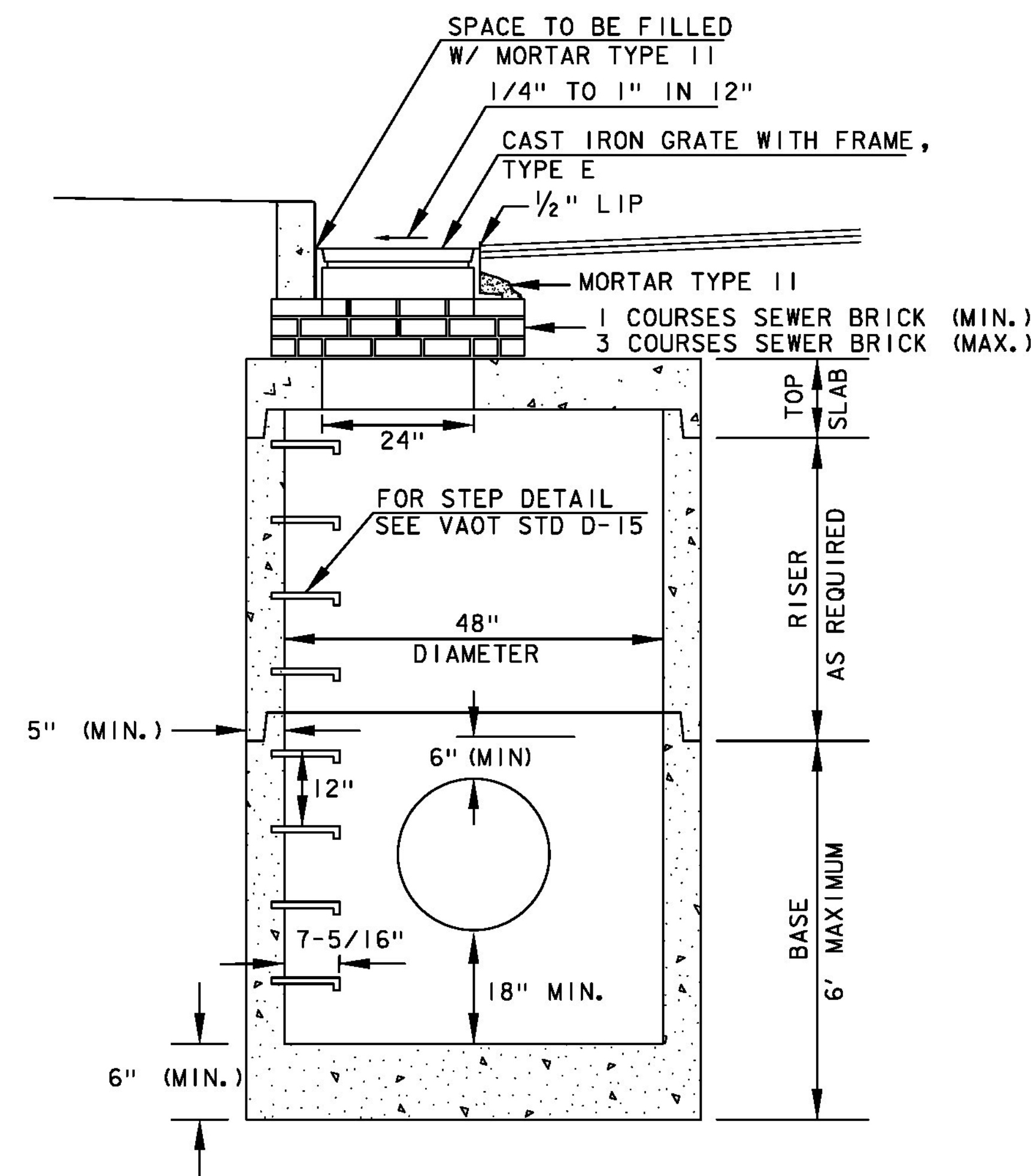
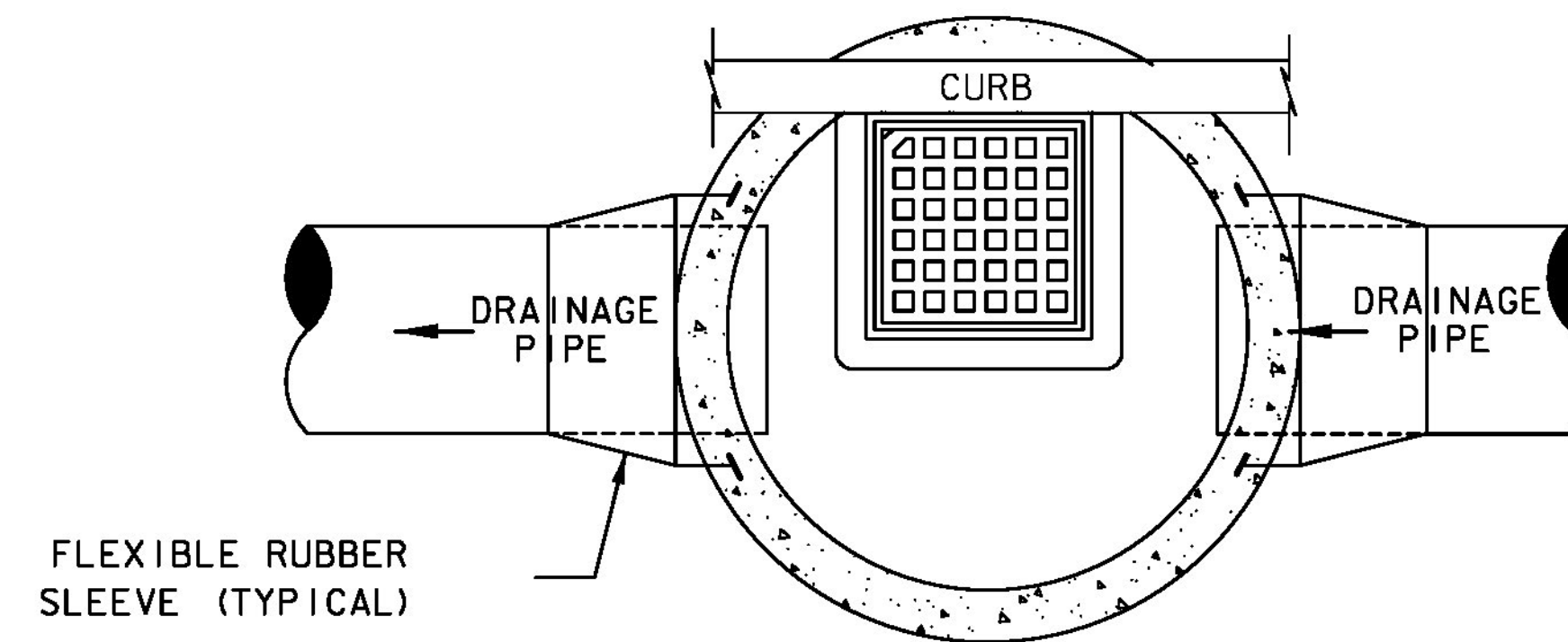
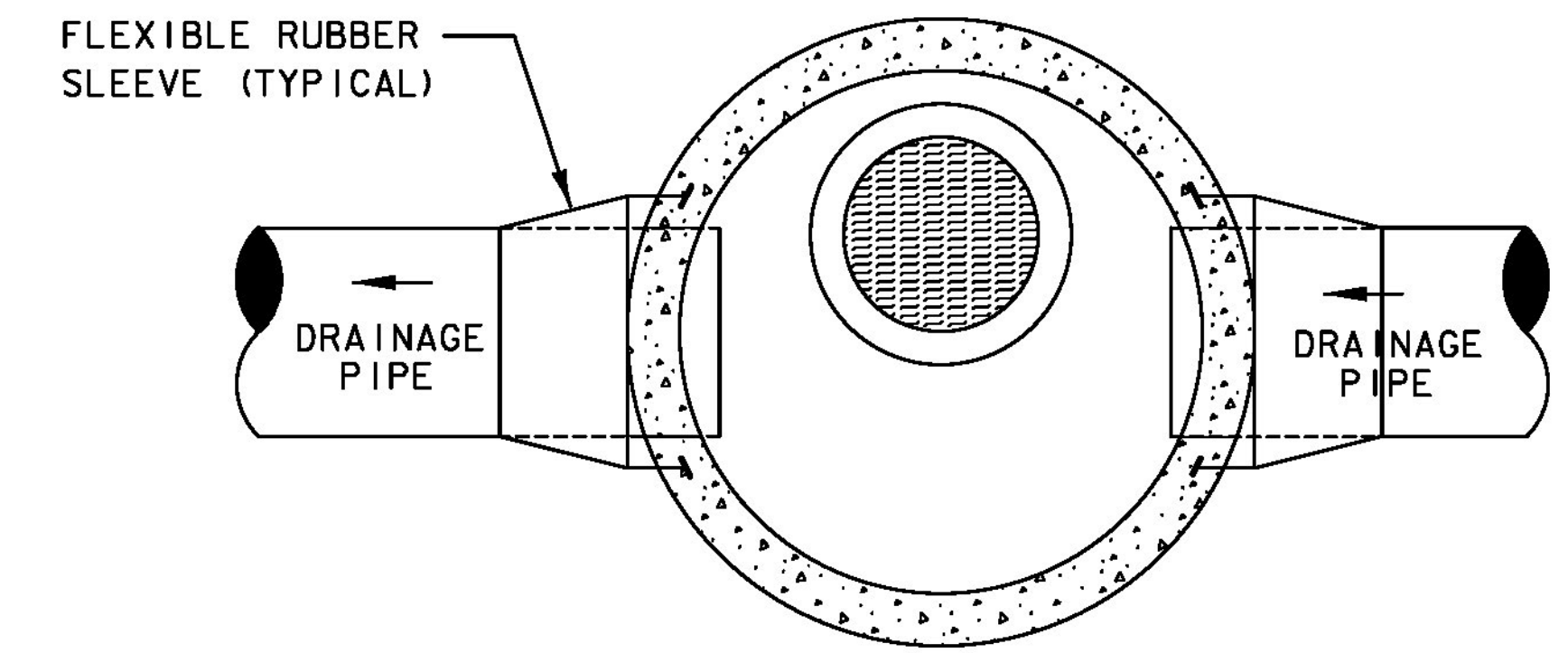




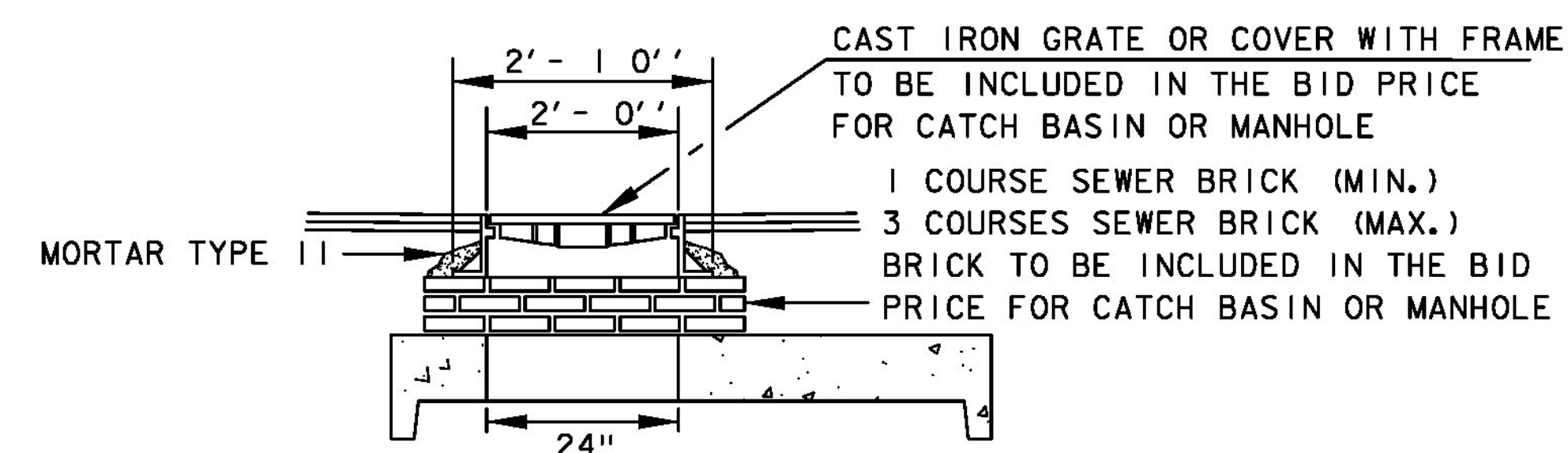
ELEVATION VIEW



DROP INLET PLAN VIEW



MANHOLE PLAN VIEW



TYPICAL ELEVATION OF GRATE INSTALLATION

TYPICAL PRECAST REINFORCED CONCRETE DROP INLET (PRCDI) OR MANHOLE (PRCMH) INSTALLED IN ROADWAY

SCALE: NOT TO SCALE

PRECAST CONCRETE DROP INLET AND MANHOLE NOTES:

- 1) PRECAST CONCRETE SECTIONS SHALL CONFORM TO THE STANDARD SPECIFICATIONS AND ASTM C-478.
- 2) MINIMUM CONCRETE COMPRESSIVE STRENGTH: 4,000 PSI AT 28-DAYS
- 3) STEEL REINFORCING SHALL CONFORM TO ASTM A185 OR A82 FOR HL-93 LOADING.
- 4) MANHOLE STEPS SHALL BE 14" WIDE STEEL REINFORCED COPOLYMER POLYPROPYLENE PLASTIC CONFORMING TO ASTM C-478 AND SHALL BE CAST INTO MANHOLE SECTIONS BY THE PRECAST CONCRETE MANUFACTURER.
- 5) FACE OF PIPE SHALL NOT PROJECT MORE THAN 2" OR LESS THAN 1" FROM INSIDE WALL OF STRUCTURE.
- 6) ALL STRUCTURES WITH MULTIPLE PIPES SHALL HAVE A MINIMUM OF 12" OF OUTSIDE SURFACE BETWEEN HOLES, NO MORE THAN 75% OF A HORIZONTAL CROSS-SECTION SHALL BE HOLES, AND THERE SHALL BE NO HOLES CLOSER THAN 3" TO JOINTS.
- 7) FITTING FRAME TO FINAL GRADE MAY BE DONE WITH BRICK OR PRECAST CONCRETE GRADE RINGS OF APPROPRIATE THICKNESS (3 COURSES MAX).
- 8) UNLESS OTHERWISE PERMITTED BY THE ENGINEER, FLAT SLAB TOPS SHALL BE USED FOR ALL DROP INLETS.
- 9) ALL PIPE INVERTS AND PENETRATION ANGLES SHALL BE FIELD VERIFIED PRIOR TO PRECASTING.
- 10) PRECAST SECTIONS SHALL HAVE A TONGUE AND GROOVE JOINT AND BE ASSEMBLED USING A BUTYL RUBBER OR APPROVED EQUAL SEALANT.
- 11) PROVIDE FLEXIBLE RUBBER SLEEVES CONFORMING TO ASTM C-923, RESILIENT, OF SIZE REQUIRED, FOR EACH PIPE CONNECTING TO STRUCTURE. SLEEVES SHALL BE CAST INTO PRECAST STRUCTURE BY THE MANUFACTURER FOR ALL PIPE PENETRATIONS.
- 12) DROP INLET GRATE ORIENTATION SHALL BE IN ACCORDANCE WITH STANDARD DRAWING D-15 FOR TYPE E GRATES.
- 13) PAYMENT FOR INSTALLATION OF THE DROP INLETS SHALL BE MADE UNDER CONTRACT ITEM 604.18.
- 14) PAYMENT FOR INSTALLATION OF THE MANHOLE SHALL BE MADE UNDER CONTRACT ITEM 604.21.

PROJECT NAME: BENNINGTON
PROJECT NUMBER: BRF 1000(16)

FILE NAME: z88j087bdr_drndet.dgn
PROJECT LEADER: R. HEBERT
DESIGNED BY: D. BRYANT
DRAINAGE DETAILS

PLOT DATE: 8/7/2014
DRAWN BY: J. DAVIS
CHECKED BY: D. BURHANS
SHEET 17 OF 75