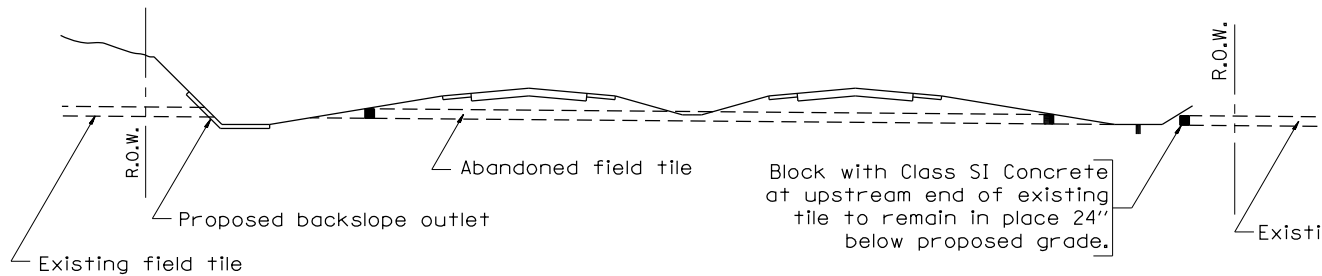
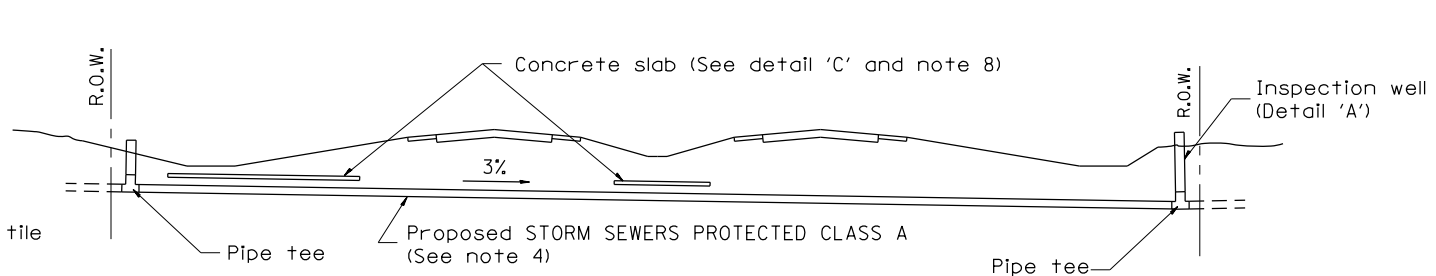


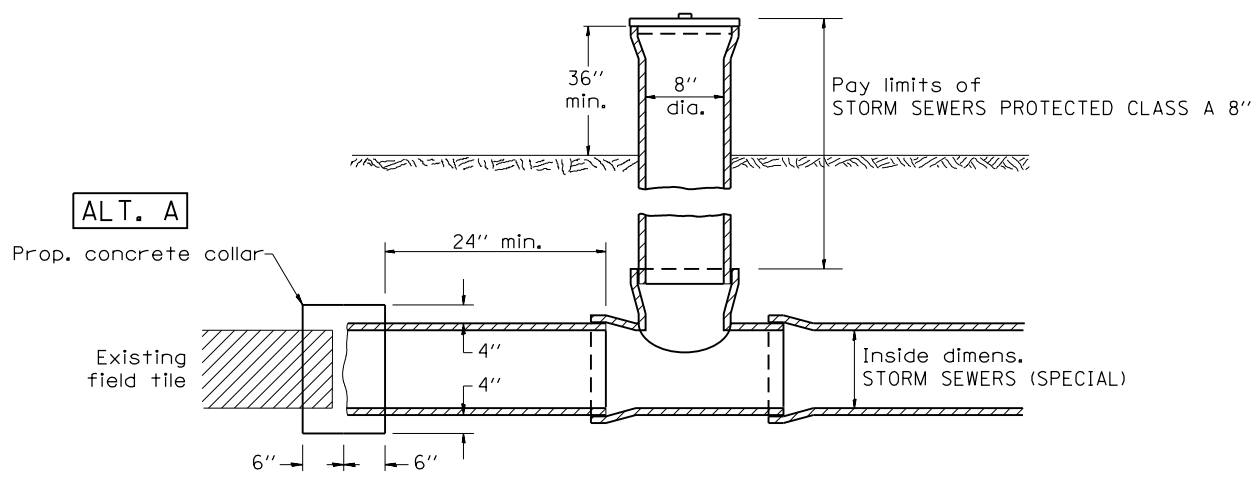
DESIGNER NOTES: USE THIS IN CONJUNCTION WITH SPECIAL PROVISION FOR "STORM SEWERS, PROTECTED."
 PIPE DRAINS-LAST 10' OF EXISTING TILE OUTLET INTO ROADWAY DITCH.
 PIPE DRAIN HEADWALLS- C.I.P. WITH CLASS SI CONCRETE (SECTION 503)
 STORM SEWERS PROTECTED, CLASS A- TILE WITHIN R.O.W., CROSSING UNDER ROADWAY AND UNDER DITCH WHERE PROTECTION IS NECESSARY.
 STORM SEWERS, SPECIAL- TILE WITHIN R.O.W., THAT DOESN'T REQUIRE PROTECTION AND DOESN'T OUTLET INTO DITCH.
 STORM SEWERS, SPECIAL HEADWALLS- ACCORDING TO SECTION 601.05 WHICH ALLOWS C.I.P. OR PRECAST- PAID FOR AS CONCRETE HEADWALLS FOR PIPE DRAINS (EACH)



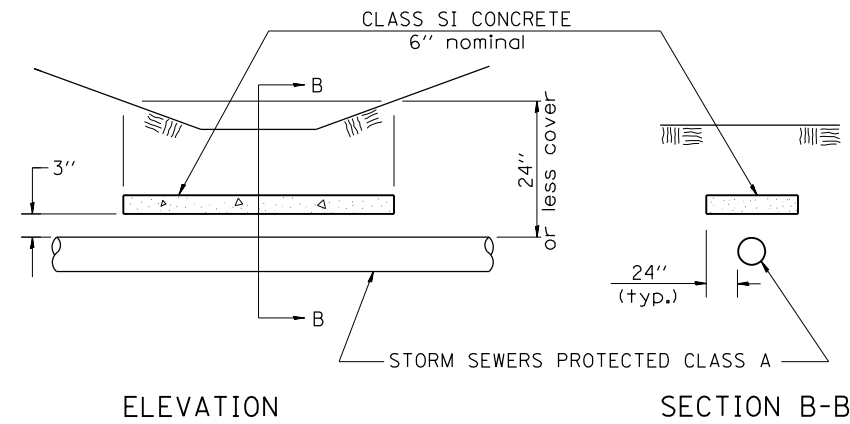
METHOD 'A'
 Storm sewer flowline at 6" or more above proposed ditch flowline



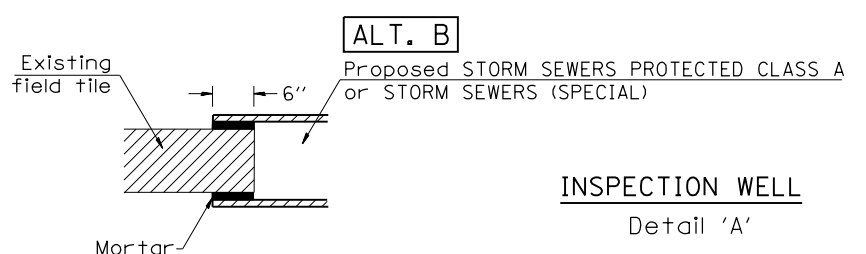
METHOD 'B'
 Storm sewers below proposed ditch flowline



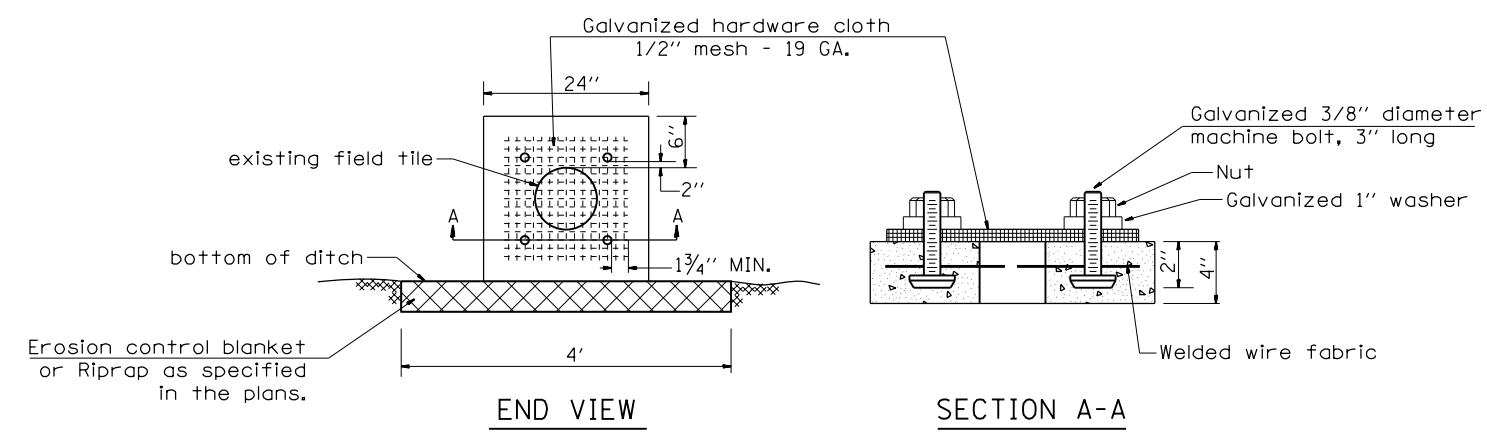
INSPECTION WELL CONCRETE LID
 Detail 'B'



CONCRETE SLAB
 Detail 'C'



INSPECTION WELL
 Detail 'A'



CAST-IN-PLACE CONCRETE HEADWALL
 Detail 'D'
 Use when outletting through a slope wall or revetment mat

GENERAL NOTES:

- Method 'A' is the preferred method of installation and should be used to minimize non-essential pipe crossing under pavement. The engineer should consider adjusting ditch elevations to accommodate the field tile outletting 6" above the ditch flowline.
- Method 'B' shall be used only if ditch elevations cannot be adjusted to accommodate the use of method 'A'.
- Abandoned field tiles shall be plugged with Class SI concrete, as directed by the engineer, included in the cost of STORM SEWERS PROTECTED CLASS A or STORM SEWERS (SPECIAL).
- Non-circular field tile shall be replaced with STORM SEWERS PROTECTED CLASS A or STORM SEWERS (SPECIAL) of at least the same cross sectional area as the upstream field tile. All existing field tile shall be replaced with storm sewer of the type required for the minimum depth of cover.
- STORM SEWERS PROTECTED CLASS A 8" shall be used for the inspection well and riser regardless of existing tile size.
- Inspection wells shall be placed approximately 24" inside of both R.O.W. lines at the locations shown on the plans unless arrangements are made by the land acquisition unit to have the wells placed on the property owners side of the R.O.W.
- The inspection well concrete lid shall be constructed of P.C.C. and provided with a handle shaped from a #4 reinforcing bar. This work shall be included in the cost of STORM SEWERS PROTECTED CLASS A or STORM SEWERS (SPECIAL).
- The 6" concrete slab shall be poured the full length of the trench at the ditch flowline locations within the right of way with less than 24" of earth cover. Paid separately as CLASS SI CONCRETE.
- The existing field tiles shall be connected to a STORM SEWERS PROTECTED CLASS A or STORM SEWERS (SPECIAL) by a concrete collar or mortared connection as shown in Detail 'A'.
- All collars, tees, elbows, lids, fittings and mortar necessary to install the storm sewer of the size specified, shall be included in the cost of either STORM SEWERS PROTECTED CLASS A or STORM SEWERS (SPECIAL).
- Applicable portion of the Special Provision for STORM SEWERS PROTECTED CLASS A apply.

01-01-97	RENUM. A-18.02, NEW REVISION BOX, REVISED TITLE BOX	T.P.	04-25-17	MAJOR REVISIONS	R.D.
06-01-97	REVISED DRAWING & TITLE BOX	J.A.			
10-16-06	REVISED TO 2007 SPEC.	M.A.			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE	STORM SEWERS PROTECTED CLASS A OR STORM SEWERS (SPECIAL)	CADD STD. 611001-D4	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			CONTRACT NO.				
			FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		