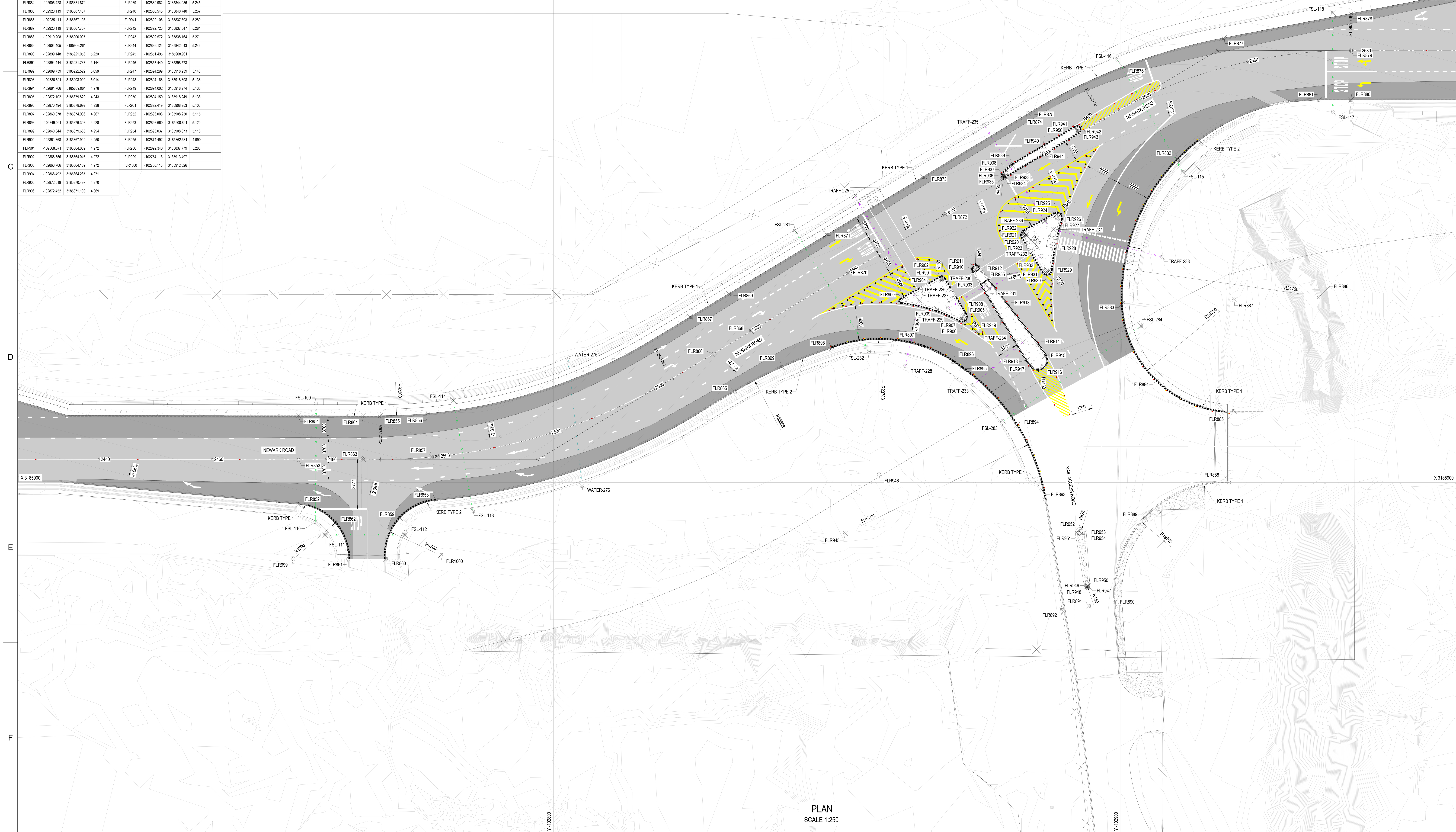
COORDINATES			
POINT	Y	X	LEVEL(m)
FLR852	-102755.015	3185903.838	5.148
FLR853	-102755.018	3185896.020	5.306
FLR854	-102755.021	3185888.201	5.463
FLR855	-102769.467	3185888.207	5.536
FLR856	-102777.849	3185887.829	5.581
FLR857	-102778.545	3185895.497	5.426
FLR858	-102779.241	3185903.166	5.271
FLR859	-102772.957	3185906.283	5.239
FLR860	-102770.418	3185913.502	5.188
FLR861	-102763.818	3185913.500	5.173
FLR862	-102761.632	3185907.362	5.165
FLR863	-102766.481	3185895.906	5.366
FLR864	-102766.484	3185888.206	5.521
FLR865	-102832.028	3185883.980	5.057
FLR866	-102828.059	3185877.381	5.212
FLR867	-102824.089	3185870.783	5.367
FLR868	-102834.877	3185873.280	5.159
FLR869	-102830.908	3185866.681	5.314
FLR870	-102852.015	3185862.970	5.105
FLR871	-102848.046	3185856.372	5.261
FLR872	-102869.153	3185852.660	5.172
FLR873	-102865.184	3185846.062	5.327
FLR874	-102882.322	3185835.753	5.394
FLR875	-102883.812	3185834.857	5.400
FLR876	-102900.474	3185826.640	5.435
FLR877	-102918.340	3185821.550	5.512
FLR878	-102940.720	3185817.272	5.682
FLR879	-102940.720	3185823.801	5.550
FLR880	-102940.720	3185832.498	5.389
FLR881	-102935.110	3185832.498	5.362
FLR882	-102910.161	3185843.082	5.257
FLR883	-102900.431	3185868.376	5.152
FLR884	-102906.428	3185881.872	
FLR885	-102920.119	3185887.407	
FLR886	-102935.111	3185867.198	
FLR887	-102920.119	3185867.707	
FLR888	-102919.208	3185900.007	
FLR889	-102904.405	3185906.261	
FLR890	-102899.148	3185921.053	5.220
FLR891	-102894.444	3185921.787	5.144
FLR892	-102889.739	3185922.522	5.058
FLR893	-102886.691	3185903.000	5.014
FLR894	-102881.706	3185889.961	4.978
FLR895	-102872.102	3185879.829	4.943
FLR896	-102870.494	3185878.692	4.938
FLR897	-102860.078	3185874.936	4.967
FLR898	-102849.091	3185876.303	4.928
FLR899	-102840.344	3185879.663	4.994
FLR900	-102861.368	3185867.949	4.950
FLR901	-102868.371	3185864.069	4.972
FLR902	-102868.556	3185864.046	4.972
FLR903	-102868.706	3185864.159	4.972
FLR904	-102868.492	3185864.287	4.971
FLR905	-102872.519	3185870.497	4.970
FLR906	-102872.452	3185871.100	4.969

COORDINATES			
POINT	Y	X	LEVEL(m)
FLR907	-102871.853	3185871.195	4.965
FLR908	-102872.091	3185870.755	4.967
FLR909	-102867.631	3185869.364	4.954
FLR910	-102874.106	3185862.563	4.988
FLR911	-102874.235	3185861.961	4.990
FLR912	-102874.844	3185862.051	4.992
FLR913	-102880.112	3185868.907	5.018
FLR914	-102885.379	3185875.762	5.042
FLR915	-102886.695	3185877.701	5.048
FLR916	-102886.265	3185879.642	5.046
FLR917	-102884.302	3185879.329	5.031
FLR918	-102883.583	3185878.316	5.027
FLR919	-102878.844	3185870.439	5.008
FLR920	-102882.936	3185856.588	5.025
FLR921	-102882.882	3185856.201	5.022
FLR922	-102883.123	3185855.894	5.022
FLR923	-102883.365	3185856.331	5.027
FLR924	-102888.615	3185852.850	5.040
FLR925	-102889.171	3185852.898	5.045
FLR926	-102889.336	3185853.432	5.051
FLR927	-102888.857	3185853.288	5.046
FLR928	-102888.217	3185857.933	5.069
FLR929	-102887.540	3185862.521	5.078
FLR930	-102887.152	3185862.960	5.074
FLR931	-102886.613	3185862.729	5.071
FLR932	-102887.042	3185862.472	5.075
FLR933	-102879.675	3185845.922	5.221
FLR934	-102879.543	3185845.976	5.221
FLR935	-102879.400	3185845.985	5.221
FLR936	-102879.279	3185845.900	5.224
FLR937	-102879.289	3185845.752	5.227
FLR938	-102880.050	3185844.832	5.238
FLR939	-102880.982	3185844.086	5.245
FLR940	-102886.545	3185840.740	5.267
FLR941	-102892.108	3185837.393	5.289
FLR942	-102892.726	3185837.547	5.281
FLR943	-102892.572	3185838.164	5.271
FLR944	-102886.124	3185842.043	5.246
FLR945	-102851.495	3185908.981	
FLR946	-102857.440	3185898.573	
FLR947	-102894.299	3185918.239	5.140
FLR948	-102894.168	3185918.398	5.138
FLR949	-102894.002	3185918.274	5.135
FLR950	-102894.150	3185918.249	5.138
FLR951	-102892.419	3185908.953	5.106
FLR952	-102893.006	3185908.250	5.115
FLR953	-102893.660	3185908.891	5.122
FLR954	-102893.037	3185908.873	5.116
FLR955	-102874.492	3185862.331	4.990
FLR956	-102892.340	3185837.779	5.280
FLR999	-102754.118	3185913.497	
FLR1000	-102780.118	3185912.826	

TRAFFIC SIGNAL SLEEVE SETTING OUT POINTS		
POINT	Y	X
TRAFF225	-102853.151	3185849.494
TRAFF226	-102863.800	3185867.155
TRAFF227	-102864.592	3185867.914
TRAFF228	-102862.093	3185879.426
TRAFF229	-102869.635	3185869.277
TRAFF230	-102876.372	3185865.189
TRAFF231	-102876.818	3185865.869
TRAFF232	-102886.102	3185860.057
TRAFF233	-102874.076	3185882.807
TRAFF234	-102882.916	3185875.161
TRAFF235	-102875.974	3185836.983
TRAFF236	-102886.718	3185853.870
TRAFF237	-102888.234	3185855.349
TRAFF238	-102907.429	3185860.235

SLEEVES SETTING OUT POINT		
POINT	Y	X
FSL109	-102758.095	3185886.056
FSL110	-102758.019	3185906.933
FSL111	-102759.704	3185909.268
FSL112	-102773.817	3185909.268
FSL113	-102785.767	3185905.006
FSL114	-102782.353	3185885.524
FSL115	-102911.080	3185845.249
FSL116	-102899.502	3185825.501
FSL117	-102937.558	3185834.698
FSL118	-102937.558	3185817.182

WATER SETTING OUT POINT		
POINT	Y	X
WATER275	-102802.651	3185878.370
WATER276	-102805.040	3185900.569



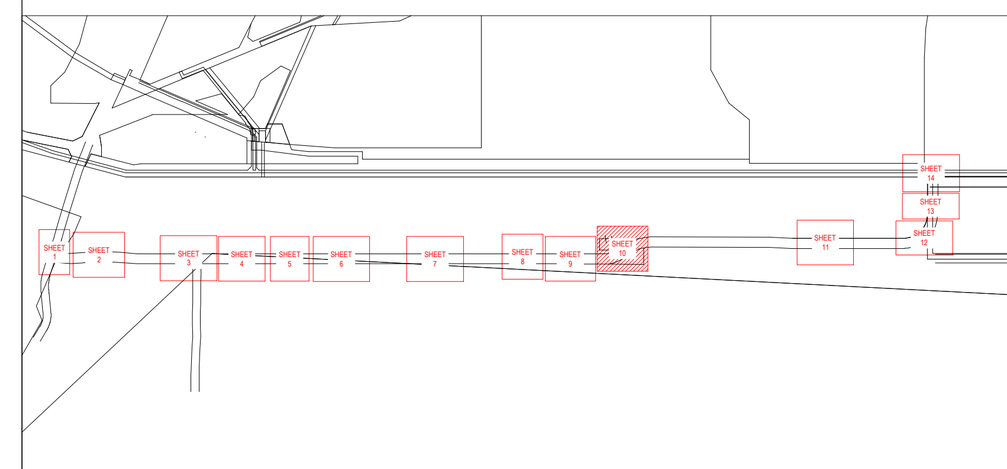
PLAN
SCALE 1:250

REFERENCE DRAWINGS :

1006614-DRG-08-NW-CC-U006 NEWARK SETTING OUT LAYOUT SHEET 6 OF 9
1006614-DRG-09-NW-CC-L007 NEWARK ROAD LONGSECTION PLAN CH2400 - CH2800 SHEET 7 OF 11
1006614-DRG-12-NW-CC-U006 NEWARK ROAD PAVEMENT LAYOUT PLAN SHEET 6 OF 18
1006614-DRG-12-NW-CC-U015 NEWARK ROAD PAVEMENT LAYOUT PLAN SHEET 15 OF 18
1006614-DRG-13-NW-CC-U006 NEWARK ROAD SIGNAGE LAYOUT PLAN SHEET 6 OF 9
1006614-DRG-00-NW-CC-D001 RAIL CROSSING DETAIL
1006614-DRG-02-NW-CC-D001 TYPICAL FENCING & GATE DETAILS 1
1006614-DRG-05-NW-CC-D001 BUS BAY & SHELTER DETAILS
1006614-DRG-08-NW-CC-D001 TYPICAL ROAD SECTIONS 1
1006614-DRG-08-NW-CC-D002 TYPICAL ROAD SECTIONS 2
1006614-DRG-08-NW-CC-D003 KERBING DETAILS 1
1006614-DRG-08-NW-CC-D004 KERBING DETAILS 2
1006614-DRG-08-NW-CC-D005 SIDEWALK DETAILS
1006614-DRG-08-NW-CC-D006 GUARDRAIL DETAILS: ARMCO
1006614-DRG-08-NW-CC-D007 BALUSTRADE DETAILS
1006614-DRG-12-NW-CC-D001 PAVEMENT LAYERWORKS DETAILS
1006614-DRG-12-NW-CC-D002 PAVEMENT JOINT DETAILS
1006614-DRG-13-NW-CC-D001 ROAD MARKINGS SPECIFICATIONS
1006614-DRG-13-NW-CC-D002 ROAD SIGNAGE SPECIFICATIONS
1006614-DRG-14-NW-CC-D001 ROAD DRAINAGE : KERB INLET DETAILS
1006614-DRG-14-NW-CC-D002 ROAD DRAINAGE: GRID INLET DETAILS
1006614-DRG-14-NW-CC-D003 ROAD DRAINAGE: JUNCTION BOX DETAILS 1
1006614-DRG-14-NW-CC-D004 ROAD DRAINAGE: JUNCTION BOX DETAILS 2
1006614-DRG-14-NW-CC-D005 ROAD DRAINAGE: PIPE TRENCHING DETAILS
1006614-DRG-14-NW-CC-D006 ROAD DRAINAGE: CHANNEL DETAILS
1006614-DRG-14-NW-CC-D007 ROAD DRAINAGE: PIPE CULVERT INLET / OUTLET DETAILS
1006614-DRG-14-NW-CC-D008 ROAD DRAINAGE: SILT TRAP DETAILS - TYPE 1
1006614-DRG-14-NW-CC-D009 ROAD DRAINAGE: SILT TRAP DETAILS - TYPE 2
1006614-DRG-14-NW-CC-D010 ROAD DRAINAGE: DRAINAGE CHUTE DETAILS
1006614-DRG-14-NW-CC-D011 ROAD DRAINAGE: SUBSOIL DRAINAGE DETAILS

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.



KEYPLAN

LOCALITY



LEGEND

SYMBOL	DESCRIPTION
	PROPOSED ROAD
	EXISTING ROAD
	PROPOSED SIDEWALK/MEDIAN
	PROPOSED GUARD RAIL
	PROPOSED HAND RAIL
	EXISTING FENCE
	PROPOSED RELOCATED FENCE
	EXISTING ROADWAY
	PROPOSED VERTICAL RETAINING WALL
X%	ROAD SLOPE
FLRXXX	FINAL LEVEL ROAD SETTING OUT POINT
	PROPOSED TRAFFIC SLEEVE (2x110mm Ø)
	PROPOSED SLEEVE (3x160mm Ø)
	PROPOSED WATER SLEEVE (1x450mm Ø)
TRAFFXXX	TRAFFIC SLEEVE SETTING OUT POINT
FSLXXX	SLEEVE SETTING OUT POINT
WATERXXX	WATER SLEEVE SETTING OUT POINT

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
E2	FOR TENDER	RR	HVDM	HVDM	18 07 25
E1	FOR TENDER	RR	HVDM	HVDM	26 06 25

REVISIONS

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ZUTARI
IMPACT. ENGINEERED.

CONTRACTOR / CONSULTANT			
TITLE	NAME	SIGN	DATE
DRAWN	W. BOTES		18 07 25
CHECKED	H. VAN DER MERWE		18 07 25
DESIGNED	R. RANGE		18 07 25
CHECKED	H. VAN DER MERWE		18 07 25
PR.ENG. / PR.TECH./PR. ARCH			
NAME	H. VAN DER MERWE		DATE
SIGNATURE			18 07 25
REG. NUMBER	201270177		
TITLE	Pr. TechENG		

TRANSNET NATIONAL PORTS AUTHORITY			
TITLE	NAME	SIGN	DATE
DRAWN			
CHECKED			
DESIGNED			
CHECKED			
PR.ENG. / PR.TECH./PR. ARCH			
NAME			DATE
SIGNATURE			
REG. NUMBER			
SCALE	1:200		

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) SETTING OUT PLAN: NEWARK / PORT RAIL OPERATIONS ACCESSES 2 INTERSECTIONS
SHEET 10 OF 14

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-09-NW-CC-I010	T2