

**EROSION CONTROL GENERAL NOTES**

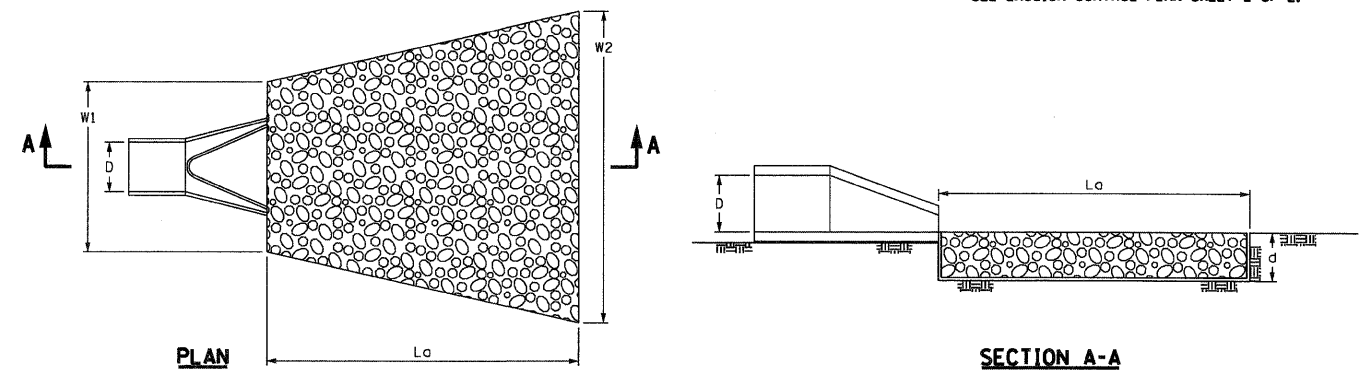
1. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICE WILL BE INSTALLED, AT A MINIMUM, ACCORDING TO THE IDOT STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, HIGHWAY STANDARDS AND DETAILS CONTAINED HEREIN, REVISED TO THE LATEST EDITION AS AMENDED. A COPY OF THE 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 AREAS AS THE PROJECT PROGRESSES TO ELIMINATE THE CONCENTRATION OF RUNOFF, OR SHALL INSTALL APPROPRIATE SEDIMENT AND EROSION CONTROL DEVICES TO HELP ELIMINATE EROSION AND TRAP SEDIMENT.
3. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO A SILT BAG AND DISCHARGED INTO A SEDIMENTATION BASIN OR SILT TRAP. DEWATERING DIRECTLY INTO FIELD TILES, STORMWATER STRUCTURES OR WATERS OF THE US 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. NO STREAMBANK WORK IS ALLOWED BEYOND THE PERMITTED AREA.
6. 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.
7. CONSTRUCTION ACTIVITIES SHALL BE SCHEDULED TO MINIMIZE THE TIME SOIL IS EXPOSED AND UNPROTECTED.
8. 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 BY NOT LIMITED TO, SILT FENCE AND DITCH CHECKS.
  - C. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE.
9. 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.
10. STOCKPILES OF SOIL SHALL NOT BE LOCATED WITHIN FLOODPLAINS, RIPARIAN AREAS, WETLANDS AND WATERS OF THE US.
11. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE (3) DAYS, THEN THE SEDIMENT AND EROSION CONTROL SHALL BE PROVIDED FOR SAID STOCKPILE OR A COVERING OVER THE STOCKPILE.
12. 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.
13. TEMPORARY DITCH CHECKS SHALL BE PLACED AFTER DITCH IS INSTALLED AND BEFORE STORM DRAIN BECOMES OPERATIONAL. THE TEMPORARY DITCH CHECK SHALL BE CONSTRUCTED SO THAT THE CENTER IS APPROXIMATELY SIX (6) INCHES LOWER THAN THE OUTER EDGES SO WATER WILL FLOW ACROSS THE CENTER AND NOT AROUND THE ENDS. SPACING BETWEEN TEMPORARY DITCH CHECKS SHALL BE AS SHOWN IN THE PLANS.
14. 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.
15. SEDIMENT CONTROL MEASURES SHALL BE PROVIDED FOR ALL EXISTING AND PROPOSED INLET STRUCTURES WITHIN THE CONSTRUCTION LIMITS.
16. INLET FILTERS ARE TO BE MAINTAINED WHERE INDICATED IN THE CURRENT STAGE AND IF INSTALLED IN A PREVIOUS STAGE.
17. ALL AREAS BROUGHT TO FINAL GRADE SHALL HAVE ALL TEMPORARY ESC MEASURES REMOVED, AND STABILIZED WITH TOPSOIL AND PERMANENT VEGETATION.
18. NATURAL RESOURCE CONSERVATION SERVICE (NRCS) AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARDS PRESENTED ON THE CONTRACT DRAWINGS ARE TO BE CONSIDERED A MINIMUM.
19. ANY EROSION AND/OR SEDIMENTATION CONTROL DEVICES DISRUPTED, THAT BELONG TO ANY CONCURRENT CONSTRUCTION CONTRACTS, SHALL BE REPLACED IN A KIND AT THE CONTRACTOR'S EXPENSE.
20. 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. ANY ALTERATIONS OR ADDITIONS TO THE EXISTING SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE SUBMITTED TO THE KANE-DUPAGE COUNTY SOIL AND WATER CONSERVATION DISTRICT FOR APPROVAL AND EITHER ADDED TO THE EXISTING PLAN OR UTILIZED IN PLACE OF THE EXISTING PLAN.
21. TEMPORARY AND/OR PERMANENT SOIL STABILIZATION (VEGETATION OR HARDSCAPE) SHALL BE APPLIED TO EXPOSED AREAS AS SOON AS POSSIBLE. SOIL STABILIZATION SHALL BE PROVIDED WITHIN SEVEN (7) DAYS AFTER FINAL GRADE IS REACHED ON ANY PORTION OF THE SITE AND WITHIN SEVEN (7) DAYS TO EXPOSED AREAS WHICH MAY NOT BE AT FINAL GRADE BUT WILL REMAIN UNDISTURBED FOR LONGER THAN FOURTEEN (14) DAYS.
22. ALL EMBANKMENTS SHOULD BE TRACKED PER THE REQUIREMENTS OF THE ILLINOIS URBAN MANUAL SECTION 453 - SURFACE ROUGHENING. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF 'FURNISHED EXCAVATION' AND NO ADDITIONAL COMPENSTION WILL BE ALLOWED.

DENOTES ITEMS OR WORK NOT PAID FOR SEPARATELY.

**MAINTENANCE FOR SOIL EROSION CONTROL MEASURES**

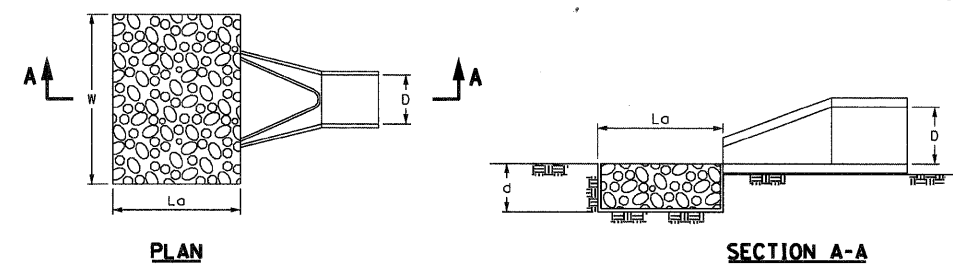
1. INSPECTIONS SHALL BE PERFORMED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER EQUIVALENT SNOWFALL.
2. VEGETATIVE GROWTH OF TEMPORARY OR PERMANENT SEEDING, SODDING AND VEGETATED CHANNELS SHALL BE MAINTAINED ON A CONTINUAL BASIS WITH 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.
6. FOR PROTECTION OF TREES, ANY PROTECTIVE MEASURES INSTALLED WHICH ARE DAMAGED OR REMOVED WILL BE REPAIRED IMMEDIATELY.
7. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION (DATED JULY 1, 2010): (HTTP://WWW.DOT.IL.GOV/DESENV/ENVIRONMENTAL/1DOT%20FIELD%20GUIDE.PDF) AND IDOT'S BEST MANAGEMENT PRACTICES - MAINTENANCE GUIDES: HTTP://WWW.DOT.STATE.IL.US/DESENV/ENVIRONMENTAL/BESTPRACTICES.HTML

**RIPRAP PROTECTION AT CULVERT OUTLETS**



LOCATION	RIPRAP GRADATION	L <sub>0</sub> (FT)	W <sub>1</sub> (FT)	W <sub>2</sub> (FT)	D (IN)	d (IN)	AREA (SQ YD)
10285+00, 24.7' RT	RR3	10	4	7.3	12	8	6.3
10286+00, 26.2' RT	RR3	10	4	7.3	12	8	6.3
10287+00, 27.6' RT	RR3	10	4	7.3	12	8	6.3
10288+00, 29.0' RT	RR3	10	4	7.3	12	8	6.3
10289+00, 30.4' RT	RR3	10	4	7.3	12	8	6.3
10290+00, 31.8' RT	RR3	10	4	7.3	12	8	6.3

**RIPRAP PROTECTION AT CULVERT INLETS**



LOCATION	RIPRAP GRADATION	L <sub>0</sub> (FT)	W (FT)	D (IN)	d (IN)	AREA (SQ YD)
10285+00, 16.1' LT	RR3	3	4	12	8	1.4
10286+00, 21.1' LT	RR3	3	4	12	8	1.4
10287+00, 26.8' LT	RR3	3	4	12	8	1.4
10288+00, 34.7' LT	RR3	3	4	12	8	1.4
10289+00, 44.4' LT	RR3	3	4	12	8	1.4
10290+00, 56.3' LT	RR3	3	4	12	8	1.4