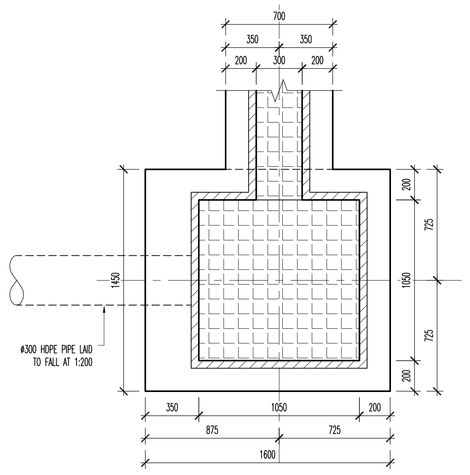
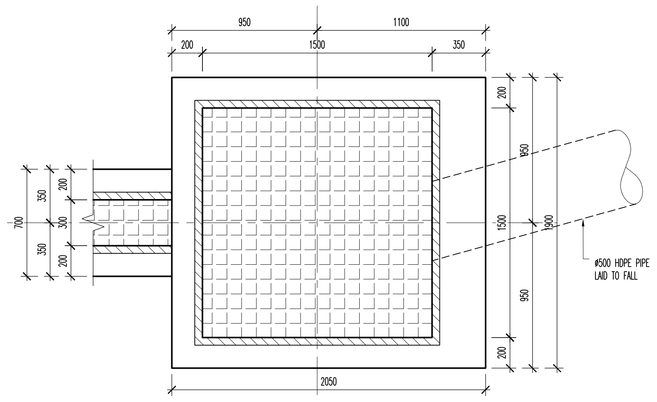
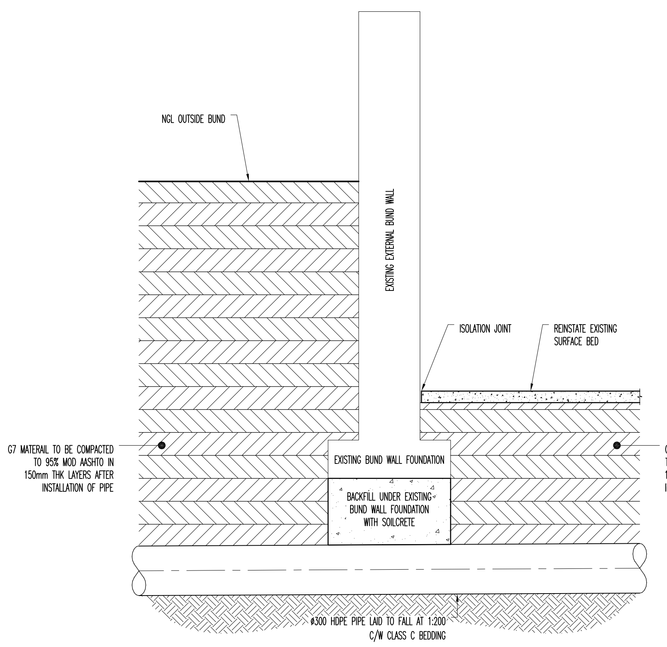


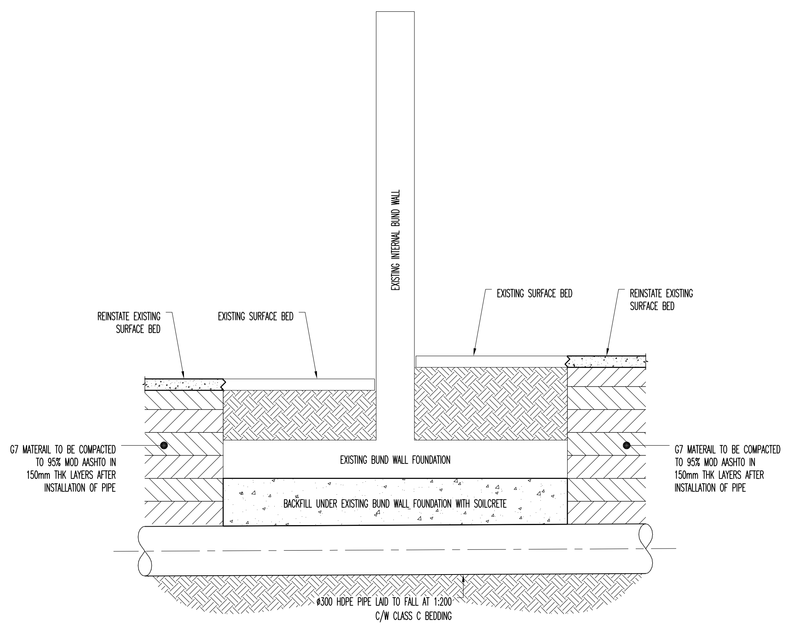
TYPICAL PLAN ON SUMP 1 & 2 (1:20)



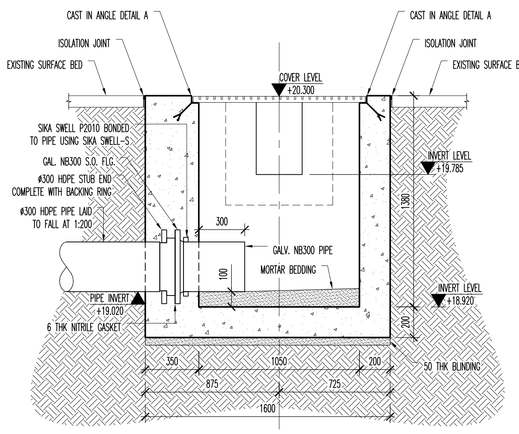
PLAN ON SUMP 3 (1:20)



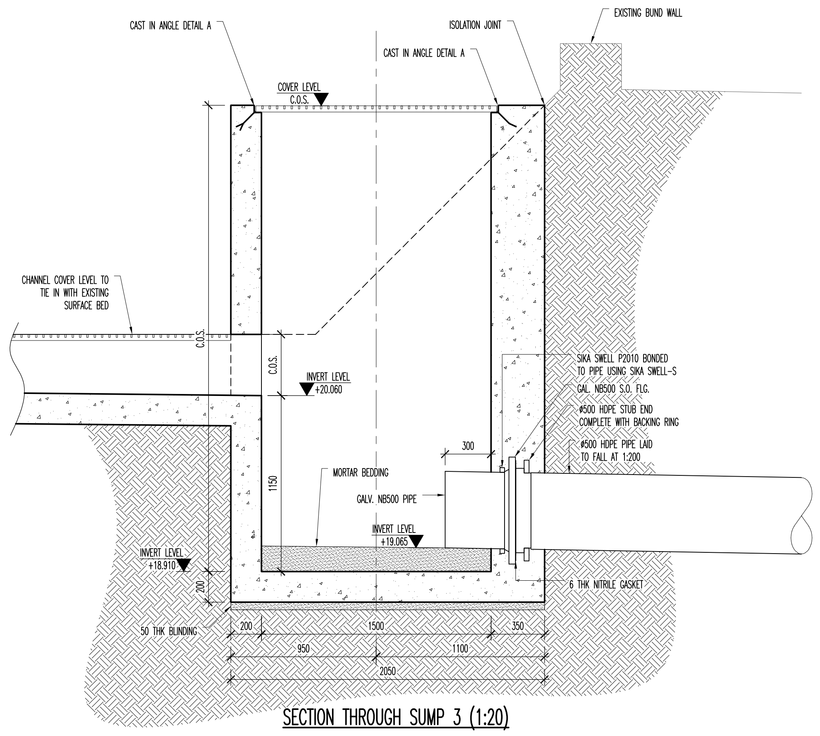
TYPICAL SECTION ON BUND DRAIN PIPE UNDER EXTERNAL BUND WALL (1:20)



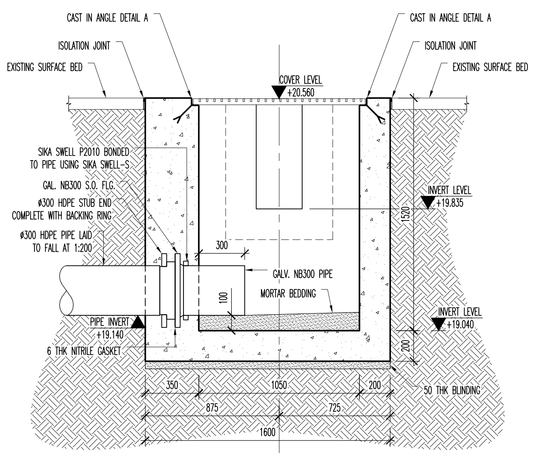
TYPICAL SECTION ON BUND DRAIN PIPE UNDER INTERNAL BUND WALL (1:20)



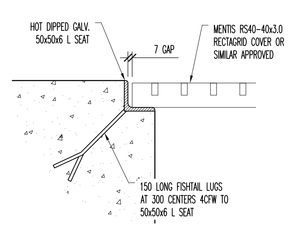
SECTION THROUGH SUMP 1 (1:20)



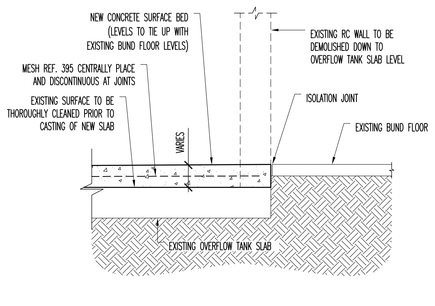
SECTION THROUGH SUMP 3 (1:20)



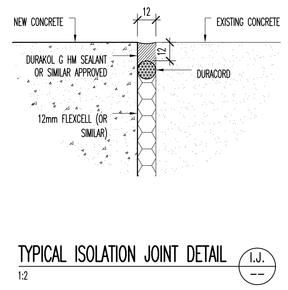
SECTION THROUGH SUMP 2 (1:20)



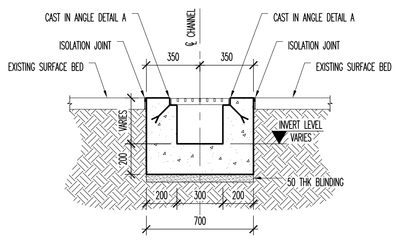
DETAIL: CAST IN ANGLE (A)
1:5



TYPICAL OVERFLOW BUND SLAB DETAIL (1:20)



TYPICAL ISOLATION JOINT DETAIL (I.J.)
1:2



TYPICAL SECTION THROUGH CHANNEL (1:20)

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REFERENCE DRAWING

GENERAL NOTES

FOR GENERAL NOTES REFER TO DRAWING 19208-GN01

1. CONCRETE GRADES:

BUNDING AND MASS CONCRETE:	10/19/B
FOUNDATIONS AND WALLS:	35/19/S
PAVING SLABS:	35/19/P
CHANNELS AND SUMPS:	35/19/A

2. THIS DRAWING IS NOT TO BE SCALED. USE FIGURED DIMENSIONS ONLY.
3. ALL EXISTING SERVICES IN THE WAY OF NEW CONSTRUCTION TO BE EXPOSED BY HAND AND PROTECTED DURING CONSTRUCTION.
4. ALL INVERT LEVELS TO TIE IN MANHOLES AND SERVICES CROSSINGS SHALL BE CONFIRMED PRIOR TO CONSTRUCTION.
5. THE DIMENSIONS SHOWN AS C.O.S. ARE TO BE CONFIRMED ON SITE AND REPORTED TO THE ENGINEER IN WRITING PRIOR TO CONSTRUCTION OF FOUNDATION.
6. VALVES TO BE CMO SERIES GL OR SIMILAR APPROVED. KNIFE GATE VALVE FULLY LUGGED. 304 S/S BLADE WITH NITRILE SEALS. BI-DIRECTIONAL WITH EXTENSION SPINDLE, WALL MOUNTED SPINDLE SUPPORT. SPINDLE CAP REMOVABLE HANDWHEEL EXTENSIONS TO SUIT SPINDLE. HAND WHEELS TO BE 900mm ABOVE COVER LEVELS.
7. HAND WHEEL EXTENSIONS TO BE SUPPLIED WITH MOUNTING BRACKETS FOR MOUNTING ON THE BUNDWALL.
8. ALL STEEL TO BE HOT DIPPED GALVANISED TO SPECIFICATION.
9. CUT OUTS IN GRATINGS FOR PIPING AND EQUIPMENT ARE TO BE CONFIRMED WITH THE ENGINEER PRIOR TO FABRICATION. WORKSHOP DRAWINGS OF THE GRATING PANELS ARE TO BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
10. ALL PROPRIETARY PRODUCTS TO BE APPLIED STRICTLY IN ACCORDANCE WITH THE MANUFACTURES RECOMMENDATIONS AND SPECIFICATIONS.

REV	DESCRIPTION	DR.	APP.	DATE
D	ISSUED FOR CLIENT APPROVAL	ASB	AWK	18/12/20
C	ISSUED FOR CLIENT REVIEW	ASB	AWK	01/12/20
A	ISSUED FOR APPROVAL	AB	AWK	21/09/18

	INITIALS	SIGN	DATE
DESIGNED	AWK		
DRAWN	ASB		
PROJECT ENG.	AWK		
APPROVED	AWK		

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CONSULTING ENGINEERS
Engineering African Development
P O BOX 1621 WANDSBECK 3631 TEL 0312666535

CLIENT LOGO

TRANSNET PIPELINES

CLIENT
TRANSNET PIPELINES

PROJECT
WALTLOO
BUILDING UPGRAGE

TITLE
BUND DRAINAGE
CONCRETE DETAILS

SCALE : AS SHOWN

DRAWING No. 19208-RC02 REV D

KT-Dsn-A0.dwg (SCALE) A0 SHEET