

NOTE:

THE EXISTING STRUCTURE AT STATION 1232+00.00 CONSISTS OF A MEDIAN INLET BOX AND A 24" PIPE CULVERT, TYPE 2, R.C.C.P. WITH CONCRETE HEADWALLS. THE STRUCTURE IS IN GOOD CONDITION, BUT THE PIPE CULVERT HAS SEPARATED AT THE FIRST TWO JOINTS FROM THE UPSTREAM (NORTH) END AND IS CAUSING SINKHOLES IN THE FORESLOPE. ALSO, AT THE DOWNSTREAM END THERE IS APPROXIMATELY 1 FT OF SCOUR AROUND THE TOEWALL WITH DITCH EROSION OCCURRING BETWEEN THE EXISTING R.O.W. LINE AND THE CONCRETE HEADWALL.

THE PROPOSED SCOPE OF WORK AT THE UPSTREAM END IS TO EXCAVATE TO A DEPTH SUFFICIENT ENOUGH TO CONSTRUCT A CONCRETE COLLAR AROUND THE SEPARATED JOINTS. THE COST OF THE EARTH EXCAVATION AT THIS LOCATION WILL BE PAID FOR SEPARATELY, BUT SHALL NOT EXCEED THE QUANTITY SPECIFIED.

AT THE DOWNSTREAM END, THE CHANNEL SHALL BE RE-GRADED TO ACCEPT A TREATMENT OF CLASS A4 RIPRAP THAT EXTENDS FROM THE DOWNSTREAM CONCRETE HEADWALL TO THE 15" CMP AT THE EXISTING R.O.W. LINE. THE RIPRAP ELEVATION AT THE UPSTREAM END SHALL MATCH THE CONCRETE HEADWALL INVERT AND THE RIPRAP ELEVATION AT THE DOWNSTREAM END SHALL MATCH THE PIPE CULVERT INVERT. EARTHWORK REQUIRED FOR RIPRAP OPERATIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCIDENTAL TO STONE RIPRAP, CLASS A4.

AT THIS LOCATION, THE SECTION OF FENCE THAT IS DAMAGED SHALL ALSO BE REMOVED AND REPLACED.

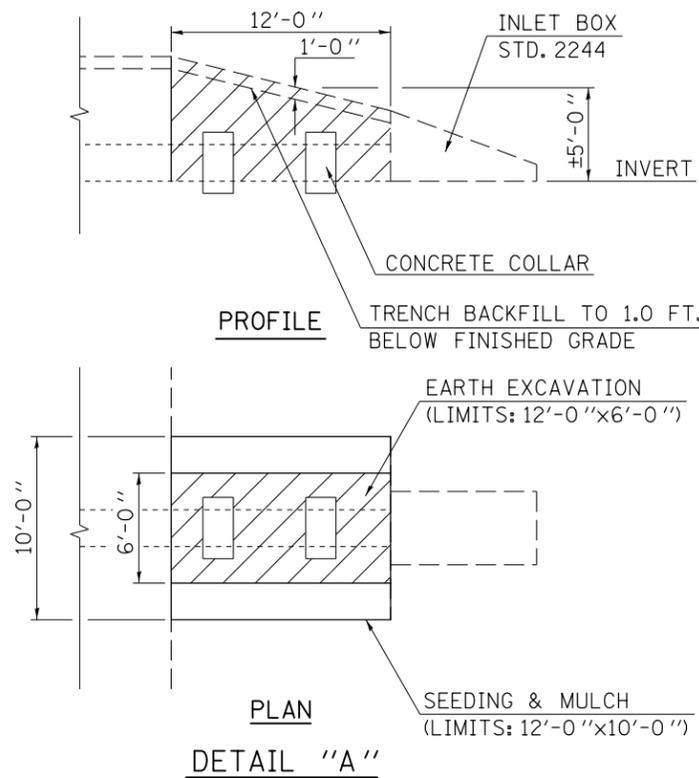
DRAINAGE STRUCTURE IMPROVEMENT DETAIL

LOCATION #4 STA. 1232 + 00.00

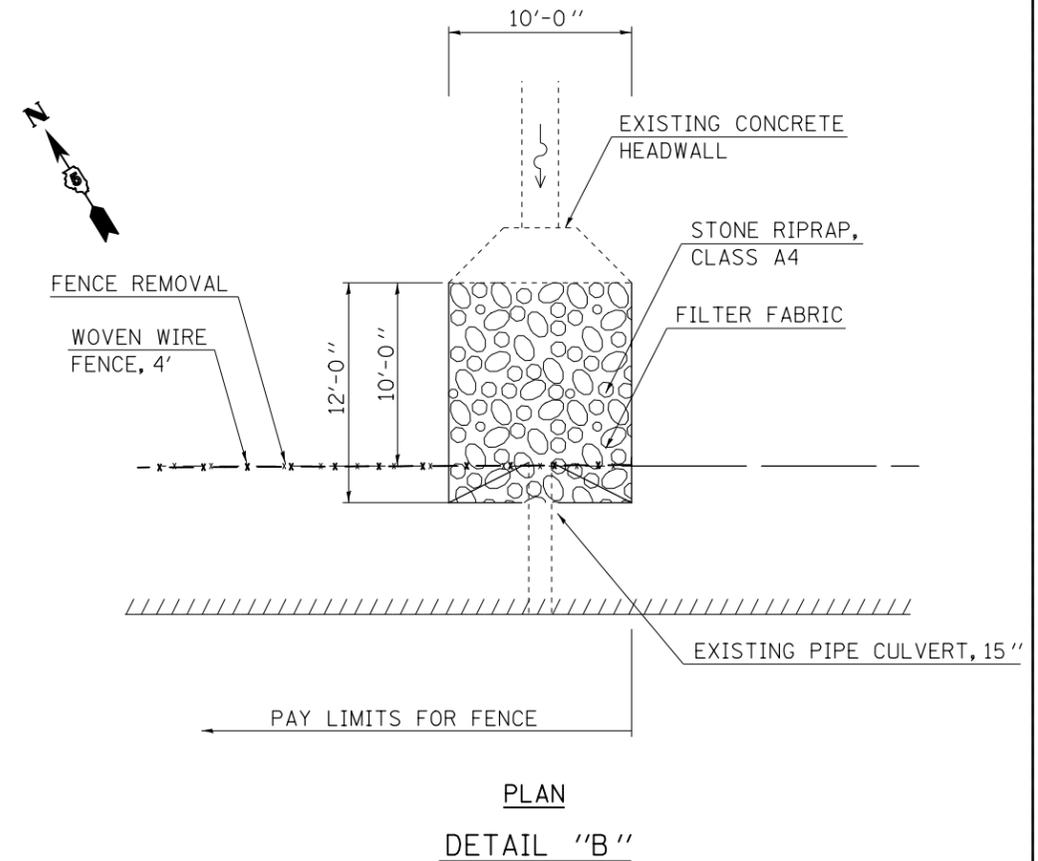
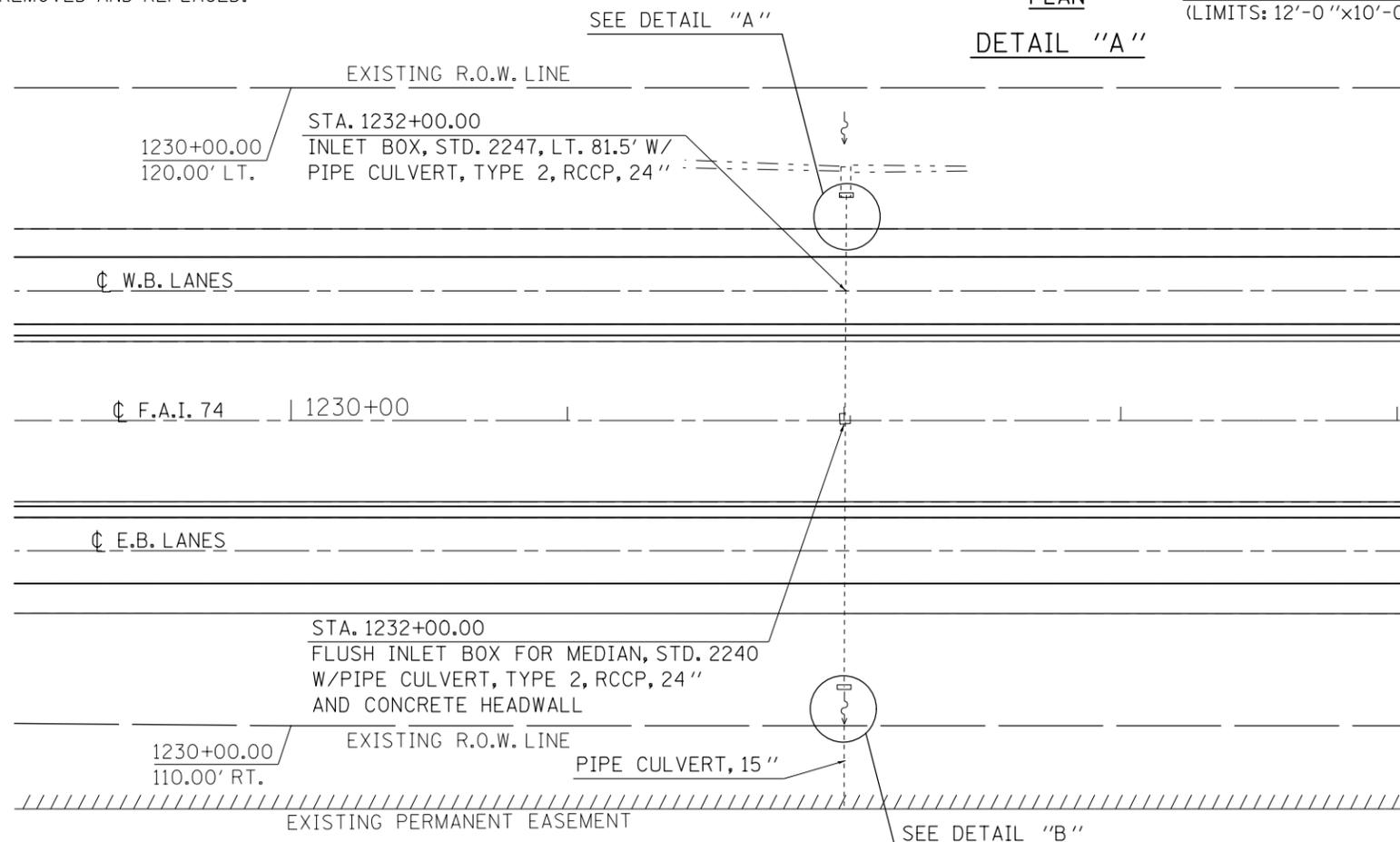
BILL OF MATERIALS

LOCATION # 4; STATION 1232+00.00

ITEM #	DESCRIPTION	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	14.00
20800150	TRENCH BACKFILL	CU YD	13.00
25000210	SEEDING, CLASS 2A	ACRE	0.003
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	0.27
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	0.27
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	0.27
25100115	MULCH, METHOD 2	ACRE	0.003
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	0.30
28100107	STONE RIPRAP, CLASS A4	SQ YD	14.00
28200200	FILTER FABRIC	SQ YD	14.00
54248510	CONCRETE COLLAR	CU YD	0.90
66500105	WOVEN WIRE FENCE, 4'	FOOT	60.00
Z0022800	FENCE REMOVAL	FOOT	60.00



EARTH EXCAVATION



FILE NAME =	USER NAME = piersonbr	DESIGNED - GAE	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE STRUCTURE IMPROVEMENT DETAIL LOCATION #4 STA. 1232 + 00.00	F.A.I. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw_work\p\idot\piersonbr\0184863\0570648-shit-str_mpr.dgn	DRAWN - BBP	REVISED -	74			(57-23,57-24)RS-1	MCLEAN	175	105	
PLOT SCALE = 60.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 70648							
PLOT DATE = 8/25/2011	DATE - 07/11/11	REVISED -	ILLINOIS FED. AID PROJECT							