#### **BOARD OF COMMISSIONERS**

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



<u>DEPARTMENT OF FINANCE</u> MICHELLE IRIZARRY, CFO TELEPHONE: 770-278-7555 FACSIMILE: 770-278-8910

#### Addendum No. 2

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

#### March 18, 2024

RFP #23-28 is hereby amended as follows:

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

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

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

Answer: No

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

Answer: Yes, County will take care of material testing

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

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

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

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

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**<u>F.</u> Question:** Are there any specifications for the fencing?

#### **Answer:** No

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

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

#### 7ina Malone

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

# ROCKDALE COUNTY FIRE TRAINING CAMPUS

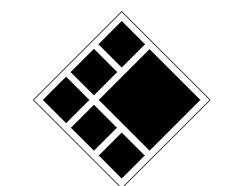
**3111 SW HIGHWAY 212** CONYERS, GEORGIA 30012

PREPARED FOR:

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

# 208 Pirkle Ferry Road, Suite C

Cumming, GA 30040



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

**BLP PROJ. NO. 22158** 



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ROCKDALE COUN COMMISSIONERS

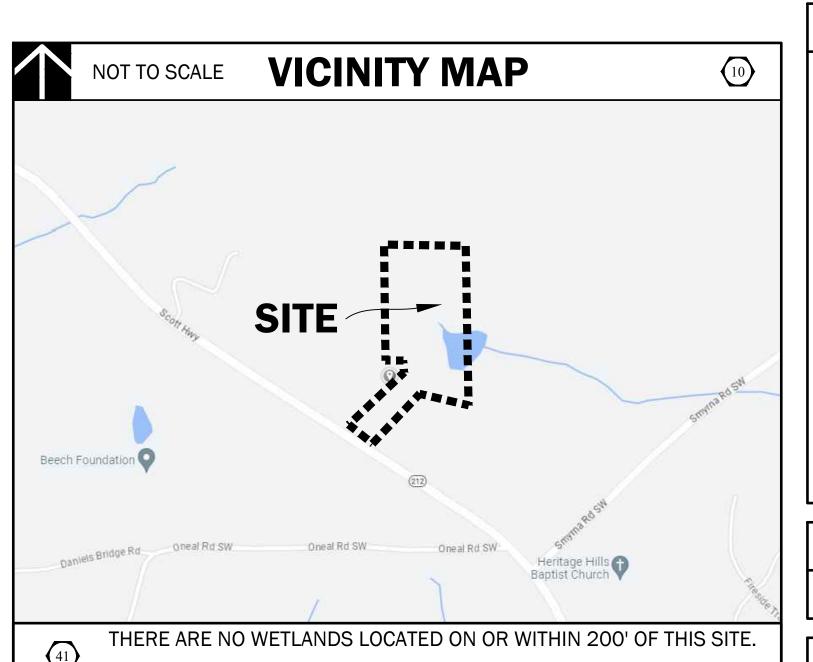
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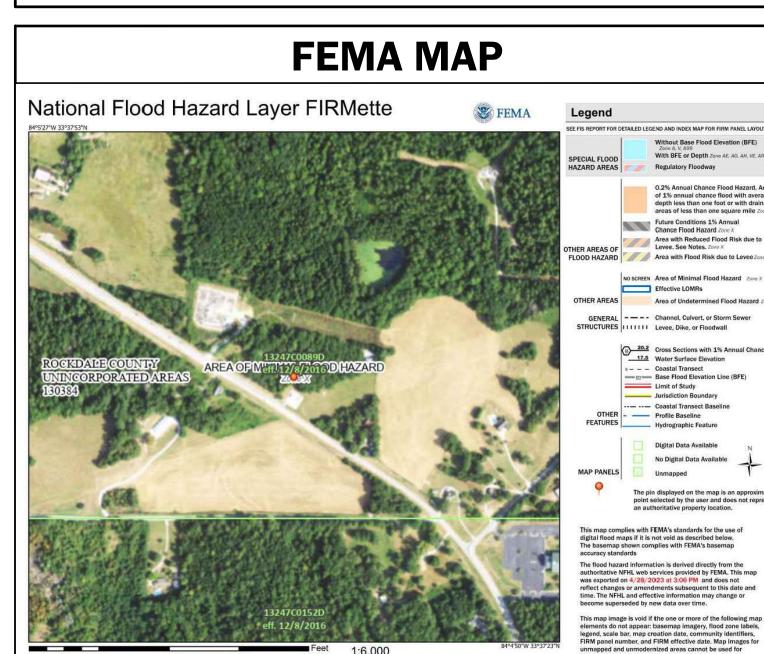
Job No.

Sheet No.

#### PROJECT INFORMATION



THERE ARE STATE WATERS LOCATED ON OR WITHIN 200' OF THIS SITE.



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

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

#### **ROCKDALE COUNTY NOTES**

TO THE SATISFACTION OF ROCKDALE COUNTY

With BFE or Depth Zone AE, AO, AH, VE. A

depth less than one foot or with drain areas of less than one square mile Zor

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

Jurisdiction Boundary

No Digital Data Available

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

#### **UTILITY LOCATION NOTES**

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

P. NOTIFY ROCKDALE COUNTY'S INSPECTOR 24 HOURS PRIOR TO BEGINNING EVERY PHASE OF DEMOLITION.

3. HIGH INTENSITY LIGHTING FACILITIES SHALL BE SO ARRANGED THAT THE SOURCE OF ANY LIGHT IS CONCEALED FROM PUBLIC VIEW AND FROM ADJACENT RESIDENTIAL PROPERTY AND DOES NOT INTERFERE

4. ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND FENCING PRIOR TO COMMENCEMENT OF ANY LAND DISTURBANCE

5. ACCESS TO SITE DURING CONSTRUCTION SHALL BE MAINTAINED AT ALL TIMES FOR EMERGENCY VEHICLES.

6. TEMPORARY SEDIMENT STORAGE FEATURES AND PERIMETER BMPS SHALL BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING. 1. NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER

TRAFFIC CONTROL METHODS AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION.

8. CUT AND FILL SLOPES SHALL NOT EXCEED TWO FEET (2') HORIZONTAL TO ONE FOOT (I') VERTICAL.

9. ANY DISCREPANCY FOUND BETWEEN SHEETS IN THIS SET SHALL BE REFERRED TO THE OWNERS REPRESENTATIVE AND SITE DESIGN PROFESSIONAL FOR CLARIFICATION PRIOR TO PROCEEDING WITH ANY CONSTRUCTION ACTIVITY

0. CONTRACTOR SHALL VERIFY ALL BENCH MARKS AND EXISTING SITE CONDITIONS PRIOR TO PROCEEDING WITH DEMOLITION ACTIVITY. I. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON-SITE. NO TOPSOIL SHALL BE REMOVED FROM SITE.

2. ALL CONSTRUCTION SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, COUNTY AND LOCAL CODES AND MINIMUM

STANDARDS AND SPECIFICATIONS. 3. ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR.

14. ALL GRADES SHOWN ARE FINISHED GRADES. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND GRADES.

5. TREES TO BE SAVED SHALL BE PROTECTED BY THE

6. CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATING EXISTING UTILITIES IDENTIFIED ON THESE PLANS AT NO ADDITIONAL COST TO 17. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE IN COMPLIANCE

REQUIREMENTS. CONTRACTOR SHALL BE RESPONSIBLE AS THE 18. COMPACTION OF BACKFILL SHALL BE PER ROCKDALE COUNTY

WITH APPLICABLE N.P.D.E.S. PERMITS AND CLEAN WATER ACT

19. THERE SHALL BE NO BURIAL OF CONSTRUCTION DEBRIS OR DRGANICS ON THIS SITE, CONTRACTOR SHALL DISPOSE OF DEBRIS IN A MANNER THAT MEETS ALL FEDERAL, STATE, COUNTY, AND LOCAL

REGULATIONS SET FORTH BY THE GOVERNING AGENCY. 20. APPROVAL OF THESE PLANS DOES NOT CONSTITUTE APPROVAL BY ROCKDALE COUNTY OF ANY LAND DISTURBING ACTIVITIES WITHIN WETLAND AREAS. IT IS THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONTACT THE APPROPRIATE REGULATORY AGENCY FOR APPROVAL OF ANY WETLAND AREA DISTURBANCE.

21. ALL CONSTRUCTION TO COMPLY WITH ROCKDALE COUNTY STANDARDS.

#### **LAYOUT & STAKING SITE UTILITIES** ----W--- DOMESTIC WATER FH FIRE HYDRANT DETAIL REFERENCE ( SHEET\* PIVO POST INDICATOR VALVE TB CONCRETE THRUST BLOCKING G.DO.T. TYPE 4010 VEHICULAR GUARDRAI WV ₩ WATER VALVE **PAVEMENT MARKINGS** - S - GRAVITY SANITARY SEWER PARKING ARROW - STRAIGHT, WHITE **GENERAI** PAINTED CROSSWALK - WHITE -TP-TREE PROTECTION FENCE ADA PARKING ACCESS AISLE - BLUE ---- LIMITS OF CONSTRUCTION PAINTED WORD "STOP" - WHITE EXISTING TREE TO BE REMOVED PAINTED WORD "ONLY" - WHITE STORM DRAINAGE SIGNAGE STORM STRUCTURE LABEL HEADWALL STOP SIGN - MUTCD STANDARD RI-1 FLARED END SECTION - GDOT **FE**6 STANDARD 1122 SAFETY END SECTION - GDOT YIELD SIGN - MUTCD STANDARD RI-2 STANDARD 1122 CATCH BASIN / GRATE INLET NO PARKING SIGN - MUTCD STANDARD R8-3a JUNCTION BOX DROP INLET - PEDESTAL TOP OO NOT ENTER SIGN - MUTCD STANDARD R5-CURB INLET - GDOT STANDARD 10/19a / TYPE 'E' HOOD ONE WAY SIGN - MUTCD STANDARD R6-2 SWCB SINGLE-WING CATCH BASIN -DOT STANDARD 1033D DOUBLE-WING CATCH BASIN - GDOT SITE GRADING STANDARD 1034D OUTLET CONTROL STRUCTURE 52 PROPOSED INTERMEDIATE CONTOURS TOP OF STRUCTURE ELEVATION TSO PROPOSED INDEX CONTOURS THROAT OF STRUCTURE ELEVATION HIGH-DENSITY POLYETHYLENE PIPE ALUMINIZED STEEL TYPE 2 PIPE +H.P. HIGH POINT 4ST2 SPIRAL RIB CMP (MANNING'S =0.012, ULTRAFLOW (TM) OR +L.P. LOW POINT APPROVED EQUAL DUCTILE IRON PIPE REINFORCED CONCRETE PIPE (CLASS Y OR Y) W/ RUBBER O-RING GASKET POLYVINYL CHLORIDE PIPE SLOPE INDICATOR (H:V) SCHEDULE 40) +TW 50.5 FINISHED GRADE AT TOP OF WALL NVERT ELEVATION - IN INVERT ELEVATION - OUT +BW 50.5 FINISHED GRADE AT BOTTOM OF WALL INY. OUT HYDRAULIC GRADE LINE

+TC 50.5 TOP OF CURB ELEVATION

**SITE PLAN LEGENDS** 

#### 6 7 **PROJECT DATA** SW HIGHWAY 212, CONYERS, GA 30012 TAX PARCELS: Ø13ØØ1Ø29B LAND LOTS: 213 4 236 ZONING: EXISTING USE: UNDEVELOPED FIRE TRAINING CAMPUS PROPOSED USE: TOTAL AREA OF SITE: 72.45 ACRES DISTURBED AREA: 815 ACRES EXISTING IMPERVIOUS 0.00 ACRES IMPERVIOUS AREA: LOCAL ISSUING AUTHORITY: ROCKDALE COUNTY (LDP) PERMIT NUMBER:

ROCKDALE COUNTY

ROCKDALE COUNTY

SEWER AUTHORITY

PERMIT NUMBER:

WATER AUTHORITY

www.Georgia811.com GEORGIA LAW MANDATES THAT, BEFORE BEGINNING ANY MECHANIZED DIGGING OR EXCAYATION WORK, YOU MUST CONTACT GEORGIA 811 BY USING EREQUEST ON WWW.GEORGIASII.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 NO SEPARATE THIS SET OF DRAWINGS INTO INDIVIDUAL SHEETS

24-HOUR EROSION CONTACT 4 4 01/16/2024 ROCKDALE COUNTY BOC EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV

PHONE NUMBER: 678-387-7081 **CALL BEFORE YOU DIG** 

**SHEET INDEX** 

TOPOGRAPHIC SURVEY 1 OF 2

TOPOGRAPHIC SURVEY 2 OF 2

DEMOLITION & REMOVAL PLAN

**ES&PC PLAN - PERIMETER PHASE** 

**ES&PC PLAN - INTERMEDIATE PHASE** 

SITE WORK CONSTRUCTION DETAILS

SITE WORK CONSTRUCTION DETAILS

**ROCKDALE COUNTY STANDARD DETAILS** 

ROCKDALE COUNTY STANDARD DETAILS

ES&PC PLAN - INITIAL PHASE

ES&PC PLAN - FINAL PHASE

**GRADING & DRAINAGE PLAN ROADWAY** 

STAKING & LAYOUT PLAN

STORM DRAINAGE PLAN

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PIPE PROFILES

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NPDES NOTES

**ES&PC DETAILS** 

**ES&PC DETAILS** 

**ES&PC DETAILS** 

WATER LINE PLAN

TREE PROTECTION PLAN

UTILITY PLAN

SHEET#

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C0.20

C1.00

C1.50

C2.00

C3.00

C3.05

C3.10

C4.00

C4.20

C4.30

C4.40

C5.00

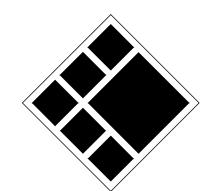
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**COVER SHEET** 





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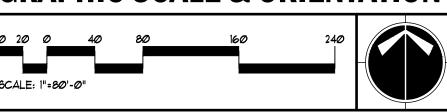
**BLP PROJ. NO. 22158** 



## 24-HOUR EROSION CONTACT 4

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

## **GRAPHIC SCALE & ORIENTATION**



#### **UTILITY LOCATION NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE TO SECURE THE SERVICES OF A PRIVATE UTILITY LOCATOR FIRM DURING THE ENTIRE COURSE OF CONSTRUCTION. CONTRACTOR SHALL PAY FOR SAID SERVICES.
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  CONTRACTOR SHALL PROVIDE ADDITIONAL BACKFILL AND COMPACTION AS NECESSARY, IF SETTLEMENT OCCURS.

## **CALL BEFORE YOU DIG**



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

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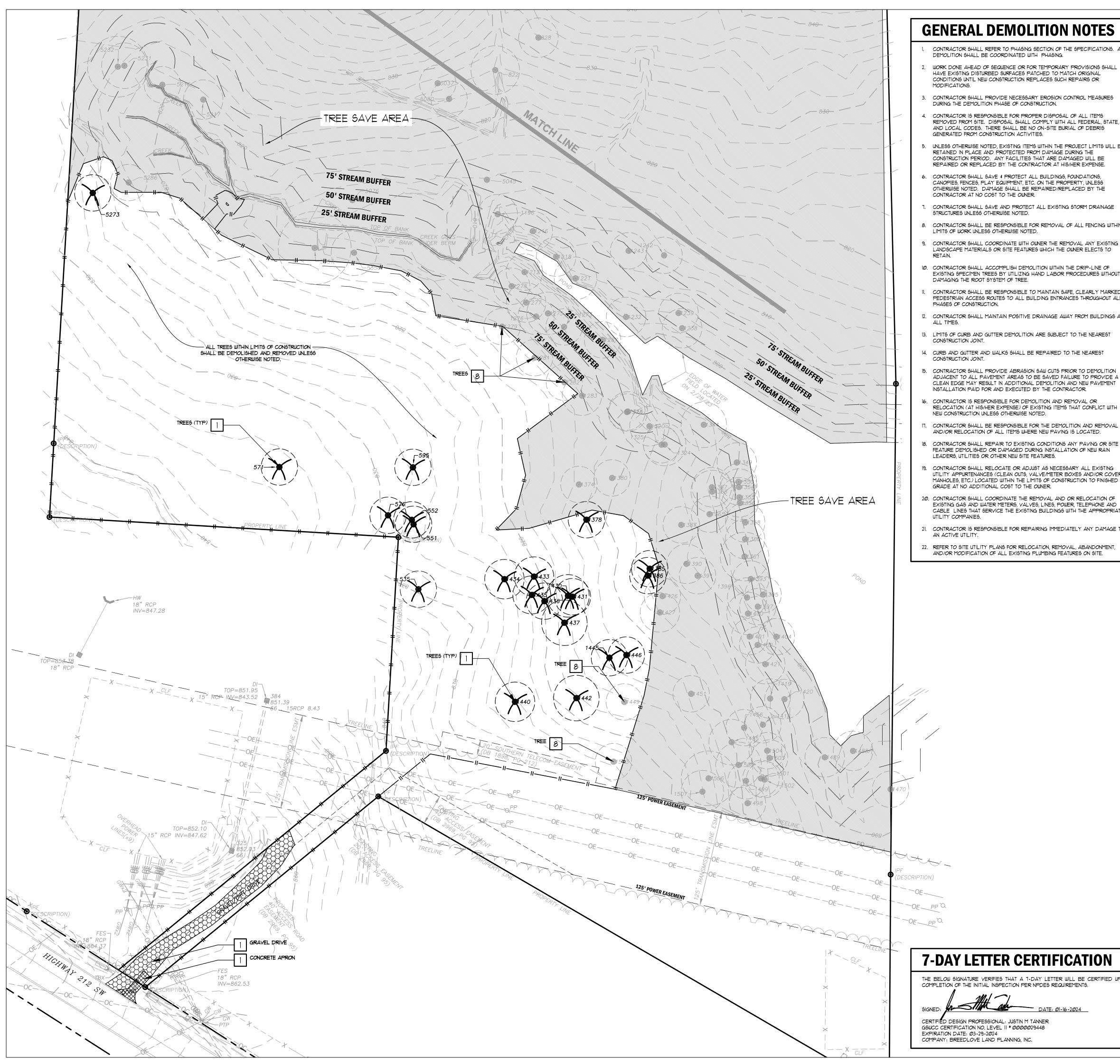
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ROCKDALE COUNT COMMISSIONERS

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JRQ	ВАМ
Date	Job No.
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MASTER PLAN

Sheet No.



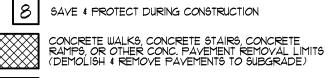
#### **GENERAL DEMOLITION NOTES**

- CONTRACTOR SHALL REFER TO PHASING SECTION OF THE SPECIFICATIONS. ALL DEMOLITION SHALL BE COORDINATED WITH PHASING.
  - WORK DONE AHEAD OF SEQUENCE OR FOR TEMPORARY PROVISIONS SHALL HAVE EXISTING DISTURBED SURFACES PATCHED TO MATCH ORIGINAL CONDITIONS UNTIL NEW CONSTRUCTION REPLACES SUCH REPAIRS OR
  - CONTRACTOR SHALL PROVIDE NECESSARY EROSION CONTROL MEASURES DURING THE DEMOLITION PHASE OF CONSTRUCTION.
  - CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF ALL ITEMS REMOVED FROM SITE. DISPOSAL SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES. THERE SHALL BE NO ON-SITE BURIAL OF DEBRIS GENERATED FROM CONSTRUCTION ACTIVITIES.
  - 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.
- 10. 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
- 13. 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 HIS/HER EXPENSE) OF EXISTING ITEMS THAT CONFLICT WITH NEW CONSTRUCTION UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND REMOVAL AND/OR RELOCATION OF ALL ITEMS WHERE NEW PAYING IS LOCATED.
- CONTRACTOR SHALL REPAIR TO EXISTING CONDITIONS ANY PAVING OR SITE FEATURE DEMOLISHED OR DAMAGED DURING INSTALLATION OF NEW RAIN LEADERS, UTILITIES OR OTHER NEW SITE FEATURES.
- CONTRACTOR SHALL RELOCATE OR ADJUST AS NECESSARY ALL EXISTING UTILITY APPURTENANCES (CLEAN OUTS, VALVE/METER BOXES AND/OR COVERS, MANHOLES, ETC.) LOCATED WITHIN THE LIMITS OF CONSTRUCTION TO FINISHED GRADE AT NO ADDITIONAL COST TO THE OWNER.
- EXISTING GAS AND WATER METERS, VALVES, LINES, POWER, TELEPHONE AND CABLE LINES THAT SERVICE THE EXISTING BUILDINGS WITH THE APPROPRIATE UTILITY COMPANIES.
- CONTRACTOR IS RESPONSIBLE FOR REPAIRING IMMEDIATELY ANY DAMAGE TO
- 22. REFER TO SITE UTILITY PLANS FOR RELOCATION, REMOVAL, ABANDONMENT AND/OR MODIFICATION OF ALL EXISTING PLUMBING FEATURES ON SITE.

#### **DEMOLITION LEGEND**

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

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



ASPHALT PAVEMENT REMOVAL LIMITS (DEMOLISH REMOVE PAVEMENTS TO SUBGRADE)

GRAVEL REMOVAL LIMITS (DEMOLISH & REMOVE TO SUBGRADE) BUILDING STRUCTURE DEMOLITION LIMITS CONTRACTOR SHALL COORDINATE DEMOLITION OF ALL BUILDING UTILITIES WITH ARCHITECT & MEP)

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

IMITS OF CONSTRUCTION ACTIVITY

TREE REMOVAL AREA

EXISTING TREE TO BE REMOVED

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

# 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**

208 Pirkle Ferry Road, Suite C

Cumming, GA 30040



## 24-HOUR EROSION CONTACT 4

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

PHONE NUMBER: 618-381-1081

#### **GRAPHIC SCALE & ORIENTATION**

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

ROCKDALE COUN COMMISSIONERS

**DESCRIPTION** 

LDP SUBMITTAL

LDP RESUBMITTAL

LDP RESUBMITTAL

LDP RESUBMITTAL

**Sheet Title** 

05/05/2023

**PRINT RECORD** 

No. DATE

1 07/31/2023

2 09/07/2023

3 10/12/2023

4 01/16/2024

**DEMOLITION AND** REMOVAL PLAN

Sheet No.

NOT RELEASED FOR CONSTRUCTION

# 7-DAY LETTER CERTIFICATION

THE BELOW SIGNATURE VERIFIES THAT A 1-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

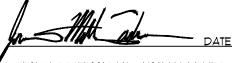
CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER

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



# 7-DAY LETTER CERTIFICATION

THE BELOW SIGNATURE VERIFIES THAT A 1-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.



CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER GSWCC CERTIFICATION NO. LEVEL 11 \* 0000029448 EXPIRATION DATE: Ø3-29-2Ø24 COMPANY: BREEDLOVE LAND PLANNING, INC.

#### **PAVING LEGEND**



HEAVY DUTY ASPHALT



# **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 ARCHITECTS APPROVAL BEFORE POURING ANY FOOTINGS.
- 4. REFER TO ARCHITECTURAL PLANS FOR ACTUAL BUILDING DIMENSIONS.
- 5. ALL DIMENSIONS ARE TO THE FACE OF CURBS AND FACE OF WALLS.
- 6. ALL ANGLES ARE 90° UNLESS OTHERWISE NOTED.
- CURB AND GUTTER RADII ARE 5' UNLESS OTHERWISE NOTED.

#### **GRAPHIC SCALE & ORIENTATION**

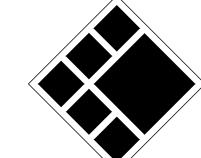
- CONTRACTOR SHALL BE RESPONSIBLE TO SECURE THE SERVICES OF A PRIVATE UTILITY LOCATOR FIRM DURING THE ENTIRE COURSE OF CONSTRUCTION.
- CONTRACTOR SHALL IMMEDIATELY REPAIR ALL UTILITIES DAMAGED BY CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO THE OWNER.
- NECESSARY, IF SETTLEMENT OCCURS.

#### **CALL BEFORE YOU DIG**



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

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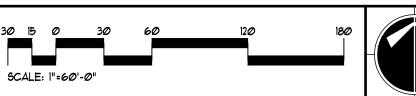
BREEDLOVE LAND PLANNING Landscape Architects ◆ Civil Engineers 15 Simpson Street, NW, Atlanta, GA 30308 P: 770-483-1173 ◆ www.landplanning.net

**BLP PROJ. NO. 22158** 



#### **24-HOUR EROSION CONTACT**

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





#### **UTILITY LOCATION NOTES**

- CONTRACTOR SHALL PAY FOR SAID SERVICES.
- 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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#### DO NOT BREAK OR DUPLICATE

1. DO NOT DUPLICATE DRAWINGS WITHOUT PERMISSION.

# ROCKDALE (TRAIINNG CA

PRINT RECORD					
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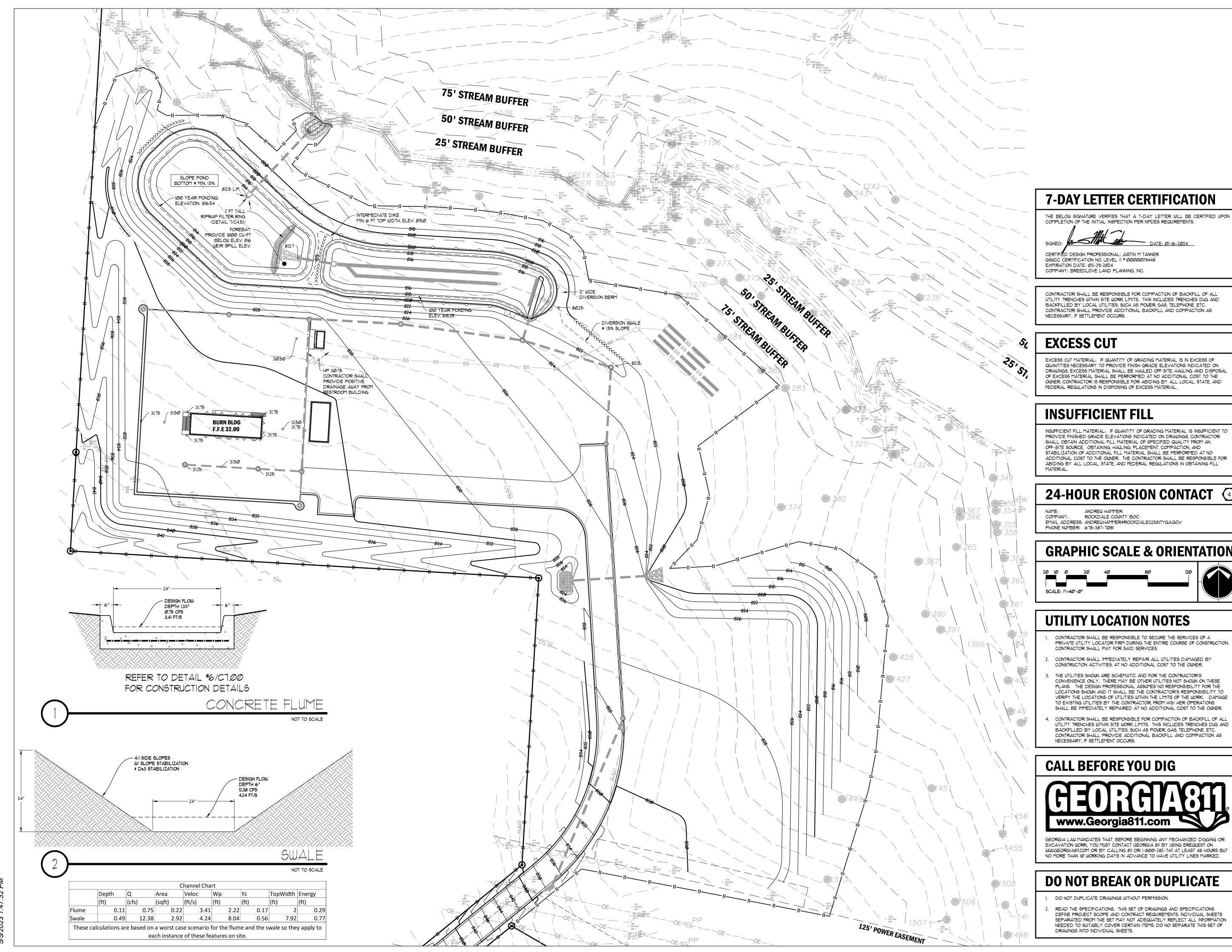
ROCKDALE COUNT COMMISSIONERS

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

**Sheet Title** 

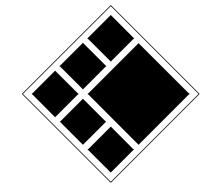
STAKING AND LAYOUT PLAN

Sheet No.



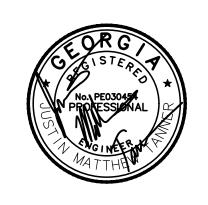


208 Pirkle Ferry Road, Suite C Cumming, GA 30040



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**BLP PROJ. NO. 22158** 



## **INSUFFICIENT FILL**

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER

COMPANY: BREEDLOVE LAND PLANNING, INC.

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

CONTRACTOR SHALL BE RESPONSIBLE FOR COMPACTION OF BACKFILL OF ALL

UTILITY TRENCHES WITHIN SITE WORK LIMITS. THIS INCLUDES TRENCHES DUG AND

DRAWINGS, EXCESS MATERIAL SHALL BE HAULED OFF SITE. HAULING AND DISPOSAL

OUNER CONTRACTOR IS RESPONSIBLE FOR ABIDING BY ALL LOCAL, STATE, AND

#### 24-HOUR EROSION CONTACT

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

PHONE NUMBER: 678-387-7081

## **GRAPHIC SCALE & ORIENTATION**



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# COUNT ROCKDALE (TRAIINNG CA

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ROCKDALE COUNT COMMISSIONERS

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

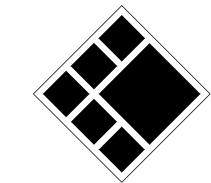
**GRADING PLAN** 

Sheet No.

**Sheet Title** 



208 Pirkle Ferry Road, Suite C Cumming, GA 30040



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**BLP PROJ. NO. 22158** 



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

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# 24-HOUR EROSION CONTACT 4

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

#### **GRAPHIC SCALE & ORIENTATION**



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ROCKDALE COUNT COMMISSIONERS

Drawn By Checked By Job No. Date

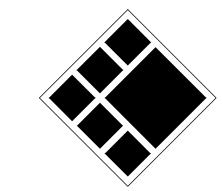
05/05/2023

**Sheet Title** 

**GRADING &** DRAINAGE PLAN **ROADWAY** 

Sheet No.





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** 



## **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.

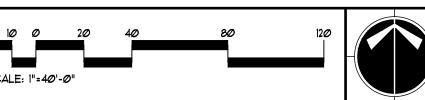
CONTRACTOR SHALL CONSTRUCT THE DETENTION BASIN WITHIN <u>CALENDAR</u>

<u>DAYS</u> 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**

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

# **GRAPHIC SCALE & ORIENTATION**



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01/16/2024	LDP RESUBMITTAL
	09/07/2023 10/12/2023

ROCKDALE COUN COMMISSIONERS

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DAM
Checked By

**Sheet Title** 

STORM DRAINAGE

Sheet No.



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

**BLP PROJ. NO. 22158** 



HYDRAULIC GRADE LINE CONTRACTOR SHALL CONSTRUCT THE DETENTION BASIN WITHIN \_\_\_\_\_ CALENDAR

DAYS OF ARRIVAL ON SITE WITH CONSTRUCTION EQUIPMENT. THIS INCLUDES COMPLETE GRADING, STORM PIPE SYSTEM, INSTALLATION OF GRASSING,

7-DAY LETTER CERTIFICATION

COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

CERTIFIED DESIGN PROFESSIONAL JUSTIN M. TANNER

GSWCC CERTIFICATION NO. LEVEL II \* 0000029448

PIPE PROFILE LEGEND

ALUMINIZED STEEL TYPE 2

DROP INLET (PEDESTAL TOP.

SINGLE WING CATCH BASIN DOUBLE WING CATCH BASIN

BEE HIVE CATCH BASIN CURB INLET (GA. D.O.T. STD.)

FLARED END SECTION SAFETY END SECTION INVERT ELEVATION

(MANNING'S n=0.012)

JUNCTION BOX

CATCH BASIN

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

ALUMINIZED STEEL TYPE 2 SMOOTH BORE

POLYVINYL CHLORIDE PIPE (SCHEDULE 40)

COMPANY: BREEDLOVE LAND PLANNING, INC.

EXISTING GRADE PROPOSED GRADE

EXPIRATION DATE: Ø3-29-2024

HDPE

AST2-SB

1Ø19A

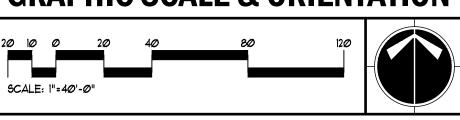
THE BELOW SIGNATURE VERIFIES THAT A 1-DAY LETTER WILL BE CERTIFIED UPON

# **24-HOUR EROSION CONTACT**

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

EROSION CONTROL BLANKETS AND TREE PLANTINGS.

#### **GRAPHIC SCALE & ORIENTATION**



#### **UTILITY LOCATION NOTES**

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ROCKDALE COUN COMMISSIONERS

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

PIPE PROFILES

Sheet No.

**Sheet Title** 

NOT RELEASED FOR CONSTRUCTION

0.95 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

2.43 4.13 22.62 24 1.00 0.013 4.08 0.72 820.40 817.70 821.11 j 818.42 24 0.80 0.013 4.88 0.72 817.60 817.00 818.42 817.72 24 0.81 3.41 0.22 825.67 825.00 825.97 825.22 1.10 | 14.86 | 18 | 2.00 | 0.013 | 2.77 | 0.44 | 827.64 | 826.20 | 828.03 j | 826.64 1.10 | 2.04 | 14.86 | 18 | 2.00 | 0.013 | 4.74 | 0.38 | 826.10 | 825.24 | 826.64 | 825.62 0.00 | 2.60 | 31.99 | 24 | 2.00 | 0.013 | 3.16 | 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

City/County: ROCKDALE COUNTY

Included

Y/N

YES

N/A\*

YES

YES

Page #

ALL ESPC

N/A\*

C000

C000, C410-30

C400

**ALL ESPC** 

C410

C400

ALL ESPC

C400

**ALL ESPC** 

ALL ESPC

ALL ESPC

ALL ESPC

N/A

C410-C430

ALL ESPC

N/A

N/A

YES

N/A

**HYDRO** 

**HYDRO** 

C420, C700

C401

ALL ESPC

ALL ESPC

C700

C430

N/A

C410-C430

N/A

YES

N/A

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

Provide the name, address, email address, and phone number of primary permittee.

Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.

Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.

Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.

Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands,

Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as

Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the initial sediment

storage requirements and perimeter control BMPs within 7 days after installation." in accordance with Part IV.A.5 page 25 of the permit.

Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as

measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional

Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic

Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section

Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment

Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approved Plan

does not provide for effective erosion control, additional erosion and sediment control measures shall be implemented to control or

Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and

within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C.2.A-v of the Permit.

Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharge to the Impaired

If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 22 above) at

least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in

BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the

Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur

Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site

(i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary

Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.

(1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final

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

certified by a Design Professional (unless disapproved by GAEPD or the Georgia Soil and Water Conservation Commission).

Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion &

45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.

Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion.

Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by

Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention

pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior

to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining

attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage

design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and

impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet

structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in

Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment

Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding,

fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place

Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual

the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common

drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not

BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and

Contour Intervals, ft.

0.5 or 1

1 or 2

2,5 or 10

A description of appropriate controls and measures that will be implemented at the construction site including:

drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase.\*

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

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

Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and

comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 19 of the permit. \*

Note total and disturbed acreages of the project or phase under construction.

Description of the nature of construction activity and existing site conditions.

Determination Line without first acquiring the necessary variances and permits."

component must be certified by the design professional." \*

control measures and practices prior to land disturbing activities."

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

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

33 Description of analytical methods to be used to collect and analyze the samples from each location.

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

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

Provide complete details for Retention of Records as per Part IV.F. of the permit.

Ground Slope

Flat 0 - 2%

Steep 8% +

the Local Issuing Authority. Clearly note and delineate all areas of impact.

43 Delineation and acreage of contributing drainage basins on the project site.

Rolling 2 - 8%

Please refer to the Alternative BMP Guidance Document found at www.gaswcc.georgia.gov

Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.

44 | Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.\*

Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend.

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

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

YES 34 Appendix B rationale for NTU values at all outfall sampling points where applicable.

after construction operations have been completed.\*

yes 16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.

marshlands, etc. which may be affected.

stated on Part IV page 19 of the permit.

treat the sediment source.'

the TMDL Implementation Plan.\*

construction site is prohibited.\*

and final stabilization)

1 inch = 100ft or

larger scale

Sediment Control in Georgia 2016 Edition.\*

Identify/Delineate all storm water discharge points.

Soil series for the project site and their delineation.

48 The limits of disturbance for each phase of construction.

for Erosion and Sediment Control in Georgia.

and for the appropriate geographic region of Georgia.

ALL ESPC YES 37 Graphic scale and North arrow.

Date on Plans: 05-05-2023

CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY TO BE SHOWN ON ES&PC PLAN CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1 of the CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE year in which the land-disturbing activity was permitted. RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT Level II certification number issued by the Commission, signature and seal of the certified design professional. THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the GAEPD District Office. If GAEPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist and the GAEPD approval letter.\* The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER GSWCC CERTIFICATION NO. LEVEL 11 \* 0000029448 EXPIRATION DATE: Ø3-29-2024

AGENT, UNDER MY SUPERVISION.

COMPANY: BREEDLOVE LAND PLANNING, INC.

**GSWCC LEVEL II CERTIFICATIONS** 

CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE

CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION

VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF OR MY AUTHORIZED

# 24-HOUR EROSION CONTACT

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

#### PRIMARY PERMITTEE

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

# PLAN SUBMITTAL SUMMARY

DESCRIPTION:	DATE:	ENTITY REQUESTING REVISION:
1. INITIAL SUBMITTAL DATE:	Ø7/31/2Ø23	ROCKDALE COUNTY
2. LDP RESUBMITTAL	Ø9/ØT/2Ø23	ROCKDALE COUNTY
3. LDP RESUBMITTAL	10/12/2023	ROCKDALE COUNTY
4. LDP RESUBMITTAL	Ø1/16/2Ø24	ROCKDALE COUNTY
5.		
6.		
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#### **CONSTRUCTION ACTIVITY**

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

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

#### **PROJECT RECEIVING WATERS** ①

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

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

#### INITIAL EROSION INSPECTION (14)

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

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

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

THE DESIGN PROFESSIONAL SHALL REPORT THE RESULTS OF THE INSPECTION TO THE PRIMARY PERMITTEE (AND OPERATOR) WITHIN SEVEN (1) DAYS AND THE PERMITTEI (AND OPERATOR) MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE DESIGN PROFESSIONAL UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

#### **STREAM BUFFERS**

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

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

15 (16)

# 7-DAY LETTER CERTIFICATION

THE BELOW SIGNATURE VERIFIES THAT A 1-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.



EXPIRATION DATE: Ø3-29-2024

COMPANY: BREEDLOVE LAND PLANNING, INC.

Effective January 1, 2023

#### **PLAN REVISIONS**

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

SEE PART IV. C. KEEPING PLANS CURRENT. THE PRIMARY PERMITTEE SHALL AMEND APPROVED PLANS WHERE THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON BMPS WITH A HYDRAULIC COMPONENT (I.E., THOSE BMPS WHERE THE DESIGN IS BASED UPON RAINFALL INTENSITY DURATION AND FREQUENCY OF STORMS) OR IF THE PLAN PROVES TO BE INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS FROM SOURCES IDENTIFIED UNDER PART IV.D.3. AMENDMENTS TO THE PLAN MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL

#### **GSWCC REQUIRED NOTES**

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

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

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

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

INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES

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.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL



#### **SPILL PREVENTION & CONTROL**

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

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR SHALL NEED A SPILL PREVENTION CONTAINMENT & COUNTERMEAGURES PLAN PREPARED BY THE LICENSED

# POST-CONSTR. STORMWATER (26)

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

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

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

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

#### **CONSTR. MATERIAL STORAGE**

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

#### PRODUCT SPECIFIC PRACTICES

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

PROPER WASTE DISPOSAL PROCEDURES.

BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN

# **INSPECTION & RECORD KEEPING**

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

- EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (A) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT AND (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
- MEASURE AND RECORD RAINFALL WITHIN DISTURBED AREAS OF THE SITE THAT HAVE NOT MET FINAL STABLIZATION ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY, THE DATA COLLECTED FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION.
- CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (1) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY, IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST: (A. DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE, (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION, AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING IIIATER(S) FOR AREAS OF A SITE THAT HAVE INDERGONE FINAL STABILIZATION, OR ESTABLISHED A CROP OF ANNUAL YEGETATION AND SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
- CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION HAS BEEN SUBMITTED) THE AREAS OF THE SITE THA HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).
- BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION. SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (1) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN (1) CALENDAR DAYS FOLLOWING EACH
- A REPORT OF EACH INSPECTION THAT INCLUDES THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, AND THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E. INITIAL, INTERMEDIATE, OR FINAL), MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION. SEDIMENTATION AND POLLUTION CONTROL PLAN AND ACTIONS TAKEN IN ACCORDANCE WITH IV..D.4.A.(5) OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN, WHERE THE REPORT DOES NOT IDENTIFY ANY, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT.

# **SAMPLING FREQUENCY**

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

A, SAMPLING FREQUENCY 1. THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORMWATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM 4 MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS

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

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

- WATER OR FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED. BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION.. b. IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT
- DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL. THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS DEFINED IN THIS PERMIT EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST. c. At the time of SAMPLING PERFORMED PURSUANT TO (A) AND (B)
- ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN TWO (2) BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS: UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED.
- d. WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEEE, IN ACCORDANCE WITH THE PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY BUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE.
- e. EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (C) ABOVE.

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

#### REPORTING OF SAMPLING

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

THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT, UPON WRITTEN NOTIFICATION, EPI MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORMWATER DISCHARGE(S OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMIL AR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2 SAMPLING REPORTS MUS BE SUBMITTED TO EPD USING THE ELECTRONIC SUBMITTAL SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A "NOT" IS SUBMITTED IN ACCORDANCE WITH PART VI.

- ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION: a. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR
- MEASUREMENTS . THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE
  - SAMPLING AND MEASUREMENTS THE DATE(S) ANALYSES WERE PERFORMED
- d. THE TIME(S) ANALYSES WERE INITIATED . THE NAME(6) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES
- REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS,
- INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS
- h RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU" AND CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE
- ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO TH SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

#### RETENTION OF RECORDS

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

RETENTION OF RECORDS

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

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

- a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD **b.** A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT c. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF
- THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THIS PERMIT
- d. A COPY OF ALL SAMPLING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT e. A COPY OF ALL INSPECTION REPORTS GENERATED I
- ACCORDANCE WITH PART IV..D.4.A. OF THIS PERMIT f. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION
- SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THIS PERMIT AND g. DAILY RAINFALL INFORMATION COLLECTED
- ACCORDANCE WITH PART IV..D.4.A.(2) OF THIS PERMIT. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS, (INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD,, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN

#### **NTU LIMIT RATIONALE**

NOTIFICATION TO THE PERMITTEE.

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

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

TYPE OF RECEIVING WATER: SUPPORTING WARM WATER FISHERIES APPENDIX B Nephelometric Turbidity Unit (NTU) TABLES Warm Water (Supporting Warm Water Fisheries)

Surface Water Drainage Area, square miles

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

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

#### CONSTRUCTION SCHEDULE (29)

- PROJECT NAME: ROCKDALE COUNTY FIRE TRAINING FACILITY MAJOR SOIL-DISTURBING ACTIVITY
- PRE-CONSTRUCTION MEETING WITH OWNER/LIA INSTALL CONSTRUCTION ENTRANCE/EXIT
- FENCE TREE SAVE AREAS & LIMITS OF WORK INSTALL INITIAL EROSION CONTROL MEASURES INITIAL BMP INSPECTION (AKA: ISSUE 1-DAY LETTER)
- SITE PREPARATION & DEMOLITION INSTALL INTERMEDIATE EROSION CONTROL MEASURES
- GRADING OPERATIONS STORM DRAIN & UTILITY INSTALLATION
- 10. CURB AND PAYING INSTALLATION BUILDING DEMOLITION & CONSTRUCTION INSTALL FINAL EROSION CONTROL MEASURES FINE-GRADING & TOPSOIL DISTRIBUTION
- SITE LANDSCAPING FINAL GRASSING 6. SITE CLEANUP
- PUNCH-LIST & FINAL INSPECTIONS 8. MAINTAIN ALL EROSION CONTROL BMPs 19. REMOVAL OF TEMPORARY EROSION CONTROL MEASURES

MONTH 6 MONTHS 6-9 MONTHS 8-11 MONTHS 10-15 MONTHS 4-18 MONTHS 14-18 **MONTHS 14-17** MONTH 19 MONTHS 14-18 MONTH 18 MONTH 18 MONTH 1-18 MONTH 18

<u>OCCURRENCE</u>

MONTH 1

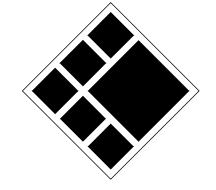
MONTH 1

MONTH 1

MONTH 1

MONTHS 2-5

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** 



# MPU

S A

ROCKDALE COUNCOMMISSIONERS

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

Drawn By Checked By Date Job No.

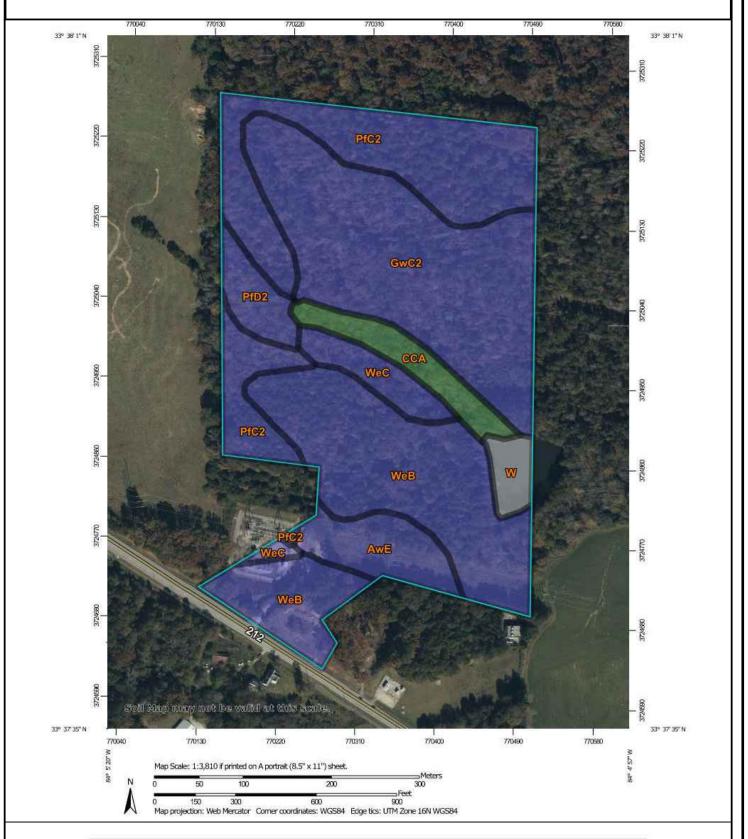
Sheet Title

NPDES NOTES

Sheet No.

# N.P.D.E.S. IMPAIRED STREAM MAP (1 MILE RADIUS FROM SITE LIMITS) PROJECT RECEIVING WATERS - CAMP CREEK WITH PARK BLVD SW PARKMOOR DR DOWNSTREAM STREAM SEGMENT

# **SOIL SURVEY MAP**



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

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

#### **GEORGIA UNIFORM CODING SYSTEM**

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

SOIL AND WATER CONSERVATION COMMISSION STRUCTURAL PRACTICES

STABILIZATION STRUCTURE

> ROCK FILTER DAM

RETAINING

SEDIMENT

SEDIMENT TRAP

SEDIMENT

BASIN TEMPORARY SEDIMENT TRAP

FI OATING SURFACE SKIMMER

SEEP BERM

33

Re

(Sd2)

CODE	PRACTICE	MAP SYMBOL		CODE	PRACTICE	MAP SYMBOL
Cd	CHECKDAM	1		Sr	TEMPORARY STREAM CROSSING	Sr (LABEL)
Ch	CHANNEL STABILIZATION			St	STORMDRAIN OUTLET PROTECTION	St
Co	CONSTRUCTION EXIT	Co		Su	SURFACE ROUGHENING	⊢(Su)—I
Cr	CONSTRUCTION ROAD STABILIZATION	Cı		Tc	TURBIDITY CURTAIN	To
Dc	STREAM DIVERSION CHANNEL	*		Tp	TOPSOILING	(SHOW STRIPING AND STORAGE AREAS)
Di	DIVERSION			Tr	TREE PROTECTION	(DENOTE TREE CENTERS)
Dn1)	TEMPORARY DOWNDRAIN STRUCTURE	Dn1 (LABEL)		Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE	<b>+</b>
Dn2	PERMANENT DOWNDRAIN STRUCTURE	Dn2 (LABEL)		\	CHANNEL /EGETATI	/E
		I ~ -				

/ I	L					
ABEL)		VEGETATIVE PRACTICES				
	CODE	PRACTICE	MAP SYMBOL			
S .ABEL)	Bf	BUFFER ZONE	Bf (LABEL)			
	Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)	Cs			
	Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)	Ds1			
ABEL)	Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)	Ds2			
▲ABEL)	Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	Ds3			
TYPE)	Ds4	DISTURBED AREA STABILIZATION (SODDING)	Ds4			
	Du	DUST CONTROL ON DISTURBED AREAS	Du			
ABEL)	FI-Co	FLOCCULANTS AND COAGULANTS	FI-Co			
0	Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)	Sb			
♣ _ABEL)	Ss	SLOPE STABILIZATION	Ss			
<b>D</b>	Tab	TACKIFIERS AND				

#### **APPENDIX 1**

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

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

\* 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

Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any state mandated buffer areas from such calculations). All calculations

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

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

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

# IMPAIRED STREAM SEGMENT (22)

THIS SITE WILL / WILL NOT DISCHARGE STORM WATER FROM ANY CONSTRUCTION ACTIVITY INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN I LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED AS, ANY PORTION OF A BIOTA IMPAIRED 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 MACROVERTIBRATE COMMUNITY), WITHIN CATEGORY 4A, 4B, OR 5, AND THE POTENTIAL CAUSE IS EITHER "NP" (NONPOINT SOURCE) OR "UR" (URBAN RUNOFF), THE ES&PC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE BMPS LISTED IN PART III.C.2 (A) THRU (T) OF THE PERMIT.

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

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

#### PRE- vs. POST RUNOFF

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

PRE-DEVELOPED RUNOFF COEFFICIENT (CURVE NUMBER): 66

EXPIRATION DATE: Ø3-29-2024

COMPANY: BREEDLOVE LAND PLANNING, INC.

POST-DEVELOPED RUNOFF COEFFICIENT (CURVE NUMBER): 82

SUMMARY OF POST-DEVELOPMENT STORMWATER CONTROLS USED: THIS PROJECT WILL INSTALL AND UNDERGROUND STORMWATER MANAGEMENT FACILITY THAT WILL PROVIDE BOTH INFILTRATION FOR WATER QUALITY AND DETENTION FOR PEAK FLOWS.

#### 7-DAY LETTER CERTIFICATION

THE BELOW SIGNATURE VERIFIES THAT A 1-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS. CERTIFIÉD DESIGN PROFESSIONAL: JUSTIN M TANNER GSWCC CERTIFICATION NO. LEVEL II \* 0000029448

#### **SAMPLE METHODS**

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES SHALL BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED), THE GUIDANCE DOCUMENT TITLED "NPDES STORMWATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY

2. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER. 3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHALL BE USED FOR COLLECTING SAMPLES. THE JARS SHALL BE CLEANED

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

PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED. 5. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E.

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

1a. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORMWATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORMWATER DISCHARGE

FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORMWATER DISCHARGE NOT 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. IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL

CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER CHANNEL. THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.

THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS. PERMITTEES DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 10% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS) OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS

DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION) ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORMWATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D4., WHICHEVER IS APPLICABLE.

#### **GSWCC LEVEL II CERTIFICATIONS**

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

CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY I OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES

DATE: Ø1-16-2024

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



#### **GSWCC CHECKLIST LEGEND**



# 24-HOUR EROSION CONTACT 4

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

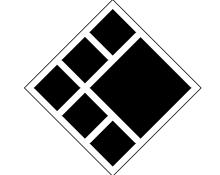
PHONE NUMBER: 678-387-7081

#### DO NOT BREAK OR DUPLICATE

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

**BLP PROJ. NO. 22158** 



# ~ COUN' AMPU CKDALE AIINNG C

ROCKDALE COUN COMMISSIONERS

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

Drawn By Checked By Date Job No.

**Sheet Title** 

NPDES NOTES

Sheet No.

NOT RELEASED FOR CONSTRUCTION

N/A

N/A

www.gaswcc.georgia.gov)

and during the final BMP phase.

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

Book or an equivalent or more stringent design manual.

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.

#### **DISTURBED AREA**

TOTAL SITE AREA: 12.45 AC DISTURBED AREA: 0.66 AC

#### **GENERAL EROSION NOTES**

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

- ALL BUFFERS AND TREE SAVE AREAS SHALL BE CLEARLY IDENTIFIED BY FLAGGING AND/OR FENCING PRIOR TO COMMENCEMENT OF ANY LAND
- THE INSTALLATION OF EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES AND CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUNDCOVER IS ESTABLISHED.
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- SEDIMENT BARRIER DEVICES SHALL BE INSPECTED AND REPAIRED OF DAMAGE DAILY. ANY ACCUMULATED SEDIMENT SHALL BE REMOVED AND SPREAD ON SITE.
- ALL DISTURBED AREAS SHALL BE GRASSED AS SOON AS CONSTRUCTION
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION OR AS REQUIRED BY CITY/COUNTY AT NO ADDITIONAL COST TO THE OWNER.
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- MAXIMUM CUT OR FILL SLOPE 15 (2:1) 2' HORIZONTAL TO 1' VERTICAL.
- CONTRACTOR SHALL PROVIDE TEMPORARY DOWN DRAINS ON FILL SLOPES TO PREVENT EROSION PRIOR TO STABILIZATION.
- 13. CONTRACTOR SHALL REMOVE ACCUMULATED SEDIMENT FROM DETENTION BASIN AT END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN FULLY
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- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

# **24-HOUR EROSION CONTACT**

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

PHONE NUMBER: 618-381-1081

#### **GRAPHIC SCALE & ORIENTATION**

# **UTILITY LOCATION NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE TO SECURE THE SERVICES OF A
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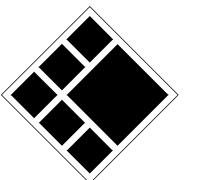


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**BLP PROJ. NO. 22158** 



PRI	PRINT RECORD												
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4	01/16/2024	LDP RESUBMITTAL											

ROCKDALE COUN COMMISSIONERS

Date	Job No.
JRQ	BAM
Drawn By	Checked B

**Sheet Title** 

ES&PC PLAN -PERIMETER PHASE

Sheet No.

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2 12 13

COMPANY: BREEDLOVE LAND PLANNING, INC.

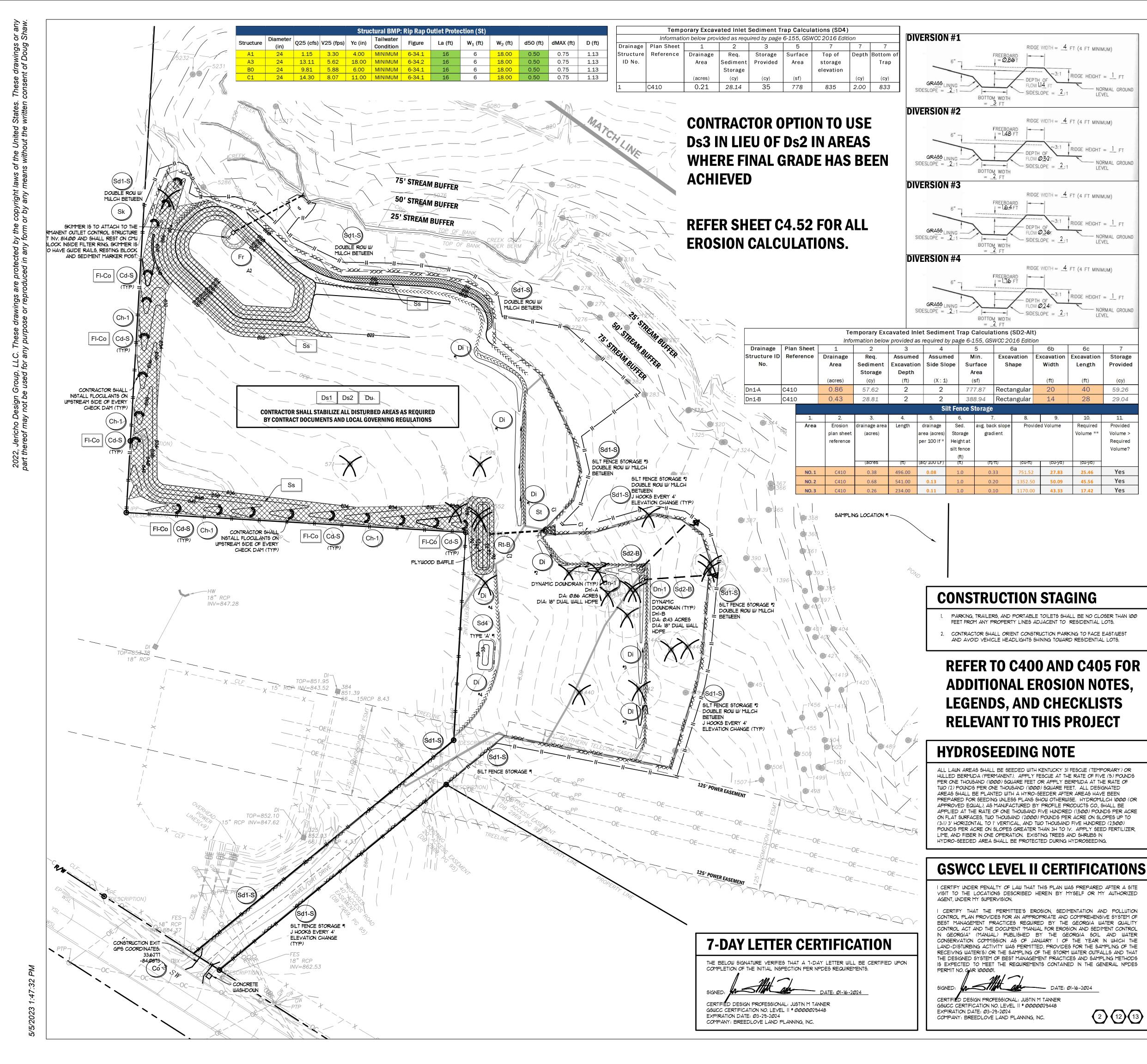
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#### **CALL BEFORE YOU DIG**

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

- DO NOT DUPLICATE DRAWINGS WITHOUT PERMISSION.

EXPIRATION DATE: Ø3-29-2024 COMPANY: BREEDLOVE LAND PLANNING, INC.



#### **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

#### **DISTURBED AREA**

TOTAL SITE AREA: 12.45 AC

RIDGE WIDTH =  $\frac{4}{10}$  FT (4 FT MINIMUM)

RIDGE WIDTH =  $\frac{4}{}$  FT (4 FT MINIMUM)

RIDGE WIDTH =  $\frac{4}{10}$  FT (4 FT MINIMUM)

RIDGE WIDTH =  $\frac{4}{10}$  FT (4 FT MINIMUM)

Width

RIDGE HEIGHT = \_\_ FT

Length

Volume \*

Provided

59.26

Provided

Volume >

Required

Yes

Yes

DISTURBED AREA: 8.15 AC

#### **GENERAL EROSION NOTES**

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#### **24-HOUR EROSION CONTACT**

COMPANY: EMAIL ADDRESS: ANDREW.HAMMER®ROCKDALECOUNTYGA.GOV PHONE NUMBER: 618-381-1081

#### **GRAPHIC SCALE & ORIENTATION**

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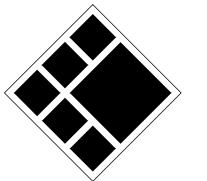
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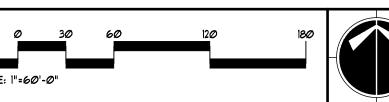


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**BLP PROJ. NO. 22158** 



ROCKDALE COUNTY BOC



- CONTRACTOR SHALL IMMEDIATELY REPAIR ALL UTILITIES DAMAGED BY

#### **CALL BEFORE YOU DIG**



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Drawn By **Checked By** 

ROCKDALE COUN COMMISSIONERS

**DESCRIPTION** 

LDP SUBMITTAL

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LDP RESUBMITTAL

Date Job No.

**Sheet Title** 

**PRINT RECORD** 

No. DATE

1 07/31/2023

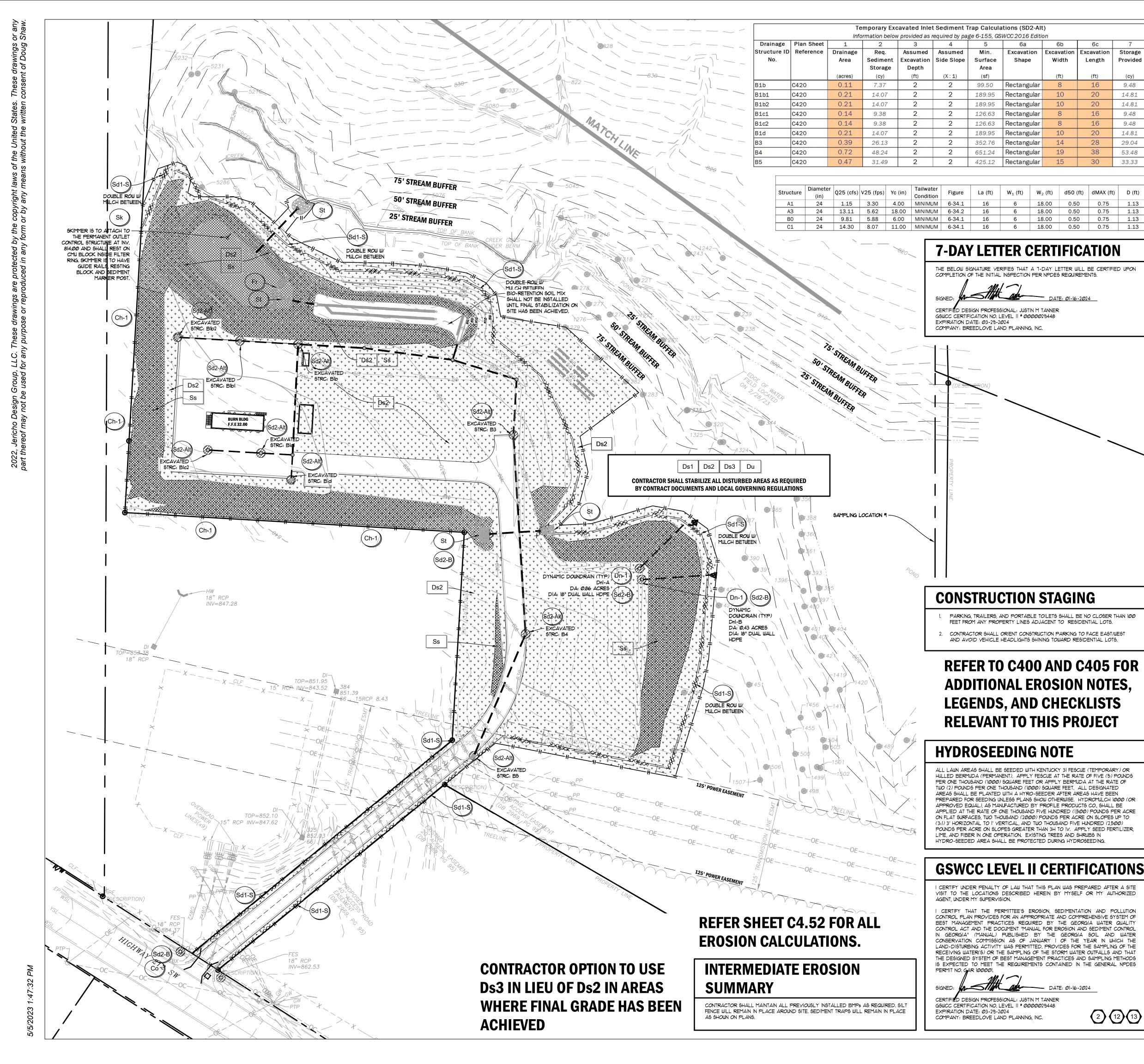
2 09/07/2023

3 10/12/2023

4 01/16/2024

**ES&PC PLAN - INITIAL** PHASE

Sheet No.



#### **DISTURBED AREA**

SPREAD ON SITE.

6a

Excavation

Rectangular

Rectangular

Rectangular

Rectangular

Rectangular

Rectangular

Excavation Excavation Storage

Length

9.48

14.81

14.81

9.48

9.48

14.81

29.04

53.48

33.33

Width

TOTAL SITE AREA: 12.45 AC DISTURBED AREA: 8.15 AC

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#### **24-HOUR EROSION CONTACT**

EMAIL ADDRESS: ANDREW.HAMMER®ROCKDALECOUNTYGA.GOV

#### **GRAPHIC SCALE & ORIENTATION**

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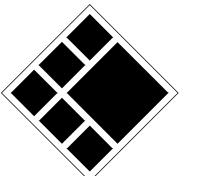
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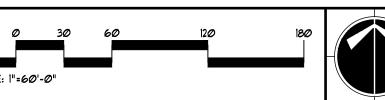


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**BLP PROJ. NO. 22158** 



ROCKDALE COUNTY BOC COMPANY:



- CONTRACTOR SHALL PAY FOR SAID SERVICES.

#### **CALL BEFORE YOU DIG**



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

ROCKDALE COUN COMMISSIONERS

**DESCRIPTION** 

LDP SUBMITTAL

LDP RESUBMITTAL

LDP RESUBMITTAL

LDP RESUBMITTAL

**Sheet Title** 

**PRINT RECORD** 

No. DATE

1 07/31/2023

2 09/07/2023

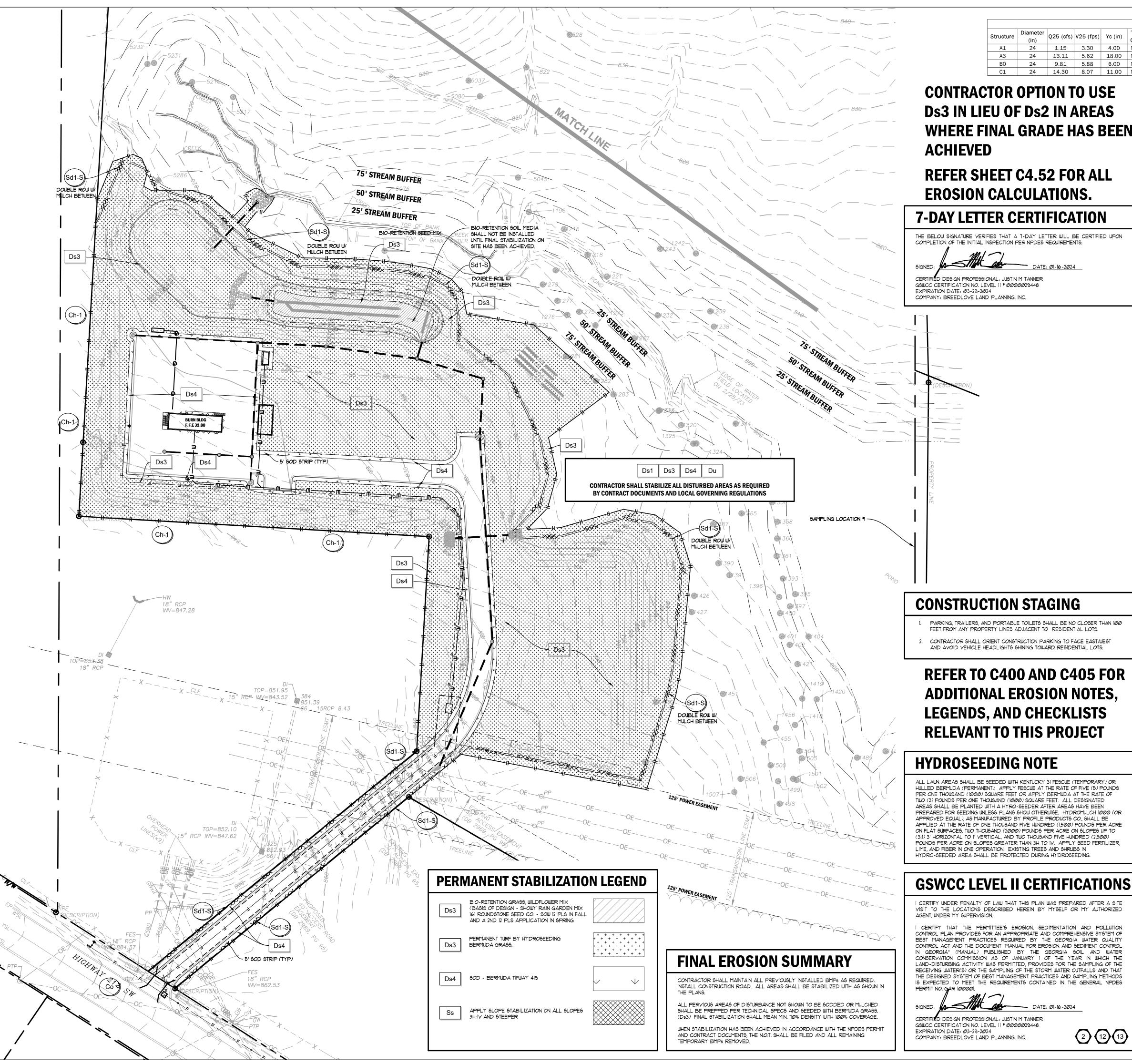
3 10/12/2023

4 01/16/2024

ES&PC PLAN -**INTERMEDIATE** 

Sheet No.

**PHASE** 



# 9.81 | 5.88 | 6.00 | MINIMUM | 6-34.1 | 16

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

# **REFER SHEET C4.52 FOR ALL EROSION CALCULATIONS.**

#### 7-DAY LETTER CERTIFICATION

THE BELOW SIGNATURE VERIFIES THAT A 1-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

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

COMPANY: BREEDLOVE LAND PLANNING, INC.

#### **DISTURBED AREA**

DISTURBED AREA: 8.15 AC

**GENERAL EROSION NOTES** 

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- AT END OF CONSTRUCTION WHEN ALL DISTURBED AREAS HAVE BEEN FULLY
- 14. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AT NO ADDITIONAL COST TO THE OWNER.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.

#### **24-HOUR EROSION CONTACT**

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

#### **GRAPHIC SCALE & ORIENTATION**



#### **UTILITY LOCATION NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE TO SECURE THE SERVICES OF A PRIVATE UTILITY LOCATOR FIRM DURING THE ENTIRE COURSE OF CONSTRUCTION.
- CONTRACTOR SHALL IMMEDIATELY REPAIR ALL UTILITIES DAMAGED BY
- 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
- 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

2 12 13

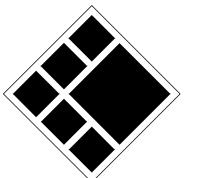


GEORGIA LAW MANDATES THAT, BEFORE BEGINNING ANY MECHANIZED DIGGING OR EXCAVATION WORK, YOU MUST CONTACT GEORGIA 811 BY USING EREQUEST ON WWW.GEORGIA811.COM OR BY CALLING 811 OR 1-800-282-7411 AT LEAST 48 HOURS BUT NO MORE THAN 10 WORKING DAYS IN ADVANCE TO HAVE UTILITY LINES MARKED.

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



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** 



- CONTRACTOR SHALL PAY FOR SAID SERVICES.
- CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO THE OWNER.
- SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE OWNER.

#### **CALL BEFORE YOU DIG**



#### **DO NOT BREAK OR DUPLICATE**

- DO NOT DUPLICATE DRAWINGS WITHOUT PERMISSION.

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

ROCKDALE COUN COMMISSIONERS

**DESCRIPTION** 

LDP SUBMITTAL

LDP RESUBMITTAL

LDP RESUBMITTAL

LDP RESUBMITTAL

**Sheet Title** ES&PC PLAN -

FINAL PHASE

Sheet No.

**PRINT RECORD** 

No. DATE

1 07/31/2023

2 09/07/2023

3 10/12/2023

4 01/16/2024

SILT SAVER

USE STEEL POSTS THAT MEET STATE STANDARDS &

SPECIFICATIONS FOR THE STATE THAT THE SILT

USE WOVEN-IN BELTS AS ATTACHMENT POINTS

FENCE WILL BE INSTALLED.

FOR THE TIES.

4' WOOD (OAK/HARDWOOD)

POST SPACED AT 4'-0"

FRONT ELEVATION

WOVEN BELTED SILT FENCE (WBSF)

2 STAGE COMBO (2CB)

WBSF2CB-4

SILT-SAVER, INC. 1200 FORRESTER CEMETERY RD, COVINGTON, GA. 30014 PHONE: (770) 388-7818 www.siltsaver.co

FABRIC TO BE 24" ABOVE GROUND WITH "J" IN TRENCH

TOE IN AND COMPACT BACKFILL

OF SLOPE

SIDE VIEW

36" SILT-SAVER WBSFCB

MINIMUM OF 8" BLACK UV 120 LBS

I" X 1 1/4" STAPLES FOR WOOD TO BE PLACED AT EACH SUPPORT BELT.

- GROUND LINE

— воттом о**г** 

USE OAK/HARDWOOD POST

1 3/4 x 1 1/4 x 48" OR EQUAL

WHICH EVER IS GREATER.

REPAIR DETAIL

ATTACHING TWO SILT FENCES

WHEN TRENCHING IS USED

ECTION OF RUNOFF WATER BARRIC MATERIAL

**PLAN VIEW** 

SCALE: NOT TO SCALE

LAST UPDATED: MARCH 2022

FRAME MATERIAL: OAK/HARDWOOD OR STEEL

FILTER FABRIC MATERIAL: REFER TO SPEC

DENSITY OR STATE STANDARDS,

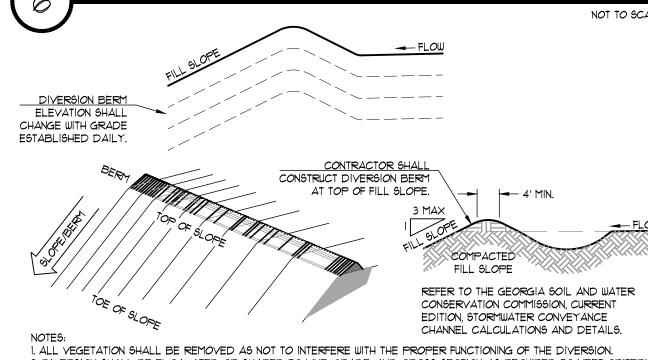
ENCE INSIDE THE END POST OF THE OTHER

ABOUT 12 INCHES INT.
THE GROUND AND
BURY THE FLAP IN A
TRENCH

ZIP TIES FOR STEEL

. CONTRACTOR SHALL CONTINUOUSLY MONITOR AND MAINTAIN DOWNDRAIN STRUCTURES AND DIVERSION BERM(S)/DITCHES. 2. CONTRACTOR SHALL KEEP DOWNDRAIN STRUCTURES CLEAR OF TRASH AND DEBRIS AND THEN REMOVE ACCUMULATED SEDIMENT FROM AROUND THE GRAVEL FILTER CONE WHEN 1/3 FULL. 3UPON FINAL STABILIZATION, DOWNDRAINS SHALL BE REMOVED AND ALL DISTURBED AREAS STABILIZED WITH DISA AND/OR DISA. 4. PLACE DOWNDRAINS ON UNDISTURBED SOIL OR WELL-COMPACTED FILL PER PLANS. 5. HAND TAMP THE SOIL UNDER AND AROUND THE ENTRANCE SECTION IN LIFTS NOT TO EXCEED 6" 6. ALL PIPE CONNECTIONS SHALL BE WATERTIGHT. 18" MIN. TALL DIVERSION BERM PROVIDE BAFLLE BOX AT DOWNLINE INLET OPENING. SIDE SLOPES 3:1 MAX OPENING FOR DOGHOUSE SHALL NON-PERFORATED HDPE PIPE W/ MATCH DOWNLINE SIZE. SPLIT COUPLINGS WITH ZIP NYLON TIES TO HOLD COUPLINGS AND PIPE REFER TO Rt-B DETAIL. TOGETHER - SIZED AS PER PLAN(S) STABILIZED OUTLET PROTECTION
PROVIDE 9"Lx 6"W 90 LB. RIP-RAP #51 GRAVEL FILTER CONE AREA FOR OUTLET PROTECTION (TYP. EACH DOWNLINE) PAM LOG OR GEL BAR TIE-DOWN STAKES MINVERT OF HOPE 98% COMPACTED SUBGRADE BY STANDARD PROCTOR TEMPORARY DOWNDRAIN STRUCTURE NOT TO SCALE CONTRACTOR SHALL INSPECT TRAP DAILY AND MAKE NECESSARY REPAIRS 4"x4" POST (TYP. IMMEDIATELY. CONTRACTOR SHALL CLEAN OUT ACCUMULATED SEDIMENT WHEN \$ OF THE BASIN IS FULL AND/OR AFTER EACH MAJOR RAIN EVENT. CONTRACTOR SHALL REMOVE 3"-4" STONE, EXTEND TO TOP OF 2x4's TRAP ONCE DISTURBED AREAS ARE 2"x4" BOARDS W/ 1/2" - 1" SPACING REFER TO PLANS AND CALCULATIONS SHEET FOR SEDIMENT STORAGE PROVISIONS FOR EACH SPECIFIC APPLICATION OF THIS BEST MANAGEMENT PRACTICE (BMP) NOT TO SCALE

SEDIMENT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF  $\frac{1}{2}$  THE ORIGINAL DAM HEIGHT. IF AREA IS TO BE MOWED, CHECK DAMS SHALL BE REMOVED ONCE FINAL STABILIZATION HAS OCCURRED. AFTER REMOVAL, AREA BENEATH CHECK DAMS SHALL BE SEEDED AND MULCHED IMMEDIATELY. TRIPLE-LAYER OF JUTE FABRIC MATTING IMPREGNATED WITH ANIONIC E OF SWALE OR DITCH POLYACRYLAMIDE (PAM) DRAPED OVER ENTIRE TOP OF GRAVEL, PER TECHNICAL SPECIFICATIONS TRÊNCH & BURY EDGE OF JUTE FABRIC 6" DEEP ALONG ENTIRE EXISTING GRADE MĀX 2-10" STONE FACE OF CHECK DAM, INSTALLED SAME DAY AS STONE. TEMPORARY AND PERMANENT STONE CHECK DAM

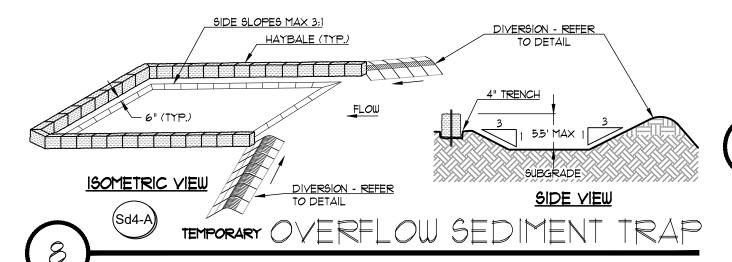


2. DIVERSION SHALL BE EXCAYATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET CRITERIA OF THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION, CURRENT EDITION. 3. ALL FILL SHALL BE MACHINE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE TO THE 4. ALL EARTH REMOVED SHALL BE SPREAD OR DISPOSED OF SO THAT IT DOES NOT INTERFERE WITH THE FUNCTIONING OF THE 5. DIVERSION SHALL BE STABILIZED PER CHANNEL STABILIZATION DETAIL (Ch).

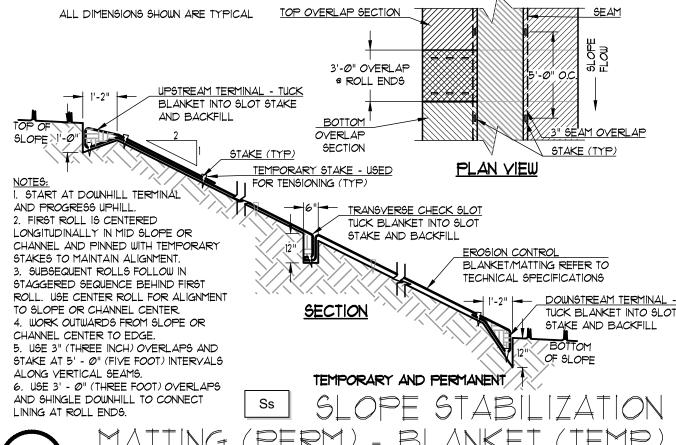
DI) TEMPORARY DIVERSION NOT TO SCALE

. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES AND PLACED SO THE BINDINGS ARE HORIZONTAL. 2. BALES SHALL BE SECURELY ANCHORED IN PLACE. 3. CONTRACTOR SHALL PROVIDE SEDIMENT DEPTH MARKER IN TRAP. REFER TO DETAIL. 4. MAXIMUM LIFE OF SEDIMENT TRAP IS 6 MONTHS.

TRAP SHALL BE INSPECTED REGULARLY AND AFTER LARGE RAIN EVENTS. SEDIMENT SHALL BE REMOVED WHEN TRAP IS \$ FULL BALES SHALL BE INSPECTED FREQUENTLY AND REPAIRED AND/OR REPLACED PROMPTLY AS NEEDED. BALES SHALL BE REMOVED WHEN SURROUNDING AREAS HAVE BEEN STABILIZED SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.



MAINTENANCE:
INSPECT BLANKETS AND MATTING PERIODICALLY FOLLOWING INSTALLATION, ESPECIALLY AFTER RAIN EVENTS. ANY DISLOCATION OR FAILURE SHALL BE REPAIRED IMMEDIATELY. IF WASHOUT OR BREAKAGE OCCURS, MATERIAL SHALL BE UNINSTALLED, 6LOPE REPAIRED, THEN MATERIAL REINSTALLED. BMP SHALL BE MONITORED UNTIL AREA HAS BEEN



CONCRETE TRUCK **WASHOUT AREA** Illegal discharges are subject to fines and penalties.

NOT TO SCALE

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

CONCRETE TRUCK WASHOUT AREA SIGN - TEMPORARY

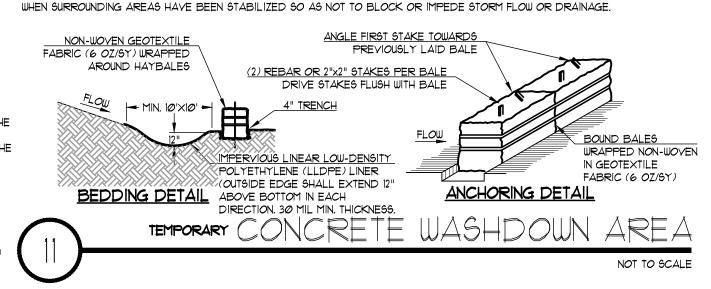
NOT TO SCALE

I. CONTRACTORS OPTION TO GRADE OUT CONTAINMENT AREA WITH DIVERSION BERMS OR CONSTRUCT WITH HAY BALES, BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT 2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL. 3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR REBAR DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARDS THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE. 4. CONTRACTOR SHALL PROVIDE AND INSTALL 36" X 36" SIGN IDENTIFIED IDENTIFYING CONCRETE WASHDOWN AREA .5. CONTRACTOR SHALL USE HIGH PRESSURE LOW YOLUME NOZZLE FOR WASHING.

6. NO CONCRETE DRUM WASHOUT IS ALLOWED ON SITE.

REFER TO CALCULATIONS FOR CHANNEL HYDRAULICS.

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



CHANNEL SHALL BE INSPECTED REGULARLY. ACCUMULATED DEBRIS SHALL BE REMOVED IMMEDIATELY.

D63 AND/OR D64 CHANNEL WIDTH REFER TO PLAN(S) 25-YEAR DEPTH: 6" 25-YEAR FLOW: 12.38 CF6

TEMPORARY AND CHANNEL STABILIZATION VEGETATIVE LINING NOT TO SCALE 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** 



COUN ROCKDALE TRAIINNG C

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

ROCKDALE COUN COMMISSIONERS

Drawn By Checked By Job No. Date

**Sheet Title** 

**ES&PC DETAILS** 

Sheet No.

# 7-DAY LETTER CERTIFICATION

THE BELOW SIGNATURE VERIFIES THAT A 1-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

CERTIFIED DESIGN PROFESSIONAL: JUSTIN M TANNER GSWCC CERTIFICATION NO. LEVEL 11 \* 0000029448 EXPIRATION DATE: Ø3-29-2024 COMPANY: BREEDLOVE LAND PLANNING, INC.

#### **GSWCC CHECKLIST LEGEND** GSWCC CHECKLIST ITEM NUMBER

24-HOUR EROSION CONTACT 4

ANDREW HAMMER COMPANY: ROCKDALE COUNTY BOC EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGA.GOV PHONE NUMBER: 618-381-1081

#### DO NOT BREAK OR DUPLICATE

1. DO NOT DUPLICATE DRAWINGS WITHOUT PERMISSION.

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

2' OF 24" STANDPIPE WITH 3/4" HOLES BURNED 6" O.C.E.W. WELDED TO METAL PLATE PROVIDE TEMPORARY 2" WEEP OPENING UNTIL STRUCTURE TOP AND FINISHED GRADE IS ACHIEVED THEN GROUT CLOSED. LENGTH REFER TO 6d2-E CHART FOR DIMENSIONS CONTRACTOR'S OPTION TO ITILIZE SILT-SAVER IN LIEU OF STANDPIPE AND GRAVEL FILTER CONE SILT-SAVER \* STORM WATER FILTER & SAFETY GUARD

www.siltsaver.com

Conyers, GA 30094

Fax: (110) 388-1640

Phone: (770) 388-7818

\* OR APPROVED EQUAL

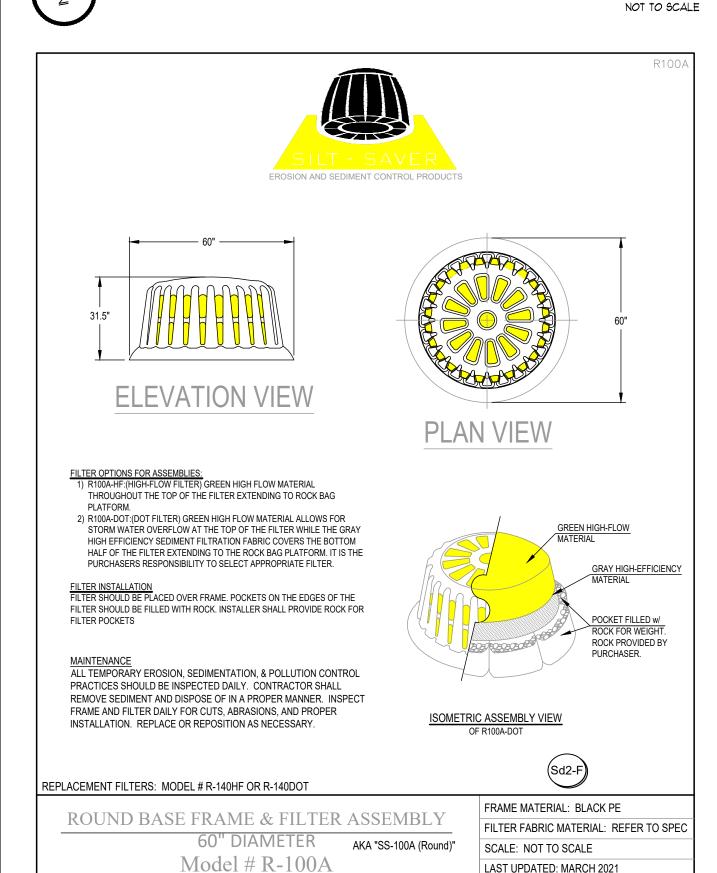
1401 Business Center Drive

Toll Free: 1-888-382-51LT (7458)

EXCAVATED TEMPORARY (Sd2-Alt) INLET SEDIMENT TRAP

NOT TO SCALE

TRIPLE-LAYER OF JUTE FABRIC MATTING DRAPED OVER ENTIRE TOP OF OUTLET PROTECTION, INSTALLED SAME DAY AS OUTLET PROTECTION, PER TECHNICAL SPECIFICATIONS. EXTEND STORM DRAIN OUTLET REFER TO St CHART FOR DIMENSIONS. 2. do = DIAMETER OF INLET PIPE 3. d50 = MINIMUM STONE DIAMTER 4. d<sub>max</sub> = MAXIMUM STONE DIAMETER = 1.5 \* d<sub>50</sub> 5. D = 1.5 \* do (MIN. 6") 6. EXTEND RIP RAP UPSTREAM TO TOP OF CHANNEL BANK. 1. INSTALL FILTER BLANKET BETWEEN RIP RAP AND SOIL FOUNDATION, FILTER BLANKET SHALL CONSIST OF GRADED GRAVEL LAYER OR SYNTEHTIC FILTER CLOTH. 8. RIP RAP APRON AND FILTER BLANKET SHALL BE GRADED LEVEL AND EXTENDED TO ACHIEVE TRENCH & BURY EDGE OF RIP RAP SHALL BE INSPECTED AFTER LARGE JUTE FABRIC 6" DEEP RAIN EVENTS, REPAIRS SHALL BE MADE IMMEDIATELY. OUTLET PROTECTION. FILTER BLANKET TEMPORARY STORM DRAIN OUTLET PROTECTION MINIMUM TAILWATER CONDITION



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

NOT TO SCALE

REFER TO PLANS AND CALCULATIONS SHEET FOR SEDIMENT STORAGE PROVISIONS

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

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

<b>PIEDI</b>	MONT VEG	ETATIV	E COVERS	3	SOIL AMENDMEN	ITS
MONTH	TEMPORARY Ds2	RATE / ACRE ALONE - MIX	PERMANENT Ds3	RATE / ACRE ALONE - MIX	LIME 6-12-12	AMMONIA NITRATE
JANUARY	RYE GRASS	40 LBS	UNHULLED BERMUDA SERICEA LESPEDEZA	10 LBS - 8 LBS 40 LBS - 30 LBS	60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE
FEBRUARY	RYE GRASS	40 LBS	UNHULLED BERMUDA SERICEA LESPEDEZA (2) FESCUE	IØ LBS - 8 LBS 40 LBS - 30 LBS 50 LBS - 40 LBS	60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE
MARCH	RYE GRASS ANNUAL LESPEDEZA (2) WEEPING LOVEGRASS	2-3 BU 30 LBS - 25 LBS 4 LBS - 2 LBS	UNHULLED BERMUDA SERICEA LESPEDEZA (12) FESCUE	10 LBS - 8 LBS 40 LBS - 30 LBS 50 LBS - 40 LBS	60 LB5 PER 40 LB5 PER 1000 SQFT. 1000 SQFT.	300 LB6 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 HULLED BERMUDA BAHIA	6 LBS - 6 LBS 10 LBS - 8 LBS 60 LBS - 40 LBS	60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE
MAY	WEEPING LOVEGRASS SUDAN GRASS BROWN TOP MILLET				60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE
JUNE	WEEPING LOVEGRASS SUDAN GRASS BROWN TOP MILLET	6 LB9 - 6 LB9 35 LB9 40 LB9 - 15 LB9	WEEPING LOVEGRASS HULLED BERMUDA BAHIA	6 LB6 - 6 LB6  Ø LB6 - 8 LB6 6Ø LB6 - 4Ø LB6	60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE
JULY	SAME AS JUNE	6 LB6 - 6 LB6 35 LB6 40 LB6 - 15 LB6	WEEPING LOVEGRASS HULLED BERYUDA BAHIA	6 LB9 - 6 LB9  Ø LB9 - 8 LB9 6Ø LB9 - 4Ø LB9	60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LB6 PER ACRE
AUGUST	WEEPING LOVEGRASS RYE GRASS	6 LBS - 6 LBS 40 LBS			60 LB3 PER 40 LB3 PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE
SEPTEMBER			FE9CUE	50 LB6 - 30 LB6	60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE
OCTOBER	WHEAT	UNHULLED BERMUDA   10 LB5 - 8 LB5   SERICEA LESPEDEZA (2)   40 LB5 - 30 LB5   FESCUE   50 LB5 - 40 LB5		60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LB6 PER ACRE	
NOVEMBER	SAME AS OCTOBER		SAME AS OCTOBER	SAME AS OCTOBER	60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LB6 PER ACRE
DECEMBER	SAME AS OCTOBER		SAME AS OCTOBER	SAME AS OCTOBER	60 LBS PER 40 LBS PER 1000 SQFT. 1000 SQFT.	300 LBS PER ACRE
1. SEED SHALL	BE SCARIFIED. 2. SEED	SHALL BE INOCUL	ATED.	1	NOTE: RATES INCLUDED IN THIS CHART ARE A RECO SHALL PROVIDE NECESSARY AMENDMENTS AS IDEN	

Ds3 Ds2

VEGETATIVE PLAN- PIEDMONT VEGETATIVE COVERS

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

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

MULCHING APPLICATION TABLE NOT TO SCALE

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. <u>TRIPLE-LAYER OF JUTE FABRIC MATTING</u> DRAPED OVER ENTIRE TOP OF GRAVEL, INSTALLED SAME DAY AS FILTER RING, PER TECHNICAL SPECIFICATIONS. INSTALL RING ON TOP OF NON-WOVEN FILTER FABRIC 8 OZ/S.Y. MIN. #57 STONE ON UPSTREAM SIDE FINISHED GRADE → FLOW DIRECTION 50-150 LB RIP RAP 

7-DAY LETTER CERTIFICATION THE BELOW SIGNATURE VERIFIES THAT A 1-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.

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

NOT TO SCALE

**GSWCC CHECKLIST LEGEND** 

GSWCC CHECKLIST ITEM NUMBER

TYPE OF SPECIE	S YEAR	ANALYSIS OR EQUIVALENT N-P-K	RATE	N TOP DRESSING RATE			
Cool season grasses	First Second	6-12-12 6-12-12	1500 lbs./ac. 1000 lbs./ac.	50-100 lbs./ac. 1/2/			
gradous	Maintenance	10-10-10	400 lbs./ac.	30			
2. Cool season	First	6-12-12	1500 lbs./ac.	0-50 lbs./ac. 1/			
grasses and	Second	0-10-10	1000 lbs./ac.				
legumes	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	_			
37/1			per seedling placed				
			in the closing hole				
5. Shrub Lespedez	a First	0-10-10	700 lbs./ac.	_			
	Maintenance	0-10-10	700 lbs./ac. 4/				
6. Temporary	First	10-10-10	500 lbs./ac.	30 lbs./ac. 5/			
cover crops seeded alone							
7. Warm season	First	6-12-12	1500 lbs./ac.	50-100 lbs./ac. 2/6			
grasses	Second	6-12-12	800 lbs./ac.	50-100 lbs./ac. 2/			
52	Maintenance	10-10-10	400 lbs./ac.	30 lbs./ac.			
8. Warm season	First	6-12-12	1500 lbs./ac.	50 lbs./ac./6/			
grasses and	Second	0-10-10	1000 lbs./ac.	The state of the s			
legumes	Maintenance I	0-10-10	400 lbs./ac.				

Table 6-5.1. Fertilizer Requirements

1/ Apply in spring following seeding.

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

3/ Apply in 3 split applications.

\*In NC assume 3 days to drain

4/ Apply when plants are pruned.

5/ Apply to grass species only.

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

Calculate Skimmer Size Basin Volume in Cubic Feet 90,100 Cu.Ft Days to Drain\*

Skimmer Size Orifice Radius

6.0 Inch 2.8 Inch[es]

5.6 Inch[es]

Orifice Diameter

GENERAL NOTES: I. PROPER DESIGN MUST BE COMPLETED TO MINIMIZE PIPING AROUND DISCHARGE PIPE. WATER ENTRY UNIT WITH TRASH SCREEN 2. PROPER ORIFICE OPENING MUST BE SELECTED TO ENSURE POND DRAINS IN CORRECT AMOUNT OF TIME. MODIFICATIONS MAY BE REQUIRED IF FIELD CONDITIONS WARRANT A CHANGE. 3. EMBANKMENT MUST BE COMPACTED TO DESIGN SPECIFICATIONS 4. EMERGENCY SPILLWAY MUST BE CORRECTLY SIZED AND EROSION PROTECTION INSTALLED.
5. EROSION PROTECTION MUST BE INSTALLED ALONG THE EMBANKMENT AND AT THE DISCHARGE END OF THE PIPE. 6 INSPECT SYSTEM REGULARLY TO ENSURE IT IS FUNCTIONING IN A CORRECT MANNER.

1 EIGHT SIZES OF SKIMMERS ARE AVAILABLE, REFER TO THE FLOW SHEET, CUT SHEET, AND INSTRUCTIONS ON WEB SITE ORIFICE OPENING INSIDE THE HORIZONTAL TUBE WITH A CONSTANT HYDRAULIC HEAD MAINTENANCE:
SKIMMER SHALL BE MAINTAINED PER MANUFACTURER'S RECOMMENDATIONS, INSPECT BASIN DAILY AND AFTER LARGE STORM EVENTS FOR STRUCTURAL DAMAGE, CLOGGING, OR EXCESSIVE SEDIMENT SHALL BE 2.5" ORFICE DIAMETER WITH 3" SKIMMER. ACCUMULATION. SEDIMENT SHALL BE REMOVED WHEN BASIN IS  $\frac{1}{3}$  FULL. 3" SCHEDULE 40 PVC PIPE EARTHEN EMBANKMENT EMERGENCY SPILLWAY MAXIMUM HEIGHT OF FLOAT WHEN NO OTHER STORM WATER DISCHARGE OPENINGS EXIST FLEXIBLE HOSE (MAJOR STORM EVENT) FLOAT -INVERT OF LOWEST STORM WATER PVC VENT GRATE DISCHARGE OPENING PIPE (MINOR STORM EVENT) ELEVATION BOTTOM OF SD3 AND LOWEST ORFICE - FLOAT FLEXIBLE HOSE MUST BE PVC VENT PIPE STORM WATER SECURELY FASTENED TO THE DISCHARGE WATER QUALITY DISCHARGE OUTLET PIPE FLEXIBLE HOSE TO THE OVERFLOW MINIMUM LENGTH APPLIES SCHEDULE 40 PVC PIPE WATER ENTRY UNIT (BARREL OR ARM) CMU RESTING BLOCK 2"X4" PT WOOD GUIDE STAKES \*SKIMMER SHALL BE MAINTAIN DEPRESSION TO FAIRCLOTH, MARLEY FLOAT MINIMIZE CHANCE OF SKIMMER OR APPROVED EQUAL\* BECOMING STUCK ( Sk )

SKIMMER OUTLET WITH OUTLET CONTROL STRUCTURE

SKIMMER WITH OUTLET CONTROL STRUCTURE

24-HOUR EROSION CONTACT 4

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

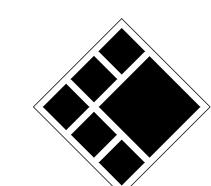
TEMPORARY

#### **DO NOT BREAK OR DUPLICATE**

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





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** 



# COUNTAMPO ROCKDALE TRAIINNG C

ROCKDALE COUN COMMISSIONERS

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

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

05/05/2023 **Sheet Title** 

**ES&PC DETAILS** 

Sheet No.

#### Table 6-4.1 - Temporary Cover or Companion Cover Crops

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

Species	Broadcas	Resource Area <sup>3</sup>		F	Plant	ting	Date	es b	y Re	esou	ırce	Are	а		Remarks		
			Sol	id lin							otted dates						
6	Rate Per Acre <sup>2</sup>	Pure Live Seed (PLS) Per 1000 sqft		J	F	М	Α	М	J	J	А	s	0	N	D		
BARLEY Hordeum vulagre																	
alone	3 bu. (144 lbs)	3.3 lbs	M-L									_	_			14,000 seed per pound. Winter hardy. Use	
in mixture	1/2 bu. (24lbs)	0.6 lb	Р										_			on productive soils.	
			С	u													
LESPEDEZA, ANNUAL Lespedeza striata																	
alone	40 lbs	0.9 lb	M-L					6								200,000 seed per pound. May volunteer for sev	
in mixture	10 lbs	0.2 lb	Р		: <del>-</del>			8.								eral years. Use inoculant EL.	
			С														
LOVEGRASS, WEEPING Eragrostis curvula																	
alone	4 lbs	0.1 lb	M-L					_								1,500,000 seed per pound. May last for several	
in mixture	2 lbs	0.05 lb	P C													years. Mix with Sericea lespedeza.	
MILLET, BROWNTOP Panicum fasciculatum																	
alone	40 lbs	0.9 lb	M-L						17075							772 WI W	
in mixture	10 lbs	0.2 lb	P						_							137,000 seed per pound. Quick dense cover. Will provide excessive competion in mixtures if	
			С						-							seeded at high rate.	

Species	Broadcast	Resource Area <sup>3</sup>	Planting Dates by Resource Area											Remarks			
				Sol	id line			e opti issible									
		Pure Live Seed (PLS) Per 1000 sqft		J	F	М	А	М	J	J	А	s	0	N	D		
MILLET, PEARL Pennesetum glaucum																	
alone	50 lbs	1.1 lbs	M-L P C			C.										88,000 seed per pound. Quick dense cover. May reach 5 feet in height. Not recommended for mixtures.	
OATS Avena sativa																	
alone	4 bu. (128 lbs)	2.9 lbs	M-L											<u></u>			
in mixture	1 bu. (32 lbs)	0.7 lb	P C													13,000 seed per pound. Use on productive soils Not as a winter hardy as rye or barley.	
RYE Secale cereale		=													a		
alone	3 bu. (168 lbs)	3.9 lbs	M-L										-		-		
in mixture	1/2 bu. (28 lbs)	0.6 lb	P C			Çi.										18,000 seed per pound. Quick cover. Drought tolerant and winter hardy.	
RYEGRASS, ANNUAL Lolium temulentum																	
alone	40 lbs	0.9 lb	M-L P C							100						227,000 seed per pound. Dense cover. Very com petitive and is <u>not</u> to be used in mixtures.	
SUDANGRASS Sorghum sudanese						×											
alone	60 lbs	1.4 lbs	M-L P C													55,000 seed per pound. Good on droughty sites. <u>Not</u> recommended for mixtures.	

Species	Broadcast Rate	Resource Area <sup>3</sup>	Planting Dates by Resource Area  Solid lines indicate optimum dates, dotted lines indicate permissible but marginal dates.												Remarks	
		Pure Live Seed PLS) Per 1000 sqft		J	F	М	A	М	J	J	Α	S	0	N	D	
TRITICALE X-Triticosecale	1	,														
alone in mixture	3 bu. (144 lbs) 1/2 bu. (24 lbs)	3.3 lbs 0.6 lb	С													Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only.
WHEAT Triticum aestivum		·														
alone in mixture	3 bu. (180 lbs) 1/2 bu. (30 lbs)	4.1 lbs 0.7 lb	M-L P C													15,000 seed per pound. Winter hardy.

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

Disturbed Area Stabilization (With Mulching Only) Ds1



#### DEFINITION

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

#### **PURPOSE**

·To reduce runoff and erosion

To conserve moisture

To prevent surface compaction or crusting

To control undesirable vegetation

To modify soil temperature

To increase biological activity in the soil

#### REQUIREMENT FOR REGULATORY COMPLIANCE

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

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

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

GSWCC 2016 Edition

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

Apply polyethylene film on exposed areas.

#### Anchoring Mulch

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

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

2. Netting of the appropriate size shall be used to anchor wood waste. Openings of the netting shall not be larger than the average size of the wood waste chips.

Polyethylene film shall be anchor trenched at the top as well as incrementally as necessary.

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

#### **SPECIFICATIONS**

Mulching Without Seeding

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

#### Site Preparation

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

#### **Mulching Materials**

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

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

#### **Applying Mulch**

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

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

6-27

Temporary Excavated Inlet Sediment Trap Calculations (SD4) Information below provided as required by page 6-155, GSWCC 2016 Edition Structure Reference Req. Storage Surface Top of storage Depth Bottom of Sediment ID No. Provided Area Storage 0.21 28.14 35 778 835 2.00 833 C410

	Structure No.	A1							
	Drainage Area:	5.36	acres						
Storage Ca	lculations:								
1. Required	stormwater storag	e			-	667.00	су	Obtain from	Hydraflow
(25-year pos	t-construction stor	age volume unl	less otherwise	determined by	local ordir	nance)			
2. Required	sediment storage		67	cy/acre	[=	359.12	су	Increase for	impaired stream ir req
3. Total requ	uired storage			(1) + (2) = (3)	-	1026.12	су		
4. Available	Storage				=	3334.00	су	Obtain from	Hydraflow
5. Is the ava	ailable storage grea	ter than the to	tal required st	orage?					
	XXX	YES		NO					
6. If "NO", th	ne sediment storag	e capacity of th	e pond must	be increased.					
	Choose the meth	od to be used:							
		Undercut the	pond		(W)*		(L)*		D
						Depth	=		ft
7. Clean-out	t elevation				-				
8. Is the len	gth-width ratio 2:1	or greater?			XXX	YES			
	ne length of flow mi		ed.						
	Choose the meth								
		Baffles	Type:						
		Other	71						
Note the CM	P diameter and he	ight if a half-rou	und CMP retro	fit is used.					
	Diameter =		in		Height =		ft		
	Structure No.	C2							
	Drainage Area:	5.51	acres						
	g.								
Storage Ca	lculations:								
_	stormwater storag	e			1=	0.00	су	Obtain from	Hydraflow
(25-year pos	t-construction stora	age volume uni	less otherwise	determined by	local ordir	nance)			
	sediment storage			cy/acre	[=		су	Increase for	impaired stream ir req
3. Total requ	uired storage			(1) + (2) = (3)	1=	369.17	су		
4. Available					-	473.37	су	Obtain from	Hydraflow
5. Is the ava	ailable storage grea	ter than the to	tal required st	orage?					
		YES		NO					
6. If "NO", th	ne sediment storag	e capacity of th	e pond must	be increased.					
	Choose the meth								
		Undercut the	pond		(W)*		(L)*		D
						Depth	=		ft
7. Clean-out	t elevation				-				
	gth-width ratio 2:1	or greater?			XXX	YES			
	ne length of flow mu	_	ed.						
	Choose the meth								
	and and mount	Baffles	Type:						
			Type.						
		Other							
Note the CM	P diameter and he	Other	and CMP retro	ifit is used					

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

		Info				rap Calculation	ons (SD2-Alt) NCC 2016 Editio	n		
Drainage	Plan Sheet	1	2	3	4	5	6a	6b	6c	7
Structure ID	Reference	Drainage	Req.	Assumed	Assumed	Min. Surface	Excavation	Excavation	Excavation	Storage
No.		Area	Sediment	Excavation	Side Slope	Area	Shape	Width	Length	Provided
			Storage	Depth						
		(acres)	(cy)	(ft)	(X:1)	(sf)		(ft)	(ft)	(cy)
Dn1-A	C410	0.86	57.62	2	2	777.87	Rectangular	20	40	59.26
Dn1-B	C410	0.43	28.81	2	2	388.94	Rectangular	14	28	29.04

			Temporary E	Excavated Inle	et Sediment T	rap Calculatio	ons (SD2-Alt)			
		Info	rmation below	v provided as	required by pa	ge 6-155, GSV	VCC 2016 Editio	n		
Drainage	Plan Sheet	1	2	3	4	5	6a	6b	6c	7
Structure ID	Reference	Drainage	Req.	Assumed	Assumed	Min. Surface	Excavation	Excavation	Excavation	Storage
No.		Area	Sediment	Excavation	Side Slope	Area	Shape	Width	Length	Provided
			Storage	Depth						
		(acres)	(cy)	(ft)	(X:1)	(sf)		(ft)	(ft)	(cy)
B1b	C420	0.11	7.37	2	2	99.50	Rectangular	8	16	9.48
B1b1	C420	0.21	14.07	2	2	189.95	Rectangular	10	20	14.81
B1b2	C420	0.21	14.07	2	2	189.95	Rectangular	10	20	14.81
B1c1	C420	0.14	9.38	2	2	126.63	Rectangular	8	16	9.48
B1c2	C420	0.14	9.38	2	2	126.63	Rectangular	8	16	9.48
B1d	C420	0.21	14.07	2	2	189.95	Rectangular	10	20	14.81
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

Churchina	Diameter	005 (262)	VOE (fma)	Va (:)	Tailwater	F:	1 ~ (64)	) (GL)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	450 ( <del>Q</del> )	4848V ( <del>CL</del> )	D (61)
Structure	(in)	Q25 (cfs)	V25 (fps)	Yc (in)	Condition	Figure	La (ft)	W <sub>1</sub> (ft)	W <sub>2</sub> (ft)	d50 (ft)	dMAX (ft)	D (ft)
Dn-1A	18	2.50	5.75	10.00	MINIMUM	6-34.2	8	4.5	4.70	0.25	0.38	0.56
Dn-1B	18	2.50	5.75	10.00	MINIMUM	6-34.2	8	4.5	4.70	0.25	0.38	0.56
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

BO 24 9.81 5.88 6.00 MINIMUM 6-34.1 16 6 18.00 0.50 0.75 1.13

C1 24 14.30 8.07 11.00 MINIMUM 6-34.1 16 6 18.00 0.50 0.75 1.13

# 7-DAY LETTER CERTIFICATION

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

THE BELOW SIGNATURE VERIFIES THAT A 1-DAY LETTER WILL BE CERTIFIED UPON COMPLETION OF THE INITIAL INSPECTION PER NPDES REQUIREMENTS.



COMPANY: BREEDLOVE LAND PLANNING, INC.

**GSWCC CHECKLIST LEGEND** 

GSWCC CHECKLIST ITEM NUMBER

# 24-HOUR EROSION CONTACT 4

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

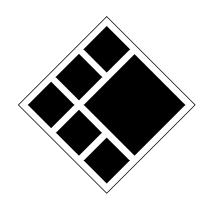
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208 Pirkle Ferry Road, Suite C Cumming, GA 30040



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** 



# **M** COUN:

ROCKDALE COUN COMMISSIONERS

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

**Sheet Title** 

**ES&PC DETAILS** 

Sheet No.

NOT RELEASED FOR CONSTRUCTION

GSWCC 2016 Edition

#### **SEPTIC CALCULATIONS**

DESIGN FLOW & DISPOSAL FIELD SIZING:

• SYSTEM DESIGN BASED ON PROPOSED USE AS:

RESTROOM BUILDING DESIGN FLOW RATIONALE:

35 PERSONS AT I TIME AT FACILITY 35 PERSONS X 10 GPD = 350 GPD

- DRAIN FIELD (PRIMARY & REPLACEMENT) CALCULATIONS::

   SOIL TYPE: WEDOWEE/PACOLET (LEVEL 3 SOIL SURVEY BY MATRIX ENGINEERING) DESIGN PERCOLATION RATE: 45 MPI INSTALL DEPTH: 30"
- DPH LOADING RATE: 5/SQRT (35) = 0.745 GPD/SF DRAIN FIELD AREA: DESIGN FLOW / LOADING RATE = 350 GPD / 0.745 GPD/SF = 470 SF
- DRAIN LINE REQUIRED: 470 SF / 3FT TRENCH = 151 LINEAR FEET (MIN.) PRIMARY DRAIN FIELD: (PRODUCT: HI-CAPACITY CHAMBER PRODUCT, 35% REDUCTION) 157 FT x 0.65 = 103 LINEAR FEET (MINIMUM)
- REPLACEMENT DRAIN FIELD: (FULL LENGTH PRODUCT, NO REDUCTION) 160 LINEAR FEET (MINIMUM) AS SHOWN ON PLANS

#### DRAIN FIELD SPECIFICATIONS:

- PRIMARY:

  GRAVITY FLOW @ MIN. 1.0% TO LEVEL FIELD DRAIN FIELD

  PRODUCT: HI-CAPACITY CHAMBER PRODUCT
- TOTAL DRAIN FIELD SHOWN: 110 LINEAR FEET DRAIN FIELD ORIENTATION MAY BE FIELD ADJUSTED TO AVOID TREES BUT MUST INCLUDE LENGTH OF TRENCH AND PRODUCT SPECIFIED ABOVE.
- EQUAL DISTRIBUTION, 30" TRENCH DEPTH
  (2) TRENCHES 55FT EACH FOR A TOTAL OF 110 LINEAR FEET FULL LENGTH PRODUCT, REGARDLESS TYPE. (NO REDUCTIONS.)

#### **ROCKDALE COUNTY NOTES**

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

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

#### **GENERAL NOTES**

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

#### 24-HOUR EROSION CONTACT

ANDREW HAMMER ROCKDALE COUNTY BOC COMPANY:

EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGAGOV PHONE NUMBER: 678-387-7081

## **GRAPHIC SCALE & ORIENTATION**



#### **UTILITY LOCATION NOTES**

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

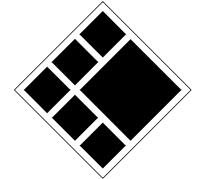
#### **CALL BEFORE YOU DIG**



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**BLP PROJ. NO. 22158** 



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4	01/16/2024	LDP RESUBMITTAL

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JRQ	BAM
Date	Job No.
05/05/2023	22051

**Sheet Title** 

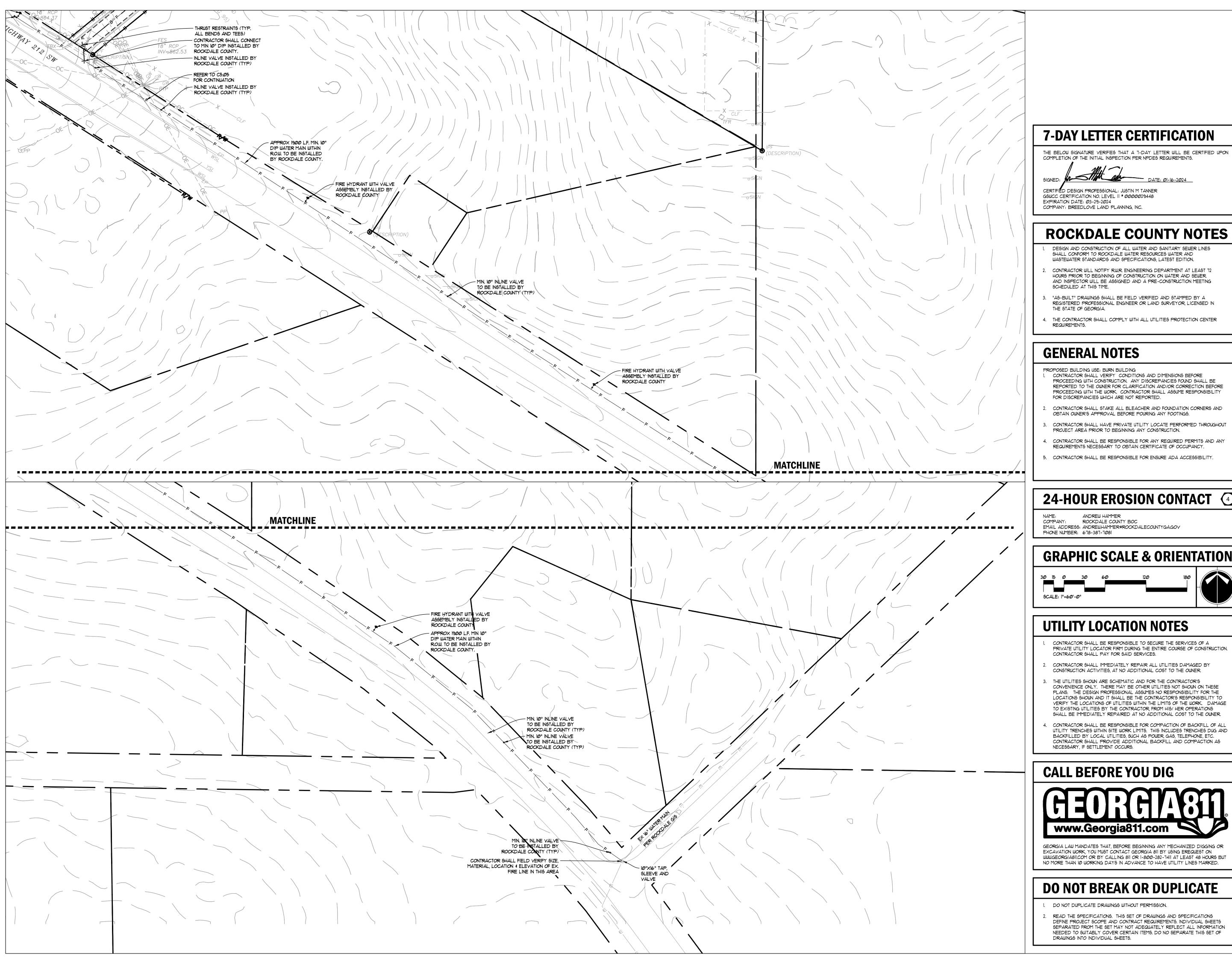
Sheet No.

**UTILITY PLAN** 

NOT RELEASED FOR CONSTRUCTION

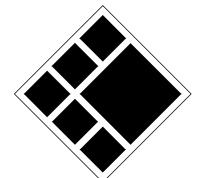
GEORGIA LAW MANDATES THAT, BEFORE BEGINNING ANY MECHANIZED DIGGING OR EXCAVATION WORK, YOU MUST CONTACT GEORGIA 811 BY USING EREQUEST ON WWW.GEORGIA811.COM OR BY CALLING 811 OR 1-800-282-7411 AT LEAST 48 HOURS BUT NO MORE THAN 10 WORKING DAYS IN ADVANCE TO HAVE UTILITY LINES MARKED.

#### DO NOT BREAK OR DUPLICATE





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**BLP PROJ. NO. 22158** 



# **24-HOUR EROSION CONTACT**

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

## **GRAPHIC SCALE & ORIENTATION**

SCALE: 1"=60'-0"

#### **UTILITY LOCATION NOTES**

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

#### **CALL BEFORE YOU DIG**



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

#### DO NOT BREAK OR DUPLICATE

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

ROCKDALE (TRAIINNG CA

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4	01/16/2024	LDP RESUBMITTAL
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ROCKDALE COUNCOMMISSIONERS

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

**Sheet Title** 

WATER LINE PLAN

Sheet No.

#### TREE CALCULATIONS

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

67.43 × 15.00 = <u>1011.45 ODF</u>

EXISTING DENSITY FACTOR (EDF) = 1070.30 UNITS (ONLY TREES 24" AND LARGER WERE SURVEYED.)

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

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

OF FOREST ARE TO REMAIN UNDISTURBED.

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

## **ROCKDALE COUNTY NOTES**

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

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

#### **GENERAL NOTES**

PROPOSED BUILDING USE: BURN BUILDING CONTRACTOR SHALL VERIFY CONDITIONS AND DIMENSIONS BEFORE PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES FOUND SHALL BE REPORTED TO THE OWNER FOR CLARIFICATION AND/OR CORRECTION BEFORE PROCEEDING WITH THE WORK. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR DISCREPANCIES WHICH ARE NOT REPORTED.

- CONTRACTOR SHALL STAKE ALL BLEACHER AND FOUNDATION CORNERS AND OBTAIN OWNER'S APPROVAL BEFORE POURING ANY FOOTINGS.
- CONTRACTOR SHALL HAVE PRIVATE UTILITY LOCATE PERFORMED THROUGHOUT PROJECT AREA PRIOR TO BEGINNING ANY CONSTRUCTION.
- 4. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REQUIRED PERMITS AND ANY REQUIREMENTS NECESSARY TO OBTAIN CERTIFICATE OF OCCUPANCY.
- 5. CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURE ADA ACCESSIBILITY.

EMAIL ADDRESS: ANDREW.HAMMER@ROCKDALECOUNTYGAGOV PHONE NUMBER: 678-387-7081

#### **GRAPHIC SCALE & ORIENTATION**

CONTRACTOR SHALL BE RESPONSIBLE TO SECURE THE SERVICES OF A

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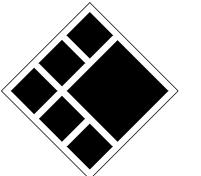
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COMPANY: BREEDLOVE LAND PLANNING, INC.

READ THE SPECIFICATIONS. THIS SET OF DRAWINGS AND SPECIFICATIONS



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**BLP PROJ. NO. 22158** 



# 24-HOUR EROSION CONTACT

ANDREW HAMMER ROCKDALE COUNTY BOC COMPANY:



#### **UTILITY LOCATION NOTES**

- PRIVATE UTILITY LOCATOR FIRM DURING THE ENTIRE COURSE OF CONSTRUCTION. CONTRACTOR SHALL PAY FOR SAID SERVICES.
- CONSTRUCTION ACTIVITIES, AT NO ADDITIONAL COST TO THE OWNER.
- 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 SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST TO THE OWNER

#### **CALL BEFORE YOU DIG**



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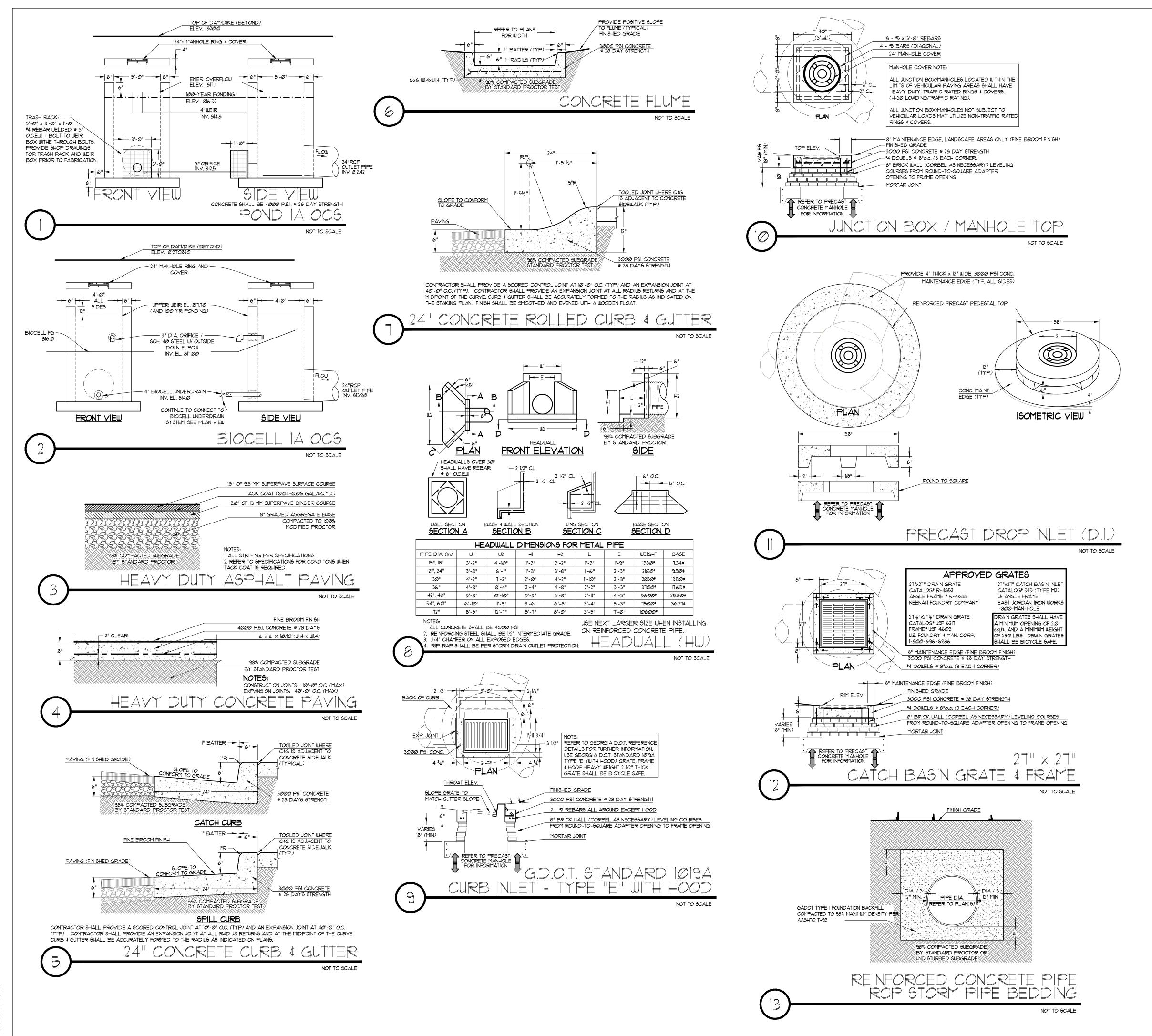
Date	Job No.
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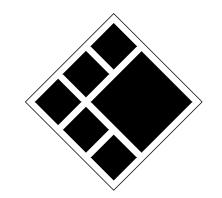
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TREE PROTECTION PLAN

Sheet No.







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# COUNTAMPUS ROCKDALE (TRAIINNG CA

ROCKDALE COUN COMMISSIONERS **PRINT RECORD** No. DATE **DESCRIPTION** 1 07/31/2023 LDP SUBMITTAL 2 09/07/2023 LDP RESUBMITTAL 3 10/12/2023 LDP RESUBMITTAL 4 01/16/2024 LDP RESUBMITTAL

**Checked By Drawn By** Job No.

**Sheet Title** 

SITE WORK CONSTRUCTION **DETAILS** 

Sheet No.

NOTES:
BIOCELL SOIL MEDIA

80% COARSE WASHED SAND (002" TO 004" DIA. PER AASHTO M-6 OR ASTM C-33 CONC. SAND)10% ORGANIC COMPOST

15% ORGANIC COMPOST

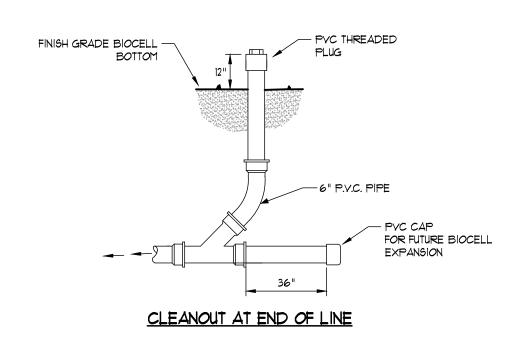
5% ONSITE TOPSOIL

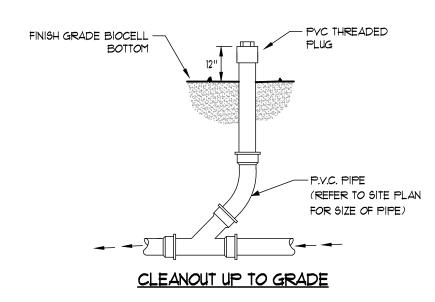
DO NOT INSTALL MEDIA UNTIL UPSTREAM AREAS ARE STABILIZED.

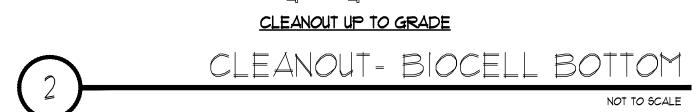
MEDIA COMPONENTS SHALL BE BLENDED THOUGHLY AND INSTALLED IN 6" LIFTS WITH A BLOWER OR CONVEYOR BELT TYPE APPLICATION TO MINIMIZE COMPACTION AND ENSURE EVEN DISTRIBUTION. EACH LIFT SHALL BE THROUGHLY WETTED.

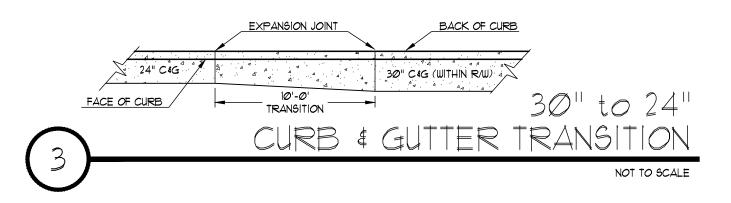
IMEDIATELY AFTER INSTALLATION OF MEDIA, PROVIDE TEMPORARY (ANNUAL RYE GRASS) OR PERMANENT GRASSING DEPENDENT ON SEASON.

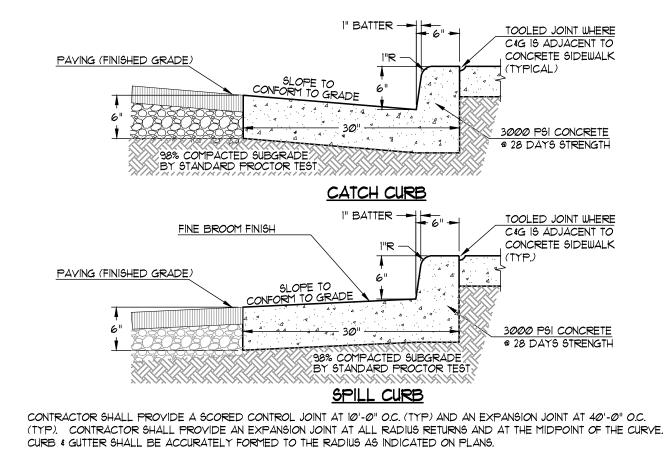
BIO-RETENTION CELL
NOT TO SCALE

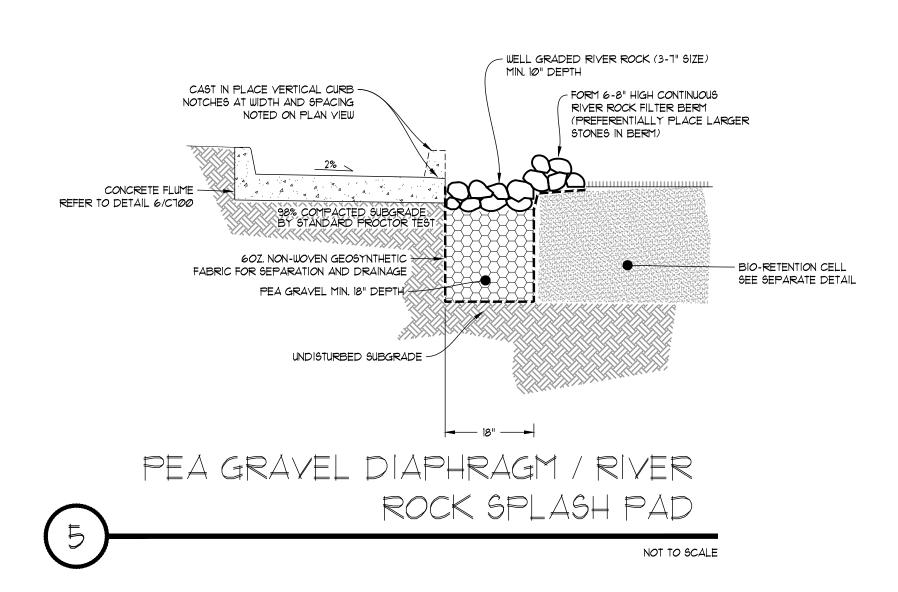








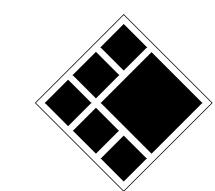




CONCRETE CURB

NOT TO SCALE





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# ROCKDALE COUNTY FIRE TRAIINNG CAMPUS

PRINT RECORD

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JRQ

Date

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BAM

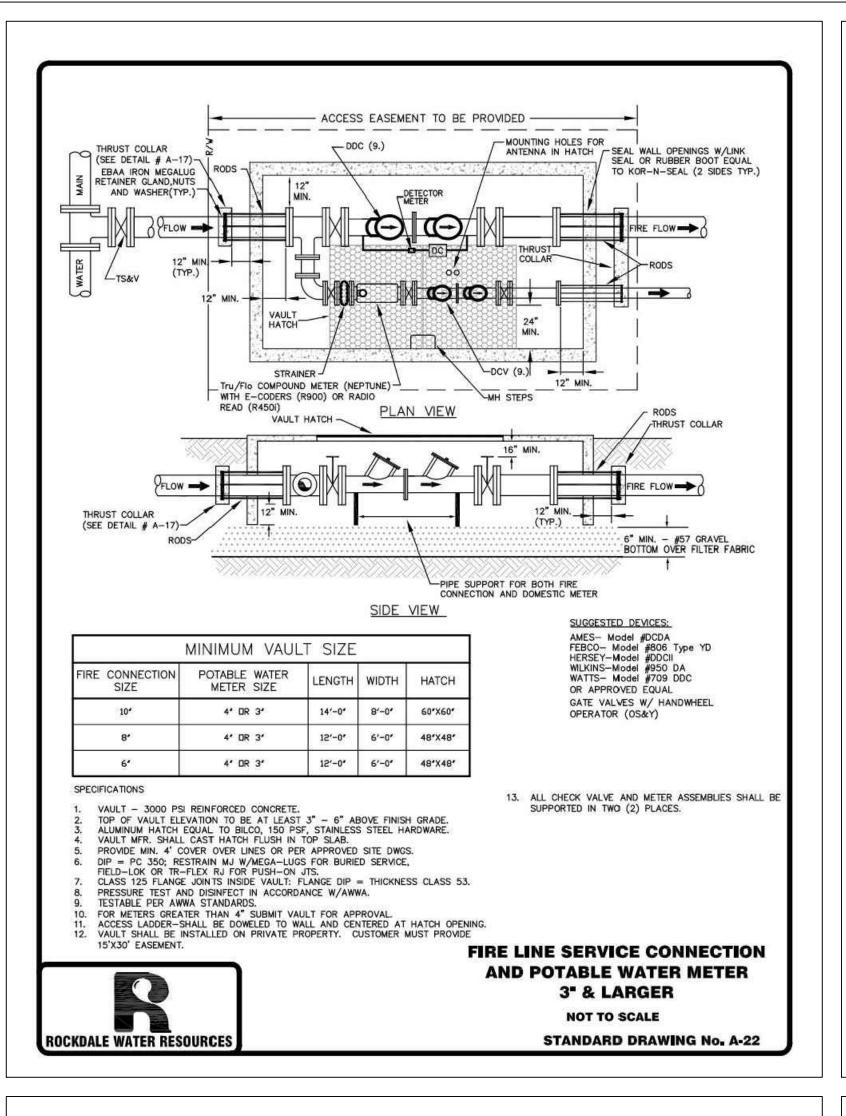
Job No.
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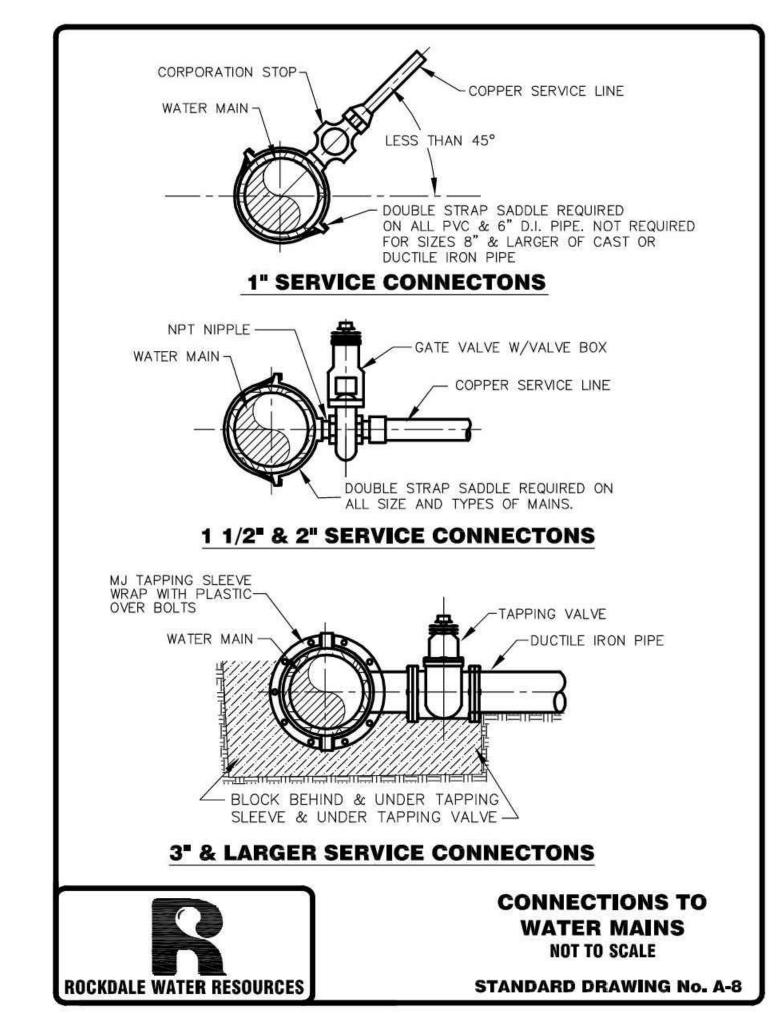
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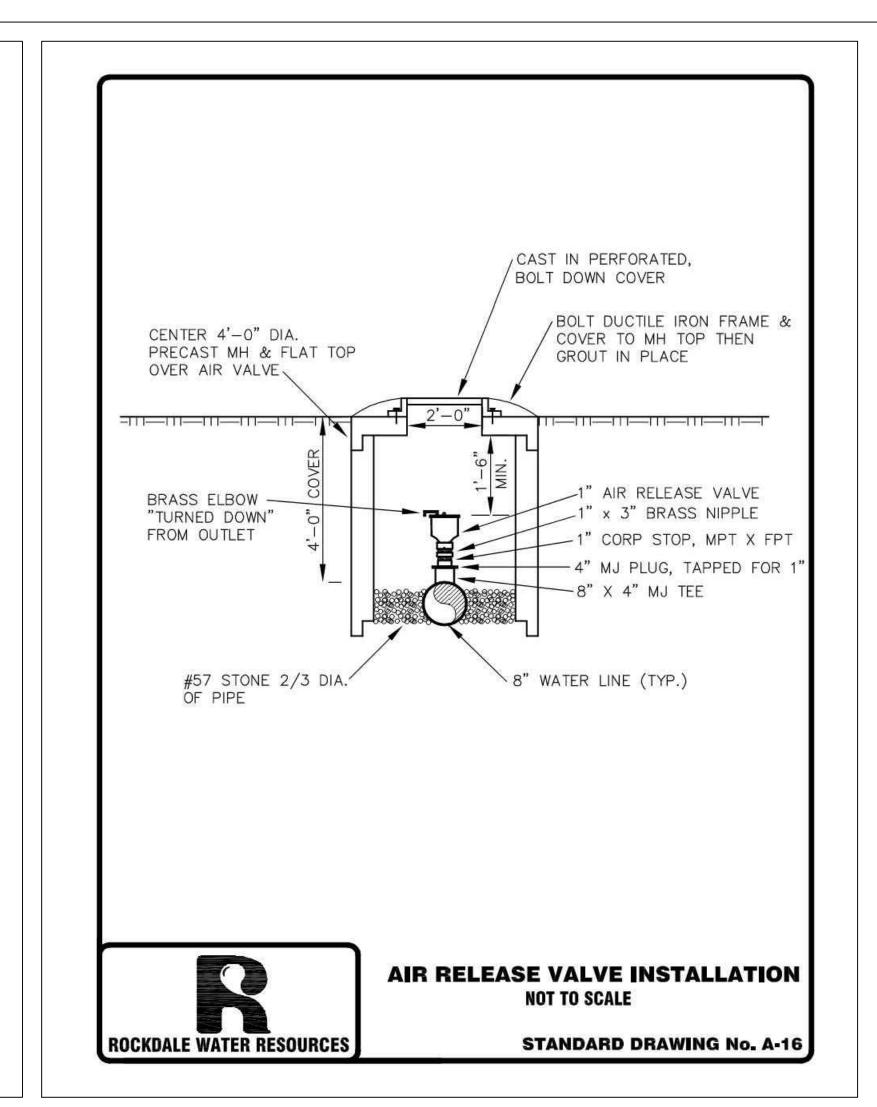
SITE WORK CONSTRUCTION DETAILS

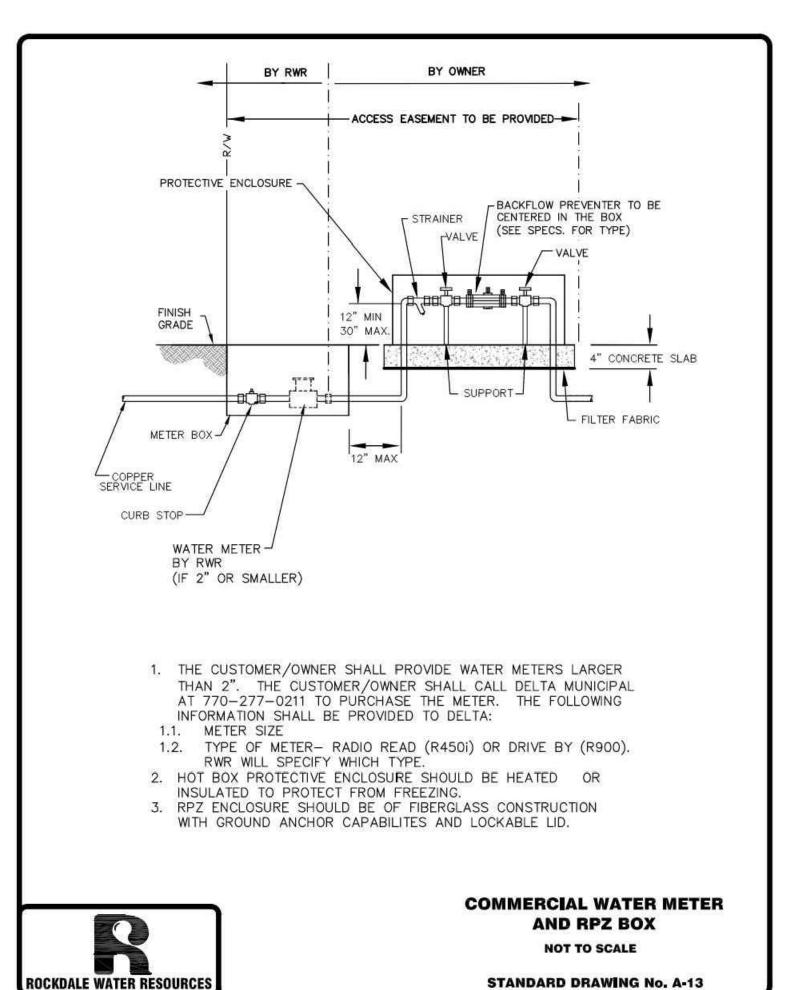
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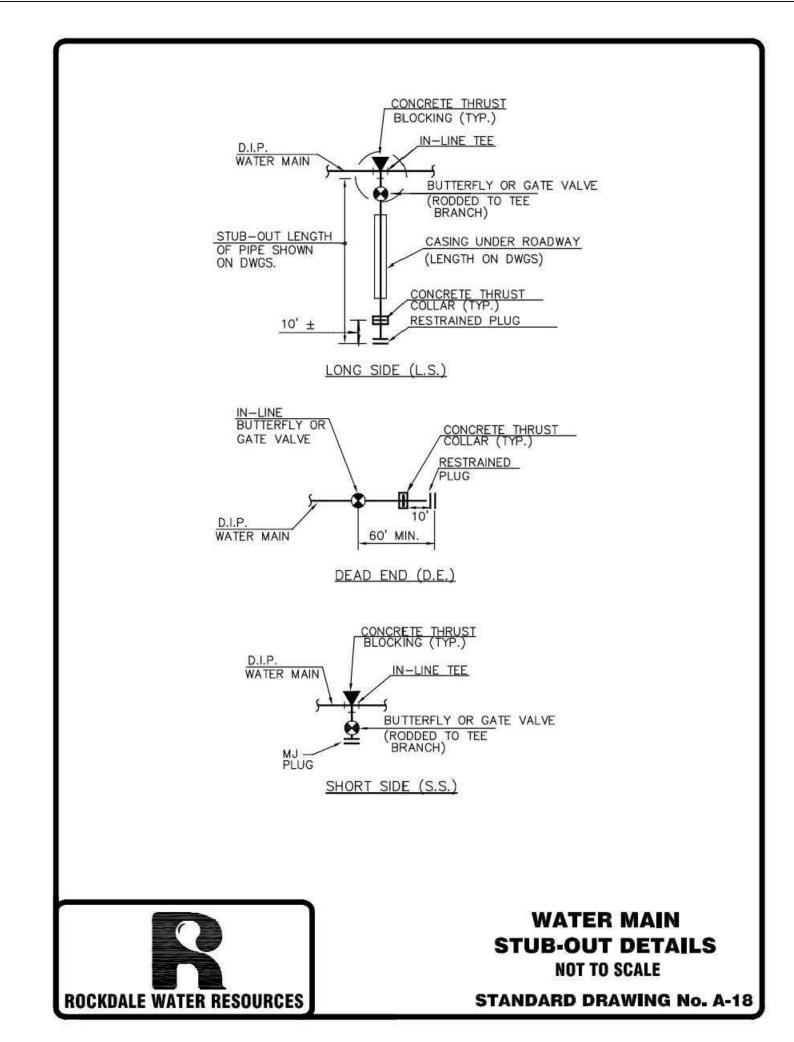
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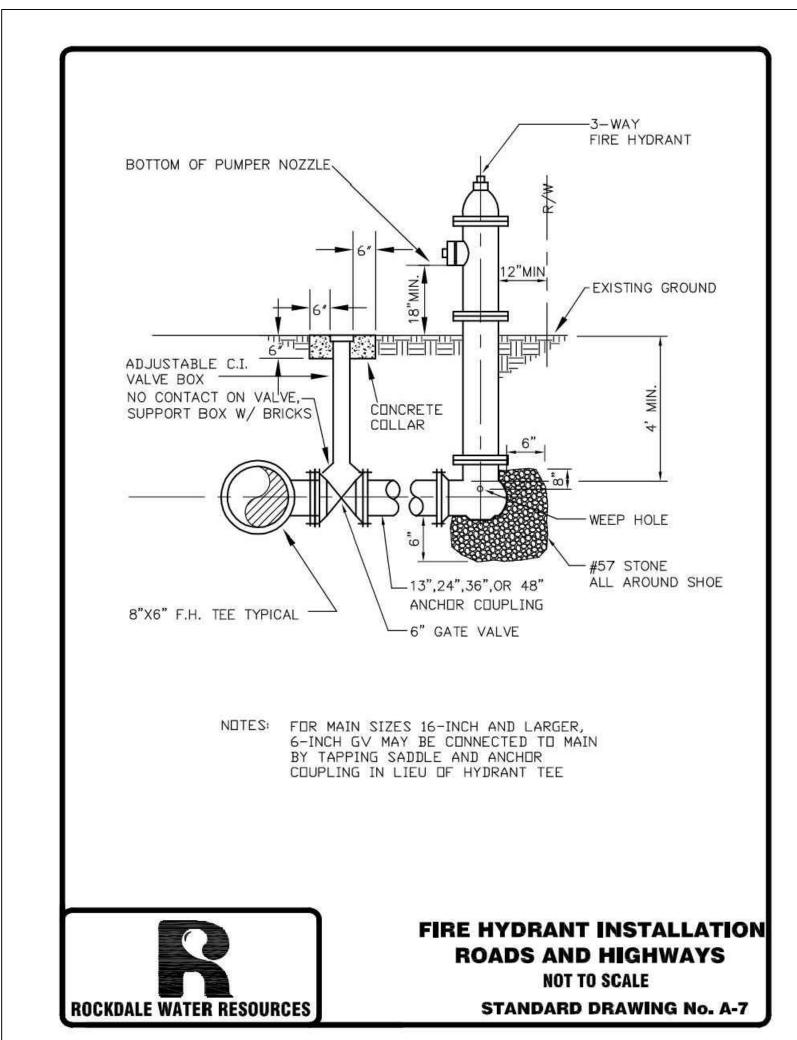






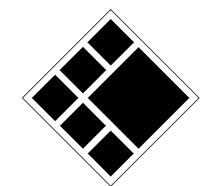








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# ROCKDALE COUNTY FIRE TRAIINNG CAMPUS

ROCKDALE COUNTY E

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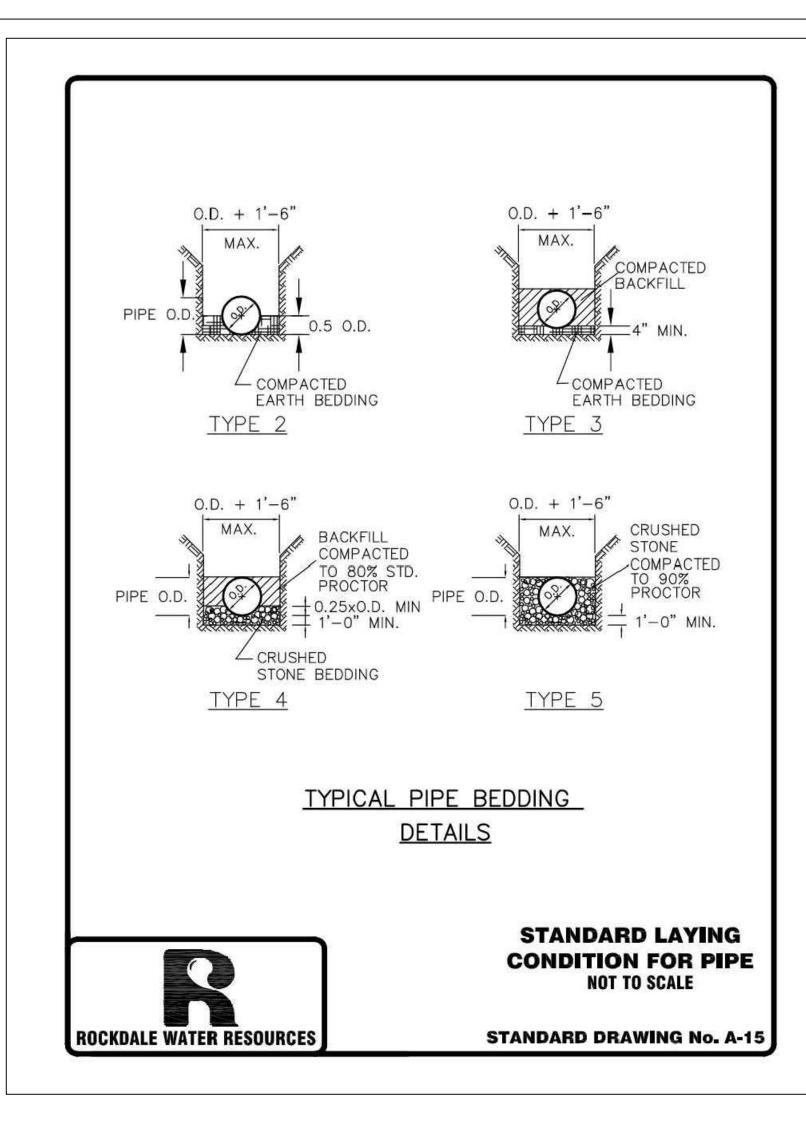
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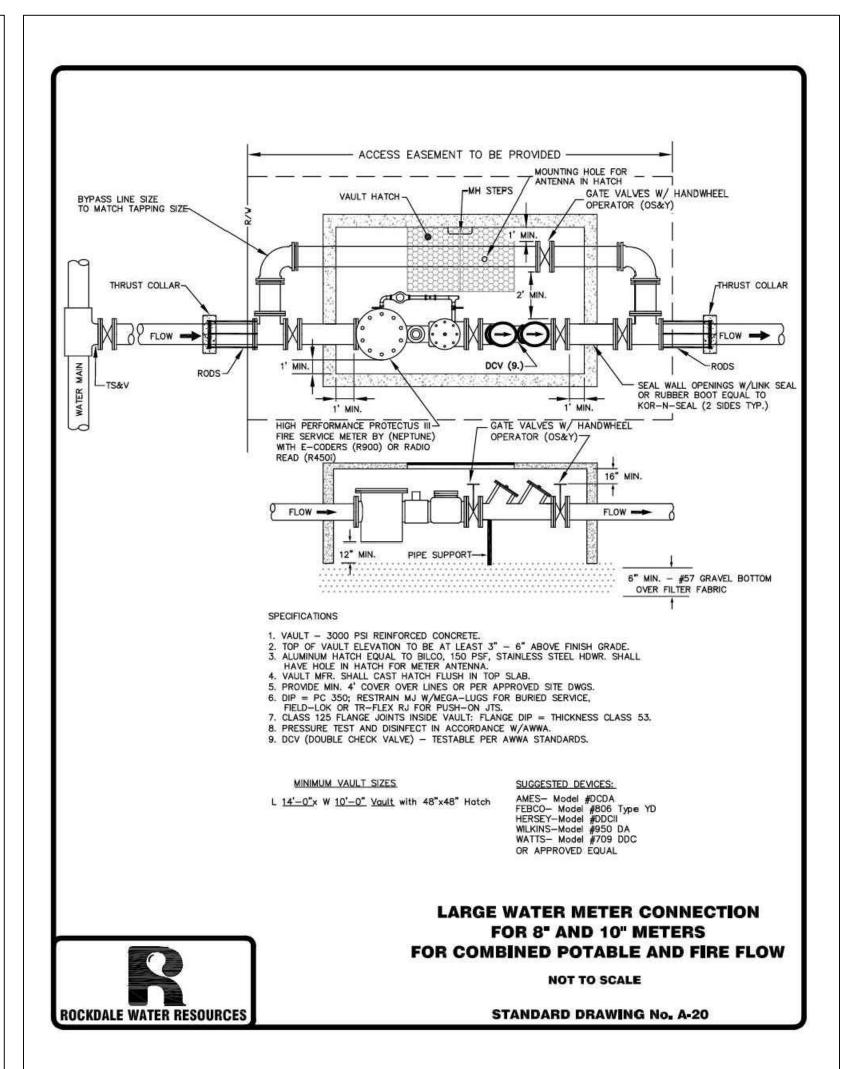
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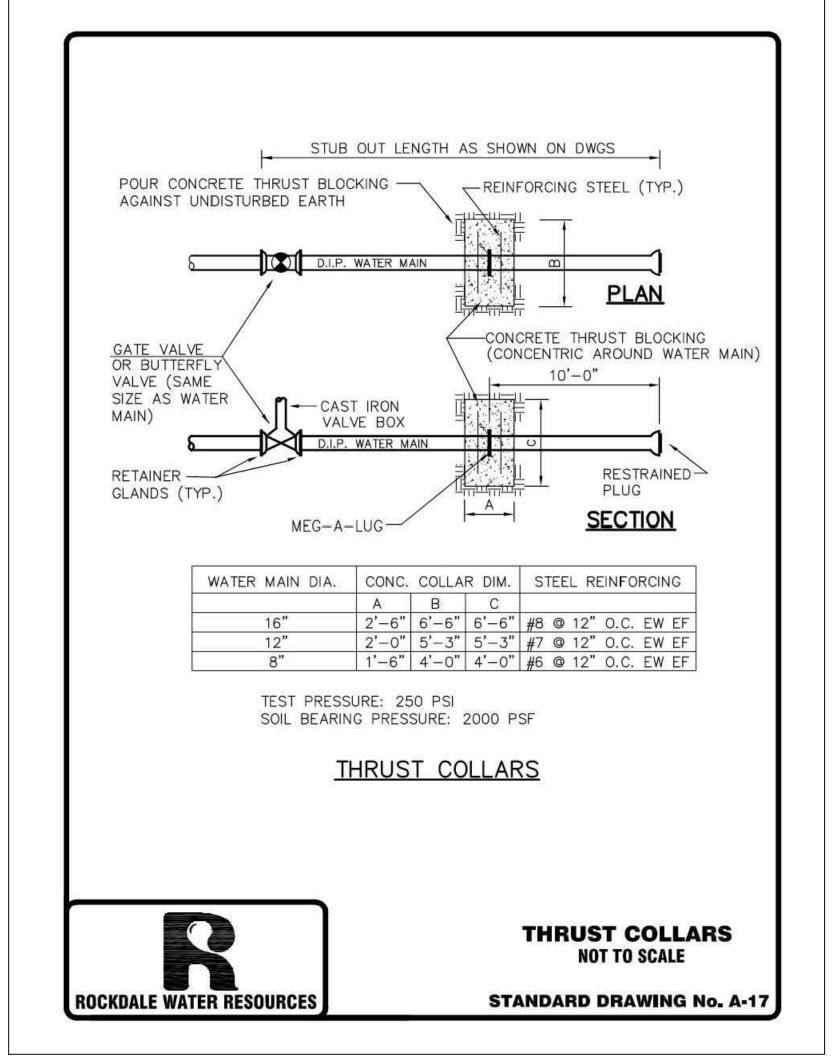
ROCKDALE COUNTY STANDARD DETAILS

Sheet No.

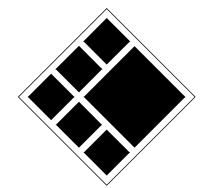
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# ROCKDALE COUNTY FIRE TRAIINNG CAMPUS

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ROCKDALE COUNTY STANDARD DETAILS

Sheet No.

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