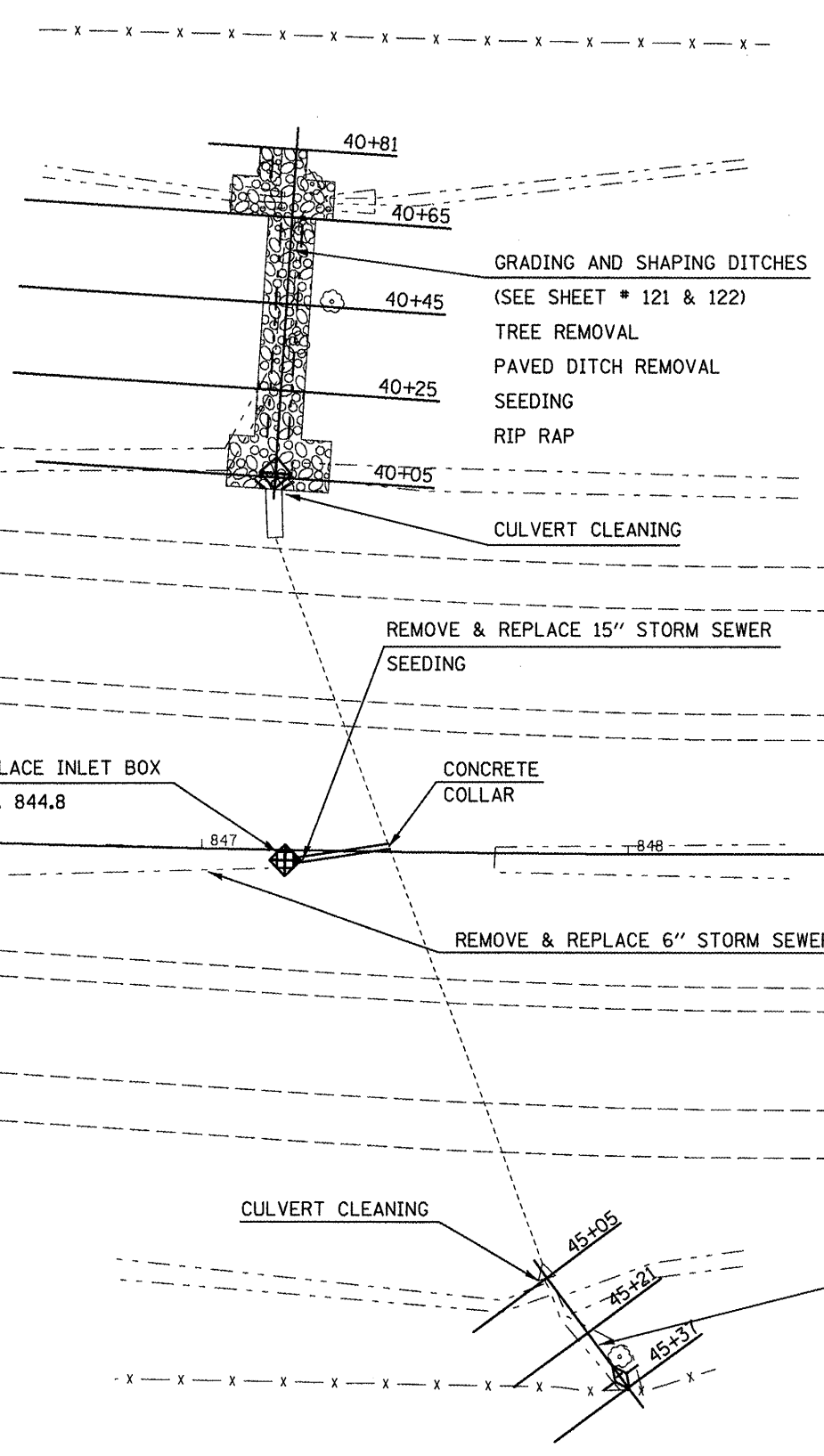


DRAINAGE STRUCTURE IMPROVEMENT DETAIL LOCATION #5 STA. 847+44

LOC. #5 STA. 847+44

ITEM # AND DESCRIPTION	UNIT	QUANTITY
21400100 Grading and Shaping Ditches	FOOT	123
25000210 Seeding, Class 2A	ACRE	0.065
25000400 Nitrogen Fert. Nutr.	POUND	5.85
25000500 Phosphorous Fert. Nutr.	POUND	5.85
25000600 Potassium Fert. Nutr.	POUND	5.85
25100115 Mulch Method 2	ACRE	0.065
28000250 Temp. Eros. Contr. Seeding	POUND	6.5
28000305 Ditch Check Temporary	FOOT	10
28000500 Inlet and Pipe Protection	EACH	2
28100107 Stone Rip Rap Class A4	SQ YD	109.3
28200200 Filter Fabric	SQ YD	109.3
44004000 Paved Ditch Removal	FOOT	64
54244405 Flush Inlet Box For Median Stand. 542546	EACH	1
54248510 Concrete Collar	CU YD	0.61
550B0020 Storm Sewer Class B Ty 16"	FOOT	75
550B0070 Storm Sewer Class B Ty 115"	FOOT	25
55100200 Storm Sewer Remove 6"	FOOT	75
55100700 Storm Sewer Remove 15"	FOOT	25
X2010350 Tree Removal Acres, Special	ACRE	0.048
X6050700 Remove Inlet Box	EACH	1
Z0014800 Culvert To Be Cleaned	FOOT	12



F.A.I. 74
845+00
846
847
848
849
850+00

NOTE:
 THE EXISTING STRUCTURE AT STATION 847+44 CONSISTS OF A 24" R.C.C.P. WITH AN OFFSET MEDIAN INLET. THE STRUCTURE IS IN FAIR CONDITION WITH THE FOLLOWING DEFICIENCIES. THE 15" C.M.P. CONNECTING THE INLET BOX TO THE STRUCTURE HAS FAILED AND IS CAUSING A SINKHOLE IN THE MEDIAN. ALSO, THERE IS A 6" C.M.P. ENTERING THE INLET BOX THAT IS HEAVILY RUSTED. THE UPSTREAM AND DOWNSTREAM ENDS OF THE STRUCTURE HAVE EXPERIENCED HEAVY SILTATION. ALSO, A PAVED DITCH THAT IS LOCATED ON THE BACKSLOPE UPSTREAM OF THE STRUCTURE HAS FAILED AND SEVERE UNDERMINING HAS RENDERED IT A SAFETY HAZARD TO MAINTENANCE AT THIS TIME.

THE RECOMMENDED SCOPE OF WORK IS TO REPLACE THE MEDIAN INLET BOX WITH A NEW FLUSH INLET BOX. THE 15" C.M.P. SHALL BE REPLACED WITH A 15" STORM SEWER, CLASS "B" AND THE 6" C.M.P. SHALL BE REPLACED AS WELL. THE UPSTREAM AND DOWNSTREAM CHANNELS SHALL BE GRADED AND SHAPED TO PROVIDED POSITIVE DRAINAGE TO AND AWAY FROM THE STRUCTURE, AND THE PAVED DITCH SHALL BE REMOVED AND REPLACED WITH A RIPRAP DITCH. TREES SHALL BE REMOVED AT EACH END OF THE STRUCTURE. FINALLY, THE CULVERT SHALL BE CLEANED OUT TO REMOVE SILTATION FROM BOTH ENDS.

FILE NAME =	USER NAME = hogenbj	DESIGNED - BJM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE STRUCTURE IMPROVEMENT DETAIL LOCATION #5 STA. 847+44	F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca\pw_work\pwsdot\hogenbj\0815834\0570	58-sht-am struct det.dgn	DRAWN -	REVISED -			74	(57-20(1),21,22)RS-3	McLean	150	55	
PLOT SCALE = 1/8" = 20' / IN.		CHECKED -	REVISED -			CONTRACT NO. 70550					
PLOT DATE = 10/21/2010		DATE = 09/23/10	REVISED -			ILLINOIS FED. AID PROJECT					