# CITY OF LAFAYETTE SEWER SYSTEM IMPROVEMENTS SHATTUCK INDUSTRIAL BLVD FORCEMAIN REPLACEMENT

LAFAYETTE, GEORGIA

ANDY ARNOLD, MAYOR

BEACHER GARMANY, COUNCIL WARD 1
BEN BRADFORD, COUNCIL WARD 2
JUDY MEEKS, COUNCIL WARD 3
CHRIS DAVIS, COUNCIL WARD 4
WAYNE SWANSON, COUNCIL MEMBER AT LARGE

DAVID HAMILTON, City Manager
JIM SPEIR, Director of Utilities
WALLY MEEKS, Director of Water & Sewer



ENGINEER'S PROJECT NO.126-143
AUGUST 10, 2017



SWEITZER ENGINEERING, INC.

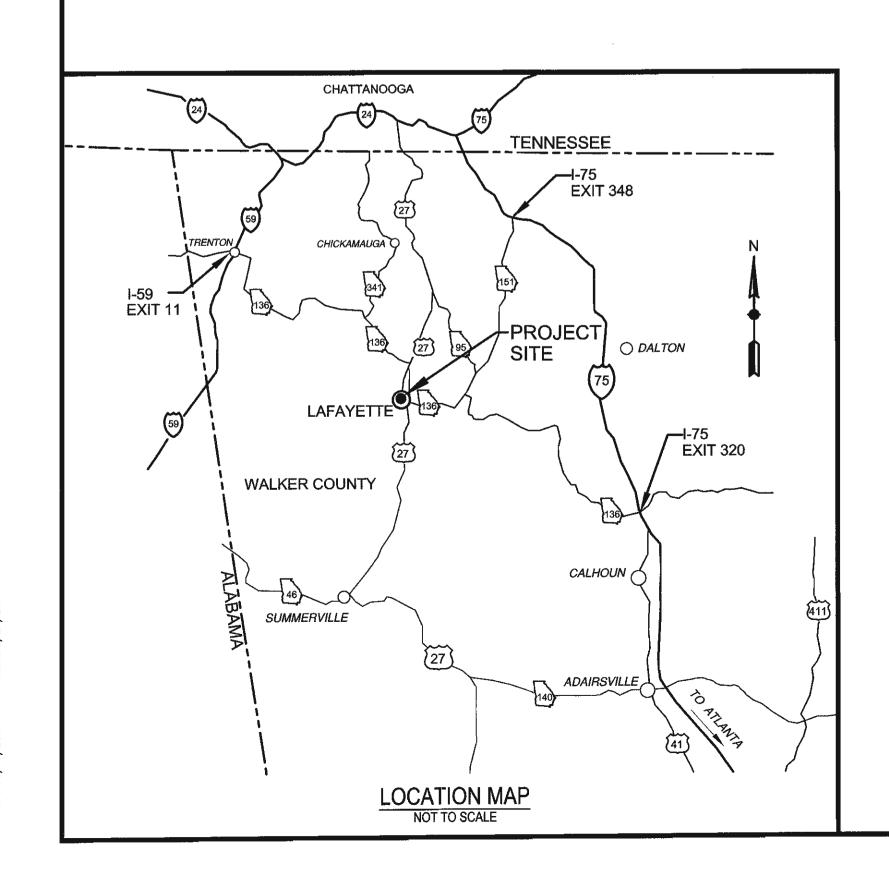
**CONSULTING ENGINEERS** 

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# EROSION CONTROL PLANS

# SHEET INDEX SHEET NO. SHEET TITLE **COVER SHEET & SHEET INDEX** 02 **GENERAL NOTES** PROJECT MAP **PLAN & PROFILE PLAN & PROFILE** PLAN & PROFILE PLAN & PROFILE **PLAN & PROFILE CROSSING DETAILS** <del>---10</del> **FORCEMAIN DETAILS EROSION & SEDIMENT CONTROL PLAN MAP** 11 12 EROSION & SEDIMENT CONTROL PLAN NOTES 13 **EROSION & SEDIMENT CONTROL PLAN DETAILS** EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN

SEQUENCE 1 OF 14
PROJECT NO. 126-143



MECHANICAL JOINT MONUMENT MON NORTH

NOW OR FORMERLY **NOT IN CONTRACT** NUMBER

NTS NOT TO SCALE O.C. ON CENTER O.D. **OUTSIDE DIMENSION** OHP OVERHEAD POWER LINE OHT OVERHEAD TELEPHONE LINE

PROPERTY LINE POWER POLE PRV PRESSURE REDUCING VALVE PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PVC POLYVINYL CHLORIDE (PLASTIC) RCP REINFORCED CONCRETE PIPE

REBAR REINFORCING STEEL BAR RED REDUCER REINF REINFORCING RESTRAINED JOINT RD ROAD REQ'D REQUIRED R/W **RIGHT-OF-WAY** RT RIGHT

SOUTH SCH SCHEDULE SD STORM DRAIN SHT SHEET **SPECIFICATION** SQUARE STATE ROUTE SANITARY SEWER STREET STA STATION STD **STANDARD** STAINLESS STEEL SIDEWALK

SY SQUARE YARD TBM TEMPORARY BENCHMARK TOP TOP OF PIPE TELEPHONE POLE TYP TYPICAL

UGT UNDERGROUND TELEPHONE LINE **UNLESS NOTED OTHERWISE** U.N.O VERT VERTICAL WATER LINE

> WITH W/O WITHOUT WM WATER METER WWF WELDED WIRE FABRIC

LG LONG LEFT

AFG

ARV

ASPH

ASSY

**AWWA** 

AVE

BFV

BM

BO

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EXP. JT.

FIN GR

CONC.

CU YD

C&G

CL OR Q

BLDG

**APPROX** 

ABOVE FINISH GRADE

AMERICAN WATER WORKS ASSOCIATION

AIR RELEASE VALVE

**APPROXIMATE** 

BACK OF CURB

**BUTTERFLY VALVE** 

ASPHALT

ASSEMBLY

**AVENUE** 

BUILDING

BLOWOFF

BOTTOM

**BENCHMARK** 

BALL VALVE

CATCH BASIN

CENTERLINE

CLEANOUT

CONCRETE

DIAMETER

**ECCENTRIC** 

**ELEVATION** 

**EACH WAY** 

EXISTING

FLANGED

FEET

FIBER OPTIC

GALVANIZED

NATURAL GAS

GATE VALVE

HORIZONTAL

HIGH PRESSURE

INSIDE DIMENSION

IRON PIN FOUND

LINEAR FEET

LINEAR, LINEAL

HIGHWAY

HIGH DENSITY POLYETHYLENE

**GUY POLE** 

GRAVEL

GRADE

HEIGHT

INVERT

JOINT

EAST

**EACH** 

EQUAL.

CUBIC YARD

DRAINAGE AREA

**DUCTILE IRON PIPE** 

EDGE OF PAVEMENT

EXPANSION JOIN

FIRE HYDRANT

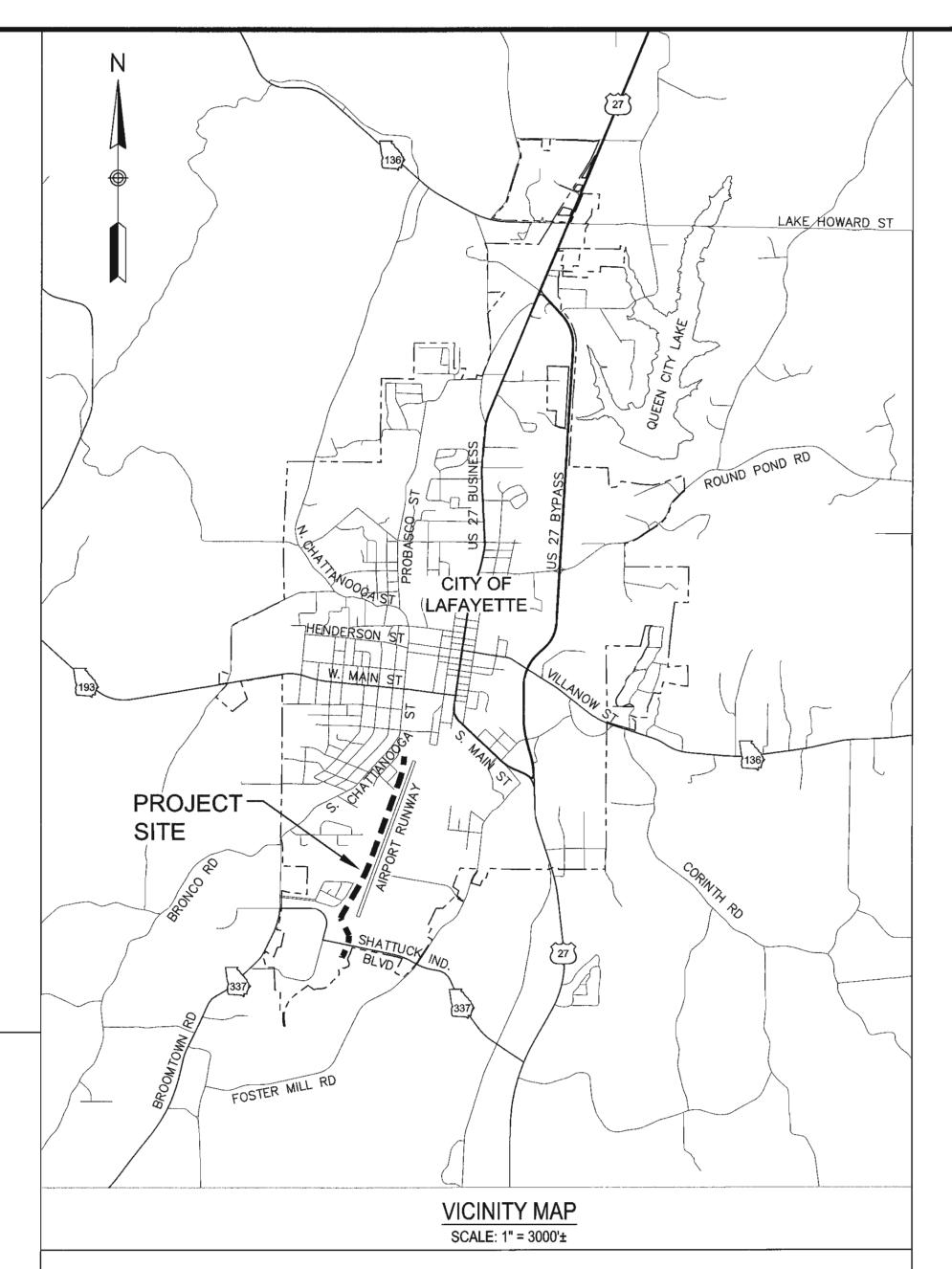
**FINISH GRADE** 

**CURB & GUTTER** 

CAST IRON PIPE

CORRUGATED METAL PIPE

DEPARTMENT OF TRANSPORTATION



# **UTILITY OWNER CONTACTS**

1. WATER & SEWER: CITY OF LAFAYETTE WATER AND SEWER DEPARTMENT CONTACT: JEFF HOWELL, DISTRIBUTION SYSTEM SUPERVISOR OFFICE: (706) 639-1563 MOBILE: (423) 443-9081

2. ELECTRICITY: CITY OF LAFAYETTE ELECTRIC DEPARTMENT CONTACT: MIKE STEWART OFFICE: 706-639-1510

3. TELEPHONE: BATTLEFIELD CABLE CONTACT: (706) 931-2212

4. GAS: CITY OF LAFAYETTE GAS DEPARTMENT CONTACT: CLIFFORD SYNDER OFFICE: (706) 639-1511

5. AIRPORT UTILITIES: BARWICK - LAFAYETTE AIRPORT (RUNWAY LIGHTS, NAVIGATION AIDS, ETC) CONTACT: TODD LANDRY (AIRPORT MANAGER) OFFICE: (706) 638-7071



Know what's below. **Call** before you dig.

# **GENERAL NOTES** (APPLICABLE TO ALL SHEETS)

- 1. THESE DRAWINGS, AS AN INSTRUMENT OF SERVICE, WERE PREPARED FOR THE EXCLUSIVE USE OF THE CLIENT NAMED HEREON. NO WARRANTY, EXPRESSED OR IMPLIED, IS INTENDED TO ANY UNNAMED THIRD PARTY. THE DRAWINGS AND ANY ANY COPIES THEREOF, REMAIN THE PROPERTY OF SWEITZER ENGINEERING, INC. THESE DRAWINGS ARE COPYRIGHTED AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF SWEITZER ENGINEERING
- PROPERTY AND RIGHT-OF-WAY INFORMATION SHOWN HEREON IS APPROXIMATE, INTENDED ONLY FOR GENERAL INFORMATION. DO NOT USE FOR RECORDING, CONVEYANCE, OR SALES.
- PERSONS USING THESE DRAWINGS SHALL MAKE THEIR OWN DETERMINATION OF THE LOCATION, DEPTH, AND DESCRIPTION OF UNDERGROUND AND OVERHEAD UTILITIES. THE UTILITY LOCATION INFORMATION SHOWN ON DRAWINGS WAS OBTAINED FROM READILY AVAILABLE SOURCES BELIEVED TO BE RELIABLE, BUT IT MAY NOT BE ACCURATE OR COMPLETE. EXCAVATION AND ELECTRONIC DETECTION METHODS WERE NOT USED TO VERIFY THE SUBSURFACE INFORMATION.
- 4. THERE MAY BE WATER, NATURAL GAS, POWER LINES AND OTHER UTILITIES AND SERVICE LATERALS THAT ARE NOT SHOWN ON THE DRAWINGS. CALL UTILITIES PROTECTION CENTER FOR UTILITY LOCATION BEFORE BEGINNING ANY EXCAVATION ACTIVITY AND COORDINATE WITH APPLICABLE UTILITY COMPANY FOR RELOCATIONS REPLACEMENTS, OR OTHER RESOLUTION OF CONFLICT WITH EXISTING UTILITIES.

# **CONSTRUCTION NOTES** (APPLICABLE TO ALL SHEETS)

- COMPLY WITH THE REQUIREMENTS OF APPLICABLE UTILITY ENCROACHMENT PERMITS WHEN WORKING ON RIGHT-OF-WAYS OF THE CITY OF LAFAYETTE ROAD DEPARTMENT OR GEORGIA DEPARTMENT OF TRANSPORTATION.
- 2. NOTIFY AIRPORT MANAGER 3 BUSINESS DAYS BEFORE WORKING ON AIRPORT PROPERTY.
- 3. INSTALL PIPES, VALVES, HYDRANTS AND AIR RELEASE VALVES AT LOCATIONS SHOWN OR AS DIRECTED BY OWNER'S REPRESENTATIVE.
- 4. IF NECESSARY, INCREASE OR DECREASE THE DEPTH OF WATER MAINS BY JOINT DEFLECTION. DO NOT EXCEED 85% OF MANUFACTURER'S RECOMMENDED DEFLECTION PER JOINT. DO NOT INSTALL BENDS UNLESS SHOWN ON DRAWINGS OR APPROVED BY ENGINEER.
- 5. INSTALL PIPE WITH A MINIMUM COVER OF 42 INCHES BELOW GRADE OR BELOW ROAD CENTERLINE UNLESS OTHERWISE NOTED ON PLANS OR SPECIFIED.

# **EROSION & SEDIMENT CONTROL NOTES** (APPLICABLE TO ALL SHEETS)

OWNER:

CITY OF LAFAYETTE 207 SOUTH DUKE STREET (PO BOX 89) LAFAYETTE, GEORGIA 30728

24 HOUR CONTACT: JEFF HOWELL, DISTRIBUTION SYSTEM SUPERVISOR

OFFICE: (706) 639-1563 MOBILE: (423) 443-9081

- COMPLY WITH EROSION AND SEDIMENT CONTROL PLAN AND NPDES GENERAL PERMIT FOR CONSTRUCTION ACTIVITY (NOI), IF APPLICABLE.
- 2. SEE SHEET 16 FOR EROSION AND SEDIMENT CONTROL DETAILS.
- 3. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING **ACTIVITIES.**
- 4. EROSION CONTROL MEASURES SHALL 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.
- 5. PROVIDE MULCH, TEMPORARY VEGETATION, OR PERMANENT VEGETATION ON ALL EXPOSED AREAS WITH SEVEN (7) DAYS AFTER DISTURBANCE.
- 6. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
- 7. THE CONTRACTOR MUST HAVE A LEVEL 1A CERTIFIED PERSON ON SITE AT **ALL TIMES DURING CONSTRUCTION.**

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ISSUED FOR DATE THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DESIGNED: JHS DRAWN: SHS CHECKED: JHS

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CONSULTING ENGINEERS

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CITY OF LAFAYETTE SEWER SYSTEM IMPROVEMENTS

SHATTUCK INDUSTRIAL BLVD FORCEMAIN REPLACEMENT



**GENERAL NOTES & VICINITY MAP** 

SHEET TITLE

DATE: AUGUST 10, 2017

SHEET

SEQUENCE 02 OF 14 PROJECT NO. 126-143



GRAPHIC SCALE 1 INCH = 300 FT.

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CITY OF LAFAYETTE, GEORGIA

SHATTUCK INDUSTRIAL BLVD FORCEMAIN REPLACEMENT

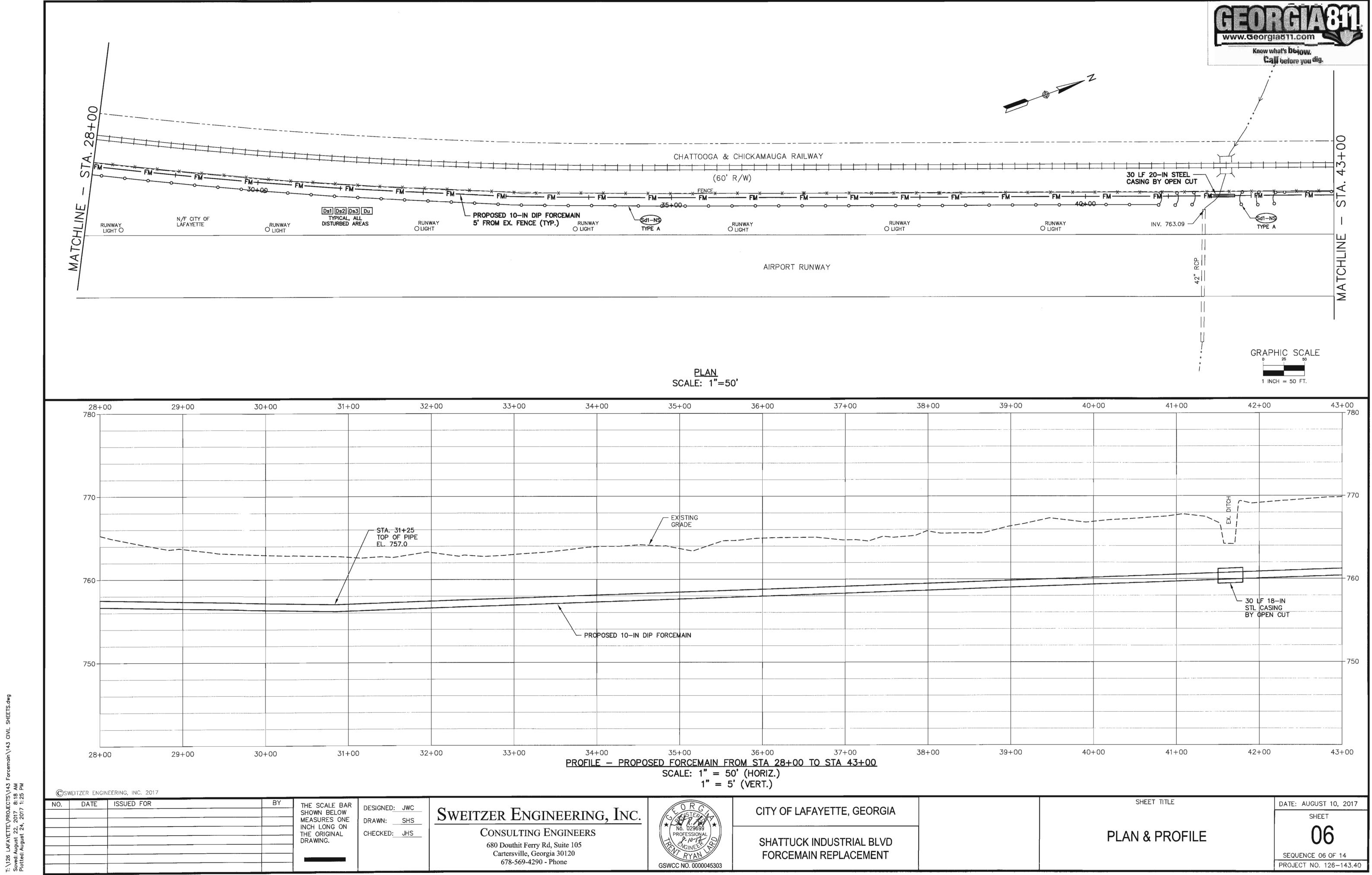
SHEET TITLE

PROJECT MAP

DATE: AUGUST 10, 2017 SHEET

SEQUENCE 3 OF 14
PROJECT NO. 126-143

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SHATTUCK INDUSTRIAL BLVD FORCEMAIN REPLACEMENT

CONTROL PLAN MAP

SEQUENCE 11 OF 14 PROJECT NO. 126-143 SAMPLING FREQUENCY

UNDER A OR B ABOVE

STORMWATER DISCHARGE

SAMPLE COLLECTION

WITHIN FORTTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.

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

SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;

EXCEEDS 0.5 INCH AND ALLOWS FOR SAMPLING AT ANY TIME OF THE DAY OR WEEK.

2. STORMWATER SAMPLES WILL BE COLLECTED AT THE LOCATION(S) INDICATED ON SHEET 11.

BE COLLECTED FROM ALTERNATE LOCATIONS AT THE SITE AT WHICH STORMWATER IS DISCHARGING.

A. SAMPLE CONTAINERS WILL BE LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS.

4. THE FOLLOWING STEPS MUST BE FOLLOWED TO MANUALLY COLLECT SAMPLES AND PRESENT THE SAMPLES FOR TESTING:

C. USE THE FOLLOWING PROCEDURE TO MANUALLY COLLECT STORMWATER SAMPLES FROM OUTFALLS OR STREAMS:

HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORMWATER OUTFALL POINT(S) (2). AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE STORMWATER OUTFALL POINT(S)

AND THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001."

WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY.

WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY.

PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.

(3). HOLD THE SAMPLING BOTTLE SO THAT THE OPENING FACES UPSTREAM.

(4). THE SAMPLES SHOULD BE KEPT FREE FROM FLOATING DEBRIS.

SPECIFIED IN THE GENERAL NPDES PERMIT NO. GAR 100002.

WATER(S) CLASSIFIED AS WARM WATER FISHERIES.

**EXCEPTIONS TO THIS PROTOCOL INCLUDE:** 

COLLECTOR, AND THE SAMPLING POINT LOCATION.

(5). FILL THE BOTTLE COMPLETELY TO THE TOP.

(6). PLACE THE LID TIGHTLY ON THE BOTTLE.

SAMPLES WERE COLLECTED.

REFERENCE.

DESIGNED: JWC

DRAWN: SHS

CHECKED: TRL

THE SCALE BAR

MEASURES ONE

INCH LONG ON

THE ORIGINAL

DRAWING.

SHOWN BELOW

# SOILS TYPE LEGEND

CaB—Capshaw silt loam, 1 to 6 percent slopes. CrC—Conasauga-Urban land complex, 2 to 10 percent slopes....... CuB—Cunningham silt loam, 2 to 6 percent slopes... CuD—Cunningham silt loam, 10 to 15 percent slopes... CwD2—Cunningham silty clay loam, 6 to 15 percent slopes, eroded. DeB—Dewey silt loam, 2 to 6 percent slopes... EtB—Etowah loam, 2 to 6 percent slopes... Pe—Pettyjon silt loam, 0 to 2 percent slopes, frequently flooded...... Sd—Shady loam, 0 to 2 percent slopes... Se—Steadman silt loam, frequently flooded... TnC—Townley-Montevallo complex, 2 to 10 percent slopes... TnD—Townley-Montevallo complex, 10 to 15 percent slopes..... TnF—Townley-Montevallo complex, 15 to 45 percent slopes... UdC—Udorthents, 0 to 12 percent slopes...... WaB—Wax loam, 2 to 6 percent slopes, rarely flooded...

CITY OF LAFAYETTE SEWER SYSTEM IMPROVEMENTS

OWNER/PERMITTEE: CITY OF LAFAYETTE, GEORGIA WALLY MEEKS (770-639-1556)

ENGINEER:

SWEITZER ENGINEERING, INC. CARTERSVILLE, GEORGIA

# **CHECKLIST - APPENDIX 1 REQUIREMENTS**

- 1. CERTIFIED PERSONNEL FOR PRIMARY PERMITTEES SHALL CONDUCT INSPECTIONS AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF THE STORM THAT IS 0.5 INCHES RAINFALL ORGREATER IN ACCORDANCE WITH PART IV.D.4.A.(3).(A) - (C) OF THIS PERMIT
- A LARGE SIGN (MIN 4 FT X 8 FT) SHALL BE ON THE SITE ON THE START DATE OF CONSTRUCTION VISIBLE FROM THE STREETS IDENTIFYING THE CONSTRUCTION SITE, PERMITTEES AND CONTACT PERSON AND TELEPHONE NUMBER. THE SIGN IS SHOWN ABOVE.
- 3. CONDUCT TURBIDITY SAMPLING AFTER EVERY RAIN EVENT OF 0.5 INCH OR GREATER WITHIN ANY 24 HOUR PERIOD, RECOGNIZING THE EXCEPTIONS SPECIFIED IN PART IV.D.6.d OF THE NPDES PERMIT.
- LIMIT THE AMOUNT OF DISTURBED AREA AT ANY ONE TIME TO NO GREATER THAN 50% OF THE TOTAL PLANNED DISTURBED AREA. THE PROJECT IS LINEAR AND NO MORE THAN 100 FT WILL BE DISTURBED AT ONE TIME.

# SEDIMENT STORAGE

SEDIMENT STORAGE FOR 67 CUBIC YARDS FOR EACH ACRE DRAINED IS NOT ATTAINABLE FOR THIS PROJECT. THIS IS BECAUSE THE PROJECT IS A LINEAR PROJECT THAT COVERS FIVE DRAINAGE BASINS AND RUNS A LENGTH OF 13,100 LINEAR FEET, THERE IS NO CENTRALIZED LOCATION WHERE THE SEDIMENT WILL COLLECT THAT A SEDIMENT STORAGE BASIN CAN BE USED. SILT FENCING WILL BE USED THROUGHOUT THE PROJECT TO PREVENT SEDIMENT FROM LEAVING THE SITE.

Page 34 of 34

Permit No. GAR100002

State of Georgia Department of Natural Resources Environmental Protection Division

APPENDIX B

# Nephelometric Turbidity Unit (NTU) TABLES

Warm Water (Supporting Warm Water Fisheries) 0-4.99 5-9.99 10-24.99 25-49.99 50-99.99 100-249.99 250-499.99 5004 10.01-25 100 100.01÷ 50 50 50 50 50

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10/1/2018 EROSION CONTROL NOTES

DATE

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STORMWATER SAMPLING REQUIREMENTS

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

2. HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THIS PERMIT), OR AREA BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE

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;

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

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

C. WHERE SAMPLING PURSUAN TO A OR B ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.a(6), MUST INCLUDE A WRITTEN JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS

NOTE THAT THE PERMITTEE MAY CHOSE TO MEET THE REQUIREMENTS OF A AND B ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR

1. FOR THE RAIN EVENTS SPECIFIED ABOVE, SAMPLES MUST BE COLLECTED WITHIN 45 MINUTES OF THE ACCUMULATION OF THE MINIMUM AMOUNT OF RAINFALL (0.5 INCH).

A. IF DISCHARGE HAS NOT OCCURRED WITHIN 45 MINUTES OF THE MINIMUM ACCUMULATION, SAMPLES MAY BE COLLECTED AS SOON AS DISCHARGE DOES OCCUR B. IF COLLECTION OF THE SAMPLES DURING THE FIRST 45 MINUTES IS IMPRACTICABLE (E.G. ADVERSE CLIMATIC CONDITIONS SUCH AS LIGHTNING OR FLOODING POSE A

C. IF THE MINIMUM ACCUMULATION OF RAINFALL DOES NOT OCCUR DURING NORMAL BUSINESS HOURS, STORMWATER SAMPLING IS NOT REQUIRED.

THREAT TO THE HEALTH OF THE SAMPLER), SAMPLES MAY BE COLLECTED AS SOON AS PRACTICABLE THEREAFTER WITHIN 12 HOURS OF THE BEGINNING OF THE

A. WHEN INDICATED ON THE DRAWINGS, THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE

B. WHEN INDICATED ON THE DRAWINGS, 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

C. IF DESIGNATED SAMPLING LOCATIONS ARE NOT AVAILABLE OR ACCESSIBLE FOR ANY REASON DURING A SAMPLING EVENT, THEN THE STORMWATER SAMPLE(S) MUST

MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY. BUT IN NO CASE LATER

B. SAMPLE CONTAINERS WILL BE LABELED WITH THE FOLLOWING INFORMATION: THE NAME OF THE PROJECT, SAMPLE COLLECTION DATE, NAME OF THE SAMPLE

THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR

ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A

(1). SUBMERGE THE SAMPLE BOTTLE IN THE FLOWING STORMWATER AT THE DESIGNATED SAMPLE POINT. IDEALLY, THE SAMPLES SHOULD BE TAKEN FROM THE

5. SAMPLE ANALYSIS AND REPORTING SAMPLES ARE TO BE ANALYZED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136

6. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALLS BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD AS

7. A SUMMARY OF THE MONITORING RESULTS SHALL BE SUBMITTED TO THE EPD BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE MONTH THAT STORMWATER

8. SAMPLING AND ANALYSIS OF THE RECEIVING WATER(S) OR OUTFALL(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED TO EPD.

9. DISCHARGE OF STORMWATER FROM AREAS DISTURBED BY THIS PROJECT TO RECEIVING WATER(S) WILL NOT CAUSE THE TURBIDITY OF THE RECEIVING WATER(S) TO

INCREASE BY MORE THAN TEN (10) NTUS FOR RECEIVING WATER(S) CLASSIFIED AS TROUT STREAMS OR MORE THAN TWENTY-FIVE (25) NTUS FOR RECEIVING

10. BASED UPON THE CONSTRUCTION SITE OF 2.4 ACRES, THE SURFACE WATER DRAINAGE AREA OF 0.24 SQUARE MILES, AND RECEIVING WATER(S) WHICH SUPPORT(S) WARM WATER FISHERIES, THE TURBIDITY LIMIT FOR OUTFALLS MONITORED ON THIS PROJECT IS 75 NTUS. THE APPENDIX B TABLE IS INCLUDED ON THIS SHEET FOR

FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM

SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.

PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION

CITY OF LAFAYETTE, GEORGIA

SHATTUCK INDUSTRIAL FORCEMAIN REPLACEMENT

SHEET

Know what's below.

**GENERAL NOTES** 

SEE SHEET 13 FOR EROSION CONTROL DETAILS.

ADDITIONAL DETAILS.

1. SEE SHEET 11 FOR TOPOGRAPHIC INFORMATION AND DRAINAGE BASIN

4. SEE SHEET 14 FOR EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN

5. PERSONS USING THIS DRAWING SHALL MAKE THEIR OWN DETERMINATION OF THE LOCATION, DEPTH, AND DESCRIPTION OF UNDERGROUND AND

OVERHEAD UTILITIES. THE UTILITY INFORMATION SHOWN HEREON WAS OBTAINED FROM READILY AVAILABLE SOURCES, BUT IT MAY NOT BE

CALL UTILITIES BEFORE BEGINNING ANY CONSTRUCTION OR EXCAVATIONS

09/01/2018

Level II Certified Design Professions

ACCURATE OR COMPLETE. EXCAVATION OR ELECTRONIC DETECTION

METHODS WERE NOT USED TO VERIFY THE INFORMATION,

TO HAVE UNDERGROUND UTILITIES FIELD STAKED.

2. SEE INDIVIDUAL CONSTRUCTION DRAWINGS (SHEETS 04 TO 08) FOR

**Call** before you dig.

SEQUENCE 12 OF 14 PROJECT NO. 126-143B

# LAND DISTURBANCE ACTIVITY PLAN

DESCRIPTION: PROJECT IS LOCATED IN THE LAND LOT 116 IN WALKER COUNTY, GEORGIA. APPROXIMATELY 2.4 ACRES WILL BE DISTURBED BY CONSTRUCTION ACTIVITIES. THE PROJECT IS LOCATED ON THE PUBLIC RIGHT-OF-WAY AND CITY PROPERTY. THE PROJECT AREA IS 2.4 ACRES WHICH IS REPRESENTATIVE OF THE TOTAL DISTURBED AREA. THIS PROJECT WILL INCLUDE APPROXIMATELY 7,100 LF OF 10" DIP SANITARY SEWER FORCEMAIN AND ALL RELATED ACCESSORIES.

ZONING: THE CONSTRUCTION SITE IS IN AND SURROUNDED BY AGRICULTURAL, COMMERCIAL, AND RESIDENTIAL ZONES.

ATES OF CONSTRUCTION: INITIAL CONSTRUCTION IS SCHEDULED TO BEGIN IN DECEMBER 2017 WITH FINAL GRASSING BEING COMPLETE BY END OF AUGUST 2018. EROSION CONTROL MEASURES AND PRACTICES ARE TO BE INSTALLED PRIOR TO LAND-DISTURBING ACTIVITIES.

S, TOPOGRAPHIC AND DRAINAGE INFORMATION: TOPOGRAPHIC AND DRAINAGE, SOILS MAPPING INFORMATION IS SHOWN ELSEWHERE ON

GETATION: CLEARING FOR WATER MAIN IS LIMITED TO SMALL TREES AND LIGHT BRUSH WITHIN AND ALONG ROAD RIGHT-OF-WAY AND EASEMENTS. TREES OUTSIDE OF THE CLEARING LINES ARE TO BE PROJECTED AND PRESERVED. ALL DISTURBED AREAS TO RECEIVE PERMANENT

OSION CONTROL PROGRAM: CLEARING WILL BE KEPT TO AN ABSOLUTE MINIMUM. VEGETATION AND MULCH IS TO BE APPLIED TO APPLICABLE AREAS WITHIN 7 DAYS AFTER WATER MAIN INSTALLATION IS COMPLETED. LAND DISTURBANCE IS TO BE SCHEDULED TO LIMIT EXPOSURE OF BARE SOILS TO EROSIVE ELEMENTS. STORM WATER MANAGEMENT STRUCTURES ARE TO BE EMPLOYED TO PREVENT EROSION IN AREAS OF CONCENTRATED WATER FLOWS. EROSION AT THE EXITS OF ALL STORM WATER STRUCTURES ARE TO BE PREVENTED BY THE INSTALLATION OF STORM DRAIN OUTLET PROTECTION DEVICES.

SEDIMENT CONTROL PROGRAM: SEDIMENT CONTROL IS TO BE ACCOMPLISHED BY THE INSTALLATION OF CHECKDAMS, RIP-RAP, AND SILT FENCES.

STANDARD AND SPECIFICATIONS: ALL DESIGNS AND ALL WORK ARE TO BE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE PUBLICATION ENTITLED "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, SIXTH EDITION."

SAFETY PROTECTION: CONSTRUCTION ACTIVITIES ARE TO BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE LAWS, RULES, AND REGULATIONS.

MAINTENANCE PROGRAM: EROSION CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ONSITE INSPECTION. SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE INSPECTED DAILY. ANY DAMAGES OBSERVED ARE TO BE REPAIRED BY THE END OF THAT DAY. CLEAN OUT OF SEDIMENT CONTROL STRUCTURES ARE TO BE ACCOMPLISHED IN ACCORDANCE WITH THE SPECIFICATIONS AND SEDIMENT DISPOSAL ACCOMPLISHED BY SPREADING ON THE SITE. SEDIMENT BARRIERS ARE TO REMAIN IN PLACE UNTIL SEDIMENT CONTRIBUTING AREAS ARE STABILIZED.

# EROSION AND SEDIMENT CONTROL NOTES

1. OWNER (PRIMARY PERMITTEE): CITY OF LAFAYETTE, GEORGIA 2776 SOUTH HWY 27 BYPASS LAFAYETTE, GEORGIA 30728 24-Hour Contact:

**OUTSIDE DESIGNATED CLEARING LIMITS.** 

WALLY MEEKS MOBILE: 423-595-0855 THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR

- 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. 4. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS, PERIMETER
- CONTROL BMPS, AND SEDIMENT BASINS IN ACCORDANCE WITH PART IV.A.5 WITHIN 7 DAYS AFTER INSTALLATION. MINIMIZE CLEARING TO THAT AMOUNT OF LAND MINIMALLY NECESSARY FOR COMPLETING THE WORK. CONSERVE AND PROTECT NATURAL VEGETATION LOCATED
- 6. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN SEVEN (7) DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING
- EROSION CONTROL MEASURES SHALL BE INSPECTED AT LEAST WEEKLY, AND AFTER EACH RAIN, AND REPAIRED BY THE GENERAL CONTRACTOR.
- 8. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DEEMED NECESSARY BY ON-SITE INSPECTION.
- AFTER COMPLETION OF LAND DISTURBING ACTIVITIES, AND AFTER VEGETATIVE COVER HAS BEEN ESTABLISHED, REMOVE AND DISPOSE OF SILT FENCE AND OTHER TEMPORARY EROSION CONTROL MEASURES.
- 10. SEE SHEET 13 FOR EROSION CONTROL CODING, EROSION & SEDIMENT CONTROL DETAILS, AND VEGETATIVE PLAN.
- 11. THE CURRENT LAND USE OF ALL LAND TO BE DISTURBED BY THE PROJECT IS OWNED BY CITY OF LAFAYETTE AND RIGHT OF WAY FOR GDOT ROADS.
- 12. STORM WATER RUNOFF FROM THE PROJECT WILL EXIT VIA CHATOOGA CREEK, AND DITCHES AND UNNAMED STREAMS
- 13. A STABILIZED CONSTRUCTION EXIT HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENT. SEE SHEET 11 FOR CONSTRUCTION EXIT LOCATIONS. SEE SHEET 13 FOR DETAIL. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARPAULIN.
- 14. NON-EXEMPT ACTIVITIES SHALL NOT BE CONDUCTED WITHIN THE 25 FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES AND PERMITS.
- 15. ALL AMENDMENTS AND/OR REVISIONS TO THE ES&PC PLAN HAVING A SIGNIFICANT EFFECT ON THE BMPS WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
- 16. THE RUNOFF COEFFICIENT BEFORE CONSTRUCTION IS APPROXIMATELY 0.45. THE RUNOFF COEFFICIENT WILL NOT CHANGE AS A RESULT OF CONSTRUCTION AND
- 17. CONTROL OF POLLUTANTS IN STORMWATER AFTER CONSTRUCTION: EXISTING VEGETATIVE SWALES AND NATURAL DEPRESSIONS WILL BE RETAINED FOR FLOW ATTENTUTION.
- 18. DISCHARGE OF STORM WATER RUNOFF FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED. INSTALLED. AND MAINTAINED SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY EXCEEDING THE LIMIT(S) SPECIFIED IN THE SAMPLING REQUIREMENTS SECTION OF THIS PLAN.
- 19. PROPERLY DESIGNED, INSTALLED, AND MAINTAINED BMPS SHALL BE A COMPLETE DEFENSE AGAINST NON-COMPLIANCE WITH NTU LIMITS.
- 20. WASTE MATERIALS SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT
- 21. ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER MUST BE EMPTIED A MINIMUM OF ONCE PER WEEK OR OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED
- 22. THERE IS TO BE NO WASH DOWN OF CONCRETE TOOLS, MIXER CHUTES, HOPPERS OR EQUIPMENT ON SITE. THERE SHALL BE NO WASHOUT OF THE DRUM ON SITE.
- 23. TEMPORARY SEDIMENT BASINS ARE NOT PRACTICAL FOR THIS PROJECT BECAUSE OF THE FOLLOWING REASONS: A. THE RUNOFF DOES NOT CONCENTRATE IN A SINGLE LOCATION BEFORE LEAVING THE DISTURBED AREA. B. THE EXTENSIVE EROSION CONTROL MEASURES ON THIS PLAN PROVIDE ADEQUATE PROTECTION.
- 24. 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.
- 25. ALL STATE WATERS AND WETLANDS WITHIN 200 FEET OF THE PROJECT SITE HAVE BEEN DELINEATED ON THESE SHEETS.
- 26. THE PROJECT WILL BEGIN AT 34.677°N 85.294°W AND END AT 34.696°N 85.288°W.
- 27. ANY STREAM BUFFERS THAT WILL BE CROSSED WILL NOT REQUIRE A BUFFER VARIANCE AS THIS IS A LINEAR WATER LINE PROJECT.
- 27. THE PROJECT WILL BE CONDUCTED AS ONE PHASE DUE TO ITS LINEAR NATURE. THE DISTURBED AREA WILL ONLY BE DISTURBED FOR SHORT PERIODS OF TIME BEFORE FINAL BMPS WILL BE PUT IN PLACE.
- 28. SEDIMENT BASINS ARE NOT ATTAINABLE FOR THIS PROJECT DUE TO ITS LINEAR NATURE. THE DISTURBED AREA IN ONLY 15 FEET WIDE AND USE OF A SEDIMENT STORAGE BASIN WOULD CAUSE THE PROJECT TO DISTURB MUCH MORE AREA THAN IS REQUIRED FOR CONSTRUCTION. TO MINIMIZE THE DISTURBED AREA OF THE PROJECT SEDIMENT BASINS ARE NOT USED.

CONSULTING ENGINEERS

G\$WCC NO. 0000045303

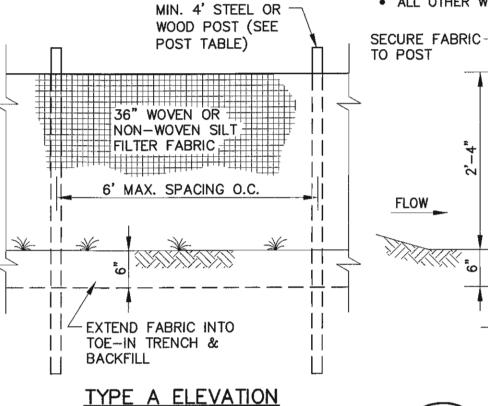
**EROSION & SEDIMENT CONTROL PLAN NOTES** 

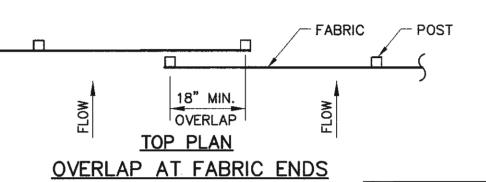
SHEET TITLE

DATE: OCTOBER 27, 2017

FASTENER FOR WOOD POSTS SIZE GAUGE 17 GA. 5 MIN. STAPLES MIN.

BUTTON 14 GA. 34" Ø HEAD HEAD MIN. × 1"L NAILS



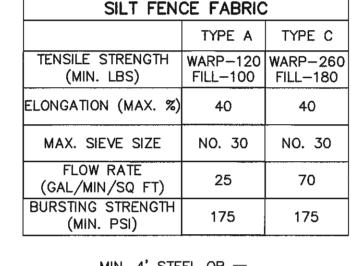


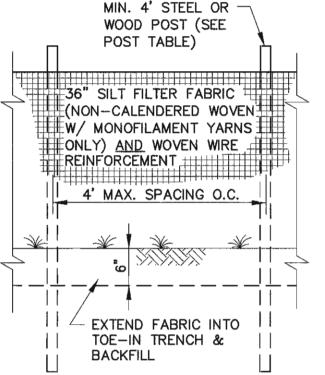
1. SECURE FILTER FABRIC AND WIRE BACKING TO POSTS WITH WIRE STAPLES OR NAILS, SEE FASTENERS TABLE. ALTERNATIVELY, FABRIC MAY

BE ATTACHED BY WIRES, CORDS AND POCKETS. 2. FABRIC ENDS MUST BE OVERLAPPED A MINIMUM OF 18" OR WRAPPED TOGETHER AROUND A POST TO PROVIDE A CONTINUOUS FABRIC BARRIER AROUND THE INLET. SEE OVERLAP DETAIL.

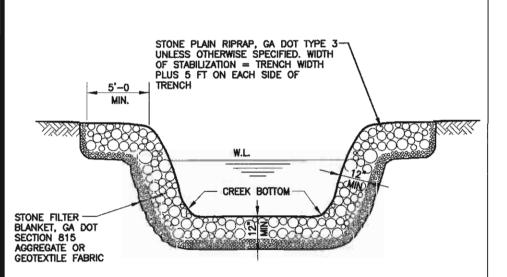
WOVEN WIRE SUPPORT FOR TYPE C FENCE: 26" MINIMUM HEIGHT AT LEAST 6 HORIZONTAL WIRES

 VERTICAL WIRES MAX. SPACING OF 12" TOP & BOTTOM WIRES AT LEAST 10 GA. • ALL OTHER WIRES AT LEAST 12½ GA.

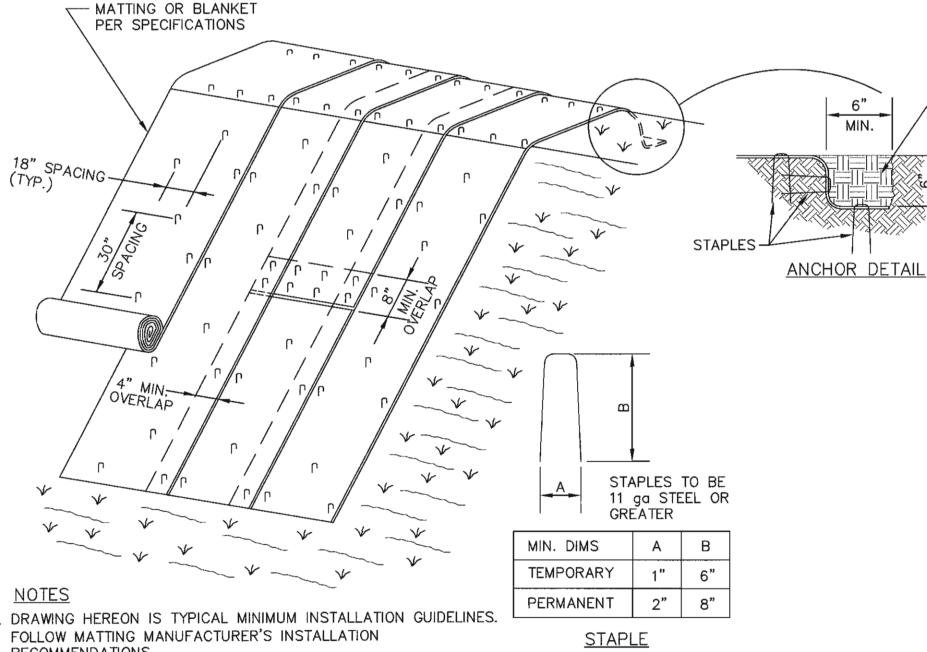




TYPE C ELEVATION



CHANNEL STABILIZATION



SILT FENCE

RECOMMENDATIONS. 2. FOR TEMPORARY SLOPE BLANKET: APPLY LIME, FERTILIZER &

SEED AFTER FINAL GRADING AND PRIOR TO BLANKET

INSTALLATION.

THE ORIGINAL

DRAWING.

3. FOR PERMANENT SLOPE MATTING: APPLY LIME & FERTILIZER AFTER FINAL GRADING AND PRIOR TO MATTING INSTALLATION. AFTER INSTALLATION AND SOIL FILLING IN MATS, GRASS ENTIRE MATTING AREA.

EROSION CONTROL SLOPE STABLIZATION

© SWEITZER ENGINEERING, INC. 2017

DATE ISSUED FOR THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON

DESIGNED: JHS DRAWN: SHS CHECKED: JHS SWEITZER ENGINEERING, INC.

CONSULTING ENGINEERS

680 Douthit Ferry Rd, Suite 105 Cartersville, Georgia 30120 678-569-4290 - Phone



COMPACTED

CULVERT

NOTES:

THAN 20'.

(SEE NOTE 6)

DIVERSION RIDGE

CRUSHED STONE ———

GEOTEXTILE UNDERLINER -

TIRE RACK AREA/

LOCATE STONE STABILIZED PAD AT ANY POINT WHERE VEHICULAR TRAFFIC WILL BE LEAVING THE CONSTRUCTION SITE ONTO A PUBLIC PAVED STREET, ROADWAY, OR PARKING AREA. AVOID

2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE,

3. COARSE AGGREGATE SHALL BE NATIONAL STONE ASSOC. R-2 (1.5"-3.5" CRUSHED STONE).

4. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS

5. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER

7. WASH TIRES TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC ROADS. WHEN WASHING IS

REQUIRED, DO SO ON AREAS STABILIZED WITH CRUSHED STONE DRAINING INTO AN APPROVED

. MAINTAIN THE EXIT TO PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC ROADS. PROVIDE

8. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE.

PERIODIC TOP DRESSING WITH 1.5 - 3.5" STONE, AS CONDITIONS DEMAND. IMMEDIATELY REMOVE

ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE OR SITE ONTO ROADWAY

TEMPORARY CONSTRUCTION EXIT

IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC

6. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.

TIRE WASHERS

LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.

CRUSHED STONE PAD SHALL HAVE A MINIMUM THICKNESS OF 6"

(SEE NOTE 5)

(SEE NOTE 3)

AASHTO M288

AND CROWN FOR POSITIVE DRAINAGE.

SEDIMENT TRAP OR SEDIMENT BASIN.

THAT REMOVES MUD AND DIRT.

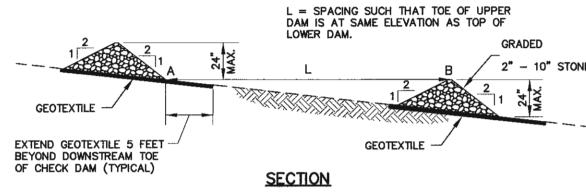
OR INTO STORM DRAINS.

BACKFILL



SHATTUCK INDUSTRIAL BLVD FORCEMAIN REPLACEMENT

NOT EXCEED HEIGHT, CENTER OF CHECK DAM MUST BE 9 INCHES BELOW BOTH SIDES. GEOTEXTILE



1. A AND B ARE OF EQUAL ELEVATION.

2. LOCATE ADJACENT CHECK DAMS PER THE SPACING REQUIREMENTS OF THIS DETAIL.

3. CLEAN TRAP OUT WHEN SEDIMENT REACHES

ONE-HALF OF THE ORIGINAL CHECK DAM HEIGHT. 4. AFTER CHECK DAM REMOVAL, RESEED AND MULCH THE DISTURBED AREA.

APPROVED SEDIMENT

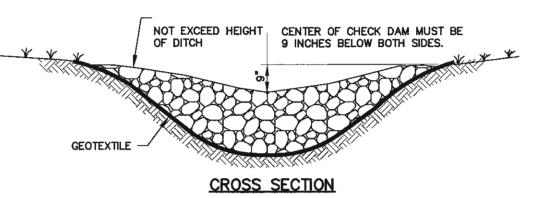
TRAP DEVICE (SEE NOTE 7)

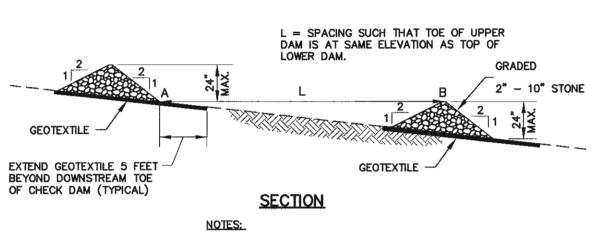
- IF NECESSARY, PROVIDE WATER

SUPPLY TO WASH TIRES

<u>STONE CHECKDAM</u>

(FOR 2 ACRE OR SMALLER DRAINAGE AREA)





# Ds3 VEGETATIVE STABILIZATION

CERTIFICATION NUMBER -ISSUED: 09/01/2015

vww.Georgia811.con

GENERAL NOTES

DETERMINATION OF THE LOCATION, DEPTH, AND DESCRIPTION

INFORMATION SHOWN HEREON WAS OBTAINED FROM READILY AVAILABLE SOURCES, BUT IT MAY NOT BE ACCURATE OR

COMPLETE. EXCAVATION OR ELECTRONIC DETECTION METHODS

EXCAVATIONS TO HAVE UNDERGROUND UTILITIES FIELD STAKED.

Trent R Lard

Level II Certified Design Professional

OF UNDERGROUND AND OVERHEAD UTILITIES. THE UTILITY

2. CALL UTILITIES BEFORE BEGINNING ANY CONSTRUCTION OR

1. PERSONS USING THIS DRAWING SHALL MAKE THEIR OWN

WERE NOT USED TO VERIFY THE INFORMATION,

Know what's Below.

GEORGIA SOIL AND WATER

EXPIRES: 09/01/2018

Call before you dig.

APPLY MULCH OR TEMPORARY GRASSING TO ALL EXPOSED AREAS WITHIN 7 DAYS OF DISTURBANCE.

WITHIN 7 DAYS, APPLY TEMPORARY GRASSING TO ALL EXPOSED AREAS EXPECTED TO BE UNFINISHED FOR LESS THAN 6 MONTHS.

APPLY PERMANENT GRASSING TO ALL DISTURBED AREAS EXPECTED TO BE UNFINISHED FOR MORE THAN 6 MONTHS.

# TEMPORARY GRASSING

LIME: APPLY AGRICULTURAL LIME AT RATE OF ONE TON PER ACRE. FERTILIZER: APPLY 6:12:12 (OR EQUIVALENT) AT RATE OF 1500 POUNDS PER ACRE. SEEDING: SELECT GRASS SEED OR GRASS/LEGUME MIXTURE, SUITABLE TO THE SEASON, FROM THE CHART BELOW.

# PERMANENT GRASSING

LIME AND FERTILIZER APPLICATION: PER SPECIFICATIONS IN THE MANUAL FOR Ds3 MULCH: DRY STRAW OR HAY AT 2 TONS PER ACRE. SEEDING: SELECT GRASS SEED OR GRASS/LEGUME MIXTURE SUITABLE TO THE SEASON FROM THE CHART BELOW.

# C: <u>MAINTENANCE</u>

PREPARATION, IRRIGATION, TOPDRESSING, FUTURE FERTILIZER/LIME, APPLICATION, AND MOWING PER SPECIFICATIONS IN THE MANUAL FOR Ds2 AND Ds3

		SEEDING C	HART	
MONTH	TEMPORARY SEED	RATE (PER ACRE)	PERMANENT SEED	RATE (PER ACRE)
JANUARY	ANNUAL RYEGRASS	40 lbs.	WILMINGTON BAHIA SERICEA LESPEDEZA (UNSCARIFIED)	30 lbs. 75 lbs.
FEBRUARY	ANNUAL RYEGRASS	40 lbs.	SERICEA LESPEDEZA (UNSCARIFIED) WILMINGTON BAHIA	75 lbs. 30 lbs.
MARCH	ANNUAL RYEGRASS	40 lbs.	SERICEA LESPEDEZA (UNSCARIFIED) TALL FESCUE	75 lbs. 30 lbs.
APRIL	ANNUAL RYEGRASS	40 lbs.	SERICEA LESPEDEZA WILMINGTON BAHIA (SCARIFIED)	75 lbs. 30 lbs.
MAY	BROWN TOP MILLET	10 lbs.	SERICEA LESPEDEZA WILMINGTON BAHIA (SCARIFIED)	75 lbs. 30 lbs.
JUNE	BROWN TOP MILLET	10 lbs.	SERICEA LESPEDEZA WILMINGTON BAHIA (SCARIFIED)	75 lbs. 30 lbs.
JULY	SUDANGRASS	10 lbs.	SERICEA LESPEDEZA WILMINGTON BAHIA (SCARIFIED)	75 lbs. 30 lbs.
AUGUST	RYE	3 BU. (168 lbs.)	SERICEA LESPEDEZA WILMINGTON BAHIA (SCARIFIED)	75 lbs. 30 lbs.
SEPTEMBER	RYE	3 BU. (168 lbs.)	SERICEA LESPEDEZA WILMINGTON BAHIA (SCARIFIED)	75 lbs. 30 lbs.
OCTOBER	RYE	1/2 BU. (28 lbs.)	SERICEA LESPEDEZA WILMINGTON BAHIA (SCARIFIED)	75 lbs. 30 lbs.
NOVEMBER	WHEAT	1/2 BU. (30 lbs.)	SERICEA LESPEDEZA WILMINGTON BAHIA (SCARIFIED)	75 lbs. 30 lbs.

SHEET TITLE

ANNUAL RYE GRASS

DECEMBER

**EROSION & SEDIMENT** CONTROL PLAN DETAILS DATE: AUGUST 10, 2017 SHEET

PROJECT NO. 126-143

PROJE 2017 2017

SERICEA LESPEDEZA

WILMINGTON BAHIA (SCARIFIED)

SEQUENCE 13 OF 14

- 1. STRIPPING OF VEGETATION, REGRADING, AND OTHER DEVELOPMENT ACTIVITIES SHALL BE CONDUCTED IN SUCH A MANNER SO AS TO
- 2. CUT AND FILL OPERATIONS MUST BE KEPT TO A MINIMUM;
- 3. DEVELOPMENT PLANS MUST CONFORM TO TOPOGRAPHY AND SOIL TYPE, SO AS TO CREATE THE LOWEST PRACTICABLE EROSION
- 4. WHENEVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED, PROTECTED, AND SUPPLEMENTED;
- 5. THE DISTURBED AREA AND THE DURATION OF EXPOSURE TO EROSIVE ELEMENTS SHALL BE KEPT TO A PRACTICABLE MINIMUM;
- 6. DISTURBED SOIL SHALL BE STABILIZED AS QUICKLY AS PRACTICABLE;
- 7. TEMPORARY VEGETATION OR MULCHING SHALL BE EMPLOYED TO PROTECT EXPOSED CRITICAL AREAS DURING DEVELOPMENT;
- 8. PERMANENT VEGETATION AND STRUCTURAL EROSION CONTROL MEASURES MUST BE INSTALLED AS SOON AS PRACTICABLE;
- 9. TO THE EXTENT NECESSARY, SEDIMENT IN RUN-OFF WATER SHALL BE TRAPPED BY THE USE OF DEBRIS BASINS, SEDIMENT BASINS, SILT TRAPS. OR SIMILAR MEASURES UNTIL THE DISTURBED AREA IS STABILIZED;
- 10. ADEQUATE PROVISIONS MUST BE PROVIDED TO MINIMIZE DAMAGE FROM SURFACE WATER TO THE CUT FACE OF EXCAVATIONS OR THE SLOPING SURFACES OF FILLS;
- 11. CUTS AND FILLS MAY NOT ENDANGER ADJOINING PROPERTY:
- 12. FILLS MAY NOT ENCROACH UPON NATURAL WATER COURSES OR CONSTRUCTED CHANNELS IN A MANNER SO AS TO ADVERSELY AFFECT OTHER PROPERTY OWNERS:
- 13. GRADING EQUIPMENT MUST CROSS FLOWING STREAMS BY THE MEANS OF BRIDGES OR CULVERTS, EXCEPT WHEN SUCH METHODS ARE NOT FEASIBLE, PROVIDED IN ANY CASE THAT SUCH CROSSINGS SHALL BE KEPT TO A MINIMUM;
- 14. LAND DISTURBING ACTIVITY SHALL INCLUDE PROVISIONS TREATMENT OR CONTROL OF ANY SOURCE OF SEDIMENTS AND ADEQUATE SEDIMENTATION CONTROL FACILITIES TO RETAIN SEDIMENTS ON SITE OR PRECLUDE SEDIMENTATION OF ADJACENT WATERS BEYOND THE LEVELS SPECIFIED IN THE CODE;
- 15. EXCEPT AS PROVIDED IN PARAGRAPH 16 BELOW, NO LAND DISTURBING ACTIVITIES SHALL BE WITHIN 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: 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:
- 16. NO LAND DISTURBING ACTIVITIES SHALL BE CONDUCTED WITHIN A 50 FOOT BUFFER, AS MEASURED 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: PROVIDE, 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 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 REQUIREMENTS FOR ANY ADJACENT TROUT STREAMS; AND NO LAND DISTURBING 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. ONCE THE FINAL STABILIZATION OF THE SITE IS ACHIEVED, A BUFFER MAY BE THINNED OR TRIMMED OF VEGETATION AS LONG AS A PROTECTIVE VEGETATIVE COVER REMAINS TO PROTECT WATER QUALITY AND AQUATIC HABITAT AND A NATURAL CANOPY IS LEFT IN SUFFICIENT QUANTITY TO KEEP SHADE ON THE STREAM BED.
- 17. PROVISIONS OF PARAGRAPH 16 ABOVE SHALL NOT APPLY TO STREAM CROSSINGS FOR WATER LINES OR SEWER LINES, PROVIDED THAT THEY OCCUR AT AN ANGLE, AS MEASURED FROM POINT OF CROSSING, WITHIN 25 DEGREES OF PERPENDICULAR TO THE STREAM: CAUSE A WIDTH OF DISTURBANCE OF NOT MORE THAN 50 FEET WITHIN THE BUFFER; AND ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED INTO THE PROJECT PLANS AND SPECIFICATIONS AND ARE IMPLEMENTED.

# MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL MAINTENANCE AND INSPECTION PRACTICES:

INSTALL EROSION CONTROL MEASURES AND PRACTICES PRIOR, TO OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES. MAINTAIN EROSION CONTROL MEASURES AT ALL TIMES INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES IF DEEMED NECESSARY BY ONSITE INSPECTION.

EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT THE SITE, CLEAN THE PAVED STREET ADJACENT TO ALL LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE, TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. ENSURE THAT ALL SEDIMENT AND EROSION CONTROL MEASURES ARE IN GOOD WORKING ORDER: IF NECESSARY, REPAIR WITHIN 24 HOURS. DAILY CLEAN UP SPILLS AND FIX LEAKS FROM VEHICLES AND EQUIPMENT AT ALL AREAS OF THE SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED.

INSPECT WEEKLY AND DETERMINE THAT ALL CONTROL MEASURES ARE OPERATING CORRECTLY. INSPECT ALL SILT FENCE WEEKLY FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND. REMOVE SEDIMENT FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD (1/3) THE HEIGHT OF THE FENCE INSPECT TEMPORARY AND PERMANENT SEEDING AND PLANTING WEEKLY FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH AND PROMPTLY REPAIR IF NEEDED. IF APPLICABLE, INSPECT SEDIMENT BASINS WEEKLY FOR DEPTH OF SEDIMENT, AND REMOVE SEDIMENT WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY. INSPECT DIVERSION DITCHES WEEKLY AND PROMPTLY REPAIR ANY BREACHES; INSPECT CHECK DAMS AND REMOVE SEDIMENT WHEN IT HAS REACHED ONE-THIRD (1/3) THE HEIGHT OF DAM.

INSPECTIONS SHALL BE CONDUCTED UNDER THE SUPERVISION OF THE PRIMARY PERMITTEE BY "QUALIFIED PERSONNEL" WHO HAVE SUCCESSFULLY COMPLETED AN EROSION AND SEDIMENT CONTROL SHORT COURSE ELIGIBLE FOR CONTINUING EDUCATION UNITS, OR AN EQUIVALENT COURSE APPROVED BY EPD AND THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION. INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

INSPECT DAILY ALL AREAS AT THE SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT. EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE. INSPECT ALL LOCATIONS AT THE SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.

QUALIFIED PERSONNEL SHALL INSPECT AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER THE FOLLOWING: DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAS NOT UNDERGONE FINAL STABILIZATION; AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT UNDERGONE FINAL STABILIZATION; AND STRUCTURAL CONTROL MEASURES. OBSERVE EROSION AND SEDIMENT CONTROL MEASURES TO DETERMINE THAT THEY ARE OPERATING CORRECTLY.

IF ACCESSIBLE, INSPECT DISCHARGE LOCATIONS OR POINTS TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS.

QUALIFIED PERSONNEL SHALL INSPECT THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION AT LEAST ONCE PER MONTH UNTIL A NOTICE OF TERMINATION IS RECEIVED BY THE EPD, INSPECT FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S) AND ENSURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE OPERATING CORRECTLY.

AFTER EACH INSPECTION, COMPLETE A MAINTENANCE/INSPECTION REPORT WHICH CONTAINS SCOPE OF EACH INSPECTION, NAME(S) OF PERSONNEL MAKING EACH INSPECTION, DATE(S) OF EACH INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, AND ACTIONS TAKEN FOR ANY INCIDENTS OF NON-COMPLIANCE. THE REPORT SHALL BE RETAINED AT THE SITE UNTIL THE ENTIRE SITE HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO GA EPD.

THE SCALE BAR

SHOWN BELOW MEASURES ONE

INCH LONG ON

THE ORIGINAL

DRAWING.

DESIGNED: JHS

DRAWN: SHS

CHECKED: JHS

PETROLEUM BASED PRODUCTS - CONTAINERS FOR PRODUCTS SUCH AS FUELS, LUBRICANTS AND TARS WILL BE INSPECTED DAILY FOR LEAKS AND SPILLS. THIS INCLUDES ON-SITE VEHICLE AND MACHINERY DAILY INSPECTIONS AND REGULAR PREVENTATIVE MAINTENANCE OF SUCH EQUIPMENT. EQUIPMENT MAINTENANCE AREAS WILL BE LOCATED AWAY FROM STATE WATER, NATURAL DRAINS AND STORM WATER DRAINAGE INLETS. IN ADDITION, TEMPORARY FUELING TANKS SHALL HAVE A SECONDARY CONTAINMENT LINER TO PREVENT/MINIMIZE SITE CONTAMINATION. DISCHARGE OF OILS, FUELS AND LUBRICANTS IS PROHIBITED. PROPER DISPOSAL METHODS WILL INCLUDE COLLECTION IN A SÚITABLE CONTAINER AND DISPOSAL AS REQUIRED BY LOCAL AND STATE REGULATIONS.

PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCTS WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCT, MATERIALS USED WITH THESE PRODUCTS AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

CONCRETE TRUCK WASHING - NO CONCRETE TRUCKS WILL BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ONSITE.

FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATIONS OR ABOVE THE GUIDELINES SET FORTH IN THE CROP ESTABLISHMENT OR IN THE GSWCC MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA. ANY STORAGE OF THESE MATERIALS WILL BE UNDER ROOF IN SEALED CONTAINERS.

BUILDING MATERIALS - NO BUILDING OR CONSTRUCTION MATERIALS WILL BE BURIED OR DISPOSED OF ONSITE. ALL SUCH MATERIAL WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

NO WASTE WILL BE DISPOSED OF INTO STORM WATER INLETS OR WATERS OF THE STATE.

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER MUST BE EMPTIED A MINIMUM OF ONCE PER WEEK OR 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.

ELIMINATE OR MINIMIZE OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST TO THE MAXIMUM EXTENT PRACTICABLE.

STORE MULCH IN COMPLIANCE WITH SECTION 502.3.1 OF THE STANDARD FIRE PREVENTION CODE STATING "NO PERSON SHALL STORE IN ANY BUILDING OR UPON ANY PREMISES IN EXCESS OF 2,500 CU.FT. GROSS VOLUME OF COMBUSTIBLE EMPTY PACKING CASES, BOXES, BARRELS OR SIMILAR CONTAINERS, OR RUBBER TIRES, OR RUBBER OR OTHER SIMILARLY COMBUSTIBLE MATERIALS WITHOUT A PERMIT".

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

SANITARY WASTES

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS. ALL SANITARY WASTE UNITS WILL BE LOCATED IN ANY 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 IN THE EROSION CONTROL PLAN BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

SOIL CLEANUP AND CONTROL PRACTICES

\* LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP SHALL BE CLEARLY POSTED AND PROCEDURES SHALL BE MADE AVAILABLE \* MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP MUST BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES,

BUT NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE

\* SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS. \* ALL SPILLS SHALL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS SHALL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL

\* FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.

\* FOR SPILLS OF UNKNOWN AMOUNT. THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675. \* FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA EPD WILL BE CONTACTED WITHIN 24 HOURS.

\* FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

THE CONTRACTOR SHALL NOTIFY THE LICENSED PROFESSIONAL WHO PREPARED THIS PLAN IF MORE THAN 1320 GALLONS OF PETROLEUM IS STORED ONSITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY A LICENSED PROFESSIONAL.

INSPECTIONS BY THE PRIMARY PERMITTEE

1) EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, QUALIFIED 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; (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 THE SITE. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

2) QUALIFIED 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 OR GREATER THE FOLLOWING: (A) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE THAT HAVE NOT UNDERGONE FINAL STABILIZATION; (B) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION THAT HAVE NOT GONE UNDERGONE FINAL STABILIZATION; 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, THE PERMITTEE MUST COMPLY WITH PART IV.D.A(3). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

3) QUALIFIED 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 RECEIVED BY EPD) THE AREAS OF THE SITE THAT HAVE UNDERGONE FINAL STABILIZATION. THESE AREAS SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR POLLUTANTS ENTERING THE DRAINAGE SYSTEM AND THE RECEIVING WATER(S). EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S).

678-569-4290 - Phone

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 N.O.T. IS SUBMITTED IN ACCORDANCE WITH PART VI:

A. A COPY OF ALL NOTICES OF INTENT (N.O.I.) SUBMITTED TO EPD.

A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THIS PERMIT.

THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5 OF THIS PERMIT.

A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THIS PERMIT.

A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART PART IV.D.a OF THIS PERMIT A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2 OF THIS PERMIT.

G. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.a(1)(c) OF THIS PERMIT.

COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, INSPECTION REPORTS, SAMPLING REPORTS (INCLUDING CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION) OR OTHER REPORTS REQUESTED BY THE EPD, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED

Final Permit AND ALL OTHER RECORDS REQUIRED

Final Permit AND ALL OTHER RECORDS ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE N.O.T. IS SUBMITTED IN ACCORDANCE WITH PART VI. OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PRIMARY PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE.

SPILL PREVENTION CONTROL AND COUNTERMEASURES

GOOD HOUSEKEEPING:

THESE MEASURES APPLY TO ALL POTENTIAL POLLUTANTS INCLUDING PETROLEUM BASED PRODUCTS, GREASE, FERTILIZER, PAINT, CONCRETE, DETERGENTS, TAR, CLEANING SOLVENTS, WOOD, METAL STUDS AND ANY OTHER HAZARDOUS MATERIAL.

SWEITZER ENGINEERING, INC. CONSULTING ENGINEERS 680 Douthit Ferry Rd, Suite 105 Cartersville, Georgia 30120



CITY OF LAFAYETTE, GEORGIA

SHATTUCK INDUSTRIAL BLVD FORCEMAIN REPLACEMENT

OWNER/DEVELOPER:

710 SOUTH CHEROKEE STREET

LAFAYETTE GEORGIA 30728

MOBILE: 423-595-0855

CITY OF LAFAYETTE

SWEITZER ENGINEERING, INC 680 DOUTHIT FERRY ROAD SUITE 105 CARTERSVILLE, GEORGIA 30120

CIVIL ENGINEER/QUALIFIED PERSONNEL:

24 HOUR CONTACT: WALLY MEEKS CONTACT: TRENT R. LARD, P.E. PHONE: 678-569-4290

Level II Certified

CERTIFICATION NUMBER -

ISSUED: 09/01/20 15

GEORGIA SQIL AND WATER

EXP<sub>IRES:</sub> 09/01/20.8

NON-STORM WATER DISCHARGE:

CONTRACTOR TO BE SELECTED FOR PROJECT

CONTRACTOR/OPERATOR:

IF IT IS DETERMINED THAT NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD, (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED), THEN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN SHALL BE REVISED AND INCLUDE DETAILS OF THE DRAINAGE.

SITE VISIT CERTIFICATION:

GSWCC NO. 0000045303

"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.

8-10-17 Jut R. Lond GEORGIA LICENSED PROFESSIONAL

DATE

DESIGN PROFESSIONAL 7-DAY VISIT CERTIFICATION

DATE OF INSPECTION: \_\_\_\_\_

"I CERTIFY THE SITE WAS IN COMPLIANCE WITH THE ES&PC PLAN ON THE DATE OF INSPECTION.

GEORGIA LICENSED PROFESSIONAL GSWCC NO. 00000045303

INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLAN.

PROCEED ON THE SITE UNTIL DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED.

THESE DEFICIENCIES MUST BE ADDRESSED IMMEDIATELY AND A RE-INSPECTION SCHEDULED. WORK SHALL NOT

CERTIFICATION STATEMENTS:

"I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA," (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND-DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING AND 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."

GEORGIA LICENSED PROFESSIONAL

GSWCC NO. 0000045303 "I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN PROVIDES FOR THE MONITORING OF (A) ALL PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES SHOWN ON THE USGS TOPOGRAPHIC MAP AND ALL OTHER FIELD VERIFIED PERENNIAL AND INTERMITTENT STREAMS AND OTHER WATER BODIES OR (B) WHERE ANY SUCH SPECIFIC IDENTIFIED PERENNIAL OR INTERMITTENT STREAM AND OTHER WATER BODY IS NOT PROPOSED TO BE SAMPLED, IHAVE DETERMINED IN MY PROFESSIONAL JUDGMENT, UTILIZING THE FACTORS REQUIRED IN THE GENERAL NPDES PERMINT NO GAR 100002, THAT THE INCREASE IN THE TURBIDITY OF EACH SPECIFIC IDENTIFIED SAMPLED RECEIVING WATER WILL BE REPRESENTATIVE OF THE INCREASE IN THE TURBIDITY OF A SPECIFIC IDENTIFIED UN-SAMPLED RECEIVING WATER."

GEORGIA LICENSED PROFESSIONAL GSWCC NO. 0000045303

"I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM. OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS."

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SHEET TITLE

EROSION, SEDIMENTATION, & POLLUTION CONTROL PLAN DATE: AUGUST 10, 2017

SEQUENCE 14 OF 14

PROJECT NO. 126-143

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NO.

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DATE | ISSUED FOR