NOTE: DRAINAGE STRUCTURE IMPROVEMENT DETAIL BILL OF MATERIALS THE EXISTING STRUCTURE AT STATION 1232+00.00 CONSISTS OF A **LOCATION** #4 STA. 1232 + 00.00 MEDIAN INLET BOX AND A 24" PIPE CULVERT, TYPE 2, R.C.C.P. WITH LOCATION # 4; STATION 1232+00.00 CONCRETE HEADWALLS. THE STRUCTURE IS IN GOOD CONDITION. 12'-0 '' BUT THE PIPE CULVERT HAS SEPARATED AT THE FIRST TWO JOINTS INLET BOX STD. 2244 FROM THE UPSTREAM (NORTH) END AND IS CAUSING SINKHOLES IN ITEM # DESCRIPTION UNIT THE FORESLOPE. ALSO, AT THE DOWNSTREAM END THERE IS 20200100 EARTH EXCAVATION CU YD APPROXIMATELY 1 FT OF SCOUR AROUND THE TOEWALL WITH DITCH CU YD 20800150 TRENCH BACKFILL EROSION OCCURING BETWEEN THE EXISTING R.O.W. LINE AND THE ACRF 25000210 SEEDING, CLASS 2A INVERT CONCRETE HEADWALL. 25000400 POUND NITROGEN FERTILIZER NUTRIENT PHOSPHORUS FERTILIZER NUTRIENT POUND 25000500 THE PROPOSED SCOPE OF WORK AT THE UPSTREAM END IS TO 25000600 POTASSIUM FERTILIZER NUTRIENT POUND EXCAVATE TO A DEPTH SUFFICIENT ENOUGH TO CONSTRUCT A CONCRETE COLLAR 25100115 MULCH. METHOD 2 ACRE CONCRETE COLLAR AROUND THE SEPARATED JOINTS. THE COST 28000250 TEMPORARY EROSION CONTROL SEEDING POUND OF THE EARTH EXCAVATION AT THIS LOCATION WILL BE PAID FOR TRENCH BACKFILL TO 1.0 FT. PROFILE 28100107 STONE RIPRAP, CLASS A4 SQ YD BELOW FINISHED GRADE SEPARATELY, BUT SHALL NOT EXCEED THE QUANTITY SPECIFIED. 28200200 FILTER FABRIC SQ YD EARTH EXCAVATION AT THE DOWNSTREAM END. THE CHANNEL SHALL BE RE-GRADED 54248510 CONCRETE COLLAR CU YD (LIMITS: 12'-0 "x6'-0") TO ACCEPT A TREATMENT OF CLASS A4 RIPRAP THAT EXTENDS 66500105 WOVEN WIRE FENCE, 4' FOOT FROM THE DOWNSTREAM CONCRETE HEADWALL TO THE 15" CMP FENCE REMOVAL FOOT Z0022800 AT THE EXISTING R.O.W. LINE. THE RIPRAP ELEVATION AT THE 10'-0' UPSTREAM END SHALL MATCH THE CONCRETE HEADWALL INVERT EARTH EXCAVATION 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 10'-0 ' SHALL BE INCIDENTAL TO STONE RIPRAP, CLASS A4. AT THIS LOCATION. THE SECTION OF FENCE THAT IS DAMAGED SEEDING & MULCH SHALL ALSO BE REMOVED AND REPLACED. PLAN EXISTING CONCRETE (LIMITS: 12'-0 "×10'-0 ") SEE DETAIL "A" HEADWALL DETAIL "A" EXISTING R.O.W. LINE STONE RIPRAP. STA, 1232+00,00 CLASS A4 FENCE REMOVAL 1230+00.00 INLET BOX, STD. 2247, LT. 81.5' W/ PIPE CULVERT, TYPE 2, RCCP, 24" 120.00′ LT. FILTER FABRIC WOVEN WIRE 10'-0" FENCE, 4' ¢ W.B. LANES | 1230+00 ¢ F.A.I. 74 EXISTING PIPE CULVERT, 15 PAY LIMITS FOR FENCE ¢ E.B. LANES PLAN STA. 1232+00.00 FLUSH INLET BOX FOR MEDIAN, STD, 2240 DETAIL "B" W/PIPE CULVERT, TYPE 2, RCCP, 24" AND CONCRETE HEADWALL EXISTING R.O.W. LINE 1230+00.00 PIPE CULVERT, 15 " 110.00' RT.

QUANTITY

14.00

13.00

0.003

0.27

0.27

0.27

0.003

0.30

14.00

14.00

0.90

60.00

60.00

SECTION

(57-23,57-24)RS-1

COUNTY

MCLEAN 175 105 CONTRACT NO. 70648

FILE NAME =	USER NAME = piersonbr	DESIGNED - GAE	REVISED -		DRAINAGE STRUCTURE IMPROVEMENT DETAIL LOCATION #4 STA. 1232 + 00.00			F.A.I. RTE.	
c:\pw_work\pwidot\piersonbr\d0184863\D57	0648-sht-str impr.dgn	DRAWN - BBP	REVISED -	STATE OF ILLINOIS					74
	PLOT SCALE = 60.0000 '/ in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION				00	
	PLOT DATE = 8/25/2011	DATE - 07/11/11	REVISED -		SCALE: 1" = 30'	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	

SEE DETAIL "B"

EXISTING PERMANENT EASEMENT