

EROSION CONTROL - GENERAL NOTES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	229
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 62479

UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.

THE WILL-SOUTH COOK SOIL AND WATER CONSERVATION DISTRICT (WCSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE WCSWCD.

THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE WCSWCD.

DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED.

PLEASE REPLACE THE EXISTING SILT FENCE DETAIL WITH ILLINOIS URBAN MANUAL STANDARD DRAWING NO. IL-620 (2 SHEETS).

PLEASE REPLACE THE EXISTING STABILIZED CONSTRUCTION ENTRANCE DETAIL WITH IUM STANDARD DRAWING NO. IL-630 (2 SHEETS) WITH COMPLETED VALUES

PLEASE SHOW EROSION CONTROL BLANKET (ECB) ON THE DETENTION BASIN SIDE SLOPES, IN AREAS OF CONCENTRATED FLOW, AND ON SLOPES GREATER THAN OR EQUAL TO 4H:1(V). PLEASE SPECIFY THE TYPE OF ECB TO BE USED IN EACH AREA. ECB SHOULD BE CHOSEN BASED ON SLOPE, VELOCITY, SHEAR STRESS, AND DURATION. ALSO, PLEASE ADD IUM STANDARD DRAWING NO. IL-530 (2 SHEETS).

PLEASE ADD A STANDARD DRAWING FOR IMPLEMENTATION OF EROSION CONTROL BLANKET AND THE SPACING OF STAPLES. IUM IL-530 (2 SHEETS).

ADD NOTE STATING THAT ALL DROP INLETS ON AND ADJACENT TO THE SITE MUST HAVE A SEDIMENT TRAPPING OR CONTAINMENT DEVICE INSTALLED DURING CONSTRUCTION ACTIVITIES

ADD NOTE STATING THAT ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS. INSPECTED DAILY AND CLEANED WHEN NECESSARY

ADD NOTE STATING THAT ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER EACH 1/4" RAIN EVENT

PLEASE ADD NOTE STATING THAT EROSION CONTROL BLANKET AND/OR STRAW MULCH WITH NETTING (DEPENDING ON SLOPE, SLOPE LENGTH, AND FLOW RATES) SHALL BE INSTALLED ON ALL SLOPES AND IN CRITICAL AREAS (I.E. DETENTION BASIN PERIMETERS, BERMS, ETC.) IMMEDIATELY UPON FINAL GRADING

PLEASE ADD NOTE STATING THAT PRIORITY SHALL BE GIVEN TO THE COMPLETION AND STABILIZATION OF THE DETENTION AREAS. WORK IN THESE AREAS SHALL NOT BE PROLONGED IN ATTEMPT THAT ALL FINAL GRADING AND STABILIZATION CAN TAKE PLACE AT ONE TIME.

DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING INTO DRAIN TILES IS STRICTLY PROHIBITED. COMPROMISED DRAIN TILES SHOULD BE IMMEDIATELY REPAIRED OR INCORPORATED INTO STORM WATER FACILITIES.

ADD NOTE STATING "STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES TO REMAIN IN PLACE FOR 21 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING."

PLEASE SHOW PROPOSED LOCATION OF ANY STOCKPILES. STOCKPILES SHOULD BE LOCATED IN AREAS THAT DO NOT HAVE HIGH POTENTIAL FOR CONTRIBUTING SEDIMENTS TO STORM WATER FACILITIES.

WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL.

PLEASE REPLACE ANY REFERENCE TO THE USE OF STRAW BALE INLET PROTECTION WITH THE USE OF ALTERNATIVE MEASURES (I.E. SEE ATTACHED DETAIL OR ILLINOIS URBAN MANUAL STANDARD NO. IL-560). STRAW BALES ARE TYPICALLY NOT INSTALLED CORRECTLY AND CAN LEAD TO ADDITIONAL EROSION AND SEDIMENTATION PROBLEMS.

PLEASE ADD A PLACE IN THE PLANS OR NOTES FOR THE CONTRACTOR CERTIFICATION SIGNOFF AS REQUIRED BY THE GENERAL NPDES PERMIT NO. ILR10. THE WORDAGE SHOULD BE AS FOLLOWS:

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION."

PLEASE ADD NOTE STATING THAT THE BERMS MUST BE STABILIZED IMMEDIATELY UPON RECEIVING FINAL GRADING. STRAW MULCH WITH NETTING OR EROSION CONTROL BLANKET SHALL BE USED ON SIDE SLOPES AND SUMMIT

PLEASE REPLACE ANY REFERENCE TO THE USE OF STRAW BALES WITH THE USE OF ALTERNATIVE MEASURES. FOR AREA DRAIN INLET PROTECTION, SEE ILLINOIS URBAN MANUAL STANDARD DRAWING NO. IL-560 OR ATTACHED DETAIL FOR A POSSIBLE METHOD. ROCK CHECK DAMS (IUM STANDARD DW.NO. IL-605CA OR IL-605R), SEDIMENT LOGS, OR GEOTEXTILE-ENCASED URETHANE FOAM PRODUCTS ARE RECOMMENDED FOR DITCH CHECKS. STRAW BALES ARE TYPICALLY NOT INSTALLED CORRECTLY AND CAN LEAD TO ADDITIONAL EROSION AND SEDIMENTATION PROBLEMS.

PLEASE ADD NOTE STATING THAT IN AREAS WHERE WORK IS COMPLETE, PERMANENT STABILIZATION SHALL OCCUR WITHIN 7 DAYS OF COMPLETION, AND IN AREAS WHERE WORK HAS TEMPORARILY CEASED FOR 21 DAYS OR MORE, TEMPORARY STABILIZATION SHALL OCCUR BY THE 14TH DAY AFTER WORK HAS CEASED.

PLEASE ADD NOTE STATING THAT COMPLETED SLOPES SHALL BE SEEDED AND MULCHED (OR BLANKETED, IF APPLICABLE) AS THE EXCAVATION PROCEEDS TO THE EXTENT CONSIDERED DESIRABLE AND PRACTICAL. PERMANENT SEEDING SHALL BE USED WHENEVER POSSIBLE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDDED AT ONE TIME PLEASE SHOW A ROCK LINED APRON (RLA) AT THE DOWNSTREAM END OF ALL FLARED END SECTIONS ON-SITE. INCLUDE A DETAIL DRAWING FOR THE ROCK LINED APRONS AS FOUND IN THE IUM STANDARD FOR PIPE OUTLET TO FLAT AREA (IL-610).

PLEASE SHOW COMPLETED VALUES FOR THE ROCK SIZING AND APRON DIMENSIONS BASED ON THE PIPE SIZING OF THE OUTLETS AS FOUND IN THE IUM PRACTICE STANDARD CODE. 910.

PLEASE SHOW THE INSTALLATION OF SILT FENCE AT THE BACK OF ALL LOTS THAT BORDER STORM WATER FACILITIES AND DRAINAGE WAYS. THE SILT FENCE SHOULD BE LOCATED IN BETWEEN THE SEEDDED AND BLANKETED AREAS OF THE BASIN SLOPES AND THE BUILDING PADS/LOTS. ADD A NOTE STATING THAT THIS SILT FENCE IS TO BE INSTALLED FOLLOWING THE COMPLETION AND STABILIZATION OF THE STORM WATER FACILITIES AND IS TO REMAIN IN PLACE UNTIL THE CONTRIBUTING AREA IS STABILIZED.

PLEASE PROVIDE A SOIL STABILIZATION CHART FOR THE PROJECT. THE SOIL STABILIZATION CHART SHOULD INCLUDE A CALENDAR TYPE CHART WITH BOTH TEMPORARY AND PERMANENT STABILIZATION MEASURES AND EACH PRACTICE'S APPLICABLE TIME OF THE YEAR. EXAMPLES OF TEMPORARY PRACTICES SHOULD INCLUDE MULCHING AND TEMPORARY SEEDING, AND PERMANENT PRACTICES SHOULD INCLUDE PERMANENT SEEDING, DORMANT SEEDING, SODDING, ETC. FOR EACH PRACTICE A MINIMUM RATE OF APPLICATION SHOULD BE INCLUDED AS A PART OF THE CHART OR A NOTE IN THE CHART. SEEDING AND MULCHING RATES AS WELL AND THE SPECIFICATIONS OF TIME OF YEAR OF APPLICATION AND SEEDING PLANT SPECIES SHOULD BE INCLUDED AND MEET THE MINIMUM REQUIREMENTS OF THE ILLINOIS URBAN MANUAL.

PLEASE ADDRESS THE ISSUE OF PROVIDING TEMPORARY SEDIMENT STORAGE ON-SITE DURING CONSTRUCTION AND GRADING ACTIVITIES. PLEASE SHOW THE LOCATIONS OF TEMPORARY SEDIMENT BASINS (134 CUBIC YARDS PER ACRE OF DISTURBANCE). A MAINTENANCE SCHEDULE FOR THESE FACILITIES SHALL ALSO BE INCLUDED IN THE PLANS. IF THE PERMANENT DETENTION FACILITIES ARE TO BE USED FOR THIS PURPOSE, PLEASE SHOW: 1) THE LOCATION OF STRUCTURES TO PREVENT SEDIMENT FROM LEAVING THE BASIN, SUCH AS THE SEDIMENT BASIN DEWATERING DEVICE ALREADY DETAILED IN THE PLANS; 2) A MAINTENANCE SCHEDULE; AND 3) A NOTE STATING THAT ONCE THE CONTRIBUTING AREA IS STABILIZED, THE BASIN NEEDS TO BE CLEANED OUT AND THE FINAL PROPOSED GRADE MUST BE ACHIEVED.

PLEASE ADD THE FOLLOWING NOTE. "THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING".

PLEASE SHOW EROSION CONTROL BLANKET CONTINUING TO THE TOP OF ALL DETENTION BASIN SLOPES. ALSO SHOW EROSION CONTROL BLANKET ON ALL ROADWAY/BIKE PATH EMBANKMENTS, DRAINAGE SWALES, COMMON OPEN SPACE, OR DISTURBED OUTLOTS WITH SLOPES EQUAL TO OR GREATER THAN 4H:1V. THIS SHOULD INCLUDE THE BACK SIDE OF DETENTION BASIN BERMS, ESPECIALLY THOSE ADJACENT TO WETLAND AREAS.

PLEASE ADD A NOTE STATING, "NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. THE STREAM BANKS SHOULD BE STABILIZED AT THE END OF EACH DAY. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS."

PLEASE ADD NOTE THAT EXPLICITLY STATES THAT "ALL DISTURBED AREAS AND WORK AREAS MUST BE ISOLATED FROM CREEK FLOWS AT ALL TIMES. THE DIVERSION/ISOLATION OF THE CREEK FLOWS MUST CONSTRUCTED FROM NON-ERODIBLE MATERIALS. THE WCSWCD MUST BE IN AGREEMENT WITH OVERALL EXACT METHOD OF DIVERSION/ISOLATION PRIOR TO THE COMMENCEMENT OF CONSTRUCTION."

PLEASE INCLUDE A CONSTRUCTION SEQUENCE FOR THE PLACEMENT OF THE PIPE AND OUTLET INTO NAMED CREEK. THIS SHOULD INCLUDE:

1. PLACE SILT FENCE ON EITHER SIDE OF THE TRENCH AND HAUL ROAD THAT WILL BE CREATED IN ORDER TO PLACE THE STORM WATER PIPE. THE SILT FENCE SHOULD REMAIN IN PLACE UNTIL THE ENTIRE AREA WITHIN THE WETLAND/STREAMBANK IS STABILIZED.
2. THE CHANNEL MUST BE SEEDDED AND STABILIZED WITH AN APPROPRIATE EROSION CONTROL BLANKET PRIOR TO ACCEPTING FLOWS.
3. DURING WORK ON THE BANK OF NAMED CREEK, WORK MUST BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS. ALSO, STREAM FLOW MUST BE ISOLATED FROM THE WORK AREA USING A NON-ERODIBLE COFFERDAM (SANDBAGS, STEEL SHEETS, AQUA BARRIERS, ETC.). ALSO, IF BYPASS IS NECESSARY, THE INLET OF THE HOSE SHALL BE PLACED A SUMP PIT AND THE OUTLET PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW OR WETLAND.
4. THE FLARED END SECTION SHOULD INCLUDE A ROCK LINED APRON AND THEN THIS AREA IS TO BE IMMEDIATELY BROUGHT TO FINAL GRADE, SEEDDED, AND STABILIZED UPON COMPLETION OF THE GRADING WORK.

IF TUNNELING UNDER WETLANDS OR CREEKS WITH UTILITIES PLEASE ADD THE FOLLOWING NOTE: "THE PERMIT FOR CROSSING THE WETLAND/CREEK/STREAM IS BASED UPON PILOT MICRO TUNNELING/ DIRECTIONAL DRILLING OF THE SEWER/WATER MAIN. IF A DIFFERENT METHOD OF INSTALLATION IS PROPOSED, A DIFFERENT PERMIT IS REQUIRED."

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p>EROSION CONTROL PLANS</p> <p>GENERAL NOTES</p> <p>U.S. RTE. 30 (LINCOLN HIGHWAY)</p> <p>STA. 146+00 TO STA. 174+00</p> <p>SCALE : 1" = 50' DRAWN BY : BAE</p> <p>DATE : / / CHECKED BY : GB</p>