INFRASTRUCTURE CONSTRUCTION PROJECTS

Project Name:	SWC Oconee River Region 2
Project Name: City/County:	Parkway Boulevard Extension Oconee County Address: Proposed Route From Oconee Connector to Parkway Blvd. Date on Plans: October 21, 2015
Plan Inclu Page # Y/I	TO BE SHOWN ON ES&PC PLAN
1 Y	1 The applicable E'osion, Sedimentation and Pollution Control Plan Checklist established by the Commission as of Janu 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)
1,11-22 24,25 Y	2 Level II certification number issued by the Commission, signature and seal of the certified design professional.
	(Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed
11-22 1, 24 Y	3 The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution control4 Provide the name, address and phone number of primary permittee.
1,11-22 Y	4 Provide the name, address and phone number of primary permittee.
17-22, 24 11 &22 Y	5 Note total and disturbed acreage of the project or phase under construction. 6 Provide the GPS locations of the beginning and end of the Infrastructure project. Give the Latitude and Longitude in
	decimal degrees.
ALL Y	7 Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions 8 Description of the nature of construction activity.
1 Y	9 Provide vicinity map showing site's relation to surrounding areas. Include designation of specific phase, if necessary.
24	10 Identify the project receiving waters and describe all sensitive adjacent areas including streams, lakes, residential area wetlands, etc. which may be affected.
1, 11-22 Y	11 Design professional's certification slatement and signature that the site was visited prior to development of the ES&PC Plan as stated on page 15 of the permit.
24 Y	12 Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriat and comprehensive system of BMPs and sampling to meet permit requirements as stated on page 15 of the permit.*
24 Y	13 Design professional certification statement and signature that the permittee's ES&PC Plan provides for representative sampling as stated on page 26 of permit as applicable.*
24 Y	14 Clearly note the statement that "The design professional who prepared the ES&PC Plan is to inspect the installation of initial sediment storage requirements, perimeter control BMPs, and sediment basins in accordance with part IV.A.5.
24 Y	within 7 days after installation."* 15 Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed street."
	buffers as measured from the point of wrested vegetation without first acquiring the necessary variances and permits."
24 Y	16 Clearly note the statement that "Amendments/revisions to the ES&PC Plan which have a significant effect on BMPs wi hydraulic component must be certified by the design professional."*
24 Y	17 Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized be section 404 permt."*
11-22 Y	18 Clearly 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."
11-22 Y	19 Clearly note statement that "Erosion control measures will be maintained at all times. If full implementation of the approximation plan does not provide for effective erosion control, additional erosion and sediment control measures shall be implementation."
11-22 Y	to control or treat the sediment source." 20 Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with n
	or temporary seeding."
1,11-22 24,25 Y	21 Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstre of and within the same watershed as, any portion of an Biota Impaired Stream Segment must comply with Part III. C. of Permit. Include the completed Appendix 1 listing all the BMPs that will be used for those areas of the site which discharges.
N N/A	to the Impaired Stream Segment.* 22 If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in item 21)
	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.* (McNutt Creek is on 2011 Implementation plan list,
11,14,15 Y	but according to attached list, plan has not been completed) 23 BMPs for concrete washdown of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the dr
18 & 24	at the construction site is prohibited.*
11,14,15 18,19,22, Y 24	24 Provide BMPs for the remediation of all petroleum spills and leaks.
15-25 & 29	25 Description of the measures that will be installed during the construction process to control pollutants in storm water th will occur after construction operations have been completed.*
11-22 24,25, 29 25 Y	26 Description of the practices that will be used to reduce the pollutants in storm water discharges.* 27 Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility
24 Y	activities, temporary and final stabilization). 28 Provide complete requirements of inspections and record keeping by the primary permittee.*
24 Y	29 Provide complete requirements of sampling frequency and reporting of sampling results.* 30 Provide complete details for retention of records as per Part IV.F. of the permit.*
24 Y	31 Description of analytical methods to be used to collect and analyze the samples from each location.* 32 Appendix B rationale for NTU values at all outfall sampling points where applicable.*
24 Y 1 & 11-22 Y	33 Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is
11-22 24,25 Y	discharged also provide a summary chart of the justification and analysis for the representative sampling as applicable 34 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 s phase.*
2-23 30-33 Y	35 Graphic scale and North arrow.
11-23 Y	36 Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: Existing Contours USGS 1": 2000' Topographical Sheets
N N/A	Proposed Contours 1": 400' Centerline Profile
2-7, 9-11	as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gaswcc.org.
13-15 17-23 32, 33	38 Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to State waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.
2-7, 9-11 13-15 17-23	
32, 33 Y	39 Delineation of on-site wetlands and all State waters located on and within 200 feet of the project site.40 Delineation and acreage of contributing drainage basins on the project site.
1 Y 29 Y	41 Delineate on-site drainage and off-site watersheds using USGS 1':2000' topographical sheets. 42 An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are
29 Y	completed. 43 Storm-drain pipe and weir velocities with appropriate outlet protection to accommodate discharges without erosion.
11-22, 24 Y	Identify/Delineate all storm water discharge points. 44 Soil series for the project site and their delineation.
11-22 Y	45 The limits of disturbance for each phase of construction.
24-25	46 Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attained must be included in the plan for each common drainage location in which a sediment basin is not provided. A written justification as to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual must included for structural BMPs and all calculations used by the design professional to obtain the required sediment storage when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from
11-22 24-25 29	the surface are not feasible, a written justification explaining this decision must be included in the plan. 47 Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and
11-22 24-25 29	Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legend. 48 Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in
29 11-22	the Manual for Erosion and Sediment Control in Georgia.
24, 25 Y	49 Provide vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seeding, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of year that seeding.
	will take place and for the appropriate geographic region of Georgia. *If using this checklist for a project that is less than 1 acre and not part of a common development
	but within 200 ft of a perennial stream the * checklist items would be Effective January 1, 2015

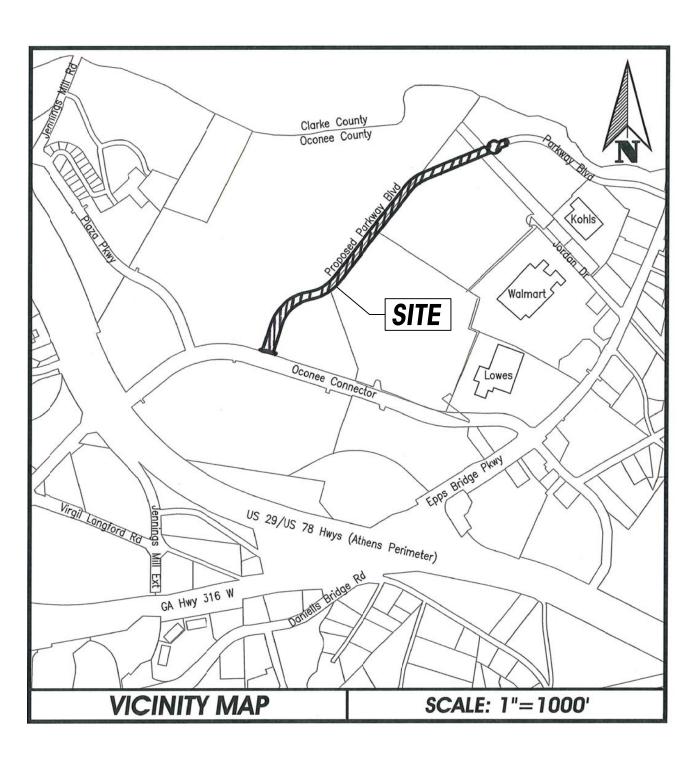
SITE CONSTRUCTION PLANS

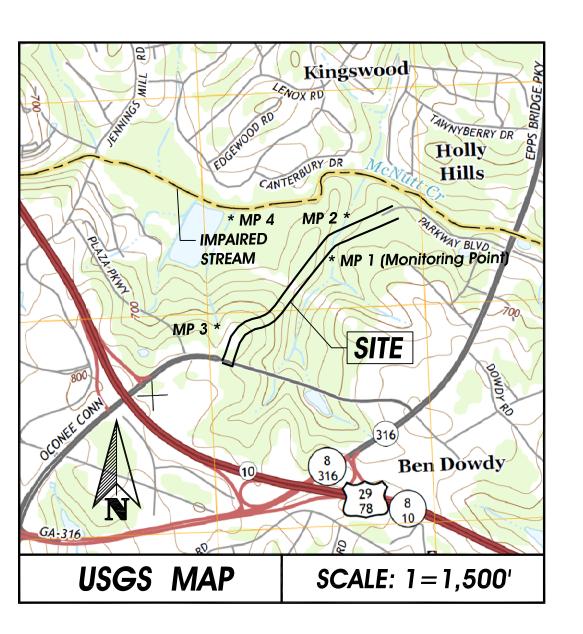
PARKWAY BOULEVARD EXTENSION

OCONEE CONNECTOR TO EXISTING PARKWAY BLVD. OCONEE COUNTY, GA

TOTAL PROPOSED RIGHT OF WAY ACREAGE: ±8.38 ACS

TOTAL DISTURBED ACREAGE: 19.45 ACS





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abe aboutant

ABE ABOUHAMDAN , HEREBY CERTIFY THAT I HAVE VISITED THE SITE PRIOR TO CREATION OF THE EROSION AND SEDIMENTATION CONTROL PLAN AND HAVE VERIFIED THE PRESENCE OR LACK THEREOF

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

HESE PLANS WERE PREPARED_BY A LEVEL TWO CERTIFIED PROFFESIONAL. NUMBER #0000010490

CALL ABE CONSULTING, INC. AT 706-613-8900 FOR CONSTRUCTION STAKING.

PROJECT DATA

OCONEE COUNTY PUBLIC WORKS DEPARTMENT C/O: MR. EMIL BESHARA, PE 1291 GREENSBORO HIGHWAY WATKINSVILLE, GA 30677 PHONE: (706) 769—2937

AUTHORIZED AGENT:

ABE CONSULTING, INC. CONTACT: ABE ABOUHAMDAN, PE 2410 HOG MOUNTAIN ROAD, SUITE 103 WATKINSVILLE, GA 30677 (706) 613-8900



Know what's **below**. **Call** before you dig. COLORS FOR UTILITY LOCATING:
White = Prop. Excavation Pink = Temp. Survey Markings Red = Electric Yellow = Gas/OilOrange = Phone/Cable Blue = Water

> Purple = Reclaimed Water Green = Sewer

COMPREHENSIVE ENGINEERING SERVICES CIVIL ENGINEERING LAND SURVEYING LAND PLANNING **CONSTRUCTION STAKING** LANDSCAPE ARCHITECTURE

> 2410 HOG MOUNTAIN ROAD SUITE 103 WATKINSVILLE, GA 30677 706-613-8900 706-425-9631 (FAX) abe@ABEconsultinginc.com www.ABEconsultinginc.com

COPYRIGHT AND OTHER RIGHTS TO THE STRICT USE OF THES DOCUMENTS FOR THE ORIGINAL PROJECT FOR WHICH THEY WERE INTENDED. ANY CHANGES OR ALTERATIONS MADE TO THESE CONSTRUCTION DRAWINGS WITHOUT THE WRITTEN APPROVAL OF ABE CONSULTING, INC. VOIDS THE SEAL SHOW HEREON AND ANY LIABILITY ASSOCIATED WITH THIS PROJECT HE ORIGINAL DRAWINGS ARE KEPT ON FILE FOR VERIFICATION OF ANY CHANGES. REPRODUCTIONS, MODIFICATIONS, OF

PARKWAY BOULEVARD EXTENSION

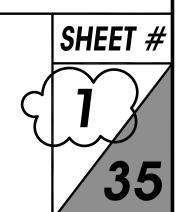
OCONEE CONNECTOR TO PARKWAY BOULEVARD OCONEE COUNTY, **GEORGIA** ±8.38 ACRES IN ROW

> COVER SHEET

REVISIONS	DAT
REVISED SH. 2 — QUANTITIES & NOTES	11-9-
ADDENDUM #2: REVISED SH. 1,3,11,16 & 24	11-18

DATE: 10-21-15

PROJECT #: 14-021-31



OWNER / DEVELOPER / PRIMARY PERMITTEE:

OCONEE COUNTY PUBLIC WORKS DEPARTMENT C/O MR. EMIL BESHARA, PE 1291 GREENSBORO HWY. WATKINSVILLE, GA 30677 PHONE: 706-769-2937

> 24 HOUR CONTACT: CONTACT: MR. EMIL BESHARA, PE ADDRESS: 1291 GREENSBORO HWY. **ADDRESS:** WATKINSVILLE, GA 30677 **CELL PHONE**: 706-540-1725

> > 706-769-2939

GDOT UTILITY NOTES:

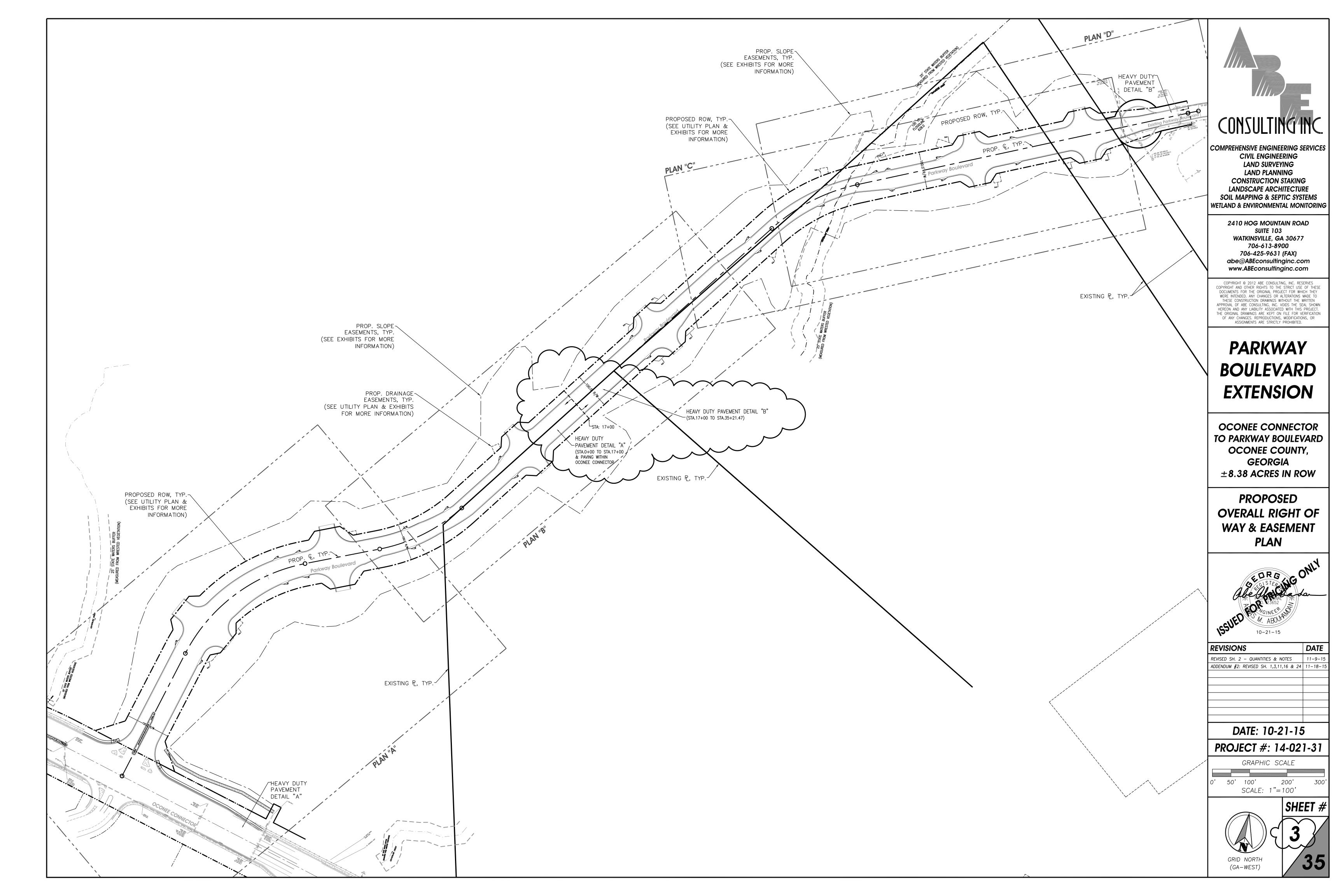
1. ALL UTILITY RELOCATIONS REQUIRED BY THIS PROJECT THAT ARE ON A STATE ROUTE MUST BE PERMITTED THROUGH THE GEORGIA UTILITIES PERMITTING SYSTEM (GUPS).

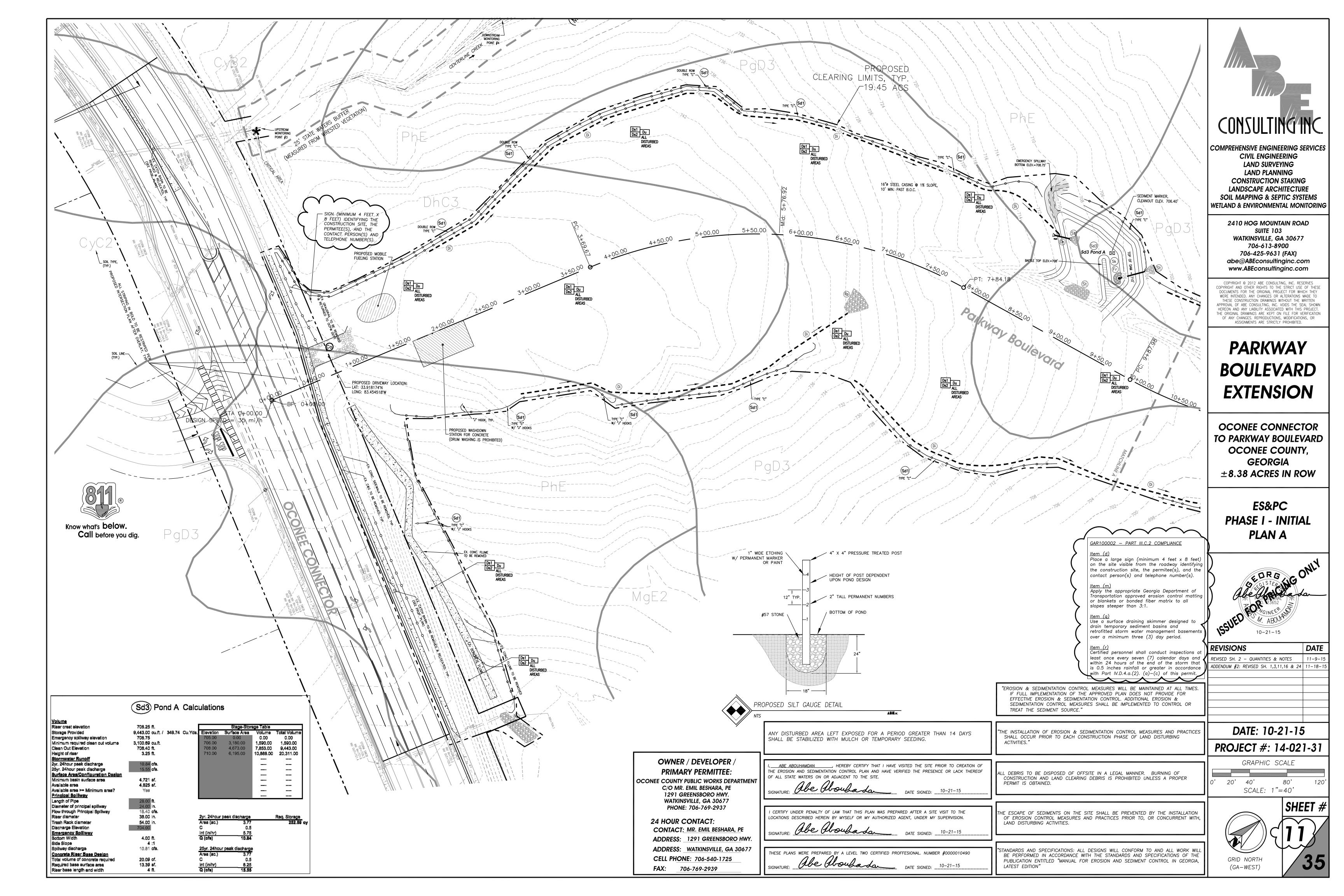
2. ALL UTILITIES RELOCATED AND/OR NEWLY INSTALLED SHALL BE IN ACCORDANCE WITH THE GDOT UTILITY MANUAL, CURRENT EDITION. ALL UNDERGROUND UTILITIES ARE TO BE LOCATED BY THE UTILITY OWNER OR A "LOCATES" FIRM PRIOR TO ANY EARTH DISTURBING ACTIVITIES. 4. SINCE PROPOSED WORK IS WITHIN 1000 FT OF GDOT TRAFFIC SIGNAL A SEPARATE LOCATE REQUEST IS REQUIRED.

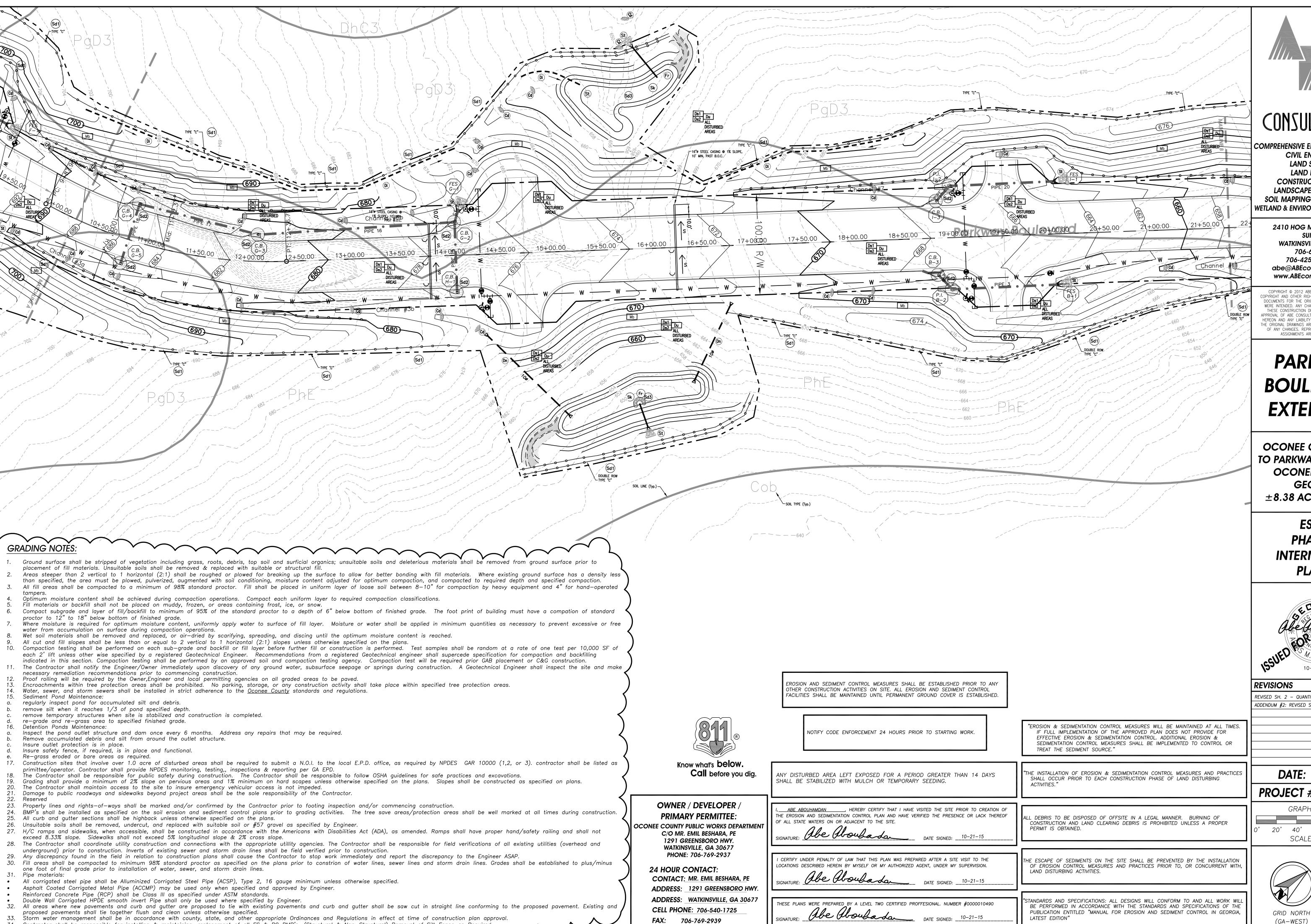
-WATER/SANITARY SEWER: OCONEE COUNTY UTILITY DEPT. -OVERHEAD POWER: WALTON EMC/GA. POWER -GAS LINE: ATLANTA GAS LIGHT CO. -TELECOM/DATA: AT&A -TELECOM/DATA/CABLE: CHARTER COMMUNICATIONS

-TRAFFIC SIGNAL WIRING/DATA: GDOT

ALL TRAFFIC CONTROL SHALL BE INSTALLED & MAINTAINED PER GDOT REQUIREMENTS.







34. Contractor shall be responsible for installing & maintaining, replacement of all ES & PC BMP's. (Structural & Non—Structural) Removal of Silt Fence as Required.

CONSULTING

CIVIL ENGINEERING LAND SURVEYING LAND PLANNING CONSTRUCTION STAKING LANDSCAPE ARCHITECTURE

2410 HOG MOUNTAIN ROAD **SUITE 103** WATKINSVILLE, GA 30677 706-613-8900 706-425-9631 (FAX) abe@ABEconsultinginc.com www.ABEconsultinginc.con

PARKWAY BOULEVARD EXTENSION

OCONEE CONNECTOR TO PARKWAY BOULEVARD OCONEE COUNTY, **GEORGIA** ±8.38 ACRES IN ROW

> ES&PC PHASE II-**INTERMEDIATE** PLAN B



	REVISIONS	DATE
	REVISED SH. 2 – QUANTITIES & NOTES	11-9-15
	ADDENDUM #2: REVISED SH. 1,3,11,16 & 24	11-18-15
7		
ı		
ı		

DATE: 10-21-15 PROJECT #: 14-021-31

GRAPHIC SCALE

20' 40' SCALE: 1"=40'



SHEET #

PROJECT DESCRIPTION

THIS PROJECT INVOLVES CONSTRUCTING A LINEAR TRANSPORTATION PROJECT. THE CONSTRUCTION WILL INCLUDE UTILITIES, INFRASTRUCTURE, LANDSCAPING AND OTHER RELATED ITEMS. CLEARING, GRUBBING, GRADING AND PAVING ACTIVITIES WILL BE PHASED IN AS SHOWN ON THE PLANS. A DBL BOX CULVERT WILL BE CONSTRUCTED OVER AN EX. UNNAMED CREEK. BMP's WILL BE INSTALLED AS SPECIFIED ON THE APPROVED PLANS.

THIS SITE IS CURRENTLY MOSTLY WOODED. THE SITE HAS SLOPES OF 2%-50%. THERE IS AN EXISTING SANITARY SEWER SEWER LINE RUNNING ALONG THE STREAM WITHIN A PORTION OF THE PROJECT AREA. THERE ARE STATE WATERS WITHIN 200' OF SITE BOUNDARY. DRAINAGE PATTERNS FOLLOW LAND TOPOGRAPHY BY SHEET FLOW AND NATURAL DRAINAGE SWALES LEADING TO THE INITIAL RECEIVING WATERS, AN UNNAMED TRIBUTARY TO MCNUTT CREEK WITHIN THE SITE. McNUTT CREEK IS LISTED AS AN IMPAIRED STREAM, BUT THE CRITERIA VIOLATED WAS NOT (BIO F) OR (BIO M).

SURROUNDING LAND USE: VACANT AND FUTURE USE TO BE COMMERCIAL.

CYC2-Cecil Sandy Loam, 6.0 to 10.0 % Slopes, Absorption - 45 min./in., Depth to Bedrock - >72", Depth to Water Table - >72", Erodibility: K = .28 T = 4 PgD3 - Pacolet Sandy Clay Loam, 10.0 to 15.0 % Slopes, Absorption - 30 min./in., Depth to Bedrock - >72", Depth to Water Table - >72", Erodibility: K = .24 T = 2 Cob - Chewacla soils and Alluvial land, 0.0 to 2.0 % Slopes, Absorption - NA, Depth to Bedrock - >72", Depth to Water Table - >20-60", Erodibility: K = .24 T = 5 PfD2 - Pacolet Sandy Clay Loam, 10.0 to 15.0 % Slopes, Absorption - 30 min./in., Depth to Bedrock - >72", Depth to Water Table - >72", Erodibility: K = .20 T = . PhE - Pacolet - Gullied land complex, 10.0 to 25.0 % Slopes, Absorption - 35-40 min./in., Depth to Bedrock - >72", Depth to Water Table - >72", Erodibility: K = .24 T = 2 DhC3 - Davidson Clay Loam, 6.0 to 10.0 % Slopes, Absorption - 30 min./in., Depth to Bedrock - >72", Depth to Water Table - >72", Erodibility: K = .28 T = 5

PROPOSED USE: New Roadway CURRENT USE: Vacant

7. EROSION AND SEDIMENT CONTROL MEASURES DISTURBED AREAS WILL BE KEPT TO A MINIMUM. TEMPORARY MULCHING AND GRASSING WILL BE APPLIED TO DISTURBED AREAS DURING CONSTRUCTION. BMPS, SUCH AS SILT FENCE, Cd, Co, TEMPORARY AND PERMANENT GRASSING, OUTLET PROTECTION, ETC., WILL BE UTILIZED THROUGHOUT CONSTRUCTION TO CONTROL EROSION. (SEE PLANS FOR BMP'S)

8. PERMANENT STABILIZATION

- DISTURBED AREAS MUST BE STABILIZED WITHIN 14 DAYS OF DISTURBANCE.
- ALL AREAS THAT HAVE BEEN DISTURBED DURING CONSTRUCTION SHALL BE SEEDED AND MULCHED AS SPECIFIED. AREAS TO BE GRASSED SHALL BE FREE OF CONSTRUCTION DEBRIS, BRANCHES, STUMPS, OR STONES. A TOPSOIL LAYER SHALL BE APPLIED AND RAKED PRIOR TO SEEDING OR GRASSING
- LIME SHALL BE DISTRIBUTED UNIFORMLY IF NEEDED, AT A MINIMUM RATE OF 2,600 LBS. TO 3,000 LBS. PER ACRE. LIME SHALL BE GROUND LIMESTONE (CALCITE OR DOLOMITE), WITH 90% PASSING THROUGH A 10-MESH SIEVE, NOT LESS THAN 50% PASSING THROUGH A 50-MESH SIEVE, AND NOT LESS THAN 25% PASSING THROUGH A 100-MESH SIEVE.
- WEED SEED SHALL NOT BE MORE THAN 1.5% OF TOTAL SEED. ALL SEED SHALL BE FACTORY PACKED AND TESTED.
- A 10-10-10- FERTILIZER SHALL BE APPLIED UNIFORMLY, AS REQUIRED, OVER DISTURBED AREAS AT THE RATE OF 600-1,000 LBS. PER ACRE MINIMUM.
- HAY OR STRAW OF GOOD QUALITY AND FREE OF DEBRIS SHALL BE APPLIED AS MULCH OVER DISTURBED AREAS. OTHER ACCEPTABLE MULCH MATERIAL MAY BE USED AS SPECIFIED OR APPROVED BY THE ENGINEER. MULCH MAY BE APPLIED BY HAND OR BY MECHANICAL BLOWERS TO OBTAIN A UNIFORM COVERAGE. DEPTH OF HAY SHALL NOT BE LESS THAN 1.5" BUT NO GREATER THAN 2.5". MULCH SHALL BE APPLIED AT 2.0 TO 2.5 TONS PER ACRE. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVERAGE. MULCH SHALL BE STABILIZED IN PLACE BY VARIOUS MEANS SUCH AS TACKING, NETTING, PINS, STAKES, OR OTHER APPROVED METHODS.

9. STORMWATER MANAGEMENT CONSIDERATION

STORM WATER RUNOFF IS COLLECTED THROUGH A SERIES OF CONVEYANCES AND SWALES TO TEMPORARY SEDIMENT BASIN PRIOR TO REACHING THE LOWER PORTIONS OF THE PROPERTY. OUTLET PROTECTION WILL BE PROVIDED AT ALL OUTFALLS. WITH FULL IMPLEMENTATION OF THE CONSTRUCTION PLANS, THERE WILLMINIMAL IMPACT OR CHANNEL DEGRADATION DOWNSTREAM.

- A."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. PRACTICES WILL BE CHECKED DAILY."
- B.EROSION CONTROL MEASURES SHALL BE INSPECTED DAILY AND AFTER RAINFALL EVENTS. BMP'S THAT REQUIRE REPLACEMENT, REPAIR, OR MAINTENANCE SHALL BE ADDRESSED DURING THE SAME DAY, OR THE FOLLOWING DAY BY A RESPONSIBLE CONTRACTOR. C.ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE DEEMED NECESSARY BY AN ON-SITE INSPECTION.
- D.ACCUMULATED SEDIMENTS SHALL BE REMOVED FROM SEDIMENT BASINS AND SILT FENCES PRIOR TO REACHING 1/3 OF CAPACITY. COLLECTED SEDIMENTS SHALL BE SPREAD EVENLY OVER DISTURBED AREAS.
- E.PERMANENT VEGETATION SHALL BE ESTABLISHED AS SOON AS POSSIBLE TO MINIMIZE EROSION.
- F. EVERY POSSIBLE MEASURE SHALL BE TAKEN TO PREVENT SEDIMENT FROM ENTERING STORM INLETS, ADJACENT STREAMS, AND DOWNSTREAM WATER.

CALCULATIONS ARE PROVIDED FOR Sd3 ON THE SESC PLAN SHEETS AND SESC DETAIL SHEET.

SEDIMENT BASIN CALCULATIONS DISTURBED AREA: 19.45 ACRES

TOTAL AREA DRAINED: 15.82 ACRES SEDIMENT VOLUME GENERATED:

x 67 C.Y./ ACRE 1303 C.Y.

STORAGE PROVIDED: SEDIMENT PONDS (Sd3s) A:349 CY, B:248 CY, C:288 CY, D:121 CY, E:135 CY, F:171 CY = <u>1313.82 CY</u>

$TOTAL PROVIDED = \underline{1312} CY$ 12. THERE ARE NO WETLAND AREAS ON SITE.

13. SPECIFIC PROJECT DATA

-TOTAL PROJECT IN PROPOSED ROW AREA: 8.33 ACRES

-ANTICIPATED DISTURBED AREA: -ANTICIPATED VOLUME OF SOIL TO BE DISTURBED: 175,800 CY

-PER APPENDIX B, 50 IS THE ALLOWABLE NTU VALUE FOR THE SITE BASED ON A DISTURBED AREA OF 19.45 ACRES AND SURFACE WATER DRAINAGE AREA OF 0.06 SQUARE MILES.

14. FIRM MAP: 13219 C0065D, DATED SEPT. 2, 2009.

15. THIS SITE <u>DOES LIE</u> WITHIN THE 100-YEAR FLOOD LIMITS.

16. SOIL EROSION PROGRAM IMPLEMENTATION

- A."STANDARD AND SPECIFICATIONS: ALL DESIGNS WILL CONFORM TO AND ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE PUBLICATION ENTITLE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA."
- POSSIBLE, DURING CLEARING ACTIVITIES. GRADING SHALL NOT COMMENCE UNTIL BMP'S HAVE BEEN CONSTRUCTED ON SITE -BMP'S INCLUDE, BUT ARE NOT LIMITED TO, SILT FENCE, CONSTRUCTION EXITS, TEMPORARY SEDIMENT PONDS, TEMPORARY AND PERMANENT GRASSING, MULCHING, OUTLET PROTECTIONS, SLOPE STABILIZING, JUTE MATTING, CHECK DAMS, SURFACE ROUGHENING, DIVERSION DITCHES. DOWNDRAINS, ETC

B.INSTALLATION OF BMP'S AS SPECIFIED AND PHASED ON THE APPROVED DRAWINGS SHALL BE INSTALLED PRIOR TO, OR AS SOON AS FEASIBLY

- C.BMP'S SHALL BE INSTALLED IN STRICT ADHERENCE TO THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLANS. CONSTRUCTION MAY IN SOME CASES BE STOPPED DUE TO IMPROPER INSTALLATION AND MAINTENANCE OF BMP'S. D.EROSION CONTROL MEASURES SHALL BE ADAPTED TO CONSTRUCTION AND SITE CONDITIONS AS RECOMMENDED BY ENGINEER OR QUALIFIED
- E. SLOPES WITH 2 HORIZONTAL TO 1 VERTICAL (2:1) THAT CREATE OVER 8 FEET IN ELEVATION DIFFERENCE SHALL BE STABILIZED WITH JUTE
- MATTING OR EQUIVALENT PRODUCT. F. A "NOTICE OF INTENT" (N.O.I.) SHALL BE SUBMITTED TO THE PROPER AGENCY AS REQUIRED BY N.P.D.E.S. FOR ALL PROJECTS WITH OVER 1.0 ACRES
- OF DISTURBED AREA. G. BMP'S ARE CONSIDERED TEMPORARY AND SHALL BE REMOVED AFTER PROJECT COMPLETION, UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS.
- H. DISTURBED AREAS THAT ARE NOT UNDER CONSTRUCTION MUST BE STABILIZED WITHIN 14 DAYS OF DISTURBANCE. I. TOPSOIL SHALL BE COLLECTED AND STOCKPILED ON SITE. A UNIFORM LAYER OF DEBRIS-FREE TOPSOIL SHALL BE UNIFORMLY SPREAD OVER
- DISTURBED AREAS TO ENHANCE VEGETATION GROWTH.

J. PRIOR TO ANY LAND DISTURBANCE, TREE-SAVE AREAS SHALL BE OUTLINED AND WELL-PROTECTED BY ORANGE FENCING AS SPECIFIED ON DRAWINGS.

OCONEE COUNTY BUILDING DEPARTMENT SHALL BE NOTIFIED PRIOR TO STARTING CONSTRUCTION AT 706-769-3907.

OCONEE COUNTY CODE ENFORCEMENT SHALL BE NOTIFIED 24 HOURS PRIOR TO STARTING CONSTRUCTION

THE PROJECT IS LOCATED OFF THE OCONEE CONNECTOR IN OCONEE COUNTY. OTHER THAN THE FRONTAGE ON THE R.O.W. ON THE OCONEE CONNECTION & EXTENSION OF EXISTING ROW, THE SITE IS BORDERED BY PRIVATELY OWNED PROPERTIES.

19. SOIL SURVEY SHEET NO: OCONEE

MR. EMIL BESHARA P.E., ENGINEERING DIRECTOR OCONEE COUNTY PUBLIC WORK DEPARTMENT

ADDRESS:

1291 GREENSBORO HIGHWAY WATKINSVILLE, GA. 30677 FAX: 706-769-2939

24-HOUR PHONE: CELL# 706-540-1725

NPDES PERMIT NO. GAR 100002 - NOTES AND REQUIRED PROCEDURES.

I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REOUIRED BY THE GEORGIA WATER OUALITY ACT AND THE DOCUMENT "MANUAL FOR FROSION AND SEDIMENT CONTROL IN GEORGIA" (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATER(S) OR THE SAMPLING OF THE STORM WATER OUTFALLS AND THAT THE DESIGNED SYSTEM OF BEST MANAGEMENT PRACTICES AND SAMPLING METHODS IS EXPECTED TO MEET THE REQUIREMENTS CONTAINED IN THE GENERAL NPDES PERMIT NO. GAR 100002.

AREAS THAT HAVE POTENTIAL DUST PROBLEM.

INDICATING DRAINAGE PATTERNS, DISCHARGE POINTS AND PEAK RUNOFF FLOWS.

PERMITTEE SHALL PROVIDE ES & PC PLAN COPIES TO ALL SECONDARY PERMITTEES PRIOR TO THE SECONDARY PERMITTEES

EVIDENCE SHALL BE OBTAINED BY THE PRIMARY PERMITTEE FROM ALL SECONDARY PERMITTEES THAT THEY EACH RECEIVED A COPY OF THE ES & PC PLANS

PRIMARY PERMITTEES SHALL PROVIDE A LIST OF ALL SECONDARY PERMITTEES TO EPD. SECONDARY PERMITTEES SHALL BE RESPONSIBLE FOR SUBMITTING THE REQUIRED NOTICE OF INTENT (NOI).

DESIGN PROFESSIONAL WHO PREPARED THE ES & PC PLANS SHALL CONDUCT A SITE VISIT TO INSPECT THE INSTALLATION OF BEST MANAGEMENT PRACTICES (BMPS) WITHIN 7 DAYS AFTER THE INITIAL CONSTRUCTION ACTIVITIES STARTS. REFER TO THE PROJECT STORM WATER MANAGEMENT REPORT FOR DETAILED INFORMATION REGARDING THE SITE MAP

CONSTRUCTION WASTE MATERIALS INCLUDING BUT NOT LIMITED TO BUILDING MATERIALS. CONSTRUCTION DEBRIS, OLD SOIL EROSION FENCING AND POST, AND OTHER SOLID WASTE SHALL NOT BE DISCHARGED TO STATE WATERS UNLESS AS AUTHORIZED BY SECTION 404 PERMIT. ALL CONSTRUCTION WASTE MATERIAL SHALL BE REMOVED FROM SITE AND DISPOSED

OF AT A PERMITTED SOLID WASTE MANAGEMENT FACILITY. DUST CONTROL SHALL BE PROVIDED DURING CONSTRUCTION BY THE CONTRACTOR, AS REQUIRED DURING DRY WEATHER SEASON AND DRY CONDITIONS ON SITE. THE CONTRACTOR SHALL APPLY WATER BY SPRAYING OVER DISTURBED AREAS THAT ARE POTENTIAL FOR CREATING DUST DURING CONSTRUCTION. OTHER METHOD OF CONTROLLING DUST MAY BE

IMPLEMENTED INCLUDING BUT NOT LIMITED TO PLACING A TEMPORARY GRAVEL OR CRUSHER RUN LAYER OVER DISTURBED

THE ES & PC PLAN SHALL BE IN COMPLIANCE WITH APPLICABLE STATE AND LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS. TO THE BEST OF OUR ABILITIES AND KNOWLEDGE, THE ES & PC HAS BEEN PREPARED IN COMPLIANCE WITH THE COUNTY HEALTH DEPARTMENT REGULATIONS.

FUELING OF CONSTRUCTION EQUIPMENT SHALL BE DONE BY MOBILE FUELING TRANSPORT UNITS. HOWEVER, FUELING OF CONSTRUCTION EQUIPMENT SHALL BE CONDUCTED AT THE LOCATION(S) SPECIFIED ON THE ES & PC PLANS. THE DESIGNATED FUELING LOCATION(S) SHALL BE CONSTRUCTED TO CONTROL ANY SPILL OR LEAK IN A CONTAINMENT AREA THESE AREA SHALL HAVE SECONDARY CONTAINMENT BY MEANS OR CLAY LINER AND BERMS AS REQUIRED. REFER TO THE DETAIL PROVIDED ON THE PLANS FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS.

NON-EXEMPT LAND DISTURBING ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25' OR 50' UNDISTURBED STREAM BUFFERS, AS MEASURED FROM WRESTED VEGETATION, UNLESS ALL VARIANCES AND PERMITS HAVE BEEN APPROVED OR AUTHORÍZED BY EPD AND OTHER PERMITTING AGENCIES, AS REQUIRED

ES&PC PLAN AMENDMENTS OR REVISIONS DURING CONSTRUCTION THAT HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL

AMPLING SHALL BE PERFORMED AT THE MONITORING POINT(S) SPECIFIED ON THE ES & PC PLANS. SAMPLING UPSTREAM & DOWNSTREAM AT THE CREEK THAT IS BEING CROSSED IS SELECTED. UPSTREAM & DOWNSTREAM SAMPLING HAS BEEN CHOSEN SINCE THIS IS THE CRITICAL AREA OF DISCHARGE POINTS. ALL OTHER OUTFALL POINTS ARE GREATER THAN 200' FROM EX. STREAMS OR STATE WATERS. 50 NTU IS ALLOWED BY DRAINED AREA, BUT A TOTAL DIFFERENCE OF 25 NTU IS ALLOWED AT THE CREEKS BETWEEN UPSTREAM & DOWNSTREAM MONITORING POINTS. -THE OVERALL SITE AREA: <u>8.38</u> ACRES IN PROPOSED ROW -PROJECT CONSTRUCTION AREA: 19.50 ACRES (DISTURBED AREA) -SURFACE WATER DRAINAGE AREA: 0.49 SQ. MILES

-TYPE OF RECEIVING WATERS: SUPPORTING WARM WATER FISHERIES

NOTICE OF INTENT (N.O.I.) 1. COMPLETE AND SUBMIT N.O.I. AND ALL REQUIRED FEES TO EPD, MINIMUM 14 DAYS PRIOR TO START OF CONSTRUCTION

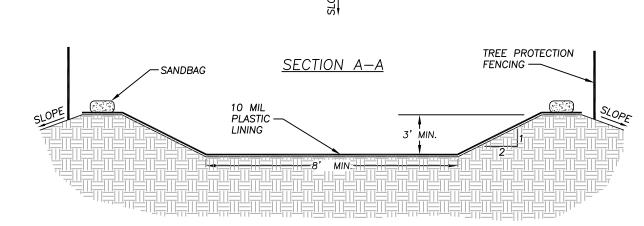
- QUALIFIED PERSONNEL REQUIREMENTS

 1. WEEKLY INSPECTIONS
- SAMPLING IS REOUIRED BY PERMIT MONTHLY REPORTS, COMPILATIONS, AND SUBMITTAL TO EPD.
- 7 DAY INSPECTION AFTER START OF CONSTRUCTION BY DESIGNER OR ENGINEER
- SITE MUST BE 70% STABILIZED, MINIMUM
- EROSION AND PERMANENT BMP PROBLEMS ARE SOLVED FINAL INSPECTION COMPLETED
- PROJECT CLOSE OUT

FINAL STABILIZATION COMPLETED

N.O.T. FORM FILLED OUT AND SUBMITTED TO EPD

CONCRETE WASH AREA BMP TREE PROTECTION FENCING -8' X 8' MIN. BOTTOM AREA PLASTIC -LINING ∐ WASHOUT SIGN -



CONCRETE WASH AREA (CWA) INSTALLATION AND MAINTENANCE NOTES:

- 1. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE. 2. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8'X8' WITH SLOPES LEADING OUT AT 2:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.
- PIT SHALL BE INSTALLED AS TO ENSURE NO SURFACE WATER ENTERS. 1. SIGNS SHALL BE PLACED AT THE CONSTRUCTION SITE ENTRANCE AND AT THE CWA TO CLEARLY INDICATE THE LOCATION OF THE WASH AREA TO THE OPERATORS OF CONCRETE TRUCKS.
- 5. CWA SHALL BE CLEANED OUT WHEN 2/3 FULL AND MATERIAL DISPOSED OF IN AN APPROVED MANNER. 6. CWA TO BE COVERED DURING RAIN EVENTS TO PREVENT OVERFLOW OF CONTAMINATED WASH WATER

INSPECTIONS:

NOTICE OF INTENT (NOI) COMPLETE AND SUBMIT NOI TO EPD

2. PAY ALL REQUIRED FEES TO EPD B. SUBMIT NOI AND FEE TO EPD A MINIMUM OF 14 DAYS PRIOR TO START OF CONSTRUCTION.

INSPECTIONS SHALL BE CONDUCTED UNTIL A NOT IS SUBMITTED ALL INSPECTIONS SHALL BE PERFORMED BY QUALIFIED PERSONNEL

1. DAILY (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; (B) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING; AND (C) MEASURE RAINFALL ONCE EACH TWENTY-FOUR HOUR PERIOD AT

THESE PLANS WERE PREPARED BY A LEVEL TWO CERTIFIED PROFFESIONAL. NUMBER #0000010490

2. WEEKLY AND WITHIN 24-HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE THAT HAVE NOT LINDERGONE FINAL STABILIZATION: (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF

MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL STABILIZATION: AND (C) STRUCTURAL CONTROL MEASURES. THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION - THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF OR 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 ENDURE THAT THEY ARE OPERATING CORRECTLY. 4. ES AND PC PLAN CHANGES BASED ON THE RESULTS OF EACH INSPECTION. THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE ES AND PC 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. THIS PRIMARY PERMITTEE MUST AMEND THE PLAN IN ACCORDANCE WITH PART IV.D.3.B.(4). WHEN A SECONDARY PERMITTEE NOTIFIES

REPORTS A REPORT SUMMARIZING THE SCOPE OF EACH INSPECTION AND THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION. THE DATE(S) OF EACH INSPECTION. MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION. SEDIMENTATION AND POLLUTION CONTROL PLAN AND ACTIONS TAKEN IN ACCORDANCE WITH PART V.A.6.A.(4), 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 IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND THIS PERMIT. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT.

- SECONDARY PERMITTEE INSPECTIONS SHALL BE CONDUCTED UNTIL A NOT IS SUBMITTED ALL INSPECTIONS SHALL BE PERFORMED BY QUALIFIED PERSONNE
- (A) ALL AREAS AT THE SECONDARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED LISED OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND FOLLIPMENT: (B) ALL LOCATIONS AT THE SECONDARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS IF THEY ARE SECONDARY PERMITTEES.
- WEEKLY AND WITHIN 24-HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER (A) DISTURBED AREAS OF THE SECONDARY PERMITTEE'S CONSTRUCTION SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION: (B) AREAS USED BY THE SECONDARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT LINDERGONE FINAL STABILIZATION: AND (C) STRUCTURAL CONTROL MEASURES. FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION. THE PERMITTEE MUST COMPLY WITH PART IV.D.3.B.(3). THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS IF THEY ARE SECONDARY PERMITTEES PERFORMING ONLY SERVICE LINE INSTALLATIONS
- THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR 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 ENDURE 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 OF RECEIVING WATER(S). THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS IF THEY ARE SECONDARY PERMITTEES.
- BASED ON THE RESULTS OF EACH INSPECTION, THE SECONDARY PERMITTEE MUST NOTIFY THE PRIMARY PERMITTEE WITHIN 24-HOURS OF ANY SUSPECTED BMP DESIGN DEFICIENCIES. THE PRIMARY PERMITTEE MUST EVALUATE WHETHER THESE DEFICIENCIES ARE FOUND TO EXIST MUST AMEND THE PLAN IN ACCORDANCE WITH PART IV.C. OF THIS PERMIT TO ADDRESS THOSE DEFICIENT BMPS WITHIN SEVEN (7) DAYS OF BEING NOTIFIED BY THE SECONDARY PERMITTEE. WHEN THE PLAN IS AMENDED THE PRIMARY PERMITTEE MUST NOTIFY AND PROVIDE A COPY OF THE AMENDMENT TO ALL AFFECTED SECONDARY PERMITTEE(S) WITHIN THIS SEVEN (7) DAY PERIOD. THE SECONDARY PERMITTEES MUST IMPLEMENT ANY NEW PLAN REQUIREMENTS AFFECTING THEIR SITE(S) WITHIN 48-HOLIRS OF NOTIFICATION BY THE PRIMARY PERMITTEE
- A REPORT SUMMARIZING THE SCOPE OF EACH INSPECTION AND THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND ACTIONS TAKEN IN ACCORDANCE WITH PART V.A.6.A.(4). OF THE PERMIT SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION LINTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS LINDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE ES AND PC PLAN AND THIS PERMIT. THIS REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT. THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS IF THEY ARE SECONDARY PERMITTEES PERFORMING ONLY SERVICE LINE INSTALLATIONS.

TERTIARY PERMITTEE INSPECTIONS SHALL BE CONDUCTED UNTIL A NOT IS SUBMITTED ALL INSPECTIONS SHALL BE PERFORMED BY QUALIFIED PERSONNEL

(A) ALL AREAS USED BY THE TERTIARY PERMITTEE WHERE PETROLEUM PRODUCTS ARE STORED. USED, OR HANDLED, FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT: (B) ALL LOCATIONS AT THE TERTIARY PERMITTEE SITE WHERE THE PERMITTEE'S VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS PERFORMING ONLY SERVICE LINE INSTALLATIONS WEEKLY AND WITHIN 24-HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER

(A) DISTURBED AREAS OF THE TERTIARY PERMITTEE'S CONSTRUCTION SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION; (B) AREAS USED BY THE TERTIARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL STABILIZATION: AND (C) STRUCTURAL CONTROL MEASURES. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE TERTIARY 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, THE PERMITTEE MUST COMPLY WITH PART IV.D.3.B.(3). THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS IF THEY ARE SECONDARY PERMITTEES PERFORMING ONLY SERVICE LINE INSTALLATIONS

INSPECT THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION. THE AREAS OF THEIR SITES THAT HAVE UNDERGONE FINAL STABILIZATION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR 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 ENDURE 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 OF RECEIVING WATER(S). THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS IF THEY ARE SECONDARY PERMITTEES

4 ES AND PC PLAN CHANGES BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE TERTIARY EROSION 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 THE INSPECTION REPORTS A REPORT SUMMARIZING THE SCOPE OF EACH INSPECTION AND THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND ACTIONS TAKEN IN ACCORDANCE WITH PART V.A.6.A.(4). 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 IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE ES AND PC PLAN AND THIS PERMIT. THIS REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G. OF THIS PERMIT. THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS IF THEY ARE SECONDARY PERMITTEES

PERFORMING ONLY SERVICE LINE INSTALLATIONS. A. SAMPLING METHODS:

- B. CLEAN GLASS CONTAINERS WITH LARGE OPENING SHALL BE USED TO GRAB SAMPLES. CONTAINERS SHALL BE CLEANED WITH CLEAN WATER AND THEN RINSED WITH DISTILLED WATER PRIOR TO USE, LABEI C. DO NOT DILUTE SAMPLE
- D TURBIDIMETER SHALL BE CALIBRATED E. SAMPLING METHOD SHALL BE "GRAB SAMPLES" IN ACCORDANCE WITH PROCEDURES ESTABLISHED BY 40 CFR PART 136; THE GUIDANCE DOCUMENT EPA 833-B-92-001 AND GUIDANCE DOCUMENTS THAT MAY BE
- PREPARED BY EPD. F. SAMPLES MUST BE ANALYZED NO LATER THAN 48 HOURS AFTER GRAB USING A DIRECT READ, PROPERLY CALIBRATED TURBIDIMETER
- G. USE SAFETY PRECAUTIONS DURING SAMPLING. H. COLLECT SAMPLES WHERE STREAM OR FLOW IS WELL MIXED. I. SAMPLE FROM HORIZONTAL AND VERTICAL CENTER OF FLOW
- J. DO NOT STIR SEDIMENT AT BOTTOM OF STREAM OR DISCHARGE CHANNEL. K. FACE SAMPLING CONTAINERS UPSTREAM
- L. KEEP SAMPLES FREE OF FLOATING DEBRIS M. DO NOT TOUCH INSIDE OF SAMPLING CONTAINERS
- N. RESULTS OF SAMPLES ANALYZED MUST BE REPORTED IN NTU'S (NEPHOLOMETRIC TURBIDITY UNITS) O. SAMPLES MUST BE TAKEN BY QUALIFIED PERSONNEL P. SAMPLES MUST BE TAKEN WITHIN 12 HOURS AFTER THE BEGINNING OF A STORM.
- Q.CHAIN OF CUSTODY SHALL BE MAINTAINED FOR SAMPLES TO BE ANALYZED BY A THIRD PARTY LABORATORY. THIRD PARTY LABORATORY SHALL BE APPROVED BY THE STATE TO PERFORM NECESSARY

NOTE: UPSTREAM SAMPLE MAY BE TAKEN AT ANY TIME DURING OR BEFORE CONSTRUCTION IT IS HIGHLY RECOMMENDED THAT A SAMPLE BE TAKEN UPSTREAM PRIOR TO CONSTRUCTION

- B. SAMPLING FREQUENCY:
 A. ONE SAMPLE AT EACH MONITORING LOCATION AFTER 0.5" OR GREATER RAINFALL EVENT AFTER ALL CLEARING AND GRUBBING ACTIVITIES HAVE BEEN COMPLETED. SAMPLING SHALL BE DONE DURING NORMAL BUSINESS HOURS (MONDAY THRU FRIDAY, 8:00 AM TO 5:00 PM AND SATURDAY 8:00 AM TO 5:00 PM WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY PRIMARY PERMITTEE) B.ONE SAMPLE AT EACH MONITORING LOCATION AFTER 0.5" OR GREATER RAINFALL EVENT THAT OCCURS EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED WITHIN THE DRAINAGE BASIN, WHICHEVER COMES FIRST C.ADDITIONAL SAMPLES WILL BE REQUIRED IF BMPS IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM ARE NOT PROPERLY DESIGNED, INSTALL AND MAINTAINED. CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITH 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 0.50 INCH DURING NORMAL BUSINESS HOURS UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE
- MONITORING RESULTS SHALL BE SUBMITTED TO EPD AT THE ADDRESS DESIGNATED FOR THE NOI SUBMITTAL OR THE LOCAL EPD OFFICE BY THE FIFTEENTH OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN. SAMPLING RESULTS SHALL BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OI
- B. COPIES OF ALL MONITORING RESULTS REPORTED SHALL BE MAINTAINED BY THE PERMITTEE C. MONITORING INFORMATION SHALL INCLUDE: DATE AND EXACT PLACE AND TIME OF SAMPLING
 - NAME OF INDIVIDUAL WHO PERFORMED THE SAMPLING. DATE ANALYSIS WERE PERFORMED.

PROPERLY DESIGNED. INSTALLED AND MAINTAINEI

- TIME ANALYSIS WERE INITIATED. THE NAME OF THE INDIVIDUAL WHO PERFORMED THE ANALYSES.
- REFER WRITTEN PROCEDURE WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USE THE RESULTS OF SUCH ANALYSES, INCLUDING SHEETS, INSTRUMENTS READOUTS, COMPUTER DISKS, ETC, USED TO DETERMINE THESE RESULTS. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDING 1000 NTU"
- D. RETENTION OF RECORDS A COPY OF ES AND PC PLAN SHALL BE RETAINED BY THE PRIMARY PERMITTEE ON SITE OR BE READILY

1 SLOPE

OW PEMEABLITY CLAY LINER.

COMPACT TO 95% STANDARD PROCTOR

AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL DATE OF FINAL STABILIZATION. B. A COPY OF APPLICABLE ES AND PC PLAN PORTIONS SHALL BE RETAINED BY THE SECONDARY PERMITTEE FOR THEIR ACTIVITIES AT THE CONSTRUCTION SITE OR HAVE THE PLAN READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL DATE OF FINAL STABILIZATION. COPIES OF NOIS, NOTS, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, RECORDING AND CALIBRATION RECORDS, ES AND PC PLANS TERTIARY ECP, DATE USED FOR NOI AND ALL OTHER RECORDS REQUIRED BY PERMIT NO. GAR 100003 SHALL BE RETAINED BY THE PRIMARY PERMITTEE FOR A PERIOD OF NO LESS THAN THREE YEARS FROM THE DATE THE SITE IS FINALLY STABILIZED

THESE RECORDS SHALL BE MAINTAINED AT THE PRIMARY PERMITTEE'S PLACE OF BUSINESS ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE

PETROLEUM MOBILE FUELING STATION

COMPACTED SUBGRADE

PETROLEUM SPILL NOTES:

. IN THE EVENT THAT A FUEL SPILL OCCURS APPROPRIATE ACTIONS MUST IMMEDIATELY BE TAKEN TO REDUCE THE POSSIBILITY OF LAND OR WATER CONTAMINATION.

. THE GEORGIA OIL AND HAZARDOUS MATERIAL SPIL OR RELEASES ACT (O.C.G.A. 12-14-1 et seq.) REQUIRES THAT ALL REPORTABLE SPILLS IN THE STATE OF EORGIA ARE IMMEDIATELY REPORTED TO THE STATE OPERATIONS CENTER AT (404) 656-4300 AND TO TH

EDERAL NATIONAL RESPONSE CENTER (NRC) A (a.) A SPILL IS CONSIDERED REPORTABLE IF IT IS: I. A SPILL OF A HAZARDOUS SUBSTANCE ABOVE THE REPORTABLE OUANTITY LISTED IN 40 CFR

II. A SPILL OF A PETROLEUM PRODUCT WHICH REACHES THE WATERS OF THE STATE (INCLUDING STREAMS, RIVERS, STORM SEWERS, AND DRAINAGE DITCHES) AND CAUSES A SHEEN. 3. APPROPRIATE SPILL RESPONSE EQUIPMENT MUST BE AVAILABLE ON-SITE AT ALL TIMES.

RESULTING FROM A SPILL IS THE RESPONSIBILITY OF TEH GENERATOR OF THE WASTE. 5. IN THE EVENT OF A SPILL, THE CONTAMINATED SOI SHOULD BE IMMEDIATELY EXCAVATED TO A DEPTH WHERE THE SOIL APPEARS VISUALLY CLEAN. CONTAMINATED SOIL SHOULD THEN BE PLACED INTO AN ADEOUATELY SEALED AND SECURED CONTAINER AND DISPOSED OF AT AN APPROVED FACILITY

4 CLEAN UP AND REMEDIATION OF ANY CONTAMINATION



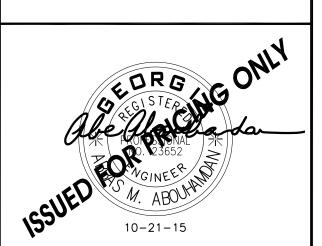
COMPREHENSIVE ENGINEERING SERVICES CIVIL ENGINEERING LAND SURVEYING LAND PLANNING **CONSTRUCTION STAKING** LANDSCAPE ARCHITECTURE **SOIL MAPPING & SEPTIC SYSTEMS** vetland & environmental monitoring

2410 HOG MOUNTAIN ROAD SUITE 103 WATKINSVILLE, GA 30677 706-613-8900 706-425-9631 (FAX) abe@ABEconsultinginc.com www.ABEconsultinginc.com

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OCONEE CONNECTOR TO PARKWAY BOULEVARD OCONEE COUNTY, ±8.38 ACRES IN ROW

ES&PC NOTES



REVISIONS	DATE
REVISED SH. 2 - QUANTITIES & NOTES	11-9-15
ADDENDUM #2: REVISED SH. 1,3,11,16 & 24	11-18-1
	·

DATE: 10-21-15 PROJECT #: 14-021-31

