

EROSION CONTROL NOTES

1. RESIDENT ENGINEER, IN CONJUNCTION WITH THE CONTRACTOR, SHALL DETERMINE THE BEST LOCATION FOR SEDIMENT BASINS. SEDIMENT BASINS SHALL INCORPORATE THE FOLLOWING FEATURES:
- A. SEDIMENT BASINS TO BE LOCATED DOWN GRADIENT OF ALL WORK THAT CREATES SURFACE DISTURBANCE.
 - B. SEDIMENT BASINS TO BE LOCATED BEHIND CONCRETE VEHICLE BARRIERS.
 - C. SEDIMENT BASINS TO BE DELINEATED BY ORANGE CONSTRUCTION DRUM WITH REFLECTIVE TAPE OR TYPE I BARRIERS.
 - D. MINIMUM DIMENSIONS ARE TO BE 1.5 FOOT DEEP AND A 400 SQUARE FOOT SURFACE AREA.
 - E. OVERFLOW LIP IS TO BE PROTECTED BY NON-ERODABLE MATERIAL. NON-ERODABLE MATERIAL INCLUDES RIPRAP, SAND BAGS, BAGS OF RED1-MIX CONCRETE, CONCRETE BLOCKS, ETC.
 - F. PRIOR TO BEGINNING FINAL RESTORATION THE SEDIMENT BASINS SHALL BE REMOVED.
 - G. REMOVAL OF THE SEDIMENT TRAP SHALL INCLUDE REMOVAL OF TRAPPED SEDIMENT, REMOVAL OF NON-ERODABLE EDGE, FILLING THE TRAP WITH LOOSELY COMPACTED EARTH MATERIAL TO WITHIN 6 INCHES OF EXISTING GRADE, PLACING 6-INCHES OF TOP SOIL, FINAL GRADING, SEEDING WITH SPECIFIED SEED MIX, AND PLACING EROSION CONTROL BLANKET OVER AREA OF FORMER SEDIMENT TRAP.
2. CONCRETE TRUCK WASH OUT AREAS ARE TO BE LOCATED BY CONTRACTOR. CONCRETE TRUCK WASH OUTS ARE TO INCORPORATE THE FOLLOWING FEATURES:
- A. THE CONCRETE TRUCK WASH OUT AREA SHALL BE CLEARLY MARKED WITH A SIGN.
 - B. THE CONCRETE TRUCK WASH OUT AREA SHALL BE LINED WITH PLASTIC.
 - C. THE CONCRETE TRUCK WASH OUT AREA SHALL BE SEPARATED FROM OVERLAND STORM WATER FLOWS.
 - D. THE CONCRETE TRUCK WASH OUT AREA SHALL BE READILY ACCESSIBLE TO CONCRETE TRUCKS.
 - E. THE CONCRETE TRUCK WASH OUT AREA SHALL BE LOCATED BEHIND VEHICLE BARRIERS OR A MINIMUM OF 30 FEET FROM THE EDGE OF PAVEMENT CARRYING LIVE TRAFFIC.
 - F. PRIOR TO FINAL RESTORATION THE CONCRETE TRUCK WASHOUT AREAS SHALL BE REMOVED.
 - G. REMOVAL OF THE CONCRETE TRUCK WASH OUTS SHALL INCLUDE REMOVAL OF SETTLED CEMENT AND AGGREGATE, REMOVAL OF PLASTIC LINING, FILLING THE WASH OUT WITH LOOSELY COMPACTED EARTH MATERIAL TO WITHIN 6 INCHES OF EXISTING GRADE, PLACING 6-INCHES OF TOP SOIL, FINAL GRADING, SEEDING WITH SPECIFIED SEED MIX, AND PLACING EROSION CONTROL BLANKET OVER AREA OF FORMER CEMENT TRUCK WASH OUT.
3. PERIMETER SEDIMENT BARRIERS SHALL BE INSTALLED PER LOCATIONS INDICATED ON PLAN. PRIOR TO INSTALLING THE PERIMETER SEDIMENT BARRIERS THE RESIDENT ENGINEER SHALL REVIEW THE PROPOSED LOCATIONS AND MAKE MODIFICATIONS AS REQUIRED BY PROJECT SPECIFIC CONDITIONS. PERIMETER SEDIMENT BARRIERS SHALL INCORPORATE THE FOLLOWING FEATURES:
- A. PERIMETER SEDIMENT BARRIERS SEPARATED FROM TRAFFIC BY VEHICLE BARRIERS OR GUARD RAILS MAY BE LOCATED WITHIN 5 FEET OF THE SEPARATION DEVICE.
 - B. PERIMETER SEDIMENT BARRIERS ADJACENT TO LIVE TRAFFIC SHALL BE SEPARATED FROM THE EDGE OF PAVEMENT CARRYING LIVE TRAFFIC BY A MINIMUM OF 15 FEET.
 - C. SILT FENCE MAY NOT BE USED AS A PERIMETER SEDIMENT BARRIER ADJACENT TO LIVE TRAFFIC UNLESS IT IS LOCATED BEHIND CONCRETE VEHICLE BARRIERS OR GUARD RAIL.
 - D. SILT FENCE SHALL NOT BE USED AS PERIMETER SEDIMENT BARRIER ADJACENT TO MILL CREEK.
 - E. PERIMETER SEDIMENT BARRIERS THAT ARE THE FINAL METHOD OF TRAPPING SEDIMENT FROM THE PROJECT PRIOR TO DISCHARGE OF STORM WATER ON UNDISTURBED AREAS SHALL NOT BE REMOVED UNTIL FINAL TURF IS ESTABLISHED IN GOOD CONDITION.
 - F. REMOVAL OF THE PERIMETER SEDIMENT BARRIERS INCLUDES REMOVAL OF TRAPPED SEDIMENT, REMOVAL OF THE PERIMETER SEDIMENT BARRIER, REMOVAL OF ANY SUPPORTS FOR THE SEDIMENT BARRIER, AND REMOVAL OF ANY DEBRIS OR REDUNDANT INSTALLATIONS OF THE SEDIMENT BARRIERS. ALL AREAS IN WHICH VEGETATION GROWTH MAY HAVE BEEN HINDERED BY THE SEDIMENT BARRIER SHALL HAVE A NEW SEED BED PREPARED. THESE AREAS SHALL BE SEEDED AND MULCHED IN THE SAME MANNER AS ADJACENT AREAS.
4. THE PERIMETER SEDIMENT BARRIER INSTALLED AT THIS LOCATION SHALL MEET THE REQUIREMENTS OF THE PERIMETER SEDIMENT BARRIERS SPECIFIED IN ITEM 3. IN ADDITION, THE PERIMETER SEDIMENT BARRIER INSTALLED AT THIS LOCATION SHALL INCORPORATE THE FOLLOWING FEATURES:
- A. THE SEDIMENT BARRIER SHALL BE CAPABLE OF WITHSTANDING CONCENTRATED FLOWS WITHOUT FAILURE. SILT FENCE IS NOT ACCEPTABLE AT THIS LOCATION.
 - B. THE MINIMUM HEIGHT OF PERIMETER SEDIMENT BARRIER AT THIS LOCATION SHALL BE 12 INCHES. THE MAXIMUM HEIGHT OF PERIMETER SEDIMENT BARRIER AT THIS LOCATION SHALL BE 18 INCHES.
 - C. PERIMETER SEDIMENT BARRIERS THAT ARE THE FINAL METHOD OF TRAPPING SEDIMENT FROM THE PROJECT PRIOR TO DISCHARGE OF STORM WATER ON UNDISTURBED AREAS SHALL NOT BE REMOVED UNTIL FINAL TURF IS ESTABLISHED IN GOOD CONDITION UP GRADIENT OF THE BARRIER.
 - D. REMOVAL OF THESE PERIMETER SEDIMENT BARRIERS SHALL CONFORM TO REMOVAL SPECIFICATIONS INDICATED IN SECTION 3 SEDIMENT BARRIER.

5. INLET PIPE PROTECTION FOR CULVERT PIPES SHALL BE PLACED ONLY AT THE INLET END. INLET PIPE PROTECTION FOR CULVERT PIPES SHALL INCLUDE THE FOLLOWING FEATURES:
- A. THE INLET PIPE PROTECTION SHALL BE CAPABLE OF WITHSTANDING CONCENTRATED FLOWS WITHOUT FAILURE.
 - B. THE HEIGHT OF THE INSTALLED INLET PIPE PROTECTION SHALL BE GREATER THAN ONE HALF OF THE HEIGHT OF THE CULVERT PIPE. THE HEIGHT OF THE INLET PIPE PROTECTION SHALL BE LESS THAN 75 PERCENT OF THE HEIGHT OF THE CULVERT PIPE.
 - C. THE INLET PIPE PROTECTION SHALL BE INSTALLED FROM ABUTTING ONE SIDE OF THE CULVERT OR END SECTION TO THE OTHER SIDE. A MINIMUM SPACE OF THREE FEET SHALL BE INCORPORATED INTO THE LAYOUT BETWEEN THE FAR EDGE OF THE CULVERT OR END SECTION AND THE INNER SIDE OF THE ARC CREATED BY THE INSTALLATION OF THE INLET PIPE PROTECTION.
 - D. THE INLET PIPE PROTECTION FOR CULVERT PIPES MAY BE REMOVED AS SOON AS TURF IS ESTABLISHED IN AREAS UP GRADIENT OF THE SEDIMENT BARRIER.
6. LOW FLOW DAMS SHALL BE INSTALLED IN GENERAL VICINITY OF AREA INDICATED ON PLANS. LOCATION SHALL BE COORDINATED WITH CONTRACTOR AND RESIDENT ENGINEER. LOW FLOW DAMS SHALL INCORPORATE THE FOLLOWING FEATURES:
- A. LOW FLOW DAMS SHALL BE CENTERED ON EXISTING DRAINAGE SWALES OR DITCHES.
 - B. IF CONSTRUCTION TRAFFIC WILL TRAVEL OVER LOW FLOW DAMS, THEN A 3-INCH LAYER OF CA 7 SHALL BE PLACED ON TOP OF LOW FLOW DAMS.
 - C. PRIOR TO BEGINNING FINAL RESTORATION THE LOW FLOW DAM SHALL BE REMOVED.
 - D. REMOVAL OF THE LOW FLOW DAM SHALL INCLUDE REMOVAL OF TRAPPED SEDIMENT, RE-GRADING OF THE AREA OF THE LOW FLOW DRAINAGE CONTAINMENT, FINAL GRADING, SEEDING WITH SPECIFIED SEED MIX, AND PLACING EROSION CONTROL BLANKET OVER AREA OF FORMER LOW FLOW DRAINAGE CONTAINMENT.

RESTORATION TREATMENT NOTES

RESTORATION TREATMENT 1: SEED AND EROSION CONTROL BLANKET

PREVIOUSLY EXCAVATED TOPSOIL SHALL BE REPLACED IN DISTURBED AREAS IN ACCORDANCE WITH THE APPROPRIATE PORTIONS OF SECTION 211 OF THE STANDARD SPECIFICATIONS. TOPSOIL SHALL BE FINAL GRADED AND TRIMMED IN ACCORDANCE WITH SECTION 212 OF THE STANDARD SPECIFICATIONS. THE SPECIFIED SEED MIX SHALL BE IDOT CLASS 2A, SALT TOLERANT SLOPE MIXTURE, FOR THE EXTERIOR AREAS LOCATED BETWEEN THE EDGE OF PAVEMENT OR SHOULDER AND THE TOE OF SLOPE FOR THE BACK SLOPE. THE SPECIFIED SEED MIX SHALL BE IDOT CLASS 2A, SALT TOLERANT SLOPE MIXTURE, FOR THE MEDIAN AREAS. THE SPECIFIED SEED MIX SHALL BE IDOT CLASS 4, NATIVE GRASS, FOR THE EXTERIOR AREAS FROM THE TOE OF SLOPE FOR THE BACK SLOPE TO THE RIGHT-OF-WAY LINE OR THE LIMITS OF DISTURBANCE.

RESTORATION TREATMENT 2: SEED

PREVIOUSLY EXCAVATED TOPSOIL SHALL BE REPLACED IN DISTURBED AREAS IN ACCORDANCE WITH THE APPROPRIATE PORTIONS OF SECTION 211 OF THE STANDARD SPECIFICATIONS. TOPSOIL SHALL BE FINAL GRADED AND TRIMMED IN ACCORDANCE WITH SECTION 212 OF THE STANDARD SPECIFICATIONS. THE SPECIFIED SEED MIX SHALL BE IDOT CLASS 7 TEMPORARY TURF COVER MIXTURE FOR THE AREAS FROM THE TEN FEET SOUTH OF THE SOUTH EDGE OF THE EAST-BOUND BRIDGE TO TEN FEET NORTH OF THE NORTH EDGE OF THE WEST BOUND BRIDGE AT THE MILL CREEK CROSSING. NO MULCH SHALL BE APPLIED IN THIS AREA AFTER SEEDING.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 92 AND I-280
EROSION CONTROL PLAN
EROSION CONTROL NOTES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
280	81-11B-14B4B-14B-24B4B-14B	ROCK ISLAND	503	99
				CONTRACT NO. 64815
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT 7				

SCALE: SHEET NO. OF SHEETS STA. TO STA.

1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10

FILE NAME =	USER NAME = radar0221
0284812-entree.dgn	
MODEL NAME =	
1200 ECP 01	

DESIGNED - CRC	REVISOR -
DRAWN - JDM	REVISOR -
CHECKED - CRC	REVISOR -
DATE - 07/23/10	REVISOR -

PLOT SCALE = 50.0000' / 1" =	
PLOT DATE = 07/23/2010	