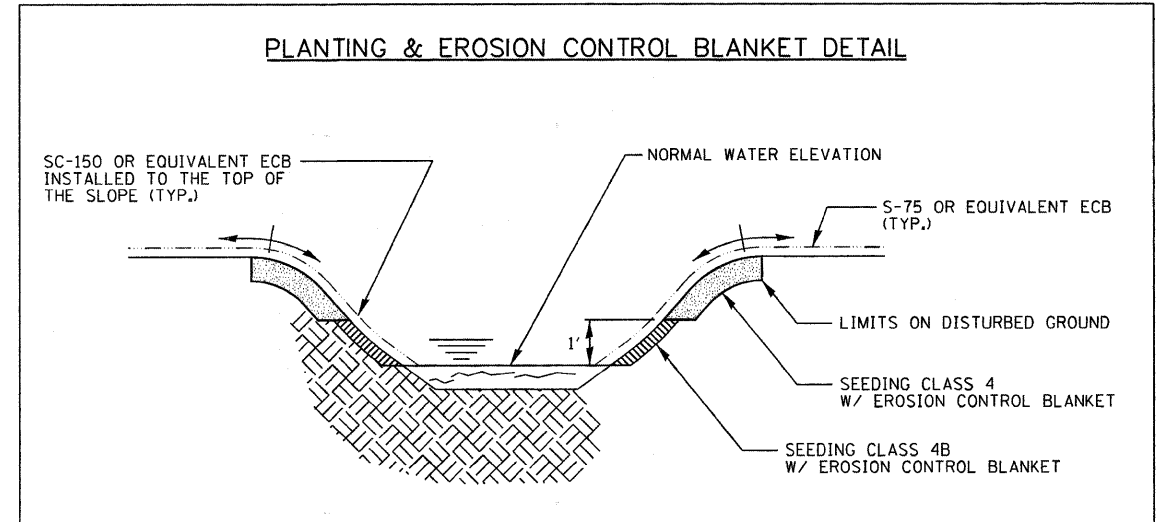


SCALE: 1" = 20'



**BOX CULVERT STAGE CONSTRUCTION NOTES**

1. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION.
2. TEMPORARY STABILIZATION IS REQUIRED WITHIN 7 DAYS FOR AREAS WHICH WILL NOT BE DISTURBED FOR 14 DAYS OR MORE. AREAS THAT ARE FINAL GRADED SHOULD BE STABILIZED IMMEDIATELY, AND NO LATER THAN 7 DAYS AFTER COMPLETION. ALL WORK AND MATERIAL WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY EROSION CONTROL SEEDING.
3. ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND SWEEPED WHEN NECESSARY.
4. WORK SHOULD BE TIMED TO TAKE PLACE DURING LOW OR NO-FLOW CONDITIONS.
5. CONCENTRATED FLOW MUST BE ISOLATED FROM THE WORK AREA USING A NON-ERODIBLE COFFERDAM. EXACT MEANS AND METHODS SHOULD BE DISCUSSED DURING A SCHEDULED PRE-CONSTRUCTION MEETING. ALL WORK AND MATERIAL WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR COFFERDAMS (SPECIAL).
6. IF BYPASS PUMPING IS NECESSARY, THE INLET OF THE HOSE WILL BE PLACED IN A SUMP PIT AND THE OUTLET PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE STREAM FLOW. ALL WORK AND MATERIAL WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR DEWATERING.
7. IF DEWATERING IS NECESSARY, ALL WATER MUST BE FILTERED USING A FILTER BAG OR ALTERNATIVE MEASURE. WATER MUST HAVE SEDIMENT REMOVED PRIOR TO RETURNING TO THE STREAM. ALL WORK AND MATERIAL WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR DEWATERING.
8. DISTURBED AREAS AND SIDE SLOPES MUST BE RESEEDED AND STABILIZED WITH THE LISTED EROSION CONTROL BLANKET PRIOR TO RELEASING FLOWS. THE BOTTOM OF THE POPLAR CREEK TRIBUTARY MUST BE STABLE ENOUGH TO ACCEPT FLOWS.
9. ANY CHANGES TO THE BOX CULVERT STAGE CONSTRUCTION SHALL BE ACCEPTED BY THE RESIDENT ENGINEER AND THE NORTH COOK COUNTY SOIL AND WATER CONSERVATION DISTRICT.

**BOX CULVERT STAGE CONSTRUCTION**

**STAGE 1**

1. INSTALL COFFERDAMS AROUND THE SOUTH TWO EXISTING CULVERTS AND CONFINE THE FLOW TO THE NORTH CORRUGATED METAL CULVERT. ALL WORK AND MATERIAL WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR COFFERDAMS (SPECIAL).

2. CONSTRUCT THE BYPASS CULVERT AND STABILIZE ALL DISTURBED AREAS.

**STAGE 2**

1. INSTALL COFFERDAMS TO CONFINE THE FLOW TO THE BYPASS CULVERT. ALL WORK AND MATERIAL WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR COFFERDAMS (SPECIAL).

2. CONSTRUCT THE DOUBLE CONCRETE BOX CULVERT TO FINAL FINISH GRADE AND STABILIZE ALL DISTURBED AREAS PER THE PLANTING PLAN.

3. REMOVE COFFERDAMS AND BYPASS FLOW CULVERT. ALLOW FLOWS TO RESUME.

**STAGE 3**

1. CONSTRUCT REMAINING PORTIONS OF CONCRETE WINGWALLS AND OTHER PERTINENT ITEMS.

**BYPASS CULVERT**

1. MINIMUM BYPASS FLOW OF 115 CFS (2 YEAR STORM).
2. MINIMUM CULVERT CROSS SECTION AREA OF 20 SQ. FT..
3. EXISTING CORRUGATED STEEL ARCH PIPE MAY BE REUSED FOR BYPASS CULVERT.

**PLANTING PLAN MATERIALS**

1. ALL SEED SHALL BE HEALTHY, VIGOROUS AND TRUE TO SPECIES AND VARIETY. ALL MATERIALS SHALL BE FREE OF PESTS AND DISEASE. THE OWNER RESERVES THE RIGHT TO REJECT ANY UNSUITABLE OR OBJECTIONAL PLANT MATERIAL.

2. SEED SHALL BE OBTAINED THAT ORIGINATES AS CLOSE AS POSSIBLE TO THE PROJECT SITE. WRITTEN APPROVAL SHALL BE REVIEWED FROM THE OWNER FOR SUBSTITUTION OF PLANT MATERIAL PURCHASED FROM OUTSIDE 150 MILES FROM THE SITE.

3. EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN SC-150 EQUIVALENT INSTALLED ALONG THE STREAMBANKS AND NORTH AMERICAN GREEN S-75 EQUIVALENT FOR DISTURBED AREAS AT THE TOP OF THE SLOPE.

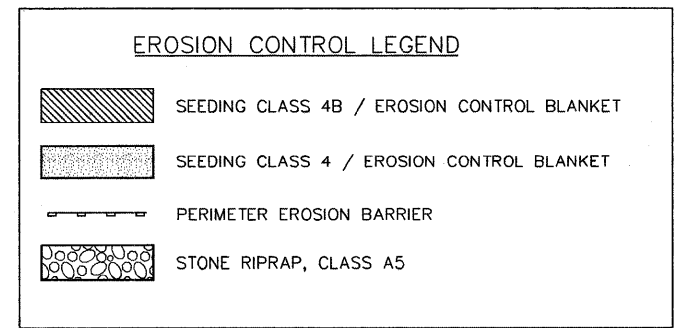
4. ALL DISTURBED AREAS SHALL BE STABILIZED WITH EROSION CONTROL BLANKET.

**INSTALLATION**

1. ALL DISTURBED AREAS WILL BE SEEDED WITHIN 7 DAYS OF WORK COMPLETION.

2. SEED SHOULD BE HAND BROADCAST AND CROSS RAKED INTO THE SOIL.

3. EROSION CONTROL BLANKET SHALL BE INSTALLED IMMEDIATELY AFTER SEED INSTALLATION.



FILE NAME = 110085-sh1-erosion.dgn	USER NAME =	DESIGNED - KK	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SOIL EROSION AND SEDIMENT CONTROL PLAN</b>			F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 380 SHEPARD DRIVE ELGIN, ILLINOIS 60123	PLOT SCALE =	DRAWN - AC	REVISED -					2556	08-00094-01-BR	COOK	30	10
IL/IN/IS PROFESSIONAL DESIGN FIRM L5/ P5 / SE CORP. 184-000956	PLOT DATE = 9/9/2011	CHECKED - RGN	REVISED -		VILLAGE OF SCHAUMBURG			CONTRACT NO. 63636				
	DATE = 6-13-11	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							