

DRAINAGE STRUCTURE IMPROVEMENT DETAIL

LOCATION #3 STA. 825 + 00

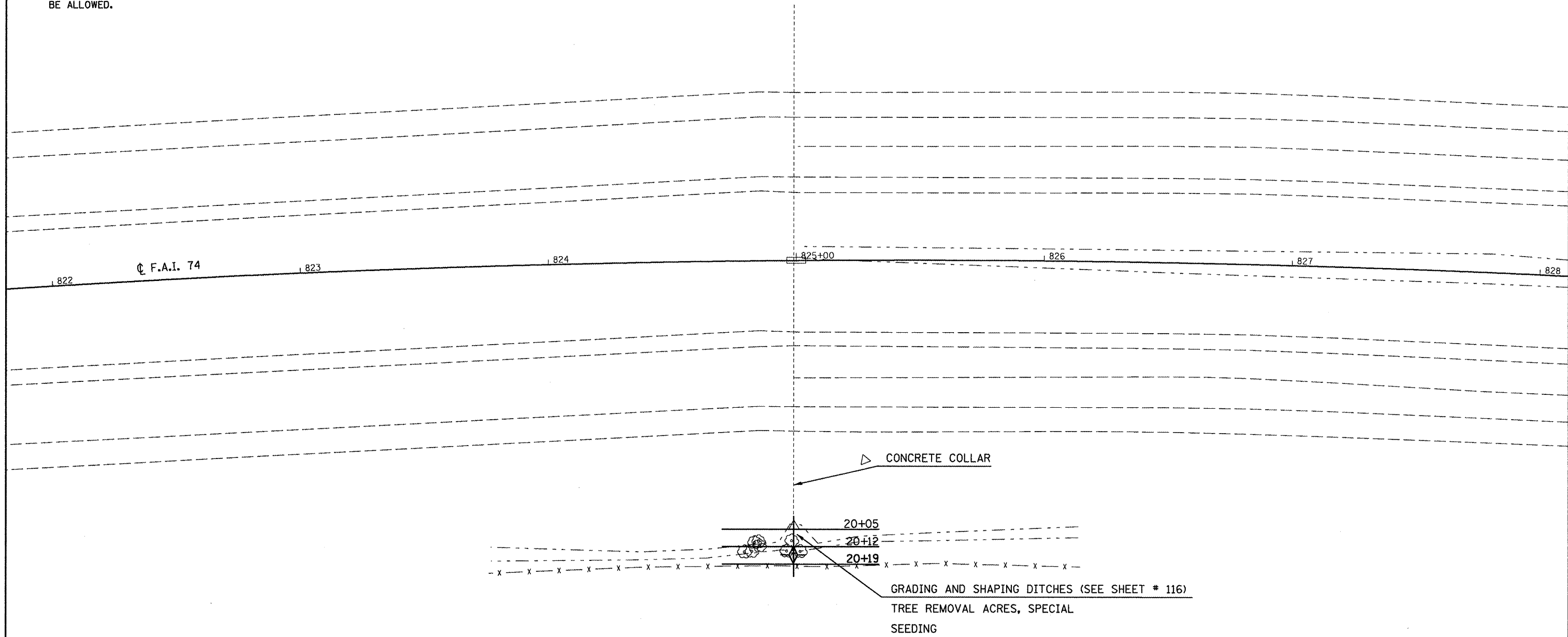


NOTE:

THE EXISTING STRUCTURE AT STATION 825+00 CONSISTS OF A 24" R.C.C.P. WITH A MEDIAN INLET. THE STRUCTURE IS IN FAIR CONDITION WITH THE FOLLOWING DEFICIENCIES. WHILE THE JOINT BETWEEN THE DOWNSTREAM END SECTION AND THE FIRST SECTION OF PIPE IS INTACT, THE NEXT JOINT UPSTREAM IS SEPARATED AND IS CAUSING A SINKHOLE IN THE FORESLOPE. ALSO, THE DOWNSTREAM END SECTION IS SILTED-IN APPROXIMATELY 18". THE DOWNSTREAM OUTFALL IS RESTRICTED BY SILTATION, TREES AND BRUSH.

THE PROPOSED SCOPE OF WORK IS TO EXCAVATE TO AND SEAL THE SEPARATED JOINT WITH A CONCRETE COLLAR. THE SILTATION SHALL BE CLEANED OUT OF THE DOWNSTREAM END OF THE STRUCTURE. THE DOWNSTREAM CHANNEL SHALL BE CLEANED AND GRADED AWAY FROM THE STRUCTURE TO PROVIDE POSITIVE DRAINAGE. THE TREES AND BRUSH SHOULD BE REMOVED AND PROPERLY DISPOSED OF. THE COST OF EXCAVATION REQUIRED TO PLACE THE CONCRETE COLLAR IS INCLUDED IN THE VARIOUS PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

LOC. #3 STA. 825+00		
ITEM# AND DESCRIPTION	UNIT	QUANTITY
21400100 Grading and Shaping Ditches	FOOT	14
25000210 Seeding, Class 2A	ACRE	0.014
25000400 Nitrogen Fert. Nutr.	POUND	1.26
25000500 Phosphorous Fert. Nutr.	POUND	1.26
25000600 Potassium Fert. Nutr.	POUND	1.26
25100115 Mulch Method 2	ACRE	0.014
28000250 Temp. Eros. Contr. Seeding	POUND	1.4
28000305 Ditch Check Temporary	FOOT	10
54248510 Concrete Collar	CU YD	0.45
X2010350 Tree Removal Acres, Special	ACRE	0.007
Z0014800 Culvert To Be Cleaned	FOOT	6



FILE NAME =	USER NAME = hogenbj	DESIGNED - BJM	REVISED -
ca:\p\work\p\work\hogenbj\08158340\0572	50-sh-t-am struct det.dgn	DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/21/2010	DATE - 09/23/10	REVISED -

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	(57-2011), 21, 22 IRS-3	McLean	150	53
CONTRACT NO. 70550			ILLINOIS FED. AID PROJECT	