



THE IEPA GENERAL PERMIT REQUIRES A STORM WATER POLLUTION PREVENTION PLAN (SWPPP), TO BE PREPARED WHICH CONTAINS A DESCRIPTION OF THE SITE AND CONTROL MEASURES TO PREVENT OR MINIMIZE POLLUTION OF STORM WATER RUNOFF FROM CONSTRUCTION ACTIVITIES.

CONSTRUCTION SITE
EAST JEFFERSON STREET IMPROVEMENTS CONSIST OF CONSTRUCTING A SUB-BASE, HOT-MIX ASPHALT SURFACE, CURBS AND GUTTER, STORM SEWER, DRIVEWAYS, SIDEWALKS, SEEDING, MISCELLANEOUS REMOVAL AND OTHER INCIDENTAL AND COLLATERAL WORK AS SHOWN ON THE PLANS AND WRITTEN IN THE PROJECT SPECIFICATIONS. THIS PLAN SHEET DETAILS THE PLANNED EROSION CONTROL PRACTICES AND THEIR ASSOCIATED DETAILS. THE PROJECT WILL GENERATE AN EARTH WASTE VOLUME OF 4,267 CUBIC YARDS THAT WILL BE REMOVED AND DISPOSED OF OFF SITE IN ACCORDANCE WITH CURRENT IEPA AND IDOT REGULATIONS.

THIS PROJECT LOCATION IS
LATITUDE: 42°36'34" NORTH
LONGITUDE: 89°28'18" WEST
A PART OF THE NE 1/4, NW 1/4, SE 1/4 AND SW 1/4 OF SECTION 22, TOWNSHIP 25 NORTH, RANGE 3 WEST, THIRD PRINCIPAL MERIDIAN, TAZEWELL COUNTY, ILLINOIS.

THE PROJECT SIZE IS 2.21 ACRES WITH THE LIMITS OF EARTHWORK GRADING ENCOMPASSING APPROXIMATELY 1.12 ACRES. THE TAZEWELL COUNTY SOIL SURVEY LISTS THE EXISTING SOILS TO BE PRIMARILY SABLE AND IPAWA, HGSC TYPE B, SILTY CLAY LOAM AND SILT LOAM. PERMEABILITY OF THE EXISTING SOILS IS GENERALLY 0.6 TO 2.0 INCHES PER HOUR. THE ESTIMATED EXISTING RUNOFF COEFFICIENT IS 0.50. THE ESTIMATED RUNOFF COEFFICIENT AFTER CONSTRUCTION IS COMPLETED IS 0.50. IN GENERAL, THE STORM WATER WILL DRAIN WESTERLY ALONG EAST JEFFERSON STREET TO BULL RUN CREEK AND THEN SOUTHERLY TO THE MACKINAW RIVER. A SMALL PORTION OF THE PROJECT DRAINS EASTERLY TO DEER CREEK AND THEN SOUTHERLY TO THE MACKINAW RIVER.

RESPONSIBLE PARTY: GENERAL CONTRACTOR TO BE DETERMINED AT BID LETTING.
SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES
CONSTRUCTION IS EXPECTED TO BEGIN IN MAY OF 2011 AND END IN AUGUST OF 2011. THE ORDER OF CONSTRUCTION ACTIVITIES IS AS FOLLOWS:

1. INSTALL INLET FILTERS AT ALL EXISTING STORM SEWER INLET LOCATIONS AS SHOWN ON THESE PLANS.
2. BEGIN PHASE I ACCORDING TO THE PROJECT SPECIAL PROVISIONS.
 - a. CONSTRUCT STORM SEWER AND APPURTENANCES.
 - b. MECHANICALLY COMPACT AND WATER FLOOD ALL STORM SEWER TRENCHES.
 - c. CONSTRUCT 7" SUB-BASE.
 - d. CONSTRUCT CURB AND GUTTER AND PLACE THE HMA BINDER BASE COURSE.
 - e. CONTRACTOR MAY NOW OPEN THIS SECTION OF EAST JEFFERSON STREET TO LOCAL RESIDENTIAL TRAFFIC.
3. BEGIN PHASE II ACCORDING TO PROJECT SPECIAL PROVISIONS.
 - a. COMPLETE STORM SEWER AND APPURTENANCES.
 - b. MECHANICALLY COMPACT AND WATER FLOOD ALL STORM SEWER TRENCHES.
 - c. CONSTRUCT 7" SUB-BASE.
 - d. CONSTRUCT CURB AND GUTTER AND PLACE THE HMA BINDER BASE COURSE.
 - e. CONTRACTOR SHALL OPEN THIS SECTION OF EAST JEFFERSON STREET AND TENNESSEE AVE. TO LOCAL RESIDENTIAL TRAFFIC.
4. COMPLETE ALL REMAINING ITEMS OF WORK ITEMS INCLUDE GRADING, TOPSOIL PLACEMENT, SEEDING, HOT-MIX ASPHALT BINDER AND SURFACE COURSES, AND RIGHT OF WAY MARKERS, ETC.
5. AFTER PLACEMENT OF THE HOT-MIX ASPHALT SURFACE COURSE, CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING SAID SURFACE COURSE, IF WORK REMAINS TO BE COMPLETED.
6. AFTER ESTABLISHMENT OF 70% VEGETATION, THE REQUIREMENTS OF THE STORM WATER POLLUTION PREVENTION PLAN HAVE BEEN SATISFIED.
7. REMOVE ALL EROSION CONTROL PROTECTION, AS DIRECTED BY THE ENGINEER.

THE ABOVE DESCRIBED CONSTRUCTION PHASING PLAN SHALL BE FOLLOWED, IF THE SUCCESSFUL BIDDER HAS AN ALTERNATE SEQUENCING PLAN PROPOSED, SAID SEQUENCING SHALL BE PROPOSED AT THE PRE-CONSTRUCTION MEETING AND MUST BE APPROVED BY THE VILLAGE OF MORTON AND THE ENGINEER.

MEASURES AND CONTROLS

THE FOLLOWING MEASURES AND CONTROLS TO PREVENT OR MINIMIZE POLLUTION OF STORM WATER DISCHARGES MUST BE FOLLOWED IN REGARDS TO THE FOLLOWING THREE AREAS:

1. **EROSION AND SEDIMENT CONTROLS**
ALL DISTURBED AREAS MUST BE STABILIZED TO PREVENT EROSION, ETC. PERMANENT SEEDING OF ALL AFFECTED AREAS WILL BE PERFORMED TO STABILIZE THE SOIL. IF AT ANY TIME, CONSTRUCTION WILL TEMPORARILY CEASE FOR MORE THAN 21 DAYS, THE DISTURBED AREAS MUST BE STABILIZED WITH 14 DAYS OF THE LAST DISTURBANCE. AREAS THAT WILL BE RE-DISTURBED WITHIN 21 DAYS DO NOT HAVE TO BE TEMPORARILY SEEDDED.
TEMPORARY STABILIZATION = TEMPORARY SEED SHALL BE WHEAT OR RYE (GRAIN) APPLIED AT THE RATE OF 120 LBS/ACRE. AFTER SEEDING, THE AREAS SHALL BE MULCHED WITH STRAW AT A RATE OF 2 TONS PER ACRE AND TACKED INTO PLACE BY A SEPARATED DISC OR OTHER ENGINEER APPROVED METHOD OF STABILIZATION.
PERMANENT STABILIZATION = IN AREAS WHERE CONSTRUCTION HAS PERMANENTLY CEASED, PERMANENT STABILIZATION SHALL BE PERFORMED NO LATER THAN 14 DAYS AFTER THE LAST DISTURBANCE. THE FERTILIZATION AND PERMANENT SEEDING SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, OF THE STATE OF ILLINOIS, LATEST EDITION.
2. **STORM WATER MANAGEMENT CONTROLS**
WHERE CONSTRUCTION RESULTS IN AN INCREASE OF STORM WATER RUNOFF FROM THE EXISTING CONDITIONS, TEMPORARY MEASURE MUST BE TAKEN TO SLOW THE RUNOFF TO THE EXISTING CONDITIONS RUNOFF RATE. THE FOLLOWINGS CONTROL SHALL BE TAKEN TO ACCOMPLISH THIS.
INLET FILTERS SHALL BE USED TO PREVENT SEDIMENT FROM LEAVING THE SITE THROUGH EXISTING GUTTER INLET CASTINGS AND THROUGH NEWLY INSTALLED GUTTER INLET CASTINGS. THEY SHALL BE INSPECTED BY THE CONTRACTOR WEEKLY AND AFTER HEAVY RAINS. ANY SEDIMENT BUILDUP SHALL BE REMOVED FROM THE INLET AND ANY DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.

EROSION CONTROL FENCE (SILT FENCE) = SILT FENCES SHALL BE INSTALLED AS INLET AND MANHOLE PROTECTION AS PER THE PLAN DETAIL AT LOCATION SHOWN ON THE PLANS. THEY SHALL BE INSPECTED BY THE CONTRACTOR WEEKLY AND AFTER HEAVY RAINS. ANY SEDIMENT BUILDUP SHALL BE REMOVED FROM THE FENCE AND ANY DAMAGE TO THE SILT FENCE SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.

3. OTHER CONTROLS

THE PLAN MUST INSURE THAT SOLID WASTES ARE NOT CARRIED BY STORM WATER RUNOFF TO WATERS OF THE STATE. CONTRACTOR SHALL STRATEGICALLY PLACE SOLID WASTE RECEPTACLES (TRASH CANS) WITH LIDS, AT LOCATION(S) DESIGNATED BY THE ENGINEER, AT NO ADDITIONAL COST. ALL SOLID WASTE MUST BE PROPERLY STORED AND DISPOSED OF PER LOCAL REGULATIONS. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL AND STATE LAWS CONCERNING SANITARY SEWER AND SEPTIC SYSTEMS REGULATIONS. SANITARY WASTE SHALL BE COLLECTED FROM PORTABLE UNITS BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY LOCAL REGULATIONS.

THE CONTRACTOR SHALL PROVIDE A "CONCRETE WASHOUT" AREA FOR CONCRETE TRUCKS, AT THE PROJECT SITE. THE LOCATION SHALL BE APPROVED BY THE OWNER AND THE ENGINEER. CONTRACTOR IS REQUIRED TO ENSURE THAT NONE OF THE CONCRETE WASHOUT MATERIALS POLLUTE STORM WATER DISCHARGES FROM THE SITE. IF A LOCATION IS NOT AVAILABLE ON SITE, THE CONTRACTOR MAY PROVIDE APPROVED WASHOUT TUBS OR PROPERLY DISPOSE OF THE MATERIAL OFFSITE, AT A LOCATION APPROVED BY THE OWNER AND ENGINEER. THIS ITEM SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONCRETE PAY ITEMS.

EXISTING STREETS WILL BE USED FOR ENTRANCE AND EXITS TO THE CONSTRUCTION SITE. ANY MATERIALS THAT IS TRACKED ONTO ADJACENT ROADS SHALL BE REMOVED AS SOON AS IS PRACTICAL OR WITHIN FOUR (4) HOURS, WHICHEVER IS SOONER.

DUST CONTROL SHALL BE PROVIDED BY WATERING OR OTHERS MEANS, AS REQUIRED, THE EXPENSE SHALL BE INCIDENTAL TO THE PROJECT.

INSPECTION AND MAINTENANCE

THE CONTRACTOR AND THE ENGINEER SHALL INSPECT THE CONSTRUCTION SITE AT LEAST ONCE WEEKLY (ONCE EVERY SEVEN DAYS) AND WITHIN 24 HOURS OF A RAINFALL OF 0.2" OR MORE. THE ENGINEER MUST PREPARE A REPORT DOCUMENTING HIS/HER FINDINGS ON THE CONDITION OF THE CONTROLLED AND STABILIZED AREAS.

THE FOLLOWING IS A LIST OF INSPECTION AND MAINTENANCE PRACTICES THAT SHALL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:

- WEEKLY INSPECTIONS
 - INSPECTIONS WITHIN 24 HOURS OF A 0.2" OR MORE RAINFALL
 - ALL EROSION CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER. IF A REPAIR IS REQUIRED, IT SHALL BE COMPLETED AS SOON AS POSSIBLE OR NO LATER THAN 7 DAYS AFTER INSPECTION.
 - INSPECTIONS WILL INCLUDE ALL DISTURBED AREAS OF THE SITE, AREAS FOR MATERIAL STORAGE, LOCATIONS WHERE VEHICLES ENTER/EXIT THE SITE, AND ALL EROSION CONTROLS.
 - BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCES WHEN IT REACHES 1/3 THE HEIGHT OF THE FENCE. SILT FENCES WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TIGHTNESS, AND STABILITY SO THAT THE POST AND BALES (OR FABRIC) ARE FIRMLY IN THE GROUND.
 - TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
 - A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION AND RECORD ALL DAMAGES OR DEFICIENCIES.
 - THE OWNER WILL DELEGATE RESPONSIBILITIES FOR INSPECTION AND MAINTENANCE TO THE CONTRACTOR SO THAT EROSION AND SEDIMENT CONTROLS USED ON THE SITE ARE IN GOOD WORKING ORDER.
- RECORDS OF CONSTRUCTION ACTIVITIES**
IT IS IMPORTANT TO KEEP ACCURATE AND DETAILED RECORDS OF ALL PHASES OF CONSTRUCTION INCLUDING THOSE AFTER CONSTRUCTION OF THE INFRASTRUCTURE FOR THE PROJECT. THESE RECORDS WILL BE EXTREMELY VALUABLE IN DETERMINING WHICH ENTITY IS LIABLE SHOULD A RELEASE OCCUR OR A VIOLATION NOTICE BE RECEIVED BY THE EPA. ALL CORRESPONDENCE BETWEEN THE OWNER AND PERMIT SIGNATORIES SHOULD BE PROPERLY DATED AND KEPT ON FILE FOR FUTURE REFERENCE.

IF A STORM WATER RELEASE OCCURS THAT IS IN VIOLATION OF THE GENERAL PERMIT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR OR OTHER PERMIT SIGNATORY TO NOTIFY THE DEVELOPER/OWNER AND TO FILL OUT AN INCIDENT OF NONCOMPLIANCE (ION) AND FILE IT WITH IEPA. THE ION SHOULD BE FILED WITHIN FIVE (5) OF THE INCIDENT AND COMPLETED ON FORMS PROVIDED BY THE AGENCY. A COPY OF THE FORM IS AVAILABLE FROM THE ENGINEER. CONSULT THE CLEAN WATER ACT FOR A DEFINITION OF VIOLATIONS.

THE FOLLOWING SHOULD BE RECORDED AT A MINIMUM:

- DATES WHEN MAJOR GRADING ACTIVITIES OCCUR IN A PARTICULAR PART OF THE SITE.
- DATES WHEN CONSTRUCTION ACTIVITIES CEASE IN AN AREA, TEMPORARILY AND/OR PERMANENTLY.
- DATES WHEN SEEDING OR SOODING IS PERFORMED TEMPORARILY AND/OR PERMANENTLY.

THIS SWPPP PLAN MUST BE UPDATED OR CHANGED, BY THE ENGINEER, AS NEEDED TO ACCURATELY REFLECT THE SITE FEATURES AND OPERATION. CONTACT MOHR AND KERR ENGINEERING AND LAND SURVEYING, P.C. AS NEEDED.

THE IEPA HAS ISSUED REGULATIONS THAT DEFINE REPORTABLE QUANTITY (RQ) LEVELS FOR OIL AND HAZARDOUS SUBSTANCES. IF THERE IS AN RQ RELEASE DURING THE CONSTRUCTION PERIOD, THE FOLLOWING STEPS MUST BE TAKEN:

1. NOTIFY THE NATIONAL RESPONSE CENTER IMMEDIATELY AT 800-424-8802.
2. WITHIN 14 DAYS, SUBMIT A WRITTEN DESCRIPTION OF THE RELEASE TO THE IEPA REGIONAL OFFICE PROVIDING THE DATE AND CIRCUMSTANCES OF THE RELEASE AND STEPS TO BE TAKEN TO PREVENT ANOTHER RELEASE.
3. MODIFY THE POLLUTION PREVENTION PLAN TO INCLUDE THE ABOVE INFORMATION.

THIS PLAN MUST BE KEPT ON SITE (CONSTRUCTION TRAILER OR SUPERINTENDENT VEHICLE) FROM THE BEGINNING OF CONSTRUCTION UNTIL THE SITE IS FINALLY STABILIZED. THE PLAN AND RECORDS MUST BE KEPT FOR THREE YEARS AFTER COMPLETION OF THE FINAL SITE STABILIZATION. THE PLANS AND ASSOCIATED RECORDS MUST BE MADE AVAILABLE UPON REQUEST TO THE IEPA REPRESENTATIVE, ANY STATE AND LOCAL AGENCY PERSONNEL OR ANY OTHER CITIZEN.



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DESIGNED	WFS	REVISED
DRAWN	DEH	REVISED
CHECKED	WFS	REVISED
DATE	10-25-10	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STREET IMPROVEMENTS EAST JEFFERSON STREET MORTON, ILLINOIS
STORM WATER POLLUTION PREVENTION PLAN

SCALE: 1" = 40'

SHEET NO. 11 OF 20 SHEETS

STA. 25+00 TO STA. 30+50

F.A. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6721	07-00116-01-FP	TAZEWELL	20	11
CONTRACT NO. 89490				
ILLINOIS FEDERAL ROAD DIST NO. 7				