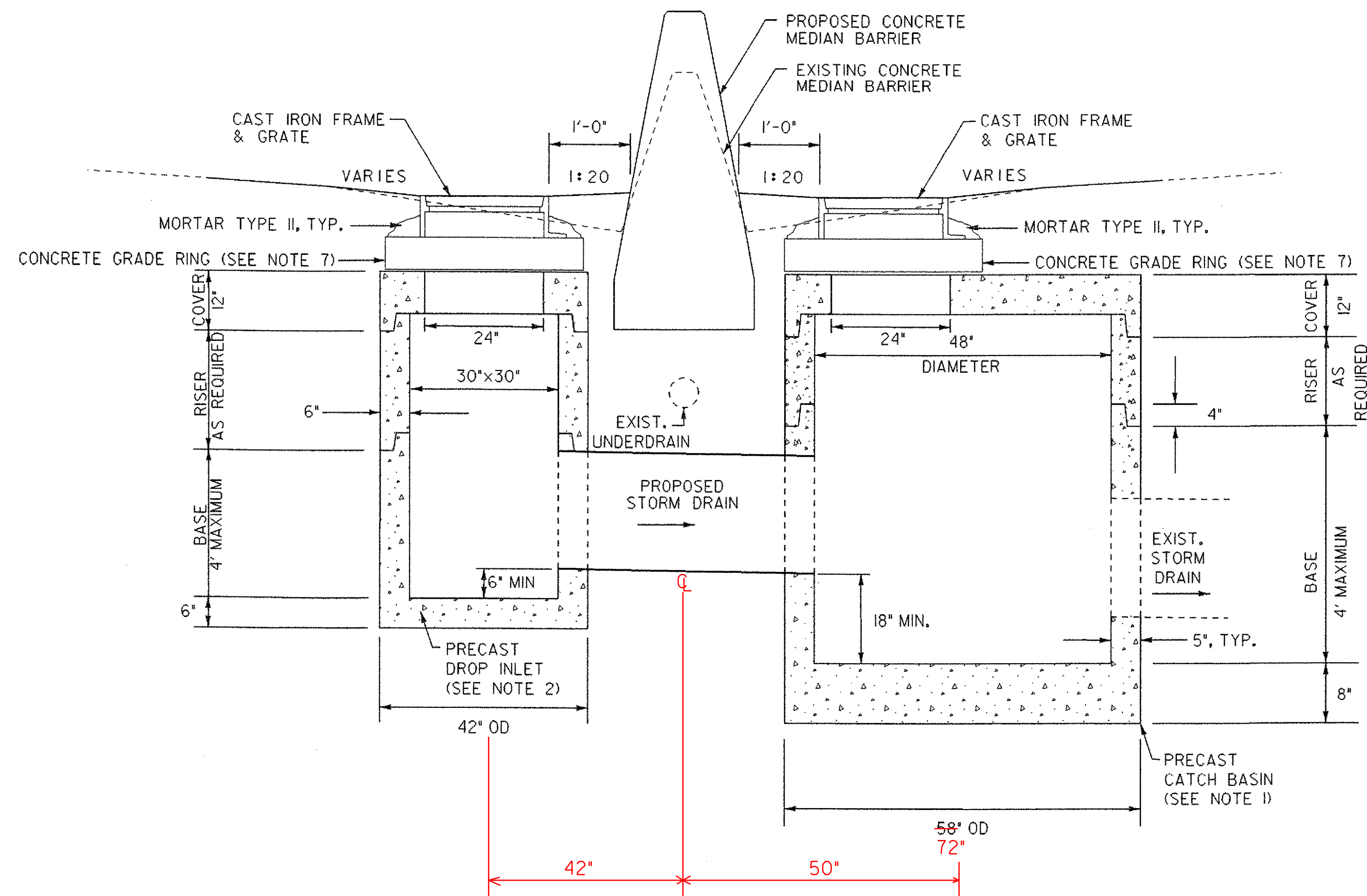


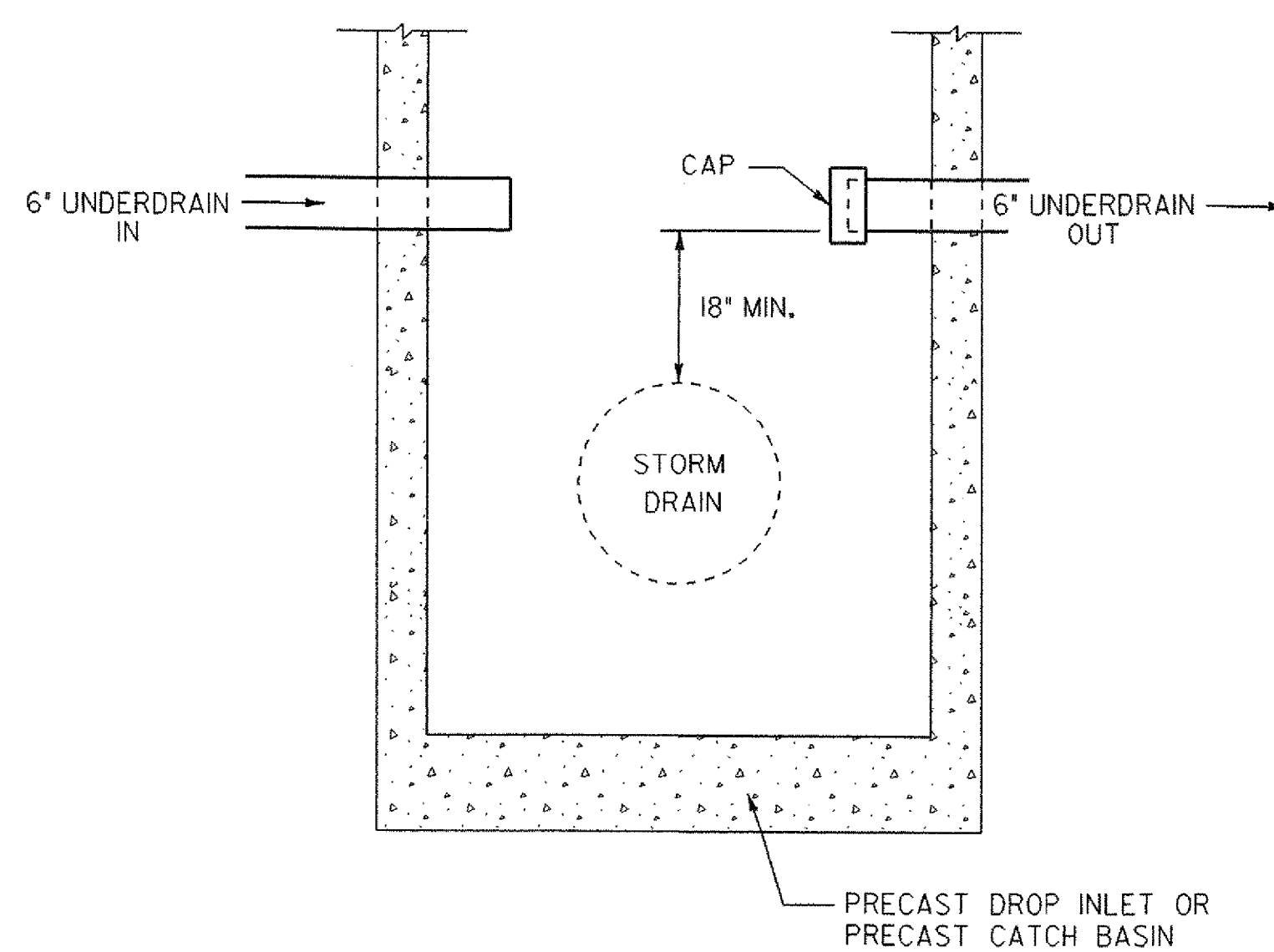
UNDERDRAIN CONNECTION AND CLEANOUT

N. T. S.



MEDIAN BARRIER DRAINAGE

N. T. S.



SECTION A-A

N. T. S.

NOTES:

1. PRECAST CATCH BASIN SECTIONS SHALL BE BUILT TO ASTM SPECIFICATION C478-88. IN ADDITION, THE FOLLOWING REQUIREMENTS SHALL BE MET:
 - A. 4000 PSI CONCRETE, 28 DAY STRENGTH
 - B. STEEL REINFORCED TO MEET ASTM SPECIFICATIONS.
 - C. STEEL REINFORCED COPOLYMER POLYPROPYLENE LADDER RUNGS AT 12" O.C.
 - D. COVER SHALL MEET H20 LOADING.
2. PRECAST DROP INLET SECTIONS SHALL BE BUILT TO ASTM SPECIFICATION C478-88. IN ADDITION, THE FOLLOWING REQUIREMENTS SHALL BE MET:
 - A. 4000 PSI CONCRETE, 28 DAY STRENGTH
 - B. STEEL REINFORCED TO MEET ASTM SPECIFICATIONS.
 - C. COVER SHALL MEET H20 LOADING.
3. CAST IRON FRAME AND GRATE, MORTAR TYPE II, CONCRETE GRADE RINGS, EXCAVATION AND BACKFILL SHALL BE PAID INCIDENTAL TO PRECAST DROP INLETS AND PRECAST CATCH BASINS.
4. 6" UNDERDRAIN, 45° ELBOWS AND CAPS SHALL BE PAID AS 6" UNDERDRAIN CARRIER PIPE.
5. CONNECTION TO EXISTING STORM DRAIN SHALL BE MADE WITH A STUB AS REQUIRED. STUB SIZES AND MATERIALS ARE TO BE AS SHOWN ON THE LAYOUT SHEETS AND THE DRAINAGE DETAIL SHEETS, OR AS DIRECTED BY THE ENGINEER.
6. EXISTING STORM DRAIN PIPES TO BE LINED ARE CALLED OUT ON THE LAYOUT PLANS. INSTALL CULVERT LINING IN EXISTING STORM DRAIN PIPES SUCH THAT LINING EXTENDS TO THE END OF THE EXISTING PIPE AND BACK THROUGH THE NEW STUB AND TO THE NEW DRAINAGE STRUCTURE.
7. CONCRETE GRADE RINGS SHALL BE USED TO SET FRAME AND GRATE TO PROPER ELEVATIONS AS REQUIRED. MAXIMUM TOTAL GRADE RING HEIGHT USED SHALL BE 12". GRADE RINGS SHALL BE MORTARED IN PLACE WITH MORTAR, TYPE II.

PROJECT NAME: WATERBURY - BOLTON

PROJECT NUMBER: IM 089 - 2(37)

FILE NAME: d05a110DET.dgn

PROJECT LEADER: A. J. BOMBARDIER

DESIGNED BY: J. L. SCHULTZ

MISC. DRAINAGE DETAILS 2

PLOT DATE: 29-MAR-2006

DRAWN BY: T. GUAZZONI

CHECKED BY:

SHEET 55 OF 80