PROJECT DESCRIPTION:
THE SUBJECT SITE IS LOCATED ON THE SOUTH SIDE OF PEACHTREE PARKWAY, SOUTH OF ITS INTERSECTION WITH ENGINEERING DRIVE AND NORTH OF TECHNOLOGY PARKWAY IN LAND LOT 284, 6TH DISTRICT, CITY OF PEACHTREE CORNERS, GWINNETT COUNTY, GEORGIA. SEE EXHIBIT A, LOCATION MAP. THE 8.47-ACRE SITE IS CURRENTLY UNDEVELOPED AND WOODED. THE NEW DEVELOPMENT WILL CONSIST OF A 5,411 SF RACETRAC MARKET STORE WITH FUEL PUMP CANOPY, ASSOCIATED PARKING, DRIVEWAY CONNECTIONS AND LANDSCAPING. THE DEVELOPMENT WILL ALSO INCLUDE THE EXTENSION OF ENGINEERING DRIVE TO TECHNOLOGY PARKWAY, ONE (1) COMMERCIAL OUTPARCEL AND A MASTER STORMWATER MANAGEMENT FACILITY. THE TOTAL DISTURBED AREA FOR THIS DEVELOPMENT WILL BE APPROXIMATELY 7.81 ACRES.

THE SITE DISCHARGES TO A TRIBUTARY OF CROOKED CREEK, WHICH ALSO FLOWS THROUGH THE SUBJECT SITE EAST TO WEST ALONG THE NORTHERN PORTION OF THE PROPERTY AND DISCHARGES TO A DOUBLE 8'X6' REINFORCED BOX CULVERT WHICH DRAINS UNDER PEACHTREE PARKWAY.

DATES OF CONSTRUCTION:
ANTICIPATED START OF CONSTRUCTION IS NOVEMBER 2018. FINAL STABILIZATION SHOULD OCCUR PRIOR TO NOVEMBER 2019.

ELEVATION:
THE ELEVATION OF THE DISTURBED SITE RANGES FROM 1047 TO 949.

EXISTING HYDROLOGY:
THE SUBJECT SITE IS CURRENTLY UNDEVELOPED AND HEAVILY WOODED. A TRIBUTARY OF CROOKED CREEK FLOWS THROUGH THE SUBJECT SITE EAST TO WEST ALONG THE NORTHERN PORTION OF THE PROPERTY AND DISCHARGES TO A DOUBLE 8'X6' REINFORCED BOX CULVERT WHICH DRAINS UNDER PEACHTREE PARKWAY. THE ENTRANCE TO THE EXISTING BOX CULVERT WILL SERVE AS THE PROJECT'S STUDY POINT. THE PRE-DEVELOPED DRAINAGE BASIN IS 12.85 ACRES AND CONSISTS OF 8.39 ACRES OF ONSITE AREA AND 4.46 ACRES OF OFFSITE AREA THAT DRAINS TO THE STUDY POINT. THERE IS NO EXISTING IMPERVIOUS AREA WITHIN THE PRE-DEVELOPED DRAINAGE BASIN, AND, THEREFORE THE CN IS 55 AS REQUIRED BY CITY ORDINANCES.

PROPOSED HYDROLOGY:
THE PROPOSED DEVELOPMENT CONSISTS OF THE CONSTRUCTION OF A NEW 5,488 SF RACETRAC MARKET BUILDING WITH ASSOCIATED FUEL PUMPS UNDER AN OVERHEAD CANOPY, ONSITE PARKING, AND LANDSCAPING. THE DEVELOPMENT ALSO INCLUDES THE EXTENSION OF ENGINEERING DDRIVE TO TECHNOLOGY PARKWAY WITH STREETSCAPE AND SIDEWALKS AND ONE (1) COMMERCIAL OUTPARCEL AND AN EXTENDED DRY DETENTION POND FOR STORMWATER MANAGEMENT, WHICH WILL SERVE THE ENTIRE DEVELOPMENT. THE TOTAL DISTURBED AREA FOR THIS DEVELOPMENT IS APPROXIMATELY 7.81 ACRES.

IN THE POST-DEVELOPED CONDITIONS, THE PRE-DEVELOPMENT DRAINAGE BASIN WILL BE SPLIT INTO THREE (3) DISTINCT DRAINAGE BASINS - POST-DEVELOPED ON-SITE DRAINAGE BASIN TO POND, POST-DEVELOPED OFF-SITE DRAINAGE BASIN TO POND AND POST-DEVELOPED POND BYPASS DRAINAGE BASIN. POST-DEVELOPED ON-SITE DRAINAGE BASIN TO POND CONSISTS OF 6.22 ACRES, OF WHICH 2.46 ACRES IS IMPERVIOUS AND 0.92 ACRES IS UNDISTURBED. (THE ONSITE IMPERVIOUS AREA INCLUDES 0.60 ACRES OF FUTURE IMPERVIOUS AREA WITHIN THE PROPOSED OUTPARCEL.) POST-DEVELOPED OFF-SITE DRAINAGE BASIN TO POND CONSISTS OF 1.87 ACRES OF WHICH 0.40 ACRES IS IMPERVIOUS AND 1.41 ACRES IS UNDISTURBED. POST-DEVELOPED POND BYPASS DRAINAGE BASIN CONSISTS OF 4.87 ACRES, OF WHICH 0.25 ACRES IS IMPERVIOUS AND 2.82 ACRES IS UNDISTURBED. WITHIN THE BYPASS BASIN IS 2.17 ACRES OF ONSITE AREA AND 2.70 ACRES OF OFFSITE AREA.

VEGETATION:
THE EXISTING SITE IS CURRENTLY WOODED.

BUFFER REQUIREMENTS:
A TRIBUTARY OF CROOKED CREEK FLOWS THROUGH THE PROJECT SITE AND HAS REQUIRED BUFFERS ALONG THE PORTION THAT IS NOT TO BE DISTURBED. CONTRACTOR SHALL ADHERE TO THE 25-FT AND 50 FT UNDISTURBED BUFFERS AS SHOWN ON THE PLANS. A BUFFER VARIANCE HAS BEEN OBTAINED FOR PORTIONS OF THE BUFFER THAT ARE PROPOSED TO BE DISTURBED. SEE GR-4 FOR GA EPD BUFFER VARIANCE.

CRITICAL AREAS:
THE 25-FT AND 50 FT UNDISTURBED BUFFERS AND THE EXISTING 8'x6' BOX CULVERT ARE CRITICAL AREAS THAT SHALL BE PROTECTED AT ALL TIMES OF SILT AND SEDIMENTATION.

RECEIVING WATERS:
THE PROJECT SITE DISCHARGES TO AN UNNAMED TRIBUTARY OF CROOKED CREEK, WHICH FLOWS THRU THE SUBJECT SITE & DISCHARGES TO A DOUBLE 8'x6' BOX CULVERT WHICH DRAINS UNDER PEACHTREE PARKWAY.

EROSION CONTROL PROGRAM:
THE EROSION SEDIMENTATION AND POLLUTION CONTROL PLAN (ESPCP) IS PROVIDED BY THE DEPARTMENT.
IF THE CONTRACTOR ELECTS TO ALTER THE STAGE CONSTRUCTION FROM THAT SHOWN IN THE PLANS, AND THE ENGINEER APPROVES THE REQUEST, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REVISE THE ESPCP TO REFLECT ALL CHANGES IN STAGING. THIS WILL ALSO INCLUDE ANY REVISIONS TO EROSION AND SEDIMENTATION CONTROL ITEM QUANTITIES. MAJOR MODIFICATION OR DELETION OF SPECIFIED STRUCTURAL BMP'S THAT ARE SPECIFIED IN THE ESPCP WILL REQUIRE A FORMAL REVISION OF THE ESPCP AND THE SIGNATURE OF A GSWCC LEVEL II DESIGN PROFESSIONAL. ADDITIONAL BMP'S MAY BE ADDED AS DIRECTED BY THE ENGINEER.

THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO, OR CONCURRENT WITH, LAND DISTURBING ACTIVITIES.

EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLANS DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.

MAINTENANCE OF ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AND PRACTICES WHETHER TEMPORARY OR PERMANENCE, SHALL BE AT ALL TIMES THE RESPONSIBILITY OF THE PROPERTY OWNER.

THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES SHALL TAKE PLACE PRIOR TO OR CONCURRENT WITH LAND DISTURBING ACTIVITIES. DISTURBED AREAS WILL BE STABILIZED AS SOON AS PRACTICAL AFTER GRADING OPERATIONS BUT IN NO CASE WILL REMAIN UN-STABILIZED FOR MORE THAN 14 DAYS. STABILIZATION MEASURES SHALL BE INITIATED BY THE 14TH DAY, OR AS SOON AS IS PRACTICAL, AFTER THE TEMPORARY OR PERMANENT CEASE OF CONSTRUCTION ACTIVITY. GRAVEL WILL BE APPLIED TO PARKING AREAS AND ROADWAYS AS SOON AS GRADING IS COMPLETE. THE STORM WATER SYSTEM WILL BE INSTALLED AS SOON AS IS PRACTICAL DURING CONSTRUCTION AND RUNOFF DIRECTED TO THE SYSTEM. REFER TO THE SECTION ON IMPLEMENTATION BELOW FOR SPECIFICS.

SEDIMENT CONTROL PROGRAM:
SEDIMENT CONTROL SHALL BE PROVIDED ONSITE VIA EXCAVATED INLET SEDIMENT TRAPS AT PROPOSED STORM SEWER STRUCTURES AND TEMPORARY SEDIMENT TRAPS WHERE RUNOFF LEAVES THE SITE VIA OVERLAND FLOW. SEDIMENT CONTROL SHALL ALSO INCLUDE INSTALLATION OF SEDIMENT TRAPS AT EXISTING INLETS, SILT FENCE DOWN HILL OF DISTURBED AREAS AND INSTALLATION OF A CONSTRUCTION EXIT ON-SITE AT THE LOCATION SHOWN.

STANDARDS AND SPECIFICATIONS:
ALL EROSION AND SEDIMENT MEASURES SHALL CONFORM TO THE EROSION AND SEDIMENT STANDARDS SET FORTH IN THE LATEST EDITION OF THE EROSION CONTROL MANUAL IN GEORGIA. A FIELD GUIDE IS AVAILABLE FROM THE GEORGIA SOIL AND WATER CONSERVATION COMMISSION AND THE FULL MANUAL IS AVAILABLE ON-LINE AT HTTP://WWW.GASWCC.ORG/.

ALL PERSONS INVOLVED IN LAND DEVELOPMENT DESIGN REVIEW, PERMITTING, CONSTRUCTION, MONITORING OR INSPECTION OR ANY LAND DISTURBING ACTIVITY SHALL MEET THE EDUCATION AND TRAINING CERTIFICATION REQUIREMENTS, DEPENDENT ON THEIR LEVEL OF INVOLVEMENT WITH THE PROCESS, AS DEVELOPED BY THE COMMISSION IN CONSULTATION WITH THE DIVISION AND THE STAKEHOLDER ADVISORY BOARD CREATED PURSUANT TO CODE SECTION 12-7-20.

DEFINITIONS:

"CERTIFIED PERSONNEL" SHALL MEAN A PERSON WHO HAS SUCCESSFULLY COMPLETED THE APPROPRIATE CERTIFICATION COURSE APPROVED BY THE STATE SOIL AND WATER CONSERVATION COMMISSION.

"PRIMARY PERMITTEE" SHALL MEAN THE OWNER OR OPERATOR OR BOTH OF A TRACT OR LAND FOR A CONSTRUCTION PROJECT SUBJECT TO THIS PERMIT.

"GENERAL CONTRACTOR" SHALL MEAN THE OPERATOR OF THE STAND ALONE CONSTRUCTION OR SITE.

"OPERATOR" SHALL MEAN THE ENTITY THAT HAS THE PRIMARY DAY-TO-DAY OPERATIONAL CONTROL OF THOSE ACTIVITIES AT THE CONSTRUCTION SITE NECESSARY TO ENSURE COMPLIANCE WITH EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIREMENTS AND PERMIT CONDITIONS.

"OWNER" SHALL MEAN THE LEGAL TITLE HOLDER TO THE REAL PROPERTY ON WHICH IS LOCATED THE FACILITY OR SITE WHERE CONSTRUCTION ACTIVITY TAKES PLACE.

"ENGINEER" SHALL MEAN THE ENTITY WHO HAS CERTIFIED THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN AND COMPREHENSIVE MONITORING PLAN.

"PERMIT" SHALL MEAN THE GEORGIA NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES), GENERAL PERMIT NO. GAR100001 FOR STAND ALONE CONSTRUCTION, ISSUED BY THE GEORGIA DEPARTMENT OF NATURAL RESOURCES.

"FINAL STABILIZATION" MEANS THAT ALL SOIL DISTURBING ACTIVITIES AT THE SITE HAVE BEEN COMPLETED, AND THAT FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR EQUIVALENT PERMANENT STABILIZATION MEASURES (SUCH AS THE USE OF RIP RAP, GABIONS, PERMANENT MULCHES OR GEOTEXTILES) HAVE BEEN USED. PERMANENT VEGETATION SHALL CONSIST OF: PLANTED TREES, SHRUBS, PERENNIAL VINES; A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE TIME OF YEAR AND REGION; OR A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION. FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION.

MATERIAL MANAGEMENT

A. 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 ONSITE.

ALL PERSONNEL WILL BE INSTRUCTED ON PROPER PROCEDURES FOR WASTE DISPOSAL. A NOTICE STATING THESE PRACTICES WILL BE POSTED AT THE JOBSITE AND THE CONTRACTOR WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

B. 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 STORMWATER DISCHARGES IS NEGLIGIBLE. ADDITIONAL CONTAINMENT BMP'S MUST BE IMPLEMENTED, SUCH AS GRAVEL BAGS OR SPECIALLY DESIGNED PLASTIC SKID CONTAINERS AROUND THE BASE, TO PREVENT WASTES FROM CONTRIBUTING TO STORMWATER DISCHARGES. THE LOCATION OF SANITARY WASTE UNITS MUST BE IDENTIFIED ON THE EROSION CONTROL PLAN GRADING PHASE BY THE CONTRACTOR ONCE THE LOCATIONS HAVE BEEN DETERMINED.

EXISTING SANITARY SEWER SERVICE IS CURRENTLY PROVIDED BY DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT.

C. PRODUCT SPECIFIC PRACTICES:

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 STORMWATER 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 ROOD IN SEALED CONTAINERS.

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

D. HAZARDOUS SUBSTANCES & WASTES:

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

E. PETROLEUM PRODUCTS:

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. DRIP PANS SHALL BE PROVIDED FOR ALL DISPENSERS. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

NO FUEL OR OIL SHALL BE STORED ON SITE WITHOUT PROPER CONTAINMENT. ALL PETROLEUM PRODUCTS AND HAZARDOUS MATERIALS SHALL BE STORED IN AN AREA LINED WITH A PROTECTIVE BARRIER AND KEYED INTO AND RINGED WITH A STABILIZED DIRT BERM. THE STORAGE AREA SHOULD BE LOCATED AS FAR AWAY FROM DITCHES AND WATERWAYS AS IS PRACTICAL.

F. CONCRETE WASTES:

CONTRACTOR SHALL INSTALL CONCRETE WASHOUT FOR TOOLS AT THE CONSTRUCTION SITE. WASHOUT OF THE CONCRETE DRUM, CONCRETE MIXER CHUTES, HOPPERS AND THE REAR OF VEHICLES IS SPECIFICALLY PROHIBITED.

SPILL PREVENTION AND RESPONSE PROCEDURES

GENERAL:

A. THE CONTRACTOR WILL TRAIN ALL PERSONNEL IN THE PROPER HANDLING AND CLEANUP OF SPILLED HAZARDOUS SUBSTANCES OR OIL. NO SPILLED HAZARDOUS SUBSTANCES OR OIL WILL BE ALLOWED TO COME IN CONTACT WITH STORM WATER DISCHARGES. IF SUCH CONTACT OCCURS, THE STORM WATER DISCHARGE WILL BE CONTAINED ON SITE UNTIL APPROPRIATE MEASURES IN COMPLIANCE WITH STATE AND FEDERAL REGULATIONS ARE TAKEN TO DISPOSE OF SUCH CONTAMINATED STORM WATER. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR'S SUPERINTENDENT TO BE PROPERLY TRAINED, AND TO TRAIN ALL PERSONNEL IN SPILL PREVENTION AND CLEAN UP PROCEDURES.

B. ALL HAZARDOUS SUBSTANCES OR OIL (SUCH AS PESTICIDES, PETROLEUM PRODUCTS, FERTILIZERS, DETERGENTS, CONSTRUCTION CHEMICALS, ACIDS, PAINTS, PAINT SOLVENTS, CLEANING SOLVENTS, ADDITIVES FOR SOIL STABILIZATION, CONCRETE CURING COMPOUNDS AND ADDITIVES, ETC.) WILL BE STORED IN A SECURE LOCATION, WITH THEIR LIDS ON, PREFERABLY UNDER COVER, WHEN NOT IN USE.

C. THE MINIMUM PRACTICAL QUANTITY OF ALL SUCH MATERIALS WILL BE KEPT AT THE PROJECT.

D. SPILL CLEANUP AND CONTROL PRACTICES
1. LOCAL, STATE AND MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND PROCEDURES WILL BE MADE AVAILABLE TO SITE PERSONNEL.
2. MATERIAL AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREAS. TYPICAL MATERIALS AND EQUIPMENT INCLUDES, BUT IS NOT LIMITED TO, BROOMS, DUSTPANS, MOPS, RAGS, GLOVES, GOGGLES, CAT LITTER, SAND, SAWDUST AND PROPERLY LABELED PLASTIC AND METAL WASTE CONTAINERS.
3. SPILL PREVENTION PRACTICES AND PROCEDURES WILL BE REVIEWED AFTER A SPILL AND ADJUSTED AS NECESSARY TO PREVENT FUTURE SPILLS.
4. ALL SPILLS WILL BE CLEANED UP IMMEDIATELY UPON DISCOVERY. ALL SPILLS WILL BE REPORTED AS REQUIRED BY LOCAL, STATE, AND FEDERAL REGULATIONS.
5. 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.
6. FOR SPILLS OF AN UNKNOWN AMOUNT, THE NATIONAL RESPONSE CENTER (NRC) WILL BE CONTACTED WITHIN 24 OURS AT 1-800-426-2675.
7. FOR SPILLS GREATER THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE GEORGIA E.P.D. WILL BE CONTACTED WITHIN 24 HOURS.
8. FOR SPILLS LESS THAN 25 GALLONS AND NO SURFACE WATER IMPACTS OCCUR, THE SPILL WILL BE CLEANED UP AND LOCAL AGENCIES WILL BE CONTACTED AS REQUIRED.

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

I. DUTY TO COMPLY AND PERMIT VIOLATIONS

A. EACH PERMITTEE MUST DOCUMENT IN THEIR RECORDS ANY AND ALL KNOWN VIOLATIONS OF THE PERMIT AT HIS/HER SITE WITHIN SEVEN (7) DAYS OF HIS/HER KNOWLEDGE OF THE VIOLATION. A SUMMARY OF THESE VIOLATIONS MUST BE SUBMITTED TO EPD BY THE PERMITTEE AT THE ADDRESSES SHOWN IN PART II.C. OF THE PERMIT WITHIN FOURTEEN (14) DAYS OF HIS/HER DISCOVERY OF THE VIOLATION. THE GENERAL CONTRACTOR SHALL IMMEDIATELY NOTIFY BOTH THE OWNER AND THE ENGINEER OF ANY VIOLATIONS.

B. PENALTIES FOR VIOLATIONS OF PERMIT CONDITIONS. THE FEDERAL CLEAN AIR ACT AND THE GEORGIA WATER QUALITY CONTROL ACT (O.C.G.A. §§ 12-5-20 ET SEQ.) PROVIDE THAT ANY PERSON WHO FALSIFIES, TAMPERS WITH, OR KNOWINGLY RENDERS INACCURATE ANY MONITORING DEVICE OR METHOD REQUIRED TO BE MAINTAINED UNDER THE PERMIT, MAKES ANY FALSE STATEMENT, REPRESENTATION, OR CERTIFICATION IN ANY RECORD OR OTHER DOCUMENT SUBMITTED OR REQUIRED TO BE MAINTAINED UNDER THE PERMIT, INCLUDING MONITORING REPORTS OR REPORTS OF COMPLIANCE OR NONCOMPLIANCE SHALL, UPON CONVICTION BE PUNISHED BY A FINE OR BY IMPRISONMENT, OR BY BOTH. THE FEDERAL CLEAN WATER ACT AND THE GEORGIA WATER QUALITY CONTROL ACT ALSO PROVIDE PROCEDURES FOR IMPOSING CIVIL PENALTIES WHICH MAY BE LEVIED FOR VIOLATIONS OF THE ACTS, ANY PERMIT CONDITION OR LIMITATION ESTABLISHED PURSUANT TO THE ACTS, OR NEGLIGENTLY OR INTENTIONALLY FAILING OR REFUSING TO COMPLY WITH ANY FINAL OR EMERGENCY ORDER OF THE DIRECTOR OF THE GEORGIA ENVIRONMENTAL PROTECTION DIVISION (EPD).

C. NEED TO HALT OR REDUCE ACTIVITY NOT A DEFENSE. IT SHALL NOT BE A DEFENSE FOR THE PERMITTEE IN AN ENFORCEMENT ACTION THAT IT WOULD HAVE BEEN NECESSARY TO HALT OR REDUCE THE PERMITTED ACTIVITY IN ORDER TO MAINTAIN COMPLIANCE WITH THE CONDITIONS OF THE PERMIT.

D. DUTY TO MITIGATE. THE PERMITTEE SHALL TAKE ALL REASONABLE STEPS TO MINIMIZE OR PREVENT ANY DISCHARGE IN VIOLATION OF THE PERMIT WHICH HAS A REASONABLE LIKELIHOOD OF ADVERSELY AFFECTING HUMAN HEALTH OR THE ENVIRONMENT.

E. FAILURE TO PROPERLY DESIGN, INSTALL, OR MAINTAIN BEST MANAGEMENT PRACTICES SHALL CONSTITUTE A VIOLATION OF THIS PERMIT FOR EACH DAY ON WHICH SUCH FAILURE OCCURS. BMP MAINTENANCE AS A RESULT OF THE GENERAL CONTRACTOR'S ROUTINE INSPECTIONS SHALL NOT BE CONSIDERED A VIOLATION FOR THE PURPOSES OF THIS PARAGRAPH. IF DURING THE COURSE OF THE GENERAL CONTRACTOR'S ROUTINE INSPECTION BMP FAILURES ARE OBSERVED WHICH HAVE RESULTED IN SEDIMENT DEPOSITION INTO WATERS OF THE STATE, THE PERMITTEE SHALL CORRECT THE BMP FAILURES AND SHALL SUBMIT A SUMMARY OF THE VIOLATIONS TO EPD IN ACCORDANCE WITH THE PERMIT.

F. WHEN THE PERMITTEE HAS ELECTED TO MONITOR OUTFALL(S) FROM DISTURBED AREAS WHERE BEST MANAGEMENT PRACTICES HAVE NOT BEEN PROPERLY DESIGNED, INSTALLED, AND MAINTAINED, IT SHALL CONSTITUTE A SEPARATE VIOLATION FOR EACH DAY ON WHICH SUCH CONDITION RESULTS IN THE TURBIDITY OF THE DISCHARGE EXCEEDING 50 NTU'S.

G. PERMITTEE SHALL COMPLY WITH ALL DUTIES AND CONDITIONS AS STATED IN THE PERMIT. THE LANGUAGE OF THIS STORMWATER POLLUTION PREVENTION PLAN IS MEANT TO CONVEY MANY BUT NOT ALL OF THE PERMIT REQUIREMENTS. IN CASE OF CONFLICT, THE PERMIT SHALL OVERRIDE THIS PLAN.

II. PRE-CONSTRUCTION PLANNING:

GENERAL:

THE INTENT OF THIS PLAN IS TO PREVENT EROSION AND RESULTING SILT TRANSPORTATION OFF SITE THROUGH THE PROPER DESIGN, INSTALLATION AND MAINTENANCE OF BEST MANAGEMENT PRACTICES (BMPs). THE ITEMS INDICATED ARE THE ENGINEER'S BEST ESTIMATE OF REQUIREMENTS; MORE OR LESS MAY BE NEEDED DEPENDING ON THE SITE CONDITIONS, SEASONS, ETC. GENERAL CONTRACTOR SHALL INSTALL ADDITIONAL MEASURES AS NECESSARY TO COMPLY WITH THIS INTENT. IF SIGNIFICANT MODIFICATIONS NEED TO BE MADE TO EROSION CONTROL MEASURES WHICH INCLUDE A HYDROLOGIC COMPONENT, GENERAL CONTRACTOR SHALL NOTIFY ENGINEER WITHIN 24 HOURS. ENGINEER SHALL THEN HAVE 7 DAYS AFTER THE NOTICE TO MODIFY PLANS ACCORDINGLY AND REDISTRIBUTE TO GENERAL CONTRACTOR.

A. THE STORMWATER POLLUTION PREVENTION PLAN WITH ALL SEDIMENT, EROSION AND POLLUTION CONTROL PLANS SHALL BE KEPT ON-SITE WITH COPIES OF THE PERMIT, ALL RAINFALL RECORDS, ALL INSPECTION REPORTS AND ALL MONITORING REPORTS.

B. EXISTING TOPOGRAPHY IS SHOWN ON DRAWING C-4.1, PHASE I EROSION CONTROL PLAN.

C. PRECIPITATION DESIGN DATA WAS TAKEN FROM CITY OF ATLANTA RAINFALL TABLES PROVIDED IN THE GEORGIA STORMWATER MANAGEMENT MANUAL.

D. SEDIMENT AND EROSION CONTROL MEASURES SHALL BE CONSTRUCTED PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY. SAMPLING PROGRAM SHALL BE IN PLACE PRIOR TO ANY LAND DISTURBANCE ACTIVITY.

E. OTHER FEDERAL, LOCAL OR STATE STATUTES OR REQUIREMENTS THAT MAY AFFECT THE PERMIT REQUIREMENTS FOR THIS SITE.
1. NONE

F. MATERIAL NEEDS AFFECTING ENVIRONMENTAL ASPECTS OF THIS SITE.
1. ON-SITE CUT/FILL
2. TOPSOIL SPOIL
3. CONTAMINATED SOILS

G. PLANNED PHASES OF CONSTRUCTION.
1. DEMOLITION AND CLEARING
2. STRIPING AND STOCKPILING OF TOPSOIL
3. GRADING OPERATIONS
4. STORM DRAINAGE AND UTILITY INSTALLATION
5. FINISH GRADING, CURBS, PAVEMENT, AND LANDSCAPING

H. SPECIAL REQUIREMENTS FOR CRITICAL AREAS OF THE SITE:
NONE.

I. NON-STORM WATER DISCHARGES
THE FOLLOWING NON-STORM WATER DISCHARGES MAY BE AUTHORIZED BY THIS PERMIT PROVIDED THE NON-STORM WATER COMPONENT OF THE DISCHARGE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS OR POLLUTANTS:
1. FIRE FIGHTING ACTIVITIES
2. FIRE HYDRANT FLUSHING
3. POTABLE WATER SOURCES INCLUDING WATER LINE FLUSHING.
4. IRRIGATION DRAINAGE
5. AIR CONDITIONING CONDENSATE
6. SPRINGS
7. UNCONTAMINATED GROUND WATER
8. FOUNDATION OR FOOTING DRAINS.

III. IMPLEMENTATION:

PLANNED CONSTRUCTION PHASING AND REQUIRED SPECIFIC SEDIMENT AND EROSION CONTROL MEASURES.

A. PHASE 1 DEMOLITION AND CLEARING: CONSTRUCTION OF THE TREE PROTECTION FENCING; SECURING THE SITE WITH CONSTRUCTION FENCING; ESTABLISHING A CONSTRUCTION EXIT AND A LAYDOWN PAD WITHIN THE LIMITS OF CONSTRUCTION; WILL BE THE FIRST OPERATIONS ON THE SITE. THE FOLLOWING SHALL APPLY DURING THIS PHASE.

1. INSTALLATION OF "STONE" CONSTRUCTION EXIT SHALL BE DONE TO PREVENT SILT FROM BEING DEPOSITED ON ROADWAYS. ALL WASH WATER SHALL BE DIVERTED TO A SEDIMENT TRAP.
2. SILT FENCES SHALL BE PLACED ON THE DOWN HILL SIDE OF WHEREVER DIRT WILL BE DISTURBED BY GRADING TO PREVENT SILT WASH-OFF INTO STREAMS OR OUTSIDE OF THE LIMITS OF CONSTRUCTION.
3. ALL TREES AND DEBRIS SHALL BE KEPT AWAY FROM DITCHES AND STREAMS SO RUN-OFF ACCUMULATING IN THE DITCHES AND STREAMS WILL NOT CARRY BRANCHES AND LIMBS DOWNSTREAM.
4. NO TOPSOIL REMOVAL OR EARTH MOVING SHALL BE DONE DURING THIS PHASE OF CONSTRUCTION. IF GENERAL CONTRACTOR WILL BE REMOVING TREES BY PUSHING THEM OVER WITH A DOZER RESULTING IN DISTURBANCE OF GROUND SURFACE AND TOPSOIL, REFER TO NEXT PHASE FOR REQUIREMENTS.

B. PHASE 2 PAVEMENT DEMOLITION, TOPSOIL STRIPING AND STOCKPILING: THIS IS THE PHASE AFTER ALL TREE REMOVAL, STUMP AND DEBRIS REMOVAL. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON THE SITE. THE FOLLOWING REQUIREMENTS SHALL APPLY DURING THIS PHASE OF CONSTRUCTION.

1. ALL DITCHES AND WATERWAYS SHALL BE PROTECTED TO THE EXTENT POSSIBLE.
2. SILT FENCES OR DOUBLE SILT FENCES SHALL BE INSTALLED ALONG THE LOW SIDE OF THE SITE WHERE RUN-OFF FROM THE WORK AREA WILL LEAVE SITE OR ENTER A DITCH.
3. SWALES AND DIVERSIONS SHALL BE CONSTRUCTED WHERE SHOWN TO DIVERT RUN-OFF AWAY FROM THE WORK AREA OR STREAM AND INTO SILT TRAPS, BASINS, OR OTHER SILT REMOVAL FEATURES.
4. SEDIMENT BASIN & TRAPS SHALL BE INSTALLED WHERE SHOWN ON THE PLANS IN ACCORDANCE WITH DETAILS SHOWN TO CATCH RUNOFF AND FILTER IT PRIOR TO DISCHARGE FROM THE SITE.
5. THE GENERAL CONTRACTOR SHALL LOCATE A TOPSOIL STOCKPILE AREA ONSITE AND INSTALL ADDITIONAL SILT FENCING AROUND STOCKPILE AREA AS NECESSARY TO PREVENT SILT WASH-OFF FROM THE SITE AND/OR INTO WATERWAYS.

C. PHASE 3 GRADING OPERATIONS: THIS PHASE IS THAT TIME WHEN THE EARTH IS BEING MOVED FROM ONE PORTION OF THE SITE TO ANOTHER OR IS BEING HAULED INTO OR HAULED OFF FROM THE SITE. THIS IS A CRITICAL TIME WHEN SEDIMENT AND EROSION CONTROL FACILITIES MUST BE CONSTANTLY CHECKED TO BE SURE THEY ARE EFFECTIVE AND CONSTANTLY CHANGED TO MEET THE CURRENT CONDITIONS. THE FOLLOWING WILL APPLY TO THIS STAGE OF CONSTRUCTION.

24. ALL SEDIMENT CONTROL FACILITIES REQUIRED AND INSTALLED DURING PHASE 1 AND 2 SHALL BE LEFT IN PLACE AND MAINTAINED AS THEY ARE APPROPRIATE.
25. WHENEVER A SILT CONTROL FACILITY IS REMOVED BECAUSE OF CHANGING SITE CONDITIONS IT SHALL BE REPLACED WITH ANOTHER MEASURE THAT WILL BE PART OF THE PROGRAM OF SILT AND EROSION CONTROL.
26. CUT SLOPES SHALL BE PROTECTED BY CONSTRUCTING SWALES AT THE TOP OF CUT SLOPES TO INTERCEPT RUNOFF UPGRADE FROM FLOWING DOWN SLOPES UNCONTROLLED. SWALES AND DIVERSIONS WILL BE CONSTRUCTED WHERE SHOWN ON PLANS WITH CHECK DAMS CONSTRUCTED IN SWALES AS NECESSARY TO PREVENT EROSION AND SILTATION.
27. FILL SLOPES SHALL BE PROTECTED BY THE CONSTRUCTION OF BERMS AT THE TOP OF ALL FILL SLOPES TO PREVENT UNCONTROLLED RUNOFF DRAINING DOWN FACE OF SLOPES AND CAUSING EROSION AND SILTATION.
28. RUNOFF ACCUMULATING IN BERMS FROM UPGRADE RUNOFF SHALL BE DIRECTED ALONG BERM TO CONTROL POINTS THAT WILL CARRY RUNOFF DOWN THE SLOPE.
29. SILT FENCES SHALL BE IN PLACE AT THE TOE OF ALL FILL SLOPES.
30. TERRACES, BERMS, AND SWALES SHALL BE CONSTRUCTED AT INTERMEDIATE LOCATIONS THROUGHOUT THE SITE AS NECESSARY TO CONTROL EROSION AND SEDIMENT TRANSPORT. THESE DIVERSION FACILITIES SHALL BE SUPPLEMENTED AS NECESSARY WITH SILT FENCES AND RIP-RAP FILTER BERMS TO FILTER ACCUMULATED SEDIMENT FROM RUNOFF PRIOR TO DISCHARGE FROM THE SITE.
31. CUT AND FILL SLOPES 2:1 OR STEEPER SHALL BE STABILIZED WITH SURFACE ROUGHENING TECHNIQUES, HYDROSEEDING, AND EROSION CONTROL MATTING OR BLANKETS PER THE PLANS AND SPECIFICATIONS.
32. SLOPES (CUT AND FILL) THAT ARE CONSTRUCTED IN THE FINAL CONFIGURATION SHALL BE COVERED WITH MINIMUM 4" OF TOPSOIL AND GRASSED AND MULCHED AS SOON AS GRADING IS COMPLETE SO VEGETATION CAN PROTECT SLOPE.
33. PORTIONS OF THE SITE THAT ARE GRADED TO FINAL GRADE AND ARE NOT TO RECEIVE PAVEMENT OR BUILDINGS SHOULD HAVE MINIMUM 4" OF TOPSOIL SPREAD OVER THE SURFACE AND GRASSED AS SOON AS POSSIBLE IN CONSTRUCTION PROCESS. THIS PHASE OF CONSTRUCTION IS CRITICAL IN THE EROSION AND SILT CONTROL PROCESS.
34. STORM SEWERS NEED TO BE INSTALLED AS SOON AS POSSIBLE IN THE CONSTRUCTION PROCESS AND CONCURRENT WITH GRADING OPERATIONS TO ENSURE A SUCCESSFUL PROGRAM. RUNOFF SHALL BE DIRECTED TO STORM SEWER SYSTEM AS SOON AS POSSIBLE.
35. SEDIMENT TRAPS SHALL BE CLEANED OF EXCESS SEDIMENT WHEN SEDIMENT REACHES ONE HALF OF THE CAPACITY.
36. SEDIMENT BASIN SHALL BE CLEANED OF EXCESS SEDIMENT WHEN SEDIMENT REACHES 1/3 FULL.

D. PHASE 4 UTILITY DEMOLITION, STORM DRAINAGE AND UTILITY INSTALLATION: THIS PHASE WILL BE DONE BEFORE, AFTER OR CONCURRENT WITH THE GRADING PHASE. STORM SEWERS SHALL BE INSTALLED AND PUT INTO SERVICE AS EARLY IN THE GRADING PROCESS AS POSSIBLE. THE FOLLOWING WILL APPLY TO THIS PHASE OF CONSTRUCTION:

1. ALL ASPECTS OF THE PREVIOUS PHASES SHALL BE MAINTAINED AS APPLICABLE.
2. STORM SEWERS THAT ARE INSTALLED SHALL BE PUT INTO SERVICE IMMEDIATELY. THE INLETS OF ALL STORM SEWERS SHALL BE PROTECTED WITH SILT TRAPS THAT PREVENT SEDIMENT FROM ENTERING PIPE. THIS PROTECTION CAN BE RIP-RAP FILTER BERMS OR OTHER MEASURES AS APPLICABLE AND AS SHOWN ON THE PLANS.
3. RIP-RAP AS SHOWN ON THE PLANS AND AS REQUIRED ON THE SITE WILL BE INSTALLED AT PIPE OUTLETS TO PREVENT EROSION DUE TO VELOCITIES OF WATER IN THE PIPES. THE RIP-RAP SHALL BE EXTENDED DOWNSTREAM AS NEEDED TO PREVENT EROSION.
4. ADDITIONAL SILT FENCING SHALL BE INSTALLED AS NECESSARY TO PREVENT EROSION AND SILTATION RESULTING FROM STOCKPILED EXCAVATION MATERIAL FROM UTILITY REMOVAL AND/OR INSTALLATION OPERATIONS.
5. CHECK DAMS SHALL BE INSTALLED IN ALL NEWLY CONSTRUCTED DITCHES AND SWALES AS NECESSARY TO PREVENT EROSION AND SILTATION.

E. PHASE 5 FINISH GRADING, CURB AND PAVEMENT INSTALLATION, AND LANDSCAPING: THIS IS THE WRAP-UP STAGE WHEN ALL TEMPORARY SEDIMENT AND EROSION CONTROL MEASURES WILL BE PHASED OUT. THE FOLLOWING WILL APPLY TO THIS PHASE:

1. ALL FACILITIES FROM PHASE 1 THROUGH PHASE 4 WILL BE MAINTAINED AS APPROPRIATE AND REMOVED WHEN NEED NO LONGER EXISTS.
2. SEDIMENT TRAPS AROUND DRAINAGE INLETS WILL BE MAINTAINED, MODIFIED AS NECESSARY AND REMOVED WHEN NEED IS GONE.
3. ALL AREAS NOT RECEIVING PAVEMENT OR BUILDINGS SHALL HAVE MINIMUM FOUR INCHES (4") OF TOPSOIL SPREAD OVER AREA AND GRASSED PER PLAN, OR HAVE LANDSCAPING, MULCHING AND OR SOD INSTALLED AS APPLICABLE.
4. LANDSCAPING/SEEDING: REFER TO DETAIL SHEETS FOR ACTUAL REQUIREMENTS FOR THE INSTALLATION OF LIME, FERTILIZER, SEED AND MULCH. GRASSING OPERATIONS SHALL BE DONE THROUGHOUT CONSTRUCTION PROCESS AT THOSE TIMES WHEN PORTIONS OF THE SITE ARE FINISHED AND READY FOR PERMANENT GROUND COVER. THIS WILL REQUIRE MULTIPLE EFFORTS BY THE GENERAL CONTRACTOR TO STABILIZE ALL IMPACTED AREAS OF THE SITE IN AN ORDERLY FASHION. NO AREA OF THE SITE THAT HAS RECEIVED FINAL GRADE SHALL BE LEFT FOR MORE THAN FOURTEEN (14) DAYS WITHOUT THE APPLICATION OF SEED AND MULCH.

IV. INSPECTION INSTRUCTIONS:

A. GENERAL CONTRACTOR (PRIMARY PERMITTEE) REQUIREMENTS.

1. THE GENERAL CONTRACTOR SHALL NOTIFY THE ENGINEER TO INSPECT THE INSTALLATION OF THE CONTROL MEASURES (BMPs) WITHIN SEVEN (7) DAYS AFTER THE INITIAL CONSTRUCTION ACTIVITIES COMMENCE. THE ENGINEER SHALL REPORT THE RESULTS OF THE INSPECTION TO THE GENERAL CONTRACTOR WITHIN SEVEN (7) DAYS AND THE GENERAL CONTRACTOR MUST CORRECT ALL DEFICIENCIES WITHIN TWO (2) BUSINESS DAYS OF RECEIPT OF THE INSPECTION REPORT FROM THE ENGINEER UNLESS WEATHER RELATED SITE CONDITIONS ARE SUCH THAT ADDITIONAL TIME IS REQUIRED.

2. EACH DAY WHEN ANY TYPE OF CONSTRUCTION ACTIVITY HAS TAKEN PLACE AT A PRIMARY PERMITTEE'S SITE, CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE SHALL INSPECT: (a) ALL AREAS AT THE PRIMARY PERMITTEE'S SITE WHERE PETROLEUM PRODUCTS ARE STORED, USED, OR HANDLED FOR SPILLS AND LEAKS FROM VEHICLES AND EQUIPMENT; (b) ALL LOCATIONS AT THE PRIMARY PERMITTEE'S SITE WHERE VEHICLES ENTER OR EXIT THE SITE FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

3. MEASURE RAINFALL ONCE EVERY 24 HOURS EXCEPT ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY AND NON-WORKING FEDERAL HOLIDAY UNTIL A NOTICE OF TERMINATION IS SUBMITTED. MEASUREMENT OF RAINFALL MAY BE SUSPENDED IF ALL AREAS OF THE SITE HAVE UNDERGONE FINAL STABILIZATION OR ESTABLISHED A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET PERENNIALS APPROPRIATE FOR THE REGION. A RAINFALL GAUGE WILL BE PLACED ON-SITE IN THE VICINITY OF THE GRADING OPERATIONS. THE RESULTS RECORDED IN A LOG ARE TO BE KEPT ON-SITE. ENGINEER CAN PROVIDE, UPON REQUEST, A FORM FOR RECORDING DAILY RAINFALL.

4. CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT THE FOLLOWING AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES RAINFALL OR GREATER (UNLESS SUCH STORM ENDS AFTER 5:00 PM ON ANY FRIDAY OR ON ANY NON-WORKING SATURDAY, NON-WORKING SUNDAY OR ANY NON-WORKING FEDERAL HOLIDAY IN WHICH CASE THE INSPECTION SHALL BE COMPLETED BY THE END OF THE NEXT BUSINESS DAY AND/OR WORKING DAY, WHICHEVER OCCURS FIRST): (a) DISTURBED AREAS OF THE PRIMARY PERMITTEE'S CONSTRUCTION SITE; (b) AREAS USED BY THE PRIMARY PERMITTEE FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION; AND (c) STRUCTURAL CONTROL MEASURES.

EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN APPLICABLE TO THE PRIMARY PERMITTEE'S SITE SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATER(S). FOR AREAS OF A SITE THAT HAVE UNDERGONE FINAL STABILIZATION, THE PERMITTEE MUST COMPLY WITH PART IV.D.4.A.(4) OF THE PERMIT. THESE INSPECTIONS MUST BE CONDUCTED UNTIL A NOTICE OF TERMINATION IS SUBMITTED.

5. CERTIFIED PERSONNEL (PROVIDED BY THE PRIMARY PERMITTEE) SHALL INSPECT AT LEAST ONCE PER MONTH DURING THE TERM OF THIS PERMIT (I.E., UNTIL A NOTICE OF TERMINATION IS 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 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).

6. 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.

7. A REPORT OF EACH INSPECTION AND THE NAME(S) OF CERTIFIED PERSONNEL MAKING EACH INSPECTION, THE DATE(S) OF EACH INSPECTION, CONSTRUCTION PHASE (I.E. INITIAL, INTERMEDIATE OR FINAL) MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN AND ACTIONS TAKEN IN ACCORDANCE WITH PART IV.D.4.A(5) OF THE PERMIT AND SHALL BE MADE AND RETAINED AT THE SITE OR BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION UNTIL THE ENTIRE SITE OR THAT PORTION OF A CONSTRUCTION PROJECT THAT HAS BEEN PHASED HAS UNDERGONE FINAL STABILIZATION AND A NOTICE OF TERMINATION IS SUBMITTED TO EPD. SUCH REPORTS SHALL BE READILY AVAILABLE BY END OF THE SECOND BUSINESS DAY AND/OR WORKING DAY AND SHALL IDENTIFY ALL INCIDENTS OF BEST MANAGEMENT PRACTICES THAT HAVE NOT BEEN PROPERLY INSTALLED AND/OR MAINTAINED AS DESCRIBED IN THE PLAN. WHERE THE REPORT DOES NOT IDENTIFY ANY INCIDENTS, THE INSPECTION REPORT SHALL CONTAIN A CERTIFICATION THAT THE BEST MANAGEMENT PRACTICES ARE IN COMPLIANCE WITH THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART V.G.2. OF THE PERMIT.

V. MAINTENANCE REQUIREMENTS:

A. MAINTAINING EFFECTIVENESS: GENERAL CONTRACTOR SHALL INSPECT OVERALL PERFORMANCE OF EROSION AND SEDIMENT CONTROL FACILITIES AND AREAS DOWNSTREAM. IF SILT IS APPARENT DOWNSTREAM FROM STRUCTURES, SOME FAILURE HAS OCCURRED. IF SEDIMENT IS OBSERVED DOWNSTREAM, TAKE CORRECTIVE MEASURES AS NECESSARY OR NOTIFY THE ENGINEER. ENGINEER WILL INSPECT THE CONDITION AND AFTER INSPECTION DIRECT THE REMOVAL OF ACCUMULATED SEDIMENT DOWNSTREAM AND ADDITIONAL STRUCTURAL MEASURES AS NECESSARY. GENERAL CONTRACTOR SHALL IMPLEMENT RECOMMENDED SOLUTIONS TO PROBLEM AREAS AS RECOMMENDED.

1. SEDIMENT BASINS & TRAPS WILL BE CHECKED REGULARLY FOR SEDIMENT CLEANOUT. SEDIMENT SHALL BE REMOVED AND THE BASIN OR TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO ONE-THIRD (1/3) FOR BASINS AND ONE-HALF (1/2) FOR TRAPS OF THE DESIGN VOLUME OF THE WET STORAGE. SEDIMENT REMOVED SHALL BE DEPOSITED IN SUITABLE AREAS AND IN SUCH A MANNER THAT IT WILL NOT ERODE AND CAUSE SEDIMENTATION PROBLEMS.

2. GRAVEL OUTLETS AND CHECK DAMS WILL BE CHECKED REGULARLY FOR SEDIMENT BUILDUP WHICH WILL PREVENT DRAINAGE. IF THE GRAVEL IS CLOGGED BY SEDIMENT, IT SHALL BE REMOVED AND CLEANED OR REPLACED.

3. SILT FENCE BARRIERS WILL BE CHECKED REGULARLY FOR UNDERMINING OR DETERIORATION OF THE FABRIC. SEDIMENT SHALL BE REMOVED WHEN THE LEVEL OF SEDIMENT DEPOSITION REACHES HALF WAY TO THE TOP OF THE BARRIER.

4. SEEDED AREAS WILL BE CHECKED REGULARLY TO ENSURE THAT A GOOD STAND IS MAINTAINED. AREAS SHOULD BE FERTILIZED AND RESEEDED AS NEEDED.

5. IF ANY FACILITY IS DAMAGED DURING MAINTENANCE THE DAMAGED PORTION SHALL BE REMOVED AND REPLACED ACCORDING TO THE INDICATED DETAIL.

6. IF SILT HAS CLOGGED SEDIMENT CONTROL FACILITY AND IT IS NO LONGER EFFECTIVE IN FILTERING SILT, THE STRUCTURE SHALL BE REMOVED AND REPLACED WITH A NEW STRUCTURE IN ACCORDANCE WITH APPLICABLE DETAIL.

7. CONSTRUCTION ENTRANCE SHALL HAVE ADDITIONAL STONE ADDED AS MUD COVERS STONE. TIRES SHALL BE WASHED PRIOR TO GOING INTO THE STREET AND THE DISCHARGE SHALL BE DIVERTED TO A TEMPORARY SEDIMENT TRAP.

VI. SAMPLING REQUIREMENTS:

THIS PERMIT REQUIRES THE MONITORING OF NEPHELOMETRIC TURBITITY IN RECEIVING WATER(S) OR OUTFALLS IN ACCORDANCE WITH THE PERMIT. THE FOLLOWING PROCEDURES CONSTITUTE EPD'S GUIDELINES FOR SAMPLING TURBIDITY.

A. ALLOWABLE NTU LIMITS:

MONITORING LOCATION
DRAINAGE AREA = ±0.02 SQ MILES
SIZE OF SITE = 8.47 ACRES
SITE DISTURBED AREA(AC.) = ±7.81 ACRES
FROM APPENDIX B IN THE PERMIT (WARM WATER FISHERIES STREAM)
NTU LIMITS FOR MONITORING = 75 NTU

B. SAMPLE TYPES:
ALL SAMPLING SHALL BE COLLECTED BY "GRAB SAMPLES" AND THE ANALYSIS OF THESE SAMPLES MUST BE CONDUCTED IN ACCORDANCE WITH METHODOLOGY AND TEST PROCEDURES ESTABLISHED BY 40 CFR PART 136 (UNLESS OTHER TEST PROCEDURES HAVE BEEN APPROVED); THE GUIDANCE DOCUMENT TITLED "NPDES STORM WATER SAMPLING GUIDANCE DOCUMENT, EPA 833-B-92-001" AND GUIDANCE DOCUMENTS THAT MAY BE PREPARED BY THE EPD.

1. SAMPLE CONTAINERS SHOULD BE LABELED PRIOR TO COLLECTING THE SAMPLES

2. SAMPLES SHOULD BE WELL MIXED BEFORE TRANSFERRING TO A SECONDARY CONTAINER.

3. LARGE MOUTH, WELL CLEANED AND RINSED GLASS OR PLASTIC JARS SHOULD BE USED FOR COLLECTING SAMPLES. THE JARS SHOULD BE CLEANED THOROUGHLY TO AVOID CONTAMINATION.

4. MANUAL, AUTOMATIC OR RISING STAGE SAMPLING MAY BE UTILIZED. SAMPLES REQUIRED BY THIS PERMIT SHOULD BE ANALYZED IMMEDIATELY, BUT IN NO CASE LATER THAN 48 HOURS AFTER COLLECTION. HOWEVER, SAMPLES FROM AUTOMATIC SAMPLERS MUST BE COLLECTED NO LATER THAN THE NEXT BUSINESS DAY AFTER THEIR ACCUMULATION, UNLESS FLOW THROUGH AUTOMATED ANALYSIS IS UTILIZED. IF AUTOMATIC SAMPLING IS UTILIZED AND THE AUTOMATIC SAMPLER IS NOT ACTIVATED DURING THE QUALIFYING EVENT, THE PERMITTEE MUST UTILIZE MANUAL SAMPLING OR RISING STAGE SAMPLING DURING THE NEXT QUALIFYING EVENT. DILUTION OF SAMPLES IS NOT REQUIRED. SAMPLES MAY BE ANALYZED DIRECTLY WITH A PROPERLY CALIBRATED TURBIDIMETER. SAMPLES ARE NOT REQUIRED TO BE COOLED.

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

C. SAMPLING POINTS:

1. THE PRIMARY PERMITTEE MUST SAMPLE ALL RECEIVING WATER(S), OR ALL OUTFALL(S), OR A COMBINATION OF RECEIVING WATER(S) AND OUTFALL(S). SAMPLES TAKEN FOR THE PURPOSE OF COMPLIANCE WITH THIS PERMIT SHALL BE REPRESENTATIVE OF THE MONITORED ACTIVITY AND REPRESENTATIVE OF THE WATER QUALITY OF THE RECEIVING WATER(S) AND/OR THE STORM WATER OUTFALLS USING THE FOLLOWING MINIMUM GUIDELINES:

a. THE UPSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN IMMEDIATELY UPSTREAM OF THE CONFLUENCE OF THE FIRST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST UPSTREAM AT THE SITE) BUT DOWNSTREAM OF ANY OTHER STORM WATER DISCHARGES NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL UPSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE UPSTREAM TURBIDITY VALUE.

b. THE DOWNSTREAM SAMPLE FOR EACH RECEIVING WATER(S) MUST BE TAKEN DOWNSTREAM OF THE CONFLUENCE OF THE LAST STORM WATER DISCHARGE FROM THE PERMITTED ACTIVITY (I.E., THE DISCHARGE FARTHEST DOWNSTREAM AT THE SITE) BUT UPSTREAM OF ANY OTHER STORM WATER DISCHARGE NOT ASSOCIATED WITH THE PERMITTED ACTIVITY. WHERE APPROPRIATE, SEVERAL DOWNSTREAM SAMPLES FROM ACROSS THE RECEIVING WATER(S) MAY NEED TO BE TAKEN AND THE ARITHMETIC AVERAGE OF THE TURBIDITY OF THESE SAMPLES USED FOR THE DOWNSTREAM TURBIDITY VALUE.

c. IDEALLY THE SAMPLES SHOULD BE TAKEN FROM THE HORIZONTAL AND VERTICAL CENTER OF THE RECEIVING WATER(S) OR THE STORM WATER OUTFALL CHANNEL(S).

d. CARE SHOULD BE TAKEN TO AVOID STIRRING THE BOTTOM SEDIMENTS IN THE RECEIVING WATER(S) OR IN THE OUTFALL STORM WATER CHANNEL.

e. THE SAMPLING CONTAINER SHOULD BE HELD SO THAT THE OPENING FACES UPSTREAM.

f. THE SAMPLES SHOULD BE FREE FROM FLOATING DEBRIS.

g. PERMITTEES DO NOT HAVE TO SAMPLE SHEETFLOW THAT FLOWS ONTO UNDISTURBED NATURAL AREAS OR AREAS STABILIZED BY THE PROJECT. FOR PURPOSES OF THIS SECTION, STABILIZED SHALL MEAN, FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES AND AREAS LOCATED OUTSIDE THE WASTE DISPOSAL LIMITS OF A LANDFILL CELL THAT HAS BEEN CERTIFIED BY EPD FOR WASTE DISPOSAL, 100% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION WITH A DENSITY OF 70% OR GREATER, OR LANDSCAPED ACCORDING TO THE PLAN (UNIFORMLY COVERED WITH LANDSCAPING MATERIALS IN PLANNED LANDSCAPED AREAS), OR EQUIVALENT PERMANENT STABILIZATION MEASURES AS DEFINED IN THE MANUAL (EXCLUDING A CROP OF ANNUAL VEGETATION AND A SEEDING OF TARGET CROP PERENNIALS APPROPRIATE FOR THE REGION).

h. ALL SAMPLING PURSUANT TO THIS PERMIT MUST BE DONE IN SUCH A WAY (INCLUDING GENERALLY ACCEPTED SAMPLING METHODS, LOCATIONS, TIMING, AND FREQUENCY) AS TO ACCURATELY REFLECT WHETHER STORM WATER RUNOFF FROM THE CONSTRUCTION SITE IS IN COMPLIANCE WITH THE STANDARD SET FORTH IN PARTS III.D.3 OR III.D.4 OF THE PERMIT, WHICHEVER IS APPLICABLE.

2. SUGGESTED MONITORING LOCATIONS FOR THIS PROJECT ARE SHOWN ON SHEETS C-2.1 THRU C-2.3.

D. SAMPLING FREQUENCY.

1. THE PRIMARY PERMITTEE MUST SAMPLE IN ACCORDANCE WITH THE PLAN AT LEAST ONCE FOR EACH RAINFALL EVENT DESCRIBED BELOW. FOR A QUALIFYING EVENT, THE PERMITTEE SHALL SAMPLE AT THE BEGINNING OF ANY STORM WATER DISCHARGE TO A MONITORED RECEIVING WATER AND/OR FROM A MONITORED OUTFALL LOCATION WITHIN FORTY-FIVE (45) MINUTES OR AS SOON AS POSSIBLE.

2. HOWEVER, WHERE MANUAL AND AUTOMATIC SAMPLING ARE IMPOSSIBLE (AS DEFINED IN THE PERMIT), OR ARE BEYOND THE PERMITTEE'S CONTROL, THE PERMITTEE SHALL TAKE SAMPLES AS SOON AS POSSIBLE, BUT IN NO CASE MORE THAN TWELVE (12) HOURS AFTER THE BEGINNING OF THE STORM WATER DISCHARGE.

SAMPLING BY THE PERMITTEE SHALL OCCUR FOR THE FOLLOWING EVENTS:

a. FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING STREAM, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* (MONDAY THRU FRIDAY, 8:00 AM TO 5:00 PM AND SATURDAY 8:00 AM TO 5:00 PM EXCLUDING ALL NON-WORKING FEDERAL HOLIDAYS, WHEN CONSTRUCTION ACTIVITY IS BEING CONDUCTED BY THE PRIMARY PERMITTEE) THAT OCCURS AFTER ALL CLEARING AND GRUBBING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO COMPLETION OF MASS GRADING OPERATIONS, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION;

b. IN ADDITION TO (a) ABOVE, FOR EACH AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR WATER FROM AN OUTFALL, THE FIRST RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING DURING NORMAL BUSINESS HOURS* THAT OCCURS EITHER 90 DAYS AFTER THE FIRST SAMPLING EVENT OR AFTER ALL MASS GRADING OPERATIONS HAVE BEEN COMPLETED, BUT PRIOR TO SUBMITTAL OF A NOT, IN THE DRAINAGE AREA OF THE LOCATION SELECTED AS THE SAMPLING LOCATION, WHICHEVER COMES FIRST;

c. AT THE TIME OF THE SAMPLING PERFORMED PURSUANT TO (a) AND (b) ABOVE, IF BMP'S IN ANY AREA OF THE SITE THAT DISCHARGES TO A RECEIVING WATER OR WATER FROM AN OUTFALL ARE NOT PROPERLY DESIGNED, INSTALLED AND MAINTAINED, CORRECTIVE ACTION SHALL BE DEFINED AND IMPLEMENTED WITHIN 2 BUSINESS DAYS, AND TURBIDITY SAMPLES SHALL BE TAKEN FROM DISCHARGES FROM THAT AREA OF THE SITE FOR EACH SUBSEQUENT RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH DURING NORMAL BUSINESS HOURS* UNTIL THE SELECTED TURBIDITY STANDARD IS ATTAINED, OR UNTIL POST-STORM EVENT INSPECTIONS DETERMINE THAT BMPS ARE PROPERLY DESIGNED, INSTALLED AND MAINTAINED;

d. WHERE SAMPLING PURSUANT TO (a), (b) OR (c) ABOVE IS REQUIRED BUT NOT POSSIBLE (OR NOT REQUIRED BECAUSE THERE WAS NO DISCHARGE), THE PERMITTEE, IN ACCORDANCE WITH PART IV.D.4.a.(6), MUST INCLUDE A WRITTEN JUSTIFICATION IN THE INSPECTION REPORT OF WHY SAMPLING WAS NOT PERFORMED. PROVIDING THIS JUSTIFICATION DOES NOT RELIEVE THE PERMITTEE OF ANY SUBSEQUENT SAMPLING OBLIGATIONS UNDER (a), (b) OR (c) ABOVE; AND

e. EXISTING CONSTRUCTION ACTIVITIES, I.E., THOSE THAT ARE OCCURRING ON OR BEFORE THE EFFECTIVE DATE OF THIS PERMIT, THAT HAVE MET THE SAMPLING REQUIRED BY (a) ABOVE SHALL SAMPLE IN ACCORDANCE WITH (b). THOSE EXISTING CONSTRUCTION ACTIVITIES THAT HAVE MET THE SAMPLING REQUIRED BY (b) ABOVE SHALL NOT BE REQUIRED TO CONDUCT ADDITIONAL SAMPLING OTHER THAN AS REQUIRED BY (c) ABOVE.

*NOTE THAT THE PERMITTEE MAY CHOOSE TO MEET THE REQUIREMENTS OF (a) AND (b) ABOVE BY COLLECTING TURBIDITY SAMPLES FROM ANY RAIN EVENT THAT REACHES OR EXCEEDS 0.5 INCH AND ALLOWS FOR MONITORING AT ANY TIME OF THE DAY OR WEEK.

VII. REPORTING

A. THE APPLICABLE PERMITTEES ARE REQUIRED TO SUBMIT THE SAMPLING RESULTS TO THE EPD AT THE ADDRESS SHOWN IN PART II.C. BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORMWATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G.2. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI.

B. ALL SAMPLING REPORTS SHALL INCLUDE THE FOLLOWING INFORMATION:

1. THE RAINFALL AMOUNT, DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;

2. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE SAMPLING AND MEASUREMENTS;

3. THE DATE(S) ANALYSES WERE PERFORMED;

4. THE TIME(S) ANALYSES WERE INITIATED;

5. THE NAME(S) OF THE CERTIFIED PERSONNEL WHO PERFORMED THE ANALYSES;

6. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED;

7. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS;

8. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU;" AND

9. CERTIFICATION STATEMENT THAT SAMPLING WAS CONDUCTED AS PER THE PLAN.

C. ALL WRITTEN CORRESPONDENCE REQUIRED BY THIS PERMIT SHALL BE SUBMITTED BY RETURN RECEIPT CERTIFIED MAIL (OR SIMILAR SERVICE) TO THE APPROPRIATE DISTRICT OFFICE OF THE EPD ACCORDING TO THE SCHEDULE IN APPENDIX A OF THIS PERMIT. THE PERMITTEE SHALL RETAIN A COPY OF THE PROOF OF SUBMITTAL AT THE CONSTRUCTION SITE OR THE PROOF OF SUBMITTAL SHALL BE READILY AVAILABLE AT A DESIGNATED LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI. IF AN ELECTRONIC SUBMITTAL IS PROVIDED BY EPD THEN THE WRITTEN CORRESPONDENCE MAY BE SUBMITTED ELECTRONICALLY; IF REQUIRED, A PAPER COPY MUST BE SUBMITTED BY RETURN RECEIPT MAIL OR SIMILAR SERVICE.

VIII. RETENTION OF RECORDS.

A. THE PRIMARY PERMITTEE SHALL RETAIN THE FOLLOWING RECORDS AT THE CONSTRUCTION SITE OR THE RECORDS SHALL BE READILY AVAILABLE AT A DESIGNATED ALTERNATE LOCATION FROM COMMENCEMENT OF CONSTRUCTION UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THE PERMIT:

1. A COPY OF ALL NOTICES OF INTENT SUBMITTED TO EPD;
2. A COPY OF THE EROSION, SEDIMENTATION AND POLLUTION CONTROL PLAN REQUIRED BY THE PERMIT;
3. THE DESIGN PROFESSIONAL'S REPORT OF THE RESULTS OF THE INSPECTION CONDUCTED IN ACCORDANCE WITH PART IV.A.5. OF THE PERMIT;
4. A COPY OF ALL MONITORING INFORMATION, RESULTS, AND REPORTS REQUIRED BY THE PERMIT;
5. A COPY OF ALL INSPECTION REPORTS GENERATED IN ACCORDANCE WITH PART IV.D.4.A. OF THE PERMIT;
6. A COPY OF ALL VIOLATION SUMMARIES AND VIOLATION SUMMARY REPORTS GENERATED IN ACCORDANCE WITH PART III.D.2. OF THE PERMIT; AND
7. DAILY RAINFALL INFORMATION COLLECTED IN ACCORDANCE WITH PART IV.D.4.A.(1)(C) OF THE PERMIT.

B. COPIES OF ALL NOTICES OF INTENT, NOTICES OF TERMINATION, REPORTS, PLANS, MONITORING REPORTS, MONITORING INFORMATION, INCLUDING ALL CALIBRATION AND MAINTENANCE RECORDS AND ALL ORIGINAL STRIP CHART RECORDINGS FOR CONTINUOUS MONITORING INSTRUMENTATION, EROSION, SEDIMENTATION AND POLLUTION CONTROL PLANS, RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT AND ALL OTHER RECORDS REQUIRED BY THIS PERMIT SHALL BE RETAINED BY THE PERMITTEE WHO EITHER PRODUCED OR USED IT FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THIS PERMIT. THESE RECORDS MUST BE MAINTAINED AT THE PERMITTEE'S PRIMARY PLACE OF BUSINESS OR AT A DESIGNATED ALTERNATIVE LOCATION ONCE THE CONSTRUCTION ACTIVITY HAS CEASED AT THE PERMITTED SITE. THIS PERIOD MAY BE EXTENDED BY REQUEST OF THE EPD AT ANY TIME UPON WRITTEN NOTIFICATION TO THE PERMITTEE.

C. REPORT SUBMITTAL: ALL WRITTEN CORRESPONDENCE REQUIRED BY THE PERMIT SHALL BE SUBMITTED BY "RETURN RECEIPT CERTIFIED MAIL" (OR SIMILAR SERVICE) TO:

MOUNTAIN DISTRICT-ATLANTA SATELLITE
GEORGIA ENVIRONMENTAL PROTECTION DIVISION
4244 INTERNATIONAL PARKWAY, SUITE 114
ATLANTA, GA 30354-3906
(404) 362-2671

D. THE PERMITTEE IS REQUIRED TO SUBMIT A SUMMARY OF THE MONITORING RESULTS TO THE EPD AT THE ADDRESS SHOWN BY THE FIFTEENTH DAY OF THE MONTH FOLLOWING THE REPORTING PERIOD. REPORTING PERIODS ARE MONTHS DURING WHICH SAMPLES ARE TAKEN IN ACCORDANCE WITH THIS PERMIT. SAMPLING RESULTS SHALL BE IN A CLEARLY LEGIBLE FORMAT. UPON WRITTEN NOTIFICATION, EPD MAY REQUIRE THE APPLICABLE PERMITTEE TO SUBMIT THE SAMPLING RESULTS ON A MORE FREQUENT BASIS. SAMPLING AND ANALYSIS OF ANY STORM WATER DISCHARGE(S) OR THE RECEIVING WATER(S) BEYOND THE MINIMUM FREQUENCY STATED IN THIS PERMIT MUST BE REPORTED IN A SIMILAR MANNER TO THE EPD. THE SAMPLING REPORTS MUST BE SIGNED IN ACCORDANCE WITH PART V.G. OF THE PERMIT. SAMPLING REPORTS MUST BE SUBMITTED TO EPD UNTIL SUCH TIME AS A NOT IS SUBMITTED IN ACCORDANCE WITH PART VI OF THE PERMIT.

E. ALL MONITORING RESULTS SHALL INCLUDE THE FOLLOWING INFORMATION:

1. THE DATE, EXACT PLACE AND TIME OF SAMPLING OR MEASUREMENTS;
2. THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE SAMPLING AND MEASUREMENTS;
3. THE DATE(S) ANALYSES WERE PERFORMED;
4. THE TIME(S) ANALYSES WERE INITIATED;
5. THE NAME(S) OF THE INDIVIDUAL(S) WHO PERFORMED THE ANALYSES;
6. REFERENCES AND WRITTEN PROCEDURES, WHEN AVAILABLE, FOR THE ANALYTICAL TECHNIQUES OR METHODS USED; AND
7. THE RESULTS OF SUCH ANALYSES, INCLUDING THE BENCH SHEETS, INSTRUMENT READOUTS, COMPUTER DISKS OR TAPES, ETC., USED TO DETERMINE THESE RESULTS.
8. RESULTS WHICH EXCEED 1000 NTU SHALL BE REPORTED AS "EXCEEDS 1000 NTU".

IX. COMPLETION/FINAL STABILIZATION:

A. PROJECT CLOSE OUT: THE FOLLOWING SHALL BE DONE AT THE END OF THE PROJECT.

1. INSPECT SITE TO BE SURE THAT FINAL STABILIZATION HAS TAKEN PLACE.

2. IF ABOVE INSPECTION IS MADE AND APPROVED BY BOTH OWNER (OR OWNER'S REPRESENTATIVE) AND GENERAL CONTRACTOR, ALL STRUCTURAL FACILITIES SHALL BE REMOVED ALONG WITH ANY ACCUMULATED SILT. THE AREAS DISTURBED BY REMOVAL OF STRUCTURES SHALL BE FINE GRADED, GRASSED AND MULCHED.

3. IF INSPECTION IS MADE AND PROBLEMS EXIST, RESOLVE THE PROBLEM, MAKE THE REPAIR, AND MAKE SUBSEQUENT INSPECTION PRIOR TO REMOVAL.

X. TERMINATION OF COVERAGE

A. NOTICE OF TERMINATION (NOT) ELIGIBILITY. NOTICE OF TERMINATION, SIGNED IN ACCORDANCE WITH PART V.G. OF THE PERMIT MUST BE SUBMITTED:

1. FOR CONSTRUCTION ACTIVITIES, BY THE PERMITTEE WHERE THE ENTIRE STAND ALONE DEVELOPMENT HAS UNDERGONE FINAL STABILIZATION AND ALL STORM WATER DISCHARGES AUTHORIZED BY THE PERMIT HAVE CEASED. FOR CONSTRUCTION ACTIVITIES WHERE THE PRIMARY PERMITTEE HAS ELECTED TO SUBMIT NOIs FOR SEPARATE PHASES OF STAND ALONE DEVELOPMENT, THE PHASE OR PHASES OF THE STAND ALONE DEVELOPMENT ON THE NOT SHALL CORRESPOND TO THE PHASE OR PHASES ON THE NOI AND SHALL HAVE UNDERGONE FINAL STABILIZATION AND ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY THAT ARE AUTHORIZED BY THE PERMIT SHALL HAVE CEASED.

2. BY THE OWNER OR OPERATOR WHEN THE OWNER OR OPERATOR OF THE SITE CHANGES. WHERE STORM WATER DISCHARGES WILL CONTINUE AFTER THE IDENTITY OF THE OWNER OR OPERATOR CHANGES, THE PERMITTEE MUST, PRIOR TO FILING THE NOTICE OF TERMINATION, NOTIFY ANY SUBSEQUENT OWNER OR OPERATOR OF THE PERMITTED SITE AS TO THE REQUIREMENTS OF THE PERMIT; AND

B. NOTICE OF TERMINATION CONTENTS:
1. THE GENERAL CONTRACTOR'S LEGAL NAME, ADDRESS, AND TELEPHONE NUMBER;

2. THE SITE/PROJECT NAME, GPS LOCATION OF A CONSTRUCTION EXIT IN THE FORM DEGREES/MINUTES/SECONDS AS DETERMINED BY GPS UNIT, SITE LOCATION, CITY (IF APPLICABLE) AND COUNTY OF THE SITE FOR WHICH THE NOTIFICATION IS SUBMITTED. THIS INFORMATION MUST CORRESPOND TO THE SIMILAR INFORMATION AS PROVIDED ON THE NOI. WHERE A MAILING ADDRESS FOR THE SITE IS NOT AVAILABLE, THE LOCATION CAN BE DESCRIBED IN NARRATIVE TERMS AND COUNTY WHERE CONSTRUCTION SITE IS LOCATED;

3. THE NPDES PERMIT NUMBER FOR THE STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY IDENTIFIED BY THE NOTICE OF TERMINATION;

4. THE NAME OF THE RECEIVING WATER(S), AND WHEN THE DISCHARGE IS THROUGH A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4), THE NAME OF THE LOCAL GOVERNMENT OPERATING THE MUNICIPAL SEPARATE STORM SEWER SYSTEM AND THE NAME OF THE RECEIVING WATER(S) WHICH RECEIVES THE DISCHARGE FROM THE MS4;

5. ANY INFORMATION SPECIFIED ON THE NOT IN EFFECT AT THE TIME OF SUBMITTAL; AND

6. THE FOLLOWING CERTIFICATION SIGNED IN ACCORDANCE WITH PART V.G. OF THE PERMIT (SIGNATORY REQUIREMENTS):

"I CERTIFY UNDER PENALTY OF LAW THAT EITHER: (A) ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE PORTION OF THE CONSTRUCTION ACTIVITY WHERE I WAS AN OWNER OR OPERATOR HAVE CEASED OR HAVE BEEN ELIMINATED; (B) ALL STORM WATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE IDENTIFIED SITE THAT ARE AUTHORIZED BY GENERAL NPDES PERMIT NO. GAR 100001 HAVE CEASED; (C) I AM NO LONGER AN OWNER OR OPERATOR AT THE CONSTRUCTION SITE AND A NEW OWNER OR OPERATOR HAS ASSUMED OPERATIONAL CONTROL FOR THOSE PORTIONS OF THE CONSTRUCTION SITE WHERE I PREVIOUSLY HAD OWNERSHIP OR OPERATIONAL CONTROL; AND THAT DISCHARGING POLLUTANTS IN STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY TO WATERS OF GEORGIA IS UNLAWFUL UNDER THE GEORGIA WATER QUALITY CONTROL ACT AND THE CLEAN WATER ACT WHERE THE DISCHARGE IS NOT AUTHORIZED BY A NPDES PERMIT."

XI. OTHER CONTROLS:

A. THE DISCHARGE OF HAZARDOUS SUBSTANCES OR OIL IN THE STORM WATER DISCHARGE(S) FROM THE SITE SHALL BE PREVENTED. THE PERMIT DOES NOT RELIEVE THE GENERAL CONTRACTOR OF THE REQUIREMENTS OF GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILL OR RELEASES ACT. WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTING QUANTITY ESTABLISHED UNDER EITHER GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILLS OR RELEASES ACT OCCURS DURING A 24 HOUR PERIOD, THE GENERAL CONTRACTOR IS REQUIRED TO NOTIFY EPD AT (404) 656-4863 OR (800) 241-4113 AND THE NATIONAL RESPONSE CENTER (NRC) AT (800) 424-8802 IN ACCORDANCE WITH THE REQUIREMENTS OF GEORGIA'S OIL OR HAZARDOUS MATERIAL SPILL OR RELEASES ACT AS SOON AS HE/SHE HAS KNOWLEDGE OF THE DISCHARGE.

B. ANY SPILLED OIL, GAS, ETC., RESULTING FROM CONSTRUCTION ACTIVITIES SHALL BE CONTAINED AND CLEANED IMMEDIATELY. CONTAMINATED SOILS SHALL BE DISPOSED OF IN AN APPROVED MANNER AT A LICENSED LANDFILL. IF A SPILL OR LEAK SHOULD OCCUR THE GENERAL CONTRACTOR SHALL SCOOP UP ANY CONTAMINATED DIRT AND PLACE IT IN A DRUM. THE GENERAL CONTRACTOR SHALL THEN CALL THE GEORGIA EPD OR THE NATIONAL RESPONSE CENTER AT THE TELEPHONE NUMBERS LISTED IN (B) ABOVE TO OBTAIN ADDITIONAL INSTRUCTIONS AND DISPOSAL REQUIREMENTS. LOCATION OF TRAILER AND PORT-A-JOHN SHALL BE FIELD DETERMINED TO AVOID CONSTRUCTION ACTIVITIES. LOCATION WILL CHANGE DURING CONSTRUCTION AS APPROPRIATE.

C. DEWATERING OPERATIONS ARE NOT REQUIRED ON THIS PROJECT. IF REQUIRED, PUMPED GROUND WATER SHALL BE ROUTED THROUGH SILT CONTROL FACILITY TO FILTER WATER PRIOR TO DISCHARGE.

D. PROJECT SITE SHALL BE KEPT CLEAR OF ALL HUMAN AND CONSTRUCTION DEBRIS. GENERAL CONTRACTOR SHALL HAVE TRASH COLLECTED WEEKLY AND PLACED IN DUMPSTER TO BE HAULED OFF THE SITE.

E. ALL WATER SUPPLY SHALL BE PROVIDED FROM PUBLIC WATER SUPPLY.

F. ALL HUMAN WASTE SHALL BE IN PORT-A-JOHN OR PUBLIC SEWER SYSTEM TOILET AND DISPOSED OF BY A LICENSED VENDOR OR IN A PUBLIC SANITARY SEWER SYSTEM OR A PRIVATE SEPTIC SYSTEM.

G. LOCATION OF TRAILOR & PORT-A-JOHN SHALL BE FIELD DETERMINED TO AVOID CONSTRUCTION ACTIVITIES. LOCATION WILL CHANGE DURING CONSTRUCTION AS APPROPRIATE.

H. GENERAL CONTRACTOR SHALL IMPLEMENT DUST CONTROL TECHNIQUES TO MINIMIZE SEDIMENT TRANSPORT DUE TO WIND.

I. WASTE DISPOSAL: SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE HAULED OFF-SITE AND DISPOSED OF AT AN APPROVED LANDFILL IN ACCORDANCE WITH THE SPECIFICATIONS. WASTE MATERIALS SHALL NOT BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.

J. OFF-SITE VEHICLE TRACKING OF DIRT, SOILS, AND SEDIMENTS AND THE GENERATION OF DUST SHALL BE MINIMIZED OR ELIMINATED TO THE MAXIMUM EXTENT PRACTICAL. IF DUST IS PROBLEMATIC, THEN THE CONSTRUCTION EXIT AREA SHOULD BE SPRINKLED WITH WATER UNTIL THE SURFACE IS WET OR CALCIUM CHLORIDE MAY BE APPLIED AT RATE THAT WILL KEEP SURFACE MOIST.

GSWCC CERTIFIED DESIGN PROFESSIONAL NO. 4989
EXPIRES 01/28/2021

NO.	REVISION	DATE
1	JURISDICTIONAL COMMENTS	02/26/18
5	OWNER REVISIONS & JURISDICTIONAL COMMENTS	06/29/18

Columbia Engineering
2862 BUFORD HIGHWAY
SUITE 200
DULUTH, GEORGIA 30096
(770) 925-0357

GEORGIA REGISTERED No. 030074 PROFESSIONAL ENGINEER JENNIFER N. LOSURDO

THESE PLANS ARE SUBJECT TO FEDERAL COPYRIGHT LAWS: ANY USE OF SAME WITHOUT THE EXPRESSED WRITTEN PERMISSION OF RACETRAC PETROLEUM, INC. IS PROHIBITED.

RACETRAC PETROLEUM, INC.
200 GALLERIA PARKWAY,
SUITE 900, ATLANTA, GA 30339
(770) 431-7600

COMPREHENSIVE MONITORING PLAN
PEACHTREE CORNERS RACETRAC
PEACHTREE PARKWAY @ ENGINEERING DR
PEACHTREE CORNERS, GEORGIA
GWINNETT COUNTY

DRAWN-BY	JCW
DATE	01/15/2018
SCALE	N/A
DRAWING NAME:	4607.00.dwg
C-2.4	1
SHEET NO.	VERSION

Order Plans @ www.LDILine.com