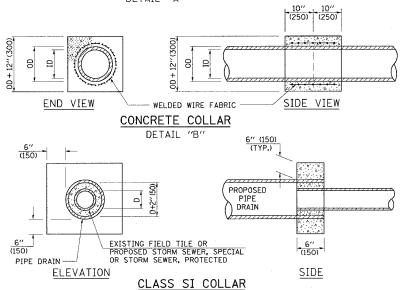
SECTION COUNTY (48X-2)BR-2 VERMILION 26 DETAIL FOR TREATMENT OF EXISTING FIELD TILE SYSTEMS CONTRACT NO. 70017 CONCRETE SLAB (SEE DETAIL "F" AND NOTE 7) COVER OVER PIPE FROM 13" (330) TO 24" (600) (150) (150) STORM SEWER, SPECIAL STORM SEWER, MIN. 24" (600) (TYP.) REQUIRED MIN. 24" (600) (600) INSPECTION WELL (DETAIL "D") (150) (150) -ABANDONED FIELD TILE BLOCK PER ARTICLE 611.03 AT UPSTREAM END OF EXISTING ARANDONED FIELD TILE-PROPOSED BACKSLOPE OUTLET DETAIL "A" PROPOSED BACKSLOPE OUTLET DETAIL "A" PIPE TEE PAVED DITCH SECTION THE TO REMAIN IN PLACE CLASS SI CONCRETE COLLAR DETAIL "E -PIPE TEE COVER OVER PIPE EXISTING FIELD TILE BLOCK PER ARTICLE 611.03 AT UPSTREAM END OF EXISTING PIPE TEE FROM 6" (150) TO -DETAIL "B" EXISTING FIELD TILE-DETAIL "B" METHOD 'A' (4 LANE) EXISTING FIELD TILE 13" (330) -DETAIL "B TILE TO REMAIN IN PLACE CLASS SI CONCRETE COLLAR STORM SEWER, (600) BELOW PROPOSED GRADE STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE PROTECTED METHOD 'A' (2 LANE) METHOD 'B' (2 LANE) STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE TRENCH BACKFILL REQUIRED TRENCH BACKFILL REQUIRED SEWERS CROSSING UNDER PAVEMENT AND PAVED DITCH 10' (3.0 m) PIPE DRAIN PER ARTICLE 611.03 (CUT TO MATCH SLOPE) ETE SLAB (SEE DETAIL "F" AND NOTE 7) OVER PIPE FROM 13" (330) TO 24" (600) (600) CONCRETE PIPE STANDARD SIZES SEE NOTE #9 INSPECTION WELL (DETAIL "D") (150) (150) STORM SEWER RISER 6" (150) 8" (200) 10" (250) 12" (300) 150 A:J: JAP 12" OD 12" (300) (300) " (230) TO 10" (250) OR COUPLING PIPE TEE PAVED DITCH SECTION SEE DETAIL "C" STORM SEWER, PROTECTED DETAIL "E" COVER OVER PIPE CLASS SI CONCRETE COLLAR 12" (300) ラックリカリトリトリト FROM 6" (150) TO CLASS SI (ALONG SLOPE) DETAIL "B" FOR PLASTIC PIPE. THE RISER MAY BE 13" (330) CONCRETE COLLAR OUTSIDE DIAMETER OF THE SAME SIZE AS THE PIPE, BUT SHALL NOT BE SMALLER THAN METHOD 'B' (4 LANE) STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM 4" (100 mm) DIAMETER. 12" (300) SEWERS CROSSING UNDER PAVEMENTS AND PAVED DITCHES (ALONG SLOPE) NOMINAL 12" (300) I.D. STORM SEWER SPECIAL SIDE VIEW MISCELLANEOUS CONCRETE 6" (150) NOMINAL (TOE WALL) OUTSIDE DIA. PLUS 6" (150) INSPECTION WELL (ALONG SLOPE) END VIEW DETAIL "D" 15" (380) MISCELLANEOUS CONCRETE (75) DETAIL OF RE-BARS **GENERAL NOTES** HEADWALL FOR BACKSLOPE OUTLET 24" (600) EXISTING FIELD TILE ENCOUNTERED BY EXPLORATION TRENCH SHALL BE INSPECTED BY THE ENGINEER FOR UNOBSTRUCTED FLOW WITHIN THE LIMITS OF THE RIGHT-OF-WAY. WELDED WIRE, DETAIL "A" 10" 10" (250) (250) STORM SEWER, PROTECTED 2. ONLY FIELD TILE THAT DOES NOT HAVE SATISFACTORY FLOW AND OR

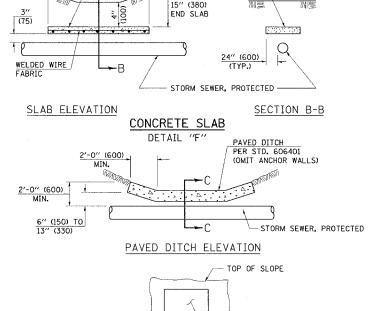


DETAIL "C"

UNLESS OTHERWISE SHOWN.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)

- 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" (150 mm) 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 FLOWABLE GROUT 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 SEWER, SPECIAL OF AT LEAST THE SAME CROSS SECTIONAL AREA. ALL EXISTING FIELD TILE SHALL BE REPLACED WITH STORM SEWER OF THE TYPE REQUIRED FOR THE MINIMUM DEPTH OF COVER.
- 6. THE 6" (150 mm) CONCRETE SLAB OR DITCH LINING SHALL BE POURED THE LENGTH OF THE TRENCH AT ALL DITCH FLOW LINE LOCATIONS WITHIN THE RIGHT-OF-WAY WITH LESS THAN 2" (600 mm) 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 OUTLET MAY BE USED FOR PIPE DRAIN DIAMETERS UP TO 10" (250 mm). SPECIAL DESIGNS WILL BE REQUIRED FOR LARGER SIZES.
- 9. THE INSPECTION WELL LID FOR P.C.C. PIPE SHALL BE CONSTRUCTED OF 3/8" (10 mm) CAST IRON AND PROVIDED WITH A 1" (25 mm) DIAMETER HOLE IN CENTER. THE LID FOR THE OTHER PIPE MATERIALS SHALL BE A GRATE ASSEMBLY PREFABRICATED FOR AND COMPATIBLE WITH THE PIPE SYSTEM.



2'-0" (600) PAVED DITCH

SECTION C-C

PAVED DITCH

DETAIL "E"

DESIGNED

CHECKED

CADD NO.

NAME DATE

D.L.P. 12/98

S.A.C. 12/98

REVISIONS

DATE

07/02

06/03

NAME

K.G.