

DESCRIPTION

PRO	JECT#		2019-191
PRO	JECT MANA	GER	AC
Li	aGRANGI	E THI	READ PHASE 7

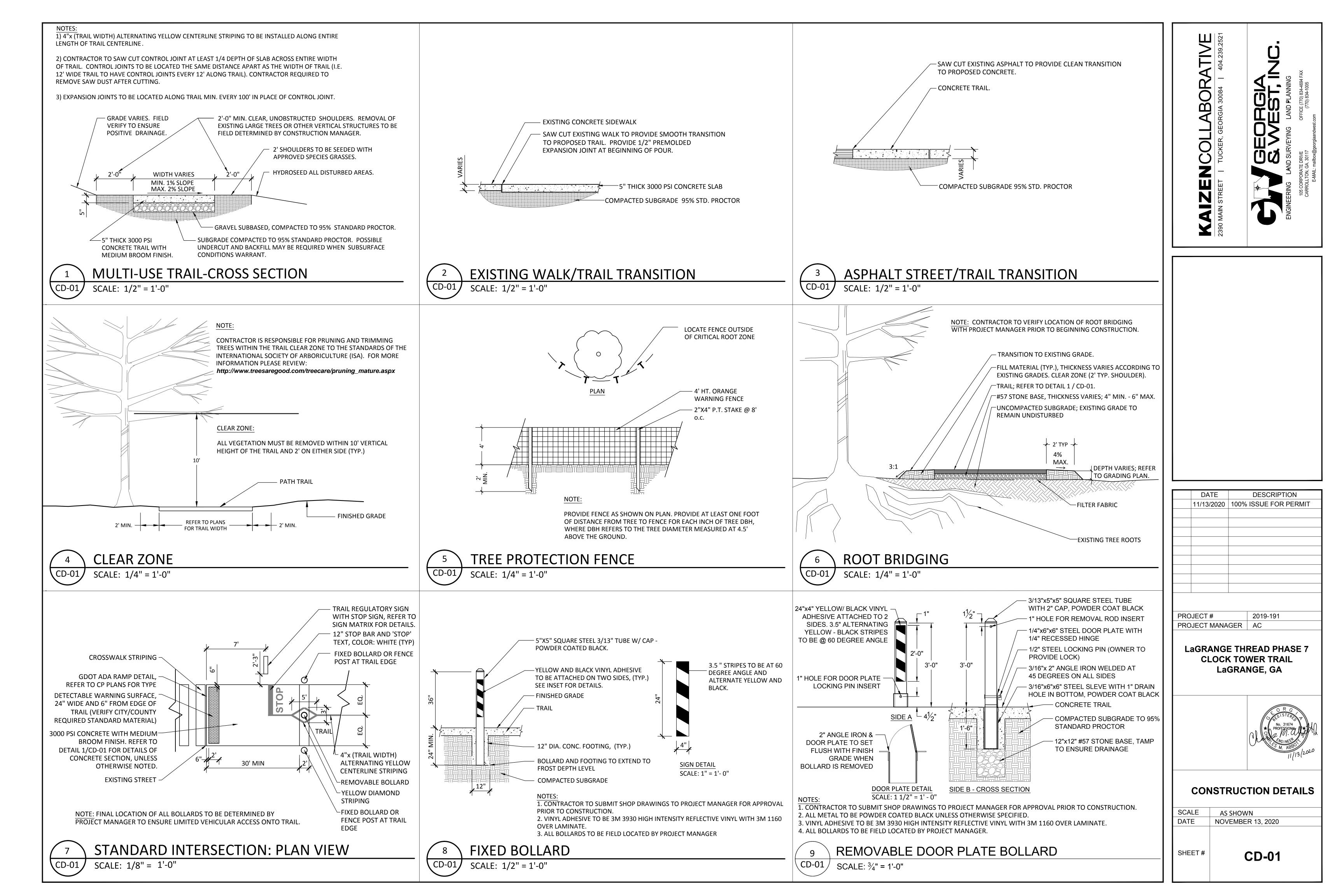
LaGRANGE, GA

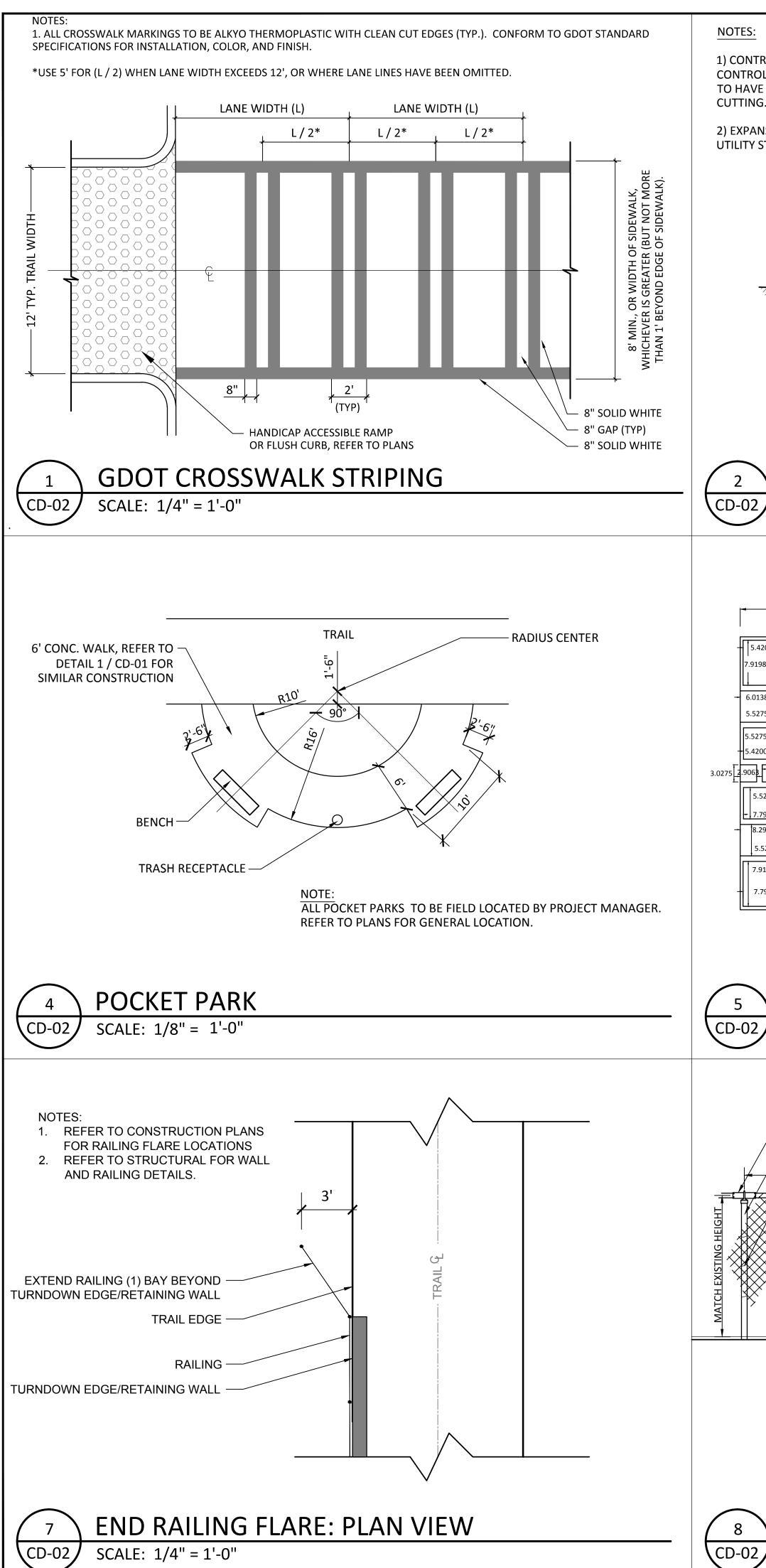


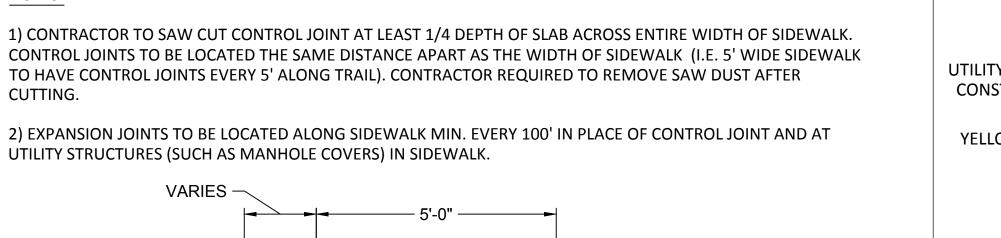


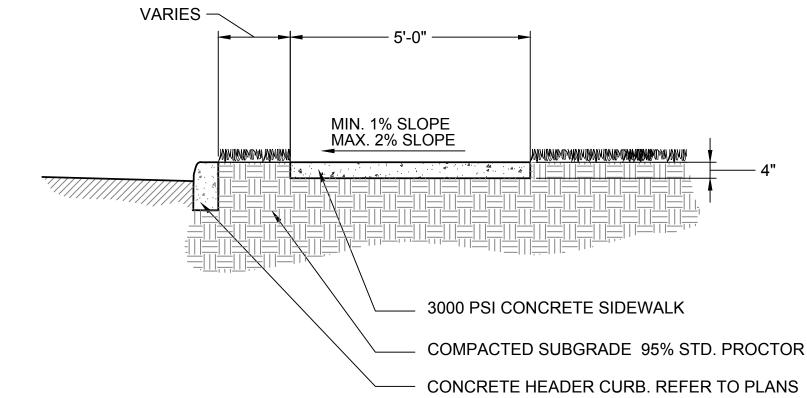
CONSTRUCTION PLAN

	SCALE	1" = 30' - 0"
	DATE	NOVEMBER 13, 2020
20	SHEET#	CP-02

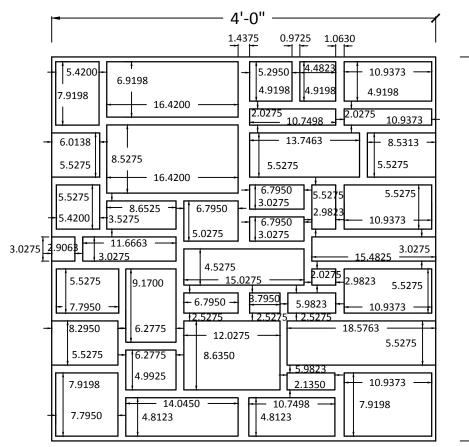








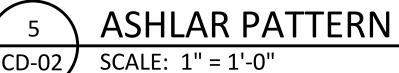


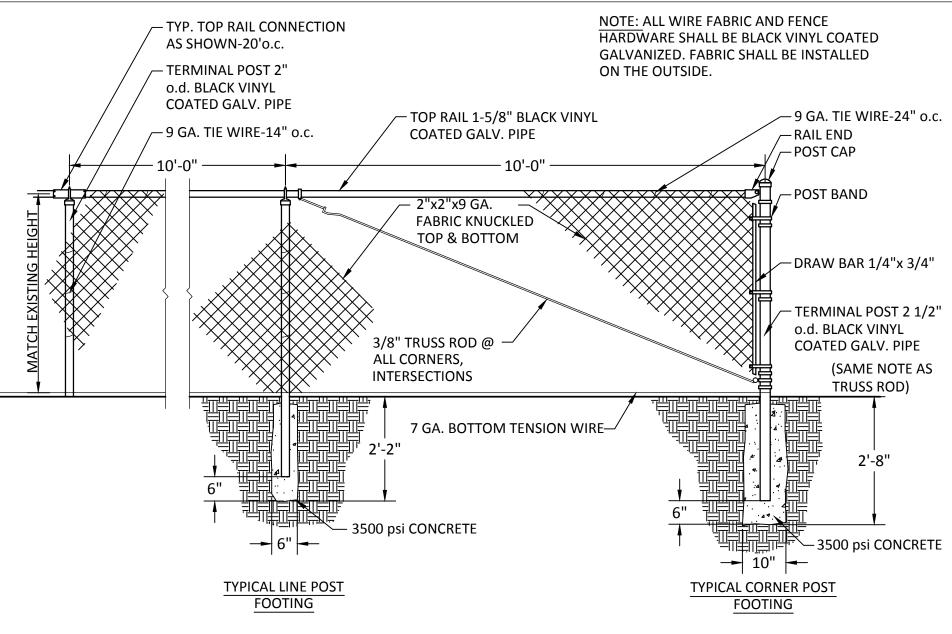


1.THE MORTAR JOINTS ARE ALL AT SAME DEPTH, APPROX. 1-1/4" FROM CENTER OF TIE HOLE.

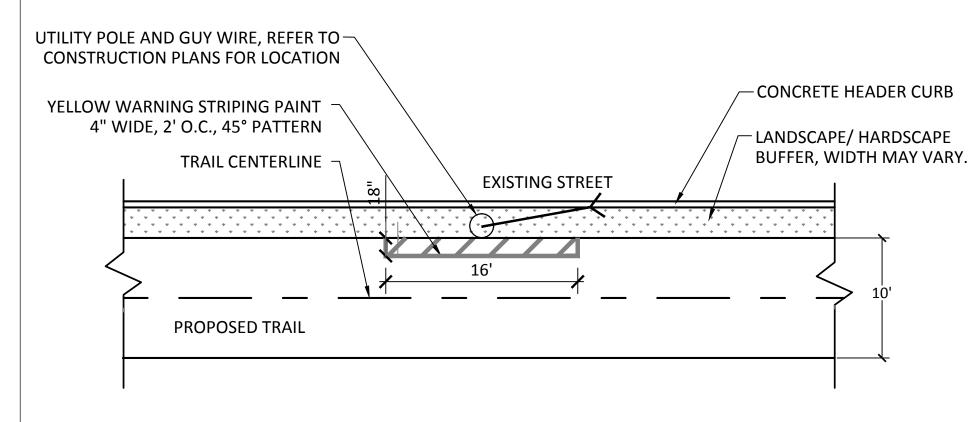
2. WHERE STONE HITS MORTAR JOINT VARIES DUE TO RANDOM TEXTURE. STONE CAN PROTRUDE OUT FROM MORTAR JOINT ANYWHERE FROM APPROX. 1/8" TO 1/2".

3. THE WIDTHS OF MORTAR JOINTS VARY BETWEEN 1-7/16", 1-3/16", 1-1/16", AND 31/32".





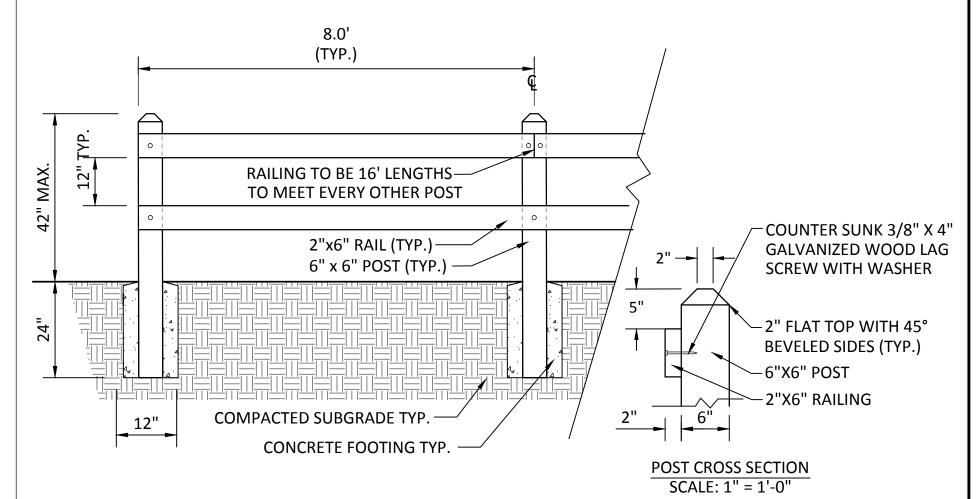
SCALE: 1/2" = 1'-0"



NOTE:

- 1. ATTACH MUTCD SIGN OM-3L / OM-3R TO OBSTACLE, ONE ON EACH SIDE.
- 2. PROVIDE AT LEAST 18" OF DISTANCE FROM EDGE OF EXISTING UTILITY POLE TO EDGE OF STRIPING.



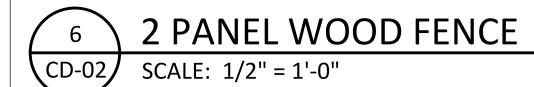


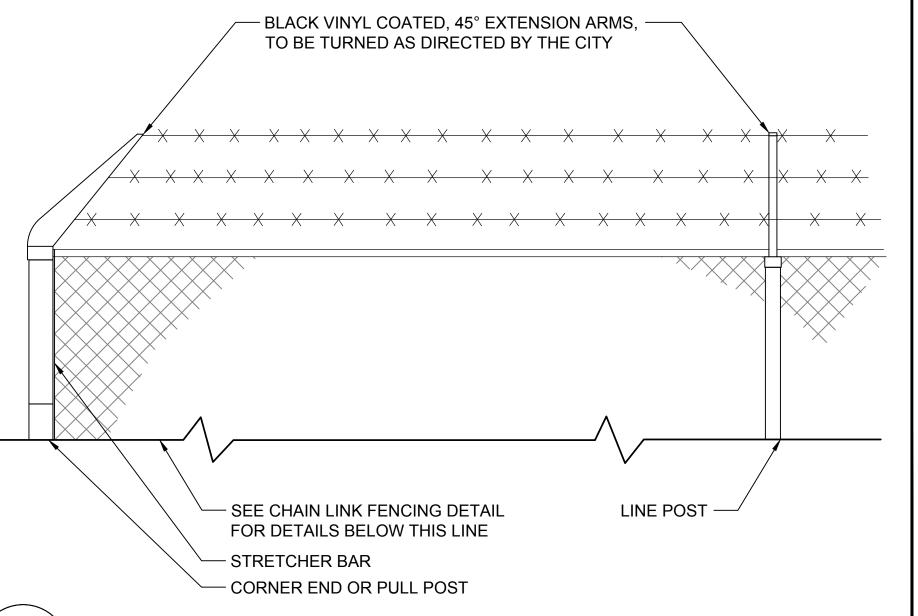
NOTES:

1. FENCE TO BE CONSTRUCTED WITH PRESSURE TREATED WOOD.

2. RAILING TO MEET FLUSH WITH OUTSIDE EDGE OF LAST POST.

3. REFER TO CONSTRUCTION PLANS FOR FENCE LOCATIONS.

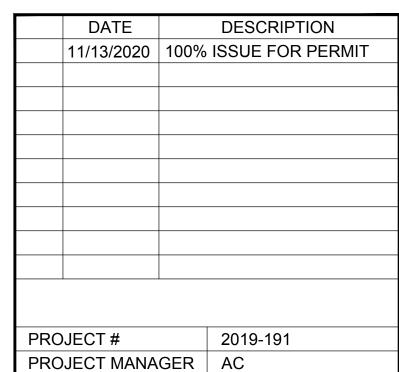




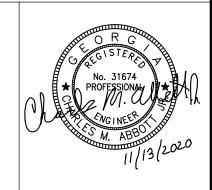
BARBED WIRE WITH EXTENSION ARMS

 $\CD-02$ SCALE: $\frac{3}{4}$ " = 1'-0"





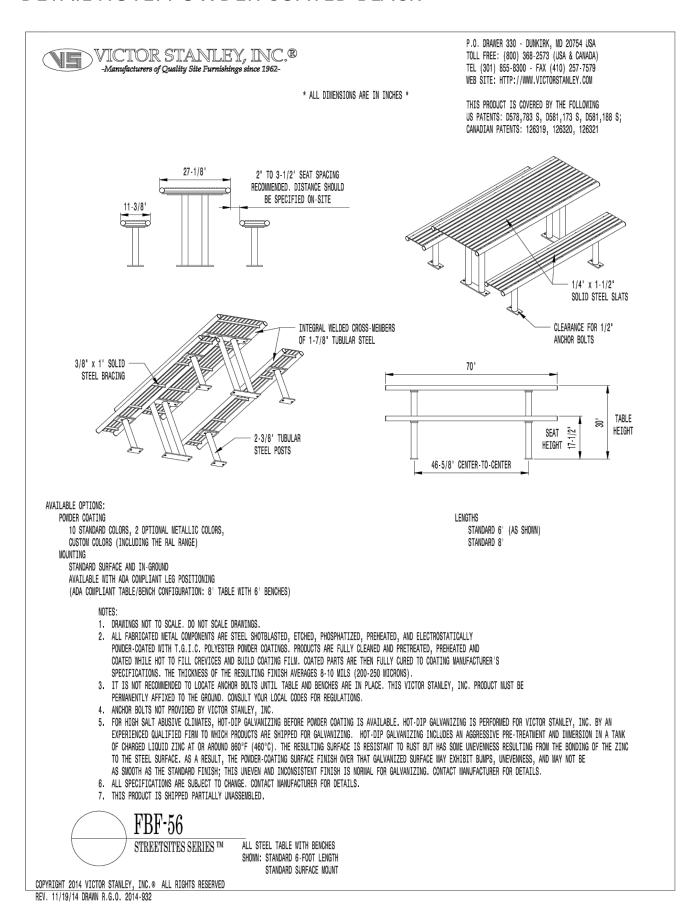
Lagrange thread phase 7 CLOCK TOWER TRAIL Lagrange, ga



CONSTRUCTION DETAILS

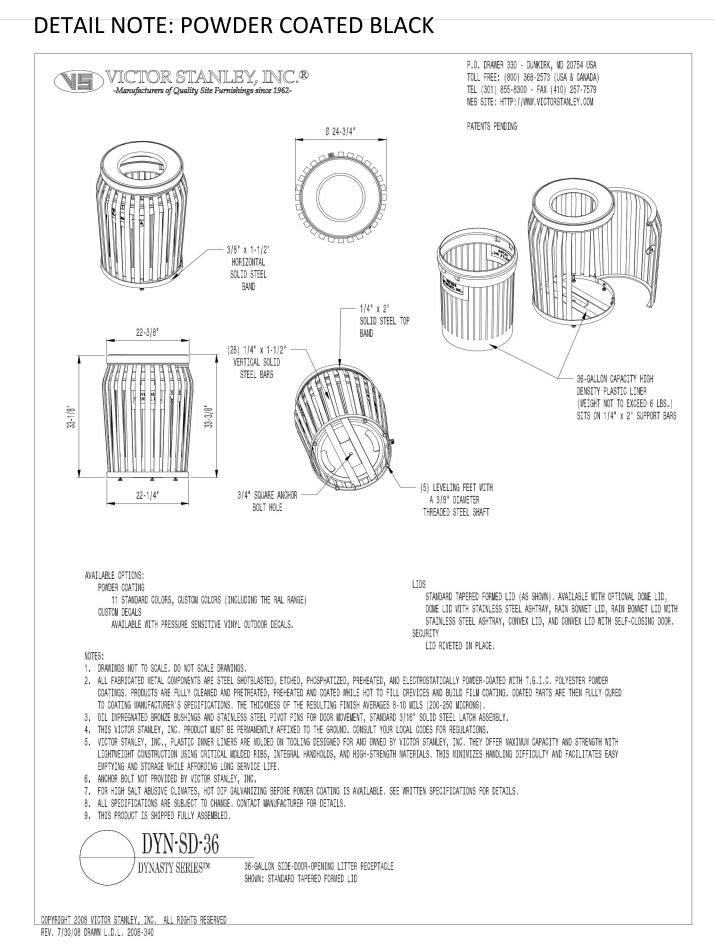
SCALE	AS SHOWN
DATE	NOVEMBER 13, 2020
SHEET#	CD-02

DETAIL NOTE: POWDER COATED BLACK

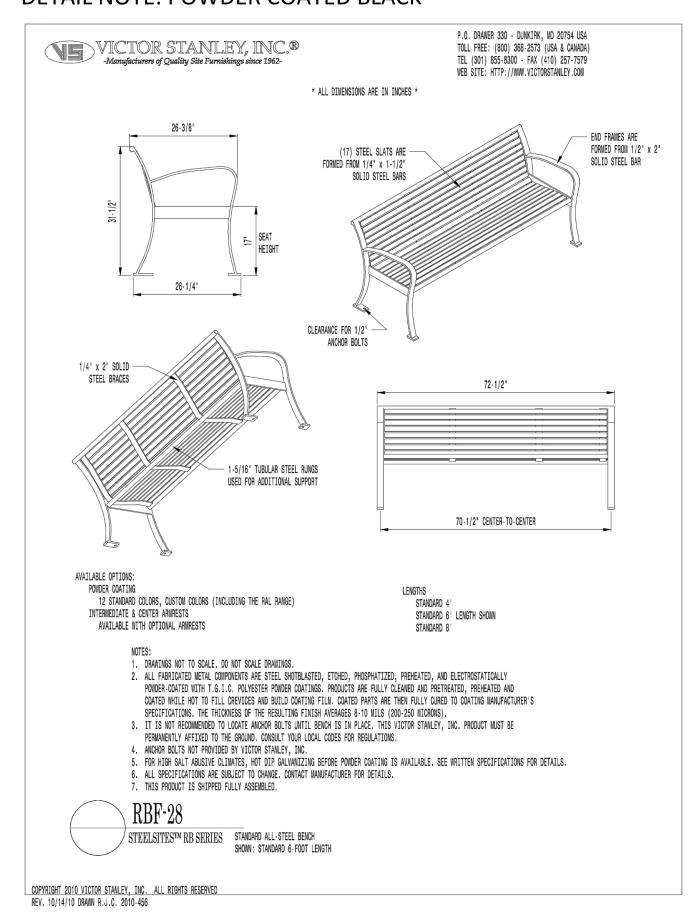


PICNIC TABLE DETAIL

TRASH RECEPTACLE DETAIL



DETAIL NOTE: POWDER COATED BLACK



BENCH DETAIL

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SB2900/SB2985

SB2900 Strike Bracket Compatible with LockeyUSA 2900, 2950 Mounting hardware included: Strike Bracket, 3" U-Bolt, 3/8" Spin Lock Nut, 1" Self-Tapping Screw, 3/8" x 3/4" Bolt



Strike Bracket Compatible with LockeyUSA 2930, 2985 Mounting hardware included: Strike Bracket, Strike Plate, Strike Plate Adapter, 3" U-Bolt, Latch Cover, Phillips Screw, 3/8" Spin Lock Nut, 1" Self-Tapping Screw, 3/8" x 3/4" Bolt

DIMENSIONS & SPECIFICATIONS Dimensions on gate: Width: 4 7/8" Post Size: Up to 3" Material: 1/4 HRPO, 14 GA HRPO SB2985 Strike Plate Material: Stainless Steel with Mounting Screws

ORDERING INFORMATION

For Exterior & Interior Use Weather Resistant

Compatible With: 2900, 2950 2930, 2985

www.LockeyUSA.com/product/sb2900

SB2900

SB2985

GB2900 LINX CHAINLINK GATE BOX

Lockey GB2900-LINX Chainlink Gate Box for 2900, 2930, 2945, 2950, and 2985 Series Locks allows No Weld Mounting for Chainlink Gates

> Fits a 1 5/8" or 1 7/8" Rail Only. It is nessesary to cut a slot into the Gate Rail Made From Stainless Steel Box Size: 7" X 2" X 2" Lock Sold Separately

Manufacturer: Lockey Systems Manufacturer Part No: GB2900-LINX

www.LockeyUSA.com/2985



GATE LOCK FOR CHAIN LINK FENCE - 3 PRODUCTS

CONSTRUCTION DETAILS AS SHOWN DATE NOVEMBER 13, 2020 SHEET# **CD-03**

DESCRIPTION

2019-191

Lagrange thread phase 7

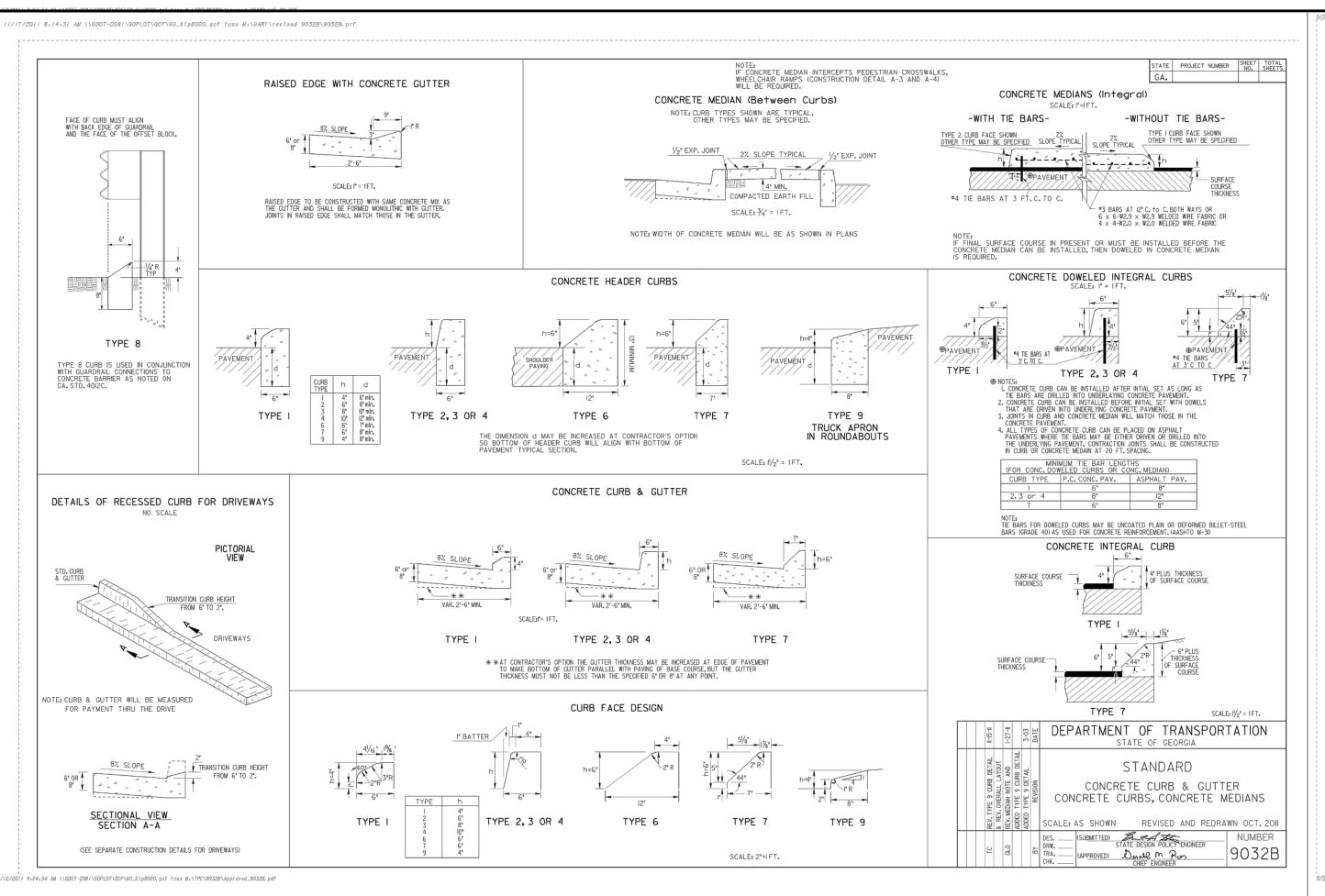
CLOCK TOWER TRAIL

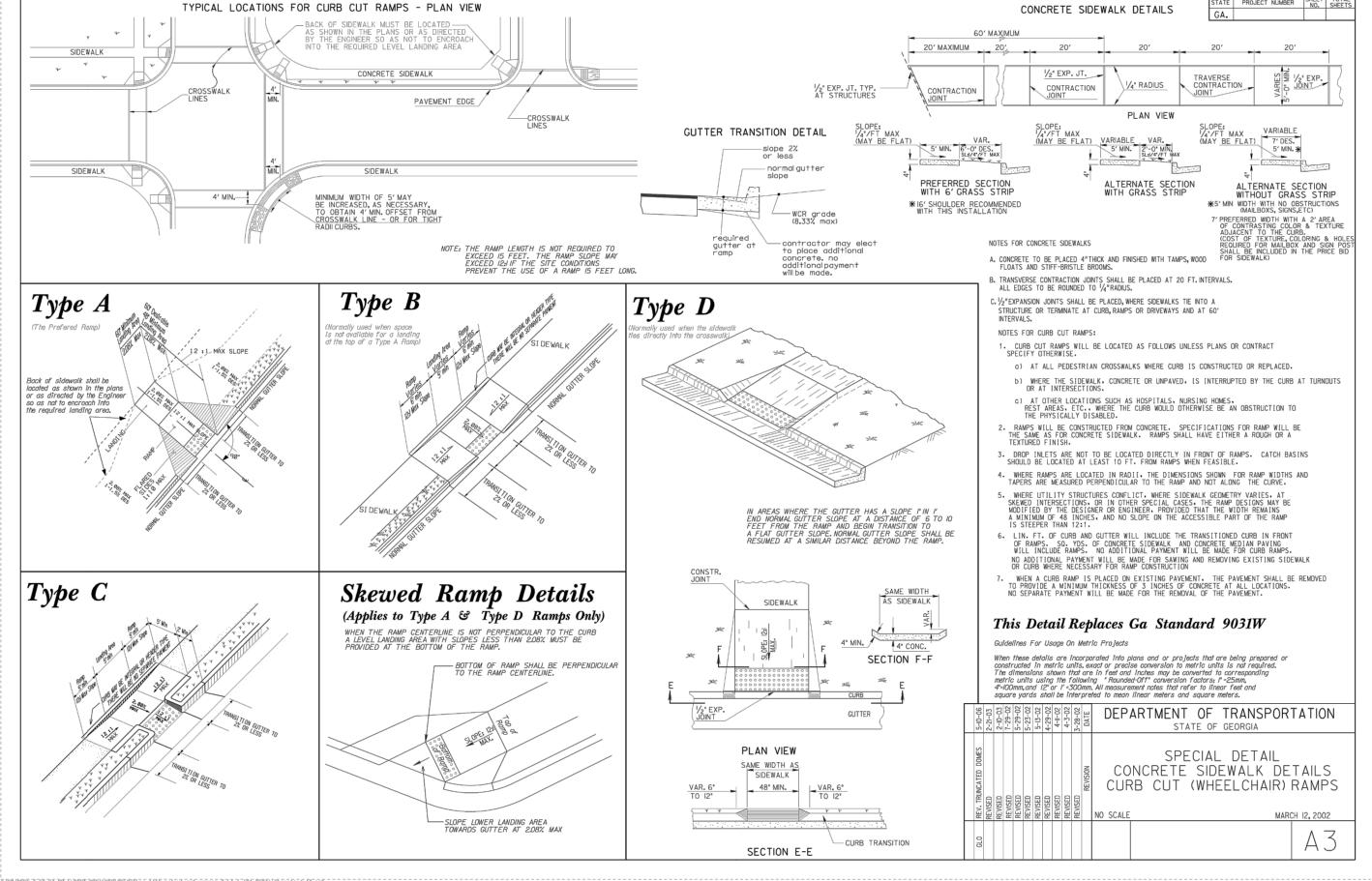
LaGRANGE, GA

11/13/2020 | 100% ISSUE FOR PERMIT

PROJECT#

PROJECT MANAGER | AC



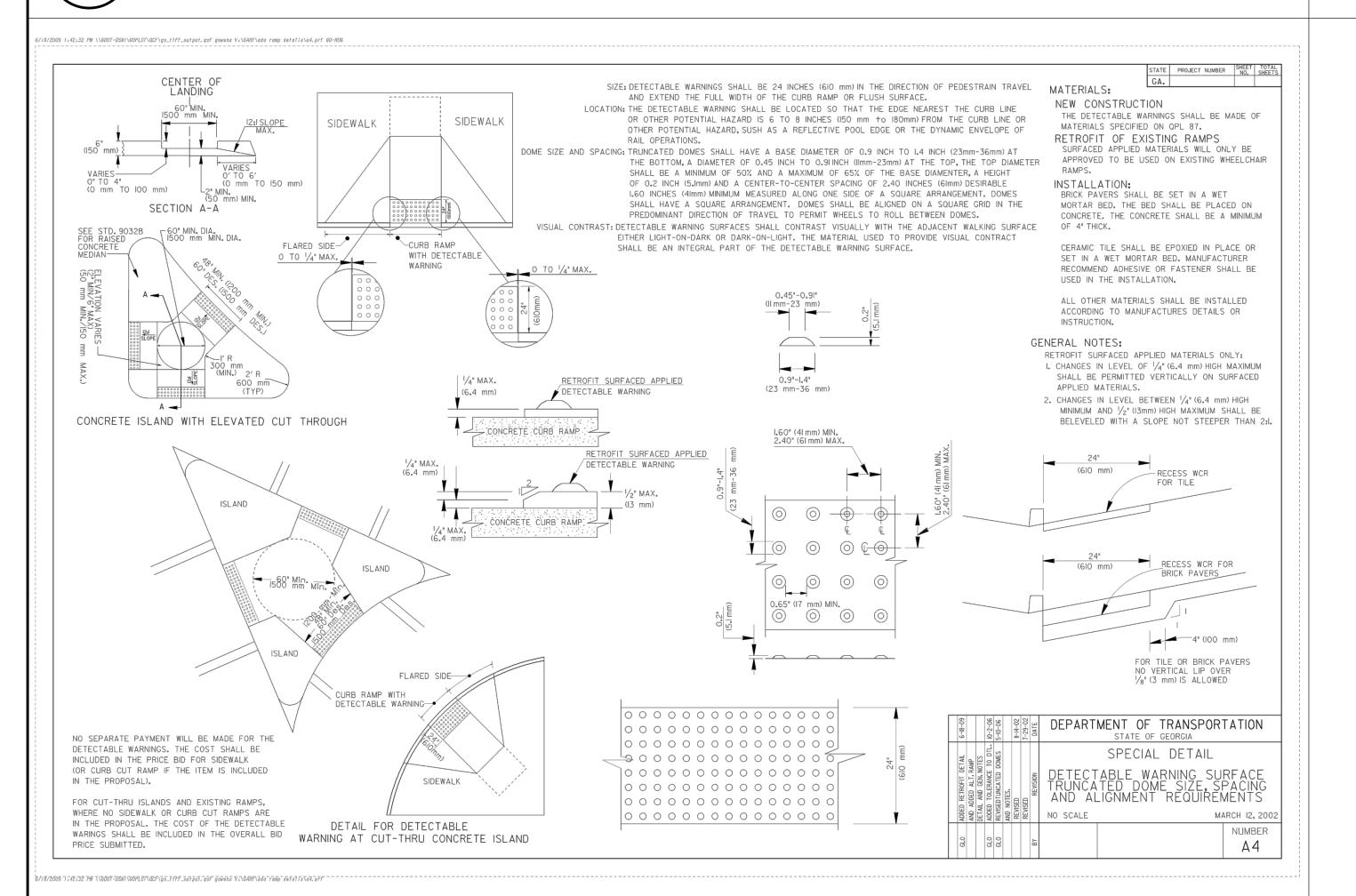


GDOT STD. CURB DETAIL

CD-04 N.T.S.

CD-04

N.T.S.



GDOT DETECTABLE WARNING SURFACE

2 GDOT ADA RAMPS
CD-04 N.T.S.

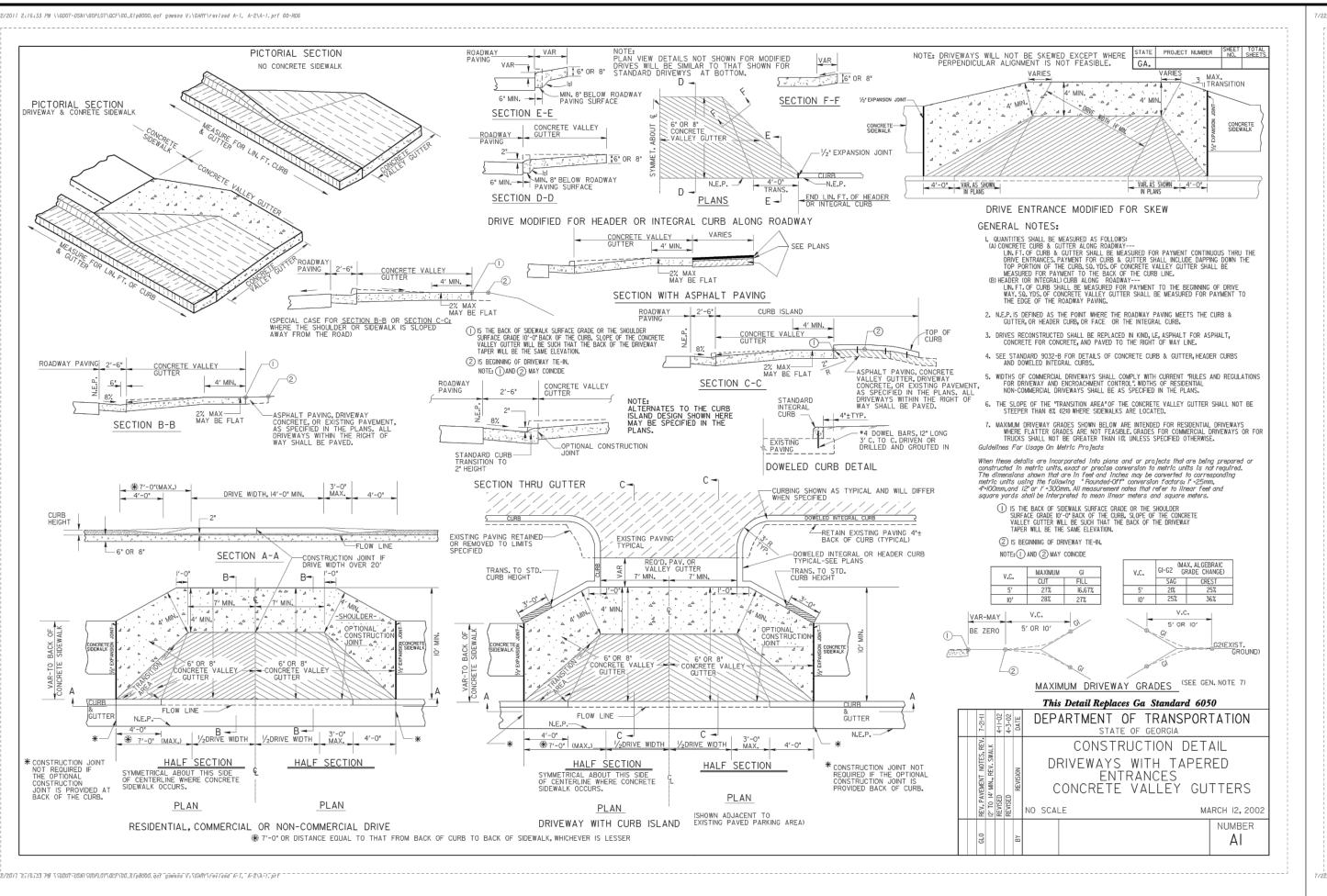
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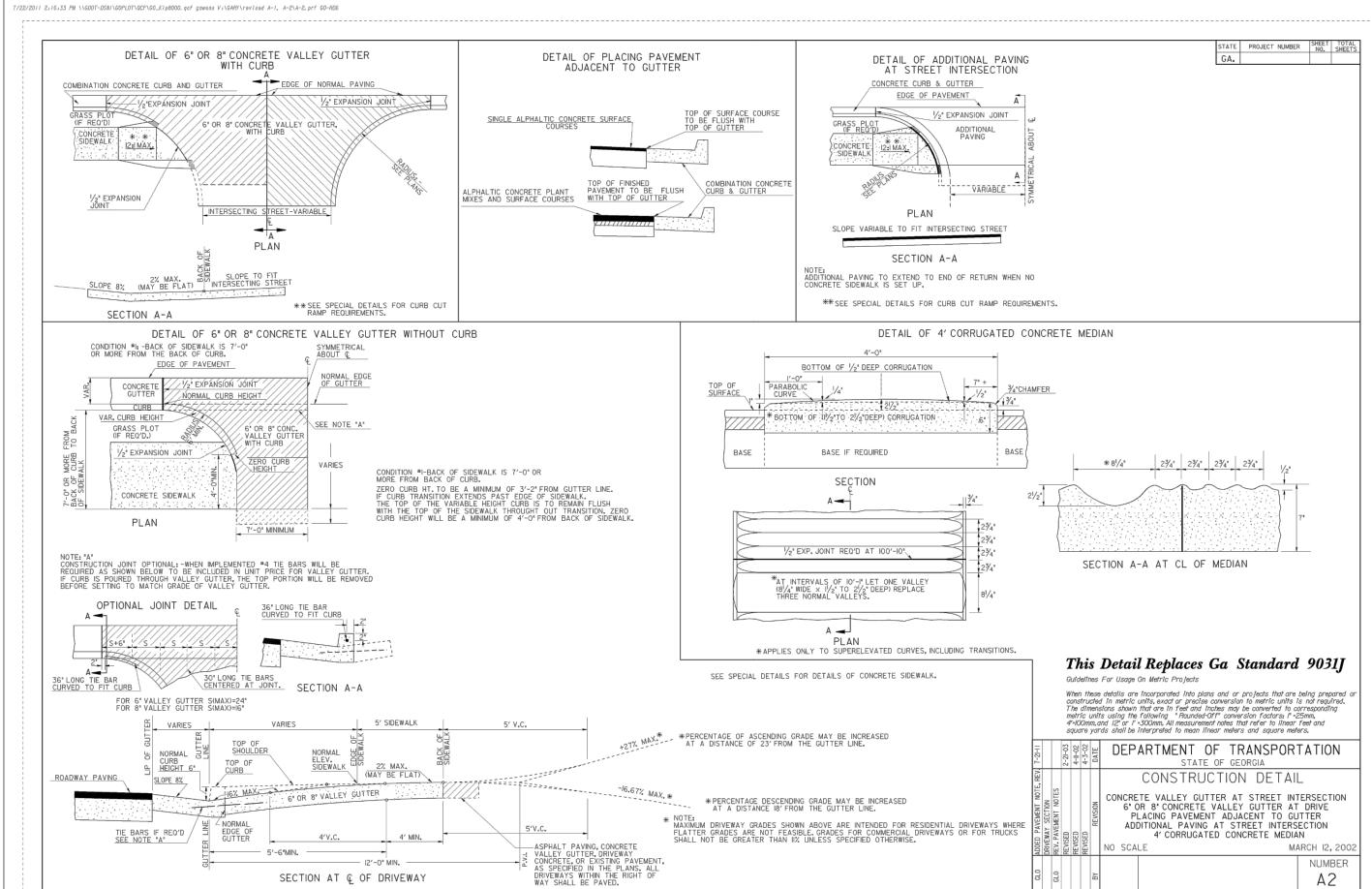


NOVEMBER 13, 2020

CD-04

SHEET#





N.T.S

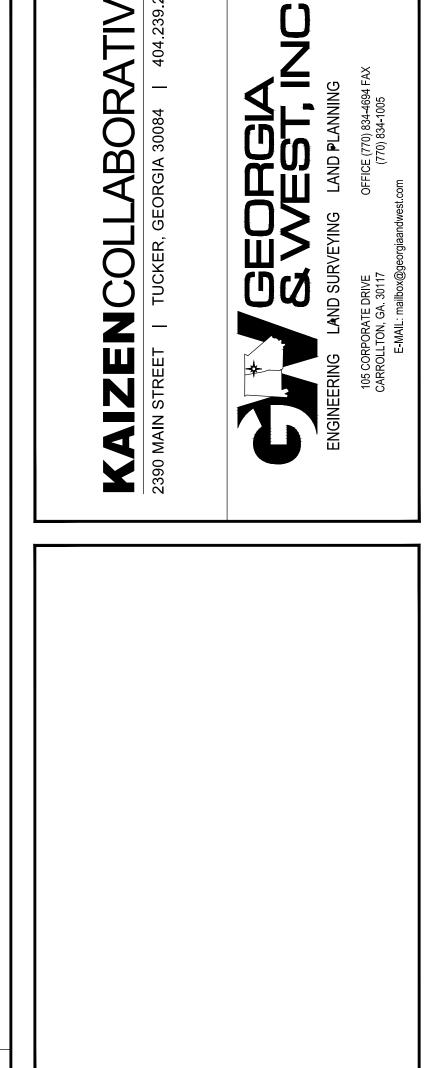
GDOT A1 DRIVEWAY DETAIL

CD-05

GDOT A2 CONCRETE VALLEY DETAIL

N.T.S

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	DATE		DESCRIPTION	
	11/13/2020	100%	ISSUE FOR PERMIT	
PRC	JECT#		2019-191	
PRC	JECT MANA	GER	AC	
	aGPANGI	Е ТИІ	READ PHASE 7	
			WER TRAIL	
	_			
	La	GRA	NGE, GA	
	OP			
1	G EGISTER.		OR G	
I	16 P	7	No. 31674	١.
*	No. 034591 PRØFESSIONAL	 *	No. 316/4 PROFESSIONAL	1
1	VIGNEER		ENGINEES .	•
	OHN D BASS		11/13/202	0
			11/13(200	
	CONST		TION DETAILS	•
	CONSII	700	TION DETAILS)

AS SHOWN

SHEET#

NOVEMBER 13, 2020

CD-05

EROSION CONTROL NOTES: 9. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GRATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY 1. EROSION CONTROL DEVICES WILL BE PROPERLY INSTALLED, PRIOR TO SITE DISTURBANCE, AND MAINTAINED IN GOOD WORKING CONDITION UNTIL COMPLETION OF THE PROJECT. 10. NON-COMPLIANT SITES CAN BE FINED UP TO \$2,500.00 DOLLARS 2. ALL DISTURBED AREAS TO BE ESTABLISHED TO SUITABLE PERENNIAL PER DAY, PER VIOLATION AS SET OUT BY THE EROSION AND VEGETATION, ACCORDING TO USDA SOIL CONSERVATION SERVICE OR SEDIMENT CONTROL ACT. THE GEORGIA WATER QUALITY CONTROL GEORGIA EXTENSION SERVICE SPECIFICATIONS, IMMEDIATELY AFTER FINAL ACT PROVIDES FOR FINES UP TO \$50,000.00 DOLLARS PER DAY, PER VIOLATION!! 3. STREETS, SANITARY SEWERS, AND STORM SEWERS WILL BE 11. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 OR 50-INSTALLED AND BARE AREAS STABILIZED BEFORE OTHER AREAS ARE FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES 4. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. AND PERMITS. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT 12. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. 13. THE PRIMARY PERMITTEE MUST RETAIN THE DESIGN PROFESSIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE WHO PREPARED THE EROSION, SEDIMENTATION AND POLLUTION IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE. CONTROL PLAN, EXCEPT WHEN THE PRIMARY PERMITTEE HAS 5. EVERY EFFORT SHOULD BE MADE TO CONSERVE AND PROTECT REQUESTED IN WRITING AND THE EPD HAS AGREED TO AN ALTERNATE DESIGN PROFESSIONAL, TO INSPECT THE INSTALLATION 6. SEDIMENT BARRIERS WILL BE PLACE AT THE TOE OF ALL CUT AND FILL OF THE CONTROL MEASURES (BMP's) WHICH THE DESIGN SLOPES AND AROUND ALL DROP INLETS; ALSO BELOW ALL LOT DISTURBANCES WHERE EROSIVE RUN-OFF MIGHT LEAVE THE SITE. 7. ALL PIPE OUTLETS ARE TO BE COVERED WITH #50 RIPRAP FOR A 14. ANY AMENDMENTS/REVISIONS TO THE ES&PC PLAN WHICH HAVE A MINIMUM DISTANCE OF SIX (6) TIMES THE DIAMETER OF THE PIPE. SEE SIGNIFICANT EFFECT ON BMP's WITH A HYDRAULIC COMPONENT OUTLET PROTECTION TABLE FOR DIMENSIONS OF RIPRAP FOR INDIVIDUAL MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL 8. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL **MEASURES IS:** MEASURES AND PRACTICES PRIOR TO LAND-DISTURBING ACTIVITIES. PATH FOUNDATION ATTN: JONATHAN McCAIG TELEPHONE #: 404-433-1900 *EROSION CONTROL DATA & DETAILS ARE CONTINUED ON OTHER ASSOCIATED, AND FOLLOWING SHEETS. SEE COMPLETE SET OF CONSTRUCTION PLANS FOR REVIEW. THIS SITE IS LOCATED WITHIN 200' (FEET) OF STATE WATERS TOTAL SITE AREA 1.08 ACRES (TOTAL SITE AREA INCLUDES A WIDTH OF 25' ALONG THE CENTERLINE OF THE TRAIL FOR THE LENGTH OF THE PROJECT) DISTURBED AREA 1.5 ACRES 1. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING EROSION CONTROL BMP'S THROUGHOUT CONSTRUCTION. 2. FINAL STABILIZATION OF SITE SHALL BE COORDINATED WITH LANDSCAPE PLANS. FINAL STABILIZATION BMP'S SHOWN ON THIS PLAN MAY VARY FROM STABILIZATION PROPOSED IN LANDSCAPE PLAN. 3. CONTRACTOR TO REPAIR ALL DISTURBED SURFACES TO PRE-CONSTRUCTION CONDITIONS OR BETTER 4. ALL TEMPORARY EROSION CONTROL BMP'S (i.e. SEDIMENT BARRIER, INLET SEDIMENT TRAPS, CHECK DAMS, MULCH BERMS, FILTER SOCKS, ETC.) SHALL BE REMOVED FROM SITE UPON FINAL SITE STABILIZATION. 5. SEE MAINLINE PLAN SHEETS (CP SERIES) & STORM SEWER PROFILES (SP SERIES) FOR DETAILED STORM DRAINAGE AND PIPING INFORMATION. 6. ALL CONSTRUCTION ACCESS SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. 9. CONTRACTOR SHALL COORDINATE CONSTRUCTION EXIT LOCATIONS WITH PATH FOUNDATION PROJECT MANAGER AND CITY OF Lagrange PRIOR TO CONSTRUCTION. 10. Sd1-S & Sd1-NS SEDIMENT BARRIERS MAY BE EITHER SILT FENCE OR FILTER MEDIA SOCK AS PER DETAILS SHOWN ON SHEET ED-01. 11. DUE TO THE NATURE OF THIS CONSTRUCTION PROJECT, A DESIGNATED RE-FUELING SITE IS IMPRACTICAL. CONTRACTOR SHALL USE EXTRA CARE WHEN REFUELING EQUIPMENT. CONTRACTOR SHALL NOT RE-FUEL EQUIPMENT WITHIN 200 FEET OF STATE WATERS. ANY ADJACENT STORM SEWER SYSTEMS OR DITCHES SHALL BE PROTECTED FROM SPILLS. ANY SPILL MADE MUST BE CLEANED UP ACCORDING TO THE REQUIREMENTS PROVIDED IN THE EROSION, SEDIMENTATION, & POLLUTION CONTROL NOTES. EXIT STATING "WASH MUD FROM VEHICLES BEFORE ENTERING PUBLIC RIGHT OF WAY. **SOIL TYPE** CuC Т.В.М. ___ TOP F.H. OPERATING NUT-ELEV. 704.55 TOP F.H. OPERATING NUT ELEV. 704.55

OWNER/DEVELOPER (PRIMARY PERMITTEE)
CITY OF Lagrange

ATTN: MEG KELSEY

200 RIDLEY AVENUE

706-883-2016

LaGRANGE, GA 30240

mkelsey@lagrangega.org

LIMITS OF DISTURBANCE LICKSON BEVERAGES LLC. PROFESSIONAL DESIGNED WITHIN SEVEN (7) DAYS AFTER INSTALLATION. SEDIMENT BARRIER/J-HOOK -JOHNSON CATHERINE -ADAMS JAUNÍTÁ & SHARON 15. 24-HOUR CONTACT PERSON RESPONSIBLE FOR THE INSTALLATION D.B. 467 PG. 334 D.B. 379\PG. 108 AND MAINTENANCE OF EROSION CONTROL DEVICES AND SEDIMENT BARRIER J-HOOK -**SOIL TYPE** SEDIMENT BARRIER IS -**SOIL TYPE** LIMITS OF CONSTRUCTION \ SEDIMENT BARRIER J-HOOK-RK St #1— RIPRAP GADOT TYPE 3 EQUIVALENT RIVER ROCK POUBLE ROW/ CKSON BEVERAGES LLC. 18" FILTER SOCK SIDEWALK 18" FILTER SOCK CHURCH UNITY BAPTIS GADOT TYPE 3 D.B. 1197 PG. 861 **EQUIVALENT** RIVER ROCK ___ INV. 704.57 **SOIL TYPE** 18" FILTER SOCK SEDIMENT BARRIER IS -LIMITS OF CONSTRUCTION TRANSMITTER POLE TREE TO BE REMOVED "X" (TYP) DOUBLE ROW 18" FILTER SOCK PORTION OF THIS PHASE ■18" FILTER SOCK 12+00 St #3 -RIPRAP GADOT TYPE 3 TO BE CONSTRUCTED WITH PHASE 7B - CLOCK TOWER ALL VEHICLES SHALL BE WASHED FREE FROM MUD VIA EQUIPMENT PROVIDED BY THE CONTRACTOR.
SIGNS SHALL BE ADJACENT TO THE CONSTRUCTION DOUBLE ROW RIVER ROCK BLUE GREEN PROPERTIES LLO 25' STATE WATERS BUFFER CHURCH UNITY BAPTIST D.B. 1197 PG. 861 HEDGE ROW APPROX. LOCATION OF CONC. WASHDOWN. CONTRACTOR TO DETERMINE EXACT LOCATION ON-SITE. (SEE DETAIL, SHEET ED-01) STA: 6613+87.4 NOTE: NO WORK SHALL BE PERFORMED WITHIN CSX R/W WITHOUT PRIOR APPROVAL FROM CSX DOBBS ELLEN W & MICHAEL **GADOT** D.B. 1813 PG. 569 **EQUIVALENT** RIVER ROCK MATCHLINE STA 14+75, SEE SHEET EC-03

THE F.I.R.M. PANEL 13285C0143E

THAT DIFFER FROM THOSE SHOWN.

INDICATES THIS PROPERTY OR A PORTION IS NOT LOCATED IN A

FLOOD HAZARD AREA. THE MAP INDICATES THAT NO STUDY WAS

ARE OUR INTERPRETATION OF THE FLOOD HAZARD AREA TAKING

AREAS AND FIRM PANELS. THERE MAY BE OTHER INTERPRETATIONS

MADE OF THESE AREAS. THE FLOOD HAZARD LINES, IF SHOWN,

INTO CONSIDERATION EXISTING TOPOGRAPHIC DATA, DRAINAGE

GRAPHIC SCALE

(IN FEET)

1 inch = 30 ft.

__DATE_<u>07/03/201</u>2

NCOLLABORATIVE

TUCKER, GEORGIA 30084 | 404.239.252

TUCKER, GEORGIA 30084 | 404.239.252

MEDDIA | 404.239.252

O1 CHERRY ST JOS ON THE ST JOS

		AC READ PHASE 7 WER TRAIL	, <u> </u>
RO	JECT#	2019 - 191	

DESCRIPTION



EROSION CONTROL PLAN

SCALE	1" = 30'
DATE	NOVEMBER 13, 2020
SHEET#	EC-02

RGIA811.

MATCHLINE STA 7+25, SEE SHEET EC-01

rotection Center, Inc.

Know what's below.

Call before you dig.

CONSTRUCTION MANAGEMENT

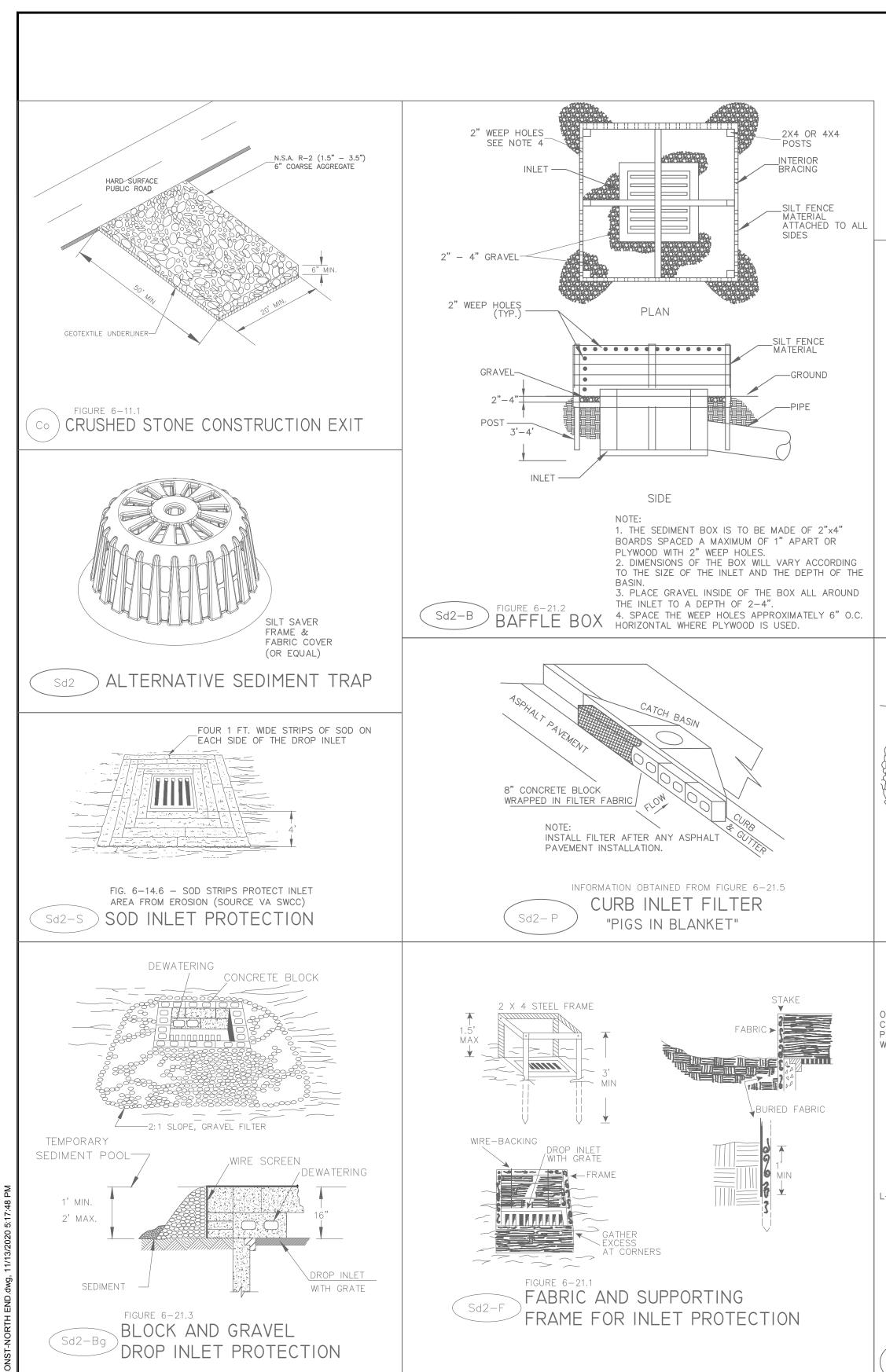
PATH FOUNDATION

JONATHAN McCAIG - 24 HOUR CONTACT

GA GSWCC LEVEL 1 CERTIFICATION # 58893

EXP. 08/17/2021

office 404-875-7284 x5 cell 404-433-1900



TEMPORARY

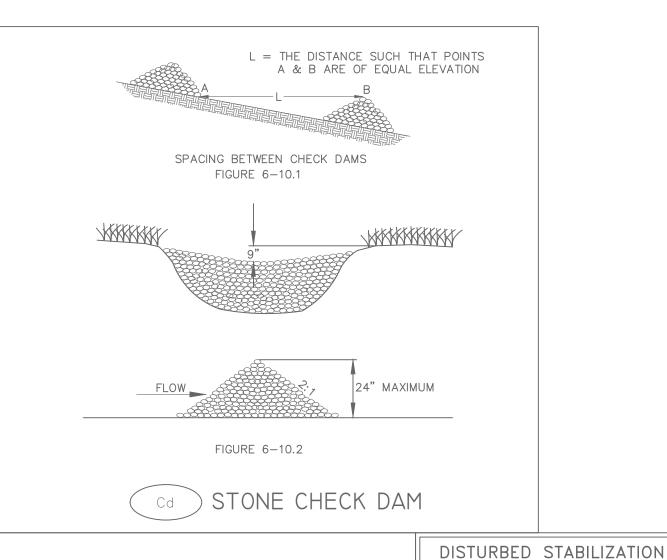
SEDIMENT POOL -

1' MIN.

FIGURE 6-21.4

GRAVEL DROP INLET

PROTECTION (GRAVEL DONUT)



PLANT RESIDUES OR OTHER SUITABLE MATERIALS, PROUDUCED ON THE SITE IF POSSIABLE, TO THE SOIL SURFACE. SELECT ONE OF THE FOLLOWING MATERIALS AND APPLY AT THE DEPTH

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. CLITBACK ASPHALT (SLOW CURING) SHALL BE APPLIED AT

3. CUTBACK ASPHALT (SLOW CURING) SHALL BE APPLIED AT 1200 GALLONS PER ACRE (OR 1/4 GALLON PER SQ.YD.).

4.POLYETHYLENE FILM SHALL BE SECURED OVER BANKS OR STOCKPILED SOIL MATERIAL FOR TEMPORARY PROTECTION. THIS MATERIAL CAN BE SALVAGED AND REUSED.

| RATE | DATES | FERTILIZER | RATE | 1000 S.F. | | 1-2 LBS | 5-15 TO 8-31 | 6-12-12 | 25-35 LBS |

2-3 LBS. 10-15 TO 2-15 6-12-12 25-35 LBS

1–2 LB. 3–15 TO 6–15 6–12–12 25–35 LBS. 2–3 LB. 10–01 TO 3–15 6–12–12 25–35 LBS.

90 LB. ANY TIME FOR TEMPORY COVER.

FERTILIZER RATE/ 1000 S.F.

TEMPORARY VEGATATIVE PLAN (DS2)

RATE/ 1000 S.F. DATES:

WEEPING LOVEGRASS & .2-.4- LB 3-1 TO 6-15 6-12-12 25-35 LBS.

NOTES:

1. ALL AREAS TO BE SEEDED SHALL HAVE LIME APPLIED AT THE RATE OF 90 LBS. PER 1000 S.F. LIME & FERTILIZER TO BE APPLIED PRIOR TO APPLICATION OF SEED AND MIXED THOROUGHLY WITH THE SOIL.

2. ALL AREAS SEEDED SHALL HAVE AN APPLICATION OF STRAW MULCH IMMEDIATELY AFTER APPLICATION OF SEED & FERTILIZER. APPROXIMATELY 2 TONS PER ACRE.

3. PERMANENT GRASSING OCT. — JUNE, ALL OTHER MONTHS USE TEMPORARY GRASSING & REPLANT.

4. USE TEMPORARY GRASSING IF INACTIVE DISTURBED AREA IS TO BE EXPOSED FOR MORE THAN 14 DAYS.

5. REFER TO TABLE 6—5.1,2,3,& 4 FOR COMPLETE VEGETATIVE CHARTS AND FERTILIZER REQUIREMENTS.

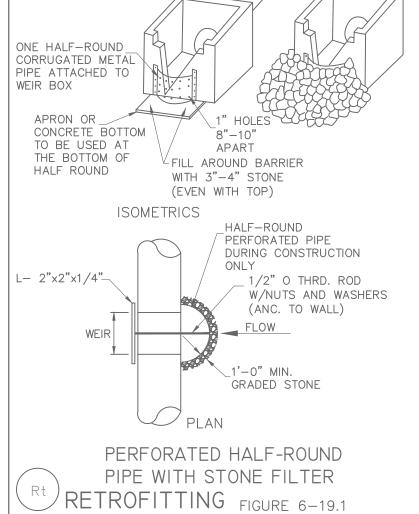
6. PERMANENT GRASSING FOR FINAL SITE STABILIZATION MUST ACHIEVE A DENSITY OF 70% OR GREATER OVER 100% OF THE DISTURBED AREA.

PERMANENT GRASSING PLAN

1-2 LB.

MINIMUM 8' - 10' 50# - 150# STONE RIP-RAP 12'-0" MIN.

FIGURE 6-15.1	
FIGURE 6-15.1 STONE FILTER RI	NO



FEXCAVATED CHANNEL

DISTANCE BETWEEN

DIVERSIONS (FEET)

COMPACTED EARTH RIDGE

ROAD GRADE

(PERCENT)

6'-12'

DIVERSION CHANNEL

DISTANCE BETWEEN

DIVERSIONS

ROAD GRADE

(PERCENT)

GEORGIA UNIFORM CODING SYSTEM

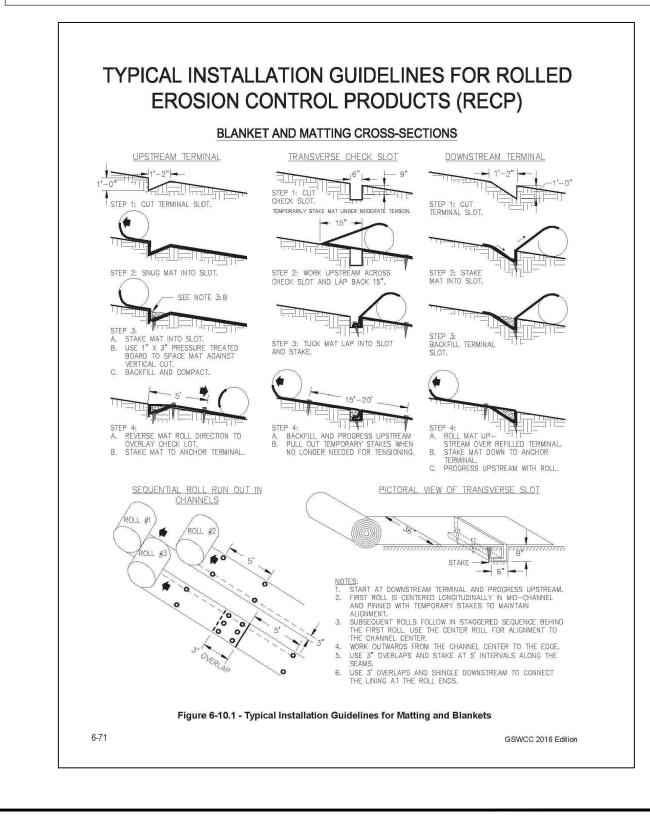
FOR SOIL EROSION AND SEDIMENT CONTROL PRACTICES

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

S1	TRUCTU	RAL F	PRACTICES		S1	RUCTU	RAL F	PRACTICES
PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION	CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
CHECKDAM		1	A small temporary barrier or dam constructed across a swale, drainage ditch or area of concentrated flow.	Sr	TEMPORARY STREAM CROSSING		Sr) (LABEL)	A temporary bridge or culvert—type structure protecting a stream or water from damage by crossing construction equipment.
CHANNEL STABILIZATION	90	T	Improving, constructing or stabilizing an open channel, existing stream, or ditch.	St	STORMDRAIN OUTLET PROTECTION		(SI)	A paved or short section of riprap cha at the outlet of a storm drain system preventing erosion from the concentrate runoff.
CONSTRUCTION EXIT		(LABEL)	A crushed stone pad located at the construction site exit to provide a place for removing mud from tires thereby protecting public streets.	Su	SURFACE ROUGHENING		⊢Su)−1	A rough soil surface with horizontal depressions on a contour or slopes left roughened condition after grading.
CONSTRUCTION ROAD STABILIZATION		Cr.	A travelway constructed as part of a construction plan including access roads, subdivision roads, parking areas and other on—site vehicle transportation routes.	Tc	TURBIDITY CURTAIN		Tc)	A floating or staked barrier installed with the water (it may also be referred to as floating boom, silt barrier, or silt curtain
STREAM DIVERSION CHANNEL		*	A temporary channel constructed to convey flow around a construction site while a permanent structure is being constructed.	Тр	TOPSOILING	Lancon Control of the	(SHOW STRIPING AND STORAGE AREAS)	The practice of stripping off the more f- soil, storing it, then spreading it over th disturbed area after completion of construction activities.
DIVERSION			An earth channel or dike located above, below, or across a slope to divert runoff. This may be a temporary or permanent structure.	Tr	TREE PROTECTION	\odot	(DENOTE TREE CENTERS)	To protect desirable trees from injury du construction activity.
TEMPORARY DOWNDRAIN STRUCTURE		Dn1 (LABEL)	A flexible conduit of heavy—duty fabric or other material designed to safely conduct surface runoff down a slope. This is temporary and inexpensive.	Wt	VEGETATED WATERWAY OR STORMWATER CONVEYANCE			Paved or vegetative water outlets for diversions, terraces, berms, dikes or simi structures.
PERMANENT DOWNDRAIN STRUCTURE		Dn2 (LABEL)	A paved chute, pipe, sectional conduit or similar material designed to safely conduct surface runoff down a slope.	_				
FILTER RING			A temporary stone barrier constructed at storm drain inlets and pond outlets.		\/	FGETAT	IVE P	RACTICES
	- \\	0	Rock filter baskets which are hand—placed		V	LOLIM		10.0011020
GABION			into position forming soil stabilizing structures.	CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
GRADE STABILIZATION STRUCTURE		(LABL)	Permanent structures installed to protect channels or waterways where otherwise the slope would be sufficient for the running water to form gullies.	Bf	BUFFER ZONE		B f	Strip of undisturbed original vegetation, enhanced or restored existing vegetation the reestablishment of vegetation surrou an area of disturbance or bordering stre

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Bf	BUFFER ZONE		Bf (LABEL)	Strip of undisturbed original vegetation, enhanced or restored existing vegetation or the reestablishment of vegetation surroundi an area of disturbance or bordering stream
Cs	COASTAL DUNE STABILIZATION (WITH VEGETATION)	jest to the state of the state	Cs	Planting vegetation on dunes that are denu artificially constructed, or re—nourished.
Ds1	DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)		Ds1	Establishing temporary protection for disturbed areas where seedlings may not had a suitable growing season to produce an erosion retarding cover.
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	Establishing a temporary vegetative cover with fast growing seedings on disturbed areas.
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)	11,1, G + G	Ds3	Establishing a permanent vegetative cover such as trees, shrubs, vines, grasses, or legumes on disturbed areas.
Ds4	DISTURBED AREA STABILIZATION (SODDING)		Ds4	A permanent vegetative cover using sods o highly erodable or critically eroded lands.
Du	DUST CONTROL ON DISTURBED AREAS		Du	Controlling surface and air movement of dust on construction site, roadways and similar sites.
FI-Co	FLOCCULANTS AND COAGULANTS		FI-Co	Substance formulated to assist in the solids/liquid separation of suspended particles in solution.
Sb	STREAMBANK STABILIZATION (USING PERM VEGETATION)		Sb	The use of readily available native plant materials to maintain and enhance streambanks, or to prevent, or restore and repair small streambank erosion problems.
Ss	SLOPE STABILIZATION		Ss	A protective covering used to prevent erosicand establish temporary or permanent vegetation on steep slopes, shore lines, or channels.
Tac	TACKIFIERS AND BINDERS		Tac	Substance used to anchor straw or hay mulch by causing the organic material to bind together.

GaSWCC (Amended - 2013)



installed across small streams or

A device or structure placed in front of a

the construction site. It may be sandbags

An impounding area created by excavatin

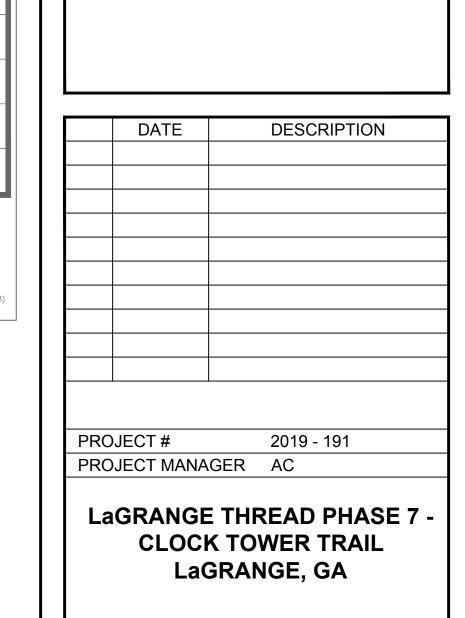
around a storm drain drop inlet. The excavated area will be filled and stabilized

A small temporary pond that drains a

A buoyant device that releases/drains wat

Linear control device constructed as a diversion perpendicular to the direction of runoff to enhance dissipation and infiltration while creating multiple sedimentation cham with the employment of intermediate dikes

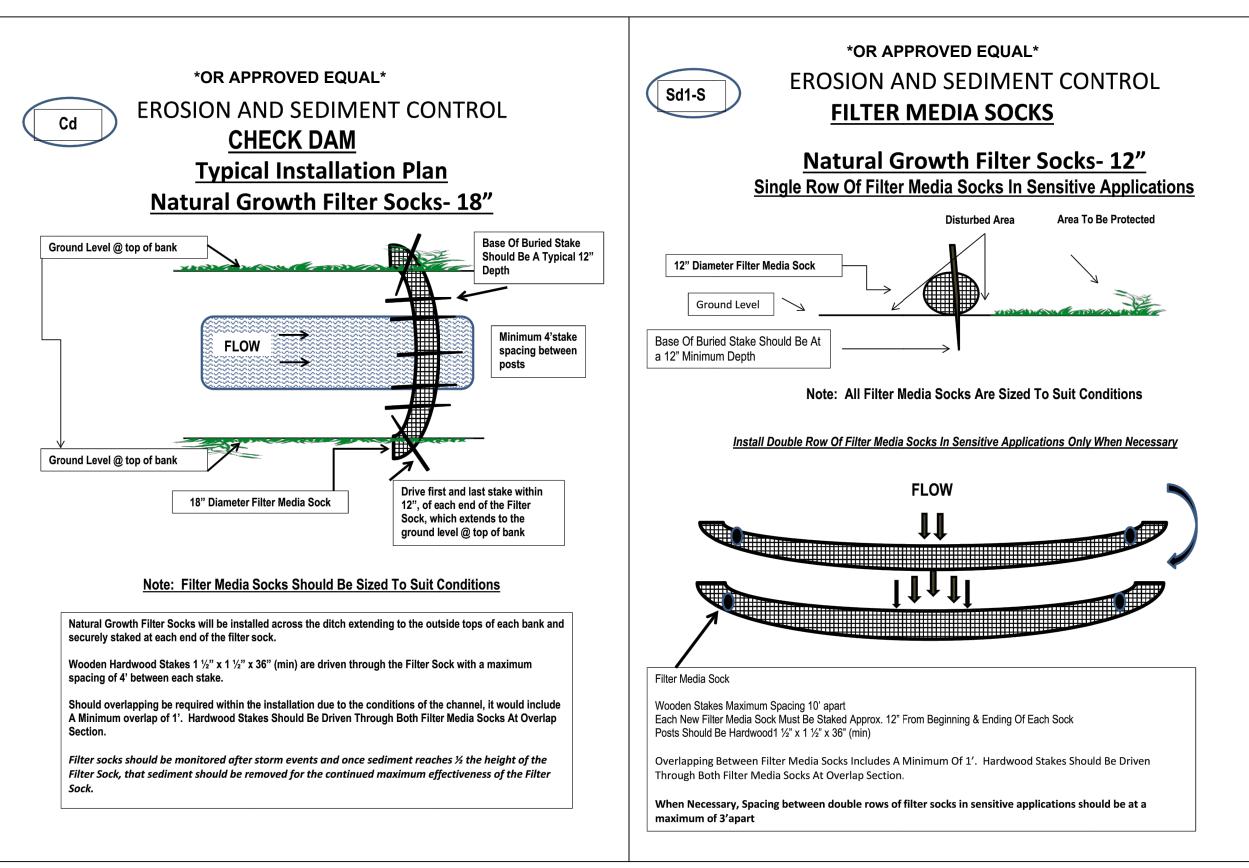
structure to serve as a temporary sedimer

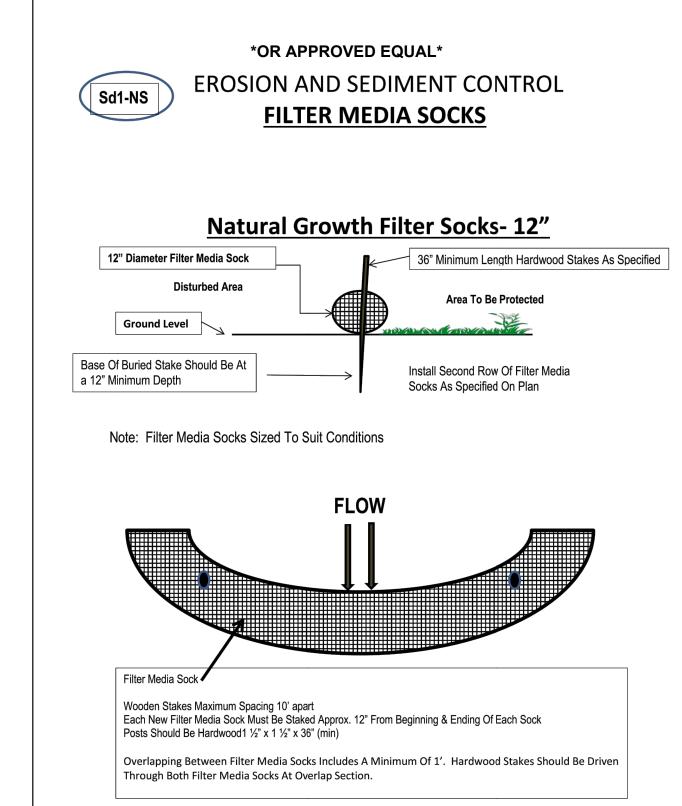


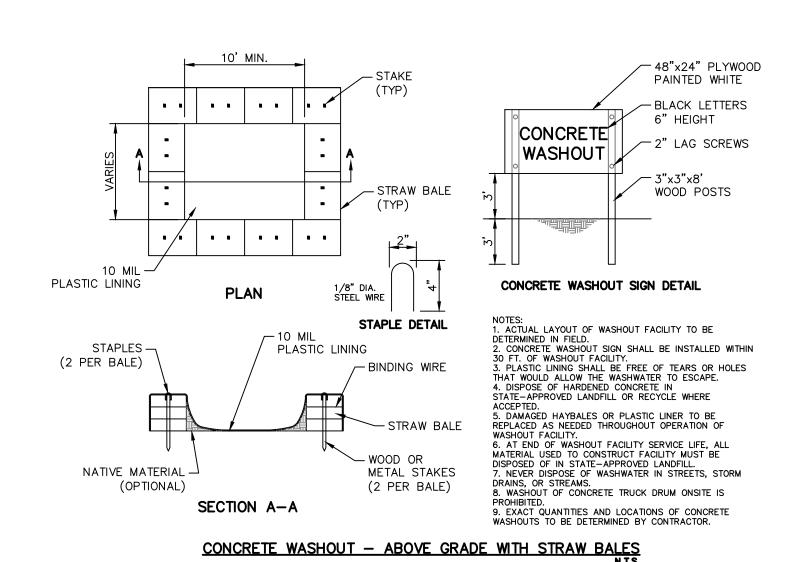


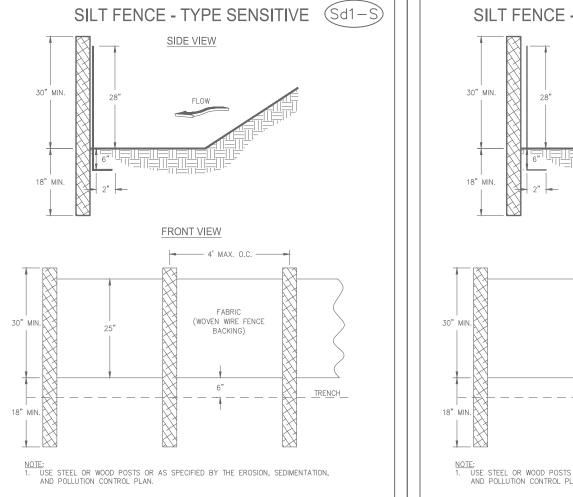
EROSION CONTROL DETAILS

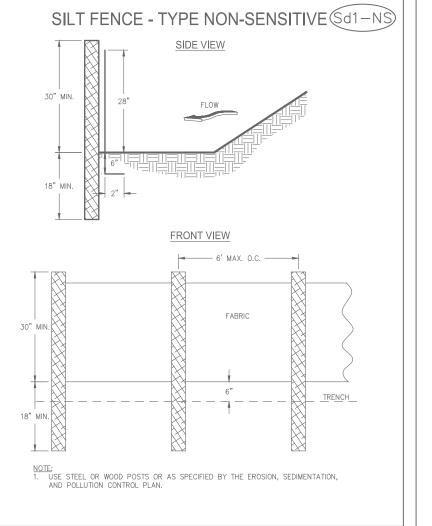
SCALE	N.T.S.
DATE	NOVEMBER 13, 2020
SHEET#	ED-02











KAIZENCOLLABORATIVE
2390 MAIN STREET | TUCKER, GEORGIA 30084 | 404.239.2521

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CANONING CAND SURVEYING • LAND PLANNING

105 CORPORATE DRIVE

FAX (770) 834-4694

CARROLLTON, GA. 30117

FAXILIZENCE (770) 834-1005

FAXILIZENCE (770) 834-1005

DATE	DESCRIPTION
PROJECT#	2019 - 191
PROJECT MANAGE	R AC

Lagrange thread phase 7 -CLOCK TOWER TRAIL Lagrange, GA



EROSION CONTROL DETAILS

SCALE N.T.S.

DATE NOVEMBER 13, 2020

ED-03

SHEET#

DESIGN PROFESSIONAL:

GEORGIA AND WEST, INC 105 CORPORATE DRIVE CARROLLTON, GA 30117 PHONE: (770) 834-4694

24-HOUR CONTACT JONATHAN McCAIG 404-433-1900

GENERAL NOTES:

- 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
- EACH SECONDARY PERMITTEE WILL BE PROVIDED WITH A COPY OF THE EROSION CONTROL PLANS OR PORTIONS OF THE PLAN APPLICABLE TO THEIR SITE AND EACH SECONDARY PERMITTEE SHALL SIGN THE PLAN OR PORTION OF THE PLAN APPLICABLE TO THEIR
- . ANY AMENDMENT TO THE EROSION CONTROL PLANS WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL
- . AFTER CONSTRUCTION, EROSION AND SEDIMENTATION WILL BE MANAGED BY STABILIZED AREA CONSISTING OF PAVED TRAIL, GRASSING, LANDSCAPING, AND OUTLET PROTECTION AT ALL STORM
- MINIMIZING WIND EROSION AND CONTROLLING DUST WILL BE ACCOMPLISHED BY ONE OR MORE OF THE FOLLOWING METHODS: A. COVERING 30% OR MORE OF THE SOIL SURFACE WITH NON-

C. FREQUENT WATERING OF EXCAVATION AND FILL AREAS.

- ERODIBLE MATERIAL B. ROUGHENING THE SOIL TO PRODUCE RIDGES PERPENDICULAR TO THE PREVAILING WIND
- D. PROVIDING GRAVEL OR PAVING AT ENTRANCE/EXIT DRIVES. . THIS SITE TO BE DEVELOPED INTO LINEAR PARK CONSISTING OF A CONCRETE MULTI-USE TRAIL WITH LANDSCAPING. THE TOTAL SITE AREA: 1.08 ACRES (TOTAL SITE AREA INCLUDES A WIDTH OF 25' ALONG THE CENTERLINE OF THE TRAIL). THE TOTAL DISTURBED AREA:
- 1.5 ACRES PERIMETER SEDIMENT CONTROL STRUCTURES ARE SHOWN TO MINIMIZE EROSION & SEDIMENTATION

CLEARING PHASE - PHASE **EROSION CONTROL NOTES**

PRIOR TO THE LAND DISTURBING CONSTRUCTION, THE CONTRACTOR SHALL SCHEDULE A PRE-CONSTRUCTION MEETING WITH THE AREA SITE DEVELOPMENT INSPECTOR.

THE CONTRACTOR SHALL OBSERVE THE PROJECT SEQUENCE SHOWN ON THE PLANS. THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

NO STAGING AREAS, MATERIAL STORAGE, CONCRETE WASH OUT AREAS,

THE OWNER AGREES TO PROVIDE AND MAINTAIN OFF-STREET PARKING ON THE SUBJECT PROPERTY DURING THE ENTIRE CONSTRUCTION PERIOD.

OR DEBRIS BURN AND BURIAL HOLES SHALL BE LOCATED WITHIN 500 FFFT OF DESIGNATED TREE PROTECTION AREAS

SHALL BE PRESENT ON THE SITE AT ALL TIMES. FSCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY T INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND

A COPY OF THE EROSION SEDIMENT & POLLUTION CONTROL PLANS

PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE AND ALL STREAM BUFFERS SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES. RIBBONS. OR OTHER LAND DISTURBANCE ACTIVITY SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.

PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE CONSTRUCTED AT EACH POINT OF ENTRY TO OR EXIT FROM THE SITE OR ONTO ANY PUBLIC ROADWAY.

THE FOLLOWING INITIAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

1. THE CONSTRUCTION EXIT, CONSISTING OF A MINIMUM PAD SIZE OF 20 FEET BY 50 FEET WITH A MINIMUM OF 6" THICK STONE, SHALL BE PLACED AS SHOWN ON THE PLAN. THE STONE SIZE SHOULD CONSIST OF COURSE AGGREGATE BETWEEN $1 \frac{1}{2}$ " & $3 \frac{1}{2}$ " IN DIAMETER AND OVERLAID ON A GEOTEXTILE UNDERLINER. THE GEOTEXTILE UNDERLINER SHALL MEET THE REQUIREMENTS OF AASHTO M288-96, SECTION 7.3 SEPARATION REQUIREMENTS.

2. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION ENTRANCE/EXITS, ALL PERIMETER EROSION CONTROL AND STORMWATER MANAGEMÉNT DEVICES SHALL BE INSTALLED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL PLAN.

4. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL EXISTING STORM STRUCTURES AS SHOWN ON THE PLAN. SEE SEPARATE DETAILS FOR SPECIFICS ON TYPE OF INLET PROTECTION SPECIFIED.

5. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.

6. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.

AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES. THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL

DESIGN PROFESSIONAL'S CERTIFICATION:

(1) 1 CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND

COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY

"MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL)

AND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING

OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER

(2) I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED

AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY MYSELF

(3) I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND

PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES

HAVE DETERMINED IN MY PROFESSIONAL JUDGMENT, UTILIZING THE

FACTORS REQUIRED IN THE GENERAL NPDES PERMIT NO. GAR 100002

THAT THE INCREASE IN THE TURBIDITY OF EACH SPECIFIC IDENTIFIED

IN THE TURBIDITY OF A SPECIFIC IDENTIFIED UN-SAMPLED RECEIVING

PURSUANCE TO RULE 180-6.09 OF THE GEORGIA STATE BOARD OF

REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS. THE

POLLUTION CONTROL PLAN PROVIDES FOR THE MONITORING OF: (A) ALL

PERENNIAL AND INTERMITTENT STEAMS AND OTHER WATER BODIES, OR

(B) WHERE ANY SUCH SPECIFIC IDENTIFIED PERENNIAL OR INTERMITTENT

STREAM AND OTHER WATER BODY IS NOT PROPOSED TO BE SAMPLED, I

SAMPLED RECEIVING WATER WILL BE REPRESENTATIVE OF THE INCREASE

TERM "CERTIFY" OR "CERTIFICATION" RELATING TO ENGINEERING SERVICES

NOVEMBER 13, 2020

SHALL MEAN A SIGNED STATEMENT BASED ON FACTS AND KNOWLEDGE

KNOWN TO THE ENGINEER AND IS NOT A GUARANTEE OR WARRANTY,

LEVEL/II CERTIFIED DESIGN PROFESSIONAL CERTIFICATION #17788

EITHER EXPRESSED OR IMPLIED.

SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED

OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT

REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR

PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE

OR MY AUTHORIZED AGENT, UNDER MY SUPERVISION.

PÓLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND

THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT

PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION.

COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE

AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES WHERE INITIAL SEDIMENT STORAGE AND PERIMETER CONTROL BMP'S NEED TO BE INSTALLED. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT PONDS AND DIVERSION DIKES AS SHOWN ON THE CLEARING PHASE PLAN TO CONTROL EROSION AND STORMWATER RUNOFF.

DEVICES DEEMED NECESSARY BY THE SITE INSPECTION.

THE DESIGN PROFESSIONAL WHO PREPARED THE EROSION CONTROL PLANS WILL INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE AND PERIMETER CONTROL BMP'S WITHIN SEVEN DAYS AFTER INSTALLATION. ONCE THE INITIAL SEDIMENT STORAGE AND PERIMETER CONTROL BMP'S ARE IN PLACE, THEN CLEARING/GRUBBING/MASS GRADING CAN BEGIN.

THE CONTRACTOR CAN UTILIZE CLEARED TREES AS BARRIER BRUSH SEDIMENT CONTROL IN AREAS SHOWN ON PLAN WHERE INITIAL GRADING ACTIVITIES WILL NOT OCCUR.

NO BURN OR BURY PITS SHALL BE PERMITTED ON THE CONSTRUCTION SITE WITHOUT WRITTEN PERMISSION BY THE OWNER AND/OR THE

ADDITIONAL SILT BARRIERS MUST BE PLACED AS SHOWN ON THE PLAN AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL TAKE PLACE UNTIL SILT BARRIER INSTALLATION AND SEDIMENT PONDS ARE CONSTRUCTED AS SHOWN ON THE CLEARING PHASE EROSION CONTROL

ALL ITEMS IN THIS SECTION OF THE SPECIFICATIONS SHALL MEET THE REQUIREMENTS AS SET FORTH IN SECTION 161, 162, 163, AND 164 OF THE GEORGIA D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED THE REQUIRED CLEANOUT ELEVATION OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NECESSARY.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OF TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE DESIGN ENGINEER.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

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

- a. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
- d. A COPY OF ALL MONITORING INFORMATION, RESULTS, AND
- REPORTS REQUIRED BY THIS PERMIT: e. A COPY OF ALL INSPECTION REPORTS GENERATED IN
- ACCORDANCE WITH PART IV.D.4.a OF THIS PERMIT; f. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION
- g. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE

2. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION. REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, 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 ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED. AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST

EROSION CONTROL AND TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

_____ 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."

GRADING PHASE - PHASE 2 **EROSION CONTROL NOTES:**

PROTECTION IS ESTABLISHED.

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE PRELIMINARY GRADING PHASE OF CONSTRUCTION. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES.

AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION

EARTHWORK OPERATIONS IN THE VICINITY OF STREAM BUFFERS SHALL BE CAREFULLY CONTROLLED TO AVOID DUMPING OR SLOUGHING INTO THE BUFFER AREAS.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY RRICADES WHILE ROADWAY FRONTAGE IMPROVEMENTS ARE BEING

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.

CUT AND FILL SLOPES ARE NOT TO EXCEED 2H: 1V.

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE PRELIMINARY GRADING PHASE OF CONSTRUCTION.

INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED. SEE PLAN VIEW FOR SPECIFIC TYPE AND SEPARATE DETAILS FOR ADDITIONAL INFORMATION ON TYPE OF INLET PROTECTION SPECIFIED.

STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL DRAINAGE SWALES SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.

ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.

AFTER PRELIMINARY GRADING ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT BASINS AND DIVERSION DIKES AS SHOWN ON PLAN. THE CONTRACTOR SHALL MAINTAIN THE SEDIMENT POND UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE ${\it 180}$ DEPTH OF BASIN. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED THE REQUIRED CLEANOUT ELEVATION OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NECESSARY.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE DESIGN ENGINEER.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

FINAL PHASE - PHASE 3 **EROSION CONTROL NOTES:**

THE FOLLOWING EROSION CONTROL MEASURES SHALL BE IMPLEMENTED DURING THE FINAL EROSION CONTROL PHASE OF CONSTRUCTION.

SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.

MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE. ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE

STABILIZED WITH TEMPORARY GRASSING THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT PONDS AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND OVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE HALF WAY POINT ON THE RISER

AFTER CURBING, GRADED AGGREGATE BASE, AND PAVEMENT HAS BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION. SEE SEPARATE DETAIL FOR ADDITIONAL INFORMATION.

ALL ROADWAY AND PARKING SHOULDERS SHOULD BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED BEHIND

SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED THE CLEANOUT ELEVATION OF THE DEVICE. ADDITIONAL DEVICES MUST BE INSTALLED IF NFCFSSARY.

THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.

CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE DESIGN ENGINEER.

FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED BACK TO THE EROSION CONTROL PLANS.

THE SITE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL MEASURES INCLUDING REPLACING OR REPAIRING ANY DAMAGED DEVICES DUE TO ANY CONSTRUCTION ACTIVITY BY OTHERS.

ONCE FINAL STABILIZATION IS ACHIEVED, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED DIFFERENTLY ON PLANS. ONCE TEMPORARY EROSION CONTROL MEASURES ARE REMOVED, THEN THE NOTICE OF TERMINATION CAN BE FILED.

PERMIT COVERAGE:

THIS PLAN HAS BEEN PREPARED TO MEET THE REQUIREMENTS UNDER THE STATE OF GEORGIA, DEPARTMENT OF NATURAL RESOURCES, ENVIRONMENTAL PROTECTION DIVISION (EPD), GENERAL PERMIT NO. 100002 FOR AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES), STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FOR INFRASTRUCTURE.

1. CONSTRUCTION ACTIVITIES (GAR 100002 PART 1.C.1)

- A. ALL DISCHARGES OF STORM WATER ASSOCIATED WITH INFRASTRUCTURE CONSTRUCTION PROJECTS THAT WILL RESULT IN LAND DISTURBANCE EQUAL TO OR GREATER THAN ONE (1) ACRE OCCURRING ON OR BEFORE, AND CONTINUING AFTER, THE EFFECTIVE DATE OF THIS PERMIT, (HENCEFORTH REFERRED TO AS EXISTING STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES) EXCEPT FOR DISCHARGES IDENTIFIED UNDER PART I.C.3.
- B. ALL DISCHARGES OF STORM WATER ASSOCIATED WITH INFRASTRUCTURE CONSTRUCTION PROJECTS THAT WILL RESULT IN LAND DISTURBANCES EQUAL TO OR GREATER THAN ONE (1) ACRE OCCURRING AFTER THE EFFECTIVE DATE OF THIS PERMIT, (HENCEFORTH REFERRED TO AS STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES), EXCEPT FOR DISCHARGES IDENTIFIED UNDER PART I.C.3
- COVERAGE UNDER THIS PERMIT IS NOT REQUIRED FOR DISCHARGES OF STORM WATER ASSOCIATED WITH INFRASTRUCTURE CONSTRUCTION PROJECTS THAT RESULT IN LAND DISTURBANCE OF LESS THAN FIVE (5) ACRES AND CONSIST SOLELY OF ROUTINE MAINTENANCE FOR THE ORIGINAL PURPOSE OF THE FACILITY THAT IS PERFORMED TO MAINTAIN THE ORIGINAL LINE AND GRADE AND THE HYDRAULIC CAPACITY, AS APPLICABLE. THE PERMITTEE SHALL, AS A MINIMUM, IMPLEMENT AND MAINTAIN BEST MANAGEMENT PRACTICES. INCLUDING SOUND CONSERVATION AND ENGINEERING PRACTICES TO PREVENT AND MINIMIZE EROSION AND RESULTANT SEDIMENTATION. WHICH ARE CONSISTENT WITH AND NO LESS STRINGENT THAN, THOSE PRACTICES CONTAINED IN THE
- "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY IS BEING CONDUCTED. IN ORDER TO BE FLIGIBLE FOR THIS EXEMPTION THE PROJECT MUST COMPLY WITH THE FOLLOWING CONDITIONS: (1) NO MASS GRADING SHALL OCCUR ON THE PROJECT, (2) THE PROJECT SHALL BE STABILIZED BY THE END OF EACH DAY WITH TEMPORARY OR PERMANENT STABILIZATION AND (3) THE PROJECT SHALL
- D. COVERAGE UNDER THIS PERMIT IS NOT REQUIRED FOR DISCHARGE OF STORMWATER ASSOCIATED WITH RAILROAD CONSTRUCTION PROJECTS AND EMERGENCY RE-CONSTRUCTION CONDUCTED PURSUANT TO THE FEDERAL RAILWAY SAFETY ACT. THE INTERSTATE COMMERCE COMMISSION TERMINATION ACT AND WHICH CONSIST SOLELY OF ROUTINE MAINTENANCE FOR THE ORIGINAL PURPOSE OF THE FACILITY THAT IS PERFORMED TO MAINTAIN THE ORIGINAL LINE AND GRADE AND THE HYDRAULIC CAPACITY, AS APPLICABLE. THE CONSTRUCTION ACTIVITY SHOULD, AT A MINIMUM, IMPLEMENT AND MAINTAIN BEST MANAGEMENT PRACTICES, INCLUDING SOUND CONSERVATION AND ENGINEERING PRACTICES TO PREVENT AND MINIMIZE EROSION AND RESULTANT SEDIMENTATION CONSISTENT WITH THE REQUIREMENTS OF THE FEDERAL RAILWAY SAFETY ACT AND APPLICABLE REQUIREMENTS OF THE CLEAN WATER ACT.

HAVE A DURATION OF LESS THAN 90 CALENDAR DAYS; AND

2. MIXED STORM WATER DISCHARGES (GAR 100002 PART 1.C.2)

THIS PERMIT MAY ONLY AUTHORIZE A STORM WATER DISCHARGE FROM A CONSTRUCTION SITE OR CONSTRUCTION ACTIVITIES THAT IS MIXED WITH A STORM WATER DISCHARGE FROM AN INDUSTRIAL SOURCE OR ACTIVITY THER THAN CONSTRUCTION WHERE: A. THE INDUSTRIAL SOURCE OR ACTIVITY OTHER THAN CONSTRUCTION IS

LOCATED ON THE SAME SITE AS THE CONSTRUCTION ACTIVITY AND IS AN INTEGRAL PART OF THE CONSTRUCTION ACTIVITY: B. THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES ARE OCCURRING ARE IN COMPLIANCE WITH THE TERMS OF THIS PERMIT; AND C. STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE AREAS OF THE SITE WHERE INDUSTRIAL ACTIVITY OTHER THAN CONSTRUCTION ARE OCCURRING ARE COVERED BY A DIFFERENT NPDES

GENERAL PERMIT OR INDIVIDUAL PERMIT AUTHORIZING SUCH DISCHARGES

AND THE DISCHARGES ARE IN COMPLIANCE WITH A DIFFERENT NPDES

3. LIMITATIONS ON COVERAGE (GAR 100002 PART 1.C.3)

THE FOLLOWING STORM WATER DISCHARGES FROM CONSTRUCTION SITES ARE NOT AUTHORIZED BY THIS PERMIT:

- A. STORM WATER DISCHARGES ASSOCIATED WITH AN INDUSTRIAL ACTIVITY THAT ORIGINATE FROM THE SITE AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION: B. DISCHARGES THAT ARE MIXED WITH SOURCES OF NON-STORM WATER OTHER THAN DISCHARGES WHICH ARE IDENTIFIED IN PART III.A.2. OF THIS
- PERMIT AND WHICH ARE IN COMPLIANCE WITH PART IV.D.7. (NON-STORM WATER DISCHARGES) OF THIS PERMIT . STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY THAT ARE SUBJECT TO AN EXISTING NPDES INDIVIDUAL OR GENERAL PERMIT. SUCH DISCHARGES MAY BE AUTHORIZED UNDER THIS PERMIT AFTER AN
- EXISTING PERMIT EXPIRES PROVIDED THE EXISTING PERMIT DID NOT ESTABLISH NUMERIC LIMITATIONS FOR SUCH DISCHARGES; AND D. STORM WATER DISCHARGES FROM CONSTRUCTION SITES THAT THE DIRECTOR (EPD) HAS DETERMINED TO BE OR MAY REASONABLY BE EXPECTED TO BE CONTRIBUTING TO A VIOLATION OF A WATER QUALITY

4. COMPLIANCE WITH WATER QUALITY STANDARDS (GAR 100002 PART 1.C.4) NO DISCHARGES AUTHORIZED BY THIS PERMIT SHALL CAUSE VIOLATIONS OF

GEORGIA'S IN-STREAM WATER QUALITY STANDARDS AS PROVIDED BY THE

RULES AND REGULATIONS FOR WATER QUALITY CONTROL, CHAPTER 391-3-6-.03.

STANDARD.

SAMPLING REQUIREMENTS (GAR 100002 PART IV.D.6) THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBIDITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THIS PERMIT. THE

FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING

a. SAMPLING REQUIREMENTS SHALL INCLUDE THE FOLLOWING: (1) A USGS TOPOGRAPHIC MAP, A TOPOGRAPHIC MAP OR A DRAWING (REFERRED TO AS A TOPOGRAPHIC MAP) THAT IS A SCALE FOUAL TO OR MORE DETAILED THAN A 1:24000 MAP SHOWING THE LOCATION OF THE INFRASTRUCTURE CONSTRUCTION; (A) THE LOCATION OF ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES AS SHOWN ON A USGS TOPOGRAPHIC MAP, AND ALL OTHER PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES LOCATED DURING MANDATORY FIELD VERIFICATION, INTO WHICH THE STORM WATER IS DISCHARGED AND (B) THE RECEIVING WATER AND/OR OUTFALL SAMPLING LOCATIONS FOR EACH REPRESENTATIVE

STORMWATER OUTFALL. WHEN THE PERMITTEE HAS CHOSEN TO USE A USGS TOPOGRAPHIC MAP AND THE RECEIVING WATER(S) IS NOT SHOWN ON THE USGS TOPOGRAPHIC MAP, THE LOCATION OF THE RECEIVING WATER(S) MUST BE HAND-DRAWN ON THE USGS TOPOGRAPHIC MAP FROM WHERE THE STORM WATER(S) ENTERS THE RECEIVING WATER(S) TO THE POINT WHERE THE RECEIVING WATER(S) COMBINES WITH THE FIRST BLUE LINE STREAM SHOWN ON THE USGS TOPOGRAPHIC MAP; (2). A WRITTEN NARRATIVE OF SITE SPECIFIC ANALYTICAL METHODS USED TO COLLECT AND ANALYZE THE SAMPLES INCLUDING QUALITY

INCLUDE PRECISE SAMPLING METHODOLOGY FOR EACH SAMPLING (3). WHEN THE PERMITTEE HAS DETERMINED THAT SOME OR ALL OUTFALLS WILL BE MONITORED, A RATIONALE MUST BE INCLUDED FOR THE NTU LIMIT(S) SELECTED FROM APPENDIX B. THIS RATIONALE MUST INCLUDE THE SIZE OF THE CONSTRUCTION SITE, THE CALCULATION OF THE SIZE OF THE SURFACE WATER DRAINAGE AREA, AND THE TYPE OF RECEIVING WATER(S) (I.E., TROUT STREAM OR SUPPORTING WARM

CONTROL/QUALITY ASSURANCE PROCEDURES. THIS NARRATIVE MUST

WATER FISHERIES); AND (4). ANY ADDITIONAL INFORMATION EPD DETERMINES NECESSARY TO BE PART OF THE PLAN. EPD WILL PROVIDE WRITTEN NOTICE TO THE PERMITTEE OF THE INFORMATION NECESSARY AND THE TIME LINE FOR SUBMITTAL.

b. SAMPLE TYPE.

ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST 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 STORM WATER SAMPLING GUIDANCE DOCUMENT. EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

(1). SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE (2). SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.

SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION (4). MANUAL. AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. DILUTION OF 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

(3). LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS

BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS SPECIFIED IN PART IV.E. SAMPLING POINTS.

(1). FOR CONSTRUCTION ACTIVITIES THE PRIMARY PERMITTEE MUST

SAMPLE ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES. OR ALL OUTFALLS INTO SUCH STREAMS AND OTHER WATER BODIES, OR A COMBINATION THEREOF. HOWEVER, PROVIDED FOR IN AND IN ACCORDANCE WITH PART IV.D.6.C.(2). OF THIS PERMIT, PRIMARY PERMITTEES ON AN INFRASTRUCTURE CONSTRUCTION PROJECT MAY SAMPLE THE REPRESENTATIVE PERENNIAL AND INTERMITTENT STREAMS, OTHER WATER BODIES OR OUTFALLS, OR A COMBINATION THEREOF. 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 STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:

(a). THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER 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. (b). THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE

TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER 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. (c). IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).

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

FACES UPSTREAM. (f). THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS. . PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW 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 70% OR GREATER, OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP GABIONS PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN USED. PERMANENT VEGETATION SHALL CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VINES: A CROP OF PERENNIAL VECETATION APPROPRIATE FOR THE TIME OF YEAR AND REGION: OR A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION. FOR INFRASTRUCTURE CONSTRUCTION PROJECTS ON LAND USED FOR AGRICULTURAL OR SILVICULTURAL PURPOSES, FINAL STABILIZATION MAY BE ACCOMPLISHED BY STABILIZING THE DISTURBED LAND FOR ITS

AGRICULTURAL OR SILVICULTURAL USE. FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION. (h). ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS TIMING AND FREGUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4., WHICHEVER IS APPLICABLE.

d. 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, SAMPLES MUST BE TAKEN WITHIN FORTY-FIVE (45) MINUTES OF:

(a) THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE

QUALIFYING EVENT, IF THE STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL HAS BEGUN AT OR PRIOR TO THE ACCUMULATION, OR (b) THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER OR FROM A MONITORED OUTFALL, IF THE DISCHARGE

BEGINS AFTER THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL FOR THE QUALIFYING EVENT. (2). HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE

(3). SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING (a). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* (MONDAY THRU FRIDAY, 8:00 AM TO 5:00 PM AND SATURDAY 8:00 ÀM TO 5:00 PM, EXCLUDING ALL NON-WORKING FEDERAL HOLIDAYS, WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE) THAT OCCURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION:

(b). IN ADDITION TO (A) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM. THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* THAT OCCURS FITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED IN THE DRAINAGE AREA OF THI LOCATION SELECTED AS THE REPRESENTATIVE SAMPLING LOCATION, WHICHEVER COMES FIRST:

(c). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B ÁBOVE, IF BMPS ARE FOUND TO BE PROPERLY DESIGNED, INSTALLÈD AND MAINTAINED, NO FURTHER ACTION IS REQUIRED. IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM 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). 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

FOR MONITORING AT ANY TIME OF THE DAY OR WEEK.

ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS

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DESCRIPTION DATE 01/08/202 ADDENDUM #1

PROJECT# 2019 - 191

PROJECT MANAGER AC

Lagrange thread phase 7 **CLOCK TOWER TRAIL** LaGRANGE, GA



EROSION, SEDIMENTATION & POLLUTION CONTROL **NOTES**

SCALE | N.T.S. DATE NOVEMBER 13, 2020

SHEET#

WITH PART IV.D.4.a.(1)(c) OF THIS PERMIT.

ACCORDANCE WITH PART VI: b. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION

CONTROL PLAN REQUIRED BY THE PERMIT: THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5 OF THIS PERMIT;

SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2 OF THIS PERMIT: AND

AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE

EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN (ESPCP)

This plan was prepared as required by NPDES General Permit No. GAR 100002. These plan sheets and all requirements of the General Permit as well as Local, State, and Federal regulations or laws apply regardless of specific inclusion in this plan.

SITE DESCRIPTION
CITY OF LaGRANGE as Primary Permittee will oversee site construction located within the Property situated in Land lots 116 of District 6, Troup County, Georgia. The magnitude of the entire development contains 1.5

Project to be developed as a linear park that will consist of a concrete multi-use trail with grassing and landscaping. No secondary perimttees are known to be needed for this project at this time.

Boundary information: Obtained from field survey performed by Georgia & West, Inc.

Topographic information: Obtained from field survey performed by Georgia & West, Inc.

NGS Monument: OPUS Vertical: NAVD 88

TBM: Top F.H. Operating Nut. Elev.: 704.55

-Completion of on-site stabilization

Flood Insurance Rate Map, Panel 13285C0143E, Dated 09-19-2007, shows the site to be in Zone X (no base flood elevations determined).

Runoff Coefficient

* Weighted pre-construction Runoff Coefficient (C): 0.39 * Weighted post-construction Runoff Coefficient (C): 0.39

<u>Soil Types</u> The NRCS soil types are shown on the Erosion Control Plans.

Soil Disturbing Activities Include:

—Installing a stabilized construction exit, perimeter and other erosion and sediment controls -Clearing and grubbing -Grading and excavation for utilities & road subgrade -Preparation for final planting and seeding

Sequence of Major Activities See Construction Schedule

<u>Name of Receiving Waters</u> Tributary of Oseligee Creek

<u>CONTROLS</u> Erosion and Sediment Controls

All construction exits shall be in place prior to any land disturbing activities

Existing vegetation shall be left in place until such time that land disturbing activities are to take place upon that portion of the site. When construction activities have ceased in an area, that area shall be stabilized within 14 days. If the area is not yet to final grade, it shall be mulched. If the area is to final grade and will eventually contain site improvements such as the structures or sidewalks, it shall be temporary seeded. Areas brought to final grade that will remain pervious are to be permanently seeded. Allowable exceptions from the NPDES General Permit, GAR 100002, are noted below.

"Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently cease is precluded by snow cover or other adverse weather conditions, stabilization measures shall be initiated as soon as practicable."

Please refer to Detail Sheets for the land disturbance construction schedule and temporary and permanent grassing schedules. Storm water from this development will sheet flow into a Tributary of Oseligee Creek.

All non-storm water discharges will be routed through on site BMPs and the storm water management system where possible. These discharges include flushing of water and fire lines, irrigation water, ground water, dewatering of pits or depressions within the construction site and rinse off water of non—toxic materials.

OTHER CONTROLS NO WASTE WILL BE DISPOSED OF INTO STORM WATER INLETS OR WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

<u>Waste Materials</u>

All waste materials will be collected and stored in a securely lidded metal dumpster. The dumpster will meet all solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied a minimum of once per week or more often if necessary and trash will be hauled as required by local regulations. No construction waste will be buried onsite.

All personnel will be instructed on proper procedures for waste disposal. A notice stating these practices will be posted at the jobsite and the Contractor will be responsible for seeing that these procedures are followed.

<u>Building Materials</u>
Building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site, provide cover (e.g. plastic sheeting, temporary roofs) to minimize the exposure of these products to precipitation and to stormwater, or a similarly effective means designed to minimize the discharge of pollutants from these areas. Minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in 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).

All hazardous waste materials will be disposed of in the manner specified by local, state, and /or federal regulations and by the manufacturer of such products. The job site superintendent, who will also be responsible for seeing that these practices are followed, will instruct site personnel in these practices. Material Safety Data Sheets (MSDS's) for each substance with hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. A MSDS will be posted in the immediate area where such product is stored and/or used and another copy of each MSDS will be maintained in the ESPCP file at the job site construction trailer office. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the specific information in the applicable MSDS for the product he/she is using, particularly regarding spill control techniques.

The contractor will implement the Spill Prevention Control and Countermeasures (SPCC) Plan found within this ESPCP and will train all personnel in the proper cleanup and handling of spilled materials. No spilled hazardous materials or hazardous wastes will be allowed to come in contact with stormwater discharges. If such contact occurs, the stormwater discharge will be contained on site until appropriate measures in compliance with state and federal regulations are taken to dispose of such contaminated stormwater. It shall be the responsibility of the job site superintendent to properly train all personnel in the use of the SPCC plan.

Sanitary Wastes

A minimum of one portable sanitary unit will be provided for every ten (10) workers on the site. All sanitary waste will be collected from the portable units a minimum of one time per week by a licensed portable facility provider in complete compliance with local and state regulations.

All sanitary waste units will be located in one area where the likelihood of the unit contributing to storm water discharge is negligible. Additional containment BMP's must be implemented, such as gravel bags or specially designed plastic skid containers around the base, to prevent wastes from contributing to storm water discharges. The location of sanitary waste units must be identified on the Erosion Control Plan Grading Phase, by the contractor once the locations have been determined.

Sanitary Sewer will be provided by Municipal System at the completion of this project. No permanent waste disposal, sanitary sewer, or septic tanks shall be installed without obtaining all necessary approvals of local and/or state regulations.

Offsite Vehicle Tracking

A stabilized construction exit has been provided to help reduce vehicle tracking of sediment. The paved street adjacent to the site exit will be inspected daily for tracking of mud, dirt or rock. Dump trucks hauling material from the construction site will be covered with a tarpaulin.

INVENTORY FOR POLLUTION PREVENTION PLAN

The following materials are expected onsite during construction: Concrete products, asphalt, petroleum based fuels and lubricants for equipment, tar, metal building materials, lumber, sheet rock, floor coverings, electrical wire and fixtures, paints/stains/finishing treatments, paints, paint solvents, additives for soil stabilization, cleaning solvents, pesticides, fertilizers, herbicides, crushed stone, plastic and metal pipes.

SPILL PREVENTION

Practices such as good housekeeping, proper handling of hazardous products and proper spill control practices will be followed to reduce the risk of spills and spills from discharging into storm water runoff.

Good Housekeeping 1. Quantities of products stored onsite will be limited to the amount needed for the job.

- 2. Products and materials will be stored in a neat, orderly manner in appropriate containers protected from rainfall, where possible
- 3. Products will be kept in their original containers with manufacturer labels legible and visible. 4. Product mixing, disposal and disposal of product containers will be according to the manufacturer's recommendations.
- 5. The Contractor will inspect such materials to ensure proper use, storage and disposal.

Product Specific Practices

Petroleum Based Products - Containers for products such as fuels, lubricants and tars will be inspected daily for leaks and spills. This includes on—site vehicle and machinery daily inspections and regular preventative maintenance of such equipment. Equipment maintenance areas will be located away from state water, 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

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 - NO concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water onsite. Wash areas for washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles, if used, will consist of an enclosed waste collection area that will contain the concrete wash until it hardens then disposed of into the onsite construction waste bin.

Fertilizer/Herbicides - These products will be applied at rates that do not exceed the manufacturer's specifications or above the quidelines set forth in the crop establishment or in the GSWCC Manual for Erosion and Sediment Control in Georgia. Any storage of these materials will be under roof in sealed containers.

Building Materials - No building or construction materials will be buried or disposed of onsite. All such material will be disposed of in proper waste disposal procedures. Spill Cleanup and Control Practices

- Local, State and manufacturer's recommended methods for spill cleanup will be clearly posted and procedures will be made available to site personnel.
- Material and equipment necessary for spill cleanup will be kept in the material storage areas. Typical materials and equipment includes, but is not limited to , brooms, dustpans, mops, rags, gloves, goggles, cat litter, sand, sawdust and properly labeled plastic and metal waste containers.
- Spill prevention practices and procedures will be reviewed after a spill and adjusted as necessary to prevent future spills. • All spills will be cleaned up immediately upon discovery. All spills will be reported as required by local, state
- and federal regulations. • FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE
- CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-424-8802. • FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS
- FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE
- CONTACTED WITHIN 24 HOURS. • FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

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 will need a Spill Prevention Containment and Countermeasures Plan prepared by that licensed professional.

<u>INSPECTIONS</u>

1. 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.

2. Measure and record rainfall within disturbed areas of the site that have not met final stabilization 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 a seeding of target perennials appropriate for the region.

3. Certified personnel (provided by the primary permittee) shall inspect the following at least once every fourteen (14) 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 nonworking 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 water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a 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.

4. 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 is submitted to EPD) the areas of the site that 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).

5. 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 (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7) calendar days following each inspection.

6.A report of each inspection that includes the name(s) of certified personnel making each inspection, 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 Part 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 site 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 incidents, the inspection report shall contain a statement 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.

**A COPY OF THE REPORT(S) SHALL BE SENT TO THE OWNER/DEVELOPER, EPD AS REQUIRED BY THE PERMIT AND

MAINTENANCE & INSPECTION OF EROSION & SEDIMENTATION CONTROLS

<u>Maintenance</u>

The following best management practice maintenance criteria are taken from the "Manual for Erosion and Sediment Control in Georgia", Sixth Edition.

Construction exits shall be maintained in a condition that will prevent tracking or flow of mud onto public rights—of—way. This may require periodic top dressing with 1.5 - 3.5 inch stone, as conditions demand, and repair and/or cleanout of any structures to trap sediment. All materials spilled, dropped, washed, or tracked from vehicles or site onto roadways or into storm drains must be removed immediately.

Retrofit structures shall be kept clear of trash and debris. This will require continuous monitoring and maintenance, which includes sediment removal when one—third of the sediment storage capacity has been

Sediment shall be removed from sediment traps when the sediment has accumulated to one-half the height of the trap. Sediment shall be removed from curb inlet protection immediately. For excavated inlet sediment traps, sediment shall be removed when one-half of the sediment storage capacity has been lost to sediment accumulation.

Sediment shall not be washed into the inlet. It shall be removed from the sediment trap and disposed of and stabilized so that it will not enter the inlet, again.

When the contributing drainage area has been permanently stabilized, all materials and any sediment shall be removed, and either salvaged or disposed of properly. The disturbed area shall be brought to proper grade, then smoothed and compacted. Appropriately stabilize all disturbed areas around the inlet.

Repair all damages caused to temporary sediment basins by soil erosion or construction equipment at or before the end of each working day. Sediment shall be removed from the basin when it reaches the specified distance below the top of the riser. Sediment shall not enter adjacent streams or drainage ways during sediment removal or disposal. The sediment shall not be deposited downstream from the embankment, adjacent to a stream or floodplain.

Inspect riprap outlet structures after heavy rains to see if any erosion around or below the riprap has taken place or if stones have been dislodged. Immediately make all needed repairs to prevent further damage.

Roughened areas shall be seeded and mulched as soon as possible to obtain optimum seed germination and seeding growth.

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 an area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed.

Permanent vegetation shall be applied immediately to rough graded areas that will be undisturbed for longer than six months. This practice or sodding shall be applied immediately to all areas at final grade. Final Stabilization means that all soil disturbing activities at the site have been completed, and that 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 the GA EPD for waste disposal, 100% of the soil surface is uniformlycovered in permanent vegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas), or equivalent permanent stabilization measures. Permanent vegetation shall consist of, planted trees, shrubs, perennial vines; or a crop of perennial vegetation appropriate for the region, such that within the growing season a 70% coverage by perennial vegetation shall be achieved. Final stabilization applies to each phase of construction. For linear construction projects on land used for agricultural or silvicultural purposes, final stabilization may be accomplished by stabilizing the disturbed land for its agricultural or silvicultural use. Until this standard is satisfied and permanent control measures and facilities are operational, interim stabilization measures and temporary erosion and sedimentation control measures shall not be removed.

STORMWATER SAMPLING

SAMPLE ANALYSIS

Storm water samples are to be analyzed in accordance with methodology and test procedures established by 40 CFR Part 136 and the guidance document titled 'NPDES Storm Water Sampling Guidance Document,

Storm water is to be sampled for nephelometric turbidity units (NTU) at the outfall location. A discharge of storm water runoff from disturbed areas where best management practices have not been properly designed, installed, and maintained shall constitute a separate violation for each day on which such condition results in the turbidity of the discharge exceeding an increase of 25 N.T.U. from upstream to downstream sampling

Sampling Points

There will be 2 storm water sampling locations, Md1A & Md1B. Md1A will be the upstream sampling location and Md1B will be the downstream sampling location. See Erosion Control Plan sheets for exact location. Per NPDES Permit GAR 100002, for construction activities, the Primary Permittee must complete all sampling.

- Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall
- storm water channel. • The sampling container should be held so that the opening faces upstream.
- The Primary Permittee does not have to sample sheet flow onto undisturbed natural areas or areas stabilized by the project.

<u>Reporting</u>

A monthly summary of the monitoring results shall be sent to CITY OF LaGRANGE and Georgia Environmental Protection Division by the 15th of each month. This report summary shall include:

- * 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 samplings should be kept free from floating debris.

- * The date(s) analyses were performed; * The time(s) analyses were initiated;
- * The name(s) of the individuals who performed the analyses; * References and written procedures, when available, for the analytical techniques or methods used. A
- quality control/quality assurances program must be included in the written procedure; * The results of such analyses, including the bench sheets, instrument readouts, computer disks or
- tapes, etc., used to determine these results. *Results which exceed 1000 NTU shall be reported as "Exceeds 1000 NTU." *Certification statement that sampling was conducted as per the Plan.

If no qualifying events occurred within a monthly monitoring period, a report must be submitted stating such. Addresses are provided below:

Governing Agency:

Georgia Environmental Protection Division Mountain District (Atlanta) 4244 International Parkway, Suite 114 Atlanta, GA 30354 (404) 362-2671

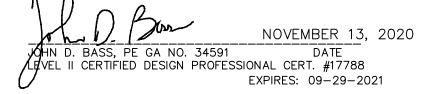
ATTN: CITY OF LaGRANGE ATTN: MEG KELSEY 200 RIDLEY AVENUE LaGRANGE, GA 30240 706-883-2016

mkelsey@lagrangega.org COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

The contractor will obtain copies of any and all local and state regulations that are applicable to storm water management, erosion control, and pollution minimization at this job site and will comply fully with such regulations. The contractor will submit written evidence of such compliance if requested by the Owner or any agent of a regulatory body. The contractor will comply with all conditions of any and all local, state and federal agencies have governing authority, including the conditions related to maintaining the ESPCP and evidence of compliance with the ESPCP at the job site and allowing regulatory personnel access to the job site and to records in order to determine compliance.

CERTIFICATION

"I certify that the Permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of best management practices required by the Georgia Water Quality Control Act and the document 'Manual for Erosion and Sediment Control in Georgia' (Manual) published by the state Soil and Water Conservation Commission as of January 1 of the year in which the land—disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of best management practices meets the design requirements contained in the General NPDES Permit No. GAR 100002."



THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S IN ACCORDANCE WITH PART IV.A.5. WITHIN 7 DAYS AFTER INSTALLATION. CONTRACTOR MUST CONTACT DESIGN PROFESSIONAL IMMEDIATELY ONCE BMP'S ARE INSTALL FD:

DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION

DATE OF INSPECTION ______

I Certify the site was / was not in compliance with the ES&PC Plan on the date of inspection.

JOHN D. BASS, PE GA NO. 34591 LEVEL II CERTIFIED DESIGN PROFESSIONAL CERT. #17788

Inspection revealed the following discrepancies from the ES&PC Plan.

These deficiencies must be addressed immediately and a re-inspection scheduled. Work shall not proceed on the site until Design Professional Certification is obtained.

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	DATE	DESCRIPTION
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Lagrange Thread Phase 7 **CLOCK TOWER TRAIL** LaGRANGE, GA

2019 - 191

PROJECT#

PROJECT MANAGER AC



EROSION, SEDIMENTATION & POLLUTION CONTROL NOTES

SCALE N.T.S. NOVEMBER 13, 2020 DATE

SHEET#

EN-02