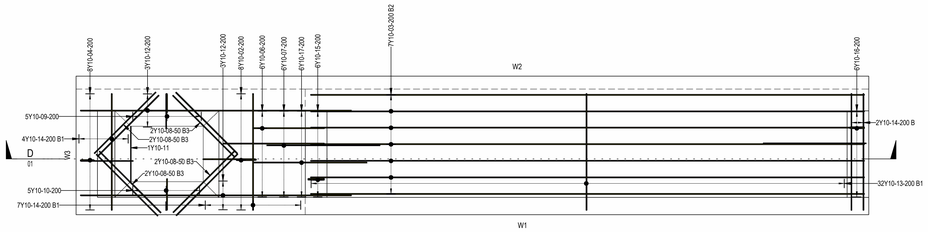
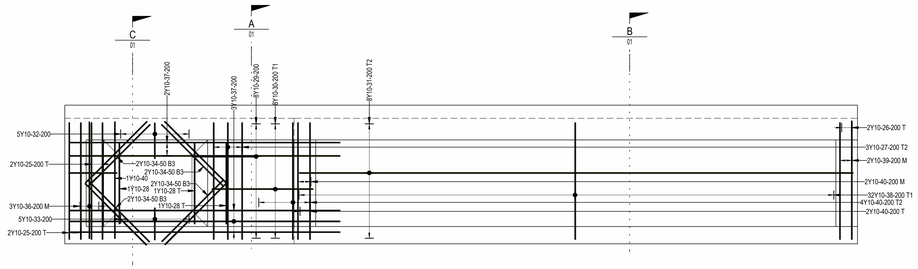
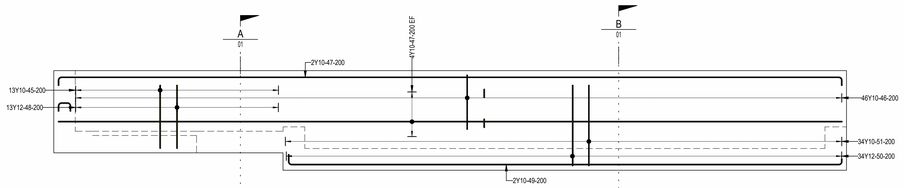


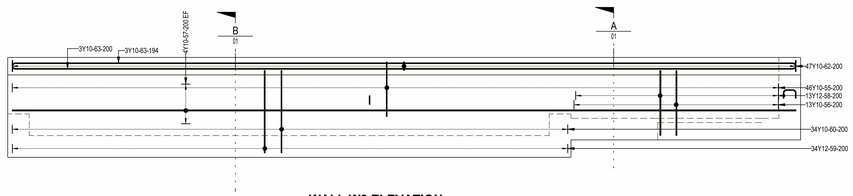
SILT TRAP TYPE 1 BOTTOM REBAR LAYOUT
1 : 25



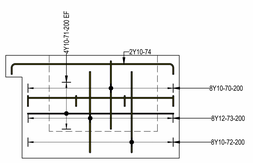
SILT TRAP TYPE 1 TOP REBAR LAYOUT
1 : 25



WALL W1 ELEVATION
1 : 25



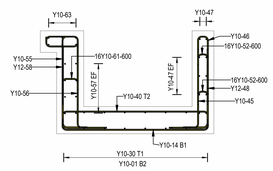
WALL W2 ELEVATION
1 : 25



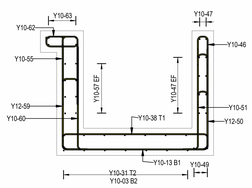
WALL W3 ELEVATION
1 : 20

TYPE 1 BENDING SCHEDULE

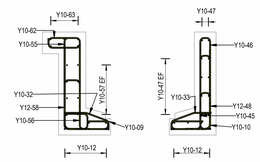
Member	No of Mbrs	No of Bars	Dia	Cutting Length	Bar Mark	Total	Shape Code	A	B	C	D	E	r	kg
BOTT.	25	8	Y10	1245	01	200	37	1170	100					154
BOTT.	25	8	Y10	1656	02	200	75	468	92	616	150	231		205
BOTT.	25	7	Y10	6540	03	175	38	100	6390	100				707
BOTT.	25	8	Y10	1746	04	200	75	550	100	612	188	158		216
BOTT.	25	8	Y10	1386	05	200	48	816	502	80	334	374		171
BOTT.	25	6	Y10	919	06	150	41	147	286	500	226	175		85
BOTT.	25	6	Y10	1472	07	150	41	500	486	500	380	303		136
BOTT.	25	8	Y10	1000	08	200	20	1000						123
BOTT.	25	5	Y10	1163	09	125	75	200	81	412	150	221		90
BOTT.	25	5	Y10	1089	10	125	75	294	81	366	150	100		84
BOTT.	25	1	Y10	940	11	25	20	940						15
BOTT.	25	6	Y10	3205	12	150	37	100	3130					297
BOTT.	25	32	Y10	1460	13	800	38	80	1350	80				721
BOTT.	25	13	Y10	1500	14	325	38	100	1350	100				301
BOTT.	25	6	Y10	1275	15	150	60	190	420					118
BOTT.	25	6	Y10	1235	16	150	60	170	420					114
BOTT.	25	6	Y10	1463	17	150	41	517	460	500	360	286		135
TOP	25	4	Y10	1930	25	100	55	180	170	1350	170	160		119
TOP	25	2	Y10	1520	26	50	38	100	1370	100				47
TOP	25	3	Y10	1910	27	75	55	180	160	1350	160	160		88
TOP	25	3	Y10	940	28	75	20	940						44
TOP	25	8	Y10	817	29	200	48	83	195	554	183	68		101
TOP	25	8	Y10	1280	30	200	38	80	1170	80				158
TOP	25	8	Y10	6480	31	200	38	70	6390	70				800
TOP	25	5	Y10	492	32	125	48	83	224	200	210	78		38
TOP	25	5	Y10	452	33	125	48	83	224	160	210	78		35
TOP	25	8	Y10	1000	34	200	20	1000						123
TOP	25	8	Y10	664	35	200	48	107	177	395	166	62		82
TOP	25	3	Y10	1459	36	75	38	80	1350	79				68
TOP	25	5	Y10	3205	37	125	37	100	3130					247
TOP	25	32	Y10	1910	38	800	55	180	150	1350	150	180		943
TOP	25	2	Y10	1540	39	50	38	120	1350	120				48
TOP	25	9	Y10	1500	40	225	38	100	1350	100				208
W1	25	13	Y10	975	45	325	37	730	270					196
W1	25	46	Y10	1310	46	1150	38	630	100	630				930
W1	25	10	Y10	9200	47	250	38	100	9050	100				1420
W1	25	13	Y12	930	48	325	37	730	230					269
W1	25	2	Y10	6533	49	50	38	124	6390	69				202
W1	25	34	Y12	1130	50	850	37	930	230					854
W1	25	34	Y10	1173	51	850	37	930	268					616
W1	25	32	Y10	250	52	800	38	100	100	100				123
W2	25	46	Y10	1360	55	1150	38	630	150	630				966
W2	25	13	Y10	995	56	325	37	750	270					200
W2	25	8	Y10	9200	57	200	38	100	9050	100				1136
W2	25	13	Y12	950	58	325	37	750	230					274
W2	25	34	Y12	1150	59	850	37	950	230					869
W2	25	34	Y10	1193	60	850	37	950	268					626
W2	25	16	Y10	300	61	400	38	100	150	100				74
W2 NIB	25	47	Y10	855	62	1175	60	100	300					620
W2 NIB	25	6	Y10	9200	63	150	38	100	9050	100				852
W3	25	8	Y10	1360	70	200	38	630	150	630				168
W3	25	8	Y10	1500	71	200	38	100	1350	100				185
W3	25	8	Y10	1205	72	200	37	750	480					149
W3	25	8	Y12	1142	73	200	37	750	422					203
W3	25	2	Y10	1650	74	50	38	100	1500	100				51
W3	25	4	Y10	300	75	100	38	100	150	100				19
		691				17275								17822



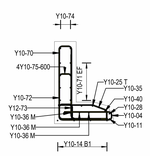
SECTION A 01
1 : 20

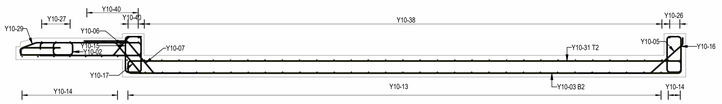


SECTION B 01
1 : 20



SECTION C 01
1 : 20





SECTION D 01
1 : 25

SCHEDULE - WALLS

TYPE MARK	DESCRIPTION
W1	200mm THK R.C WALL
W2	250mm THK R.C WALL

REINFORCEMENT NOTES:

COVER = 50mm ALL ROUND
SPLICE LENGTH = 50 x DIA (OF SMALLER BAR)
F.F = FRONT FACE
B.F = BACK FACE
T = TOP
B = BOTTOM
M = MIDDLE
EF = END FACE
EW = EACH WAY
STOOLS TO SIT ON B1 AND SUPPORT T2

REINFORCEMENT ABBREVIATIONS

NOTES

1. DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
2. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS, DIMENSIONS AND LEVELS ON THE SITE AND NOTIFY THE NEC SUPERVISOR OF ANY VARIATIONS BEFORE CONSTRUCTION.
3. ALL LEVELS ARE IN METERS TO MEAN SEA LEVEL.
4. DRAWINGS MUST BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND GENERAL NOTES DRAWINGS.
5. IF APPLICABLE, DRAWINGS SHALL BE READ IN CONJUNCTION WITH ARCHITECT'S DRAWINGS AND ANY DISCREPANCIES TO BE REPORTED TO THE ENGINEER.

LOCALITY

LEGEND

SYMBOL	DESCRIPTION

NO	DESCRIPTION	BY	CHKD	APPD	DATE
T0	ISSUED FOR TENDER		GPV	GPV	25/07/18

REVISIONS

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ZUTARI
IMPACT. ENGINEERED.

CONTRACTOR / CONSULTANT			
TITLE	NAME	SIGN	DATE
DRAWN	I. TSULO		25/07/11
CHECKED	G.P VENTER		25/07/11
DESIGNED	S. DEYSEL		25/07/11
CHECKED	G.P VENTER		25/07/11
PR.ENG. / PR.TECH./PR. ARCH			
NAME	W. JACKSON		DATE
SIGNATURE			25/07/11
REG. NUMBER			
TITLE	PR.ENG		

TRANSNET NATIONAL PORTS AUTHORITY			
TITLE	NAME	SIGN	DATE
DRAWN			
CHECKED			
DESIGNED			
CHECKED			
PR.ENG. / PR.TECH./PR. ARCH			
NAME			DATE
SIGNATURE			
REG. NUMBER			
SCALE			

TRANSNET
Transnet National Ports Authority
TRANSNET SOC Ltd : REG No. 1990/000900/30
NEWARK ROAD
RICHARDS BAY
TEL: 035 788 0067
PO BOX 181, RICHARDS BAY 3900, SOUTH AFIRCA

PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF RICHARDS BAY

PORT ROADS REHABILITATION & UPGRADE
(REPAIRS TO PORT ROADS)
SILT TRAP 1
REINFORCEMENT LAYOUT & SECTIONS

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E0
PROJECT DRG. NO.		REV.
1006614-DRG-002-BS-ST-01		T0