

GSWCC AND NPDES NOTES

PROJECT NAME: MURPHEY MIDDLE SCHOOL PE BUILDING
ADDRESS: 1701 FIFTEENTH STREET
CITY / COUNTY: AUGUSTA / RICHMOND ZIP CODE: 30904
DATE ON PLANS: NOVEMBER 2, 2018

- 1. GAR 10001 STAND ALONE
2. LEVEL II CERTIFICATION: NAME: MITCHELL MURCHISON NO. 46296 EXP. DATE: 10-12-19
3. 24 HOUR CONTACT: NAME: BENTON STARKS PHONE: (706) 737-7189
4. PRIMARY PERMITTEE: NAME: RICHMOND COUNTY SCHOOL SYSTEM
ADDRESS: 884 BROAD STREET
AUGUSTA, GEORGIA 30901
PHONE: 706-826-1000

- 5. TOTAL ACRES: 9.09 TOTAL ACRES DISTURBED: 5.37
6. (A) TAX MAP NUMBER: 058-9-111-00-9
7. VICINITY MAP SHEET C100 ON PLANS
8. GRAPHIC SCALE: AS NOTED ON INDIVIDUAL SHEETS.
9. EXISTING AND PROPOSED CONTOUR LINES AT REQUIRED INTERVALS:
10. BOUNDARY LINE SURVEY: SHEET C306 ON PLANS
11. DELINEATION OF DRAINAGE BASIN ON PROJECT SITE: SHEET(S): C401
12. (A) DELINEATION OF ON-SITE WETLANDS: YES SHEET(S): N/A
NO ON-SITE WETLANDS: NO
(B) DELINEATION OF STATE WATERS ON OR WITHIN 200 FT. OF PROJECT SITE: YES SHEET(S): N/A
NO STATE WATERS ON OR WITHIN 200 FT. OF PROJECT SITE: NO

- 13. DELINEATION OF 25 FOOT OR 50 FOOT UNDISTURBED BUFFER: NOT APPLICABLE YES SHEET(S): N/A
14. DELINEATE ALL SAMPLING LOCATIONS, PERENNIAL AND INTERMEDIATE STREAMS: SHEET C802 ON PLANS
15. STORM DRAIN PIPE AND WEIR VELOCITIES WITH APPROPRIATE OUTLET PROTECTION: SHEET(S) C808 ON PLANS
16. SOIL SERIES FOR THE PROJECT SITE: (PROVIDE MAP) SHEET C802 ON PLANS
17. IDENTIFY PROJECT RECEIVING STREAM: SHEET C100 ON PLANS
18. IMPAIRED STREAM: YES NO
19. TMDL IMPLEMENTATION PLAN FOR SEDIMENT: YES NO
20. HYDROLOGY STUDY FOR PRE AND POST DEVELOPED CONDITIONS: YES NO
21. INITIAL DATE ON PLANS THE DATE(S) OF ANY REVISIONS: AND WHO REQUESTED THEM YES NO
22. LIMITS OF DISTURBANCE FOR EACH PHASE OF CONSTRUCTION: YES NO SHEET(S) C803, C804 & C805 ON PLANS
23. LIMITS OF DISTURBANCE OVER 50 ACRES: YES NO SHEET(S) C803, C804 & C805 ON PLANS
24. SEDIMENT STORAGE PER CHECKLIST PERMIT REQUIREMENTS: YES NO SHEET C802 ON PLANS
25. USE OF ALTERNATE BMPs: YES NO
IF YES, ALTERNATE BMP CALC SHEET: N/A

- 26. BMPs TO REDUCE OFF-SITE VEHICLE TRACKING (Co) AND GENERATION OF DUST (Du): YES NO
27. OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, SEDIMENTS AND THE GENERATION OF DUST SHOULD BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. THE PLAN SHALL INCLUDE THE BMPs TO BE IMPLEMENTED AT THE SITE OR CONSTRUCTION ACTIVITY. A STABILIZED CONSTRUCTION EXIT HAS BEEN PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENT. REFER TO SHEET(S) C803 THRU C805 & C806 FOR CONSTRUCTION EXIT LOCATION AND DETAILS. THE PAVED STREETS ADJACENT TO THE SITE SHALL BE INSPECTED DAILY FOR TRACKING OF MUD, DIRT, OR ROCK. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH A TARP/AULIN.

CRUSHED STONE CONSTRUCTION EXIT:
THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO ADJACENT ROADS & DRIVES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1"-3" STONE, AS CONDITIONS DEMAND, AND REPAIR AND/OR CLEAN OUT OF ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES OFF-SITE ONTO ADJACENT ROADS AND DRIVES, OR INTO STORM DRAINS, MUST BE REMOVED IMMEDIATELY.

DUST CONTROL (Du) NOTES:
SPRAY-ON ADHESIVES: THESE ARE USED ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

TILLAGE: THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN FLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING-TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.

IRRIGATION: THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.

BARRIERS: SOLID BOARD FENCES, SNOW FENCES, BURLAP FENCES, CRATE WALLS, BALES OF HAY, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLE TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 100 FEET. HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.

CALCIUM CHLORIDE: APPLY AT A RATE THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.
REFER ALSO TO SHEET(S) C802 FOR THE "DUST CONTROL ON UNSTABILIZED AREAS (Du) GSWCC DETAIL AND SHEET C802 FOR THE "CONSTRUCTION EXIT (Co) GSWCC DETAIL.

CONCRETE WASHDOWN:

28. TOOLS
BMPs FOR CONCRETE WASHDOWN OF THE FOLLOWING:
ALL CONCRETE WASH WATER THAT RESULTS FROM THE WASHDOWN OF TOOLS USED FOR CONCRETE WORK SHALL BE CONTAINED IN A DESIGNATED CONCRETE WASHDOWN AREA. DETAIL ON SHEET C806 ON PLANS

CONCRETE MIXER CHUTES
ALL CONCRETE WASH WATER THAT RESULTS FROM THE RINSING OUT OF CONCRETE MIXER CHUTES SHALL BE CONTAINED IN A DESIGNATED CONCRETE WASHOUT AREA.

HOPPERS
ALL CONCRETE WASH WATER THAT RESULTS FROM RINSING OUT OF CONCRETE HOPPERS SHALL BE CONTAINED IN A DESIGNATED CONCRETE WASHOUT AREA.

REAR OF VEHICLES
ALL CONCRETE WASH WATER THAT RESULTS FROM RINSING OUT OF CONCRETE TRUCKS SHALL BE CONTAINED IN A DESIGNATED CONCRETE WASHOUT AREA.

WASH OUT OR DISCHARGE OF ANY SURPLUS CONCRETE ON THE GROUND OR DRUM WASHOUT FROM CONCRETE TRUCKS AT THE CONSTRUCTION SITE IS PROHIBITED.

SPILL CLEANUP AND CONTROL PRACTICES:

29. BMPs FOR THE REMEDIATION OF ALL PETROLEUM SPILLS AND LEAKS:
LOCAL, STATE, AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO ALL ON-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 (I.E. LEAVE A SHEEN ON SURFACE WATER), THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24-HOURS AT 1-(800)-428-2675.

FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24-HOURS AT 1-(800)-428-2675.

FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS, THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION (EPD) WILL BE CONTACTED WITHIN 24-HOURS. GA EPD (404)-856-4863 OR (800)-241-4113 AND THE NATIONAL RESPONSE CENTER AT (800)-424-8802.

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 1,320 GALLONS OF PETROLEUM IS STORED ON-SITE (THIS INCLUDES CAPACITIES OF EQUIPMENT) OR IF ANY ONE PIECE OF EQUIPMENT HAS A CAPACITY GREATER THAN 660 GALLONS. IN SUCH A CASE, THE CONTRACTOR WILL NEED A SPILL PREVENTION, CONTAINMENT, AND COUNTERMEASURES PLAN PREPARED BY A LICENSED PROFESSIONAL.

30. FOR PHASED EROSION AND SEDIMENTATION CONTROL PLANS (I.E. INITIAL PHASE, INTERMEDIATE PHASE, AND FINAL PHASE) SHOWING THE LOCATION OF BEST MANAGEMENT PRACTICES (BMPs) THAT ARE CONSISTENT WITH AND NO LESS STRINGENT THAN THE MANUAL FOR EROSION AND SEDIMENTATION CONTROL IN GEORGIA, CURRENT EDITION USING UNIFORM CODING SYMBOLS FROM THE MANUAL, CHAPTER 6, WITH LEGEND, REFER TO SHEET(S) C803, C804, C805, & C806 ON PLANS.

31. DESCRIPTION OF THE NATURE OF CONSTRUCTION ACTIVITY:
CONSTRUCTION OF A NEW GYM, PARKING LOT EXPANSION, AND MULTI-USE FIELD

32. DESCRIPTION OF THE APPROPRIATE CONTROLS AND MEASURES THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE FOR EACH PHASE OF EROSION AND SEDIMENT CONTROL:
INITIAL PHASE
INSTALLATION OF PERIMETER CONTROL BMPs (SILT FENCE TYPE "C" (S41-C) AT THE LIMITS OF DISTURBANCE); CONSTRUCTION EXITS (Co) TO PREVENT TRACKING OR FLOW OF MUD ONTO ADJACENT ROADS AND DRIVES; DUST CONTROL ON DISTURBED AREAS (Du); DISTURBED AREA STABILIZATION WITH MULCHING ONLY (D4); DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING (S42-E, S42-F)

INTERMEDIATE PHASE
MAINTAIN SILT FENCE TYPE "C" (S41-C) AT PERIMETER CONTROL; MAINTAIN SILT FENCE TYPE "C" (S41-C) AT PERIMETER CONTROL; DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING (D4); REMOVAL OF PUMP DEVICES ONCE THE SITE IS FULLY STABILIZED.

FINAL PHASE
MAINTAIN SILT FENCE TYPE "C" (S41-C) AT PERIMETER CONTROL; DISTURBED AREA STABILIZATION WITH PERMANENT SEEDING (D4); REMOVAL OF PUMP DEVICES ONCE THE SITE IS FULLY STABILIZED.

33. CONSTRUCTION SCHEDULE
DETAIL ON SHEET C802 OF ON PLANS

PRODUCT SPECIFIC PRACTICES:

34. 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 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 PRODUCT, MATERIALS USED WITH THESE PRODUCTS, AND PRODUCT CONTAINERS WILL BE DISPOSED OF ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

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 ON-SITE. ALL SUCH MATERIALS WILL BE DISPOSED OF IN ACCORDANCE WITH PROPER WASTE DISPOSAL PROCEDURES.

BUILDING MATERIALS, PRODUCTS, CONSTRUCTION WASTES, TRASH, LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETERGENTS, SANITARY WASTE AND OTHER MATERIALS SHALL BE COVERED WITH PLASTIC SHEETING OR TEMPORARY ROOFS IN ORDER TO MINIMIZE EXPOSURE TO PRECIPITATION AND TO STORMWATER.

35. DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED:

MEASURES INCLUDE A COMBINATION OF VEGETATED SWALES AND NATURAL DEPRESSIONS FOR FLOW ATTENUATION, LANDSCAPED AND TURF AREAS, AND IMPERVIOUS SURFACES THAT WILL REDUCE SOIL AND SEDIMENT RUNOFF.

THESE MEASURES WILL ENSURE THAT THE NATURAL, PHYSICAL, AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS OF THE WATER COURSE ARE MAINTAINED AND PROTECTED.

36. DESIGN PROFESSIONAL'S CERTIFICATION STATEMENT AND SIGNATURE THAT THE SITE WAS VISITED PRIOR TO DEVELOPMENT OF THE ES&PC PLAN AS STATED ON PAGE 14 OF THE PERMIT:

"I CERTIFY UNDER PENALTY OF LAW THAT THIS PLAN WAS PREPARED AFTER A SITE VISIT TO THE LOCATIONS DESCRIBED HEREIN BY ME OR MY AUTHORIZED REPRESENTATIVE UNDER MY SUPERVISION."
Signature: Mitchell Murchison
Date: 10-12-19
GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION NO. 46296 EXP. DATE 10-12-19

37. DESIGN PROFESSIONAL'S CERTIFICATION STATEMENT AND SIGNATURE THAT THE PERMITTEE'S ES&PC PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES (BMPs) THAT MEET THE REQUIREMENTS AS STATED ON PAGE 14 OF THE PERMIT:

"I CERTIFY THAT THE PERMITTEE'S EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN PROVIDES FOR AN APPROPRIATE AND COMPREHENSIVE SYSTEM OF BEST MANAGEMENT PRACTICES AS REQUIRED BY THE GEORGIA WATER QUALITY CONTROL ACT AND THE DOCUMENT "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA (MANUAL) PUBLISHED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION AS OF JANUARY 1 OF THE YEAR IN WHICH THE LAND DISTURBING ACTIVITY WAS PERMITTED, PROVIDES FOR THE SAMPLING OF THE RECEIVING WATERS) OR THE SAMPLING OF THE STORM WATER COLLECTION SYSTEMS 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. 100001."

Signature: Mitchell Murchison
Date: 10-12-19
GSWCC LEVEL II DESIGN PROFESSIONAL CERTIFICATION NO. 46296 EXP. DATE 10-12-19

38. CERTIFICATION STATEMENT AND SIGNATURE OF THE PERMITTEE OR DULY AUTHORIZED REPRESENTATIVE AS STATED IN SECTION V.G.2.d OF THE STATE GENERAL PERMIT:

STANDARD PERMIT CONDITIONS SIGNATORY REQUIREMENTS CERTIFICATION:
"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 CERTIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED UPON 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."

RICHMOND COUNTY SCHOOL SYSTEM 706-826-1000
PRIMARY PERMITTEE PRIMARY PERMITTEE CONTACT PHONE NUMBER

BENTON STARKS
PRIMARY PERMITTEE CONTACT PRIMARY PERMITTEE CONTACT SIGNATURE DATE
EMAIL: BENTON@BOE.RICHMOND.K12.GA.US

NOTE:
THESE ARE STANDARD NOTES PROVIDED BY THE LOCAL ISSUING AUTHORITY AND MODIFIED BY THE DESIGN PROFESSIONAL.



24-HOUR LOCAL ES&PC CONTACT:
NAME: BENTON STARKS
PHONE: (706) 737-7189
EMAIL: BENTON@BOE.RICHMOND.K12.GA.US

CRANSTON
ENGINEERS - PLANNERS - SURVEYORS
450 Ellis Street, Augusta, Georgia 30901
Post Office Box 1000, Augusta, Georgia 30903
Phone: (706) 737-7222-1938
Email: cranston@cranston-engineers.com



GSWCC LEVEL II CERTIFICATION NO. 46296
EXPIRES: 10/12/19

Murphey Middle School PE Building
Erosion Control Notes

DRAWN BY: MAB/RDS
CHECKED BY: TMP
APPROVED BY: MMB
DATE: NOVEMBER 2, 2018
SCALE: NO SCALE
JOB No. 2018-0178
DRAWING No. C600



PROJECT TITLE:
MURPHEY MIDDLE SCHOOL PE BUILDING PROJECT # B-17-005-3756.1

REVISIONS
REV # DATE APPRVD BY REVISION
11/02/18 MMB STATE FINAL
11/20/18 MMB ISSUE FOR BID

DA PROJECT NUMBER & NAME: 1707.1
DRAWING TITLE: EROSION CONTROL NOTES
DRAWING NO: C600

Order Plans