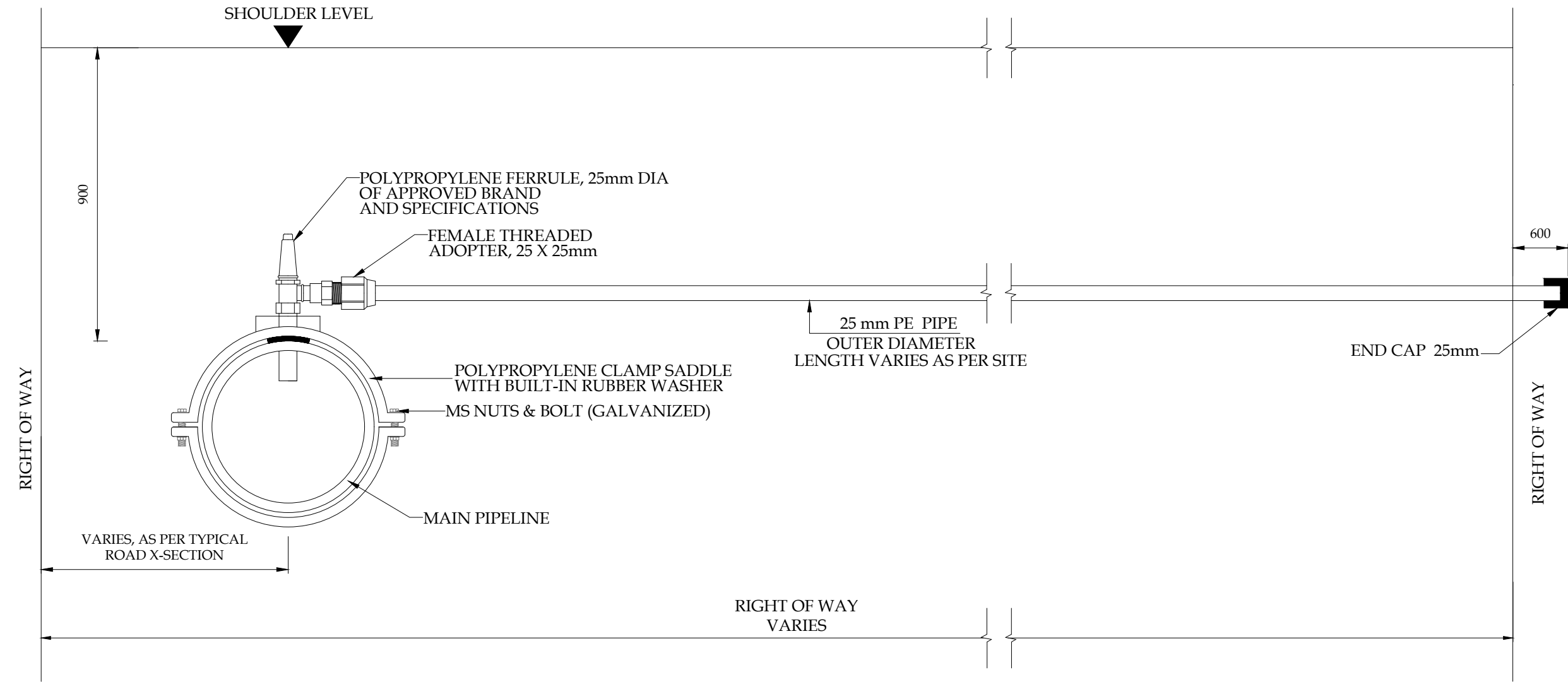
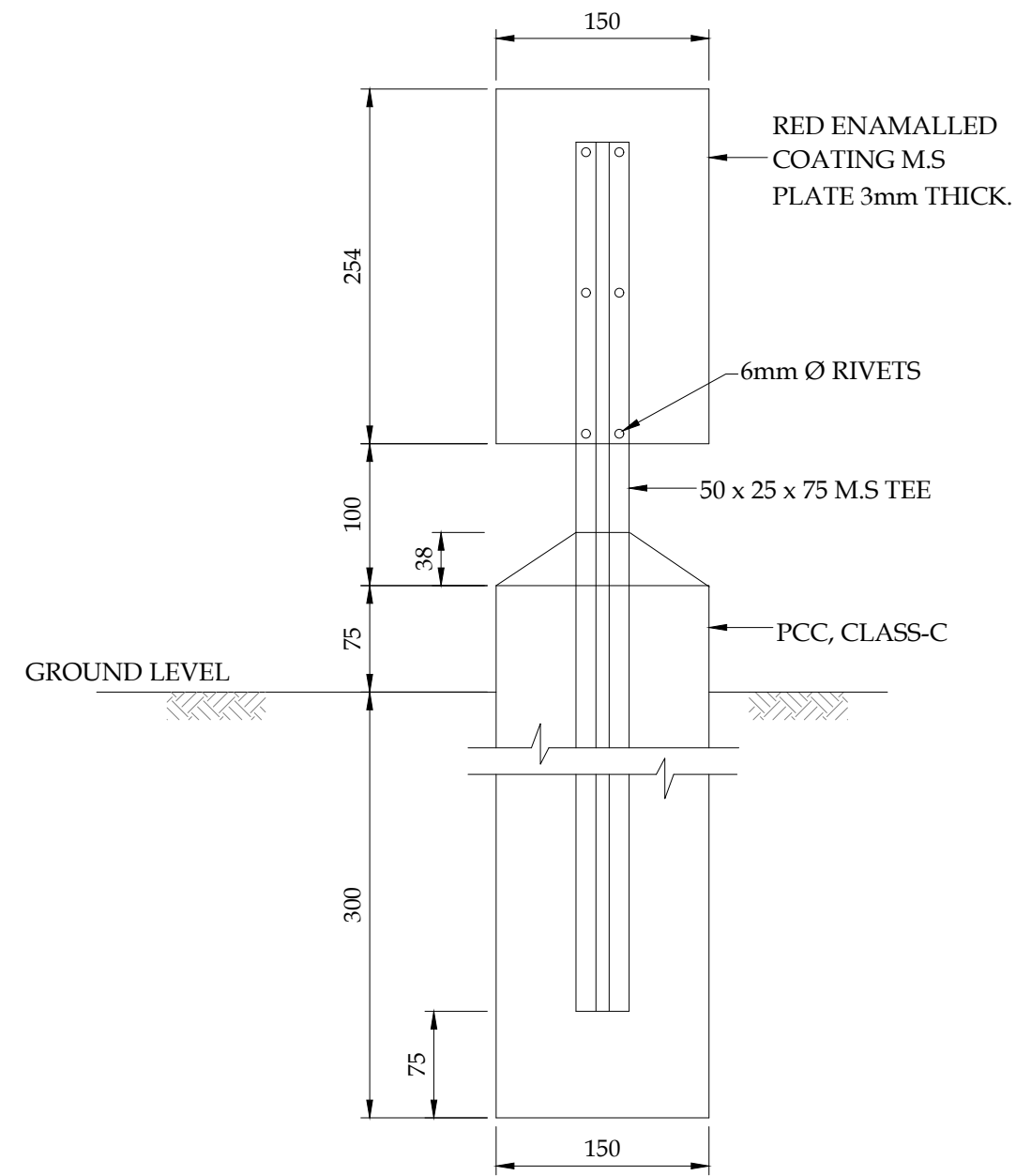




WATER CONNECTION DETAIL

NOTE:

A CONNECTION OF 25mm IS TO BE ADOPTED FOR INDUSTRIAL PLOTS;



INDICATION PLATE
(FOR GATE VALVE, FIRE HYDRANT, AIR VALVE
AND WASHOUT VALVE)

PROJECT:
PAKISTAN INDUSTRIAL DEVELOPMENT CORPORATION (PIDC)
INFRASTRUCTURE DEVELOPMENT & ALLIED WORKS AT
NAUSHAHRO FEROZE INDUSTRIAL PARK, NAUSHAHRO FEROZE
ROAD NETWORK, BOUNDARY WALL & GATE, WATER SUPPLY &
SEWERAGE NETWORK AND ELECTRICAL INFRASTRUCTURE

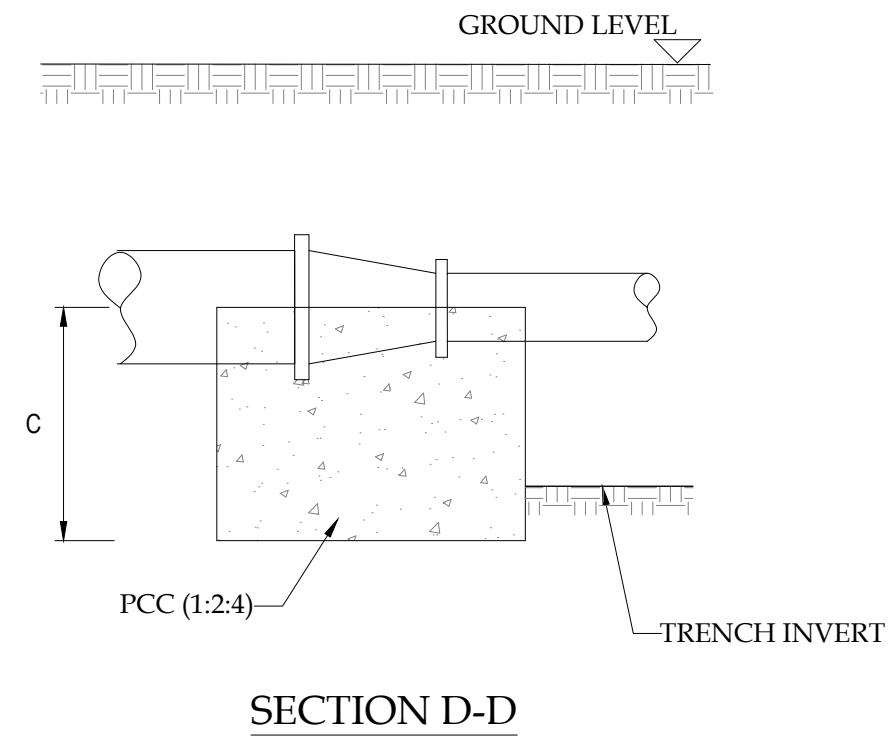
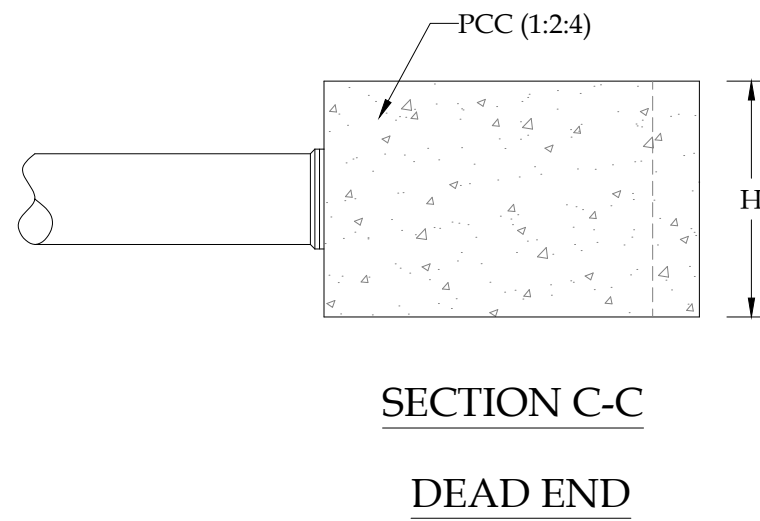
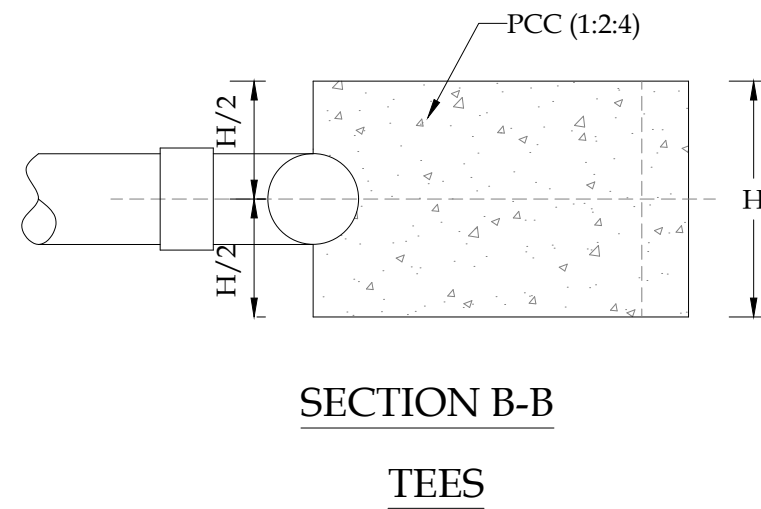
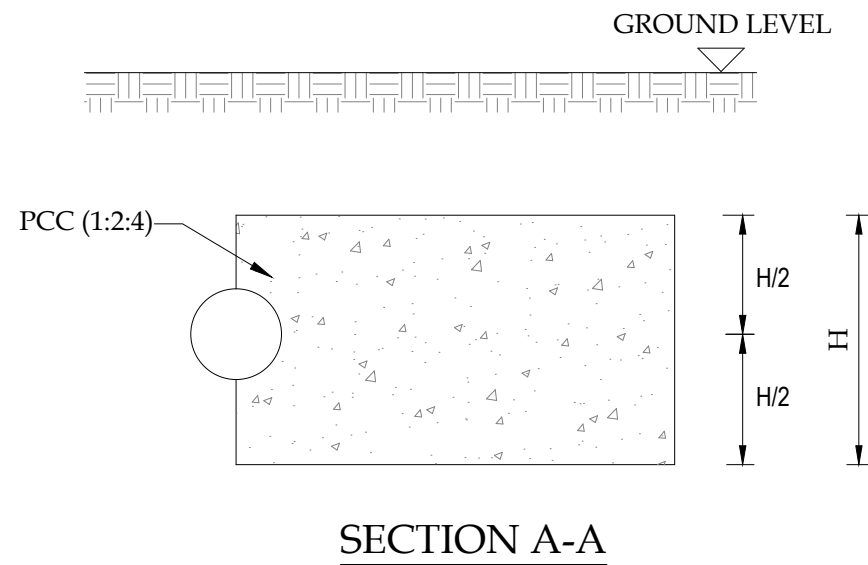
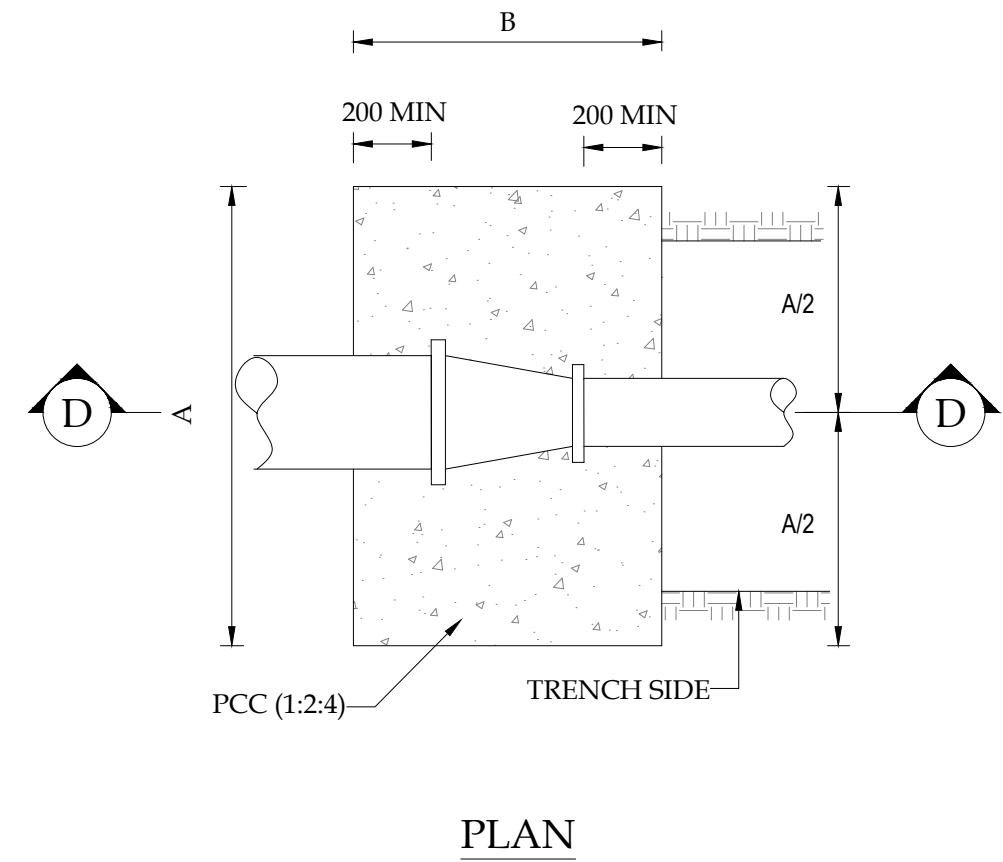
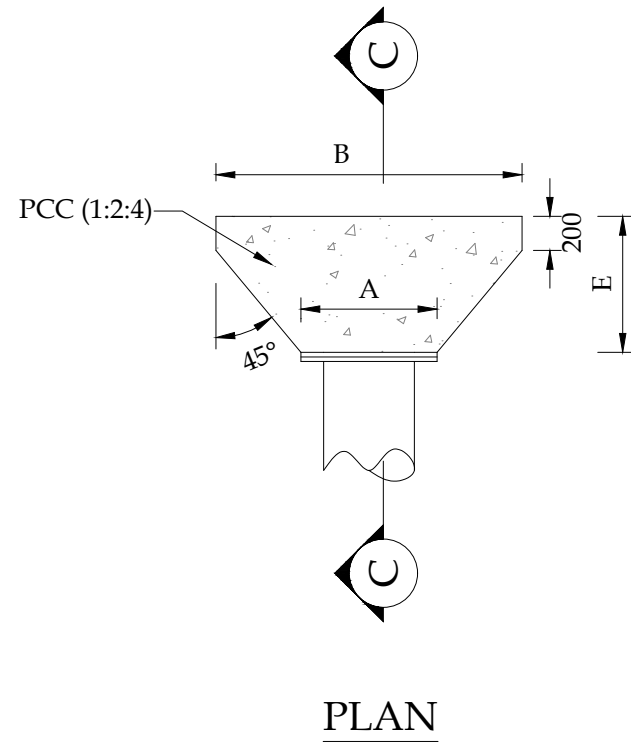
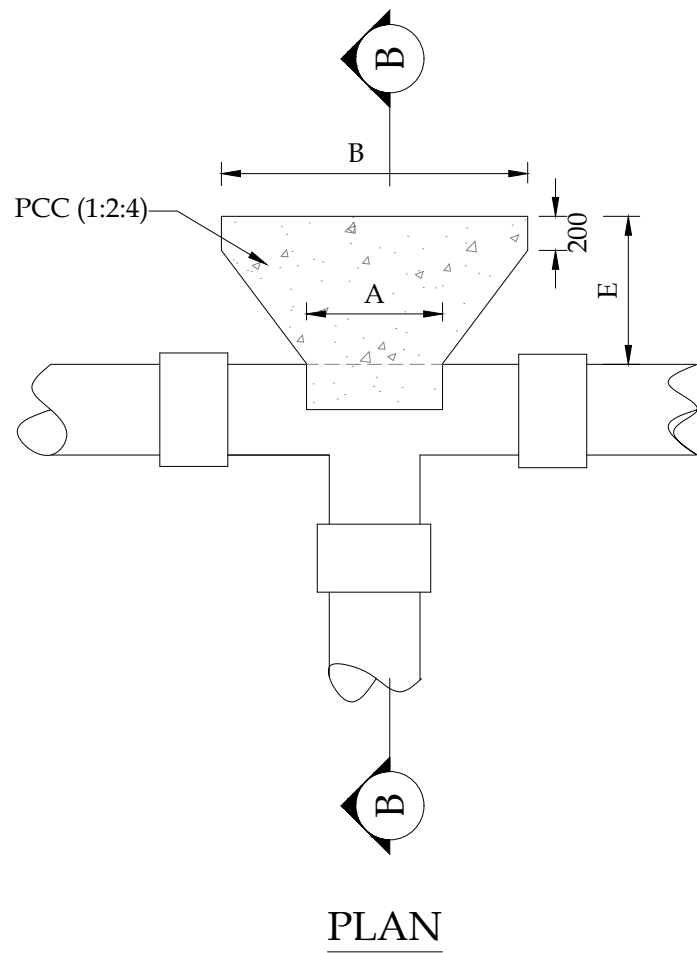
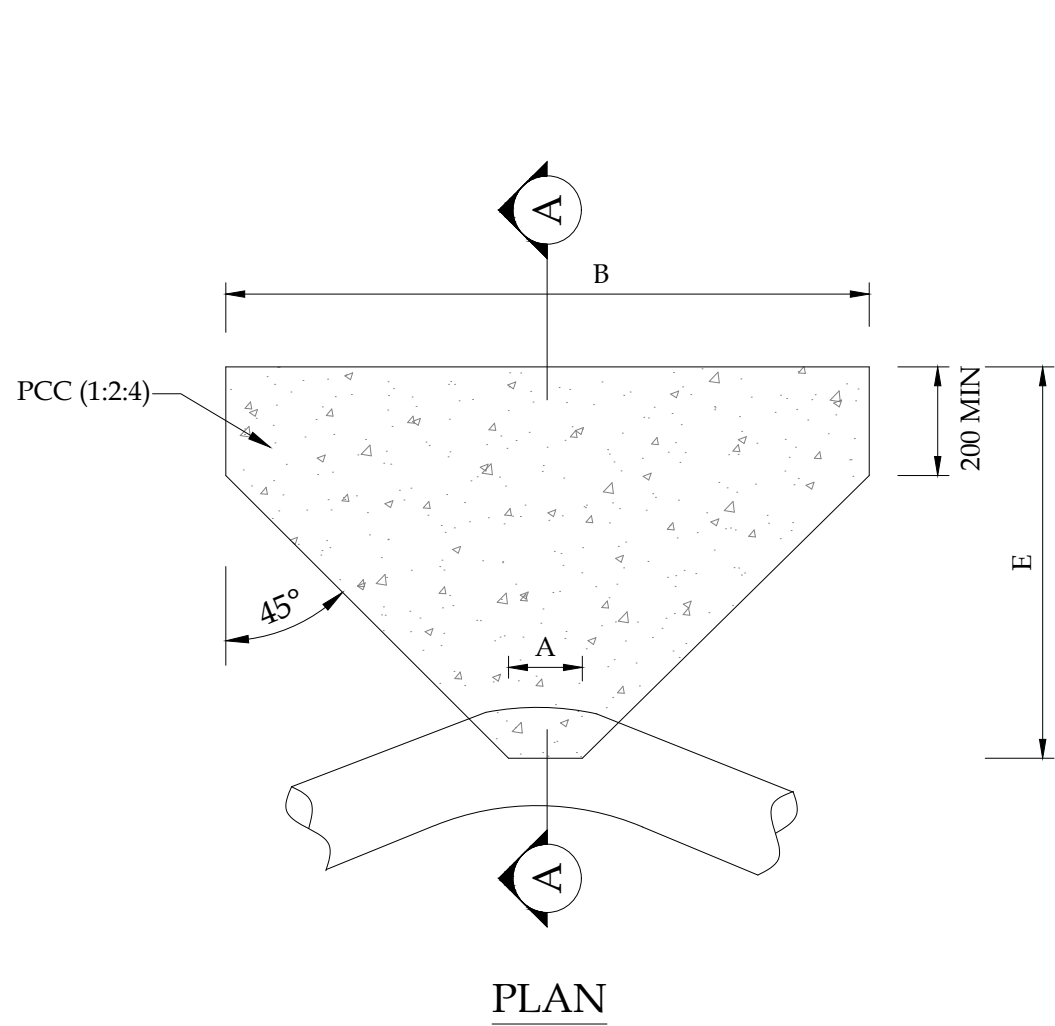
DRAWING TITLE:
WATER SUPPLY SYSTEM
TYPICAL DETAILS
SERVICE CONNECTION - I & II

DATE	DESCRIPTION	DRAWN	DESIGNED	APPROVED
22-12-2021	TENDER DRAWINGS	USMAN	ENGR. HASEEB	ENGR. ARSLAN

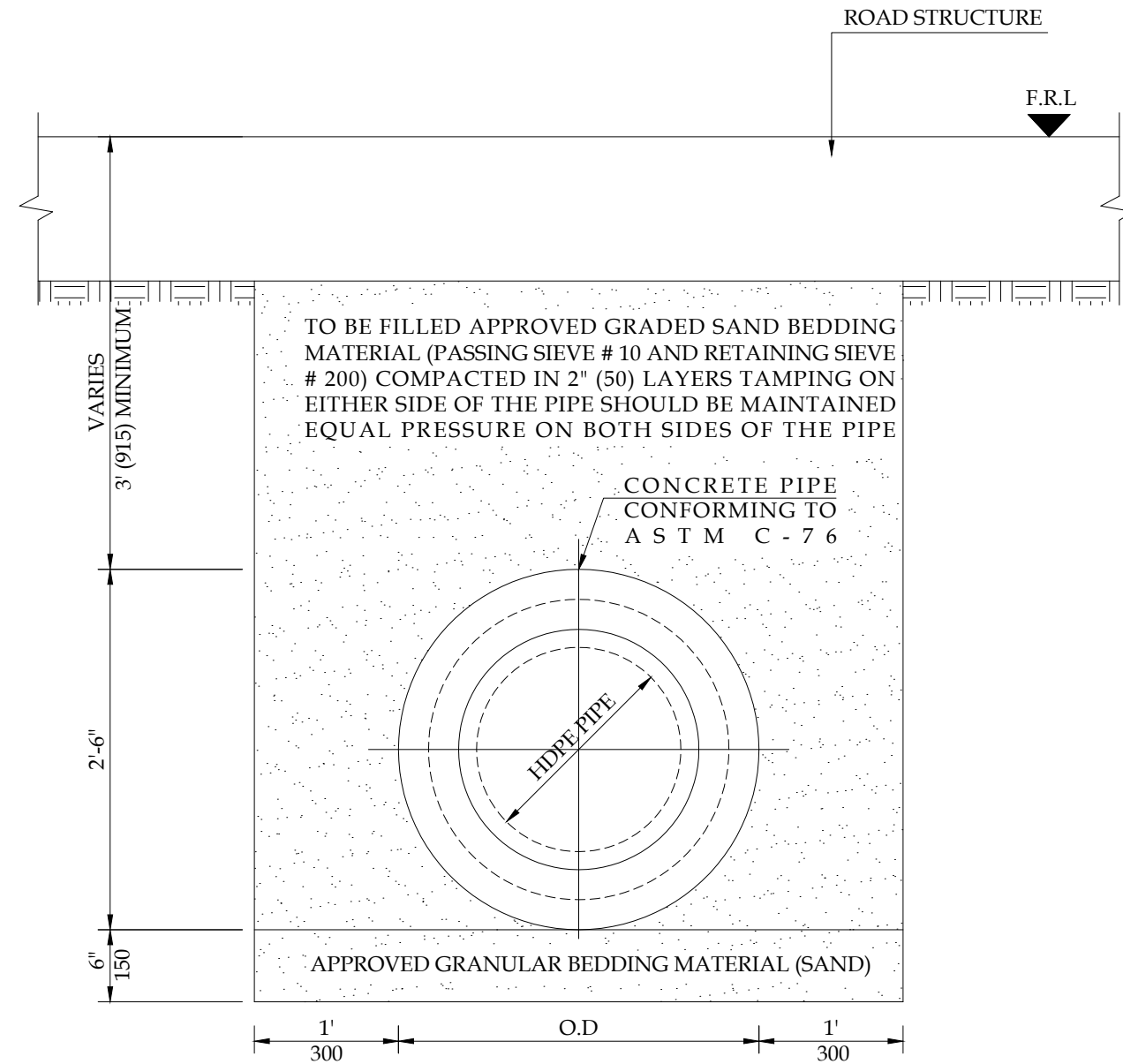
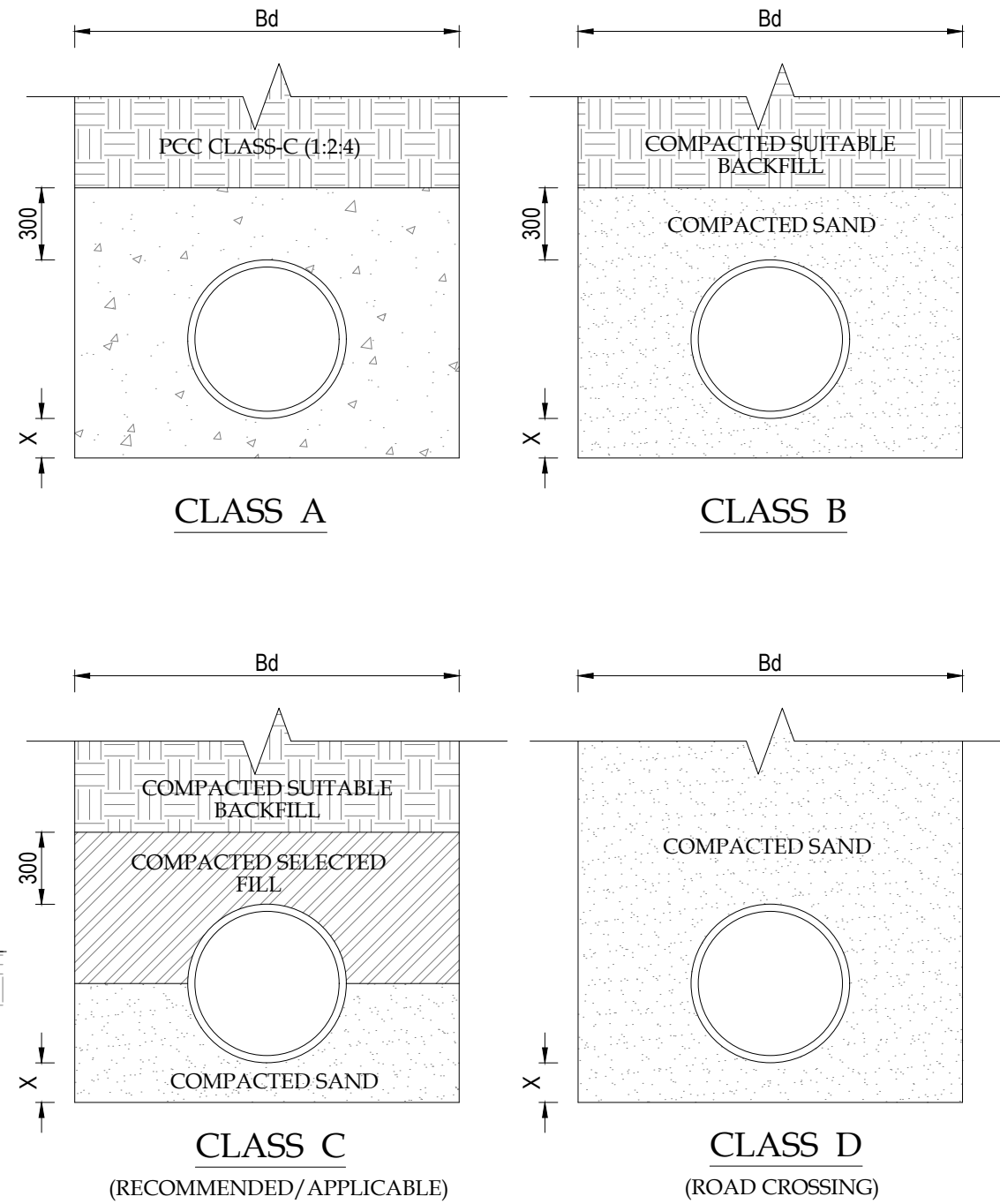
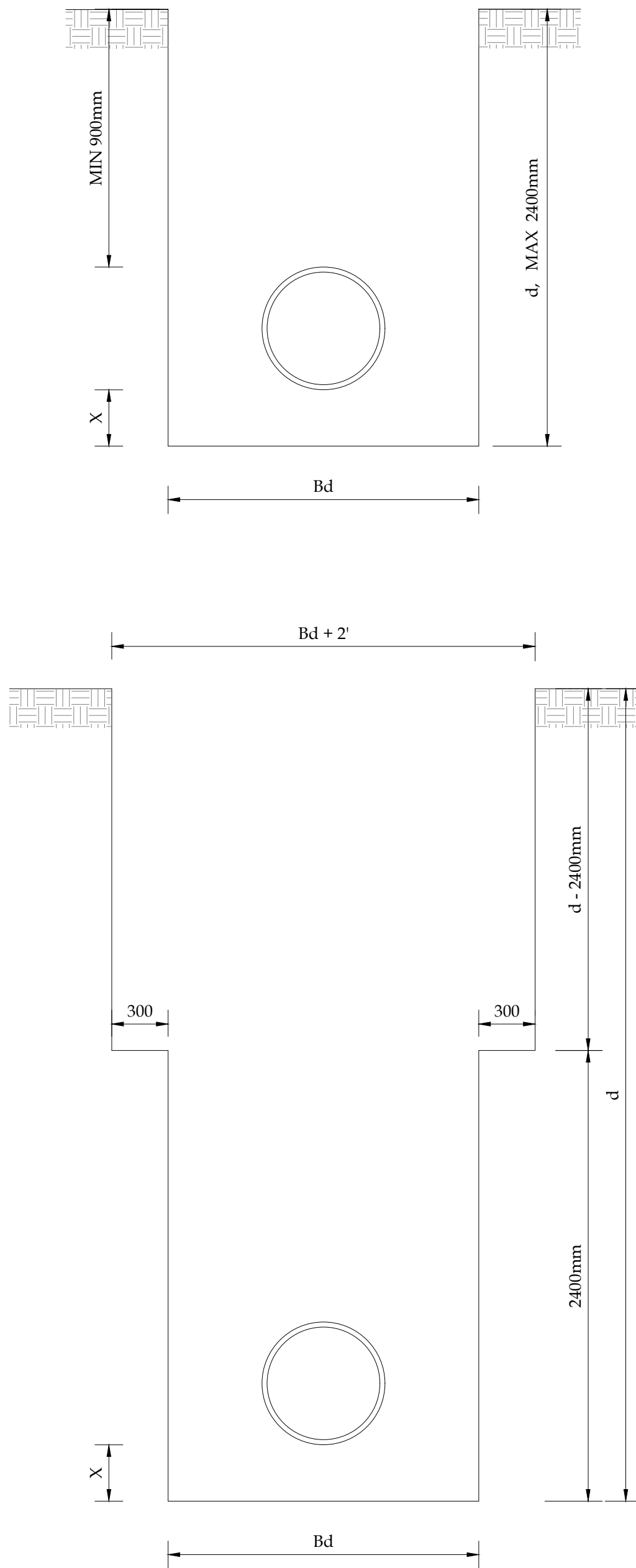
DRAWING N°:	SHEET	REV
NFIP-WS-TD-03	--	00

CLIENT:
PAKISTAN INDUSTRIAL DEVELOPMENT
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PAKISTAN.
PHONE: 021-3568-5041-9

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ASIAN CONSULTING ENGINEERS PVT.(LTD)
C-3 JHELMUM BLOCK, GREEN FORT-II, LAHORE, PAKISTAN
TELEPHONE: +92 42 35450914-5 +92 32-142-71101
FAX: +92 42 35450916 WEB: www.asiancon.com



TYPICAL DETAILS THRUST					
PIPE DIA (mm)	BEND	11.25 °	22.50 °	45.00 °	90.00 °
90	H	450	450	450	450
	A	150	150	150	200
	B	300	300	300	400
	E	275	275	275	300
110	H	450	450	450	450
	A	150	150	225	300
	B	300	300	375	600
	E	275	275	275	350

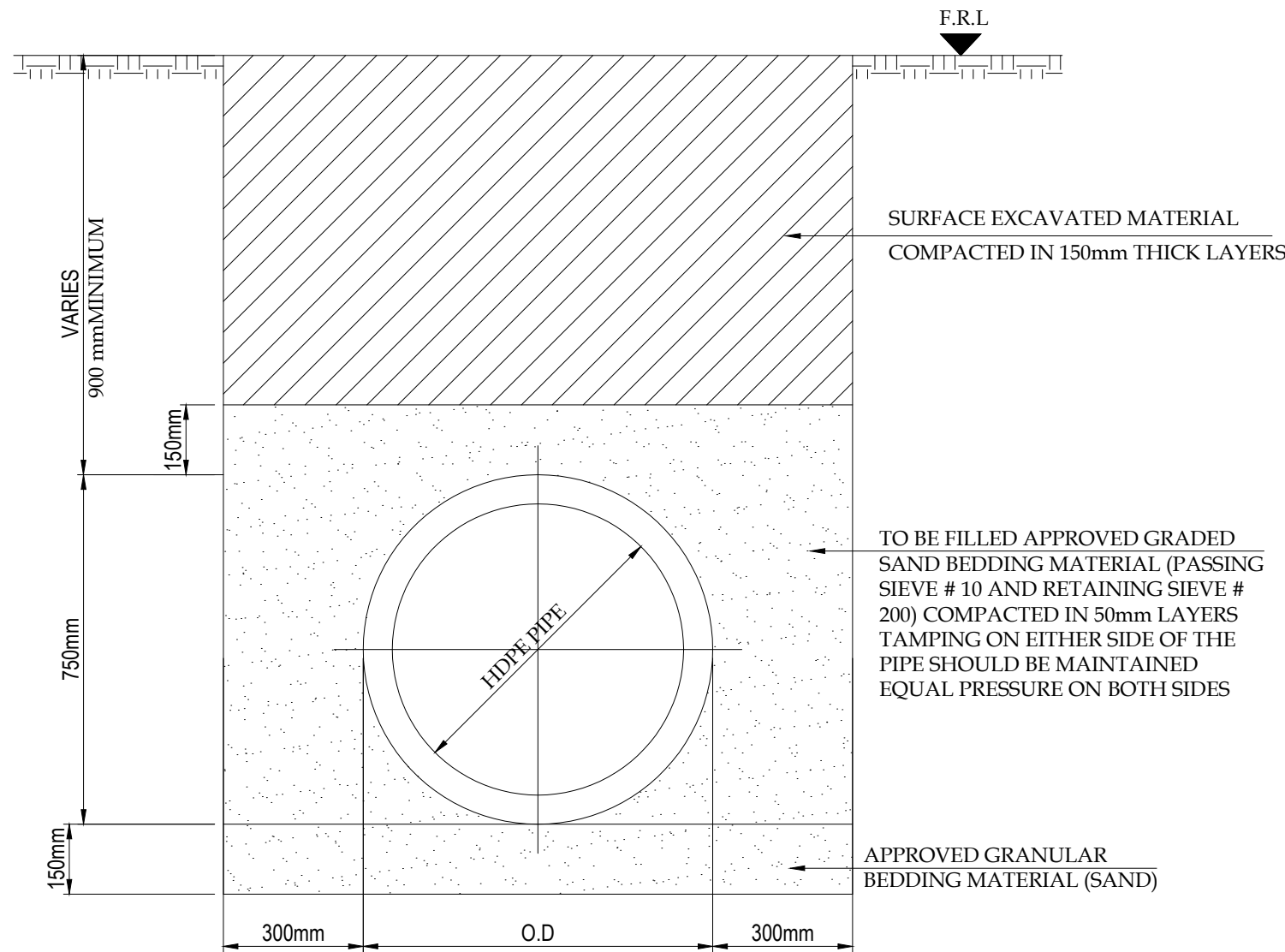


ENCASEMENT OF HDPE PIPE AT ROAD CROSSING

ENCASEMENT OF HDPE PIPE BY R.C.C PIPE SLEEVE AT ROAD CROSSING

DIA OF HDPE PIPE	DIA OF R.C.C PIPE SLEEVE
50mm	150mm
100mm	250mm/225mm
150mm	300mm
200mm	375mm
250mm	450mm
300mm	450mm

PIPE DIA	TRENCH WIDTH (Bd)	X
90mm-180mm	450 mm	100 mm
200mm	600 mm	100 mm
250mm	600 mm	125 mm
280mm	600 mm	150 mm
315mm	750 mm	175 mm
355mm	750 mm	200 mm



TYPICAL DETAIL OF TRENCH HDPE

LAP LENGTH (INCHES)FOR GRADE 60,
UNCOATED,OTHER THAN TOP BARS

BAR NO.	F'C (NORMAL WEIGHT CONCRETE) , PSI	
	3000	4000
3	21	18
4	27	24
5	36	30
6	42	36
7	63	54
8	72	63

LAP LENGTH INCHES)FOR
GRADE 60, UNCOATED TOP BARS

BAR NO.	F'C (NORMAL WEIGHT CONCRETE) , PSI	
	3000	4000
3	27	24
4	39	33
5	48	42
6	54	48
7	81	72
8	93	81

DEVELOPMENT LENGTH (INCHES)
IN TENSION OF TOP BARS

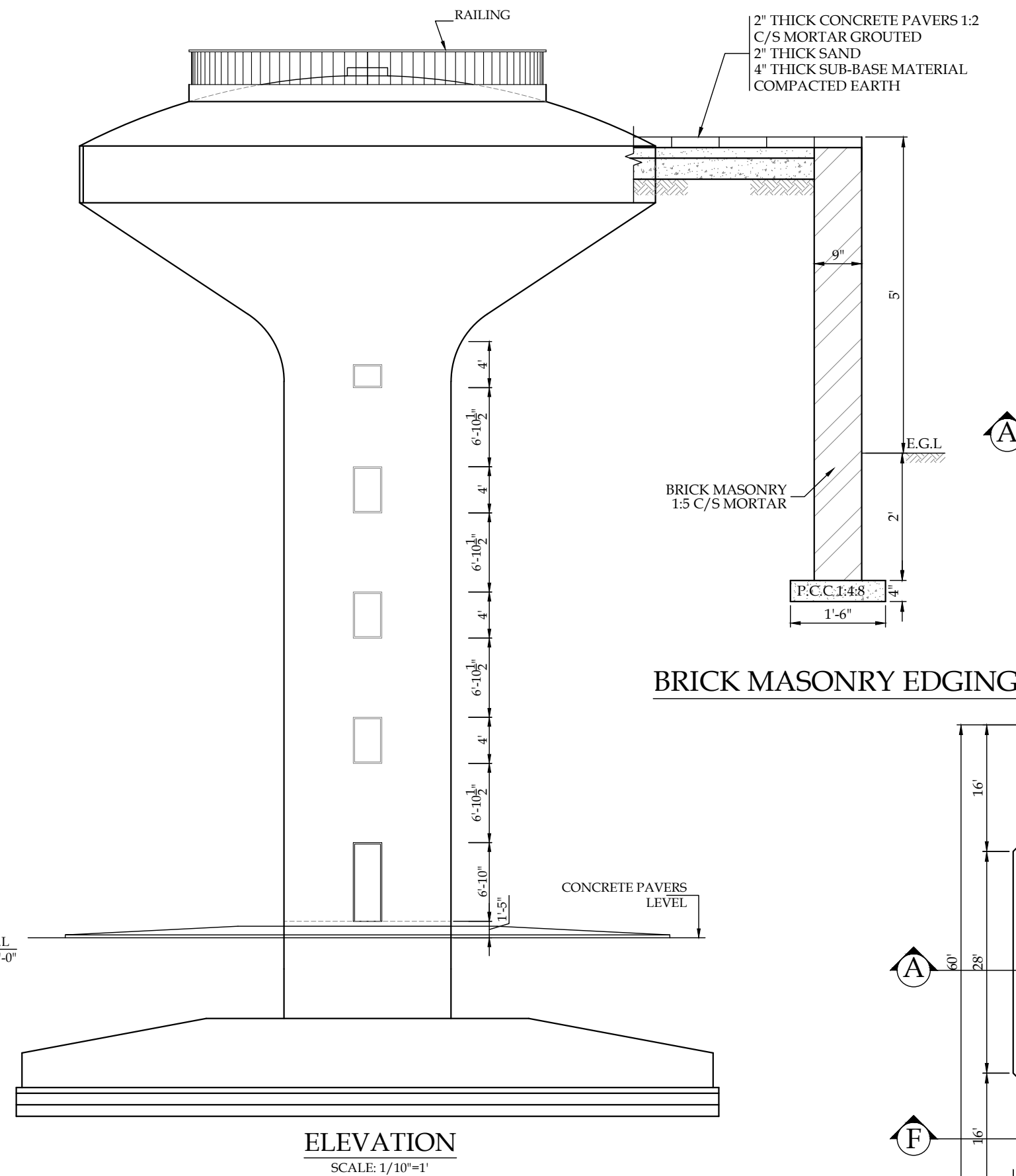
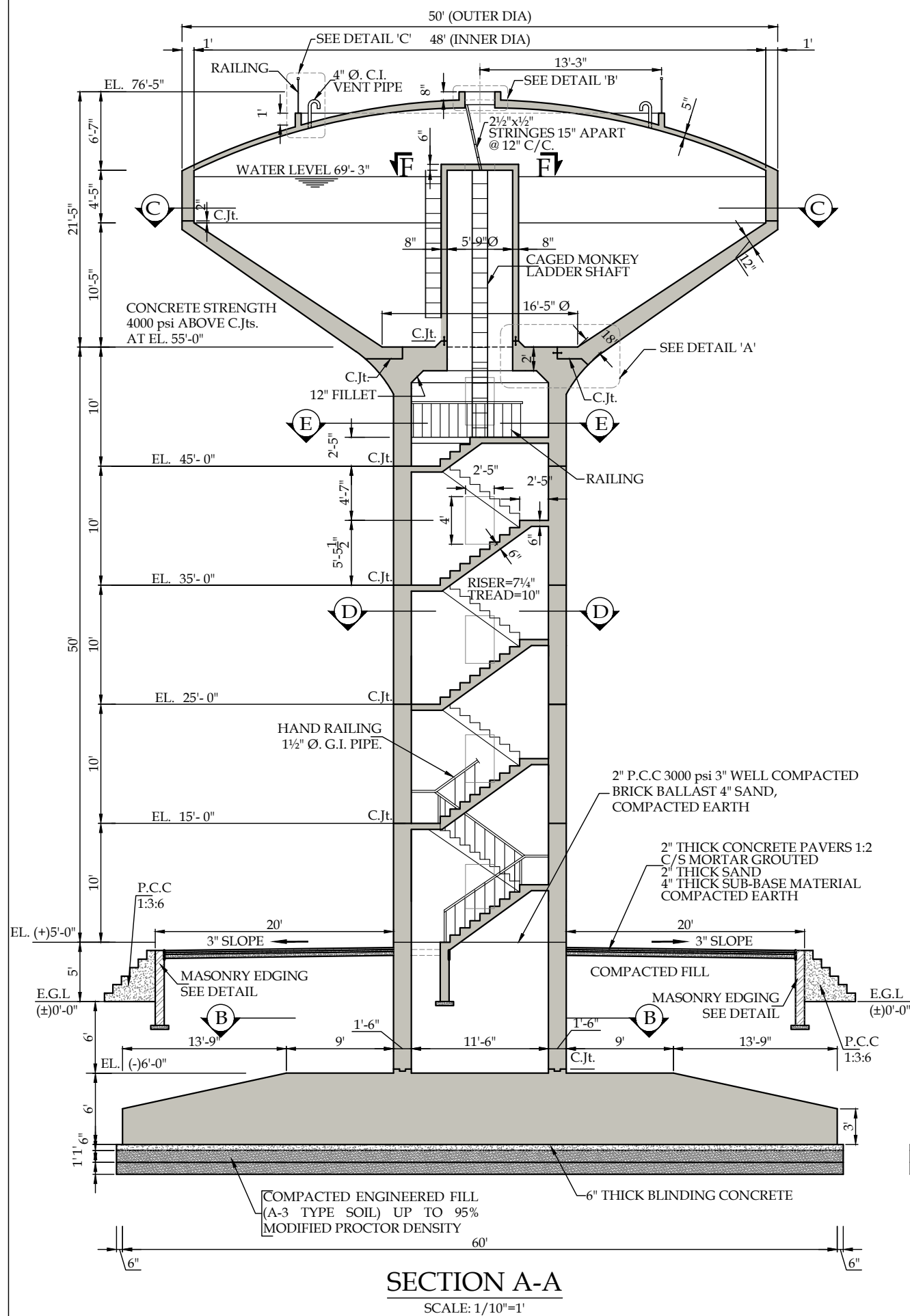
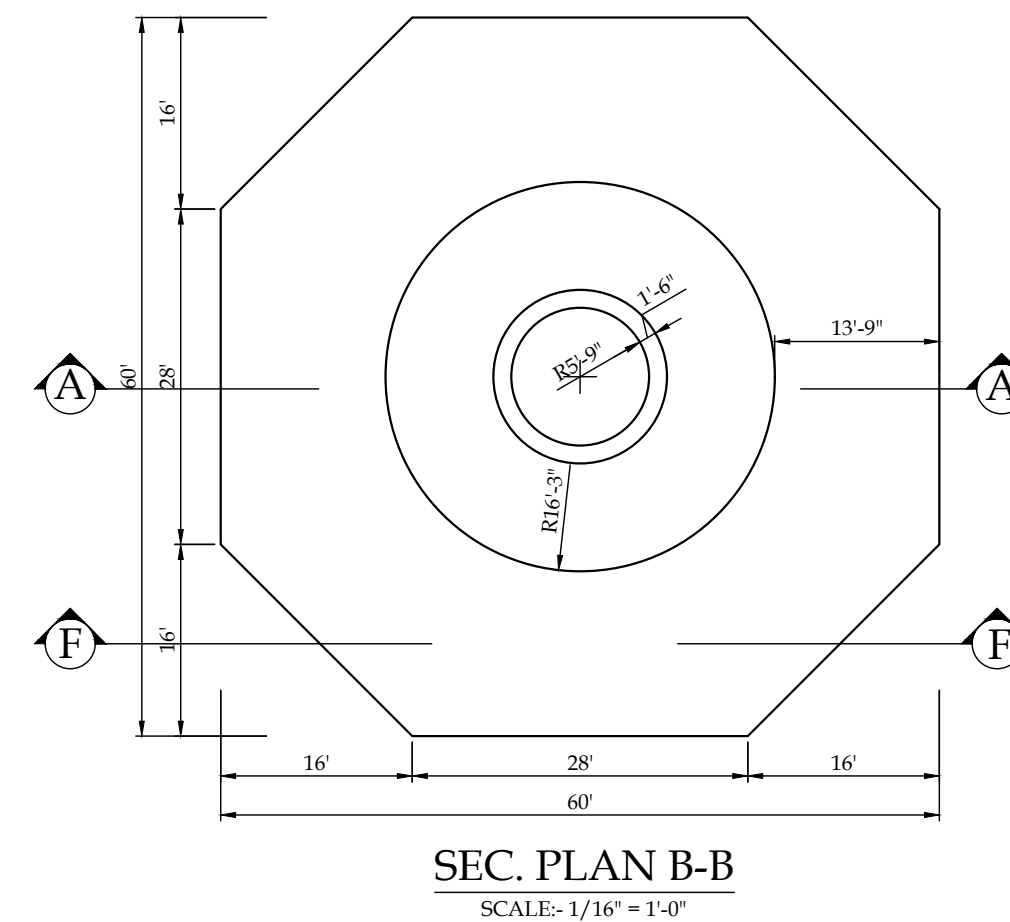
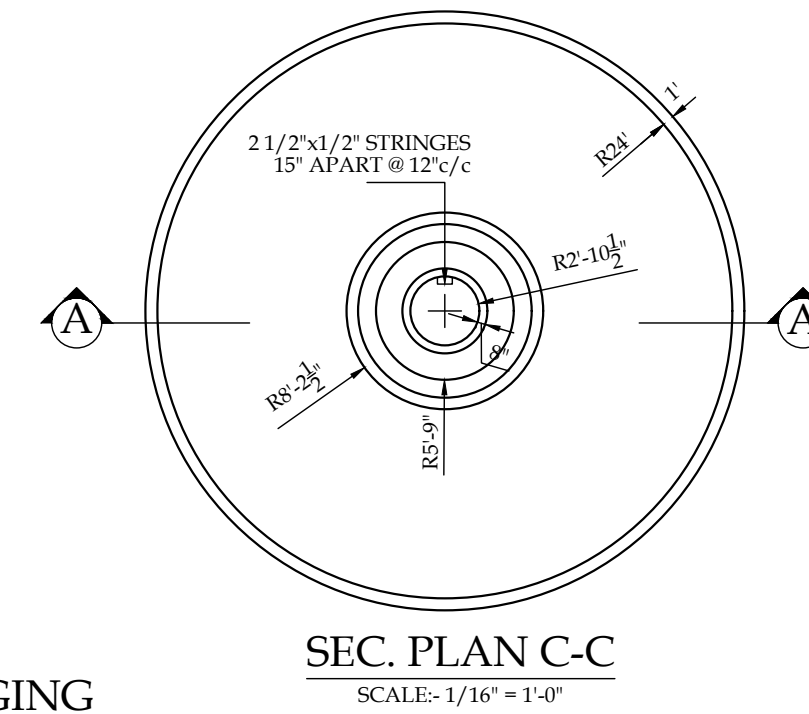
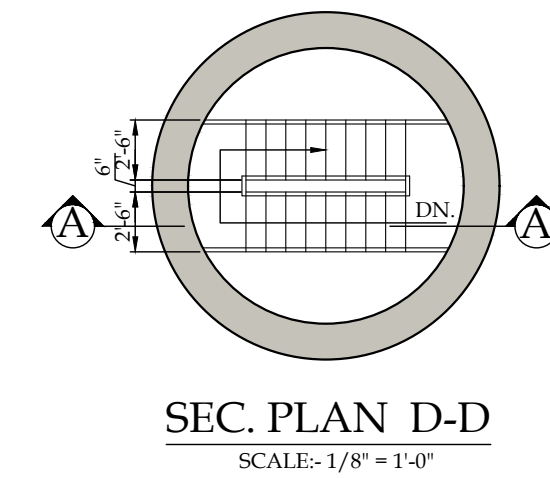
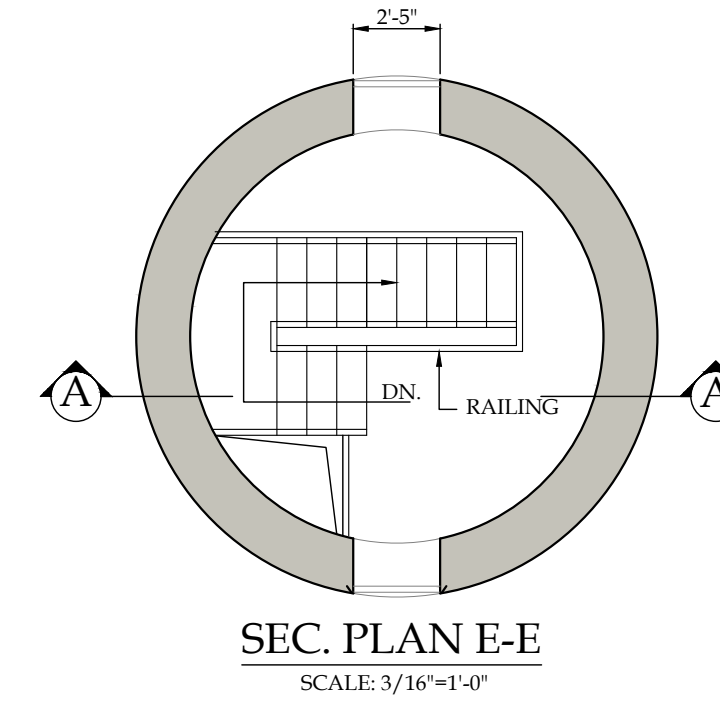
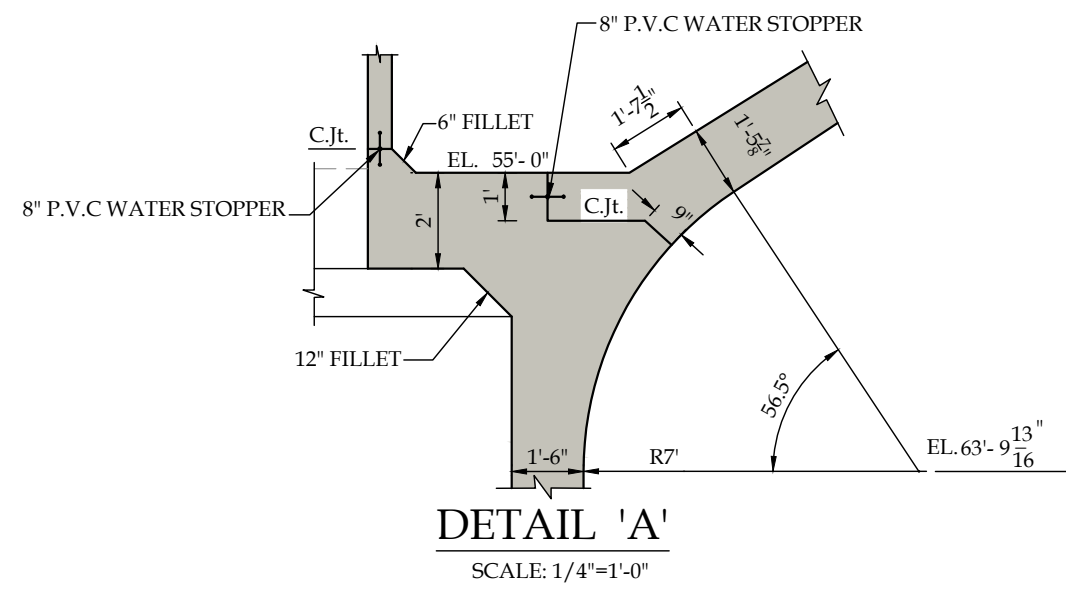
BAR NO.	F'C (NORMAL WEIGHT CONCRETE) , PSI	
	3000	4000
3	21	18
4	30	24
5	36	33
6	42	36
7	63	54
8	72	63

DEVELOPMENT LENGTH (INCHES)
IN TENSION OF BOTTOM BARS

BAR NO.	F'C (NORMAL WEIGHT CONCRETE) , PSI	
	3000	4000
3	18	15
4	21	18
5	27	24
6	33	30
7	48	42
8	54	48

DEVELOPMENT LENGTH ldh (INCHES) OF STANDARD
HOOKS FOR UNCOATED GRADE 60 BARS*

BAR NO.	F'C (NORMAL WEIGHT CONCRETE) , PSI					
	3000	4000	5000	6000	8000	



BRICK MASONRY EDGING

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ROAD NETWORK, BOUNDARY WALL & GATE, WATER SUPPLY &
SEWERAGE NETWORK AND ELECTRICAL INFRASTRUCTURE

DRAWING TITLE:
**WATER SUPPLY SYSTEM
OVER HEAD WATER TANK
PLAN SECTIONAL & ELEVATION**

DATE	DESCRIPTION	DRAWN	DESIGNED	APPROVED
22-12-2021	TENDER DRAWINGS	FIDA	ENGR. UMAR	

SEWERAGE SYSTEM

