

DRAINAGE STRUCTURE IMPROVEMENT DETAIL

LOCATION #8 STA. 891 + 00

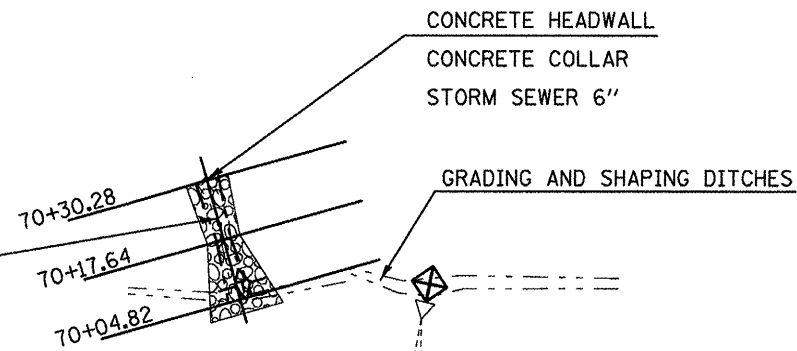
LOC. #8 STA.891+00

NOTE:

THE EXISTING STRUCTURE AT STATION 891+00 CONSISTS OF A 36" R.C.C.P. WITH AN OFFSET MEDIAN INLET. THE STRUCTURE IS IN GOOD CONDITION BUT A PAVED DITCH LOCATED ON THE BACKSLOPE APPROXIMATELY 50 FT. UPSTREAM AND WEST OF THE STRUCTURE HAS FAILED. SEVERE UNDERMINING AND COLLAPSE OF THE PAVED DITCH HAS RENDERED IT A SAFETY HAZARD TO MAINTENANCE AT THIS TIME. THERE IS A 6" C.M.P. AT THE TOP OF THE BACKSLOPE THAT OUTLETS ONTO THE PAVED DITCH.

THE PROPOSED SCOPE OF WORK IS TO REMOVE THE PAVED DITCH AND REGRADE THE BACKSLOPE TO ACCOMMODATE A RIPRAP DITCH SECTION. THE 6" C.M.P. SHALL BE EXTENDED WITH A 6" STORM SEWER, CLASS "B" AND A CONCRETE HEADWALL SHALL BE PROVIDED AT THE OUTLET OF THE PROPOSED PIPE.

PAVED DITCH REMOVAL
 GRADING AND SHAPING DITCHES (SEE SHEET # 127)
 SEEDING



ITEM # AND DESCRIPTION	UNIT	QUANTITY
21400100 Grading and Shaping Ditches	FOOT	65
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
28000500 Inlet and Pipe Protection	EACH	1
28100107 Stone Rip Rap Class A4	SQ YD	30.6
28200200 Filter Fabric	SQ YD	30.6
44004000 Paved Ditch Removal	FOOT	25
54248510 Concrete Collar	CU YD	0.14
550B0020 Storm Sewer Class B Ty 16"	FOOT	10
60100060 Concrete Headwalls for Pipe Drains	EACH	1

888 C F.A.I. 74 889 890+00 891 892 893 894

FILE NAME =	USER NAME = hoganbj	DESIGNED - BJM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE STRUCTURE IMPROVEMENT DETAIL LOCATION #8 STA. 891 + 00	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
DRAWN -	CHECKED -	DATE - 09/23/10	REVISED -			74	(57-20(1),21,22)RS-3	McLean	150	58	
PLOT SCALE = 48,0000' / IN.	PLOT DATE = 10/21/2010	SCALE: 1" = 20'	SHEET NO. OF SHEETS			STA.	TO STA.	CONTRACT NO. 70550 ILLINOIS FED. AID PROJECT			