

THE FOLLOWING NOTES SUPPLEMENT THE EROSION CONTROL PLAN, BDE 2342, AND HIGHWAY STANDARD 280001. INCORPORATION OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE VARIOUS/APPLICABLE PAY ITEMS IN THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**PROJECT NAME:**

MORRIS BIKE TRAIL CONSTRUCTION - SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE  
SECTION 9, TOWNSHIP 4 NORTH, RANGE 8 WEST OF THE 3RD PRINCIPAL MERIDIAN  
SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE CAMPUS  
EDWARDSVILLE, MADISON COUNTY, ILLINOIS 62026

**OWNER NAME & ADDRESS:**

SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE  
SUPPORTING SERVICES 1002  
EDWARDSVILLE, IL 62025

**DESCRIPTION:**

SOIL DISTURBING ACTIVITIES WILL INCLUDE: CLEARING AND GRUBBING, SOIL MODIFICATION, PAVEMENT, GUTTER, DRAINAGE AND FINE GRADING.

WATERSHED SOIL CLASSIFICATION: HYDROLOGIC SOIL GROUP "B".

EROSION CONTROL MEASURES SHALL INCLUDE: CONCRETE WASHOUT AREA, PERIMETER SILT FENCE, INLET AND PIPE PROTECTION, MAINTAIN AGGREGATE ROADS AND PATHS, TEMPORARY AND PERMANENT VEGETATION, EROSION CONTROL BLANKET, TURF REINFORCEMENT MAT, TEMPORARY DITCH CHECK, STONE RIPRAP, AND MULCH.

**SITE AREA:**

THE DISTURBED SITE IS APPROXIMATELY 4.6 ACRES.

**THE SEQUENCE OF MAJOR ACTIVITIES SHALL BE AS FOLLOWS:**

1. SUBMIT A NOTICE OF INTENT (NOI) TO THE IEPA.
2. DESIGNATE A VEHICLE WASTE AREA.
3. CLEAR AND GRUB.
4. INSTALL EROSION CONTROL MEASURES, INCLUDING PERIMETER SILT FENCE, DITCH CHECKS, ETC.
5. STABILIZE DENUDED AREA AND STOCKPILES WITH TEMPORARY SEEDING WITHIN 14 DAYS OF THE LAST GRADING ACTIVITY IN THAT AREA.
6. CONSTRUCT CONCRETE WASHOUT AREA.
7. INSTALL STORM SEWER.
8. INSTALL INLET PROTECTION ON NEW INLETS.
9. CONSTRUCT CONCRETE CUTTER, PAVEMENT SUBGRADE & SUBBASE, AND HMA PAVEMENT.
10. COMPLETE FINE GRADING AND INSTALL PERMANENT SEEDING AND PLANTINGS.
11. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND ALL VEGETATION IS ESTABLISHED, UPON APPROVAL BY THE SIUo STORM WATER MANAGER AND/OR PROJECT ENGINEER, REMOVE ALL EROSION CONTROL MEASURES, AND RESEED ANY AREAS DISTURBED BY THEIR REMOVAL.
12. SUBMIT A NOTICE OF TERMINATION (NOT) TO THE IEPA.

**NAME OF RECEIVING WATERS:**

ALL STORM WATER DISCHARGE FROM THIS PROJECT IS DIRECTED TO AN UNNAMED TRIBUTARY TO CAHOKIA CREEK.

**OFFSITE VEHICLE TRACKING:**

THE EXISTING AGGREGATE ENTRANCES SHALL BE UTILIZED AS CONSTRUCTION ENTRANCES TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. PAVED STREETS ADJACENT TO THE SITE SHALL BE CLEANED DAILY OR MORE FREQUENTLY AS NECESSARY. CLEANING SHALL INCLUDE SCRAPING SIGNIFICANT AMOUNTS OF SOIL AND POWER SWEEPING AS NEEDED TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE.

**TIMING OF CONTROL MEASURES:**

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE PERIMETER SILT FENCE SHALL BE CONSTRUCTED PRIOR TO THE CLEARING AND GRUBBING. AREAS WHERE CONSTRUCTION ACTIVITY WILL TEMPORARILY CEASE FOR MORE THAN 14 DAYS SHALL BE STABILIZED WITH TEMPORARY SEEDING AND MULCH.

TEMPORARY SEEDING SHALL CONSIST OF RYE OR WHEAT APPLIED AT A RATE OF 100 POUNDS PER ACRE. AFTER SEEDING, STRAW MULCH SHALL BE APPLIED AT A RATE OF 4,000 POUNDS PER ACRE AND ANCHORED BY CRIMPING.

ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA SHALL BE STABILIZED WITH PERMANENT SEEDING.

TOPSOIL AND SUBSOIL STOCKPILE AREA SHALL BE SURROUNDED BY A PERIMETER EROSION FENCE.

AFTER THE ENTIRE SITE IS STABILIZED, ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE PERIMETER SILT FENCE AND THE ITEMS SHALL BE REMOVED. A UNIFORM PERENNIAL VEGETATIVE COVER WITH A DENSITY OF 70 PERCENT OF THE COVER FOR UNPAVED AREA NOT COVERED BY PERMANENT STRUCTURES SHALL BE ESTABLISHED FOR THE SITE TO BE FULLY STABILIZED.

THE CONTRACTOR SHALL INSPECT AND REMOVE ANY LOOSE MATERIAL THAT IS DEPOSITED IN THE FLOW LINES OF GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. TO ENSURE THAT THE NATURAL FLOW LINE OF WATER IS NOT OBSTRUCTED. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES, PIPING, AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS.

AT THE CONCLUSION OF EACH DAY, THE CONTRACTOR SHALL INSURE POSITIVE SITE DRAINAGE TO AN AREA PROTECTED BY EROSION CONTROLS. SITE DRAINAGE MAY BE ACHIEVED BY SHEET FLOW, STORM SEWERS, DITCHING, OR PUMPING.

AT NO ADDITIONAL COST TO THE CONTRACT, TECHNIQUES - SUCH AS THE APPLICATION OF WATER - SHALL BE EMPLOYED TO PREVENT THE BLOWING OF DUST OR SEDIMENT FROM THE SITE.

**CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS:**

THE EROSION CONTROL PLAN REFLECTS THE SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE REQUIREMENTS FOR STORM WATER MANAGEMENT AND EROSION AND SEDIMENT CONTROL. TO ENSURE COMPLIANCE, THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND THE REQUIREMENTS OF THE NPDES PERMIT PROGRAM AND THE SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE STORM WATER MANAGEMENT PROGRAM.

**NON-STORM WATER DISCHARGES**

IT IS ANTICIPATED THAT SOME NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD. ALL NON-STORM WATER DISCHARGES SHALL BE DIRECTED TO THE WASHOUT AREAS PRIOR TO DISCHARGE. THE WASHOUT SHALL BE CONSTRUCTED BY THE GENERAL CONTRACTOR AS DIRECTED BY THE ENGINEER AND REMOVED BY THE GENERAL CONTRACTOR AFTER CONSTRUCTION OPERATIONS HAVE CEASED.

ANTICIPATED NON-STORM DISCHARGES EXPECTED INCLUDE VEHICLE WASH WATERS, CONCRETE TRUCK WASH WATER, PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED), AND UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

ALL DEWATERING ACTIVITIES MUST DISCHARGE IN AN AREA THAT CONTAINS EROSION AND SEDIMENTATION CONTROL DEVICES.

PROVIDE ONE CONCRETE WASHOUT AREA THAT IS ADEQUATELY CONSTRUCTED TO CONTAIN AND PREVENT ALL WASH WATER AND SPOILS FROM ENTERING THE STORM SYSTEM (CHANNELS, INLETS, PIPES, ETC. AND FROM SEEPING INTO THE SOIL.

**PRODUCT SPECIFIC PRACTICES**

THE FOLLOWING PRODUCT SPECIFIC PRACTICES SHALL BE FOLLOWED ONSITE:

1. PETROLEUM PRODUCTS:

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS SHALL BE STORED IN TIGHTLY SEALED CONTAINERS, WHICH ARE CLEARLY LABELED. ANY BITUMINOUS SUBSTANCES USED ONSITE SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

2. FERTILIZERS:

FERTILIZERS USED SHALL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER SHALL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE SHALL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

3. INLET AND PIPE PROTECTION:

STRAW OR HAY BALES WILL NOT BE PERMITTED FOR INLET AND PIPE PROTECTION. PROTECTION SHALL BE COMPOSED OF SILT FILTER FENCE OR ANY OTHER MATERIAL APPROVED BY THE ENGINEER.

**ENDANGERED SPECIES**

THE ORNATE BOX TURTLE, LISTED AS A THREATENED SPECIES BY ILLINOIS IN OCTOBER 2009, IS KNOWN TO INHABIT THE PROJECT AREA. FROM LATE SEPTEMBER THROUGH MID-APRIL, THE SPECIES HIBERNATES IN BURROWS AS DEEP AS THREE FEET UNDERGROUND. WHEN NOT IN HIBERNATION, THE TURTLE'S DAILY PATTERN CONSISTS OF AN EARLY MORNING EMERGENCE, FOLLOWED BY BASKING TO RAISE ITS BODY TEMPERATURE. WHEN THE RIGHT TEMPERATURE FOR ACTIVITY IS ACHIEVED, IT FORAGES FOR SEVERAL HOURS UNTIL TEMPERATURES BECOME TOO HIGH, WHEN IT THEN RETURNS TO A BURROW UNTIL TEMPERATURES ALLOW FOR A SECOND FORAGE PERIOD.

THE FOLLOWING PRACTICES SHALL BE FOLLOWED:

1. IF ORNATE BOX TURTLES ARE ENCOUNTERED, WORK MUST IMMEDIATELY STOP AND MARK PHIPPS, IDNR DISTRICT HERITAGE BIOLOGIST (618-462-1181 x137), AND DR. BETH WALTON, SIUo, (618-650-3623), MUST BE CONTACTED. KEEP IN MIND THAT IT IS A CRIMINAL ACT TO HANDLE OR MOVE A LISTED SPECIES.
2. ALL ONSITE PERSONNEL SHOULD BE EDUCATED ON HOW TO RECOGNIZE THIS SPECIES. COLOR PHOTOS AND EDUCATIONAL MATERIAL SHOULD BE DISTRIBUTED AT THE PRECONSTRUCTION MEETING.
3. TRENCHES AND EXCAVATION DUG AS A RESULT OF THIS PROJECT SHOULD BE COVERED AT THE END OF EACH WORK DAY AND INSPECTED AT THE START OF EACH WORK DAY TO ENSURE THAT NO TURTLES ARE TRAPPED IN THEM.
4. VEHICLES AND MACHINERY SHOULD AVOID SANDY SOILS AND USE MATTING AS NECESSARY TO AVOID COMPACTION.
5. IF SILT FENCING IS INSTALLED, IT SHOULD BE INSPECTED DAILY (FOR THE FIRST TWO WEEKS, AND WEEKLY THEREAFTER) TO CHECK FOR THE PRESENCE OF TURTLES ON EACH SIDE.

FILE NAME * 0829073-sh1-eros.dgn	USER NAME * randy	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION &amp; SEDIMENT CONTROL SHEETS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT TIME * 1:42:07 PM	DRAWN -	REVISED -			10-00006-01-BT	MADISON	33	14	
	PLOT SCALE * 40.0000 "/ IN.	CHECKED -	REVISED -			MORRIS TRAIL	CONTRACT NO. 97499			
	PLOT DATE * 5/30/2012	DATE -	REVISED -			SCALE:	SHEET 1 OF 3 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	