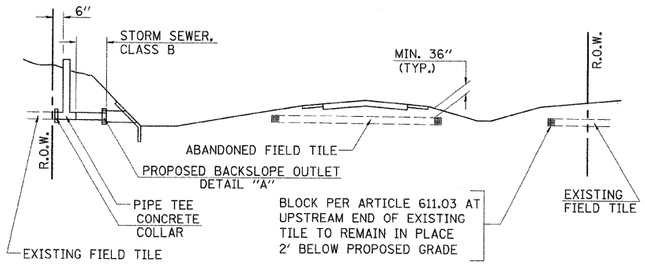
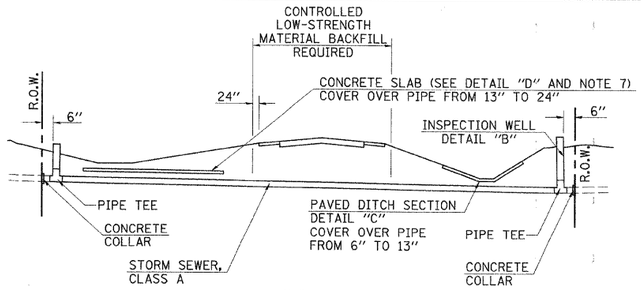
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
807	00-00374-01-PV	CHAMPAIGN	242	161
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. RS-HPP-1805(001)		

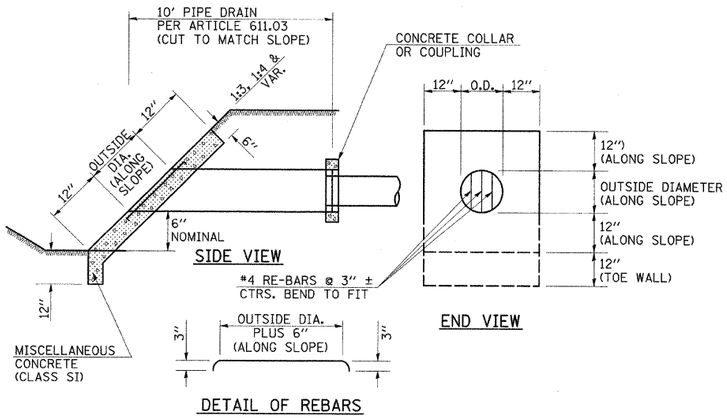
CONTRACT NO. 91368



METHOD 'A'
STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE

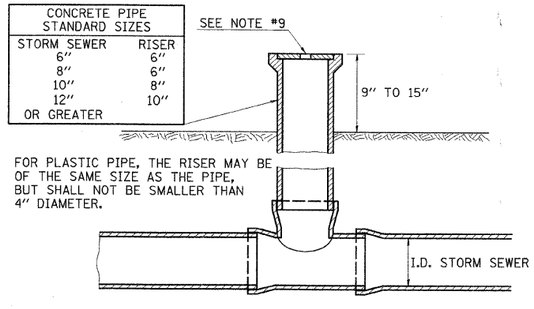


METHOD 'B'
STORM SEWER LESS THAN 24" BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENT AND PAVED DITCH

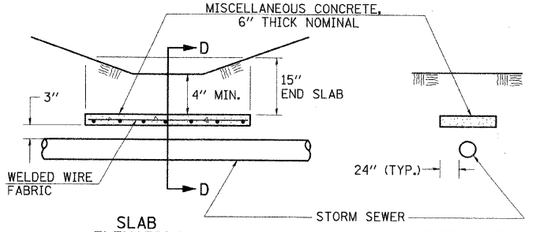


HEADWALL FOR BACKSLOPE OUTLET
DETAIL "A"

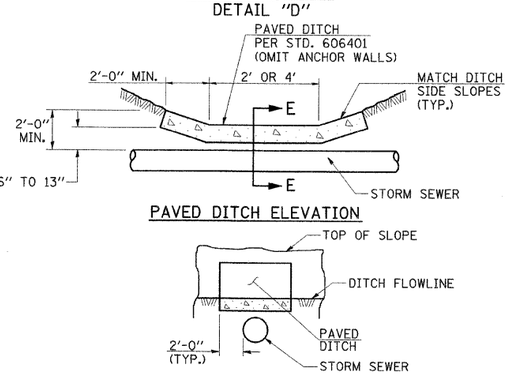
CONCRETE PIPE STANDARD SIZES	
STORM SEWER	RISER
6"	6"
8"	6"
10"	8"
12" OR GREATER	10"



INSPECTION WELL
DETAIL "B"



CONCRETE SLAB
DETAIL "D"

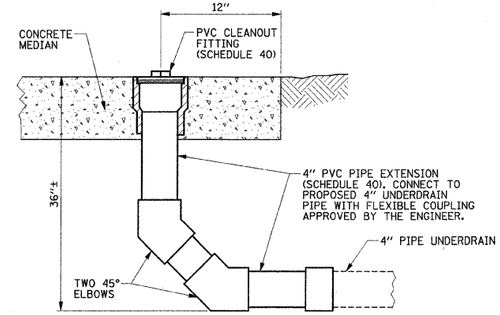


PAVED DITCH
DETAIL "C"

FIELD TILE GENERAL NOTES

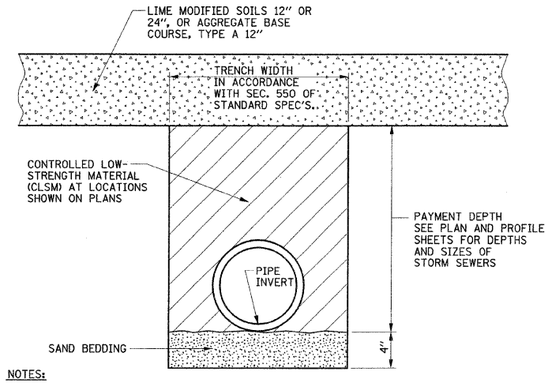
1. EXISTING FIELD TILE ENCOUNTERED BY EXPLORATION TRENCH SHALL BE INSPECTED BY THE ENGINEER FOR UNOBSTRUCTED FLOW WITHIN THE LIMITS OF THE RIGHT-OF-WAY.
2. ONLY FIELD TILE THAT DOES NOT HAVE SATISFACTORY FLOW AND OR HAS VISIBLE SIGNS OF DETERIORATION (SINK HOLES, ETC.) SHALL BE REPLACED WITHIN THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH METHOD "B".
3. INSPECTION WELLS SHALL BE CONSTRUCTED APPROXIMATELY 6" INSIDE OF BOTH RIGHT-OF-WAY LINES AT ALL FIELD TILE LOCATIONS.
4. EXISTING FIELD TILE ABANDONED UNDER EXISTING PAVEMENTS OR PAVED SHOULDERS SHALL BE FILLED WITH CONTROLLED LOW-STRENGTH MATERIAL AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
5. NON-CIRCULAR FIELD TILE SHALL BE REPLACED WITH STORM SEWERS OF AT LEAST THE SAME CROSS SECTIONAL AREA. ALL EXISTING FIELD TILE SHALL BE REPLACED WITH STORM SEWER, CLASS A UNDER PAVED SURFACES AND STORM SEWER, CLASS B IN NON-PAVED AREAS.
6. THE 6" CONCRETE SLAB OR DITCH LINING SHALL BE CONSTRUCTED THE LENGTH OF THE TRENCH AT ALL DITCH FLOW LINE LOCATIONS WITHIN THE RIGHT-OF-WAY WITH LESS THAN 2" OF EARTH COVER. MISCELLANEOUS CONCRETE SHALL BE USED ACCORDING TO SECTION 611.
7. ALL MISCELLANEOUS SLABS, APRONS AND DITCH LININGS SHALL BE REINFORCED WITH WELDED WIRE FABRIC AS SHOWN FOR PAVED DITCH IN STANDARD 606401.
8. HEADWALL FOR BACKSLOPE OUTLETS MAY BE USED FOR PIPE DRAIN DIAMETERS UP TO 12". SPECIAL DESIGNS WILL BE REQUIRED FOR LARGER SIZES.
9. THE INSPECTION WELL LID FOR P.C.C. PIPE SHALL BE CONSTRUCTED OF 3/8" CAST IRON AND PROVIDED WITH A 1" DIAMETER HOLE IN CENTER. THE LID FOR THE OTHER PIPE MATERIALS SHALL BE A GRATE ASSEMBLY PREFABRICATED FOR AND COMPATIBLE WITH THE PIPE SYSTEM.
10. THE INSPECTION WELL INCLUDING THE PIPE TEE, RISER PIPE AND LID WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE STORM SEWERS.

DETAIL FOR TREATMENT OF EXISTING FIELD TILE SYSTEMS



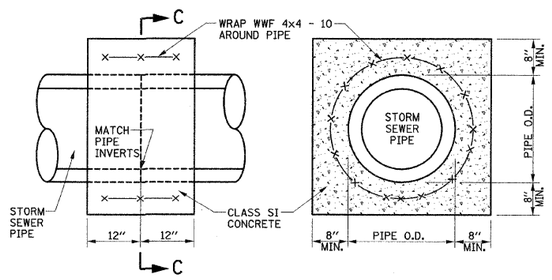
NOTE:
THE COST OF CONSTRUCTING THE PIPE UNDERDRAIN CLEANOUTS WILL BE CONSIDERED AS INCLUDED IN THE COST OF THE PIPE UNDERDRAINS 4" (SPECIAL) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

PIPE UNDERDRAIN CLEANOUT DETAIL



NOTES:
1. THE CLSM SHALL BE PLACED IN LIFTS AS DESCRIBED IN SECTION 593 OF THE STANDARD SPECIFICATIONS.
2. THE APPLICABLE ARTICLES OF SECTION 550 OF THE STANDARD SPECIFICATIONS SHALL APPLY FOR EXCAVATION, BEDDING AND INSTALLATION OF STORM SEWERS.
3. THE SAND BEDDING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CLSM AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
4. THE CLSM WILL BE PAID FOR IN ACCORDANCE WITH SECTION 593 OF THE STANDARD SPECIFICATIONS FOR CLSM AND INCLUDES PAYMENT FOR THE MATERIAL TO THE TOP OF THE SAND BEDDING AS SHOWN ON THE DETAIL. THE QUANTITIES SHOWN ON THE PLANS ARE BASED ON A DEPTH MEASURED FROM THE TOP OF THE SAND BEDDING TO THE BOTTOM LIMITS OF THE LIME MODIFIED SOIL LAYER OR THE AGGREGATE BASE COURSE.

CONTROLLED LOW-STRENGTH MATERIAL DETAIL



NOTE:
THE CONCRETE COLLARS SHALL BE UTILIZED WHERE CONNECTING STORM SEWERS OF DIFFERENT TYPES OR AS DIRECTED BY THE ENGINEER. THE COST OF CONSTRUCTING THE CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR CONCRETE COLLAR.

CONCRETE COLLAR DETAILS

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING FIELD TILE, CONCRETE COLLAR, PIPE UNDERDRAIN CLEANOUT, AND CONTROLLED LOW-STRENTGH MATERIAL DETAILS

DATE : 10-08
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE