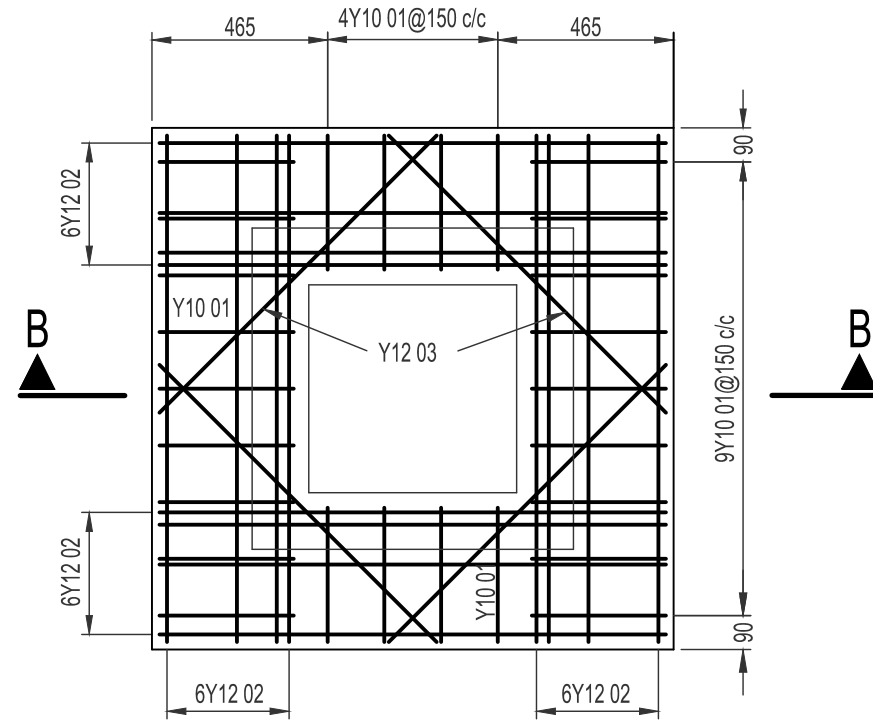
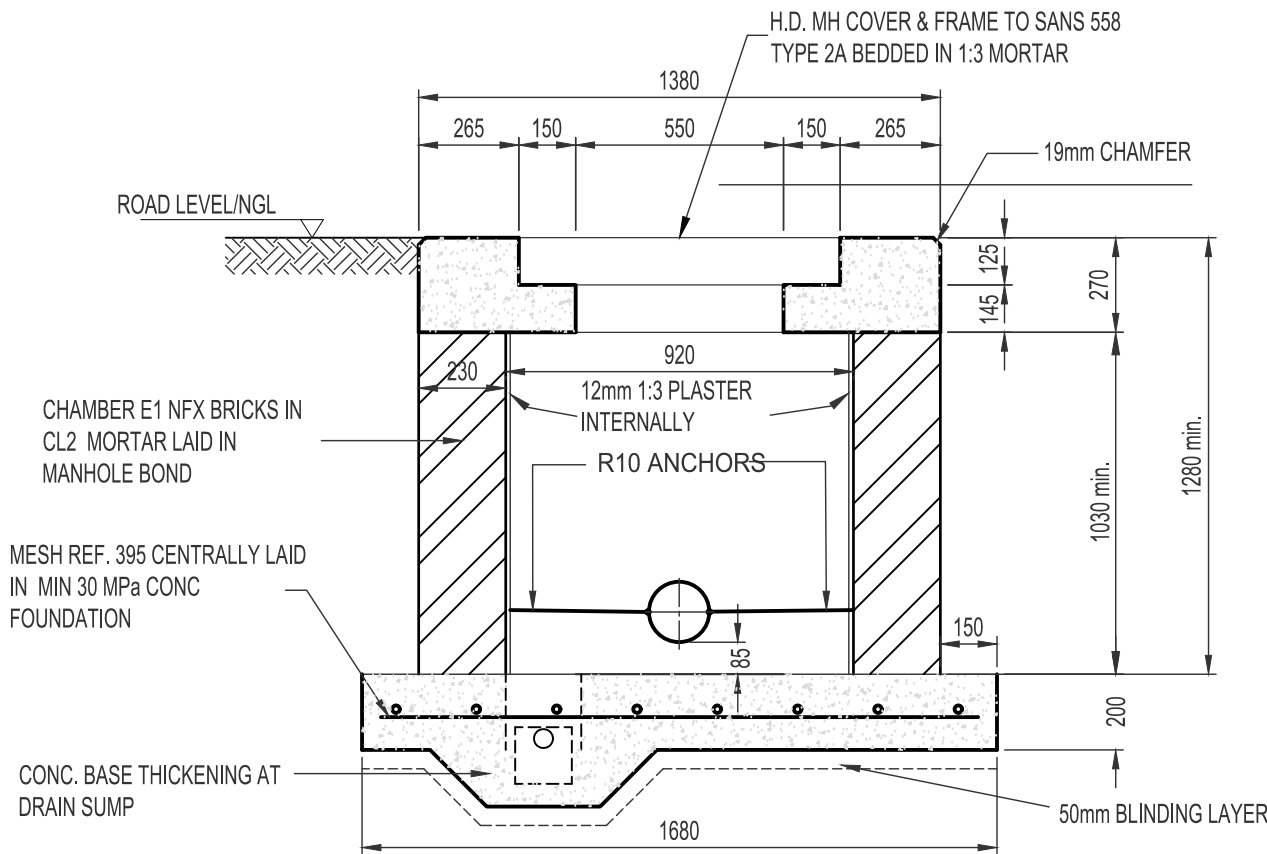


SECTION B - B
SCALE 1:20

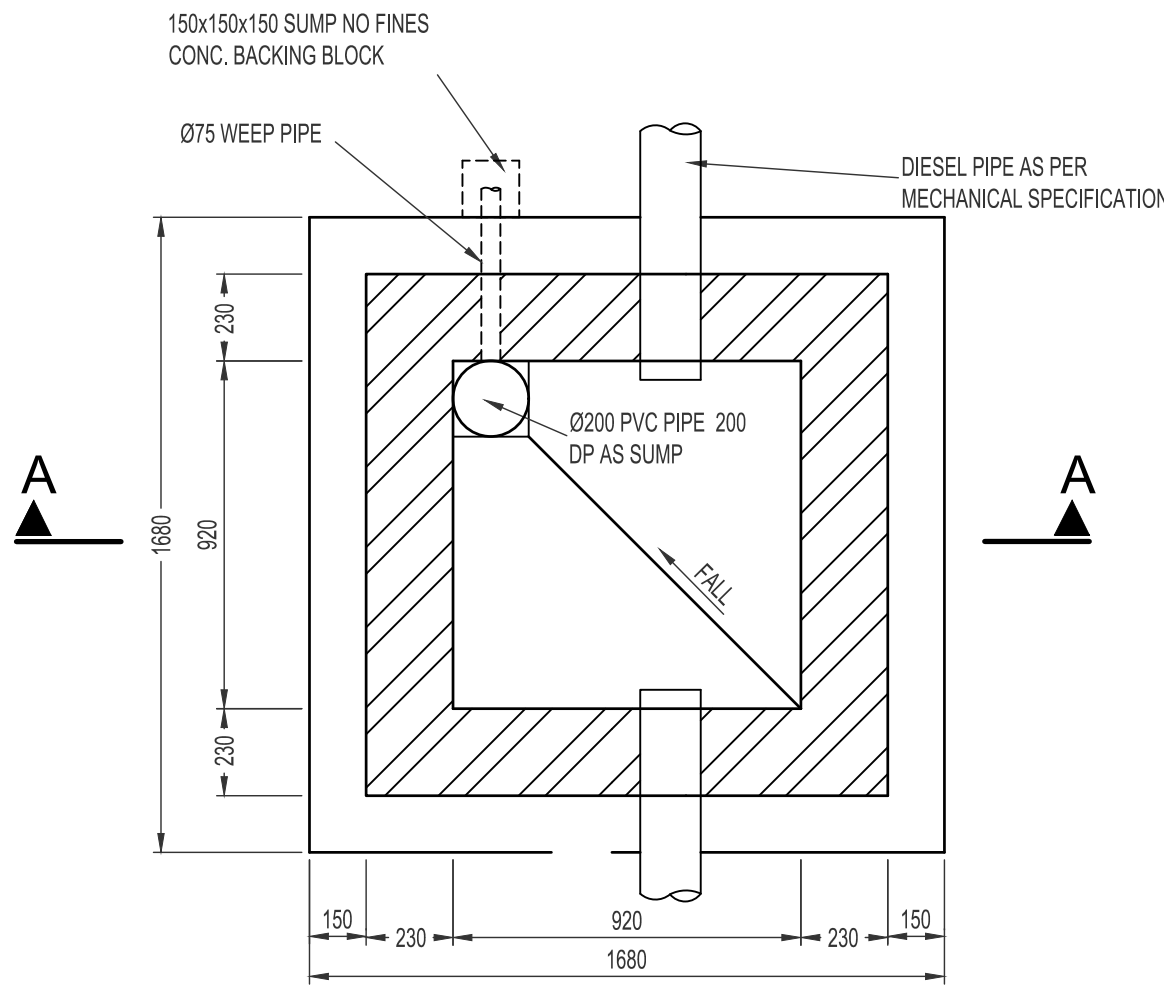


REBAR LAYOUT
SCALE 1:20

MEMBER	No OFF	TYPE DIA	MARK	TOTAL	LENGTH	CODE	BENDING DIMENSIONS				
							A	B	C	D	E
1-OFF MANHOLE TOP E1	26	Y10	01	26	920	73	150	170	320		
	24	Y12	02	24	1350	34	1280				
	4	Y12	03	4	900	20	900				



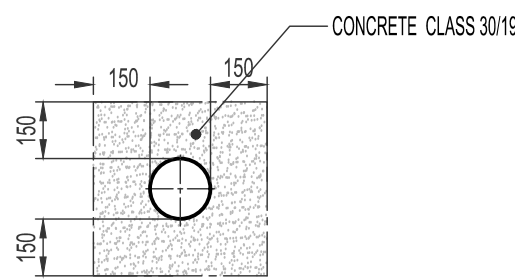
SECTION A - A
SCALE 1:20



PLAN
SCALE 1:20

NOTES:

- CONCRETE GRADES / REQUIRED COMPRESSIVE AT 28 DAYS:
BLINDING = 15MPA/19 STRUCTURAL = 40MPA/26
- A BLINDING LAYER OF 50mm (MIN.) SHALL BE PROVIDED UNDER ALL FOUNDING STRUCTURAL CONCRETE, WHERE SPECIFIED.
- FOUNDING COMPACTED IN-SITU LAYER TO BE INSPECTED BY THE ENGINEER PRIOR TO THE CASTING OF BUILDING LAYER.
- THE ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE FOR THE INSPECTION OF THE WORKS PRIOR TO CONCRETING.
- CONCRETE COVER TO OUTER REINFORCING BARS = 50mm UNLESS OTHERWISE SPECIFIED.
- APPROVED COVER BLOCKS TO BE PROVIDED.
- REINFORCING STEEL SHALL COMPLY WITH SANS 920 AND SHALL BE CUT AND BENT IN ACCORDANCE WITH SANS 282.
- CHARACTERISTIC STRENGTHS OF REINFORCING STEEL SHALL BE AS FOLLOWS:
HIGH YIELD STEEL (Y) BARS - 450MPA
MILD STEEL (R) BARS - 250MPA
- ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED USING 19mm CHAMFERS, WHERE SPECIFIED.
- CONCRETE PLACING SHALL BE IN ACCORDANCE WITH SANS 0100 PART 2.
- CONCRETE FINISHES SHALL BE AS FOLLOWS:
CONCEALED SURFACES - ROUGH OFF-SHUTTER FINISH
EXPOSED SURFACES - SMOOTH OFF-SHUTTER FINISH, REPAIRED AND RUBBED DOWN USING CARBORUNDUM BLOCKS WHERE NECESSARY.
- PAVEMENT REPAIRS AROUND MANHOLES TO BE REINSTATED TO MATCH EXISTING, AS DIRECTED BY TECH-OFFICER.
- THE CONSTRUCTION OF THE WALLS SHALL BE IN IN ACCORDANCE WITH THE REQUIREMENTS OF SANS 2001-CM1



CONCRETE
ENCASEMENT DETAIL
SCALE 1:20

						CONTRACTOR / CONSULTANT				NATIONAL PORTS AUTHORITY				Transnet National Ports Authority									
						TITLE				TITLE				TRANSNET									
						DRAWN				DRAWN				TRANSNET SOC Ltd - REG No. 199/000000030									
						CHECKED				CHECKED				(PORT PHYSICAL ADDRESS)									
						DESIGNED				DESIGNED				CITY/TOWN									
						CHECKED				CHECKED				(POSTAL ADDRESS)									
														</									