Request for Bids

City of Walnut Grove Park Street Streambank Stabilization

July 28, 2021

Sealed bids will be received by the City of Walnut Grove, Georgia, for furnishing all materials, labor, tools, equipment, and any other miscellaneous items necessary for the Park Street Streambank Stabilization. The City of Walnut Grove is located in southwest Walton County.

Bids should be submitted to Walnut Grove City Clerk no later than 2:00 P.M. on Thursday, August 26, 2021. Submit bids via email to cityclerk@cityofwalnutgrove.com or deliver to Walnut Grove City Hall, 2581 Leone Avenue, Loganville, GA 30052. Any bids received after said time and date will not be considered by the City of Walnut Grove. Bids will be publicly opened and read aloud at this time and location. All bids will be evaluated by the City of Walnut Grove and the project will be awarded, if it is awarded, within 45 days of the bid opening.

Copies of documents and plans can be obtain on the Georgia Procurement Registry website.

Questions regarding this request for bids should be emailed directly to Natalie Pifer, Precision Planning, Inc. at 861np@ppi.us no later than 2:00 P.M. Thursday, August 19, 2021.

The successful contractor must provide proof of workers compensation and liability insurance with the City of Walnut Grove named as additional insured. The City of Walnut Grove reserves the right to waive any informalities or to reject any or all bids, and to accept any Bid which in its opinion may be in the best interest of the City.

A Contractor Affidavit verifying compliance with the Federal Work Authorization Program known as E-Verify must be submitted with each bid. This form must be notarized.

CONTRACTORS and SUBCONTRACTORS will be required to comply with all Federal, State, and local laws.

Mark Moore, Mayor City of Walnut Grove

GENERAL CONDITIONS

No bids received after said time or at any place other than the time and place as stated in the notice shall be considered. No responsibility shall attach to the City of Walnut Grove for the premature opening of a bid not properly addressed and identified.

WITHDRAWAL OF BID:

A bidder may withdraw his proposal before the expiration of the time during which proposals may be submitted without prejudice to the proposer, by submitting a written request of withdrawal to the City of Walnut Grove.

REJECTION OF BID:

The City of Walnut Grove may reject any and all bids, and must reject a bid of any party who has been delinquent or unfaithful in any formal contract with the City of Walnut Grove. The City of Walnut Grove shall be the sole judge as to which proposal is best, and, in ascertaining this, will take into consideration the business integrity, financial resources, facilities for performing the work, past references and experience in similar operations of the various contractors.

STATEMENT OF EXPERIENCE AND QUALIFICATIONS:

The Contractor may be required, upon request, to prove to the satisfaction of the City of Walnut Grove that he/she has the skill and experience and the necessary facilities and ample financial resources to perform the contract in a satisfactory manner and within the required time. If the available evidence of competency of any Contractor is not satisfactory, the proposal of such Contractor may be rejected.

NON-COLLUSION:

By submitting a bid, the Contractor represents and warrants that such bid is genuine and not collusive or made in the interest or in behalf of any person not therein named, and that the Contractor has not in any manner sought by collusion to secure any advantage.

DOCUMENTS DEEMED PART OF THE CONTRACT:

The notice, request for bids, general conditions, special conditions, specifications, purchase order and addenda, if any, will be deemed part of the contract. By submitting a bid, the Contractor agrees that all work shall be completed in accordance with Georgia DOT and Georgia EPD Standards.

SUBCONTRACTS:

Bidder is specifically advised that any person, firm or other party to whom it is proposed to award a subcontract must be acceptable to the City of Walnut Grove.

GENERAL CONDITIONS (Page Two)

CHANGE ORDERS:

No oral statement of any person shall modify or otherwise change or affect the terms, conditions or specifications. All change orders to the agreement will be made in writing and shall not be effective unless signed by an authorized representative of the City of Walnut Grove.

CONSTRUCTION STANDARDS AND SPECIFICATIONS:

Contractor shall provide mobilization, traffic control, site grading, remove, haul and dispose of approximately 150 cubic yards of unsuitable/spoil materials, install and maintain turbidity curtain, approximately 300 square yards of slope matting, install approximately 50 tons of rip rap, 0.2 acres of grassing, cleanup and erosion control in accordance with Georgia DOT and Georgia EPD Standards.

MEASUREMENT AND PAYMENT:

All labor, materials, equipment and items incidental to the work shall be included in the total lump sum price. A 10% retainage will be withheld on all monthly pay requests until final project completion.

BID SPECIFICATIONS AND INSTRUCTIONS

Scope of Work: The Contractor shall provide for furnishing all materials, labor, tools, equipment, and any other miscellaneous items necessary for the completion of the Park Street Streambank Stabilization project as specified in the construction drawings.

Project Management/Inspections: Project management and inspection will be provided by the City of Walnut Grove and/or Precision Planning, Inc.

Schedule: All work shall be completed no later than November 15, 2021. Prior to commencing the work, the Contractor shall provide a written schedule to the City of Walnut Grove regarding the sequence of the work. The Contract shall include a provision for liquidated damages to be assessed at the rate of \$500 per calendar day for late completion beyond November 15, 2021.

Traffic Control: Contractor shall be responsible for Traffic Control, in accordance with Georgia DOT Standards, and shall provide all signage, personnel and miscellaneous equipment. If closure of the road is permitted by the City of Walnut Grove, the Contractor shall provide, install and maintain all required signage and traffic control devices for required detours per GaDOT Standards.

Safety: Contractor shall be responsible for jobsite safety, and the safety of the traveling and general public within the work zone.

Access/Cleanup/Disposal: Contractor shall be responsible for coordinating access to private property during the execution of the work, and for cleanup of any debris resulting from the project on adjacent private property or within public right-of-way.

BID FORM

City of Walnut Grove Park Street Streambank Stabilization

DUE: 2:00 P.M., Thursday, August 26, 2021

Item#	Item Description	Unit	Est. Qty.	Unit Price	Total Price
1	Mobilization & Demobilization		1		
2	Import / Hall Off Unsuitable Material	CY	150		
3	Rip Rap	TN	50		
4	Erosion Control Matting	SY	300		
5	Grassing	AC	0.2		
6	Turbidity Curtain	EA	1		

Total for Items 1 th	ru 6, the amount of:		
		Dollars (\$	_)
Bid received from:	(Company)		
	(Address)		
	(Phone)		
Authorized repre		Authorized Representative (Signature)	

CONTRACTOR AFFIDAVIT UNDER O.C.G.A. § 13-10-91(b)(1)

By executing this affidavit, the undersigned contractor verifies its compliance with O.C.G.A. § 13-10-91, stating affirmatively that the individual, firm or corporation which is engaged in the physical performance of services on behalf of the City of Walnut Grove, Georgia has registered with, is authorized to use and uses the federal work authorization program commonly known as E-Verify, or any subsequent replacement program, in accordance with the applicable provisions and deadlines established in O.C.G.A. § 13-10-91. Furthermore, the undersigned contractor will continue to use the federal work authorization program throughout the contract period and the undersigned contractor will contract for the physical performance of services in satisfaction of such contract only with subcontractors who present an affidavit to the contractor with the information required by O.C.G.A. § 13-10-91(b). The undersigned contractor further agrees to maintain records of such compliance and to provide a copy of each such verification to the City of Walnut Grove, Georgia at the time the subcontractor(s) is retained to perform such service. Contractor hereby attests that its federal work authorization user identification number and date of authorization are as follows:

Federal Work Authorization User Identification Number	By: Authorized Officer or Agent (Contractor Name)
Date of Authorization	Title of Authorized Officer or Agent of Contractor
Name of Contractor	Printed Name of Authorized Officer or Agent
Park Street Streambank Stabilization Name of Project	
<u>City of Walnut Grove, Georgia</u> Name of Public Employer	
I hereby declare under penalty of perjury tha	t the foregoing is true and correct.
Thisday of, 2021.	
Sworn to and subscribed before me thisday of, 2021.	
Notary Public My Commission Expires:	_

BIDDER EXPERIENCE STATEMENT

All questions must be answered and the date given must be clear and comprehensive. This instrument must be notarized. If necessary, questions may be answered on separate attached sheets. The Bidder may submit any additional information he desires. Attach all additional sheets to these Contract Documents.

1.	Business Name:
2.	Permanent main office address:
3.	When organized:
4.	If a corporation, where incorporated:
	Federal I.D. Number:
5.	How many years have you been engaged in the contracting business under your present firm o trade name?
6.	General character of work performed by your company:
7.	Have you ever failed to complete any work awarded to you?

8. List any project of similar scope and complexity that your organization has completed or has in progress as of the date of receiving Bids (must provide <u>valid email address</u> of Owner or Engineer):

					I
Location	Contract Amount	Date Compl ete	% Compl ete	Name & Address of Owner's Engineer	Email / Phone
		:£			<u> </u>

(Use additional pages if needed. Please attached hereto)

Background and experience of the principal members of your organization, including officers. (Include Company Resume if available)
Credit available: \$
Give Bank reference (Name, Address, Contact Person, Phone Number, Fax Number):
So that we may verify your banking reference, please sign below for authorization:
(Signature)

Dated this day of	, 2021
	Name of Contractor
	Ву
	Title
	State of
	County of
	being duly sworn deposes and says that he is and that and all statements therein contained are true and correct.
the answers to the foregoing questions	ofand that
the answers to the foregoing questions	ofand that and all statements therein contained are true and correct.
the answers to the foregoing questions	ofand that and all statements therein contained are true and correct. s day of, 2021

The undersigned hereby authorizes and requests any person, firm, or corporation to furnish any

information requested by OWNER in verification of the recitals comprising this Statement of Bidder's

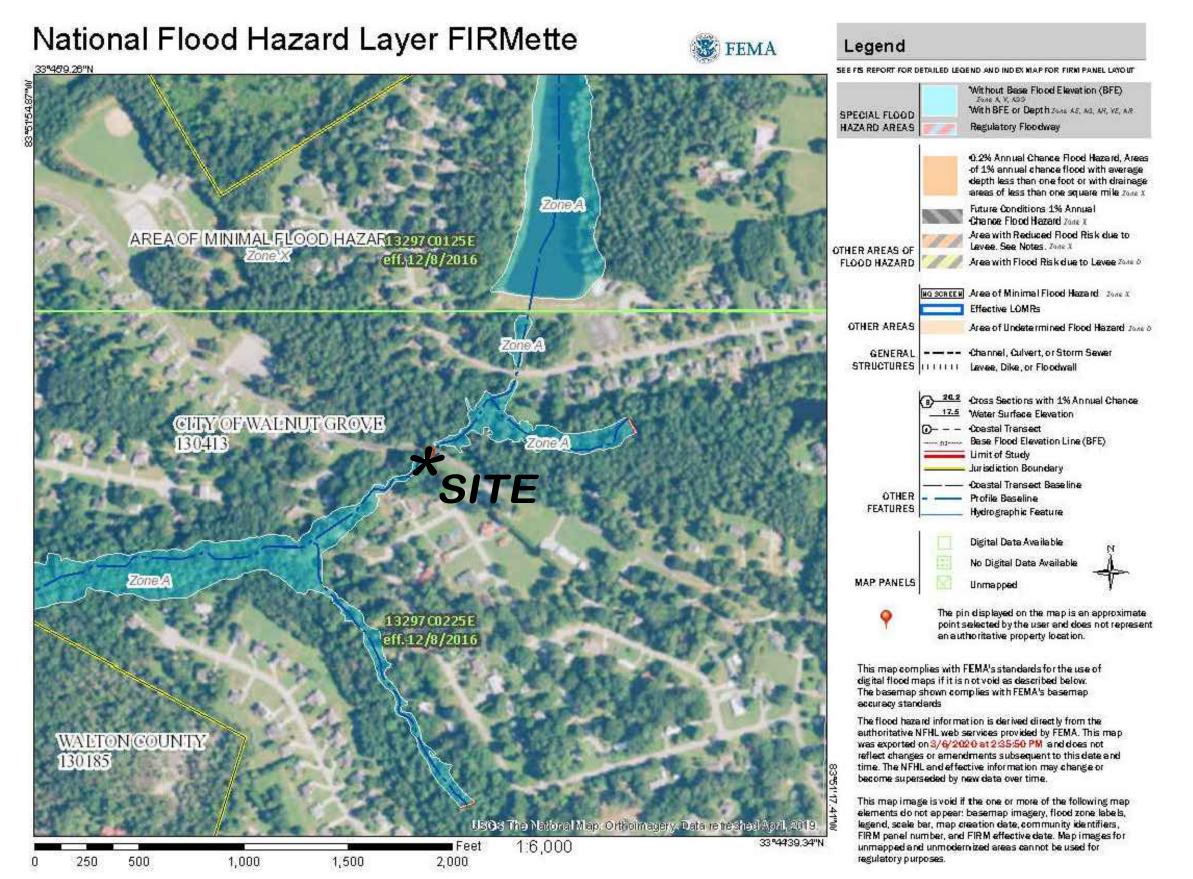
13.

Qualifications.

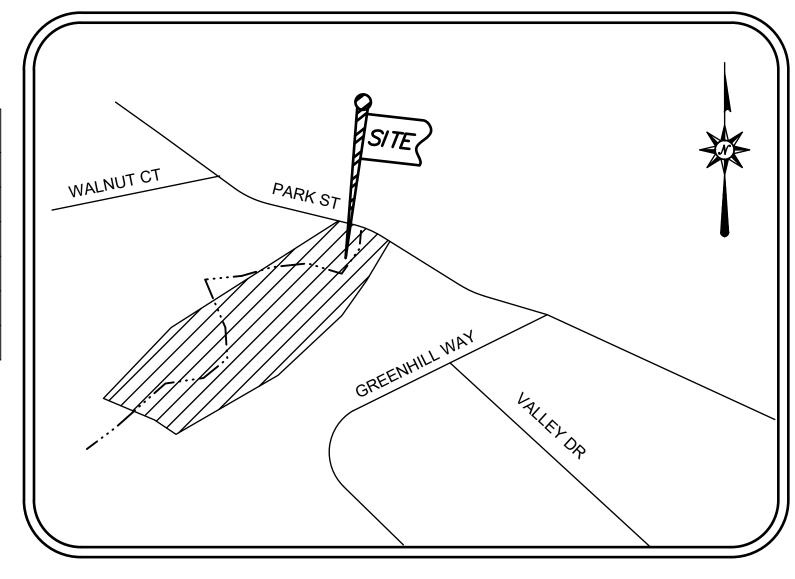
SITE DEVELOPMENTPLANS

PARK STREET STREAM BANK STABILIZATION

PARK STREET WALNUT GROVE, GA 30052



	Sheet List Table
Sheet Number	Sheet Title
C1.0	Cover Sheet
C2.0	GRADING, EROSION CONTROL PLAN, EROSION CONTROL DETAILS
C3.0	EROSION CONTROL DETAILS
C4.1	EROSION CONTROL NOTES
C4.2	EROSION CONTROL NOTES



VICINITY MAP

OWNER / DEVELOPER

CITY OF WALNUT GROVE
2581 LEONE AVENUE
LOGANVILLE, GA 30052
CONTACT: HON. LAMAR LEE
PHONE: 770-787-0046
EMAIL: MAYOR@WALNUTGROVEGEORGIA.COM

ENGINEER

PRECISION PLANNING, INC.
400 PIKE BOULEVARD
LAWRENCEVILLE, GA 30046
CONTACT: TODD PARKER
PHONE: 770-338-8000
EMAIL: 707TP@PPI.US

CONSTRUCTION EXIT GPS LOCATIONS: LAT: N 33.748422 LONG: W 83.860022

PROJECT DATE: 09/10/2019

09.10.19		PLAN SUBMITTED FOR REVIEW
DATE	No.	DESCRIPTION

FIRM PANEL N.T.S.

INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS AND HIS CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION.

CONTRACTORS SHALL CONDUCT ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) AND ALL LOCAL, STATE AND FEDERAL RULES AND REGULATIONS. PROPER SAFETY PROCEDURES ARE OF SPECIAL CONCERN ON THIS PROJECT CONSIDERING THAT WORKERS WILL BE IN OPEN TRENCHES FOR A PORTION OF THE SCOPE OF WORK



Know what's **below.**

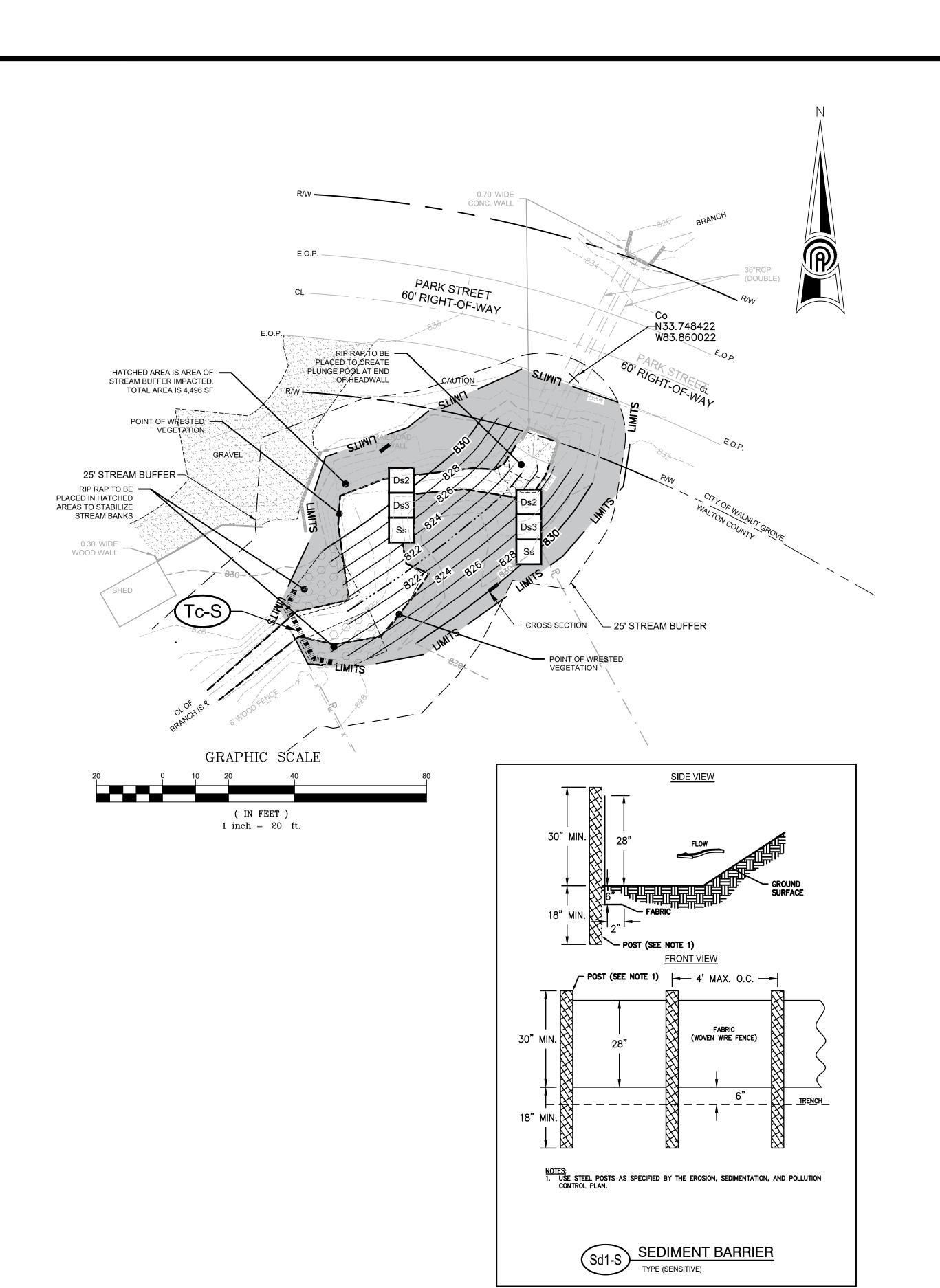
UTILITY DISCLAIMER

EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY DEVIATIONS FROM THE DESIGN LOCATIONS SHALL BE REPORTED TO THE PROJECT ENGINEER PRIOR TO CONSTRUCTION. DAMAGE TO EXISTING UTILITY LINES RESULTING FROM CONTRACTOR NEGLIGENCE SHALL BE REPAIRED AT CONTRACTOR EXPENSE.

OBSTRUCTIONS ENCOUNTERED

IN ADDITION TO SHOWING THE STRUCTURES TO BE BUILT FOR THIS PROJECT, THE DRAWINGS SHOW CERTAIN INFORMATION OBTAINED BY THE ENGINEER REGARDING THE PIPES, POLE LINES, CONDUITS AND OTHER STRUCTURES WHICH EXIST ALONG THE LINE OF THE WORK, BOTH AT AND BELOW THE SURFACE OF THE GROUND. THE ENGINEER AND THE OWNER EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION GIVEN ON THE DRAWINGS WITH REGARD TO EXISTING STRUCTURES, AND THE CONTRACTOR WILL NOT BE ENTITLED TO ANY EXTRA COMPENSATION ON ACCOUNT OF INACCURACY OR INCOMPLETENESS OF SUCH INFORMATION, SAID STRUCTURES BEING INDICATED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR, WHO MUST VERIFY THE INFORMATION TO HIS OWN SATISFACTION. THE GIVING OF THIS INFORMATION UPON THE CONTRACT DRAWINGS WILL NOT RELIEVE THE CONTRACTOR OF HIS OBLIGATION TO SUPPORT AND PROTECT ALL PIPES, CONDUITS, AND OTHER STRUCTURES WHICH MAY BE ENCOUNTERED DURING THE CONSTRUCTION OF WORK, AND TO MAKE GOOD ALL DAMAGES DONE TO SUCH PIPES, CONDUITS, AND OTHER STRUCTURES, AS PROVIDED IN THESE SPECIFICATIONS. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND OBSTRUCTIONS PRIOR TO EXCAVATION SO AS TO PREVENT DAMAGE TO THOSE SERVICES OR OTHER UTILITIES. ANY SUCH DAMAGES MUST BE REPAIRED WITHOUT DELAY AND THE COST OF SUCH REPAIRS SHALL BE PAID FOR BY THE CONTRACTOR.

NO. 036 155
PROFESSIONAL
PROFES



EROSION CONTROL LEGEND

DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

SLOPE STABILIZATION Ss

DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

THE ESTABLISHMENT OF TEMPORARY COVER WITH FAST GROWING SEEDINGS FOR SEASONAL PROTECTION ON DISTURBED OR DENUDED AREAS.

TEMPORARY GRASSING, INSTEAD OF MULCH, CAN BE APPLIED TO ROUGH GRADED AREAS THAT WILL BE EXPOSED FOR LESS THAN SIX MONTHS. TEMPORARY VEGETATION 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 PERMANENT VEGETATION IS

DATE DIANTING

SEEDING RATES FOR TEMPORARY SEEDING

SPECIES	RATE PER	RATE PER	PLANTING DATES***
RYE	1,000 _{IS} F 3.9 _{Ibs} F	ACRE* 3 bu.	9/1 – 3/1
RYEGRASS	0.9 lbs	40 lbs	8/15- 4/1
ANNUAL LESPEDEZA	0.9 lbs	40 lbs 1	/15 – 3/1
WEEPING LOVE GRASS	0.1 lbs	4 lbs 2	/15 – 6/1
SUDANGRASS	1.4 lbs	60 lbs	3/1 – 8/1
BROWNTOP MILLET	0.9 lbs	40 lbs	4/1 – 7/15
WHEAT	4.1 lbs	3 bu	9/15 – 2/

CONSTRUCTION SPECIFICATIONS

GRADING AND SHAPING

EXCESSIVE WATER RUNOFF 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 HANDSEEDED VEGETATION OR IF HYDRAULIC SEEDING EQUIPMENT IS TO BE USED.

WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED. WHEN USING CONVENTIONAL OR HANDSEEDING, 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 OF ONE TON PER ACRE. GRADED AREAS REQUIRE LIME APPLICATION. SOILS CAN BE TESTED TO DETERMINE IF FERTILIZER IS NEEDED. ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED. FOR SOILS WITH VERY LOW FERTILITY, 500 TO 700 POUNDS OF 10-10-10 FERTILIZER OR THE EQUIVALENT PER ACRE (1216 LBS./1,000 SQ. FT.) SHALL BE APPLIED. FERTILIZER SHOULD BE APPLIED BEFORE LAND PREPARATION AND INCORPORATED WITH A DISK,

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, CULTIPACKER 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

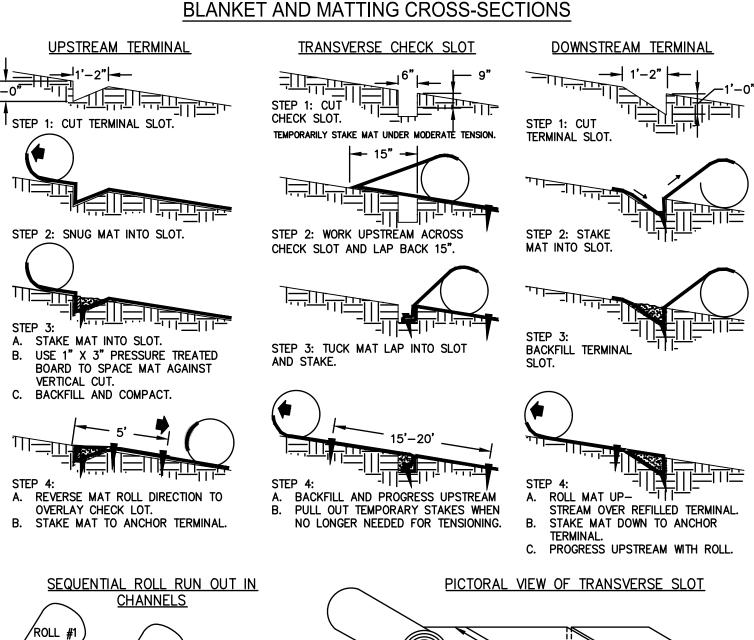
TEMPORARY VEGETATION CAN, IN MOST CASES, BE ESTABLISHED WITHOUT THE USE OF MULCH. MULCH WITHOUT SEEDING SHOULD BE CONSIDERED FOR SHORT-TERM PROTECTION. REFER TO DS1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY).

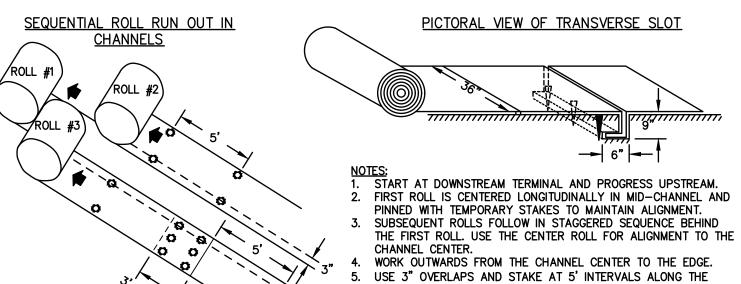
DURING TIMES OF DROUGHT, WATER SHALL BE APPLIED AT A RATE NOT CAUSING RUNOFF AND EROSION. THE SOIL SHALL BE THOROUGHLY WETTED TO A DEPTH THAT WILL INSURE GERMINATION OF THE SEED. SUBSEQUENT APPLICATIONS SHOULD BE MADE WHEN NEEDED.

DISTURBED AREA STABILIZATION (WITH TEMPORARY VEGETATION)

TYPICAL INSTALLATION GUIDELINES FOR ROLLED EROSION CONTROL PRODUCTS (RECP)

BLANKET AND MATTING CROSS-SECTIONS





6. USE 3' OVERLAPS AND SHINGLE DOWNSTREAM TO CONNECT THE LINING AT THE ROLL ENDS.

SLOPE STABILIZATION TYPE (BLANKET AND MATTING)

PETROLEUM SPILL PREVENTION AND CONTAINMENT

1. PREVENTATIVE MAINTENANCE SUCH AS TIMELY INSPECTIONS OF FUEL STORAGE TANKS AND PUMPS SHALL BE PERFORMED TO REDUCE THE RISK OF PETROLEUM SPILLS.

2. PETROLEUM SPILLS SHALL BE IMMEDIATELY CONTAINED. ALL INLETS MUST BE PLUGGED IMMEDIATELY, AND THE PETROLEUM DIRECTED AWAY FROM RECEIVING WATERS OR STORM DRAINAGE SYSTEMS. CLEANUP MAY BE ACCOMPLISHED BY, BUT IS NOT LIMITED TO, SWEEPING, SHOVELING, AND VACUUMING ALONG WITH THE USE OF SORBENTS AND GELS.

3. ANY CONTAMINATED SOILS MUST BE REMOVED FROM THE SITE IMMEDIATELY AND REPLACED WITH SOIL OF SIMILAR PROPERTIES.

CONCRETE WASH DOWN:

GSWCC

MICHAEL TODD PARKER

Level II Certified Design Professions

CERTIFICATION NUMBER <u>0000064207</u> ISSUED: <u>6/23/17</u> EXPIRES: <u>6/23/20</u>

1. NO CONCRETE WASHDOWN OF THE DRUM WILL BE ALLOWED WITHIN THE PROJECT SITE AREA THROUGHOUT THE DURATION OF THE PROJECT.

2. AN AREA HAS BEEN INDICATED ON THE PLANS FOR WASH DOWN OF TOOLS FOR CONCRETE INSTALLATION.

> **CONSTRUCTION EXIT GPS LOCATIONS:** LAT: N 33.748422 LONG: W 83.860022

TOTAL PROJECT AREA N/A DISTURBED AREA 0.138 AC.

24-HOUR EMERGENCY CONTACT MAYOR MARK MOORE 770-787-0046

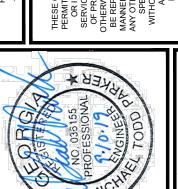
OWNER / DEVELOPER

CITY OF WALNUT GROVE 2581 LEONE AVENUE LOGANVILLE, GA 30052 CONTACT: HON. LAMAR LEE PHONE:770-787-0046

EMAIL: MAYOR@WALNUTGROVEGEORGIA.COM

ENGINEER

PRECISION PLANNING, INC. 400 PIKE BOULEVARD LAWRENCEVILLE, GA 30046 CONTACT:TODD PARKER PHONE: 770-338-8800 EMAIL: 707TP@PPI.US



ARK 3AN

09/10/2019

04-299 PPI PROJECT NO.



		EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST STAND ALONE CONSTRUCTION PROJECTS
		SWCD:
Project Name: Pa	rk Stı	reet Stream Realignment Address: Park Street Date on Plans: 09.10.2019
Name & email of _l	oerso	on filling out checklist: 830gv@ppi.us
Plan Include Page # Y/N		TO BE SHOWN ON ES&PC PLAN
C3.0 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 Y	7 2	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
	٦.	reviewed)
N/A N] 3	Itimits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the Plan must
		include at least 4 of the BMPs listed in Appendix 1 of this checklist. *
24 2 2 2 X	٦,	(A copy of the written approval by EPD must be attached to the plan for the Plan to be reviewed.)
C1.0-3.0 Y	=	The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls. Provide the name, address, email address , and phone number of primary permittee.
C1.0-2.0 Y	- 1	6 Note total and disturbed acreage of the project or phase under construction.
C1.0-2.0 Y		7 Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.
C1.0-3.0 Y	5 8	Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.
C4.1 Y] 9	Description of the nature of construction activity.
C1.0 Y	=	Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
C4.1 Y	11	1 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential areas, wetlands, marshlands, etc. which may be affected.
C4.1 Y	12	2 Design professional's certification statement and signature that the site was visited prior to development of the
		ES&PC Plan as stated on Part IV page 19 of the permit
N/A N	13	Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate
N/A N	٦ 14	and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 19 of the permit 4 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of the
N/A		initial sediment storage requirements and perimeter control BMPs within 7 days after installation."
		in accordance with Part IV.A.5 page 25 of the permit *
C4.2 Y	15	5 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
	٦ 40	variances and permits."
C4.1 Y N/A N	= 1	6 Provide a description of any buffer encroachments and indicate whether a buffer variance is required. 7 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on
N/A N	''	BMPs with a hydraulic component must be certified by the design professional." *
N/A N	18	3 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as
		authorized by a Section 404 permit." *
C4.2 Y	19	Oclearly note statement that "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."
C4.2 Y	20	Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the
		approved Plan does not provide for effective erosion control, additional erosion and sediment control measures
C4.2 Y	21	shall be implemented to control or treat the sediment source." 1 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be
		stabilized with mulch or temporary seeding."
N/A N	22	2 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile
		upstream of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for those
		areas of the site which discharge to the Impaired Stream Segment *
N/A N	23	If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in
		Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan. *
N/A N	24	4 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout
		of the drum at the construction site is prohibited. *
C2.0 Y	= 1	5 Provide BMPs for the remediation of all petroleum spills and leaks.
N/A N	26	Description of the measures that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed. *
N/A N	27	7 Description of practices to provide cover for building materials and building products on site. *
N/A N		Description of the practices that will be used to reduce the pollutants in storm water discharges. *
C4.1 Y	29	Description and chart or timeline of the intended sequence of major activities which disturb soils for the major
		portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).
N/A N	30	Provide complete requirements of inspections and record keeping by the primary permittee. *
N/A N		1 Provide complete requirements of sampling frequency and reporting of sampling results. *
N/A N	32	2 Provide complete details for retention of records as per Part IV.F. of the permit. *
N/A N	33	Description of analytical methods to be used to collect and analyze the samples from each location. *
N/A N	34	4 Appendix B rationale for NTU values at all outfall sampling points where applicable. *
N/A N	35	5 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which
N/A	20	storm water is discharged. * A description of appropriate controls and measures that will be implemented at the construction site including:
N/A N	36	A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage
		BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter
		control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase. *
C2.0 Y	37	7 Graphic scale and North arrow.
C2.0 Y	38	Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following:
		Map Scale Ground Slope Contour Intervals, ft 1 inch = 100ft or Flat 0 - 2% 0.5 or 1

Rolling 2 - 8%

1 or 2

2,5 or 10

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

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.

CONDITIONS

PERMANENT PERENNIAL VEGETATION IS USED TO PROVIDE A PROTECTIVE COVER FOR EXPOSED AREAS INCLUDING CUTS, FILLS, DAMS, AND OTHER DENUDED AREAS.

<u>SPECIFICATIONS</u>

GRADING AND SHAPING

GRADING AND SHAPING MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS

WHEN CONVENTIONAL SEEDING AND FERTILIZING ARE TO BE DONE, GRADE AND SHAPE WHERE FEASIBLE AND PRACTICAL, SO THAT EQUIPMENT CAN

EFFICIENTLY DURING SEEDBED PREPARATION, SEEDING,

MULCHING AND MAINTENANCE OF THE VEGETATION.

SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENT.

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. SEEDBED PREPARATION

BROADCAST PLANTINGS

TYPES OF SPECIES

grasses and

grasses and

legumes

www.gaswcc.org.

C2.0 Y 47 Soil series for the project site and their delineation.

C2.0 Y 48 The limits of disturbance for each phase of construction.

FEASIBLE.

BE USED SAFELY AND

SEEDBED PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND

FERTILIZING EQUIPMENT IS TO BE USED. WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDBED PREPARATION WILL BE DONE AS FOLLOWS:

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.

Second

Second

Maintenance

Second

<u>Maintenance</u>

Second

N/A N 39 Use of alternative BMPs whose performance has been documented to be equivalent to or superior to

N/A N 40 Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual

N/A | N 41 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional

N/A N 44 Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions. *

N/A N 46 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without

erosion. Identify/Delineate all storm water discharge points.

N/A N 45 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are

N/A Y 49 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin,

a written justification explaining this decision must be included in the Plan.

forth in the Manual for Erosion and Sediment Control in Georgia.

but within 200 ft of a perennial stream, the * checklist items would be N/A.

C2.0 Y 50 Location of Best Management Practices that are consistent with and no less stringent than the Manual for

C2.0 Y 51 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set

N/A N 52 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting

of the year that seeding will take place and for the appropriate geographic region of Georgia.

* If using this checklist for a project that is less than 1 acre and not part of a common development

retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining 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

also be given. Worksheets from the Manual included for structural BMPs and all calculations used by the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible,

Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with

dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time

sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must

N/A Y 42 Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.

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

Maintenance

for Erosion & Sediment Control in Georgia 2016 Edition. *

N/A | N 43 Delineation and acreage of contributing drainage basins on the project site.

<u>Maintenance</u>

EQUIVALENT

6-12-12

6-12-12

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

3. TILLAGE SHOULD BE DONE ON THE CONTOUR WHERE

FERTILIZER REQUIREMENTS

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.

4. ON SLOPES TOO STEEP FOR THE SAFE OPERATION OF TILLAGE

EQUIPMENT, THE SOIL SURFACE SHALL BE PITTED OR TRENCHED ACROSS

INDIVIDUAL PLANTS

1. WHERE INDIVIDUAL PLANTS ARE TO BE SET, THE SOIL SHALL BE PREPARED BY EXCAVATING

HOLES, OPENING FURROWS, OR DIBBLE PLANTING. 2. FOR NURSERY STOCK PLANTS, HOLES SHALL BE LARGE ENOUGH TO ACCOMMODATE ROOTS WITHOUT CROWDING. 3. WHERE PINE SEEDLINGS ARE TO BE PLANTED, SUBSOIL UNDER THE ROW

36 INCHES DEEP ON THE CONTOUR FOUR TO SIX MONTHS PRIOR TO

PLANTING. SUBSOILING SHOULD BE DONE WHEN THE SOIL IS DRY,

PLANTING

HYDRAULIC SEEDING

PREFERABLY IN AUGUST OR SEPTEMBER.

MIX THE SEED (INNOCULATED IF NEEDED), FERTILIZER, AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH WITH WATER AND APPLY IN A SLURRY UNIFORMLY OVER THE AREA TO BE TREATED. APPLY WITHIN ONE HOUR AFTER THE MIXTURE IS MADE.

CONVENTIONAL SEEDING

SEEDING WILL BE DONE ON A FRESHLY PREPARED AND FIRMED SEEDBED. FOR BROADCAST PLANTING. USE A CULTIPACKER SEEDER. DRILL. ROTARY SEEDER. OTHER MECHANICAL SEEDER, OR HAND SEEDING TO DISTRIBUTE THE SEED UNIFORMLY OVER THE AREA TO BE TREATED. COVER THE SEED LIGHTLY WITH 1/8 TO 1/4 INCH OF SOIL FOR SMALL SEED AND 1/2 TO 1 INCH FOR LARGE SEED WHEN USING A CULTIPACKER OR OTHER SUITABLE EQUIPMENT.

NO-TILL SEEDING

NO-TILL SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN PLANTING IS DONE FOLLOWING MATURITY OF THE COVER CROP OR IF THE TEMPORARY COVER STAND IS SPARSE ENOUGH TO ALLOW ADEQUATE GROWTH OF THE PERMANENT (PERENNIAL) SPECIES. NO-TILL SEEDING SHALL BE DONE WITH APPROPRIATE NO-TILL SEEDING EQUIPMENT. THE SEED MUST BE UNIFORMLY DISTRIBUTED AND PLANTED AT THE PROPER DEPTH.

INDIVIDUAL PLANTS

TOP DRESSING RATE

0-50 lbs./ac. 1/

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

1500 lbs./ac. 50-100 lbs./ac. 1/2/

1500 lbs./ac. | 50-100 lbs./ac. 2/6/ 800 lbs./ac. 50-100 lbs./ac. 2/

Effective January 1, 2020

100 lbs./ac.

100 lbs./ac.

400 lbs. /ac.

1000 lbs./ac.

1500 lbs./ac.

SHRUBS, VINES AND SPRIGS MAY BE PLANTED WITH APPROPRIATE PLANTERS OR HAND TOOLS. PINE TREES SHALL BE PLANTED MANUALLY IN THE SUBSOIL FURROW. EACH PLANT SHALL BE SET IN A MANNER THAT WILL AVOID CROWDING THE ROOTS. NURSERY STOCK PLANTS SHALL BE PLANTED AT THE SAME DEPTH OR SLIGHTLY DEEPER THAN THEY GREW AT THE NURSERY. THE TIPS OF VINES AND SPRIGS MUST BE AT OR SLIGHTLY ABOVE THE GROUND SURFACE. WHERE INDIVIDUAL HOLES ARE DUG, FERTILIZER SHALL BE PLACED IN THE BOTTOM OF THE HOLE, TWO INCHES OF SOIL SHALL BE ADDED AND THE PLANT SHALL BE SET IN THE HOLE.

MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED

SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL THE FOLLOWING AND APPLY AS INDICATED:

A RATE OF 2 1/2 TONS PER ACRE.

HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING. 3. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH

4. SERICEA LESPEDEZA HAY CONTAINING MATURE SEED SHALL BE APPLIED AT A RATE

PURPOSES. OTHER SUITABLE MATERIALS IN SUFFICIENT QUANTITY MAY BE USED WHERE ORNAMENTALS OR OTHER GROUND COVERS ARE PLANTED. THIS IS NOT APPROPRIATE FOR SEEDED AREAS.

REQUIRED. 7. BITUMINOUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS ON SLOPES, IN

RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN GERMINATION OR

FIBERS SHALL CONTAIN A DYE TO ALLOW VISUAL METERING AND AID IN UNIFORM

STRAW OR HAY MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING AND/OR PLANTING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE SPREADING

OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75%

WOOD CELLULOSE OR WOOD FIBER MULCH SHALL BE APPLIED UNIFORMLY WITH HYDRAULIC

ANCHORING MULCH

ANCHOR STRAW OR HAY MULCH IMMEDIATELY AFTER APPLICATION BY ONE OF THE **FOLLOWING**

1. EMULSIFIED ASPHALT CAN BE (A) SPRAYED UNIFORMLY ONTO THE MULCH AS IT IS EJECTED FROM THE BLOWER MACHINE OR (B) SPRAYED ON THE MULCH IMMEDIATELY FOLLOWING MULCH APPLICATION WHEN STRAW OR HAY IS SPREAD BY METHODS OTHER

1. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE

USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT

2. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRYSTRAW

TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 3/4:1 OR STEEPER.

5. PINE STRAW OR PINE BARK SHALL BE APPLIED AT A THICKNESS OF 3 INCHES FOR

6. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLOCK SOD, MULCH IS

DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION

INHIBITING FACTORS. THEY SHALL BE EVENLY DISPERSED WHEN AGITATED IN WATER.

APPLICATION DURING SEEDING.

FQUIPMENT.

THE SOIL SURFACE.

SEEDING EQUIPMENT.

METHODS:

SPECIAL BLOWER EQUIPMENT.

GEORGIA SOIL AND WATER CONSERVATION COMMISSION

MICHAEL TODD PARKER

Level II Certified Design Professions

CERTIFICATION NUMBER 0000064207

ISSUED: <u>6/23/17</u> EXPIRES: <u>6/23/20</u>

THE COMBINATION OF ASPHALT EMULSION AND WATER SHALL CONSIST OF A HOMOGENEOUS MIXTURE SATISFACTORY FOR SPRAYING. THE MIXTURE SHALL CONSIST OF 100 GALLONS OF

GRADE SS-1H OR CSS-1H EMULSIFIED ASPHALT AND 100 GALLONS OF WATER PER TON OF CARE SHALL BE TAKEN AT ALL TIMES TO PROTECT STATE WATERS, THE PUBLIC, ADJACENT

PROPERTY, PAVEMENTS, CURBS, SIDEWALKS, AND ALL OTHER STRUCTURES FROM ASPHALT DISCOLORATION. 2. HAY AND STRAW MULCH SHALL BE PRESSED INTO THE

SOIL IMMEDIATELY AFTER THE STRAIGHT MAY BE USED. THE 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 DISKS SHALL BE DULL ENOUGH TO PRESS THE MULCH INTO THE GROUND WITHOUT CUTTING IT, LEAVING MUCH OF IT IN AN ERECT POSITION. MULCH SHALL NOT BE PLOWED INTO THE SOIL. 3. SYNTHETIC TACKIFIERS OR BINDERS APPROVED BY GDOT

SHALL BE APPLIED IN CONJUNCTION WITH OR IMMEDIATELY AFTER THE MULCH IS SPREAD. SYNTHETIC TACKIFIERS SHALL BE MIXED AND APPLIED ACCORDING TO

MANUFACTURER'S SPECIFICATIONS. REFER TO TB - TACKIFIERS AND BINDERS. 4. RYE OR WHEAT CAN BE INCLUDED WITH FALL AND WINTER PLANTINGS TO STABILIZE THE

MULCH. THEY SHALL BE APPLIED AT A RATE OF ONE-QUARTER TO ONE HALF BUSHEL PER ACRE. 5. PLASTIC MESH OR NETTING WITH MESH NO LARGER THAN ONE INCH BY ONE INCH MAY BE NEEDED TO ANCHOR STRAW OR HAY MULCH ON UNSTABLE SOILS AND CONCENTRATED FLOW AREAS. THESE MATERIALS SHALL BE INSTALLED AND

ANCHORED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

IRRIGATION SHALL BE APPLIED AT A RATE THAT WILL NOT CAUSE RUNOFF.

SEEDING RATES FOR PERMANENT SEEDING

SPECIES	RATE PER	RATE PER	PLANTI DATES*
BAHIA	1,000 S.F 1.4 LBS	ACRE* 60 LBS	1/1-12/
BERMUDA	0.2 LBS	10 LBS	2/15-7
CENTIPEDE	BLOCK SOD ONLY	BLOCK SOD ONLY	4/1-7,
LESPEDEZA	1.7 LBS	75 LBS	1/1-12/
WEEPING LOVE GRASS	0.1 LBS	4 LBS	2/1-6/
SWITCH GRASS	0.9 LBS	4 LBS	3/15-6

24-HOUR EMERGENCY CONTACT: MAYOR MARK MOORE 770-787-0046

OWNER / DEVELOPER

2581 LEONE AVENUE LOGANVILLE, GA 30052 CONTACT: HON. LAMAR LEE PHONE: 770-787-0046

ENGINEER

PRECISION PLANNING, INC. LAWRENCEVILLE, GA 30046 CONTACT:TODD PARKER

CITY OF WALNUT GROVE

EMAIL: MAYOR@WALNUTGROVEGEORGIA.COM

400 PIKE BOULEVARD PHONE: 770-338-8800 EMAIL: 707TP@PPI.US

09/10/2019

04-299 PPI PROJECT NO.

The following statements are referenced from "Authorization to Discharge Under The National Pollutant Discharge Elimination System Storm Water Discharges Associated With Construction Activity for Common Construction Projects" General Permit No. GAR 100001. For the purposes of this plan the term Precision Planing, Inc. (PPI) is the Design Professional of these construction documents.

GAR 100001 PART IV.

Part IV. EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN A site specific Erosion, Sedimentation and Pollution Control Plan (Plan) shall be designed, installed and maintained for the entire construction activity covered by this permit. The Erosion, Sedimentation and Pollution Control Plan must be prepared by a design professional as defined by this permit. All persons involved in Plan preparation shall have completed the appropriate certification course, pursuant to O.C.G.A. 12-7-19b, approved by the State Soil and Water Conservation Commission. The Erosion, Sedimentation and Pollution Control Plan has been prepared by Precision Planning, Inc. as defined by this

Certification Statement:

"I certify under penalty of law that this plan was prepared after a site visit to the locations described herein by myself or my authorized agent, under my direct supervision."

Signature of Design Professional

This Plan shall includes, as a minimum, best management practices, including sound conservation and engineering practices to prevent and minimize erosion and resultant sedimentation, which are consistent with, and no less stringent than, those practices contained in the "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land disturbing activity was permitted and O.C.G.A. 12-7-6, as well as the following:

(i). Except as provided in Part IV.(iii). below, no construction activities shall be conducted within a 25 foot buffer along the banks of all State waters, as measured horizontally from the point where vegetation has been wrested by normal stream flow or wave action, except where the Director has determined to allow a variance that is at least as protective of natural resources and the environment in accordance with the provisions of O.C.G.A. 12-7-6, or where a drainage structure or a roadway drainage structure must be constructed, provided that adequate erosion control measures are incorporated in the project plans and specifications and are implemented, or along any ephemeral stream, or where bulkheads and seawalls must be constructed to prevent the erosion or the shoreline on Lake Oconee and Lake Sinclair. The buffer shall not apply to the following activities provided that adequate erosion control measures are incorporated into the project plans and specifications are

(1) public drinking water system reservoirs,

(2) stream crossings for water lines and sewer lines, provided that the stream crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause a width of disturbance of not more than 50 feet within the buffer, and native riparian vegetation is re-established in any bare or disturbed

(3) stream crossing for any utility lines of any electric membership corporation or municipal electrical system or any public utility under regulatory jurisdiction of the Public Service Commission, any utility under the regulatory jurisdiction of the Federal Energy Regulatory Commission, any cable television system as defined in Code Section 36-18-1, or any agency or instrumentality of the United States engaged in the generation, transmission or distribution of power, provided that: (a) the stream crossing occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause width of disturbance of not more than 50 feet within the buffer, (b) native riparian vegetation is re-established in any bare or disturbed areas within the buffer and (c) the entity is not a secondary permittee for a project located within a stand alone or

(4) buffer crossing for fences, provided that the crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause a width of disturbance of not more than 50 feet within the buffer, and native riparian vegetation is re-established in any bare or disturbed areas within the buffer (5) stream crossings for aerial utility lines, provided that: (a) the new utility line right-of-way width does not exceed 100 linear feet, (b) utility lines are routed and constructed so as to minimize the number of stream crossings and disturbances to the buffer, (c) only trees and tree debris are removed from within the buffer resulting in only minor soil erosion (i.e., disturbance to underlying vegetation is minimized), and (d) native riparian vegetation is re-established in any bare or disturbed areas within the buffer. The Plan shall include a description of the stream crossings with details of the buffer disturbance including area and length of buffer disturbance, estimated length of time of

buffer disturbance, and justification; (6) right-of-way posts, guy wires, anchors, survey markers and the replacement and maintenance of existing utility structures within the current right-of-way undertaken or financed in whole or in part by the Department of Transportation, the Georgia Highway Authority or the State Road and Tollway Authority or undertaken by any county or municipality, provided that: (a) the area of land disturbance does not exceed 100 square feet per structure, (b) the area of buffer vegetation to be cut (not grubbed) does not exceed 1,000 square feet per structure, (c) native riparian vegetation is re-established in any bare or disturbed areas within the buffer and (d) the entity is not a secondary permittee for a project located within a stand alone or sale under this permit; (7) right-of-way posts, guy wires, anchors, survey markers and the replacement and maintenance of existing utility structures within the current right-of-way by any electric membership corporation or municipal electrical system or any public utility under the,, provided that: (a) the area of land disturbance does not exceed 100 square feet per

structure, (b) the area of buffer vegetation to be cut (not grubbed) does not exceed 1,000 square feet per structure, (c) native riparian vegetation is re-established in any bare or disturbed areas within the buffer and (d) the entity is not a secondary permittee for a project located within a stand alone or sale under this permit; (8) Maintenance (excluding dredging), repair and/or upgrade of Soil and Water

Natural Resources Conservation Service.

plans and specifications are implemented:

Conservation District watershed dams when under the technical supervision of the USDA

(ii). No construction activities shall be conducted within a 50 foot buffer, as measured horizontally from the point where vegetation has been wrested by normal stream flow or wave action, along the banks of any State waters classified as 'trout streams' except when approval is granted by the Director for alternate buffer requirements in accordance with the provisions of O.C.G.A. 12-7-6, or where a roadway drainage structure must be constructed; provided, however, that small springs and streams classified as 'trout streams' which discharge an average annual flow of 25 gallons per minute or less shall have a 25 foot buffer or they may be piped, at the discretion of the permittee, pursuant to the terms of a rule providing for a general variance promulgated by the Board of Natural Resources including notification of such to EPD and the Local Issuing Authority of the location and extent of the piping and prescribed methodology for minimizing the impact of such piping and for measuring the volume of water discharged by the stream. Any such pipe must stop short of the downstream permittee's property, and the permittee must comply with the buffer requirement for any adjacent trout streams. The buffer shall not apply to the following activities provided that adequate erosion control measures are incorporated into the project

(1) public drinking water system reservoirs, (2) stream crossings for water lines and sewer lines, provided that the stream crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause a width of disturbance of not more than 50 feet within the buffer, and native riparian vegetation is re-established in any bare or disturbed areas within the buffer

(3) stream crossing for any utility lines of any electric membership corporation or municipal electrical system or any public utility under regulatory jurisdiction of the Public Service Commission, any utility under the regulatory jurisdiction of the Federal Energy Regulatory Commission, any cable television system as defined in Code Section 36-18-1, or any agency or instrumentality of the United States engaged in the generation, transmission or distribution of power, provided that: (a) the stream crossing occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause width of disturbance of not more than 50 feet within the buffer, (b) native riparian vegetation is re-established in any bare or disturbed areas within the buffer and (c) the entity is not a secondary permittee for a project located within a stand alone or sale under

(4) buffer crossing for fences, provided that the crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the stream and cause a width of disturbance of not more than 50 feet within the buffer, and native riparian vegetation is re-established in any bare or disturbed areas within the buffer (5) stream crossings for aerial utility lines, provided that: (a) the new utility line right-of-way width does not exceed 100 linear feet, (b) utility lines are routed and constructed so as to minimize the number of stream crossings and disturbances to the buffer, (c) only trees and tree debris are removed from within the buffer resulting in only minor soil erosion (i.e., disturbance to underlying vegetation is minimized), and (d) functional native riparian vegetation is re-established in any bare or disturbed areas within the buffer. The Plan shall include a description of the stream crossings with details of the buffer disturbance including area and length of buffer disturbance, estimated length of time of buffer

disturbance, and justification; (6) right-of-way posts, guy wires, anchors, survey markers and the replacement and maintenance of existing utility structures within the current right-of-way undertaken or financed in whole or in part by the Department of Transportation, the Georgia Highway Authority or the State Road and Tollway Authority or undertaken by any county or municipality, provided that: (a) the area of land disturbance does not exceed 100 square feet per structure, (b) the area of buffer vegetation to be cut (not grubbed) does not exceed 1,000 square feet per structure, (c) native riparian vegetation is re-established in any bare or disturbed areas within the buffer and (d) the entity is not a secondary permittee for a project located within a stand alone or sale under this permit;

(7) right-of-way posts, guy wires, anchors, survey markers and the replacement and maintenance of existing utility structures within the current right-of-way undertaken by any electric membership corporation or municipal electrical system or any public utility under the,, provided that: (a) the area of land disturbance does not exceed 100 square feet per structure, (b) the area of buffer vegetation to be cut (not grubbed) does not exceed 1,000 square feet per structure, (c) native riparian vegetation is re-established in any bare or disturbed areas within the buffer and (d) the entity is not a secondary permittee for a project located within a stand alone or sale under this permit;

(8) Maintenance (excluding dredging), repair and/or upgrade of Soil and Water Conservation District watershed dams when under the technical supervision of the USDA Natural Resources Conservation Service.

(iii). Except as provided in Part IV (iv) below, no construction activities shall be conducted within a 25 foot buffer along coastal marshlands, as measured horizontally from the coastal marshland-upland interface, as determined in accordance with Part 4 of Article 4 of Chapter 5 of Title 12, the 'Coastal Marshlands Protection Act of 1970, and the rules and regulations promulgated thereunder, except where the director determines to allow a variance that is at least as protective of natural resources and the environment in accordance with the provisions of O.C.G.A. 12-7-6, or where otherwise allowed by the director pursuant to Code Section 12-2-8, or where an alteration within the buffer area has been authorized pursuant to Code Section 12-5-286, or for maintenance of any currently serviceable structure, landscaping, or hardscaping, including bridges, roads, parking lots, golf courses, golf cart paths, retaining walls, bulkheads, and patios, provided that adequate erosion control measures are incorporated into the project plans and specifications and such measures are fully

implemented, or where a drainage structure or roadway drainage structure is constructed or maintained, provided that adequate erosion control measures are incorporated into the project plans and specifications and such measures are fully implemented, or on the landward side of any currently serviceable shoreline stabilization structure, or for the maintenance of any manmade storm-water detention basin, golf courses pond, or impoundment that is located entirely within the property of a single individual, partnership, or corporation, provided that adequate erosion control measures are incorporated into the project plans and specifications and such measures are fully implemented. The buffer shall not apply to the following activities provided that adequate erosion control measures are incorporated into the project plans and specifications and such measures are fully implemented:

(1) Public drinking water system reservoirs. (2) Crossings for utility lines tat cause a width of disturbance of not more than 50 feet

(3) Any land-disturbing activity conducted pursuant to and in compliance with a valid and

31, 2015. (4) Any lot for which the preliminary plat has been approved prior to December 31, 2015 if roadways, bridges, or water and sewer lines have been extended to such lot prior to the effective date of this Act and if the requirement to maintain a 25 foot buffer would consume at least 18 percent of the high ground of the platted lot otherwise available for

development. (5) Buffer crossing for fences, provided that the crossings occur at an angle, as measured from the point of crossing, within 25 degrees of perpendicular to the Jurisdictional Line and cause a width of disturbance of not more than 50 feet within the buffer, and vegetation is re-established in any bare or disturbed areas within the buffer. (6) Crossing for aerial utility lines, provided that: (a) the new utility line right-of-way width does not exceed 100 liner feet, (b) utility lines are routed and constructed so as to minimize the number of crossings and disturbances to the buffer, (c) only trees and trees debris are removed from within the buffer resulting in only minor soil erosion (i.e., disturbance to underlying vegetation is minimized), and (d) vegetation is reestablished in any bare or disturbed areas within the buffer. The plan shall include a description of the crossings with details of the buffer disturbance including area and length of buffer disturbance, estimated length of time of buffer disturbance, and justification; (7) Right-of-way posts, guy wires, anchors, survey markers and the replacement and maintenance of existing utility structures within the current right-of-way undertaken or financed in whole or in part by the Department of Transportation, the Georgia Highway Authority or the State Road and Tollway Authority or undertaken by any county or municipality, provided that: (a) the area of land disturbance does not exceed 100 square feet per structure, (b) the area of buffer vegetation to be cut (not grubbed) does not exceed 1,000 square feet per structure, (c) vegetation is re-established in any bare or disturbed areas within the buffer and (d) the entity is not a secondary permittee for a project located

within a stand alone or sale under this permit; (8) Right-of-way posts, guy wires, anchors, survey markers and the replacement and maintenance of existing utility structures within the current right-of-way by any electric membership corporation or municipal electrical system or any public utility under the,, provided that: (a) the area of land disturbance does not exceed 100 square feet per structure, (b) the area of buffer vegetation to be cut (not grubbed) does not exceed 1,000 square feet per structure, (c) vegetation is re-established in any bare or disturbed areas within the buffer and (d) the entity is not a secondary permittee for a project located within a stand alone or sale under this permit;

(9) Maintenance (excluding dredging), repair and/or upgrade of Soil and Water Conservation District watershed dams when under the technical supervision of the USDA Natural Resources Conservation Service.

(iv). Except as provided above, the buffer required pursuant to Part IV.(i). and (ii) and (iii), no construction activities shall be conducted within a buffer and a buffer shall remain in its natural, undisturbed, state of vegetation until all land-disturbing activities on the construction site are completed. During coverage under this permit, a buffer cannot be thinned or trimmed of vegetation and a protective vegetative cover must remain to protect water quality and aquatic habitat and a natural canopy must be left in sufficient quantity to keep shade on the stream bed or marsh.

The Erosion, Sedimentation and Pollution Control Plan shall identifies all potential sources of pollution which may reasonably be expected to affect the quality of storm water discharges from the construction site. In addition, the Plan shall describe and the applicable permittee shall ensure the implementation of practices which will be used to reduce the pollutants in storm water discharges associated with construction activity at the site and to assure compliance with the terms and conditions of this permit. The applicable permittee must implement and maintain the provisions of the Plan required this part as a condition of this

Except as provided in Part IV.A.2., a single Erosion, Sedimentation and Pollution Control Plan must be prepared by the primary permittee for the Stand alone construction project.

A. Deadlines for Plan Preparation and Compliance.

Except as provided in Part IV.A.2.and Part IV.A.6., the Erosion, Sedimentation and Pollution Control Plan shall be completed prior to submitting the NOI and prior to conducting any construction activity by any permittee.

1. For construction activities that began on or before the effective date of this permit and were subject to the regulations under the previous permit, the permittee(s) shall continue to operate under the existing Plan.

2. For construction activities that begin after the effective date of this permit, the primary permittee shall be required to prepare the Plan for that phase of the stand alone development that corresponds with the NOI being submitted and the primary permittee(s) shall implement the Plan on or before the day construction activities begin.

Additional Plan Submittals.

a. For all projects identified under Part I.C.1.b., which begin after the effective date of this permit, in a jurisdiction where there is no certified Local Issuing Authority regulating that project, a single copy of the Plan must be submitted to the appropriate EPD Watershed Protection Branch and a second copy of the Plan must be submitted to the appropriate EPD District Office prior to or concurrent with the NOI submittal. The second copy of the plan may be submitted to the appropriate EPD District Office as a Portable Document Format (pdf) file on CD-ROM or other storage device. The EPD Watershed Protection Branch will review Plans for deficiencies using the applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the State Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted

b. For sites that are equal to or greater than 50 acres of disturbed area, regardless of the existence of a certified Local Issuing Authority in the jurisdiction, one of the following submissions is also required:

> (i) for all projects which begin after the effective date of this permit a single copy of the NOI and a single copy of the Plan shall be submitted to the appropriate EPD District Office. This copy of the plan may be submitted to the appropriate EPD District Office as a Portable Document Format (PDF) file on CD-ROM or other storage device.

(ii) for all projects which began on or before the effective date of this permit single copy of the NOI and a single copy of the Plan, if amended, shall be submitted to the appropriate EPD District Office. This copy of the plan may be submitted to the appropriate EPD District Office as a Portable Document Format (pdf) file on CD-ROM or other storage device

c. For all projects where the construction activity as indicated on the existing NOI has changed, the amended Plans must be submitted in accordance with Part IV.A.4.a In addition, the permittee must file a change of information NOI in accordance with Part II.

5. For Stand alone projects that begin construction activity after the effective date of this permit, the primary permittee must retain Precision Planning Inc, (PPI) who prepared the Erosion, Sedimentation and Pollution Control Plan, or an alternative design professional approved by EPD in writing, to inspect the installation of the initial sediment storage requirements and perimeter control BMPs which PPI designed within seven (7) days after installation. The design professional shall determine if these BMPs have been installed and are being maintained as designed. The design professional shall report the results of the inspection to the primary permittee within seven (7) days and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report from the design professional unless weather related site conditions are such that additional time is required.

6. For storm- or emergency-related repair work, the permittee shall implement appropriate BMPs and certified personnel (provided by the primary permittee) shall inspect 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. If the storm- or emergency-related repair work will not be completed within sixty (60) days of commencement of construction activity, a single copy of the Plan shall be submitted to EPD and the permittee shall comply with all requirements of this permit on the sixty-first (61st) day.

B. Signature and Plan Review.

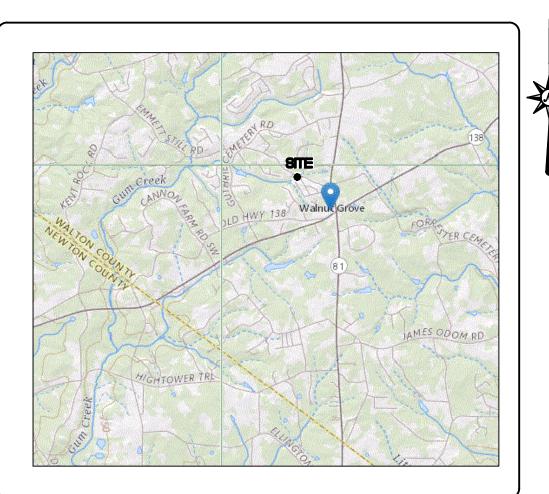
1. The Erosion, Sedimentation and Pollution Control Plan has been signed in accordance with Part V., and be retained on the site (or, if not possible, at a readily accessible location) which generates the storm water discharge in accordance with Part IV.F. of this permi

2. The primary permittee shall make Plans available upon request to the EPD; to designated officials of the local government reviewing soil erosion and sediment control plans, grading plans, or storm water management plans; or in the case of a storm water discharge associated with construction activity which discharges through a municipal separate storm sewer system with an NPDES permit, to the local government operating the municipal separate storm sewer

3. EPD may notify the primary permittee at any time that the Plan does not meet one or more of the minimum requirements of this Part. Within seven (7) days of such notification (or as otherwise provided by EPD), the primary permittee shall make the required changes to the Plan and shall submit to EPD either the amended Plan or a written certification that the requested changes have been made.

C. Keeping Plans Current.

The primary permittee(s) shall amend their Plan whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on BMPs with a hydraulic component (i.e., those BMPs where the design is based upon rainfall intensity, duration and return frequency of storms) or if the Plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under Part IV.D.3. Amendments to the Plan must be certified by a design professional as provided in this permit.



Topographic Map--Receiving Waters to Stream

D. Contents of Plan.

The Erosion, Sedimentation and Pollution Control Plan shall include, as a minimum, best management practices, including sound conservation and engineering practices to prevent and minimize erosion and resultant sedimentation, which are consistent with, and no less stringent than, those practices contained in the "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the State Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, as well as the following:

SITE DESCRIPTION

THE SITE IS LOCATED SOUTH WEST OF PARK ST, BETWEEN GREENHILL WAY AND WALNUT CT. OF IN CITY OF WALNUT GROVE, WALTON COUNTY

a. A description of the nature of the construction activity;

THE PROPOSED PROJECT INCLUDES STREAM BANK STABILIZATION IN ORDER TO STABILIZE THE SEVERE BANK EROSION.

b. A description and chart or timeline of the intended sequence of major activities which disturb soils for major portions of the site.

SEE BELOW ON THIS PAGE

c. Estimates of the total area of the site and the total area of the site that is expected to be disturbed by excavation, grading, or other activities;

PROJECT SITE AREA	LIMITS OF DISTURBANCE	
N/A	0.138 AC.	

d. An estimate of the runoff coefficient or peak discharge flow of the site prior to the construction activities and after construction activities are completed and existing data describing the soil or the quality of any discharge from the site;

e. A site map indicating drainage patterns and approximate slopes anticipated after major grading activities, areas of soil disturbance, an outline of areas which are not to be disturbed, the location of major structural and nonstructural controls identified in the Plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands), and locations where storm water is discharged to a surface water;

f. Identify the receiving water(s) and area extent of wetland acreage at the

AREA OF KNOWN WETLANDS	IDENTIFIED RECEIVING WATERS
0	UNNAMED TRIBUTARY TO GUM CREEK

THIS PROJECT DOES NOT LIE WITHIN 1 LINEAR MILE AND DOES NOT DISCHARGE INTO AN IMPAIRED STREAM SEGMENT THAT HAS BEEN LISTED FOR THE CRITERIA VIOLATED, "BIO F" (IMPAIRED FISH COMMUNITY) AND/OR "BIO M" (IMPAIRED MACROINVERTEBRATE COMMUNITY), WITHIN CATEGORY 4A, 4B OR 5, AND THE POTENTIAL CAUSE IS EITHER "NP" (NON-POINT SOURCE) OR "UR" (URBAN RUNOFF) PER 2010 INTEGRATED 305(b)/303(d) LIST OF NOT SUPPORTING DESIGNATED USES FOR STREAMS PER GASWWC INTERACTIVE MAPPING.

ANTICIPATED ACTIVITY SCHEDULE

ANTICIPATED START DATE: FEBRUARY 2020 ANTICIPATED END DATE: MARCH, 2020

ACTIVITY MONTH 1 | MONTH 2 CONSTRUCTION EXIT SILT FENCE CLEARING & GRUBBING DS2 AND DS3 GRADING SLOPE STABILIZATION MAINTAIN ES&PC MEASURES | X | X | X | X | X | X | X 3. Controls. This Plan includes a description of appropriate controls and measures that will be implemented at the construction site including: (1) initial sediment storage requirements and perimeter control BMPs, (2) intermediate grading and drainage BMPs, and (3) final BMPs. For construction sites where there will be no mass grading and the initial sediment storage requirements and perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase Plan. The Plan includes appropriate staging and access requirements for construction equipment. Plans submitted after the effective date of this permit shall limit the amount of disturbed area to no greater than 50 acres at any one time without prior written authorization from the appropriate EPD District Office according to the schedule in Appendix A of this permit. EPD will approve or disapprove such requests within 35 days of receipt. Failure of EPD to act within 35 days shall be considered an approval of such requests. If the EPD District Office approves a request to disturb 50 acres or more at any one time, the Plan must include at least four (4) of the best management practices listed in Part III.C.2. of this permit.

The Plan will clearly describe for each major activity identified in Part IV.D.2.b. appropriate control measures and the timing during the construction process that the measures will be implemented. The description and implementation of controls addresses the following minimum components:

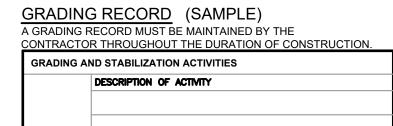
a. Erosion and sediment controls.

(1). Stabilization measures. A description of interim and permanent stabilization measures, including site-specific scheduling of the implementation of the measures. Slite plan should ensure that existing vegetation is preserved and that disturbed portions of the site are stabilized. Stabilization measures may include: temporary seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. A record of the dates when major grading activities occur, when construction activities temporarily or permanently cease on a portion of the site, and when stabilization measures are initiated shall be included in this Plan. Except as provided in paragraphs IV.D.3.(a).(1).(a). and (b). below, stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased.

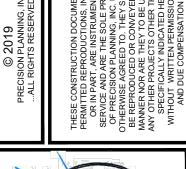
[THE STABILIZATION MEASURES SHOWN ON THIS PLAN HAVE BEEN DESIGNED TO STABILIZE THE DISTURBED AREAS FOLLOWING THE TEMPORARY OR PERMANENT COMPLETION OF CONSTRUCTION. IF THE CLEARED AREAS REMAIN UNDISTURBED FOR 14 DAYS DURING THE CLEARING AND GRUBBING PHASE. AND IT IS ANTICIPATED THAT THEY WILL REMAIN UNDISTURBED FOR AT LEAST 21 DAYS, THEN TEMPORARY MULCHING (DS1) WILL BE APPLIED TO THE AFFECTED AREAS. IF THE SAME OCCURS DURING THE FINAL GRADING PHASE, THEN TEMPORARY VEGETATION (DS2) WILL BE APPLIED TO THE AFFECTED AREAS. TEMPORARY MULCHING (DS1), TEMPORARY VEGETATION (DS2), AND PERMANENT VEGETATION (DS3) WILL BE INSTALLED ON DISTURBED AREAS

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

(b). Where construction activity will resume on a portion of the site within 21 days from when activities ceased, (e.g., the total time period that construction activity is temporarily ceased is less than 21 days) then stabilization measures do not have to be initiated on that portion of site by the 14th day after construction activity temporarily ceased



Primary Permittee / Developer Mr. KEITH CARTER Phone: (513) 292-5837 1076 SUMMIT DRIVE Address: City, State, MIDDLETOWN, OH Zip Code 45042







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09/10/2019

04-299 PPI PROJECT NO.

b. Storm water management.

This plan describes measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. These structural measures should be placed on upland soils to the degree attainable. The installation of these devices may be subject to Section 404 of the CWA. This permit only addresses the installation of storm water management measures, and not the ultimate operation and maintenance of such structures after the construction activities have been completed and the site has undergone final stabilization. Operators are only responsible for the installation and maintenance of storm water management measures prior to final stabilization of the site, and are not responsible for maintenance after storm water discharges associated with construction activity have been eliminated from the

(1). Such practices may include: storm water detention structures (including wet ponds); storm water retention structures; flow attenuation by use of open vegetated swales and natural depressions; infiltration of runoff on-site; and sequential systems (which combine several practices). This Plan has included an explanation of the technical basis used to select the practices to control pollution where flows exceed pre-development

(2). Velocity dissipation shall be placed at discharge locations and along the length of any outfall channel for the purpose of providing a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., no significant changes in the hydrological regime of the receiving water(s)).

SEE PAGE C 5.7 FOR VELOCITY IN PIPE CHART. PIPE DISCHARGES INTO A DRAINAGE SYSTEM.

(3). Installation and use of Green Infrastructure approaches and practices that mimic natural processes and direct storm water where it can be infiltrated, evapotranspirated or re-used with significant utilization of soils and vegetation rather than traditional hardscape collection, conveyance and storage structures are encouraged to the maximum extent practicable. Green Infrastructure practices or approaches include permeable or porous paving, vegetated swales instead of curbs and gutters, green roofs, tree boxes, rain gardens, constructed wetlands, infiltration planters, vegetated median strips, protection and enhancement of riparian buffers and floodplains, and the overall reduction in site disturbance and impervious area.

c. Other controls.

(1). Waste disposal. Locate waste collection areas away from streets, gutters, watercourses and storm drains. Waste collection areas, such as dumpsters, are often best located near construction site entrances to minimize traffic on disturbed soils. Secondary containment around liquid waste collection areas is required to further minimize the likelihood of contaminated discharges. Solid materials, including building materials, shall not be discharged to waters of the State, except as authorized by a Section 404 permit.

(2). Off-site vehicle tracking of dirt, soils, and sediments and the generation of dust shall be minimized or eliminated to the maximum extent practical. The Plan shall the best management practice to be implemented at the site or construction activity.

(3). Nothing in this permit relieves a permittee from any obligation to comply with all applicable State and local regulations of waste disposal, sanitary sewer, septic and petroleum storage systems.

(4). The Plan shall include best management practices for the remediation of all petroleum spills and leaks as appropriate.

(5). This Plan includes best management practices for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of vehicles. Washout of the drum at the construction site is prohibited.

Inspections.

a. Primary Permittee.

(1). Each day when any type of construction activity has taken place at a primary permittee's site, certified personnel provided by the primary permittee shall inspect: (a) all areas at the primary permittee's site where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment and (b) all locations at the primary permittee's site where vehicles enter or exit the site for evidence of off-site sediment tracking. These inspections must be conducted until a Notice of Termination is submitted.

(2). Measure 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 appropriate for the region.

(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 which case the inspection shall be completed by the end of the next business day and/or working day, whichever occurs first): (a) disturbed areas of the primary permittee's construction site; (b) areas used by the primary permittee for storage of materials that are exposed to precipitation; and (c) structural control measures. Erosion and sediment control measures identified in the Plan applicable to the primary permittee's site shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region, the permittee must comply with Part IV.D.4.a.(4). These inspections must be conducted until a Notice of Termination is submitted.

(4). Certified personnel (provided by the primary permittee) shall inspect at least once per month during the term of this permit (i.e., until a Notice of Termination is submitted to EPD) the areas of the site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and the receiving water(s). Erosion and sediment control measures identified in the Plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving

(5). Based on the results of each inspection, the site description and the pollution prevention and control measures identified in the Erosion, Sedimentation and Pollution Control Plan, the Plan shall be revised as appropriate not later than seven (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7) calendar days following each inspection.

(6). A report of each inspection that includes the name(s) of certified personnel making each inspection, the date(s) of each inspection, construction phase (i.e., initial, intermediate or final), major observations relating to the implementation of the Erosion, Sedimentation and Pollution Control Plan, and actions taken in accordance with Part IV.D.4.a.(5).. of the permit shall be made and retained at the site or be readily available at a designated alternate location until the entire site or that portion of a construction project that has been phased has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports shall be readily available by end of the second business day and/or working day and shall identify all incidents of best management practices that have not been properly installed and/or maintained as described in the Plan. Where the report does not identify an incident, the inspection report shall contain a certification that the best management practices are in compliance with the Erosion, Sedimentation and Pollution Control Plan. The report shall be signed in accordance with Part V.G.2.of this Permit.

Sampling Requirements shall include the following:

(1). A USGS topographic map, a topographic map or a drawing (referred to as a topographic map) that is a scale equal to or more detailed than a 1:24000 map showing the location of the site or the stand alone construction; (a) the location of all perennial and intermittent streams and other water bodies as shown on a USGS topographic map, and all other perennial and intermittent streams and other water bodies located during mandatory field verification, into which the stormwater is discharged and (b) the receiving water and/or outfall sampling locations. When the permittee has chosen to use a USGS topographic map and the receiving water(s) is not shown on the USGS topographic map, the location of the receiving water(s) must be hand-drawn on the USGS topographic map from where the storm water(s) enters the receiving water(s) to the point where the receiving water(s) combines with the first blue line stream shown on the USGS topographic map;

(2). A written narrative of site specific analytical methods used to collect, handle and analyze the samples including quality contorl/quality assurance procedures. This narrative must include precise sampling methodology for each sampling location;

(3). When the permittee has determined that some or all outfalls will be sampled, a rationale must be included on the Plan for the NTU limit(s) selected from Appendix B. This rationale must include the size of the construction site, the calculation of the size of the surface water drainage area , and the type of receiving water(s) (i.e., trout stream or supporting warm water fisheries); and

(4). Any additional information EPD determines necessary to be part of the Plan. EPD will provide written notice to the permittee of the information necessary and the time line for submittal.

a. Sample Type.

All sampling shall be collected by "grab samples" and the analysis of these samples must be conducted in accordance with methodology and test procedures established by 40 CFR Part 136 (unless other test procedures have been approved); the guidance document titled "NPDES Storm Water Sampling Guidance Document, EPA 833-8-92-001" 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 samples . The jars should be cleaned thoroughly to avoid contamination.

(4). Manual, automatic or rising stage sampling may be utilized. Samples required by this permit should be analyzed immediately, but in no case later than 48 hours after collection. However, samples from automatic samplers must be collected no later than the next business day after their accumulation, unless flow through automated analysis is utilized. If automatic sampling is utilized and the automatic sampler is not activated during the qualifying event, the permittee must utilize manual sampling or rising stage sampling during the next qualifying event. Dilution of samples is not required. Samples may be analyzed directly with properly calibrated turbidimeter. Samples are not required to be cooled.

(5). Sampling and analysis of the receiving water(s) or outfalls beyond the minimum frequency stated in this permit must be reported to EPD as specified in Part IV.E.

c. Sampling Points.

(1). For construction activities the primary permittee must sample all receiving water(s), or all outfall(s), or a combination of receiving water(s) and outfall(s). Samples taken for the purpose of compliance with this permit shall be representative of the monitored activity and representative of the water quality of the receiving water(s) and/or the storm water outfalls using the following minimum guidelines:

(a). The upstream sample for each receiving water(s) must be taken immediately upstream of the confluence of the first storm water discharge from the permitted activity (i.e., the discharge farthest upstream at the site) but downstream of any other storm water discharges not associated with the permitted activity. Where appropriate, several upstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the upstream turbidity value.

(b). The downstream sample for each receiving water(s) must be taken downstream of the confluence of the last storm water discharge from the permitted activity (i.e., the discharge farthest downstream at the site) but upstream of any other storm water discharge not associated with the permitted activity . Where appropriate, several downstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the downstream turbidity

(c). Ideally the samples should be taken from the horizontal and vertical center of the receiving water(s) or the storm water outfall channel(s)

(d). Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall storm water channel.

(e). The sampling container should be held so that the opening faces upstream.

(f). The samples should be kept free from floating debris .

(g). Permittees do not have to sample sheetflow that flows onto undisturbed natural areas or areas stabilized by the project. For purposes of this section, stabilized shall mean, for unpaved areas and areas not covered by permanent structures and areas located outside the waste disposal limits of a landfill cell that has been certified by EPD for waste disposal, 100% of the soil surface is uniformly covered in permanent vegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas),or equivalent permanent stabilization measures as defined in the Manual (excluding a crop of annual vegetation and seeding of target crop perennials appropriate for the region).

(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 storm water runoff from the construction site is in compliance with the standard set forth in Parts 111.D.3. or 111.D.4.,

Sampling Frequency.

(1). The primary permittee must sample in accordance with the Plan at least once for each rainfall event described below. For a qualifying event, the permittee shall sample at the beginning of any storm water discharge to a monitored receiving water and/or from a monitored outfall 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 beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the storm water discharge

(3). Sampling by the permittee shall occur for the following qualifying events:

(a). For each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a storm water discharge that occurs during normal business hours as defined in this permit after all clearing and grubbing operations have been completed, but prior to completion of mass grading operations, in the drainage area of the location selected as the sampling location:

(b). In addition to (a) above, for each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a storm water discharge that occurs during normal business hours as defined in this permit either 90 days after the first sampling event or after all mass grading operations have been completed, but prior to submittal of a NOT, in the drainage area of the location selected as the sampling location, whichever comes first;

(c). At the time of sampling performed pursuant to (a) and (b) above, if BMPs in any area of the site that discharges to a receiving water or from an outfall are not properly designed, installed and maintained, corrective action shall be defined and implemented within two (2) business days, and turbidity samples shall be taken from discharges from that area of the site for each subsequent rain event that reaches or exceeds 0.5 inch during normal business hours* until the selected turbidity standard is attained, or until post-storm event inspections determine that BMPs are properly designed, installed and maintained;

(d). Where sampling pursuant to (a), (b) or (c) above is required but not possible (or not required because there was no discharge), the primary permittee, in accordance with Part IV.D.4.a.(6),, or the tertiary permittee, in accordance with Part IV.D.4.c.(6)., must include a written justification in the inspection report of why sampling was not performed. Providing this justification does not relieve the permittee of any 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 permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities that have met the sampling required by (b) above shall not be required to conduct additional sampling other than as required by (c) above.

*Note that the Permittee may choose to meet the requirements of (a) and (b) above by collecting turbidity samples from any rain event that reaches or exceeds 0.5 inch and allows for sampling at any time of the day or week.

7. Non-storm water discharges. Except for flows from fire fighting activities, sources of non-storm water listed in Part 111.A.2. of this permit that are combined with storm water discharges associated with construction activity must be identified in the Plan. The Plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

1. The applicable permittees are required to submit the sampling results to the EPD at the address shown in Part 11.C. by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible format. Upon written notification, EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Sampling and analysis of any storm water discharge(s) or the receiving water(s) beyond the minimum frequency stated in this permit must be reported in a similar manner to the EPD. The sampling reports must be signed in accordance with Part V.G.2. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.

1. 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 used;
- e. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results:
- f. Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU;" and
- g. 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 (or similar service) to the appropriate District Office of the EPD according to the schedule in Appendix A of this permit. The permittees shall retain a copy of the proof of submittal at the construction site or the proof of submittal shall be readily available at a designated location from commencement of construction until such time as a NOT is submitted in accordance with Part VI. If an electronic submittal is provided by EPD then the written correspondence may be submitted electronically; if required, a paper copy must also be submitted by return receipt certified mail or similar

F. Retention of Records.

1. The primary permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part VI:

- a. A copy of all Notices of Intent submitted to EPD;
- b. A copy of the Erosion, Sedimentation and Pollution Control Plan required by this permit;
- c. The design professional's report of the results of the inspection conducted in accordance with Part IV.A.5. of this permit;
- d. A copy of all sampling information, results, and reports required by this permit;
- e. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this permit;
- f. A copy of all violation summaries and violation summary reports generated in accordance with Part 111.D.2.
- g. Daily rainfall information collected in accordance with Part IV.D.4.a.(2). of this permit.

2. Copies of all Notices of Intent, Notices of Termination, inspection reports, sampling reports (including all calibration and maintenance records and all original strip chart recording for continuous monitoring instrumentation) or other reports requested by EPD, Erosion, Sedimentation and Pollution Control Plans, records of all date used to complete the Notice of Intent to be covered by this permit and all other records required by this permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the NOT is submitted in accordance with Part VI. of this permit. These records must be maintained at the permittee's primary place of business or at a designated alternative location once the construction activity has ceased at the permitted site. This period may be extended by request of the EPD at any time upon written notification to the

Sampling Rationale Summary

SAMPLING POINT	NTU Limit Selected	Drainage Area	Type of Receiving Water
N/A	75 NTU	0-4.9 SQ MI	WARM

BMP NOTE: (Petroleum spill and leaks cleanup)

- Local State and manufacturer's recommended methods for spill cleanup will be clearly posted and procedures will be - Material and equipment necessary for spill cleanup will be kept in the material storage area. Material and equipment

includes the following list, but not limited to : brooms, mops, rakes, gloves, goggles,cat litter, sand, sawdust and properly label plastic and metal waste containers. Spill prevention practices and procedures will be reviewed after a spill and adjusted as necessary so to prevent future

- All Spills that impact the surface water(Leave a sheen on surface water) The National Response Center will be contacted within 24 hours at 1-800-426-2675. - For spills less than 25 gallons and no surface water impacts, The Georgia EPD will be contacted within 24 hours.

The contractor shall notify the licensed professional who prepared this plan if more than 1320 gallons of petroleum are stored onsite.(this includes capacities of equipment) or if any one piece of equipment has a capacity greater than 660 gallons. the Contractor will need a spill prevention Containment and countermeasures plan prepared by the licensed

BMP NOTE: (Waste Materials)

Solid materials, including building materials, shall not be discharged to waters of the State, except by a Section 404 Permit. All waste materials will be collected and stored in a securely lidded metal dumpster. The dumpster will meet all solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpster. The dumpster will be emptied a minimum of once per week or more often if necessary and trash will be

hauled as required by local regulations. No construction waste will be buried onsite.

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

BMP NOTE: (Sanitary Wastes)

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

- All sanitary waste units will be located in one area where the likelihood of the unit contributing to storm water discharge is negligible. Additional containment BMP's must be implemented such as gravel bags or specially designed plastic skid containers around the base, to prevent wastes from contributing to storm water discharges. The location of sanitary waste units must be identified on the Erosion Control Plan Grading Phase, Sheet C7.1, by the contractor once the locations have been determined.

STORMWATER NOTES:

- Structural BMPs such as Silt Fence, a Construction Entrance, and a Sediment Pond and Vegetative BMPs such at Temporary Mulching, Temporary Vegetation, Permanent Vegetation, and Matting Blankets will be installed to help limit runoff and the discharge of pollutants from exposed areas of the site to the degree attainable.

HAZARDOUS WASTES

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL, STATE, AND/OR FEDERAL REGULATIONS AND BY THE MANUFACTURER OF SUCH PRODUCTS. THE JOB SITE SUPERINTENDENT, WHO WILL ALSO BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED, WILL INSTRUCT SITE PERSONNEL IN THESE PRACTICES. MATERIAL SAFETY DATA SHEETS (MSDS'S) FOR EACH SUBSTANCE WITH HAZARDOUS PROPERTIES THAT IS USED ON THE JOB SITE WILL BE OBTAINED AND USED FOR THE PROPER MANAGEMENT OF POTENTIAL WASTES THAT MAY RESULT FROM THESE PRODUCTS. AN MSDS WILL BE POSTED IN THE IMMEDIATE AREA WHERE SUCH PRODUCT IS STORED AND/OR USED AND ANOTHER COPY OF EACH MSDS WILL BE MAINTAINED IN THE ESPCP FILE AT THE JOB SITE CONSTRUCTION TRAILER OFFICE. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING. PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES.

THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPCP AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

EROSION CONTROL NOTES:

- 1. THE EXTENT AND LOCATION OF EROSION CONTROL MEASURES SHOWN ARE THE ESTIMATED REQUIRED. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DUE TO ACTUAL FIELD CONDITIONS, AND WILL BE INSTALLED AT CONTRACTOR'S EXPENSE WHEN DIRECTED BY THE PROPER GOVERNING AUTHORITY.
- 2. IT SHALL BE THE RESPONSIBILITY OF THE PERSON PERFORMING THE CONSTRUCTION OPERATIONS TO INSTALL AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES INDICATED ON THESE DRAWINGS, OR TO PROVIDE ADDITIONAL MEASURES AS DEEMED NECESSARY BY SITE CONDITIONS.
- 3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" (SCS MANUAL) (LATEST EDITION), PUBLISHED BY THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION.
- 4. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS TO INDICATE CONTROL OF EROSION AT THE SOURCE AND NOT TO TRAP ERODED SOIL AS IT LEAVES THE CONSTRUCTION AREA. SEDIMENT TRAPS AND STRUCTURES
- ARE INTENDED FOR USE AS BACKUP TO THE PRIMARY MEASURES SHOWN.
- TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PROPERTY OWNER. 6. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL

5. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES, WHETHER

- MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.
- 7. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CHECKED DAILY.
- 8. EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
- 9. THE SOIL EROSION AND SEDIMENT CONTROL ORDINANCE REQUIRES THAT A 25 FOOT BUFFER ADJACENT TO ALL STATE WATERS BE MAINTAINED (ARTICLE 4, SECTION 4.3 PARAGRAPH 15). AN EXCEPTION IS GRANTED TO HOMEOWNERS WHO PERFORM MINOR LAND DISTURBING ACTIVITIES SUCH AS HOME LANDSCAPING, HOME GARDENS, REPAIRS AND MAINTENANCE WORK (ARTICLE 3, SECTION 3.1, PARAGRAPH 3).
- 10. 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.
- 11. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- 12. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25-FT OR 50-FT UNDISTURBED STREAM BUFFER 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.
- 13. SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL NOT BE DISCHARGED TO WATER OF THE STATE,
- 14. A 50-FOOT UNDISTURBED BUFFER AND A 75-FOOT IMPERVIOUS SETBACK IS TO BE MAINTAINED ADJACENT TO
- 15. DETENTION POND, DETENTION OUTLET STRUCTURES AND TEMPORARY SEDIMENT POND FEATURES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.
- 16. ALL FILL SLOPES SHALL HAVE SILT FENCE PLACED AT THE SLOPE'S TOE.

EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

ALL STREAMS.

- 17. CONCENTRATED FLOW AREAS AND ALL SLOPES STEEPER THAN 2.5:1 WITH A HEIGHT OF TEN FEET OR GREATER
- 18. THE PROFESSIONAL WHO SEALS THIS PLAN CERTIFIES UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY THE PROFESSIONAL OR THE PROFESSIONAL'S AUTHORIZED AGENT, UNDER THE PROFESSIONAL'S DIRECT SUPERVISION.

SHALL BE STABILIZED WITH THE APPROPRIATE EROSION CONTROL MATTING OR BLANKET.

- 19. UPON NOTIFICATION AND AUTHORIZATION OF THE OWNER, THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS RESPONSIBLE FOR INSPECTING THE INSTALLATION OF THE BMP'S WITHIN 7 DAYS AFTER INITIAL CONSTRUCTION ACTIVITIES BEGINS.
- 20. OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. THE PLAN SHALL INCLUDE THE BEST MANAGEMENT PRACTICE TO BE IMPLEMENTED AT THE SITE OR CONSTRUCTION ACTIVITY.



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04-299 PPI PROJECT NO.

GEORGIA SOIL AND WATER CONSERVATION COMMISSION MICHAEL TODD PARKER Level II Certified Design Professional CERTIFICATION NUMBER 0000064207 ISSUED: <u>6/23/17</u> EXPIRES: <u>6/23/20</u>