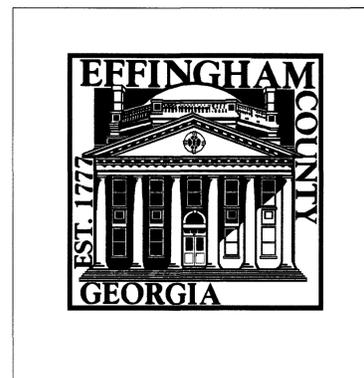


CONSTRUCTION PLANS HONEY RIDGE ROAD BRIDGE REPLACEMENT

FOR
EFFINGHAM COUNTY BOARD OF COMMISSIONERS
601 NORTH LAUREL STREET
SPRINGFIELD, GEORGIA 31329
TELEPHONE NO. (912) 754-2123
DESIGN ENGINEER TELEPHONE NO. (912) 445-0050

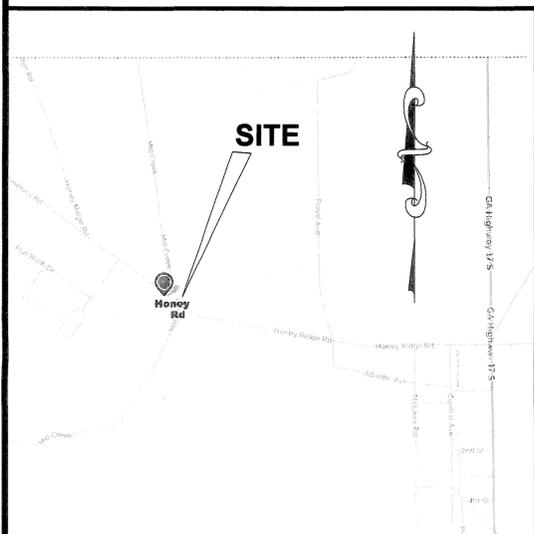


AUGUST, 2018

**CHAIRMAN AT LARGE
WESLEY CORBITT**

COMMISSIONERS

- | | |
|------------|---------------------------------|
| DISTRICT 1 | FORREST FLOYD |
| DISTRICT 2 | ROGER BURDETTE |
| DISTRICT 3 | JAMIE DELOACH |
| DISTRICT 4 | REGINALD "REGGIE" S. LOPER, SR. |
| DISTRICT 5 | PHIL KIEFFER |



VICINITY MAP
NOT TO SCALE



Know what's below.
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GENERAL NOTES:

- CONTRACTOR WILL BE REQUIRED TO ATTEND A PRE-CONSTRUCTION CONFERENCE WITH THE GOVERNMENTAL AGENCY IN CHARGE OF THE PROJECT.
- CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND INSPECTIONS AS REQUIRED FOR APPROVAL OF THE WORK WITH THE GOVERNMENTAL AGENCY WITH JURISDICTION.
- CONTRACTOR WILL BE RESPONSIBLE FOR COST OF AND COORDINATION WITH LOCAL UTILITY COMPANIES OR AGENCIES FOR RELOCATION OF, OR CONNECTION TO, ALL EXISTING UTILITIES INCLUDING POWER AND TELEPHONE POLES AND WIRES.
- ALL ELEVATIONS ARE BASED ON MEAN SEA LEVEL DATUM. (NAVD 88)
- REMOVAL AND REPLACEMENT OF UNSUITABLE SUBGRADE MATERIAL WILL BE PAID FOR ON A CUBIC YARD BASIS IN PLACE MEASUREMENT, AT SUCH AUTHORIZED PRICE PER CUBIC YARD, AS AUTHORIZED BY THE ENGINEER.
- SUBGRADE WILL BE COMPACTED FOR A DEPTH OF 24" EXTENDING 24" BEYOND PAVEMENT EDGES, TO A MINIMUM OF 98% STANDARD PROCTOR DENSITY AS MEASURED BY A.A.S.H.T.O. METHOD T-99. 9.
- ALL DIMENSIONS ARE TO EXTERIOR FACE OF BUILDING, EDGE OF SURFACE COURSE OR BACK OF CURBING.
- ALL ANGLES ARE 90 DEGREES UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL KEEP ACCURATE RECORDS FOR "AS BUILTS" PURPOSES AND PROVIDE THIS INFORMATION TO THE ENGINEER AT THE COMPLETION OF THE PROJECT. IF THE CONTRACTOR FAILS TO FURNISH THIS INFORMATION, THE ENGINEER WILL OBTAIN THE NECESSARY INFORMATION AND CHARGE THE CONTRACTOR FOR THE SERVICES. THE ENGINEER WILL CHECK INFORMATION PROVIDED BY THE CONTRACTOR FOR ACCURACY. AS BUILT INFORMATION INCLUDES, BUT IS NOT LIMITED TO, THE FOLLOWING: ALL UTILITIES INCLUDING INVERTS, TOP ELEVATIONS, PIPE LENGTHS AND TYPE OF CONSTRUCTION MATERIAL; SPOT ELEVATIONS ON FORCE MAINS AND WATER LINES. THE DISTANCE OF THE CENTERLINE OF UTILITIES FROM A PERMANENT STRUCTURE. ALL VALVE MANHOLES AND VALVE BOXES SHALL BE LOCATED WITH RESPECT TO A PERMANENT STRUCTURE. GRADES SHALL BE CONFIRMED IN ROADS AND PARKING AREAS AS WELL AS SWALES TO SHOW DIRECTION OF STORMWATER FLOW. THE FINISHED FLOOR ELEVATION SHALL BE SHOWN ON ALL BUILDINGS. IF THE LANDSCAPING IS CHANGED IN ANY WAY AN AS BUILT OF THE LANDSCAPE PLAN IS TO BE SUBMITTED TO THE ENGINEER, AND ANY OTHER REQUIREMENT MADE BY THE LOCAL JURISDICTION.
- ALL NEW DISTURBED AREAS WILL BE GRASSED BY SEEDING OR SPRIGGING IN ACCORDANCE WITH GA. D.O.T. STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE DUST CONTROL OF ALL DISTURBED AREAS BY THE USE OF WATER AND FAST GROWING, TEMPORARY VEGETATION ON ALL STOCKPILED SOILS.
- CONTRACTOR WILL PROVIDE A CONSTRUCTION SCHEDULE INCLUDING ALL EROSION AND SEDIMENT CONTROL MEASURES.
- CONTRACTOR SHALL PROVIDE CRUSHED STONE 6" THICK, 50' MIN. LONG BY 20' MIN. WIDE AT ALL CONSTRUCTION EXITS TO MINIMIZE TRANSPORT OF SOIL FROM SITE BY VEHICLE WHEELS.
- TESTING - PROVIDE ALL TESTING AS REQUIRED IN THE SPECIFICATIONS. PROVIDE ENGINEER WITH COPY DIRECT FROM TESTING LAB.
- CONTRACTOR SHALL MAINTAIN SITE ON A DAILY BASIS TO PROVIDE FOR POSITIVE DRAINAGE. CONTRACTOR, AT HIS COST, SHALL GRADE SITE AND PROVIDE NECESSARY TEMPORARY DRAINAGE SWALES TO INSURE STORM WATER DOES NOT POND ON SITE.
- THE DETENTION BASINS SHALL BE CONSTRUCTED IN CONJUNCTION WITH CLEARING AND GRADING TO HELP PREVENT THE LOSS OF SEDIMENT FROM THE SITE. THE CONTRACTOR SHOULD CLEAN OUT ANY SEDIMENT DEPOSITED IN THE BASINS DURING THE CONSTRUCTION PERIOD SO THAT THE SPECIFIED WATER DEPTH AT NORMAL POOL IS MAINTAINED. THE CONTRACTOR MAY OVER EXCAVATE THE BASINS TO ACCOMPLISH THIS, IF DESIRED, AT HIS OWN EXPENSE AND WITH THE CONCURRENCE OF THE ENGINEER.
- ANY STUMP HOLES OR OTHER DEPRESSIONS SHOULD BE CLEARED OF LOOSE MATERIAL AND DEBRIS AND SHOULD THEN BE BACKFILLED WITH APPROVED FILL. THE BACKFILL SHOULD BE PLACED IN SIX INCH MAXIMUM LIFTS AND COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM-D-1557.
- ANY UTILITIES THAT UNDERLIE THE SITE SHOULD BE RELOCATED AND THE TRENCHES BACKFILLED WITH APPROVED SOIL. THE BACKFILL SHOULD BE PLACED IN SIX INCH MAXIMUM LIFTS AND COMPACTED TO 95% DENSITY IN ACCORDANCE WITH ASTM-D-1557.
- THE SUBGRADE SHOULD BE PROOFROLLED WITH A LOADED DUMP TRUCK TO LOCATE UNSTABLE OR SOFT AREAS. THESE AREAS SHOULD THEN BE INVESTIGATED TO DETERMINE THE CAUSE OF THE INSTABILITY. IF DUE TO UNSUITABLE SOIL, SUCH AS HIGHLY ORGANIC SOILS OR SOFT CLAYS, THE AREA SHOULD BE UNDERCUT TO A FIRM SOIL AND REPLACED WITH APPROVED FILL COMPACTED IN SIX INCH LIFTS TO MINIMUM OF 95% OF THE SOILS MODIFIED PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM-D-1557. UNSUITABLE SOIL MATERIALS ARE DEFINED AS THOSE COMPLYING WITH ASTM D2487 SOIL CLASSIFICATION GROUPS ML, MH, CH, CL, OL AND PT. IF THE INSTABILITY IS DUE TO EXCESS MOISTURE IN OTHERWISE SUITABLE SOIL, THE AREA SHOULD BE DRAINED AND COMPACTED TO 95% OF THE SOILS MODIFIED PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM-D-1557. ANY FILL REQUIRED TO LEVEL OR RAISE THE SITE SHOULD THEN BE PLACED IN 6" THICK LOOSE LIFTS AND COMPACTED TO 95% OF THE SOILS MODIFIED PROCTOR MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM-D-1557. THE ENGINEER SHALL CERTIFY THE PROOF ROLLING PROCESS AND THE RESULTS OF THE PROOF ROLL.
- ALL OF THE FILL FOR THIS PROJECT SHOULD CONSIST OF NON PLASTIC GRANULAR MATERIAL WITH A MAXIMUM OF 25% FINES PASSING THE NO. 200 SIEVE. THE FILL SHOULD BE FREE OF ORGANICS, ROOTS, OR OTHER DELETERIOUS MATERIALS. FILL CLASSIFIED AS SW, SP, SP-SM OR SM WITH A MAXIMUM OF 15% PASSING A NO. 200 SIEVE MAY BE ACCEPTABLE.
- MOISTURE CONTENT SHALL BE AT OR BELOW OPTIMUM.
- ALL SIGNING AND PAVEMENT MARKINGS SHALL BE PER GADOT, M.U.T.C.D. AND THE LOCAL JURISDICTIONS SPECIFICATIONS.
- ALL STANDARD HIGHWAY SIGNS AND POSTS SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE PLANS, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, AND THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS, AND/OR SPECIAL PROVISIONS.



UTILITY NOTES:

- IN ADDITION TO THE SEDIMENTATION AND EROSION CONTROL MEASURES AS INDICATED ON THE PLANS, THE CONTRACTOR SHALL TAKE WHATEVER ACTIONS AS ARE NECESSARY TO ENSURE THAT ALL SEDIMENTATION IS CONFINED TO THE SITE AND THAT NO OFFSITE EROSION IS CAUSED BY THE WORK EITHER DIRECTLY OR INDIRECTLY.
- HIGHLY CHLORINATED WATER USED IN THE DISINFECTION PROCESS SHALL BE DILUTED AND DISCHARGED IN ACCORDANCE WITH AWWA C651-99 "DISINFECTING WATER MAINS" SEC.4.5-4.5.2.
- PIPE, FITTINGS, VALVES AND OTHER ACCESSORIES SHALL, UNLESS OTHERWISE DIRECTED, BE LOADED AT THE POINT OF DELIVERY, AND STORED WHERE THEY WILL BE PROTECTED AND WILL NOT BE HAZARDOUS TO TRAFFIC. THEY SHALL AT ALL TIMES BE HANDLED WITH CARE TO AVOID DAMAGE. THE INTERIOR OF ALL PIPE, FITTINGS AND OTHER ACCESSORIES SHALL BE KEPT FREE FROM DIRT AND OTHER FOREIGN MATTER AT ALL TIMES.
- ANY DEFECTIVE, DAMAGED OR UNSOUND PIPE SHALL BE REJECTED. ALL FOREIGN MATTER OR DIRT SHALL BE REMOVED FROM THE INSIDE OF THE PIPE BEFORE IT IS LOWERED INTO ITS POSITION IN THE TRENCH AND IT SHALL BE KEPT CLEAN BY APPROVED MEANS DURING AND AFTER LAYING. CARE SHALL BE TAKEN TO PREVENT DIRT FROM ENTERING THE JOINT SPACE. AT TIMES WHEN PIPE LAYING IS NOT IN PROGRESS, THE OPEN ENDS OF THE PIPE SHALL BE CLOSED BY APPROVED MEANS AND NO TRENCH WATER SHALL BE PERMITTED TO ENTER THE PIPE.
- CLEAN THE INTERIORS OF ALL PIPE BY WASHING OUT ALL DIRT BEFORE LAYING.
- FLUSH THE NEW PIPE LINES UNTIL WATER RUNS CLEAR AT THE END OF ALL MAINS AND LATERALS. THIS SHOULD BE DONE AFTER THE PRESSURE TEST AND BEFORE DISINFECTION.
- DURING INSTALLATION, WHEN PIPE LAYING IS NOT IN PROGRESS, A MECHANICAL JOINT PLUG OR CAP, OR APPROVED EQUAL, WILL BE USED TO FORM A WATER TIGHT SEAL AT BOTH ENDS OF THE LINE BEING LAID.
- MAINTAIN A MINIMUM OF EIGHTEEN (18") INCH VERTICAL CLEARANCE BETWEEN THE WATER LATERAL AND THE STORM DRAINAGE.
- ALL CONNECTIONS TO EXISTING MANHOLES SHALL BE DONE BY THE CORE DRILL METHOD.
- THE CONTRACTOR IS RESPONSIBLE TO BRING PROPOSED MANHOLE TOPS TO GRADE. SET ALL MH TOPS 3" ABOVE FINISHED GRADE.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL CERTIFICATIONS OF BACKFLOW DEVICES TO THE ENGINEER.
- ALL KNOWN UTILITY FACILITIES ARE SHOWN SCHEMATICALLY ON THE PLANS AND ARE NOT NECESSARILY ACCURATE AS TO PLAN OR ELEVATION. UTILITY FACILITIES SUCH AS SERVICE LINES OR UNKNOWN FACILITIES NOT SHOWN ON THE PLANS WILL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITIES. EXCEPT AS NOTED BELOW, THE CONTRACTOR WILL NOT BE RESPONSIBLE FOR THE COST OF REPAIRS TO DAMAGED UTILITY FACILITIES OTHER THAN SERVICE LINES FROM STREET MAINS TO ABUTTING PROPERTY WHEN SUCH FACILITIES ARE NOT SHOWN ON THE PLANS AND THEIR EXISTENCE IS UNKNOWN TO THE CONTRACTOR PRIOR TO THE DAMAGES OCCURRING PROVIDING THE ENGINEER DETERMINES THE CONTRACTOR HAS OTHERWISE FULLY COMPLIED WITH THE SPECIFICATIONS. THE CONTRACTOR SHALL CALL "CALL BEFORE YOU DIG" AT 811 TO INSURE PROPER LOCATIONS OF EXISTING UTILITIES.
- ALL WATER USED FOR CONSTRUCTION SHALL BE METERED THROUGH AND APPROVED BACKFLOW PREVENTION DEVICE AND FIRE HYDRANT METER.
- ALL TAPS ON A MAIN FOR SERVICE LATERALS SHALL BE MADE WITH AN ALL STAINLESS STEEL DOUBLE STRAP EPOXY COATED TAPPING SADDLE. THE SIZE OF THE SADDLE SHALL BE WATER MAIN DIAMETER C-900 + (NPT) NATIONAL PIPE THREAD.
- ANY AND ALL UTILITY CROSSINGS FOR WATER MAINS BETWEEN STORM OR SEWER PIPING SHOULD BE ACCOMPLISHED BY USING OF 45° BENDS BOTH DOWN AND UP.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY CONFLICT WITH EXISTING UTILITIES NOT SHOWN ON THESE PLANS PRIOR TO LAYING ANY PIPE.
- FIRE HYDRANTS SHALL BE AT LEAST 18" ABOVE FINISHED GRADE (MEASURED FROM BOTTOM OF 4-1/2" DISCHARGE TO FINISHED GRADE).
- SEE MEP PLANS FOR CONTINUATION OF ALL UTILITIES. CIVIL INFORMATION TERMINATES 5' FROM BUILDING ENVELOPE.
- CONTRACTOR TO COORDINATE TYPE AND INSTALLATION OF DOMESTIC AND/OR IRRIGATION WATER METERS, BACKFLOW PREVENTERS AND DETECTOR CHECK VALVES WITH UTILITY COMPANY.
- ALL RELOCATED SERVICES TO BE INSTALLED PRIOR TO CONNECTION TO EXISTING SERVICE TO MINIMIZE THE TIME THE EXISTING BUILDING IS TO BE WITHOUT SERVICE. NOTIFY AND COORDINATE WITH OWNER.
- ALL SANITARY SEWER PIPES SHALL MEET THE REQUIREMENTS OF ASTM D-3034, SDR 35. AND HAVE A MINIMUM COVER OF 36" FROM FINISHED GRADE.
- WATER MAINS SHALL HAVE A MINIMUM OF 36" OF COVER FROM FINISHED GRADE.
- AIR RELIEF VALVES SHALL BE INSTALLED OF ALL HIGH POINTS IN WATER MAINS AND FORCE MAINS WHERE AIR MAY ACCUMULATE. THESE LOCATION SHALL BE FIELD DETERMINED BY THE CONTRACTOR.
- THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES OR PROCEDURES UTILIZED BY THE CONTRACTOR, NOR FOR THE SAFETY OF PUBLIC OR CONTRACTOR'S EMPLOYEES OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.
- A CONTINUOUS RUN OF PLASTICIZED METALLIC TAPE SHALL BE INSTALLED ABOVE THE TOP OF PVC PIPE USED FOR GRAVITY SEWER AND FORCE MAINS AT APPROXIMATELY 30" BELOW FINISHED GRADE. THE TAPE SHALL BE SUITABLE FOR DETECTION WITH METAL PIPE LOCATION EQUIPMENT, COLOR CODED AND LABELED TO IDENTIFY CONTENTS OF THE PIPE AND BRIGHTLY COLORED TO CONTRAST WITH THE SOIL. IN ADDITION TO THE TAPE, A CONTINUOUS RUN OF TRACER WIRE SHALL BE ATTACHED TO THE PIPE AND CONNECTED TO MANHOLE RINGS. ON PIPE RUNS GREATER THAN 500', THE TRACER WIRE SHALL BE ATTACHED TO A 2" GALVANIZED PIPE WITH A 180 DEGREE BEND AT THE TOP. EXTENDING 36" ABOVE GRADE FOR CONNECTION TO LOCATOR EQUIPMENT. THE MAXIMUM DISTANCE BETWEEN 2" PIPE STUBS SHALL BE 500'.
- ALL SANITARY SEWER LATERALS SHALL BE PROPERLY MARKED AT THE POINT WHERE LATERALS TERMINATE WITH PVC PIPE PAINTED GREEN. ADDITIONAL MARKINGS SHALL BE STAMPED IN THE CURB OR MARKED ON THE EDGE OF PAVING WITH AN APPROVED PERMANENT MARKER CAPABLE OF BEING LOCATED BY A MAGNETIC LOCATOR, SUCH AS A NAIL WITH CAP. IF NO CURB PRESENT, LATERALS SHALL BE MARKED WITH MARKING TAPE AND TRACER WIRE AS DESCRIBED ABOVE UNDER ITEM 19.
- A CONTINUOUS RUN OF PLASTICIZED METALLIC TAPE SHALL BE INSTALLED ABOVE THE TOP OF PVC PIPE USED FOR WATER MAINS AT APPROXIMATELY 18" TO 24" BELOW FINISHED GRADE. THE TAPE SHALL BE SUITABLE FOR DETECTION WITH METAL PIPE LOCATION EQUIPMENT, COLOR CODED AND LABELED TO IDENTIFY CONTENTS OF THE PIPE AND BRIGHTLY COLORED TO CONTRAST WITH THE SOIL. IN ADDITION TO THE TAPE, A CONTINUOUS RUN OF TRACER WIRE SHALL BE ATTACHED TO THE PIPE AND CONNECTED TO CURB STOPS AND BROUGHT TO THE TOP OF THE VALVE. ON PIPE RUNS GREATER THAN 500', THE TRACER WIRE SHALL BE ATTACHED TO A 2" GALVANIZED PIPE WITH A 180 DEGREE BEND AT THE TOP. EXTENDING 36" ABOVE GRADE FOR CONNECTION TO LOCATOR EQUIPMENT. THE MAXIMUM DISTANCE BETWEEN 2" PIPE STUBS SHALL BE 500'.
- ALL WATER SERVICES SHALL BE PROPERLY MARKED ABOVE GROUND WITH PVC PIPE PAINTED BLUE. ADDITIONAL MARKINGS SHALL BE STAMPED IN THE CURB OR MARKED ON THE EDGE OF PAVING WITH AN APPROVED PERMANENT MARKER CAPABLE OF BEING LOCATED BY A MAGNETIC LOCATOR, SUCH AS A NAIL WITH CAP. IF NO CURB PRESENT, LATERALS SHALL BE MARKED WITH MARKING TAPE AND TRACER WIRE AS DESCRIBED ABOVE UNDER ITEM 21.
- SEWER SERVICE LATERALS SHALL BE INSTALLED AT RIGHT ANGLES.
- THE TENNIS BALL TEST ON SANITARY LATERALS WILL NEED TO BE CONDUCTED TWICE. ONCE BEFORE THE INSTALLATION OF THE DRY UTILITIES AND ONCE AFTER ALL DRY UTILITIES HAVE BEEN INSTALLED. THE SANITARY SEWER LATERALS MUST PASS THE TENNIS BALL TEST BEFORE FINAL ACCEPTANCE WILL BE GRANTED.
- ALL SANITARY SEWER SERVICE LATERALS WILL BE REQUIRED TO BE CAPPED.

LEGEND

EXISTING	PROPOSED	
CONTROL NAIL	△ NF	CHAIN LINK
IRON PIPE	○ IPF	BARBED WIRE
IRON REBAR	○ IRF	HOG WIRE
CONCRETE MONUMENT	■ CMF	WROUGHT IRON
RIGHT-OF-WAY MARKER	⊕ RWAF	WOODEN
BENCHMARK	⊕ BMAF	SILT FENCE (SINGLE)
RAILROAD CROSSING ARM	⊕ BMS	SILT FENCE (DOUBLE)
PIPES	—	CENTERLINE OF ROAD
DRAINAGE MANHOLE	⊙	EDGE OF ASPHALT
GRATE INLET	⊙	CURB & GUTTER
FLARED END SECTION	⊙	RAILROAD TRACK
INVERT ELEVATION	IE 12.00	WATERMAIN LINE (EXISTING)
CURB INLET TYPE A	⊙	WATERMAIN LINE (PROPOSED)
CURB INLET TYPE B	⊙	UNDERGROUND POWER CABLE
CURB INLET TYPE C	⊙	OVERHEAD POWER CABLE
RIP RAP	⊙	GAS LINE
BACKFLOW PREVENTER	⊙	UNDERGROUND TELEPHONE CABLE
BLOW-OFF	⊙	OVERHEAD TELEPHONE CABLE
FIRE HYDRANT	⊙	UNDERGROUND FIBER OPTIC CABLE
HOSE BIBB (SPIGOT)	⊙	OVERHEAD FIBER OPTIC CABLE
WELL	⊙	UNDERGROUND CABLE TV
WATER LINE MARKER	⊙	OVERHEAD CABLE TV
WATER METER	⊙	EXISTING SEWER LINE
WATER MANHOLE	⊙	PROPOSED SEWER LINE
WATER VALVE	⊙	FORCEMAIN LINE
POWER POLE	⊙	
GUY POLE	⊙	
LIGHT POLE	⊙	
GROUND LIGHT	⊙	
ELECTRICAL LINE MARKER	⊙	
ELECTRICAL MANHOLE	⊙	
ELECTRICAL CONTROL BOX	⊙	
ELECTRICAL OUTLET BOX	⊙	
ELECTRICAL SERVICE METER	⊙	
ELECTRICAL TRANSFORMER	⊙	
GAS LINE MARKER	⊙	
GAS METER	⊙	
TELEPHONE PEDESTAL	⊙	
TELEPHONE LINE MARKER	⊙	
CLEANOUT	⊙	
CENTER SANITARY MANHOLE	⊙	
GREASE TRAP	⊙	



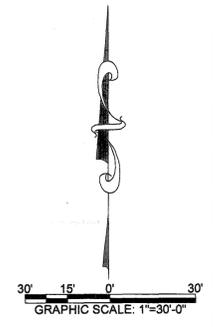
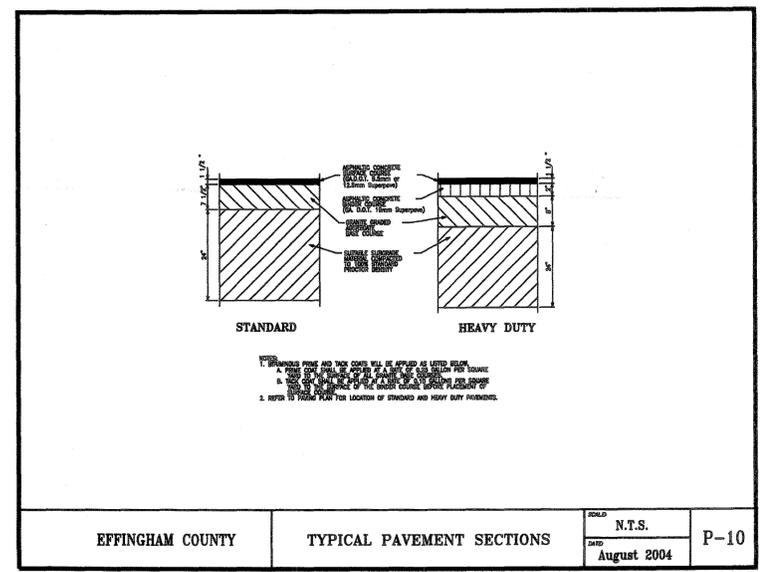
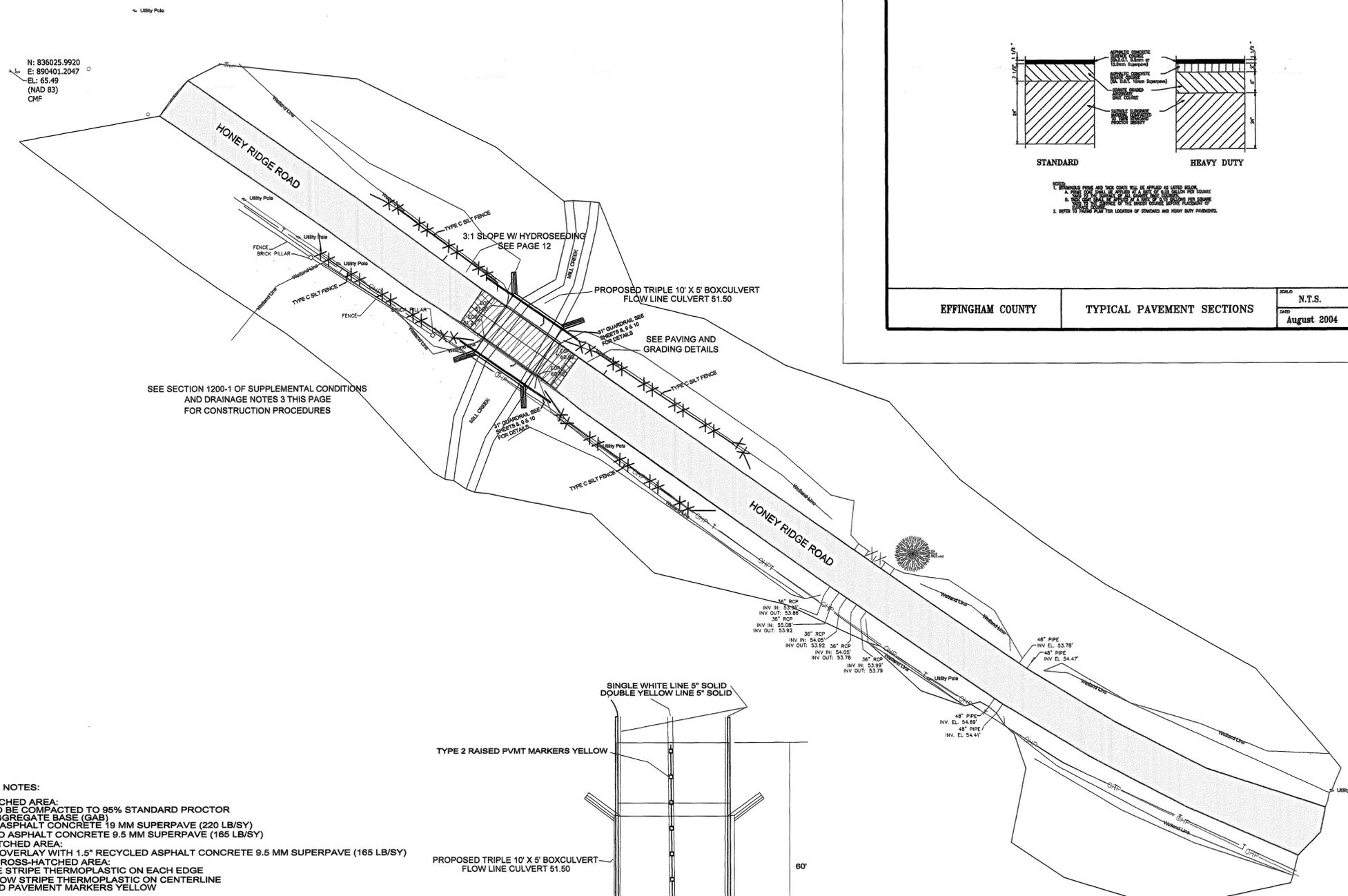
EFFINGHAM COUNTY
BOARD OF COMMISSIONERS
ENGINEERING DEPARTMENT
601 NORTH LAUREL STREET
SPRINGFIELD, GA 31329
PH: (912) 754-8060
FX: (912) 754-9859



REVISIONS	DATE
NUMBER	

DESIGNED BY	BY DCM	CHECKED BY	DATE
DRAWN	BY DCM	CHECKED BY LCA	09/24/2018
JOB NO.		SCALE	NONE

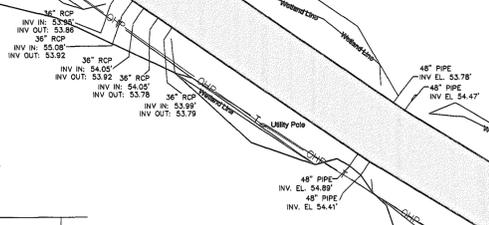
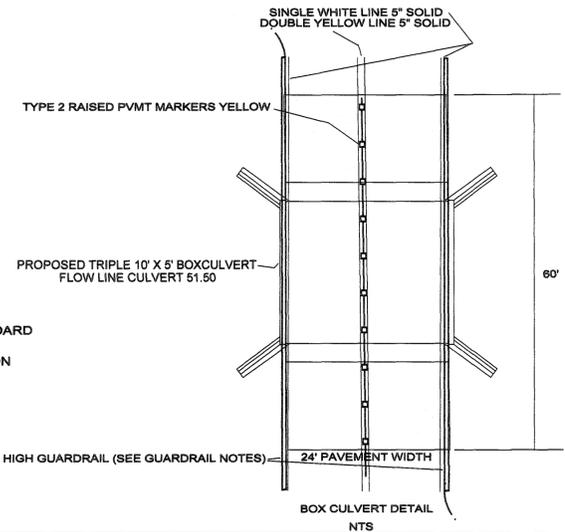
HONEY RIDGE ROAD BRIDGE REPLACEMENT
PREPARED FOR
EFFINGHAM COUNTY BOARD OF COMMISSIONERS
GENERAL NOTES & LEGEND



N: 836025.9920
E: 890401.2047
EL: 65.49
(NAD 83)
CHP

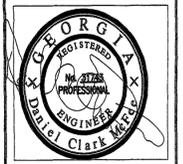
SEE SECTION 1200-1 OF SUPPLEMENTAL CONDITIONS AND DRAINAGE NOTES 3 THIS PAGE FOR CONSTRUCTION PROCEDURES

- PAVING AND GRADING NOTES:**
- SINGLE CROSS-HATCHED AREA:
 - A. SUBGRADE TO BE COMPACTED TO 95% STANDARD PROCTOR
 - B. 8" GRADED AGGREGATE BASE (GAB)
 - C. 2" RECYCLED ASPHALT CONCRETE 19 MM SUPERPAVE (220 LB/SY)
 - D. 1.5" RECYCLED ASPHALT CONCRETE 9.5 MM SUPERPAVE (165 LB/SY)
 - DOUBLE CROSS-HATCHED AREA:
 - A. MILL 1.5" AND OVERLAY WITH 1.5" RECYCLED ASPHALT CONCRETE 9.5 MM SUPERPAVE (165 LB/SY)
 - SINGLE & DOUBLE CROSS-HATCHED AREA:
 - A. SINGLE WHITE STRIPE THERMOPLASTIC ON EACH EDGE
 - B. DOUBLE YELLOW STRIPE THERMOPLASTIC ON CENTERLINE
 - C. TYPE 2 RAISED PAVEMENT MARKERS YELLOW
- GUARDRAIL NOTES:**
- CONTRACTOR SHALL INSTALL 168 LINEAL FEET (84 FEET EACH SIDE) OF 31" HIGH GUARDRAIL (GDOT STANDARD SPECIFICATIONS 4380, 4381 & 4383)
 - ANCHORAGE AT EACH END SHALL BE GDOT STANDARD SPECIFICATIONS 4383 WITH A PRE-CURVED SECTION ON THE TRAFFIC END
 - GUARDRAIL POSTS SHALL BE GDOT STANDARD SPECIFICATIONS 4381.
- DRAINAGE NOTES:**
- EROSION AND SEDIMENTATION WILL BE ACCOMPLISHED USING 500 LINEAL FEET OF CLASS C SILT FENCE
 - SEDIMENT STORAGE WILL BE IN THE DRAINAGE SUMP IN THE WORK AREA
 - A DIKE WILL BE CONSTRUCTED BY THE CONTRACTOR TO KEEP THE WORK AREA DRY
 - A. CONTRACTOR WILL SUBMIT THE DESIGN OF THE DIKE TO THE ENGINEER FOR APPROVAL



Know what's below.
Call before you dig.

GSWCO GEORGIA SOIL AND WATER CONSERVATION COMMISSION
 DANIEL C. NICPÉE, PE
 Level II Certified Design Professional
 CERTIFICATION NUMBER 0000012258
 ISSUED 04/28/2018 EXPIRES 04/28/2021



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REVISIONS NUMBER	DATE

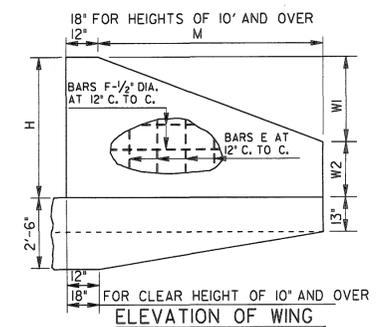
DESIGNED BY_DCM	CHECKED BY_LCA
DRAWN BY_DCM	DATE 08/24/2018
JOB NO.	SCALE 1"=30'

HONEY RIDGE ROAD BRIDGE REPLACEMENT
 PREPARED FOR:
 EFFINGHAM COUNTY BOARD OF COMMISSIONERS
 PAVING, GRADING AND DRAINAGE PLAN

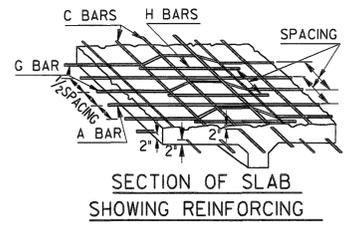
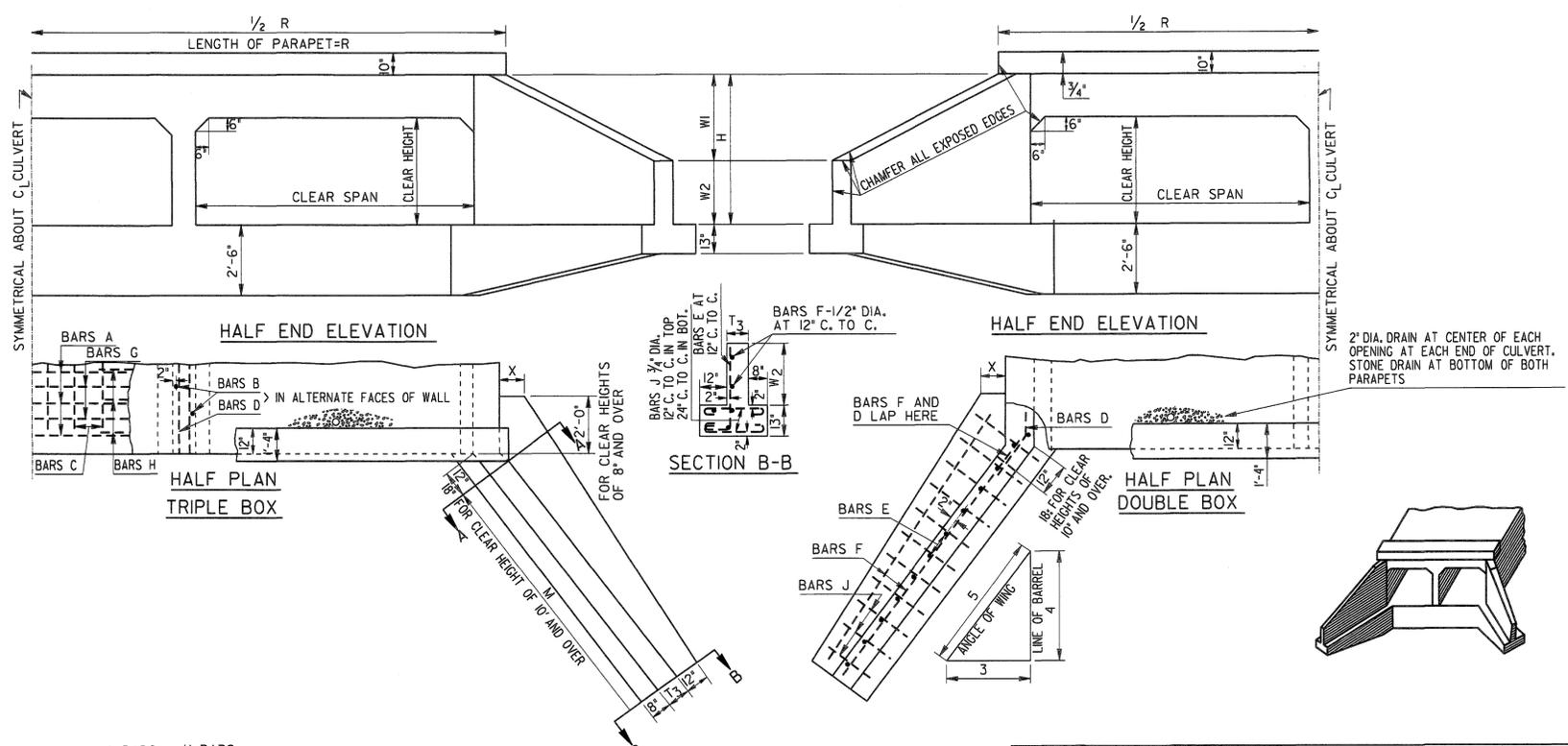
SHEET NUMBER
5 OF 12

STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

CLEAR SPAN	CLEAR HEIGHT	WINGWALLS AND PARAPETS																CLEAR HEIGHT	CLEAR SPAN
		STEEL REINFORCEMENT																	
		E BARS AT 12" C.C.								1/2" DIA. F BARS AT 12" C. TO C.				J BARS 3/4" DIA. 12" C. TO C. IN TOP OF FOOTING 24" C. TO C. IN BOTTOM OF FOOTING					
SIZE	NUMBER	LENGTH	NUMBER	LENGTH	NUMBER	LENGTH	NUMBER	LENGTH	NUMBER	LENGTH	NUMBER	LENGTH	NUMBER	LENGTH	DOUBLE	TRIPLE			
4'	5/8" DIA.	8	7'-8"	8	7'-1"	8	6'-6"	8	5'-10"	8	5'-3"	4	5'-0"	20	4	4	4	14	14
		8	7'-8"	8	7'-1"	8	6'-6"	8	5'-10"	8	5'-3"	4	5'-0"	20	4	4	4	22'-8"	33'-6"
5'	5/8" DIA.	8	8'-8"	8	8'-1"	8	7'-5"	8	6'-10"	8	6'-2"	4	5'-6"	20	4	4	4	14	14
		8	8'-8"	8	8'-1"	8	7'-5"	8	6'-10"	8	6'-2"	4	5'-6"	20	4	4	4	23'-0"	33'-10"
6'	5/8" DIA.	8	9'-8"	8	9'-0"	8	8'-4"	8	7'-9"	8	7'-1"	4	6'-5"	24	4	4	4	14	14
		8	9'-8"	8	9'-0"	8	8'-4"	8	7'-9"	8	7'-1"	4	6'-5"	24	4	4	4	23'-0"	33'-10"
7'	5/8" DIA.	8	10'-8"	8	10'-0"	8	9'-4"	8	8'-8"	8	8'-0"	4	7'-4"	24	4	4	4	14	14
		8	10'-8"	8	10'-0"	8	9'-4"	8	8'-8"	8	8'-0"	4	7'-4"	24	4	4	4	23'-4"	34'-2"
8'	3/4" DIA.	8	11'-8"	8	11'-0"	8	10'-4"	8	9'-8"	8	9'-0"	4	8'-4"	28	4	4	4	14	14
		8	11'-8"	8	11'-0"	8	10'-4"	8	9'-8"	8	9'-0"	4	8'-4"	28	4	4	4	23'-6"	34'-6"
9'	3/4" DIA.	8	12'-8"	8	12'-0"	8	11'-4"	8	10'-8"	8	10'-0"	4	9'-4"	28	4	4	4	14	14
		8	12'-8"	8	12'-0"	8	11'-4"	8	10'-8"	8	10'-0"	4	9'-4"	28	4	4	4	23'-8"	34'-8"
10'	7/8" DIA.	8	13'-8"	8	13'-0"	8	12'-4"	8	11'-8"	8	11'-0"	4	10'-4"	32	4	4	4	14	14
		8	13'-8"	8	13'-0"	8	12'-4"	8	11'-8"	8	11'-0"	4	10'-4"	32	4	4	4	24'-0"	35'-0"
11'	7/8" DIA.	8	14'-8"	8	14'-0"	8	13'-4"	8	12'-8"	8	12'-0"	4	11'-4"	32	4	4	4	14	14
		8	14'-8"	8	14'-0"	8	13'-4"	8	12'-8"	8	12'-0"	4	11'-4"	32	4	4	4	24'-0"	35'-0"
12'	1" DIA.	16	17'-9"	16	17'-0"	16	15'-6"	16	14'-10"	16	14'-0"	4	12'-4"	36	4	4	4	14	14
		16	17'-9"	16	17'-0"	16	15'-6"	16	14'-10"	16	14'-0"	4	12'-4"	36	4	4	4	24'-3"	35'-3"



CLEAR SPAN	CLEAR HEIGHT	DIMENSIONS										CLEAR HEIGHT	CLEAR SPAN
		DESIGN 1		DESIGN 2		FOR ALL DESIGNS							
		H	W ₁	H	W ₁	M	W ₂	R DOUBLE	R TRIPLE	T ₃	X		
4'	5'-6"	3'-4"	5'-8 1/2"	3'-6 1/2"	10'-0"	2'-2"	23'-0"	33'-10"	10"	0	4'		
5'	6'-6"	3'-9 1/2"	6'-8 1/2"	4'-0"	11'-6"	2'-8 1/2"	23'-0"	33'-10"	10"	0	5'		
6'	7'-6"	4'-4 1/2"	7'-8 1/2"	4'-7"	13'-0"	3'-1 1/2"	23'-4"	34'-2"	10"	0	6'		
7'	8'-6 1/2"	4'-10"	8'-9"	5'-0 1/2"	14'-0"	3'-8 1/2"	23'-4"	34'-2"	10"	0	7'		
8'	9'-6 1/2"	5'-5"	9'-9"	5'-7 1/2"	15'-6"	4'-1 1/2"	23'-6"	34'-6"	12"	1'-0"	8'		
9'	10'-6 1/2"	6'-0 1/2"	10'-9 1/2"	6'-3 1/2"	17'-0"	4'-6"	23'-10"	34'-10"	12"	1'-6"	9'		
10'	11'-7"	6'-5 1/2"	11'-9 1/2"	6'-8"	18'-0"	5'-1 1/2"	24'-2"	35'-2"	12"	2'-0"	10'		
11'	12'-7"	7'-1"	12'-10"	7'-4"	19'-6"	5'-6"	24'-2"	35'-2"	12"	2'-6"	11'		
12'	13'-7"	7'-8"	13'-10"	7'-11"	21'-0"	5'-11"	24'-4"	35'-4"	12"	3'-0"	12'		



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD
REINFORCED CONCRETE BOX CULVERTS
DOUBLE 10' X 4' TO TRIPLE 10' X 12'
FOR DEPTHS OF FILL UP TO 20 FT.

NO SCALE
REV. & REDR. NOV., 2001

DES. (SUBMITTED) *James K. Baul* NUMBER
DRW. STATE ROAD & AIRPORT DESIGN ENGINEER 2327
TRA. (APPROVED) *James L. Bault* CHIEF ENGINEER SHEET 2 OF 2
CHK.



EFFINGHAM COUNTY
BOARD OF COMMISSIONERS
ENGINEERING DEPARTMENT
601 NORTH LAUREL STREET
SPRINGFIELD, GA 31329
PH: (912) 754-9860
FX: (912) 754-9869



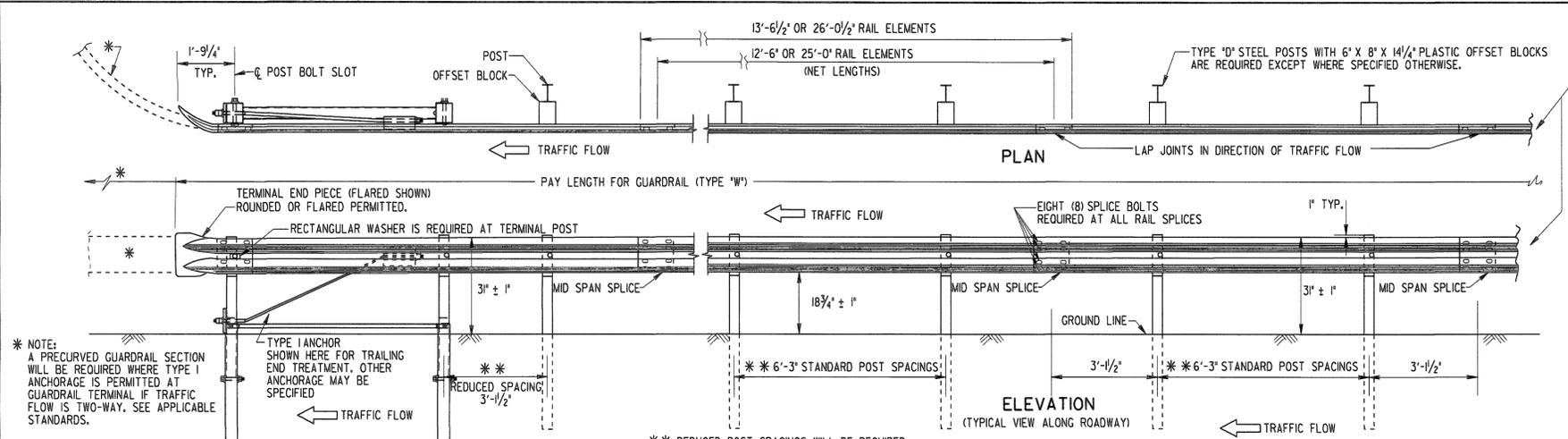
REVISIONS	DATE
NUMBER	

DESIGNED BY DCM	DRAWN BY DCM	CHECKED BY LCA	DATE 06/24/2018	JOB NO.	SCALE	NONE
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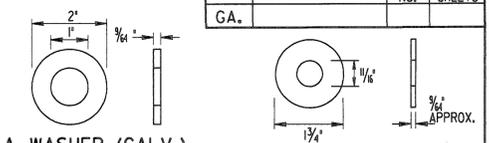
HONEY RIDGE ROAD BRIDGE REPLACEMENT
PREPARED FOR
EFFINGHAM COUNTY BOARD OF COMMISSIONERS
WINGWALLS AND PARAPET

SHEET NUMBER

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SEE SEPARATE STANDARD OR OTHER DETAILS FOR REQ'D. ANCHORAGES.



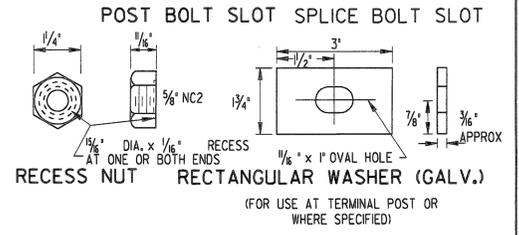
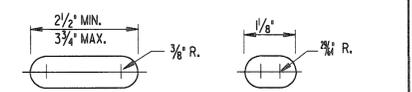
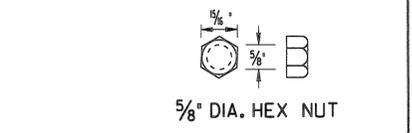
TYPE A WASHER (GALV.)
IF SLOTS IN SPECIAL END SHOE ARE 3" LONG TP, A WASHERS ARE REQ'D UNDER SPLICE BOLT HEADS & UNDER NUTS WITH 2" LONG SPLICE BOLTS. IF END SHOE SLOTS ARE 1/8" LONG, USE NORMAL SPLICE CONNECTIONS

STEEL WASHER (GALV.)
(REQ'D UNDER 5/8" HEX NUTS AND AS SPECIFIED)

SPECIAL NOTE:
ALL GUARDRAIL SPLICES WILL BE PROPERLY SECURED WITH EIGHT SPLICE BOLT CONNECTIONS. ALL NUTS WILL BE TIGHTENED. LOOSE NUTS, OMITTED BOLTS, OR OMITTED NUTS WILL BE CAUSE FOR REJECTION.

GUARDRAIL NOT ERECTED AT A 3" TOP OF RAIL HEIGHT MAY BE CAUSE FOR REJECTION.

L	THREAD LENGTH
1/4"	FULL LENGTH
2"	1/2" MIN.
9/2"	1 1/4" MIN.



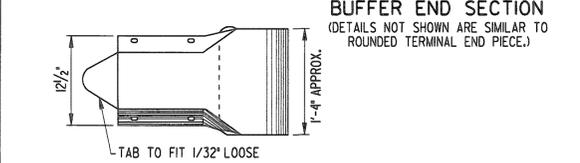
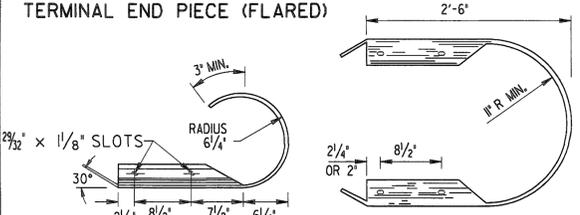
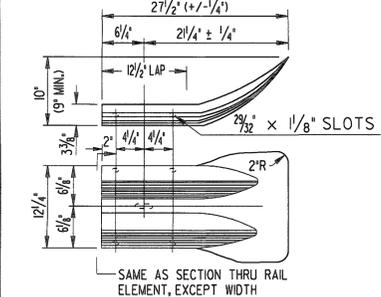
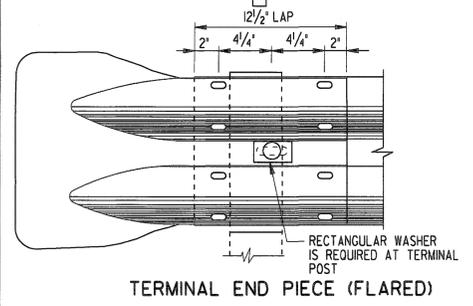
BUTTON HEAD (OR SPLICE) BOLT
(8 REQ'D PER SPLICE)

- GENERAL NOTES:**
- SPECIFICATIONS: GEORGIA STANDARD CURRENT EDITION, AND SUPPLEMENTS THERETO.
 - NUTS, BOLTS, WASHERS, RAIL, TERMINAL SECTIONS, END SHOES, BACK-UP PLATES, END SECTIONS AND OTHER GUARDRAIL HARDWARE ARE IN ACCORDANCE WITH THE CURRENT ARTBA TECHNICAL BULLETIN NO. 268 -- UNLESS SPECIFIED OTHERWISE, DIMENSIONS FOR POSTS AND OFFSET BLOCKS WILL BE ACCORDING TO GA STANDARD 4381.
 - FOR DETAILS OF GUARDRAIL ANCHORAGES, SEE APPLICABLE STANDARDS AND/OR CONSTRUCTION DETAILS.
 - FOR LOCATION OF GUARDRAIL SEE APPLICABLE LOCATION STANDARDS.
 - ALL STEEL HARDWARE COMPONENTS WILL BE GALVANIZED AFTER FABRICATION. GALVANIZING REPAIR COMPOUND (SEC. 645) WILL BE FIELD APPLIED TO ANY COATINGS DAMAGED.
 - WHEN GUARDRAIL IS REQUIRED ON CURVES WITH RADII LESS THAN 150', PRECURVED RAIL WILL BE REQUIRED.
 - PAYMENT FOR GUARDRAIL (Type "W") TO INCLUDE OFFSET BLOCKS, POST, BACK-UP PLATES WHERE REQUIRED, BOLTS, NUTS, WASHERS, TERMINAL SECTIONS, ADDITIONAL POST WHERE REQUIRED, LEAVE-OUTS INCLUDING GROUT WHERE REQUIRED, & REMOVAL AND REPLACEMENT OF PORTIONS OF MEDIAN PAVING, SPILLWAYS, OR CATCH BASINS WHERE NECESSARY.
 - ALL DIMENSIONS ARE SUBJECT TO MANUFACTURING TOLERANCES.
 - STANDARD NET LENGTH OF RAIL ELEMENTS MAY BE EITHER 12'-6" OR 25'-0". THESE LENGTHS SHALL BE ARRANGED TO PROVIDE AS NEARLY AS POSSIBLE THE REQUIRED LENGTH FOR EACH INSTALLATION.

* NOTE: A PRECURVED GUARDRAIL SECTION WILL BE REQUIRED WHERE TYPE I ANCHORAGE IS PERMITTED AT GUARDRAIL TERMINAL IF TRAFFIC FLOW IS TWO-WAY. SEE APPLICABLE STANDARDS.

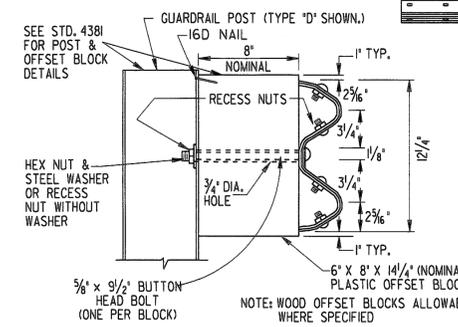
* TYPE I ANCHOR SHOWN HERE FOR TRAILING END TREATMENT. OTHER ANCHORAGE MAY BE SPECIFIED

** REDUCED POST SPACINGS WILL BE REQUIRED AT TURNOUTS AROUND RADII, AT REDUCED OFFSETS TO FACE OF FIXED OBJECTS OR AT OTHER SPECIFIED LOCATIONS. SEE PLAN DETAILS OR APPLICABLE STANDARDS. PAYMENT FOR GUARDRAIL WILL INCLUDE THE ADDITIONAL POSTS REQUIRED.

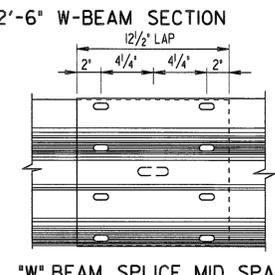


TERMINAL END PIECE (ROUNDED)

SECTION THROUGH RAIL ELEMENT

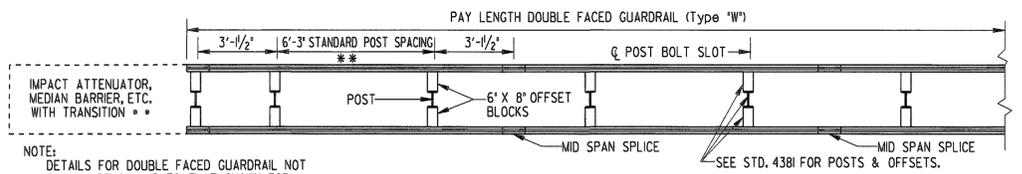


"W" BEAM OFFSET BLOCK DETAIL
NOTE: OFFSET BLOCKS FOR "W" BEAM GUARDRAIL WILL BE PLASTIC EXCEPT WHERE SPECIFIED OTHERWISE.

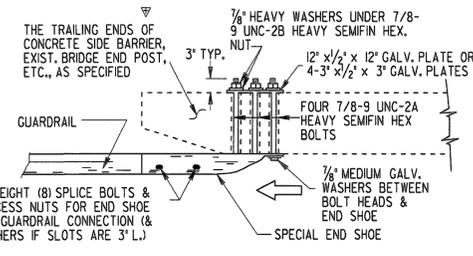


"W" BEAM SPLICE MID SPAN
NOTE: EIGHT (8) SPLICE BOLTS REQUIRED AT ALL RAIL SPLICES

NOTE: UNLESS SPECIFIED OTHERWISE, ALL REFERENCES TO GUARDRAIL ON STANDARDS AND/OR CONSTRUCTION DETAILS WILL MEAN "W" BEAM GUARDRAIL AS SHOWN ON THIS STANDARD.



DOUBLE FACED GUARDRAIL (Type "W")



TYPICAL END SHOE CONNECTION
NOTE: THE "W" BEAM RAIL ELEMENT/END SHOE SPLICE SHALL BE LAPPED IN THE DIRECTION OF THE NEAREST TRAFFIC.

1/2" GALVANIZED STEEL PLATE

(TO BE USED WITH SPECIAL END SHOE CONNECTION UNDER NUTS & WASHERS ON BACK OF BRIDGE END POST OR BACK OF CONCRETE SIDE BARRIER) (FOUR 3" x 1/2" x 3" GALV. PLATES WITH 1" DIA. HOLE CENTERED, MAY BE USED AS AN ALTERNATE)

* "W" BEAM END CONNECTIONS ARE NOT PERMITTED AT APPROACHES TO CONCRETE STRUCTURES. SEE SEPARATE STANDARDS FOR REQUIRED "I" BEAM CONNECTIONS.

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

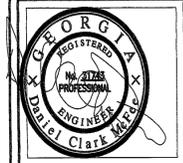
STANDARD
"W" BEAM GUARDRAIL
31 INCH GUARDRAIL HEIGHT

NO SCALE
AUGUST 2011

DES. G.L.O. (SUBMITTED) *[Signature]*
DRW. G.L.O.
CHK. B.B.E. (APPROVED) *[Signature]*
REVIEW B.A.S. *[Signature]*

STATE DESIGN POLICY ENGINEER
CHEP ENGINEER

NUMBER
4380



EFFINGHAM COUNTY BOARD OF COMMISSIONERS ENGINEERING DEPARTMENT
PH: (912) 754-6080
FX: (912) 754-9959
801 NORTH LAUREL STREET
SPRINGFIELD, GA 31329



DESIGNED BY	DATE	SCALE	NONE
DRAWN BY			
CHECKED BY			
DATE	08/24/2018		
JOB NO.			

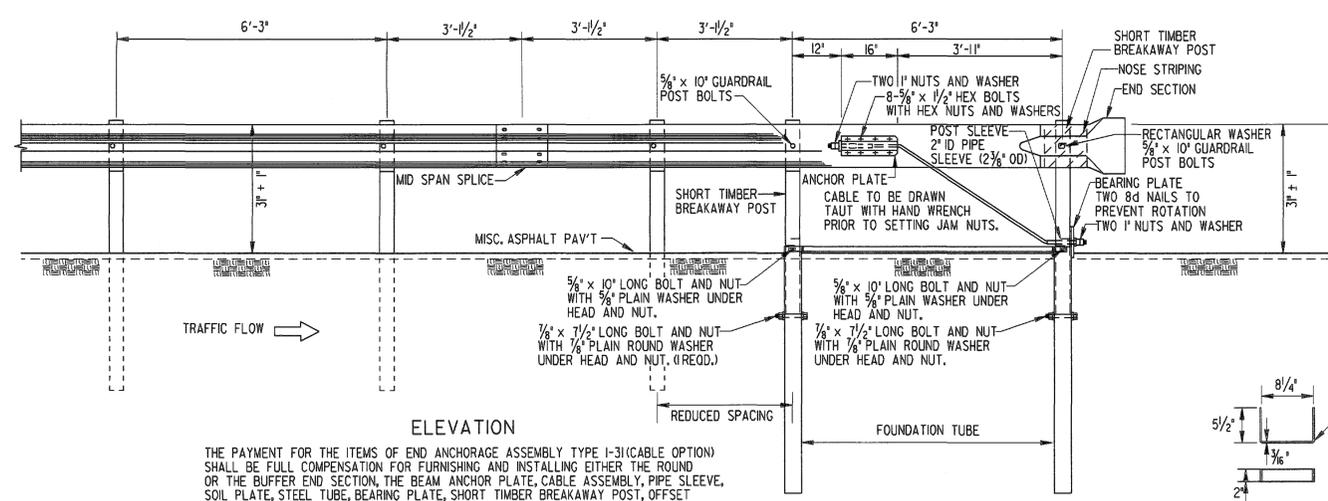
HONEY RIDGE ROAD BRIDGE REPLACEMENT
PREPARED FOR:
EFFINGHAM COUNTY BOARD OF COMMISSIONERS
GUARDRAIL DETAIL

SHEET NUMBER

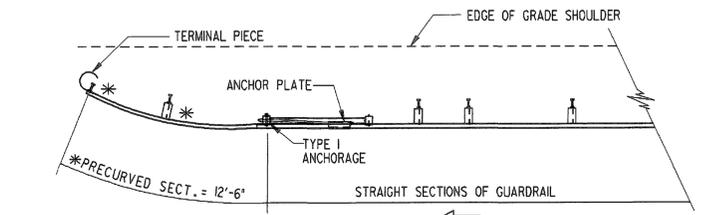
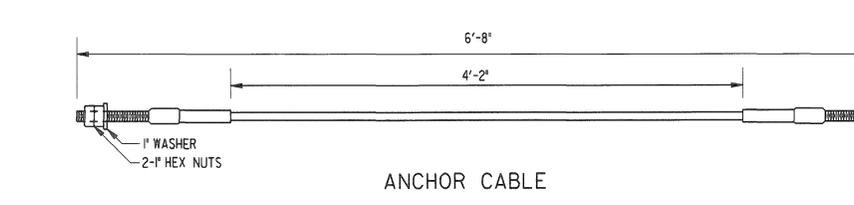
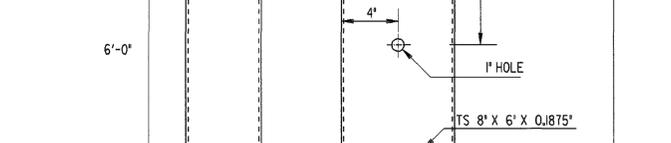
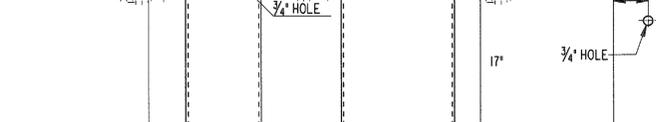
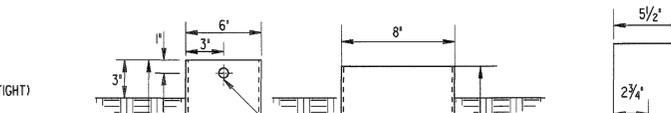
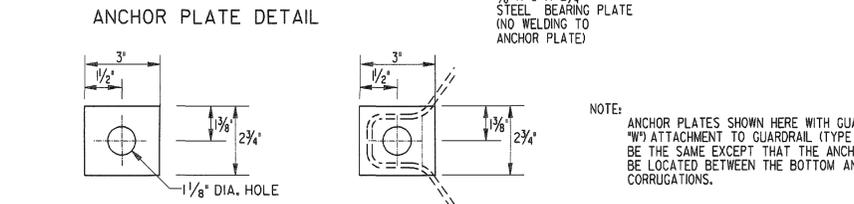
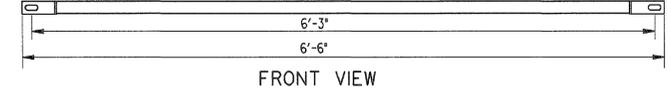
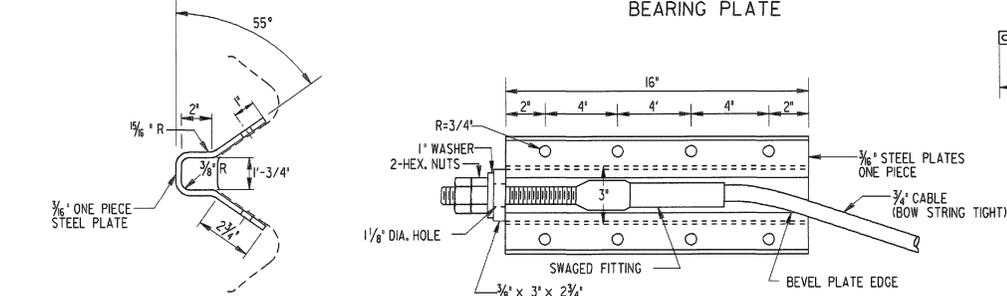
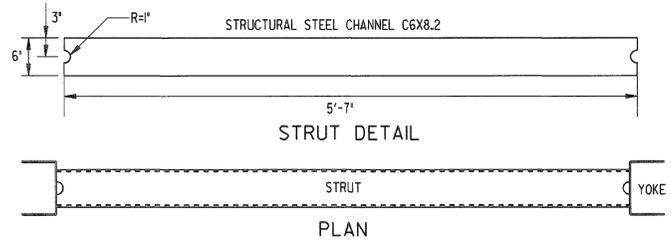
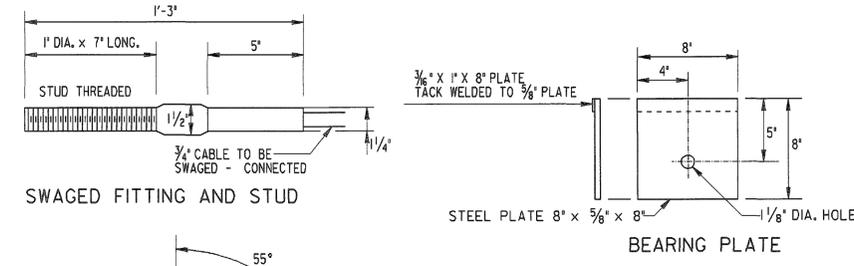
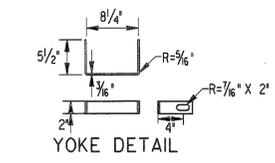
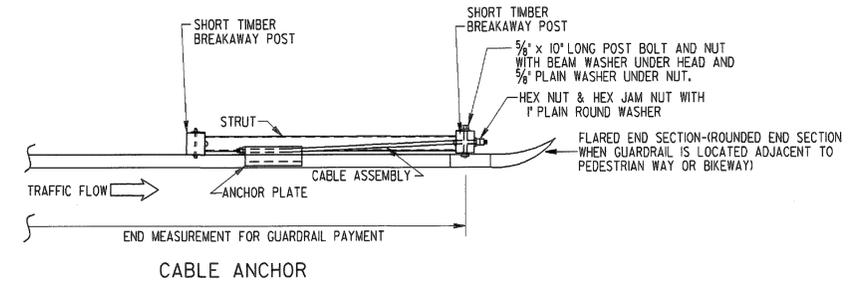
8 OF 12

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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

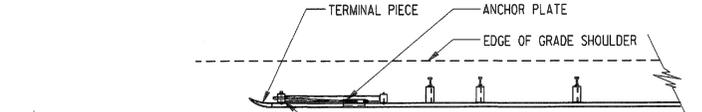


THE PAYMENT FOR THE ITEMS OF END ANCHORAGE ASSEMBLY TYPE I-31(CABLE OPTION) SHALL BE FULL COMPENSATION FOR FURNISHING AND INSTALLING EITHER THE ROUND OR THE BUFFER END SECTION, THE BEAM ANCHOR PLATE, CABLE ASSEMBLY, PIPE SLEEVE, SOIL PLATE, STEEL TUBE, BEARING PLATE, SHORT TIMBER BREAKAWAY POST, OFFSET BLOCKS AND THE NECESSARY HARDWARE.



* PRECURVED SECTION SHALL UTILIZE POST OF THE SAME LENGTH AS REQUIRED FOR THE ADJOINING STRAIGHT SECTIONS, REGARDLESS OF DISTANCE TO GRADED SHOULDER EDGE.

AT TRAILING END OF TWO-WAY TRAFFIC (WHICH FALLS OUTSIDE CLEAR ZONE OF OPPOSING TRAFFIC)



NOTE: SEE STD. 4388 OR OTHER APPLICABLE DETAILS FOR REQUIREMENT FOR TYPE 12 ANCHORAGE ON THE TRAILING END.

GENERAL NOTES:
 1. SPECIFICATIONS: GEORGIA STANDARD, CURRENT EDITION & SUPPLEMENTS THERE TO.
 2. FOR DETAILS OF GUARDRAIL HARDWARE, POST, OTHER TYPE ANCHORAGE, LOCATION, ETC. SEE SEPARATE STANDARDS AS APPLICABLE.
 3. GUARDRAIL INSTALLATIONS, INCLUDING ANCHORAGES AND CONNECTIONS, ARE TO BE COMPLETED BEFORE BEING SUBJECT TO TRAFFIC UNLESS OTHERWISE APPROVED.
 4. PAYMENT FOR ANCHORAGE INCLUDES ANCHOR PLATE; 3/4" CABLE; BREAKAWAY POSTS; FOUNDATION TUBES; STRUT AND ALL ACCOMPANYING HARDWARE.

DATE		DEPARTMENT OF TRANSPORTATION	
REVISION		STATE OF GEORGIA	
		STANDARD	
		GUARDRAIL ANCHORAGE TYPE I	
		31 INCH GUARDRAIL HEIGHT	
NO SCALE		AUGUST 2011	
DES. BY	G.L.O. (SUBMITTED)	NUMBER	4383
DRW. BY	G.L.O. (STATE DESIGN POLICY ENGINEER)		
CHK. BY	B.B.E. (APPROVED)		
REVIEW BY	D. M. R. (CHIEF ENGINEER)		



EFFINGHAM COUNTY
 BOARD OF COMMISSIONERS
 ENGINEERING DEPARTMENT
 801 NORTH LAUREL STREET
 SPRINGFIELD, GA 31329
 PH: (912) 754-8080
 FX: (912) 754-9999



REVISIONS	DATE		
NUMBER			

DESIGNED BY DCM	CHECKED BY LCA	DATE	SCALE	NONE
		08/24/2011		

HONEY RIDGE ROAD BRIDGE REPLACEMENT
 PREPARED FOR:
 EFFINGHAM COUNTY BOARD OF COMMISSIONERS
 GUARDRAIL ANCHORAGE TYPE I

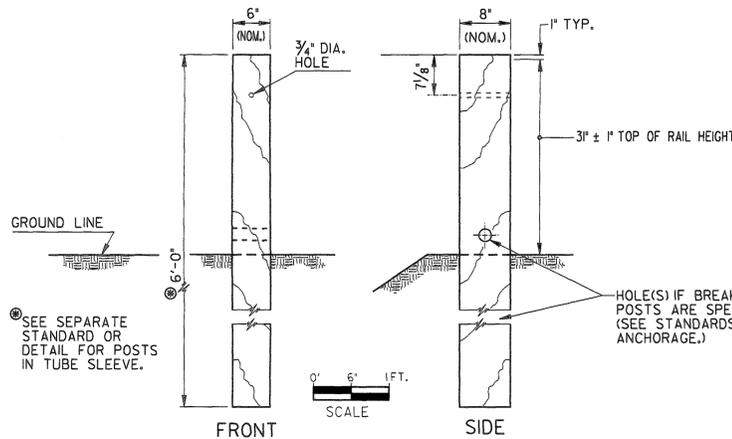
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9 OF 12

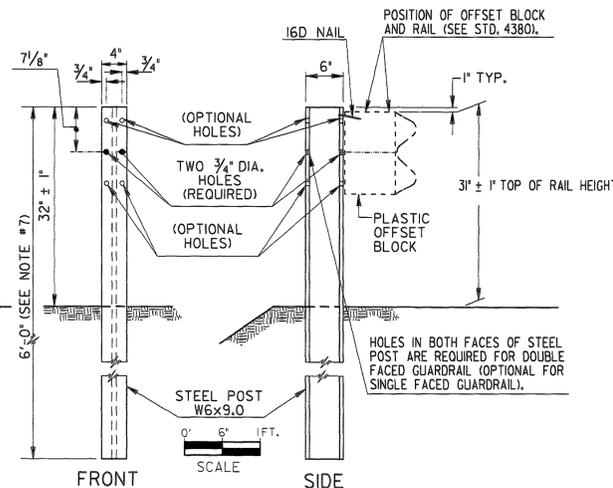
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STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.			

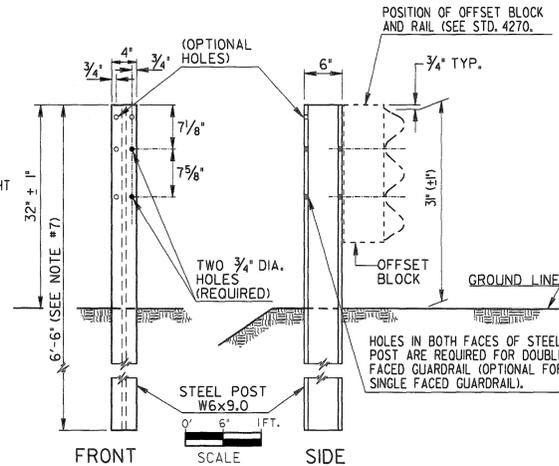
TYPE A WOOD POST (FOR "W" BEAM GUARDRAIL)
NOTE: WOOD POST ARE ALLOWABLE ONLY WHERE SPECIFIED.



TYPE D STEEL POST (FOR "W" BEAM GUARDRAIL)

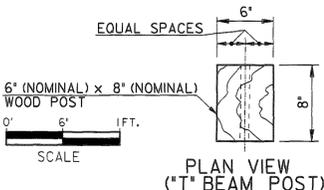


TYPE D-T STEEL POST (FOR "T" BEAM GUARDRAIL)



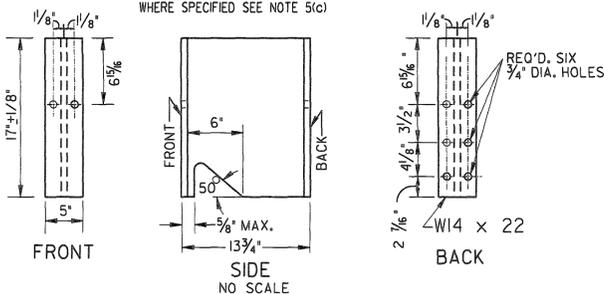
GENERAL NOTES:

- SPECIFICATIONS GEORGIA STANDARD, CURRENT EDITION AND SUPPLEMENTS THERETO.
- STEEL POSTS MAY BE EITHER ROLLED OR WELDED STRUCTURAL SHAPES. STEEL OFFSET BLOCKS SHALL BE ROLLED. WELDED POSTS SHALL BE SEAL WELDED BETWEEN WEB AND FLANGE BEFORE GALVANIZING.
- WHERE WOOD POST OR WOOD OFFSET BLOCKS ARE PERMITTED, THE WOOD SHALL BE TREATED IN ACCORDANCE WITH GEORGIA STANDARD SPECIFICATIONS.
- ALL BOLTS USED FOR FASTENING THE RAIL AND OFFSET BLOCKS TO WOOD POSTS SHALL HAVE SUFFICIENT LENGTH TO EXTEND AT LEAST 1/4" BEYOND THE FULL NUT, UP TO 3" BEYOND.
- (a) "W" BEAM GUARDRAIL: ALL OFFSET BLOCKS SHALL BE 8" DEPTH PLASTIC BLOCKS EXCEPT FOR (d) BELOW.
(b) "T" BEAM GUARDRAIL: STANDARD INSTALLATION WILL USE 8" DEPTH PLASTIC BLOCKS UNLESS OTHERWISE APPROVED.
(c) 13 3/4" DEPTH MODIFIED STEEL OFFSETS MAY BE SPECIFIED WHERE JUSTIFIED FOR MORE SEVERE CONDITIONS. PAY ITEM IS --GUARDRAIL, TP T, MODIFIED OFFSET BLOCK--PER LIN. FT.
(d) WOOD OFFSET BLOCKS MAY BE USED ONLY AT AN ISOLATED LOCATION WITHIN A RUN OF GUARDRAIL, WHERE OTHER BLOCK TYPES WOULD NOT PROVIDE PROPER FIT, AS DETERMINED BY THE ENGINEER OR SHOWN IN THE PLANS.
- POSTS WILL BE SPACED AT 6'-3" C. TO C., UNLESS OTHERWISE NOTED.
- ADDITIONAL LENGTH POSTS, WHERE SPECIFIED, SHALL BE 7'-0" AND 7'-6" LONG FOR "W" BEAM AND "T" BEAM GUARDRAILS RESPECTIVELY, WITH HOLES DIMENSIONED FROM THE POST-TOP THE SAME AS SHOWN.
- 9'-0" POST REQUIRED IF GUARDRAIL INSTALLED ON A 2:1 SLOPE.
- GROUT FILL SHALL BE A CONTROLLED LOW STRENGTH FLOWABLE FILL THAT HAS A MAXIMUM 28-DAY COMPRESSIVE STRENGTH OF 100 P.S.I. ACCORDING TO SPEC. 600.

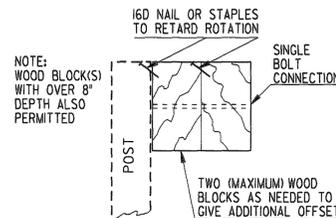


MODIFIED STEEL OFFSET BLOCK FOR "T" BEAM GUARDRAIL

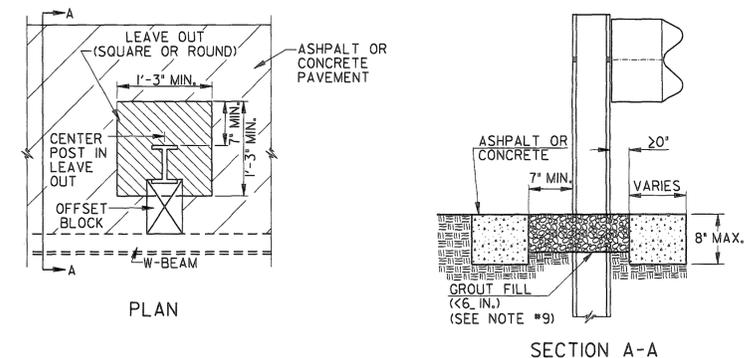
NOTE: MODIFIED STEEL OFFSET BLOCK ARE USED ONLY WHERE SPECIFIED SEE NOTE 5(c)



ADDITIONAL DEPTH OFFSET BLOCKOUTS (FOR USE WHERE GREATER THAN STANDARD OFFSET IS SPECIFIED)



GUARDRAIL POST DETAILS IN ASPHALT OR CONCRETE PAVEMENT APPLICATIONS

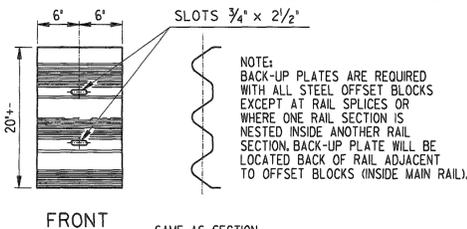


WOOD POSTS AND WOOD OFFSET BLOCKS MAY BE ROUGH OR SURFACED.

DIMENSIONS FOR WOOD POSTS AND WOOD OFFSET BLOCKS ARE NOMINAL IN ACCORDANCE WITH ACCEPTED LUMBER INDUSTRY STANDARDS.

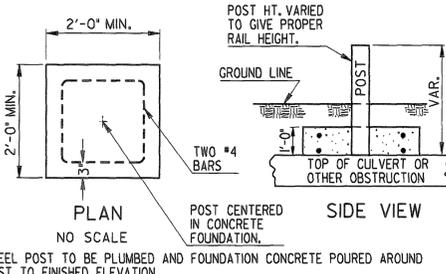
NOTE: WHERE WOOD OFFSET BLOCK ON STEEL POST IS PERMITTED IN "W" BEAM INSTALLATION, A NAIL OR SCREW FROM POST TO WOOD IS REQUIRED TO PREVENT ROTATION OF THE BLOCK.

BACK-UP PLATE (FOR "T" BEAM GUARDRAIL)



CONCRETE FOUNDATION FOR POST IN SHALLOW FILLS OVER CULVERTS OR OTHER OBSTRUCTIONS

(NOTE: PLATE MOUNTED POST MAY BE USED AS AN ALTERNATE, SEE SEPARATE SHEET).

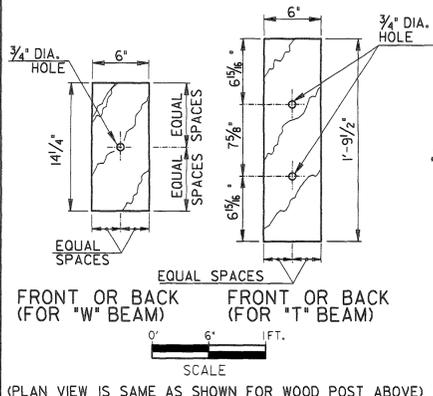


STEEL POST TO BE PLUMBED AND FOUNDATION CONCRETE POURED AROUND POST TO FINISHED ELEVATION.

PAYMENT FOR GUARDRAIL TO INCLUDE ALL EXTRA WORK AND MATERIALS INCLUDING CONCRETE (CL. A OR CL. B) AND NO. 4 BARS.

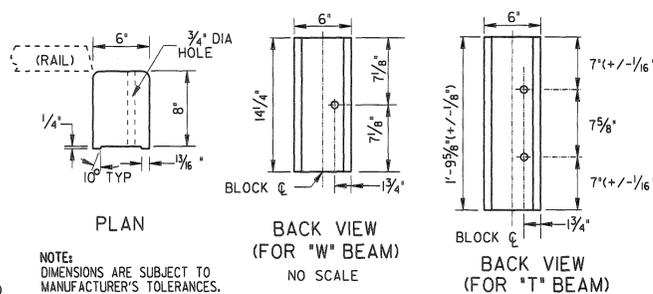
IF OFFSET FROM RAIL FACE TO HEADWALL IS LESS THAN 4'-3", POST SPACINGS ARE REDUCED TO 3'-1/2" C.C. ACROSS THE CULVERT WITH 7 SUCH SPACINGS IN ADVANCE AT NO ADDITIONAL PAYMENT.

WOOD OFFSET BLOCKS (WHERE PERMITTED, SEE NOTE 5(d))

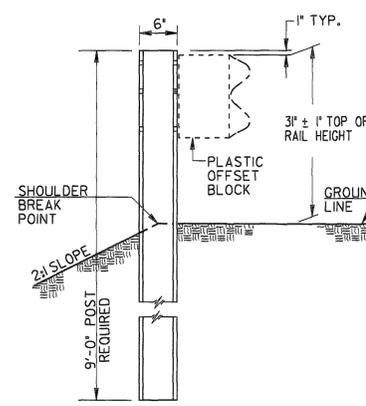


STANDARD PLASTIC OFFSET BLOCKS

NOTE: PLASTIC OFFSET BLOCKS SHALL BE OF TYPE LISTED IN GA. DOT OPI. OF APPROVED PRODUCTS OR PER STANDARD SPECIFICATIONS.



2:1 SLOPE DETAIL



DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA

STANDARD POSTS AND OFFSET BLOCKS FOR "W" & "T" BEAM GUARDRAIL 3 INCH GUARDRAIL HEIGHT

REV. #	DATE	DESCRIPTION
1	1-29-16	REV. #10M BLOCK TO 8" DEPTH
2	1-29-16	ADDED MOW STRIP/GRD PAV. INSTALLATION DETAILS
3	1-29-16	REVISION

SCALE: AS SHOWN	AUGUST 2011
DES. G.L.O. (SUBMITTED) <i>[Signature]</i>	NUMBER 4381
DRW. G.L.O. STATE DESIGN POLICY ENGINEER	
CHK. B.R.E. (APPROVED) <i>[Signature]</i>	
REVIEW B.A.S. CHIEF ENGINEER	



EFFINGHAM COUNTY BOARD OF COMMISSIONERS
ENGINEERING DEPARTMENT
PH: (912) 754-9090
FX: (912) 754-9959
801 NORTH LAUREL STREET
SPRINGFIELD, GA 31329



REVISIONS	NUMBER	DATE

DESIGNED BY DCM	CHECKED BY LCA	DATE 08/24/2016	JOB NO.	SCALE	NONE
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HONEY RIDGE ROAD BRIDGE REPLACEMENT
PREPARED FOR: **EFFINGHAM COUNTY BOARD OF COMMISSIONERS**
GUARDRAIL POSTS

EROSION AND SEDIMENT NARRATIVE NOTES:

1. DESCRIPTION: THIS SITE IS LOCATED IN HONEY RIDGE ROAD 1.1 MILES WEST OF ITS INTERSECTION OF STATE HIGHWAY 17 IN THE COMMUNITY OF PINORA. THE SITE WILL HAVE A DISTURBED AREA OF APPROXIMATELY 3600 SQUARE FEET (60' X 60'). THE PROJECT IS TO REMOVE THE EXISTING CONCRETE BRIDGE AND REPLACE IT WITH A TRIPLE 10' BY 5' BOX CULVERT 38' IN LENGTH BETWEEN THE PAVEMENT WALLS. HONEY RIDGE ROAD WILL BE CLOSED TO ALL TRAFFIC DURING CONSTRUCTION.

2. ADJACENT PROPERTY:
 NORTH: WETLAND WITH WOODLANDS
 SOUTH: WETLAND WITH WOODLANDS
 WEST: RESIDENCE WITH SURROUNDING WOODLANDS
 EAST: WOODLANDS

3. ZONING: THIS PROJECT IS WHOLLY CONTAINED WITHIN THE EFFINGHAM COUNTY RIGHT-OF-WAY.

4. SOILS, TOPOGRAPHIC AND DRAINAGE INFORMATION: FOR INFORMATION REGARDING THE SOILS, TOPOGRAPHIC AND DRAINAGE INFORMATION PLEASE REFERENCE THE PAVING, GRADING, AND DRAINAGE PLAN, AND THE SOIL EROSION PLAN OF THE CONSTRUCTION DRAWINGS.

5. VEGETATION: VEGETATION IS LIMITED TO THE GRASSES ON THE ROADWAY BANK. ANY SUITABLE TOP SOIL WILL BE STOCKPILED ON SITE AND LATER SPREAD IN PROPOSED VEGETATIVE AREAS.

6. BUFFER REQUIREMENTS: AS REQUIRED BY ARTICLES 15 AND 16 OF SECTION 12-7-8 OF THE "GEORGIA EROSION AND SEDIMENTATION ACT OF 1979", THERE IS ESTABLISHED A 25 FOOT BUFFER ALONG THE BANKS OF ALL STATE WATERS, AS MEASURED HORIZONTALLY FROM THE POINT WHERE VEGETATION HAS BEEN WRESTED BY NORMAL STEAM FLOW OR WAVE ACTION, EXCEPT WHERE THE DIRECTOR DETERMINES TO ALLOW A VARIANCE THAT IS AT LEAST AS PROTECTIVE OF THE NATURAL RESOURCES AND THE ENVIRONMENT, WHERE OTHERWISE ALLOWED BY THE DIRECTOR PURSUANT TO OCGA 12-2-8, OR WHERE A DRAINAGE STRUCTURE OR ROADWAY DRAINAGE STRUCTURE MUST BE CONSTRUCTED, PROVIDED THAT ADEQUATE EROSION CONTROL MEASURES ARE INCORPORATED IN THE PROJECT PLANS AND SPECIFICATIONS AND ARE IMPLEMENTED.

7. EROSION CONTROL PROGRAM: CLEARING WILL BE KEPT TO AN ABSOLUTE MINIMUM. VEGETATION AND MULCH WILL BE APPLIED TO APPLICABLE AREAS IMMEDIATELY AFTER GRADING IS COMPLETED. GRAVEL WILL BE APPLIED TO PARKING AREAS AND ROADWAYS AS SOON AS GRADING IS COMPLETED. LAND-DISTURBING WILL BE SCHEDULED TO LIMIT EXPOSURE OF BARE SOILS TO EROSION ELEMENTS. STORM WATER MANAGEMENT STRUCTURES WILL BE EMPLOYED TO PREVENT EROSION IN AREAS OF CONCENTRATED WATER FLOWS. EROSION AT

8. SEDIMENT CONTROL PROGRAM: SEDIMENT CONTROL WILL BE ACCOMPLISHED BY THE INSTALLATION OF 500 LINEAR FEET OF SEDIMENT FENCE. ADDITIONALLY, TWO CONSTRUCTION EXITS SHALL BE INSTALLED TO PREVENT THE TRANSPORT OF SEDIMENT FROM THE SITE BY VEHICULAR TRAFFIC. SEDIMENT WILL BE STORED IN THE SUMP PROVIDED IN THE CONSTRUCTION AREA.

9. STANDARDS AND SPECIFICATIONS: ALL DESIGNS WILL CONFORM TO AND ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE PUBLICATION ENTITLED, "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".

10. SAFETY PROTECTION: CONSTRUCTION ACTIVITIES WILL BE PERFORMED IN COMPLIANCE WITH ALL APPLICABLE LAWS, RULES AND REGULATIONS. THE SEDIMENT BASINS WILL BE

11. MAINTENANCE PROGRAM: SEDIMENT AND EROSION CONTROL MEASURES WILL BE INSPECTED DAILY. ANY DAMAGES OBSERVED WILL BE REPAIRED BY THE END OF THAT DAY. CLEANOUT OF SEDIMENT CONTROL STRUCTURES WILL BE ACCOMPLISHED IN ACCORDANCE WITH THE SPECIFICATIONS AND SEDIMENT DISPOSAL ACCOMPLISHED BY SPREADING ON THE SITE. BARRIERS WILL REMAIN IN PLACE UNTIL SEDIMENT CONTRIBUTING AREAS ARE STABILIZED. THE SEDIMENT FENCES, AND THE BARRIERS WILL THEN BE REMOVED AND THE AREAS OCCUPIED BY THESE AREAS WILL THEN BE VEGETATED. GUIDELINES FOR THE MAINTENANCE OF ESTABLISHED VEGETATION WILL BE PROVIDED TO THE OWNER WHEN ALL DISTURBED AREAS ARE STABILIZED.

SEEDING RATES FOR TEMPORARY & PERMANENT COVER

MONTH	TEMPORARY COVER	RATES PER ACRE		PERMANENT COVER	RATES PER ACRE	
		SEEDED ALONE	ADDED TO MIX		SEEDED ALONE	ADDED TO MIX
JANUARY	RYEGRASS RYE	40 lbs. 3 bu.	.5 bu.	UNHULLED BERMUDEA SERICEA LESPEDEZA	10 lbs. 75 lbs.	6 lbs. -
FEBRUARY	ANNUAL LESPEDEZA RYEGRASS RYE	40 lbs. 40 lbs. 3 bu.	10 lbs. -.5 bu.	UNHULLED BERMUDEA SERICEA LESPEDEZA	10 lbs. 75 lbs.	6 lbs. -
MARCH	WEeping LOVEGRASS ANNUAL LESPEDEZA	4 lbs. 40 lbs.	4 lbs. 40 lbs.	PENSACOLA BAHIA HULLED BERMUDEA SERICEA LESPEDEZA	60 lbs. 10 lbs. 60 lbs.	30 lbs. 8 lbs. -
APRIL	WEeping LOVEGRASS SUDANGRASS BROWN TOP MILLET	4 lbs. 80 lbs. 40 lbs.	4 lbs. 80 lbs. 40 lbs.	PENSACOLA BAHIA WEeping LOVEGRASS HULLED BERMUDEA SERICEA LESPEDEZA	60 lbs. 6 lbs. 10 lbs. 60 lbs.	30 lbs. 6 lbs. 6 lbs. -
MAY	WEeping LOVEGRASS SUDANGRASS BROWN TOP MILLET PEARL MILLET	4 lbs. 60 lbs. 40 lbs. 50 lbs.	4 lbs. 60 lbs. 40 lbs.	PENSACOLA BAHIA WEeping LOVEGRASS HULLED BERMUDEA SERICEA LESPEDEZA	60 lbs. 6 lbs. 10 lbs. 60 lbs.	30 lbs. 6 lbs. 6 lbs. -
JUNE	PEARL MILLET SUDANGRASS BROWN TOP MILLET	50 lbs. 60 lbs. 40 lbs.	50 lbs. 60 lbs. 40 lbs.	PENSACOLA BAHIA HULLED BERMUDEA	60 lbs. 10 lbs.	30 lbs. 6 lbs.
JULY	PEARL MILLET SUDANGRASS BROWN TOP MILLET	50 lbs. 60 lbs. 40 lbs.	50 lbs. 60 lbs. 40 lbs.	PENSACOLA BAHIA	60 lbs.	30 lbs.
AUGUST	PEARL MILLET RYE	50 lbs. 3 bu.	50 lbs. 3 bu.	PENSACOLA BAHIA	60 lbs.	30 lbs.
SEPTEMBER	RYEGRASS OATS WHEAT	40 lbs. 3 bu. 3 bu.	40 lbs. 3 bu. 3 bu.	SERICEA LESPEDEZA	75 lbs.	-
OCTOBER	RYEGRASS OATS WHEAT RYE BARLEY	3 bu. 40 lbs. 3 bu. 3 bu. 4 bu.	3 bu. 40 lbs. 3 bu. 3 bu. 4 bu.	SAME AS SEPTEMBER	SAME AS SEPTEMBER	SAME AS SEPTEMBER
NOVEMBER	SAME AS OCTOBER	SAME AS OCTOBER	SAME AS OCTOBER	SAME AS SEPTEMBER	SAME AS SEPTEMBER	SAME AS SEPTEMBER
DECEMBER	SAME AS OCTOBER	SAME AS OCTOBER	SAME AS OCTOBER	SAME AS SEPTEMBER	SAME AS SEPTEMBER	SAME AS SEPTEMBER

NOTES

- UNSCARIFIED
- SCARIFIED
- CENTIPEDDE SOD CAN BE USED AS PERMANENT COVER ANYTIME EXCEPT JUNE THROUGH OCTOBER.
- LISTED IN ORDER OF PREFERENCE.
- ALL PERMANENT GRASS PLANTINGS SHALL BE MULCHED.

Ds2-Ds3 NOTES:

- Ds2** - 1. A TEMPORARY GRASSING OF BROWN TOP MILLET SHALL BE APPLIED AT A RATE OF 40 LBS PER ACRE TO DISTURBED AREAS WITHIN 14 DAYS OF DISTURBANCE.
 2. A 6-12-12 FERTILIZER SHALL BE USED ON THE DISTURBED AREA OF Ds2 AND SHALL BE APPLIED AT A RATE OF 1500 LBS. PER AC.

- Ds3** - 1. A PERMANENT GRASSING OF PENSACOLA BAHIA SHALL BE APPLIED AT A RATE OF 80 LBS. PER ACRE IF A HYDRAULIC SEEDER IS TO BE USED, REFER TO THE EROSION AND SEDIMENT CONTROL MANUAL FOR FURTHER DIRECTION ON THE METHOD OF APPLICATION.
 2. A 6-12-12 FERTILIZER SHALL BE USED ON THE DISTURBED AREA OF Ds3 AND SHALL BE APPLIED AT RATE OF 1500 LBS. PER AC.
 3. DRIED STRAW OR DRY HAY SHALL BE USED FOR MULCHING AND APPLIED AT A RATE OF 2 TONS PER ACRE. MULCH WILL BE SPREAD UNIFORMLY WITHIN 24 HOURS AFTER SEEDING. THE MULCH MAY BE SPREAD BY BLOWER-TYPE SPREADING EQUIPMENT, OTHER SPREADING EQUIPMENT OR BY HAND. MULCH SHALL BE APPLIED TO COVER 75% OF THE SOIL SURFACE.

12. 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.
 13. MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL PRATICES, WHETHER TEMPORARY OR PERMANENT, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE OWNER.
 14. THE TOTAL SITE ACREAGE FOR THIS PROJECT IS 0.5 ACRES. THE TOTAL DISTURBED AREA IN THIS PROJECT IS 0.1 ACRES.
 15. ACCORDING TO FIRM FLOOD INSURANCE RATE MAP, COMMUNITY NO. 130076, PANEL NO. 0245E, DATED MARCH 18, 2015, THIS SITE IS LOCATED IN ZONE A.

16. THE POINT OF CONTACT FOR CIVIL SITE WORK FOR THIS PROJECT IS:

EFFINGHAM COUNTY ENGINEERING DEPARTMENT
 601 NORTH LAUREL STREET
 SPRINGFIELD, GEORGIA 31329
 (912) 754-2141

17. DEVELOPER/OWNER:

EFFINGHAM COUNTY BOARD OF COMMISSIONERS
 601 NORTH LAUREL STREET
 SPRINGFIELD, GEORGIA 31329
 (912) 754-2111

18. PRIMARY PERMITTEE:

EFFINGHAM COUNTY BOARD OF COMMISSIONERS
 601 NORTH LAUREL STREET
 SPRINGFIELD, GEORGIA 31329
 (912) 754-2111

19. TWENTY-FOUR HOUR CONTACT RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL.

EFFINGHAM COUNTY BOARD OF COMMISSIONERS
 601 NORTH LAUREL STREET
 SPRINGFIELD, GEORGIA 31329
 (912) 754-2111

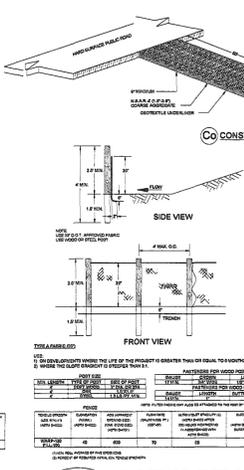
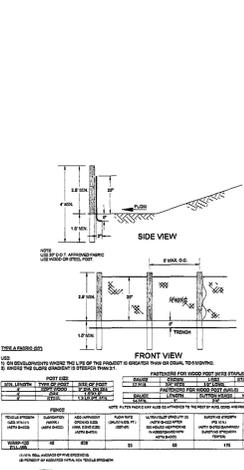
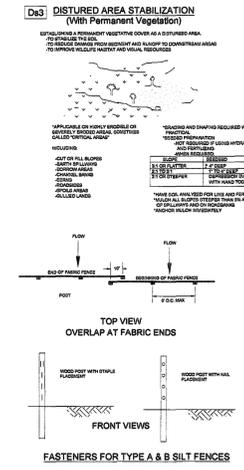
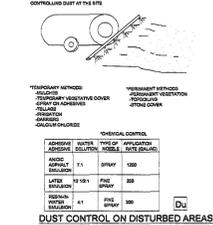
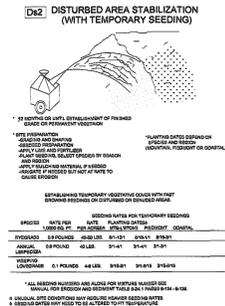
20. THE EXISTING SOILS TYPES ARE AS FOLLOWS:

SuA - SURRENCY MUCKY SAND, 0-1% SLOPES, FREQUENTLY FLOODED
 W - WATER
 SEE GEOTECHNICAL REPORT FOR SUBSURFACE INFORMATION

	TENTATIVE ACTIVITY SCHEDULE	
	MONTH 1	MONTH 2
CLEARING AND GRUBBING	■	
CONSTRUCTION EXIT	■	
SEDIMENT BARRIER	■	
DEWATERING DIKE	■	
DEMO EXISTING	■	
STORM DRAIN OUTLET PROTECTION	■	
DISTURBED AREA STABILIZATION (WITH MULCHING)		■
DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)		■
DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)		■
DUST CONTROL	■	■
BOX CULVERT CONSTRUCTION	■	■
GRADING & PAVING	■	■

SEDIMENT STORAGE CALCULATIONS:

REQUIRED SEDIMENT STORAGE= 67 CY DISTURBED ACRE x 0.1 ACRES
 REQUIRED SEDIMENT STORAGE= 6.7 CY
 TOTAL PROVIDED STORAGE= 8.0 CY > 6.7 CY (REQ'D)



EFFINGHAM COUNTY
 BOARD OF COMMISSIONERS
 ENGINEERING DEPARTMENT
 601 NORTH LAUREL STREET
 SPRINGFIELD, GA 31329
 PH: (912) 754-9660
 FX: (912) 754-9659



REVISIONS	DATE	NUMBER

DESIGNED BY DCM	DRAWN BY DCM	CHECKED BY LCA	DATE	JOB NO.	SCALE
			08/24/2018		NONE

HONEY RIDGE ROAD BRIDGE REPLACEMENT
 PREPARED FOR
 EFFINGHAM COUNTY BOARD OF COMMISSIONERS
 EROSION & SEDIMENT CONTROL NOTES

SHEET NUMBER

INSPECTIONS

A. 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 THAT PERMITTEE'S VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING; AND (c) MEASURE RAINFALL ONCE EACH TWENTYFOUR 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 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). THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS PERFORMING ONLY SERVICE LINE INSTALLATIONS.

(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).

(4). BASED ON THE RESULTS OF EACH INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION AND CONTROL MEASURES IDENTIFIED IN THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN, THE PLAN SHALL BE REVISED AS APPROPRIATE NOT LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. IMPLEMENTATION OF SUCH CHANGES SHALL BE MADE AS SOON AS PRACTICAL BUT IN NO CASE LATER THAN SEVEN (7) CALENDAR DAYS FOLLOWING EACH INSPECTION. THE PRIMARY PERMITTEE MUST AMEND THE PLAN IN ACCORDANCE WITH PART IV.D.3.B.(4). WHEN A SECONDARY PERMITTEE NOTIFIES THE PRIMARY PERMITTEE OF ANY PLAN DEFICIENCIES.

(5). A REPORT (I.E., NOT INDIVIDUAL INSPECTION FORMS) 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 NONCOMPLIANCE WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NONCOMPLIANCE. 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.

B. SECONDARY PERMITTEE.

(1). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A SECONDARY PERMITTEE'S SITE, QUALIFIED PERSONNEL PROVIDED BY THE SECONDARY PERMITTEE SHALL INSPECT: (a) ALL AREAS USED BY THE SECONDARY PERMITTEE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT; AND (b) ALL LOCATIONS AT THE SECONDARY PERMITTEE SITE WHERE THAT PERMITTEE'S VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED. THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS IF THEY ARE SECONDARY PERMITTEES.

(2). QUALIFIED PERSONNEL (PROVIDED BY THE SECONDARY PERMITTEE) SHALL INSPECT AT LEAST ONCE EVERY SEVEN 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 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 UNDERGONE FINAL STABILIZATION; AND (c) STRUCTURAL CONTROL MEASURES, EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE SECONDARY 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). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED. THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS IF THEY ARE SECONDARY PERMITTEES PERFORMING ONLY SERVICE LINE INSTALLATIONS.

(3). QUALIFIED PERSONNEL (PROVIDED BY THE SECONDARY 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 THEIR SITES 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). THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS IF THEY ARE SECONDARY PERMITTEES.

(4). 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 EXIST WITHIN 48-HOURS OF SUCH NOTICE. AND IF 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 PERMITTEES WITHIN THIS SEVEN (7) DAY PERIOD. THE SECONDARY PERMITTEES MUST IMPLEMENT ANY NEW PLAN REQUIREMENTS AFFECTING THEIR SITE(S) WITHIN 48-HOURS OF NOTIFICATION BY THE PRIMARY PERMITTEE.

(5). A REPORT (I.E., NOT INDIVIDUAL INSPECTION FORMS) SUMMARIZING THE SCOPE OF THE 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 IV.D.3.B.(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 HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL 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. THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS IF THEY ARE SECONDARY PERMITTEES PERFORMING ONLY SERVICE LINE INSTALLATIONS.

C. TERTIARY PERMITTEE.

(1). EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A TERTIARY PERMITTEE'S SITE, QUALIFIED PERSONNEL PROVIDED BY THE TERTIARY PERMITTEE SHALL INSPECT: (a) ALL AREAS USED BY THE TERTIARY PERMITTEE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT; AND (b) ALL LOCATIONS AT THE TERTIARY PERMITTEE SITE WHERE THAT PERMITTEE'S VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED. THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS PERFORMING ONLY SERVICE LINE INSTALLATIONS.

(2). QUALIFIED PERSONNEL (PROVIDED BY THE TERTIARY PERMITTEE) SHALL INSPECT AT LEAST ONCE EVERY SEVEN 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 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.C.(3). THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED. THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS PERFORMING ONLY SERVICE LINE INSTALLATIONS.

(3). QUALIFIED PERSONNEL (PROVIDED BY THE TERTIARY 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 THEIR SITES 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). THIS PARAGRAPH IS NOT APPLICABLE TO UTILITY COMPANIES AND UTILITY CONTRACTORS PERFORMING ONLY SERVICE LINE INSTALLATIONS.

(4). 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.

(5). A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION AND THE NAME(S) OF PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE TERTIARY EROSION 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 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 NONCOMPLIANCE, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE TERTIARY EROSION CONTROL PLAN AND THIS PERMIT. THE 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.

SOIL EROSION AND CONTROL PRACTICES:

- LOCAL, STATE AND MANUFACTURE'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
- MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDE, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
- SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE AND FEDERAL REGULATIONS.
- FOR SPILLS THAT IMPACT SURFACE WATER (LEAVE A SHEEN ON SURFACE WATER) THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 HOURS AT 1-800-426-2675.
- FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL 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 WITH 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 1200 GALLONS OF PETROLEUM IS STORED ON-SITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 600 GALLONS. THE CONTRACTOR WILL NEED A SPILL PREVENTION CONTAINMENT AND COUNTERMEASURES PLAN PREPARED BY THAT LICENSED PROFESSIONAL.

PRODUCT SPECIFIC PRACTICES:

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

PAINTS/FINISHES/SOLVENTS - ALL PRODUCTS WILL BE STORED IN TIGHTLY SEALED ORIGINAL CONTAINERS WHEN NOT IN USE. EXCESS PRODUCT WILL NOT BE DISCHARGED TO THE STORM WATER COLLECTION SYSTEM. EXCESS PRODUCTS, 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 WASHER ON-SITE.

FERTILIZER/HERBICIDES - THESE PRODUCTS WILL BE APPLIED AT RATES THAT DO NOT EXCEED THE MANUFACTURER'S SPECIFICATION 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 MATERIALS WILL BE BURIED OR DISPOSED OF ON-SITE. ALL SUCH MATERIALS WILL BE DISPOSED OF IN PROPER WASTE DISPOSAL PROCEDURES.

STATE WATERS/WETLANDS:

THIS PROJECT IS LOCATED WITHIN THE WETLANDS LIMITS. IT IS AN EXEMPT ACTIVITY AND WILL NOT REQUIRE A 25 OR 50-FOOT UNDISTURBED STREAM BUFFERS AS MEASURED FROM THE POINT OF WRESTED VEGETATION OR VARIANCES AND PERMITS ACCORDING TO PART IV.(1) AND (11) OF THE GENERAL 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. THE 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 ESPCC FILE AT THE JOB SITE CONSTRUCTION TRAILER. EACH EMPLOYEE WHO MUST HANDLE A SUBSTANCE WITH HAZARDOUS PROPERTIES WILL BE INSTRUCTED ON THE USE OF MSDS SHEETS AND THE SPECIFIC INFORMATION IN THE APPLICABLE MSDS FOR THE PRODUCT HE/SHE IS USING, PARTICULARLY REGARDING SPILL CONTROL TECHNIQUES. THE CONTRACTOR WILL IMPLEMENT THE SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) PLAN FOUND WITHIN THIS ESPCC AND WILL TRAIN ALL PERSONNEL IN THE PROPER CLEANUP AND HANDLING OF SPILLED MATERIALS. NO SPILLED HAZARDOUS MATERIALS OR HAZARDOUS WASTES WILL BE ALLOWED TO COME IN CONTACT WITH STORMWATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORMWATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORMWATER. IT SHALL BE THE RESPONSIBILITY OF THE JOB SITE SUPERINTENDENT TO PROPERLY TRAIN ALL PERSONNEL IN THE USE OF THE SPCC PLAN.

SANITARY WASTES

A MINIMUM OF ONE PORTABLE SANITARY UNIT WILL BE PROVIDED FOR EVERY TEN (10) WORKERS ON THE SITE. ALL SANITARY WASTE WILL BE COLLECTED FROM THE PORTABLE UNITS A MINIMUM OF ONE TIME PER WEEK BY A LICENSED PORTABLE FACILITY PROVIDER IN COMPLETE COMPLIANCE WITH LOCAL AND STATE REGULATIONS. ALL SANITARY WASTE UNITS WILL BE LOCATED IN ONE AREA WHERE THE LIKELIHOOD OF THE UNIT CONTRIBUTING TO STORM WATER DISCHARGE IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMPs MUST BE IMPLEMENTED SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE TO PREVENT WASTES FROM CONTRIBUTING TO STORM WATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE SHEET C-4B, BY THE CONTRACTOR ONCE THE LOCATION HAS BEEN DETERMINED. THE SANITARY SEWER WILL BE PROVIDED BY MUNICIPAL AUTHORITY/SEPTIC SYSTEM UPON THE COMPLETION OF THIS PROJECT.

PETROLEUM SPILLS & LEAKS:

ANY LEAKS OR SPILLS OF PETROLEUM PRODUCTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTAIN, CONTROL, AND REMEDIATE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL GUIDELINES, ORDINANCES, AND LAWS.

CONTROL OF POLLUTANTS- POLLUTANTS OR POTENTIALLY HAZARDOUS MATERIALS, SUCH AS FUELS, LUBRICANTS, LEAD PAINT, CHEMICALS OR BATTERIES, SHALL BE TRANSPORTED, STORED AND UTILIZED IN A MANNER TO PREVENT LEAKAGE OR SPILLAGE INTO THE ENVIRONMENT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR PROPER AND LEGAL DISPOSAL OF ALL SUCH MATERIALS. EQUIPMENT, ESPECIALLY CRAWLERS OR ASPHALT TRUCKS, SHALL NOT BE WASHED OR CLEANED OUT ON THE PROJECT EXCEPT IN AREAS WHERE UNUSED PRODUCT CONTAMINANTS CAN BE PREVENTED FROM ENTERING WATERWAYS.

KEEPING PLANS CURRENT:

THE PRIMARY, SECONDARY OR TERTIARY PERMITTEES, AS APPLICABLE, WHO BEGAN CONSTRUCTION ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT SHALL AMEND THEIR PLAN OR TEC PLAN WHENEVER THERE IS A CHANGE IN DESIGN, CONSTRUCTION, OPERATION, OR MAINTENANCE, WHICH HAS A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT, I.E., THOSE BMPs WHERE THE DESIGN IS BASED UPON RAINFALL INTENSITY, DURATION AND RETURN FREQUENCY OF STORMS OR THE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS TO THE WATERS OF GEORGIA AND WHICH HAS NOT OTHERWISE BEEN ADDRESSED IN THE PLAN OR TEC PLAN, IF THE PLAN OR TEC PLAN PROVES TO BE INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS FROM SOURCES IDENTIFIED UNDER PART IV.D.2 OF THIS PERMIT, OR IF THE PLAN OR TEC PLAN PROVES TO BE INEFFECTIVE IN ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. AMENDMENTS TO THE PLAN MUST BE CERTIFIED BY A DESIGN PROFESSIONAL AS PROVIDED IN THIS PERMIT. FOR CONSTRUCTION COMMENCING AFTER THE EFFECTIVE DATE OF THIS PERMIT, SECONDARY PERMITTEES MUST NOTIFY THE PRIMARY PERMITTEE WITHIN 24-HOURS OF BECOMING AWARE OF ANY SUSPECTED BMP DESIGN DEFICIENCIES WHICH ARE NOT EFFECTIVE IN CONTROLLING THE DISCHARGE OF POLLUTANTS FROM THE SECONDARY PERMITTEE'S SITE. THE PRIMARY PERMITTEE MUST EVALUATE WHETHER THESE DEFICIENCIES EXIST WITHIN 48-HOURS OF SUCH NOTICE, AND IF THESE DEFICIENCIES ARE FOUND TO EXIST MUST AMEND THE PLAN IN ACCORDANCE WITH THIS PARAGRAPH 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 PERMITTEES WITHIN SEVEN (7) DAY PERIOD. WITHIN 48-HOURS OF NOTIFICATION BY THE PRIMARY PERMITTEE, NOTWITHSTANDING THE FOREGOING, THE PRIMARY OR TERTIARY PERMITTEE REMAINS RESPONSIBLE FOR INSURING THAT THE PLAN OR THE TEC PLAN, AS APPROPRIATE, MEETS THE REQUIREMENTS OF THIS PERMIT.

NOTE

ANY AMENDMENT TO THE EROSION CONTROL PLANS WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

SECONDARY PERMITTEES:

NOTE: THIS MASTER LIST TO BE COMPLETE AND SIGNED AND KEPT IN THE ONSITE CONSTRUCTION TRAILER.

SECONDARY PERMITTEE'S SIGN WHEN RECEIVING PLAND. ALL SECONDARY PERMITTEES MUST SUBMIT SECONDARY NOE AT LEAST 14 DAY PRIOR TO BEGINNING CONSTRUCTION ACTIVITY.

NAME _____ PHONE: _____
 COMPANY _____ FAX: _____
 ADDRESS _____
 GSWCC LEVEL 1A CERTIFICATION NO. _____ SIGNATURE _____

NAME _____ PHONE: _____
 COMPANY _____ FAX: _____
 ADDRESS _____
 GSWCC LEVEL 1A CERTIFICATION NO. _____ SIGNATURE _____

NAME _____ PHONE: _____
 COMPANY _____ FAX: _____
 ADDRESS _____
 GSWCC LEVEL 1A CERTIFICATION NO. _____ SIGNATURE _____

NAME _____ PHONE: _____
 COMPANY _____ FAX: _____
 ADDRESS _____
 GSWCC LEVEL 1A CERTIFICATION NO. _____ SIGNATURE _____

SPECIAL NOTES:

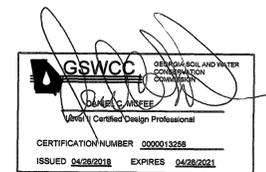
1. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL AND SEDIMENT CONTROL MEASURES AND PRACTICES SHALL OCCUR PRIOR TO OR CONCURRENT WITH LAND-DISTURBING ACTIVITIES.
2. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
3. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
4. THERE ARE NO STATE WATERS LOCATED WITHIN 200' OF THIS SITE.
5. THERE WILL BE NO WETLANDS IMPACTED DUE TO THE DEVELOPMENT OF THIS SITE.
6. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMPs WITHIN 7 DAYS AFTER INSTALLATION.
7. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
8. ANY AMENDMENT TO THE EROSION CONTROL PLANS WHICH HAVE A SIGNIFICANT EFFECT ON BMPs WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.

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.

GSWCC LEVEL II DESIGN PROFESSIONAL _____ CERTIFICATION # _____
 INSPECTION REVEALED THE FOLLOWING DISCREPANCIES FROM THE ES&PC PLAN _____

THESE DISCREPANCIES MUST BE ADDRESSED IMMEDIATELY AND A RE-INSPECTION SCHEDULED. WORK SHALL NOT PROCEED ON SITE UNTIL DESIGN PROFESSIONAL CERTIFICATION IS OBTAINED.



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

WASTE MATERIALS

ALL WASTE MATERIALS WILL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL SOLID WASTE MANAGEMENT REGULATIONS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE WILL BE DEPOSITED IN THE DUMPSTER. THE DUMPSTER WILL BE EMPTIED A MINIMUM OF ONCE PER WEEK OR MORE OFTEN IF NECESSARY AND TRASH WILL BE HAULED AS REQUIRED BY LOCAL REGULATIONS. NO CONSTRUCTION WASTE WILL BE BURIED ON-SITE. ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOB SITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.



EFFINGHAM COUNTY BOARD OF COMMISSIONERS
ENGINEERING DEPARTMENT
 PH:(912) 754-9080
 FX:(912) 754-9089
 601 NORTH LAUREL STREET
 SPRINGFIELD, GA 31289



DESIGNED BY	DCM	DATE
DRAWN BY <td>DCM <td></td> </td>	DCM <td></td>	
CHECKED BY <td>LCA <td></td> </td>	LCA <td></td>	
DATE	08/24/2018	
JOB NO.		
SCALE	NONE	

HONEY RIDGE ROAD BRIDGE REPLACEMENT
 PREPARED FOR
EFFINGHAM COUNTY BOARD OF COMMISSIONERS
EROSION & SEDIMENT CONTROL NOTES - CONT

SHEET NUMBER