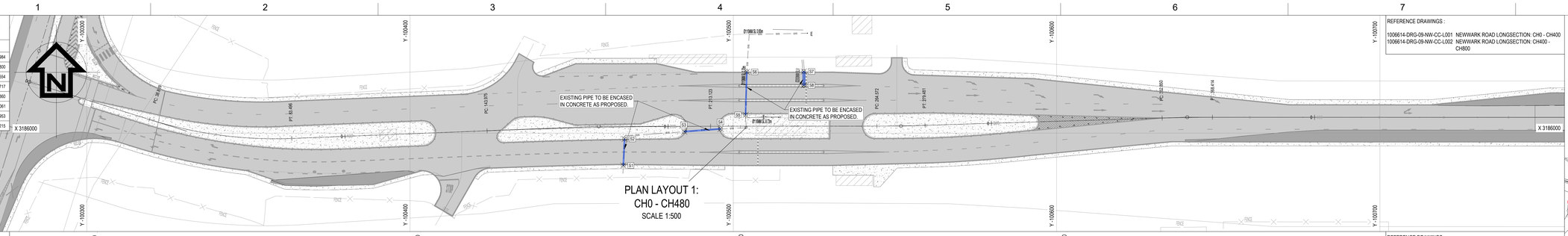
COORDINATES

POINT	Y	X
S1	-100465.966	3185909.984
S2	-100466.365	3185901.800
S3	-100484.845	3185899.554
S4	-100496.031	3185898.717
S5	-100503.798	3185894.360
S6	-100504.182	3185881.061
S7	-100521.800	3185880.953
S8	-100521.815	3185886.215



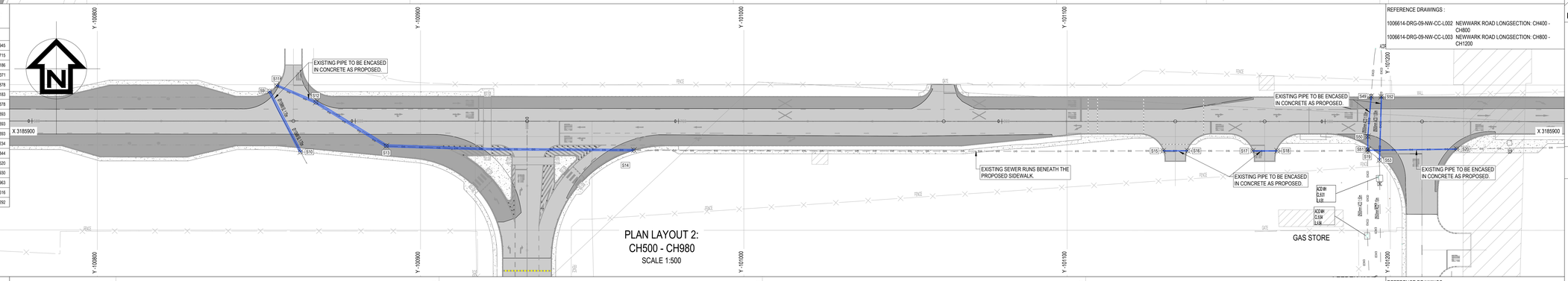
PLAN LAYOUT 1:
CH0 - CH480
SCALE 1:500

REFERENCE DRAWINGS :

1006614-DRG-09-NW-CC-L001 NEWWARK ROAD LONGSECTION: CH0 - CH400
1006614-DRG-09-NW-CC-L002 NEWWARK ROAD LONGSECTION: CH400 - CH800

COORDINATES

POINT	Y	X
S9	-100853.278	3185885.945
S10	-100862.883	3185904.715
S11	-100855.455	3185884.186
S12	-100867.623	3185889.371
S13	-100889.406	3185902.878
S14	-100965.998	3185904.183
S15	-101129.703	3185904.378
S16	-101137.307	3185904.393
S17	-101157.403	3185904.393
S18	-101165.007	3185904.393
S19	-101192.927	3185904.234
S20	-101220.536	3185903.844
S49	-101194.034	3185887.520
S50	-101193.017	3185899.930
S51	-101193.002	3185903.963
S52	-101197.170	3185887.616
S53	-101196.608	3185907.292



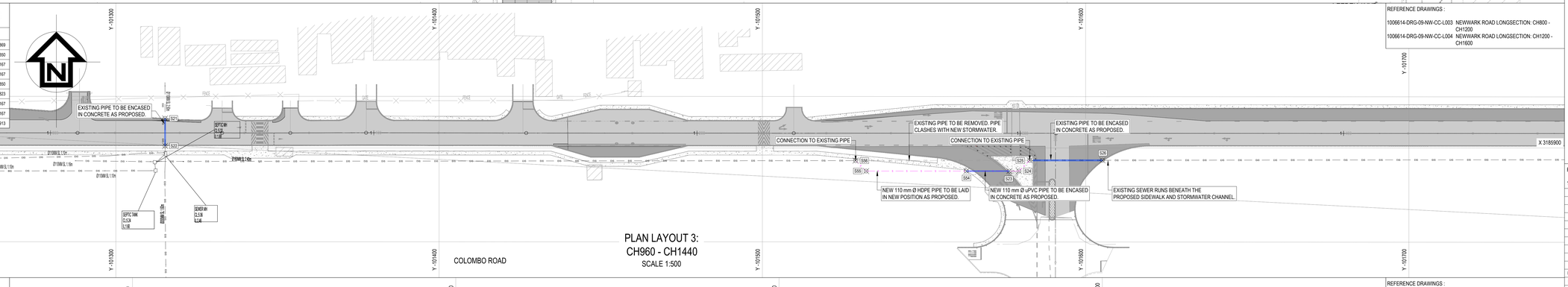
PLAN LAYOUT 2:
CH500 - CH980
SCALE 1:500

REFERENCE DRAWINGS :

1006614-DRG-09-NW-CC-L002 NEWWARK ROAD LONGSECTION: CH400 - CH800
1006614-DRG-09-NW-CC-L003 NEWWARK ROAD LONGSECTION: CH800 - CH1200

COORDINATES

POINT	Y	X
S21	-101315.235	3185890.869
S22	-101315.252	3185899.350
S23	-101576.381	3185907.167
S24	-101579.381	3185907.167
S25	-101582.698	3185903.850
S26	-101605.194	3185903.823
S54	-101563.111	3185907.167
S55	-101532.087	3185907.167
S56	-101528.834	3185903.913



PLAN LAYOUT 3:
CH960 - CH1440
SCALE 1:500

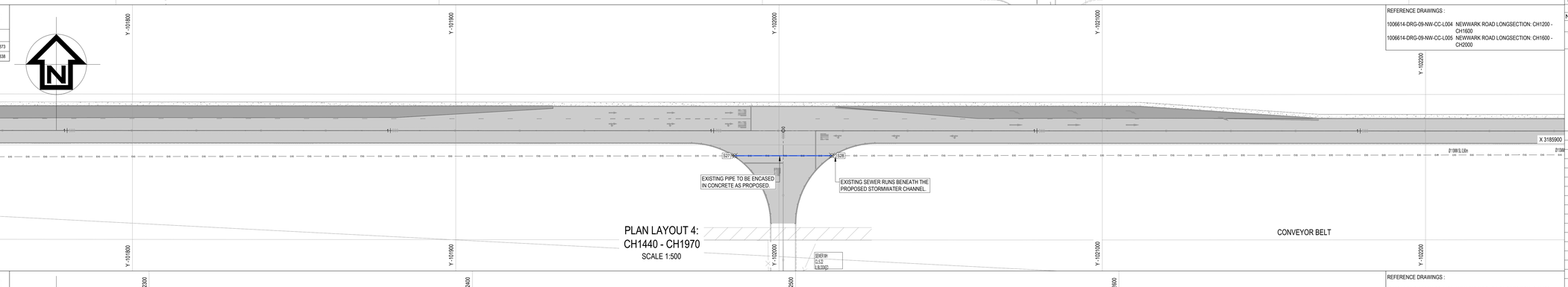
COLOMBO ROAD

REFERENCE DRAWINGS :

1006614-DRG-09-NW-CC-L003 NEWWARK ROAD LONGSECTION: CH800 - CH1200
1006614-DRG-09-NW-CC-L004 NEWWARK ROAD LONGSECTION: CH1200 - CH1600

COORDINATES

POINT	Y	X
S27	-101986.278	3185903.373
S28	-102016.373	3185903.338



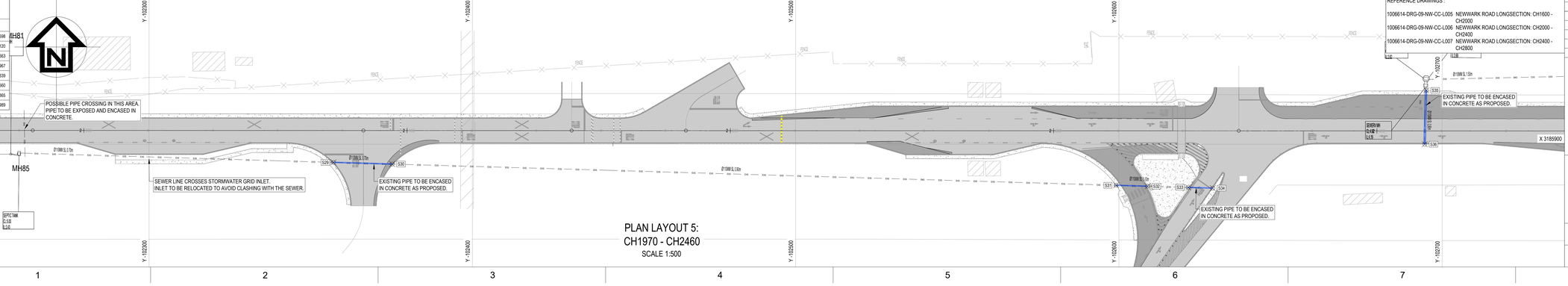
PLAN LAYOUT 4:
CH1440 - CH1970
SCALE 1:500

REFERENCE DRAWINGS :

1006614-DRG-09-NW-CC-L004 NEWWARK ROAD LONGSECTION: CH1200 - CH1600
1006614-DRG-09-NW-CC-L005 NEWWARK ROAD LONGSECTION: CH1600 - CH2000

COORDINATES

POINT	Y	X
S29	-102357.045	3185905.598
S30	-102375.198	3185906.120
S31	-102599.126	3185912.663
S32	-102608.884	3185912.967
S33	-102621.457	3185913.339
S34	-102629.033	3185913.560
S35	-102695.091	3185883.365
S36	-102694.584	3185899.989



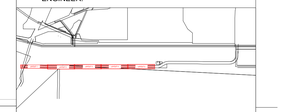
PLAN LAYOUT 5:
CH1970 - CH2460
SCALE 1:500

REFERENCE DRAWINGS :

1006614-DRG-09-NW-CC-L005 NEWWARK ROAD LONGSECTION: CH1600 - CH2000
1006614-DRG-09-NW-CC-L006 NEWWARK ROAD LONGSECTION: CH2000 - CH2400
1006614-DRG-09-NW-CC-L007 NEWWARK ROAD LONGSECTION: CH2400 - CH2800

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
	EXISTING SEWER
	EXISTING SEWER MANHOLE
	EXISTING SEWER SEPTIC TANK
	PROPOSED SEWER LINE
	PROPOSED CONCRETE ENCASEMENT
EXCO	EXISTING ACID
EXS	EXISTING PIPE TO BE REMOVED

REFERENCE DRAWINGS :

1006614-DRG-20-NW-CC-D005 SEWER BEDDING DETAILS

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	I. SEBOLA		18 07 25
CHECKED	H.VAN DER MERWE		18 07 25
DESIGNED	I. SEBOLA		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	201270214	
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 1:500	

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 AFRICA

PROJECT / AREA / ASSET / SUBJECT/DRAWING TITLE

PORT OF RICHARDS BAY

PORT ROADS REHABILITATION & UPGRADE (REPAIRS TO PORT ROADS)
SERVICES RELOCATION AND PROTECTION
PLAN - SEWER SHEET 1 OF 1

PAPER SIZE	TRANSNET DRW. NO.	REV.
A0	TBC	E2
	PROJECT DRG. NO.	REV.
	1006614-DRG-20-NW-CC-U003	T2