

ROUTE: FAU 6921  
SECTION: 04-00135-00-RS  
COUNTY: McDONOUGH COUNTY (DISTRICT 4)

JOB NO.: C-94-065-04  
CONTRACT NO.: 89337

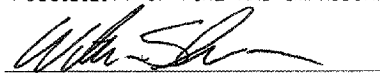
**STORM WATER POLLUTION PREVENTION PLAN**

CITY OF MACOMB  
EAST GRANT STREET (F.A.U. 6921)  
SECTION 04-00135-00-RS SH 39 OF 66  
PROJECT M-5040 (007)

**CONTRACT NO. 89337**

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISION OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRE OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION SUBMITTED, IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

  
(SIGNATURE)

MARCH 22, 2005  
(DATE)

PROJECT ENGINEER  
(TITLE)

NOTE: THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NPDES PERMIT FOR THIS PROJECT.

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES. THE CONTRACTOR SHALL ABIDE TO ALL REQUIREMENTS WITHIN THIS PLAN AS PART OF THE CONTRACT.

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

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF THE YEAR AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME; THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY EROSION CONTROL SYSTEMS AND TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THIS PLAN. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN SPECIAL DETAILS AND IN STANDARD 280001 OF THE PLANS.

THE SPECIAL PROVISIONS TEMPORARY SEEDING, TEMPORARY EROSION CONTROL SEEDING AND TEMPORARY EROSION CONTROL ADDITIONALLY SUPPLEMENT THIS PLAN.

**SITE DESCRIPTION**

**DESCRIPTION OF CONSTRUCTION ACTIVITY:**

1. THE PROPOSED PROJECT CONSISTS OF THE REHABILITATION FAU 6921 (EAST GRANT STREET) FROM JOHNSON STREET TO CANDY LANE.
2. THE PROJECT CONSISTS OF CONSTRUCTING POLYMERIZED BITUMINOUS CONCRETE BINDER AND SURFACE COURSES, SUB-BASE GRANULAR MATERIAL, PCC BASE COURSE, PCC DRIVEWAY PAVEMENT, PCC SIDEWALK PCC CURB & GUTTER, BITUMINOUS SURFACE REMOVAL, PAVEMENT REMOVAL, CLASS D PATCHES, AREA REFLECTIVE CRACK CONTROL TREATMENT, MANHOLES AND INLETS TO BE ADJUSTED, PAVMENT MARKING FERTILIZING AND SEEDING, TRAFFIC CONTROL AND OTHER RELATED WORK.

**DESCRIPTION OF INTENDED SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB EARTH AND LEAD TO POSSIBLE EROSION FOR PORTIONS OF THE CONSTRUCTION SITE:**

1. TREE REMOVAL WILL BE MINIMAL. TREES TO REMAIN WILL BE PROTECTED AGAINST DAMAGE. GRADING AND SHAPING DITCHES WILL BE ONLY IN AREAS DESIGNATED ON THE PLANS.
2. EXCAVATION IS ANTICIPATED FOR PAVEMENT WIDENING, DRIVEWAY AND SIDEWALK CONSTRUCTION.
3. DRAINAGE STRUCTURES WILL BE CONSTRUCTED DURING THE REMOVAL AND REPLACEMENT OF THE CONCRETE SIDEWALKS AND CURB & GUTTERS.
4. PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL SUCH AS TEMPORARY SEEDING.
5. PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS SEEDING.
6. FINAL PAVING AND OTHER MISCELLANEOUS ITEMS.

**AREA OF CONSTRUCTION SITE:**

THE TOTAL DRAINAGE AREA ENTERING AND INCLUDING THE CONSTRUCTION SITE IS ESTIMATED TO BE 30.00± ACRES IN WHICH 5.3 ACRES WILL BE DISTURBED BY GRADING OR OTHER ACTIVITIES.

**OTHER REPORTS, STUDIES AND PLANS WHICH AID IN THE DEVELOPMENT OF THIS STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:**

1. INFORMATION ON THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM FIELD REVIEWS WHICH WERE UTILIZED FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. EXISTING PLANS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES WERE CONTAINED IN THE PROJECT DESIGN REPORT. THE PROJECT PLAN DOCUMENTS WERE UTILIZED FOR PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

**DRAINAGE TRIBUTARIES RECEIVING WATER FROM THIS CONSTRUCTION SITE:**

1. CITY OF MACOMB STORM SEWER COLLECTION SYSTEM


**CONTROLS - EROSION CONTROLS AND SEDIMENT CONTROLS**

**DESCRIPTION OF STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:**

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE: TEMPORARY SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION AND OTHER APPROPRIATE MEASURES AS DIRECTED 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.
  - (A) AREAS OF EXISTING VEGETATION (WOODS AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION SLOPE LIMITS SHALL BE IDENTIFIED FOR PRESERVING AND SHALL BE PROTECTED FROM MOWING, BRUSH CUTTING, TREE REMOVAL AND OTHER ACTIVITIES WHICH WOULD BE DETRIMENTAL TO THEIR MAINTENANCE AND DEVELOPMENT.
  - (B) DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.
  - (C) AS SOON AS REASONABLE ACCESS IS AVAILABLE (SUCH AS TREES CLEARED) TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, SEDIMENT BASINS, RIPRAP DITCH CHECKS, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND/OR EROSION CONTROL FENCE SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.
  - (D) BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODABLE AREAS, AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE IMMEDIATELY EXPECTED, AS STATED IN THE SPECIAL PROVISION "TEMPORARY EROSION CONTROL SEEDING".
  - (E) 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 DAYS.
  - (F) AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), EROSION CONTROL FENCE, TEMPORARY DITCH CHECKS, OR RIPRAP DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE. EROSION CONTROL ITEMS WILL NOT BE ALLOWED TO BE INSTALLED TO CAUSE FLOODING TO UPSTREAM PRIVATE PROPERTY WHICH COULD CAUSE CROP DAMAGES OR OTHER UNDESIREABLE CONDITIONS.
2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVERSEEDING CAN BE COMPLETE.
3. A THIRD BENEFIT OF THESE FILTER AREAS IS THAT THEY WILL BEGIN TO PROVIDE A SCREEN AND BUFFER. THEY WILL HELP PROTECT THE CONSTRUCTION SITE FROM WINDS AND EXCESS SUN AND MITIGATE CONSTRUCTION NOISE AND DUST.

DRAWN BY <u>J.J.S.</u>		<b>STORM WATER POLLUTION PREVENTION PLAN EAST GRANT STREET IMPROVEMENTS</b>	
CHECKED BY <u>L.L.O.</u>			
APPROVED BY <u>W.J.S.</u>			
DATE <u>JANUARY 2005</u>			
REVISIONS			
DATE	BY		
<u>3/22/05</u>	<u>WJS</u>		
FIELD BOOK:		SCALE:	JOB NO. <u>04e1466</u> SHEET <u>39</u> OF <u>66</u>

**MACOMB, ILLINOIS**



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