

# ROCKDALE COUNTY FIRE TRAINING CAMPUS

## SW HIGHWAY 212

## PARCEL #013001029B

## CONYERS, GEORGIA 30012

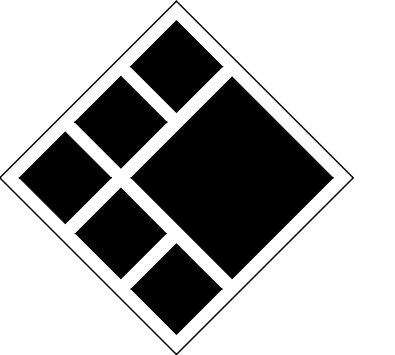
PREPARED FOR:

### ROCKDALE COUNTY GOVERNMENT

### 958 MILSTEAD AVE NE, CONYERS, GA 30012



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

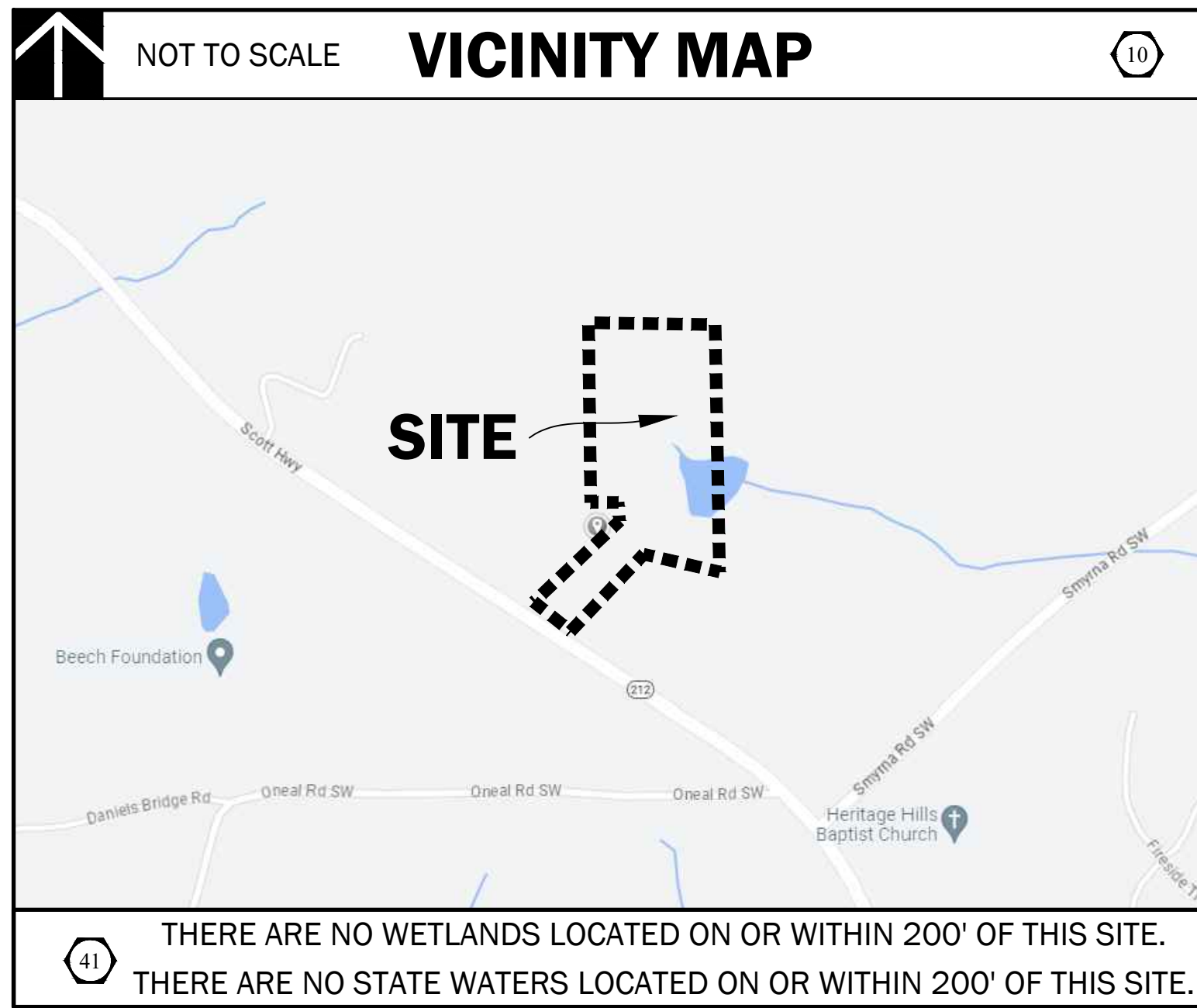


**ROCKDALE COUNTY FIRE  
TRAINING CAMPUS**

**ROCKDALE COUNTY BOARD OF  
COMMISSIONERS**

LAND LOTS 213 & 236, 11TH DISTRICT  
ROCKDALE COUNTY, 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 30002  
CONTACT: ANDREW HAMMER  
PHONE: 678-381-1081  
EMAIL: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV

ARCHITECT:  
NAME: JERICO DESIGN GROUP  
ADDRESS: 208 PIRKLE FERRY ROAD, SUITE C  
CITY: ST. ZIP: CUMMING, GA 30004  
CONTACT: DOUG SHAW  
PHONE: 770-525-1043  
EMAIL: DSHAW@JERICO-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

**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**

- 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. AN 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.

**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.

**GENERAL NOTES**

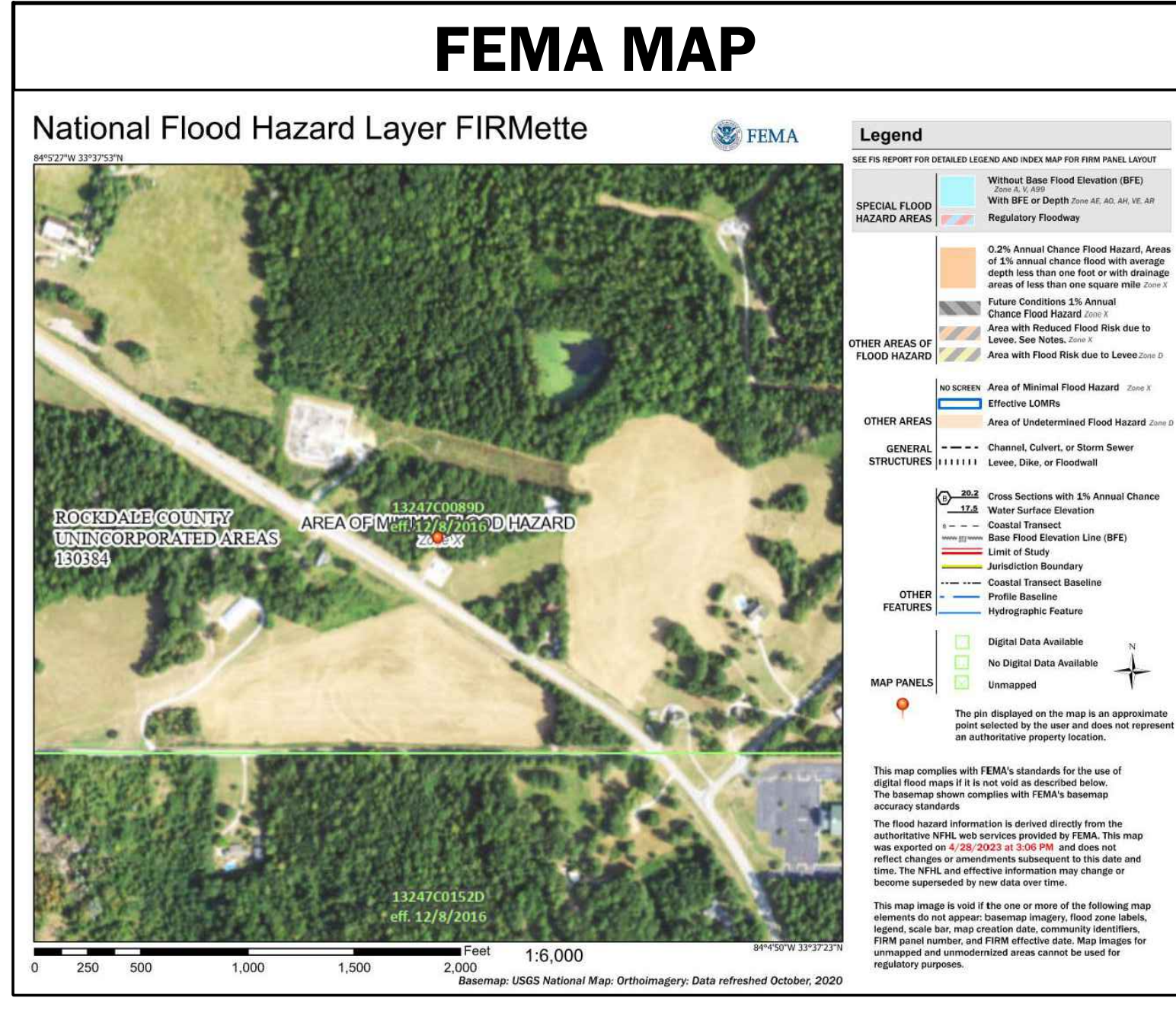
- NOTIFY ALL UTILITY PROVIDERS 24-HOURS PRIOR TO THE BEGINNING OF UTILITY DEMOLITION AND REMOVAL OR ADJUSTMENTS.
- NOTIFY ROCKDALE COUNTY'S INSPECTOR 24 HOURS PRIOR TO BEGINNING EVERY PHASE OF DEMOLITION.
- HIGH INTENSITY LIGHTING FACILITIES SHALL BE SO ARRANGED THAT THE SOURCE OF ANY LIGHT IS CONCEALED FROM PUBLIC VIEW AND FROM ADJACENT RESIDENTIAL PROPERTY AND DOES NOT INTERFERE WITH TRAFFIC.
- ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE.
- ACCESS TO SITE DURING CONSTRUCTION SHALL BE MAINTAINED AT ALL TIMES FOR EMERGENCY VEHICLES.
- TEMPORARY SEDIMENT STORAGE FEATURES AND PERIMETER BMP'S SHALL BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
- 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.
- CUT AND FILL SLOPES SHALL NOT EXCEED TWO FEET (2') HORIZONTAL TO ONE FOOT (1') VERTICAL.
- ANY DISCREPANCY FOUND BETWEEN SHEETS IN THIS SET SHALL BE REFERRED TO THE OWNER'S REPRESENTATIVE AND SITE DESIGN PROFESSIONAL FOR CLARIFICATION PRIOR TO PROCEEDING WITH ANY CONSTRUCTION ACTIVITY.
- CONTRACTOR SHALL VERIFY ALL BENCH MARKS AND EXISTING SITE CONDITIONS PRIOR TO PROCEEDING WITH DEMOLITION ACTIVITY.
- TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON-SITE. NO TOPSOIL SHALL BE REMOVED FROM SITE.
- ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL CODES AND MINIMUM STANDARDS AND SPECIFICATIONS.
- ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR.
- TREES TO BE SAVED SHALL BE PROTECTED BY THE CONTRACTOR.
- CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING EXISTING UTILITIES IDENTIFIED ON THESE PLANS AT NO ADDITIONAL COST TO THE OWNER.
- 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.
- COMPACTION OF BACKFILL SHALL BE PER ROCKDALE COUNTY STANDARDS.
- TREES 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.
- 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.
- ALL CONSTRUCTION TO COMPLY WITH ROCKDALE COUNTY STANDARDS.

**SITE PLAN LEGENDS**

<p><b>LAYOUT &amp; STAKING</b></p> <p>⊕ COORDINATE POINT P.O.B. POINT OF BEGINNING C1000 DETAIL REFERENCE (DETAIL SHEET) --- HANDRAIL AND/OR GUARDRAIL --- G.D.O.T. TYPE 4000 VEHICULAR GUARDRAIL</p> <p><b>PAVEMENT MARKINGS</b></p> <p>← PARKING ARROW - STRAIGHT, WHITE ↶ PARKING ARROW - TURN, WHITE /// PAINTED CROSSWALK - WHITE / ADA PARKING ACCESS AISLE - BLUE □ PAINTED WORD "STOP" - WHITE □ PAINTED WORD "ONLY" - WHITE</p> <p><b>SIGNAGE</b></p> <p>--- SIGN STOP SIGN - MUTCD STANDARD R1-1 YIELD SIGN - MUTCD STANDARD R1-2 NO PARKING SIGN - MUTCD STANDARD R8-3a DO NOT ENTER SIGN - MUTCD STANDARD R5-1 ONE WAY SIGN - MUTCD STANDARD R6-2</p> <p><b>SITE GRADING</b></p> <p>--- PROPOSED INTERMEDIATE CONTOURS --- PROPOSED INDEX CONTOURS +505 SPOT ELEVATION +HP HIGH POINT +LP LOW POINT → FLOW DIRECTION --- SLOPE 2:1 SLOPE INDICATOR (H:V) +TU 505 FINISHED GRADE AT TOP OF WALL +BU 505 FINISHED GRADE AT BOTTOM OF WALL +TC 505 TOP OF CURB ELEVATION</p>	<p><b>SITE UTILITIES</b></p> <p>--- W DOMESTIC WATER --- F FIRE MAIN FH FIRE HYDRANT FV POST INDICATOR VALVE TB CONCRETE THRUST BLOCKING WV WATER VALVE S GRAVITY SANITARY SEWER FM FORCE MAIN</p> <p><b>GENERAL</b></p> <p>--- TP TREE PROTECTION FENCE --- L LIMITS OF CONSTRUCTION X EXISTING TREE TO BE REMOVED</p> <p><b>STORM DRAINAGE</b></p> <p>--- STORM STRUCTURE LABEL --- HEADWALL --- FLARED END SECTION - GDOT STANDARD 102 --- SAFETY END SECTION - GDOT STANDARD 102 --- CATCH BASIN / GRATE INLET --- JUNCTION BOX --- DROP INLET - PEDESTAL TOP --- CURB INLET - GDOT STANDARD 102a --- W TYPE "E" HOOD --- SINGLE-WING CATCH BASIN - GDOT STANDARD 103d --- DOUBLE-WING CATCH BASIN - GDOT STANDARD 103d --- OUTLET CONTROL STRUCTURE --- TOP OF STRUCTURE ELEVATION --- THROAT OF STRUCTURE ELEVATION --- HIGH-DENSITY POLYETHYLENE PIPE --- ALUMINIZED STEEL TYPE 2 PIPE --- AST3 SPIRAL RIB CMP (MANNING'S N=0.012, ULTRAFLOW (TM) OR APPROVED EQUAL --- DUCTILE IRON PIPE --- REINFORCED CONCRETE PIPE (CLASS IV OR V) W/ RUBBER O-RING GASKET --- POLYVINYL CHLORIDE PIPE (SCHEDULE 40) --- INVERT ELEVATION - IN --- INVERT ELEVATION - OUT --- HYDRAULIC GRADE LINE</p>
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**SHEET INDEX**

SHEET #	SHEET NAME
C0.00	COVER SHEET
C0.10	TOPOGRAPHIC SURVEY 1 OF 2
C0.20	TOPOGRAPHIC SURVEY 2 OF 2
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C2.00	STAKING & LAYOUT PLAN
C3.00	GRADING PLAN
C3.10	STORM DRAINAGE PLAN
C3.20	PIPE PROFILES
C4.00	NPDES NOTES
C4.05	NPDES NOTES
C4.10	ES&PC PLAN - PERIMETER PHASE
C4.20	ES&PC PLAN - INITIAL PHASE
C4.30	ES&PC PLAN - INTERMEDIATE PHASE
C4.40	ES&PC PLAN - FINAL PHASE
C4.50	ES&PC DETAILS
C4.51	ES&PC DETAILS
C4.52	ES&PC DETAILS
C5.00	UTILITY 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

**CALL BEFORE YOU DIG**

**GEORGIA 811**  
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 1-800-282-7411 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 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.

**PROJECT DATA**

PROJECT ADDRESS:	SW HIGHWAY 212, CONYERS, GA 30002
TAX PARCELS:	030001029B
LAND LOTS:	214 236
ZONING:	AR
EXISTING USE:	UNDEVELOPED
PROPOSED USE:	FIRE TRAINING CAMPUS
TOTAL AREA OF SITE:	17.49 ACRES
DISTURBED AREA:	8.15 ACRES
EXISTING IMPERVIOUS AREA:	0.00 ACRES
PROPOSED IMPERVIOUS AREA:	128 ACRES
LOCAL ISSUING AUTHORITY:	ROCKDALE COUNTY (LDP)
PERMIT NUMBER:	23-0008906
SEWER AUTHORITY:	ROCKDALE COUNTY
PERMIT NUMBER:	23-0008906
WATER AUTHORITY:	ROCKDALE COUNTY
PERMIT NUMBER:	23-0008906

**PRINT RECORD**

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

Drawn By: Andrew Hammer  
Author: Andrew Hammer  
Checked By: Matthew Mattheis  
Job No.: 22051

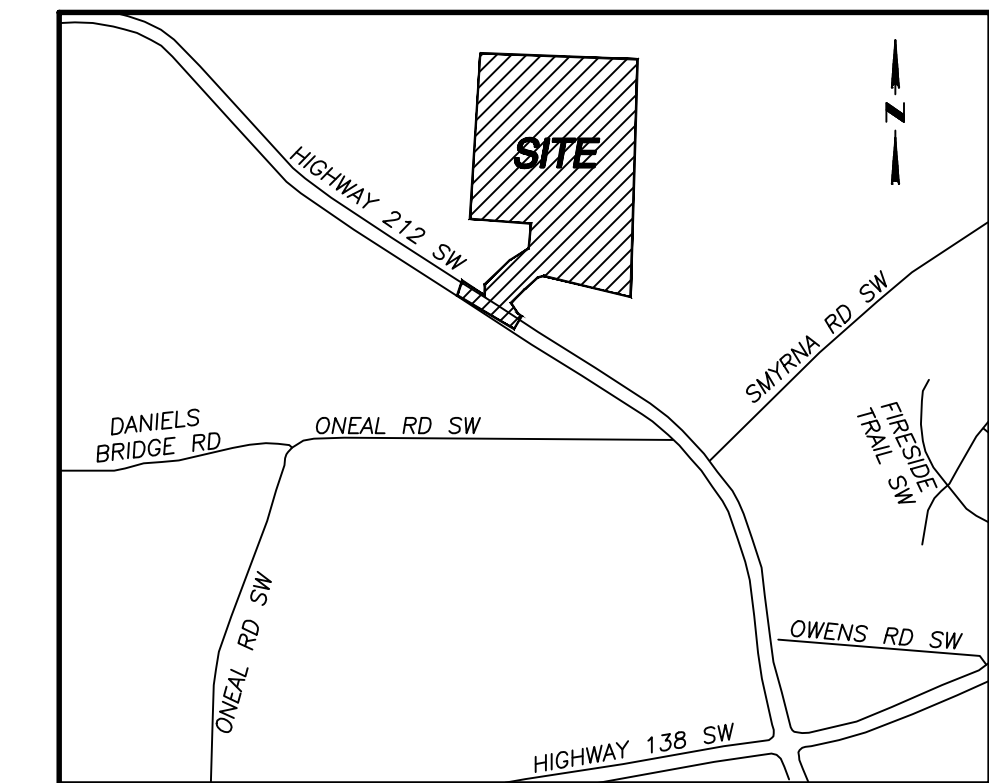
Sheet Title: COVER SHEET

Sheet No.: C-0.00

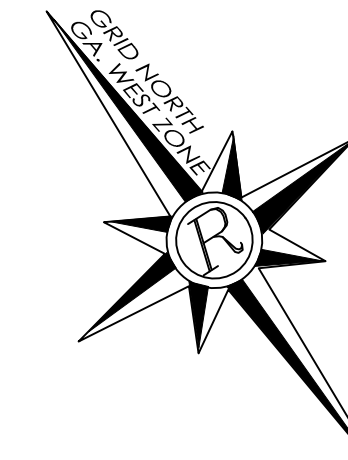
NOT RELEASED FOR CONSTRUCTION



MATCH LINE



VICINITY MAP  
SCALE: NTS

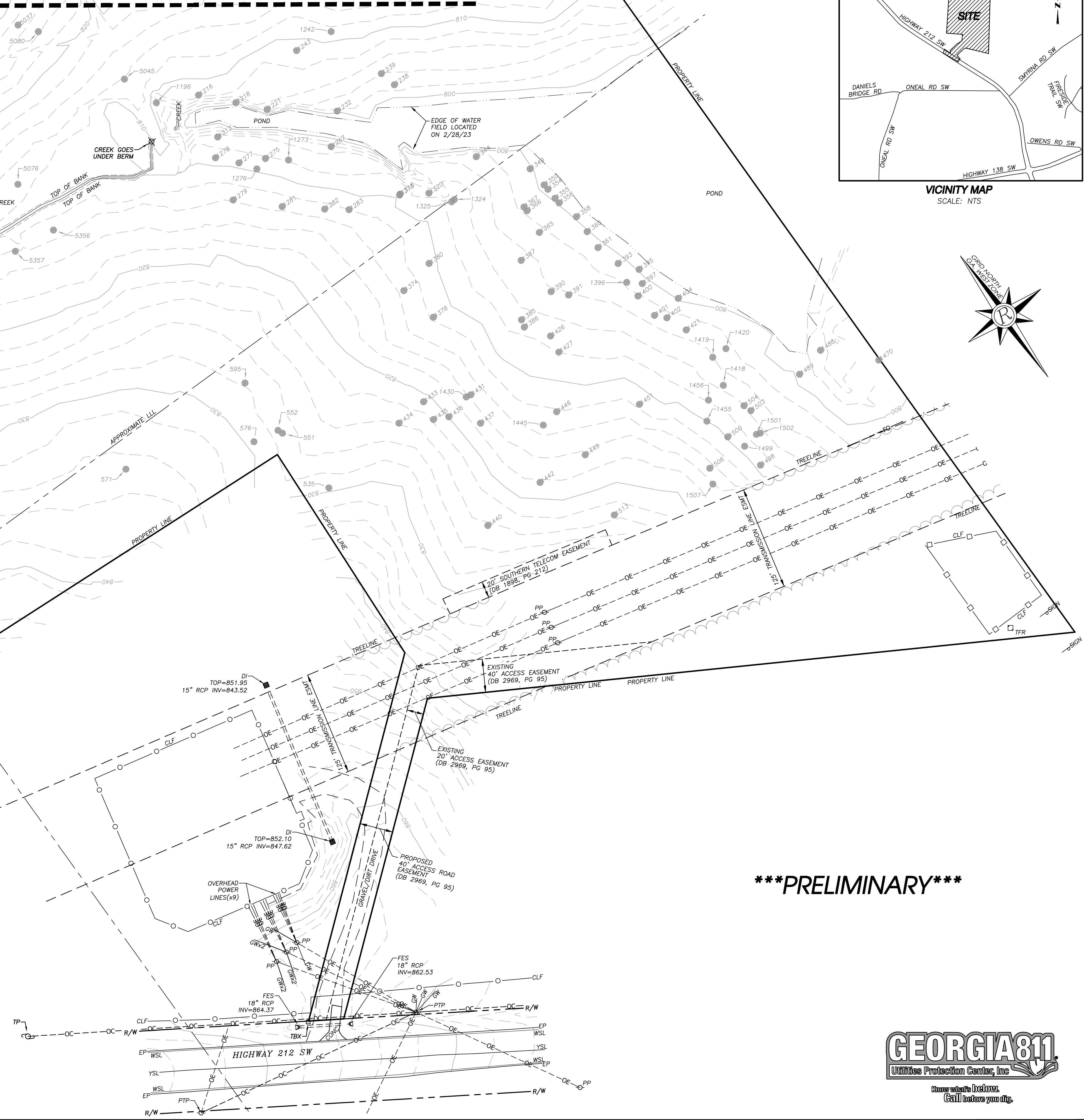


**LEGEND**

- BWF - BARBED WIRE FENCE
- C&G - CURB & GUTTER
- CBX - CABLE BOX
- CI - CURB INLET
- CL - CENTER LINE
- CLF - CHAIN LINK FENCE
- CMF - CONCRETE MONUMENT FOUND
- CMP - CORRUGATED METAL PIPE
- CO - CLEANOUT
- CONC - CONCRETE
- DB/PO - DEED BOOK PAGE
- DI - DROP INLET
- DIP - DUCTILE IRON PIPE
- DWCB - DOUBLE-WING CATCH BASIN
- EP - EDGE OF PAVEMENT
- FES - FLAIED END SECTION
- FFE - FINISHED FLOOR ELEVATION
- FH - FIRE HYDRANT
- G - GAS LINE
- GM - GAS METER
- GV - GAS VALVE
- GW - GUY WIRE
- HW - HEADWALL
- IPS - IRON PIN SET (1/2" REBAR)
- JB - JUNCTION BOX
- LL - LAND LOT
- LLL - LAND LOT LINE
- LP - LIGHT POLE
- MH - MANHOLE
- N/F - NOW OR FORMERLY
- P - POWER LINE
- P/T - POWER & TELEPHONE LINE
- PBX - POWER BOX
- P/L - PROPERTY LINE
- PM - POWER METER
- PP - POWER POLE
- PVC - POLYVINYLCHLORIDE PIPE
- RB - REBAR
- RCP - REINFORCED CONCRETE PIPE
- R/W - RIGHT OF WAY
- SS - SANITARY SEWER LINE
- SWCB - SINGLE-WING CATCH BASIN
- TBX - TELEPHONE BOX
- TP - TELEPHONE POLE
- TL - TELEPHONE LINE
- UC - UNDERGROUND COMMUNICATION
- UE - UNDERGROUND ELECTRIC
- UP - UNDERGROUND POWER
- UT - UNDERGROUND TELEPHONE
- WI - WEIR INLET
- WL - WATER LINE
- WM - WATER METER
- WMH - WATER MANHOLE
- WV - WATER VALVE

**SURVEY NOTES**

1. THE FIELD DATA DATED 2/28/23 UPON WHICH THIS PLAT IS BASED HAS A CLOSURE PRECISION OF ONE FOOT IN 55,759 FEET AND AN ANGULAR ERROR OF 1" SECOND PER ANGLE AND WAS ADJUSTED USING THE LEAST SQUARES. A TRIMBLE S-SERIES ROBOTIC TOTAL STATION WAS USED FOR ANGULAR AND LINEAR MEASUREMENTS.
2. THIS PLAT HAS BEEN CALCULATED FOR CLOSURE AND IS FOUND TO BE ACCURATE WITHIN ONE FOOT IN 181,273 FEET.
3. THE HORIZONTAL DATUM FOR THIS SURVEY IS THE NORTH AMERICAN DATUM OF 1983 (NAD 83 GEORGIA WEST ZONE) AND THE VERTICAL DATUM USED IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AS DETERMINED BY UTILIZING GPS. THE EQUIPMENT USED TO OBTAIN THIS DATA WAS A DUAL FREQUENCY TRIMBLE R10-2 GNSS GPS RECEIVER WITH A TRIMBLE TSC7 DATA COLLECTOR RECEIVING RTK CORRECTIONS VIA A WIRELESS NETWORK FROM BASE STATIONS OPERATED BY TRIMBLE NAVIGATION. THE AVERAGE RELATIVE POSITIONAL ACCURACY OBTAINED ON THE POSITIONS UTILIZED IN THIS SURVEY WAS 0.04 FT. HORIZONTAL AND 0.07 FT. VERTICAL. THESE VALUES WERE DERIVED FROM GPS PROCESSING SOFTWARE. THE REMAINDER OF THE FIELD WORK WAS PERFORMED WITH CONVENTIONAL EQUIPMENT AS DESCRIBED ABOVE.
4. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE COMMITMENT; THEREFORE EXCEPTION IS MADE HEREIN TO ANY EASEMENTS, RESERVATIONS, RIGHTS OF WAY AND RESTRICTIONS OF RECORD, WHICH MAY EXIST. FURTHERMORE, THIS PROPERTY MAY BE SUBJECT TO EASEMENTS, RESERVATIONS, RIGHTS OF WAY, OR RESTRICTIONS, WHICH ARE NOT RECORDED OR NOT DISCLOSED BY THE TITLE COMMITMENT OR OTHERWISE UNKNOWN TO THE SURVEYOR; THEREFORE EXCEPTION IS TAKEN TO ANY SUCH ITEMS.
5. THIS PROPERTY MAY OR MAY NOT CONTAIN WETLAND AREAS. NO EFFORTS HAVE BEEN MADE BY THIS SURVEYOR TO IDENTIFY OR LOCATE ANY WETLAND AREAS ON THIS PROPERTY. A QUALIFIED WETLAND SPECIALIST OR BIOLOGIST, PRIOR TO ANY LAND DISTURBANCE, SHOULD PERFORM WETLAND IDENTIFICATION AND DELINEATION.
6. THIS PROPERTY IS LOCATED IN A ZONE "X" AS PER F.E.M.A. INSURANCE RATE MAP OF ROCKDALE COUNTY, GEORGIA. COMMUNITY PANEL NO. 13247C0089D, EFFECTIVE DATE DECEMBER 8, 2016.
7. ALL PROPERTY CORNERS REFERENCED AS "IPS" INDICATES A 1/2" REBAR PLACED WITH A YELLOW PLASTIC CAP STAMPED "ROCHESTER-LSF000484", UNLESS OTHERWISE NOTED.
8. THIS SURVEY IS FOR THE EXCLUSIVE USE OF THE ENTITIES SHOWN HEREON; ANY USE BY THIRD PARTIES IS AT THEIR OWN RISK.
9. ALL DISTANCES AS SHOWN ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET (39.37 INCHES = 1 METER)



\*\*\*PRELIMINARY\*\*\*



**Rochester** | **BCCM**

Rochester and Associates, LLC  
425 Oak St NW, Gainesville, GA 30501  
770.718.0600 | www.rochester-assoc.com

TOPOGRAPHIC SURVEY

**ROCKDALE COUNTY, GEORGIA**

LAND LOTS 213 & 236, 11th DISTRICT  
ROCKDALE COUNTY, GEORGIA

NO.	DATE	DESCRIPTION	REVISIONS

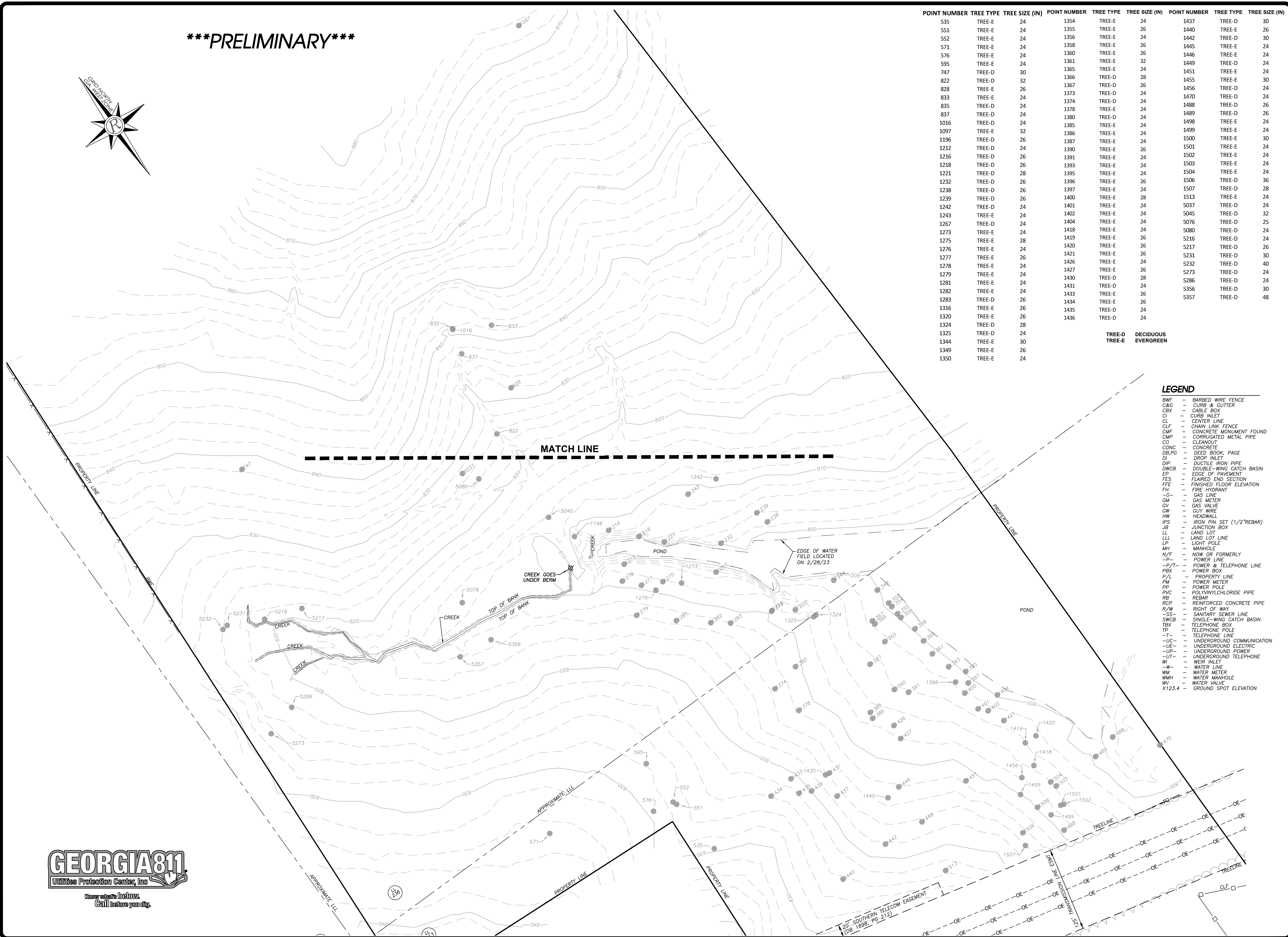
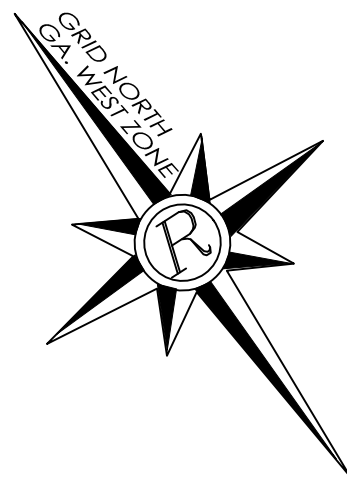
GRAPHIC SCALE: 0' 30' 60' 120' 180'

SHEET 1 OF 2

DATE: 3/2/23  
SCALE: 1"=60'  
JOB NO.: 022163.BLP  
DRAWN BY: AJA  
DWG NO.: .TOPLOJ



\*\*\*PRELIMINARY\*\*\*



POINT NUMBER	TREE TYPE	TREE SIZE (IN)	POINT NUMBER	TREE TYPE	TREE SIZE (IN)	POINT NUMBER	TREE TYPE	TREE SIZE (IN)
535	TREE-E	24	1354	TREE-E	24	1437	TREE-D	30
551	TREE-E	24	1355	TREE-E	26	1440	TREE-E	26
552	TREE-E	24	1356	TREE-E	24	1442	TREE-D	30
571	TREE-E	24	1358	TREE-E	26	1445	TREE-E	24
576	TREE-E	24	1360	TREE-E	26	1446	TREE-E	24
595	TREE-E	24	1361	TREE-E	32	1449	TREE-D	24
747	TREE-D	30	1365	TREE-E	24	1451	TREE-E	24
822	TREE-D	32	1366	TREE-D	28	1455	TREE-E	30
828	TREE-E	26	1367	TREE-D	26	1456	TREE-D	24
833	TREE-E	24	1373	TREE-D	24	1470	TREE-D	24
835	TREE-D	24	1374	TREE-D	24	1488	TREE-D	26
837	TREE-D	24	1378	TREE-E	24	1489	TREE-D	26
1016	TREE-D	24	1380	TREE-D	24	1498	TREE-E	24
1097	TREE-E	32	1385	TREE-E	24	1499	TREE-E	24
1196	TREE-D	26	1386	TREE-E	24	1500	TREE-E	30
1212	TREE-D	24	1387	TREE-E	24	1501	TREE-E	24
1216	TREE-D	26	1390	TREE-E	26	1502	TREE-E	24
1218	TREE-D	26	1391	TREE-E	24	1503	TREE-E	24
1221	TREE-D	28	1393	TREE-E	24	1504	TREE-E	24
1232	TREE-D	26	1395	TREE-E	24	1506	TREE-D	36
1238	TREE-D	26	1396	TREE-E	24	1507	TREE-D	28
1239	TREE-D	26	1397	TREE-E	24	1513	TREE-E	24
1242	TREE-D	24	1400	TREE-E	28	1537	TREE-D	24
1243	TREE-E	24	1401	TREE-E	24	5045	TREE-D	32
1267	TREE-D	24	1402	TREE-E	24	5076	TREE-D	25
1273	TREE-E	24	1404	TREE-E	24	5080	TREE-D	24
1275	TREE-E	28	1418	TREE-E	24	5216	TREE-D	24
1276	TREE-E	24	1419	TREE-E	26	5217	TREE-D	26
1277	TREE-E	26	1420	TREE-E	26	5231	TREE-D	30
1278	TREE-E	24	1421	TREE-E	26	5232	TREE-D	40
1279	TREE-E	24	1426	TREE-E	24	5273	TREE-D	24
1281	TREE-E	24	1427	TREE-E	26	5286	TREE-D	24
1282	TREE-E	24	1430	TREE-D	28	5356	TREE-D	30
1283	TREE-D	26	1431	TREE-D	24	5357	TREE-D	48
1316	TREE-E	26	1433	TREE-E	26			
1320	TREE-E	26	1434	TREE-E	26			
1324	TREE-D	28	1435	TREE-D	24			
1325	TREE-D	24	1436	TREE-D	24			
1344	TREE-E	30						
1349	TREE-E	26						
1350	TREE-E	24						

TREE-D DECIDUOUS  
TREE-E EVERGREEN

LEGEND

- BWF - BARBED WIRE FENCE
- C&G - CURB & GUTTER
- CBX - CABLE BOX
- CI - CURB INLET
- CL - CENTER LINE
- CLF - CHAIN LINK FENCE
- CMF - CONCRETE MONUMENT FOUND
- CMP - CORRUGATED METAL PIPE
- CO - CLEANOUT
- CONC - CONCRETE
- DB,FG - DEED BOOK, PAGE
- DI - DROP INLET
- DIP - DUCTILE IRON PIPE
- DWCB - DOUBLE-WING CATCH BASIN
- EP - EDGE OF PAVEMENT
- FES - FLAIED END SECTION
- FFE - FINISHED FLOOR ELEVATION
- FH - FIRE HYDRANT
- G- - GAS LINE
- GM - GAS METER
- GV - GAS VALVE
- GW - GUY WIRE
- HW - HEADWALL
- IFS - IRON PIN SET (1/2"REBAR)
- JB - JUNCTION BOX
- LL - LAND LOT
- LLL - LAND LOT LINE
- LP - LIGHT POLE
- MH - MANHOLE
- N/F - NOW OR FORMERLY
- P- - POWER LINE
- P/T- - POWER & TELEPHONE LINE
- PBX - POWER BOX
- P/L - PROPERTY LINE
- PM - POWER METER
- PP - POWER POLE
- PVC - POLYVINYLCHLORIDE PIPE
- RB - REBAR
- RCP - REINFORCED CONCRETE PIPE
- R/W - RIGHT OF WAY
- SS- - SANITARY SEWER LINE
- SWCB - SINGLE-WING CATCH BASIN
- TBX - TELEPHONE BOX
- T- - TELEPHONE LINE
- UC- - UNDERGROUND COMMUNICATION
- UE- - UNDERGROUND ELECTRIC
- UP- - UNDERGROUND POWER
- UT- - UNDERGROUND TELEPHONE
- W- - WEIR INLET
- WL - WATER LINE
- WM - WATER METER
- WMH - WATER MANHOLE
- WV - WATER VALVE
- XT23.4 - GROUND SPOT ELEVATION

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TOPOGRAPHIC SURVEY

**ROCKDALE COUNTY, GEORGIA**

LAND LOTS 213 & 236, 11th DISTRICT  
ROCKDALE COUNTY, GEORGIA

GRAPHIC SCALE

0' 30' 60' 120' 180'

SHEET 2 OF 2

DATE: 3/2/23  
SCALE: 1"=60'  
JOB NO.: 022163.B/P  
DRAWN BY: AJA  
DWG NO.: .TOP.O.U.

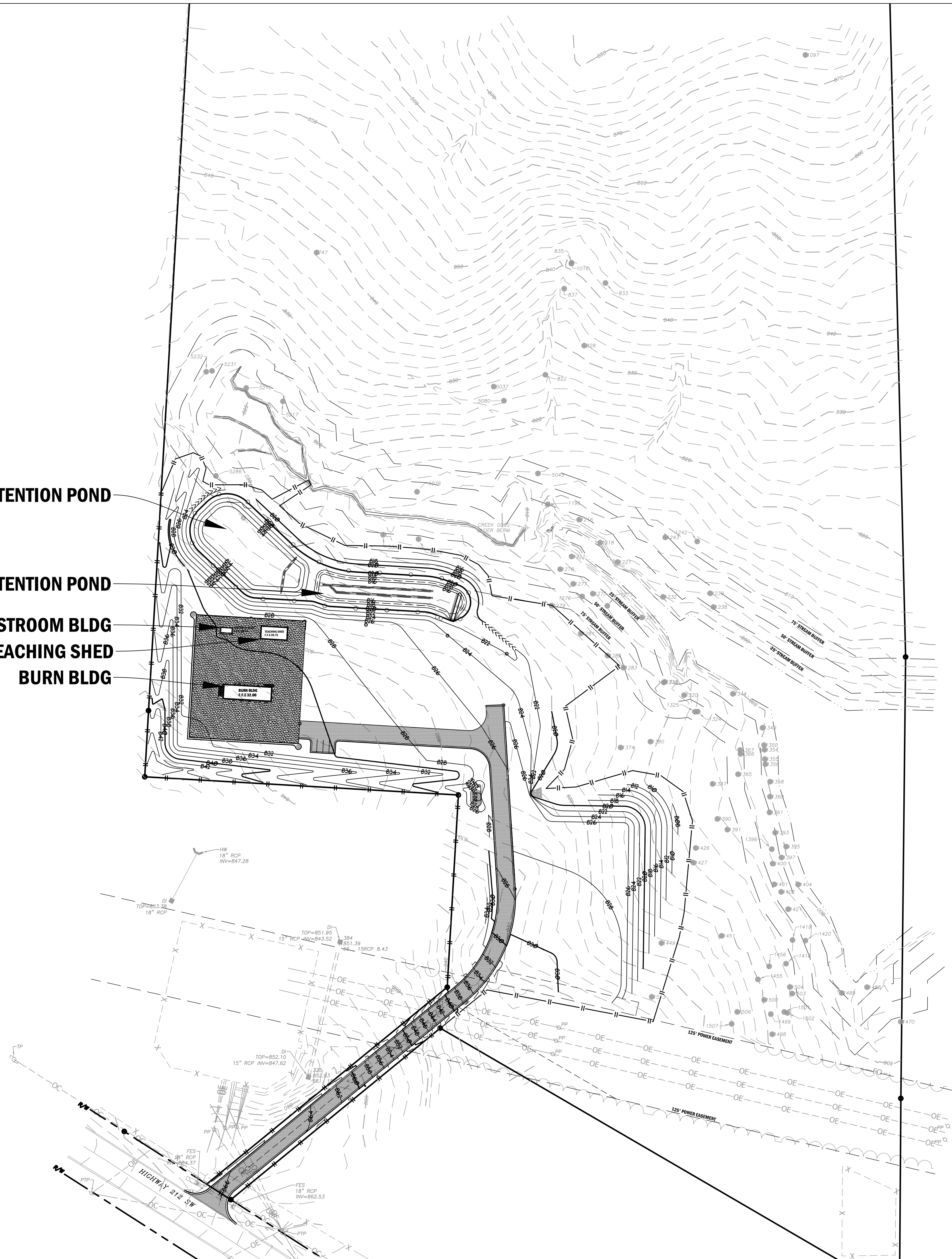
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Utilities Protection Center, Inc.

Know what's below.  
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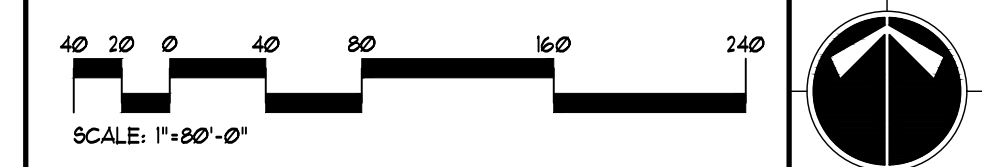
DETENTION POND  
 BIO-RETENTION POND  
 RESTROOM BLDG  
 TEACHING SHED  
 BURN BLDG



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 EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV  
 PHONE NUMBER: 678-381-1081

**GRAPHIC SCALE & ORIENTATION**



**UTILITY LOCATION NOTES**

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**CALL BEFORE YOU DIG**



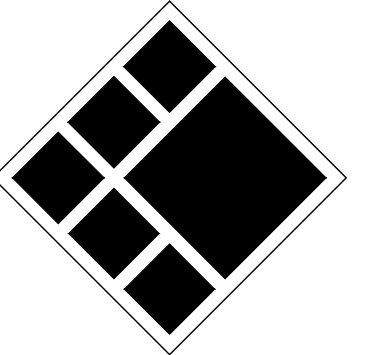
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**ROCKDALE COUNTY FIRE TRAINING CAMPUS**

**ROCKDALE COUNTY BOARD OF COMMISSIONERS**

LAND LOTS 213 & 236, 11TH DISTRICT  
 ROCKDALE COUNTY, GEORGIA 30012

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Drawn By: Author  
 Checked By: Checker  
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 Job No.: 22051  
 Sheet Title:

MASTER PLAN

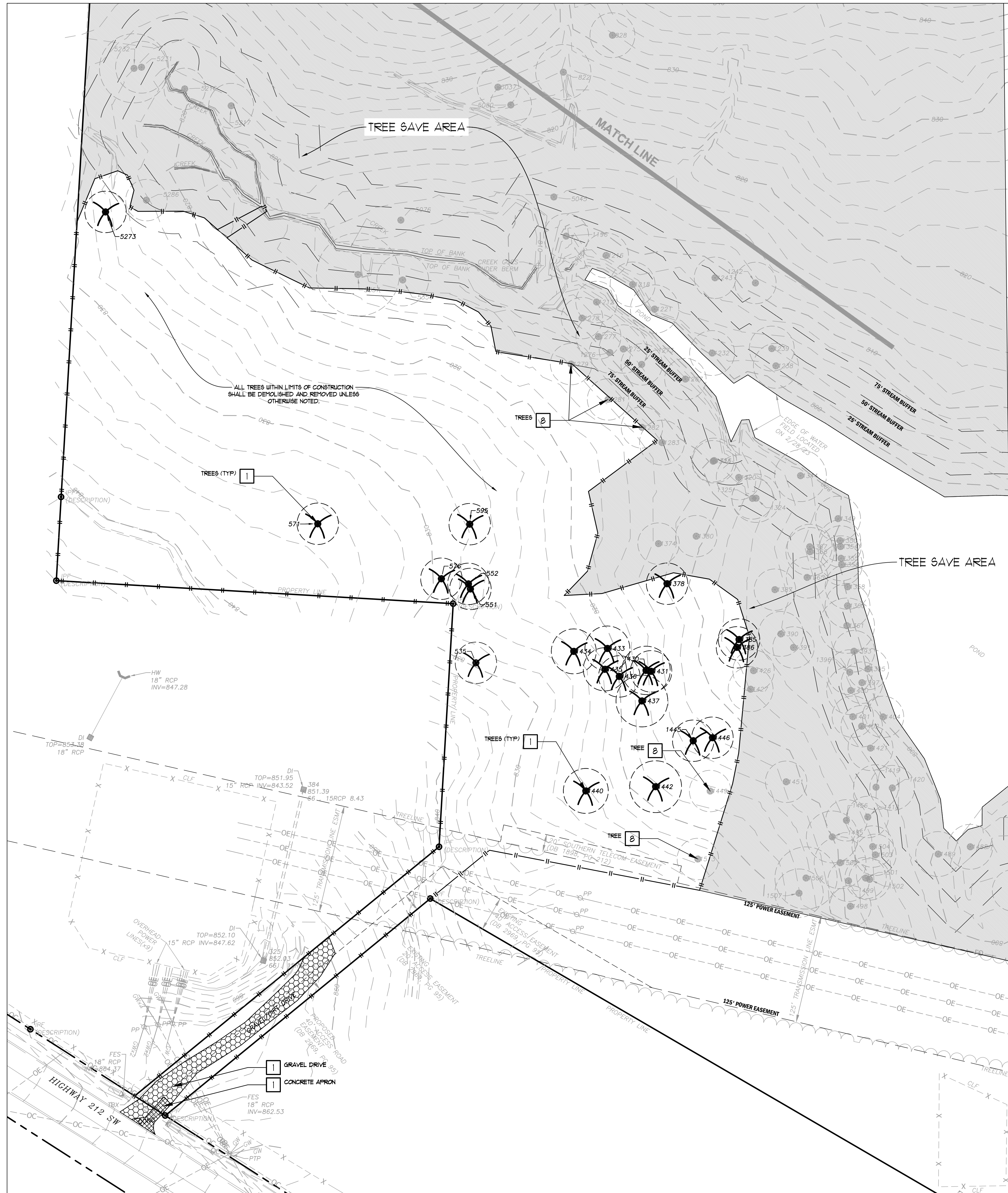
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- ### GENERAL DEMOLITION NOTES
- CONTRACTOR SHALL REFER TO PHASING SECTION OF THE SPECIFICATIONS. ALL DEMOLITION SHALL BE COORDINATED WITH PHASING.
  - WORK DONE AHEAD OF SEQUENCE OR FOR TEMPORARY PROVISIONS SHALL HAVE EXISTING DISTURBED SURFACES PATCHED 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 SAVE AND PROTECT ALL EXISTING STORM DRAINAGE STRUCTURES UNLESS OTHERWISE NOTED.
  - 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 RAN 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.

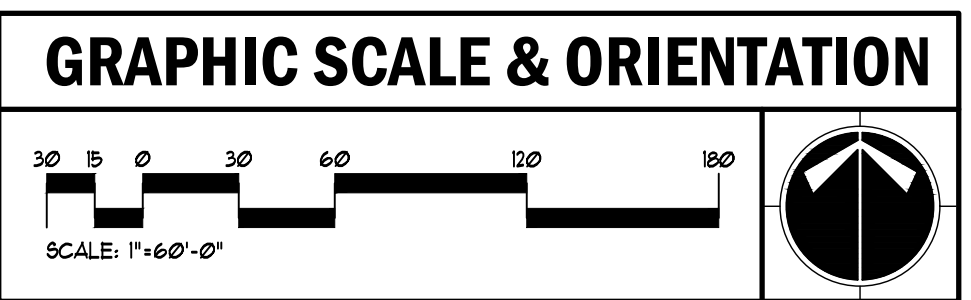
### DEMOLITION LEGEND

- 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
- CONCRETE WALKS, CONCRETE STAIRS, CONCRETE RAILS OR OTHER CONC. PAVEMENT REMOVAL LIMITS (DEMOLISH & REMOVE PAVEMENTS TO SUBGRADE)
- ASPHALT PAVEMENT REMOVAL LIMITS (DEMOLISH & REMOVE PAVEMENTS TO SUBGRADE)
- GRAVEL REMOVAL LIMITS (DEMOLISH & REMOVE TO SUBGRADE)
- BUILDING STRUCTURE DEMOLITION LIMITS (CONTRACTOR SHALL COORDINATE DEMOLITION OF ALL BUILDING UTILITIES WITH ARCHITECT & MEP)
- CONCRETE CURB AND GUTTER REMOVAL (DEMOLISH & REPAIR TO NEAREST CONSTRUCTION JOINT)
- LIMITS OF CONSTRUCTION ACTIVITY
- TREE REMOVAL AREA
- TREE SAVE AREA
- 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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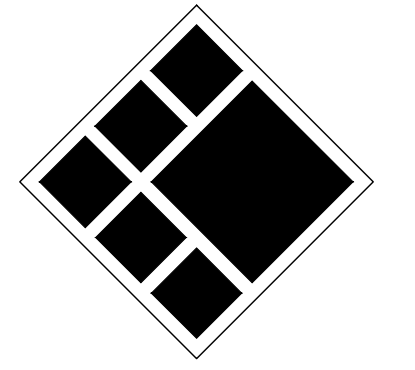
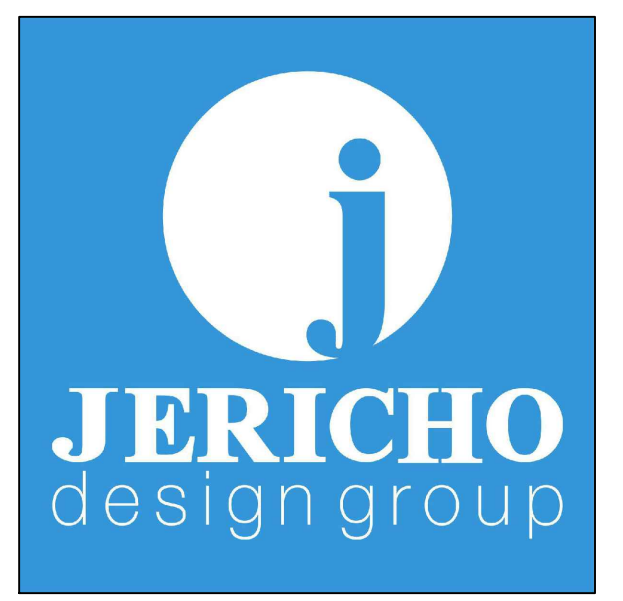
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**ROCKDALE COUNTY FIRE TRAINING CAMPUS**

**ROCKDALE COUNTY BOARD OF COMMISSIONERS**

LAND LOTS 213 & 236, 11TH DISTRICT  
ROCKDALE COUNTY, GEORGIA 30012

### PRINT RECORD

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 Checked By: Checker

Date: 09/05/2023  
 Job No.: 22051

Sheet Title

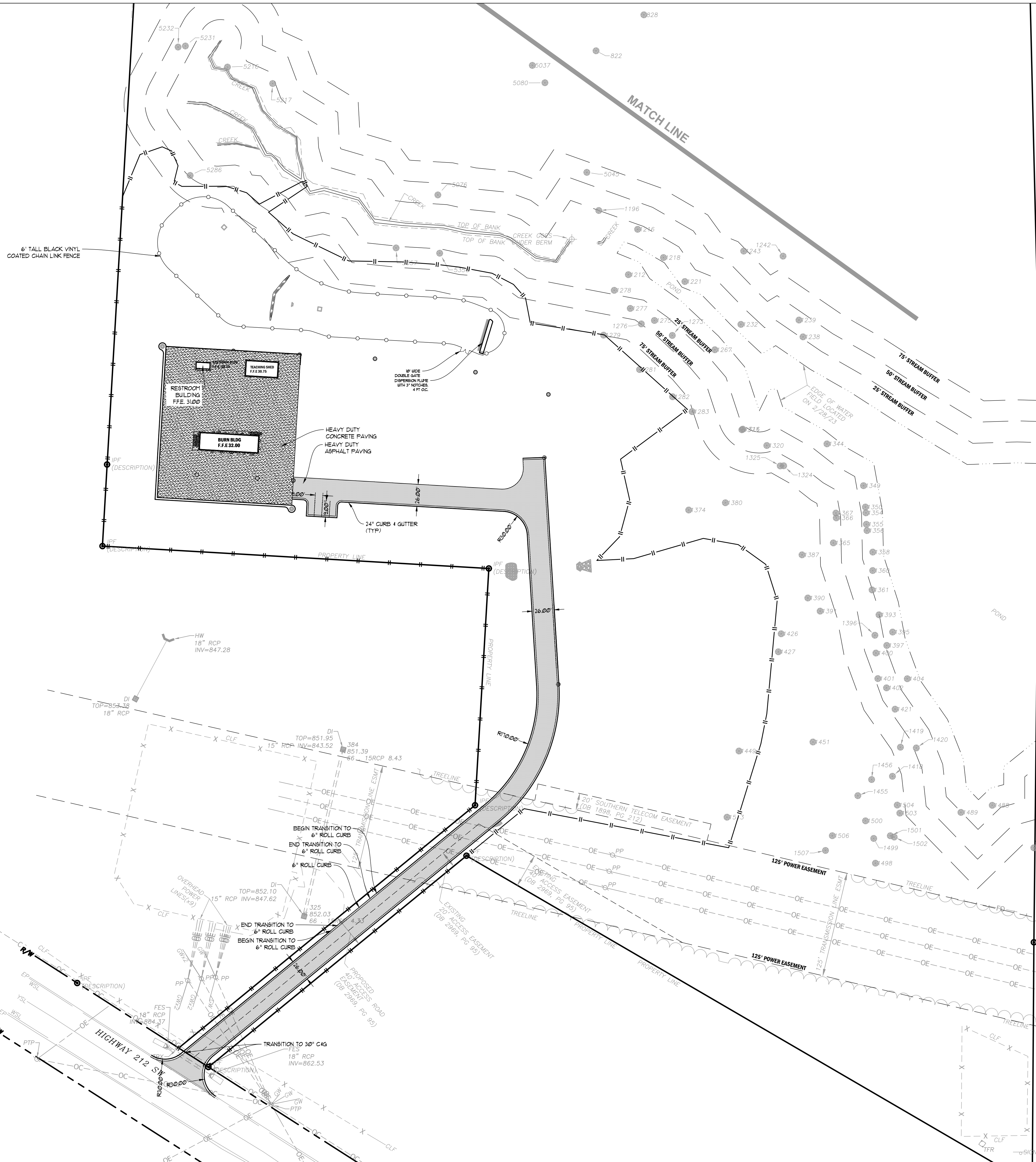
**DEMOLITION AND REMOVAL PLAN**

Sheet No. **C-1.50**

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### PAVING LEGEND

	HEAVY DUTY ASPHALT PAVING
	HEAVY DUTY CONCRETE PAVING

### GENERAL LAYOUT NOTES

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

### GRAPHIC SCALE & ORIENTATION

30 15 0 30 60 120 180  
 SCALE: 1"=60'-0"

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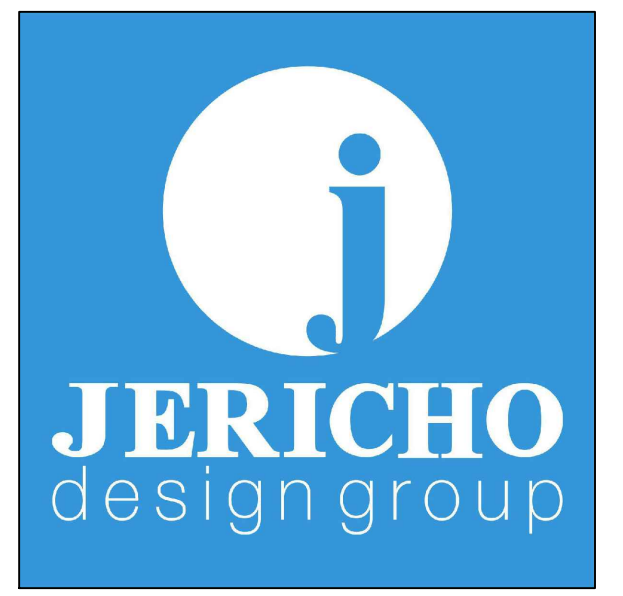
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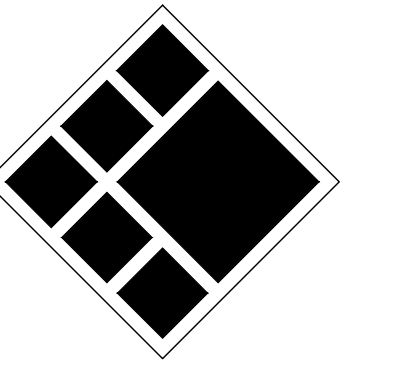
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 Job No.: 22051

Sheet Title: STAKING AND LAYOUT PLAN

Sheet No.: C-2.00

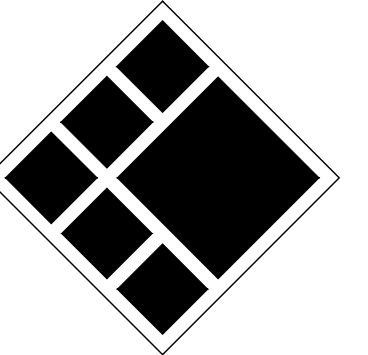
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**Sheet Title**

GRADING PLAN

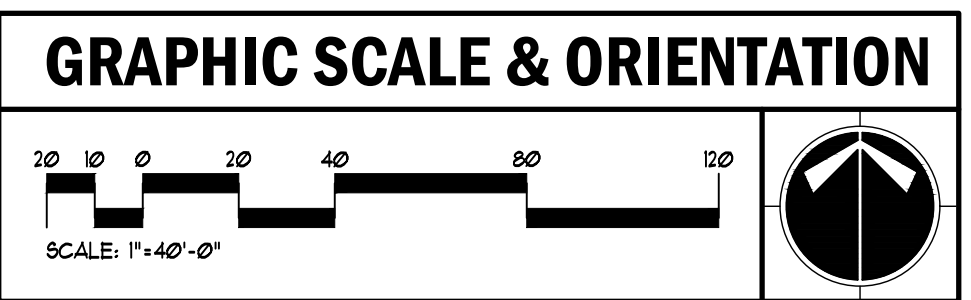
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**C-3.00**  
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**EXCESS CUT**  
EXCESS CUT MATERIAL: IF QUANTITY OF GRADING MATERIAL IS IN EXCESS OF QUANTITIES NECESSARY TO PROVIDE FINISH GRADE ELEVATIONS INDICATED ON DRAWINGS, EXCESS MATERIAL SHALL BE HAILED OFF SITE, HAULING AND DISPOSAL OF EXCESS MATERIAL SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR IS RESPONSIBLE FOR ABIDING BY ALL LOCAL, STATE, AND FEDERAL REGULATIONS IN DISPOSING OF EXCESS MATERIAL.

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

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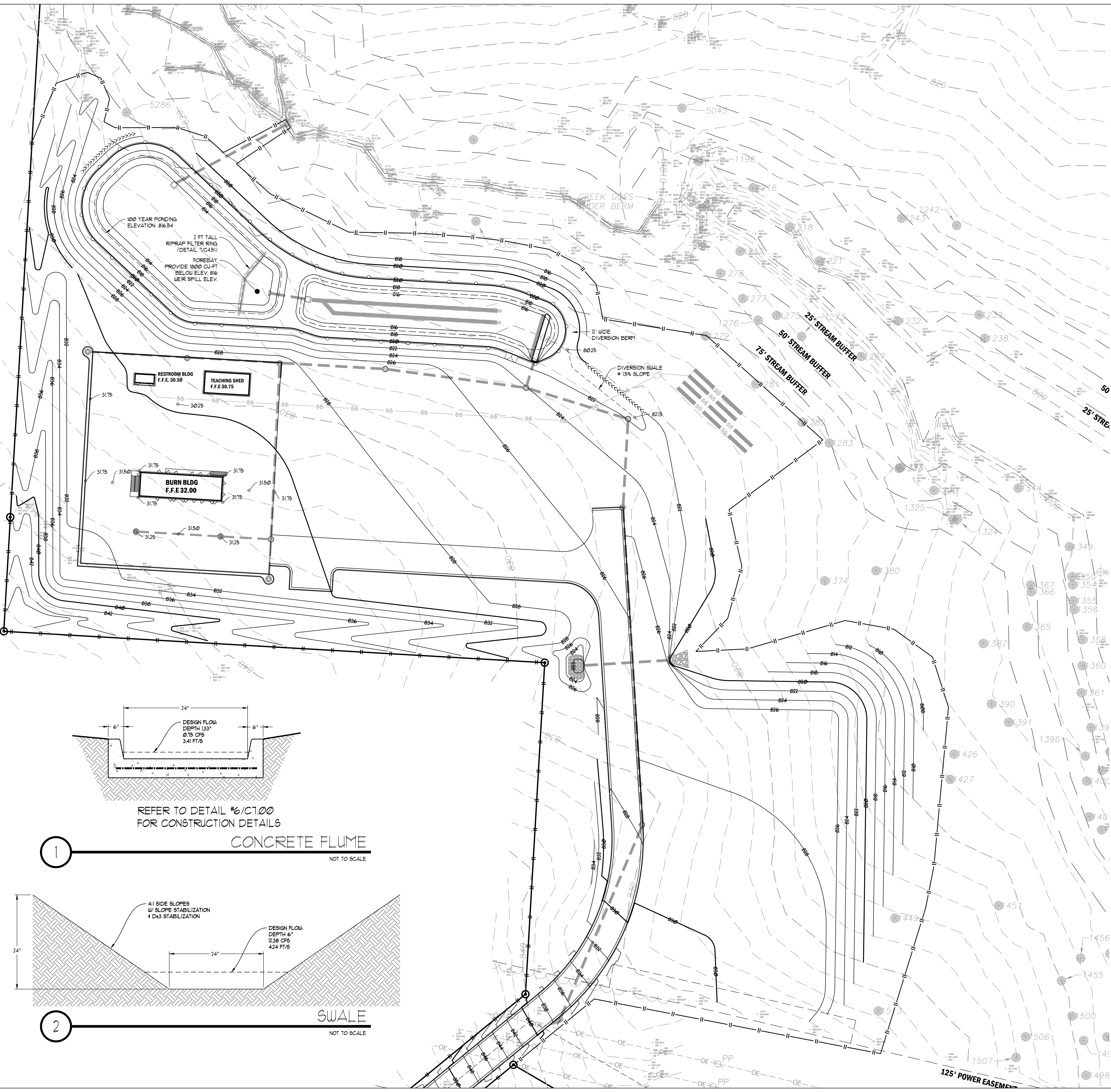
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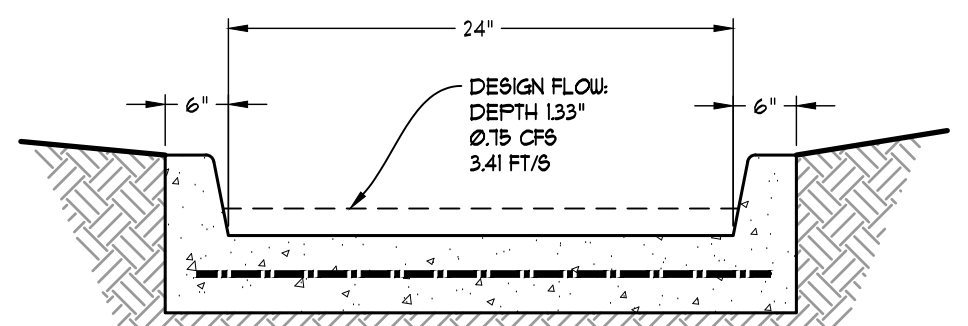
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100 YEAR FLOODING ELEVATION: 816.54  
2 FT TALL RIFRAP FILTER RING (DETAIL 1/C451) FOREBAY PROVIDE 1800 CU-FIT BELOW ELEV. 816 WEIR SPILL ELEV.

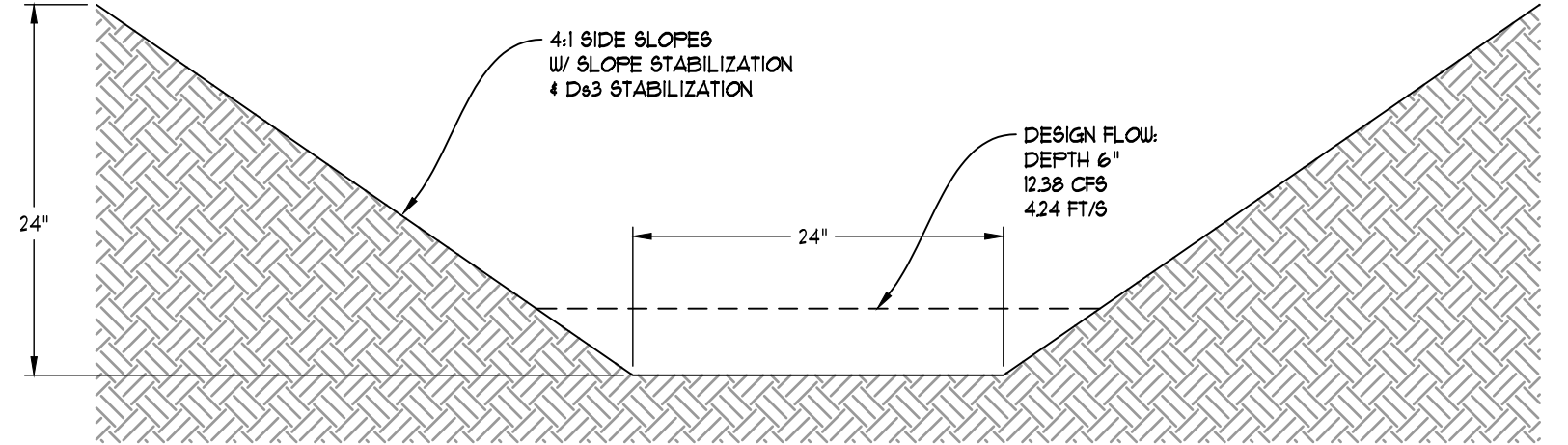
DIVERSION SWALE 15% SLOPE

RESTROOM BLDG F.F.E. 30.50  
TEACHING SHED F.F.E. 30.75  
BURN BLDG F.F.E. 32.00



REFER TO DETAIL 16/C100 FOR CONSTRUCTION DETAILS

**CONCRETE FLUME**  
NOT TO SCALE

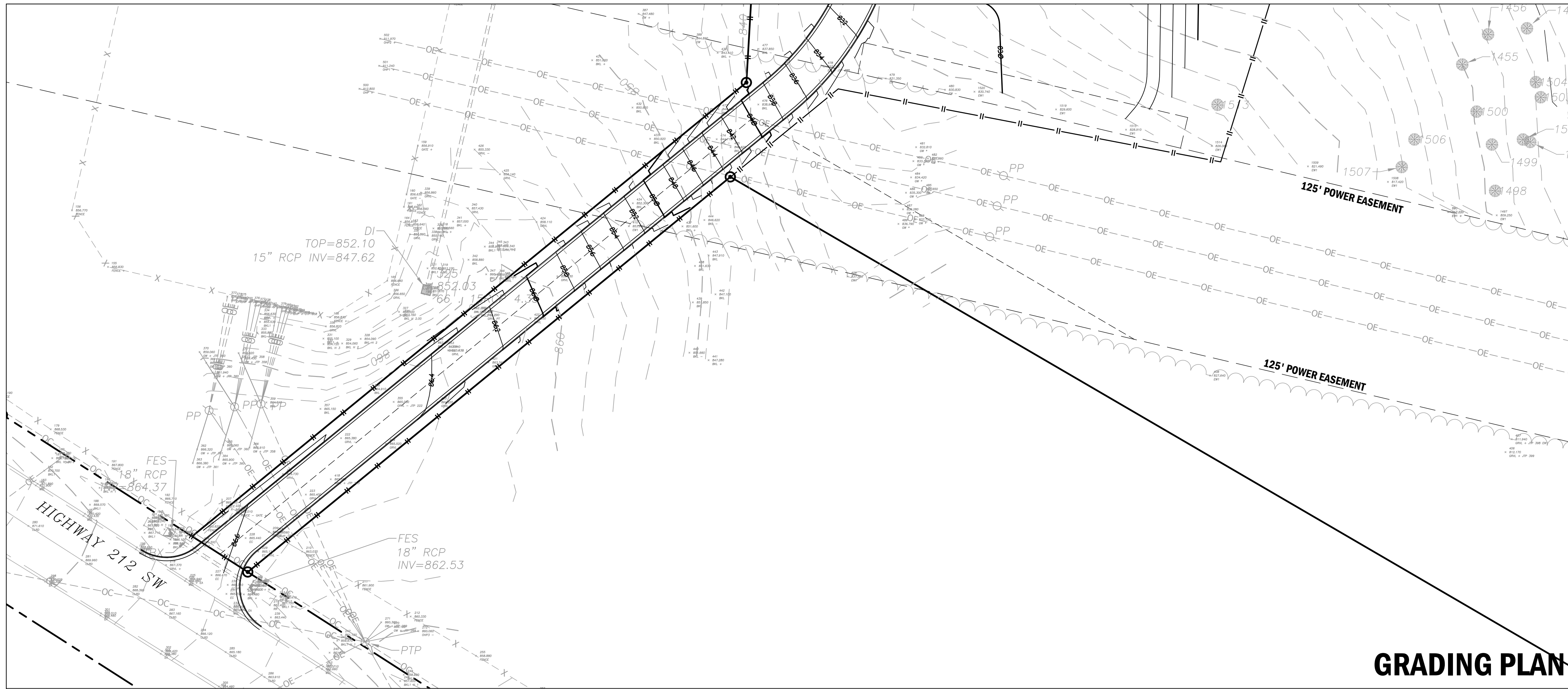


**SWALE**  
NOT TO SCALE

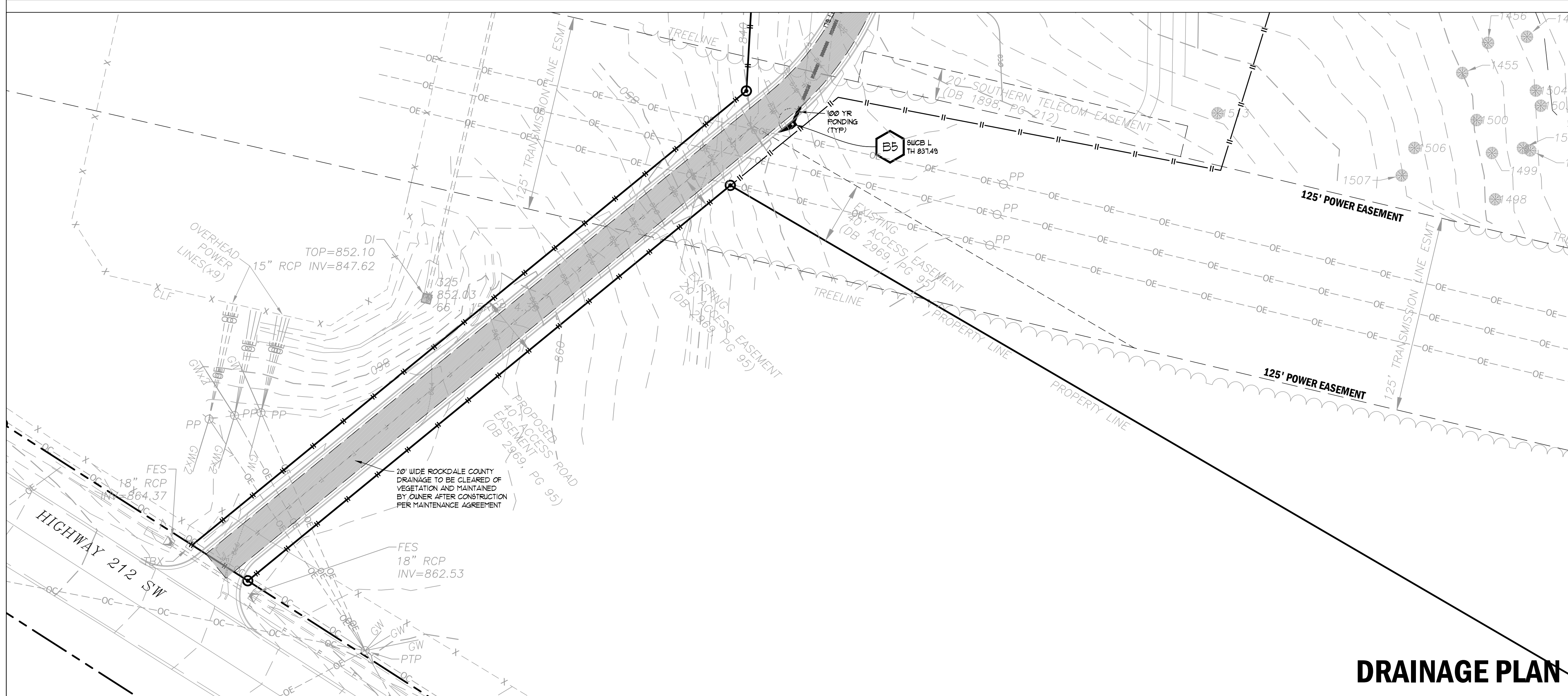
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**GRADING PLAN**



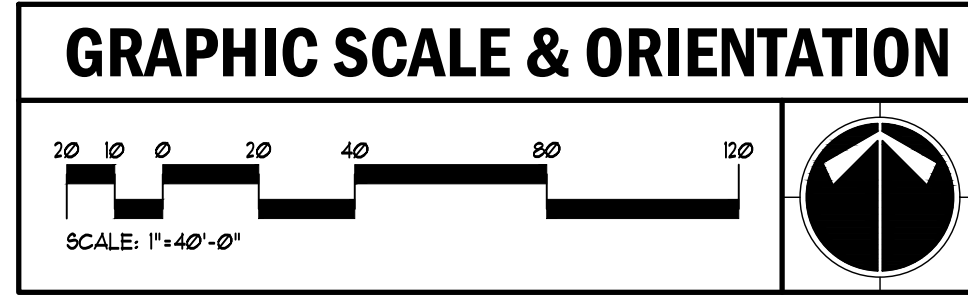
**DRAINAGE PLAN**

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.

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

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

**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.
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www.Georgia811.com

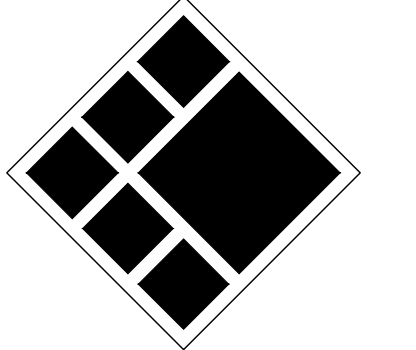
GEORGIA LAW MANDATES THAT, BEFORE BEGINNING ANY MECHANIZED DIGGINGS OR EXCAVATION WORK, YOU MUST CONTACT GEORGIA 811 BY USING EREQUEST ON WWW.GEORGIA811.COM OR BY CALLING 811 OR 1-800-282-1411 AT LEAST 48 HOURS BUT NO MORE THAN 10 WORKING DAYS IN ADVANCE TO HAVE UTILITY LINES MARKED.

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**ROCKDALE COUNTY FIRE TRAINING CAMPUS**

**ROCKDALE COUNTY BOARD OF COMMISSIONERS**

LAND LOTS 213 & 236, 11TH DISTRICT  
ROCKDALE COUNTY, GEORGIA 30012

**PRINT RECORD**

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

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

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

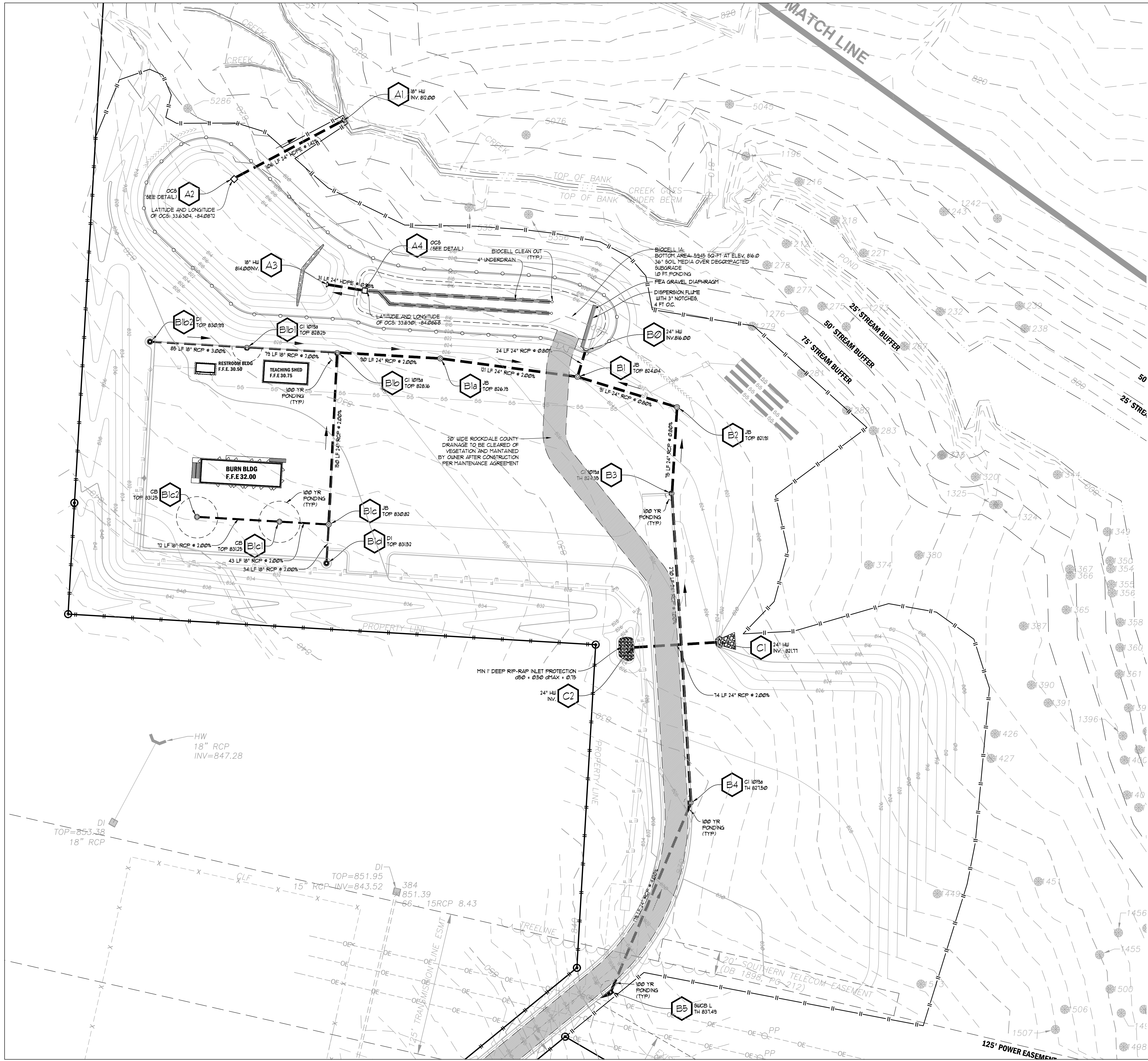
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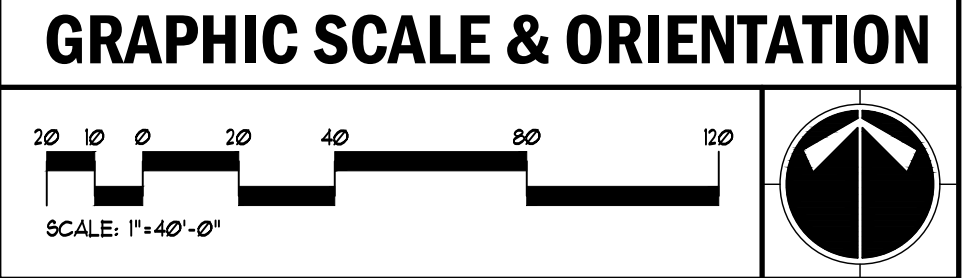
**NOTE:**

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

CONTRACTOR SHALL CONSTRUCT THE DETENTION BASIN WITHIN \_\_\_\_\_ 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** ④

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



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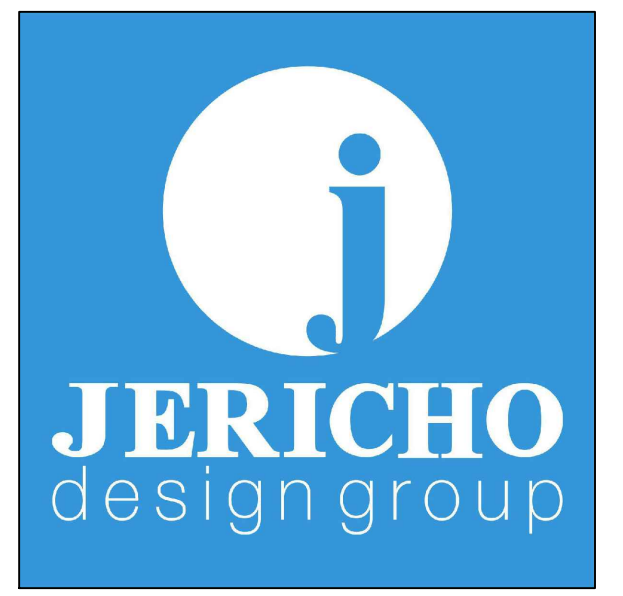
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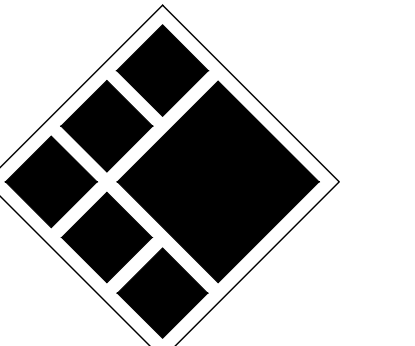
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LAND LOTS 213 & 236, 11TH DISTRICT  
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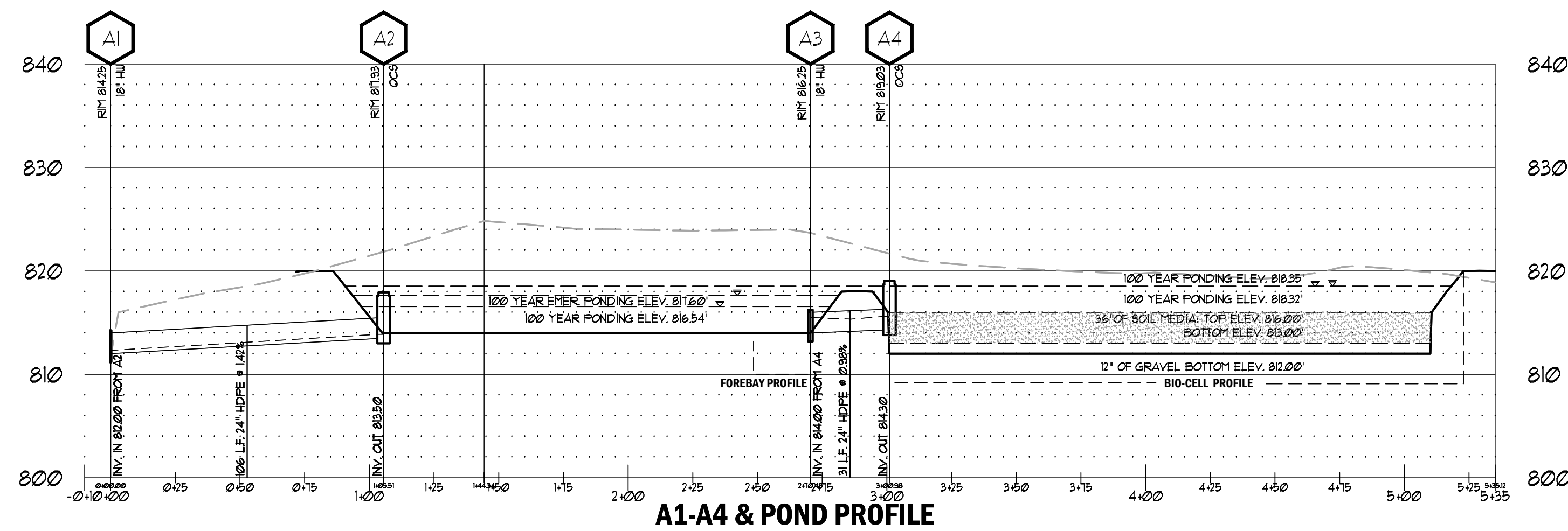
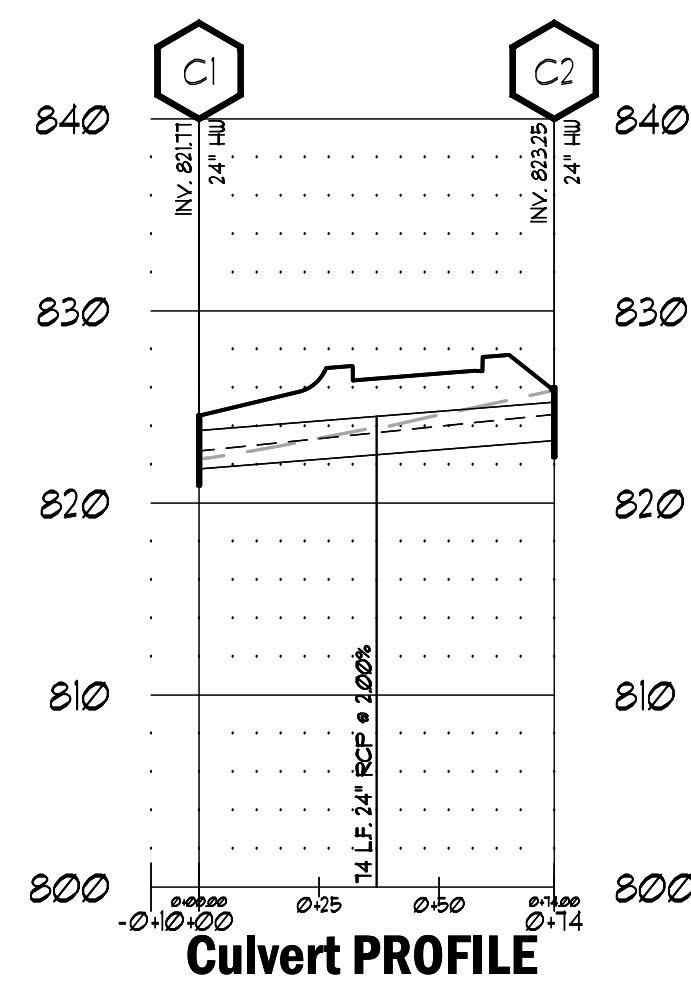
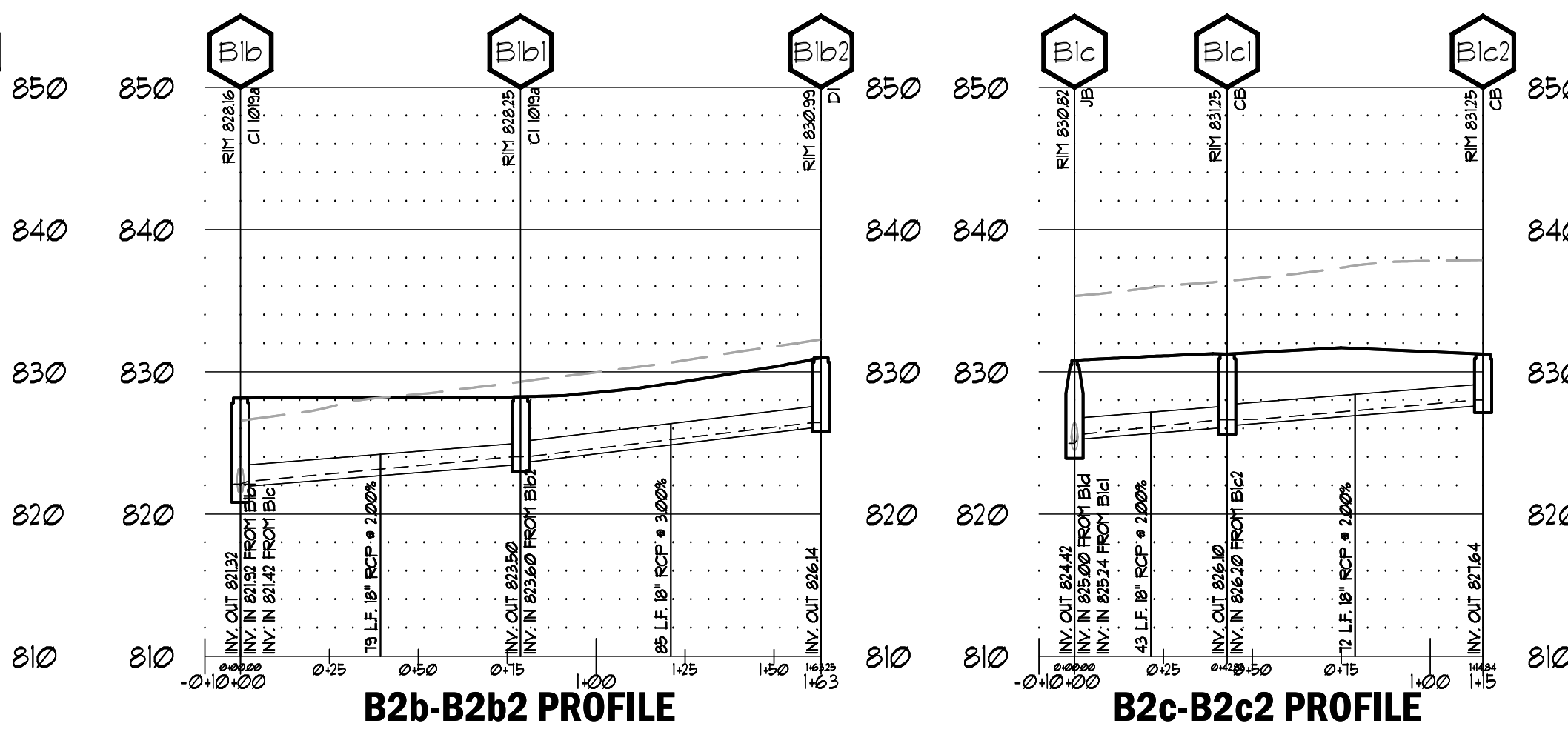
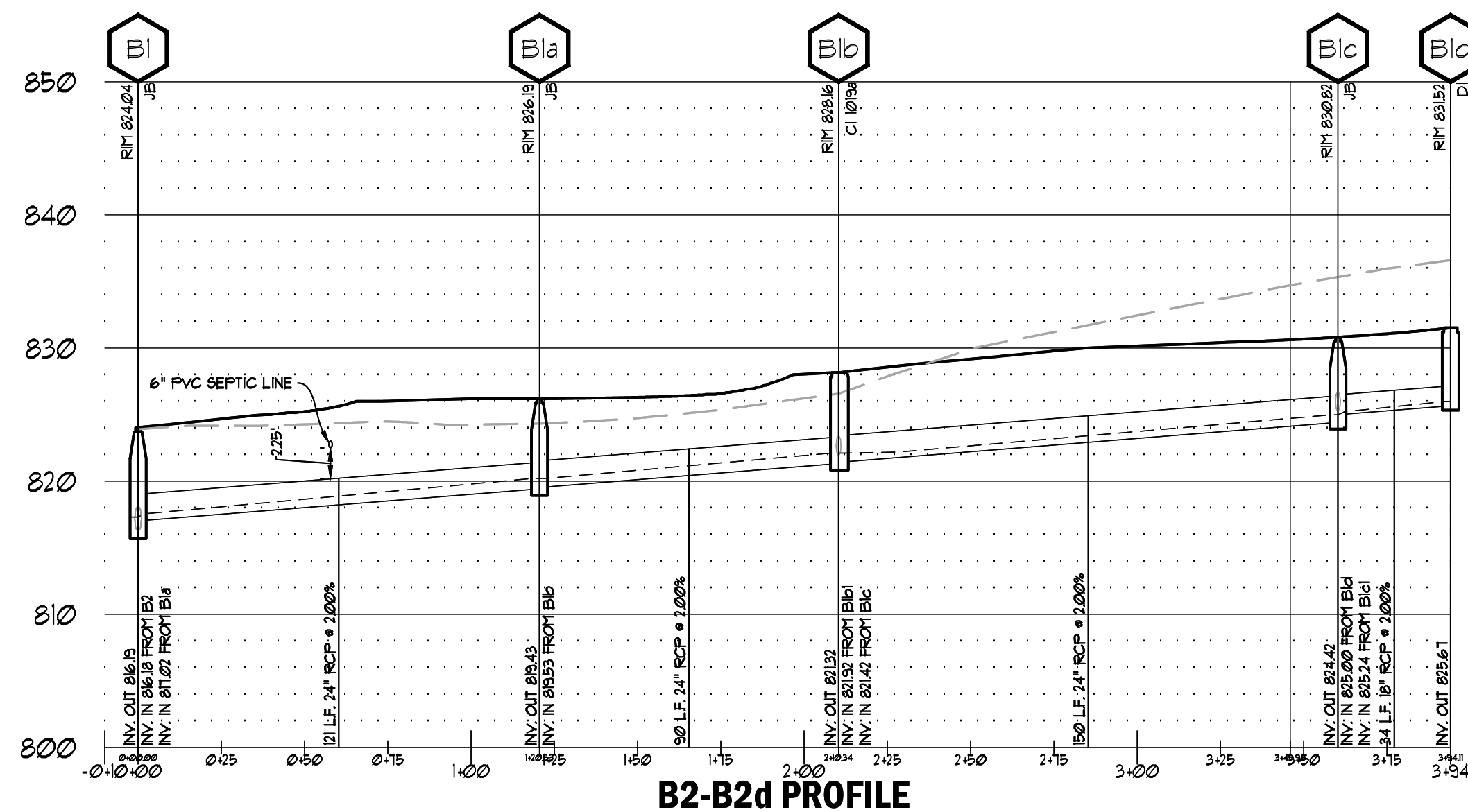
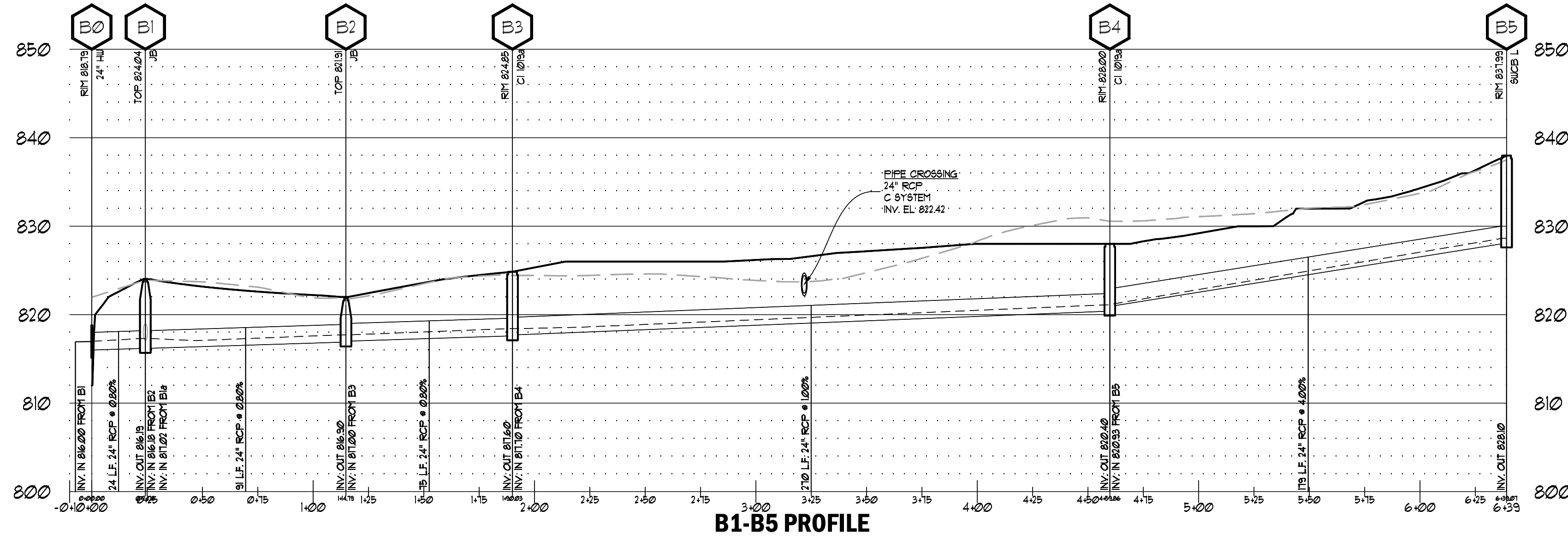
Sheet Title: **STORM DRAINAGE PLAN**

Sheet No.: **C-3.10**  
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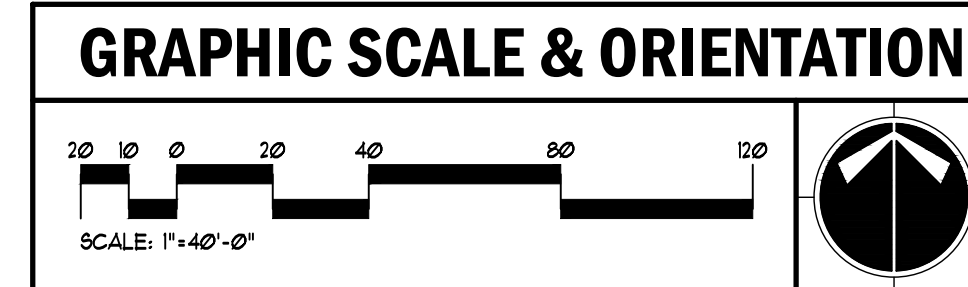
### PIPE PROFILE LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- 24" RCP
- DIP
- HDPE
- A872
- A913-5B
- PVC
- HW
- DI
- SUCB
- DUCEB
- CB
- BH
- W91A
- FES
- SES
- INV.
- HGL

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### 24-HOUR EROSION CONTACT

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



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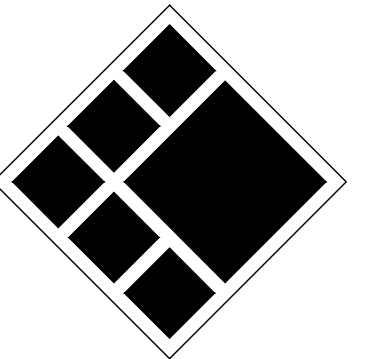
### BREEDLOVE LAND PLANNING, INC. PIPECHART

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	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	1.42	0.013	3.30	0.31	813.50	812.00	813.87	812.31	
	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
	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



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ROCKDALE COUNTY FIRE  
 TRAINING CAMPUS

ROCKDALE COUNTY BOARD OF  
 COMMISSIONERS

LAND LOTS 213 & 236, 11TH DISTRICT  
 ROCKDALE COUNTY, GEORGIA 30012

### PRINT RECORD

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

Sheet Title

PIPE PROFILES

Sheet No.

C-3.20

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Table with 4 columns: Plan, Included, Y/N, and Description. Title: EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST. 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: ANDREW.HAMMER@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.

INSPECTION & RECORD KEEPING (continued). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT.

REPORTING OF SAMPLING (continued). THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART I.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD.

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

PLAN SUBMITTAL SUMMARY. DESCRIPTION: INITIAL SUBMITTAL DATE: 01/31/2023, DATE: 03/07/2023, ENTITY REQUESTING REVISION: ROCKDALE COUNTY.

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

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.

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

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

SAMPLING FREQUENCY (continued). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW.

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.

PROJECT RECEIVING WATERS. INITIAL PROJECT RECEIVING WATERS: UNNAMED TRIBUTARY OF HONEY CREEK RECEIVING WATERS SUPPORT.

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.

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.

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.

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.

Table with 3 columns: SURFACE WATER DRAINAGE AREA (sq. miles), SURFACE WATER DRAINAGE AREA (sq. square miles), TYPE OF RECEIVING WATER. Includes Appendix B NTU Tables.

PROJECT RECEIVING WATERS (continued). SUMMARY OF NEIGHBORING AREAS AND PROJECT EFFECTS: POST-DEVELOPED RUNOFF FROM THE PROJECT SITE WILL BE MINIMALLY CHANGED BY THE PROPOSED DEVELOPMENT.

CONSTR. MATERIAL STORAGE (continued). PRODUCTS TO BE STORED IN LOCATIONS WHICH ARE PROTECTED DOWNDRAIN BY BMP'S INCLUDED ON THE EROSION PLAN PRIOR TO DISCHARGE FROM THE CONSTRUCTION SITE.

SAMPLING FREQUENCY (continued). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW.

Table with 3 columns: SURFACE WATER DRAINAGE AREA (sq. miles), SURFACE WATER DRAINAGE AREA (sq. square miles), TYPE OF RECEIVING WATER. Includes Appendix B NTU Tables.

INITIAL EROSION INSPECTION (continued). THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE (AND OPERATOR) WITHIN SEVEN (7) DAYS AND THE PERMITTEE (AND OPERATOR) MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

CONSTR. MATERIAL STORAGE (continued). PRODUCTS TO BE STORED IN LOCATIONS WHICH ARE PROTECTED DOWNDRAIN BY BMP'S INCLUDED ON THE EROSION PLAN PRIOR TO DISCHARGE FROM THE CONSTRUCTION SITE.

SAMPLING FREQUENCY (continued). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW.

Table with 3 columns: SURFACE WATER DRAINAGE AREA (sq. miles), SURFACE WATER DRAINAGE AREA (sq. square miles), TYPE OF RECEIVING WATER. Includes Appendix B NTU Tables.

STREAM BUFFERS (continued). 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.

CONSTR. MATERIAL STORAGE (continued). PRODUCTS TO BE STORED IN LOCATIONS WHICH ARE PROTECTED DOWNDRAIN BY BMP'S INCLUDED ON THE EROSION PLAN PRIOR TO DISCHARGE FROM THE CONSTRUCTION SITE.

SAMPLING FREQUENCY (continued). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW.

Table with 3 columns: SURFACE WATER DRAINAGE AREA (sq. miles), SURFACE WATER DRAINAGE AREA (sq. square miles), TYPE OF RECEIVING WATER. Includes Appendix B NTU Tables.

STREAM BUFFERS (continued). 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.

CONSTR. MATERIAL STORAGE (continued). PRODUCTS TO BE STORED IN LOCATIONS WHICH ARE PROTECTED DOWNDRAIN BY BMP'S INCLUDED ON THE EROSION PLAN PRIOR TO DISCHARGE FROM THE CONSTRUCTION SITE.

SAMPLING FREQUENCY (continued). THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW.

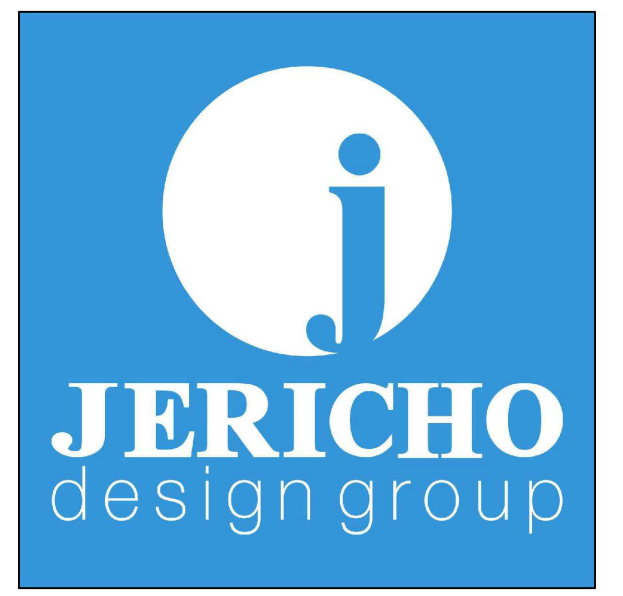
Table with 3 columns: SURFACE WATER DRAINAGE AREA (sq. miles), SURFACE WATER DRAINAGE AREA (sq. square miles), TYPE OF RECEIVING WATER. Includes Appendix B NTU Tables.

\*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the "checkbox" items would be N/A. Effective January 1, 2023

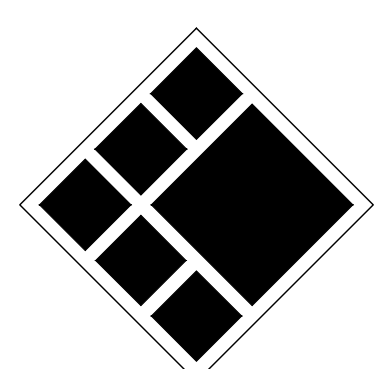
NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOW FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOW FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (A) AND (B) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOW FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

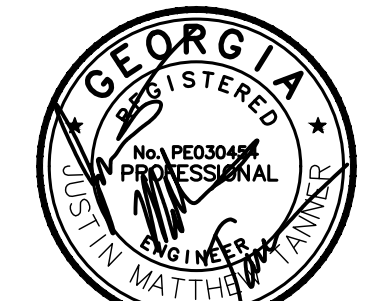


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BLP PROJ. NO. 22158



ROCKDALE COUNTY FIRE TRAINING CAMPUS. ROCKDALE COUNTY BOARD OF COMMISSIONERS. LAND LOTS 213 & 236, 11TH DISTRICT ROCKDALE COUNTY, GEORGIA 30012

Table with 3 columns: No., DATE, DESCRIPTION. Includes LDP SUBMITTAL and LDP RESUBMITTAL.

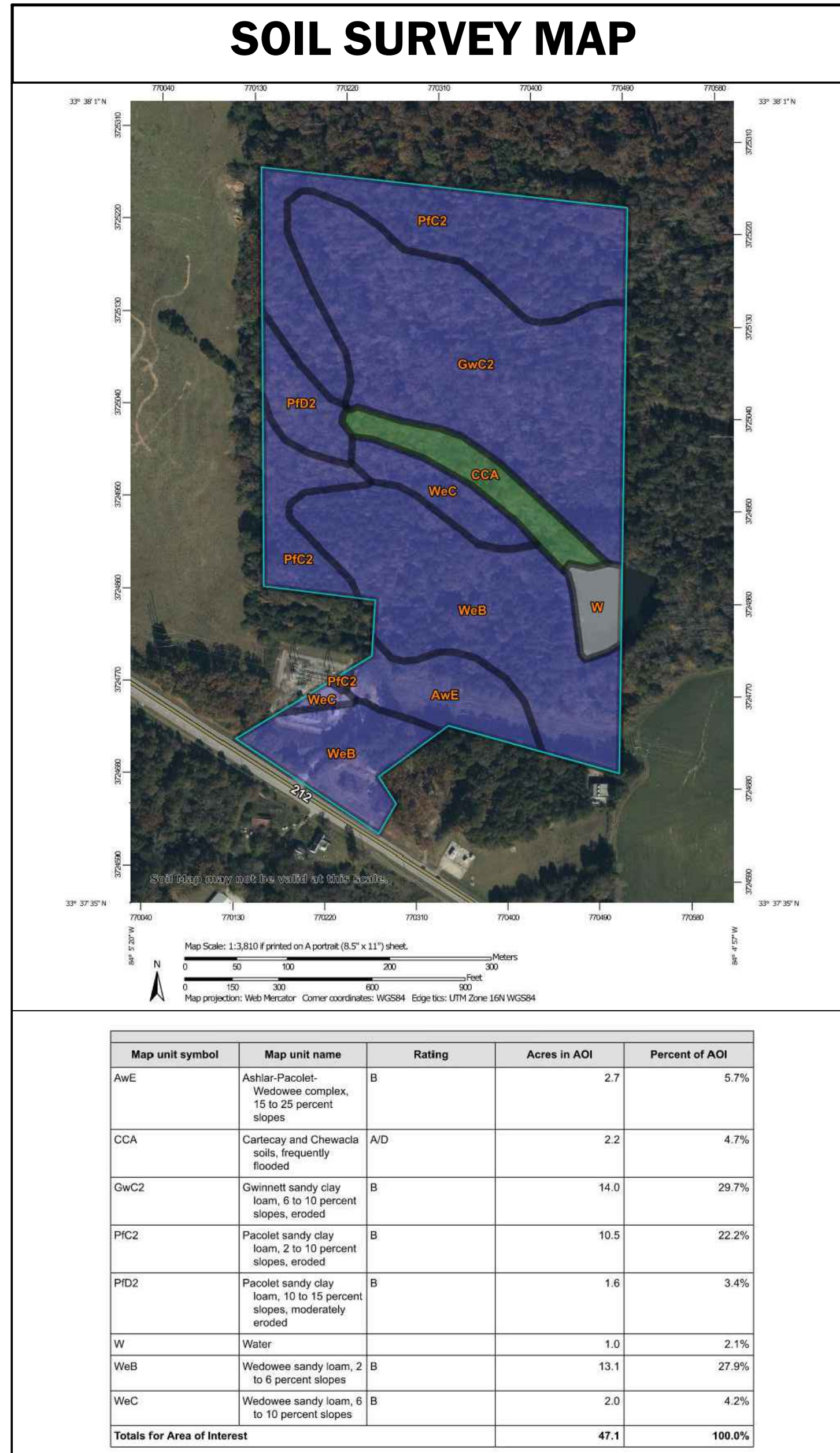
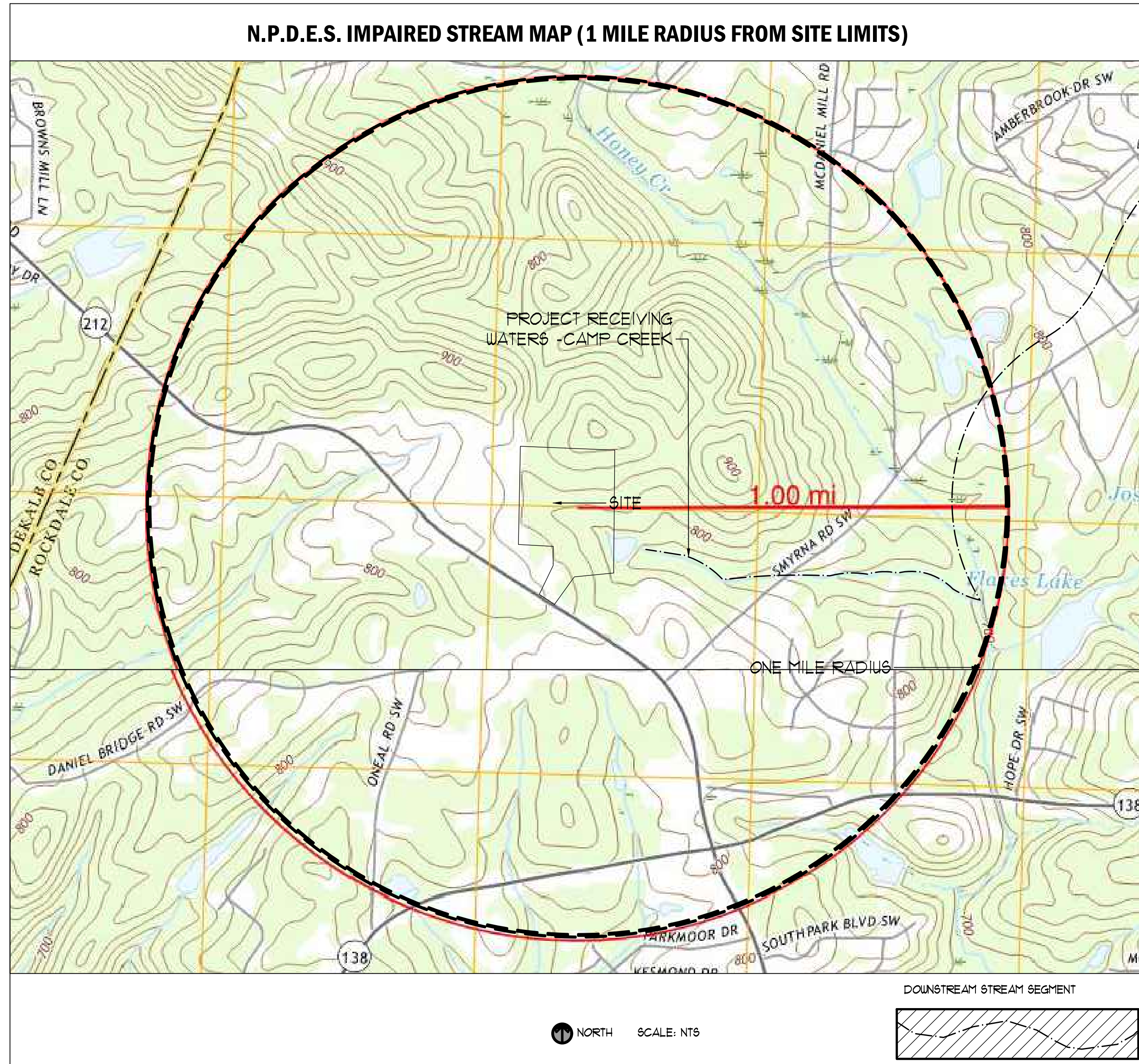
Drawn By: Author, Checked By: Checker, Date: 05/05/2023, Job No.: 22051

NPDES NOTES

Sheet No. C-4.00 NOT RELEASED FOR CONSTRUCTION



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

CODE	PRACTICE	MAP SYMBOL
Cd	CHECKDAM	[Symbol]
Ch	CHANNEL STABILIZATION	[Symbol]
Co	CONSTRUCTION EXIT	[Symbol]
Cr	CONSTRUCTION ROAD STABILIZATION	[Symbol]
Dc	STREAM DIVERSION CHANNEL	[Symbol]
Di	DIVERSION	[Symbol]
Dn1	TEMPORARY DOWNDRAIN STRUCTURE	[Symbol]
Dn2	PERMANENT DOWNDRAIN STRUCTURE	[Symbol]
Fr	FILTER RING	[Symbol]
Ga	GABION	[Symbol]
Gr	GRADE STABILIZATION STRUCTURE	[Symbol]
Lv	LEVEL SPREADER	[Symbol]
Rd	ROCK FILTER DAM	[Symbol]
Re	RETAINING WALL	[Symbol]
Rt	RETRO FITTING	[Symbol]
Sd1	SEDIMENT BARRIER	[Symbol]
Sd2	INLET SEDIMENT TRAP	[Symbol]
Sd3	TEMPORARY SEDIMENT BASIN	[Symbol]
Sd4	TEMPORARY SEDIMENT TRAP	[Symbol]
Sk	FLOATING SURFACE SKIMMER	[Symbol]
Spb	SEEP BERM	[Symbol]

CODE	PRACTICE	MAP SYMBOL
Sr	TEMPORARY STREAM CROSSING	[Symbol]
St	STORMDRAIN OUTLET PROTECTION	[Symbol]
Su	SURFACE ROUGHENING	[Symbol]
Tc	TURBIDITY CURTAIN	[Symbol]
Tp	TOPSOILING	[Symbol]
Tr	TREE PROTECTION	[Symbol]
Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE CHANNEL	[Symbol]

VEGETATIVE PRACTICES

CODE	PRACTICE	MAP SYMBOL
Bf	BUFFER ZONE	[Symbol]
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)	[Symbol]
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	[Symbol]
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)	[Symbol]
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	[Symbol]
Ds4	DISTURBED AREA STABILIZATION (SOONING)	[Symbol]
Du	DUST CONTROL ON DISTURBED AREAS	[Symbol]
Fl-Co	FLOCCULANTS AND COAGULANTS	[Symbol]
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)	[Symbol]
Ss	SLOPE STABILIZATION	[Symbol]
Tac	TACKIFIERS AND BINDERS	[Symbol]

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	
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 NOT 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 "Dirt It!" 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. ( <a href="https://epd.georgia.gov/erosion-and-settlement">https://epd.georgia.gov/erosion-and-settlement</a> )
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); secondary permittees, Section IV.D.4.b.(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 <a href="http://www.gaswcc.org">www.gaswcc.org</a> .)
N/A	NO	* This requirement is different for infrastructure projects. Certified personnel for primary permittees shall conduct inspections at least once every fourteen (14) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Section IV.D.4.a.(3)(a) - (c) of this permit.
N/A	NO	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 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, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT.

IF ANY STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES DISCHARGED INTO AN IMPAIRED STREAM SEGMENT THAT HAS BEEN LISTED FOR THE CRITERIA VIOLATED, BIO F (IMPAIRED FISH COMMUNITY) AND / OR BIO M (IMPAIRED MACROINVERTEBRATE COMMUNITY) WITHIN CATEGORY 4A, 4B, OR 5, AND THE POTENTIAL CAUSE IS EITHER NPI (NONPOINT SOURCE) OR UFI (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 I INCLUDED WITH THESE PLANS FOR FOUR (4) ADDITIONAL BMPs TO BE IMPLEMENTED WITH THIS PROJECT.

THE NEAREST IMPAIRED STREAM DOWNSTREAM OF THE PROJECT SITE IS THE 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.

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.

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

2. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.

3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHALL BE USED FOR COLLECTING SAMPLES. THE JARS SHALL BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.

4. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHALL BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS SHALL BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION. UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED, IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF THE SAMPLES IS NOT REQUIRED; SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.

5. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

c. SAMPLING POINTS

1. FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORMWATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES.

1a. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (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.

1b. 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) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.

1c. IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL CHANNEL(S).

1d. CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER CHANNEL.

1e. THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.

1f. THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.

1g. 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 PERENNIAL 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 TECHNIQUES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION).

1h. ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY AS TO ACCURATELY REFLECT WHETHER STORMWATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3, OR III.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: [Signature] DATE: 01-21-2023

CERTIFIED DESIGN PROFESSIONAL: JUSTIN TANNER  
GSWCC CERTIFICATION NO. LEVEL II: #000003448  
EXPIRATION DATE: 03-23-2024  
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

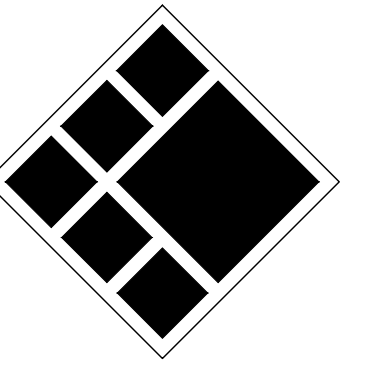
DO NOT BREAK OR DUPLICATE

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.



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Cumming, GA 30004



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BLP PROJ. NO. 22158



ROCKDALE COUNTY FIRE TRAINING CAMPUS

ROCKDALE COUNTY BOARD OF COMMISSIONERS

LAND LOTS 213 & 236, 11TH DISTRICT  
ROCKDALE COUNTY, GEORGIA 30012

PRINT RECORD

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

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

NPDES NOTES

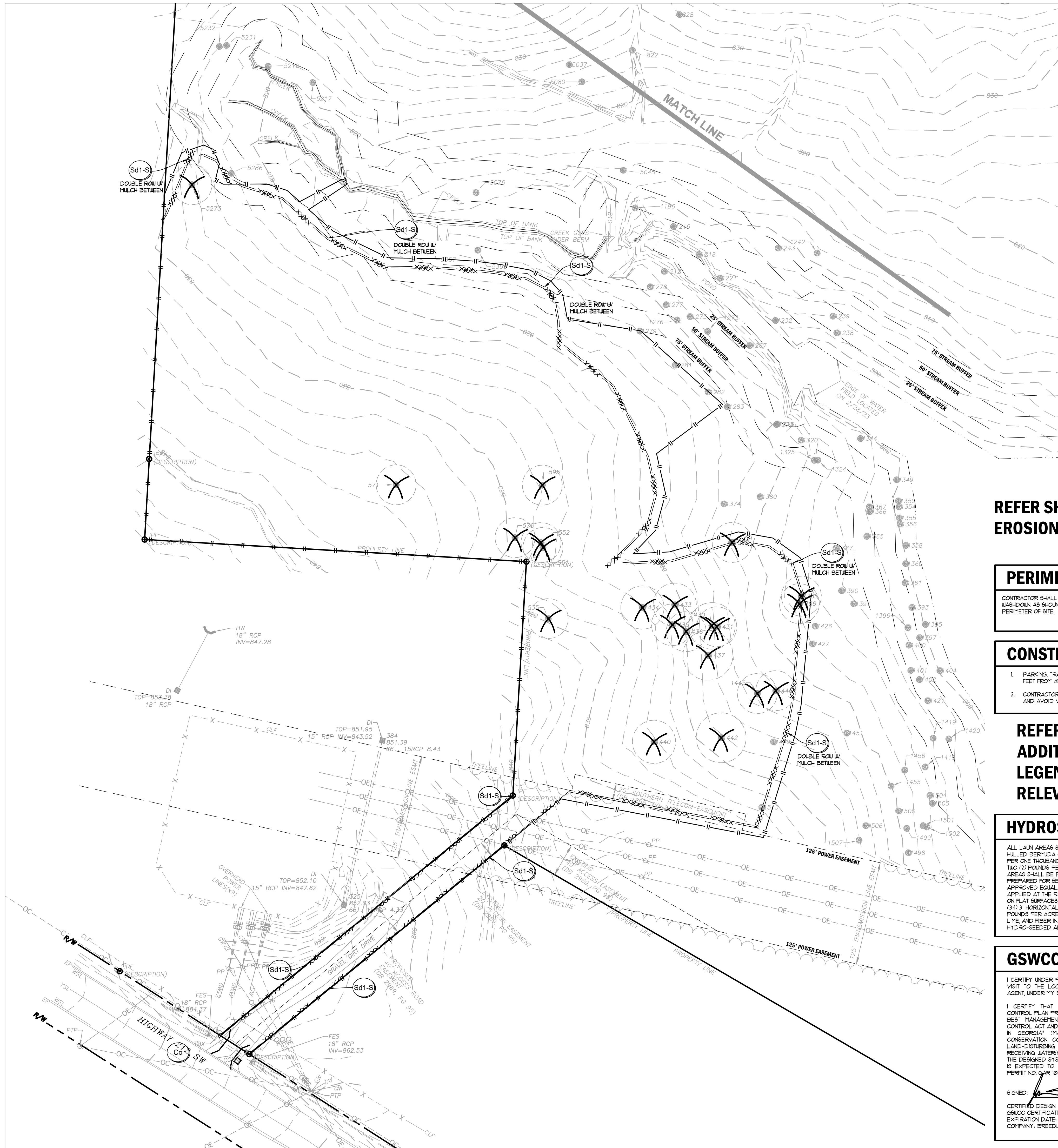
Sheet No.

C-4.05

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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) 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.

**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.

**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 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 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**

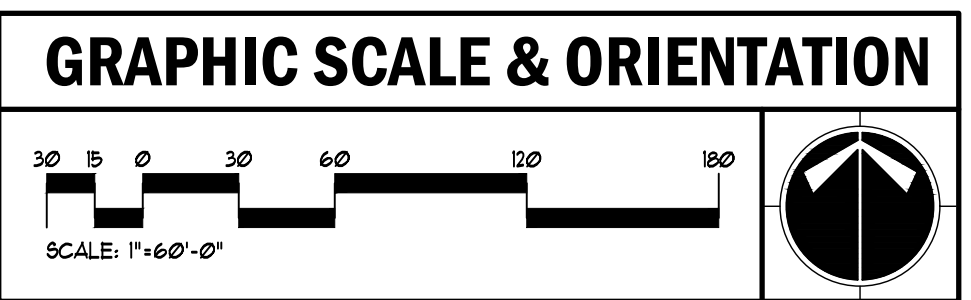
I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.

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. GA8 100001.

SIGNED: *Justin M Tanner*    DATE: 01-28-2023  
 CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER  
 GSWCC CERTIFICATION NO. LEVEL II \* 0000073449  
 EXPIRATION DATE: 03-23-2024  
 COMPANY: BREEDLOVE LAND PLANNING, INC.

**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.

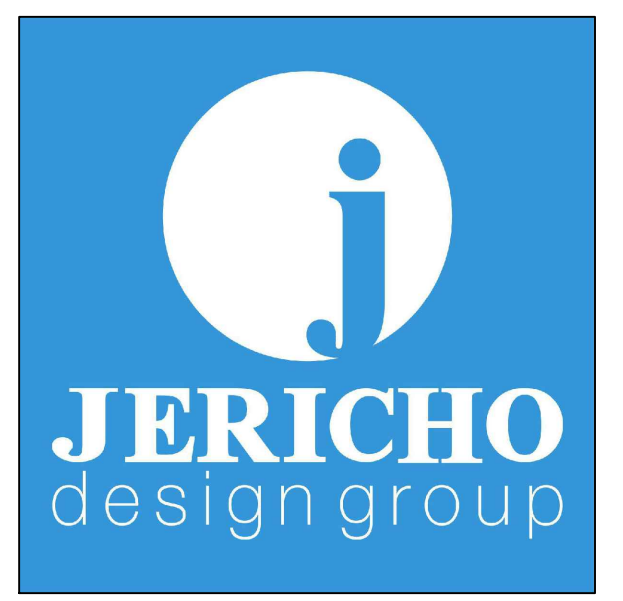
**CALL BEFORE YOU DIG**

**GEORGIA811**  
 www.Georgia811.com

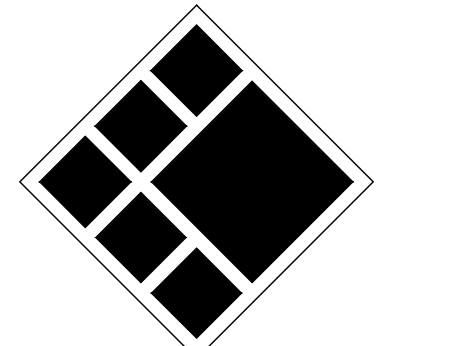
GEORGIA LAW MANDATES THAT BEFORE BEGINNING ANY MECHANIZED DIGGING OR EXCAVATION WORK, YOU MUST CONTACT GEORGIA 811 BY USING EREQUEST ON WWW.GEORGIA811.COM OR BY CALLING 811 OR 1-800-282-1411 AT LEAST 48 HOURS BUT NO MORE THAN 10 WORKING DAYS IN ADVANCE TO HAVE UTILITY LINES MARKED.

**DO NOT BREAK OR DUPLICATE**

- DO NOT DUPLICATE DRAWINGS WITHOUT PERMISSION.
- RENEW 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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 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



**ROCKDALE COUNTY FIRE TRAINING CAMPUS**

**ROCKDALE COUNTY BOARD OF COMMISSIONERS**

LAND LOTS 213 & 236, 11TH DISTRICT  
 ROCKDALE COUNTY, GEORGIA 30012

**PRINT RECORD**

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

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

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

Sheet No.: **C-4.10**  
 NOT RELEASED FOR CONSTRUCTION



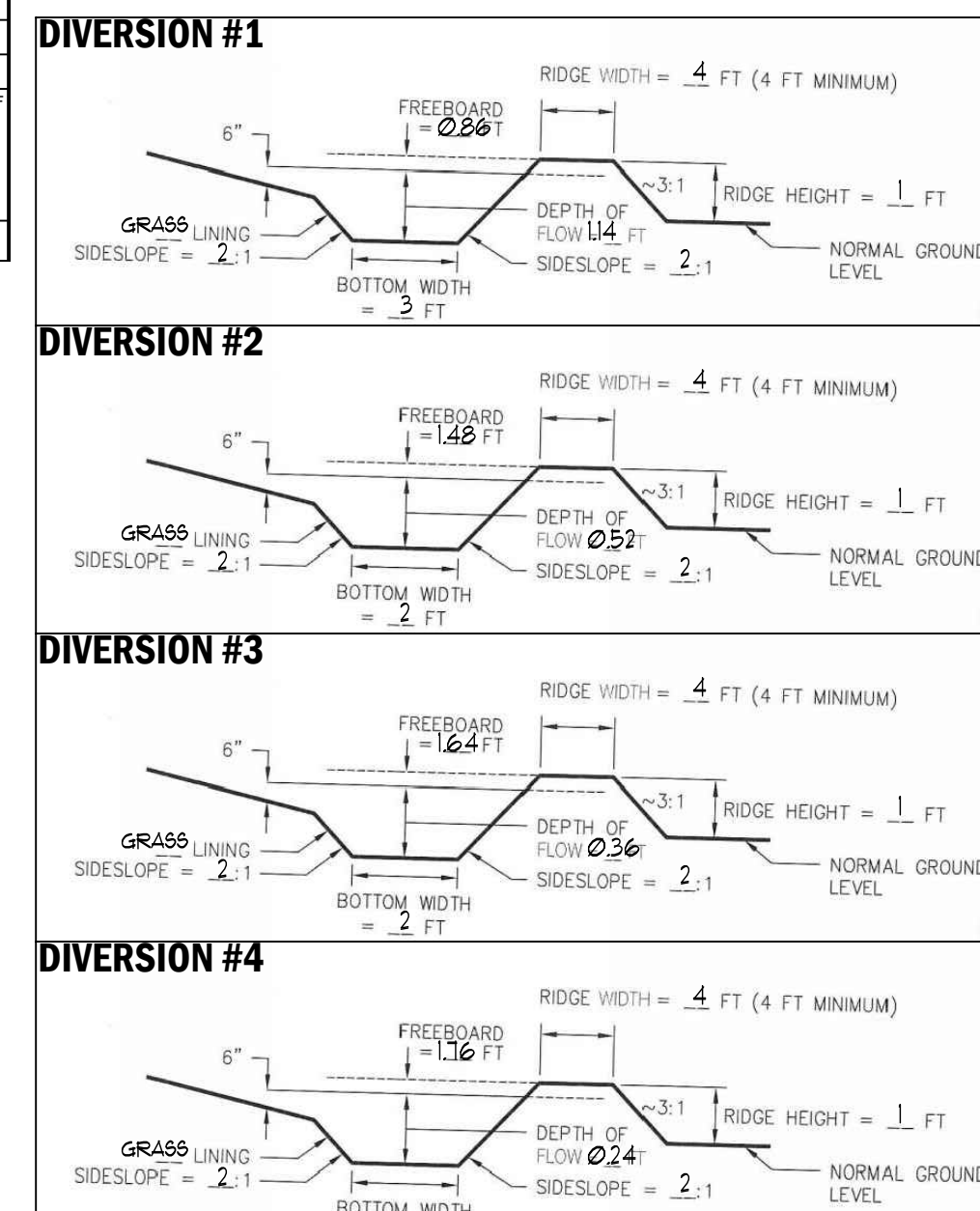
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Structural BMP: Rip Rap Outlet Protection (St)												
Structure	Diameter (in)	Q25 (cfs)	V25 (fps)	Yc (in)	Tailwater Condition	Figure	La (ft)	W <sub>1</sub> (ft)	W <sub>2</sub> (ft)	D50 (ft)	dMAX (ft)	D (ft)
A1	24	1.15	3.30	4.00	MINIMUM	6-34.1	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	2.00 833

**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 (ft)	Sed. Storage Height at silt fence (ft)	avg. back slope gradient (ft/ft)	Provided Volume (cu ft)	Required Volume ** (cu yd)	Required Volume > Required Volume? (Yes/No)	Provided Volume > Required Volume? (Yes/No)
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	1352.90	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 (Sd1-S, Ri-B, ETC. REFER TO PLAN).

**CONSTRUCTION STAGING**

- PARKING, TRAILERS, AND PORTABLE TOILETS SHALL BE NO CLOSER THAN 100 FEET FROM ANY PROPERTY LINE ADJACENT TO RESIDENTIAL LOTS.
- CONTRACTOR SHALL ORIENT CONSTRUCTION PARKING TO FACE EAST/WEST AND AVOID VEHICLE HEADLIGHTS SHINING TOWARD RESIDENTIAL LOTS.

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

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**GSWCC LEVEL II CERTIFICATIONS**

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SIGNED: *[Signature]* DATE: 01-29-2023

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER  
 GSWCC CERTIFICATION NO. LEVEL II \* 0000073449  
 EXPIRATION DATE: 03-31-2024  
 COMPANY: BREEDLOVE LAND PLANNING, INC.

**DISTURBED AREA**

TOTAL SITE AREA: 12.45 AC DISTURBED AREA: 8.15 AC

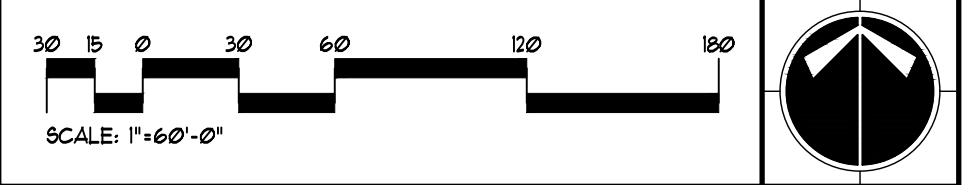
**GENERAL EROSION NOTES**

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**24-HOUR EROSION CONTACT**

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

**GRAPHIC SCALE & ORIENTATION**



**UTILITY LOCATION NOTES**

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**CALL BEFORE YOU DIG**



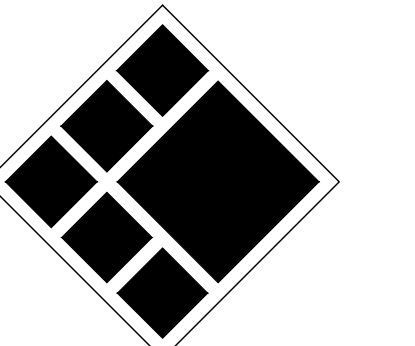
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208 Pirkle Ferry Road, Suite C  
 Cumming, GA 30004



**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**

LAND LOTS 213 & 236, 11TH DISTRICT  
 ROCKDALE COUNTY, GEORGIA 30012

**PRINT RECORD**

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

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

ES&PC PLAN - INITIAL PHASE

Sheet No.

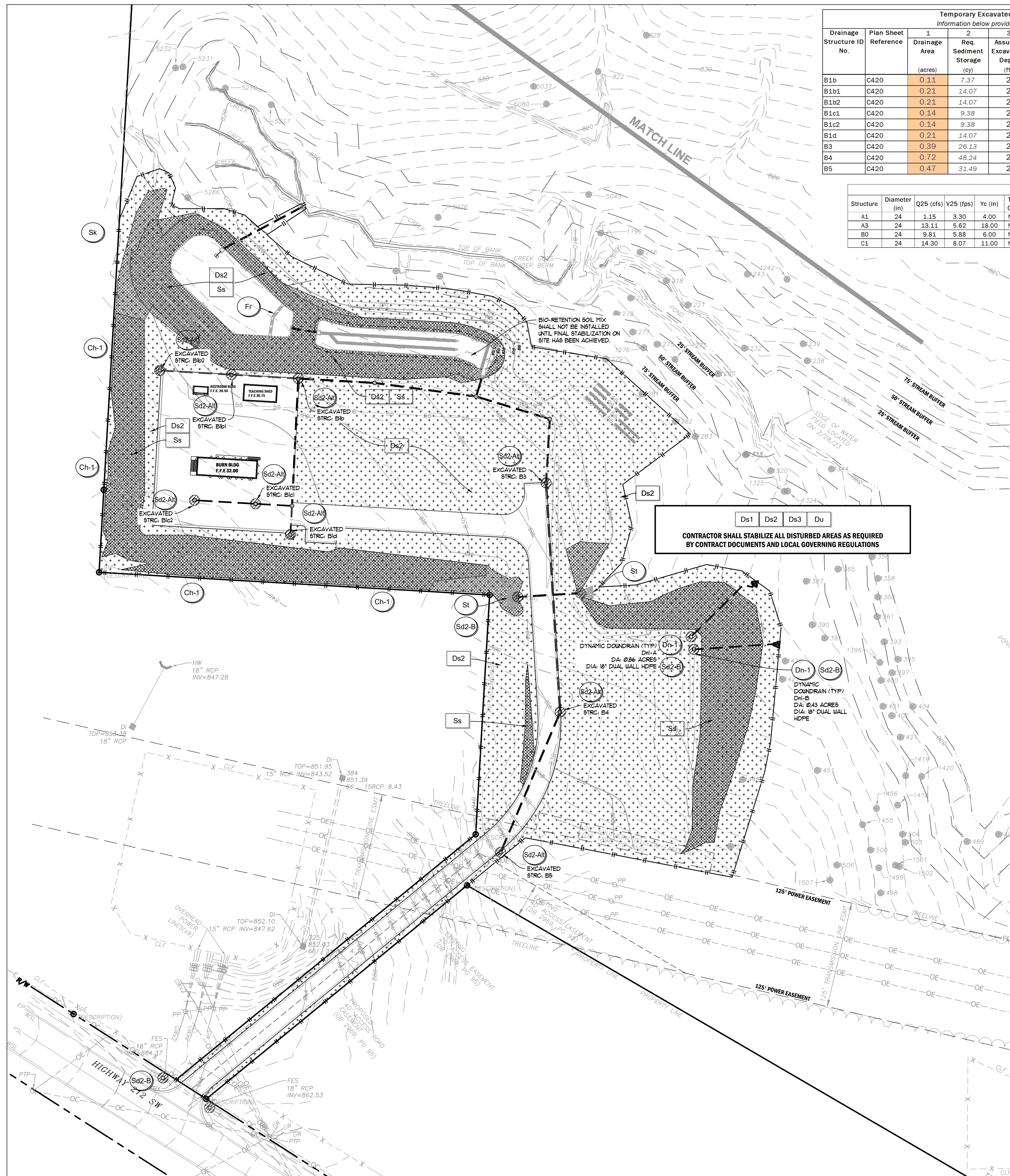
**C-4.20**

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5/5/2023 1:47:32 PM



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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)	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	5.62	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

CONTRACTOR SHALL STABILIZE ALL DISTURBED AREAS AS REQUIRED BY CONTRACT DOCUMENTS AND LOCAL GOVERNING REGULATIONS

**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.**

**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.

**CONSTRUCTION STAGING**

- PARKING, TRAILERS, AND PORTABLE TOILETS SHALL BE NO CLOSER THAN 100 FEET FROM ANY PROPERTY LINE 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, PROVIDED 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.

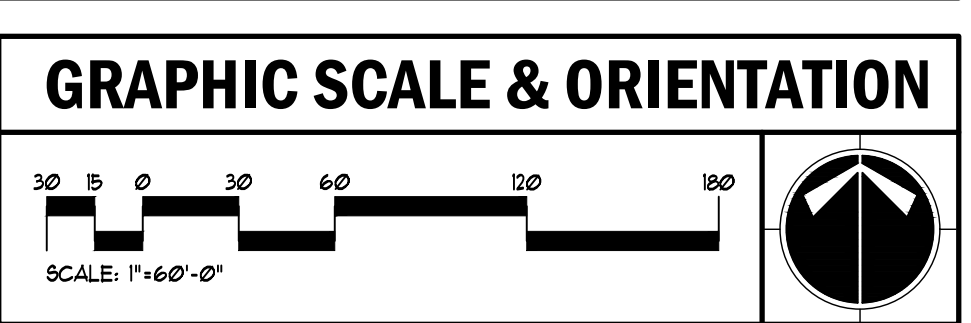
SIGNED: *Justin M Tanner* DATE: 01-29-2023  
 CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER  
 GSWCC CERTIFICATION NO. LEVEL II # 00000793448  
 EXPIRATION DATE: 03-31-2024  
 COMPANY: BREEDLOVE LAND PLANNING, INC.

**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 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.
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- 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



**UTILITY LOCATION NOTES**

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

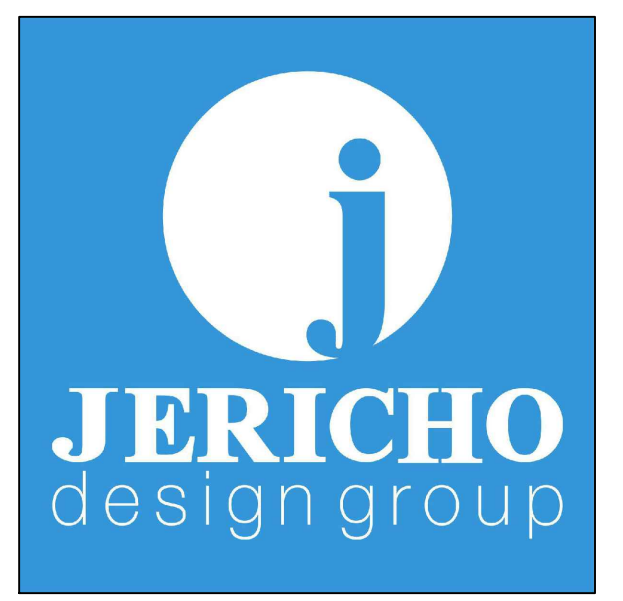
**CALL BEFORE YOU DIG**



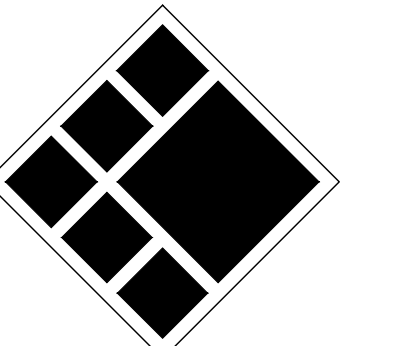
GEORGIA LAW MANDATES THAT BEFORE BEGINNING ANY MECHANIZED DIGGING OR EXCAVATION WORK YOU MUST CONTACT GEORGIA 811 BY USING EREQUEST ON WWW.GEORGIA811.COM OR BY CALLING 811 OR 1-800-282-1411 AT LEAST 48 HOURS BUT NO MORE THAN 10 WORKING DAYS IN ADVANCE TO HAVE UTILITY LINES MARKED.

**DO NOT BREAK OR DUPLICATE**

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- 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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BLP PROJ. NO. 22158



ROCKDALE COUNTY FIRE  
TRAINING CAMPUS

ROCKDALE COUNTY BOARD OF  
COMMISSIONERS

LAND LOTS 213 & 236, 11TH DISTRICT  
ROCKDALE COUNTY, GEORGIA 30012

**PRINT RECORD**

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

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

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

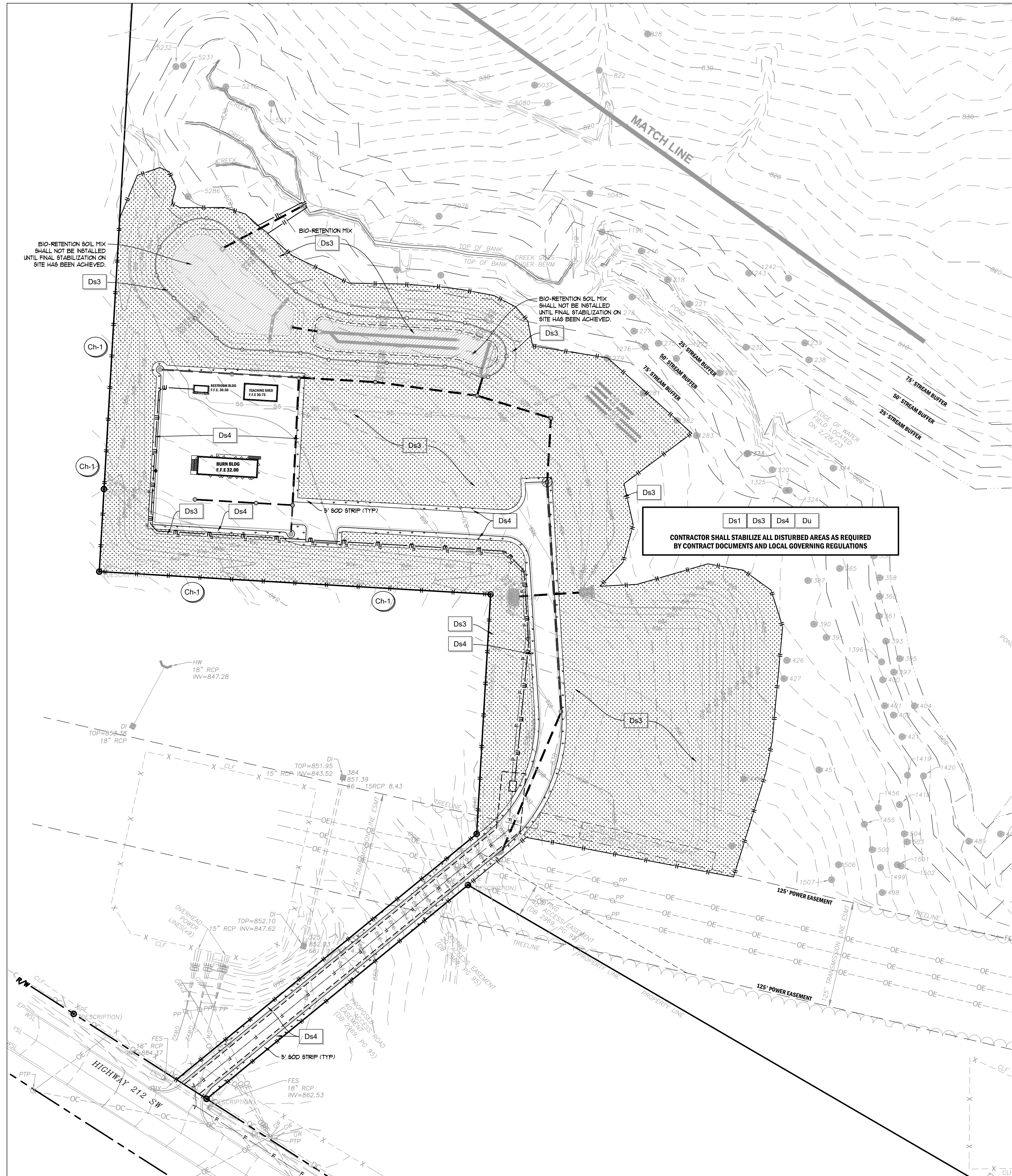
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**C-4.30**

NOT RELEASED FOR CONSTRUCTION



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Structure	Diameter (in)	Q25 (cfs)	V25 (fps)	Yc (in)	Tailwater Condition	Figure	La (ft)	W <sub>1</sub> (ft)	W <sub>2</sub> (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

**DISTURBED AREA**  
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**CONTRACTOR OPTION TO USE Ds3 IN LIEU OF Ds2 IN AREAS WHERE FINAL GRADE HAS BEEN ACHIEVED**  
**REFER SHEET C4.52 FOR ALL EROSION CALCULATIONS.**

**PERMANENT STABILIZATION LEGEND**

- Ds3** BIO-RETENTION GRASS WILDLIFLOWER MIX (BASIS OF DESIGN - SHOUT RAIN GARDEN MIX 161 ROUNDSTONE SEED CO. - 80% 1/2 PL IN FALL AND A 2ND 1/2 PL APPLICATION IN SPRING)
- Ds3** PERMANENT TURF BY HYDROSEEDING BERMUDA GRASS.
- Ds4** 90D - BERMUDA TRIWAY 419
- Ss** APPLY SLOPE STABILIZATION ON ALL SLOPES 3:1V 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 PERVIOUS AREAS OF DISTURBANCE NOT SHOWN TO BE SOODED OR MULCHED SHALL BE FREPPED PER TECHNICAL SPECS AND SEEDED WITH BERMUDA GRASS (Ds3). FINAL STABILIZATION SHALL MEAN MIN 10% 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.

**CONSTRUCTION STAGING**

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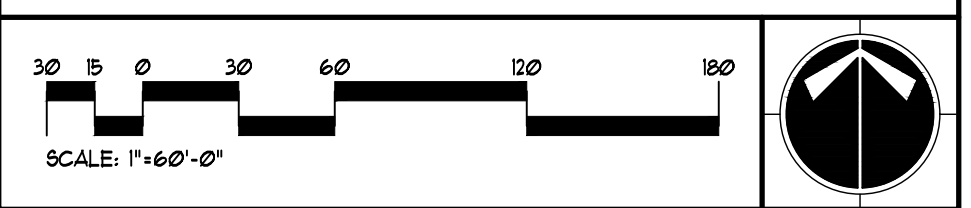
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 SIGNED: *[Signature]* DATE: 01-29-2023  
 CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER  
 GSWCC CERTIFICATION NO. LEVEL II \* 00000703449  
 EXPIRATION DATE: 03-23-2024  
 COMPANY: BREEDLOVE LAND PLANNING, INC.

**24-HOUR EROSION CONTACT**

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

**GRAPHIC SCALE & ORIENTATION**



**UTILITY LOCATION NOTES**

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**CALL BEFORE YOU DIG**



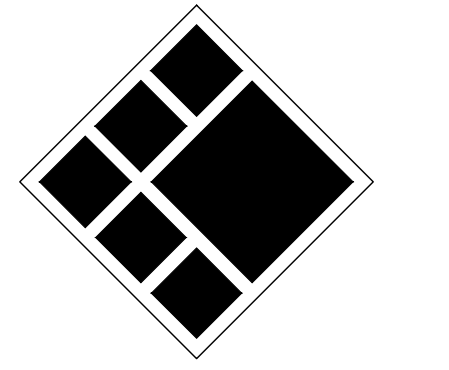
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208 Pirkle Ferry Road, Suite C  
 Cumming, GA 30040



**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**  
 LAND LOTS 213 & 236, 11TH DISTRICT  
 ROCKDALE COUNTY, GEORGIA 30012

**PRINT RECORD**

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

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

**ES&PC PLAN - FINAL PHASE**

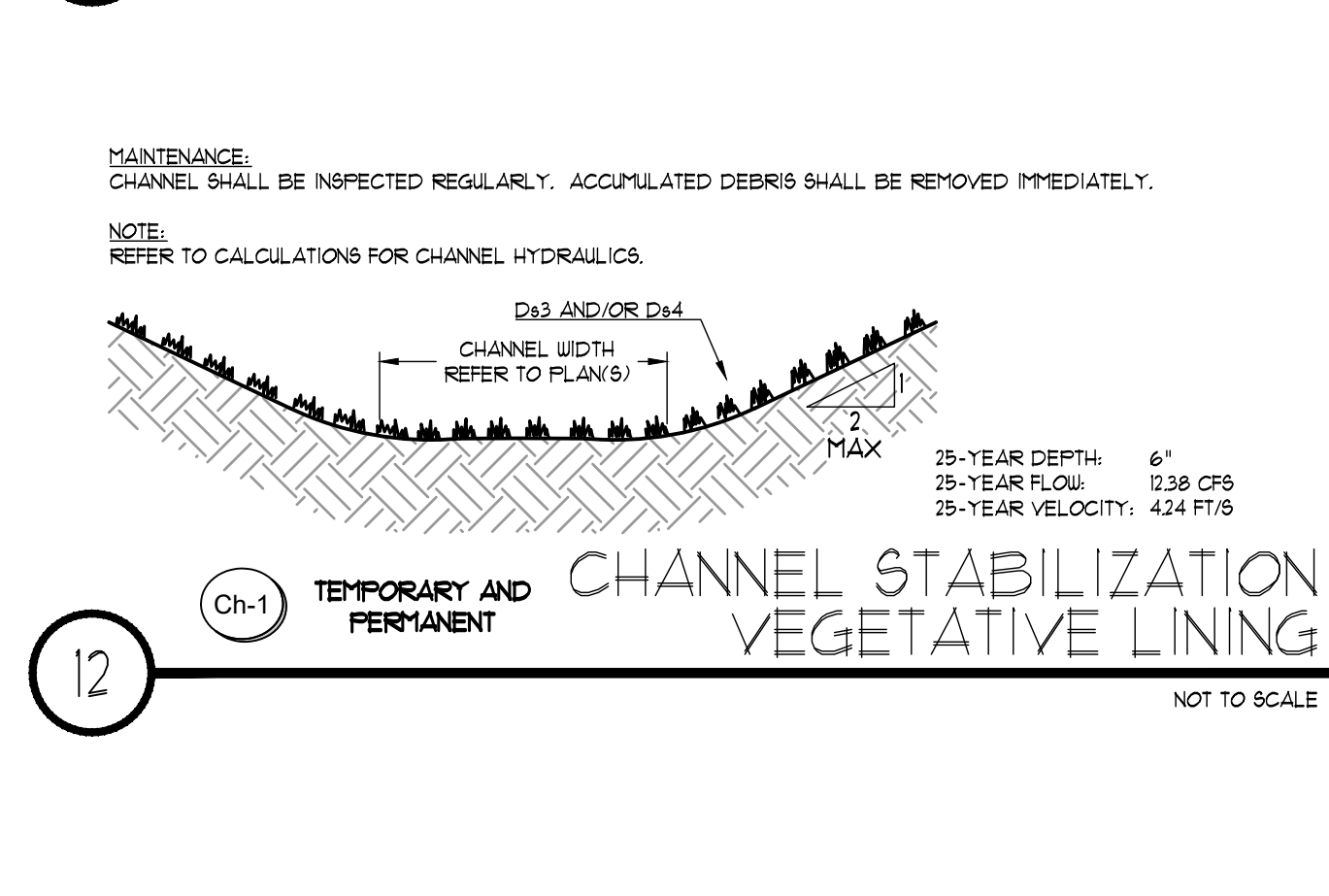
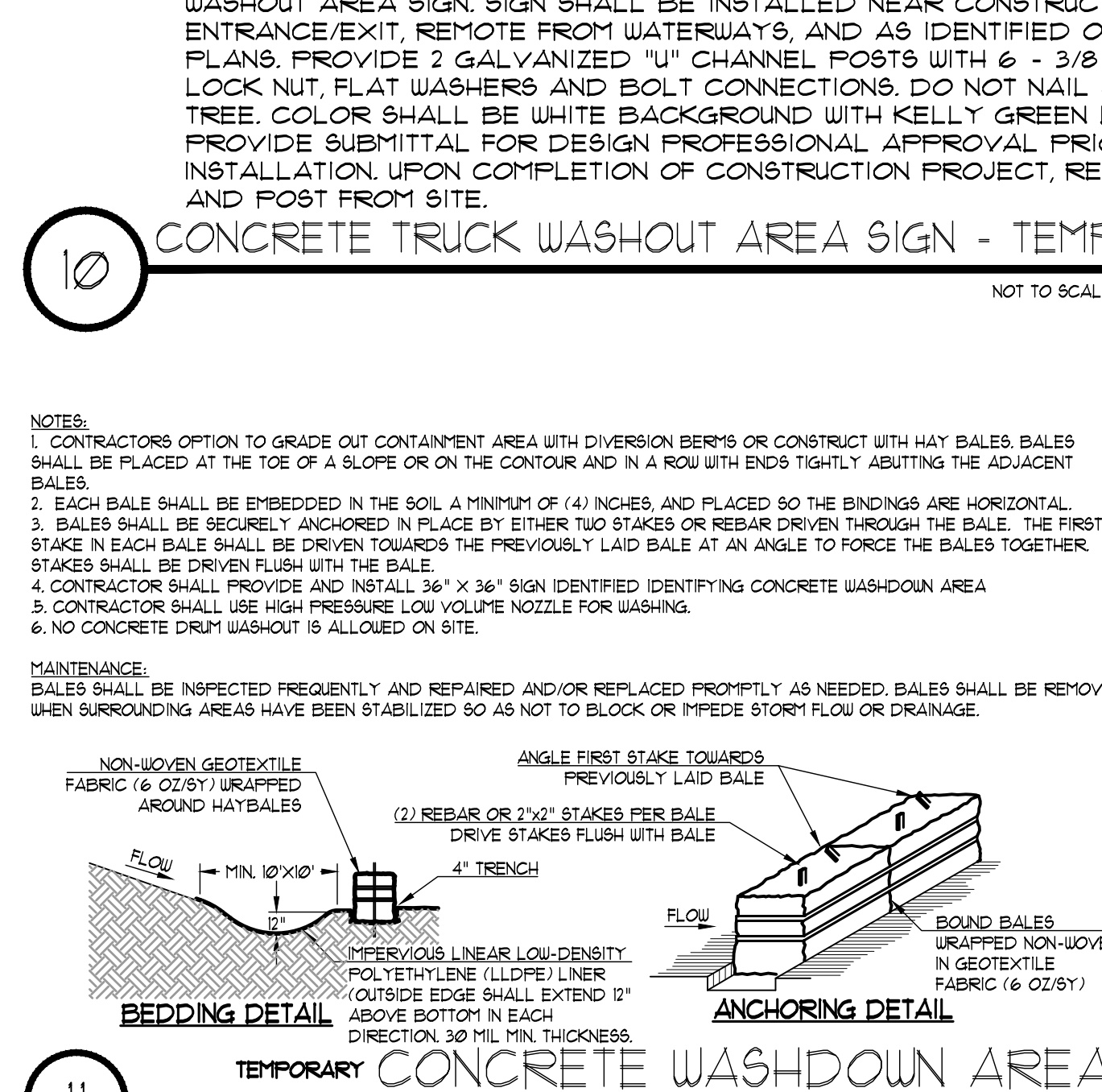
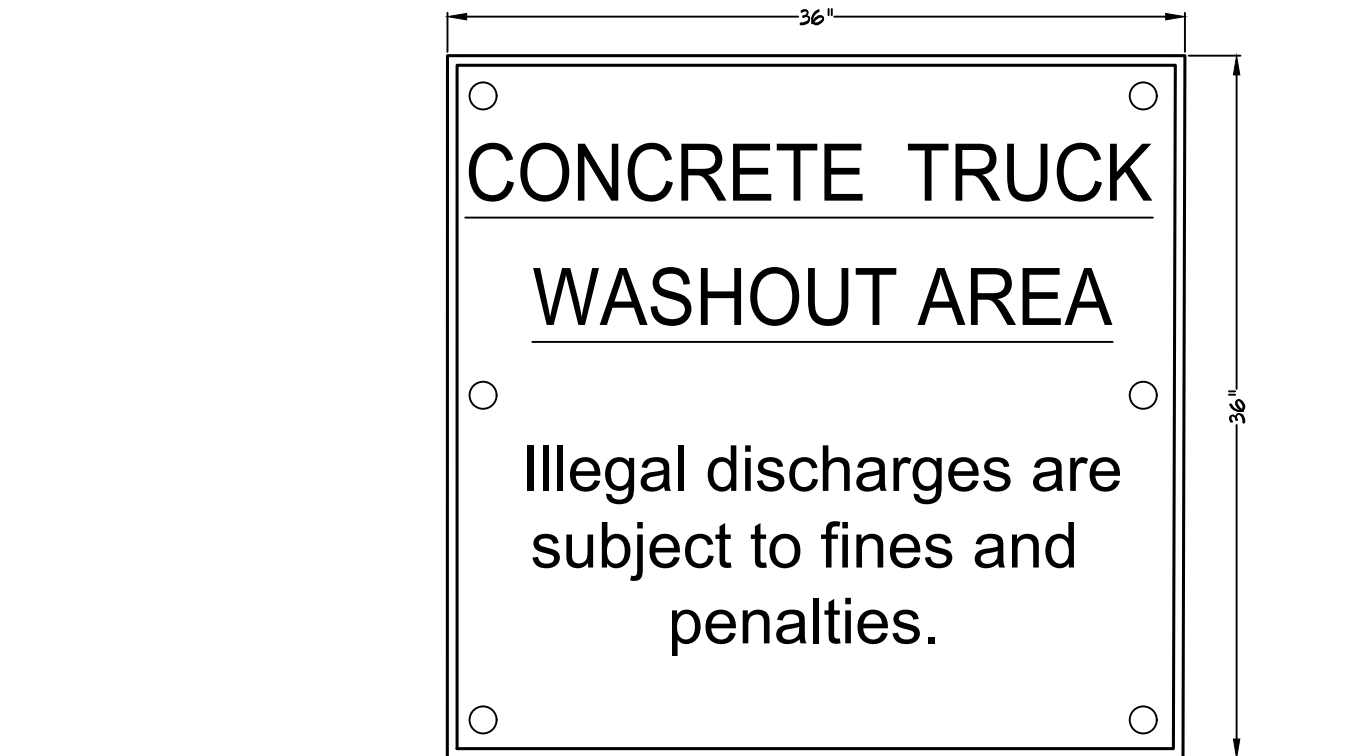
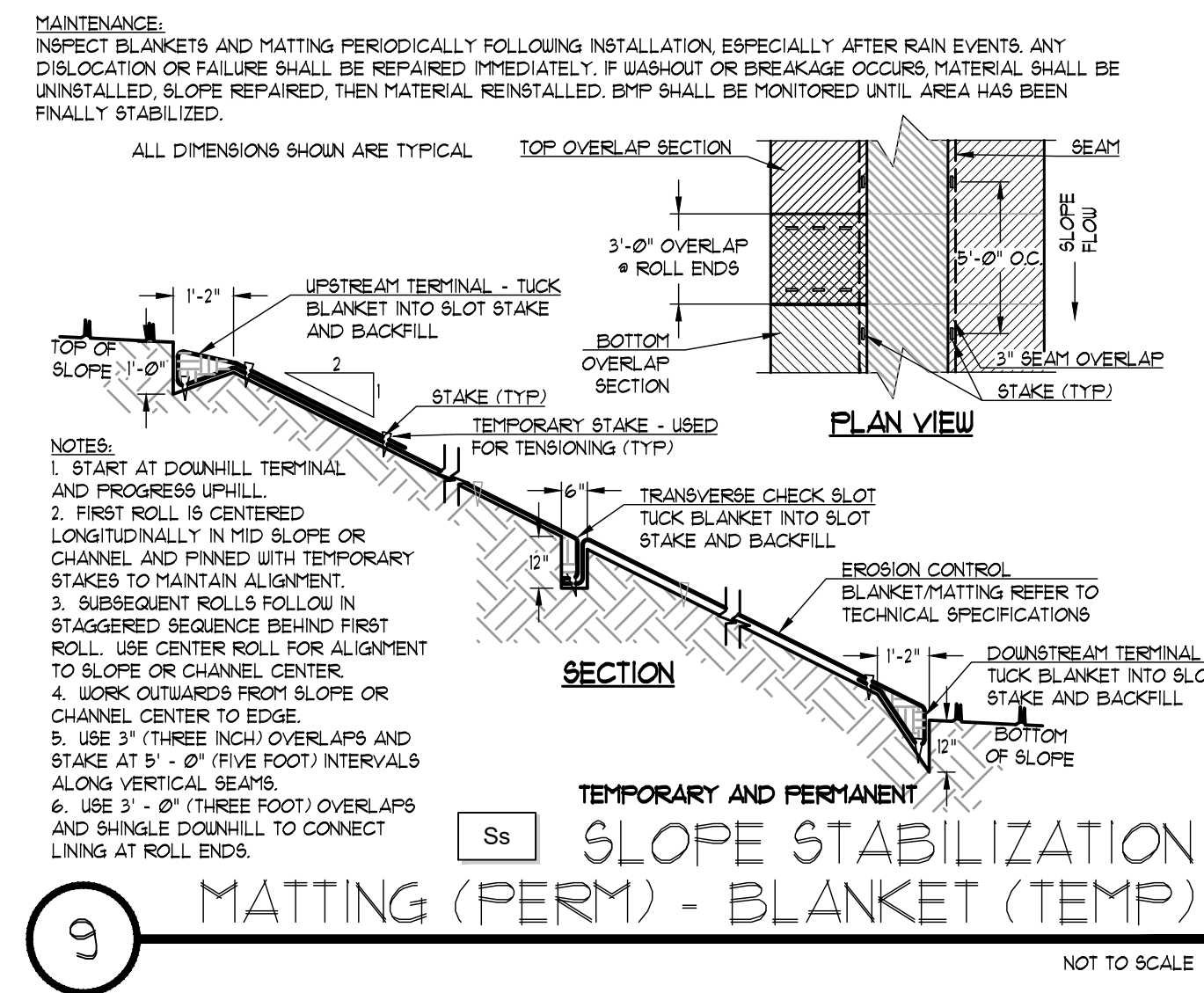
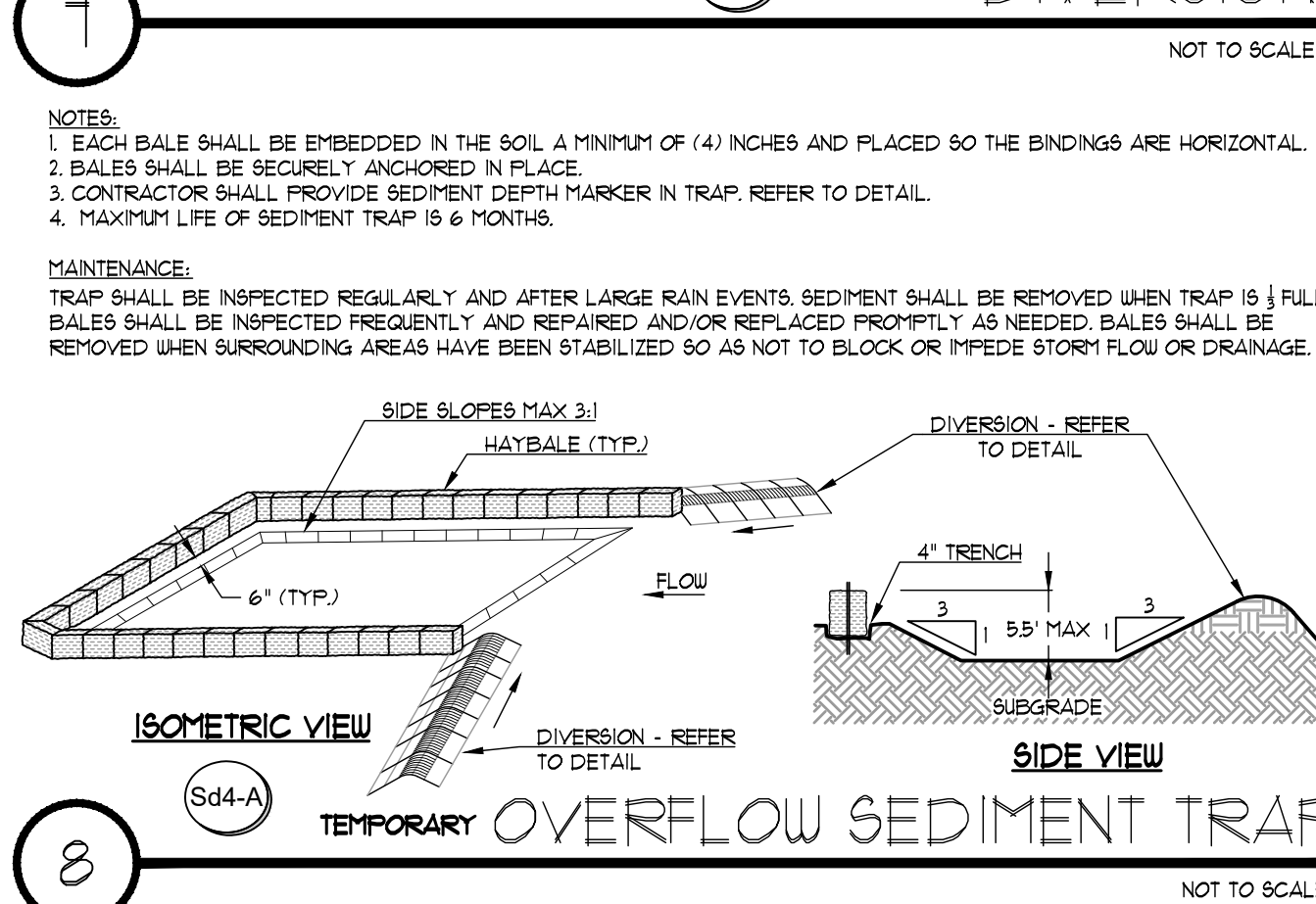
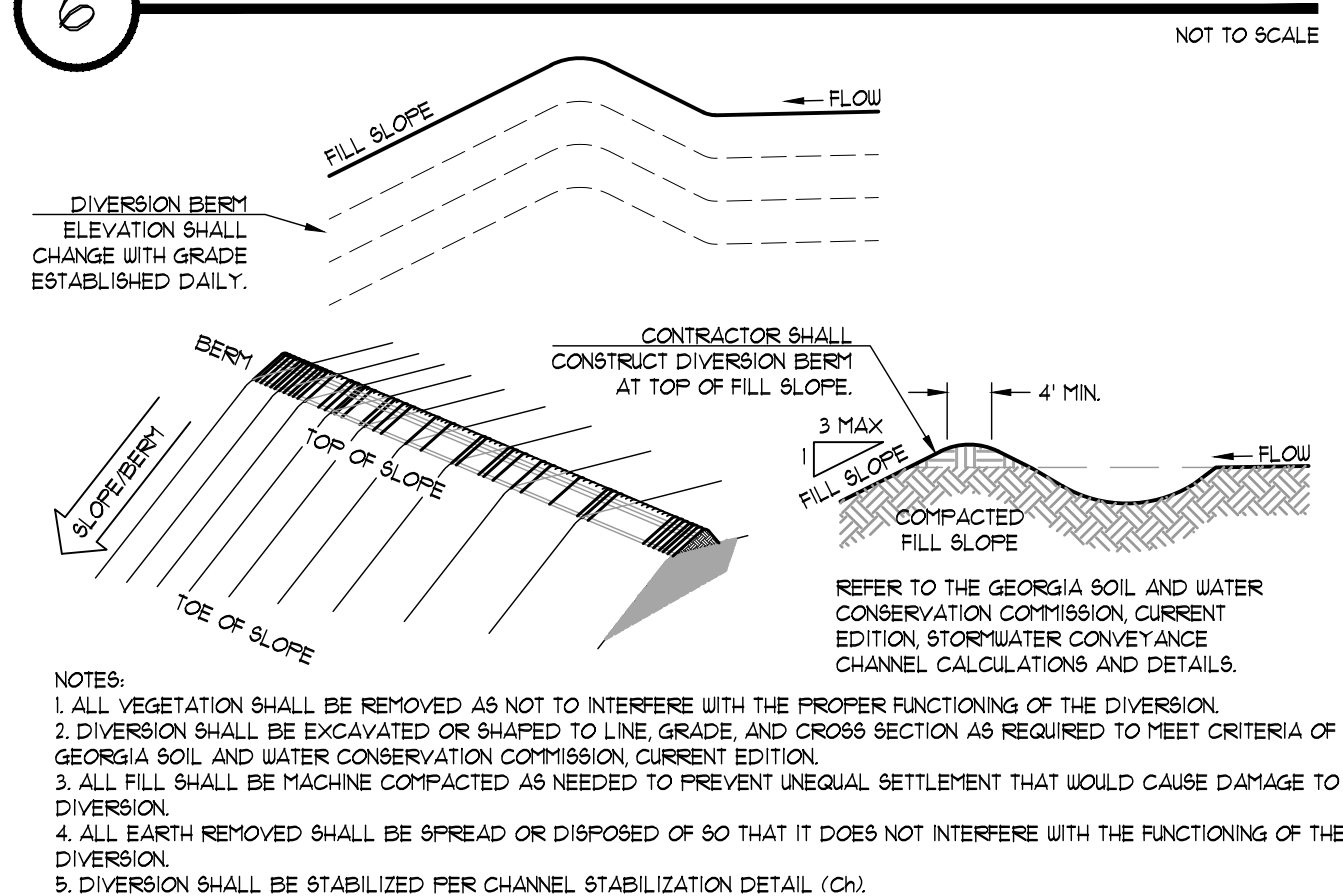
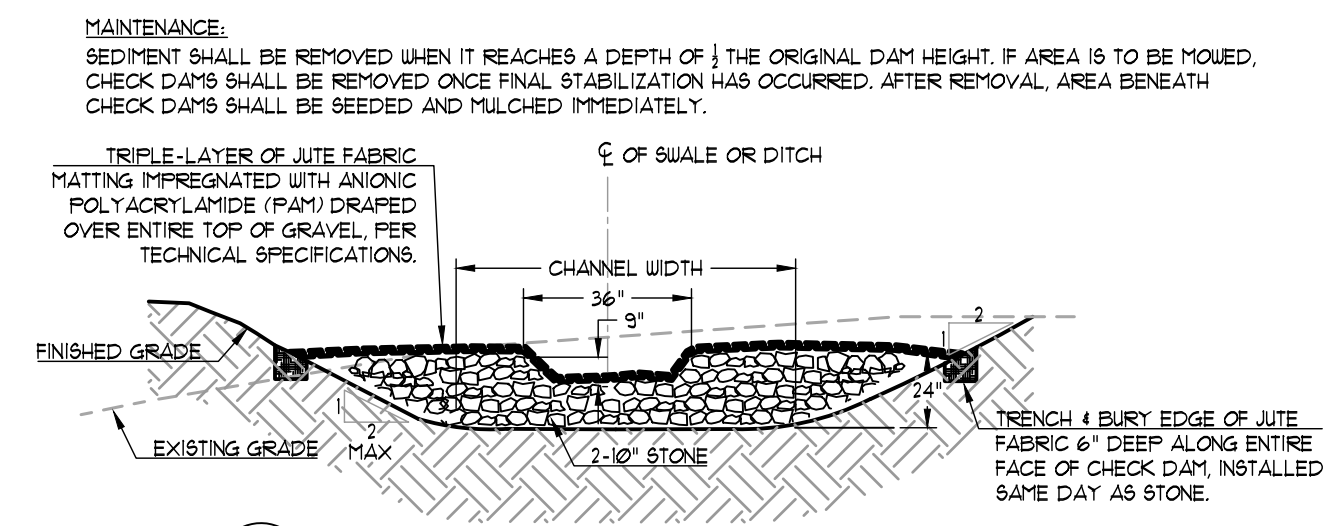
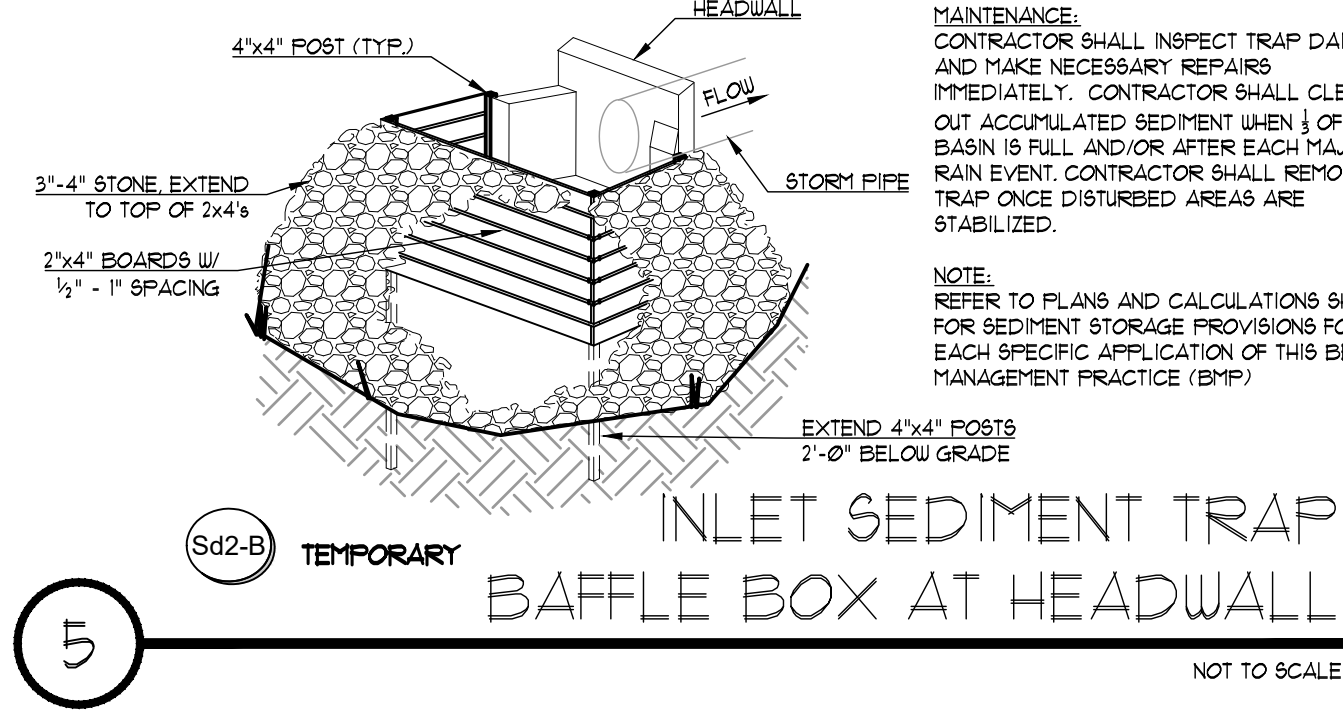
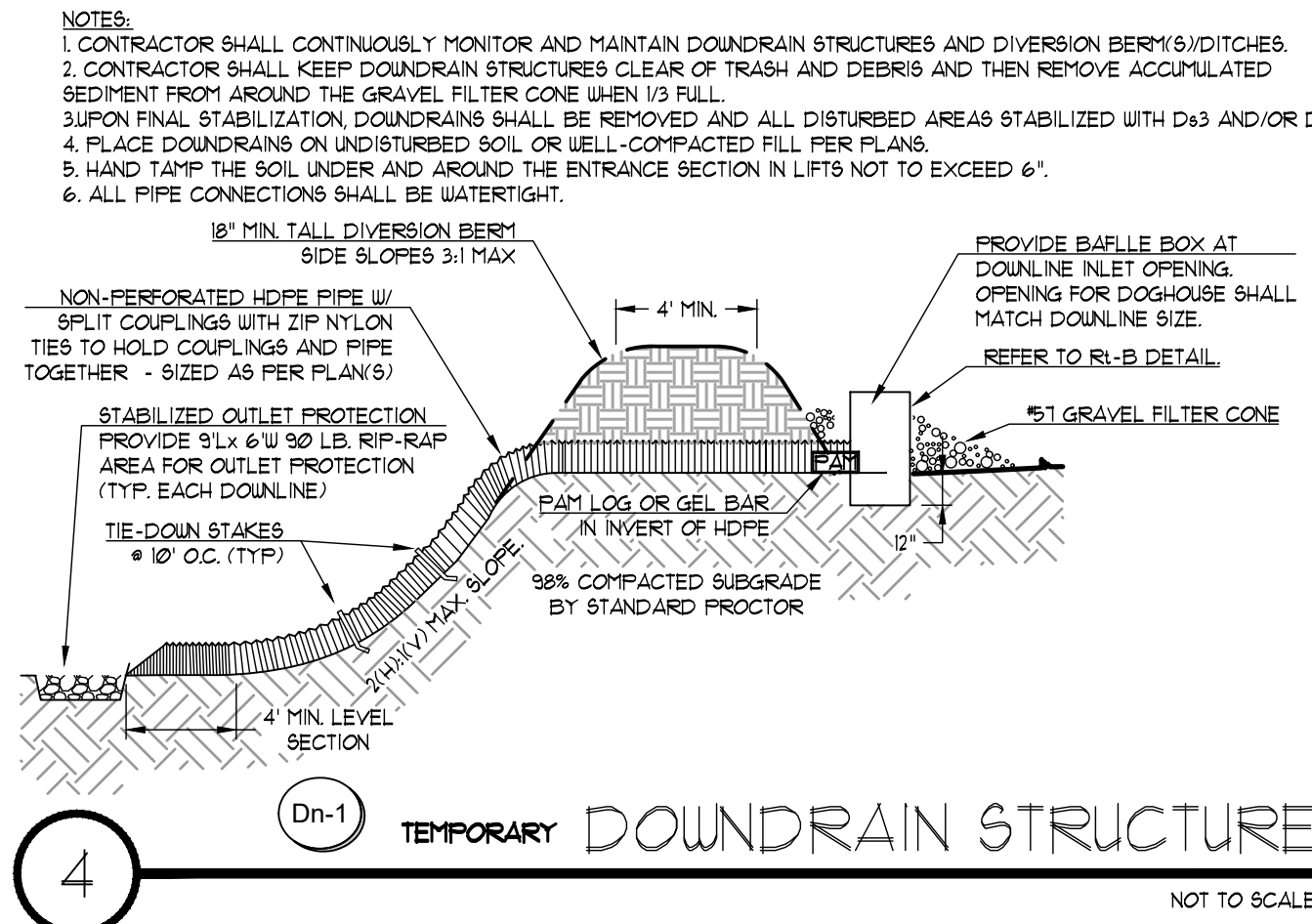
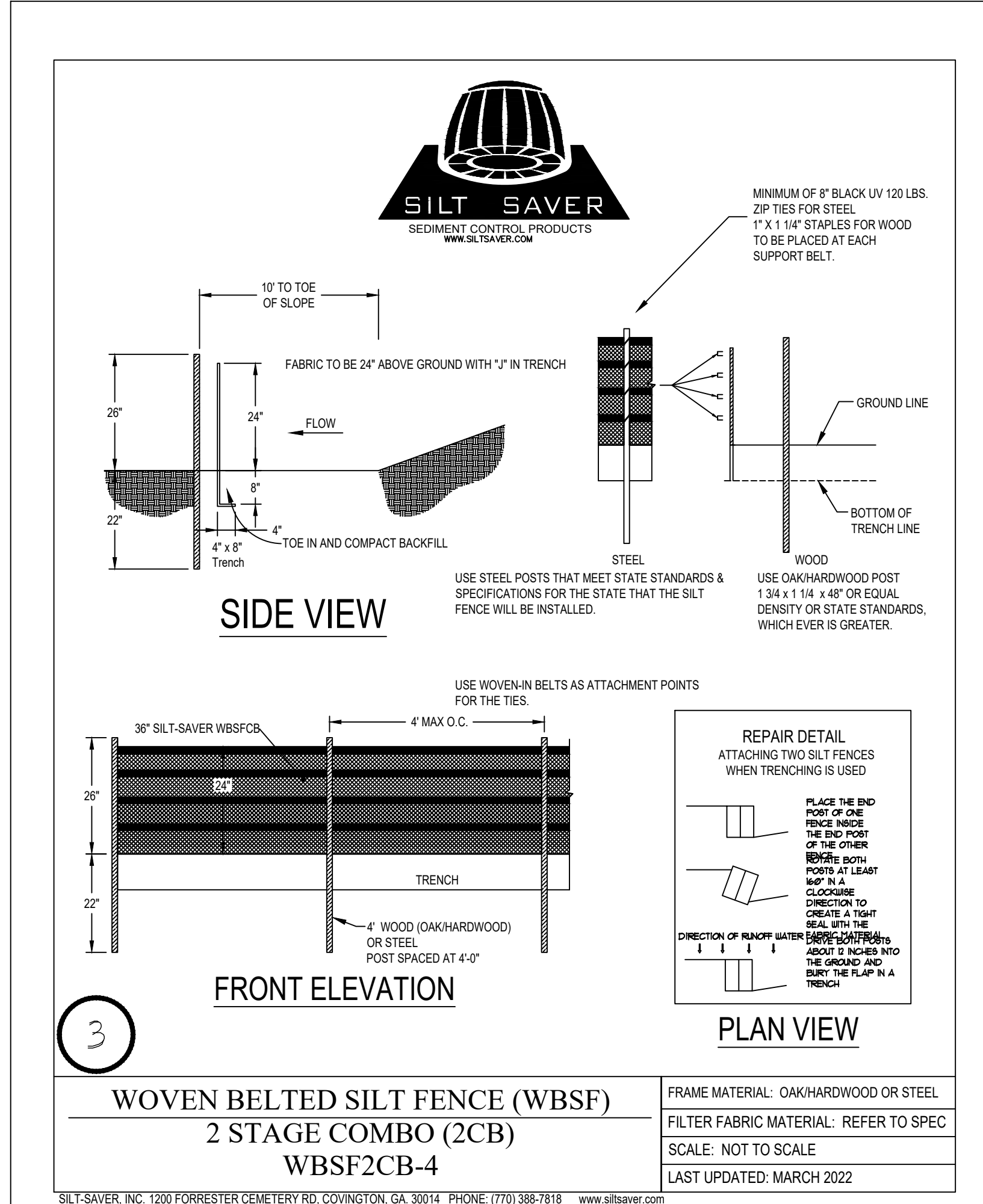
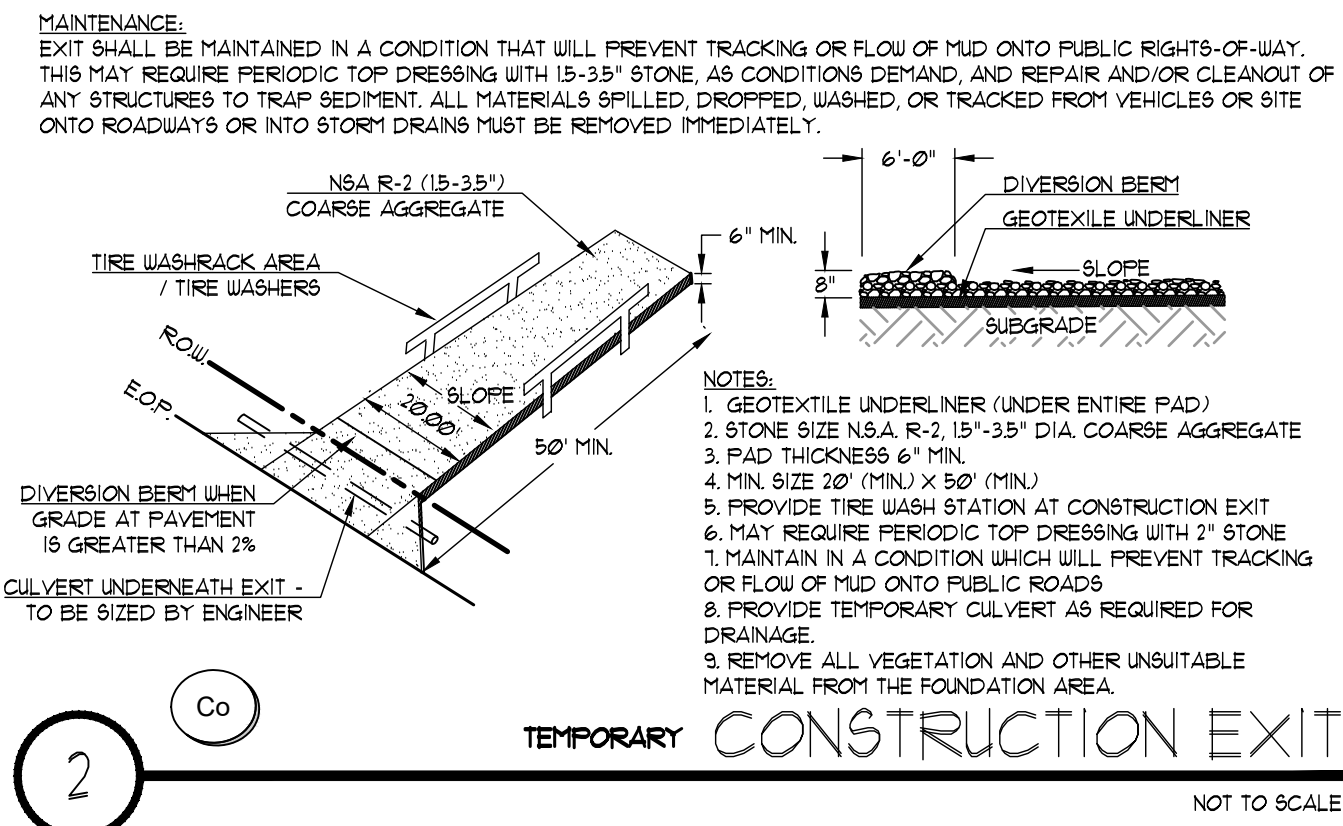
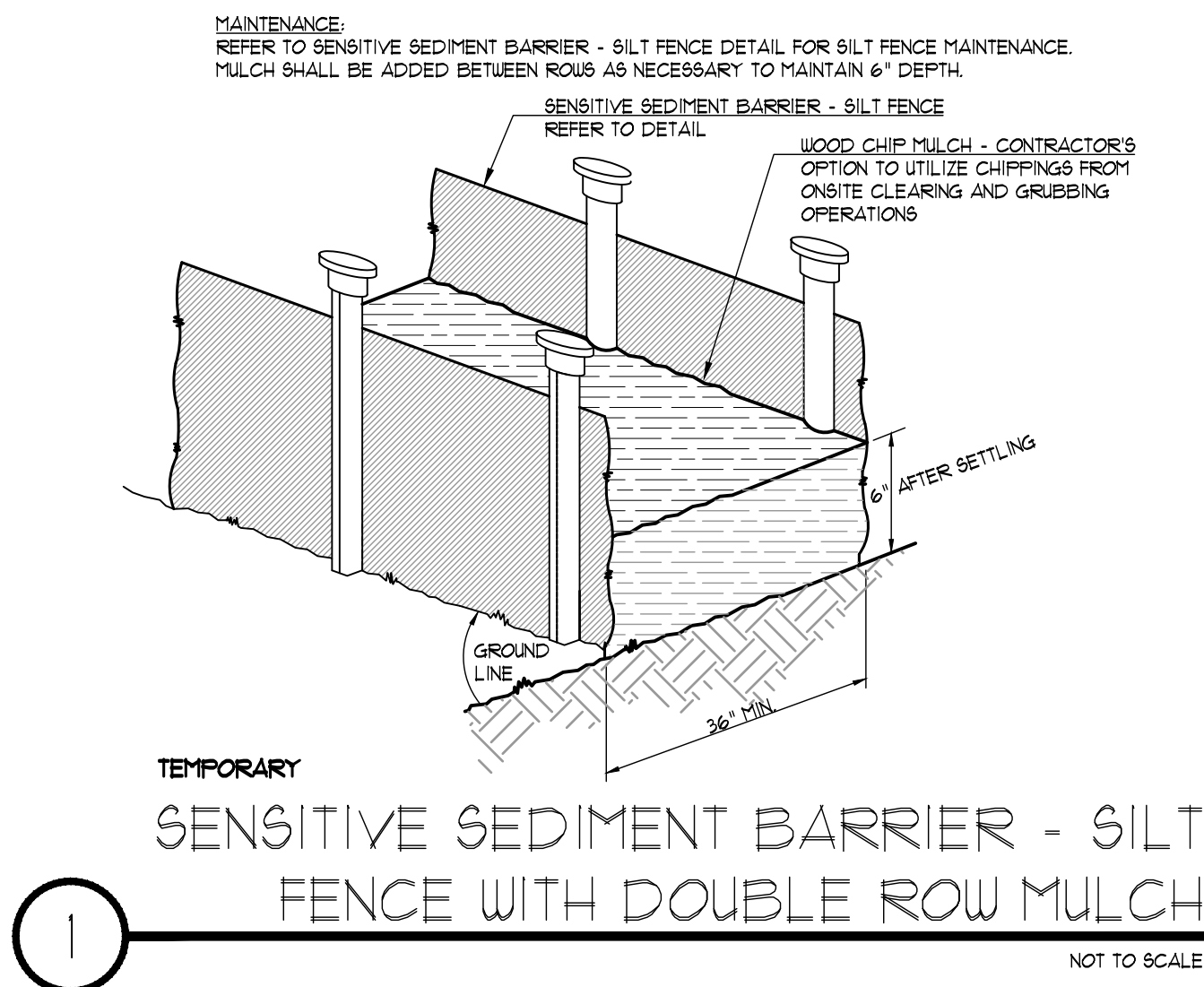
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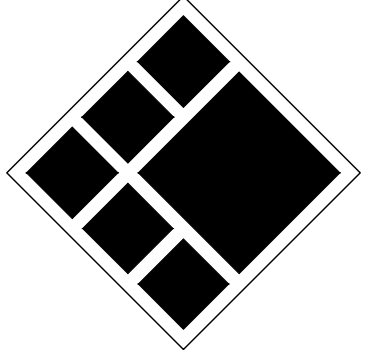
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5/5/2023 1:47:32 PM





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Landscape Architects • Civil Engineers  
15 Simpson Street, NW, Atlanta, GA 30308  
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BLP PROJ. NO. 22158



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LAND LOTS 213 & 236, 11TH DISTRICT  
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GSWCC CHECKLIST LEGEND	
55	GSWCC CHECKLIST ITEM NUMBER

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

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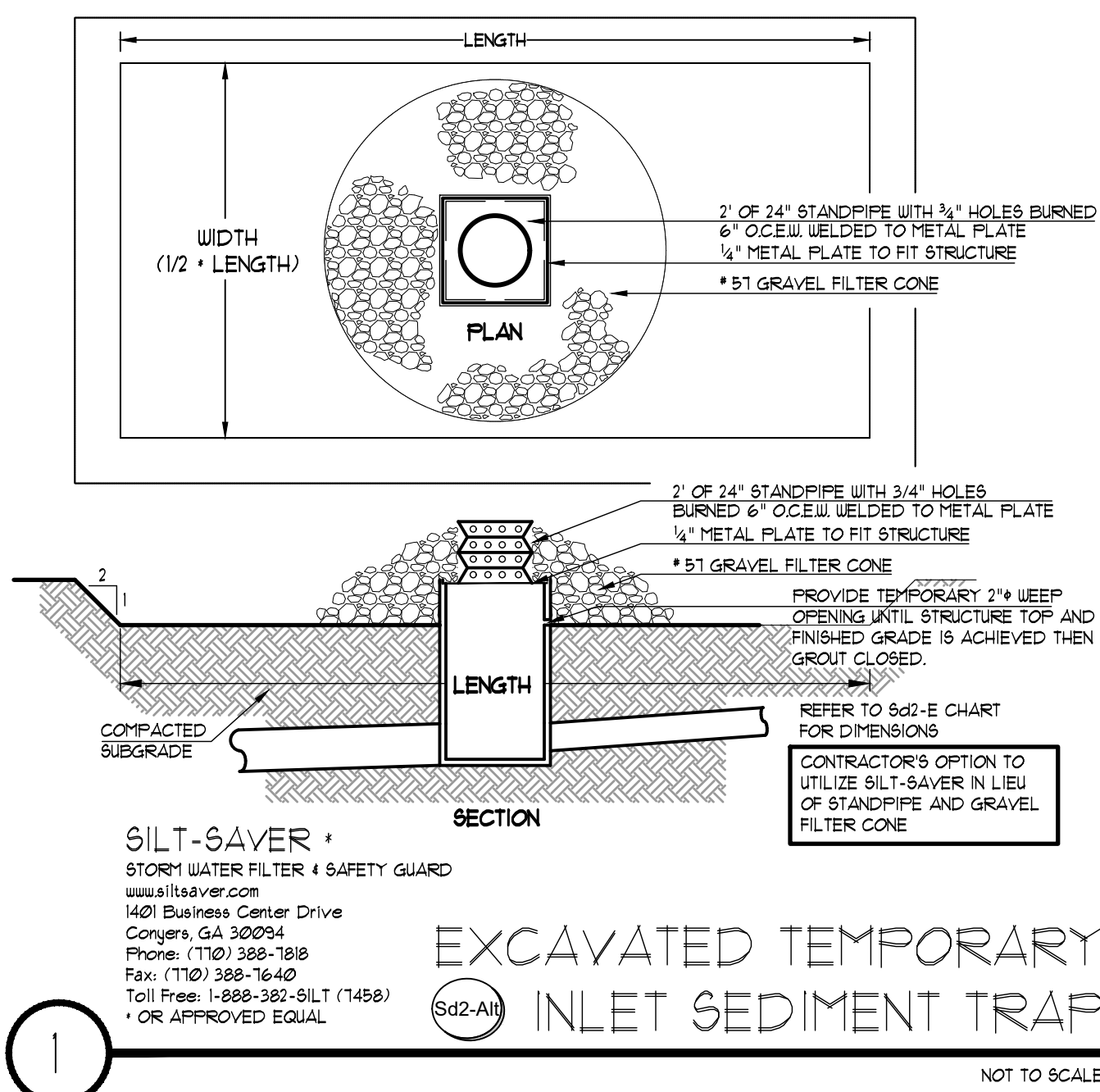
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**Drawn By** Author  
**Checked By** Checker  
**Date** 09/05/2023  
**Job No.** 22051

**Sheet Title** ES&PC DETAILS  
**Sheet No.** C-4.50  
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SOD APPLICATION <span style="float: right;">Ds4</span>			
GRASS	VARIETIES	RESOURCE AREA	GROWING SEASON
BERMUDA GRASS	COMMON TIFFWAY TIFFGREEN TIFFLAWN	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

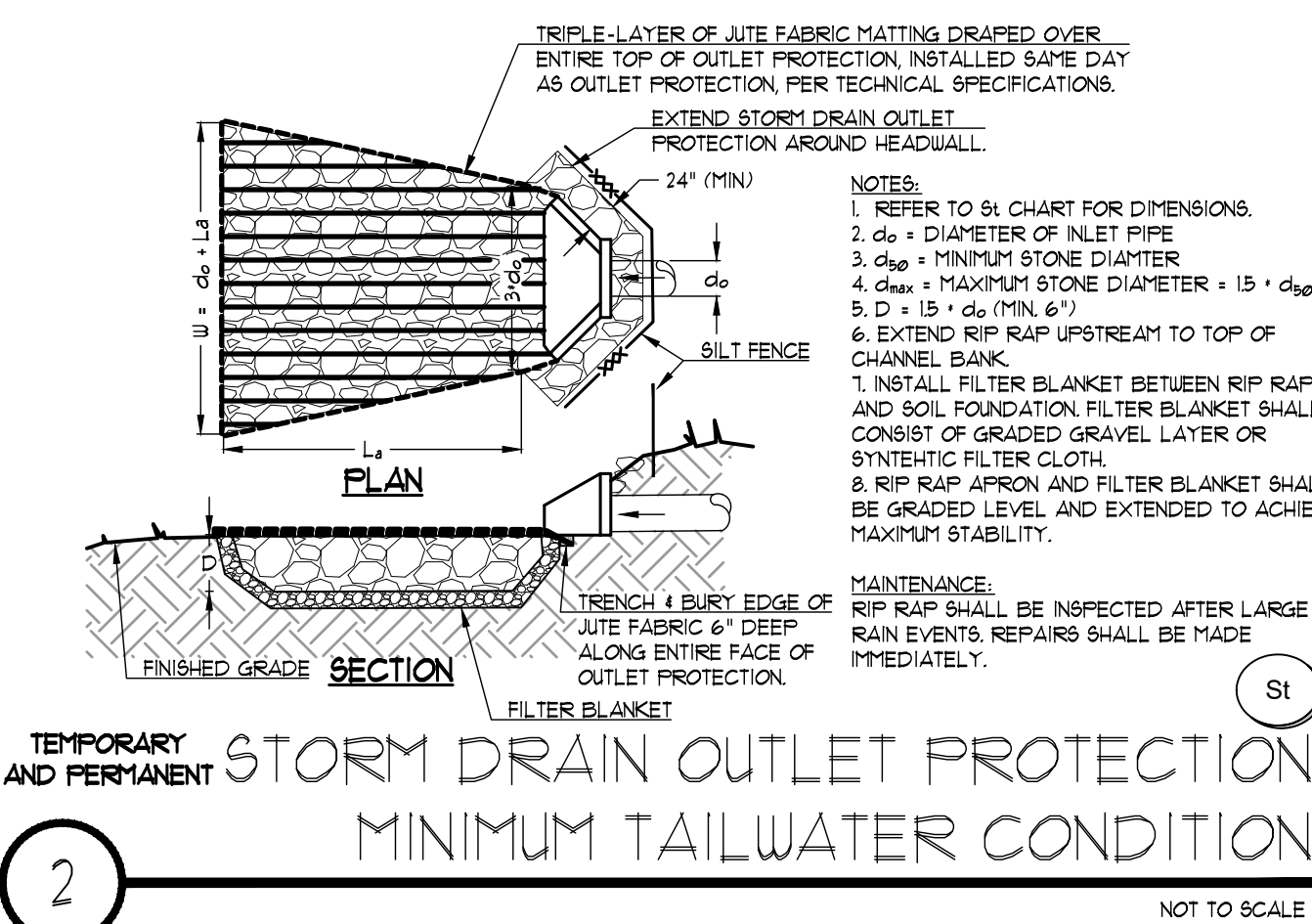
PIEDMONT VEGETATIVE COVERS			SOIL AMENDMENTS		
MONTH	TEMPORARY	Ds2	PERMANENT	Ds3	AMMONIA NITRATE
JANUARY	RYE GRASS	40 LBS	UNHILLED BERMUDA SERICEA LESPEDEZA	10 LBS - 8 LBS 40 LBS - 30 LBS	300 LBS PER ACRE
FEBRUARY	RYE GRASS	40 LBS	UNHILLED BERMUDA SERICEA LESPEDEZA (2) FESCUE	10 LBS - 8 LBS 40 LBS -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

1. SEED SHALL BE SCARIFIED. 2. SEED SHALL BE INOCULATED.

NOTE: RATES INCLUDED IN THIS CHART ARE A RECOMMENDED AMOUNT. CONTRACTOR SHALL PROVIDE NECESSARY AMENDMENTS AS IDENTIFIED BY SOIL TESTING.

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. 2/6/50-100 lbs./ac. 2/30 lbs./ac.
	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.

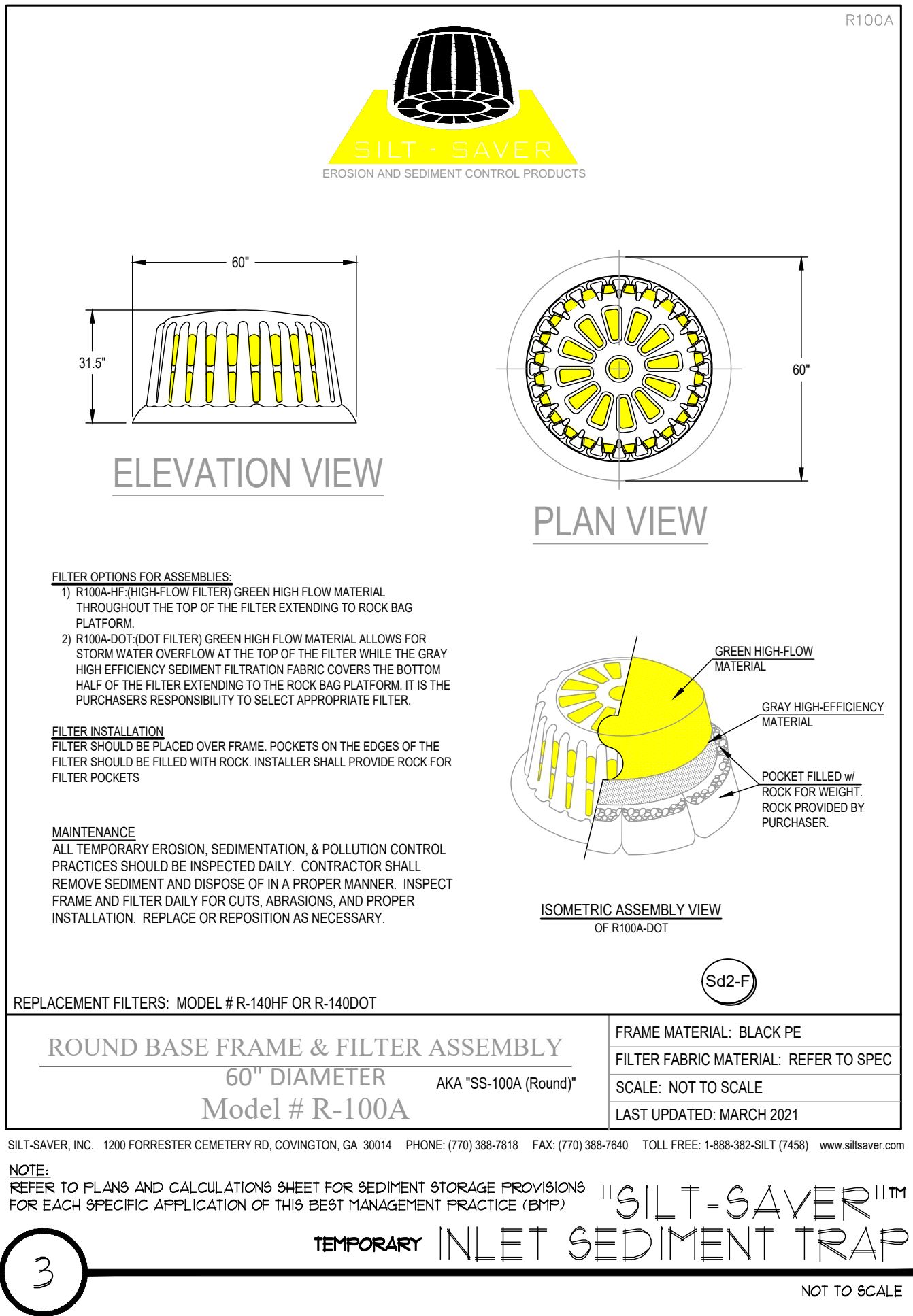
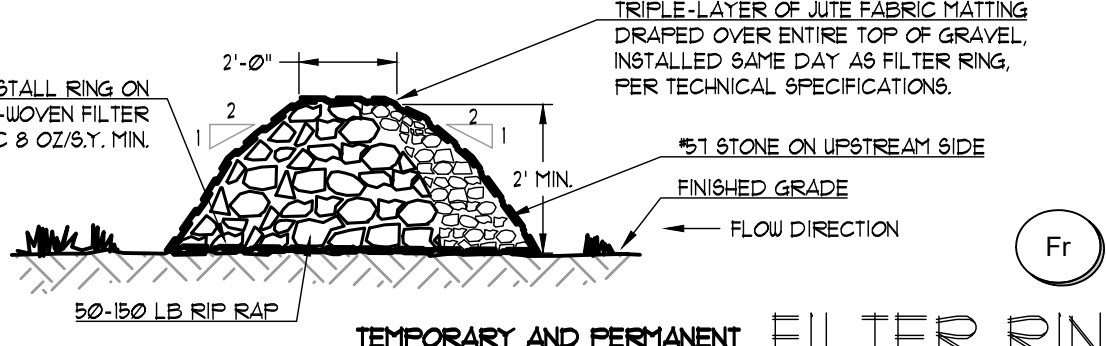


MATERIAL	RATE	DEPTH
STRAW OR HAY	2 1/2 TON PER ACRE	6"-10"
WOOD WASTE, CHIPS, SAWDUST, BARK	6-9 TON PER ACRE	2"-3"

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



MAINTENANCE: FILTER RING SHALL BE CONTINUOUSLY MONITORED. SEDIMENT SHALL BE REMOVED WITH RING IS FULL OF SEDIMENT TO THE HEIGHT. FILTER RING SHALL BE REMOVED UPON FINAL STABILIZATION.



**Calculate Skimmer Size**

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

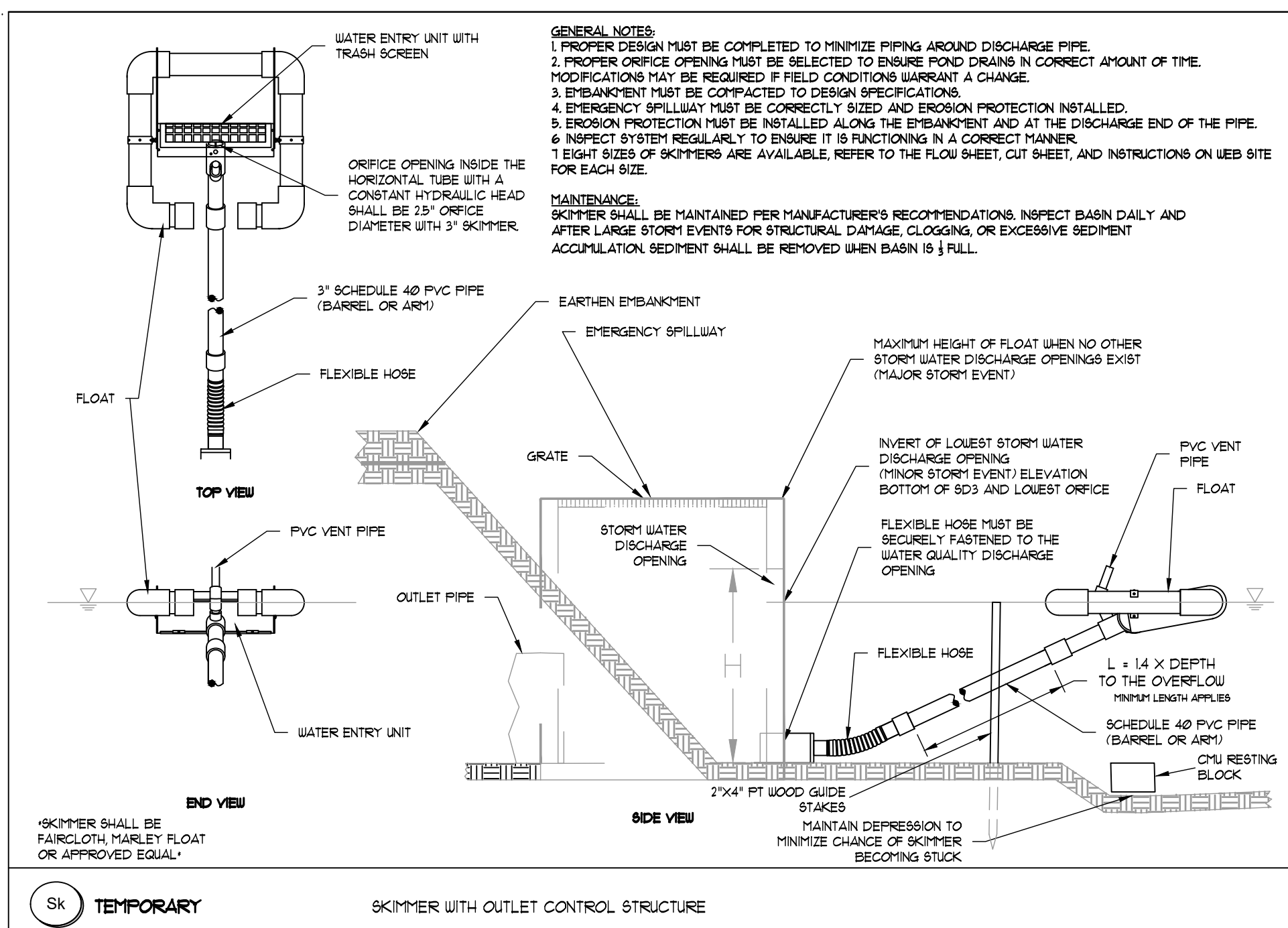
Days to Drain\*: **2** Days

Skimmer Size: **6.0** Inch

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

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

\*In NC assume 3 days to drain



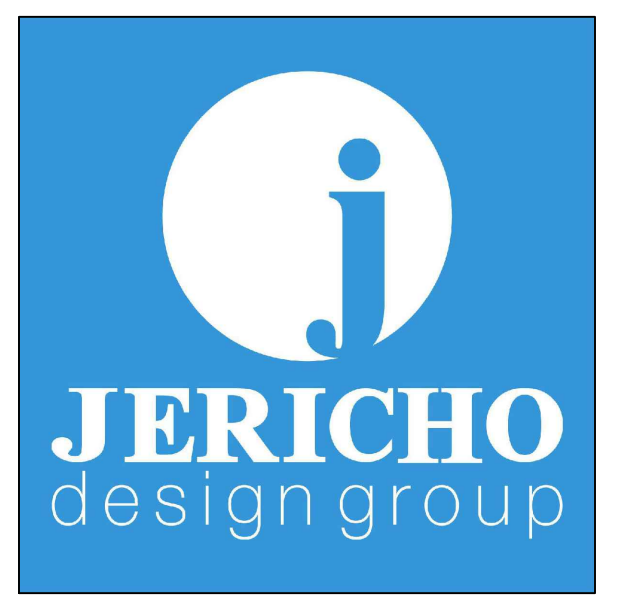
SKIMMER OUTLET WITH OUTLET CONTROL STRUCTURE NOT TO SCALE

**24-HOUR EROSION CONTACT**

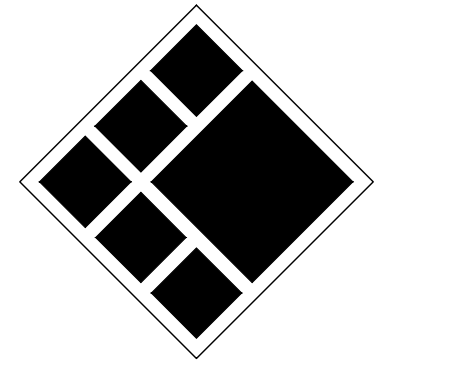
NAME: ANDREW HAMMER  
COMPANY: ROCKDALE COUNTY BOC  
EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV  
PHONE NUMBER: 678-361-1081

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**ROCKDALE COUNTY FIRE TRAINING CAMPUS**

**ROCKDALE COUNTY BOARD OF COMMISSIONERS**

LAND LOTS 213 & 236, 11TH DISTRICT  
ROCKDALE COUNTY, GEORGIA 30012

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

Drawn By: **Author**  
Checked By: **Checker**

Date: 09/05/2023  
Job No.: 22051

ES&PC DETAILS

Sheet No.

**C-4.51**

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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 CROPS<sup>1</sup>

Species	Broadcast Rates	Resource Area <sup>2</sup>	Planting Dates by Resource Area												Remarks	
			Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.													
Pure Live Seed (PLS) Per 1000 sqft		J F M A M J J A S O N D														
Rate Per Acre <sup>3</sup>																
BARLEY <i>Hordeum vulgare</i>	3 bu. (144 lbs) 1/2 bu. (24 lbs)	3.3 lbs 0.6 lb	M-L P C													14,000 seed per pound. Winter hardy. Use on productive soils.
LESPEDEZA, ANNUAL <i>Lespedeza striata</i>	40 lbs 10 lbs	0.9 lb 0.2 lb	M-L P C													200,000 seed per pound. May volunteer for several years. Use inoculant EL.
LOVEGRASS, WEEPING <i>Eragrostis curvula</i>	4 lbs 2 lbs	0.1 lb 0.05 lb	M-L P C													1,500,000 seed per pound. May last for several years. Mix with <i>Sericea lespedeza</i> .
MILLET, BROWNTOP <i>Panicum fasciculatum</i>	40 lbs 10 lbs	0.9 lb 0.2 lb	M-L P C													137,000 seed per pound. Quick dense cover. Will provide excessive competition in mixtures if seeded at high rate.

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

Species	Broadcast Rates	Resource Area <sup>2</sup>	Planting Dates by Resource Area												Remarks	
			Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.													
Pure Live Seed (PLS) Per 1000 sqft		J F M A M J J A S O N D														
Rate Per Acre <sup>3</sup>																
TRITICALE <i>X-Triticosecale</i>	3 bu. (144 lbs) 1/2 bu. (24 lbs)	3.3 lbs 0.6 lb	C													Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only.
WHEAT <i>Triticum aestivum</i>	3 bu. (180 lbs) 1/2 bu. (30 lbs)	4.1 lbs 0.7 lb	M-L P C													15,000 seed per pound. Winter hardy.

<sup>1</sup>Temporary cover crops are very competitive and will crowd out perennials if seeded too heavily  
<sup>2</sup>Reduce seeding rates by 50% when drilled.  
<sup>3</sup>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-**

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- 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 **Tac-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 anchored trenched at the top as well as incrementally as necessary.

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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 retardant 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.

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 Drainage Area	2 Req. Sediment Storage	3 Storage Provided	5 Surface Area	7 Top of storage elevation	7 Depth	7 Bottom of Trap
1	C410	0.21 (acres)	28.14 (cy)	35 (cy)	778 (sf)	835	2.00 (cy)	833 (cy)

#### Structural BMP: Retrofitting (Rt)

Structure No. A1  
Drainage Area: 5.36 acres

- Storage Calculations:**
- Required stormwater storage = 667.00 cy Obtain from Hydroflow
  - 25-year post-construction storage volume unless otherwise determined by local ordinance
  - Required sediment storage = 67 cy/acre = 359.12 cy Increase for impaired stream if req
  - Total required storage (1) + (2) + (3) = 1026.12 cy
  - Available Storage = 3334.00 cy Obtain from Hydroflow

5. Is the available storage greater than the total required storage?  
XXX YES NO

6. If "NO", the sediment storage capacity of the pond must be increased.  
Choose the method to be used:  
Undercut the pond (W)\* (L)\* D  
Depth = 815.00 ft

7. Clean-out elevation  
8. Is the length-width ratio 2:1 or greater?  
9. If "NO", the length of flow must be increased.  
XXX YES

Note the CMP diameter and height if a half-round CMP retrofit is used.  
Diameter = in Height = ft

Structure No. C2  
Drainage Area: 5.51 acres

- Storage Calculations:**
- Required stormwater storage = 0.00 cy Obtain from Hydroflow
  - 25-year post-construction storage volume unless otherwise determined by local ordinance
  - Required sediment storage = 67 cy/acre = 369.17 cy Increase for impaired stream if req
  - Total required storage (1) + (2) + (3) = 369.17 cy
  - Available Storage = 473.30 cy Obtain from Hydroflow

5. Is the available storage greater than the total required storage?  
XXX YES NO

6. If "NO", the sediment storage capacity of the pond must be increased.  
Choose the method to be used:  
Undercut the pond (W)\* (L)\* D  
Depth = 815.00 ft

7. Clean-out elevation  
8. Is the length-width ratio 2:1 or greater?  
9. If "NO", the length of flow must be increased.  
XXX YES

Note the CMP diameter and height if a half-round CMP retrofit is used.  
Diameter = in Height = ft

#### 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 (acres)	Sed. Storage Height at silt fence (ft)	avg. back slope gradient (ft/ft)	Provided Volume (cu-ft)	Required Volume ** (cu-yd)	Required Volume ** (cu-yd)	Provided Volume > Required Volume?
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	43.33	17.42	Yes

#### 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 Drainage Area	2 Req. Sediment Storage	3 Assumed Excavation Depth	4 Assumed Side Slope	5 Min. Surface Area	6a Excavation Shape	6b Excavation Width	6c Excavation Length	7 Storage Provided
Dn1A	C410	0.86	57.62	2	2	777.87	Rectangular	20	40	59.26
Dn1B	C410	0.43	28.81	2	2	388.94	Rectangular	14	28	29.04

#### 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 Drainage Area	2 Req. Sediment Storage	3 Assumed Excavation Depth	4 Assumed Side Slope	5 Min. Surface Area	6a Excavation Shape	6b Excavation Width	6c Excavation Length	7 Storage Provided
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

<sup>1</sup> Min. Required Storage is 67 CY per Acre of Drainage Area

#### Structural BMP: Rip Rap Outlet Protection (St)

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	5.62	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

#### GSWCC CHECKLIST LEGEND

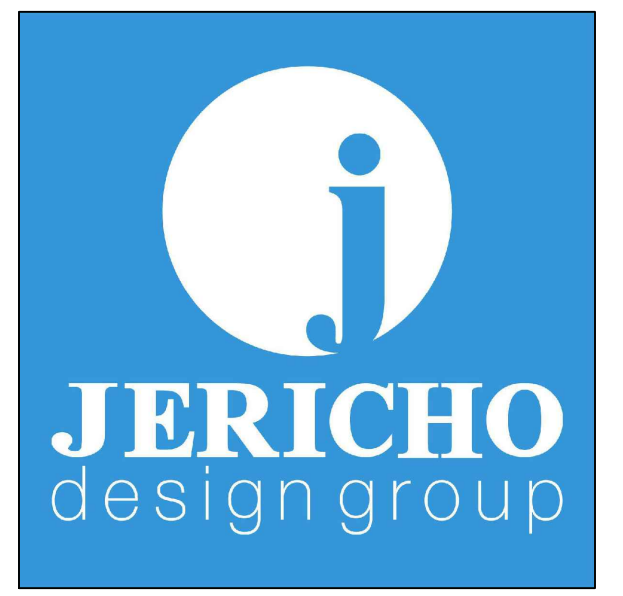
55 GSWCC CHECKLIST ITEM NUMBER

#### 24-HOUR EROSION CONTACT

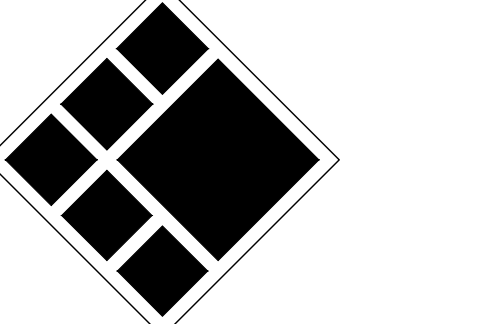
NAME: ANDREW HAMMER  
COMPANY: ROCKDALE COUNTY BOC  
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 ROCKDALE COUNTY BOARD OF COMMISSIONERS  
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 ROCKDALE COUNTY, GEORGIA 30012

#### PRINT RECORD

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Drawn By: Author  
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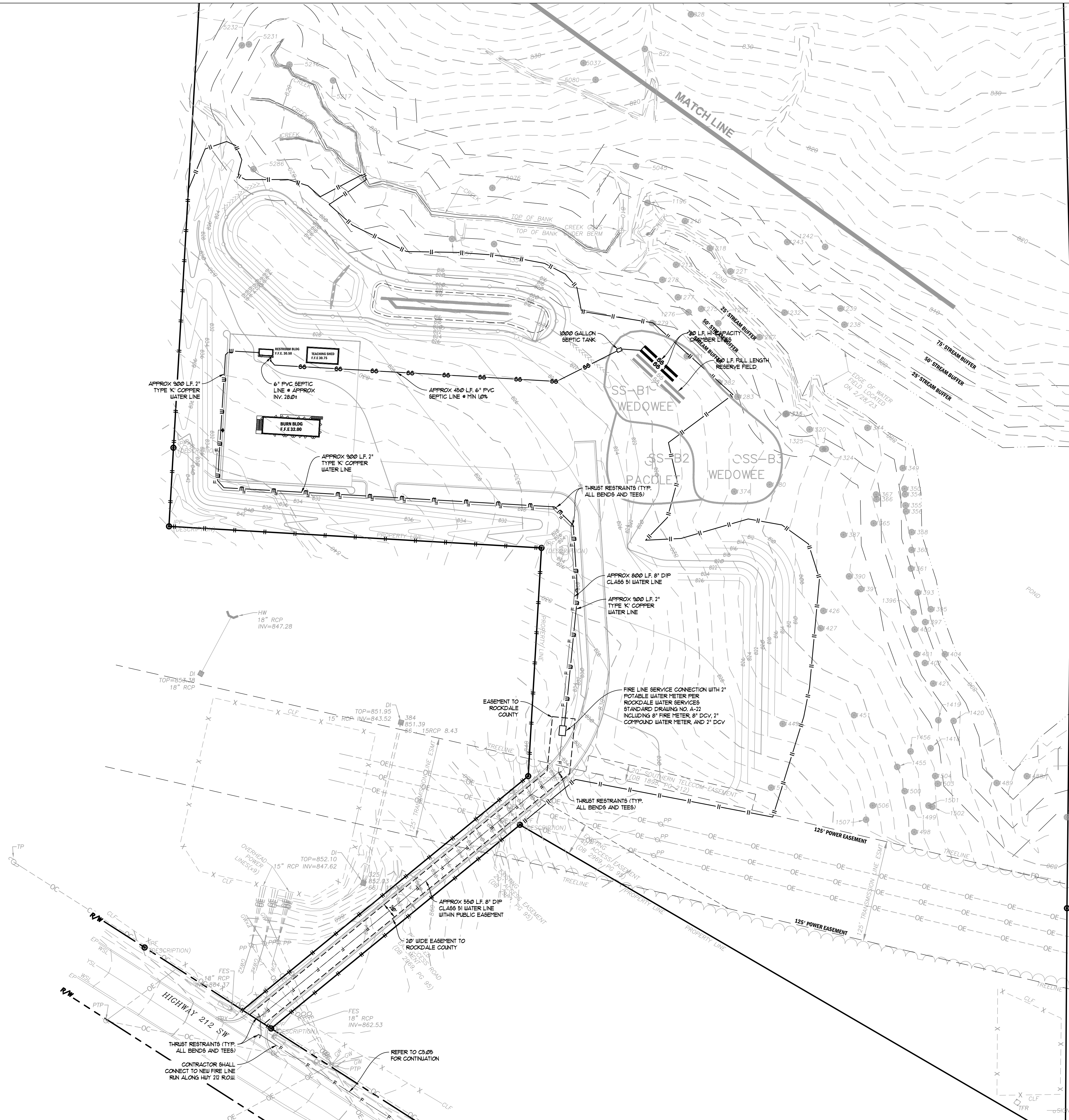
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### SEPTIC CALCULATIONS

**DESIGN FLOW & DISPOSAL FIELD SIZING:**  
 • SYSTEM DESIGN BASED ON PROPOSED USE AS:  
 RESTROOM BUILDING  
 DESIGN FLOW RATIONALE:  
 35 ANDREW HAMMERS AT 1 TIME AT FACILITY  
 35 ANDREW HAMMERS X 10 GPD = 350 GPD

**DRAIN FIELD (PRIMARY & REPLACEMENT) CALCULATIONS:**  
 • SOIL TYPE: WEDGEE/PACOLET (LEVEL 3 SOIL SURVEY BY MATRIX ENGINEERING)  
 • DESIGN PERCOLATION RATE: 45 INP INSTALL DEPTH: 30"  
 • DPH LOADING RATE: 5/SQFT (35) @ 0.145 GPD/SF  
 • DRAIN FIELD AREA: DESIGN FLOW / LOADING RATE =  
 350 GPD / 0.145 GPD/SF = 2415 SF  
 • DRAIN LINE REQUIRED: 410 SF / 3FT TRENCH = 137 LINEAR FEET (MIN)  
 • PRIMARY DRAIN FIELD:  
 (PRODUCT: HI-CAPACITY CHAMBER PRODUCT, 35% REDUCTION)  
 137 FT X 0.69 = 95 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 10% TO LEVEL FIELD DRAIN FIELD  
 • 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 118 LINEAR FEET  
 • FULL LENGTH PRODUCT, REGARDLESS TYPE. (NO REDUCTIONS.)

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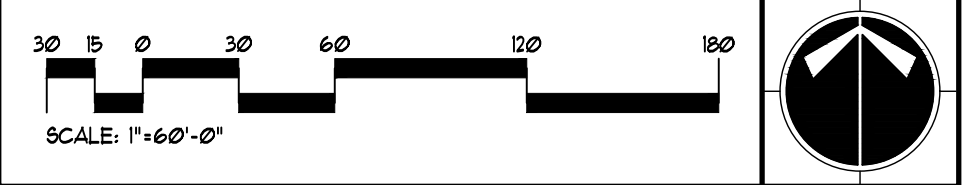
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### 24-HOUR EROSION CONTACT

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

### GRAPHIC SCALE & ORIENTATION



### UTILITY LOCATION NOTES

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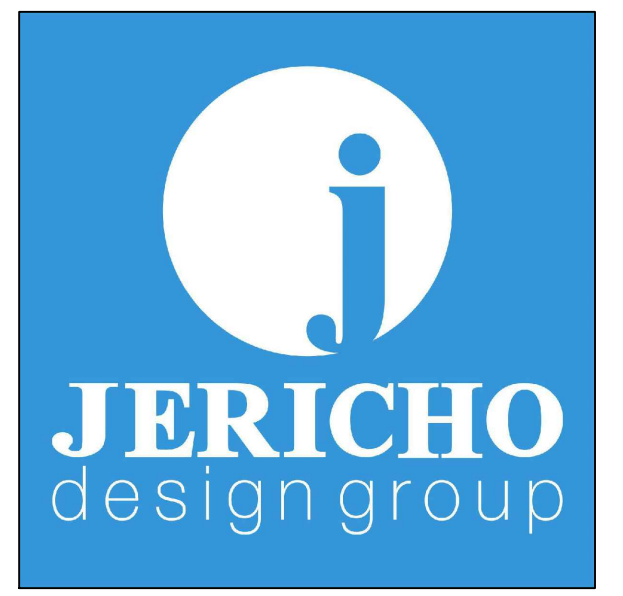
### CALL BEFORE YOU DIG



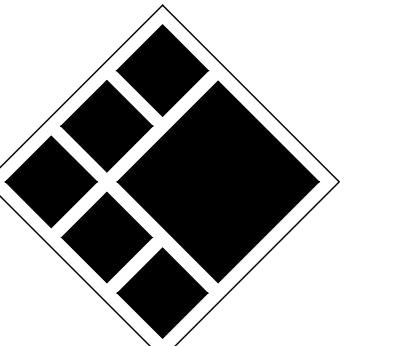
GEORGIA LAW MANDATES THAT BEFORE BEGINNING ANY MECHANIZED DIGGINGS OR EXCAVATION WORK YOU MUST CONTACT GEORGIA 811 BY USING EREQUEST ON WWW.GEORGIA811.COM OR BY CALLING 811 OR 1-800-282-7411 AT LEAST 48 HOURS BUT NO MORE THAN 10 WORKING DAYS IN ADVANCE TO HAVE UTILITY LINES MARKED.

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ROCKDALE COUNTY FIRE  
 TRAINING CAMPUS

ROCKDALE COUNTY BOARD OF  
 COMMISSIONERS

LAND LOTS 213 & 236, 11TH DISTRICT  
 ROCKDALE COUNTY, GEORGIA 30012

### PRINT RECORD

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2	09/07/2023	LDP RESUBMITTAL

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

Sheet Title: UTILITY PLAN

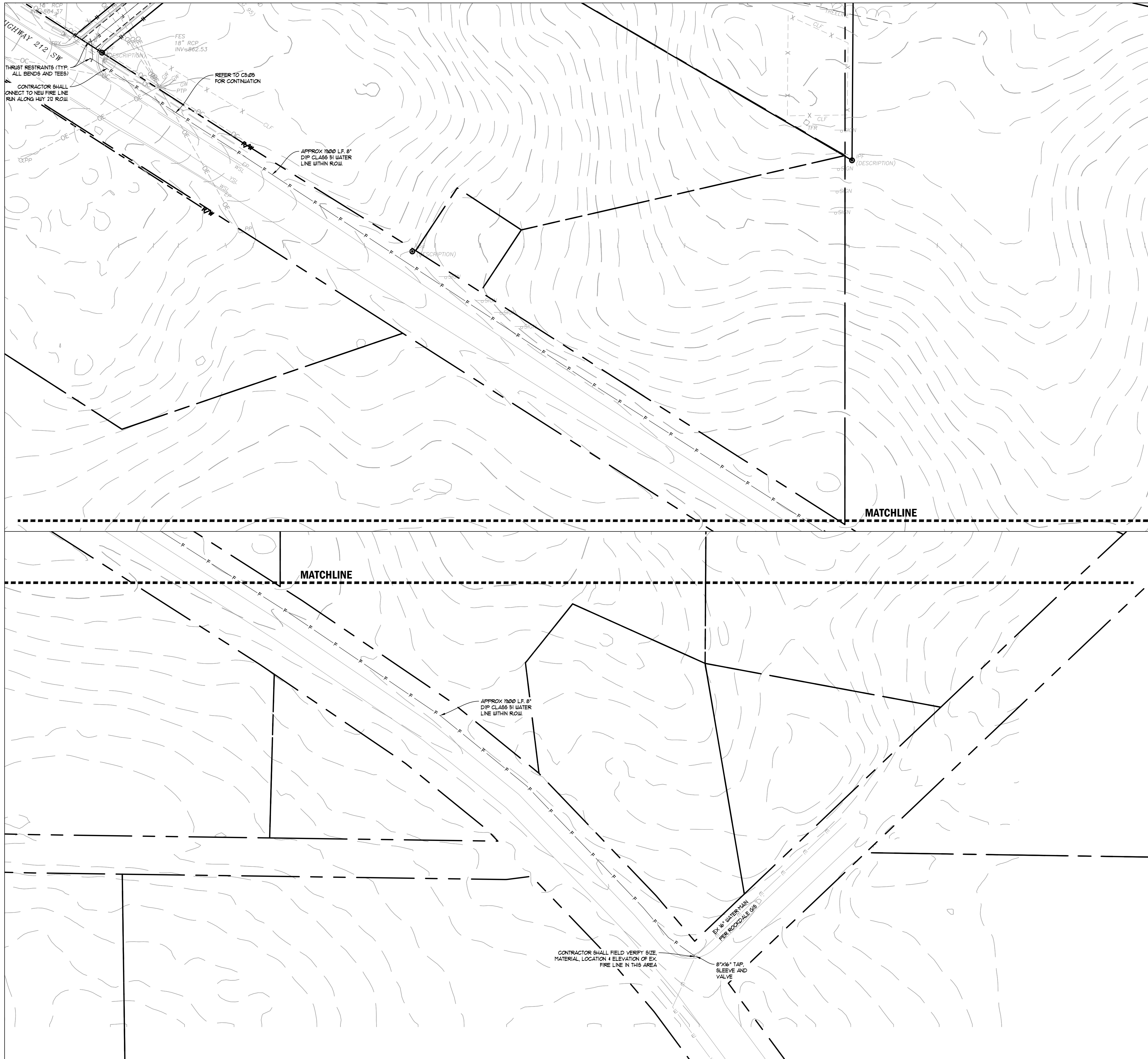
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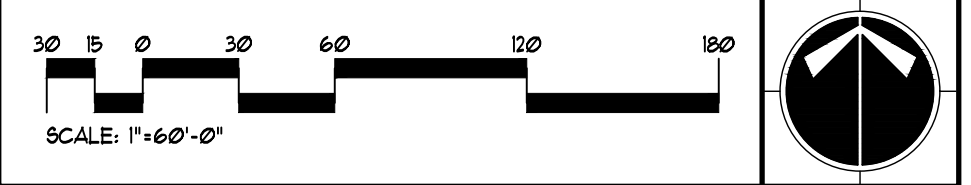
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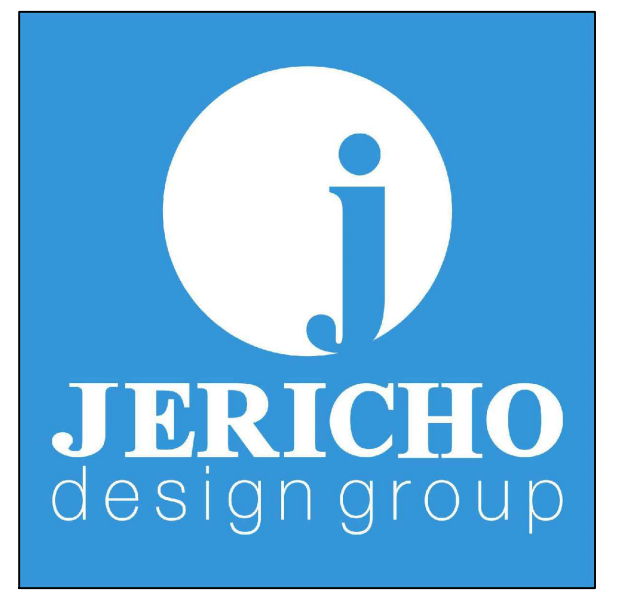
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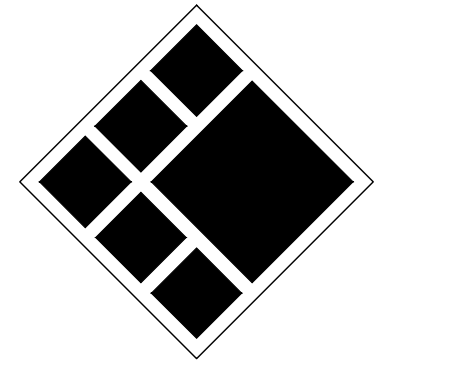
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**ROCKDALE COUNTY BOARD OF COMMISSIONERS**

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

**Sheet Title**  
 WATER LINE PLAN

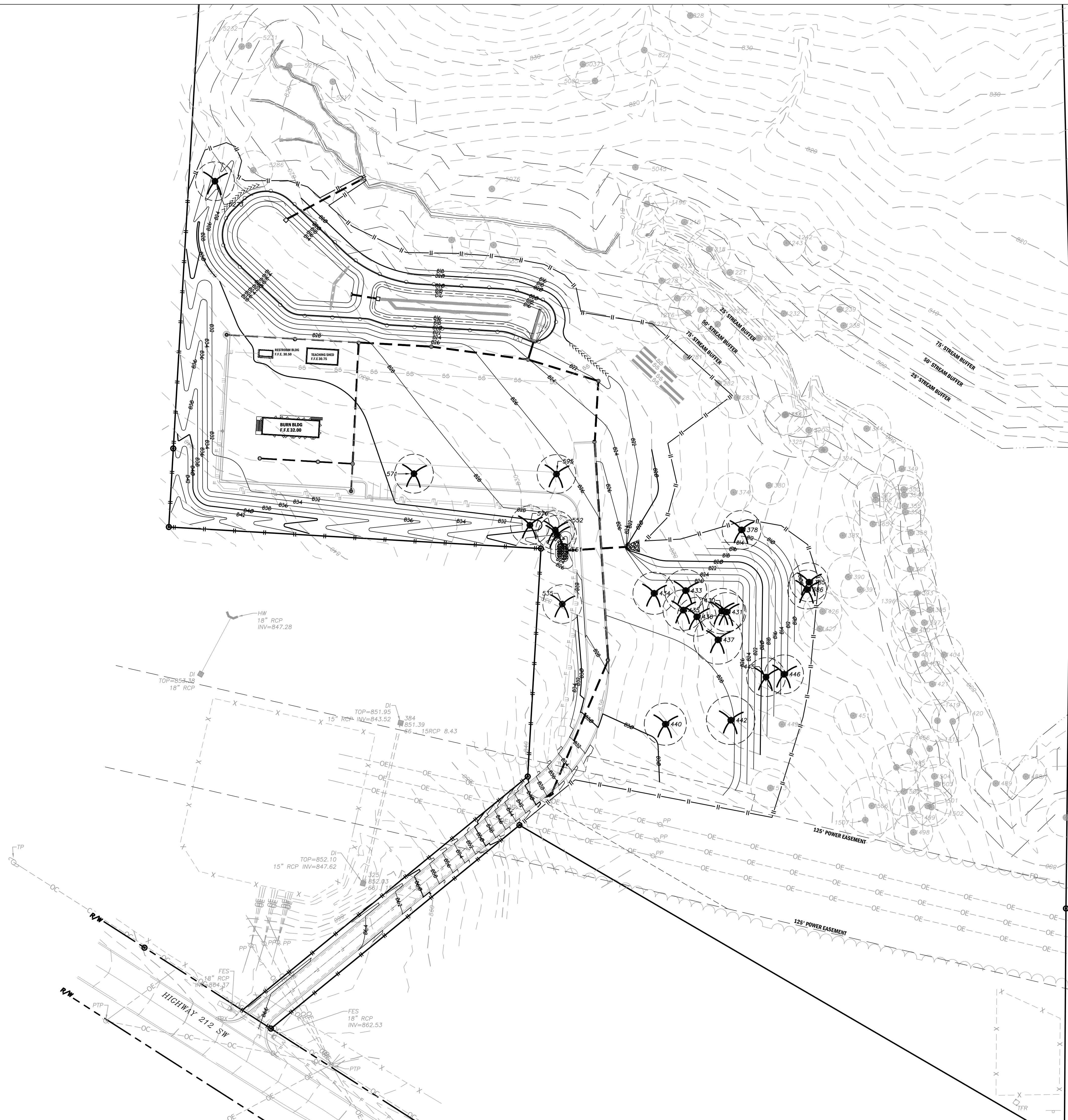
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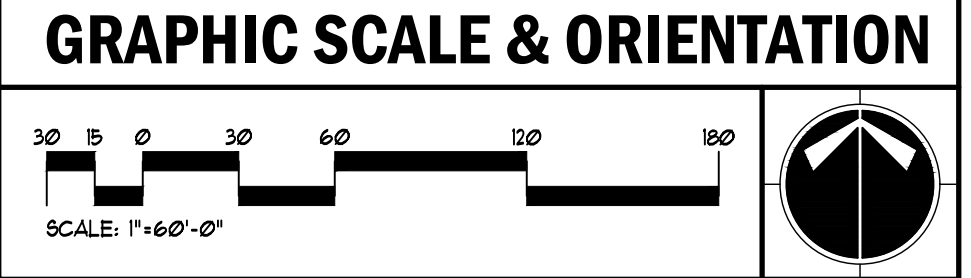
TREE CALCULATIONS	
OVERALL DENSITY FACTOR (ODF) *	UNITS PER ACRE REQUIRED = 19,000 UNITS
TOTAL PROJECT AREA = 61.43 ACRES	
61.43 X 19,000 = 1,167,170 ODF	
EXISTING DENSITY FACTOR (EDF) *	EXISTING UNITS = 107,030 UNITS
(ONLY TREES 24" AND LARGER WERE SURVEYED.)	
TOTAL UNITS REMOVED = 1,060,140 UNITS	(ONLY TREES 24" AND LARGER WERE SURVEYED.)
TOTAL TREE SAVE AREA = 93.00 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. 59.28 ACRES OF FOREST ARE TO REMAIN UNDISTURBED.	

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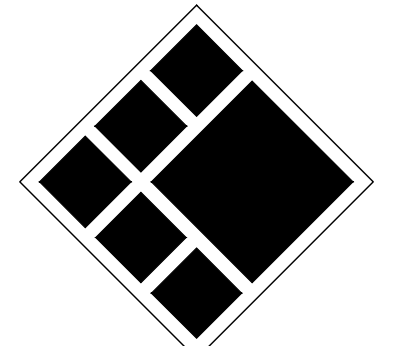
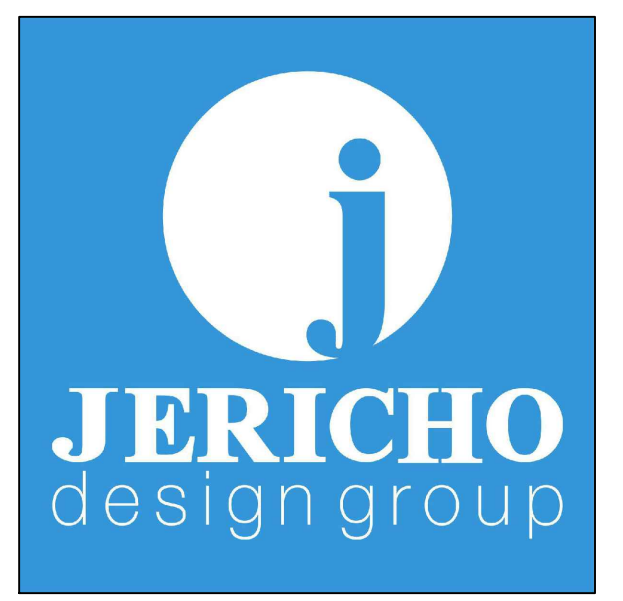
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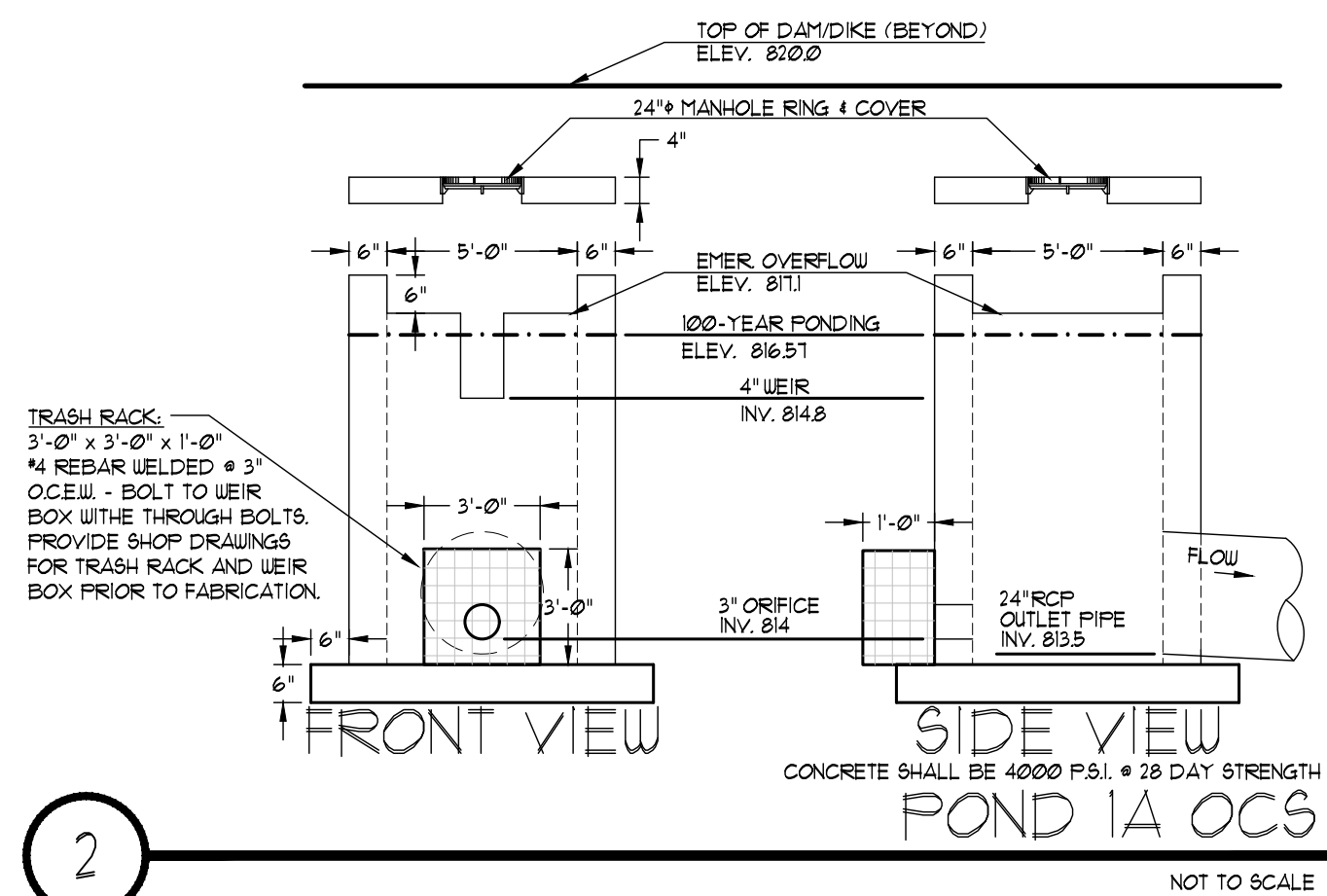
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Sheet No.: C-6.00

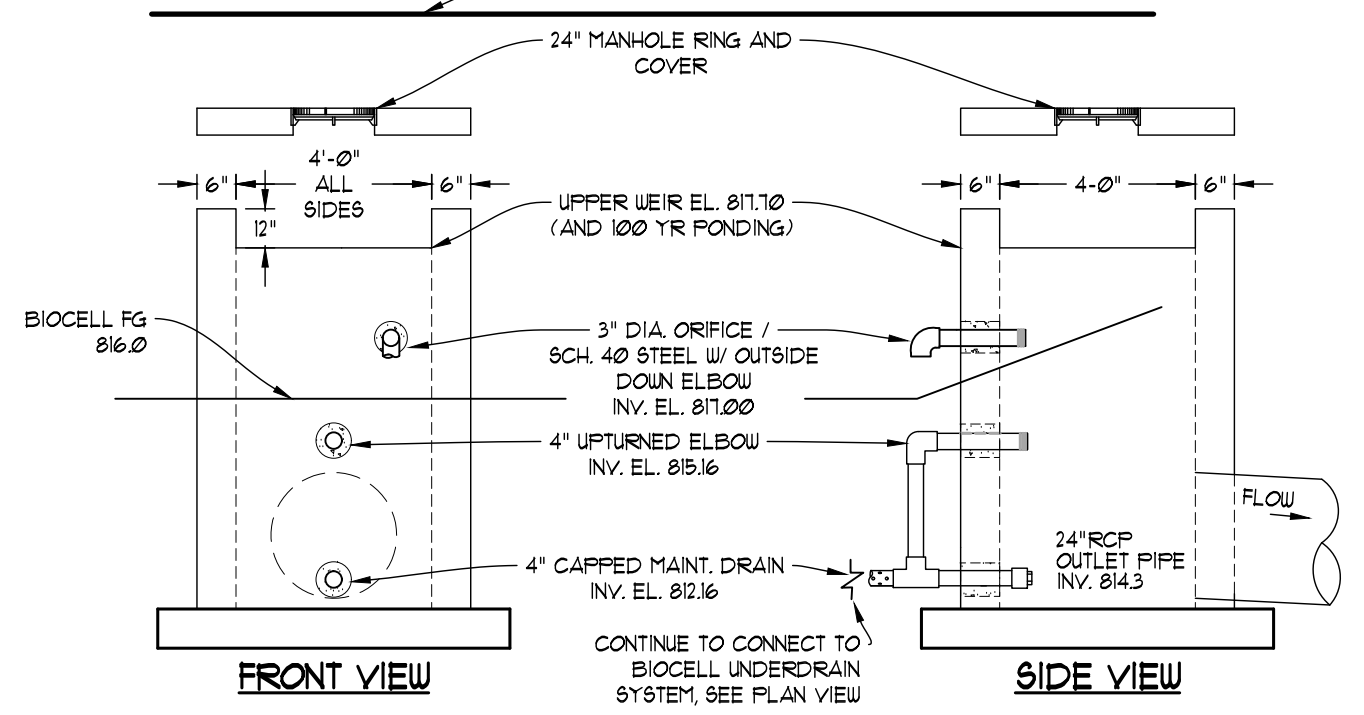
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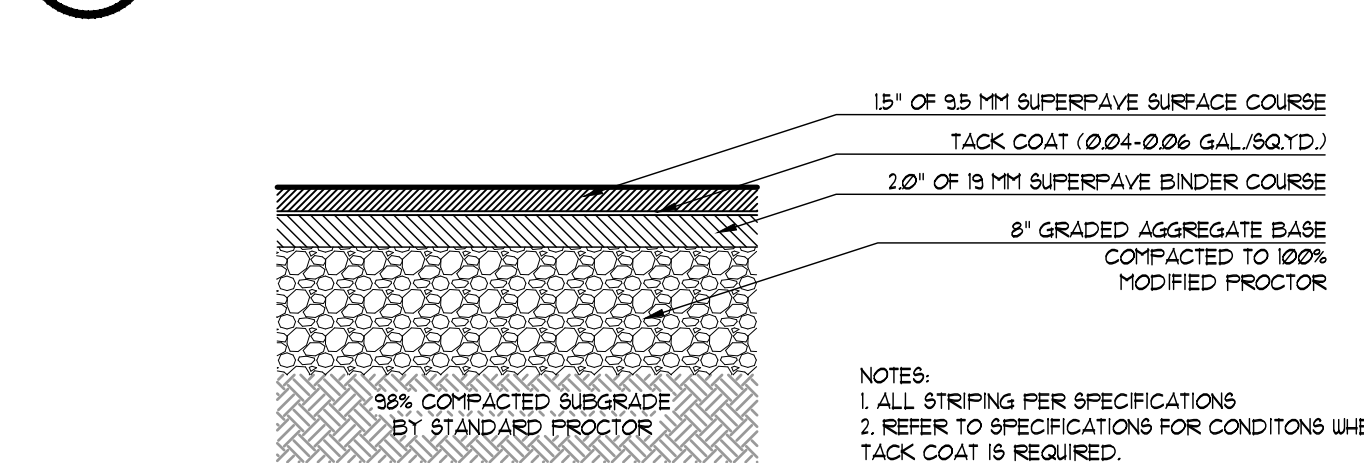
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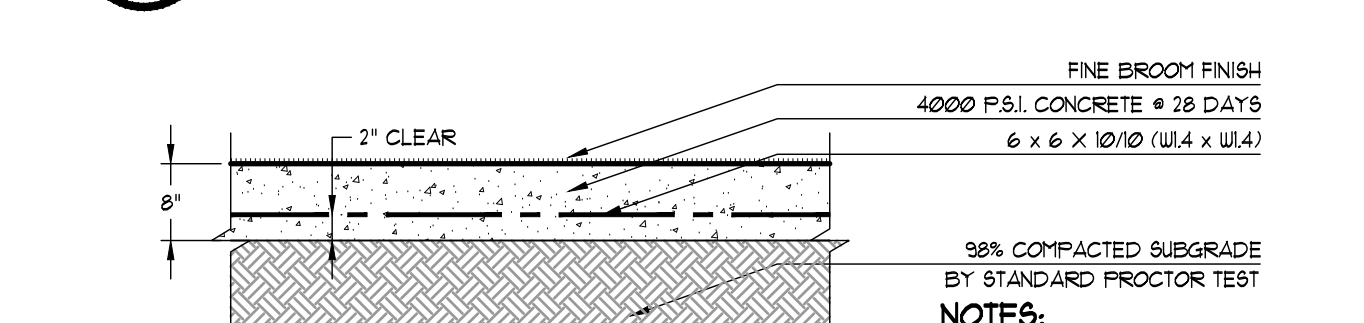
2 POND IA OCS NOT TO SCALE



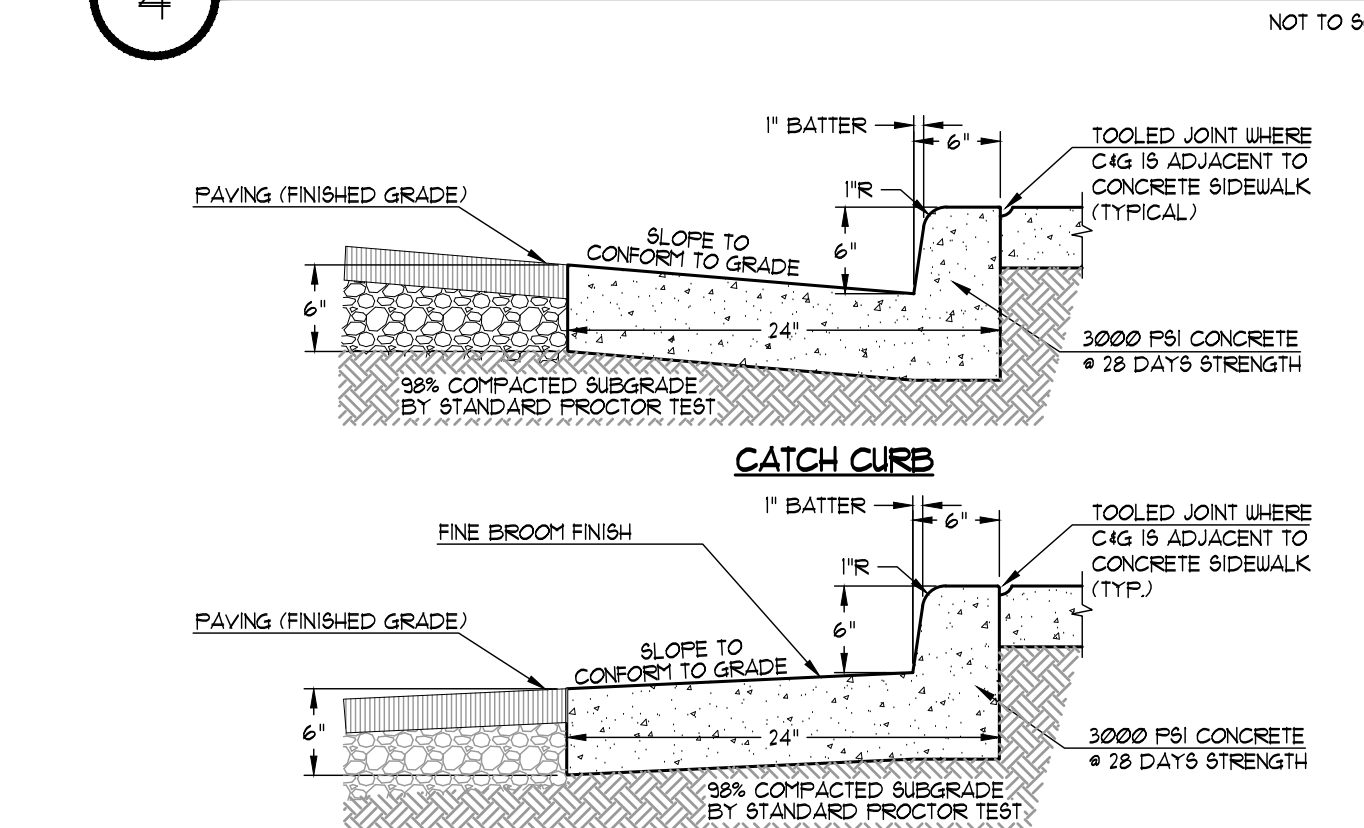
2 BIOCELL IA OCS NOT TO SCALE



3 HEAVY DUTY ASPHALT PAVING NOT TO SCALE

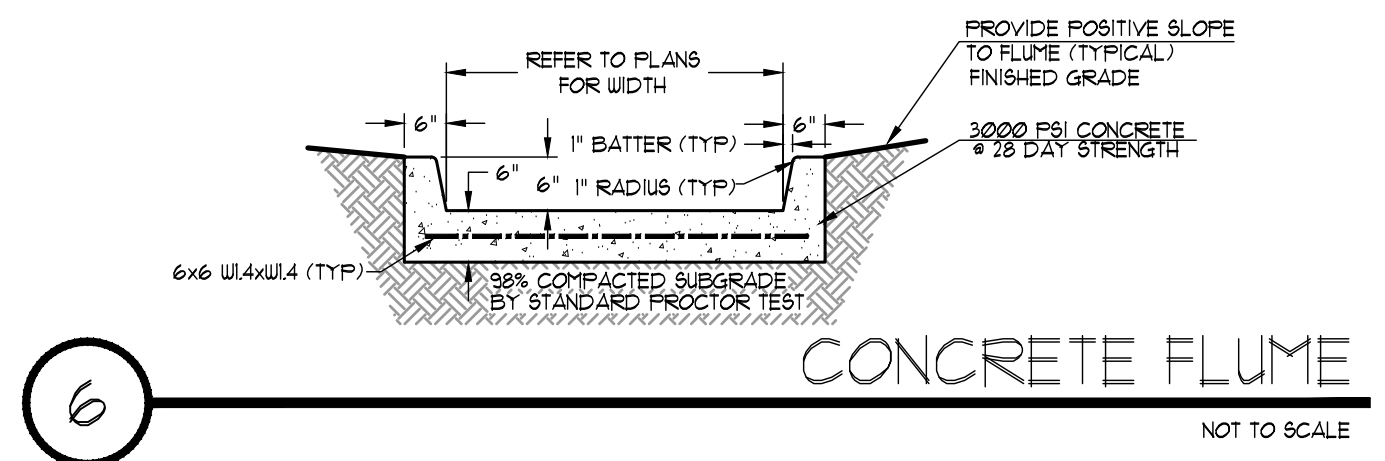


4 HEAVY DUTY CONCRETE PAVING NOT TO SCALE

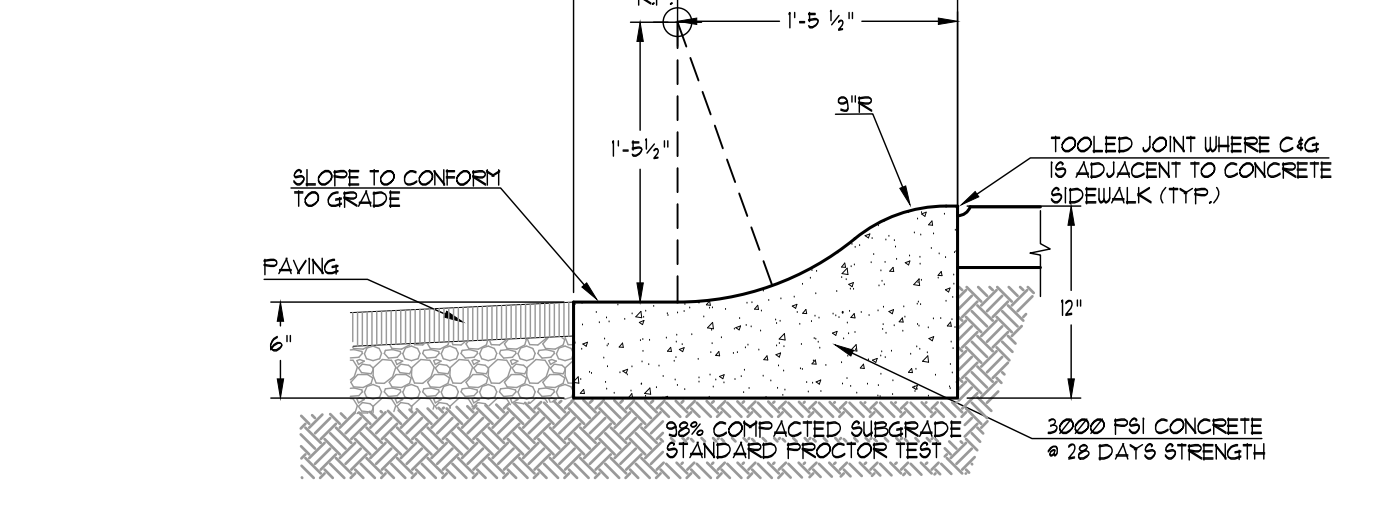


5 24\"/>

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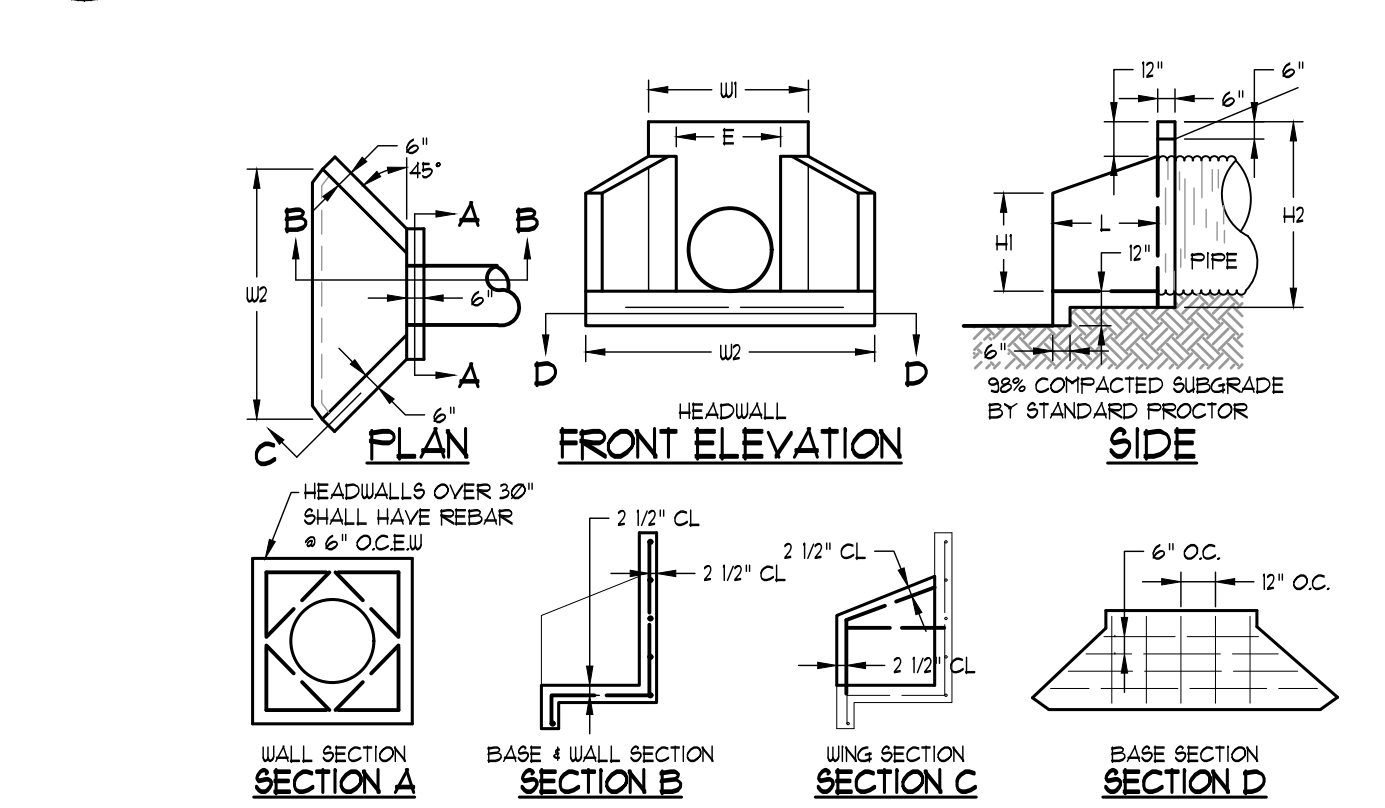


6 CONCRETE FLUME NOT TO SCALE

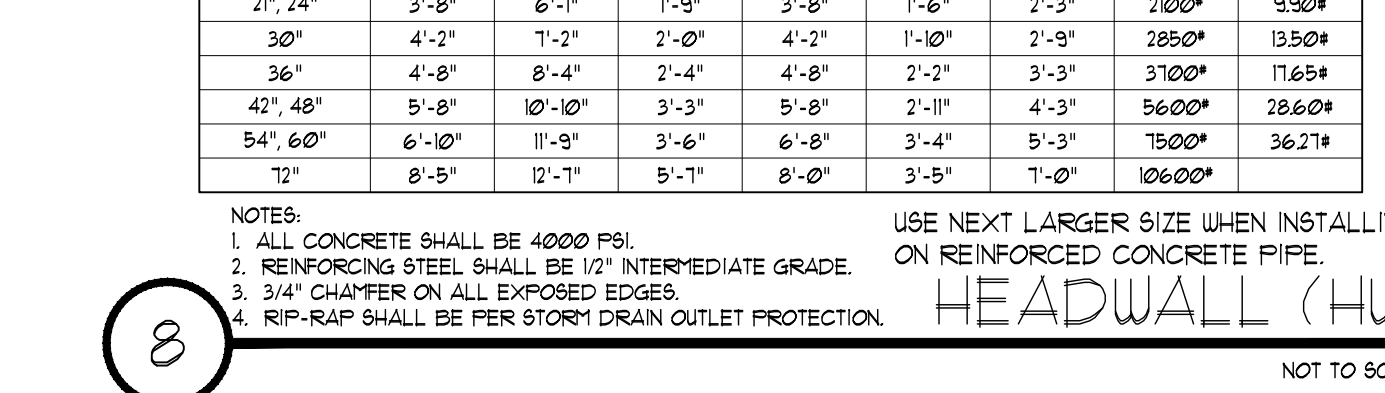


7 24\"/>

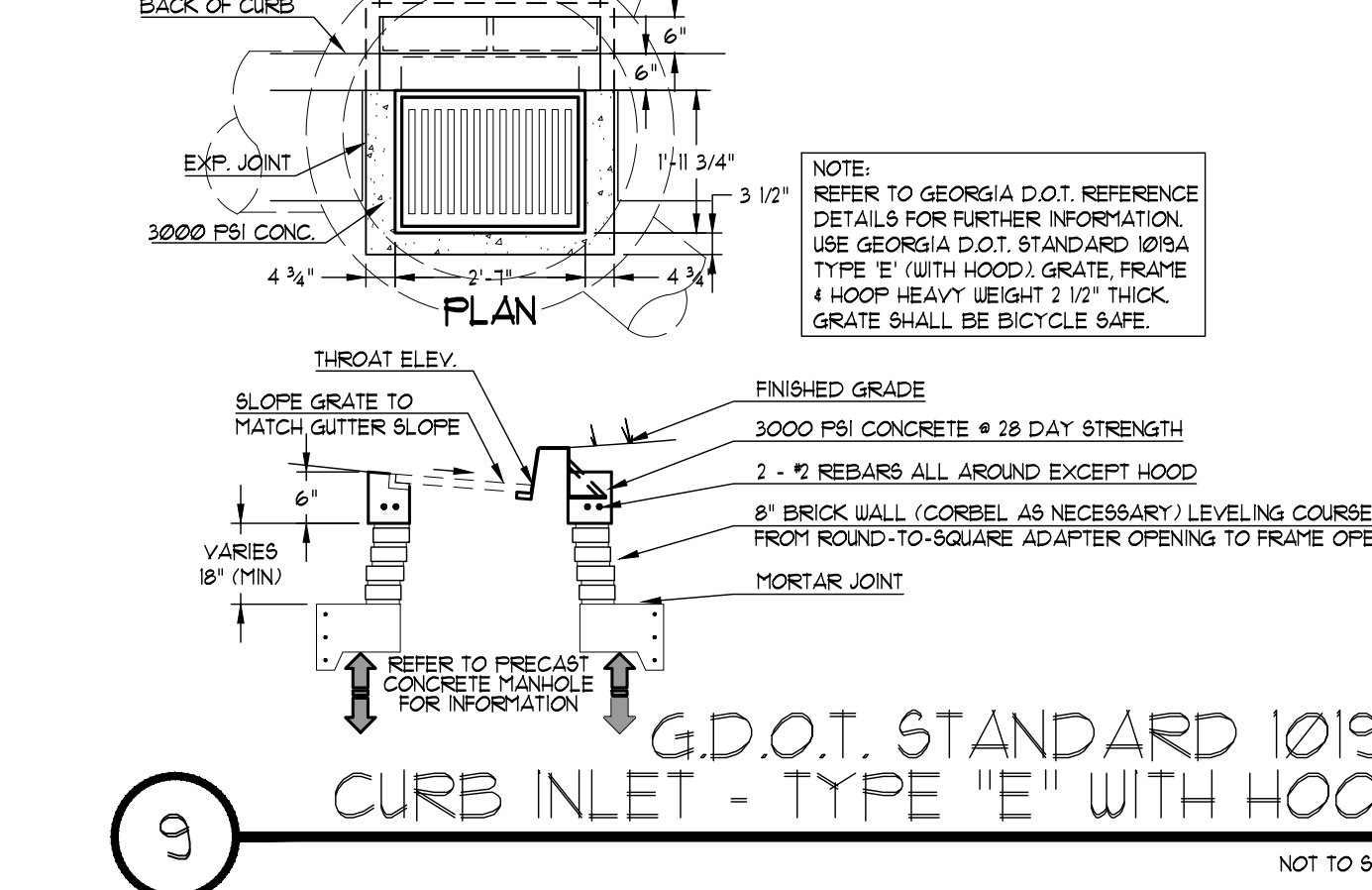
7 24\"/>



8 HEADWALL (HW) NOT TO SCALE

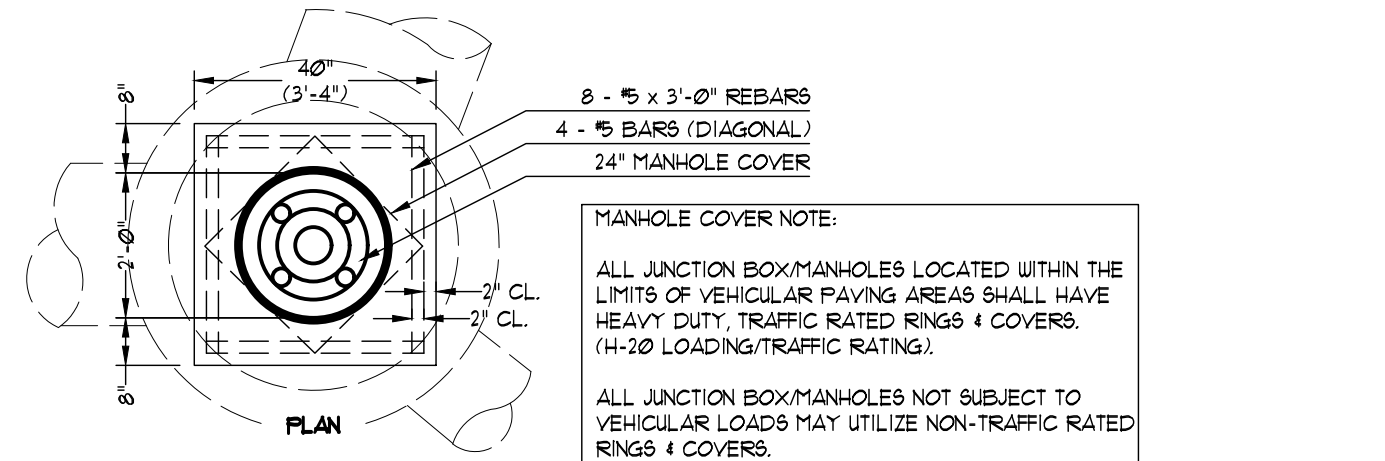


8 G.D.O.T. STANDARD 1019A CURB INLET - TYPE \"E\" WITH HOOD NOT TO SCALE

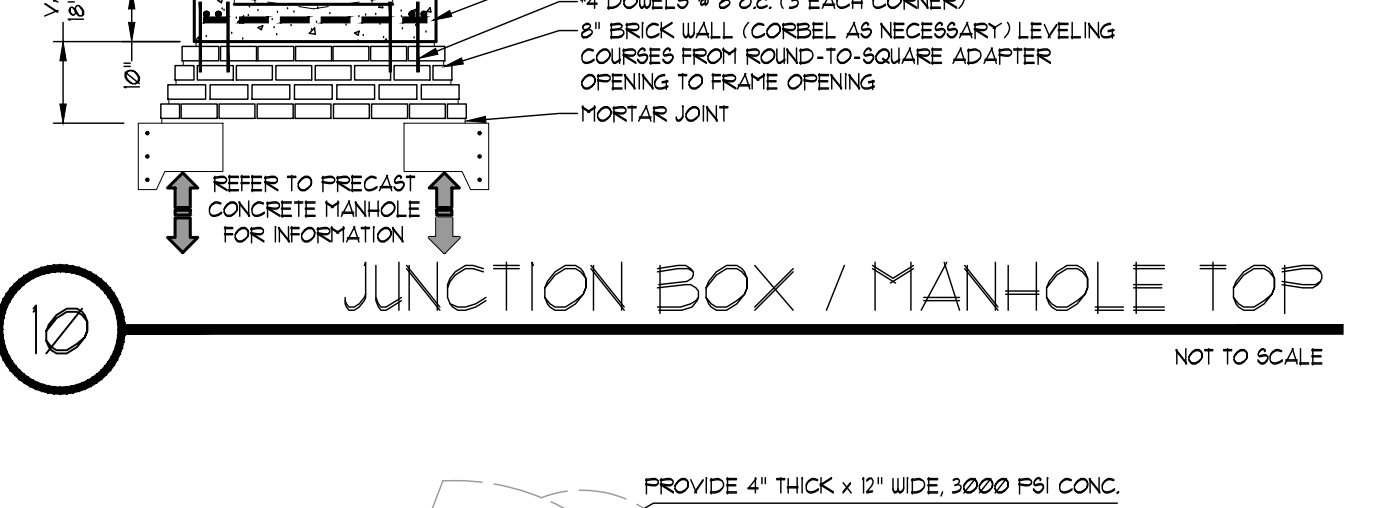


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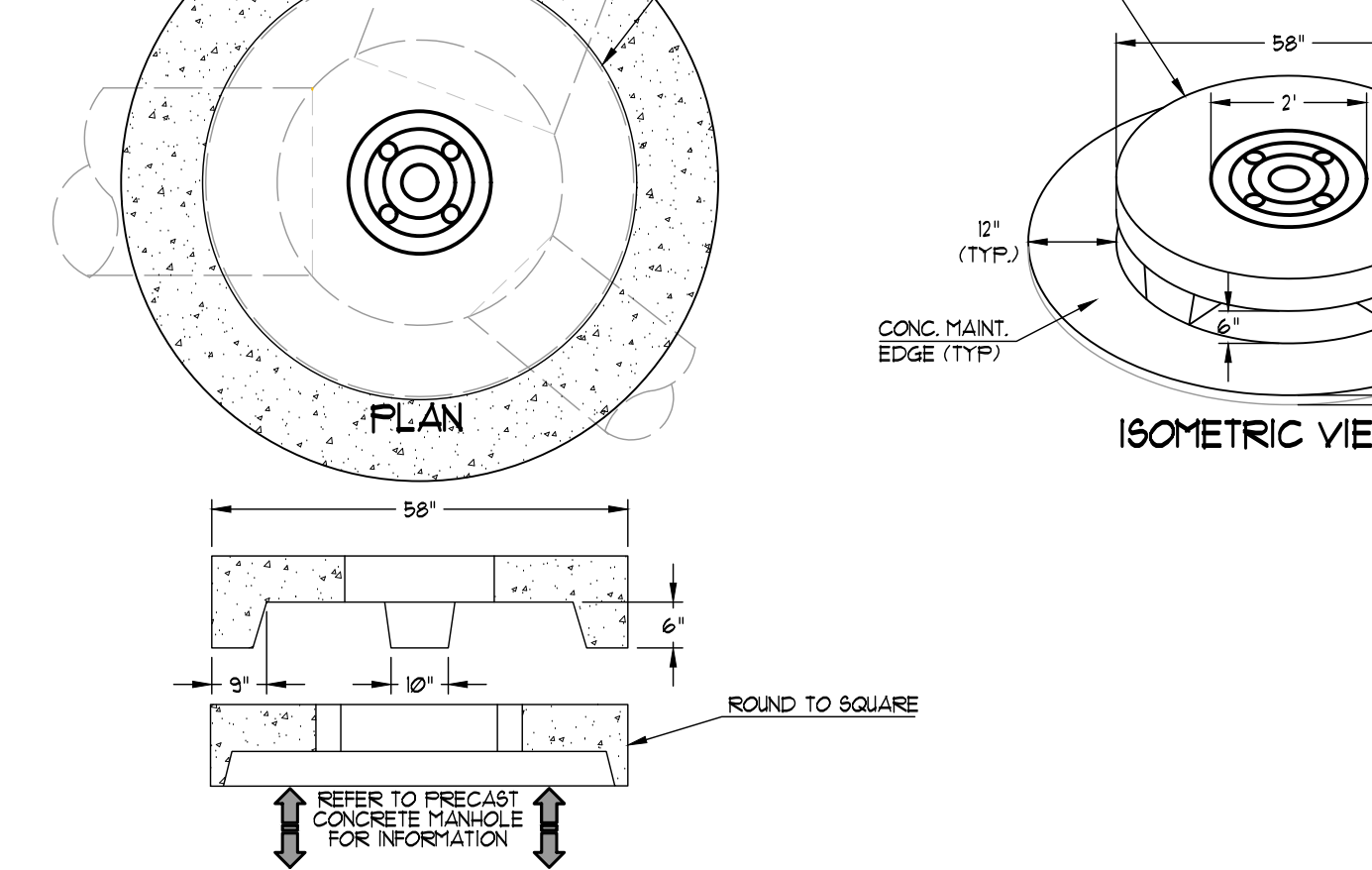
9 24\"/>



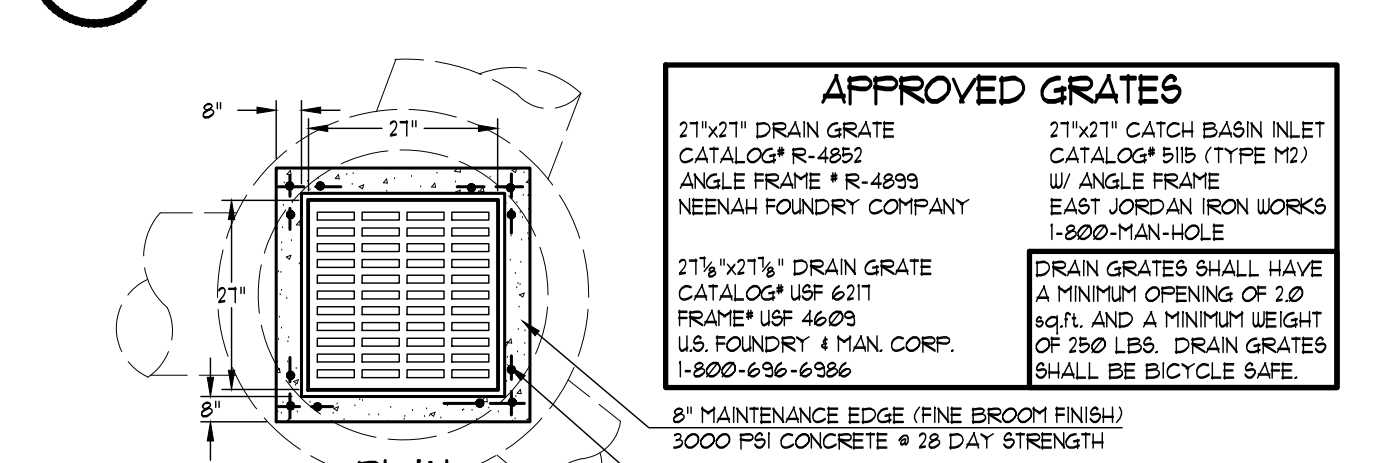
10 JUNCTION BOX / MANHOLE TOP NOT TO SCALE



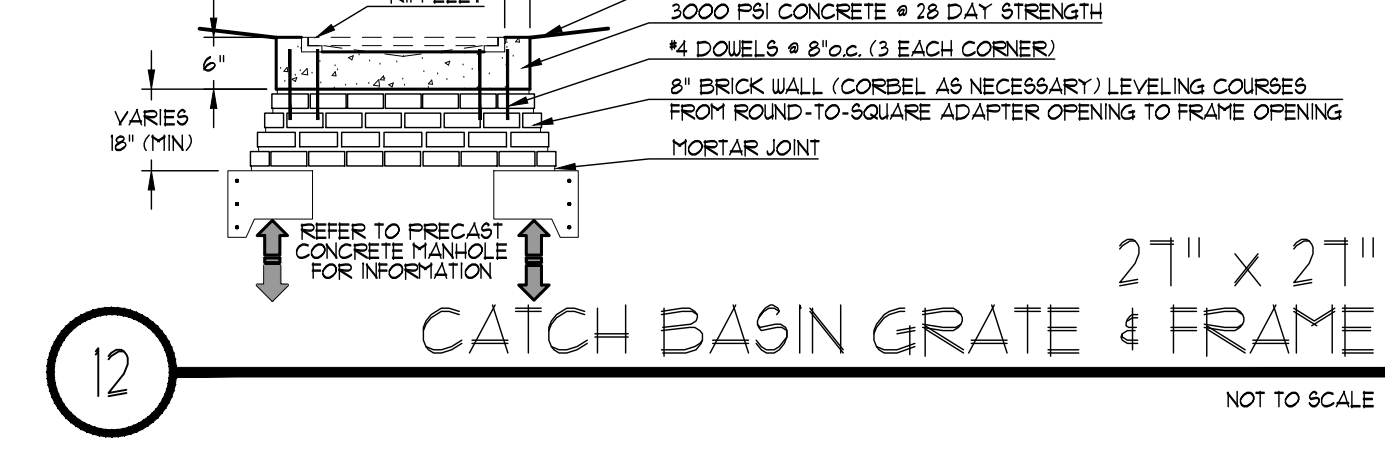
11 PRECAST DROP INLET (D.I.) NOT TO SCALE



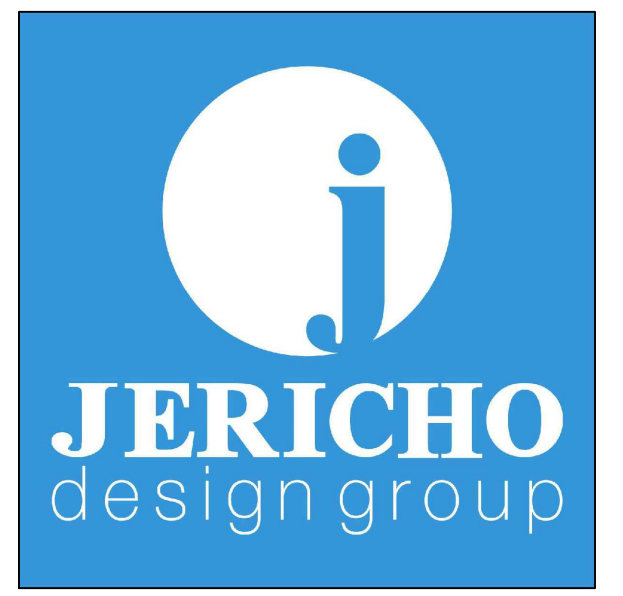
12 CATCH BASIN GRATE & FRAME NOT TO SCALE



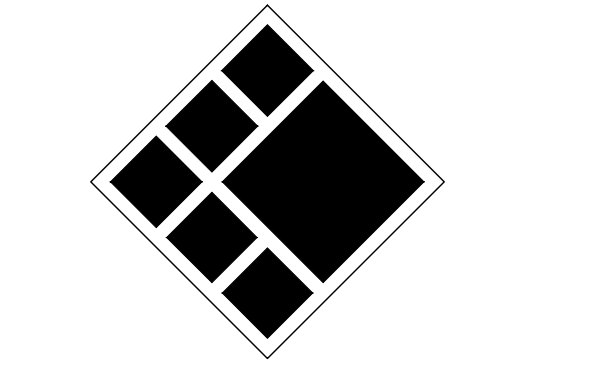
12 APPROVED GRATES



13 REINFORCED CONCRETE PIPE RCP STORM PIPE BEDDING NOT TO SCALE



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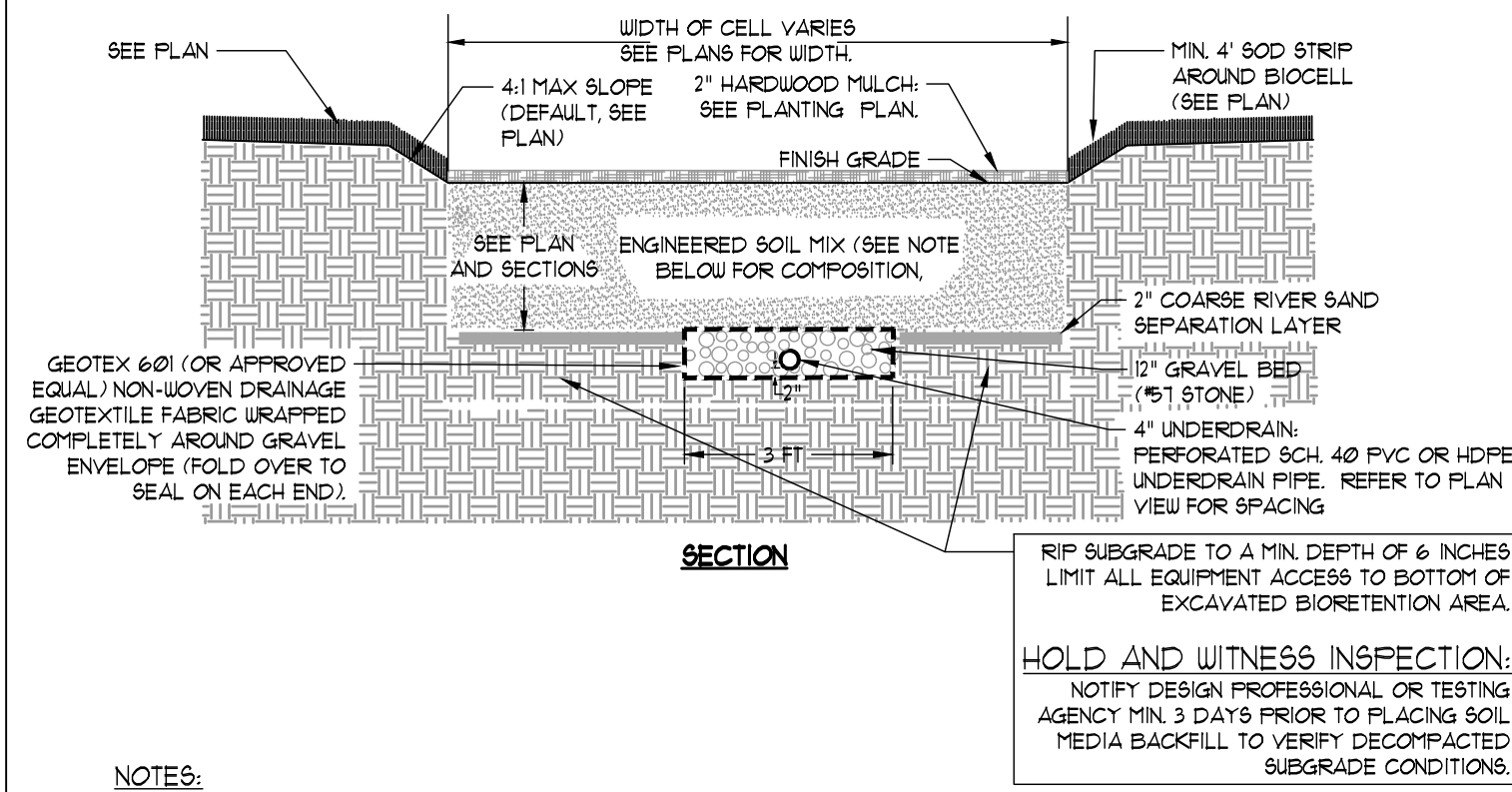
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Date: 05/05/2023  
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Sheet Title: SITE WORK CONSTRUCTION DETAILS

Sheet No.: C-7.00  
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**NOTES:**

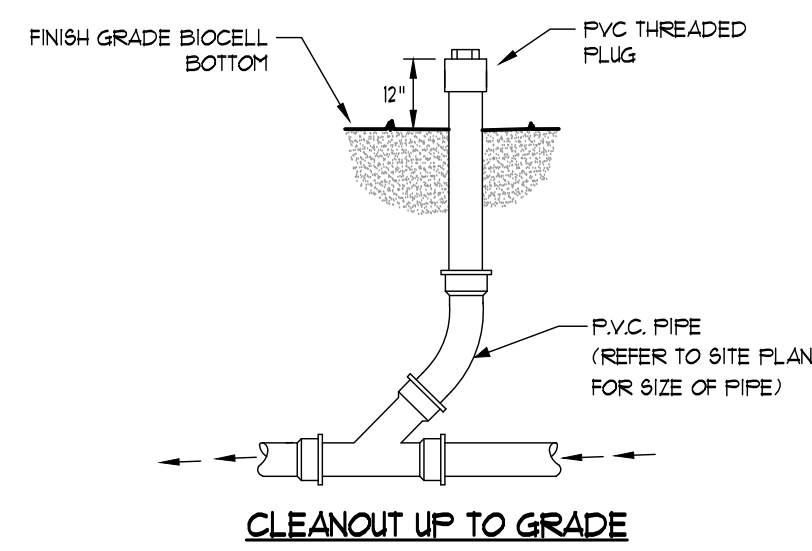
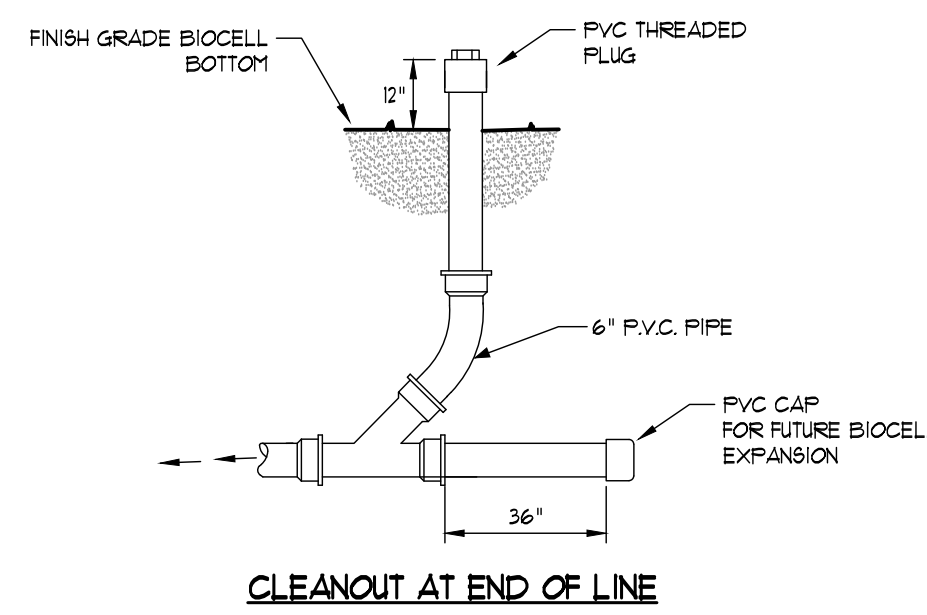
- BIOCELL SOIL MEDIA
- 80% COARSE WASHED SAND (0.075" TO 0.04" DIA. PER AASHTO M-6 OR ASTM C-33 CONC. SAND)/10% ORGANIC COMPOST
- 15% ORGANIC COMPOST
- 5% ON-SITE TOPSOIL

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 LETTED.

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

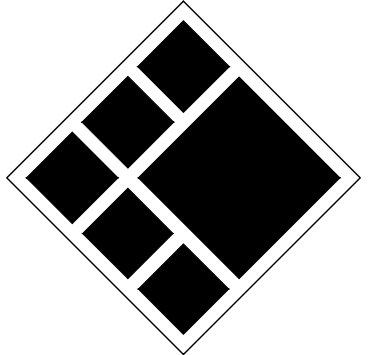
**1** **BIO-RETENTION CELL**  
 NOT TO SCALE



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

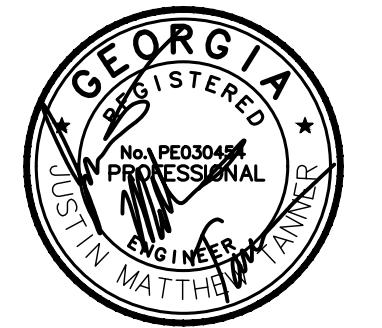


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**ROCKDALE COUNTY FIRE TRAINING CAMPUS**

**ROCKDALE COUNTY BOARD OF COMMISSIONERS**

LAND LOTS 213 & 236, 11TH DISTRICT  
 ROCKDALE COUNTY, GEORGIA 30012

**PRINT RECORD**

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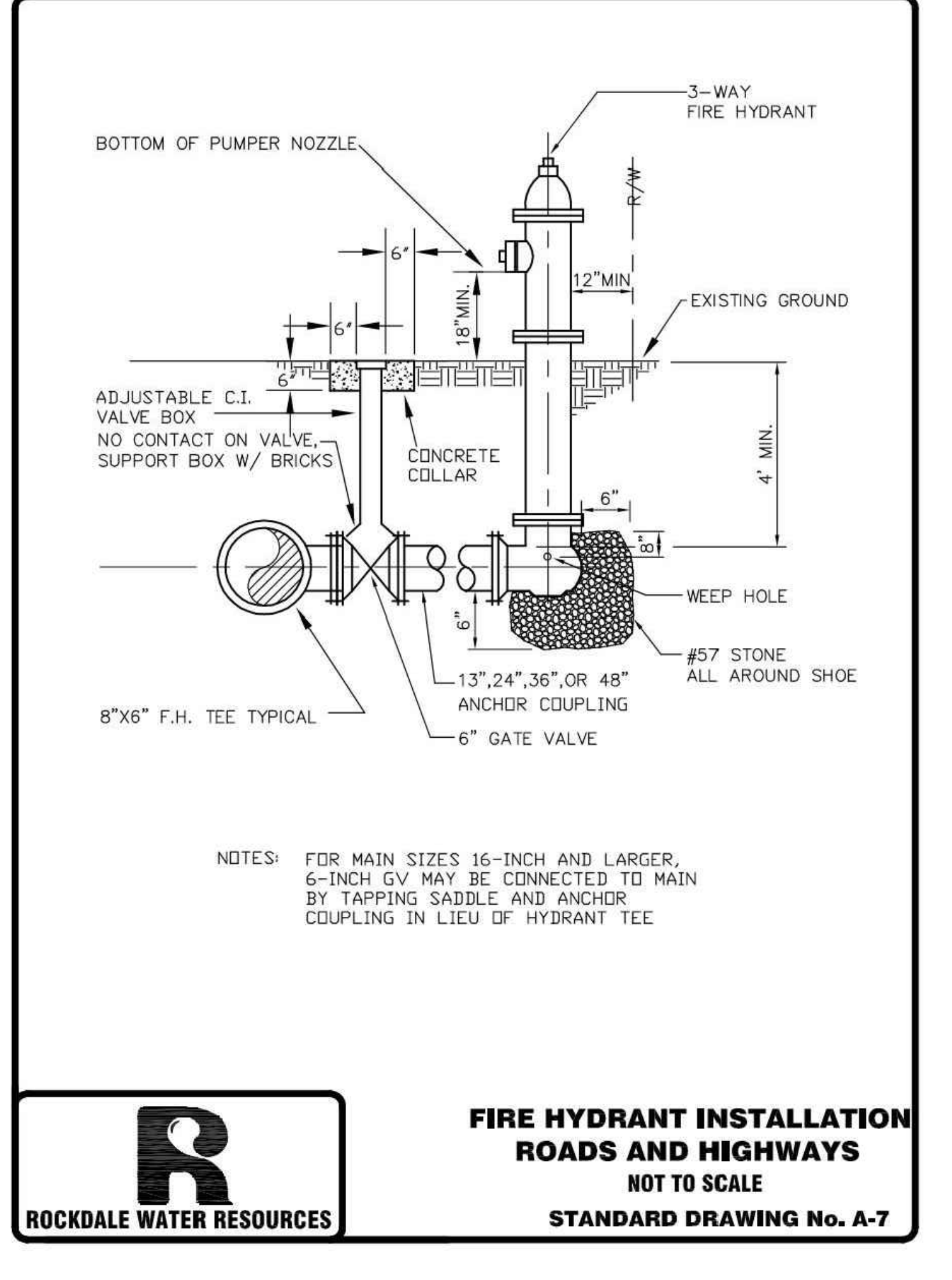
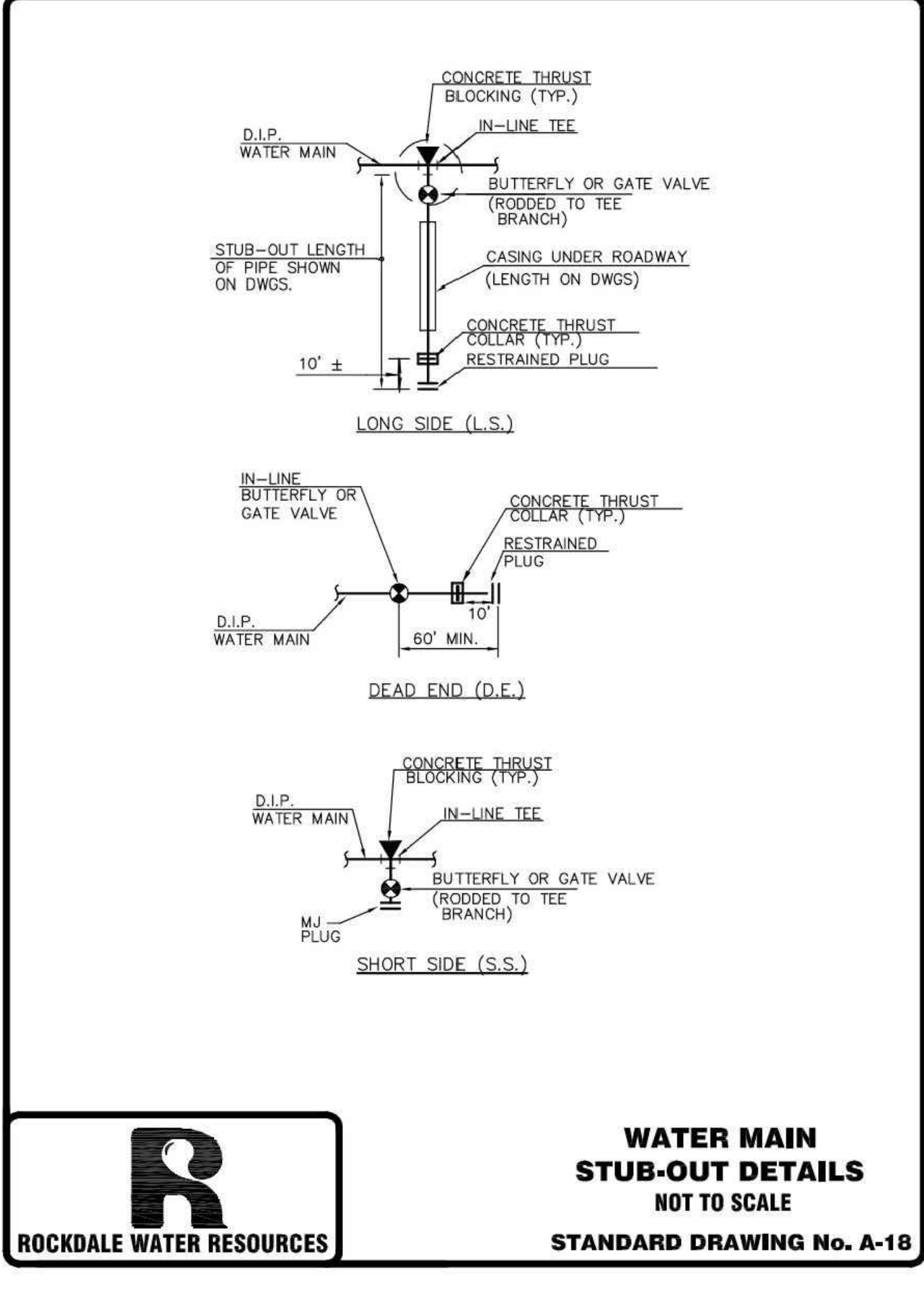
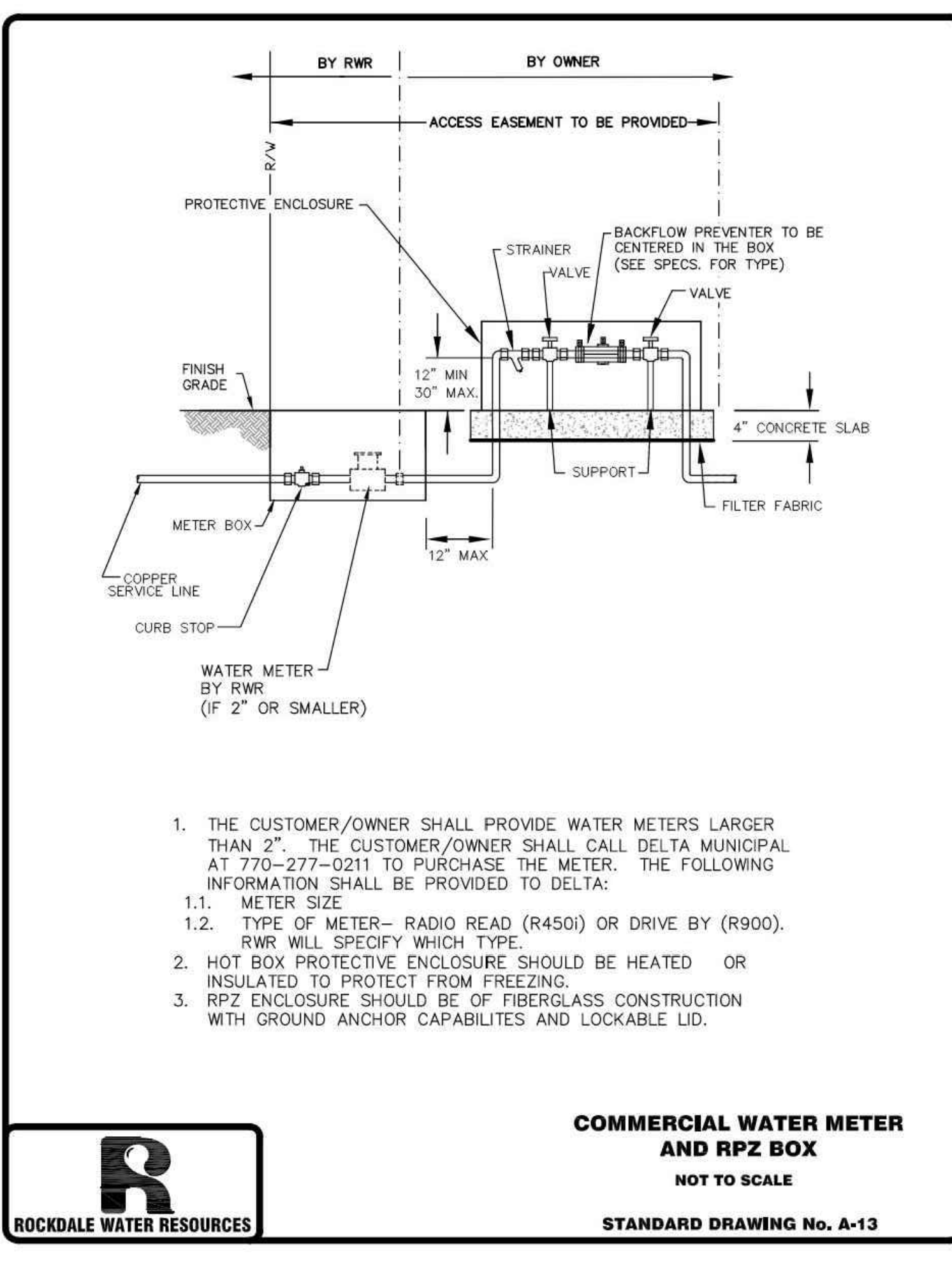
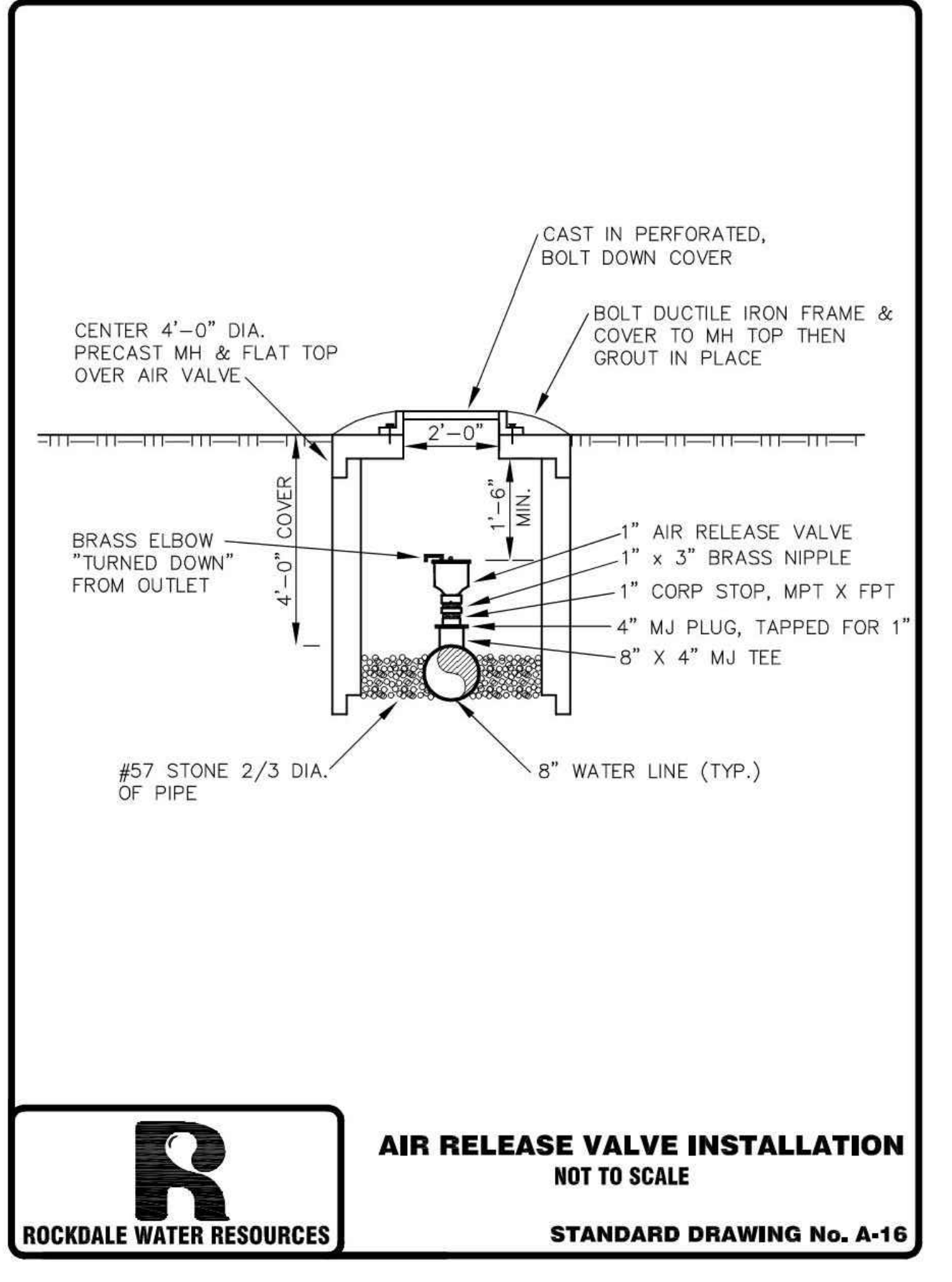
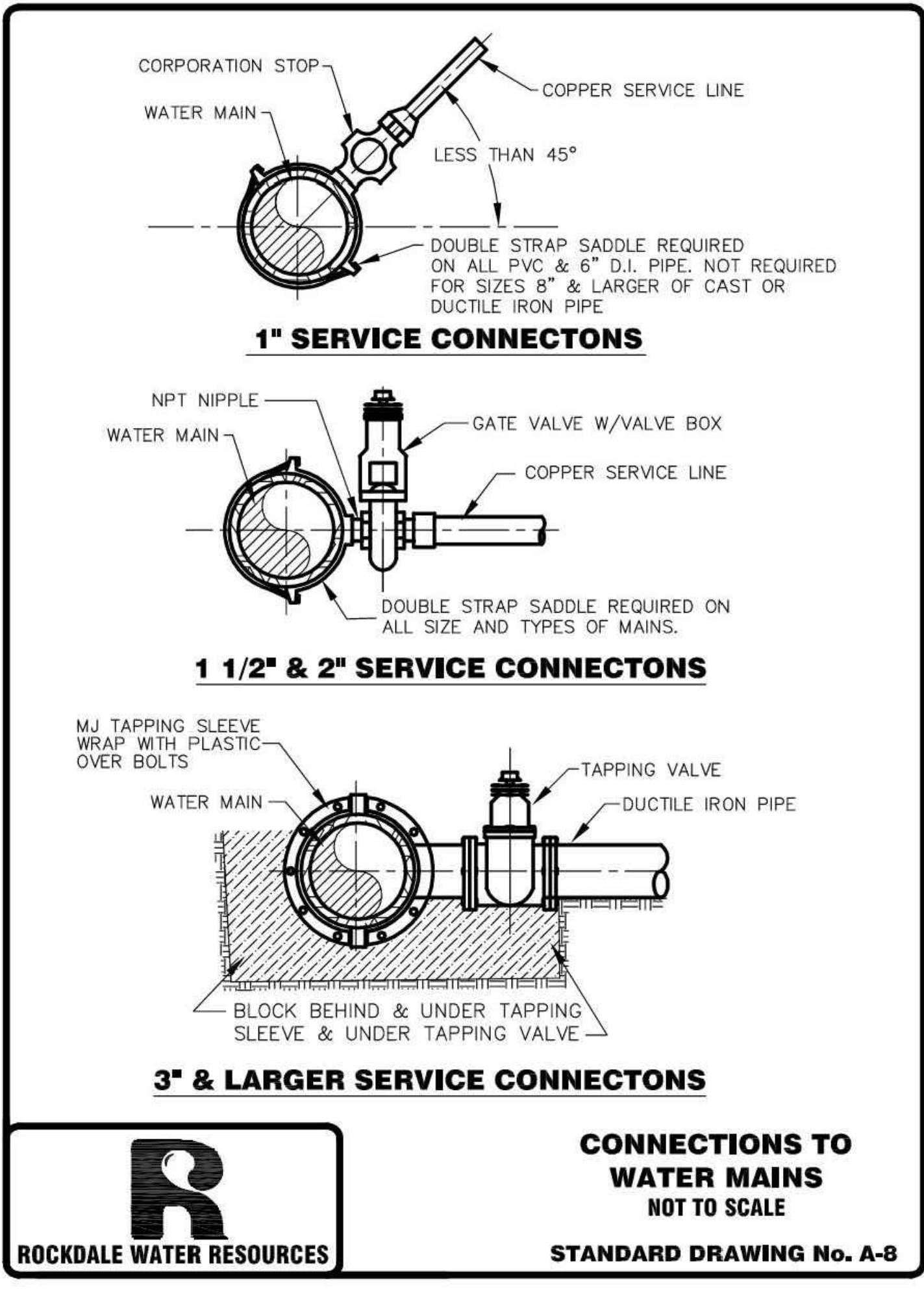
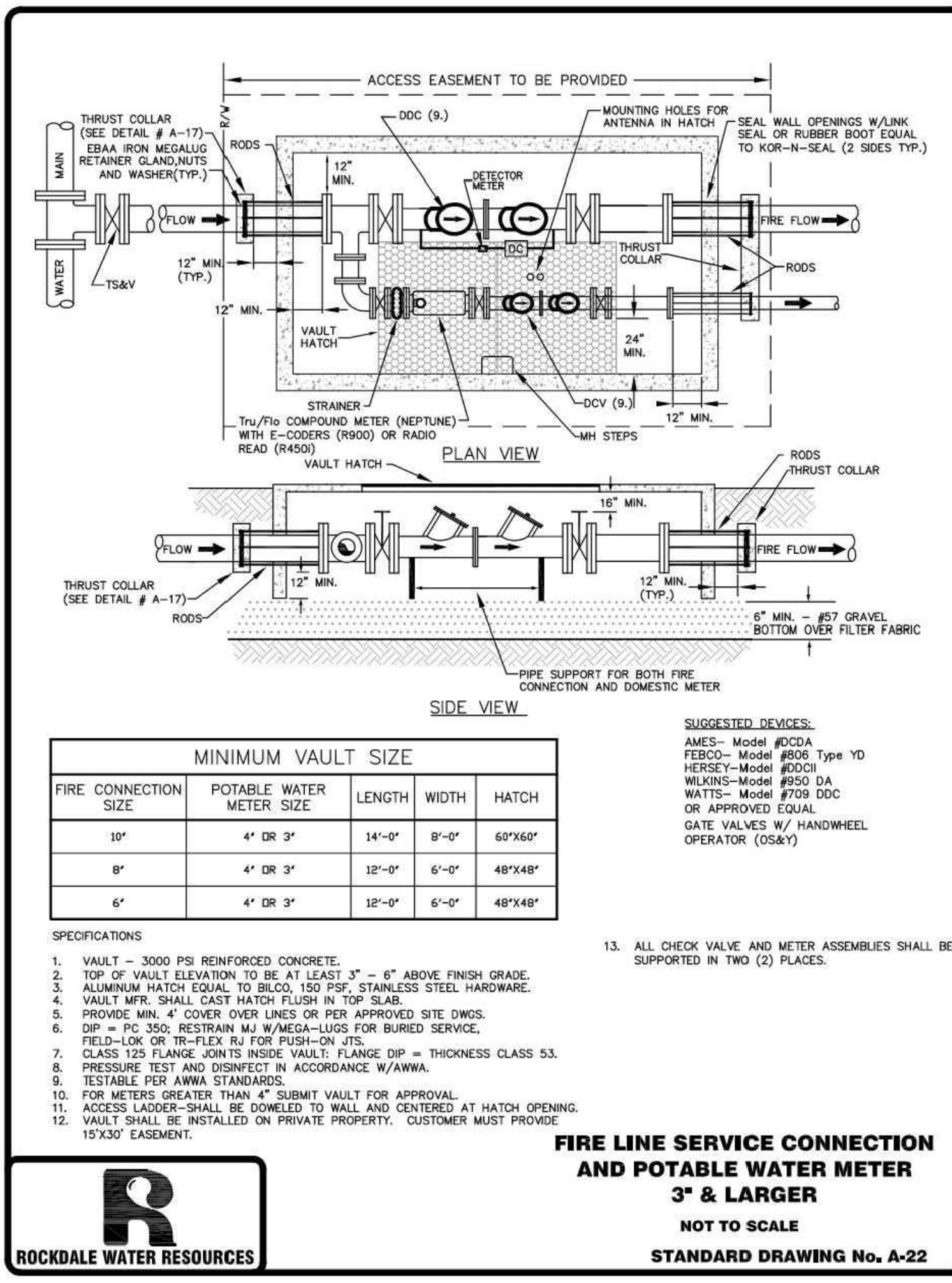
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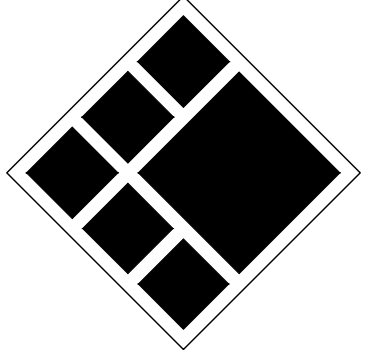
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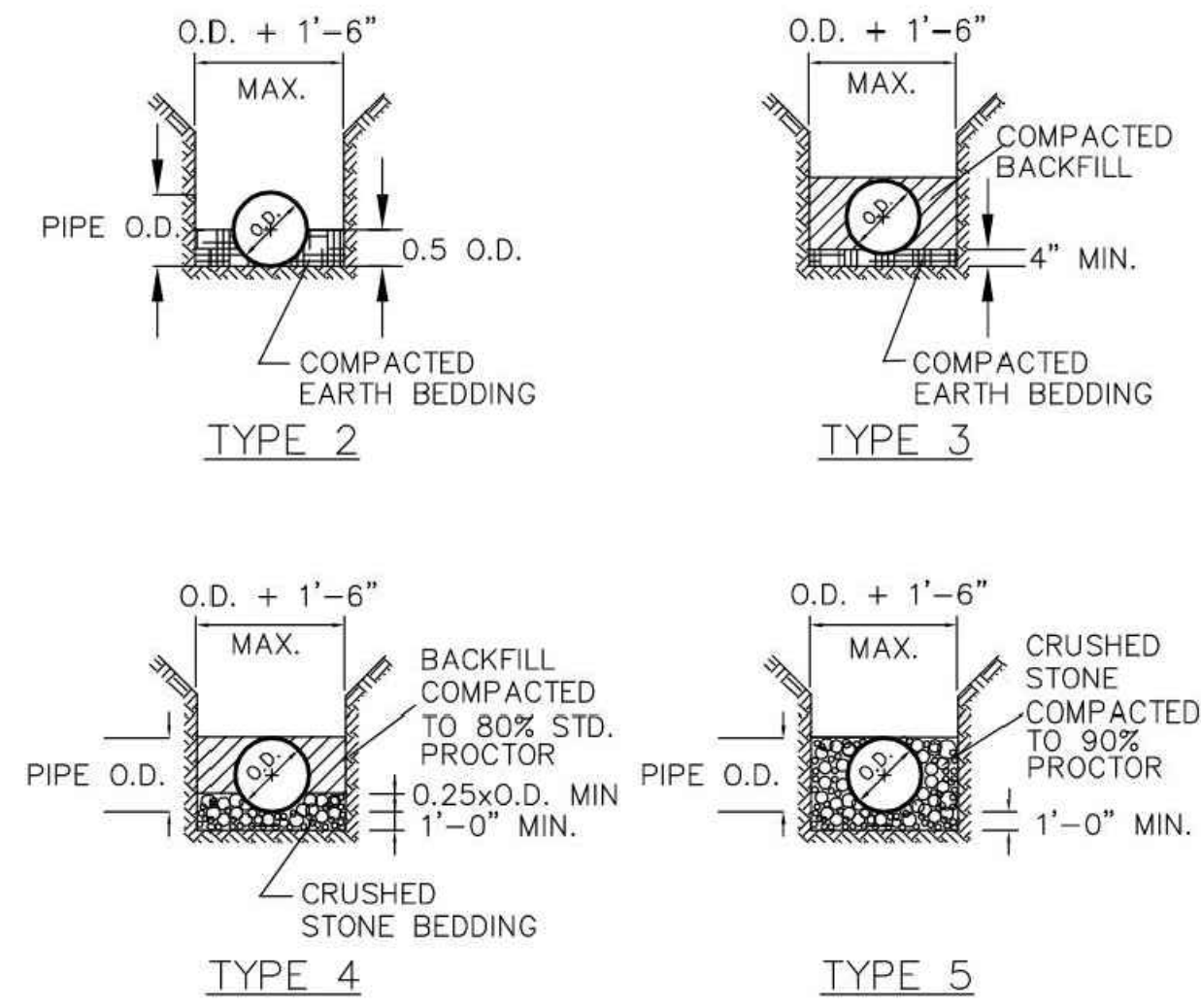
ROCKDALE COUNTY STANDARD DETAILS

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**C-7.10**

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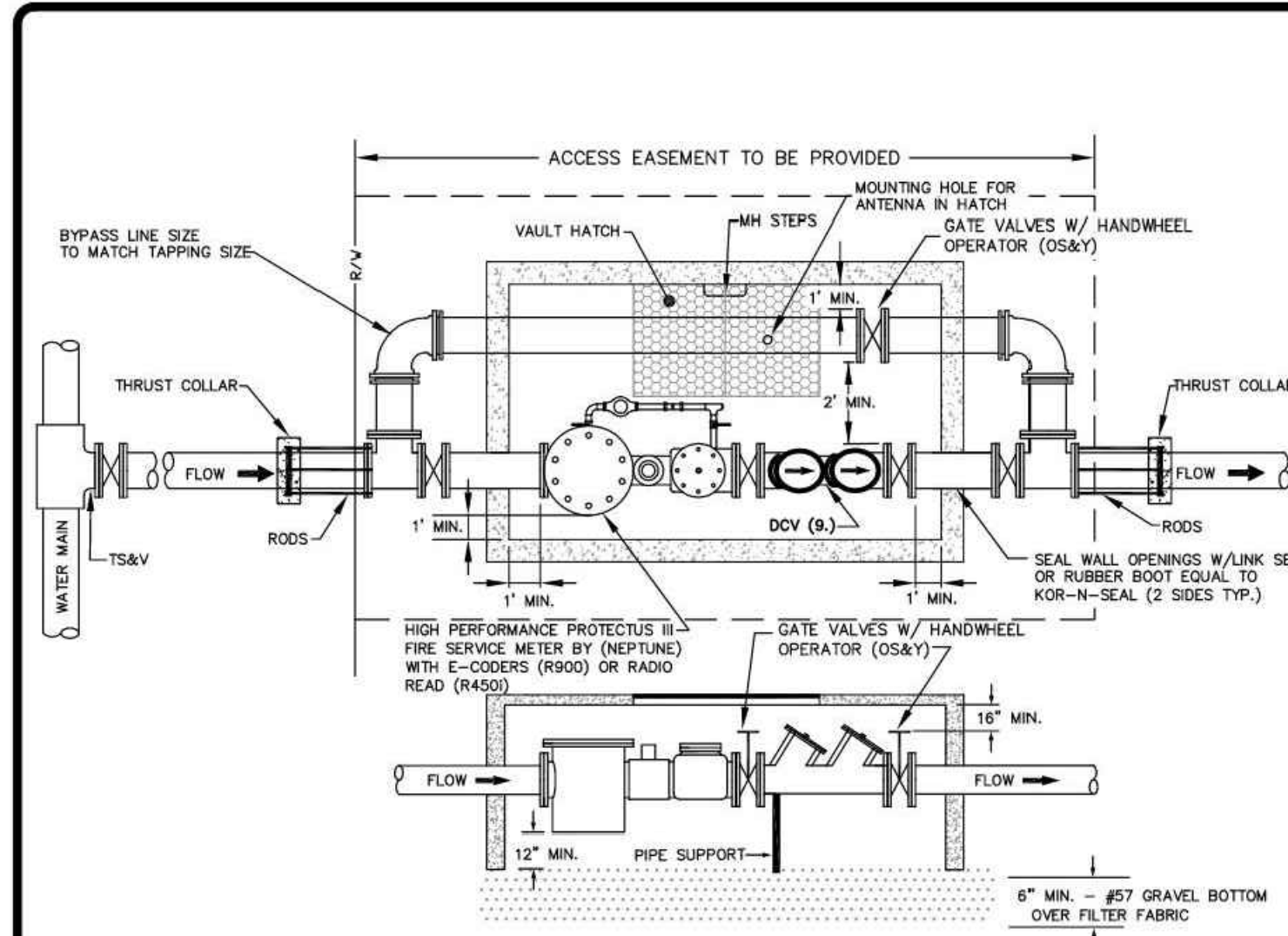




TYPICAL PIPE BEDDING DETAILS

**STANDARD LAYING CONDITION FOR PIPE NOT TO SCALE**

STANDARD DRAWING No. A-15

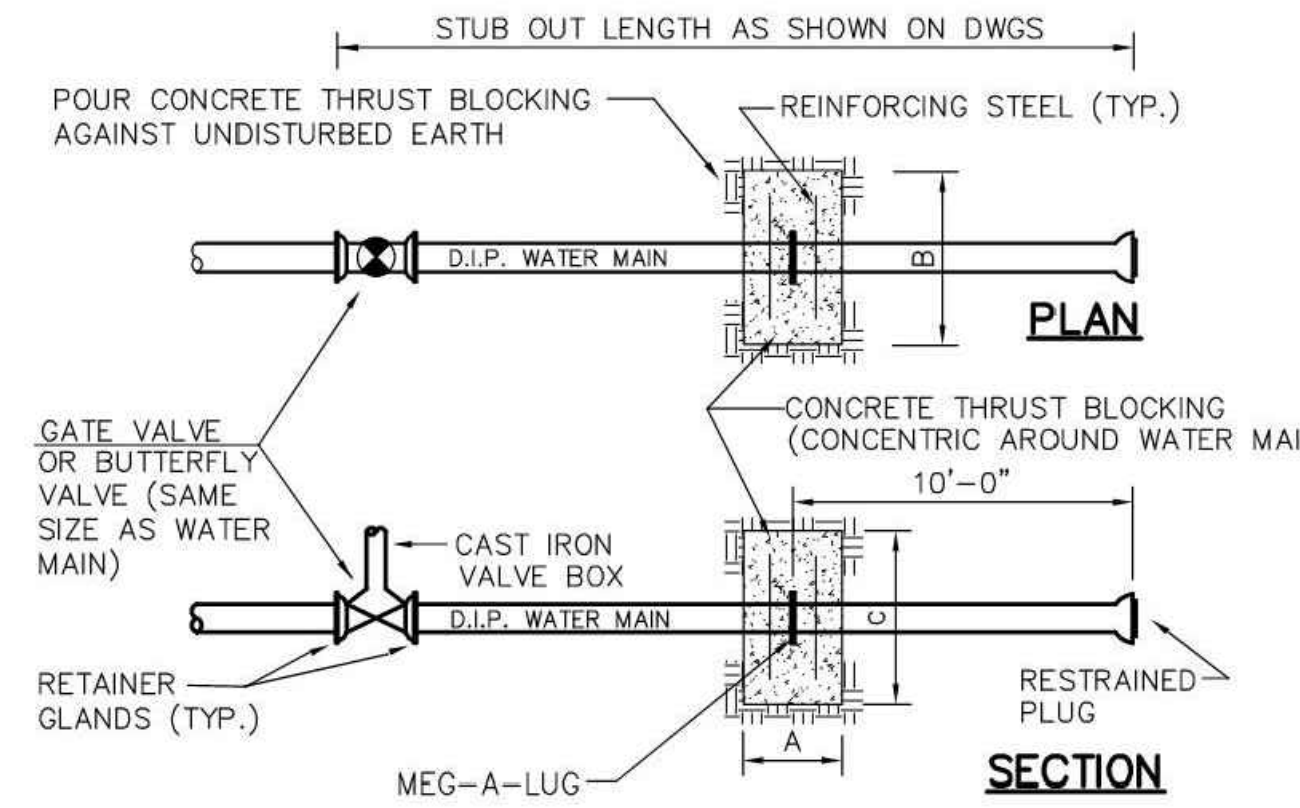


- SPECIFICATIONS**
1. VAULT - 3000 PSI REINFORCED CONCRETE.
  2. TOP OF VAULT ELEVATION TO BE AT LEAST 3" - 6" ABOVE FINISH GRADE.
  3. ALUMINUM HATCH EQUAL TO BELCO, 150 PSF, STAINLESS STEEL HDWR. SHALL HAVE HOLE IN HATCH FOR METER ANTENNA.
  4. VAULT MFR. SHALL CAST HATCH FLOSH IN TOP SLAB.
  5. PROVIDE MIN. 4" COVER OVER LINES OR PER APPROVED SITE DWGS.
  6. DIP = PC 350; RESTRAIN MJ W/ MEGA-LUGS FOR BURIED SERVICE, FIELD-LON OR TR-FLEX RJ FOR PUSH-ON JTS.
  7. CLASS 125 FLANGE JOINTS INSIDE VAULT; FLANGE DIP = THICKNESS CLASS 53.
  8. PRESSURE TEST AND DISINFECT IN ACCORDANCE W/ AWWA.
  9. DCV (DOUBLE CHECK VALVE) - TESTABLE PER AWWA STANDARDS.

- MINIMUM VAULT SIZES**
1. 14'-0" x 10'-0" Vault with 48"x48" Hatch
- SUGGESTED DEVICES:**
- AMES - Model #00A  
 FERCO - Model #506 Type 1D  
 HERSET - Model #300  
 WILKINS - Model #250 DA  
 WATTS - Model #709 DDC OR APPROVED EQUAL.

**LARGE WATER METER CONNECTION FOR 8" AND 10" METERS NOT TO SCALE**

STANDARD DRAWING No. A-20



WATER MAIN DIA.	CONC. COLLAR DIM.			STEEL REINFORCING
	A	B	C	
16"	2'-6"	6'-6"	6'-6"	#8 @ 12" O.C. EW EF
12"	2'-0"	5'-3"	5'-3"	#7 @ 12" O.C. EW EF
8"	1'-6"	4'-0"	4'-0"	#6 @ 12" O.C. EW EF

TEST PRESSURE: 250 PSI  
 SOIL BEARING PRESSURE: 2000 PSF

THRUST COLLARS

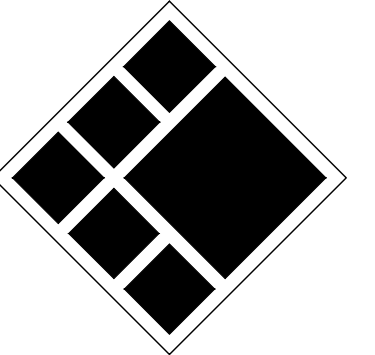
**THRUST COLLARS NOT TO SCALE**



STANDARD DRAWING No. A-17



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