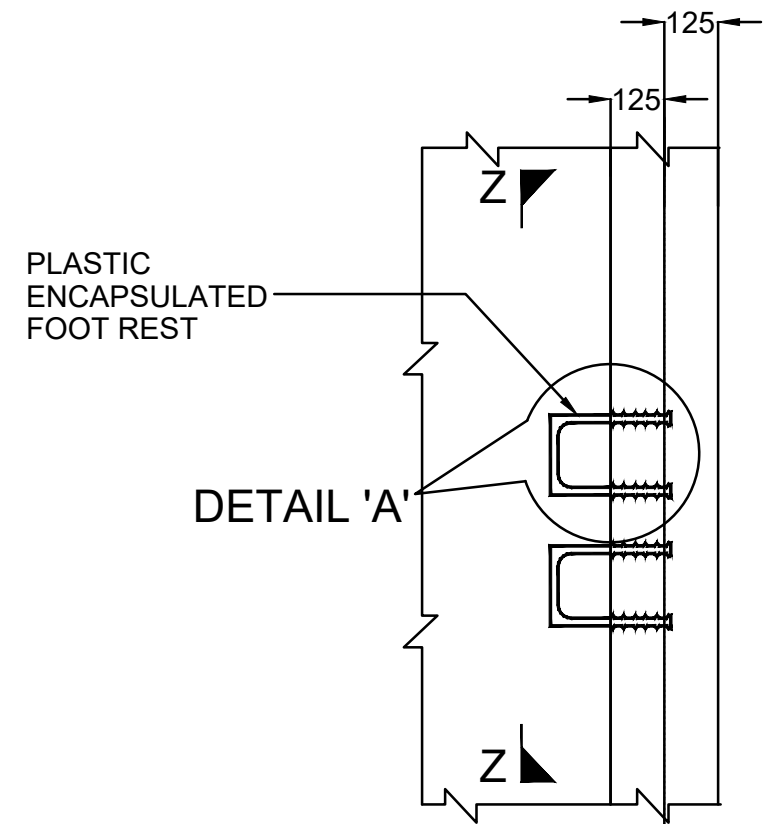
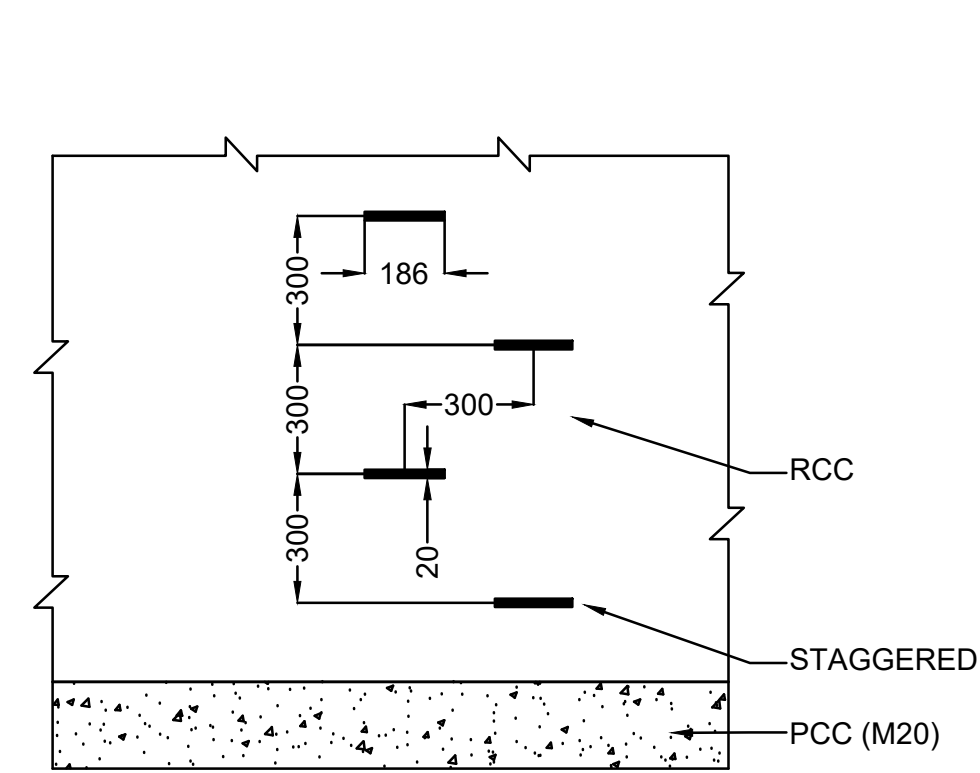


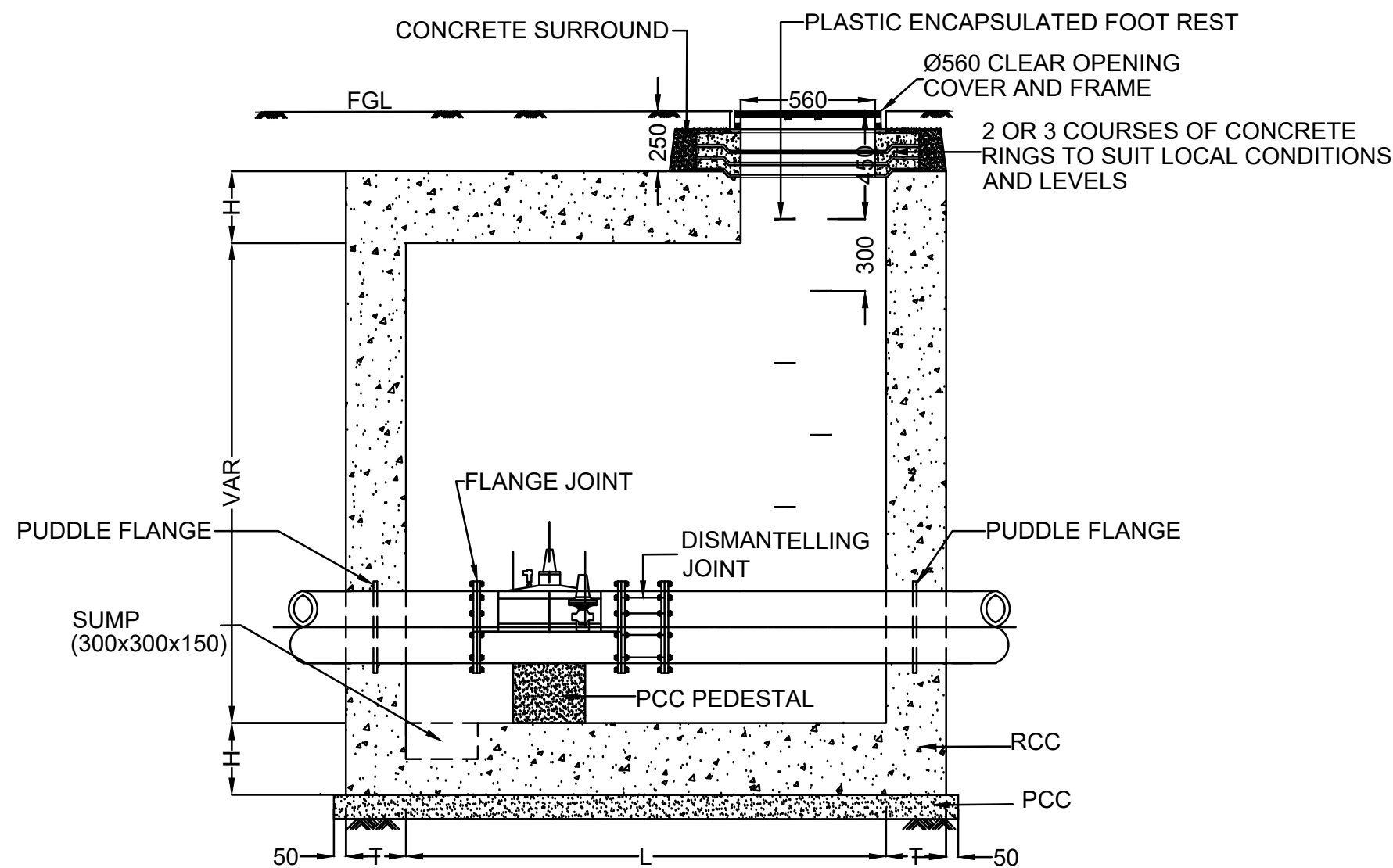
PLAN PRESSURE REDUCING VALVE
SCALE 1:35



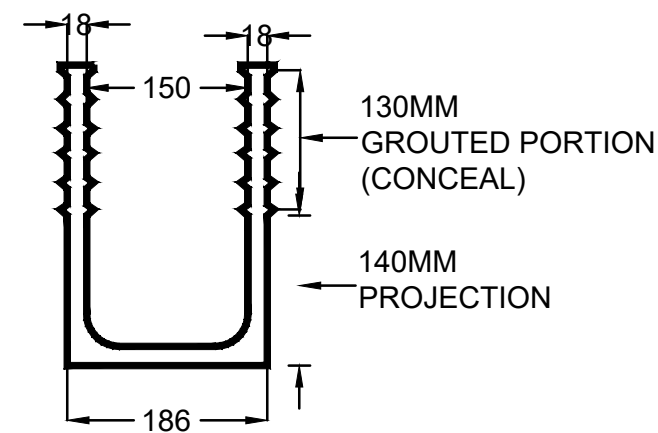
TYP. PLAN OF FOOT REST
(SCALE 1:25)



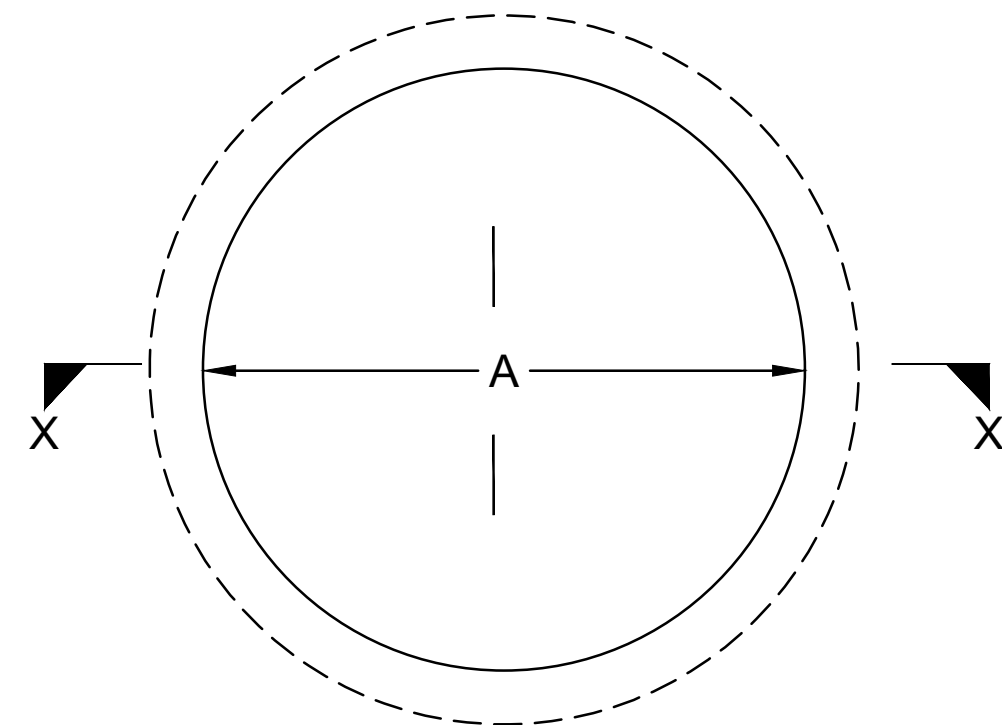
SECTION Z-Z
(SCALE 1:25)



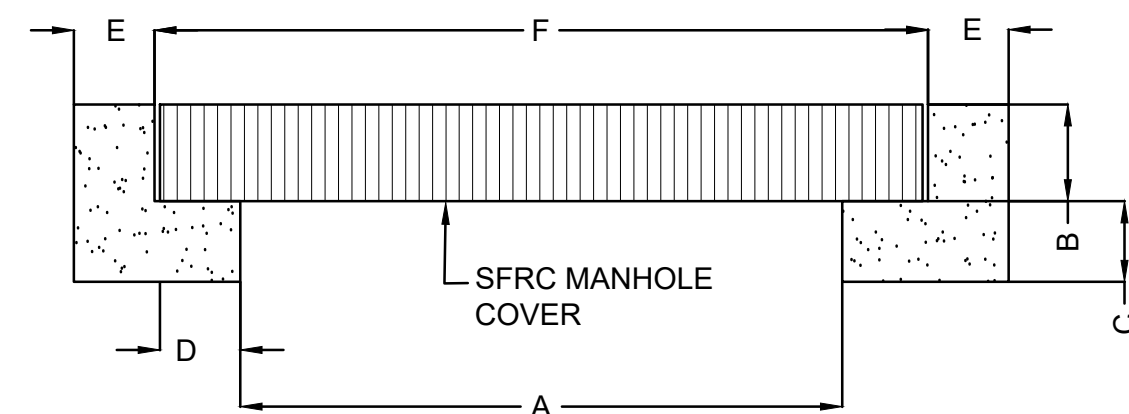
SECTION - AA
SCALE 1:35



DETAIL 'A'
(SCALE 1:10)



SFRC 560Ø MANHOLE COVER PLAN



SECTION X-X

SIZES FOR PRV

DIAMETER OF MAIN PIPE	DIA OF PRV
110 mm-125 mm	100 mm
140 mm-180 mm	150 mm
200 mm-300 mm	200 mm
350 mm-400mm	250 mm
450 mm-500mm	300 mm

PIPE DIA IN MM	L	W	T	H	REMOVABLE PRECAST CONCRETE COVER
UP TO 150	1200	1200	150	150	N/A
200-300	1300	1300	200	200	N/A
350-600	1400	1600	200	200	N/A
650-1000	2500	2000	250	300	2000X2500

MANHOLE COVER DIMENSIONS:-

MANHOLE COVER GRADE	COVER SIZE, A	B	C	D	E (Min)	F
MD-10	560 Ø	70	50	50	50	670 Ø
HD-20	560 Ø	90	75	75	75	720 Ø
EHD-35	560 Ø	100	75	75	75	720 Ø

NOTES:-

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
- ALL LEVELS ARE IN METRES RELATIVE TO MEAN SEA LEVEL (MSL)
- ALL BACKFILL AND EMBEDMENT SHALL BE COMPACTED TO 95% OF PROCTOR DENSITY AS PER SPECIFICATION.
- STRUCTURE SHALL BE FOUNDON ON FIRM GROUND. ANY LOOSE FILL UNDERNEATH STRUCTURE SHALL BE REPLACED BY P.C.C BEFORE INSTALLATION OF STRUCTURE.
- ALL EXCAVATION WORK SHALL CONFORM TO IS 3764:1992 - CODE OF SAFETY.
- FOR PLASTIC ENCAPSULATED FOOT REST:-
 - MINIMUM 3 MM THICK POLYPROPYLENE COPOLYMER IS INJECTION MOULDED AROUND A 12 MM DIAMETER TOR-STEEL BAR.
 - PROTRUDING LEGS HAVE A 2 MM TREAD ON TOP SURFACE BY DOTS FOR PROVIDING AN ANTISKID SURFACE.
 - POLYPROPYLENE COPOLYMER CONFORMING TO IS - 10910.
- STRUCTURE SHALL BE FOUNDON ON FIRM GROUND. ANY LOOSE FILL UNDERNEATH STRUCTURE SHALL BE REPLACED BY P.C.C BEFORE INSTALLATION OF STRUCTURE.
- DETAILS OF MANHOLE COVER (& FRAME) SHALL BE ADJUSTED BY THE CONTRACTOR AS PER SPECIFICATION.
- DEPTH OF THE VALVE CHAMBERS SHALL BE INCREASED SUITABLY TO AVOID INTERFERENCE WITH OTHER UTILITIES AT SITE.
- THE WALL THICKNESS AND SLAB THICKNESS SHOWN IN THE DRAWING ARE INDICATIVE. THE CONTRACTOR SHALL CARRY OUT DETAILED STRUCTURAL DESIGN AND SUBMIT THE SHOP DRAWINGS FOR APPROVAL.
- REMOVABLE PRECAST CONCRETE COVER WITH CLEAR OPENING OF 2000X2000 SHALL BE PROVIDED FOR CHAMBERS WITH WIDTH > 2000 MM.
- COVER SLAB TO BE PRE-CASTED AND PROVIDED WITH LIFTING HOOKS AND SURFACE BOX TO BE INSTALLED STRAIGHT ABOVE VALVE SPINDLE.
- THIS DRAWING IS INDICATIVE ONLY, CONTRACTOR SHALL PREPARE AND SUBMIT DETAILED DRAWING SHOWING PIPING, TYPE OF FOUNDATION, REINFORCEMENT BARS, EXACT LOCATION OF VALVES, LADDER, ACCESS COVERS, DETAIL OF WATER PROOFING ETC. AND REQUIRED STRUCTURAL CALCULATIONS CONSIDERING PIPE ANCHOR FORCES, UPLIFT DUE TO GROUND WATER ETC. FOR APPROVAL OF ENGINEER.

LEGEND:-

- FGL - FINISHED GROUND LEVEL
 RCC - REINFORCED CEMENT CONCRETE
 PCC - PLAIN CEMENT CONCRETE
 SFRC - STEEL FIBER REINFORCED CONCRETE

FOR TENDER

CLIENT



MAHARASHTRA INDUSTRIAL TOWNSHIP LTD (MITL)

PROJECT

DESIGN, CONSTRUCTION, TESTING, COMMISSIONING AND OPERATION & MAINTENANCE OF INFRASTRUCTURE WORKS AT DIGHI PORT INDUSTRIAL AREA (DPIA)- PHASE 1 UNDER DELHI MUMBAI INDUSTRIAL CORRIDOR (DMIC) ON EPC BASIS

TITLE
TYPICAL DETAILS OF PRESSURE REDUCING VALVE CHAMBERS-WATER SUPPLY

PROJECT CODE: D11628 STATUS: ISSUED FOR TENDER DATE: 18.12.2024

SHEET NO: 01 SCALE: NTS DWG SIZE: A3 REV NO: R0

DRAWING NO: MITL-DPIA-PKG1-WS-01