





SITE LOCATION MAP NOT TO SCALE



Know what's below Call before you dig



DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT JANUARY 2021

SITE LOCATION:

FROM THE INTERSECTION OF U.S. HWY 78 &



VICINITY MAP NOT TO SCALE

WATER AND SEWER NOTES

 ALL DESIGN AND CONSTRUCTION SHALL COMPLY WITH DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT DESIGN STANDARDS, LATEST EDITION.

 THE DESIGN STANDARDS, LATEST EDITION ARE PROVIDED ON THE DWM ECMS WEBSITE. CONTRACTOR SHALL PROVIDE RECORD DRAWINGS "AS-BUILT PLANS" AND "FINAL PLANS" (IF APPLICABLE) IN HARD COPY AND ELECTRONIC FORMAT (AUTOCAD OR MICROSTATION).

• FIELD CHANGES DURING CONSTRUCTION MUST BE SUBMITTED FOR REVIEW AND APPROVAL TO THE DWM CONSTRUCTION MANAGER

• CONTRACTOR MUST NOTIFY WATER AND SEWER CONSTRUCTION INSPECTOR 72 HOURS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES:

DISTRICT 15: DISTRICT 18:

•

LONNIE KELLEY DANIEL TUCKER

(404) 391-4164 (404) 732-6411

ATKINS NORTH AMERICA INC. CERTIFICATE OF AUTHORIZATION # PEF000902 EXPIRATION DATE: 06/30/2022



1600 Riveredge Parkway, Suite 700 Atlanta, Ga 30328 P: 770-933-0280



OWNER

OFFICERS

DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT 4572 MEMORIAL DRIVE

DECATUR, GEORGIA 30032 CONTACT: JULIO TRINIDAD, PHONE: (404) 687-3457

REGINALD WELLS

ATKINS, NORTH AMERICA

ATLANTA, GEORGIA 30328

1600 RIVEREDGE PARKWAY, SUITE 700

CHIEF EXECUTIVE OFFICER MICHAEL THURMOND DEKALB COUNTY BOARD OF COMMISSIONERSDISTRICT 1ROBERT PA ROBERT PATRICK **DISTRICT 2** JEFF RADER DISTRICT 3 LARRY JOHNSON **DISTRICT 4** STEVE BRADSHAW **DISTRICT 5** MEREDA DAVIS JOHNSON **DISTRICT 6** EDWARD TERRY **DISTRICT 7** LORRAINE COCHRAN-JOHNSON DEPARTMENT OF WATERSHED MANAGEMENT

DESIGNER

DIRECTOR

DRAWING INDEX

SP-03

SP-04

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P-04	PLAN & PROFILE STA. 34+00 TO STA. 45+00	EC-07	EROSION CONTROL PLAN
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1. ALL EROSION AND SEDIMENTATION CONTROLS AND ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO GRADING.

DEKALB WATERSHED MANAGEMENT:

JULIO TRINIDAD, PHONE: (404) 687-3457 24 HR EMERGENCY OPERATIONS CONTACT, PHONE: (678) 237-3812

GDOT DISTRICT ACCESS MANAGEMENT ENGINEER: CHRISTOPHER McKINNEY, PHONE (770) 986-7070 GDOT AREA 1 OFFICE, PHONE (404) 687-3457

CATHODIC PROTECTION DETAILS

CATHODIC PROTECTION DETAILS

3. NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC SHALL BE PROVIDED AND MAINTAINED THROUGHOUT WIDENING OF AND CONSTRUCTION ON DEKALB COUNTY ROADS.

4. BEGIN CONSTRUCTION: N: 1382263.09 END CONSTRUCTION: N: 1373959.30

W: 2261996.74 W: 2262573.57

5. PROJECT AREA= 7.03 ACRES DISTURBED AREA= 1.86 ACRES NPDES FEES= 1.86 x \$40.00 = \$74.40 PAID TO DEKALB COUNTY AND \$74.40 PAID TO EPD.

				100% SUE	BMITTAL
	REV REV	SION DATE DATE	s BY	DEKALB COUNTY DWM SCOTT BOULEVARD PHASE II WATER MAIN REPLACEM	ENT PROJECT
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lity					DRAWING No.





<u>GENER</u>	AL ABBREVIATIONS	GENERA	L ABBREVIATIONS (CONT'D.)
AFF	ABOVE FINISHED FLOOR	L	LOUVER
AL		LB	
ALI	ALTERNATE	LF	
B/	BOTTOM OF	LP	LOW POINT
BF	BLIND FLANGE	LR	
BFV			
BLDG	BOILDING BOTTOM		LOW WATER LEVEL
BTU	BRITISH THERMAL UNIT	Μ	MOTOR
BV	BALL VALVE	MAG	MAGNETIC
		MATL	MATERIAL
CEM	CUBIC FEET PER MINUTE	MCC	
CHKV	CHECK VALVE	MECH	MECHANICAL
CJ	CONSTRUCTION JOINT	MFR	MANUFACTURER
C .		MH	MANHOLE
CLOS	CI OSET	MJ	
CLR	CLEAR	MTL	METAL
CMU	CONCRETE MASONARY UNIT		
CO		Ν	NORTH
COL		NC	
CONC	CONCRETE	NO	NORMALLY OPENED
CONN	CONNECTION		
CONT		OC	ON CENTER
	CONTROL PANEL CHI ORINATED POLYVINVI	OD	
	CHLORIDE PIPE	OPNG	UPENING
CPLG	COUPLING		
CU	COPPER	PLCS	PLACES
-	B0 05	PREFAB	PREFABRICATED
D		PRV	PRESSURE REDUCING VALVE
	DUCTILE IRON	PS PSI	POUNDS PER SQUARE INCH
DIA	DIAMETER	PV	PLUG VALVE
DIM	DIMENSION	PVC	POLYVINYL CHLORIDE PIPE
DIP		Р	
		RB	
DWG	DRAWING	RCP	REINFORCED CONCRETE PIPE
E	EAST	RD	ROOF DRAIN
ECC	ECCENTRIC	RED	REDUCER
		REF	
	ELECTRICAL	REQD	
EQUIP	EQUIPMENT	RJ	RESTRAINED JOINT
EW	EACH WAY	RPM	REVOLUTIONS PER MINUTE
EXIST	EXISTING	RT	RIGHT
	EXPANSION	c	
LXI		SCH	SCHEDULE
FD	FLOOR DRAIN	SHT	SHEET
FDN		SIM	SIMILAR
FF EM	FINISHED FLOOR	S.J.	SAW CUT JOINT
FIN	FINISHED	SMH	SANITART MANHOLE
FL	FLOOR	SQ	SQUARE
FLG	FLANGED	SS	STAINLESS STEEL OR SANITARY SEWER
		STD	STANDARD
	FIRER GLASS REINFORCED PIPE	SL	SIEEL
FT	FOOT	UNO	UNLESS NOTED OTHERWISE
_		-	
GAL	GALLON	T/	TOP
GALV			
GND	GROUND	THK	
GPM	GALLONS PER MINUTE	TOW	TOP OF WALL
GV	GATE VALVE	TYP	TYPICAL
		VAC V/CP	
איערו HM	πεαυνγάζει ΗΩΓΙ ΩW/ ΜΕΤΔΙ	VERT	VERTICAL
HORIZ	HORIZONTAL	VIC	VICTAULIC
HP	HORSEPOWER OR HIGH POINT	VTR	VENT THROUGH ROOF
HVAC			
HWL	AIR CONDITIONING HIGH WATER I EVEI	W	WATER
··-		WD	WOOD
I.E.	INVERT ELEVATION	W/	WITH
	IKON PIN FOUND	V V V I⊤	VULULU VVINL FADRIG
JT	JOINT		
-		XFMR	TRANSFORMER
KW	KILOWATT		
		YH	YARD HYDRANT
		°C	DEGREES CENTIGRADE
		°F	DEGREES FAHRENHEIT





_____ _____ G _____ ——— UE ——— ———— FO ——— \longrightarrow SS \longrightarrow ------ W ------_____ —× ——× — ۰Å \rightarrow Ø _0_ (W) (\mathbb{S}) E S E \checkmark EL

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LEGEND

GUARD RAIL	\land	CONTROL/TRAVERSE POINT
STORM SEWER	FFE	FINISHED FLOOR ELEVATION
OVERHEAD ELECTRIC	INV.	INVERT ELEVATION
GAS LINE	RCP	REINFORCED CONCRETE PIF
UNDERGROUND ELECTRIC	CMP	CORRUGATED METAL PIPE
FIBER OPTIC	VCP	
SANITARY SEWER LINE	DIF YI	YARD INI FT
WATER LINE	-20.5	SPOT ELEVATION
CURB & GUTTER	X QJC	
CHAIN LINK FENCE	\bigcirc	TELEPHONE MANHOLE
LIGHT POLE (LP)	\bowtie	GAS VALVE (GV)
GUY WIRE	G	GAS METER (GM)
UTILITY/POWER POLE (UP)(PP)(PTP)		TREES
BORE HOLE		
SIGN		
	(WV)	WATER VAULT
FIRE HYDRANT (FH)		HEADWALL (HW)
CLEAN OUT (CO)		FLARED END SECTION (FES)
WATER MANHOLE		DOUBLE WING CATCHBASIN
SANITARY SEWER MANHOLE (SSMH)		SINGLE WING CATCHBASIN
STORM DRAIN MANHOLE (STMH)		
CURB INLET (CI)		MAJOR CONTOUR
GRATE INLET-SQUARE (DI)	0	PROPERTY PIN FOUND
	\wedge	
I ERMINUS UNKNOWN	<u>/FO</u>	FIBER OPTIC PEDESTAL
ELECTRIC CABINET	FO	FIBER OPTIC CABINET
	FOBX	FIBER OPTIC BOX
CATHODIC PROTECTION TEST STATIC	N	



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	REV REV	ISION DATE	S BY	DEKALB COUNTY DWM
				SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT
- 4				LEGEND AND
ity				

GENERAL NOTES FOR WATER MAIN INSTALLATION

- 1. A PRECONSTRUCTION CONFERENCE MUST BE HELD WITH MEMBERS OF DEKALB DEPARTMENT OF WATERSHED MANAGEMENT (DWM) AND THE CONTRACTOR OF RECORD BEFORE ANY WORK CAN BE DONE ON SITE. CONTRACTOR TO NOTIFY DEKALB COUNTY PROJECT MANAGER 72 HOURS BEFORE THE BEGINNING OF EACH PHASE OF CONSTRUCTION.
- 2. ALL WORK SHALL COMPLY WITH THE LATEST EDITIONS OF MASTER SPECIFICATIONS AND DESIGN STANDARDS FOR DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT "POTABLE WATER MAIN, GRAVITY SANITARY SEWER, AND SANITARY SEWER AND FORCE MAIN DESIGN STANDARDS. IN ADDITION TO APPLICABLE STATE, FEDERAL, AND LOCAL CODES, ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS OWN EXPENSE UNLESS PREVIOUSLY OBTAINED BY DWM.
- DEVIATION FROM THESE PLANS WITHOUT THE PRIOR CONSENT OF DWM OR HIS REPRESENTATIVE OR THE ENGINEER MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE.
- 4. IF THE CONTRACTOR DAMAGES ANY EXISTING UTILITIES DURING CONSTRUCTION, HE SHALL, AT HIS OWN EXPENSE, HAVE REPLACED OR REPAIRED THE UTILITIES TO THEIR ORIGINAL OR BETTER CONDITION AND QUALITY, AS APPROVED BY THE REPRESENTATIVE OF THE APPROPRIATE UTILITY COMPANY.
- CONTRACTOR IS TO MEET ALL LOCAL UTILITY COMPANY REGULATIONS IN ANY FIELD ADJUSTMENT OR RELOCATION OF EXISTING SERVICES.
- CONTRACTOR SHALL ADJUST NEW PIPELINE LOCATION BASED ON FIELD CONDITIONS AND FIELD INSPECTOR REQUIREMENTS. ANY ADJUSTMENTS TO THE NEW PIPELINE LOCATION REQUIRE REVIEW AND APPROVAL FROM DWM AND DESIGN ENGINEER.
- 7. ALL EXISTING UTILITY LOCATIONS SHOWN, HORIZONTAL AND VERTICAL ARE APPROXIMATE. CONTRACTOR TO CONFIRM LOCATIONS PRIOR TO INSTALLATION OF PROPOSED IMPROVEMENTS.
- INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO AND CONCURRENT WITH LAND DISTURBING ACTIVITIES. ALL EROSION AND CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES AND SHALL BE INSPECTED REGULARLY USING THE EROSION AND SEDIMENT CONTROL CHECKLIST. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY THE OWNER.
- DRAINAGE SYSTEMS SHALL BE MAINTAINED, KEPT FREE OF DEBRIS, AND IN OPERATING CONDITION AT ALL TIMES DURING CONSTRUCTION OF THIS PROJECT. THIS MAY INCLUDE, BUT NOT LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR RE-GRADED AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN THE PLANS AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.
- 10. ALL SIGNS, MAILBOXES, FENCING, LANDSCAPING, ETC. SHALL BE PROTECTED DURING CONSTRUCTION. SHOULD IT BE REQUIRED TO REMOVE OR DISTURB SUCH ITEMS, THE CONTRACTOR SHALL SEEK APPROVAL FROM THE OWNER FIRST AND IF APPROVED, THE REMOVAL OR DISTURBANCE OF SUCH ITEMS WILL BE DONE AT NO ADDITIONAL COST TO THE OWNER. SHOULD THE OWNER DEEM ANY ITEMS AS DAMAGED, THE CONTRACTOR SHALL REPLACE THE ITEM IN LIKE AND KIND AT NO ADDITIONAL EXPENSE TO DEKALB COUNTY. TRANSPLANTED AND/OR REPLACED ITEMS SHALL BE GUARANTEED BY THE CONTRACTOR FOR ONE YEAR AFTER WORK IS COMPLETED. TRAFFIC CONTROL SIGNS AND MAIL BOXES SHALL BE REPLACED THE DAY OF THEIR REMOVAL.
- 11. CONTRACTOR SHALL FURNISH SUITABLE BORROW MATERIAL FOR THE PROJECT THAT SHALL BE APPROVED BY THE DEKALB DWM INSPECTOR PRIOR TO USE. ALL SPOIL MATERIALS, REFUSE, AND DEBRIS SHALL BE REMOVED FROM THE SITE BY THE CONTRACTOR AND LEGALLY DISPOSED OF AT AN APPROPRIATE OFFSITE LOCATION. BURNING OF REFUSE, DEBRIS, OR SPOIL MATERIAL AT THE PROJECT SITE IS NOT ALLOWED.
- 12. ALL PROJECT SITE AREAS DISTURBED BY CONTRACTOR OPERATIONS SHALL BE STABILIZED WITH PERMANENT GRASSING UNLESS OTHERWISE NOTED. PERMANENT GRASSING SHALL BE SOD UNLESS OTHERWISE SPECIFICALLY NOTED IN THE CONTRACT DOCUMENTS OR APPROVED BY THE OWNER. ANY AREAS OUTSIDE THE PROJECT SITE AREA THAT ARE DISTURBED SHALL BE RESTORED AT THE EXPENSE OF THE CONTRACTOR.
- 13. THE CONTRACTOR SHALL RESTORE ALL DISTURBED GRAVEL, PAVED, OR CONCRETE ENTRANCES, DRIVES, DRIVEWAYS, AND APRONS TO PRECONSTRUCTION CONDITIONS AND IN ACCORDANCE WITH APPLICABLE DOT AND DEKALB COUNTY STANDARDS AND REQUIREMENTS.
- 14. THE SIZE, TYPE, MATERIALS, AND LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE BASED THE BEST AVAILABLE INFORMATION. SUBSURFACE UTILITY INFORMATION SHOWN IS APPROXIMATE ONLY AND NO GUARANTEE IS MADE THAT ALL UTILITIES AND OTHER FEATURES ARE REPRESENTED ON THE PLANS ARE CORRECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION AND SIZE OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- 15. IF THE CONTRACTOR ENCOUNTERS SUBSURFACE CONDITIONS DIFFERENT FROM THOSE SHOWN ON THE PLANS, HE SHALL IMMEDIATELY NOTIFY THE OWNER AND ENGINEER. NO EXISTING UTILITY SHALL BE DISTURBED WITHOUT PROPERTY AUTHORITY AND THEN ONLY IN SUCH A MANNER AS PRESCRIBED AND APPROVED BY THE OWNER OF THE EXISTING UTILITY.
- 16. SHOULD IT BECOME NECESSARY TO DISTURB AN EXISTING UTILITY, THE CONTRACTOR IS TO NOTIFY THE OWNER AND THE OWNER OF THE UTILITY WHEN NECESSARY. CONTRACTOR IS TO CEASE WORK UNTIL SATISFACTORY ARRANGEMENTS HAVE BEEN MADE WITH THE UTILITY OWNER TO PROPERLY CARE FOR AND RELOCATE THE UTILITY. NO CLAIMS SHALL BE ALLOWED THE CONTRACTOR ON ACCOUNT OF ANY DELAY OCCASIONED THEREBY.
- 17. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES FROM DAMAGE. ANY DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. EITHER THE CONTRACTOR OR UTILITY OWNER WILL PERFORM THE REPAIR AT THE DISCRETION OF THE UTILITY OWNER. NO CLAIMS FOR DAMAGES SHALL BE ALLOWED THE CONTRACTOR ON ACCOUNT OF ANY DELAY OCCASIONED THEREBY.
- 18. THE CONTRACTOR SHALL PROVIDE ALL PIPE FITTINGS AND APPURTENANCES REQUIRED FOR THE COMPLETE INSTALLATION OF THE PROPOSED PIPELINE, WHETHER OR NOT SUCH ITEMS ARE SHOWN OR CALLED OUT ON THE PLANS. THE CONTRACTOR IS ADVISED THAT FIELD ADJUSTMENTS MAY BE REQUIRED BASED ON ACTUAL SUBSURFACE CONDITIONS AND LOCATIONS OF EXISTING BURIED UTILITIES ENCOUNTERED DURING CONSTRUCTION. THE CONTRACTOR SHALL NOT RECEIVE ANY ADDITIONAL PAYMENT OR TIME EXTENSION FOR ITEMS NOT BEING SHOWN IN PLANS OR FOR FIELD ADJUSTMENTS MADE DUE TO ACTUAL SUBSURFACE CONDITIONS AND UTILITY LOCATION.
- 19. AT COMPLETION OF CONSTRUCTION, ALL VALVE BOXES, METERS, AND APPURTENANCES SHALL BE SET FOR PROPER FINISH GRADE. PRECAST STRUCTURES, MANHOLE FRAMES AND COVERS ARE TO BE SET FLUSH WITH FINISHED GRADE UNLESS OTHERWISE INDICATED IN THE PLANS OR SPECIFICATIONS.

ADDITIONAL NOTES

- PROPERTY.

- STANDARDS.

No.026753 FOFESSIONAL 4/26/2021



ADDITIONAL NOTES

- OFFLINE FOR REPLACEMENT.

1. THE CONTRACTOR IS REQUIRED TO PERFORM PRE-CONSTRUCTION VIDEO OF THE ENTIRE CONSTRUCTION AREA PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR SHALL REPAIR ANY DAMAGED PROPERTY WITHIN THEIR CONSTRUCTION AREA THAT DIFFERS OR IS NOT SHOWN ON THE PRE-CONSTRUCTION VIDEO.

2. TRENCH DEWATERING DIRECTLY INTO A STREAM IS PROHIBITED. ALL DEWATERING MUST BE FILTERED THROUGH METHODS DEFINED IN THE MANUAL FOR SEDIMENT AND EROSION CONTROL IN GEORGIA, LATEST EDITION.

3. CONTRACTOR IS RESPONSIBLE FOR THE HORIZONTAL/VERTICAL LOCATING OF EXISTING UTILITIES (INCLUDING ANY UTILITIES NOT SHOWN ON PLANS) AND MAINTAINING UTILITY SERVICES AND SHALL REPAIR AND/OR REPLACE ANY DAMAGED SERVICES AS SOON AS POSSIBLE.

4. STORM WATER MANAGEMENT FOR THIS PROJECT IS PROVIDED ON-SITE. STORM WATER MANAGEMENT FOR THIS PROJECT CONSISTS OF TEMPORARY EROSION AND SEDIMENT CONTROLS TO BE INSTALLED DURING THE PROPOSED WORK. AT THE COMPLETION OF THE PROJECT THE TEMPORARY MEASURE SHALL BE REMOVED.

5. THERE SHALL BE NO INCREASE IN FLOWS OR COMPENSATION IN OTHER DRAINAGE AREAS, WHICH RESULT IN AN INCREASED PEAK DISCHARGE ONTO ADJACENT

6. THE CONTRACTOR IS RESPONSIBLE FOR ALL SITE SAFETY AS WELL AS THE WAYS, MEANS AND METHODS OF CONSTRUCTION.

WHERE CONCRETE IS USED FOR BLOCKING, SUPPORTING, BACKFILLING, OR ANY APPLICATION WHERE IT MAY CONTACT PROPOSED OR EXISTING FITTINGS OR VALVES, THE FITTING OR VALVE SHALL BE WRAPPED IN POLYETHYLENE TO PREVENT BONDING.

8. ALL VALVES SHALL BE PROVIDED WITH VALVE BOX AND SHALL BE MARKED BY CONCRETE VALVE MARKERS.

9. CONTRACTOR SHALL PROVIDE PROPER RESTRAINT NECESSARY FOR PRESSURE TESTING.

10. WATER AND SEWER FEES NEED TO BE PAID BY THE CONTRACTOR UNDER THE FOLLOWING CIRCUMSTANCES: NEW CONSTRUCTION, REDEVELOPMENT, ADDITIONS, CHANGE OF USE, ETC. CONTRACTOR TO DETERMINE COST PRIOR TO BID AND INCLUDE INCIDENTAL TO THE WORK. THESE FEES ARE PAID AT 330 W. PONCE DE LEON AVENUE, 2ND FLOOR. FAILURE TO SETTLE THESE FEES SHALL RESULT IN DELAYS FOR OBTAINING WATER AND SEWER APPROVAL. CALL (404) 371-4918 FOR FEE CALCULATIONS OR ANY QUESTIONS.

11. FIELD CHANGES DURING CONSTRUCTION MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE DWM ENGINEER / PROJECT MANAGER BEFORE CHANGES ARE IMPLEMENTED.

12. ALL ITEMS WHICH MUST BE REMOVED DURING CONSTRUCTION AND ARE NOT SPECIFICALLY SHOWN TO BE PAID FOR OTHERWISE, SHALL BE REMOVED AND PAID FOR IN THE UNIT PRICE BID FOR WATER MAIN. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION.

13. CONTRACTOR TO SEQUENCE WATER MAIN INSTALLATION SO AS NOT TO DAMAGE EXISTING UTILITIES AND/OR DISRUPT EXISTING SERVICE.

14. THE CONTRACTOR IS TO MAINTAIN COMPLETE RECORDS AS LINE-WORK PROGRESSES AND SUBMIT WITH MONTHLY PAY APPLICATION

15. USE BEDDING AS RECOMMENDED PER STANDARD. BEDDING SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT. COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR WATER MAINS. NO CLAIM WILL BE CONSIDERED FOR EXTRA COMPENSATION.

16. THE CONTRACTOR IS REQUIRED TO NOTIFY, IN ADVANCE IN WRITING, ALL RESIDENTS IN THE AREA AFFECTED BY THE WORK TO BE PERFORMED. THE NOTICE SHALL SHOW THE STARTING AND FINISHING DATES.

17. PLUG OF EXISTING WATER MAINS SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT. COST SHALL BE INCLUDED IN OTHER WORK. NO CLAIMS WILL BE CONSIDERED FOR EXTRA COMPENSATION.

18. ALL PROPOSED PIPE AND FITTINGS SHALL HAVE RESTRAINED JOINTS. THRUST BLOCKS ARE REQUIRED AT CONNECTIONS TO EXISTING WATER MAINS AS SHOWN OR WHERE UNBALANCED FORCES ARE PRESENT.

19. ALL MANHOLES LOCATED WITHIN ROADWAYS SHALL BE INSTALLED WITH CONCRETE COLLARS AND TRAFFIC RATED MANHOLE FRAMES AND COVERS PER GDOT

TRAFFIC CONTROL NOTES

1. ALL CONSTRUCTION IS TO BE PERFORMED WITHIN THE CURRENT APPLICABLE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARDS. THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES - PART 6 - TEMPORARY TRAFFIC CONTROL AND GDOT PLAN SPECIFICATIONS.

2. ALL TRAFFIC CONTROL DEVICES SHALL AS APPROVED BY DEKALB COUNTY. ADDITIONAL DEVICES MAY BE REQUIRED AS DIRECTED BY DEKALB COUNTY WITHIN THE DEPARTMENT OF WATERSHED MANAGEMENT.

3. TRAFFIC CONTROL PLAN, SIGNAGE PLAN, DETOUR PLAN, ALL RELATED DRAINAGE, DETAILS AND OTHER REQUIREMENTS SHALL BE PROVIDED BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR OBTAINING APPROVAL OF ALL TRAFFIC MANAGEMENT PLANS FROM APPLICABLE AGENCIES PRIOR TO CONSTRUCTION.

4. ACCESS SHALL BE MAINTAINED AT ALL TIMES TO SIDE STREETS AND DRIVEWAYS.

5. THE CONTRACTOR SHALL MAINTAIN ADEQUATE POSITIVE DRAINAGE AT ALL TIMES.

6. WHEN THE CONSTRUCTION AREA HAS INTERSECTIONS, WORK WILL BE PERFORMED IN SUCH A MANNER TO PERMIT TRAFFIC TO OPERATE WITH THE LEAST AMOUNT OF INCONVENIENCE AS POSSIBLE. ADDITIONAL CHANNELIZATION AND SIGNING SHALL BE INSTALLED, AS REQUIRED, TO ALLOW TRAFFIC TO REMAIN AS OPERATIONAL AS POSSIBLE. WHEN ENTRANCE RAMPS/INTERSECTIONS ARE INOPERABLE, FLAGGERS WILL BE UTILIZED TO CONTROL AND PROHIBIT MOVEMENT INTO THE PROJECT AT THAT POINT UNTIL CONSTRUCTION HAS CLEARED THE RESTRICTION SUFFICIENT TO RETURN TO OPERATIONAL STATUS.

7. WORK SPACE SHALL BE LIMITED TO THE SHORTEST DISTANCE PRACTICAL FOR THE DAY'S CONSTRUCTION ACTIVITY. WORK AREA NOT TO EXCEED 400' UNLESS APPROVED BY DEKALB COUNTY.

8. CONTRACTOR TO PROVIDE A MINIMUM OF TWO ELECTRONIC CHANGEABLE MESSAGE SIGNS THROUGHOUT THE PROJECT.

9. CONTRACTOR SHALL PROVIDE NIGHT WATCHMAN IF SIGNALS ARE PROVIDED AND PROVIDE FLAG CONTROL, IF NECESSARY.

10. CONTRACTOR TO COORDINATE WITH DEKALB COUNTY BOARD OF EDUCATION AND EMERGENCY RESPONSE

11. WHERE FLAGGERS ARE PROVIDED. CONTRACTOR SHALL MAINTAIN A MINIMUM OF TWO CERTIFIED FLAGGERS AT ALL TIMES.

12. ON NO OCCASION SHALL TRAFFIC BE DETOURED ONTO RESIDENTIAL SUBDIVISION STREETS.

13. TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT.

14. ROADWAY PAVEMENT SPECIFICATIONS AND CURB AND GUTTER DETAIL MUST MEET DEKALB COUNTY STANDARDS.

15. CONTRACTOR IS TO PROVIDE DEKALB COUNTY ENCROACHMENT PERMIT FOR ALL WORK WITHIN THE RIGHT-OF-WAY. ANY TRAFFIC SIGNAL OR UTILITY RELOCATIONS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

16. ALL UTILITY LOCATES AND RELOCATIONS AND/OR DAMAGE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR MUST CONTACT DEKALB COUNTY LOCATE PERSONNEL DIRECTLY FOR THE TRAFFIC SIGNAL LOCATES.

17. CONTRACTOR TO MAINTAIN SIDEWALK CONTINUITY THROUGHOUT THE CONSTRUCTION ZONE. SIGNAGE TO BE PROVIDED THROUGH MUTCD PART VI.

18. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF ALL DAMAGED TRAFFIC SIGNAL LOOPS.

19. CONTRACTOR IS RESPONSIBLE FOR REPLACEMENT OF CURB AND GUTTER THAT IS DAMAGED DURING CONSTRUCTION

20. ALL STRIPING MUST BE REPLACED WITH THERMOPLASTIC PAINT.

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	RE V	ISION DATE	3				
	REV	DATE	BY	SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT			
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nty				DRAWING No.			
				G-02			

REVISION DATES

100% SUBMITTAL

1. THE CONTRACTOR SHALL SUBMIT, FOR THE OWNER AND ENGINEERS REVIEW, A SEQUENCING PLAN SHOWING THE PROPOSED SEQUENCE OF WORK TO BE COMPLETED. 2. THE CONTRACTOR SHALL CONNECT ALL EXISTING SERVICE LINES ON THE 30" WATER MAIN TO THE EXISTING DISTRIBUTION MAIN PRIOR TO TAKING THE 30" WATER MAIN











(2) RECONNECT SHORT SIDE SEI ③ PLUG EXISTING WATER MAIN

EXPIRATION DATE: 06/30/2022

1600 Riveredge Parkway, Suite 700 Atlanta, Ga 30328 P: 770-933-0280



X. 8" NIN BLE FILL 18" SANITAR NDON EX. 30" WATER MAIN DWABLE FILL EOP PAV (SH/ 10 COSED 12" WATER MAIN DPOSED 12" WATER MAIN DPOSED 30" DI ER MAIN VICE RVICE	8" CI WATER Y SEWER	R MAIN	2-24" STEEL GAS MAINS 1 	MAINTAIN EXISTING FIRE HYDRANT SEE DETAIL 6/SD-03 EX. FH 2 CONNECT TO EXISTING 6" WATER MAIN 6" GATE VALVE & BOX 2-6" 45° BENDS 6" DIP AS REQUIRED 6" DIP AS REQUIRED 6" ATE VALVE & BOX 2-6" 45° BENDS 6" DIP AS REQUIRED CONNECT TO EXISTING 10 0 0 12 CONNECT TO EXISTING 10 0 0 0 0 12 CONNECT TO EXISTING 10 0 0 0 0 12 CONNECT TO EXISTING 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 MATCHLINE P-02		
9+	+50				0 12+00 948 944 (H 940 936 936 937 938 932 928 928 924 924 920 920 916 912 908	Elevation	
11 E VALVE 908 91 904 925 9+50 9+75 10+00 10+25 10+50 10+75 11+00 11+25 11+50 11+75 12+00 904 900 904 904 900 9+25 9+50 9+75 10+00 10+25 10+75 11+00 11+25 11+50 11+75 12+00 11LE IRON PIPING AND FITTINGS SHALL BE RESTRAINED JOINTS. MCROSSINGS SHALL BE INSTALLED WITH CLASS A BEDDING WITH 900 900 12+000 10+00 10+25 10+50 10+75 11+00 11+25 11+50 11+75 12+00 12+00 10+00 10+25 10+50 10+75 11+00 11+25 11+25 12+00 12+00 10+25 10+25 10+25 10+25 11+10 11+25 11+25 12+00 12+00 10+25 10+25 10+25 10+25 10+25 12+00 12+00 12+00 10+25 10+25 10+25 10+25 12+00 12+00 12+10 11+25							
nty	REV 1 2	EVISION D DAT 1/29/2 4/26/2	ATES E BY 21 MW & PS 21 MW & PS	DEKA scott boulevard pha PLAN	ALB COUNT se 11 water main N & PRC	T DWM REPLACEMENT PROJECT OFILE DRAWING No. P-01	





















PLAN STATION 23+00 TO STATION 34+00 SCALE: 1"=40'



ATKINS NORTH AMERICA INC. CERTIFICATE OF AUTHORIZATION # PEF000902 EXPIRATION DATE: 06/30/2022

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Atlanta, Ga 30328

P: 770-933-0280













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ATKINS 1600 Riveredge Parkway, Suite 700 Atlanta, Ga 30328 P: 770-933-0280



	INV. OUT=937.5 - INV. IN=937.6							
	INV. IN=939.9	. 12" SANITARY WER		X. 8" CI VATER MAIN		-05		
PAVING LIN	AITS EOF REA) REMO					LINE P		
30" GATE VALVE IN ACCESS MANHOLE			-3030			IATCH		
STA. 42+05 OX W/	SED 30" DIP			12" X 6" TEE FIRE HYDRANT 6" GATE VALVE DIP AS REQUI EE DETAIL 6/SE	AND BOX RED -03	2		
PEEK IRIB	UTARY							
<u>KEY NOTES</u> (1) RECONNECT LONG SIDE SE (2) RECONNECT SHORT SIDE S (3) PLUG EXISTING WATER MA	ERVICE SERVICE IN		(0' 20 GR Sca	APHIC SO	80 CALE 40 Ft.	120	
42+50 43+0	00 43+	50 4	14+00	44+50	45+	00 960 956		
						952 948 944 C		
						940 Blevatio		
30" GATE VALVE IN ACCESS MANHOLE STA. 42+05 MH RIM ELEV. 945±						932 928 924		
42+25 42+50 42+75 43+0	43+25 43+3 00	50 43+75 ₂	44+2 44+00	25 44+50	⁴⁴⁺⁷⁵ 45+	920 916 00		
OTES: 1. ALL DUCTILE IRON P	IPING AND FIT	TINGS SHAL	L BE REST		INTS.			
 ALL STORM CROSSIF FLOWABLE FILL, EXT SHEET SD-03. PIPE SHALL HAVE DO SHALL BE EBAA IRON 	NGS SHALL BE 'ENDING 5' BE' DUBLE RESTRA N 1100TDM OR	AINT AT ALLED	WITH CLA SIDE OF C FITTINGS EQUAL.	AND VALVE	NG WITH SEE DETAI S. RESTRA	L 4, AINT		
 WHERE THE EXISTIN EXISTING PIPE AND I ALL PAVEMENT SHAI VARIANCES FROM TI WATER MAINS AS SE 	IG AND PROPO REPLACE WITH LL BE REPAIRH HE 1' TYPICAL HOWN IN DETA	DSED WATER H PROPOSEL ED PER DET/ VERTICAL S	R MAIN AR 0 30" WATE AIL 7, SHEE EPARATIC SD-04 ARE	E IN CONFL ER MAIN. ET SD-02. N OF THE F ACCEPTAR	CT, REMO ROPOSED	DVE		
 UTILITY CROSSINGS 7. ALL PROPOSED BRANCE 8. AREAS WITHIN THIS FLOODPLAIN PER FE FLOODPLAIN ARE EX 	WITH MINIMUL CH LINES ARE TO LIMITS OF THI MA FIRM PAN	M CLEARANC O BE BONDEI S SHEET AR EL 13089C00	CE REQUIF), SEE DETA E LOCATE 67K. NO IN	REMENTS. AIL 2, SHEET D WITHIN T IPACTS TO	⁻ SP-02. HE 100 YE/ THE	AR	100% SL	JBMITTAL
	REVIS REV	SION DATES DATE 1/29/21 1	BY MW & PS	SCOTT BO	DE ulevard f	EKALB (phase w	COUNTY DWM	MENT PROJECT
lb County	2	4/26/21 I	WW & PS		PL/	AN &	PROFIL	DRAWING No.
ORGIA								P-04







ONNECT TO EXISTING WATER MAIN 8" X 6" REDUCER 8" 45° BENDS	99
MAINTAIN EXISTING EX. SSMH RIM=953.69 IRE HYDRANT 12" INV. IN=943.1 IX. FH INV. OUT=942.7 12" INV. OUT=943.1 Image: state st	
12" X 8" TEE 8" GATE VALVE & BOX 54+00 EX. 30" STEEL CHADED AREA)	30" GATE VALVE IN ACCESS MANHOLE SEE DETAILS
E- GREEK 1-12" X 6" TEE 1-FIRE HYDRANT WITH RISER 1-6" GATE VALVE AND BOX 6" DIP AS REQUIRED SEE DETAIL 6/SD-03 STATE STREAM BUFFER 0' 20	T CTS-6 FLUSH-TO-GRADE OUPON TEST STATION, EE DETAIL 1, SHEET SP-01 0" CTS-6 FLUSH-TO-GRADE COUPON TEST STATION, EE DETAIL 1, SHEET SP-01 40 80 120
RVICE (GRAPHIC SCALE Scale: 1 Inch = 40 Ft.
54+00 54+50 55+00	55+50 56+00 960 956 956 952 948
18" MIN. 30" GATE VALVE I ACCESS MANHOL STA. 55+4 MH RIM ELEV. 954	944 940 940 936 936 932 932 932 932 932
54+00 54+25 54+50 54+75 55+00 55+25	924 920 920 916 55+50 55+75 56+00
I PIPING AND FITTINGS SHALL BE RESTRAIN SINGS SHALL BE INSTALLED WITH CLASS A I XTENDING 5' BEYOND EACH SIDE OF CROSS DOUBLE RESTRAINT AT ALL FITTINGS AND V ON 1100TDM OR APPROVED EQUAL. TING AND PROPOSED WATER MAIN ARE IN C	ED JOINTS. BEDDING WITH SING, SEE DETAIL 4, /ALVES. RESTRAINT CONFLICT, REMOVE
D REPLACE WITH PROPOSED 30" WATER MA IALL BE REPAIRED PER DETAIL 7, SHEET SD THE 1' TYPICAL VERTICAL SEPARATION OF SHOWN IN DETAIL 6, SHEET SD-04 ARE ACCI MINIMUM CLEARANCE REQUIREMENTS. NCH LINES ARE TO BE BONDED, SEE DETAIL 2, S IS LIMITS OF THIS SHEET ARE LOCATED WIT FEMA FIRM PANEL 13089C0067K. NO IMPACT EXPECTED.	AIN. -02. THE PROPOSED EPTABLE AT UTILITY SHEET SP-02. THIN THE 100 YEAR TS TO THE 100% SUBMITTAL
REVISION DATES REV DATE BY 1 1/29/21 MW & PS	DEKALB COUNTY DWM SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT
nty	PLAN & PROFILE DRAWING No. P-05











ATKINS NORTH AMERICA INC. CERTIFICATE OF AUTHORIZATION # PEF000902 EXPIRATION DATE: 06/30/2022

ATKINS 1600 Riveredge Parkway, Suite 700

Atlanta, Ga 30328 P: 770-933-0280



	- ABANDON EX. 8" CI WATER MAIN WITH FLOWABLE FIL	15,	
REPLACE I FIRE HYDR SEE DETAI	EXISTING CANT IL 6/SD-03		
		1-30" CAP-68	-M
EX. 30" STEFI	STEEL WATER MAIN WITH FLOWABLE FILL	E CONTRACTOR	
-12" X 6" TEE PAVING (SHADE	LIMITS D AREA)	EOP 0 12" GATE VALVE SEE DETAIL 7/SD-01	
	GAS MAIN	EX. 8" DIP WATER MAIN	
R/W EOP 30" 22.5° BEND	60+00 EX. 10' X 10' CULVERT		
STA. 65+55 12" 22.5° BEND 	30" 45.0° BEND STA. 65+90 -12" 45° BEND		
1-FIRE HYDRANT 1-6" GATE VALVE AND BOX 6" DIP AS REQUIRED SEE DETAIL 6/SD-03	Y NOTES 1) RECONNECT LONG SIDE SERVICE 2) RECONNECT SHORT SIDE SERVICE	0' 20 40 80 GRAPHIC SCA	120 LE
		Scale: 1 Inch = 40 F	-t.
64150 65100	65,50 66,00 66	150 67100 67150 68100	
		$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	
EX. 8 DD TAX SEV		972 <u>A A A A A A A A A A A A A A A A A A A </u>	
		964	tion
18" MIN.		956	Eleva
		952	
	30" 22.5° BEND STA. 65+55	944	
64+25 64+50 64+75 65+00 ⁶⁵⁺²⁴	⁵ 65+50 65+75 66+00 ⁶⁶⁺²⁵ 66	+50 66+75 67+00 67+25 67+50 67+75 68+00 936	
OTES: 1. ALL DUCTILE IRON PIPING AN	ND FITTINGS SHALL BE RESTRAINE	D JOINTS.	
 ALL STORM CROSSINGS SHA EXTENDING 5' BEYOND EACH PIPE SHALL HAVE DOUBLE R 	LL BE INSTALLED WITH CLASS A BI SIDE OF CROSSING, SEE DETAIL 4 ESTRAINT AT ALL FITTINGS AND V	EDDING WITH FLOWABLE FILL, 4, SHEET SD-03. ALVES. RESTRAINT SHALL BE	
 4. WHERE THE EXISTING AND F PIPE AND REPLACE WITH PR 5. ALL PAVEMENT SHALL BE RE 	POVED EQUAL. PROPOSED WATER MAIN ARE IN CC OPOSED 30" WATER MAIN. PAIRED PER DETAIL 7, SHEET SD-(ONFLICT, REMOVE EXISTING	
6. VARIANCES FROM THE 1' TYL AS SHOWN IN DETAIL 6, SHE MINIMUM CLEARANCE REQU	PICAL VERTICAL SEPARATION OF T ET SD-04 ARE ACCEPTABLE AT UTI IREMENTS.	HE PROPOSED WATER MAINS LITY CROSSINGS WITH	
 ALL PROPOSED BRANCH LINES AREAS WITHIN THIS LIMITS C PER FEMA FIRM PANEL 13089 	ARE TO BE BONDED, SEE DETAIL 2, SE F THIS SHEET ARE LOCATED WITH 9C0067K. NO IMPACTS TO THE FLO DEVISION DATES	HEET SP-02. IIN THE 100 YEAR FLOODPLAIN 100% ODPLAIN ARE EXPECTED.	SUBMITTAL
	REV DATE11/29/21MW & PS	DEKALB COUNTY DV SCOTT BOULEVARD PHASE II WATER MAIN REPL	VM .acement project
Kalh County	2 4/26/21 MW & PS	PLAN & PROF	ILE
GEORGIA			DRAWING No. P-06







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						956		
		77, 25	77	50 77	7.75	952		
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	HALL SSING ALL FI TER M ATER DETAIL ACCE IDED, ARE MPAC	BE R /ITH (G, SE ITTIN MAIN R MAI L 7, S PARA PARA SEE D LOCA TS TC	ESTI CLAS E DE GS A ARE N. HEE TION BLE A DETAI	RAINEE SS A BE TAIL 4 ND VA IN COI T SD-0 N OF TH AT UTIL IL 2, SH O WITHI E FLOC	D JOINT EDDING , SHEET LVES. F NFLICT, 2. HE PRO ITY CRO IEET SP IN THE DDPLAIN	S. WITH SD-C RESTF , REM POSE OSSIN 2-02. 100 Y N ARE	H FLOWABI 03. RAINT SHA IOVE EXIS ^T ED WATER NGS WITH EAR FLOO E EXPECTE	BLE FILL, IALL BE STING R MAINS H MINIMUM ODPLAIN ED. 100% SUBMITTAL
				REV	<u>ISION E</u>	<u>DATES</u>	5	DEKALE COUNTY DWM
			R	<u>EV</u>	<u> D</u> A1	ΓΕ	<u>BY</u>	
				1	1/29/	/21	MW & PS	
				2	4/26/	/21	MW & PS	S
								_ PLAN & PROFILE
1	ntr	V						
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M								









SCALE: 1"=40'

PROFILE STATION 78+00 TO STATION 88+00

SCALE: 1"=40' HORZ 1"=10' VERT

ATKINS NORTH AMERICA INC. CERTIFICATE OF AUTHORIZATION # PEF000902

EXPIRATION DATE: 06/30/2022

ATKINS 1600 Riveredge Parkway, Suite 700 Atlanta, Ga 30328 P: 770-933-0280



NOTES:

- 1. ALL DUCTILE IRON PIPING AND FIT 2. ALL STORM CROSSINGS SHALL BE
- FILL, EXTENDING 5' BEYOND EACH
- 3. PIPE SHALL HAVE DOUBLE RESTRA SHALL BE EBAA IRON 1100TDM OR
- 4. WHERE THE EXISTING AND PROPC
- EXISTING PIPE AND REPLACE WITH
- 5. ALL PAVEMENT SHALL BE REPAIRE
- VARIANCES FROM THE 1' TYPICAL MAINS AS SHOWN IN DETAIL 6, SHE
- WITH MINIMUM CLEARANCE REQU 7. ALL PROPOSED BRANCH LINES ARE

N ADE , -01 -01 -01 -01 -01 -01 -01 -01 -01 -01	1-12" > 1-6" G 6" DIP 87+00 X. 30" STEEL X. 30" STEEL RIM=1003 INV. IN=99 INV. OUT= 0 NT TEE OUPLING E AND BOX T D-03 S EX. 6" VE 0'	C 6" TEE ATE VALVE AN AS REQUIRED PAVING LIMI (SHADED AF 12" SEE 10' 20 4 20 20 40 CRAP Scale:	D BOX TS REA) GATE VALVE DETAIL 7/SD-0 BO BO BO BO BO BO BO BO BO	
86+50	87+00	87-	-50 	 88 00 1016 1012 1008 1004 1000 996 992 988 984 984 980 976 972 968
TINGS SHA 86+50 86+7 86+50 86+7 TINGS SHA INSTALLEI SIDE OF C AINT AT ALI APPROVEI DSED WATE PROPOSE D PER DE VERTICAL ET SD-04 / IREMENTS. TO BE BONI	25 87+00 25 87+00 25 87+00 26 WITH CL 27 ROSSING, 27 FITTINGS 27 EQUAL. 28 MAIN AF 29 30" WAT 29 30" WAT 20 400 WAT	BTRAINED JO BTRAINED JO ASS A BEDI SEE DETAIL SAND VALV RE IN CONF FER MAIN. EET SD-02. ON OF THE PTABLE AT ETAIL 2, SHE	OINTS. DING WITH F L 4, SHEET S ES. RESTRA LICT, REMOV PROPOSED UTILITY CRO	964 960 88+00 FLOWABLE SD-03. INT VE WATER DSSINGS 100% SUBMITTAL
	REV 1	/ISION DAT DATE 1/29/21	ES BY Mw & ps	DEKALB COUNTY DWM SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT
nty				PLAN & PRUFILE DRAWING NO. P-08



- 2. ALL STORM CROSSINGS SHALL BE INSTALLED WITH CLASS A BEDDING WITH FLOWABLE FILL, EXTENDING 5' BEYOND EACH SIDE OF CROSSING, SEE DETAIL 4,
- 3. PIPE SHALL HAVE DOUBLE RESTRAINT AT ALL FITTINGS AND VALVES. RESTRAINT
- 4. ALL PIPES REQUIRING ENCASEMENT SHALL BE ENCASED WITH SPACERS AND NON-SHRINK GROUT AT BOTH ENDS OR FILL VOID BETWEEN PIPE AND CASING
- 5. LIMIT JOINT DEFLECTION TO 2° PER JOINT. MAXIMUM ALLOWABLE 8" OFFSET PER
- 6. WHERE THE EXISTING AND PROPOSED WATER MAIN ARE IN CONFLICT, REMOVE
- 8. VARIANCES FROM THE 1' TYPICAL VERTICAL SEPARATION OF THE PROPOSED WATER MAINS AS SHOWN IN DETAIL 6, SHEET SD-04 ARE ACCEPTABLE AT UTILITY
- 9. FOR ADDITIONAL SITE INFORMATION, REFER TO GATEWAY DECATUR PROJECT
- 10. ALL PROPOSED BRANCH LINES ARE TO BE BONDED, SEE DETAIL 2, SHEET SP-02.

				100% 501	SMITIAL
	REV REV 1	SION DATE DATE 1/29/21	S BY Mw & ps	DEKALB COUNTY DWM SCOTT BOULEVARD PHASE II WATER MAIN REPLACEM	ENT PROJECT
ntu				PLAN & PROFILE	Ē
iity					DRAWING No. P-09

1-CONNECT TO EXISTING 8"-WATER MAIN 1-8" SOLID SLEEVE 1-8" 90° BEND 1-8" GATE VALVE & BOX







SCALE: 1"=40'

NOTES:

- SHALL BE EBAA IRON 1100TDM OR APPROVED EQUAL.
- 3. ALL PAVEMENT SHALL BE REPAIRED PER DETAIL 7, SHEET SD-02.
- CROSSINGS WITH MINIMUM CLEARANCE REQUIREMENTS. 5. ALL PROPOSED BRANCH LINES ARE TO BE BONDED, SEE DETAIL 2, SHEET SP-02.

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GRAPHIC SCALE Scale: 1 Inch = 40 Ft.

1. ALL DUCTILE IRON PIPING AND FITTINGS SHALL BE RESTRAINED JOINTS. 2. PIPE SHALL HAVE DOUBLE RESTRAINT AT ALL FITTINGS AND VALVES. RESTRAINT

4. VARIANCES FROM THE 1' TYPICAL VERTICAL SEPARATION OF THE PROPOSED

WATER MAINS AS SHOWN IN DETAIL 6, SHEET SD-04 ARE ACCEPTABLE AT UTILITY

100% SUBMITTAL

	REVI	SION DATE	S	DEKALB COUNTY DWM		
	REV	DATE	BY	SCOTT BOULEVARD PHASE II WATER MAIN REPLACEME		
	1	1/29/21	MW & PS	SCOTT DODELVARD THASE II WATER MAIN RELEACEME		
					/ /	
				12" VVATER MAIN PLAN	N VIEVV	
ntv					DRAWING No	
					D_1	
					F - IU	





 ALL PROPOSED 12" INTERCONNECTIONS AND MODIFICATIONS TO EX. 12" MAINS SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION OF THE 30" WM. TEMPORARY PLUG SHALL BE REMOVED AND CONNECTION TO 30" WM SHALL BE MADE AFTER CONSTRUCTION OF THE 30" WM IS COMPLETE.

KEY NOTES ① RECONNECT LONG SIDE SERVICE ② RECONNECT SHORT SIDE SERVICE ③ PLUG EXISTING WATER MAIN

100% SUBMITTAL

	REVISION DATES			DEKALR COUNTY DWM			
	REV	DATE	BY	SCOTT BOULEVARD PHASE II WATER MAIN REPLACEME	ENT PROJECT		
	1	4/26/21	MW & PS	Sooth Boolevand Thase II waten Main Nei Erdement Thoueot			
10				ENLARGED DETAILS			
ntv					DRAWING No		





TYPICAL GATE VALVE INSTALLATION FOR
16-INCHES AND BELOWTS16-INCHES AND BELOWNTS

DeKalb Count GEORGIA

CAST IRON MANHOLE	
DCDWN STANDARDS BRICK WORK PAVEMENT MAX)	
ASTM C478 ECCENTRIC CONE	
ASTM C478 4'-0" BARREL SECTION (AS REQUIRED) - 8'-0"Ø TRANSITION SLAB 2" SQUARE WRENCH NUT	
VALVE STEM SUPPORT SEE DETAIL 6 / THIS SHEET	
ASTM C478 8'-0"Ø RISER	
6" DRAIN -	
BY-PASS VALVE WRENCH NUT PIPE SUPPORT	
#57 STONE	
COMPACTED CONCRETE BASE COMPACTED SUBGRADE	
MANHOLE AND 30" GV	
DETAIL - SIDE VIEW	
FINISHED GRADE	
45° BEND (TYP.).	
NEW D.I.P. WATER MAIN	
WATER MAIN	
18" CLEAR(MIN.)	
ALTERNATIVE EXISTING STORM DRAIN	
NOTES:	
REALIGNMENT TO BE USED ONLY WHEN AUTHORIZED BY THE ENGINEER.	
WATER MAIN REALIGNMENT DETAIL 🕢	
NTS O	
100% SUBMITTA	
REVISION DATES DEKALB COUNTY DWM	-
REVISION DATES DEKALB COUNTY DWM REV DATE BY Scott boulevard phase II water main replacement project OTANDO ADD DOTEL	-
REVISION DATES DEKALB COUNTY DWM REV DATE BY SCOTT BOULEVARD PHASE II WATER MAIN REPLACEMENT PROJECT STANDARD DETAILS	-



24" x 24" x 6" THICK CONC. PAD

STAMP AS REQ'D

(SEE NOTE 1) -

TYP. EACH VALVE BOX. ----

#4 BARS ALL

J 3" DIA. BRONZE

DISC ANCHORED IN

3" DIA. BRONZE DISC ANCHORED IN CONC. PAD

STEEL PLATE INSTALLATION DETAIL

- DCDWM'S WRITTEN APPROVAL 8. WARNING SIGNS ADVISING MOTORIST THAT THEY SHOULD EXPECT TO ENCOUNTER STEEL PLATES SHALL BE PLACED APPROXIMATELY 100 FEET IN ADVANCE OF THE STEEL
- PATCHING INSTALLED.

- EXCAVATION MEETING THE MINIMUM COMPACTION REQUIREMENTS AND PERMANENT 7. ANY DITCH LINE NEEDING A STEEL PLATE LONGER THAN 30 DAYS SHALL REQUIRE
- OF THE STEEL PLATE. 6. THE STEEL PLATE SHALL BE REMOVED WITHIN 30 DAYS OF PLACEMENT WITH THE
- . TEMPORARY PAVING WITH A COLD ASPHALT MIX OR APPROVED EQUAL SHALL BE USED TO FEATHER EDGES OF THE PLATE TO FORM A WEDGED TAPER TO COVER THE EDGES

EXCAVATION SPAN

1. INSTALLATION SHALL BE USED IN AREAS WHERE BACKFILLING OPERATIONS OF AN

REQUIREMENTS AND PERMANENT PATCHING PLACEMENT WITHIN THE SAME DAY

EACH PLATE IS TO OVERLAP EXISTING PAVEMENT 12" MINIMUM IN EVERY DIRECTION

EXCAVATION IN THE ROADWAY CANNOT MEET THE MINIMUM COMPACTION

AND MULTIPLE PLATES SHALL ABUT AND BE SECURED TO EACH OTHER.

4. EACH STEEL PLATE SHALL BE ANCHORED SECURELY TO PREVENT MOVEMENT.

ALL EXCAVATIONS SHALL BE BACKFILLED WITHIN THE ROADWAY.

TEMPORARY ASPHALT

1" MIN. THICK STEEL PLATE

ON TOP OF EXIST. ASPHALT

WEDGE (ALL AROUND)-

MIN.

EXIST.

EXIST.

UTILITY LINE

GROUND-

ASPHALT-

NOTES:

(TYP.)

MIN.

PLATE

OVERLAP

(TYP.)

STEEL

PLATE

AHEAD

- BASE/SUBGRADE

GENERAL BACKFILL

- 4. ALL FORM BOARDS SHALL BE REMOVED PRIOR TO BACKFILL

- 1. ADDITIONAL REINFORCEMENTS SHALL BE AS SPECIFIED BY THE ENGINEER
- NOTES:

24

PIPE SIZE

(INCHES)

- . MINIMUM COMPRESSIVE STRENGTH FOR CONCRETE SHALL BE 3000 PSI.
- BASIS OF 2000 LBS/SF SOIL RESTRAINT BEARING

TRENCH LIMITS

AS REQUIRED @ THE CONCRETE, COLLAR

4" X 4" X 1/2" STEEL

#4 BARS

BEARING PLATE (TYP)-

UNDISTURBED EARTH-

INSTALL TIE RODS IN

1-1/2" PVC SLEEVE

- BEDDING, BACKFILL AND COMPACTION SHALL BE AS SPECIFIED ELSEWHERE IN THE STANDARDS

2.0 | 2.0 |

NTS **DeKalb** County GEORGIA

7. PIPE SIZE GREATER THAN 24" DIAMETER SHALL HAVE THRUST RESTRAINT DESIGNED BY A

5. NO ALLOWANCE SHALL BE MADE FOR FRICTION BETWEEN THE PIPE WALL AND THE THRUST

NOTE: THRUST COLLAR AREAS TO BE COMPUTED ON

3/4 9.0 6.0 1.5 3/4 8

9' MIN" SCHEDULE OF DIMENSIONS AND MATERIALS DIMENSIONS (FT.) | TIE RODS REQ'D NO. INCHES 1.0 3/4 3.5 3.0 1.0 3/4 5.0 3.0 1.0 3/4 6.0 4.0 1.5 3/4 4 8.0 5.0 1.5 3/4 6

#4 BARS ALL AROUND

(MIN 2" CLEARANCE

AROUND PIPE)

- 316 STAINLESS STEEL TIE RODS INCLUDING NUTS AND WASHERS (SEE SCHEDULE BELOW) - PIPE, TIE RODS AND NUTS TO BE WRAPPED IN POLYWRAP MECHANICAL JOINTS - SEE TRENCH DETAILS FOR PIPE BEDDING REQUIREMENTS

WALL THICKNESS (IN.) COATED 0.250 0.250 0.250 0.250 0.281 0.312 0.344 0.406 0.438 0.469

2. WHERE PRACTICAL, CASING SHALL EXTEND A MIN. OF 10'-0" BEYOND EDGE

3. A MINIMUM OF 3 CASING SPACERS PER JOINT OF INSTALLED CARRIER PIPE

4. THIS DETAIL REMAINS APPLICABLE TO CARRIER PIPE AND CASING SIZES

LARGER THAN SHOWN ON TABLE. SEE PLAN AND PROFILE SHEETS FOR

SUPPORT INSTALLATION 3

OF PAVEMENT OR LONGER AS REQUIRED BY LOCAL PERMITTING AGENCIES.

1. STAINLESS STEEL CASING SPACERS ARE REQUIRED AS SHOWN.

0.282 0.282 0.313 0.313 0.344 0.375 0.407 0.469 0.501 0.53

BLIND FLANGE

3'-0"

FL x FL-

6" SPOOL-

-M.J. W/ R.G.-

M.J. W/ R.G.-

MJ 90° BEND

HORIZONTAL

WALL THICKNESS (IN.)

NOTES:

UNCOATED

SHALL BE PROVIDED.

CASING SIZE REQUIREMENTS.

CASING AND PIPE

INDUSTRIAL SERVICE LAYOUT

- 6" CONCRETE BASE (TYPICAL)	
2) #8 HMWPE STRUCTURE LEADS BLACK)	
OU200	
N TEST COUPON	
PERMACELL REFERENCE CELL	
CLIENT ATKINS GLOBAL	
1600 RIVEREDGE PARKWAY, SUITE 700	
WATER MAIN REPLACEMENT PROJECT	
SECTION 1 - MARTA/CSX CROSSING DeKALB COUNTY, GEORGIA	
AEGION [®] Corrpro [®]	
Stronger. Safer. Infrastructure.*	
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REV DATE BY SCOTT BOULEVARD PHASE II WATER MAIl	Y DWM n replacement project

CATHODIC PROTECT	ION
DETAILS	DRAWING NO

INSTALLATION	
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ED 1 - 3 FT FROM IPE SPRING LINE OR	
JRATED WITH WATER ACKFILL TO ENSURE H ELECTROLYTE	
BE REMOVED FROM CKAGING PRIOR TO	
20 FT OF 30" MAIN 40 FT OF 12" MAIN	
CLIENT ATKINS GLOBAL 1600 RIVEREDGE PARKWAY, SUITE 700 ATLANTA, GA 30328	
CATHODIC PROTECTION SYSTEM DESIGN	
SCOTT BLVD PHASE II WATER MAIN REPLACEMENT PROJECT SECTION 1 - MARTA/CSX CROSSING DeKALB COUNTY, GEORGIA	
AEGION' CORFUNCTION Stronger. Safer. Infrastructure.* DRAWN BY	
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nty DETAILS	DRAWING No. SP-03

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 I. NEAR YO, MATIONAL ELECTRIC CODE - NEG 2. ANSI CE, MATIONAL ELECTRICAL SYNETY CODE - NEG 3. ANSI CE, MATIONAL ELECTRICAL SYNETY CODE - NEG 3. ANSI CE, MATIONAL ELECTRICAL SYNETY CODE - NEG 3. COLUMNET MATERNAL SANG YOU CONTACTION DELLON SHALL BE LABELED BY UL UNDERWRITERS LABORATORIES) INFORMATIONAL RESISTING LABORATORY DUBLIC 4. COLUMNET MATERNAL SANG YOU COMMANDS TO THE TRADEMAGE SYNEL DE NEW OF THE HIGHEST DUALITY AND ANTERNALS AN PRETCLASS WORKMANSHP, ALL EQUIPMENT AND MATERNALS SHALL BE NEW OF THE HIGHEST DUALITY AND ANTERNALS AN PRETCLASS WORKMANSHP, ALL EQUIPMENT AND MATERNALS SHALL BE NEW OF THE HIGHEST DUALITY AND ANTERNALS AN PRETCLASS WORKMANSHP, ALL EQUIPMENT AND MATERNALS SHALL BE NEW OF THE HIGHEST DUALITY AND ANTERNALS AND SHALL BE "NANLED WITH EXTREME CARE WHEN BEEN WOLD DO STANALS AND ANTERNALS USED TO PREVINT DAMAGE. 4. COMMENDATIONS MADE BY THE WAILPACTURES BE THE EQUIPMENT AND MATERNALS AND TESTERIAL TO AND SHALL BE "NANLED ANTIONE MADE BY THE WAILPACTURES BEEN WITH TO CONTRACTORS SHOLD AND AND TESTERIAL STANDARD AND SHALL BE AND ANTERNALS USED ALL EQUIPMENT AND SHALL BE "NANLED AND THE ASSOLUTE THE SHALL BE NEED AND ANTERNALS USED ALL EQUIPMENT AND SHALL BE "NANLED ANTIONE MATERNAL CONTRACTORS SHOLD AND ANTERNALS USED ALL ECUIPMENT AND SHALL BE "NANLED AND THE ASSOLUTE THE SHALL BE DOWNED OF THE RECLEAR OF THE SHALL BE NOTICED AT THE CONTRACTORS SHOLD AND AND TESTERIAL TO AND THE ASSOLUTE THE NEED AND THE ASSOLUTE THE NEED AND THE SHALL BE AND THE S		COMPLY WITH THE NATIONAL ELECTRICAL CODE AND ALL STATE, CITY, AND LOCAL CODES, NFPA REGULATIONS, OSHA REQUIREMENTS, SAFETY CODES, AND REGULATIONS, THIS INCLUDES BUT IS NOT LIMITED TO:
 ALLELGTRICH, MATERIA, RATED 000 YO, TS AND BELOW SHALL BE LABELED BY UL UNDERWRITERS LARGATORIES). ALLELGTRICH, MATERIAL, RATED 000 YO, TS AND BELOW SHALL BE LABELED BY UL UNDERWRITERS LARGATORIES). COURDATT, MATERIAL, RATED 000 YO, TS AND BELOW SHALL BE LABELED BY UL UNDERWRITERS LARGATORIES). COURDATT, MATERIAL, SHO WORKMUNDER, STRADAL DE LABELED DAULTY STRADARDS TO RALE EQUIPMENT AND ANTERIALS. AN WORKMASHE PALLES DIODENTS TO CAMPASIA SHALL BE OFTEN TO PERSIMANTIAN AND ANTERIALS. AN WORKMASHE PALLES OFTEN HOUSES OF THE MORE STRADARD OFTEN TO PERSIMANTIAN AND ANTERIALS. AN WORKMASHE PALLES OFTEN HOUSES OFTEN HOUSES OF THE MORE TO PERSIMANTIAN AND ANTERIALS. AN WORKMASHE PALLES OFTEN HOUSES OFTEN		5.1. NFPA 70, NATIONAL ELECTRIC CODE - NEC
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CONSTRUCTION NOTES:

- 1. CONTRACTOR SHALL MAINTAIN THE WORK AREA IN A NEAT, SAFE, CLEAN AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF PROJECT CONSULTING SERVICES. STREETS SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCES BEING CONTROLLED AT ALL TIMES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY CLEAN-UP ON ADJACENT STREETS AFFECTED BY THIS CONSTRUCTION.
- 2. ALL EQUIPMENT AND MATERIALS SHALL BE PROPERLY STORED. ALL EXCESS EXCAVATED SOIL AND MATERIALS SHALL BE REMOVED AND DISPOSED OF IN A PROPER AND LEGAL MANNER BY THE CONTRACTOR. ALL DISTURBED SURFACES SHALL BE SHAPED TO FACILITATE DRAINAGE & AVOID PONDING AND RESTORED TO NEAR NATURAL OR PRE-CONSTRUCTION CONDITIONS.
- 3. ALL DEBRIS CREATED BY THE INSTALLATION OPERATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AWAY FROM THE JOB SITE IN A MANNER AND AT A LOCATION ACCEPTABLE TO PCS.
- 4. ACTUAL ANODE LOCATIONS TO BE FIELD VERIFIED AND ANODES COULD BE MOVED FROM THE LOCATIONS SHOWN IN THE DRAWINGS.
- 5. TEST STATIONS ARE TO BE CLEARLY LABELED INCLUDING WIRE TAG OR IDENTIFICATION STICKER FOR SUBJECT STRUCTURE, COUPON AND REF CELL.
- 6. PROPER THERMITE WELD MATERIAL IS TO BE USED ON EACH PIPELINE.

ORTH AMERICA INC. ATE OF AUTHORIZATION # PEF000902 ON DATE: 06/30/2022

1600 Riveredge Parkway, Suite 700 Atlanta, Ga 30328 P: 770-933-0280

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- A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- B. 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.
- C. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- D. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.
- E. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY, AND REPAIRED AS NECESSARY. F. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:IV ON RESIDENTIAL PROJECTS AND SHALL NOT EXCEED 2H:IV ON ALL OTHER
- G. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
- H. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE A AND TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- I. CONTRACTOR TO INSTALL ALL NECESSARY EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- J. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 10000-2.
- K. ANY IMPERVIOUS WATER RUNOFF FROM LOTS BY-PASSING WATER QUALITY POND MUST BE TREATED ON A LOT PER LOT BASIS.
- L. INSTALLATION OF WATER QUALITY DEVICES SHALL BE CONCURRENT WITH FINAL STABILIZATION AND/OR PRIOR TO MAINTENANCE/PERFORMANCE BOND EXPIRATION.
- M. NO MASS GRADING SHALL OCCUR ON THE PROJECT.

PROJECTS.

- N. THE PROJECT SHALL BE STABILIZED BY THE END OF EACH DAY WITH TEMPORARY OR PERMANENT STABILIZATION MEASURES.
- O. THE PROJECT SHALL HAVE A DURATION OF LESS THAN 120 CALENDAR DAYS.
- P. FINAL STABILIZATION MUST BE IMPLEMENTED AT THE END OF THE MAINTENANCE PROJECT.
- Q. STOCKPILING OF MATERIALS ARE NOT PERMITTED.
- R. CONTRACTOR MUST STABILIZE DISTURBED AREAS IMMEDIATELY USING DISTURBED AREA BMPs INCLUDING DSI, DS2, DS3 AND DU. REFER TO EC-16 FOR ADDITIONAL INFORMATION AND REQUIREMENTS

E	ROSION CONT			
CODE	PRACTICE	DETAIL	SYMBOL	
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du	
Ds1	MULCHING ONLY	EC-15	Ds1	
Ds2	TEMPORARY SEEDING	EC-15	Ds2	
Ds3	PERMANENT VEGETATION	EC-15	Ds3	
Ds4	with sodding	EC-15	Ds4	
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15		
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	*	
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15		
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	OR	

24 HR EMERGENCY CONTACT

DEKALB COUNTY DWM (404) 687-3457

TOTAL DISTURBED 1.86 AC

100% SUBMITTAL

	REVISION DATES				
	REV	DATE	BY		
	0	09/24/19	EFR		
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DEKALB COUNTY DWM SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING **EROSION CONTROL**

PLAN

DRAWING No. EC-01

- A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- B. 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.
- C. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- D. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION. E. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY, AND REPAIRED AS NECESSARY.
- F. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:IV ON RESIDENTIAL PROJECTS AND SHALL NOT EXCEED 2H:IV ON ALL OTHER PROJECTS.
- G. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
- H. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE A AND TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- I. CONTRACTOR TO INSTALL ALL NECESSARY EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- J. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 10000-2.
- K. ANY IMPERVIOUS WATER RUNOFF FROM LOTS BY-PASSING WATER QUALITY POND MUST BE TREATED ON A LOT PER LOT BASIS.
- L. INSTALLATION OF WATER QUALITY DEVICES SHALL BE CONCURRENT WITH FINAL STABILIZATION AND/OR PRIOR TO MAINTENANCE/PERFORMANCE BOND EXPIRATION.
- M. NO MASS GRADING SHALL OCCUR ON THE PROJECT.
- N. THE PROJECT SHALL BE STABILIZED BY THE END OF EACH DAY WITH TEMPORARY OR PERMANENT STABILIZATION MEASURES.
- 0. THE PROJECT SHALL HAVE A DURATION OF LESS THAN 120 CALENDAR DAYS.
- P. FINAL STABILIZATION MUST BE IMPLEMENTED AT THE END OF THE MAINTENANCE PROJECT.
- Q. STOCKPILING OF MATERIALS ARE NOT PERMITTED.
- R. CONTRACTOR MUST STABILIZE DISTURBED AREAS IMMEDIATELY USING DISTURBED AREA BMPs INCLUDING DSI, DS2, DS3 AND DU. REFER TO EC-16 FOR ADDITIONAL INFORMATION AND REQUIREMENTS

E	ROSION CONT	ROL LEGEN	ID
CODE	PRACTICE	DETAIL	SYMBOL
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du
Ds1	MULCHING ONLY	EC-15	Ds1
Ds2	TEMPORARY SEEDING	EC-15	Ds2
Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	with sodding	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	*
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	OR

24 HR EMERGENCY CONTACT

JULIO TRINIDAD DEKALB COUNTY DWM (404) 687-3457

TOTAL DISTURBED 1.86 AC

100% SUBMITTAL

	REVISION DATES		
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SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING **EROSION CONTROL** PLAN

DEKALB COUNTY DWM

- A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- B. 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.
- C. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- D. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.
- E. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY, AND REPAIRED AS NECESSARY. F. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:IV ON RESIDENTIAL PROJECTS AND SHALL NOT EXCEED 2H:IV ON ALL OTHER
- PROJECTS. G. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
- H. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE A AND TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- I. CONTRACTOR TO INSTALL ALL NECESSARY EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 10000-2.
- ANY IMPERVIOUS WATER RUNOFF FROM LOTS BY-PASSING WATER QUALITY POND MUST BE TREATED ON A LOT PER LOT BASIS. INSTALLATION OF WATER QUALITY DEVICES SHALL BE CONCURRENT WITH FINAL STABILIZATION AND/OR PRIOR TO
- 1. NO MASS GRADING SHALL OCCUR ON THE PROJECT.

MAINTENANCE/PERFORMANCE BOND EXPIRATION.

- I. THE PROJECT SHALL BE STABILIZED BY THE END OF EACH DAY WITH TEMPORARY OR PERMANENT STABILIZATION MEASURES.
- . THE PROJECT SHALL HAVE A DURATION OF LESS THAN 120 CALENDAR DAYS.
- . FINAL STABILIZATION MUST BE IMPLEMENTED AT THE END OF THE MAINTENANCE PROJECT.
- STOCKPILING OF MATERIALS ARE NOT PERMITTED.

CONTRACTOR MUST STABILIZE DISTURBED AREAS IMMEDIATELY USING DISTURBED AREA BMPs INCLUDING DSI, DS2, DS3 AND DU. REFER TO EC-16 FOR ADDITIONAL INFORMATION AND REQUIREMENTS

E	ROSION CONT	ROL LEGEN	ID
CODE	PRACTICE	DETAIL	SYMBOL
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du
Ds1	MULCHING ONLY	EC-15	Ds1
Ds2	TEMPORARY SEEDING	EC-15	Ds2
Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	WITH SODDING	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	/*
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	OR

				100% SUBMITTAL
	REV REV 0	ISION DATE DATE 09/24/19	S BY EFR	DEKALB COUNTY DWM SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING
untu				EROSION CONTROL
				PLAN EC-0

24 HR EMERGENCY CONTACT

JULIO TRINIDAD DEKALB COUNTY DWM (404) 687-3457

TOTAL DISTURBED

1.86 AC

- A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- B. 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.
- C. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- D. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.
- F. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:IV ON RESIDENTIAL PROJECTS AND SHALL NOT EXCEED 2H:IV ON ALL OTHER
- G. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
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- I. CONTRACTOR TO INSTALL ALL NECESSARY EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE START OF ANY
- J. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT
- K. ANY IMPERVIOUS WATER RUNOFF FROM LOTS BY-PASSING WATER QUALITY POND MUST BE TREATED ON A LOT PER LOT BASIS.
- L. INSTALLATION OF WATER QUALITY DEVICES SHALL BE CONCURRENT WITH FINAL STABILIZATION AND/OR PRIOR TO
- M. NO MASS GRADING SHALL OCCUR ON THE PROJECT.
- N. THE PROJECT SHALL BE STABILIZED BY THE END OF EACH DAY WITH TEMPORARY OR PERMANENT STABILIZATION MEASURES.
- 0. THE PROJECT SHALL HAVE A DURATION OF LESS THAN 120 CALENDAR DAYS.
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- R. CONTRACTOR MUST STABILIZE DISTURBED AREAS IMMEDIATELY USING DISTURBED AREA BMPS INCLUDING DSI, DS2, DS3 AND DU. REFER TO EC-16 FOR ADDITIONAL INFORMATION AND REQUIREMENTS

E	ROSION CONT	ROL LEGEN	ID
CODE	PRACTICE	DETAIL	SYMBOL
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du
Ds1	MULCHING ONLY	EC-15	Ds1
Ds2	TEMPORARY SEEDING	EC-15	Ds2
Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	WITH SODDING	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	/*
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	OR

24 HB EMERC	
	LINCT CONTACT

JULIO TRINIDAD DEKALB COUNTY DWM (404) 687-3457

TOTAL DISTURBED 1.86 AC

100% SUBMITTAL

	DEKALB	COUNTY	DWM	
SCOTT BOU	LEVARD WAT	ER MAIN REPL	ACEMENT-	PHASE II
50-IN WATER	R LINE UNDER	R MARTA/CSX	RAILROAD	CROSSING

EROSION CONTROL PLAN

- A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
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- C. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- D. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.E. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY, AND REPAIRED AS NECESSARY.
- F. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:IV ON RESIDENTIAL PROJECTS AND SHALL NOT EXCEED 2H:IV ON ALL OTHER PROJECTS.
- 3. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
- I. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE A AND TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- . CONTRACTOR TO INSTALL ALL NECESSARY EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- J. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 10000-2.
- K. ANY IMPERVIOUS WATER RUNOFF FROM LOTS BY-PASSING WATER QUALITY POND MUST BE TREATED ON A LOT PER LOT BASIS.
- L. INSTALLATION OF WATER QUALITY DEVICES SHALL BE CONCURRENT WITH FINAL STABILIZATION AND/OR PRIOR TO MAINTENANCE/PERFORMANCE BOND EXPIRATION.
- M. NO MASS GRADING SHALL OCCUR ON THE PROJECT.
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- R. CONTRACTOR MUST STABILIZE DISTURBED AREAS IMMEDIATELY USING DISTURBED AREA BMPS INCLUDING DSI, DS2, DS3 AND DU. REFER TO EC-16 FOR ADDITIONAL INFORMATION AND REQUIREMENTS

E	ROSION CONT	ROL LEGEN	ID
CODE	PRACTICE	DETAIL	SYMBOL
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du
Ds1	MULCHING ONLY	EC-15	Ds1
Ds2	TEMPORARY SEEDING	EC-15	Ds2
Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	with sodding	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	/*
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	OR

	1.86 AC
	100% SUBMITTAL
EVISION DATES / DATE BY 09/24/19 EFR	DEKALB COUNTY DWM SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING
	EROSION CONTROL

PLAN

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DRAWING	No.
EC-0	5

24 HR EMERGENCY CONTACT

JULIO TRINIDAD DEKALB COUNTY DWM (404) 687-3457

TOTAL DISTURBED

- A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- B. 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.
- C. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- D. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.E. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY, AND REPAIRED AS NECESSARY.
- F. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:IV ON RESIDENTIAL PROJECTS AND SHALL NOT EXCEED 2H:IV ON ALL OTHER PROJECTS.
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- K. ANY IMPERVIOUS WATER RUNOFF FROM LOTS BY-PASSING WATER QUALITY POND MUST BE TREATED ON A LOT PER LOT BASIS.
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- M. NO MASS GRADING SHALL OCCUR ON THE PROJECT.
- N. THE PROJECT SHALL BE STABILIZED BY THE END OF EACH DAY WITH TEMPORARY OR PERMANENT STABILIZATION MEASURES.
- D. THE PROJECT SHALL HAVE A DURATION OF LESS THAN 120 CALENDAR DAYS.
- P. FINAL STABILIZATION MUST BE IMPLEMENTED AT THE END OF THE MAINTENANCE PROJECT.
- A. STOCKPILING OF MATERIALS ARE NOT PERMITTED.

. CONTRACTOR MUST STABILIZE DISTURBED AREAS IMMEDIATELY USING DISTURBED AREA BMPS INCLUDING DSI, DS2, DS3 AND DU. REFER TO EC-I6 FOR ADDITIONAL INFORMATION AND REQUIREMENTS

E	ROSION CONT	ROL LEGEN	ID
CODE	PRACTICE	DETAIL	SYMBOL
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du
Ds1	MULCHING ONLY	EC-15	Ds1
Ds2	TEMPORARY SEEDING	EC-15	Ds2
Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	with sodding	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	*
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	OR

24 HR EMERGENCY CONTACT

JULIO TRINIDAD DEKALB COUNTY DWM (404) 687-3457

TOTAL DISTURBED 1.86 AC

100% SUBMITTAL

	REVISION DATES		
	REV	DATE	BY
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DEKALB COUNTY DWM SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

EROSION CONTROL

DRAWING No. EC-06

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, 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.

ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.

ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.

EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY, AND REPAIRED AS NECESSARY. CUT AND FILL SLOPES SHALL NOT EXCEED 3H: IV ON RESIDENTIAL PROJECTS AND SHALL NOT EXCEED 2H: IV ON ALL OTHER

PROJECTS. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH

THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE A AND TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.

CONTRACTOR TO INSTALL ALL NECESSARY EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.

INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 10000-2.

ANY IMPERVIOUS WATER RUNOFF FROM LOTS BY-PASSING WATER QUALITY POND MUST BE TREATED ON A LOT PER LOT BASIS.

INSTALLATION OF WATER QUALITY DEVICES SHALL BE CONCURRENT WITH FINAL STABILIZATION AND/OR PRIOR TO MAINTENANCE/PERFORMANCE BOND EXPIRATION.

. NO MASS GRADING SHALL OCCUR ON THE PROJECT.

THE PROJECT SHALL BE STABILIZED BY THE END OF EACH DAY WITH TEMPORARY OR PERMANENT STABILIZATION MEASURES.

. THE PROJECT SHALL HAVE A DURATION OF LESS THAN 120 CALENDAR DAYS.

P. FINAL STABILIZATION MUST BE IMPLEMENTED AT THE END OF THE MAINTENANCE PROJECT.

. STOCKPILING OF MATERIALS ARE NOT PERMITTED.

CONTRACTOR MUST STABILIZE DISTURBED AREAS IMMEDIATELY USING DISTURBED AREA BMPs INCLUDING DSI, DS2, DS3 AND DU. REFER TO EC-16 FOR ADDITIONAL INFORMATION AND REQUIREMENTS

EROSION CONTROL LEGEND			
CODE	PRACTICE	DETAIL	SYMBOL
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du
Ds1	MULCHING ONLY	EC-15	Ds1
Ds2	TEMPORARY SEEDING	EC-15	Ds2
Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	with sodding	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	/*
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	OR

JULIO TRINIDAD DEKALB COUNTY DWM (404) 687-3457

TOTAL DISTURBED 1.86 AC

100% SUBMITTAL

	REVISION DATES		
	REV	DATE	BY
	0	09/24/19	EFR
intr			
uncy			
A			

SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING **EROSION CONTROL**

DEKALB COUNTY DWM

PLAN

- A. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- B. 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.
- C. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED NECESSARY BY ON-SITE INSPECTION.
- D. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING; DISTURBED AREAS IDLE FOR 30 DAYS SHALL BE STABILIZED WITH PERMANENT VEGETATION.E. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED DAILY, AND REPAIRED AS NECESSARY.
- F. CUT AND FILL SLOPES SHALL NOT EXCEED 3H:IV ON RESIDENTIAL PROJECTS AND SHALL NOT EXCEED 2H:IV ON ALL OTHER PROJECTS.
- G. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
- H. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE A AND TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- I. CONTRACTOR TO INSTALL ALL NECESSARY EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.

J. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 10000-2.

- (. ANY IMPERVIOUS WATER RUNOFF FROM LOTS BY-PASSING WATER QUALITY POND MUST BE TREATED ON A LOT PER LOT BASIS.
 .. INSTALLATION OF WATER QUALITY DEVICES SHALL BE CONCURRENT WITH FINAL STABILIZATION AND/OR PRIOR TO MAINTENANCE/PERFORMANCE BOND EXPIRATION.
- M. NO MASS GRADING SHALL OCCUR ON THE PROJECT.
- N. THE PROJECT SHALL BE STABILIZED BY THE END OF EACH DAY WITH TEMPORARY OR PERMANENT STABILIZATION MEASURES.
- O. THE PROJECT SHALL HAVE A DURATION OF LESS THAN 120 CALENDAR DAYS.
- P. FINAL STABILIZATION MUST BE IMPLEMENTED AT THE END OF THE MAINTENANCE PROJECT.
- Q. STOCKPILING OF MATERIALS ARE NOT PERMITTED.

CONTRACTOR MUST STABILIZE DISTURBED AREAS IMMEDIATELY USING DISTURBED AREA BMPS INCLUDING DSI, DS2, DS3 AND DU. REFER TO EC-16 FOR ADDITIONAL INFORMATION AND REQUIREMENTS

EROSION CONTROL LEGEND			
CODE	PRACTICE	DETAIL	SYMBOL
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du
Ds1	MULCHING ONLY	EC-15	Ds1
Ds2	TEMPORARY SEEDING	EC-15	Ds2
Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	with sodding	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	*
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	OR

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DEKALB COUNTY DWM SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

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Ds4	with sodding	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	/*
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	
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DEKALB COUNTY DWM SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

EROSION CONTRC)L
PLAN	

	DRAW	ING	Nc
E	C-	0	9

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E	ROSION CONT	ROL LEGEN	ID
CODE	PRACTICE	DETAIL	SYMBOL
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du
Ds1	MULCHING ONLY	EC-15	Ds1
Ds2	TEMPORARY SEEDING	EC-15	Ds2
Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	with sodding	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	*
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	OR

24 HR EMERGENCY CONTACT

JULIO TRINIDAD DEKALB COUNTY DWM (404) 687-3457

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DEKALB COUNTY DWM SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

EROSION CONTROL PLAN

DRAWING No. EC-10

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DEKALB COUNTY DWM SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

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24 HR EMERGENCY CONTACT

JULIO TRINIDAD DEKALB COUNTY DWM (404) 687-3457

TOTAL DISTURBED

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SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING **EROSION CONTROL**

DEKALB COUNTY DWM

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- G. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN THE PROJECT IS RELEASED BY THE INSPECTOR.
- H. SILT FENCE SHALL MEET THE REQUIREMENTS OF SECTION 171-TYPE A AND TYPE C TEMPORARY SILT FENCE, OF THE GEORGIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS.
- I. CONTRACTOR TO INSTALL ALL NECESSARY EROSION AND SEDIMENTATION CONTROL MEASURES PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.
- J. INSPECTIONS BY QUALIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 10000-2.
- K. ANY IMPERVIOUS WATER RUNOFF FROM LOTS BY-PASSING WATER QUALITY POND MUST BE TREATED ON A LOT PER LOT BASIS.
- L. INSTALLATION OF WATER QUALITY DEVICES SHALL BE CONCURRENT WITH FINAL STABILIZATION AND/OR PRIOR TO MAINTENANCE/PERFORMANCE BOND EXPIRATION.
- M. NO MASS GRADING SHALL OCCUR ON THE PROJECT.
- N. THE PROJECT SHALL BE STABILIZED BY THE END OF EACH DAY WITH TEMPORARY OR PERMANENT STABILIZATION MEASURES.
- 0. THE PROJECT SHALL HAVE A DURATION OF LESS THAN 120 CALENDAR DAYS.
- P. FINAL STABILIZATION MUST BE IMPLEMENTED AT THE END OF THE MAINTENANCE PROJECT.
- Q. STOCKPILING OF MATERIALS ARE NOT PERMITTED.
- R. CONTRACTOR MUST STABILIZE DISTURBED AREAS IMMEDIATELY USING DISTURBED AREA BMPS INCLUDING DSI, DS2, DS3 AND DU. REFER TO EC-I6 FOR ADDITIONAL INFORMATION AND REQUIREMENTS

E	ROSION CONT	ROL LEGEN	ID
CODE	PRACTICE	DETAIL	SYMBOL
Du	DUST CONTROL ON DISTURBED AREAS	WATER/CHEMICAL TREATMENT AS REQUIRED	Du
Ds1	MULCHING ONLY	EC-15	Ds1
Ds2	TEMPORARY SEEDING	EC-15	Ds2
Ds3	PERMANENT VEGETATION	EC-15	Ds3
Ds4	with sodding	EC-15	Ds4
Co	CRUSHED STONE CONSTRUCTION ENTRANCE	EC-15	
Sd1-NS	SILT FENCE (TYPE 'A' TYP.) NON-SENSITIVE AREAS	EC-15	*
Sd1-S	DOUBLE SILT FENCE (TYPE 'C' TYP.) SENSITIVE AREAS	EC-15	
Sd2-P	CURB/DROP INLET FILTER "PIGS IN BLANKET"	EC-15	OR

24 HR EMERGENCY CONTACT

DEKALB COUNTY DWM (404) 687-3457

TOTAL DISTURBED 1.86 AC

100% SUBMITTAL

	REVISION DATES					
	REV	DATE	BY			
	0	09/24/19	EFR			
intr						
uncy						
A						

DEKALB COUNTY DWM SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING

EROSION CONTROL

DRAWING No. EC-14

1600 Riveredge Parkway, Suite 700 Atlanta, Ga 30328 P: 770-933-0280

Ds1

DISTURBED AREA STABILIZATION MULCHING ONLY

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

REQUIREMENT FOR REGULATORY COMPLIANCE

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to six months, but it shall be applied at the appropriate depth, depending on the material used, anchored and have a continuous 90% cover or greater of the soil surface. Maintenance shall be required to maintain appropriate depth and 90% cover. Temporary vegetation may be employed instead of mulch if the area will remain undisturbed for less than six months. If any area will remain undisturbed for greater than six months, permanent vegetative techniques shall be employed.

SPECIFICATIONS

Mulching Without Seeding

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

Site Preparation

1. Grade to permit the use of equipment for applying and anchoring mulch.

2. Install needed erosion control measures as required such as dikes, diversions, berms, terraces and sediment barriers.

3. Loosen compact soil to a minimum depth of 3 inches.

Mulching Materials

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

1. Dry straw or hay shall be applied at a depth of 2 to 4 inches providing complete soil coverage. One advantage of this material is easy application.

2. Wood waste (chips, sawdust or bark) shall be applied at a depth of 2 to 3 inches. Organic material from the clearing stage of development should remain on site, be chipped, and applied as mulch. This method of mulching can greatly reduce erosion control costs.

3. Polyethylene film shall be secured over banks or stockpiled soil material for temporary protection. This material can be salvaged and re-used.

Applying Mulch

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

1. Dry straw or hay mulch and wood chips shall be applied uniformly by hand or by mechanical equipment. 2. If the area will eventually be covered with perennial vegetation, 20-30 pounds of nitrogen per acre in addition to the normal amount shall be applied to offset the uptake of nitrogen caused by the decomposition of the organic mulches.

3. Apply polyethylene film on exposed areas.

Anchoring Mulch

- 1. Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set straight or with a special "packer disk." Disks may be smooth or serrated and should be 20 inches or more in diameter and 8 to 12 inches apart. The edges of the disk should be dull enough not to cut the mulch but to press it into the soil leaving much of it in an erect position. Straw or hay mulch shall be anchored immediately after application.
- 2. Straw or hay mulch spread with special blower-type equipment may be anchored. Tackifers, binders and hydraulic mulch with tackifier specifically desgined for tacking straw can be substituted for emulsified asphalt. Plastic mesh or netting with mesh no larger than one inch by one inch shall be installed according to manufacturer's specifications.
- 3. Netting of the appropriate size shall be used to anchor wood waste. Openings of the netting shall not be larger than the average size of the wood waste chips.

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

DUST CONTROL ON DISTURBED AREAS

DEFINITION

CONDITIONS

Du

Controlling surface and air movement of dust on construction sites, roads, and demolition sites.

This practice is applicable to areas subject to surface and air movement of dust where on and off-site damage may occur without treatment.

METHOD AND MATERIALS A. Temporary Methods

Mulches. See standard Ds1 - Disturbed Area Stabilization (With Mulching Only). Synthetic resins may be used instead of asphalt to bind mulch material. Resins should be used according to manufacturer's recommendations

Vegetative Cover. See specification Ds2 - Disturbed Area Stabilization (With Temporary Seeding). Spray-on Adhesives. These are used on mineral soils (not effective on muck soils). Keep traffic off these areas.

Tillage. This practice is designed to roughen and bring clods to the surface. It is an emergency measure that should be used before wind erosion starts. Begin plowing on windward side of site. Chisel-type plows spaced about 12 inches apart, spring-toothed harrows, and similar plows are examples of equipment that may produce the desired effect.

Irrigation. This is generally done as an emergency treatment. Site is sprinkled with water until the surface is wet. Repeat as needed.

Barriers. Solid board fences, snowfences, burlap fences, crate walls, bales of hay and similar material can be used to control air currents and soil blowing. Barriers placed at right angles to prevailing currents at intervals of about 15 times their height are effective in controlling wind erosion. Calcium Chloride. Apply at rate that will keep surface moist. May need retreatment.

- B. Permanent Methods Permanent Vegetation. See specification Ds3 -Disturbed Area Stabilization (With Permanent
- Vegetation). Existing trees and large shrubs may afford valuable protection if left in place. **Topsoiling.** This entails covering the surface with less erosive soil material. Stone. Cover surface with crushed stone or coarse gravel.

DISTURBED AREA STABILIZATION TEMPORARY SEEDING

The establishment of temporary vegetative cover with fast growing seedings for seasonal protection on disturbed or denuded areas.

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 six months. If an area is expected to be undisturbed for longer than six months, permanent perennial vegetation shall be used. If optimum planting conditions for temporary grassing is lacking, mulch can be used as a singular erosion control device for up to six months but it shall be applied at the appropriate depth, anchored, and have a continuous 90% cover or greater of the soil surface.

CONDITIONS

Temporary vegetative measures should be coordinated with permanent measures to assure economical and effective stabilization. Most types of temporary vegetation are ideal to use 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). Contact NRCS or the local SWCD for more information.

SPECIFICATIONS

Grading and Shaping

Excessive water run-off shall be reduced by properly designed and installed erosion control practices such as closed drains, ditches, dikes, diversions, sediment barriers and others. No shaping or grading is required if slopes can be stabilized by hand-seeded vegetation or if hydraulic seeding equipment is to be used. Seedbed Preparation

When a hydraulic seeder is used, seedbed preparation is not required. When using conventional or hand-seeding, seedbed preparation is not required if the soil material is loose and not sealed by rainfall. When soil has been sealed by rainfall or consists of smooth cut slopes, the soil shall be pitted, trenched or otherwise scarified to provide a place for seed to lodge and germinate.

Lime and Fertilizer

Agricultural lime is required unless soil tests indicate otherwise. Apply agricultural lime at a rate determined by soil test for pH. Quick acting lime should be incorporated to modify pH during the germination period. Bio stimulants should also be considered when there is less than 3% organic matter in the soil. Graded areas require lime application. Soils must be tested to determine required amounts of fertilizer and amendments. Fertilizer should be applied before land preparation and incorporated with a disk, ripper, or chisel. On slopes too steep for, or inaccessible to equipment, fertilizer shall be hydraulically applied, preferably in the first pass with seed and some hydraulic mulch, then topped with the remaining required application rate.

Seeding

Select a grass or grass-legume mixture suitable to the area and season of the year. Seed shall be applied uniformly by hand, cyclone seeder, drill, culti-packer-seeder, or hydraulic seeder (slurry including seed and fertilizer). Drill or cultipacker seeders should normally place seed one-quarter to one-half inch deep. Appropriate depth of planting is ten times the seed diameter. Soil should be "raked" lightly to cover seed with soil if seeded by hand. See Table 6-4.1

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 often accelerate and enhance germination and vegetation establishment. Mulch without seeding should be considered for short term protection Irrigation

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 should be made when needed.

SEEDING RATES - TEMPORARY SEEDING								
SPECIES	RATE PER 1,000 SFT.	RATE PER ACRE	PLANTING DATES					
Weeping Lovegrass	0.1 lb.	4 lbs.	2/15 - 6/15					
Sudangrass	1.4 lbs.	60 lbs.	3/1 - 8/1					
Browntop Millet	0.9 lb.	40 lbs.	4/1 - 7/15					
Ryegrass	0.9 lb.	40 lbs	8/15 - 4/1					
1-4								

1) Unusual site conditions may require heavier seeding rates 2) Seeding dates may need to be altered to fit temperature variations and conditions.

DISTURBED AREA STABILIZATION W/ SODDING

DEFINITION A permanent vegetative cover using sods on highly erodible or critically eroded lands. CONSTRUCTION SPECIFICATIONS Soil Preparation

Bring soil surface to final grade. Clear surface of trash, woody debris, stones and clods larger than 1". Apply sod to soil surfaces only and not frozen surfaces, or gravel type soils. Topsoil properly applied will help guarantee a stand. Don't use topsoil recently treated with herbicides or soil sterilants. Mix fertilizer into soil surface. Fertilize based on soil tests or Table below:

FERTILIZER TYPE	FERTILIZER RATE	FERTILIZER RAT
(lbs/acre)	(lbs./acre)	
10-10-10	1,000	0.25

Agricultural lime should be applied based on soil tests or at a rate of 1 to 2 tons per acre.

Ds4

Table 1 Sod Planting Requirements Table 2 Fertilizer Req GRASS VARIETIES RESOURCE AREA GROWING SEASON SPECIES PLANTING YEAR FERTILIZER (N-P-K) Common/Tifway/Tifgreen M-L / P,C / P,C Bermudagrass Warm Weather 6-12-12 Cool Season Grasses First 1. Sod should be machine cut and contain 3/4" (+ or -1/4") of soil, not including shoots or thatch. P,C Pensacola Warm Weather Bahiagrass Second 6-12-12 2. Sod should be cut to the desired size within + or -5%. Torn or uneven pads should be rejected. 10-10-10 Maintenance 3. Sod should be cut and installed within 36 hours of digging. P,C Warm Weather Centipede 4. Avoid planting when subject to frost heave or hot weather, if irrigation is not available. 6-12-12 Warm Season Grasses First Common/Bitterblue/Raleigh St. Augustine Warm Weather 6-12-12 Second 10-10-10 Maintenance P,C Emerald / Myer Warm Weather Zovsia M-L,P Cool Weather Tall Fescue Kentuckv

Lay sod with tight joints and in straight lines. Don't overlap joints. Stagger joints and do not stretch sod (See Table 1) On slopes steeper than 3:1, sod should be anchored with pins or other approved methods. Installed sod should be rolled or tamped to provide good contact between sod and soil. Irrigate sod and soil to a depth of 4" immediately after installation. Sod should not be cut or spread in extremely wet or dry weather. Irrigation should be used to supplement rainfall for a minimum of 2-3 weeks. Materials Sod selected should be certified. Sod grown in the general area of the project is desirable. 5. The sod type should be shown on the plans or installed according to Table 1 Re-sod areas where an adequate stand of sod is not obtained. New sod should be mowed sparingly. Grass height should not be cut less than 2"-3" or as specified (See Figure 1 Apply one ton of agricultural lime as indicated by soil test or every 4-6 years. Fertilize grasses in accordance with soil tests or

- Maintenance

Table 2

SEASON Fall

DEFINITION

The planting of perennial vegetation such as trees, shrubs, vines, grasses, or legumes on exposed areas for final permanent stabilization. Permanent perennial vegetation shall be used to achieve final stabilization.

REQUIREMENT FOR REGULATORY COMPLIANCE

This practice 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.

CONDITIONS

Permanent perennial vegetation is used to provide a protective cover for exposed areas including cuts, fills, dams, and other denuded areas

CONSTRUCTION SPECIFICATIONS Grading and Shaping

Grading and shaping may not be required where hydraulic seeding and fertilizing equipment is to be used. Vertical banks shall be sloped to enable plant establishment.

When conventional seeding and fertilizing are to be done, grade and shape where feasible and practical, so that equipment can be used safely and efficiently during seedbed preparation, seeding, mulching and maintenance of the vegetation.

Concentrations of water that will cause excessive soil erosion shall be diverted to a safe outlet. Diversions and other treatment practices shall conform with the appropriate standards and specifications. Lime and Fertilizer Rates and Analysis

Agricultural lime is required at the rate of one to two tons per acre unless soil tests indicate otherwise. Graded areas require lime application. If lime is applied within six months of planting permanent perennial vegetation, additional lime is

not required. Agricultural lime shall be within the specifications of the Georgia Department of Agriculture. Lime spread by conventional equipment shall be "ground limestone." Ground limestone is calcitic or dolomitic limestone ground so that 90 percent of the material will pass through a 10-mesh sieve, not less than 50 percent will pass through a 50-mesh sieve and not less than 25 percent will pass through a 100-mesh sieve.

Fast-acting lime spread by hydraulic seeding equipment should be "finely ground limestone" spanning from the 180 micron size to the 5 micron size. Finely ground limestone is calcitic or dolomitic limestone ground so that 95 percent of the material will pass through a 100-mesh sieve.

It is desirable to use dolomitic limestone in the Sand Hills, Southern Coastal Plain and Atlantic Coast Flatwoods MLRAs. Agricultural lime is generally not required where only trees are planted. Initial fertilization, nitrogen, topdressing, and maintenance fertilizer requirements for each species or combination of

species are listed in Table 6-5.1. Lime and Fertilizer Application

When *hydraulic seeding* equipment is used, the initial fertilizer shall be mixed with seed, innoculant (if needed), and wood cellulose or wood pulp fiber mulch and applied in a slurry. The innoculant, if needed, shall be mixed with the seed prior to being placed into the hydraulic seeder. The slurry mixture will be agitated during application to keep the ingredients thoroughly mixed. The mixture will be spread uniformly over the area within

one hour after being placed in the hydroseeder.

Finely ground limestone can be applied in the mulch slurry or in combination with the top dressing. When *conventional planting* is to be done, lime and fertilizer shall be applied uniformly in one of the following ways:

1. Apply before land preparation so that it will be mixed with the soil during seedbed preparation. 2. Mix with the soil used to fill the holes, distribute in furrows.

3. Broadcast after steep surfaces are scarified, pitted or trenched.

4. A fertilizer pellet shall be placed at root depth in the closing hole beside each pine tree seedling.

Plant Selection

Plants shall be selected on the basis of species characteristics, site and soil conditions, planned use and maintenance of the area; time of year of planting, method of planting; and the needs and desires of the land user. Some perennial species are easily established and can be planted alone. Examples of these are Common Bermuda,

Tall Fescue, and Weeping Lovegrass. Other perennials, such as Bahia Grass and Sericea Lespedeza, are slow to become established and should be planted with another perennial species. The additional species will provide quick cover and ample soil protection until the target perennial species become established. For example, Common seeding combinations are 1) Weeping Lovegrass with Apply one ton of agricultur Sericea Lespedeza (scarified) and 2) Tall Fescue with Sericea Lespedeza (unscarified).

Plant selection may also include annual companion crops. Annual companion crops should be used only when the Use and Management perennial species are not planted during their optimum planting period. A common mixture is Brown Top Millet with Common Bermuda in mid-summer. Care should be taken in selecting companion crop species and seeding rates because annual crops will compete with perennial species for water, nutrients, and growing space. A high seeding rate of the companion crop may prevent the establishment of perennial species.

Ryegrass shall not be used in any seeding mixtures containing perennial species due to its ability to out-compete desired species chosen for permanent perennial cover.

Seedbed Preparation

Seedbed preparation may not be required where hydraulic seeding and fertilizing equipment is to be used (but is strongly recommended for any seeding process, when possible). When conventional seeding is to be used, seedbed preparation will be done as follows:

Broadcast plantings 1. Tillage, at a minimum, shall adequately loosen the soil to a depth of 4 to 6 inches; alleviate compaction; incorporate lime and fertilizer; smooth and firm the soil; allow for the proper placement of seed, sprigs, or plants; and allow for the anchoring of straw or hay mulch if a disk is to be used. 2. Tillage may be done with any suitable equipment.

3. Tillage should be done on the contour where feasible.

4. On slopes too steep for the safe operation of tillage equipment, the soil surface shall be pitted or trenched across the slope with appropriate hand tools to provide two places 6 to 8 inches apart in which seed may lodge and germinate. Hydraulic seeding may also be used.

2. For nursery stock plan

- 1. Dry straw or dry hay per acre. Dry hay shal
- 2. Wood cellulose mulc pounds per acre. Dry
- 3. One thousand pound seeding on slopes 3/4 4. Sericea Lespedeza ha
- 5. Pine straw or pine b sufficient quantity may areas.
- 6. When using temporary 7. Bituminous treated Bituminous treated row
- must meet Georgia D Wood cellulose and wo dispersed when agitated i

seedina

Anchoring Mulch

Topdressing Topdressing will be applied species. Recommended ra Second Year and Mainte Second year fertilizer rate Lime Maintenance Applic

ATKINS 1600 Riveredge Parkway, Suite 700 Atlanta, Ga 30328 P: 770-933-0280

ON - PERMA					
JN - PERIVIA					
	ANENT VEGETA	ATION			
Individual Plants					
 Where individual For nursery store 	al plants are to be set, th ock plants, holes shall be	ne soil shall be prepared a large enough to accomr	by excavating hole modate roots witho	es, opening furrows, or out crowding.	dibble planting.
3. Where pine see	edlings are to be plante	x months prior to			
Inoculants All leg	gume seed shall be ind	oculated with ap-propriat	te nitrogen-fixing k	pacteria. The inoculant	shall be a pure
culture prepared sp by the manu-facture	pecifically for the seed sp rer shall be used to bor	pecies and used within th nd the inoculant to the s	e dates on the cor seed. For conventi	ntainer. A mixing mediu onal seeding, use twic	m recommended e the amount of
noculant recommer	nded by the manufactur	mmended by the			
tion establishment	t enhancement, and ero	bllowing and			
apply as indicated: 1 Dry straw or dr	rv <i>hav</i> of good quality a	the rate of 2 tons			
per acre. Dry ha	ay shall be applied at a	rate of 2 1/2 tons per acr	e.		
2. Wood cellulose pounds per acro	e <i>mulch</i> or <i>wood pulp</i> re. Dry straw or dry hay s	fiber shall be used with shall be applied (at the re	hydraulic seeding ate indicated above	g. It shall be applied a e) after hydraulic seedir	t the rate of 500 lig.
3. One thousand	pounds of wood cellu	lose or wood pulp fiber.	, which includes a	a tackifier, shall be use	ed with hydraulic
4. Sericea Lespec	deza hay containing mat	ure seed shall be applied	d at a rate of three	tons per acre.	
5. <i>Pine straw</i> or sufficient quant	<i>pine bark</i> shall be app tity may be used where	lied at a thickness of 3 ornamentals or other arc	inches for bedding ound covers are pla	g purposes. Other suit anted. This is not appro	able materials in priate for seeded
areas.	morany oracion control	blankata ar black and m	ulah is pat raquirar		
7. Bituminous tre	eated roving may be ap	plied on planted areas,	slopes, in ditches	s or dry waterways to	prevent erosion.
Bituminous trea must meet Geo	ated roving shall be appl orgia Department of Trar	ied within 24 hours after nsportation specifications	an area has been	planted. Application rat	tes and materials
Wood cellulose a	and wood pulp fibers s	shall not contain germin	ation or growth ir	nhibiting factors. They	shall be evenly
seeding.	itated in water. The liber	rs shall contain a dye to a	allow visual meteri	ing and aid in uniform a	application during
Applying Mulch Straw or hav mulch	will be spread uniformly	/ within 24 hours after so	eding and/or planti	ng. The mulch may be	spread by
lower-type spreadi	ing equipment, other spi	reading equipment or by	hand. Mulch shall	be applied to cover 75%	% of the soil
surtace. <i>Vood cellulose or</i> w	wood fiber mulch shall be	e applied uniformly with h	ıydraulic seeding e	equipment.	
Anchoring Mulch	v mulch immediately -f	er application by and off	he following moth	de.	
1. Hay and stra	aw mulch shall be pres	sed into the soil immedia	ately after the mul	ch is spread. A special	"packer disk" or
disk harrow wit more in diamete	th the disks set straight ter and 8 to 12 inches ar	may be used. The disks part. The edges of the dis	s may be smooth o sks shall be dull en	or serrated and should ough to press the mule	be 20 inches or hinto the ground
without cutting	it, leaving much of it in a	an erect position. Mulch s	shall not be plowed	l into the soil.	
 Synthetic tac or immediatelv 	<i>ckitiers, binders or hydr</i> / after the mulch is spr	aulic mulch specifically o ead. Synthetic tackifiers	shall be mixed a	t <i>raw,</i> shall be applied ir nd applied according t	n conjunction with
specifications.	All tackifiers, binders o	r hydraulic mulch specif	ically designed to	tack straw should be	verified nontoxic
3. Rye or whea	at can be included with	Fall and Winter planting	s to stabilize the n	nulch. They shall be ap	plied at a rate of
one-quarter to one-qu	one-half bushel per acre h or netting with mesh n	۶. o larger than one inch bv	∕ one inch mav be ≀	needed to anchor straw	/ or hav mulch on
unstable soils a	and concentrated flow a	reas. These materials sh	all be installed and	d anchored according t	o manufacturer's
Bedding Material					
Mulch is used a around shrubs an	as a bedding materia od on bare areas on la	I to conserve moisture	e and control we	eds in nurseries, or	namental beds,
Grain straw 4" to 6	6"				
Grass Hay 4" to 6" Pine needles 3" to	5" o 5"				
Wood waste 4" to	o 6"				
rrigation will be app	plied at a rate that will no	ot cause runoff.			
Fopdressing Fopdressing will be	applied on all temporar	v and permanent (perenr	nial) species plante	ed alone or in mixtures y	with other
species. Recommen	nded rates of application	n are listed in Table 6-5.1	l.		
Second Year and I Second year fertilize	Maintenance Fertilizati er rates and maintenand	on ce fertilizer rates are liste	d in Table 6-5.1.		
ime Maintenance	Application	A voora ar as indicated	by apil toota. Spil t	acto can be conducted t	te determine
nore accurate requ	irements, if desired.	o years of as indicated i	by son lesis. Son le	ests can be conducted	
J se and Managem Now Sericea Lespe	1ent edeza onlv after frost to e	ensure that the seeds are	e mature. Mow bet	ween November and M	arch.
Bermudagrass, Ba	ahiagrass and Tall Fest	ue may be mowed as de	esired. Maintain at	least 6 inches of top g	prowth under any
Exclude traffic until	the plants are well estal	olished. Because of the q	uail nesting seaso	n, mowing should not t	ake place
between May and S	September.				1
		SEEDING RATES -	PERMANENT S	EEDING	
	SPECIES	RATE PER 1,000 SFT.	RATE PER ACRE	PLANTING DATES	
	Bahia	1.4 lbs.	60 lbs.	1/1 - 12/31	
			10 lbs.	+	
	Bermuda	0.2 lb.	-	2/15 - 7/1	
	Centipede	0.2 lb. Block Sod Only	Block Sod Only	2/15 - 7/1 4/1 - 7/1	
	Bermuda Centipede Lespedeza	0.2 lb. Block Sod Only	Block Sod Only 75 lbs	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31	
	Bermuda Centipede Lespedeza Weeping Lovegrass	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb	Block Sod Only 75 lbs 4 lbs	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15	
	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb	Block Sod Only 75 lbs 4 lbs. 40 lbs	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1	
	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb.	Block Sod Only 75 lbs 4 lbs. 40 lbs.	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1	
	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass <u>Notes:</u> 1) Unusual site conditions m	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. ay require heavier seeding rat	Block Sod Only 75 lbs 4 lbs. 40 lbs.	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1	
	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb.	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1	
	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass <u>Notes:</u> 1) Unusual site conditions m 2) Seeding dates may need	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb.	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions.	
Table 2 Fertilize	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass <u>Notes:</u> 1) Unusual site conditions m 2) Seeding dates may need	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. ay require heavier seeding rate to be altered to fit temperature	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions.	
Table 2 Fertilizer YEAR FERT	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need r Requirements for S	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. ay require heavier seeding rate to be altered to fit temperature Sod	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions.	
Table 2 Fertilize	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need er Requirements for S FILIZER RATE -K) (Ibs.//	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. ay require heavier seeding rates to be altered to fit temperature bod NITROGEN Trace DRESSING R	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit OP ATE (lbs/ac)	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions.	Georgia Soil and Water ConservationCommission
Table 2 Fertilize	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need er Requirements for S FILIZER RATE -K) (Ibs.//) -12 1,500 -12 1,000	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. ay require heavier seeding rate to be altered to fit temperature Sod Sod E NITROGEN TO DRESSING R 50 - 100	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit OP ATE (lbs/ac)	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions.	Georgia Soil and Water ConservationCommission
Table 2 Fertilize YEAR FERT (N-P-I) 6-12- 6-12- 6-12- 92 6-12- 10-10	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need er Requirements for S FILIZER RATE -K) (Ibs.///) -12 1,500 -12 1,000 0-10 400	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. ay require heavier seeding rators be altered to fit temperature Sod Sod Sod 50 - 100 	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit OP ATE (lbs/ac)	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions.	Georgia Soil and Water ConservationCommission
Table 2 Fertilize YEAR FERT (N-P-1) 6-12 52 52 52 52 53 54 54 55 56 57 6-12 6-12 52 52 54 55 56 57 <	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need er Requirements for S FILIZER RATE -K) (Ibs.//) -12 1,500 -10 400 -12 1,500 -12 1,500 -12 1,500	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. ay require heavier seeding ra to be altered to fit temperature Sod Sod Sod 50 - 100 50 - 100 50 - 100	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit OP ATE (lbs/ac)	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions.	CEORGIA SOIL AND WATER CONSERVATION COMMISSION
Table 2 Fertilizer i YEAR FERT (N-P-1) 6-12 6-12 ice 10-10 6-12 6-12 ice 10-10	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need er Requirements for S FILIZER RATE -K) (Ibs.//) -12 1,500 -12 1,500 -12 1,500 -12 1,500 -12 1,500 -12 1,500 -12 1,500 -10 400	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. ay require heavier seeding ra to be altered to fit temperature Sod Sod Sod Sod 50 - 100 50 - 100 30	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions. <u>GSWCC</u> <u>MR. MARK E</u> Level II Certified	Seorgia Soil and Water ConservationCommission COOKE, PE Design Professional
Table 2 Fertilize FERT YEAR FERT 6-12 6-12 52 10-10 6-12 6-12 52 10-10	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need rr Requirements for S rillizer RATE -K) (Ibs./a) -12 1,500 -12 1,500 -12 1,500 -12 1,500 -12 1,500 -10 400	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. NITROGEN T acre) DRESSING R 50 - 100 50 - 100 50 - 100 30	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions. <u>GSWCC</u> <u>MR. MARK E</u> Level II Certified CERTIFICATION NUMBE ISSUED. <u>11/06/2018</u>	CEORGIA SOIL AND WATER CONSERVATION COMMISSION COOKE, PE Design Professional R 0000029484 EXPIRES: 11/06/2021
Table 2 Fertilizer YEAR FERT (N-P-1) 6-12 6-12 6-12 22 6-12 6-12 6-12 6-12 10-10 200 6-12 6-12 6-12 10-10	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need er Requirements for S FILIZER RATE -K) (Ibs.///) -12 1,500 -12 1,600 0-10 400 -12 1,500 -12 1,600 0-10 400	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. Nay require heavier seeding rate to be altered to fit temperature Sod Sod Sod 50 - 100 50 - 100 50 - 100 30	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions. <u>GSWCC</u> <u>MR. MARK E</u> Level II Certified CERTIFICATION NUMBE ISSUED.11/06/2018	Ceorgia Soil and Water ConservationCommission 2. COOKE, PE Design Professional R 0000029484 Expires: 11/06/2021 100% SUBMITTAL
Table 2 Fertilizei YEAR FERT (N-P-I) 6-12 <td>Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need er Requirements for S FILIZER RATE -K) (Ibs.//) -12 1,500 -12 1,500 -12 1,500 -12 1,500 -12 400</td> <td>0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. hay require heavier seeding ra to be altered to fit temperature Sod Sod Sod Sod Sol Sod Sol Sol Sol Sol Sol Sol Sol Sol</td> <td>Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit</td> <td>2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions. <u>CSWC(</u> <u>MR. MARK E</u> Level II Certified CERTIFICATION NUMBE ISSUED.11/06/2018</td> <td>CEORGIA SOIL AND WATER CONSERVATION COMMISSION COOKE, PE Design Professional CO00029484 EXPIRES: 11/06/2021 TOO% SUBMITTAL</td>	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need er Requirements for S FILIZER RATE -K) (Ibs.//) -12 1,500 -12 1,500 -12 1,500 -12 1,500 -12 400	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. hay require heavier seeding ra to be altered to fit temperature Sod Sod Sod Sod Sol Sod Sol Sol Sol Sol Sol Sol Sol Sol	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions. <u>CSWC(</u> <u>MR. MARK E</u> Level II Certified CERTIFICATION NUMBE ISSUED.11/06/2018	CEORGIA SOIL AND WATER CONSERVATION COMMISSION COOKE, PE Design Professional CO00029484 EXPIRES: 11/06/2021 TOO% SUBMITTAL
Table 2 Fertilizer YEAR FERT (N-P-1) 6-12 6-12 52 10-10 6-12 6-12 52 10-10 52 10-10	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need or Requirements for S FILIZER RATE -K) (Ibs.//) -12 1,500 -12 1,500 -12 1,000 -12 1,500 -12 400	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. hay require heavier seeding ra to be altered to fit temperature Sod Sod Sod Sod Sod Sod Sol - 100 - - - - - - - - - - - - -	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions. <u>CSWCC</u> <u>MR. MARK E</u> Level II Certified CERTIFICATION NUMBE ISSUED.11/06/2018	SEORGIA SOIL AND WATER CONSERVATIONCOMMISSION 2. COOKE, PE Design Professional R 0000029484 EXPIRES: 11/06/2021 100% SUBMITTAL DEKALB COUNTY DWM
Table 2 Fertilizei YEAR FERT (N-P-1) 6-12 6-12 52 10-10 52 6-12 52 10-10 53 6-12 54 10-10 55 10-10	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need r Requirements for S TILIZER RATE K) (Ibs./ 12 1,500 12 1,500 12 1,500 12 1,500 12 1,500 12 1,500 12 1,000 12 1,000 12 1,000 12 1,000 12 1,000 12 1,000 12 1,000 12 1,000 12 1,000 12 1,000 13 1,000 14 1,000 14 1,000 15 1,000	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. hay require heavier seeding rators be altered to fit temperature Sod Sod Sod Sod Sod Sod Sod Sol - 100 50 - 100 50 - 100 50 - 100 30 Sol - 100 50 - 100 50 - 100 0 9 Sol - 100 50 - 100 0 9 Sol - 100 0 0 9 Sol - 100 0 9 Sol - 100 Sol -	Block Sod Only 75 lbs 4 lbs. 40 lbs. Tes e variations and condit	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions. <u>CSWCC</u> <u>MR. MARK E</u> Level II Certified CERTIFICATION NUMBE ISSUED.11/06/2018 SCOTT BOU 30-IN WATER	CEORGIASOIL AND WATER CONSERVATION COMMISSION D. COOKE, PE Design Professional
Table 2 Fertilizei YEAR FERT (N-P-1 6-12 6-12 32 10-10 52 10-10 52 10-10	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need r Requirements for S TILIZER RATE -K) (Ibs./ -12 1,500 -12 1,500 -12 1,500 -12 800 -10 400	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. hay require heavier seeding rator be altered to fit temperature Sod NITROGEN T acre) DRESSING R 50 - 100 50 - 100 50 - 100 50 - 100 50 - 100 30 Sol - 100 50 - 100	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions.	CEORGIA SOIL AND WATER CONSERVATION COMMISSION COOKE, PE Design Professional NOT SUBMITTAL DEKALB COUNTY DWM LEVARD WATER MAIN REPLACEMENT-PHASE II COUNTY DWM LEVARD WATER MAIN REPLACEMENT-PHASE II CLINE UNDER MARTA/CSX RAILROAD CROSSING
Table 2 Fertilizei YEAR FERT (N-P-1) 6-12 6-12 52 10-10 52 10-10	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need r Requirements for S TILIZER RATE -K) (Ibs./a) -12 1,500 -12 1,500 -12 1,500 -12 800 -10 400	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. hay require heavier seeding ra to be altered to fit temperatur Sod Sod Sod Sol - 100 50	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions. <u>CSWCC</u> <u>MR. MARK E</u> Level II Certified CERTIFICATION NUMBE ISSUED.11/06/2018 SCOTT BOU 30-IN WATER VEC	CEORGIA SOLL AND WATER CONSERVATIONCOMMISSION COOKE, PE Design Professional Martines: 11/06/2021 TOO% SUBMITTAL DEKALB COUNTY DWM LEVARD WATER MAIN REPLACEMENT-PHASE II CLINE UNDER MARTA/CSX RAILROAD CROSSING CETATIVE NOTES
Table 2 Fertilizei YEAR FERT 6-12- 6-12- 22 10-10 6-12- 6-12- 32 10-10	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need r Requirements for S rILIZER RATE -K) (Ibs.// -12 1,500 -12 1,500 -12 1,500 -12 800 -10 400 -11 400 -12	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. NITROGEN T acre) DRESSING R 50 - 100 50 - 100 50 - 100 50 - 100 50 - 100 30 Sod REVISION DA REV DATE 0 09/24/19	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions. <u>GSWCC</u> <u>MR. MARK E</u> Level II Certified CERTIFICATION NUMBE ISSUED.11/06/2018 SCOTT BOU 30-IN WATEF VEC	CORORGIA SOIL AND WATER CONSERVATION COMMISSION A COOKE, PE Design Professional Market Main Replacement-Phase II COOM SUBMITTAL DEKALB COUNTY DWM LEVARD WATER MAIN REPLACEMENT-PHASE II CLINE UNDER MARTA/CSX RAILROAD CROSSING CETATIVE NOTES
Table 2 Fertilized YEAR FERT YEAR 6-12 6-12 6-12 Ge 10-10	Bermuda Centipede Lespedeza Weeping Lovegrass Switch Grass Notes: 1) Unusual site conditions m 2) Seeding dates may need r Requirements for S rILIZER RATE -K) (Ibs.// 12 1,500 -12 1,500 -12 1,500 -12 800 -10 400 -12 1,500 -10 400 -11 400 -12 1,500 -12 1,500 -12 1,500 -12 1,500 -14 400 -15 1,500 -16 400 -17 1,500 -17 1,500 -17 1,500 -18 1,500 -19 1,500 -19 1,500 -10 1,500 -1	0.2 lb. Block Sod Only 1.7 lbs. 0.1 lb. 0.9 lb. ay require heavier seeding ra to be altered to fit temperatur Sod Sod Sod Sol 100 50 - 100 50 - 100 50 - 100 50 - 100 0 50 - 100 30 Sol 100 50 - 100 0 9/24/19 0 09/24/19	Block Sod Only 75 lbs 4 lbs. 40 lbs. tes e variations and condit	2/15 - 7/1 4/1 - 7/1 1/1 - 12/31 2/1 - 6/15 3/15 - 6/1 tions. <u>GSWCC</u> <u>MR. MARK E</u> Level II Certified CERTIFICATION NUMBE ISSUED.11/06/2018 SCOTT BOU 30-IN WATER VEC	SECRICIA SOIL AND WATER CONSERVATIONCOMMISSION COOKE, PE Design Professional <u>0000029484</u> EXPIRES: <u>11/06/2021</u> 100% SUBMITTAL DEKALB COUNTY DWM LEVARD WATER MAIN REPLACEMENT-PHASE II C LINE UNDER MARTA/CSX RAILROAD CROSSING CETATIVE NOTES

G	ASSWCC EROSION, SEDIMENTATION AND POLLUTION CONTROL NOTES:	
1	APPLICABLE CHECKLIST:	
	See Sheet EC-05 for 2017 GASWCC infrastructure Projects checklist, NPDES General Permit GAR100002.	

- 2 LEVEL II CERTIFIED DESIGN PROFESSIONAL Mark D. Cooke, PE Certification No. 00029484 Expires 11/06/2021 **3 24-HOUR CONTACT** Name: Julio Trinid Phone: (404) 687-3457 **4 PRIMARY PERMITTEE** DeKalb County, Georgia - Department of Watershed Management 4572 Memorial Drive, Decatur, Georgia 30032 (404) 687-3457 5 TOTAL & DISTURBED ACREAGE Total Site Acreage: 7.03 Ac. (Total public right-of-way area in project limits) Disturbed Acreage: 1.86 Ac. under construction
- 6 GPS LOCATION OF PROJECT LIMITS BEGIN CONSTRUCTION: N: 33° 48' 00.7194" W: 84° 16' 50.5194" END CONSTRUCTION: N: 33° 46' 37.5594" W: 84° 16' 42.9594"
- 7 PLAN DATES AND DATES OF REVISION: See Plan Cover Sheet and/or border information for dates
- 8 DESCRIPTION OF CONSTRUCTION ACTIVITY:

The project includes the design for the construction of approximately 8,800 linear feet of new 30" water transmission main to replace an existing aging system. the tie-in points will join the sections previously design and constructed as Scott Blvd Water Main replacement Phase 1 and Phase 3 that is part of the Dekalb County's Capital Improvement Project (CIP).

The Phase II project area consists of public right-of-way AREAS FORM THE INTERSECTION OF LAWRENCEVILLE HIGHWAY AND DEKALB INDUSTRIAL WAY TO THE INTERSECTION OF GROVE PLACE AND E PONCE DE LEON streets totaling 7.03 acres located in Land Lots 248 of the 15th District of Dekalb County, Georgia. The project area is majority light industrial-zoned properties. The area disturbed under this permit is 1.86 Acres. Proposed land disturbance activity includes excavation, boring, utility relocation, pipeline installation, backfill, paving and the installation of water appurtenances including but not limited to service lines, fire hydrants, meters, valves and fittings. Existing water mains will be abandoned in

BMP measures will be required to prevent the escape of sediment from the site.

Construction site storm water from this project discharges to tributaries of South Fork Peachtree Creek. The project construction will occur in various zoned areas. Several freshwater ponds, lakes and freshwater forested wetland areas are located within 1-2 miles of the project limits. Because of the limited land disturbance required to install the 30" water transmission line, no major impacts to sensitive areas are expected by this project.

Of the 1.86 Acres disturbed, 1.86 Acres of construction storm water runoff will drain northward into South Fork Peachtree Creek. South Fork Peachtree Creek is an impaired stream, located 0.8 miles north of the project site. South Fork Peachtree Creek currently is not currently supporting its designated use (fishing). The stream is impaired due to fecal coliform and biota impairment, and has a TMDL Implementation plan completed in 2017 for fecal coliform and biota impairment. The site is located the Chattahooche river basin.

Because the primary cause of impairment to South Fork Peachtree Creek is urban runoff and the project site is heavily developed, it is not anticipated that this project will add further impairment, nor add any additional sources of biota impairment or fecal coliform to the waterway. his project does not increase impervious surfaces and does not change grading patterns. Consistent and diligent application of erosion, sediment and pollution control practices and measures during construction will help protect all downstream storm water conveyance systems.

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

MARK D COOKE P F GSWCC#0000029484

GSWCC#0000029484

12 PLAN DESIGNER CERTIFICATION LCERTIEV THAT THE PERMITTEE'S EROSION. SEDIMENTATION AND POLILITION 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

AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100002.

MARK D. COOKE, P.E GSWCC#0000029484

13 REPRESENTATIVE SAMPLING CERTIFICATION "I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for the monitoring of: (a) all perennial and intermittent streams and other water bodies shown on the USGS topographic map and all other field verified 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 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 sampled receiving water will be representative of the increase in the turbidity of a specific identified un-sampled receiving water.'

RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES

Taxouns MARK D. COOKE, P.I DATE

14 THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE

REQUIREMENTS, PERIMETER CONTROL BMPs, AND SEDIMENT BASINS IN ACCORDANCE WITH PART IV.A.5. WITHIN 7 DAYS AFTER INSTALLATION. 15 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.

- 16 NO BUFFER ENCROACHMENTS WILL OCCUR ON THIS PROJECT. NO BUFFER VARIANCE IS REQUIRED.
- 17 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
- 18 WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY SECTION 404 PERMIT.
- 19 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.
- 20 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.

III.D.1. of this permit.

must be included on the plan

25 year, 24 hour rainfall event.

a. RISK REDUCTION: PETROLEUM, FERTILIZERS AND PAINT PRODUCTS • AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.

- THE GROUND IN SECURELY FASTENED LIDS. SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
- MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
- ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS (MSDS) WILL BE RETAINED.
- DISPOSAL WILL BE FOLLOWED.
- I FAKAGE. ALL PRODUCTS SHALL BE STORED AND USED IN AN AREA THAT PROVIDES A SECONDARY CONTAINMENT FEATURE, AND SHALL BE
- COVERED AND ACCESS RESTRICTED TO EMPLOYEES ONLY.
- USE PROPER RECEPTACLES TO DISPOSE OF CONTAMINATED WASTES THAT CANNOT BE RECYCLED IN CONFORMANCE WITH FEDERAL, STATE AND/OR LOCAL REGULATIONS.
- OR DRAINAGE CHANNELS.
- EQUIPMENT MAINTAINED.
- POST INFORMATIONAL MATERIALS REGARDING CHEMICAL CONTROL.
- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP SHALL BE AVAILABLE ON-SITE.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY. • KEEP TRAINED STAFF IN SPILL RESPONSE ON CALL.
- INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- REGARDLESS OF THE SIZE.

WILL ALSO BE INCLUDED. 26 MEASURES INSTALLED DURING CONSTRUCTION TO CONTROL POLLUTANTS IN STORM WATER AFTER OPERATIONS COMPLET

COVER. NO ALTERNATIVE BMP'S ARE BEING USED ON THIS PROJECT.

DEBRIS THAT IS GENERATED WILL BE BURIED ON SITE. 27 PRACTICES TO REDUCE POLLUTANTS IN STORM WATER DISCHARGES

STORM WATER DISCHARGES AND PROVIDE WATER QUALITY TREATMENT. 28 ESTIMATED TIMELINE OF SEQUENCE OF MAJOR LAND DISTURBING ACTIVITIES: ANTICIPATED BEGINNING OF CONSTRUCTION: 12/01/2019

ANTICIPATED END OF CONSTRUCTION: 08/01/2020

ITEM

MOBILIZATION INSTALLATION AND MAINTENANCE OF SEDII

- INSTALLATION OF WATER MAIN CONCRETE SIDEWALK & CURB RESTORATION PAVEMENT REPAIR
- PERMANENT GRASSING AND LANDSCAPING REMOVE TEMPORARY SEDIMENT CONTROL S DEMOBILIZATION
- 29 INSPECTIONS AND RECORD KEEPING a. PERMITTEE REQUIREMENTS
- UNTIL A NOTICE OF TERMINATION IS SUBMITTED.
- APPROPRIATE FOR THE REGION.

21 ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING. 22 THE SITE IS LOCATED LESS THAN 1 MILE UPSTREAM OF A TRIBUTARY OF SOUTH FORK PEACHTREE CREEK, AN IMPAIRED STREAM. THE FOLLOWING APPENDIX 1 ITEMS MAY BE INCORPORATED INTO THE PROJECT:

d. A large sign (minimum 4 feet by 8 feet) must be posted on site by the actual start date of construction. The sign must be visible from the public roadway identifying the following: (1)the construction site, (2)the permittee(s), (3)the contact person(s) along with their telephone number(s), (4) and the permittee-hosted website where the plan can be viewed. The permittee-hosted website where the plan can be viewed must be provided on the submitted NOI. The sign must remain on the site and the plan must be available on the provided website until a NOT has been submitted. e. Use flocculants or coagulants and/or mulch to stabilize all areas left disturbed for more than seven (7) calendar days in accordance with Part

i. Limit the amount of area disturbed at any one time to no greater than 25 acres or 50% of the total planned site, whichever is less, all calculations

m. Use appropriate erosion control slope stabilization instead of concrete in all construction stormwater ditches and storm drainages designed for a

A TMDL Implementation Plan exist for South Fork Peachtree Creek (GAR031300011207) for fecal coliform dated revised November 2008. As noted in the report "Fecal permitted MS4 areas may also be significant, but these sources cannot be easily segregated from other form in urban areas include wastes that are attributable to domestic animals, leaks and discharges of sanitary waste, leaking septic systems, runoff from improper disposal of waste materials, and leachate

> alb County, Georgia land development regulations and will comply with the NPDES permit limits and requirements. ater management practices and application of bmps which will aid in reduce nonpoint sources of fecal coliform. as t Management Practices (BMP) Database Pollutant Category Statistical Summary report dated May 2017.

TRUCTION SITE IS PROHIBITED. Concrete washdown of tools, concrete mixer chutes, hoppers and the a designated area provided for this purpose, as shown on the drawings.

ETROLEUM SPILLS AND LEAKS:

ERIALS, INCLUDING BUILDING MATERIALS, SHALL BE PROPERLY DISPOSED OF OR REMOVED FROM THE SITE) SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE. EXCEPT AS AUTHORIZED BY A SECTION 404 ALL WASTE MATERIALS (SOLID OR HAZARDOUS) SHALL BE IN ACCORDANCE WITH ALL RECOGNIZED LOCAL DISPOSAL SHALL BE TO APPROVED OFF-SITE WASTE FACILITIES. ALL PERSONNEL WILL BE INSTRUCTED JRE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED IN THE APPROPRIATE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS WILL BE RESPONSIBLE FOR SEEING THAT

FF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MAXIMUM EXTENT PRACTICAL. A STABILIZED CONSTRUCTION ENTRANCE HAS BEEN PROVIDED TO HELP MENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE CLEANED AS NECESSARY TO REMOVE RACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE AS NEEDED BASIS

NDITIONS WARRANT, ALL SANITARY WASTE WILL BE MANAGED APPROPRIATELY BY EITHER AN ONSITE MINIMUM OF ONCE PER WEEK BY THE LOCAL MUNICIPALITY AND/OR STATE OF GEORGIA LICENSED DNTRACTOR, OR WITH A MANAGEMENT PLAN THAT ROUTES INDIVIDUALS TO A LEGAL AND APPROPRIATE

(4) SPILL REMEDIATION MANAGEMENT PRACTICES: THE FOLLOWING ARE THE BEST MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES, AS WELL AS A CLEAN-UP PLAN IF NECESSARY:

PRODUCTS WILL BE STORED IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL, AND MUST BE KEPT OFF

WHENEVER PRACTICAL, ALL OF A PRODUCT WILL BE USED BEFORE DISPOSING OF THE CONTAINER.

• THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS.

• IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF

LOCATED IN AN AREA WITH THE LEAST FORESEEABLE IMPACT IF A CATASTROPHIC EVENT SHOULD OCCUR. FACILITIES SHOULD BE

• FERTILIZERS USED WILL BE APPLIED ONLY IN MINIMUM AMOUNTS AS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

KEEP FLAMMABLE LIQUIDS IN CLOSED CONTAINERS WHEN NOT IN USE.

DO NOT DUMP PETROLEUM PRODUCT WASTE, PESTICIDES, FERTILIZERS, PAINTS OR OTHER CHEMICALS INTO SEWERS, STORMDRAINS

• PREVENT SPILLS OF PETROLEUM PRODUCTS FROM OCCURRING BY TAKING SPECIAL CARE WHEN HANDLING, AND KEEP FACILITIES AND

• USE SPILL PROOF CONTAINERS AND FUNNELS WHEN TRANSFERRING FLUIDS FROM ONE CONTAINER TO ANOTHER.

b. SPILL CONTROL PLAN: THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

 EMERGENCY CONTACT NUMBERS FOR SPILLS SHALL BE AVAILABLE ON-SITE MANUFACTURERS' RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE ON SITE

• THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT

 SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE LOCAL OR FEDERAL GOVERNMENT AGENCY. • THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND

HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES

ROSION CONTROL BMPS WILL BE INSTALLED TO PREVENT SEDIMENT FROM LEAVING THE SITE. SOIL EROSION AND SEDIMENT CONTROL WILL BE DONE USING A CONSTRUCTION EXIT , SILT FENCE, TEMPORARY SEDIMENT BASINS, INLET SEDIMENT TRAPS, DUST CONTROL AND GROUND

OTHER POLLUTION CONTROL MEASURES FOR THE SITE INCLUDE PROPER WASTE DISPOSAL, PROPER MAINTENANCE OF CHEMICAL STORAGE TANKS, PREVENTION OF EROSION FROM EGRESS, SANITARY SEWERAGE DISPOSAL AND ON-SITE VEHICLE STORAGE AND MAINTENANCE. NO

OLLUTION CONTROL MEASURES FOR THE SITE INCLUDE PROPER WASTE DISPOSAL, PROPER MAINTENANCE OF CHEMICAL STORAGE TANKS, PROPER SANITARY SEWERAGE DISPOSAL. THE SITE WILL INCLUDE STORM WATER MANAGEMENT AND VEGETATED AREAS TO ATTENUATE

CONSTRUCTION ACTIVITY SCHEDULE (BASE BID)

	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6	MONTH 7	MONTH 8
MENT CONTROL								
1								
TRUCTURES							-	

(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

(2). MEASURE RAINFALL ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY UNTIL A NOTICE OF TERMINATION IS SUBMITTED. 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

(3). CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN 29 INSPECTIONS AND RECORD KEEPING (CONT.):

WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHIC OCCURS FIRST): (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE : (B) AREAS USED BY THE PRIMAR FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION ; AND (C) STRUCTURAL CONTROL MEASURES. EROSION A SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERV ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE. THEY SHALL E TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVI FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND OF TARGET PERENNIALS APPROPRIATE FOR THE REGION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4). THESE INSP

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 TE PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZAT ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. THESE AREAS INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLILITANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S) AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTL DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURE FEFECTIVE 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 ME. IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE N THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOC 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 D 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 IV.D.4.A.(5). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNA UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STAE AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND B AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPER AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION RE

CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THIS PERMIT. 30 SAMPLING FREQUENCY AND REPORTING:

SAMPLING FREQUENCY:

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

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

(3) SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING QUALIFYING EVENTS:

(A). FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR FROM AN OUTFALL, THE FIRST RAIN EVEN REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORMAL BUSINESS HOURS AS IN THIS PERMIT AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION GRADING OPERATIONS, 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 WATER OR FROM AN OU

FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH WITH A STORMWATER DISCHARGE THAT OCCURS DURING NORM. HOURS AS DEFINED IN THIS PERMIT FITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OF HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS TH REPRESENTATIVE SAMPLING LOCATION, WHICHEVER COMES FIRST;

(C). AT THE TIME OF SAMPLING PERFORMED PURSUANT TO (A) AND (B) ABOVE, IF BMPS IN ANY AREA OF THE SITE THAT D TO A RECEIVING WATER OR FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIV 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 DU NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSP DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;

(D). WHERE SAMPLING PURSUANT TO (A), (B) OR (C) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.A.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (A), (B) OR (C) ABOVE; AND

(E). EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS THAT HAVE MET THE SAMPLING REQUIRED BY (A) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (B). THOSE EXISTING CON ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (B) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL OTHER THAN AS REQUIRED BY (C) ABOVE.

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

REPORTING

1. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD BY THE FIFTEENTH DAY OF FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCOR THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY I APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANAL' STORMWATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERM REPORTED IN A SIMILAR MANNER TO THE EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD USING THE ELECTRONIC SERVICE PROVIDED BY EPD. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SU ACCORDANCE WITH PART VI

2. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:

A. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS; B. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;

C. THE DATE(S) ANALYSES WERE PERFORMED;

D. THE TIME(S) ANALYSES WERE INITIATED:

E. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;

F. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USE G. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR USED TO DETERMINE THESE RESULTS;

H. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND

I. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.

3. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMIT READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME SUBMITTED IN ACCORDANCE WITH PART VI.

31 RETENTION OF RECORDS

1. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHAL AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME SUBMITTED IN ACCORDANCE WITH PART VI:

A. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD; B. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT;

C. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PA THIS PERMIT:

32 ANALYTICAL METHODS: SAMPLE TYPE

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

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

(3). LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPI SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.

(4). MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLC AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVA THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURIN QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY

TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED. (5). SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STA 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 S OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND IN STREAMS AND OTHER WATER BODIES, OR ALL OUTFALLS INTO SUCH STREAMS AND OTHER WATER BODIES, OR A CO THEREOF. HOWEVER, PROVIDED FOR IN AND IN ACCORDANCE WITH PART IV.D.6.C.(2). OF THIS PERMIT, PRIMARY PERMI INFRASTRUCTURE CONSTRUCTION PROJECT MAY SAMPLE THE REPRESENTATIVE PERENNIAL AND INTERMITTENT STRE WATER BODIES OR OUTFALLS, OR A COMBINATION THEREOF, SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH

ATKINS 1600 Riveredge Parkway, Suite 700 Atlanta, Ga 30328 P: 770-933-0280

CHEVER	32 ANALYTICAL METHODS (CONT.): SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S)
RY PERMITTEE	AND/OR THE STORMWATER 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
YED TO BE INSPECTED	FIRST STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE STIE) BUT DOWNSTREAM OF ANY OTHER STORMWATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL LIPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE
D A SEEDING	TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.
ERM OF THIS	STORMWATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORMWATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL
TION OR SHALL BE . EROSION	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.
Y. WHERE ES ARE	(C). IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL CHANNEL(S).
ASURES	(D). CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORMWATER CHANNEL.
NOT LATER ON AS	(E). THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.
ATE(S) OF	(F). THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEDKIS. (G). PERMITTEES DO NOT HAVE TO SAMPLE SHEET FLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT, FOR DURDOSES OF THIS SECTION. STABILIZED SHALL MEAN. FOR UNDAVED AREAS AND AREAS NOT COVERED BY DEDMANENT
WITH PART	STRUCTURES, 100% OF THE SOLL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR
BILIZATION BUSINESS DAY	EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION) FOR INFRASTRUCTURE CONSTRUCTION PROJECTS ON LAND LISED
LY INSTALLED EPORT SHALL	FOR AGRICULTURAL OR SILVICULTURAL PURPOSES, FINAL STABILIZATION MAY BE ACCOMPLISHED BY STABILIZING THE DISTURBED LAND FOR ITS AGRICULTURAL OR SILVICULTURAL USE.
N AND	(H). ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORMWATER RUNOFF FROM THE CONSTRUCTION SITE IS
	IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3. OR III.D.4., WHICHEVER IS APPLICABLE.
ESCRIBED O A	33 APPENDIX B RATIONALE FOR NTU VALUES AT OUTFALL SAMPLING POINTS (WHERE APPLICABLE): N/A
S	34 <u>SAMPLING LOCATIONS:</u> N/A
ND THE E (12) HOURS	35 DESCRIPTION OF APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE INCLUDING:
	(1) INITIAL PHASE BMPs: a. INSTALL TREE PROTECTION FENCING PRIOR TO ANY LAND DISTURBANCE ACTIVITY.
NT THAT DEFINED	b. INSTALL PERIMETER SILT FENCE PRIOR TO ANY LAND DISTURBANCE ACTIVITY. c. INSTALL TEMPORARY SEDIMENT TRAPS.
OF MASS ION;	d. INSTALL 4' x 8" SIGN AS REQUIRED BY APPENDIX 1, ITEM D. (2) INTERMEDIATE & FINAL PHASE BMPs (no mass grading operations):
JTFALL, THE IAL BUSINESS	a. MAINTAIN BMPs INSTALLED IN INITIAL PHASE. b. INSTALL SEDIMENT BARRIERS
PERATIONS HE	C. PROVIDE DUST CONTROL, TEMPORARY PROTECTION (MULCHING) AND TEMPORARY SEEDING.
DISCHARGES	f. PROVIDE PERMANENT VEGETATION.
/E ACTION M	g. REMOVE TEMPORARY STRUCTURAL BIMPS AT CONCLUSION OF LAND DISTURBANCE ACTIVITIES.
URING PECTIONS	36 SEE PLAN SHEETS EC-01 FOR NORTH ARROWS AND GRAPHIC SCALES.
E THERE WAS	37 SEE PLAN SHEETS EC-01 FOR EXISTING AND PROPOSED CONTOUR LINES. PLAN SCALES ARE AT 1" = 30
THE PERMITTEE	38 NO ALTERNATIVE BMPS ARE PROPOSED FOR USE ON THIS PROJECT
PERMIT,	39 NO ALTERNATIVE BMPs ARE PROPOSED FOR USE ON THIS PROJECT
SAMPLING	40 SEE PLAN SHEETS EC-01 THROUGH EC-14 FOR DELINEATION OF STATE AND LOCAL BUFFERS. NO BUFFER AREAS WILL BE IMPACTED BY THIS SEGMENT OF THE PROJECT.
	41 SEE PLAN WETLANDS MAP BELOW FOR DELINEATION OF STATE WATERS LOCATED ON AND WITHIN 200' OF THE PROJECT SITE. BASED ON
WEEK.	A REVIEW OF THE NATIONAL WETLANDS INVENTORY MAPS, THIS SEGMENT OF THE PROJECT HAVE NO KNOWN WETLANDS EXIST WITHIN THE PROJECT LIMITS.
	U.S. Fish and Wildlife Service Wetlands Inventory Wetlands map
THE MONTH	PROJECT START
YSIS OF ANY	2 Desmond Cit Bit and Cit Bit and Cit Bit Bit Bit Bit Bit Bit Bit Bit Bit B
C SUBMITTAL	
	N Descarator Scottale Scottale State
	PROJECT END
	1.30.093 Avondale Estates
D;	September 5, 2019
TAPES, ETC.,	Wetlands Freshwater Emergent Wetland Lake base dia show on the map. A vetworks related data should be used in accounce with the typer web atth. Estuarine and Marine Wetland Freshwater Forested/Shrub Wetland Other
OR SIMILAR	REFER TO BASIN MAP ON SHEET EC-18 FOR DELINEATION AND ACREAGE OF CONTRIBUTING DRAINAGE BASINS.
TAL SHALL BE	
AS A NUT IS	
AS A NOT IS	
ART IV.A.5. OF	
PROCEDURES	
OWENT, LFA	
	GSWCCGeorgiaSoil and ConservationCommission
ATED DURING	
Y CALIBRATED	DEKALB COUNTY DWM (404) 687-3457
ATED IN THIS	Level II. Certified Design Professional 1.86 AC
TREAMS AND	
NTERMITTENT OMBINATION	CertificationNumber 0000029484
ITTEES ON AN EAMS, OTHER	LISSUED: 11/06/2018 EXPIRES: 11/06/2021 100% SUBMITTAL
THIS PERMIT	REVISION DATES
-	REV DATE BY DEKALB COUNTY DWM
	0 09/24/19 EFR 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING
ntv-	DRAWING No.
	EC-17

GaSWCC EROSION, SEDIMENTATION AND POLLUTION CONTROL NOTES (cont.):

43 ON AND OFF-SITE DRAINAGE BASIN MAP: PROJECT START PROJECT END

DEKALB INDUSTRIAL WAY - BASIN AREA MAP

REPRESENTATIVE SAMPLING POINT

OFF-SITE WATERSHED DESCRIPTION:

THIS 134-ACRE BASIN CONSISTING OF RESIDENTIAL AND COMMERCIAL PROPERTIES PRODUCE STORM WATER RUNOFF SHEET FLOWS THAT ENTER THE RIGHT-OF-WAY OF DEKALB INDUSTRIAL WAY INTO ENCLOSED STORM SEWER SYSTEMS WHICH CROSS UNDER DEKALB INDUSTRIAL WAY. STORM WATER IN THIS ENCLOSED SYSTEM CONTINUES TO FLOW NORTHWARD AND DISCHARGE INTO SOUTH FORK PEACHTREE CREEK TRIBUTARY C.

SYSTEMS OR OUTFALL POINTS.

IMPAIRED STREAM: SOUTH FORK

PEACHTREE CREEK (GAR031300011207)

134-ACRE BASIN TO SOUTH FORK

PEACHTREE CREEK TRIBUTARY C

46 SEE SOIL SURVEY MAP BELOW FOR SOIL SERIES DELINEATIONS.

Natural Resources Conservation Service

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
СеВ	Cecil sandy loam, 2 to 6 percent slopes	0.6	0.3%
CuC	Cecil-Urban land complex, 2 to 10 percent slopes	13.1	6.6%
GeC	Gwinnett sandy loam, 6 to 10 percent slopes	6.1	3.1%
GeD	Gwinnett sandy loam, 10 to 15 percent slopes	9.3	4.7%
GeE	Gwinnett sandy loam, 15 to 30 percent slopes	6.3	3.2%
GwD2	Gwinnett sandy clay loam, 10 to 15 percent slopes, eroded	6.6	3.3%
HsB	Hiwassee sandy loam, 2 to 6 percent slopes	4.6	2.3%
PfC	Pacolet sandy loam, 2 to 10 percent slopes	9.4	4.8%
PfE	Pacolet sandy loam, 15 to 30 percent slopes	11.5	5.8%
PuE	Pacolet-Urban land complex, 10 to 25 percent slopes	1.1	0.5%
Tf	Toccoa sandy loam, 0 to 2 percent slopes, frequently flooded	20.8	10.5%
То	Toccoa sandy loam, high	1.6	0.8%
Ud	Urban land	107.2	54.1%
Totals for Area of Interest	· · · · · · · · · · · · · · · · · · ·	198.2	100.0%

- ACTIVITIES OTHERWISE REQUIRED TO PROVIDE SEDIMENT STORAGE.

- WILL TAKE PLACE CAN BE FOUND ON SHEET EC-16.

44 THIS PROJECT INCLUDES INSTALLATION OF A LINEAR PIPELINE, DOES NOT INCREASE IMPERVIOUS AREA, DOES NOT GROUND COVER, AND DOES NOT CHANGE SLOPE OF THE BASIN OR ALTER STORM WATER PATTERNS IN ANY WAY. THE ENGINEER CERTIFIES THAT THERE WILL BE NO CHANGE IN RUNOFF COEFFICIENT OR PEAK DISCHARGE FLOW OF THE SITE DUE TO CONSTRUCTION UNDER THIS

45 THERE ARE NO PROPOSED STORM DRAIN PIPE SYSTEMS AND NO PROPOSED MODIFICATION TO ANY EXISTING STORM DRAIN

Web Soil Survey National Cooperative Soil Survey 9/5/2019 Page 1 of 3

47 LIMITS OF DISTURBANCE ARE SHOWN ON COVER SHEET AND ALL EROSION CONTROL PLAN SHEETS.

48 PROVIDING A MINIMUM OF 67 CYDS OF SEDIMENT STORAGE PER ACRE DRAINED CANNOT BE ACCOMPLISHED ON THIS PROJECT DUE TO THE NATURE OF THE TYPE OF LAND DISTURBANCE TO OCCUR DURING UTILITY INSTALLATION. THE PROPOSED 8" DIP WILL BE INSTALLED IN AN EXISTING PAVED AREA USING OPEN CUT TRENCHES IN MOST PLACES THAT WILL APPROXIMATE 4 FEET IN WIDTH. SILT FENCING ALONG THE BACK OF CURB AREAS WILL BE INSTALLED, INLET PROTECTION BMPS WILL BE UTILIZED AND METAL PLATES WILL BE UTILIZED TO COVER ANY OPEN TRENCHES TO PREVENT THE ESCAPE OR TRANSPORT OF SEDIMENT FROM THE UTILITY TRENCHES. BY CONSTRUCTING THE PIPELINE IN THIS MANNER, THE PROJECT MINIMIZES LAND DISTURBING

49 THE LOCATION OF BEST MANAGEMENT PRACTICES CONSISTENT WITH THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA AND UNIFORM CODING SYSTEM SYMBOLS WITH LEGEND CAN BE FOUND ON SHEET EC-01 THROUGH EC-14.

50 DETAILED DRAWINGS FOR ALL STRUCTURAL PRACTICES CAN BE FOUND ON SHEET EC-15.

51 PROVISIONS FOR VEGETATIVE BMPS CAN BE FOUND ON SHEETS EC-01 THROUGH EC-14. SITE SPECIFIC INFORMATION REGARDING SPECIES, PLANTING DATES AND SEEDING, FERTILIZER, LIME AND MULCHING RATES APPLICABLE TO THE TIME OF YEAR SEEDING

1600 Riveredge Parkway, Suite 700 Atlanta, Ga 30328 P: 770-933-0280

		Level II	SWC(MR. MARK D Certified I	Georgia Soil and ConservationCommission D. COOKE, PE Design Professional Design And Conservation Design Professional	
		Certific. Issued:	ationNumber 11/06/2018	EXPIRES: 11/06/2021 100% SUBMITTAL	
	REV REV 0	ISION DATE DATE 09/24/19	S BY EFR	DEKALB COUNTY DWM SCOTT BOULEVARD WATER MAIN REPLACEMENT-PHASE II 30-IN WATER LINE UNDER MARTA/CSX RAILROAD CROSSING	
-				EROSION CONTROL	
nty				NOTES DRAWING N EC-18	10. 3

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0.		

Director

Andrew A. Baker, AICP

Revised 1/31/2017

EROSION, SEDIMENTATION & POLLOTION CONTROL PLAN CHECKLIST INFRASTRUCTURE CONSTRUCTION PROJECTS							
SWCD:DEKALB COUNTY, GAProject Name: SCOTT BOULEVARD WATER MAIN REPLACEMENT							
Address:_INTERSECTION OF LAWRENCEVILLE HWY (US 78) & DEKALB INDUSTRIAL WAY TO THE INTERSECTION OF							
GROVE PL & PONCE DE LEON AVE. 09/24/2019							
City/County:DEKALB COUNTYDate on Plans:OTZ + 2010							
Plan							
Page #	Y/N	TO BE SHOWN ON ES&PC PLAN					
EC-19	Y	1 The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of January 1					
		of the year in which the land-disturbing activity was permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)					
ALL ESC							
SHEETS	Υ	2 Level II certification number issued by the Commission, signature and seal of the certified design professional.					
		(Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)					
ALL ESC SHEETS	Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.					
EC-17	Υ	4 Provide the name, address and phone number of primary permittee.					
EC-17	Y	5 Note total and disturbed acreage of the project or phase under construction.					
COVER	Y	6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in					
		decimal degrees.					
TBLK	Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.					
EC-17	Y	8 Description of the nature of construction activity.					
COVER	Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.					
EC-17	Y	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.					
EC-17	Υ	11 Design professional's certification statement and signature that the site was visited prior to development of the ES&PC					
		Plan as stated on page 15 of the permit.					
EC-17	Υ	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate					
		and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit.*					
EC-17	Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative					
		sampling as stated on page 26 of permit as applicable.*					
EC-17	Ŷ	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the					
		within 7 days after installation."*					
EC-17	Y	15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream					
		buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured					
		from the Jurisdictional Determination Line without first acquiring the necessary variances and permits."					
N/A	N/A	16 Provide a description of any buffer encroachments and indicate whether a buffer variance is required.					
EC-17	Y	17 Clearly note the statement that "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."*					
EC-17	Y	18 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a					

	тн	E E TH	S&PC PLAN MUST INCLUDE AT LEAST F E SITE WHICH DISCHARGE TO A IMPAIR APPROVED IN WRITING A REQUEST T The four items chosen must be appropriate
Plan	Included		
Page #	Y/N		
		a.	During construction activities, double the wi waters requiring a buffer and the 50 foot un "trout streams" requiring a buffer. During co buffers that are increased in width.
		b.	Increase all temporary sediment basins and storage of at least 3600 cubic feet (134 cub
		C.	Use baffles in all temporary sediment basin the conventional flow path length to the out
	Y	d.	A large sign (minimum 4 feet x 8 feet) must a public roadway identifying the constructio number(s) until a NOT has been submitted.
	Y	e.	Use anionic polyacrylamide (PAM) and/or n calendar days in accordance with Part III. D
		f.	Conduct turbidity sampling after every rain recognizing the exceptions specified in Part
		g.	Comply with the applicable end-of-pipe turb O.C.G.A. 12-7-6 (a)(1).
		h.	Reduce the total planned site disturbance to State-mandated buffer areas from such call
	Y	i.	Limit the amount of disturbed area at any o site, whichever is less. All calculations mus
		j.	Use "Dirt II" techniques available on the EP anionic PAM) to model and manage constru- must be included on the Plan.
		k.	Add appropriate organic soil amendments (sampling to a depth of six (6) inches to doc construction site.
		I.	Use mulch filter berms, in addition to a silt f (including sheet flow) may be discharged. N concentrated flow.
	Y	m.	Apply the appropriate Georgia Department bonded fiber matrix to all slopes steeper that
		n.	Use appropriate erosion control matting or and storm drainages designed for a 25 yea
		0.	Use anionic PAM under a passive dosing m ditches and storm drainages that feed into t

APPENDIX 1

FOUR (4) OF THE FOLLOWING BMPS FOR THOSE AREAS OF RED STREAM SEGMENT AND FOR SITES WHICH EPD HAS TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME. te for the site conditions.

width of the 25 foot undisturbed vegetated buffer along all State Indisturbed vegetated buffer along all State waters classified as construction activities, EPD will not grant variances to any such

nd retrofitted storm water management basins to provide sediment ubic yards) per acre drained. ins and retrofitted storm water management basins to at least double

utlet structure. st be on the site on the actual start date of construction visible from ion site, the permittee(s), and the contact person(s) and telephone

mulch to stabilize areas left disturbed for more than seven (7)

D.1. of the NPDES Permit. n event of 0.5 inch or greater within any 24 hour period, art IV.D.6.d. of the NPDES Permits.

rbidity effluent limit, without the "BMP defense" as provided for in

to less than 50% impervious surfaces (excluding any alculations). All calculations must be included on the plan.

one time to no greater than 25 acres or 50% of the total planned ust be included on the plan. PD website, www.gaepd.org (e.g., seep berms, sand filters,

ruction storm water runoff (including sheet flow). All calculations

e (e.g., compost) and conduct pre- and post-construction soil cument improved levels of soil carbon after final stabilization of the

t fence, on the site perimeter wherever construction storm water Mulch filter berms cannot be placed in waterways or areas of

t of Transportation approved erosion control matting or blankets or han 3:1. All graphical illustrations must be included on the Plan. r blankets instead of concrete in all construction storm water ditches ar, 24 hour rainfall event.

method (e.g., flocculant blocks) within construction storm water b temporary sediment basins and retrofitted management basins.

ion of erosion and	Existing Contours USGS 1": 2000' Topographical Sheets Proposed Contours 1": 400' Centerline Profile
ntation of the approved	N/A 38 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org
s shall be implemented	N/A 39 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for
e stabilized with mulch	Erosion & Sediment Control in Georgia 2016 Edition.*
linear mile upstream y with Part III. C. of the	SHEETS Y 40 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
e site which discharge	EC-17 Y 41 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site. EC-17 Y 42 Delineation and acreage of contributing drainage basins on the project site.
conditions or	EC-17 Y 43 Delineate on-site drainage and off-site watersheds using USGS 1" :2000' topographical sheets. EC-17 Y 44 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are
Washout of the drum	completed. EC-17 Y 45 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion
s in storm water that	Identify/Delineate all storm water discharge points. EC-17 Y 46 Soil series for the project site and their delineation.
	ALL ESC PLAN SHEETS V 47 The limits of disturbance for each phase of construction
he major portions of n activities, utility	EC-17 Y 48 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excepted inlet sediment traps for each common drainage location. Sediment storage
	volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justfication explaining the decision to use equivalent controls when a sediment basin is not attainable
	must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must be
	included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize cultor structures that withdraw water from the surface, unloss infersible. If outlet structures that withdraw water from
h storm water is	the surface are not feasable, a written justification explaining this decision must be included in the plan.
oling as applicable.* ncluding: (1) initial	PLAN SHEETS Y 49 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend
BMPs, and (3) final MPs, the BMPs into a single	EC-15 Y 50 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Frosion and Sediment Control in Georgia.
	EC-16 Y 51 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding.
	will take place and for the appropriate geographic region of Georgia.
lowing:	*If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream the * checklist items would be N/A. Effective January 1, 2018
l	
p. Install soft or a minimum 20 toot width (in lieu of seeding) after final grade has been a perimeter wherever storm water (including sheet flow) may be discharged. C. Corduct soil lests to identify and to implement sile-specific fertilizer needs. C. Certified personnel for primary permittees shall conduct inspections at least twice even days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in Part IV.D.4. a(3).(a) – (c); and tertiary permittees Part IV.D.4. c(3).(a) – (c); and tertiary permittees performance has been documented to be superior to conduct the performance (period) and communication. (If using this item please refer to the Alternative BMP guidance docum www.gaswoc.georgia.gov) U. U. Unit the total planned site disturbance to less than 15% impervious surfaces (excludition). (If using this item please shall conduct inspections at least once even (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall greater in accordance with Part IV.D.4. a(3).(a) – (c) of this permit.	exerved, derights sile reaces sell vegetation is investicated BMPs as reaces sell vegetation is investicated BMPs as reace sell vegetation is investicated BMPs as reace sell vegetation is investicated BMPs as reaces sell vegetation is investicated BMPs as reac
	Issued: 1/00/2010 Expires: 11/00/2021 100% SUBMITTAL
INS	REVISION DATES DEKALB COUNTY DWM REV DATE BY 0 09/24/19 EFR 0 09/24/19 EFR
rkway, Suite 700	ES&CP CHECKLIST
DeKalb Court	DRAWING No.
GEORGIA	EC-19

1600 Riveredge Par Atlanta, Ga P: 770-933

