NPDES PERMITS ASSOCIATED WITH THIS PROJECT:

⊠ILR10 ⊠ILR40 PERMIT NO. 0493

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 PROPERTY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. 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.

MARY C. LAMIE

DEPUTY DIRECTOR OF HIGHWAYS REGION FIVE ENGINEER TITLE

IL DEPT. OF TRANSPORTATION
AGENCY

Manginature ame

YS 1/2/2008

I. SITE DESCRIPTION:

CHECKED CHECKED

BOOK

A. THE FOLLOWING IS A DESCRIPTION OF THE PROJECT LOCATION:

THE PROPOSED PROJECT CONSISTS OF 0.91 KM OF CONSTRUCTION OF A TWO-LANE LOCAL ROUTE ON NEW ALIGNMENT.

B. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

CONSTRUCTION CONSISTS OF S.N. 060-0306 OVER FAP 310, AND THE BOX CULVERT CARRYING WENZEL ROAD OVER ROCK CREEK BRANCH. PROPOSED WENZEL ROAD IS TO BE CONSTRUCTED ON NEW ALIGNMENT, WITH RELATED DRAINAGE AND EARTHWORK.

C. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

- 1. TREE REMOVAL WILL BE COMPLETED TO REMOVE AN AREA OF 2.0 HECTARES AND 92 TREES.
- EXCAVATION WILL BE COMPLETED ALONG THE MAJORITY OF THE PROJECT TO GRADE OUT FOR PROPOSED ROADWAY DITCHES AND WATERWAYS.
- EMBANKMENT WILL BE COMPLETED TO FILL AREAS TO RAISE THE EXISTING GROUND ELEVATION TO MEET THE PROPOSED ROADWAY FORESLOPE AND BACKSLOPE.
- DRAINAGE STRUCTURES WILL BE INSTALLED BEFORE AND/OR DURING THE CONSTRUCTION OF THE EXCAVATION AND EMBANKMENT TO MAINTAIN ACCEPTABLE DRAINAGE.
- PLACEMENT, MAINTENANCE, REMOVAL, AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL, SUCH AS PERIMETER EROSION BARRIER, TEMPORARY DITCH CHECKS, TEMPORARY
- PLACEMENT OF PERMANENT EROSION CONTROL, SUCH AS RIPRAP DITCH LINING, RIPRAP EXCELSIOR BLANKET, SEEDING, ETC.
- 7. FINAL GRADING, CLEAN UP, AND OTHER MISCELLANEOUS ITEMS.
- D. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 7.7 HECTARES.
  THE TOTAL AREA OF THE SITE THAT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER
  ACTIVITIES IS 6.3 ACRES.
- E. THE FOLLOWING IS A WEIGHTED AVERAGE OF THE RUNOFF COEFFICIENT FOR THIS PROJECT AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED:

C = 0.35

SEEDING, ETC.

F. THE FOLLOWING IS A DESCRIPTION OF THE SOIL TYPES FOUND AT THE PROJECT SITE FOLLOWED BY INFORMATION REGARDING THEIR EROSIVITY.

FOUR SOIL TYPES ARE LOCATED WITHIN THE PROJECT LIMITS. THESE ARE:

MENFRO-HICKORY SILT LOAMS (701F) - A WELL-DRAINED SOIL FOUNDED ON LOESS & GLACIAL TILL. THE SOIL IS SUSCEPTIBLE TO WIND AND WATER EROSION WITH SLOPES BETWEEN 18 TO 35 PERCENT.

WINFIELD SILT LOAM (477B) - A MODERATELY WELL-DRAINED SOIL FOUNDED ON SUMMITS OF LOESS COVERED TILL PLAINS. THIS SOIL HAS A MODERATE SUSCEPTIBILITY TO WATER AND WIND EROSION WITH SLOPES THAT ARE BETWEEN TWO AND FIVE PERCENT.

MENFRO SILT LOAM (79B) - A WELL-DRAINED SOIL FOUNDED ON SUMMITS OF LOESS COVERED TILL PLAINS. THIS SOIL HAS A MODERATE SUSCEPTIBILITY TO WATER AND WIND EROSION WITH SLOPES THAT ARE BETWEEN TWO AND FIVE PERCENT.

HICKORY SILT LOAM (8F) - A WELL-DRAINED SOIL FOUNDED ON GLACIAL TILL, THIS SOIL IS SUSCPTIBLE TO SUSCEPTIBLE TO WIND AND WATER EROSION WITH SLOPES BETWEEN 18 TO 35 PERCENT.

- G. THE FOLLOWING IS A DESCRIPTION OF POTENTIALLY EROSIVE AREAS ASSOCIATED WITH THIS PROJECT
- 1. RELOCATED WATT LANE
- 2. WENZEL ROAD STA, 10+125 LT TO STA, 10+175 LT
- 3. WENZEL ROAD STA. 10+125 RT TO STA. 10+262.5 RT
- 4. PROPOSED ROCK CREEK BRANCH CULVERT
- H. THE FOLLOWING IS A DESCRIPTION OF SOIL DISTURBING ACTIVITIES, THEIR LOCATIONS, AND THEIR EROSIVE FACTORS (E.G. STEEPNESS OF SLOPES, LENGTH OF SLOPES, ETC):

PROPOSED ROADWAY IMPROVEMENTS AT THIS SITE INCLUDE PROPOSED EXCAVATION AND EMBANKMENT, GRADING AND SHAPING OF PROPOSED DITCHES, PROPOSED CULVERT AT ROCK CREEK BRANCH, AND ENTRANCE IMPROVEMENTS WITHIN THE PROJECT LIMITS.

1. SEE THE EROSION CONTROL PLANS AND/OR DRAINAGE PLANS FOR THIS CONTRACT FOR INFORMATION REGARDING DRAINAGE PATTERNS, APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND CONTROLS TO PREVENT OFF SITE SEDIMENT TRACKING ITO BE ADDED AFTER CONTRACTOR IDENTIFIES LOCATIONS), AREAS OF SOIL DISTURBANCE, THE LOCATION OF MAJOR STRUCTURAL AND NON-STRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS) AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO SURFACE WATER INCLUDING WETLANDS.

J. THE FOLLOWING IS A LIST OF RECEIVING WATER(S) AND THE ULTIMATE RECEIVING WATER(S), AND AREAL EXTENT OF WETLAND ACREAGE AT THE SITE. THE LOCATION OF THE RECEIVING WATERS CAN BE FOUND ON THE EROSION AND SEDIMENT CONTROL PLANS.

ROCK CREEK BRANCH

K. THE FOLLOWING POLLUTANTS OF CONCERN WILL BE ASSOCIATED WITH THIS CONSTRUCTION PROJECT: (CHECK ALL THAT APPLY)

© SOIL SEDIMENT

© CONCRETE

© CONCRETE TRUCK WASTE

© CONCRETE CURING COMPOUNDS

© CONCRETE CURING COMPOUNDS

© SOIL D WASTE DEBRIS

□ SOIL WASTE WASTE

□ SOIL VENTS

□ SOIL VENTS

□ FERTILIZERS / PESTICIDES

□ OTHER (SPECIFY)

II CONTROLS

THIS SECTION OF THE PLAN ADDRESSES THE CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN I.C. ABOVE AND FOR ALL USE AREAS, BORROW SITES, AND WASTE SITES, FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. THE CONTRACTOR SHALL PROVIDE TO THE RESIDENT ENGINEER A PLAN FOR THE IMPLEMENTATION OF THE MEASURES INDICATED. THE CONTRACTOR, AND SUBCONTRACTORS, WILL NOTIFY THE RESIDENT ENGINEER OF ANY PROPOSED CHANGES, MAINTENANCE, OR MODIFICATIONS TO KEEP CONSTRUCTION ACTIVITIES COMPLIANT WITH THE PERMIT. EACH SUCH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH WILL BE PROVIDED AT THE PRE-CONSTRUCTION CONFERENCE, AND ARE A PART OF, THIS PLAN:

A. EROSION AND SEDIMENT CONTROL

- 1. STABILIZED PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE SPECIFIC SCREDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: TEMPORARY SEEDING, PERMANENT SEEDING, MICHING, GEOTEXTILES, SODDING, VEGETATIVE BUTES STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES. EXCEPT AS PROVIDED BELOW IN INACTION AND INCAST, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITYS HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY CEASED, BUT IN OCCUR FOR A PERIOD OF 21 OR MORE CALENDAR DAYS.
  - WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE THEREAFTER.

THE FOLLOWING STABILIZATION PRACTICES WILL BE USED FOR THIS PROJECT: (CHECK ALL THAT APPLY)

PRESERVATION OF MATURE VEGETATION
UVEGETATED BUFFER STRIPS
PROTECTION OF TRES
DEMPORARY EROSION CONTROL SEEDING
DEMPORARY TURF (SEEDING, CLASS 7)
DEMPORARY MULCHING
PERMARNENT SEEDING
DEMPORARY MULCHING
DEMPORARY MULCHING
DEMPORARY MULCHING
DEMPORARY MULCHING
DEMPORARY MULCHING
DEMPORARY MULCHING
DEMPORARY SEEDING
DEMPORARY MULCHING
DEMPORARY SEEDING
DEMPORARY SEEDING

DESCRIBE HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED

- AREAS OF EXISTING VEGETATION (WOOD AND GRASSLANDS) OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
- DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.
- AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.
- BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODABLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN DAYS.
- 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.
- AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS (ADJACENT LANDOWNERS), TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.
- 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 COMPLETED.

DURING CONSTRUCTION

- AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING (EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER), PARKING OF VEHICLES OR CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS, OR OTHER CONSTRUCTION RELATED ACTIVITIES.
- WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION 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.
- AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
  - -PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS
  - -TEMPORARILY SEED ERODABLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
  - -CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
  - -TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.
  - -BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT.

A Rev. 1-4-08

 F.A.P.
 SECTION
 COUNTY
 TOTAL SHEET NO.

 310
 60-15HB
 MADISON
 185
 52

 STA.
 TO STA.

 FED. ROAD DIST. NO. \_
 ILLINOIS
 FED. AID PROJECT

CONTRACT NO. 76626

-CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME, PLACING PERMANENT CONTROL SUCH AS RIPRAP DITCH LINING AND CONDUCTING FINAL SHAPING TO THE SLOPES.

- EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR 7 DAYS.
- CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES
  SHALL BE TAKEN TO CONTAIN ANY FUEL OF OTHER POLLUTANT IN ACCORDANCE 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 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 CONSTRUCTION FIELD ENGINEER ON A
  BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER
  EROSION CONTROL WORK IS NECESSARY.
- SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EARTH EXCAVATION.
- THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR TEMPORARY EROSION CONTROL SYSTEM.

ILLINOIS DEPARTMENT OF TRANSPORTATION
STORM WATER POLLUTION
PREVENTION PLAN

PREVENTION PLAN
WENZEL ROAD
SECTION 60-15HB
MADISON COUNTY

SCALE: NONE DATE: 04/2005

NAME

DATE

DRAWN BY: JH
CHECKED BY: FMI

STORM WATER POLLUTION PREVENTION PLAN

uments and Settings∯muehifeldac@Local Settings&Iemporary Internet F∏es@OLK8O@swppp.dgn

s¢DATE¢¢ 1/2/2008 Ci@Documents and S