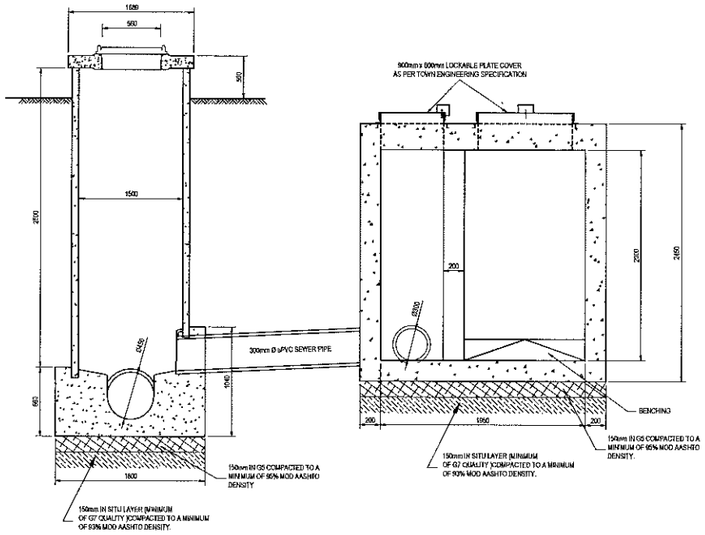
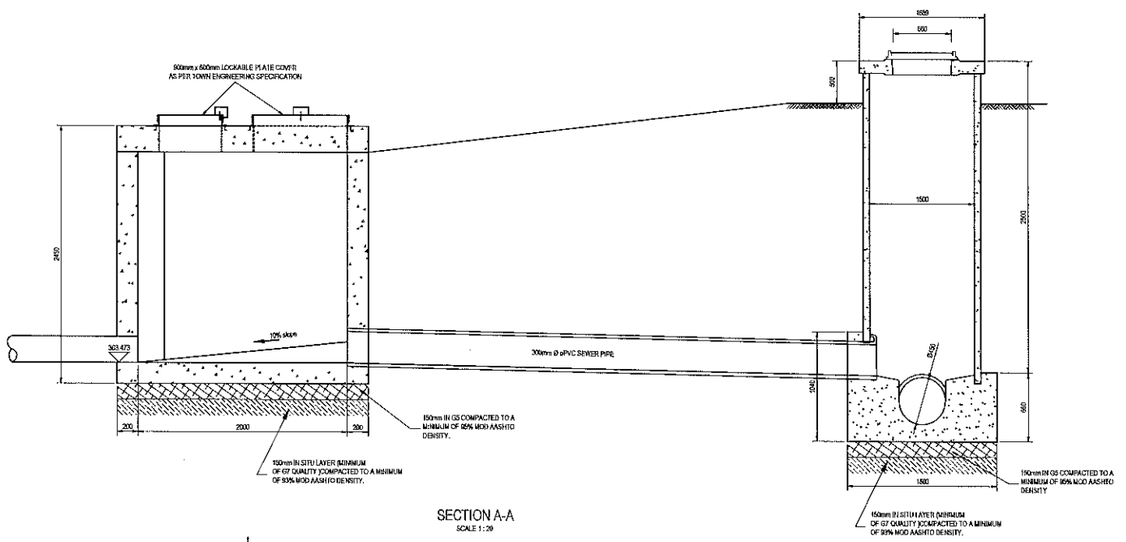
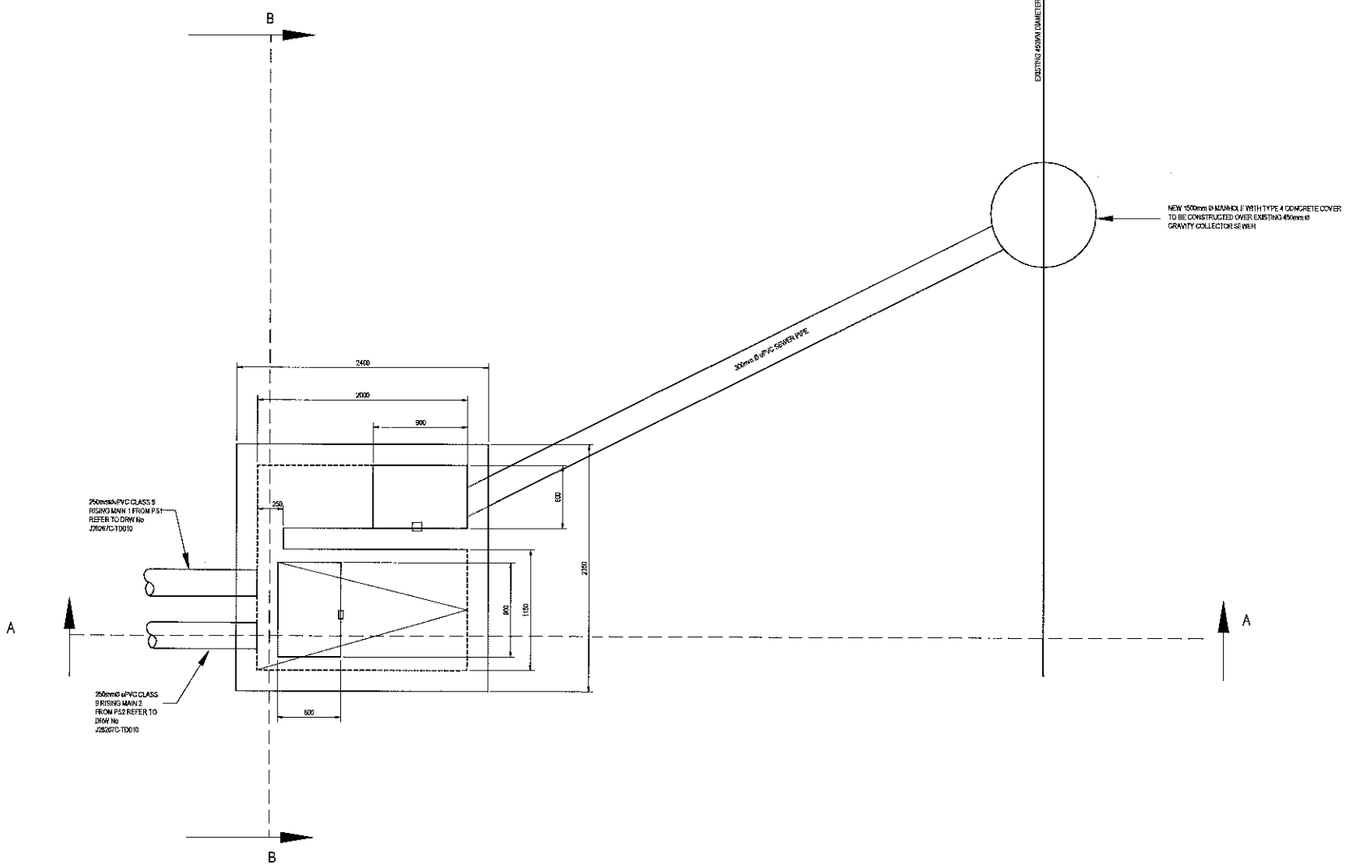


SECTION B-B
SCALE 1 : 20



SECTION A-A
SCALE 1 : 20



STILLING CHAMBER
SCALE 1 : 20

ISSUED FOR TENDER

ALL DIMENSIONS AND LEVELS ARE TO BE VERIFIED ON SITE BY THE CONTRACTOR BEFORE COMMENCING ANY WORK.

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ON ORIGINAL

GENERAL NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS
2. DIMENSIONS ARE TO BE CHECKED ON SITE.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED
4. 50mm BLINDING LAYER TO BE PLACED BELOW ALL GROUND LEVEL SLABS UNLESS OTHERWISE INDICATED.
5. ALL EXCAVATIONS TO BE INSPECTED BY ENGINEER PRIOR TO ANY CONCRETE BEING PLACED.
6. COMPACTION OF INSITU MATERIAL UNDER STRUCTURES TO BE UNDERTAKEN AS INSTRUCTED BY THE ENGINEER AFTER INSPECTION OF THE FOUNDING PLATFORM.
7. CONTRACTOR TO CONFIRM LEVELS WITH ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION
8. BEFORE COMMENCING WITH THE MANUFACTURE OF ALL STEELWORK, DIMENSIONS MUST BE CHECKED ON SITE
9. ALL STEELWORK TO BE HOT DIP GALVANISED
10. STEEL FITTINGS AND PIPEWORK TO BE HDG DIP GALVANISED (HDG) AND PAINTED WITH AN APPROVED DULUX EPOXY PAINT SYSTEM AS SPECIFIED IN THE DOCUMENT AND THE DRAWINGS. ALL STEELWORK WHICH IS TO BE HDG AND THEN PAINTED SHALL NOT BE PASSIVATED DURING THE HDG PROCESS.
11. ALL PIPEWORK, VALVES, SUPPORT BRACKETS, ETC. ARE TO BE SUPPLIED UNDER A SEPERATE CONTRACT BY THE MECHANICAL AND ELECTRICAL PLANT CONTRACTOR.
12. POSITIONS AND SIZES OF ALL HOLES, POCKETS, DUCTS, ETC. MUST BE DETERMINED ON SITE BETWEEN THE CIVIL AND PLANT CONTRACTORS.
13. THE ENGINEER TO INSPECT PIPE SPECIALS AT EACH PHASE OF PREPARATION AND APPLICATION OF PAINT SYSTEM.
14. ALL BOLTS, WASHERS, NUTS, ETC. SHALL BE STAINLESS STEEL. NOTWITHSTANDING THESE PROVISIONS, THE CONTRACTOR SHALL VERIFY THAT THE MATERIAL OF THE BOLTS, WASHERS AND NUTS USED WILL NOT CAUSE ANY GALVANIC ACTION BETWEEN ITSELF AND THE SURROUNDING MATERIAL. SHOULD GALVANIC ACTION BE POSSIBLE, THE CONTRACTOR SHALL PROVIDE SUITABLE NON-METALLIC SLEEVES AND WASHERS FOR SUCH BOLTS
15. ALL CONCRETE SHALL BE OF THE FOLLOWING GRADES AND MIN. 28 DAYS WORKS CUBE STRENGTHS :-
FOUNDATION - 30 MPa / 19
WALLS - 30 MPa / 19
WALKWAYS SLABS - 30 MPa / 19
FLOORS - 30 MPa / 19
16. CLEAR CONCRETE COVER TO REINFORCEMENT SHALL BE AS FOLLOWS :-
FOUNDATIONS - 75mm
WALLS - 50mm
FLOORS - 50mm
NOTE THAT CLEAR CONCRETE COVER BE MAINTAINED BY THE USE OF CONCRETE COVER BLOCKS MANUFACTURED FROM CONCRETE WITH THE SAME STRENGTHS AS THE UNITS IN MASH (7.5 IS INCORPORATED ON THE BASIS OF A MINIMUM OF ONE (1) COVER BLOCK PER 0.25 SQUARE METRE.
17. ALL REINFORCEMENT SHALL COMPLY WITH SANS 920, TYPE C, CLASS 2 GRADE 1.
18. WHERE IT IS NECESSARY TO UTILIZE CONSTRUCTION JOINTS, SUCH JOINTS SHALL BE INSPECTED BY THE ENGINEER PRIOR TO COMMENCEMENT OF CONSTRUCTION.
19. UNLESS OTHERWISE STATED THE CORNERS OF ALL EXPOSED CONCRETE SHALL BE PROVIDED WITH A 20mm x 20mm CHAMFER.
20. THE DEGREE OF ACCURACY SHALL BE IN ACCORDANCE WITH SANS 1200 H LEVEL 9
21. ALL FORMED SURFACES SHALL BE AS FOLLOWS :-
EDGES OF FOUNDATION - ROUGH
ALL WALLS ON BOTH SURFACES - SMOOTH
22. HANDRAILING MUST NOT BE PAINTED.
23. ALL FENCE RELATED STEEL MANUFACTURING WORK TO BE

No	Date	Description	Drawn	Approved
0	JULY 2013	ISSUED FOR TENDER	SS	SS

Client
DEPARTMENT OF HUMAN SETTLEMENTS

human settlements
Department:
Human Settlements
REPUBLIC OF SOUTH AFRICA

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Designed By: A ALBERTS
Reviewed By: S SCHEFFER

Project
ENGCOBO EXT 11
PUMP STATION

Description
STILLING CHAMBER
LAYOUT & DETAILS

Scale: AS SHOWN
Date: JULY 2013

Project No: J28267C
Dwg No: TD040
Rev: 0