

DRAINAGE STRUCTURE IMPROVEMENT DETAIL

LOCATION #17 STA. 990 + 56.5

S.N. 057-8563

LOC. #17 STA. 990+56.5

ITEM # AND DESCRIPTION	UNIT	QUANTITY
25000210 Seeding, Class 2A	ACRE	0.009
25000400 Nitrogen Fert. Nutr.	POUND	0.81
25000500 Phosphorous Fert. Nutr.	POUND	0.81
25000600 Potassium Fert. Nutr.	POUND	0.81
25100115 Mulch Method 2	ACRE	0.009
28000250 Temp. Eros. Contr. Seeding	POUND	0.9
28000305 Ditch Check Temporary	FOOT	15
28000500 Inlet and Pipe Protection	EACH	1
54002010 Expansion Bolts 1/2"	EACH	4
54248510 Concrete Collar	CU YD	1.10
550B0340 Storm Sewer Class B Ty 2 12"	FOOT	16
550B0360 Storm Sewer Class B Ty 2 15"	FOOT	14
55100500 Storm Sewer Remove 12"	FOOT	16
55100700 Storm Sewer Remove 15"	FOOT	14
X2010350 Tree Removal Acres, Special	ACRE	0.011



NOTE:

THE EXISTING STRUCTURE AT STATION 990+56.5 IS A 6'x4' R.C. BOX CULVERT THAT IS IN GOOD CONDITION. THERE IS AN OFFSET INLET IN THE SOUTH DITCH OF I-74 THAT IS CONNECTED TO THE BOX CULVERT WITH A 15" C.M.P. THE C.M.P. HAS FAILED CAUSING A SINKHOLE IN THE DITCH. THERE IS ALSO A 12" TILE BELOW THE 15" C.M.P. THAT HAS FAILED AND IS CONTRIBUTING TO THE SINKHOLE. THERE ARE ALSO SOME TREES GROWING AT THE DOWNSTREAM END OF THE BOX CULVERT THAT ARE RESTRICTING FLOW AWAY FROM THE STRUCTURE.

THE PROPOSED SCOPE OF WORK IS TO REPLACE THE 15" C.M.P. WITH A 15" STORM SEWER, CLASS "B" AND TO REPLACE A SECTION OF THE 12" TILE WITH A 12" STORM SEWER, CLASS "B" THE PROPOSED PIPES SHALL BE CONNECTED WITH COLLARS. THE COST OF EXCAVATION REQUIRED TO PERFORM THIS WORK SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. ALSO, THE TREES AT THE DOWNSTREAM END OF THE STRUCTURE SHALL BE REMOVED AND PROPERLY DISPOSED OF.

☉ F.A.I. 74

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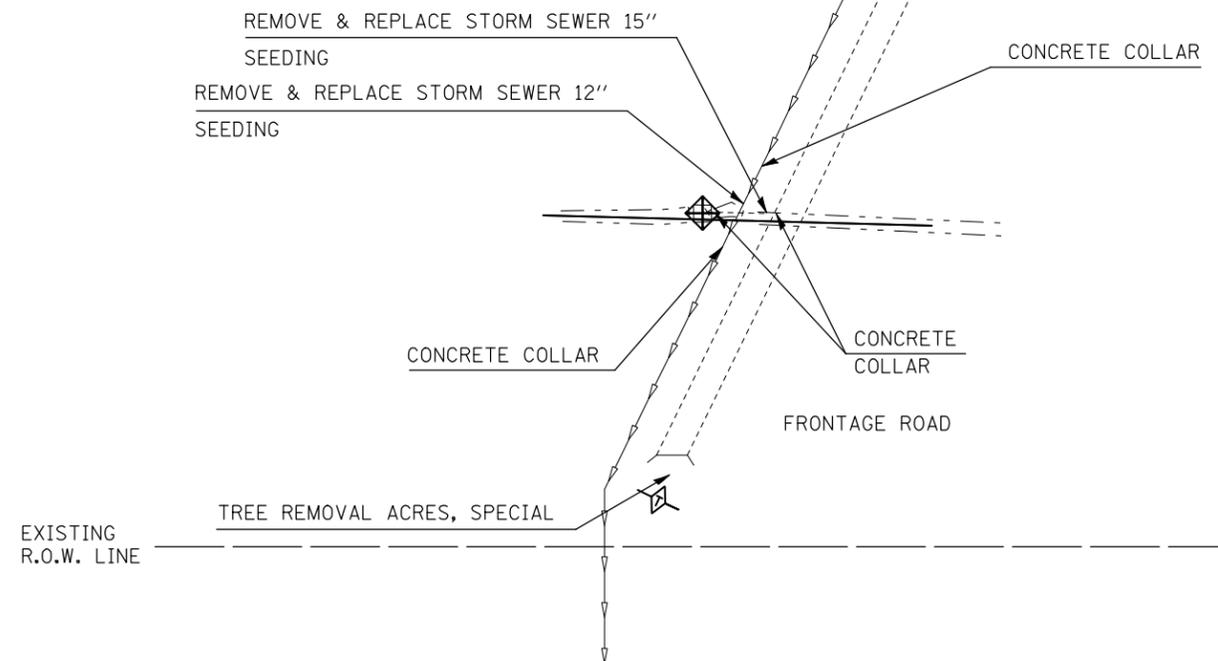
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FILE NAME =	USER NAME = hoganbj	DESIGNED - BJM	REVISED -
ct:\pw\work\p\dot\hoganbj\d0158340\0570550-shr-sm_struct_det.dgn		DRAWN -	REVISED -
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 10/21/2010		DATE - 09/23/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRAINAGE STRUCTURE IMPROVEMENT DETAIL			
LOCATION #17 STA. 990 + 56.5			
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	67
CONTRACT NO.			70550	
ILLINOIS FED. AID PROJECT				