

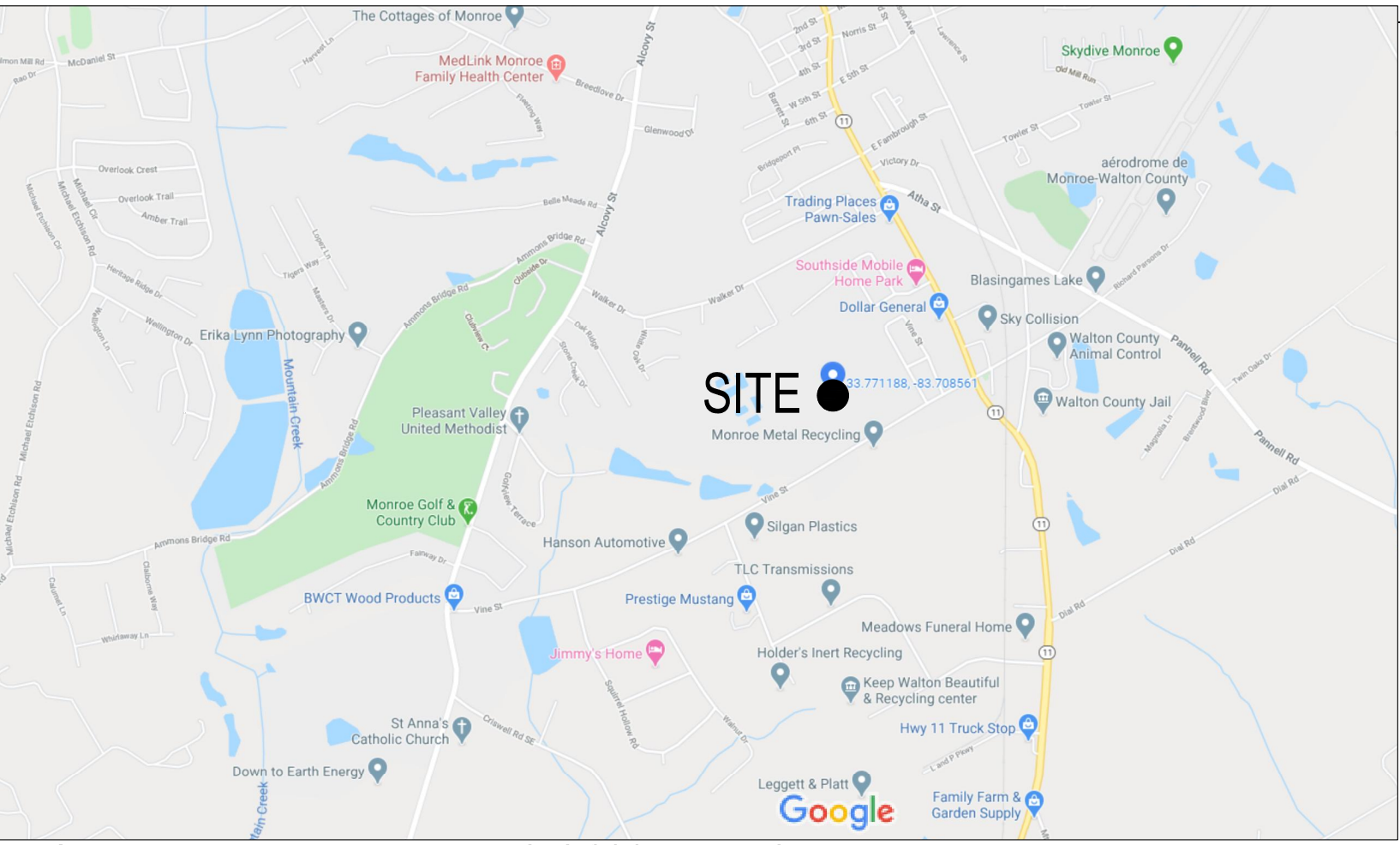
SITE DEVELOPMENT PLANS  
FOR  
150 VINE ST EROSION CONTROL PLAN

M0210001A00  
150 VINE ST  
MONROE GA, 30655  
ZONING - M1

S H E E T I N D E X

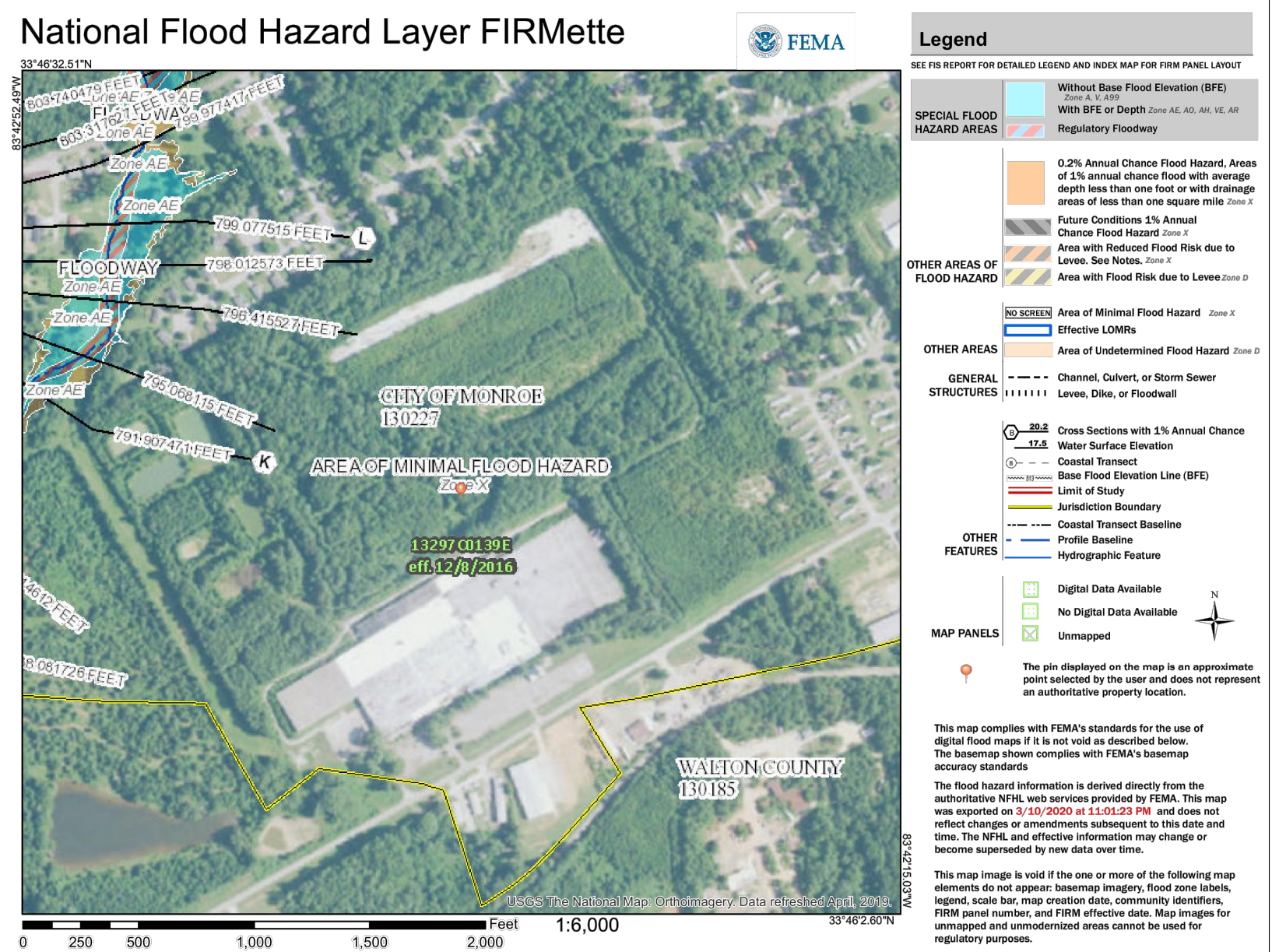
Sheet Number	Sheet Title
CV-1.0	COVER SHEET
C-1.1	GENERAL NOTES
C-2.1	GRADING AND DRAINAGE PLAN 1 OF 2
C-2.2	GRADING AND DRAINAGE PLAN 2 OF 2
C-2.3	STORMWATER MANAGEMENT SYSTEM DETAILS
C-2.4	STORMWATER MANAGEMENT SYSTEM DETAILS
C-3.1	EROSION, SEDIMENTATION, AND POLLUTION CONTROL NOTES
C-3.2	PHASE I EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN
C-3.3	PHASE II EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN
C-3.4	PHASE III EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN
C-3.5	EROSION, SEDIMENTATION, AND POLLUTION CONTROL DETAILS
C-3.6	EROSION, SEDIMENTATION, AND POLLUTION CONTROL DETAILS

ANY EXPOSED PIECES OF CERAMIC SHALL BE BURIED AND COVERED  
PER THE PREVIOUS LANDFILL CLOSING PLAN PROVIDED BY OTHERS.



VICINITY MAP  
NOT TO SCALE

**GPS COORDINATES**  
N 33° 46' 16.28" W -83° 42' 30.82"  
N 33.771188 W -83.708561



FLOOD MAP  
NOT TO SCALE

STANDARD ABBREVIATIONS		LEGEND	
APPROX = APPROXIMATE BLDG = BUILDING BM = BENCH MARK C&G = CURBS AND GUTTER CI = CURB INLET C/L = CURB LINE CMP = CORRUGATED METAL PIPE CO = CLEAN OUT CPP = CORRUGATED PLASTIC PIPE CTP = CHIMNEY TOP FOUND DB = DEEP BODY	DA = DRAINAGE DOW = DOWNSPOUT DWCH = DOUBLE WING CATCH BASIN ES&P = EROSION, SEDIMENTATION, AND POLLUTION CONTROL FDC = FIRE DEPARTMENT CONNECTION FFE = FINISH FLOOR ELEVATION FH = FIRE HYDRANT FO = FIBER OPTIC FT = FEET GI = GROUND INLET	GM = GAS METER GP = GUY POLE GV = GAS VALVE ICV = IRRIGATION CONTROL VALVE IE = INVERT ELEVATION IMP = IMPERIOUS IPF = IRON PIPE FOUND JB = JUNCTION BOX LJA = LOCAL ISSUING AUTHORITY LP = LIGHT POLE NTS = NOT TO SCALE	OHE = OVER HEAD POWER PB = PLAT BOOK PG = PACE PL = PROPERTY LINE POB = POINT OF BEGINNING PP = POWER POLE PVC = POLY VINYL CHLORIDE PIPE RFB = REBAR FOUND RCP = REINFORCED CONCRETE PIPE RW = RIGHT OF WAY SMH = SANITARY MANHOLE
SS = SANITARY SEWER SSMH = SANITARY SEWER MANHOLE SWCP = SINGLE WING CATCH BASIN T&P = TAX MAP PARCEL W = WATER WM = WATER METER WV = WATER VALVE			
STANDARD SYMBOLS			
BM = BENCHMARK CO = CORNER DS = DRAINAGE FDC = FENCE	FH = FIRE HYDRANT FO = FINISH FLOOR GAS = GAS LINE GAS = GAS METER GAS = GAS VALVE GATE = GATE	GP = GUY POLE HIC PARKING ICV = IRRIGATION CONTROL VALVE IPF = IRON PIPE FOUND LIGHT BOX	LP = LIGHT POLE OHE = OVER HEAD POWER POWER (OVERHEAD) POWER (UNDERGROUND) POWER BOX POWER METER PP = POWER POLE
			SS = SANITARY SEWER SSMH = SANITARY SEWER MANHOLE SWCP = SINGLE WING CATCH BASIN T&P = TAX MAP PARCEL W = WATER WM = WATER METER WV = WATER VALVE

**DEVELOPER**  
OWNER: TOMMY BREEDLOVE  
ADDRESS: 10161 INDUSTRIAL DRIVE  
COWINGTON, GA 30014  
CONTACT: TOMMY BREEDLOVE  
PHONE: 706-318-2572

**CONTRACTOR**  
COMPANY: XXXXXX  
ADDRESS: XXXXXX  
CONTACT: XXXXXX  
PHONE: (XXX) XXX-XXXX

**SURVEYOR**  
EXISTING CONDITIONS  
DERIVED FROM RECENT  
AERIAL DRONE  
PHOTOGRAPHY AND GIS  
TOPOGRAPHY DATA

**SITE DESIGNER**  
COMPANY: GEORGIA CIVIL, INC.  
ADDRESS: P.O. BOX 896  
MADISON, GA 30650  
PHONE: 706-342-1104

JASON P. BROWN  
LEVEL II CERTIFIED  
DESIGN PROFESSIONAL  
#53274 - EXP. 05.01.2023

**24-HOUR CONTACT**  
CHRIS HILSMAN  
706-347-0650

**GEORGIA811**  
www.Georgia811.com

Contact 811 before you dig

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Project Information

150 VINE ST EROSION CONTROL PLAN  
PARCEL NO. : M0210001A00  
150 VINE ST  
MONROE GA, 30655  
ZONING-M1

DRAWING DATE:	7.9.2020
DRAWN BY:	MKS
CHECKED BY:	JPB
REVISIONS	
DATE:	DESCRIPTION:
08.10.20	CITY COMMENTS
10.15.20	GSWCC COMMENTS
10.26.20	GSWCC COMMENTS

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COVER SHEET

Sheet Number

CV-1.0



A

B

C

D

E

A

B

C

D

E

gc

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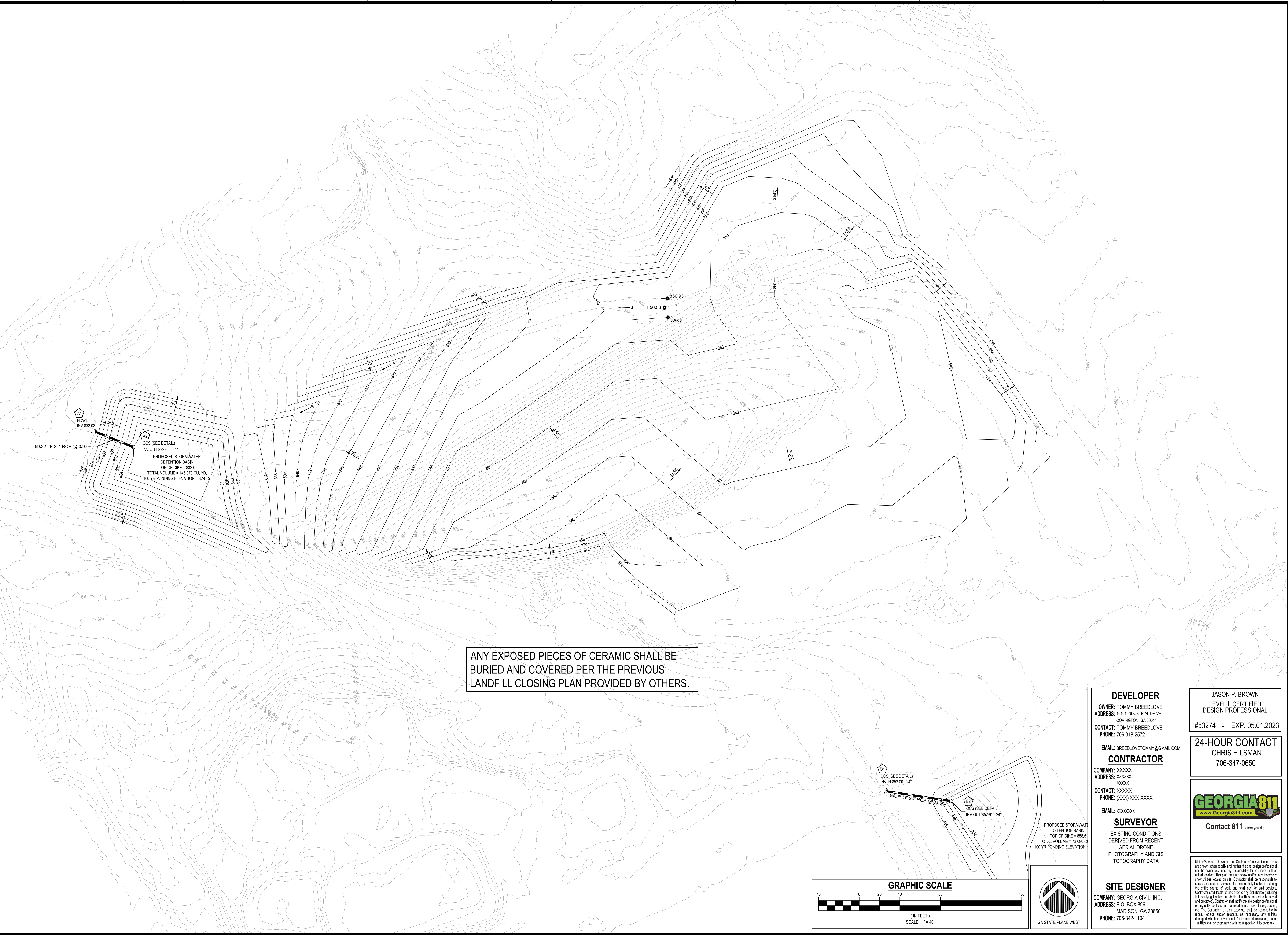
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GRADING AND DRAINAGE PLAN 1 OF 2

Sheet Number

C-2.1



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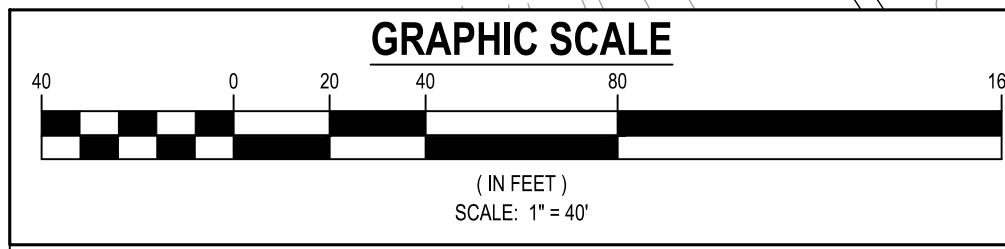
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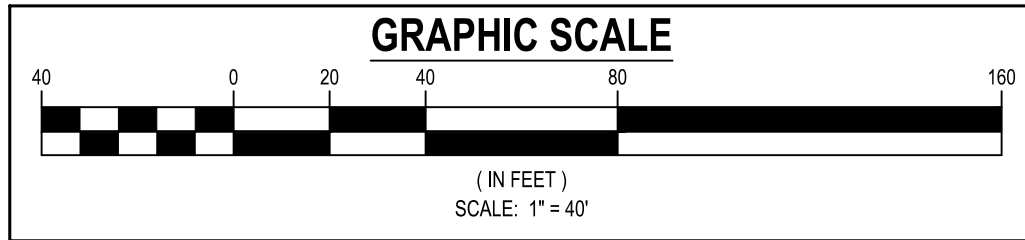
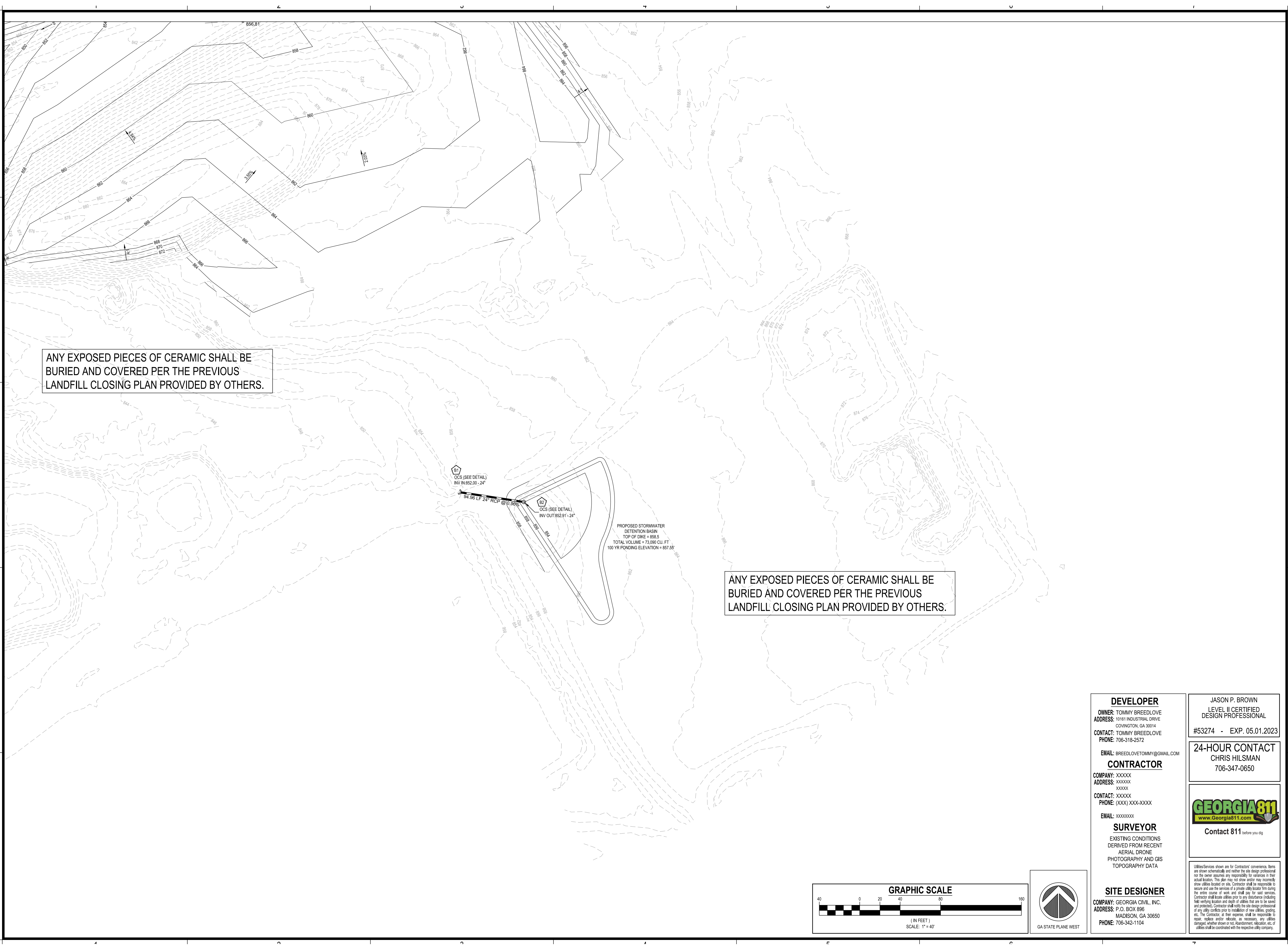
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A  
B  
C  
D  
E



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GRADING AND  
DRAINAGE PLAN 2 OF 2

Sheet Number  
**C-2.2**

C

1. REFER TO ASTM D2321 / CSA B182.11 / ENQ 2560 FOR MORE COMPLETE SOIL DESCRIPTIONS.
2. CLASS I MATERIALS ALLOW FOR A BROADER RANGE OF FINES THAN PREVIOUS VERSIONS OF D2321 / B182.11. WHEN SPECIFYING CLASS I MATERIAL FOR INFILTRATION SYSTEMS, THE ENGINEERING SHALL INCLUDE A REQUIREMENT FOR AN ACCEPTABLE LEVEL OF FINES.
3. ALL PARTICLE FACES SHALL BE FRACTURED.
4. ASSUMES LESS THAN 25% PASSES THE 3/8" SIEVE.
5. CLASS IV MATERIALS REQUIRE A GEOTECHNICAL EVALUATION PRIOR TO USE AND SHOULD ONLY BE USED AS BACKFILL UNDER THE GUIDANCE OF A QUALIFIED ENGINEER.
6. UNIFORM FINE SANDS (SP) WITH MORE THAN 50% PASSING A 100 SIEVE BEHAVE LIKE SILTS AND SHOULD BE TREATED AS CLASS III SOILS IF ALLOWED.
7. CLASS V MATERIALS SHALL NOT BE PERMITTED AS BEDDING AND BACKFILL MATERIAL.

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**E**

# 150 VINE ST EROSION CONTROL PLAN

**EROSION CONTROL**  
**PARCEL NO. : M0210001A00**  
**150 VINE ST**  
**MONROE GA, 30655**  
**ZONING-M1**

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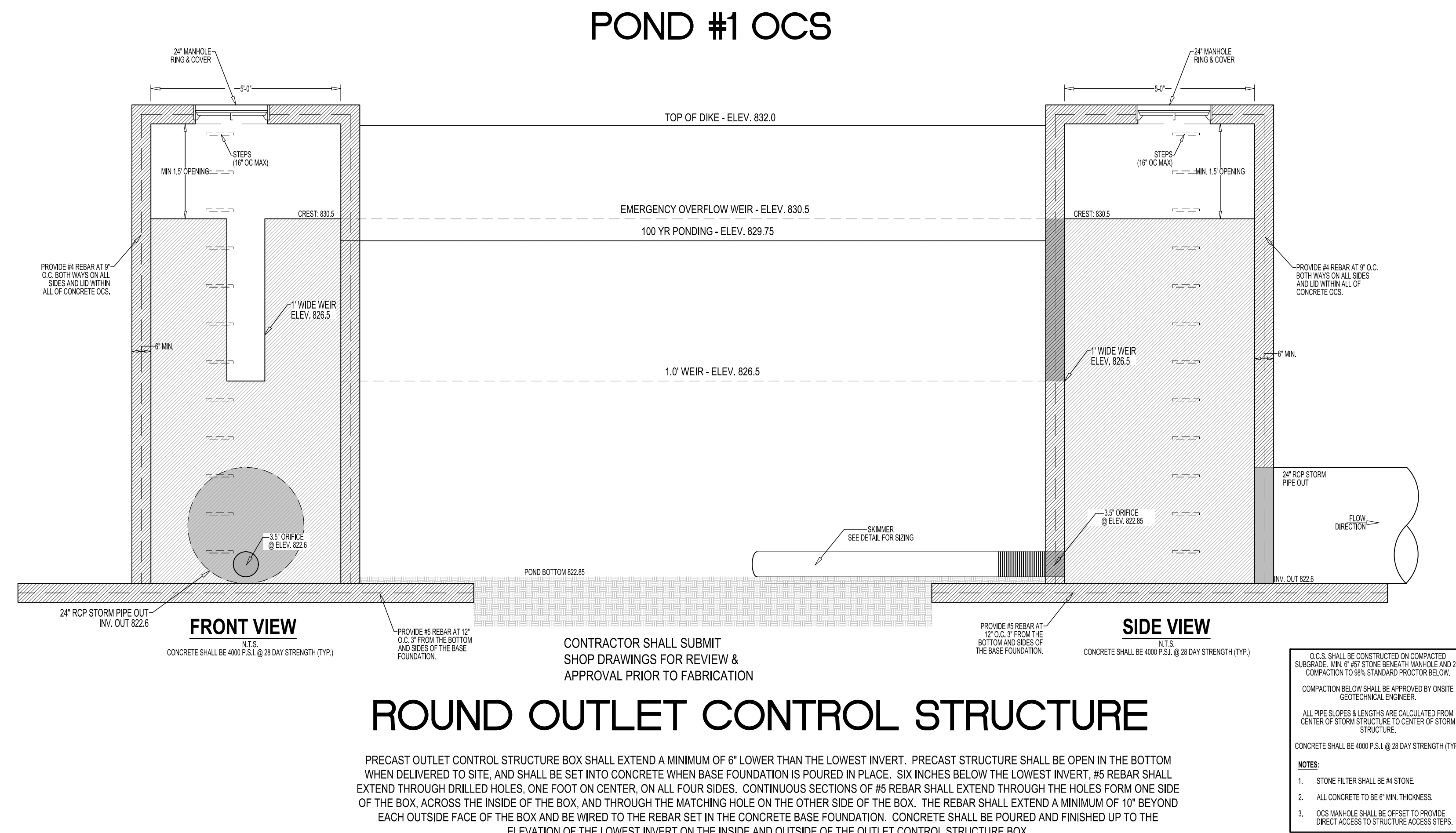
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Sheet Title

## STORMWATER MANAGEMENT SYSTEM DETAILS

Sheet Number

C-2.4



**POND #2 OCS**

TOP OF DIKE - ELEV. 858.5

100-YR PONDING - ELEV. 857.45

1.5' WEIR - ELEV. 855.4

FINISHED GRADE INSIDE POND: 853.0

**FRONT VIEW**

**SIDE VIEW**

24" MANHOLE RING & COVER

5'-0"

1.0' MIN.

STEPS (16" OC MAX)

CREST: 857.5

SCHEDULE 40 PVC THREADED END CAP WITH PVC THREADED PLUG

18" MIN.

SCHEDULE 40 PERFORATED PVC (6" DIA.) (3/8" HOLE DIA.)

2" ORIFICE 853

40 PIPE TO BE CUT TO WITHIN 3" OF STRUCTURE

6" MIN.

PROVIDE #6 REBAR AT 12" O.C. 3' FROM THE BOTTOM AND SIDES OF THE BASE FOUNDATION.

24" STORM PIPE OUT

ELV. 853.0

CONCRETE SHALL BE 4000 P.S.I. @ 28 DAY STRENGTH (TYP.)

24" ROOF STORM PIPE OUT

WATER QUALITY ORIFICE 6" PVC WITH THREADED END CAP AND 2.0" HOLE DIA. BOTTOM OF CAP ONCE TIGHTENED IN

SCHEDULE 40 SOLID PVC (6" DIA.)

SCHEDULE 40 PVC THREADED END CAP WITH PVC THREADED PLUG

12" MIN.

3"

6" MIN.

CONCRETE SHALL BE 4000 P.S.I. @ 28 DAY STRENGTH (TYP.)

24" MANHOLE RING & COVER

5'-0"

1.7' MIN.

STEPS (16" OC MAX)

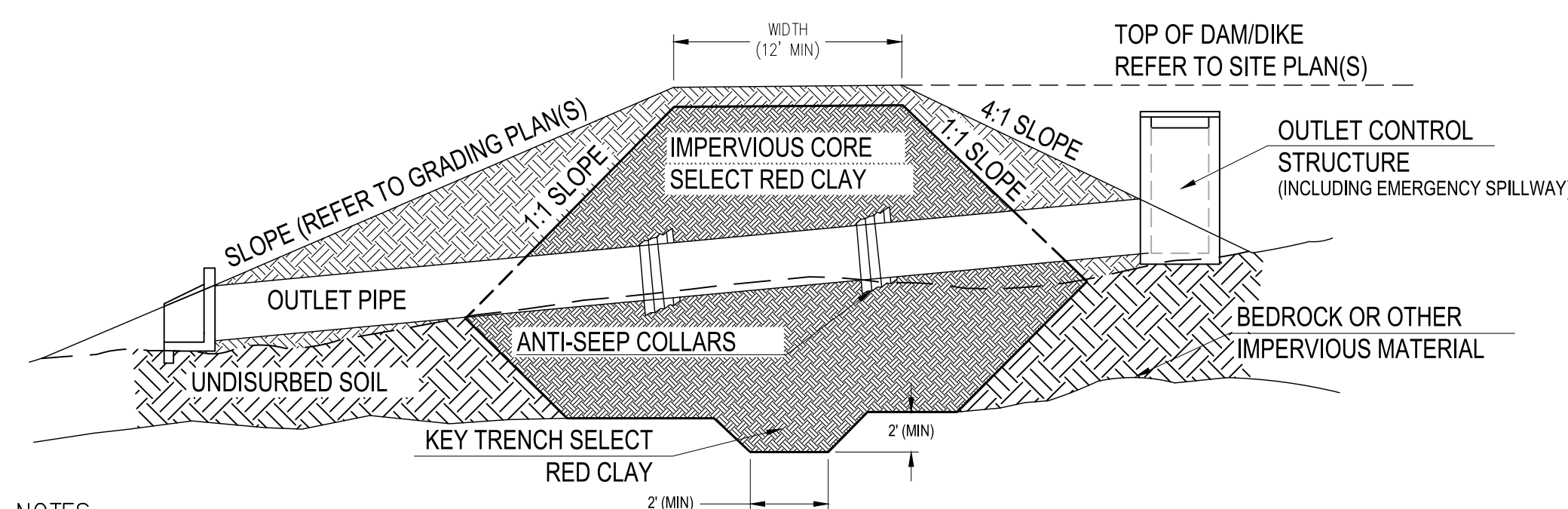
CREST: 857.5

PROVIDE #6 REBAR AT 12" O.C. 3' FROM THE BOTTOM AND SIDES OF THE BASE FOUNDATION.

CONCRETE SHALL BE 4000 P.S.I. @ 28 DAY STRENGTH (TYP.)

**ROUND OUTLET CONTROL STRUCTURE**

PRECAST OUTLET CONTROL STRUCTURE BOX SHALL EXTEND A MINIMUM OF 6" LOWER THAN THE LOWEST INVERT. PRECAST STRUCTURE SHALL BE OPEN IN THE BOTTOM WHEN DELIVERED TO SITE, AND SHALL BE SET INTO CONCRETE WHEN BASE FOUNDATION IS POURED IN PLACE. SIX INCHES BELOW THE LOWEST INVERT, #5 REBAR SHALL EXTEND THROUGH DRILLED HOLES, ONE FOOT ON CENTER, ON ALL FOUR SIDES. CONTINUOUS SECTIONS OF #5 REBAR SHALL EXTEND THROUGH THE HOLES FORM ONE SIDE OF THE BOX, ACROSS THE INSIDE OF THE BOX, AND THROUGH THE MATCHING HOLE ON THE OTHER SIDE OF THE BOX. THE REBAR SHALL EXTEND A MINIMUM OF 10" BEYOND EACH OUTSIDE FACE OF THE BOX AND BE WIRED TO THE REBAR SET IN THE CONCRETE BASE FOUNDATION. CONCRETE SHALL BE POURED AND FINISHED UP TO THE ELEVATION OF THE LOWEST INVERT ON THE INSIDE AND OUTSIDE OF THE OUTLET CONTROL STRUCTURE BOX.



- NOTES:
1. ALL FILL MATERIAL FOR DAM/DIKE SHALL BE COMPACTED TO 98% MAXIMUM DENSITY AS DETERMINED BY STANDARD PROTOR TEST.
  2. SELECT CORE MATERIAL SHALL BE OBTAINED FROM ON-SITE SOURCE AS IDENTIFIED AND DIRECTED BY GEOTECHNICAL ENGINEER.
  3. ANTI-SEEP COLLARS/BRICK COLLAR WALLS SHALL BE INSTALLED AT ALL PIPE JOINTS WITHIN LIMITS OF DAM/DIKE.
  4. PER HYDROLOGY STUDY CALCULATIONS THE OUTLET CONTROL STRUCTURE(S) ARE DESIGNED TO INCLUDE THE REQUIRED EMERGENCY SPILLWAY. PLEASE SEE HYDROLOGY STUDY FOR DETAILED CALCULATIONS.

## DETENTION BASIN DAM/DIKE

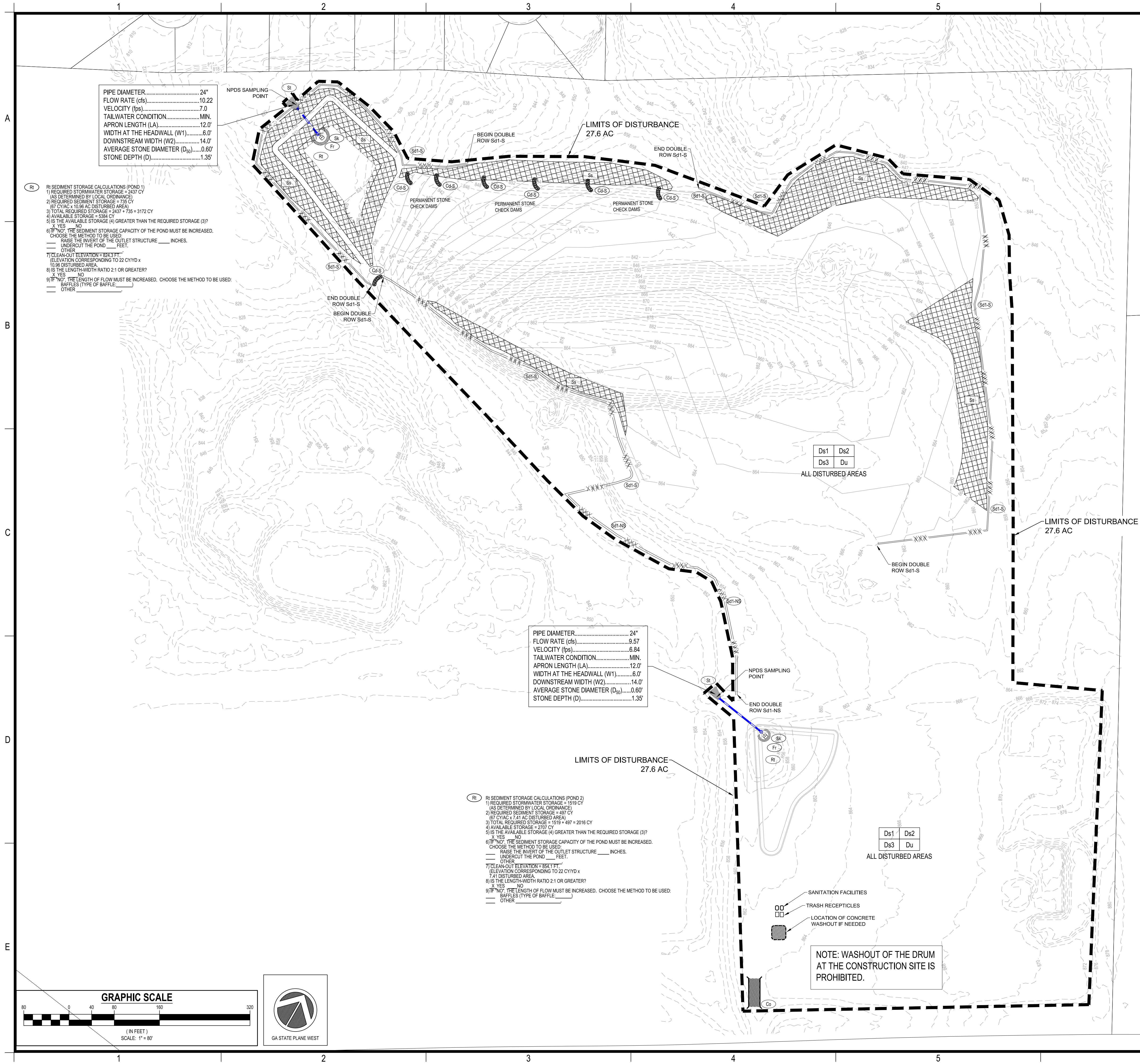
NOT TO SCALE

10. Contractor shall remove accumulated sediment from collection basin at end of construction when all disturbed areas have been fully stabilized.

A horizontal number line with arrows at both ends. Four points are marked with vertical tick marks and labeled below the line: A at 0, B at 1, C at 2, and D at 3.

Commission	
2.	3.





GEORGIA UNIFORM CODING SYSTEM SOIL EROSION & SEDIMENT CONTROL				
STRUCTURAL PRACTICES				
Code	Practice	Symbol	Code	Practice
C4-Fs	Compost Filter Sock		S42-F	Inlet Sediment Trap (Gravel Drop)
C4-Hb	Straw-Bale Check Dams		S42-P	Inlet Sediment Trap (Pebble Protection)
C4-S	Stone Check Dams		S42-S	Inlet Sediment Trap (Silt Inlet Protection)
Ch-1	Channel Stabilization Category (Vegetation/Soil)		S43	Temporary Sediment Basin
Ch-2	Channel Stabilization Category (Rip-Rap, TSM)		S44	Temporary Sediment Trap
Ch-3	Channel Stabilization Category (Concrete)		Sk	Floating Filter Surface Summer
Co	Construction		SpB	Sleep Berm
Cr	Construction Road Stabilization		St-B	Temporary Stream Crossing (Bridge)
Dc-A	Stream Diversion Channel (Geotextile, Silt, or Polypropylene Liner)		St-C	Temporary Stream Crossing (Culvert)
Dc-B	Stream Diversion Channel (Geotextile alone)		St	Storm Drain Outlet Protection
Dc-C	Stream Diversion Channel (Class II Riprap and Geotextile)		Su	Surface Roughening
D	Diversions		Tc-F	Turbidity Curtain (Floating)
Dn1	Temporary Downstream Structure		Tc-S	Turbidity Curtain (Shaded)
Dn2	Permanent Downstream Structure		Tr	Topsoiling
Fr	Filter Ring		W	Vegetated Waterway or Stormwater Conveyance Channel
Ga	Gabion		VEGETATIVE MEASURES	
G	Grade Stabilization Structure		BF	Buffer Zone
Lv	Level Spreader		Cs	Coastal Dune Stabilization (w/ Vegetation)
Rd	Rock Filter Dam		Ds1	Disturbed Area Stabilization (w/ Mulching Only)
Re	Retaining		Ds2	Disturbed Area Stabilization (w/ Permanent Seeding)
Rt-B	Retrified (Silt Control Gate)		Ds3	Disturbed Area Stabilization (w/ Permanent Vegetation)
Rt-P	Retrified (Perforated Half-Round Type w/ Stone Filter)		Ds4	Disturbed Area Stabilization (w/ Seeding)
Rt-Sg	Retrified (Silt Control Gate)		Du	Dust Control on Disturbed Areas
Sd1-BB	Sediment Barrier (Type I - Brush Barrier)		Fl-Co	Flocculants
Sd1-NB	Sediment Barrier (Type II - Non-Vegetative Areas)		St	Stabilization (Using Permanent Vegetation)
Sd1-S	Sediment Barrier (Type III - Sensitive Areas)		Ss	Slope Stabilization (Roller Erosion Control Products (RECPs))
Sd1-T	Sediment Barrier (Type IV - Temporary Filter Media Sock)		Tac-1	Tackifiers: Type I (Synthetic Polymers)
Sd2-B	Inlet Sediment Trap (Baffle Box)		Tac-2	Tackifiers: Type II (Organic Polymers)
Sd2-S	Inlet Sediment Trap (Block & Gravel Drop Inlet Protection)		Tac-3	Tackifiers: Type III (Organic Polymers)
Sd2-T	Inlet Sediment Trap (Expanded Inlet w/ Synthetic Fibers)		Tac-4	Tackifiers: Type IV (Organic Polymers)
Sd2-F	Inlet Sediment Trap (Fiber Fabric w/ Supporting Frame)		Tac-5	Tackifiers: Type V (Synthetic Organic Blends w/ Synthetic Fibers)

PHASE 2 DISTURBANCE:  
27.6 AC ACRES

REFER TO  
SHEET C-1.1  
AND C-3.1 FOR  
EROSION,  
SEDIMENTATION,  
AND POLLUTION  
CONTROL  
NOTES

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Maintenance of all soil erosion and sedimentation control measures and practices, whether temporary or permanent, shall be at all times the responsibility of the property owner.

GSWCC EROSION CONTROL NOTES:

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 be stabilized with mulch or temporary seeding.

Any amendments/revisions to the ES&PC Plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.

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Professional Seal  
Professional Engineer  
Jason P. Brown  
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Sheet Title  
PHASE II EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN  
Sheet Number  
C-3.3



DS1

GSWCC 2016 Edition

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 6 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 the soil surface and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than 6 months.

If any area remains undisturbed for greater than 6 months, permanent vegetation techniques shall be employed. Refer to **Ds1-Disturbed Area Stabilization (With Permanent Seeding)**, **Ds2-Disturbed Area Stabilization (With Temporary Seeding)**, and **Ds4-Disturbed Area Stabilization (With Mulching Only)**.

SPECIFICATIONS (Mulching Without Seeding)

This standard applies to graded or cleared areas where seedlings may not have a suitable growing season to produce an erosion resistant 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, diversion, berms, terraces and sediment barriers.

3. Loose material shall be removed from the area.

Mulching Materials

Mulching materials listed 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" providing complete and coverage. One advantage of this material is easy application.

2. Wood waste chips, shavings or bark shall be applied at a depth of 2" to 4". Organic material from the clearing stage of development shall 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 erodible soil material to 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 other shall be applied uniformly by hand or by mechanical equipment.

2. If the area will eventually be covered with permanent vegetation, 25-30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.

3. Apply polyethylene film to exposed areas.

Anchor Mulch

1. Show or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "pucker disk." Disks may be smooth or serrated and should be 20" or more in diameter and 8" to 12" apart. The edges of the disk should be dull enough to not cut the mulch but to press it into the underlying mulch if an erodible surface. Show or hay mulch shall be anchored immediately after application.

2. The mulch must be secured with special double equipment may be employed. Tacklers, binders and hydraulic mulch with barker specifically designed for backing straw can be substituted for emulated asphalt. Please refer to specification **Tac-Tacklers**.

3. Plastic cover or rebury with more than 1" to 2" of mulch is called according to manufacturer's specifications.

4. Netting of the appropriate size shall be used to anchor wood waste chips. Netting of the netting shall be larger than the average size of the wood waste chips.

5. Polyethylene film shall be anchored to the top as well as to the bottom as necessary.

DS2

GSWCC 2016 Edition

REQUIREMENT FOR REGULATORY COMPLIANCE

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Temporary grassing, instead of mulch, can be applied to rough graded areas that will be exposed for less than 6 months. If an area is expected to be undisturbed for longer than 6 months, permanent personal vegetation shall be used. If temporary planting conditions for temporary grassing is lacking, mulch can be used as a singular erosion control device for up to 6 months but it shall be applied at the appropriate depth, anchored, and have a continuous 90% cover or greater of the soil surface. Refer to specification **Ds1-Disturbed Area Stabilization (With Temporary Seeding)**.

SPECIFICATIONS

Temporary vegetation measures shall be coordinated with permanent measures to ensure continuous and effective stabilization. Most types of temporary vegetation are used as companion crops until the permanent vegetation is established. Note: Some species of temporary vegetation are not appropriate for companion crop plantings because of their potential to out-compete the desired species (e.g. annual ryegrass).

Control NRCS or the local SWCD for more information.

Grading and Shaping

Excessive water runoff shall be reduced by properly designed and installed erosion control practices such as diked drains, ditches, dikes, diversion, sediment basins and others. No sloping or grading is required if slopes can be stabilized by hand-seeded vegetation or if hydraulic seeding equipment is to be used.

Seed Preparation

When hydraulic seeding is used, seedbed preparation is not required. When conventional or hand-seeding stabilization preparation is not required the soil material a loose and not sealed by tilling. Soil will have been sealed by rainfall or consists of smooth or chisel, the soil shall be plowed, trenched or otherwise sealed to provide a place for seed to begin and germinate.

Lime and Fertilizer

Agricultural lime is required unless soils indicate otherwise. Apply agricultural lime at a rate determined by soil test for pH. Quick action lime should be incorporated by hand or during the germination period. Soil stimulants shall also be considered when there is less than 2% organic matter in the soil. Gradual areas require lime application. Soil must be tested to determine required amount of fertilizer and amendments. Fertilizer should be applied before land preparation and incorporated with a disk, roller, or chisel. On slopes too steep for a machine to operate, fertilizer shall be hydraulically applied, preferably in the first pass with seed and some hydraulic mulch. Then topped with the remaining required application.

Seeding

Select a grass or grass-legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, machine, or air. Air-seeder-seeder or hydraulic seeder (air) including seed and fertilizer. Drill or catpaw seeder shall be used. Seed shall be applied at a rate of 10 to 15 lbs. per acre. Appropriate depth of planting is two times the seed diameter. Soil shall be "raked" lightly to cover seed with soil seeded by hand. See Table 6-4.1 Temporary Cover or Companion Crops.

Mulching

Temporary vegetation can, in most cases, be established without the use of mulch provided there is little to no erosion potential. However, the use of mulch can anchor seedlings and erosion prevention. Mulch without seeding shall be considered for short term protection. Refer to **Ds1-Disturbed Area Stabilization (With Mulching Only)**.

Drainage

During times of drought, water shall be applied at a rate not causing runoff and erosion. The soil shall be thoroughly wetted to a depth that will insure germination of the seed. Subsequent applications shall be made when needed.

DS2

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SPECIES		BROADCAST RATES		PLANTING DATES BY RESOURCE AREA		REMARKS	
BARLEY		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	J F M A M J J A S O N D			
Hordeum vulgare		144 lbs.	3.3 lbs.	M-L		14,000 seed per pound. Winter hardy. Use on productive soils.	
in mixture		1/2 bu. (24 lbs.)	0.6 lb.	P			
LESPEDeza		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	J F M A M J J A S O N D			
ANNUAL		40 lbs.	0.9 lb.	M-L		20,000 seed per pound. May volunteer for several years. Use inoculant, etc.	
in mixture		10 lbs.	0.2 lb.	P			
LOVEGRASS, WEEPING		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	J F M A M J J A S O N D			
Eragrostis ciliaris		4 lbs.	0.1 lb.	M-L		15,000 seed per pound. May last for several years.	
in mixture		2 lbs.	0.05 lb.	P			
MILLET BROWNTOP		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	J F M A M J J A S O N D			
Panicum brevirostre		40 lbs.	0.9 lb.	M-L		13,000 seed per pound. May provide excessive cover in mixture if seeded at high rate.	
in mixture		10 lbs.	0.2 lb.	P			
MILLET PEARL		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	J F M A M J J A S O N D			
Pennisetum glaucum		50 lbs.	1.1 lbs.	M-L		88,000 seed per pound. Quick cover. May reach 7' in height. Not recommended for mixtures.	
in mixture		10 lbs.	0.2 lb.	P			
OATS		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	J F M A M J J A S O N D			
Avena sativa		120 lbs.	2.9 lbs.	M-L		13,000 seed per pound. Use on productive soils.	
in mixture		1/2 bu. (24 lbs.)	0.7 lb.	P		Not as winter hardy as rye or barley.	
RYE		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	J F M A M J J A S O N D			
Secale cereale		3 bu. (160 lbs.)	3.9 lbs.	M-L		19,000 seed per pound. Quick cover. Drought tolerant and winter hardy.	
in mixture		1/2 bu. (24 lbs.)	0.6 lb.	P			
RYEGRASS, ANNUAL		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	J F M A M J J A S O N D			
Lolium temulentum		40 lbs.	0.9 lb.	M-L		22,000 seed per pound. Dense cover. Very competitive and is not to be used in mixtures.	
in mixture		10 lbs.	0.2 lb.	P			
SIDINGRASS		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	J F M A M J J A S O N D			
Sorghum sudanense		60 lbs.	1.4 lbs.	M-L		55,000 seed per pound. Good on dry, sloping sites. Not recommended for mixtures.	
in mixture		10 lbs.	0.2 lb.	P			
TRITICALE		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	J F M A M J J A S O N D			
Triticoseal		3 bu. (160 lbs.)	3.9 lbs.	M-L		Use on lower part of Southern Coastal Plain and in Atlantic Coastal Flatwoods only.	
in mixture		1/2 bu. (24 lbs.)	0.6 lb.	P			
WHEAT		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	J F M A M J J A S O N D			
Triticum aestivum		3 bu. (160 lbs.)	4.1 lbs.	M-L		15,000 seed per pound. Water hardy.	
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DS3

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3. Plastic cover or rebury with more than 1" to 2" of mulch is called according to manufacturer's specifications.

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