EROSION AND SEDIMENT CONTROL NOTES

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

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS IDENTIFIED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEST-THER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS OUTLINED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL. SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, CAN BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS STIPULATED BY THE ENGINEER, LOCAL MUNICIPAL CODES, AND AS SHOWN IN IDOT STANDARD 280001 WHICH SUPPLEMENTS THIS PLAN. THE TEMPORARY EROSION CONTROL PROVISIONS OUTLINED IN SECTION 280 OF THE IDOT STANDARD SPECIFICATIONS ADDITIONALLY SUPPLEMENT THIS PLAN.

DESCRIPTION OF SITE AND PLANNED CONSTRUCTION ACTIVITIES

- 1. THE PROJECT IS LOCATED IN THE VILLAGE OF JUSTICE, ILLINOIS.
- 2. THE TOTAL AREA OF THE PROJECT SITE IS APPROXIMATELY 2.0 ACRES. THE AREA DISTURBED BY CONSTRUCTION ACTIVITIES IS APPROXIMATELY 1.52 ACRES.
- 3. THE PROJECT INVOLVES EXCAVATION OF EXISTING GROUND FOR INSTALLATION OF CONCRETE SIDEWALK, AND REPLACEMENT OF EXISTING DRIVEWAYS DUE TO AFOREMENTIONED SIDEWALKS.

SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES

THE FOLLOWING DESCRIBES THE PROJECTED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS WITHIN THE PROJECT AREA.

- 1. INSTALLATION OF TEMPORARY EROSION CONTROL MEASURES REQUIRED TO LIMIT SOIL MIGRATION DURING SITE CLEARING, GRADING, FILLING, AND SUBSEQUENT DEVELOPMENT ACTIVITIES. MEASURES MAY INCLUDE PERIMETER EROSION CONTROL BARRIER, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKETS, TEMPORARY SEEDING, AND OTHER SIMILAR MEASURES. THE MEASURES ARE TO BE ADJUSTED IN KEEPING WITH SITE WORK PROGRESS.
- 2. CLEARING AND GRUBBING OF PROJECT SITE CONSISTENT WITH PHASING OF SIDEWALK CONSTRUCTION.
- 3. EXCAVATION AND GRADING TO ACHIEVE INTERIM WORK SITE ELEVATIONS.
- 4. FORMING AND INSTALLATION OF SIDEWALK
- 5. FINISHED GRADING AND LANDSCAPE RESTORATION.
- 6. MAINTENANCE, REMOVAL, AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL MEASURES.

OTHER REPORTS, STUDIES, PLANS, SPECIFICATIONS WHICH ARE REFERENCED DOCUMENTS OF THE STORM WATER POLLUTION PREVENTION PLAN

- 1. INFORMATION CONCERNING THE SOILS CHARACTER AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL MAPS THAT WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
- 2. PROJECT SPECIFICATIONS, SPECIAL PROVISIONS, AND DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES, WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.
- 3. ILLINOIS URBAN MANUAL FOR SOIL EROSION CONTROL GUIDANCE AND CONTROL MEASURES.
- 4. IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FOR SOIL EROSION CONTROL MATERIALS AND INSTALLATION GUIDANCE
- 5. LOCAL MUNICIPAL REQUIREMENTS FOR EROSION CONTROL

EROSION AND SEDIMENT CONTROL PRACTICES

THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS HAVE BEEN PLANNED TO ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE FEASIBLE, AND DISTURBED PORTIONS OF THE SITE ARE STABILIZED. STABILIZATION PRACTICES INCLUDE TEMPORARY SEEDING, PREMANENT SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF NATURAL VEGETATION, AND OTHER APPROPRIATE MEASURES AS IDENTIFIED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

- AREAS OF EXISTING VEGETATION, WOOD AND GRASSLANDS, OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES
- 2. DEAD, DISEASED, UNSUITABLE, OR CONFLICTING VEGETATION WITHIN THE SITE SHALL BE REMOVED, ALONG WITH REQUIRED TREE REMOVAL.
- 3. TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED PRIOR TO STRIPPING OF EXISTING VEGETATION.
- 4. BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODABLE AREAS SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN (7) DAYS.
- 5. IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED, AREAS WHICH ARE HIGHLY ERODABLE AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN (7) DAYS.
- 6. AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS ON ADJACENT LANDOWNERS, TEMPORARY DITCH CHECKS SHALL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.
- 7. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS INDICATED ON THE PLANS SHALL BE PROTECTED FROM DAMAGE. THE CONTRACTOR SHALL NOT USE THESE AREAS FOR STAGING, PARKING OF VEHICLES OF CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS OR OTHER CONSTRUCTION RELATED ACTIVITIES EXCEPT AS DESCRIBED ON THE PLANS AND INDICATED BY THE ENGINEER.
- 8. WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION SHALL REMAIN UNDISTURBED UNTIL THE STAGE OF CONSTRUCTION IS INITIATED TO AVOID UNNECESSARY SOIL EROSION.
- 9. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN (14) DAYS.
- 10. AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL PLACE TEMPORARY EROSION CONTROL FACILITIES AT NECESSARY LOCATIONS. THE ERODABLE EXPOSED EARTH SURFACES SHALL BE TEMPORARILY SEEDED ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF EROSION THAT WILL OCCUR WITHIN THE PROJECT LIMITS. THE ROADSIDE DITCHES WITHIN THE PROJECT LIMITS SHALL BE MAINTAINED OR CONSTRUCTED AS REQUIRED TO LIMIT EROSION. TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS UNTIL EROSION CONTROL MEASURES ARE IN PLACE.
- 11. CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
- 12. THE CONTRACTOR SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2-INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE WORK SITE CONSTRUCTION MANAGER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.
- 13. SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EACH EXCAVATION FOR EROSION CONTROL.
- 14. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED 30 DAYS AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. AT THAT TIME, THE EROSION CONTROL SYSTEMS SHALL BE REMOVED, AND THE AREAS DAMAGED BY THE SYSTEMS' INSTALLATION SHALL BE RESTORED.
- 15. TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 1 FOOT FALL OR RISE IN DITCH GRADE OR AS STIPULATED ON THE PLAN.
- 16. WHERE REQUIRED, THE TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS PER ACRE OF AREA.
- 17. WATER PUMPED FROM EXCAVATIONS SHALL BE DIRECTED INTO THE SEDIMENT BASIN. THE SEDIMENT BASIN SHALL BE MAINTAINED AT A DEPTH BETWEEN 2 AND 3 FEET AND CLEARED OF SEDIMENT AS REQUIRED. SEDIMENT SHALL BE DISPOSED OF IN A MANNER NOT TO INCREASE SOIL MIGRATION.
- 18. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
- 19. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

MAINTENANCE AFTER CONSTRUCTION

- 1. THE CONSTRUCTION WILL BE CONSIDERED TO BE COMPLETE AFTER ACCEPTANCE BY THE MUNICIPAL AGENCY WITH JURISDICTION OVER THE IMPROVEMENTS. MAINTENANCE OF EROSION MEASURES AS WELL AS THE SITE IMPROVEMENTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL THE DATE OF ACCEPTANCE.
- 2. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED SEEDED OR SODDED AREAS HAVE BEEN ESTABLISHED.
- 3. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED SURFACES RESTORED.

FAU RTEs.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.	
1547, 2757	01-00024	-00-SW	COOK	24	19	
STA. 09+99			TO STA. 112+83			
FED. ROAD	DIST. NO.	ILLINOIS	FED. AID F	PROJECT		
CONTRACT	CONTRACT NO. 63441					

A COPY OF THE SWPPP (INCLUDING A COPY OF THE PERMIT), NOI, AND ACKNOWLEDGEMENT LETTER FROM EPA MUST BE RETAINED AT THE CONSTRUCTION SITE (OR OTHER LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS TO EPA, A STATE, TRIBAL OR LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, GRADING PLANS, OR STORM WATER MANAGEMENT PLANS; LOCAL GOVERNMENT OFFICIALS; THE OPERATOR OF A MUNICIPAL SEPARATE STORM SEWER RECEIVING DISCHARGES FROM THE SITE; AND REPRESENTATIVES OF THE U.S. FISH AND WILDLIFE SERVICE OR THE NATIONAL MARINE FISHERIES SERVICE) FROM THE DATE OF COMMENCEMENT OF COONSTRUCTION ACTIVITIES TO THE DATE OF FINAL STABILIZATION, IF YOU HAVE DAY-TO-DAY OPERATIONAL CONTROL OVER SWPPP IMPLEMENTATION, YOU MUST HAVE A COPY OF THE SWPPP AVAILABLE AT A CENTRAL LOCATION ON-SITE FOR THE USE OF ALL THOSE IDENTIFIED AS HAVING RESPONSIBILITIES UNDER THE SWPPP WHENEVER THEY ARE ON THE CONSTRUCTION SITE. IF AN ON-SITE LOCATION IS UNAVAILABLE TO STORE THE SWPPP WHEN NO PERSONNEL ARE PRESENT, NOTICE OF THE PLAN'S LOCATION MUST BE POSTED NEAR THE MAIN ENTRANCE AT THE CONSTRUCTION SITE.

A SIGN OR OTHER NOTICE MUST BE POSTED CONSPICUOUSLY NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE. IF DISPLAYING NEAR THE MAIN ENTRANCE IS INFEASIBLE, THE NOTICE CAN BE POSTED IN A LOCAL PUBLIC BUILDING SUCH AS THE TOWN HALL OR PUBLIC LIBRARY. THE SIGN OR OTHER NOTICE MUST CONTAIN THE FOLLOWING INFORMATION:

1. A COPY OF THE COMPLETED NOTICE OF INTENT AS SUBMITTED TO THE EPA STORM WATER NOTICE PROCESSING CENTER:

2. IF THE LOCATION OF THE SWPPP OR THE NAME AND TELEPHONE NUMBER OF THE CONTACT PERSON FOR SCHEDULING SWPPP VIEWING TIMES HAS CHANGED (I.E., IS DIFFERENT THAN THAT SUBMITTED TO EPA IN THE NO!), THE CURRENT LOCATION OF THE SWPPP AND NAME AND TELEPHONE NUMBER OF A CONTACT PERSON FOR SCHEDULING VIEWING TIMES.

REVISIONS
NAME

DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
VILLAGE OF JUSTICE

79th STREET & ROBERTS ROAD
SIDEWALK CONSTRUCTION
EROSION & SEDIMENT CONTROL NOTES

SCALE
HORIZ: 1"=40' DAWN BY: JMH
DATE: 03/24/11 CHECKED BY: SAL

rie-Butler Engineering, Inc.