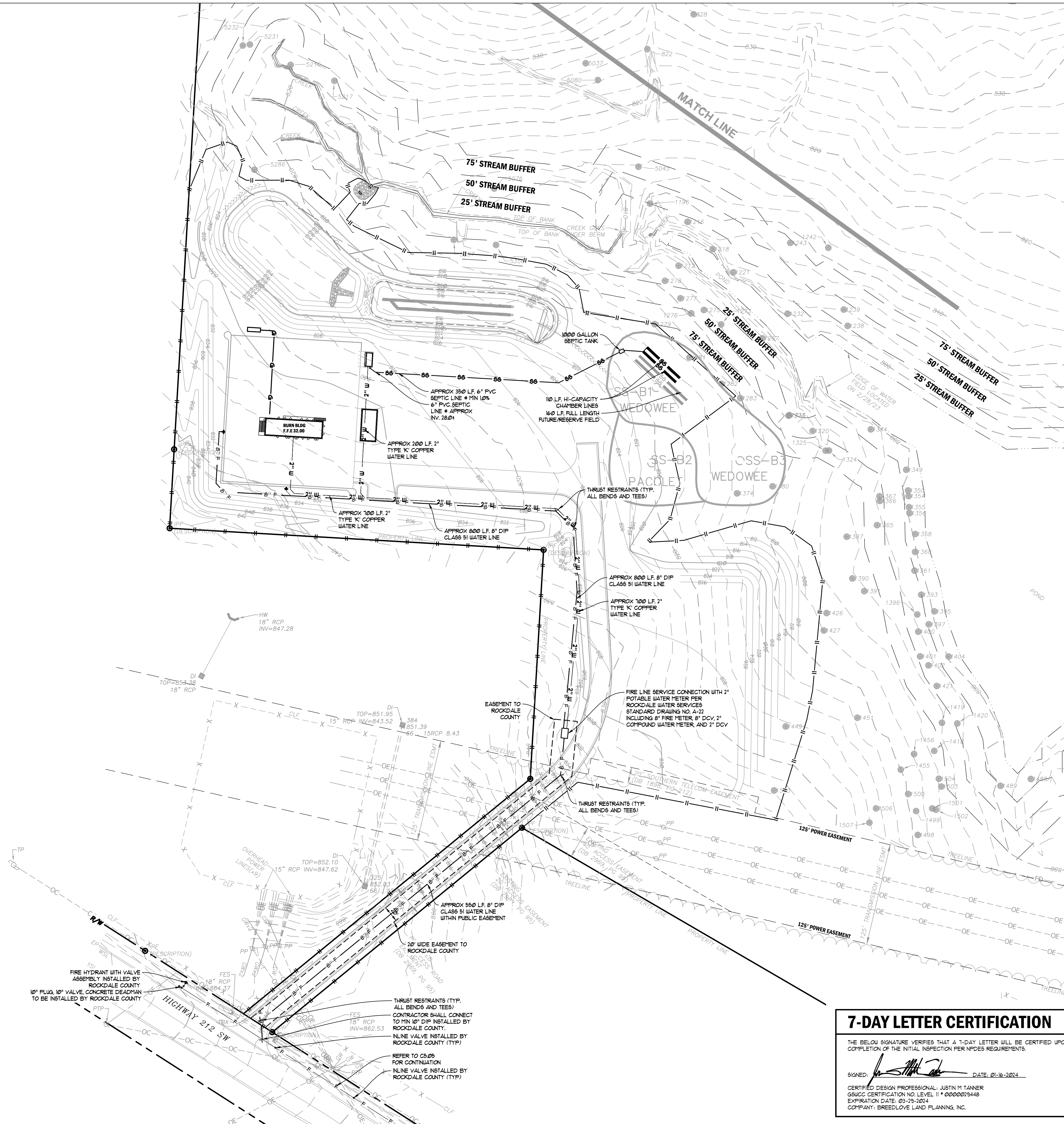
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SEPTIC CALCULATIONS

DESIGN FLOW & DISPOSAL FIELD SIZING:

- SYSTEM DESIGN BASED ON PROPOSED USE AS:
- RESTROOM BUILDING
- DESIGN FLOW RATIONALE: 35 PERSONS AT 1 TIME AT FACILITY 35 PERSONS X 10 GPD = 350 GPD

DRAIN FIELD (PRIMARY & REPLACEMENT) CALCULATIONS:

- SOIL TYPE: WEDGEE/PACOLEY (LEVEL 3 SOIL SURVEY BY MATRIX ENGINEERING)
- DESIGN PERCOLATION RATE: 45 INP INSTALL DEPTH: 30"
- DPH LOADING RATE: 5/SORT (35) @ 0.145 GPD/DF
- DRAIN FIELD AREA: DESIGN FLOW / LOADING RATE = 350 GPD / 0.145 GPD/DF = 2415 SF
- DRAIN LINE REQUIRED: 410 SF / 3FT TRENCH = 137 LINEAR FEET (MIN)
- PRIMARY DRAIN FIELD: (PRODUCT: HI-CAPACITY CHAMBER PRODUCT, 35% REDUCTION) 81 FT X 66" = 193 LINEAR FEET (MINIMUM) (10 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:

PRODUCT:

- GRAVITY FLOW • MIN 1.0% TO LEVEL FIELD DRAIN
- PRODUCT: HI-CAPACITY CHAMBER PRODUCT
- TOTAL DRAIN FIELD SHOWN: 10 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 • 59FT 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 BURR ENGINEERS 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 STATE OF GEORGIA.
- THE CONTRACTOR SHALL COMPLY WITH ALL UTILITIES PROTECTION CENTER REQUIREMENTS.

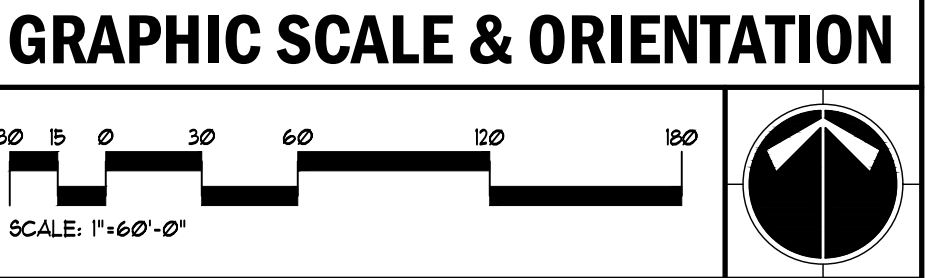
GENERAL NOTES

PROPOSED BUILDING USE: BURN BUILDING

- CONTRACTOR SHALL VERIFY CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES FOUND SHALL BE REPORTED TO THE OWNER FOR CLARIFICATION AND/OR CORRECTION BEFORE PROCEEDING WITH THE WORK. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR DISCREPANCIES WHICH ARE NOT REPORTED.
- CONTRACTOR SHALL STAKE ALL BLEACHER AND FOUNDATION CORNERS AND OBTAIN OWNER'S APPROVAL BEFORE POURING ANY FOOTINGS.
- CONTRACTOR SHALL HAVE PRIVATE UTILITY LOCATE PERFORMED THROUGHOUT PROJECT AREA PRIOR TO BEGINNING ANY CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REQUIRED PERMITS AND ANY REQUIREMENTS NECESSARY TO OBTAIN CERTIFICATE OF OCCUPANCY.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURE ADA ACCESSIBILITY.

24-HOUR EMERGENCY CONTACT

NAME: ANDREW HAMMER
 COMPANY: ROCKDALE COUNTY BOC
 EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV
 PHONE NUMBER: 678-381-1061



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

GEORGIA811

www.Georgia811.com

GEORGIA LAW MANDATES THAT BEFORE BEGINNING ANY MECHANIZED DIGGINGS OR EXCAVATION WORK YOU MUST CONTACT GEORGIA 811 BY USING EREQUEST ON WWW.GEORGIA811.COM OR BY CALLING 811 OR 1-800-282-1411 AT LEAST 48 HOURS BUT NO MORE THAN 10 WORKING DAYS IN ADVANCE TO HAVE UTILITY LINES MARKED.

7-DAY LETTER CERTIFICATION

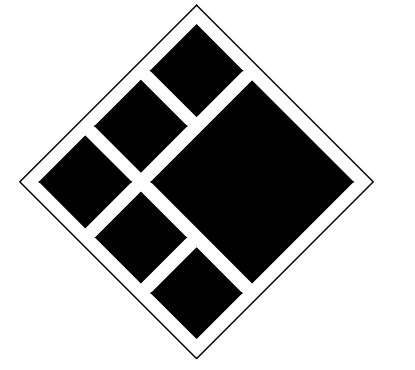
THE BELOW SIGNATURE VERIFIES THAT A 7-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

SIGNED: DATE: 01-16-2024

CERTIFIED DESIGN PROFESSIONAL, JUSTIN M TANNER
 GSUCO CERTIFICATION NO. LEVEL II * 0000029448
 EXPIRATION DATE: 03-29-2024
 COMPANY: BREEDLOVE LAND PLANNING, INC.

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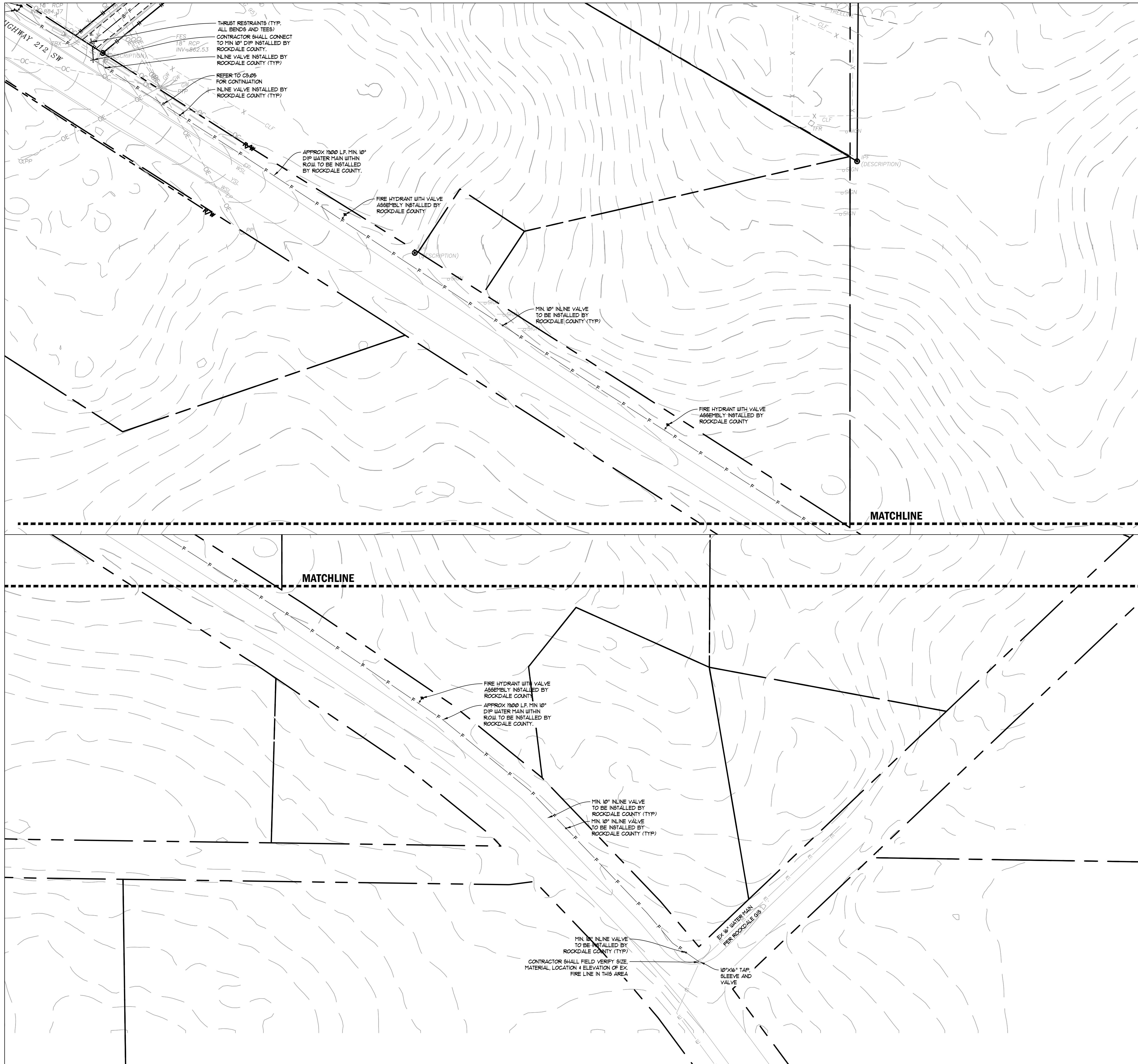
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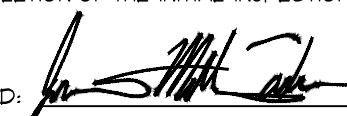
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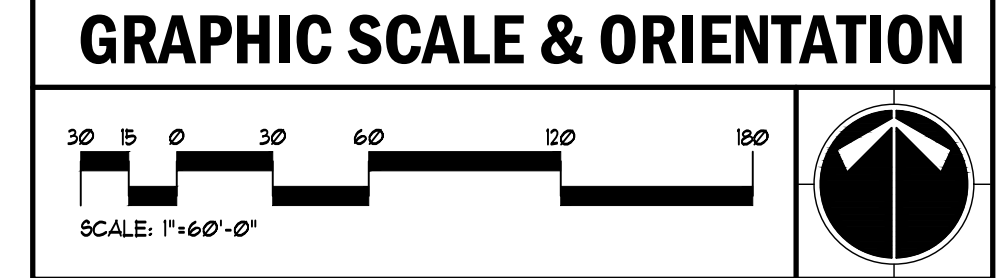
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 GSUCC CERTIFICATION NO. LEVEL II * 00000093448
 EXPIRATION DATE: 03-29-2024
 COMPANY: BREEDLOVE LAND PLANNING, INC.

- 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 RWR ENGINEERING DEPARTMENT AT LEAST 72 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 STATE OF GEORGIA.
 - THE CONTRACTOR SHALL COMPLY WITH ALL UTILITIES PROTECTION CENTER REQUIREMENTS.

- GENERAL NOTES**
- PROPOSED BUILDING USE: BURN BUILDING
- CONTRACTOR SHALL VERIFY CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES FOUND SHALL BE REPORTED TO THE OWNER FOR CLARIFICATION AND/OR CORRECTION BEFORE PROCEEDING WITH THE WORK. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR DISCREPANCIES WHICH ARE NOT REPORTED.
 - CONTRACTOR SHALL STAKE ALL BLEACHER AND FOUNDATION CORNERS AND OBTAIN OWNER'S APPROVAL BEFORE POURING ANY FOOTINGS.
 - CONTRACTOR SHALL HAVE PRIVATE UTILITY LOCATE PERFORMED THROUGHOUT PROJECT AREA PRIOR TO BEGINNING ANY CONSTRUCTION.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REQUIRED PERMITS AND ANY REQUIREMENTS NECESSARY TO OBTAIN CERTIFICATE OF OCCUPANCY.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURE ADA ACCESSIBILITY.

24-HOUR EROSION CONTACT

NAME: ANDREW HAMMER
 COMPANY: ROCKDALE COUNTY BOC
 EMAIL ADDRESS: ANDREUHAMMER@ROCKDALECOUNTYGA.GOV
 PHONE NUMBER: 678-381-1081



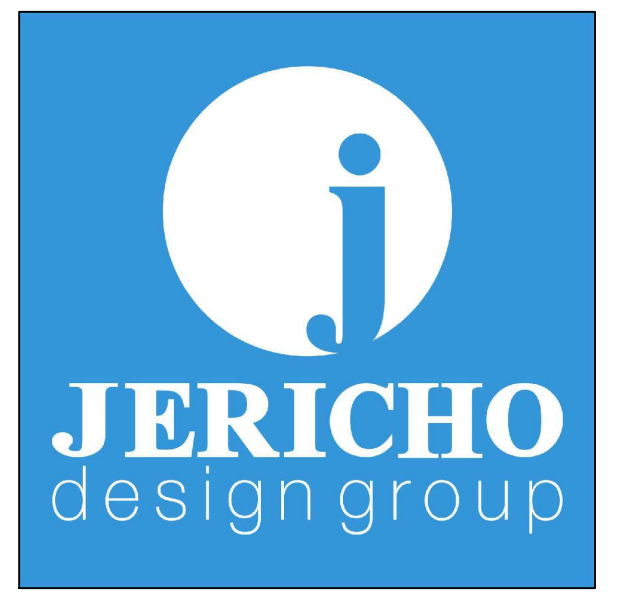
- UTILITY LOCATION NOTES**
- CONTRACTOR SHALL BE RESPONSIBLE TO SECURE THE SERVICES OF A PRIVATE UTILITY LOCATOR FIRM DURING THE ENTIRE COURSE OF CONSTRUCTION. CONTRACTOR SHALL PAY FOR SAID SERVICES.
 - CONTRACTOR SHALL IMMEDIATELY REPAIR ALL UTILITIES DAMAGED BY CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL 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

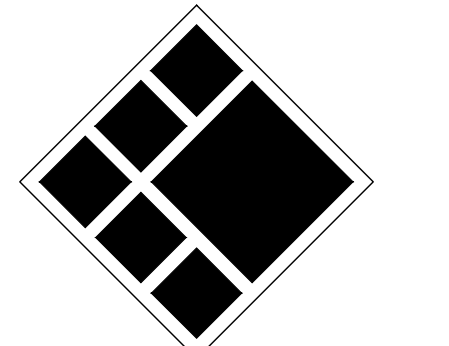
GEORGIA811
www.Georgia811.com

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No.	DATE	DESCRIPTION
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4	01/16/2024	LDP RESUBMITTAL

Drawn By: JRQ Checked By: BAM
 Date: 05/05/2023 Job No.: 22051
 Sheet Title:

WATER LINE PLAN

Sheet No. **C-5.05**
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5/5/2023 1:47:32 PM

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TREE CALCULATIONS

OVERALL DENSITY FACTOR (ODF) *	19,000 UNITS
UNITS PER ACRE REQUIRED *	19,000 UNITS
TOTAL PROJECT AREA *	61.43 ACRES
61.43 X 19,000 *	1,167,170 UNITS
EXISTING DENSITY FACTOR (EDF) *	107,030 UNITS
(ONLY TREES 24" AND LARGER WERE SURVEYED.)	
TOTAL UNITS REMOVED *	190,300 UNITS
(ONLY TREES 24" AND LARGER WERE SURVEYED.)	
TOTAL TREE SAVE AREA *	593.0 ACRES
TOTAL UNITS REMAINING *	890,000 UNITS
(ONLY TREES 24" AND LARGER WERE SURVEYED.)	

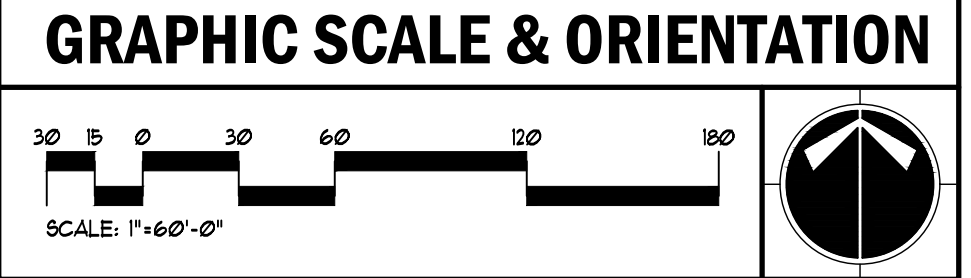
Calculations are based only on trees 24" and larger. 890,000 units remain on site. Site visits give reason to believe more than 11.45 units are to be preserved on site. 593.0 acres of forest are to remain undisturbed.

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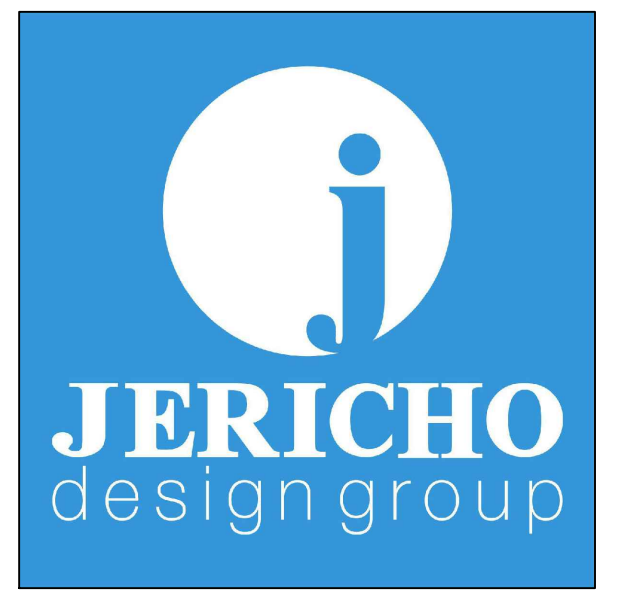
7-DAY LETTER CERTIFICATION

THE BELOW SIGNATURE VERIFIES THAT A 7-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

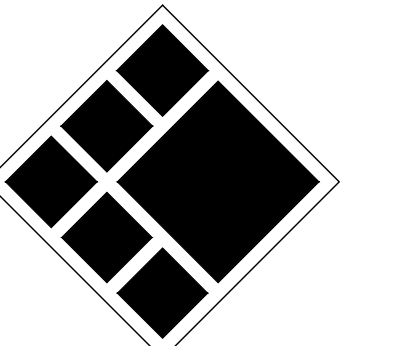
SIGNED: *[Signature]* DATE: 01-18-2024

CERTIFIED DESIGN PROFESSIONAL, JUSTIN M TANNER
 GEUCO CERTIFICATION NO. LEVEL II * 0000029448
 EXPIRATION DATE: 03-29-2024
 COMPANY: BREEDLOVE LAND PLANNING, INC.

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Drawn By: JRQ Checked By: BAM
 Date: 05/05/2023 Job No.: 22051
 Sheet Title:

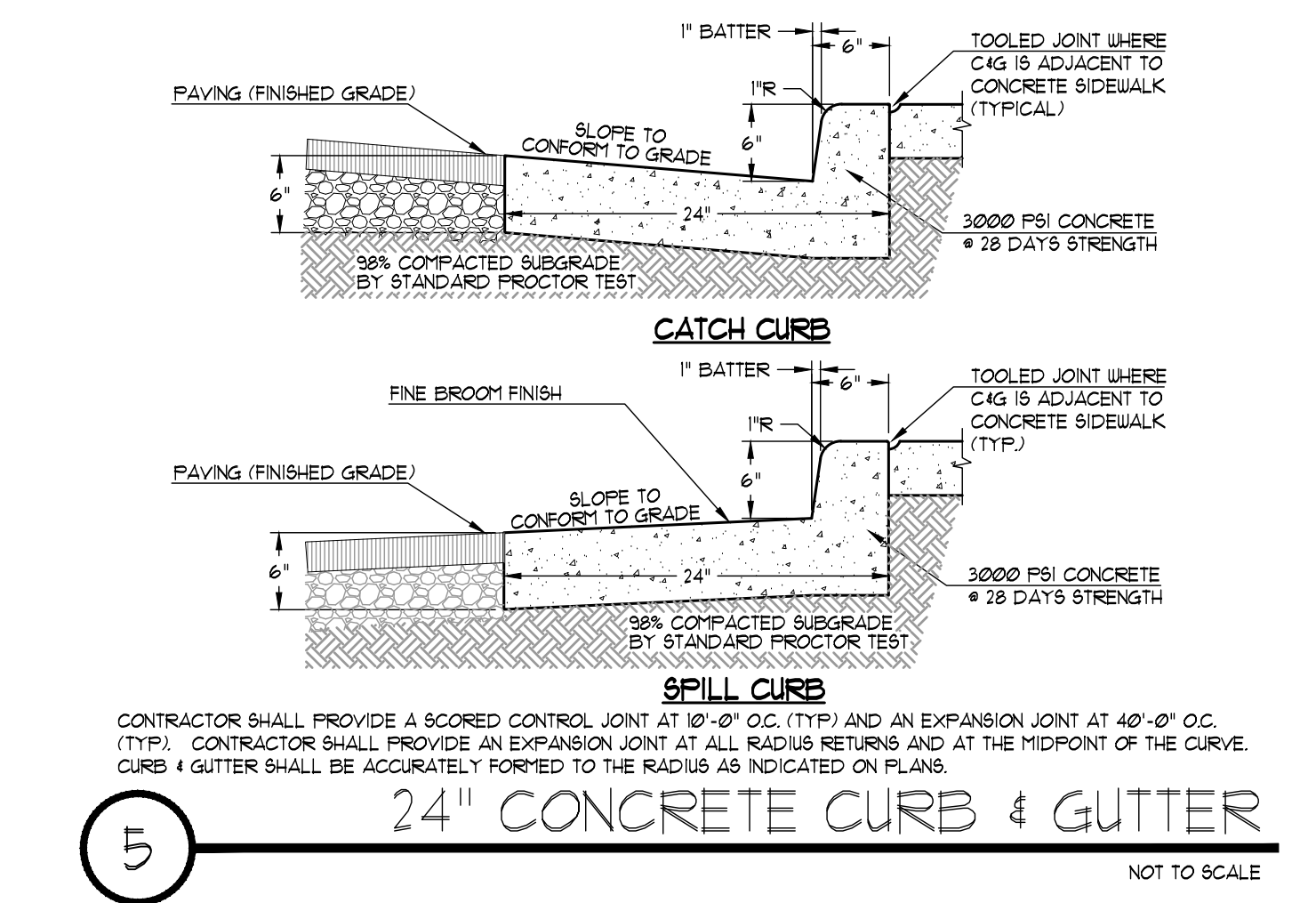
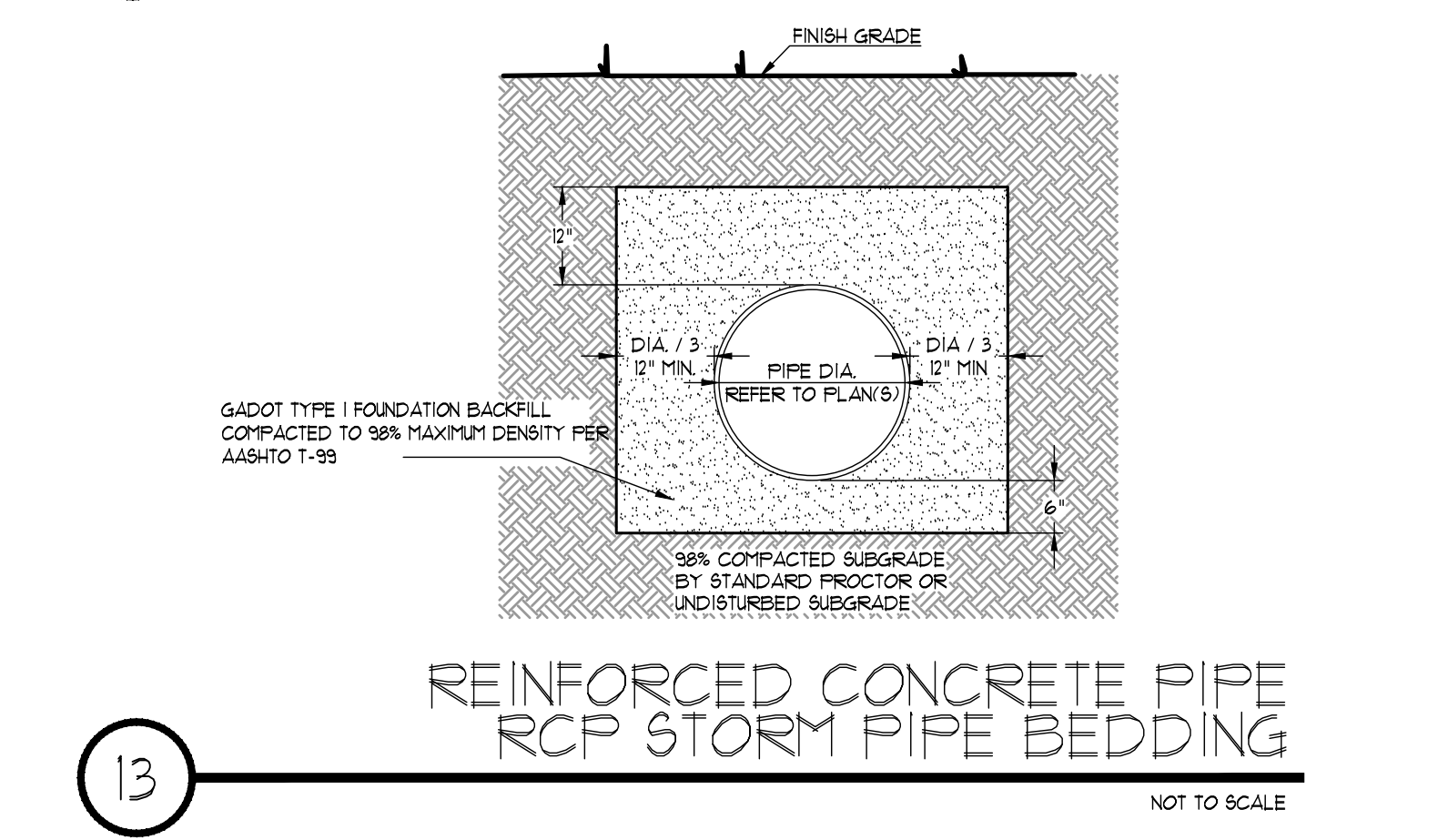
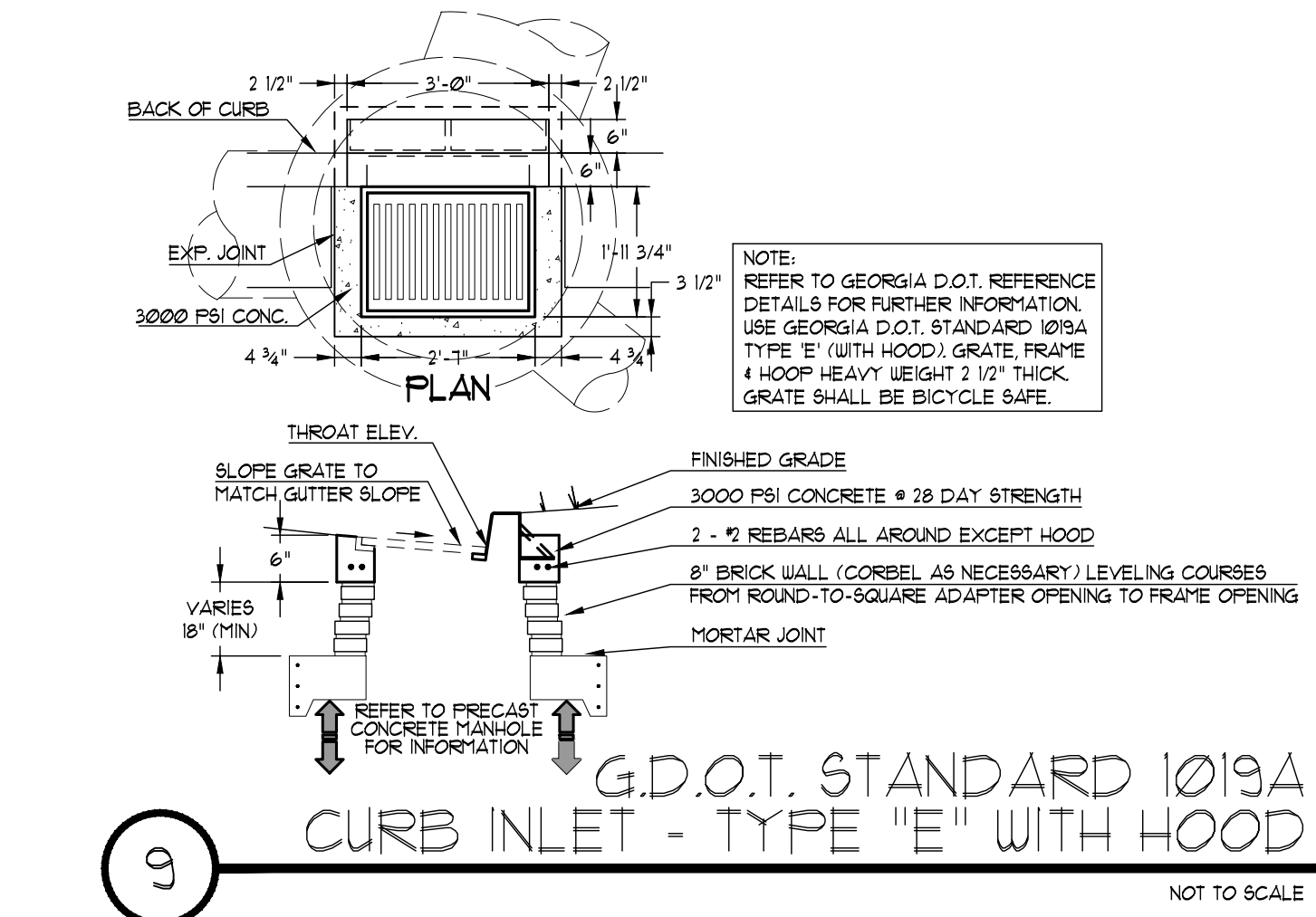
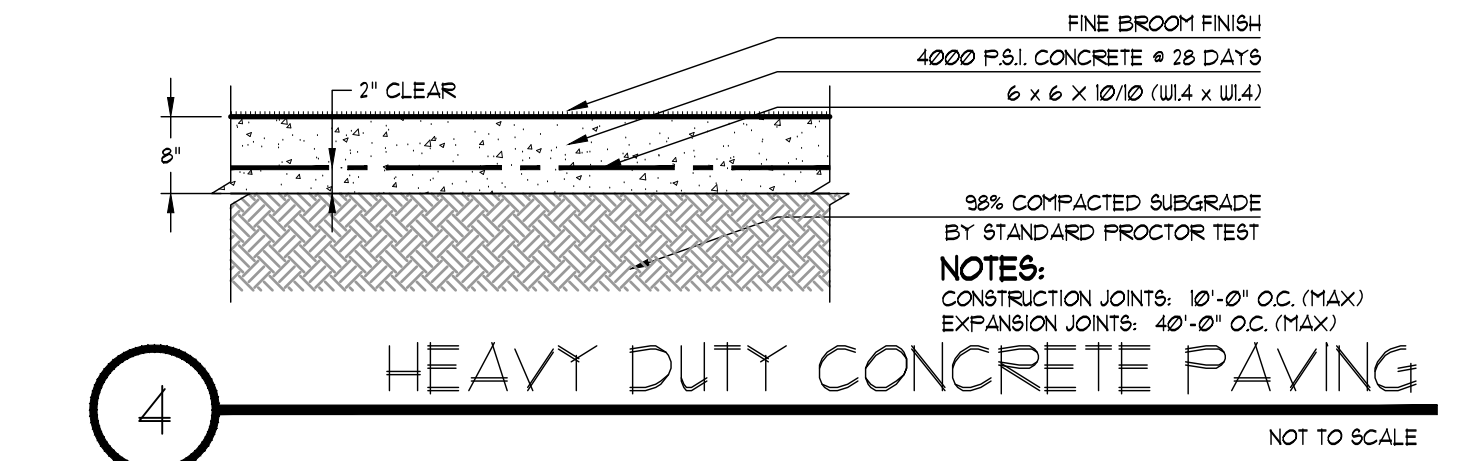
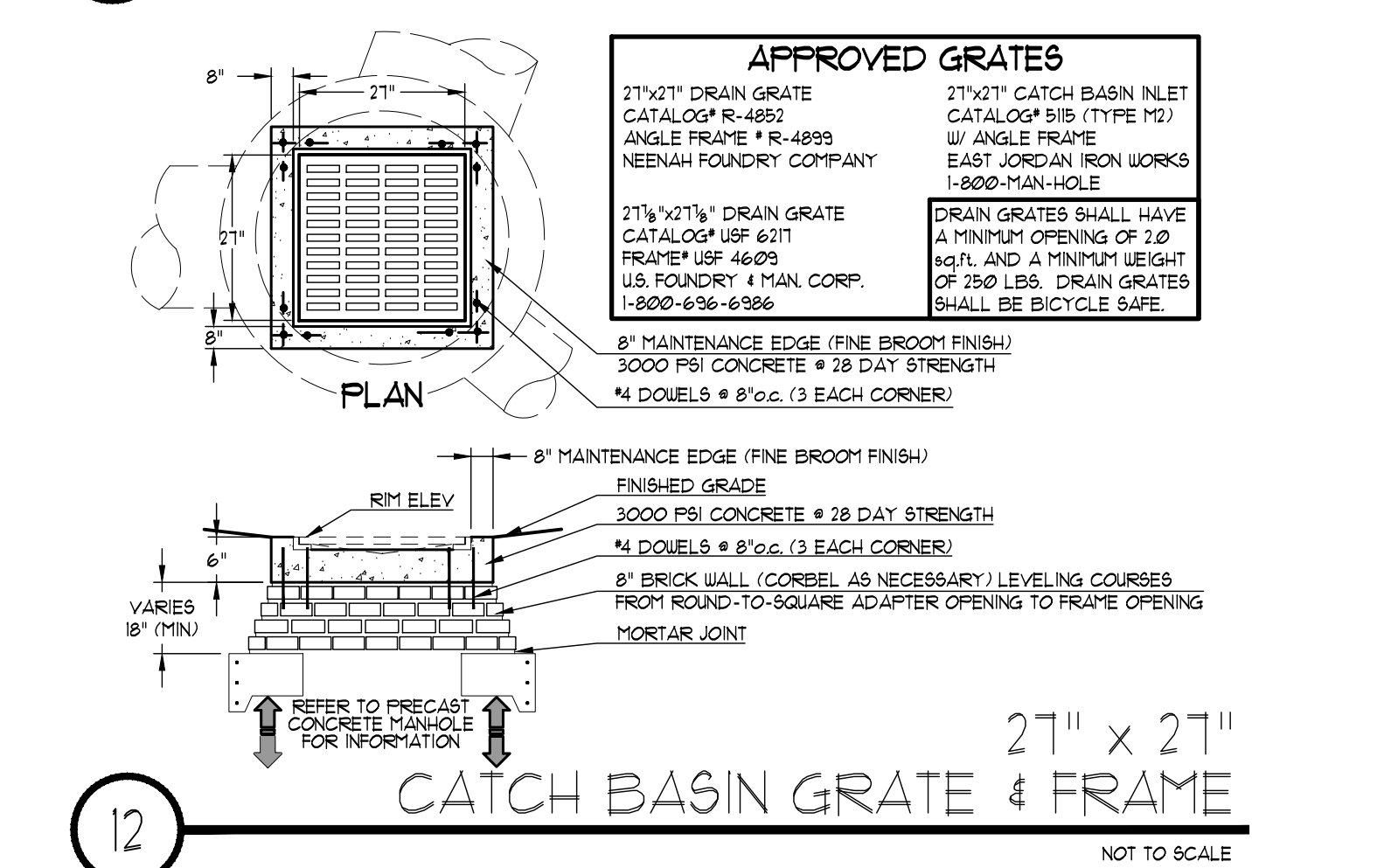
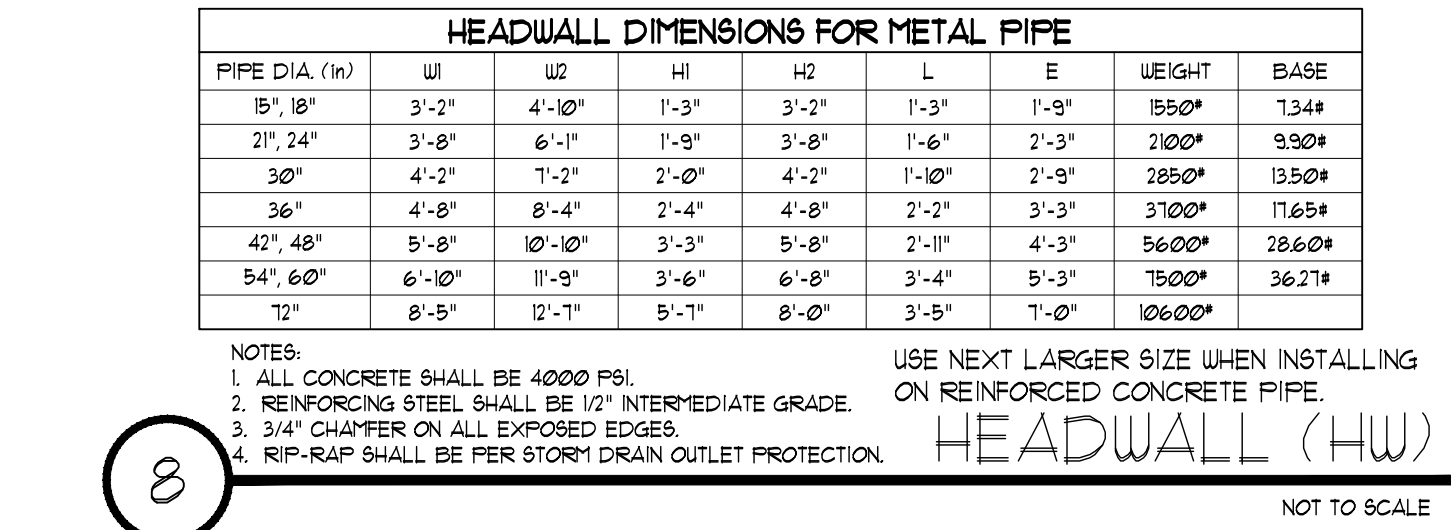
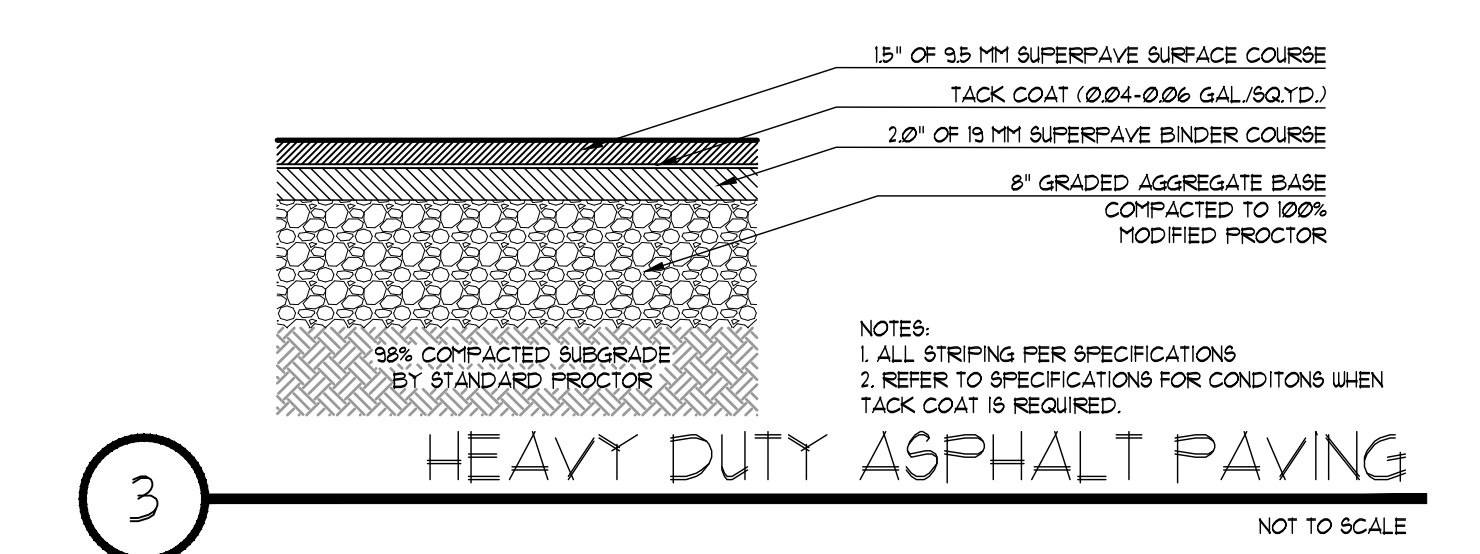
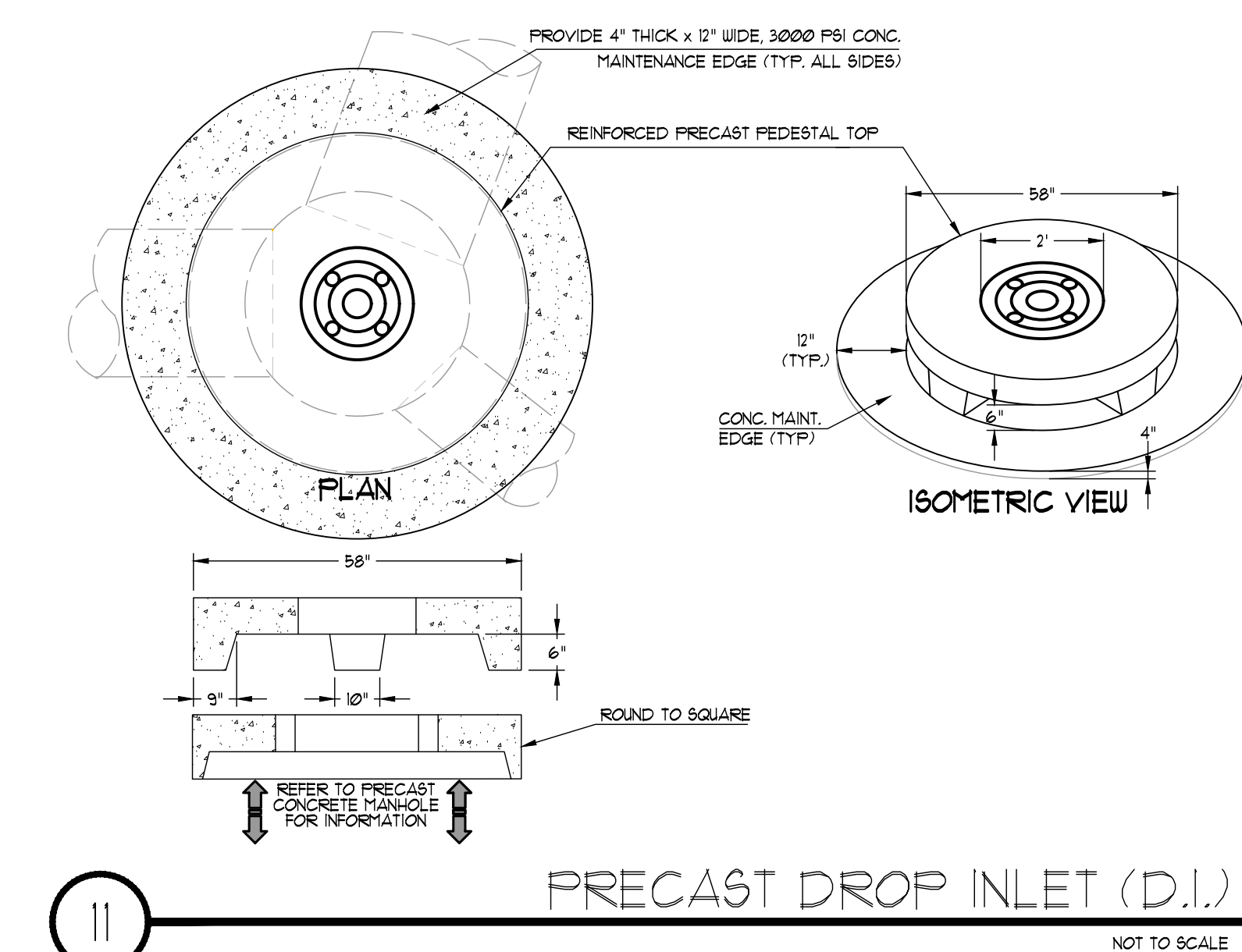
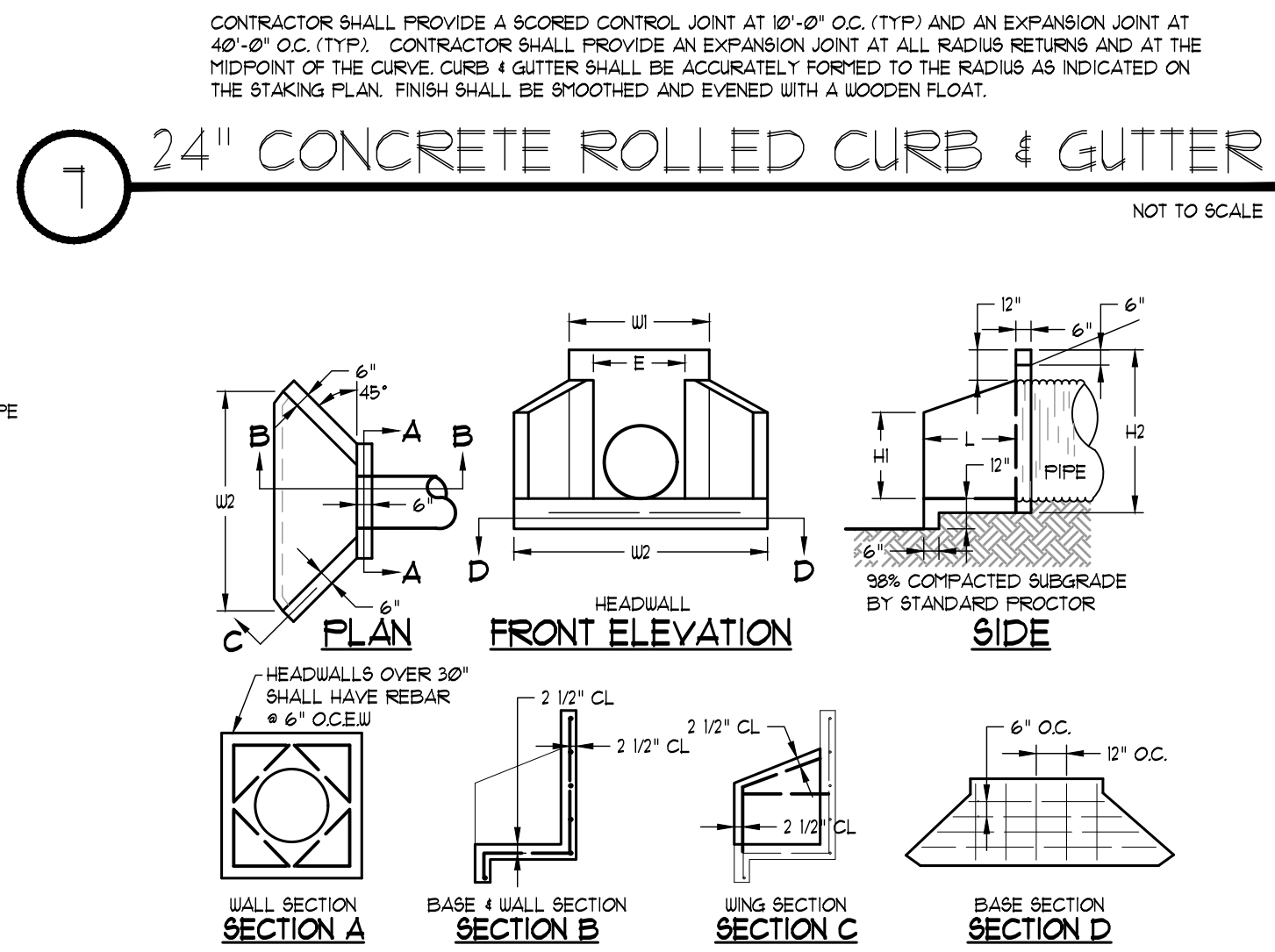
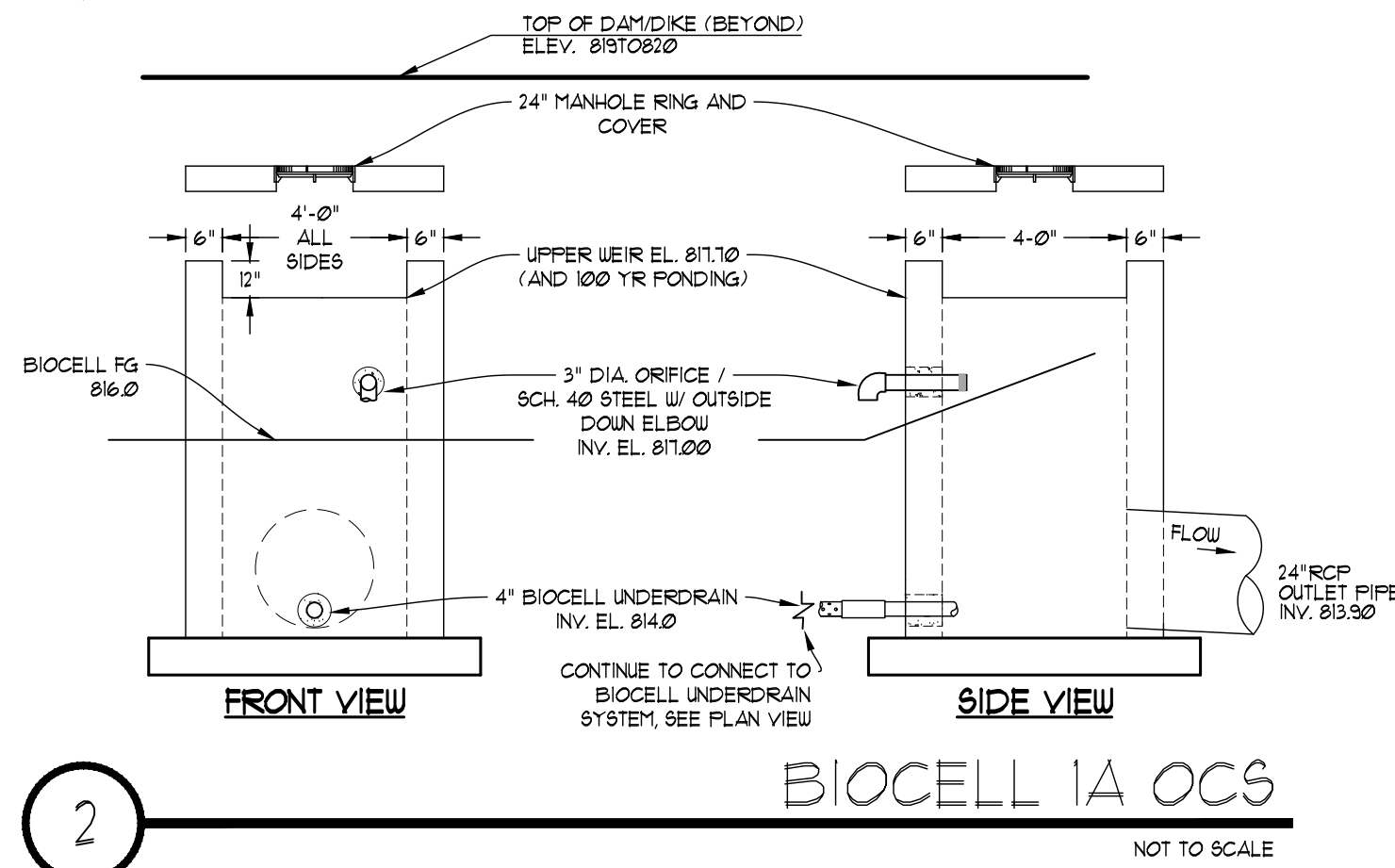
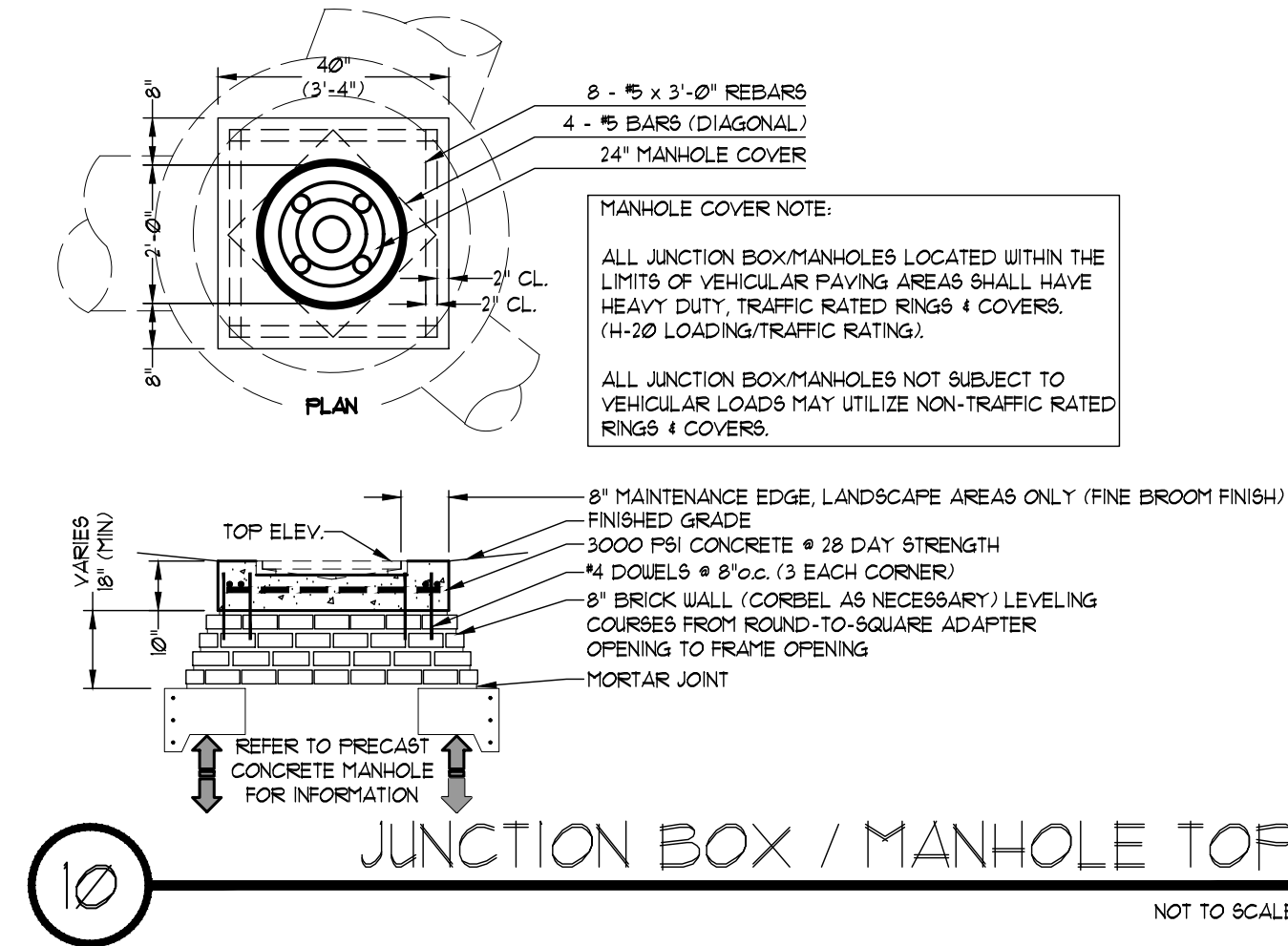
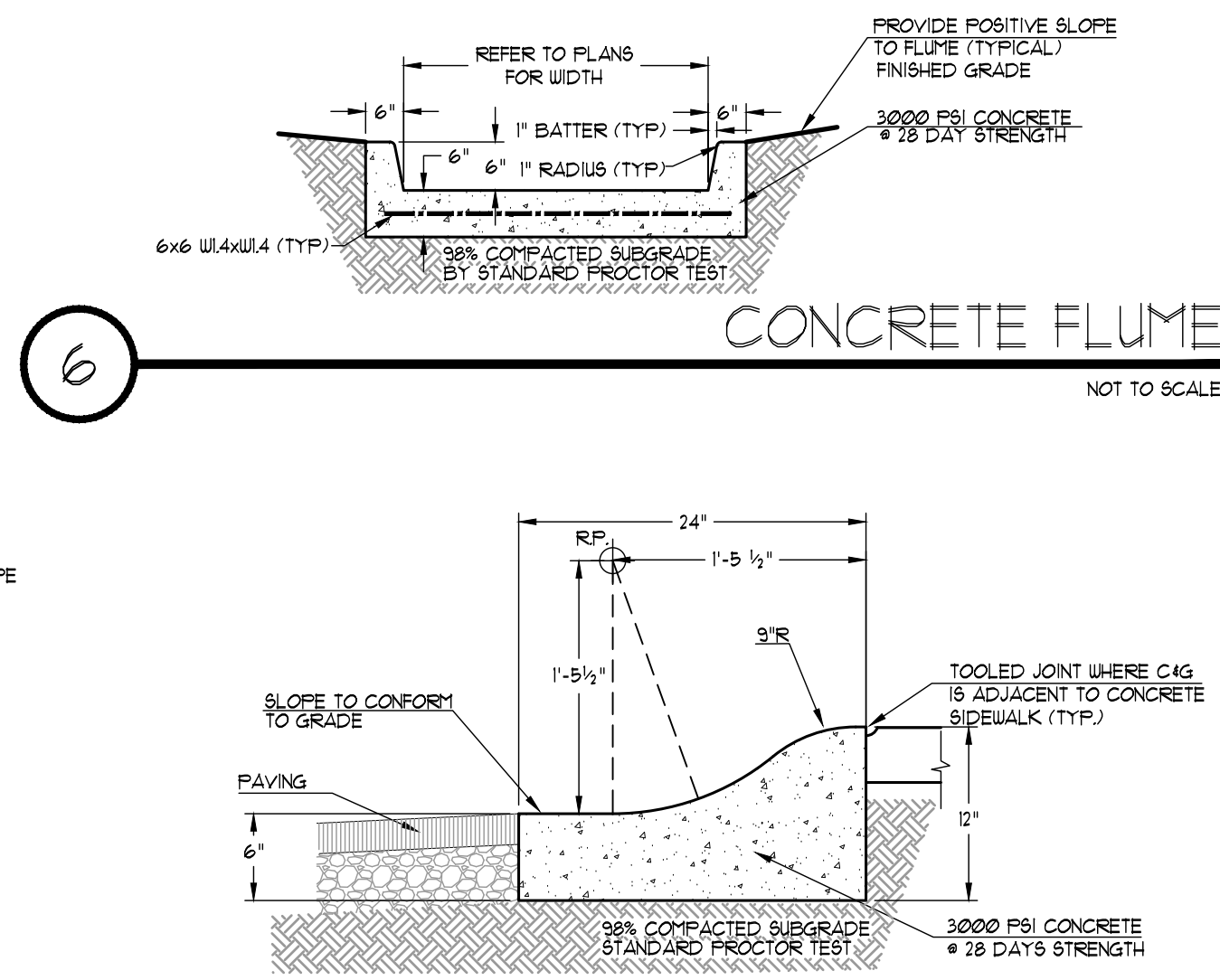
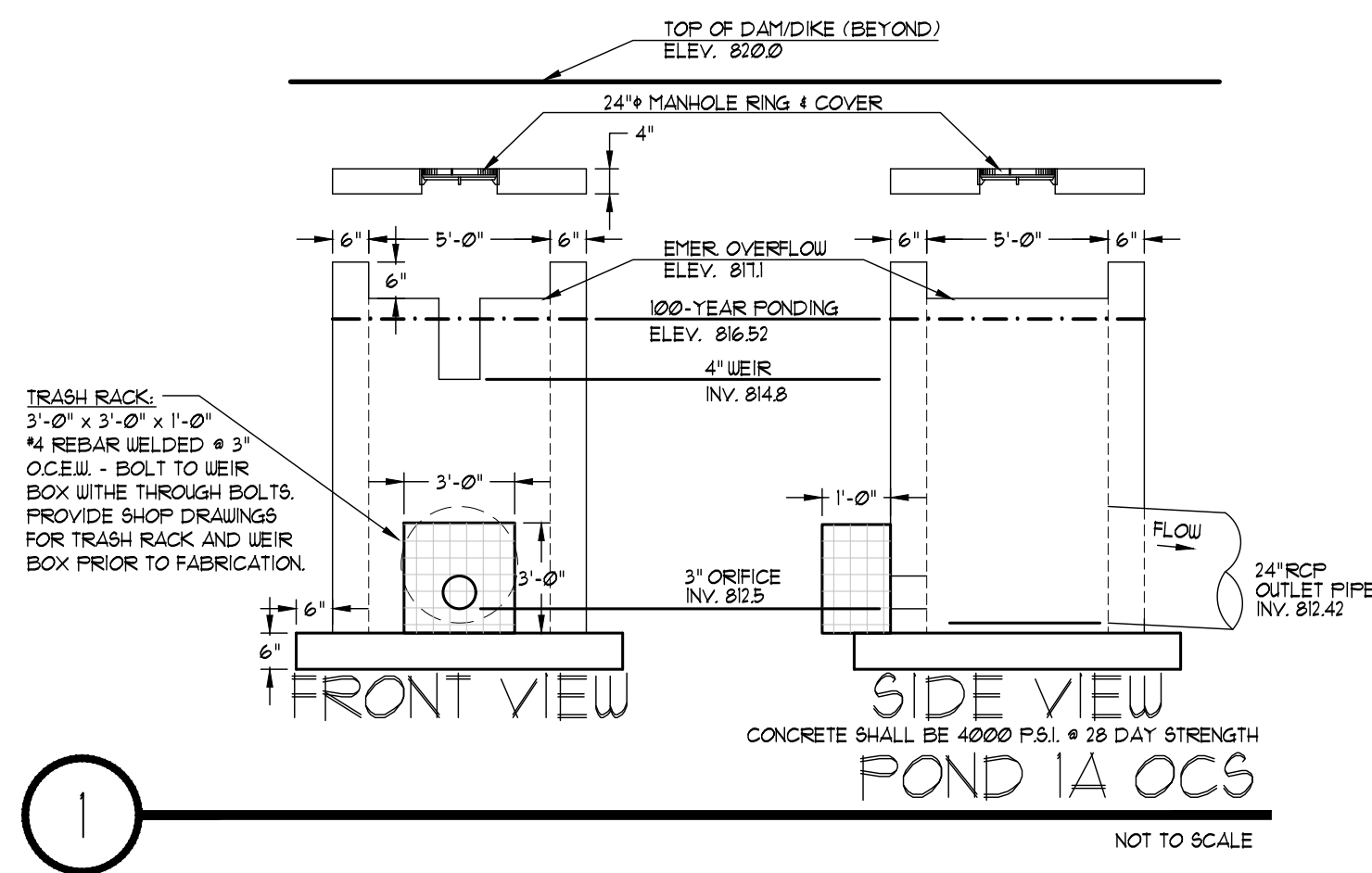
TREE PROTECTION PLAN

Sheet No.

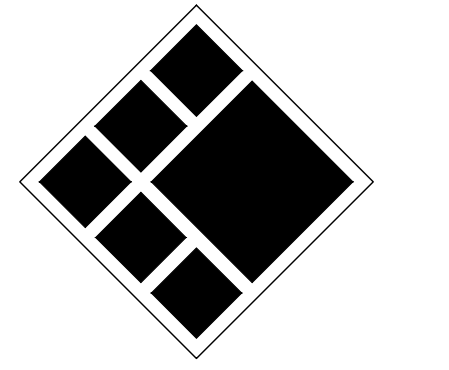
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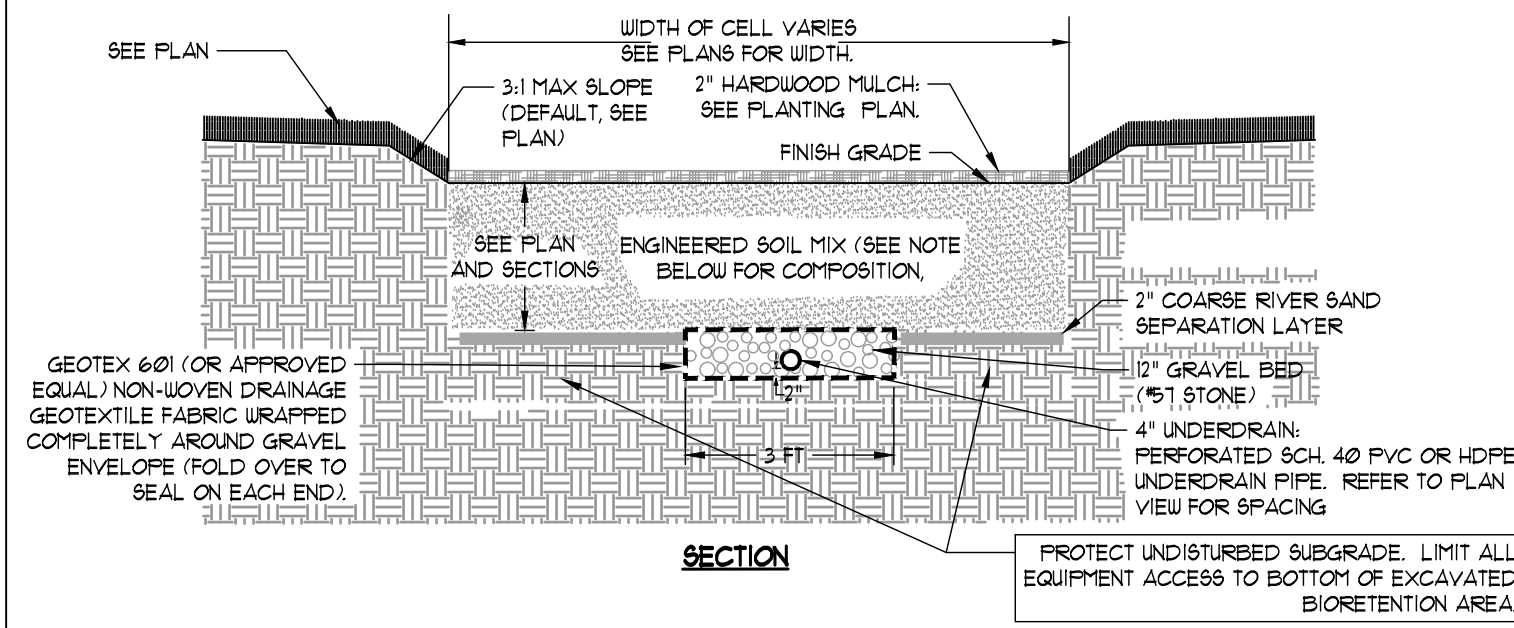
Drawn By: JRQ
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Date: 05/05/2023
Job No.: 22051

Sheet Title: **SITE WORK CONSTRUCTION DETAILS**

Sheet No.: **C-7.00**

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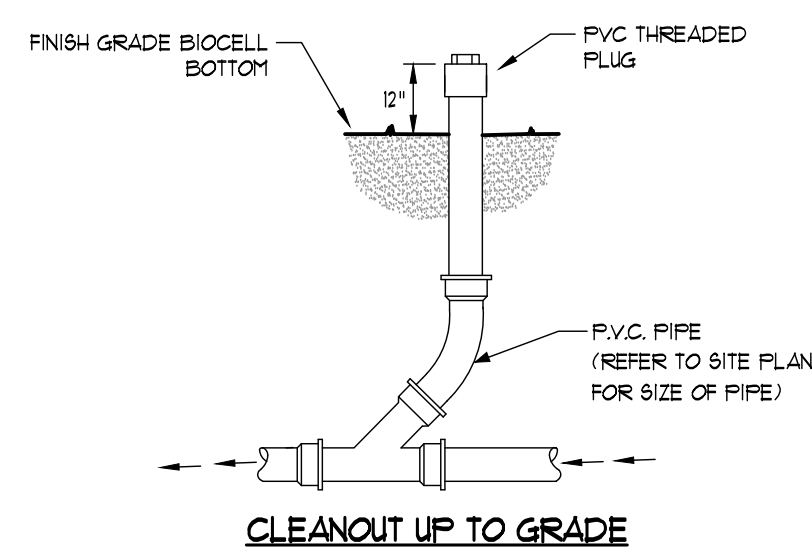
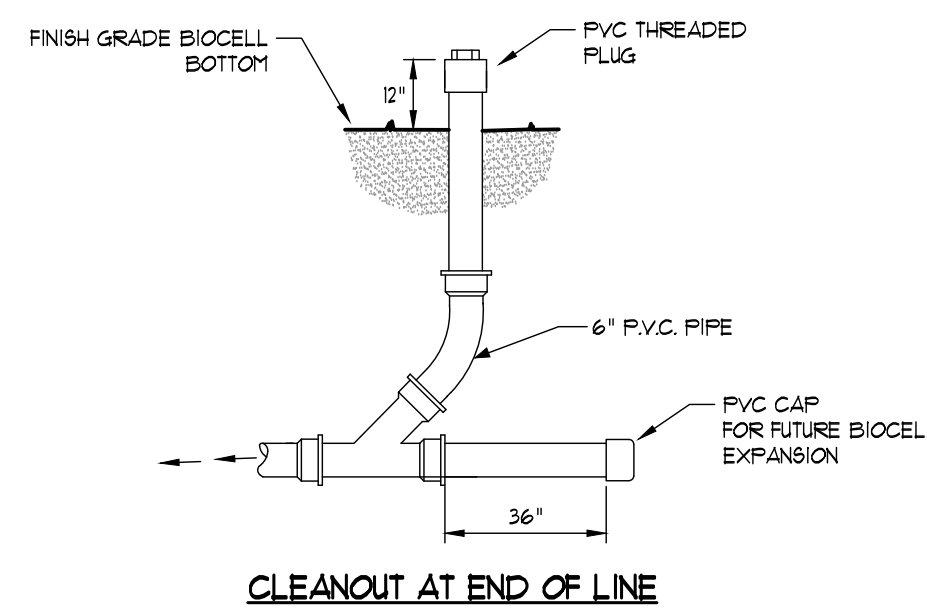
- BIOCELL SOIL MEDIA
- 80% COARSE WASHED SAND (0.075" TO 0.04" DIA. PER AASHTO M-6 OR ASTM C-33 CONC. SAND)/20% ORGANIC COMPOST
- 15% ORGANIC COMPOST
- 5% ONSITE TOPSOIL

DO NOT INSTALL MEDIA UNTIL UPSTREAM AREAS ARE STABILIZED.

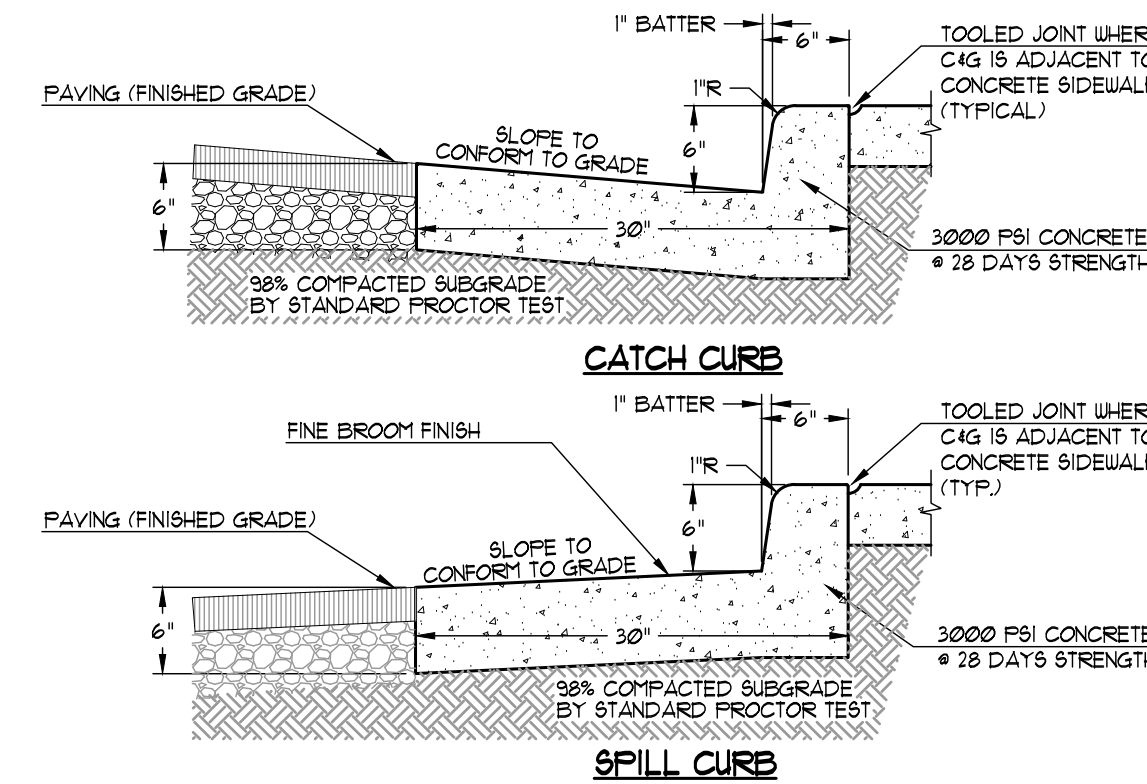
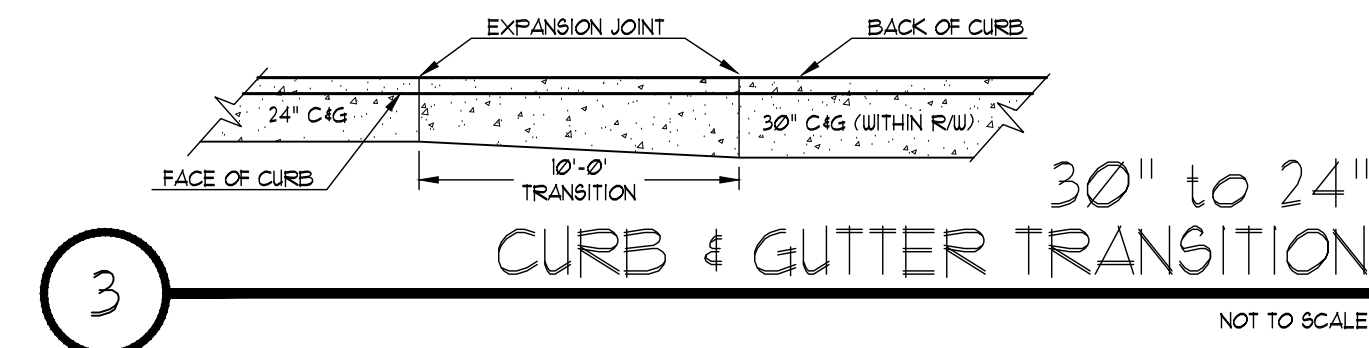
MEDIA COMPONENTS SHALL BE BLENDED THOROUGHLY AND INSTALLED IN 6" LIFTS WITH A BLOWER OR CONVEYOR BELT TYPE APPLICATION TO MINIMIZE COMPACTION AND ENSURE EVEN DISTRIBUTION. EACH LIFT SHALL BE THOROUGHLY SETTLED.

MEDIATELY AFTER INSTALLATION OF MEDIA, PROVIDE TEMPORARY (ANNUAL RYE GRASS) OR PERMANENT GRASSING DEPENDENT ON SEASON.

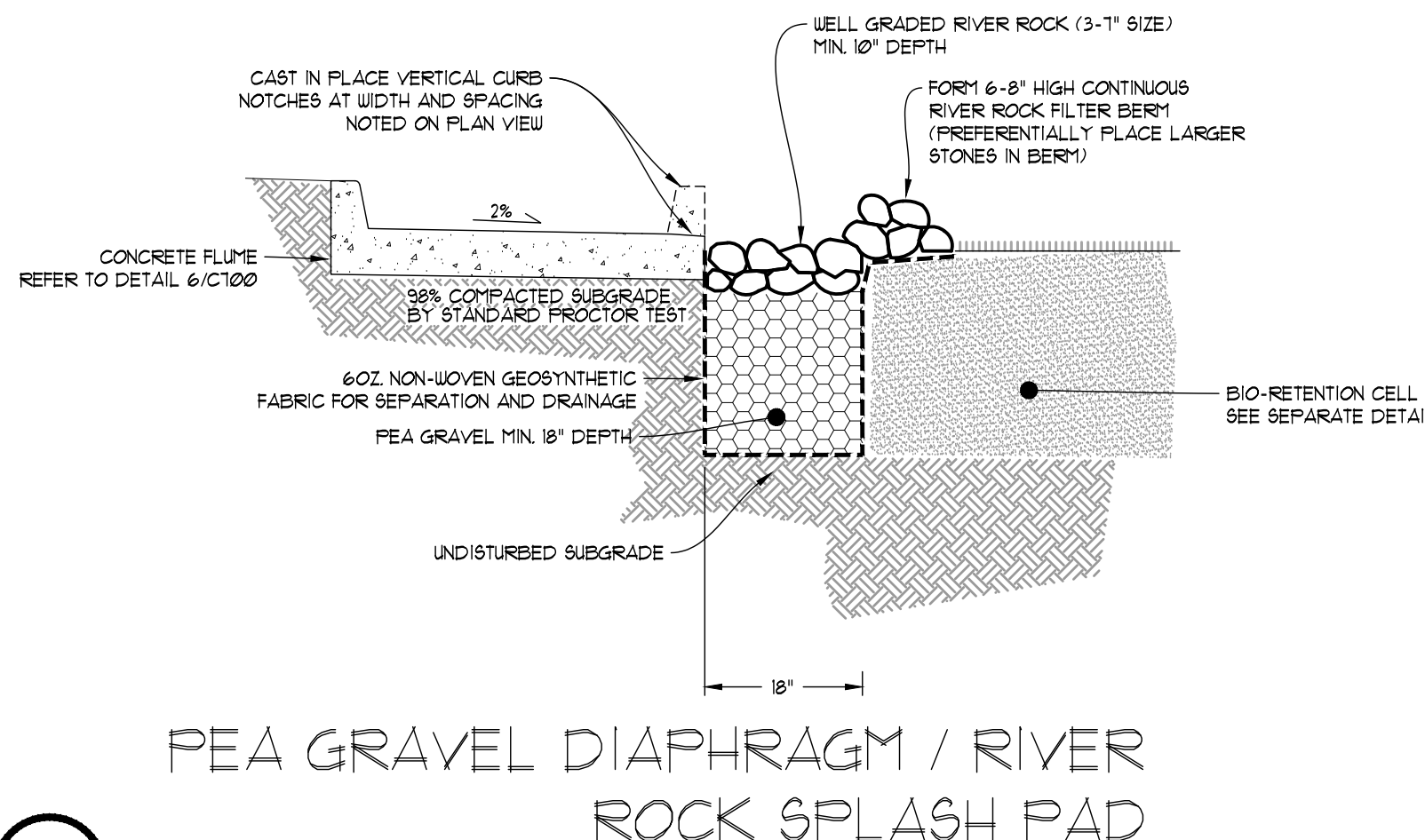
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NOT TO SCALE



2 **CLEANOUT- BIOCELL BOTTOM**
NOT TO SCALE



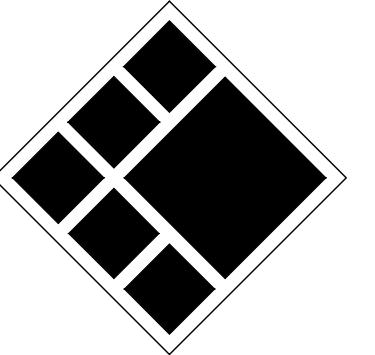
4 **30" CONCRETE CURB & GUTTER**
NOT TO SCALE



5 **PEA GRAVEL DIAPHRAGM / RIVER ROCK SPLASH PAD**
NOT TO SCALE



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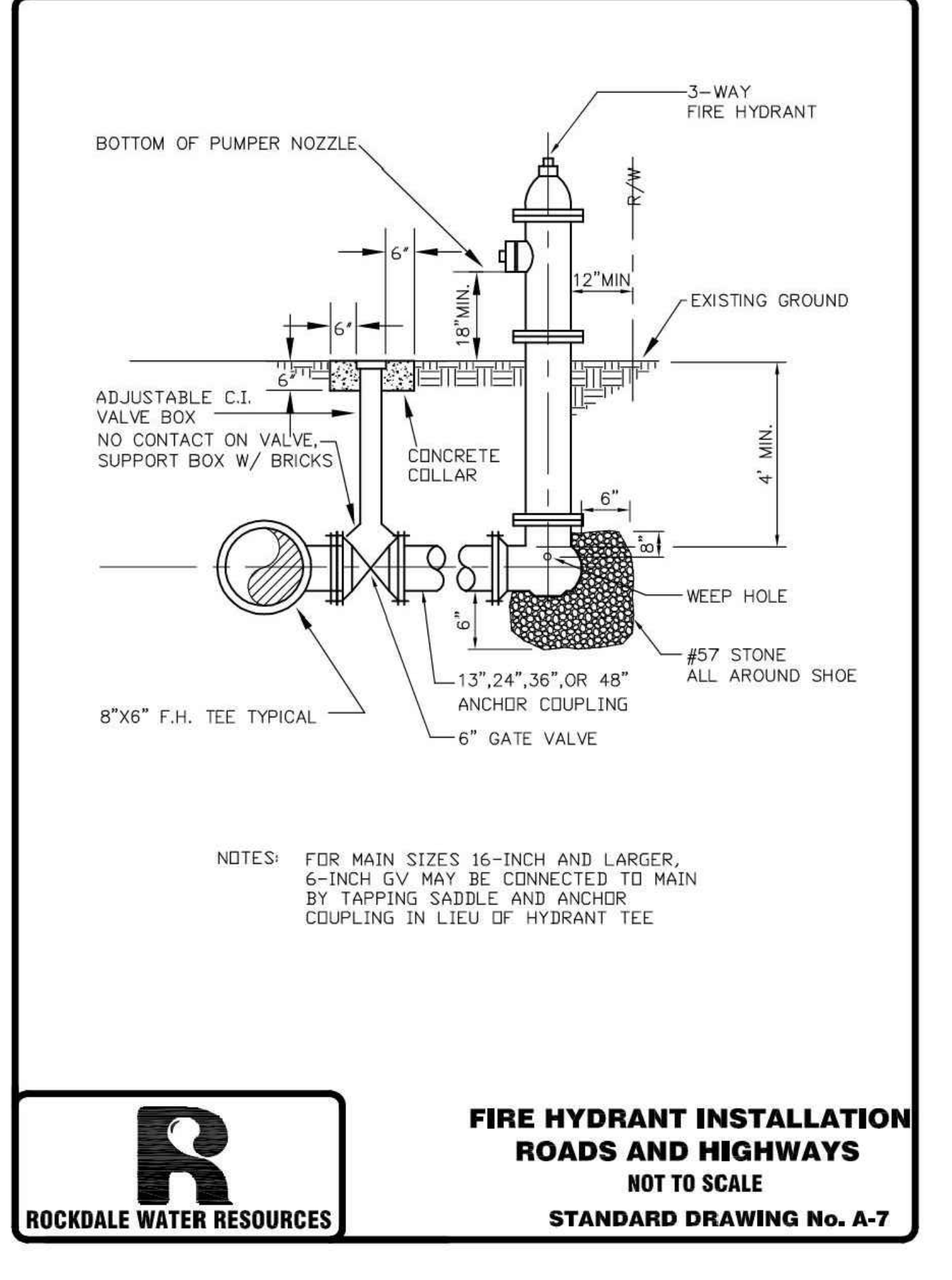
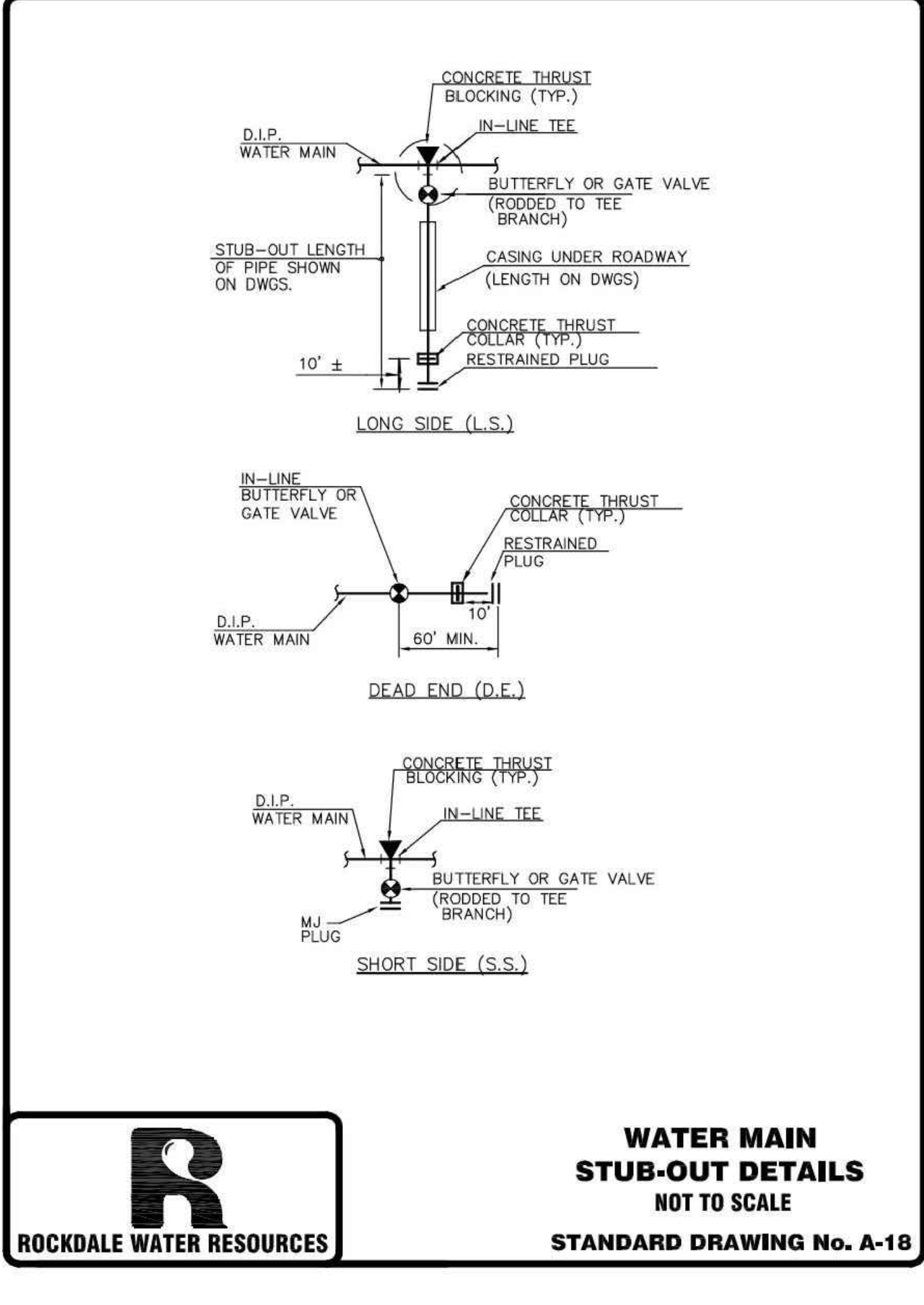
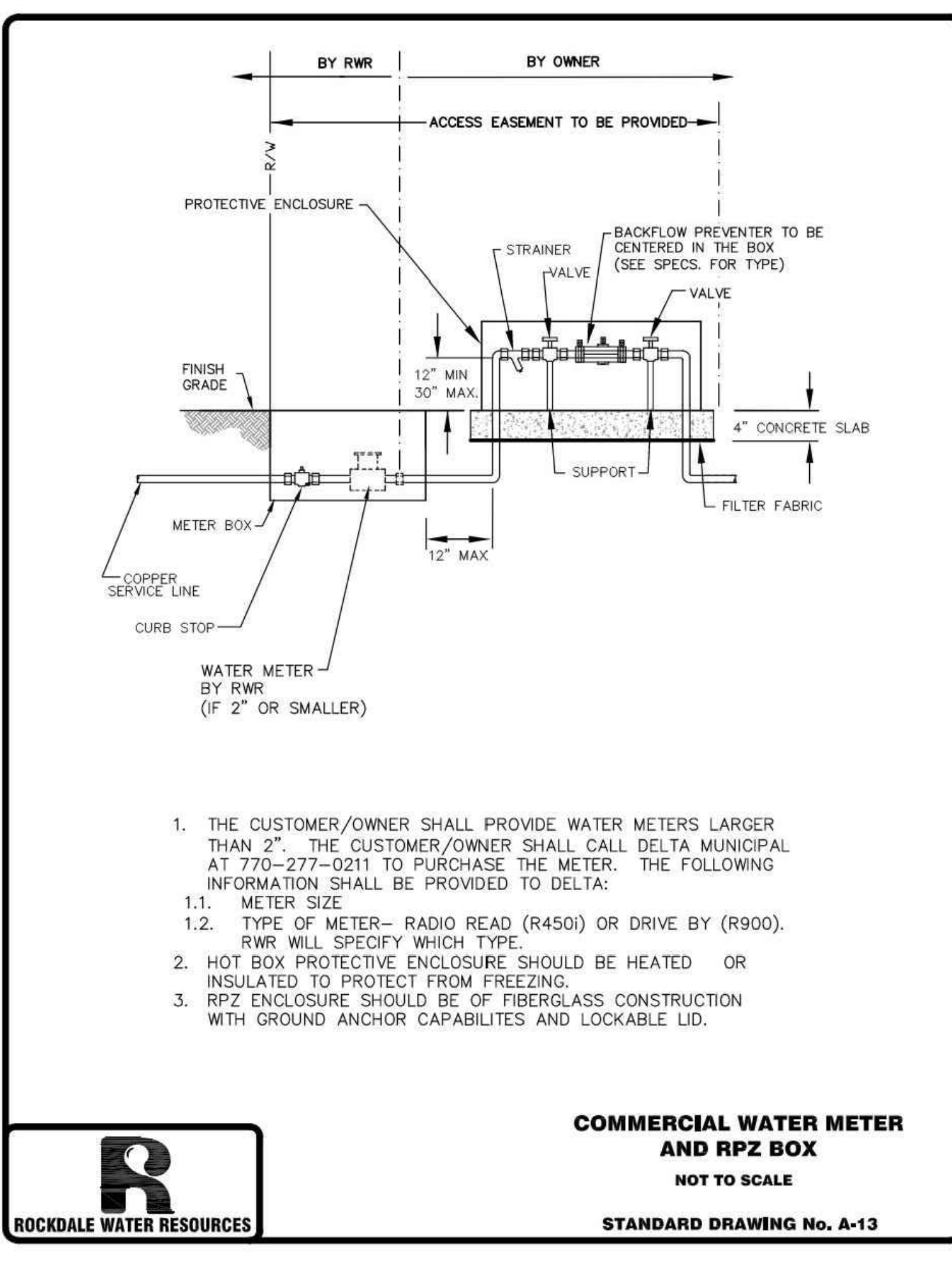
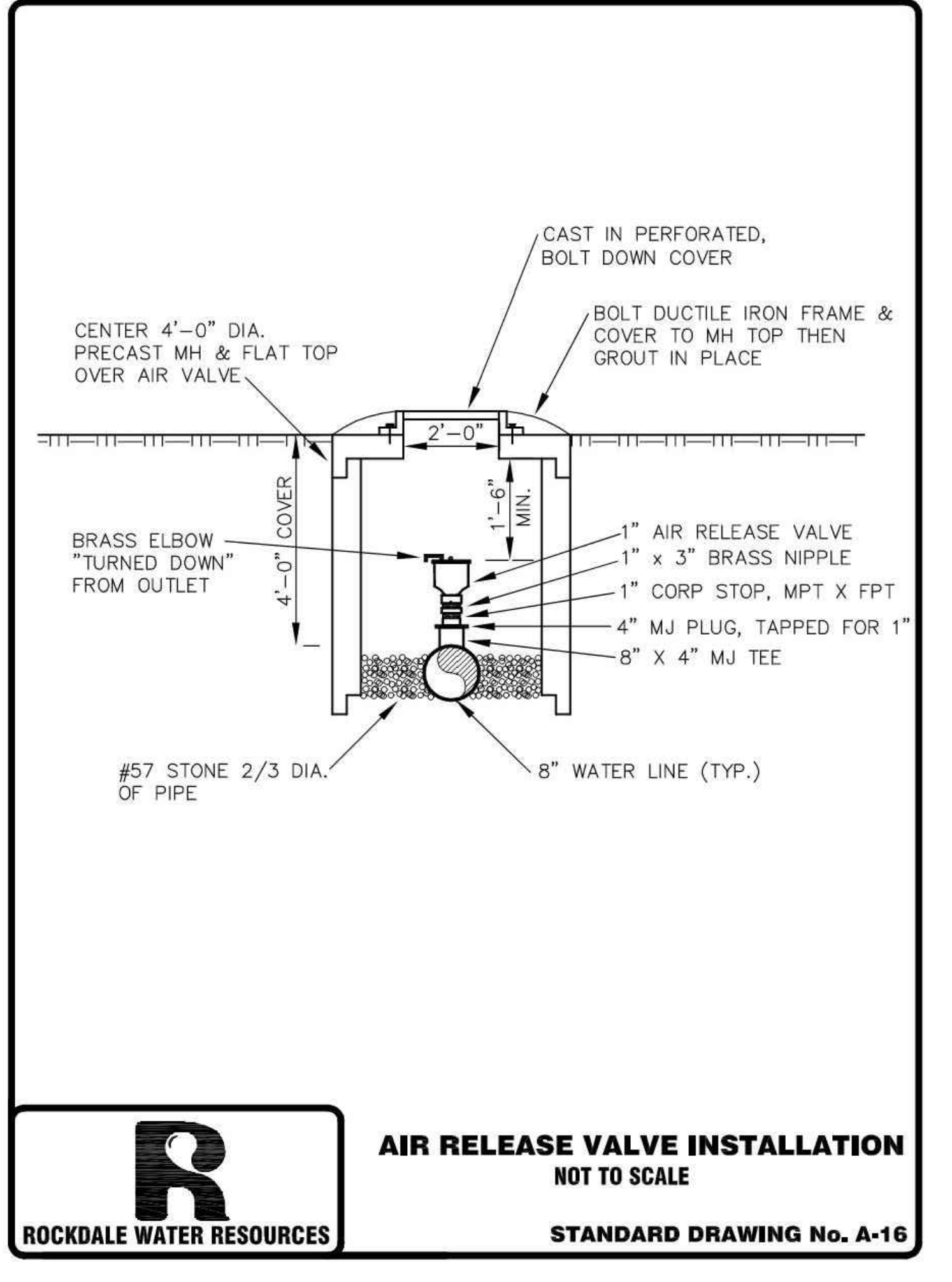
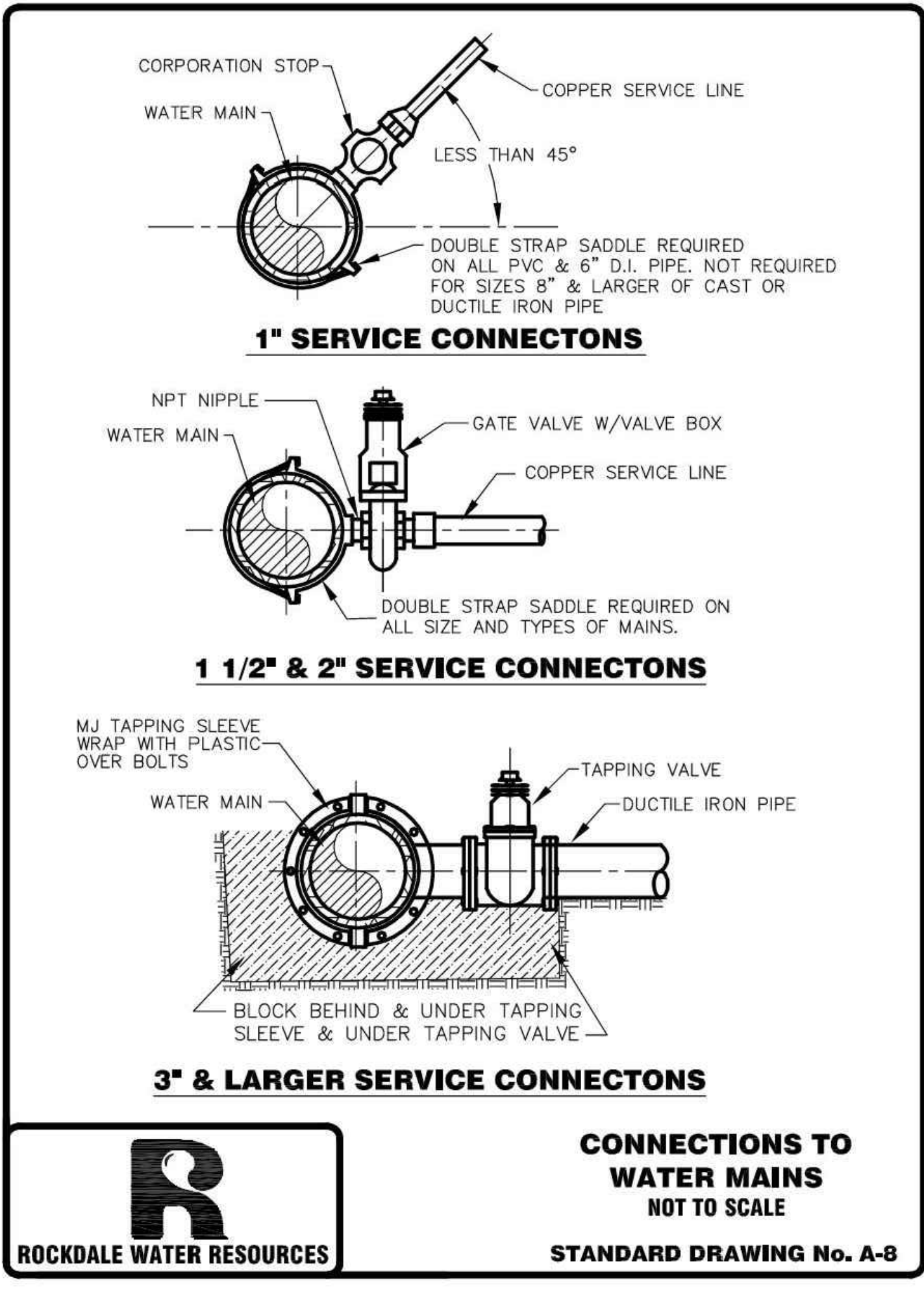
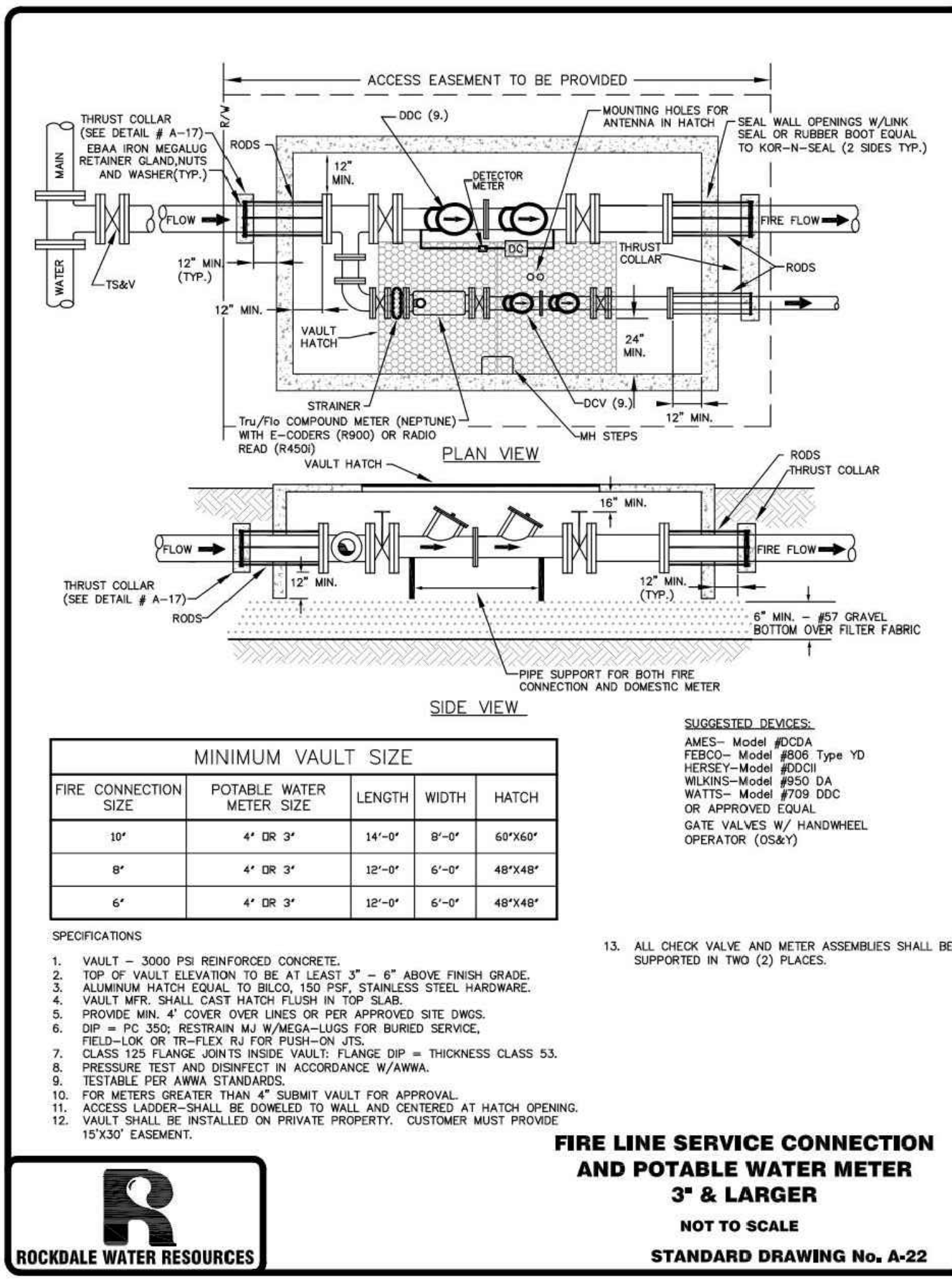
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Drawn By JRQ **Checked By** BAM
Date 05/05/2023 **Job No.** 22051

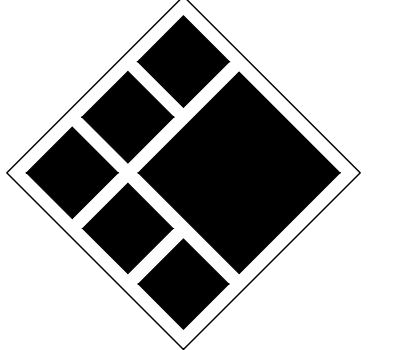
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SITE WORK
CONSTRUCTION
DETAILS

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Checked By: BAM

Date: 05/05/2023
Job No.: 22051

Sheet Title: ROCKDALE COUNTY STANDARD DETAILS

Sheet No.:

C-7.10

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