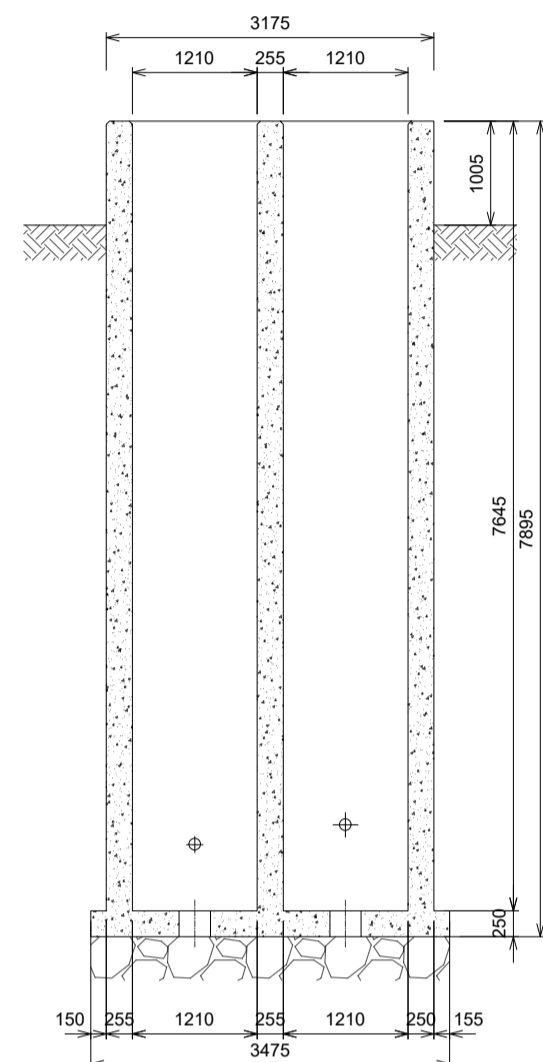
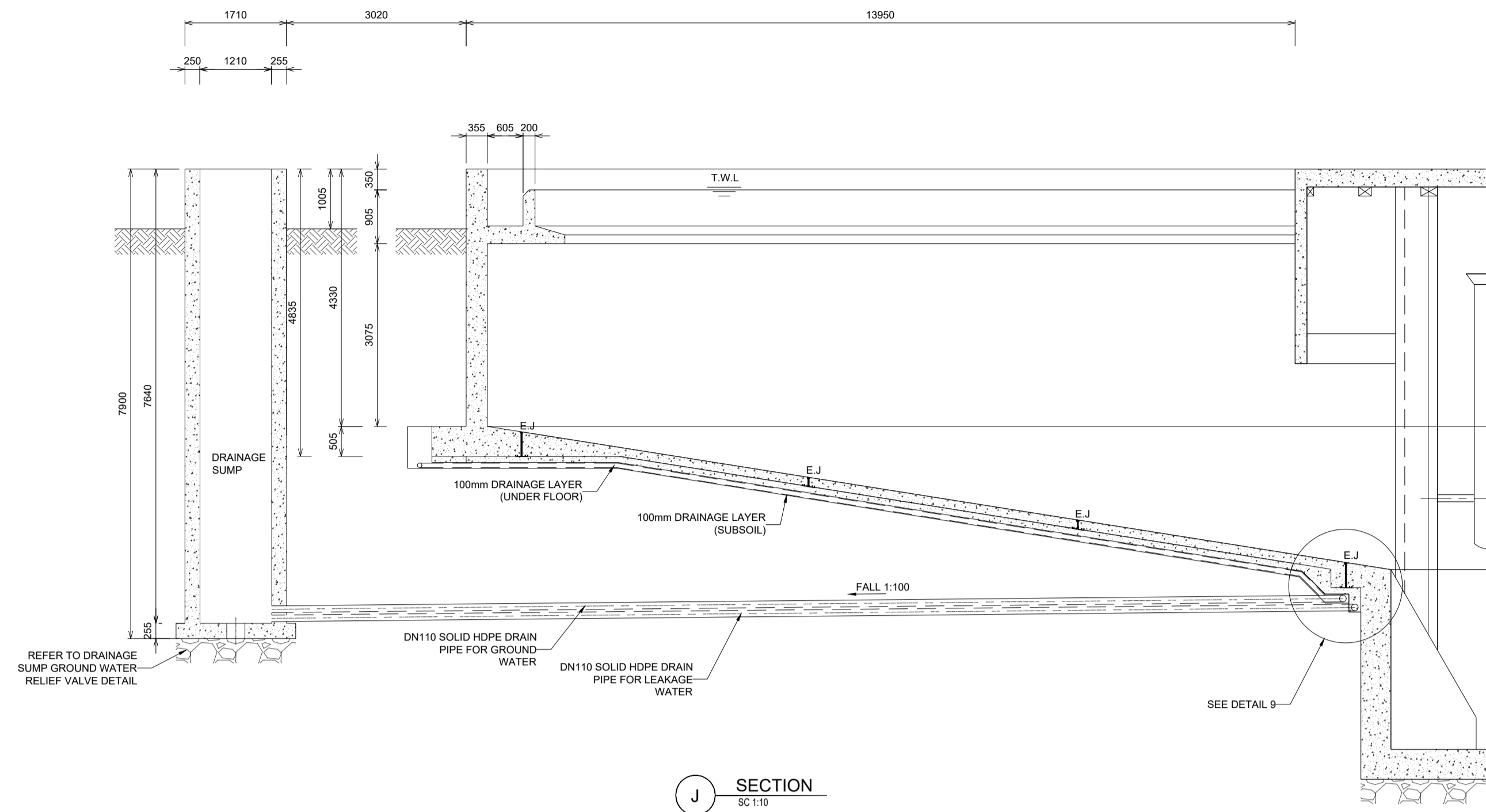


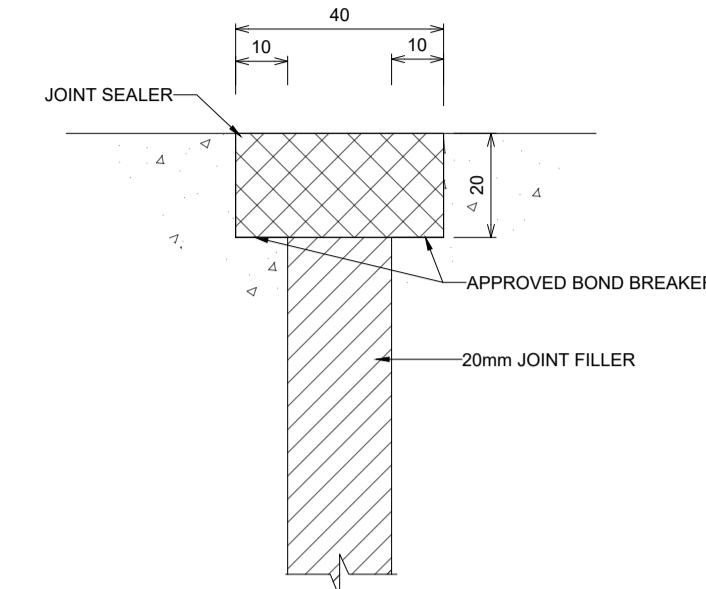
PLAN OF DRAINAGE SUMP
SCALE 1:50



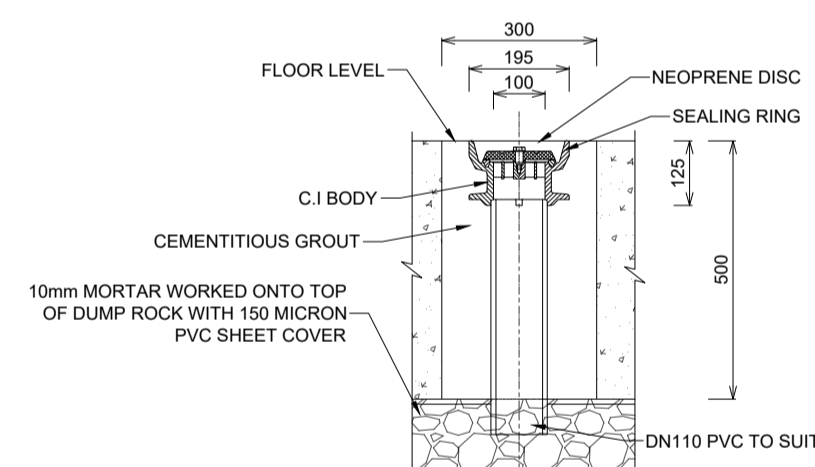
SECTION L
SCALE 1:10



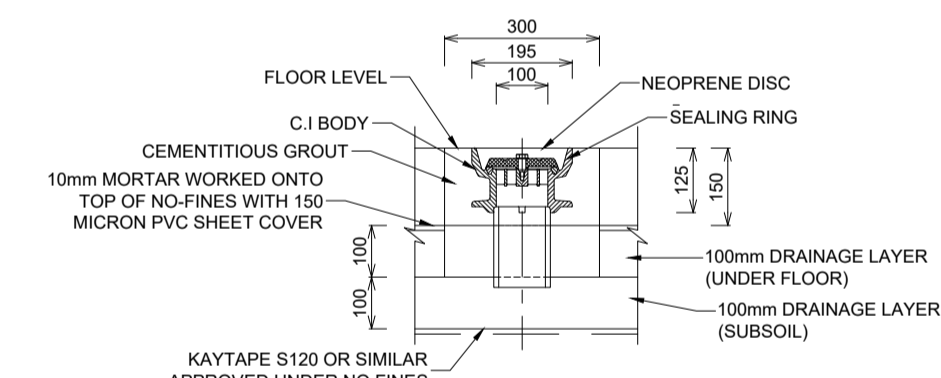
SECTION J
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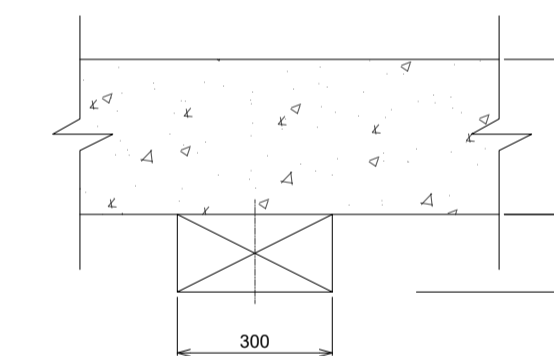
TYPICAL JOINT SEAL DETAIL
SCALE NTS



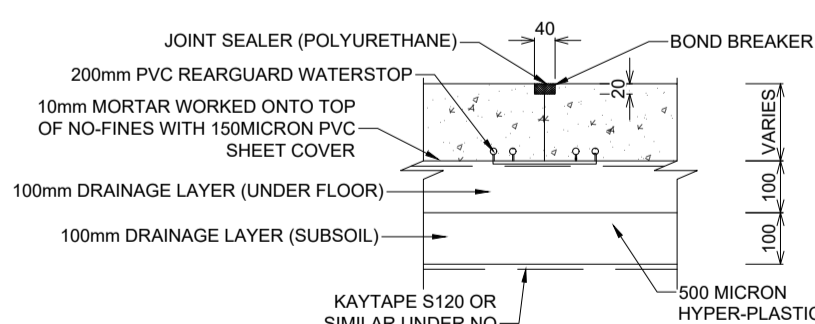
HOPPER GROUND WATER RELIEF VALVE
SCALE 1:10



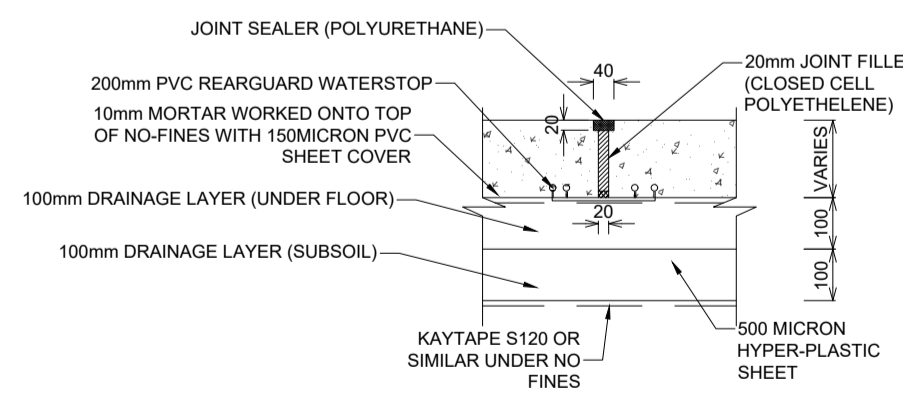
GROUND WATER RELIEF VALVE (OR SIMILAR APPROVED)
SCALE 1:10



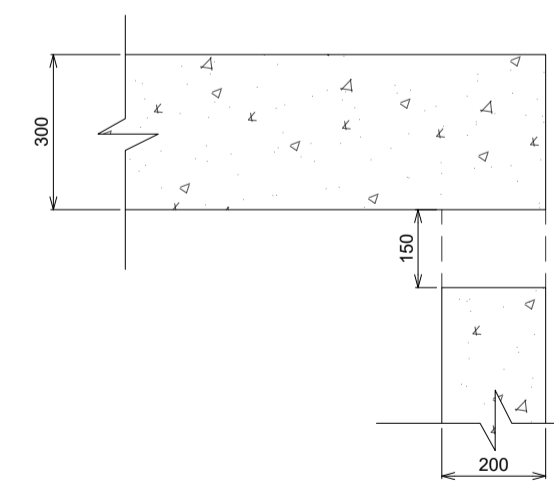
8 DETAIL: TYPICAL SLOT ELEVATION
SCALE 1:10



TYPICAL FLOOR CONTRACTION JOINT DETAIL (C.-J.)
SCALE 1:10



TYPICAL FLOOR EXPANSION JOINT DETAIL (E.J.)
SCALE 1:10



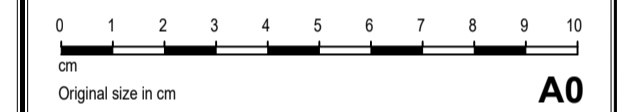
TYPICAL SECTION THROUGH SLOT
SCALE 1:10

NOTES (GENERAL)

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT DRAWINGS AND CONTRACT SPECIFICATIONS. ANY DISCREPANCIES TO BE BROUGHT TO ENGINEER'S ATTENTION PRIOR TO IMPLEMENTATION OF ANY WORK.
2. CONTRACTOR IS RESPONSIBLE FOR CORRECT SETTING OUT OF BUILDINGS ON SITE WITH PARTICULAR INTEREST TO BOUNDARIES AND BUILDING LINES.
3. CONTRACTOR TO KEEP A FULL SET OF DRAWINGS ON SITE.
4. CONTRACTOR TO VERIFY ALL LEVELS AND DIMENSIONS ON SITE.
5. SCALING OF DRAWINGS IS NOT PERMITTED. FIGURED DIMENSIONS ONLY TO BE USED.
6. LARGE SCALE DETAILS TO BE USED WHERE AVAILABLE.
7. CONTRACTOR TO IDENTIFY AND EXPOSE ALL UNDER GROUND SERVICES ON SITE WHERE RELEVANT.
8. CONSTRUCTION IS TO BE IN ACCORDANCE WITH ALL RELEVANT DRAWINGS, CONTRACT SPECIFICATIONS OR SANS 1200L.
9. SHOULD THE ENGINEER BE REQUIRED ON SITE, 24 HOURS NOTICE IS REQUESTED.

SEWER NOTES

1. ALL SEWER PIPES AND INVERTS ARE POSITIONED ACCORDING TO AVAILABLE SURVEY INFORMATION AND MAY REQUIRE ADJUSTMENT AS INSTRUCTED BY THE ENGINEER TO SUIT CONDITIONS ON SITE.
2. NATURAL GROUND CONTOURS AT 500mm INTERVALS.
3. ALL LEVELS GIVEN IN METERS ABOVE SEA LEVEL.
4. THE INVERT LEVEL OF THE EXISTING SEWER CONNECTION SHALL BE CHECKED TO BE CORRECT BEFORE CONSTRUCTION COMMENCES. CONFIRMATION OF LEVEL SHALL BE FORWARDED TO THE ENGINEER IN WRITING.
5. MANHOLES SHALL BE COORDINATED.
6. ALL NEW RETICULATION PIPES ARE 160mm DIAMETER HDPE TYPE PE 100 PN10 TO SANS 4427.
7. ALL PIPES TO BE JOINTED USING BUTT-WELDED JOINTS TO SANS 10286-1 OR ELECTRO-FUSION WELDING TO SANS 10286-2 WHERE THE FORMER IS NOT POSSIBLE.
8. ALL INTERNAL BURRS (WELDING BEADS) TO BE REMOVED AFTER WELDING.
9. SURFACE MOUNTED PIPES TO BE UPVC CLASS 34 HEAVY DUTY SPIGOT AND SOCKET WITH INTEGRAL RUBBER RING JOINTS TO SANS 791 UNLESS OTHERWISE INDICATED.
10. ALL PIPES TO BE BEDDED IN FLEXIBLE PIPE BEDDING AS PER DWG 315C/SLSD01 UNLESS OTHERWISE SHOWN. BEDDING TO BE COMPACTED TO 93% MOD AASHTO.
11. PIPE TRENCHES TO BE BACKFILLED IN 150mm LAYERS AND COMPACTED TO 93% MOD AASHTO.
12. PERMISSIBLE TOLERANCES SHALL COMPLY WITH SANS 1200L.
13. THE MINIMUM DEPTH OF COVER FOR THE SEWER MAIN SHALL BE 600mm IN SERVITUDES AND 1000mm IN ROAD RESERVES.
14. PRE-MANUFACTURED HDPE MANHOLES TO BE USED AND MATERIAL TO CONFORM TO HDPE TYPE 100 TO SANS 4427 UNLESS OTHERWISE SHOWN.
15. HDPE PIPES TO BE WELDED TO MANHOLES AS PER DETAIL XXX ON DWG 315C/SLSD01. CONNECTIONS SHALL BE FLEXIBLE AND WATER-TIGHT.
16. THE CONTRACTOR SHALL REQUEST THE FOLLOWING INSPECTIONS AND OBTAIN WRITTEN ACCEPTANCE FROM THE ENGINEER:
 - a. AFTER COMPLETION OF EXCAVATIONS
 - b. AFTER LAYING OF THE SEWER PIPE ON THE PRESCRIBED BEDDING BUT BEFORE PLACEMENT OF ANY BLANKET MATERIAL. PRESSURE TEST AS PER SANS 1200L (Clause 7.2) SHALL BE EXECUTED DURING THIS INSPECTION AND THE AIR TEST SHALL ALSO BE EXECUTED AS PER SANS 1200L (Clause 7.2.1).
 - c. ALL DE-BURRED JOINTS TO BE CAMERA INSPECTED.
 - d. AFTER COMPLETION OF MAIN BACKFILLING, MANHOLES, INSPECTION MANHOLES AND ANY OTHER OUTSTANDING WORK.



NO.	DATE	REVISION DESCRIPTION	BY
0	24/07/24	ISSUED FOR TENDER	DM

DWG. No.	ASSOCIATED DRAWING DESCRIPTION

Client
DBSA
 DEVELOPMENT BANK OF SOUTHERN AFRICA
 1258 LEVER ROAD
 HEALING HILL
 MIDRAND 1685
 TEL: 011 313 3911
 EMAIL: GRANTED@DBSA.ORG.ZA
Building Africa's Prosperity

Consultants / Department
Anolog
 OFFICE UNIT 8
 98 NAGBOUTON ROAD
 WATKINSVILLE
 GERAUSTON
 TEL: 056 590 1739
 EMAIL: WICK@ANOLOG.CO.ZA

Discipline
CIVIL
 Service
**UPGRADES & URGENT
 REFURBISHMENT AT ROOIWAL WWTW
 PHASE 1**

Drawing Title
PRIMARY SETTLING TANK LAYOUT, SECTIONS & DETAILS (SHEET 3 OF 3)

Ref. No.	Designed	DM
Scale	Drawn	DM
Date	Checked	HS
Type Number	PRELIMINARY	
Drawing Number	RWWTW / S / PST / 03 REV 0	
Revision Number	0	