

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6999	08-00330-01-PV	VERMILION	77	31
VOORHEES STREET				
CONTRACT NO. 91417				

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN WAS ESTABLISHED TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE. THIS WILL BE ACCOMPLISHED BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING PERMANENT GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS LISTED IN THE TEMPORARY EROSION CONTROL SCHEDULES, SHALL BE PLACED BY THE CONTRACTOR ACCORDING TO THE INTENDED SEQUENCE OF EROSION CONTROL CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PERFORM ALL WORK AS SHOWN IN HIGHWAY STANDARD 280001 OR AS DIRECTED BY THE ENGINEER.

SITE DESCRIPTION

PAVEMENT OVERLAY AND DRAINAGE IMPROVEMENTS ARE TO BE PERFORMED ON F.A.U. ROUTE 6999 (VOORHEES ST) FROM EAST OF FAP 332 (IL ROUTE 1) TO WEST OF FAU 7045 (BOWMAN AVE.). THE EXISTING BRIDGE OVER THE NORFOLK SOUTHERN RAILROAD IS TO BE REMOVED AND REPLACED WITH EMBANKMENT FILL.

A STOCKPILE AREA FOR THE EMBANKMENT FILL IS LOCATED AT SPRINGHILL CEMETERY.

MAINTENANCE OF EXISTING EROSION CONTROL SYSTEMS SHALL BEGIN UPON MOBILIZATION.

PERIMETER EROSION CONTROL BARRIER SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF REMOVAL AND EXCAVATION. INLET AND PIPE PROTECTION SHALL BE INSTALLED ON EXISTING & PROPOSED DRAINAGE STRUCTURES.

DITCH CHECKS SHOULD BE TEMPORARILY INSTALLED IMMEDIATELY FOLLOWING TOPSOIL REMOVAL OR DITCH SHAPING.

INLET AND PIPE PROTECTION SHALL BE TEMPORARILY INSTALLED IMMEDIATELY FOLLOWING DRAINAGE STRUCTURE INSTALLATION.

TEMPORARY SEEDING SHALL BE PERFORMED FOLLOWING COMPLETE PLACEMENT OF EMBANKMENT MATERIAL.

EROSION CONTROL BLANKETS AND PERMANENT SEEDING SHALL BE INSTALLED UPON FINAL GRADING AND TOPSOIL PLACEMENT.

TEMPORARY EROSION CONTROL SHALL BE REMOVED UPON FINAL ACCEPTANCE.

DISTURBED AREA: 5.08 AC.
 SEEDED AREA: 4.32 AC.
 TOTAL AREA: +/- 10 AC.

VOORHEES OUTLETS TO EXISTING DITCHES AND STONEY CREEK.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION

DURING ROADWAY CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS, AS OUTLINED PREVIOUSLY HEREIN, SHALL BE PROTECTED FROM DAMAGING EFFECTS OF CONSTRUCTION. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.

WITHIN THE CONSTRUCTION ZONE, CRITICAL AREA WHICH HAVE HIGH FLOWS OF WATER AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

AS THE CONTRACTOR CONSTRUCTS A PORTION OF THE ROADWAY IN A FILL SECTION THEY SHALL FOLLOW THE FOLLOWING STEPS AS DIRECTED BY THE ENGINEER:

PLACE TEMPORARY EROSION CONTROL SYSTEMS AT LOCATIONS WHERE WATER LEAVES AND RETURNS FROM THE CONSTRUCTION ZONE.

TEMPORARILY SEED HIGHLY ERODIBLE AREAS OUTSIDE THE CONSTRUCTION SLOPE LIMITS.

CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.

EXCAVATED EMBANKMENTS SHALL BE PERMANENTLY SEEDED OR SODDED WHEN FINAL GRADED. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR FOURTEEN DAYS.

CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS OR AS DIRECTED BY THE ENGINEER. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR POLLUTION RUN-OFF IN COMPLIANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.

THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT ON A REGULAR BASIS, COMPLETING FORM NPDES / EROSION CONTROL INSPECTION REPORT BC 2259 (4/96) AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF EACH 0.5 INCH RAINFALL OR EQUIVALENT SNOWFALL.

SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE PERIMETER EROSION BARRIER SHALL HAVE SEDIMENT REMOVED WHEN IT REACHES 75% OF THE HEIGHT OF THE CONTROL DEVICE. THE COST OF MAINTENANCE AND CLEANING OF THE EROSION AND SEDIMENT CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE PAY ITEMS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.


THE TEMPORARY EROSION CONTROL SYSTEM SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER EVERY USE IF NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE RESPECTIVE PAY ITEMS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

IF PORTIONS OF THE STORM SEWER ARE CONSTRUCTED IN AN EARLIER STAGE BY THE CONTRACTOR, THE APPROPRIATE INLET AND PIPE PROTECTION SHOWN IN A LATER STAGE WILL APPLY. THE COST OF MAINTAINING EROSION CONTROL MEASURES FOR INLETS, PIPES, AND STRUCTURES SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RESPECTIVE TEMPORARY EROSION CONTROL ITEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY. ALL PROPOSED TURF AREAS SHALL BE SEEDED AND ESTABLISHED WITH A PROPER STAND.

ONCE EROSION CONTROL SYSTEMS AND ITEMS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED, AND DISTURBED TURF RESEEDED OF SODDED.

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	REVISIONS	DATE
	NAME	

DEPARTMENT OF ENGINEERING
 DANVILLE, IL. R. DAVID SCHNELLE, CITY ENGINEER
 VOORHEES ST IMPROVEMENT PHASE I
 EROSION CONTROL & PROTECTION
 PLAN AND NOTES
 SCALE: N/A
 DATE: 7/24/2009
 DRAWN BY: JPH
 CHECKED BY: RDS