

9. EROSION AND SEDIMENT CONTROLS:

REFER TO THE SWP3 LAYOUT PLAN AND DETAILS FOR A DESCRIPTION OF THE BMPs THAT WILL BE USED TO RETAIN SEDIMENT ON-SITE. REFER TO THE SITE AND OR PROJECT DESCRIPTION DATA IN THESE NOTES FOR A GENERAL TIMING OR SEQUENCE FOR IMPLEMENTATION.

EROSION CONTROL FACILITIES SHALL BE INSTALLED AND MAINTAINED ON THE SITE DURING ALL PHASES OF CONSTRUCTION UNTIL PAVING IS COMPLETE AND VEGETATION ESTABLISHED ON OPEN AREAS. THE METHODS AND SEQUENCE OF IMPROVEMENTS AS DESCRIBED HEREIN SHALL BE CONSIDERED MINIMUM IMPROVEMENTS. THE CONTRACTORS SEQUENCE OF CONSTRUCTION AND WEATHER CONDITIONS MAY DICTATE CONSTRUCTION OF DIFFERENT STORM WATER MANAGEMENT FACILITIES. COORDINATE WITH THE ENGINEER IF SUBSTANTIALLY DIFFERENT METHODS AND FACILITIES ARE ANTICIPATED AT ANY TIME DURING CONSTRUCTION.

TECHNIQUES TO BE USED: TECHNIQUES TO BE USED SHALL BE AS INDICATED BY THE STORM WATER POLLUTION PREVENTION PLAN AND DETAILS. THE GOALS FOR CONTROLLING EROSION SHALL COMPLY WITH THIS PLAN AND SPECIFICATIONS AND SHALL INCLUDE THE FOLLOWING:

- A. WHERE FEASIBLE AND COST EFFECTIVE DIVERT UPSLOPE WATER AROUND DISTURBED AREAS.
- B. LIMIT THE EXPOSURE OF DISTURBED AREAS TO THE SHORTEST DURATION POSSIBLE.
- C. REMOVE SEDIMENT FROM STORM WATER BEFORE IT LEAVES THE SITE BY STABILIZATION OR STRUCTURAL METHODS.

THE CONTRACTOR SHALL MAINTAIN ALONG WITH THE SIGNED EFFECTIVE COPY OF SWP3 DRAWINGS AN UPDATEABLE LIST IDENTIFYING GOOD HOUSEKEEPING PRACTICES IMPLEMENTED TO LIMIT THE OFF-SITE TRANSPORT OF LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION MATERIALS.

10. STABILIZATION PRACTICES:

REFER TO THE SWP3 LAYOUT PLAN FOR A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES FOR THE SITE, INCLUDING A SCHEDULE OF WHEN THE PRACTICES WILL BE IMPLEMENTED.

STABILIZATION PRACTICES SHALL INCLUDE THE FOLLOWING:

- A. PRESERVE EXISTING VEGETATION WHERE POSSIBLE.
- B. STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE, BUT NO MORE THAN 14 DAYS AFTER CONSTRUCTION ACTIVITY HAS CEASED UNLESS CONSTRUCTION WILL RESUME ON THE PORTION OF THE SITE WITHIN 21 DAYS.
- C. PERMANENT STABILIZATION TECHNIQUES SHALL BE AS IDENTIFIED ON THE PLANS. INTERIM STABILIZATION METHODS MAY INCLUDE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SOD STABILIZATION, VEGETATION BUFFER STRIPS, PRESERVATION OF MATURE VEGETATIVE BUFFER STRIPS, AND OTHER APPROPRIATE MEASURES. IF CLEARING OF TREES OCCURS ON THE SITE AND MULCHING IS TO BE USED, THE CONTRACTOR MUST CONTACT THE PROJECT ENGINEER TO CONSIDER FEASIBLE AREAS WHERE MULCH CAN BE USED FOR TEMPORARY EROSION CONTROL.

THE CONTRACTOR SHALL MAINTAIN ALONG WITH THE SIGNED EFFECTIVE COPY OF THE SWP3 A RECORD OF THE DATES OF MAJOR GRADING ACTIVITIES, THE DATES CONSTRUCTION IS TEMPORARILY OR PERMANENTLY CEASED, AND THE DATES STABILIZATION MEASURES ARE INITIATED.

11. STRUCTURAL CONTROL PRACTICES:

REFER TO THE SWP3 LAYOUT PLAN AND DETAILS FOR A DESCRIPTION, ENGINEERING CALCULATIONS AND SPECIFIC LOCATION OF ANY STRUCTURAL CONTROL PRACTICES USED TO DIVERT FLOWS AWAY FROM EXPOSED SOILS, TO LIMIT THE CONTACT OF RUNOFF WITH DISTURBED AREAS, OR TO LESSEN THE OFF-SITE TRANSPORT OF ERODED SOILS.

12. PERMANENT STORM WATER CONTROLS:

REFER TO THE SWP3 LAYOUT PLAN AND DETAILS FOR A DESCRIPTION AND SPECIFIC LOCATION OF ANY MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED.

13. OTHER CONTROLS:

- A. MATERIAL STORAGE: STORE ONLY ENOUGH OF A MATERIAL TO DO THE JOB. KEEP MATERIALS IN ORIGINAL CONTAINER IF POSSIBLE. WHEN NOT POSSIBLE, ORIGINAL LABEL SHALL BE KEPT WITH THE PRODUCT. CONTRACTOR SHALL MAINTAIN ALONG WITH THE EFFECTIVE COPY OF SWP3 DRAWINGS AN UPDATEABLE LIST OF ALL MATERIALS TO BE STORED ON-SITE, AND A DESCRIPTION OF THE LOCATION.
- B. FUEL & EQUIPMENT MAINTENANCE AND STORAGE: WHERE FUELS ARE STORED, MAINTENANCE OF EQUIPMENT AND LUBRICATING MAINTENANCE ARE PROVIDED ON THE SITE, THE AREA (FUELING OR LUBRICATING) SHALL CONTAIN A MINIMUM 18" BERM AND PLASTIC COVER TO PREVENT STORM WATER FROM CARRYING PETRO CHEMICAL PRODUCTS INTO STORM WATER OR SOILS. VEHICLES ARE TO RECEIVE REGULAR PREVENTIVE MAINTENANCE. IF LOCATION IS PAVEMENT, A 6' HIGH TEMPORARY CONCRETE CURB MAY BE PLACED AROUND THE FUEL SITE IN LIEU OF EARTHEN BERM.
- C. PROVIDE COVERED PROTECTED AREAS FOR STORAGE OF CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS, AND OTHER POTENTIALLY TOXIC MATERIALS SUCH THAT MATERIALS ARE NOT IN CONTACT WITH STORM WATER. MATERIALS SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY MANUFACTURER.

- D. IF PUBLIC SANITARY FACILITIES ARE NOT AVAILABLE, PROVIDE SELF CONTAINED SANITARY FACILITIES AT THE CONSTRUCTION SITE FOR COLLECTION OF HUMAN WASTE. MAINTAIN FACILITIES AT REGULAR INTERVAL TO PREVENT OVERFLOW.
- E. VEHICLE TRACKING: THE MAJORITY OF THIS PROJECT IS LINEAR CONSTRUCTION. CONSTRUCTION WILL BE ACCESSED FROM STATE HIGHWAY No. 276 AND INTERSTATE HIGHWAY No. 30 EASTBOUND FRONTAGE ROAD ADJACENT TO THE SITE.
- F. DUST CONTROL: THE DISTURBED AREAS ON SITE SHALL BE REGULARLY WATERED DURING DRY PERIODS TO PREVENT DUST LEAVING THE SITE.

14. THE CONTRACTOR SHALL PERFORM CONSTRUCTION OPERATIONS IN ACCORDANCE WITH BEST MANAGEMENT PRACTICES TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES DURING CONSTRUCTION. THE CONTRACTOR SHALL CONFORM TO THE APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS TO CONTROL STORM WATER POLLUTANTS, AND TO CONTROL EROSION AND SEDIMENT FROM LEAVING THE SITE, INCLUDING DUST AND LITTER CONTROL. TRASH RECEPTACLES SHALL BE PROVIDED ON-SITE AND EMPTIED AT REGULAR INTERVALS.

15. THE CONTRACTOR SHALL LIMIT THE AREAS DISTURBED ON THE PROJECT SITE TO THE AREA NECESSARY FOR CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL PREVENT PERSONNEL, SUPPLIERS, AND SUBCONTRACTORS FROM DISTURBING AREAS OUTSIDE OF DESIGNATED CONSTRUCTION AREAS.

16. TECHNICAL BASIS USED:

THE CONTRACTOR SHALL UTILIZE THE LATEST COPY OF THE NORTH CENTRAL TEXAS COUNCIL OF GOVERNMENT'S STORM WATER MANAGEMENT HANDBOOK AS A GUIDE FOR THE PROPOSED STORM WATER MANAGEMENT FACILITIES AND TECHNIQUES. THE CONTRACTOR SHALL USE THE DETAILS PROVIDED FOR BUILDING THE SPECIFIED EROSION & SEDIMENTATION CONTROL STRUCTURES. THE CONTRACTOR SHALL ALSO REFER TO CONTRACT DOCUMENTS FOR TECHNICAL EVALUATION OF THESE STRUCTURES. IF SUCH STRUCTURES DO NOT MEET STANDARDS, THE ENGINEER SHALL BE CONTACTED IMMEDIATELY AND THE SITUATION REMEDIATED. CALL (817)640-3300 FOR MORE INFORMATION PERTAINING TO THE ABOVE REFERENCED HANDBOOK.

17. MAINTENANCE:

MAINTENANCE OF EROSION CONTROL FACILITIES SHALL CONSIST OF THE MINIMUM REQUIREMENTS AS FOLLOWS:

- A. IN ONGOING CONSTRUCTION AREAS INSPECT EROSION CONTROL IMPROVEMENTS TO CONFIRM FACILITIES ARE IN PLACE AND OPERABLE. WHERE FACILITIES HAVE BEEN TEMPORARILY SET ASIDE OR DAMAGED DUE TO CONSTRUCTION ACTIVITY, PLACE FACILITIES IN SERVICE BEFORE LEAVING JOB SITE.
- B. IF WEATHER FORECAST PREDICTS POSSIBILITY OF RAIN, CHECK ENTIRE FACILITIES THROUGHOUT SITE TO ASSURE FACILITIES ARE IN PLACE AND OPERABLE. IF JOB SITE WEATHER CONDITIONS INDICATE HIGH PROBABILITY OF RAIN, MAKE SPECIAL INSPECTION OF EROSION CONTROL FACILITIES.
- C. AFTER RAINFALL EVENTS REVIEW EROSION CONTROL FACILITIES AS SOON AS SITE IS ACCESSIBLE. CLEAN INLET PROTECTION, SILT PONDS, ROCK BERMS, BERM/SWALES AND OTHER STRUCTURAL FACILITIES. DETERMINE WHERE ADDITIONAL FACILITIES OR ALTERNATIVE TECHNIQUES ARE NEEDED TO CONTROL SEDIMENT LEAVING SITE.
- D. AFTER PORTIONS OF SITE HAVE BEEN SEEDDED, REVIEW THESE AREAS ON REGULAR BASIS IN ACCORDANCE WITH PROJECT SPECIFICATIONS TO ASSURE PROPER WATERING UNTIL GRASS IS ESTABLISHED. RESEED AREAS WHERE GRASS IS NOT WELL ESTABLISHED.
- E. SPILLS ARE TO BE HANDLED AS SPECIFIED BY THE MANUFACTURER OF THE PRODUCT IN A TIMELY SAFE MANNER BY PERSONNEL. THE SITE SUPERINTENDENT WILL BE RESPONSIBLE FOR COORDINATING SPILL PREVENTION AND CLEANUP OPERATIONS.
- F. CONCRETE TRUCKS WILL DISCHARGE EXTRA CONCRETE OR WASH OUT DRUM ONLY AT AN APPROVED LOCATION ON SITE. RESIDUAL PRODUCT SHALL BE PROPERLY DISPOSED OF.
- G. INSPECT VEHICLE ENTRANCE AND EXITS FOR EVIDENCE OF OFF-SITE TRACKING AND CORRECT AS NEEDED.
- H. VEHICLE WASH AREAS WILL BE INSPECTED TO INSURE PROPER DRAINAGE AND MAINTENANCE.
- I. REMOVE SEDIMENT FROM TRAPS/PONDS NO LATER THAN WHEN THE DESIGN CAPACITY HAS BEEN REDUCED BY 50%.
- J. IF SEDIMENT ESCAPES THE SITE, THE CONTRACTOR WHERE FEASIBLE AND WHERE ACCESS IS AVAILABLE SHALL COLLECT AND REMOVE SEDIMENTATION MATERIAL BY APPROPRIATE NON-DAMAGING METHODS. ADDITIONALLY, THE CONTRACTOR SHALL CORRECT THE CONDITION CAUSING DISCHARGES.
- K. IF INSPECTIONS OR OTHER INFORMATION SOURCES REVEAL A CONTROL HAS BEEN USED INCORRECTLY, OR THAT A CONTROL IS PERFORMING INADEQUATELY, THE CONTRACTOR MUST REPLACE, CORRECT OR MODIFY THE CONTROL AS SOON AS PRACTICAL AFTER DISCOVERY OF THE DEFICIENCY.

18. INSPECTION:

INSPECTIONS SHALL BE CONDUCTED BY QUALIFIED REPRESENTATIVES OF THE CONTRACTOR ACTING ON BEHALF OF THE OWNER OR A DESIGNATED PARTY IF HIRED SEPARATELY BY THE OWNER. EACH OPERATOR MUST DELEGATE AUTHORITY TO THE SPECIFICALLY DESCRIBED POSITION OR PERSON PERFORMING INSPECTIONS, AS PROVIDED BY 30 TAC 305.128, AS AN AUTHORIZED PERSON FOR SIGNING REPORTS AND PERFORMING CERTAIN ACTIVITIES REQUESTED BY THE DIRECTOR OR REQUIRED BY THE TPDES GENERAL PERMIT. THIS DELEGATION OF AUTHORITY MUST BE PROVIDED TO THE DIRECTOR OF TCEQ IN WRITING AND A COPY SHALL BE KEPT ALONG WITH THE SIGNED EFFECTIVE COPY OF THE SWP3. AN EXAMPLE DELEGATION LETTER IS PROVIDED IN THE CONTRACT DOCUMENTS.

INSPECTIONS MUST COMPLY WITH ONE OF THE TWO OPTIONS AS FOLLOWS:

OPTION A. AN INSPECTION SHALL OCCUR AT LEAST ONCE EVERY FOURTEEN (14) CALENDAR DAYS AND WITHIN 24 HOURS AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES.

OPTION B. AN INSPECTION EVERY SEVEN (7) CALENDAR DAYS (THE SAME DAY FOR THE INSPECTION MUST OCCUR EACH WEEK REGARDLESS OF WEATHER CONDITIONS).

THE AUTHORIZED PARTY SHALL INSPECT ALL DISTURBED AREAS OF THE SITE, AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION MUST BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE RUNOFF FROM THE SITE. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN MUST BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. OBSERVATIONS CAN BE MADE DURING WET OR DRY WEATHER CONDITIONS. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY MUST BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. THIS CAN BE DONE BY INSPECTING RECEIVING WATERS TO SEE WHETHER ANY SIGNS OR EROSION OR SEDIMENT ARE ASSOCIATED WITH THE DISCHARGE LOCATION. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE MUST BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.

BASED ON THE RESULTS OF THE INSPECTION, THE SITE DESCRIPTION AND THE POLLUTION PREVENTION MEASURES IDENTIFIED IN THE PLAN MUST BE REVISED AS SOON AS POSSIBLE AFTER AN INSPECTION THAT REVEALS INADEQUACIES. THE INSPECTION AND PLAN REVIEW PROCESS MUST PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE PLAN WITH 7 CALENDAR DAYS FOLLOWING THE INSPECTION.

AN INSPECTION REPORT THAT SUMMARIZES THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL CONDUCTING THE INSPECTION, THE DATES OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE SWP3. MAJOR OBSERVATIONS SHALL INCLUDE AS A MINIMUM LOCATION OF DISCHARGES OF SEDIMENT OR OTHER POLLUTANTS FROM THE SITE, LOCATION OF BMPs THAT NEED TO BE MAINTAINED, LOCATION OF BMPs THAT FAILED TO OPERATE AS DESIGNED OR PROVED INADEQUATE FOR A PARTICULAR LOCATION, AND LOCATIONS WHERE BMPs ARE NEEDED. ACTIONS TAKEN AS A RESULT OF THE INSPECTIONS MUST BE DESCRIBED WITHIN, AND RETAINED AS A PART OF, THE SWP3. REPORTS MUST IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE. WHERE A REPORT DOES NOT IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE, THE REPORT MUST CONTAIN A CERTIFICATION THAT THE FACILITY OR SITE IS IN COMPLIANCE WITH THE SWP3 AND THE TPDES GENERAL PERMIT. THE REPORT MUST BE SIGNED BY THE AUTHORIZED REPRESENTATIVE DELEGATED BY THE OPERATORS IN ACCORDANCE WITH TAC 305.128.

19. ELIGIBLE NON-STORM WATER DISCHARGE:

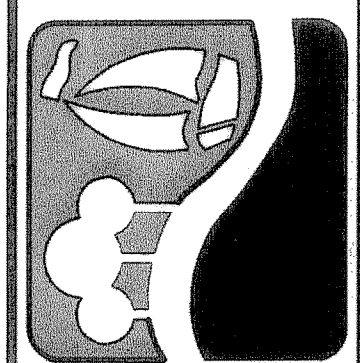
THE CONTRACTOR SHALL MAINTAIN ALONG WITH THE SIGNED EFFECTIVE COPY OF SWP3 DRAWINGS AN UPDATEABLE LIST IDENTIFYING ALL ELIGIBLE NON-STORM WATER DISCHARGES AND ENSURE THE IMPLEMENTATION OF APPROPRIATE POLLUTION PREVENTION MEASURES. A LISTING OF ELIGIBLE NON-STORM WATER DISCHARGE IS PROVIDED IN THE CONTRACT DOCUMENTS.

20. RETENTION OF RECORDS:

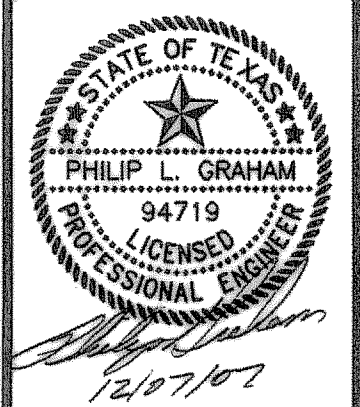
THE CONTRACTOR MUST RETAIN THE FOLLOWING RECORDS FOR A MINIMUM OF THREE YEARS FROM THE DATE THAT AN N.O.T. IS SUBMITTED. ON SMALL PROJECT SITES WHERE AN N.O.T. IS NOT REQUIRED, RECORDS SHALL BE KEPT FOR A PERIOD OF LEAST THREE YEARS FROM THE DATE OF FINAL STABILIZATION OR CHANGE OF OPERATOR. THE ORIGINALS SHALL BE FORWARDED TO THE OWNER.

- A. A COPY OF THE SWP3 PLAN.
- B. ALL REPORTS AND ACTIONS REQUIRED BY THE TPDES GENERAL PERMIT, INCLUDING A COPY OF THE CONSTRUCTION SITE NOTICE.
- C. ALL DATA USED TO COMPLETE THE N.O.I., IF AN N.O.I. IS REQUIRED.

PREPARED BY:
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PHASE II S.H. 205 BYPASS
 FROM S.H. 276 TO INTERSTATE 30
 SWP3 - STORM WATER
 POLLUTION PREVENTION NOTES



RECORD PLANS
 AUGUST 29, 2008

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