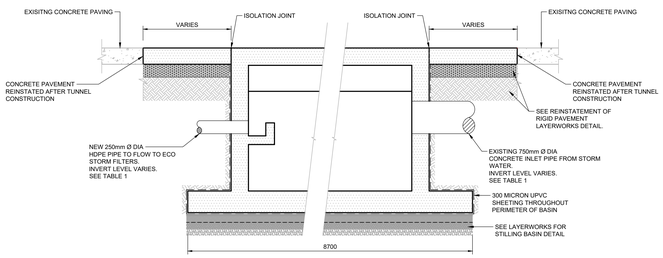
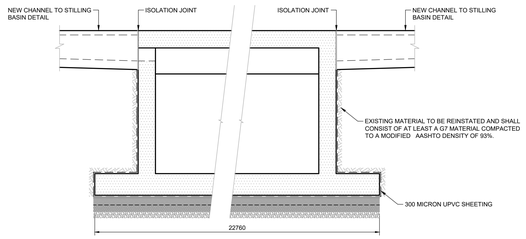


SECTION B-B: SB1 - SB7

1:50



SECTION A-A: SB1 - SB7

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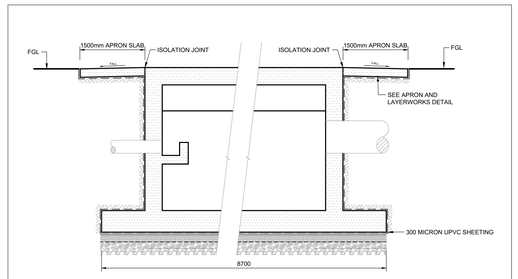
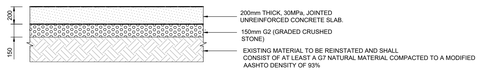


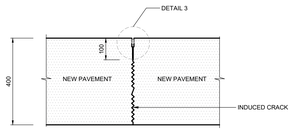
TYPICAL SECTION OF SB8

1:50



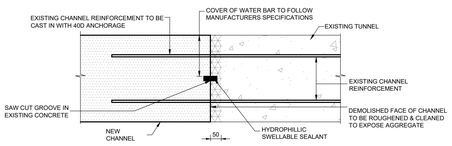
STILLING BASIN 8 APRON DETAIL AND LAYERWORKS (TBC AND SIGNED OFF BY GEOTECHNICAL ENGINEER ON SITE)

NTS



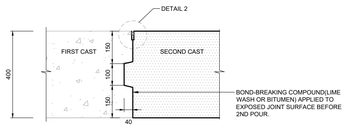
WEAKENED PLANE JOINT DETAIL (WPJ)

1:10



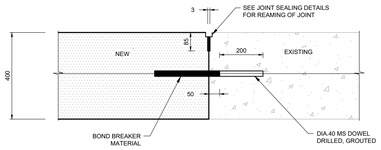
TIE IN CONSTRUCTION JOINT BETWEEN THE NEW AND EXISTING CHANNEL

1:10



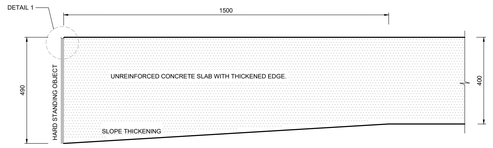
KEYED CONSTRUCTION JOINT DETAIL (KCJ)

1:10



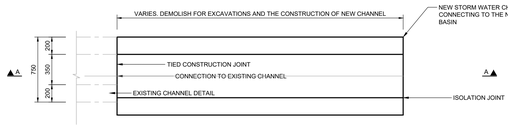
TIED CONSTRUCTION JOINT (TCJ)
(TIE INTO EXISTING CONCRETE PAVING)

1:10



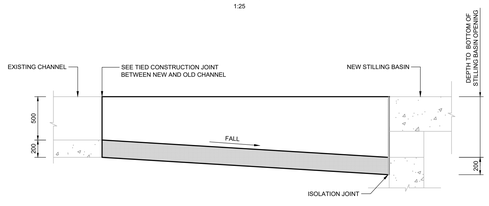
ISOLATION JOINT DETAIL

1:10



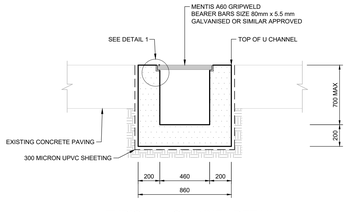
PLAN: NEW CHANNEL TO STILLING BASIN

1:25



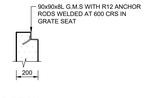
SECTION A-A

1:25



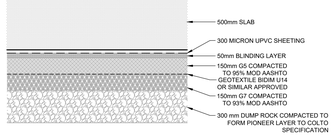
TYPICAL U-CHANNEL DETAIL

1:20



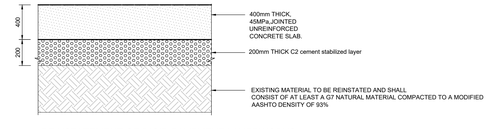
DETAIL 1

1:20



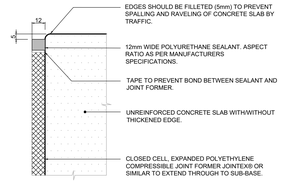
STILLING BASIN LAYERWORKS TBC BY GEOTECHNICAL ENGINEER ON SITE.

1:20



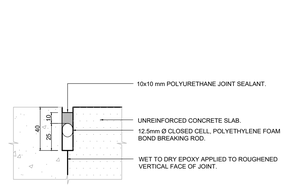
REINSTATEMENT OF RIGID PAVEMENT LAYERWORKS (TBC AND SIGNED OFF BY GEOTECHNICAL ENGINEER ON SITE)

NTS



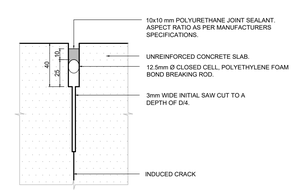
DETAIL 1

1:2



DETAIL 2

1:2



DETAIL 3

1:2

GENERAL NOTES

1. THE CONTRACTOR SHALL ALLOW FOR ALL STANDARDS/SPECIFICATIONS WHICH ARE REFERRED TO IN THESE NOTES AND WHICH ARE APPLICABLE ON SITE.
2. DRAWINGS MUST NOTE BE SCALED. ONLY WRITTEN DIMENSIONS SHALL BE USED.
3. ALL DIMENSIONS AND LEVELS SHALL BE VERIFIED ON SITE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK.
4. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS.
5. CONCRETE WORK SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS:
   a) CONCRETE WORK TO TRANSNET'S SPECIFICATION SA20 AND SANS 1200G;
   b) CONCRETE PLACING TO BE DONE IN ACCORDANCE WITH SANS 10100 PART 2, CLAUSE 10.2;
   c) CONCRETE CUBE STRENGTHS ARE CHARACTERISTIC STRENGTHS TO SANS 10100 PARTS 1 AND 2
6. CONCRETE STRENGTHS AT 29 DAYS:
   SLABS :40MPa/19mm
   BEAMS :40MPa/19mm
   WALLS :40MPa/19mm
   BLINDING :15MPa/19mm
7. COVER TO REINFORCEMENT:
   WALLS :60mm
   SLABS :60mm
   BEAMS :60mm
8. ALL EXPOSED CONCRETE TO BE CHAMFERED 20mm x 20mm UNLESS OTHERWISE SHOWN.
9. REINFORCEMENT SHALL COMPLY WITH SANS 920 AND BENT TO SANS 282.
   SYMBOLS: R - MILD STEEL WITH CHARACTERISTIC STRENGTH OF 250MPa
   Y - HOT-ROLLED OR COLD WORKED HIGH STRENGTH BARS WITH CHARACTERISTIC STRENGTH OF 450MPa.
   (ONLY REINFORCEMENT FABRICATED UNDER THE SABS MARK SCHEME SHALL BE DEEMED TO COMPLY WITH SABS REQUIREMENTS).
10. 50mm MAX. BLINDING SHALL BE PROVIDED
11. FORMWORK AND SURFACE FINISH FORMED SURFACES:
    a) VISIBLE SURFACE :SMOOTH
    b) UNEXPOSED SURFACE :ROUGH
12. GROUT TO BE FLOWABLE SELF-LEVELING EPOXY GROUT.
13. STEELWORK TO FABRICATED AND ERECTED IN ACCORDANCE WITH THE SPECIFICATIONS IN SANS 2001-CS1 AND SANS 1921-3.
14. ALL HOT-ROLLED STEEL SECTION AND PLATES TO GRADE S355JR TO EN10025.
15. CORROSION PROTECTION OF STEELWORK:
    ALL STEELWORK INCLUDING BOLTS,NUTS AND WASHERS SHALL BE HOT DIP GALVANIZED TO SANS 121 (ISO 1461), TABLE 3. NUTS WITH OVERSIZED THREADS SHALL BE USED TO COMPENSATE FOR THE GALVANIZING ON THE BOLT THREADS.
16. PAINTING OF STEELWORK TO SANS 1200HC. APPLY SYSTEM 013-016 IN ACCORDANCE WITH SANS 0120HC. COLOUR TO BE DETERMINED BY CLIENT.
17. FABRICATORS TO SUBMIT TWO COPIES OF ALL SHOP DRAWINGS TO THE STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO THE COMMENCEMENT OF FABRICATION.

REFERENCE DRAWINGS

DRAWING NO.	REFERENCE
5200157-2-001-C-DE-0004-01	MULTIPURPOSE TERMINAL AREA MANHOLE DETAILS
5200157-2-001-C-SE-0004-03	MULTIPURPOSE TERMINAL AREA STORMWATER LONG SECTIONS SHEET 3 OF 3
5200157-2-001-C-SE-0004-02	MULTIPURPOSE TERMINAL AREA STORMWATER LONG SECTIONS SHEET 2 OF 3
5200157-2-001-C-SE-0004-01	MULTIPURPOSE TERMINAL AREA STORMWATER LONG SECTIONS SHEET 1 OF 3
5200157-2-001-C-LA-0004-01	SALDANHA PORT - DRAINAGE DETAILED LAYOUT
5200157-2-001-C-LA-0004-01	SALDANHA PORT - DRAINAGE MULTIPURPOSE TERMINAL STORMWATER LAYOUT

REVISIONS

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
00	ISSUED FOR GATE REVIEW	TT	SS	PM	10-10-23

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CONTRACTOR / CONSULTANT				
TITLE	NAME	SIGN	DATE	
				DRAWN
				CHECKED
				DESIGNED
				CHECKED

OPERATING DIVISIONS			
TITLE	NAME	SIGN	DATE

TRANSNET CAPITAL PROJECTS			
TITLE	NAME	SIGN	DATE
DRAWN	TT		10 10 23
CHECKED	SS		10 10 23
DESIGNED	TT		10 10 23
CHECKED	PM		10 10 23

PR.ENG. / PR.TECH./PR. ARCH

NAME P. MAHARAJ — DATE

SIGNATURE — 10 10 23

REG. NUMBER 200970238

SCALE : NOTED — A0

Transnet Port Terminals

TRANSNET

SALDANHA STORMWATER MANAGEMENT

MULTIPURPOSE TERMINAL AREA

STILLING BASIN

SECTIONS AND DETAILS

PROJECT NUMBER	OD	FBS	DIS	TYPE	DRAWING NO.	SHEET	REV	ID
5 2 0 0 1 5 7 - 2	0 0 1	S	D E	0 0 0 2	0 1	0 0	TT