

DRAINAGE STRUCTURE IMPROVEMENT DETAIL

LOCATION #7 STA. 877 + 60.8



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ITEM # AND DESCRIPTION	UNIT	QUANTITY
21400100 Grading and Shaping Ditches	FOOT	25
25000210 Seeding, Class 2A	ACRE	0.004
25000400 Nitrogen Fert. Nutr.	POUND	0.36
25000500 Phosphorous Fert. Nutr.	POUND	0.36
25000600 Potassium Fert. Nutr.	POUND	0.36
25100115 Mulch Method 2	ACRE	0.004
28000250 Temp. Eros. Contr. Seeding	POUND	0.4
28000305 Ditch Check Temporary	FOOT	10
28100107 Stone Rip Rap Class A4	SQ YD	31.0
28200200 Filter Fabric	SQ YD	31.0
X2010350 Tree Removal Acres, Special	ACRE	0.007

NOTE:

THE EXISTING STRUCTURE AT STATION 877+60.8 CONSISTS OF A 5'x4' R.C. BOX CULVERT WITH AN OFFSET MEDIAN INLET. THE STRUCTURE IS IN GOOD CONDITION BUT THE DOWNSTREAM CHANNEL HAS EXPERIENCED SCOUR THAT IS APPROXIMATELY 15" DEEP AT THE DOWNSTREAM TOEWALL. THERE ARE ALSO TREE GROWING AT THE DOWNSTREAM END OF THE STRUCTURE THAT ARE RESTRICTING DRAINAGE AWAY FROM THE STRUCTURE.

THE PROPOSED SCOPE OF WORK IS TO REMOVE THE TREES AT THE DOWNSTREAM END AND REGRADE THE CHANNEL TO ACCEPT A TREATMENT OF RIPRAP WITHIN R.O.W.

☉ F.A.I. 74

| 875+00

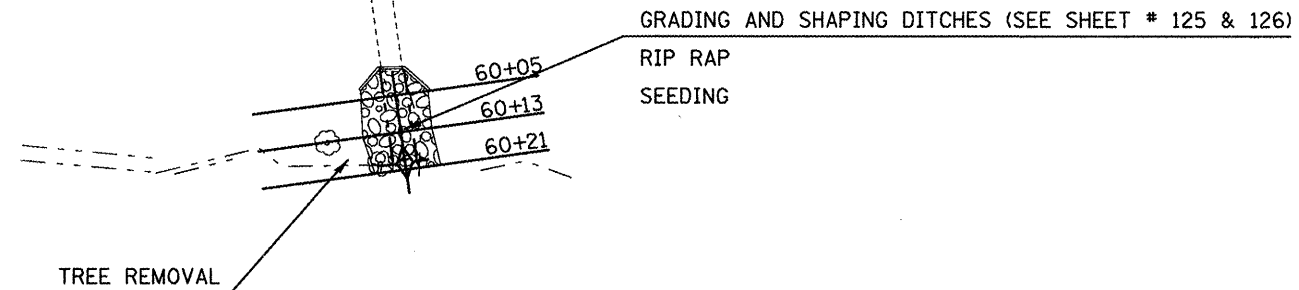
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FILE NAME =	USER NAME = hogenbj	DESIGNED - BJM	REVISED -
c:\pw_work\pwsdot\hogenbj\d0158340\057050-sh-t-sm_struct_det.dgn	DRAWN -	CHECKED -	REVISED -
PLOT SCALE = 40,0000' / IN.	DATE - 09/23/10	REVISED -	REVISED -
PLOT DATE = 10/21/2010			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(57-20(1),21,22)RS-3	McLean	150	57
CONTRACT NO. 70550				
ILLINOIS FED. AID PROJECT				