



PRECAST REINFORCED CONCRETE DROP INLET (PRCDI)
NOT TO SCALE

PRECAST CONCRETE DROP INLET AND MANHOLE NOTES:

1. PRECAST CONCRETE SECTIONS SHALL CONFORM TO STANDARD SPECIFICATION SECTION 604.
2. CONCRETE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 541 FOR CONCRETE, CLASS A.
3. DROP INLETS SHALL BE DESIGNED FOR HL93 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. FLAT SLAB TOPS SHALL BE USED FOR ALL DROP INLETS, UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
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 DETAIL D-15 FOR TYPE E GRATES.
13. PAYMENT FOR INSTALLATION OF THE DROP INLETS WILL BE MADE UNDER ITEM 604.18, "PRECAST REINFORCED CONCRETE DROP INLET WITH CAST IRON GRATE."

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| TYLIN INTERNATIONAL | PROJECT NAME: BARTON VILLAGE | PLOT DATE: 7/26/2016 |
| | PROJECT NUMBER: BHF 0286(5) | DRAWN BY: B. TOOTHAKER |
| | FILE NAME: z12j172drndet.dgn | CHECKED BY: J. HOWE |
| | PROJECT LEADER: J. OLUND | SHEET 71 OF 110 |
| | DESIGNED BY: D. BRYANT | |
| | PRECAST DROP INLET DETAILS | |