

EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. SEE IDOT STANDARD 280001-04 FOR TEMPORARY EROSION CONTROL SYSTEMS.
2. THE USE OF HAY OR STRAW BALES SHALL NOT BE PERMITTED IN THE IMPLEMENTATION OF TEMPORARY DITCH CHECKS.
3. TEMPORARY DITCH CHECK WILL BE MEASURED AND PAID FOR PER FOOT. EACH TEMPORARY DITCH CHECK WILL CONSIST OF TWO 7' LONG UNITS (14 FEET PER LOCATION) AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
4. TEMPORARY DITCH CHECKS WILL BE INSTALLED AFTER GRADING IN THE CHANNEL AND WILL BE REMOVED ONCE THE EROSION CONTROL BLANKET IS INSTALLED.
5. ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE "ILLINOIS PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL", AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY.
6. THE EROSION CONTROL MEASURES SHOWN ARE A GRAPHICAL REPRESENTATION OF THE MINIMUM REQUIREMENTS. DEVIATIONS FROM THIS PLAN ARE EXPECTED AND ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, THE DESIGNATED APPROVED EROSION CONTROL INSPECTOR, OR THE GOVERNING AGENCY.
7. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
8. THE QUANTITY SHOWN FOR TEMPORARY DITCH CHECKS, INLET FILTERS AND DRAINAGE PROTECTION IS SUFFICIENT FOR ONE (1) SETUP AND THE MAINTENANCE WILL BE CONSIDERED AS PART OF THE PAY ITEM FOR THE DURATION OF THE CONTRACT.
9. ALL TEMPORARY SEDIMENT CONTROLS AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR, INCLUDING BUT NOT LIMITED TO CLEANING OF INLET FILTERS AND REMOVAL OF SEDIMENT FROM PERIMETER EROSION BARRIER.
10. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
11. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY. ANY NECESSARY REPAIRS OR CLEANUP SHALL BE INCIDENTAL TO THE ASSOCIATED PAY ITEM.
12. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT AND THE STORM WATER POLLUTION PREVENTION PLAN.
13. ALL DISTURBED AREAS SHALL BE SEEDED AS SHOWN ON THE LANDSCAPING PLANS AND/OR THE EROSION AND SEDIMENT CONTROL PLANS WITHIN SEVEN (7) DAYS AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED.
14. ALL SLOPES 3:1 OR STEEPER SHALL BE SEEDED IMMEDIATELY AND COVERED WITH EROSION CONTROL BLANKET. ALL FLATTER AREAS THAT DO NOT HAVE A COVER OF VEGETATION AND WHERE NO FURTHER WORK IS TO OCCUR FOR ONE (1) WEEK OR MORE SHALL BE SEEDED WITH TEMPORARY EROSION CONTROL SEEDING AND COVERED WITH MULCH METHOD 2 WITHIN SEVEN (7) CALENDAR DAYS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
15. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORM WATER AND SHALL FOLLOW IEPA & IDOT CONSTRUCTION MEMORANDUM NO. 02-60.
16. AT THE END OF EACH WORK DAY, THE SITE SHALL BE GRADED TO MAINTAIN THE DRAINAGE PATTERN ESTABLISHED IN THE EROSION CONTROL PLAN. THIS WORK SHALL BE INCLUDED IN THE COST OF THE EROSION CONTROL ITEMS.

17. SEDIMENT CONTROL, SILT FENCE SHALL BE PLACED FIVE (5) FEET OUTSIDE THE EDGE OF SHOULDER OF THE PATH AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

18. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

19. SEDIMENT AND MUD DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORKING DAY BY SHOVELING AND/OR SWEEPING. THIS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

20. ANY LOOSE MATERIAL THAT IS DEPOSITED IN THE FLOW LINE OF ANY GUTTER OR DRAINAGE STRUCTURE DURING CONSTRUCTION OPERATIONS SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. THIS INCLUDES ANY LOOSE MATERIAL OR BUILD UP THAT EXISTED BEFORE COMMENCEMENT OF CONSTRUCTION OPERATIONS. THIS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

21. EROSION CONTROL MEASURES AROUND PROPOSED INLETS AND CULVERTS SHALL BE CONSTRUCTED IMMEDIATELY AFTER THE DRAINAGE ITEMS ARE CONSTRUCTED AND MAINTAINED.
22. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES.
23. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE ENGINEER OR THE APPROVED EROSION CONTROL INSPECTOR.
24. DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO THE TEMPORARY SEDIMENT BASINS OR DEWATERING BAGS AS SHOWN ON THE PLANS. DEWATERING DIRECTLY INTO FIELD TILES OR STORM WATER STRUCTURES IS PROHIBITED. DEWATERING BAGS SHALL BE PLACED ON STABLE GROUND AND SHALL BE SIZED AND INSTALLED PER THE MANUFACTURER'S RECOMMENDATION.
25. ALL 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 SEEDED AT ONE TIME.
26. AREAS THAT HAVE BEEN STRIPPED AND WILL NOT RECEIVE PERMANENT LANDSCAPING BEFORE THE END OF THE FALL SEEDING RESTRICTION SHALL RECEIVE TEMPORARY SEEDING TYPE 7. SUFFICIENT QUANTITY OF SEEDING, CLASS 7 IS SPECIFIED TO COVER THE LIMITS OF THE LANDSCAPING WITHIN THE CONSTRUCTION ZONE DURING THE NON-CONSTRUCTION SEASON.
27. 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 SEEDING, CLASS 7, MULCH, METHOD 2 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.
28. CONCRETE TRUCK WASHOUT SHALL NOT BE DISCHARGED INTO THE SURROUNDING AREAS. THE WASHOUT SHALL BE COLLECTED ON SITE AND DISPOSED OF AT AN APPROVED LOCATION (i.e. BACK AT THE PLANT).
29. CONCRETE TRUCK WASHOUT LOCATIONS SHALL BE IDENTIFIED BY THE CONTRACTOR AT THE PRECONSTRUCTION MEETING FOR THE APPROVAL OF THE ENGINEER AND CITY OF DES PLAINES.
30. PERIMETER EROSION CONTROL BARRIER SHALL BE INSTALLED AROUND THE ENTIRE CIRCUMFERENCE OF ANY STOCKPILES.

SCHEDULE OF QUANTITIES

CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
25000350	SEEDING, CLASS 7	ACRE	2.75
25100115	MULCH, METHOD 2	ACRE	2.75
25100630	EROSION CONTROL BLANKET	SQ YD	13,310
25100900	TURF REINFORCEMENT MAT	SQ YD	570
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	275
28000300	TEMPORARY DITCH CHECKS	FOOT	560
28000400	PERIMETER EROSION BARRIER	FOOT	11,350
28000510	INLET FILTERS	EACH	11
X0301852	DEWATERING STRUCTURE NO. 1	EACH	3
X0322671	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	625
X0426200	DEWATERING	L SUM	1

MAINTENANCE/INSPECTION PROCEDURES

1. THE FOLLOWING ARE THE INSPECTION AND MAINTENANCE PROCEDURES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROL:
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INITIAL CONSTRUCTION OF THE EROSION CONTROL MEASURES SHOWN IN THE PLAN, AND SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF SAID FACILITIES UNTIL THE COMPLETION OF CONSTRUCTION OF THOSE IMPROVEMENTS IN HIS CONTRACT. THE CONTRACTOR SHALL REQUEST IN WRITING A RELEASE FROM IDOT FOR MAINTENANCE OF THE SITE UPON COMPLETION OF THIS WORK. IDOT SHALL ISSUE SAID RELEASE WITHIN 15 DAYS OF THE CONTRACTOR'S REQUEST, PROVIDING THE CONTRACTOR HAS COMPLETED ALL WORK REQUIRED UNDER THE CONTRACT. THE CONTRACTOR'S EROSION CONTROL MAINTENANCE RESPONSIBILITIES SHALL BE EXCLUSIVE OF THE CONSTRUCTION WARRANTY AND/OR GUARANTEE PERIOD.
3. ALL CONTROL MEASURES (EXCEPT "STABILIZED CONSTRUCTION ENTRANCE") WILL BE INSPECTED BY QUALIFIED PERSONNEL AT LEAST ONCE EACH WEEK AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES ARE GREATER (OR EQUIVALENT SNOW MELT). STABILIZED CONSTRUCTION ENTRANCES WILL BE INSPECTED DAILY.
4. ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
5. BUILT-UP SEDIMENT WILL BE REMOVED FROM ALL SEDIMENT CONTROL DEVICES WHEN IT HAS REACHED ONE-HALF THE HEIGHT OF THE FENCE. THIS SEDIMENT SHALL BE RESPREAD AND VEGETATED.
6. SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
7. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION AND SHALL BE KEPT ONSITE.
8. THE SITE SUPERINTENDENT WILL SELECT THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.
9. PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY OPERATIONS, IN ALL INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ON-SITE IN GOOD WORKING ORDER.
10. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.
11. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN THE PLAN AND POLLUTION PREVENTION MEASURES IDENTIFIED IN THE PLAN SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. SUCH MODIFICATIONS SHALL PROVIDE FOR TIMELY IMPLEMENTATION OF ANY CHANGES TO THE PLAN WITH SEVEN (7) CALENDAR DAYS FOLLOWING THE INSPECTION.
12. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF INSPECTION.
13. THE PERMITTEE SHALL COMPLETE AND SUBMIT WITHIN FIVE DAYS AN INCIDENCE OF NON-COMPLIANCE (ION) REPORT FOR ANY VIOLATION OF THE STORM WATER POLLUTION PREVENTION PLAN OBSERVED DURING AN INSPECTION CONDUCTED, INCLUDING THOSE NOT REQUIRED BY THE PLAN. SUBMISSION SHALL BE ON FORMS PROVIDED BY THE AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NON-COMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NON-COMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NON-COMPLIANCE.

FILE NAME = 01-2173-erosion control-notes.dgn	USER NAME = CEI>User	DESIGNED - RJD/BJB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DES PLAINES RIVER TRAIL IMPROVEMENTS EROSION CONTROL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 400.0000' / IN.	DRAWN - ARA	REVISED -			08-00202-00-SW	COOK	118	13	
	PLOT DATE = 1/29/2010	CHECKED - MJF	REVISED -			CONTRACT NO. 63168				
		DATE - 5/28/09	REVISED -			FED. ROAD DIST. NO.	ILLINOIS/FED. AID PROJECT# CMM-9003116			
						SCALE: NONE	SHEET NO. 1 OF 8 SHEETS	STA.	TO STA.	

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