

DRAINAGE STRUCTURE IMPROVEMENT DETAIL

LOCATION #11 STA. 908 + 76



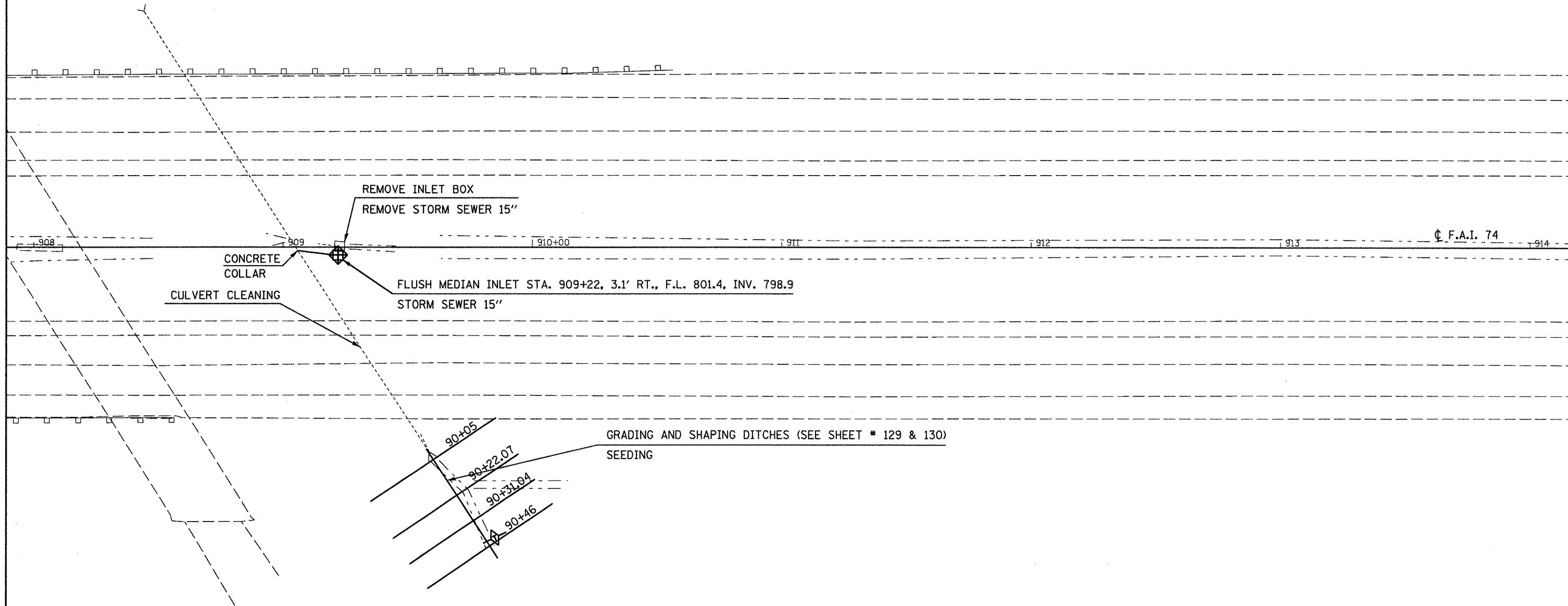
NOTE:

THE EXISTING STRUCTURE AT STATION 908+76 CONSISTS OF A 24" R.C.C.P. WITH AN OFFSET MEDIAN INLET. THE STRUCTURE IS IN GOOD CONDITION BUT THE 15" C.M.P. CONNECTING THE MEDIAN INLET TO THE STRUCTURE HAS FAILED CAUSING A SINKHOLE IN THE MEDIAN. THE DOWNSTREAM CHANNEL IS RESTRICTED WITH SILTATION AND HAS CAUSED SILTATION IN THE DOWNSTREAM END OF THE STRUCTURE.

THE PROPOSED SCOPE OF WORK IS TO REPLACE THE MEDIAN INLET AND LATERAL TO ACCOMMODATE THE EXCAVATION REQUIRED TO CONSTRUCT A PROPOSED IMPACT ATTENUATOR BASE AT THE ADJACENT OVERHEAD STRUCTURE. ALSO, THE DOWNSTREAM END OF THE STRUCTURE SHOULD BE CLEANED OUT AND THE DOWNSTREAM CHANNEL SHOULD BE GRADED AND SHAPED AWAY FROM THE STRUCTURE TO PROVIDE POSITIVE DRAINAGE.

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ITEM# AND DESCRIPTION	UNIT	QUANTITY
21400100 Grading and Shaping Ditches	FOOT	42
25000210 Seeding, Class 2A	ACRE	0.023
25000400 Nitrogen Fert. Nutr.	POUND	2.07
25000500 Phosphorous Fert. Nutr.	POUND	2.07
25000600 Potassium Fert. Nutr.	POUND	2.07
25100115 Mulch Method 2	ACRE	0.023
28000250 Temp. Eros. Contr. Seeding	POUND	2.3
28000305 Ditch Check Temporary	FOOT	10
28000500 Inlet and Pipe Protection	EACH	1
54244405 Flush Inlet Box For Median Std. 542546	EACH	1
54248510 Concrete Collar	CU YD	0.45
550B0070 Storm Sewer Class B Ty 1 1/2"	FOOT	14
55100700 Storm Sewer Remove 15"	FOOT	13
X6050700 Remove Inlet Box	EACH	1
Z0014800 Culvert To Be Cleaned	FOOT	100



FILE NAME =	USER NAME = hogenbj	DESIGNED - BJM	REVISED -
c:\pwwork\pwwork\hogenbj\d0158340\057850-shl-sm-struct-det.dgn		DRAWN -	REVISED -
PLOT SCALE = 48.0000' / 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	(57-20(1),21,22)RS-3	McLean	150	61
CONTRACT NO. 70550			ILLINOIS FED. AID PROJECT	