

1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSTALLED AT A MINIMUM, ACCORDING TO THE IDOT STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, HIGHWAY STANDARDS AND DETAILS CONTAINED HEREIN, REVISED TO THE LATEST EDITION AS AMENDED. A COPY OF THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IN CONJUNCTION WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
2. THE CONTRACTOR SHALL CLEAN UP AND GRADE THE WORK AREA AS THE PROJECT PROGRESSES TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR SHALL INSTALL APPROPRIATE SEDIMENT CONTROL DEVICES TO TRAP SEDIMENT. PAVEMENT SHALL BE CLEANED DAILY TO REMOVE EARTHEN MATERIAL TO THE SATISFACTION OF THE RESIDENT ENGINEER.
3. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENTATION BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES, STORMWATER STRUCTURES OR WATERS OF THE U.S. IS STRICTLY PROHIBITED.
4. THE CONTRACTOR SHALL MAINTAIN AND PRESERVE ANY EXISTING SUB-SURFACE DRAINAGE SYSTEMS, SUCH AS FIELD TILES, ACCORDING TO EXISTING DESIGN AND CONSTRUCTION STANDARDS.
5. A WRITTEN STORMWATER POLLUTION PREVENTION PLAN (SWPPP), MEETING THE REQUIREMENTS OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY CURRENT NPDES STORM WATER PERMIT FOR CONSTRUCTION ACTIVITIES, HAS BEEN PROVIDED INCLUDING DETAILS OF SPECIFIC DEVICES INCLUDING, BUT NOT LIMITED TO, SILT FENCE AND DITCH CHECKS, TO BE UTILIZED FOR EROSION AND SEDIMENT CONTROL.
6. CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED TO MINIMIZE THE TIME SOIL IS EXPOSED AND UNPROTECTED.
7. THE CONTRACTOR SHALL MAKE INSPECTIONS A MINIMUM OF ONCE EVERY SEVEN (7) DAYS OF THE FOLLOWING:
  - A. DISTURBED AREAS OF THE PROJECT SITE THAT HAVE NOT BEEN FULLY STABILIZED.
  - B. STRUCTURAL CONTROL MEASURES, INCLUDING BUT NOT LIMITED TO, SILT FENCE AND DITCH CHECKS.
  - C. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE.
8. THE CONTRACTOR MUST COOPERATE WITH ANY AGENTS WHO MAKE THE SITE VISITS TO REVIEW COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) IN THE FIELD AND AUDIT THE LOGS AND RECORDS REQUIRED BY THE PERMIT.
9. STOCKPILES OF SOIL SHALL NOT BE LOCATED WITHIN FLOODPLAINS, RIPARIAN AREAS, WETLANDS AND WATERS OF THE U.S.
10. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE (3) DAYS, THEN SEDIMENT AND EROSION CONTROL SHALL BE PROVIDED FOR SAID STOCKPILE. SEDIMENT AND EROSION CONTROL MAY BE COMPRISED OF SILT FENCE SURROUNDING THE STOCKPILE OR A COVERING OVER THE STOCKPILE AND TEMPORARY SEEDING.

11. IF THE VOLUME, VELOCITY, SEDIMENT LOAD OR PEAK FLOW RATES OF STORMWATER RUNOFF ARE TEMPORARILY INCREASED DURING CONSTRUCTION, THEN PROPERTIES AND SPECIAL MANAGEMENT AREAS DOWNSTREAM FROM SUCH DEVELOPMENT SITES SHALL BE PROTECTED FROM EROSION.
12. ANY AGGREGATE BASE EROSION CONTROL MEASURES SHALL BE REMOVED AND REPLACED WITH NEW AGGREGATE WHEN STRUCTURE BECOMES PLUGGED, SILT LADEN OR AS REQUIRED BY INSPECTION.
13. EROSION CONTROL MEASURES SHALL BE PROVIDED FOR ALL EXISTING AND PROPOSED INLET STRUCTURES WITHIN THE CONSTRUCTION LIMITS.
14. ALL AREAS BROUGHT TO FINAL GRADE WILL BE STABILIZED WITH TOPSOIL, PERMANENT VEGETATION AND EROSION CONTROL BLANKET. EROSION CONTROL BLANKET WILL ALSO BE PLACED AS INDICATED IN THE EROSION AND SEDIMENT CONTROL PLANS.
15. NATURAL RESOURCE CONSERVATION SERVICE (NRCS) AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARDS PRESENTED ON THE CONTRACT DRAWINGS ARE TO BE CONSIDERED A MINIMUM.
16. ANY EROSION AND/OR SEDIMENTATION CONTROL DEVICES DISRUPTED, THAT BELONG TO ANY CONCURRENT CONSTRUCTION CONTRACTS, SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TEMPORARY DRAINAGE DURING THE PROJECT. DAMAGE TO THE SUBGRADE, EXISTING FACILITIES AND/OR CONSTRUCTED WORK WILL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE RESIDENT ENGINEER AT NO ADDITIONAL COST.
18. TEMPORARY AND/OR PERMANENT SOIL STABILIZATION (VEGETATION OR HARDSCAPE) SHALL BE APPLIED TO EXPOSED AREAS AS SOON AS POSSIBLE. AS A MINIMUM, SOIL STABILIZATION SHALL BE PROVIDED WITHIN FOURTEEN (14) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE AND WITHIN FOURTEEN (14) DAYS TO EXPOSED AREAS WHICH MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN TWENTY-ONE (21) DAYS.
19. ALL TEMPORARY FENCING IN WETLAND AREAS SHALL BE ERECTED AT THE CONSTRUCTION LIMITS.
20. "NO INTRUSION AREA" SIGNS SHALL BE ERECTED AT BOTH ENDS OF WETLAND AREAS AND THEN EVERY 250 FEET AS SHOWN ON THE PLANS, SIGNS WILL NOT BE MEASURED FOR PAYMENT, BUT CONSIDERED INCIDENTAL TO TEMPORARY FENCE.

- MAINTENANCE FOR SOIL EROSION CONTROL MEASURES
1. INSPECTIONS SHALL BE PERFORMED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.
  2. VEGETATIVE GROWTH OF TEMPORARY OR PERMANENT SEEDING, SODDING AND VEGETATED CHANNELS SHALL BE MAINTAINED ON A CONTINUAL BASIS WITH ADEQUATE WATER AND FERTILIZER.
  3. THE VEGETATIVE COVER SHALL BE REMOVED AND RE-SEEDED/REPLACED AS NECESSARY UNTIL GERMINATION OR UNTIL BARE EARTH AREAS SUPPORT VEGETATION.
  4. PERIMETER EROSION BARRIER SHALL BE INSPECTED PERIODICALLY AND REPAIRED AS NEEDED.
  5. INLET PROTECTION, PERIMETER EROSION BARRIER AND DITCH CHECKS SHALL HAVE SEDIMENT REMOVED UPON REACHING HALF THE HEIGHT OR CAPACITY OF THE DEVICE.

SUGGESTED SOIL EROSION AND SEDIMENTATION CONTROL AND SEQUENCING

PRE-STAGE

1. INSTALL PERIMETER EROSION CONTROL BARRIERS AND OTHER EROSION CONTROL MEASURES AS SHOWN ON PLANS.
2. INSTALL TEMPORARY DITCH CHECKS AND SEDIMENTATION TRAP AS SHOWN ON PLANS.
3. BEGIN CLEARING OPERATIONS AFTER INSTALLATION OF PERIMETER EROSION BARRIER FOR CURRENT APPLICABLE PHASE.

STAGE 1

1. EXCAVATE DOWNSTREAM BY THE CONCRETE HEADWALL (WEST END OF PROJECT, ELEVATION 636).
2. GRADE AS SHOWN ON PLANS.
3. APPLY PERMANENT SEEDING AND EROSION CONTROL BLANKET TO AREAS DISTURBED DURING REMOVAL AS NECESSARY.

STAGE 2

1. SET UP A TEMPORARY DRAINAGE DITCH DIVERSION (INCIDENTAL TO CONTRACT) FROM THE 24" RCP INV. = 634.62 USING A METHOD ACCEPTABLE TO THE ENGINEER.
2. INSTALL MANHOLE WITH RESTRICTOR PLATE WITH STORM SEWER STRUCTURES.
3. INSTALL TEMPORARY AGGREGATE DITCH CHECK MOUNDED 4" AT THE OUTFALL PIPE. AFTER CONSTRUCTION, LEVEL THE DITCH CHECK AND KEEP AS PERMANENT OUTFALL STABILIZATION. AN OUTFALL STABILIZATION SHALL ALSO BE PLACED AT THE 24" RCP INV. = 634.62.
4. APPLY PERMANENT SEEDING AND EROSION CONTROL BLANKET TO AREAS DISTURBED DURING REMOVAL AS NECESSARY.

FILE NAME = K:\p199107\1L4301L19\sh_e11.dgn	USER NAME = leuso	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE AND EROSION CONTROL NOTES</b>	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			345	2008-036 LS	COOK		8	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 60E77					
	PLOT DATE = 8/26/2008	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.