## DRAINAGE STRUCTURE IMPROVEMENT DETAIL

## **LOCATION** #11 STA. 254 + 85.00

BILL OF MATERIALS

LOCATION # 11: STATION 254+85.00

Z0022800

THE EXISTING STRUCTURE AT STATION 254+85.00 CONSISTS OF A MEDIAN INLET BOX AND A 42" PIPE CULVERT, TYPE 2, R.C.C.P. WITH CONCRETE HEADWALLS. THE STRUCTURE IS IN GOOD CONDITION, BUT AT BOTH ENDS OF THE CULVERT THERE IS SCOUR AROUND THE TOEWALL WITH DITCH EROSION OCCURING BETWEEN THE EXISTING R.O.W. LINE AND THE CONCRETE HEADWALL. ALSO. THE ACCESS CONTROL FENCE IS COLLECTING AGRICULTURAL DEBRIS, THUS RESTRICTING FLOW AWAY FROM THE PIPE.

NOTE:

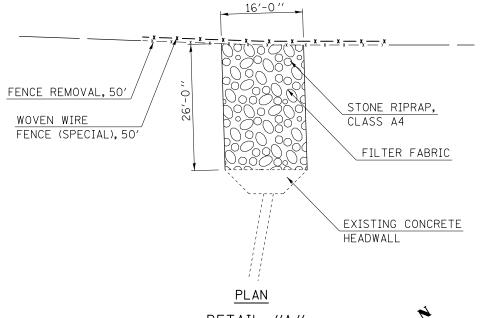
THE PROPOSED SCOPE OF WORK IS TO RE-GRADE THE DITCH TO ACCEPT A TREATMENT OF CLASS A4 RIPRAP THAT EXTENDS FROM THE CONCRETE HEADWALL TO THE EXISTING R.O.W. LINE. THE RIPRAP SHOULD BE PLACED IN SUCH A MANNER TO PROTECT THE CHANNEL WITHOUT IMPEDING FLOW FROM THE ADJACENT DITCHES. THE RIPRAP ELEVATION AT THE CONCRETE HEADWALL SHALL MATCH THE INVERT ELEVATION AND THE RIPRAP ELEVATION AT THE R.O.W. LINE SHALL MATCH THE EXISTING GROUND FLOWLINE. EARTHWORK REQUIRED FOR RIPRAP OPERATIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCIDENTAL TO STONE RIRPAP, CLASS A4.

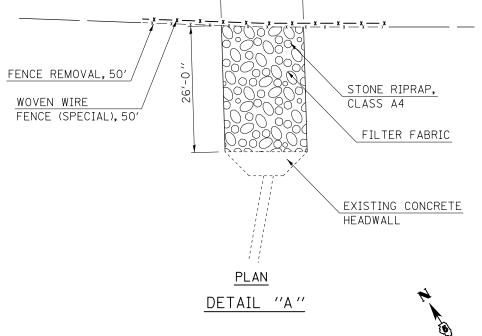
THE ACCESS CONTROL FENCE LOCATED AT THE R.O.W. LINE AT BOTH THE UPSTREAM AND DOWNSTREAM END SHALL BE REPLACED WITH WOVEN WIRE FENCE (SPECIAL).

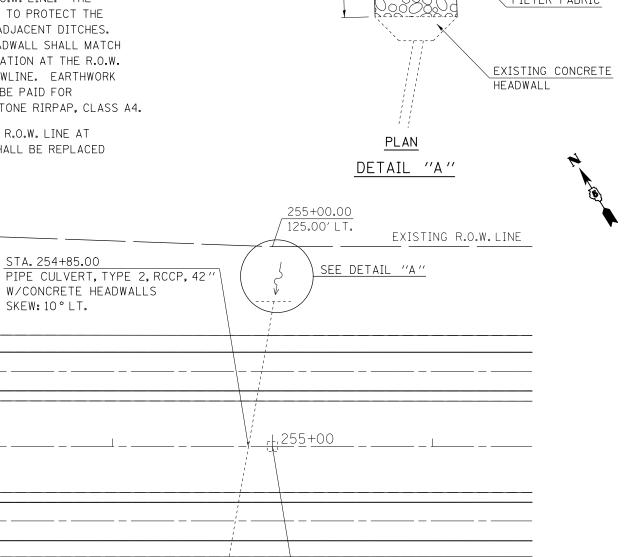
¢ W.B.LANES

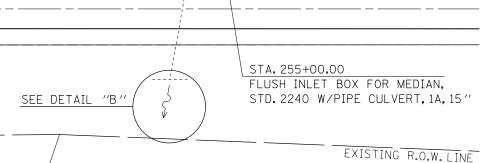
¢ F.A.I. 74

¢ E.B. LANES

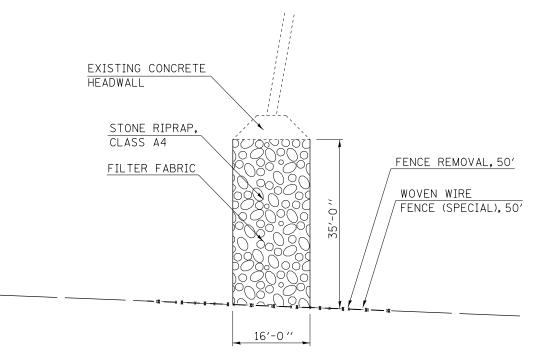








QUANTITY ITEM # DESCRIPTION UNIT STONE RIPRAP, CLASS A4 28100107 SQ YD 108.00 FILTER FABRIC SQ YD 28200200 108.00 WOVEN WIRE FENCE (SPECIAL) X6650200 FOOT 100.00 FENCE REMOVAL FOOT 100.00



PLAN DETAIL "B"

ILE NAME =	USER NAME = piersonbr	DESIGNED	-	GAE	REVISED	-
:\pw_work\pwidot\piersonbr\d0184863\D57	0648-sht-str impr.dgn	DRAWN	-	BBP	REVISED	-
	PLOT SCALE = 60.0000 '/ in.	CHECKED	-		REVISED	-
	PLOT DATE = 8/25/2011	DATE	-	07/11/11	REVISED	-

254+00.00 125.00′ RT.

STA. 254+85.00

SKEW:10°LT.

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

SCALE: 1" = 30'

			F.A.I. RTE.	SECTION	COUNTY	SH			
LOCATION #11 STA. 254 + 85.00				74	(57-23,57-24)RS-1	MCLEAN			
LOCATION #11 STA. 254 + 05.00			CONTRACT						
	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	i	THE THIOTE FED ATD PROJECT				