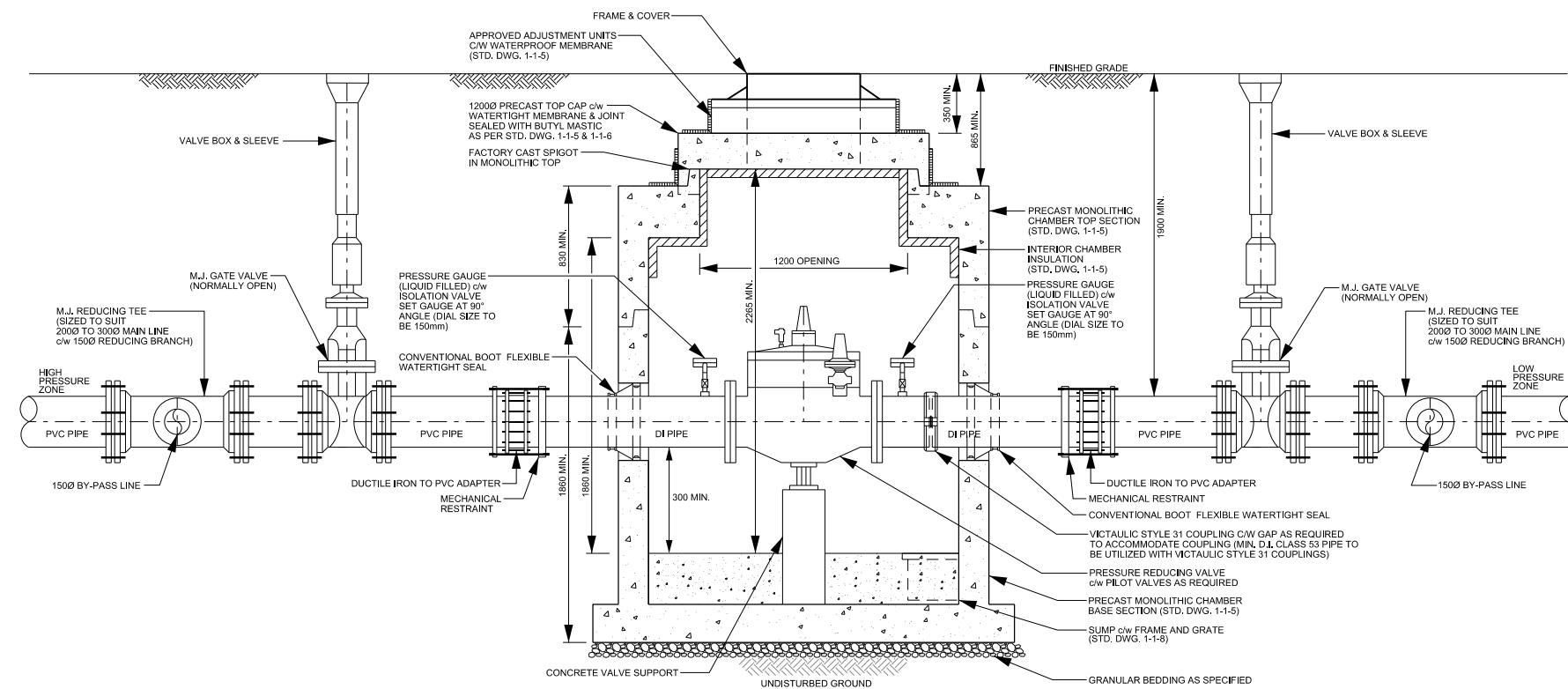


PLAN

- NOTE:
- 1) DEPTH OF COVER OVER WATERMANS AT VALVE CHAMBERS TO BE MINIMUM 1.9m. WATERMAIN PROFILE DESIGN TO ACCOUNT FOR ADDITIONAL 0.2m DEPTH REQUIRED AT CHAMBERS OVER AND ABOVE THE MINIMUM 1.7m REQUIRED FOR STANDARD PIPE INSTALLATION.
  - 2) CHAMBER TOP SLAB OPENINGS TO BE CO-ORDINATED WITH VALVE ACCESS HATCHES AND MAN ACCESS FRAME AND COVERS.
  - 3) CHAMBER LOCATIONS AND ELEVATIONS TO BE CO-ORDINATED WITH DEPTHS OF CURB & GUTTER LOCATIONS AND ROAD ELEVATION CHANGE DUE TO CROSS-FALL FROM ROAD CENTRELINE. PROVIDE MINIMUM DEPTH OF 350mm FROM FINAL GRADE TO TOP OF ACCESS CAP (CAP FOR VALVE REMOVAL) AS SHOWN.
  - 4) SHOP DRAWING SUBMISSIONS ARE REQUIRED FOR ALL CHAMBERS (AS PER STD. DWG. 1-1-0). CONTRACTOR TO FIELD VERIFY AND PROVIDE ALL CHAMBER ELEVATIONS REQUIRED INCLUDING FINAL GRADE AND PIPE INVERT AT ACTUAL CHAMBER LOCATIONS.
  - 5) REFER TO CONTRACT DESIGN DRAWINGS FOR REQUIRED VALVE OPTIONS AT EACH PROJECT-SPECIFIC VALVE CHAMBER.



SECTION A - A

- NOTE
1. MAIN-LINE VALVES TO REMAIN IN OPEN POSITION.
  2. GATE VALVE PLACED ON THE BY-PASS TO REMAIN IN THE CLOSED POSITION.
  3. ALL VALVES TO BE RESILIENT SEAT TO AWWA C509. FUSION BONDED EPOXY (FBE) SHOP COAT FINISH ON INTERIOR AND EXTERIOR OF VALVE TO AWWA C550. INTERIOR COATING TO BE FBE ANS/NSF 61 APPROVED.
  4. INTERIOR OF ALL STEEL (NOT STAINLESS STEEL) PIPE SHALL BE LIQUID EPOXY COATED TO AWWA C210 AND BE ANS/NSF 61 APPROVED. ALL EXTERIOR SURFACES SHALL BE LIQUID EPOXY COATED TO AWWA C210.
  5. INTERIOR OF ALL DUCTILE IRON PIPE AND FITTINGS IN CONTACT WITH POTABLE WATER SHALL BE CEMENT MORTAR LINED TO AWWA C104.
  6. REFER TO STD. DWG. 1-2-6 FOR TYPICAL VALVE AND PIPE SUPPORT DETAILS. PROVIDE PIPE SUPPORTS WITHIN A MAXIMUM DISTANCE OF ONE PIPE DIAMETER FROM ALL VICTAULIC COUPLINGS.
  7. ALL PIPING, FITTINGS, VALVES, APPURTENANCES AND MECHANICAL RESTRAINTS TO BE c/w DENSO PASTE, DENSO MASTIC AND DENSO TAPE OR APPROVED EQUAL, APPLIED TO MANUFACTURER'S RECOMMENDATIONS.



PUBLIC WORKS  
STANDARD DRAWING

REV. DATE: APRIL 2014

APPROVED BY	DRAWN BY
A.P.	AINLEY GROUP

PRESSURE REDUCING VALVE  
IN CHAMBER

STD. DWG. NUMBER	SCALE
1-3-17	N.T.S.