SETTING OUT COORDINATES

Name	Y	X
P1	-4962.380	3306093.785
P2	-4972.325	3306080.602
P3	-4982.275	3306068.085
P4	-4985.173	3306064.347
P5	-5005.425	3306038.188
P6	-5025.635	3306011.957
P7	-5028.689	3306008.038
P8	-5055.642	3305973.107
P9	-5082.622	3305938.196
P10	-5085.583	3305934.242
P11	-5090.739	3305927.877
P12	-5091.580	3305926.607
P13	-5114.795	3305896.569
P14	-5143.864	3305858.969
P15	-5148.879	3305852.483
P16	-5162.538	3305834.815
P17	-5186.578	3305803.720
P18	-5210.621	3305772.611
P18.1	-5219.844	3305760.638
P19	-4958.426	3306090.724
P20	-4968.371	3306077.872
P21	-4978.318	3306065.028
P22	-4981.216	3306061.290
P23	-5001.469	3306035.131
P24	-5021.678	3306008.940
P25	-5024.732	3306004.981
P26	-5051.686	3305970.050
P27	-5078.660	3305935.134
P28	-5081.718	3305931.179
P29	-5082.773	3305929.813
P30	-5087.623	3305923.541
P31	-5110.943	3305893.507
P32	-5139.912	3305855.906
P33	-5144.526	3305849.421
P34	-5168.582	3305831.758
P35	-5192.622	3305800.663
P36	-5206.644	3305782.054
P36.1	-5215.889	3305757.579
P37	-4956.541	3306089.265
P38	-4966.469	3306076.399
P39	-4976.391	3306063.539
P40	-4979.281	3306059.795
P41	-4999.491	3306033.602
P42	-5019.699	3306007.412
P43	-5022.754	3306003.453
P44	-5040.707	3305968.521
P45	-5076.682	3305933.606
P46	-5110.564	3305893.295
P47	-5138.635	3305855.992
P48	-5144.649	3305849.206
P49	-5158.305	3305831.544
P50	-4953.190	3306086.052
P51	-4962.835	3306073.587
P52	-4972.778	3306060.748
P53	-4975.677	3306057.010
P54	-4995.931	3306030.850
P55	-5016.138	3306004.661
P56	-5076.970	3305927.510
P57	-5082.880	3305918.866
P58	-5105.273	3305886.901
P59	-4974.094	3306055.788
P60	-4994.348	3306029.627
P61	-5014.595	3306003.438
P62	-5017.689	3305999.540
P63	-5044.643	3305964.608
P64	-5071.617	3305929.693
P65	-5074.676	3305925.736
P66	-5080.587	3305918.090
P67	-5104.444	3305887.233
P68	-5106.754	3305885.627
P69	-5137.221	3305854.074

CONTROL POINTS

Name	Y	X	Z	Type
PRT1	-4924.029	3306176.679	2.799	12mm S/Steel
PRT2	-4911.078	3306070.454	3.342	12mm S/Steel
PRT3	-4993.669	3306094.768	3.864	12mm S/Steel
PRT4	-5049.118	3305948.325	4.066	12mm S/Steel
PRT5	-5226.997	3305728.749	4.251	12mm S/Steel
PRT80	-5214.136	3305756.981	3.206	12mm S/Steel

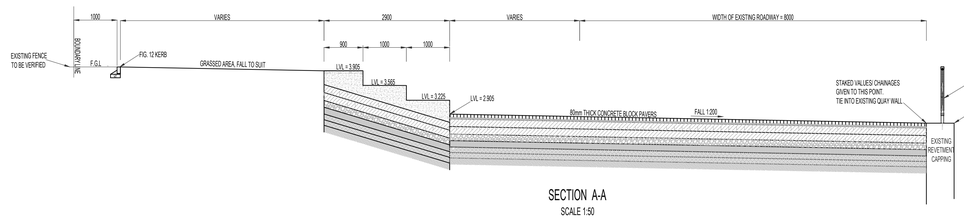
BENCHMARKS TO BE VERIFIED ON SITE PRIOR TO ANY CONSTRUCTION TAKING PLACE

PROMENADE DEVELOPMENT EDGE COORDINATES

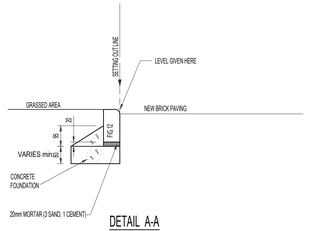
Name	Y	X
B1	-4951.519	3306084.747
B2	-4960.152	3306043.758
B3	-5008.786	3306002.769
B4	-5037.430	3305961.780
B5	-5066.075	3305920.806
B6	-5094.720	3305879.824
B7	-5123.364	3305838.842
B8	-5138.929	3305816.573

LIGHT POLE COORDINATES

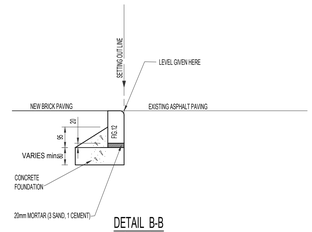
ID	Y	X
POLE 1	-4961.196	3306080.268
POLE 2	-4985.714	3306048.663
POLE 3	-5010.241	3306017.085
POLE 4	-5034.768	3305985.426
POLE 5	-5058.817	3305953.577
POLE 6	-5066.857	3305918.298
POLE 7	-5110.585	3305886.080
POLE 8	-5135.113	3305854.441
POLE 9	-5153.490	3305830.771
POLE 10	-5168.171	3305816.945
POLE 11	-5186.510	3305793.316
POLE 12	-5204.866	3305769.605



SECTION A-A
SCALE 1:50



DETAIL A-A
Scale 1:10



DETAIL B-B
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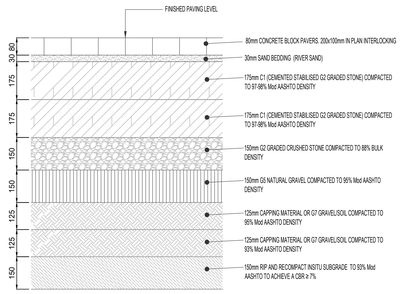
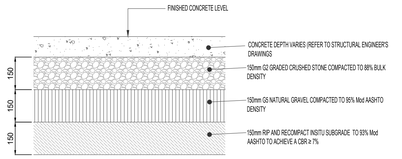


LAYERWORKS DETAILS - PROMENADE
SCALE 1 : 10



LAYERWORKS DETAILS - PROMENADE SITTING AREA
SCALE 1 : 10

EARTHWORKS NOTES:

1. ANY DISCREPANCIES IN LEVELS AND SETTING OUT DATA TO BE QUERIED WITH THE NE3 SUPERVISOR PRIOR TO COMMENCEMENT OF ANY WORK.
2. BEFORE PLACING ANY FILL MATERIAL, THE EXISTING GROUND SURFACE MUST BE CLEARED AND GRUBBED OF ALL VEGETATION AND ORGANIC MATTER WHERE APPLICABLE.
3. TOPSOIL 200mm MUST BE STRIPPED AND STOCKPILED. WHERE THE MATERIAL GROUND LINE IS STEEPER THAN 1:6, BENCHING MUST BE EXCAVATED INTO EXISTING SURFACE PRIOR TO RECEIVING FILL.
4. UNLESS OTHERWISE INDICATED, ALL BANK BATTERS TO BE : 1:1.5 CUT AND 1:2 FILL.
5. THE UNCOMPACTED THICKNESS OF FILL LAYERS SHALL NOT EXCEED 300mm
6. LOCATE ALL EXISTING SERVICES PRIOR TO ANY CONSTRUCTION TAKING PLACE.

GENERAL NOTES:

1. THE CONTRACTOR WILL BE DEEMED TO HAVE INSPECTED THE SITE AND BE IN AGREEMENT WITH THE WORKS REQUIRED AS PER THE TENDER DOCUMENTS
2. VARIATIONS DEEMED NECESSARY BY THE CONTRACTOR SHALL BE FORWARDED TO THE PROJECT MANAGER IN WRITING FOR APPROVAL BEFORE ANY CONSTRUCTION BASED ON THE VARIATION COMMENCES.
3. SERVICES SHOWN ON DRAWING ARE KNOWN OR SOURCED FROM EXISTING DRAWINGS. THE CONTRACTOR MUST ENSURE THAT ALL SERVICES THAT INTERSECT OR RUN ALONGSIDE THE PROPOSED WORKS ARE LOCATED BEFORE CONSTRUCTION COMMENCES. ANY CLASHES SHALL BE REPORTED TO THE PROJECT MANAGER IN WRITING. THE CONTRACTOR SHALL BE HELD LIABLE FOR ANY DAMAGES TO EXISTING SERVICES DUE TO NEGLIGENCE.
4. ALL EXISTING PIPES AND MANHOLES INCORPORATED INTO THE NEW SYSTEM SHALL HAVE DEFECTS RECTIFIED TO COMPLY TO STANDARDS FOR NEW WORKS.
5. ALL LEVELS AND DIMENSIONS SHALL BE CHECKED BEFORE ANY WORK COMMENCES. FAILURE TO DO SO SHALL DEEM THE CONTRACTOR LIABLE FOR ANY WORK REQUIRED TO RECTIFY ERRORS AS A RESULT OF THE FAILURE TO CHECK THE LEVELS AND DIMENSIONS.
6. ALL DIMENSIONS ARE IN MILLIMETERS/METERS AND LEVELS ARE IN METERS, UNLESS OTHERWISE INDICATED.
7. THE LATEST REVISION OF SANS SPECIFICATIONS SHALL APPLY. ALL WORK SHALL BE DONE IN ACCORDANCE WITH RELEVANT SANS SPECIFICATIONS, UNLESS OTHERWISE INDICATED.
8. ALL LENGTHS SHOWN SHALL BE CONFIRMED ON SITE BY CONTRACTOR.

ELECTRICAL NOTES:

1. ALL DUCT PIPES SHALL COMPRISE uPVC PIPES TO SANS 791 (CLASS 34, HOMOGENOUS SOLID-WALL PIPES)
2. BEDDING OF DUCTS SHALL BE FOR FLEXIBLE PIPES, IN ACCORDANCE WITH SANS 1200 LB.
3. ALL DUCTS LESS THAN 800mm COVER TO BE CONCRETE ENCASED OR UNLESS OTHERWISE STATED.
4. NB. ALL MANHOLE COVERS TO SUIT CROSSFALL OF FINISHED PAVING AND PIPE ENDS TO BE DAY LIGHTED. USING A 600mm LONG RADIUS BEND ON SLANDS AND IN BUILDINGS.
5. THE CONTRACTOR SHALL SUBMIT A FULL SET OF AS-BUILT DRAWINGS UPON COMPLETION OF THE INSTALLATION.
6. ANY DISCREPANCIES IN LEVELS AND SETTING OUT DATA TO BE QUERIED WITH THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK.

EXISTING SERVICES NOTES:

1. ALL KNOWN SERVICES ARE PROVIDED ON THE DRAWING, HOWEVER, DUE TO THE LACK OF ADEQUATE AS-BUILT RECORDS, THE CONTRACTOR WILL BE REQUIRED TO PROVE SERVICES PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO ENSURE THAT THE SERVICES ARE NOT DAMAGED. AS SOON AS ANY UNDERGROUND SERVICE NOT SHOWN ON THE DRAWINGS IS DISCOVERED, IT SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CONTRACTOR MUST IN COLLABORATION WITH THE SUPERVISOR ASCERTAIN WHETHER OR NOT THE SERVICE IS LIVE. THE CONTRACTOR SHALL NOT UPLIFT ANY SUCH SERVICE UNLESS HE IS INSTRUCTED TO DO SO.
3. ALL EXISTING MANHOLE COVERS TO BE UPLIFTED WHERE NECESSARY. COVER LEVEL AND FALL TO SUIT FINISHED ROAD LEVEL.
4. THE EXISTING FENCE WAS REPLACED POST THE DESIGNATE PHASE, CONTRACTOR TO VERIFY FENCE DETAILS PRIOR TO CONSTRUCTION

LEGEND

- CONTROL POINTS
- EXISTING STORMWATER MANHOLE
- EXISTING COMMS MANHOLE
- EXISTING ELECTRICAL MANHOLE
- EXISTING LIGHT POLE
- EXISTING BUILDING
- NEW PAVING BLOCKS (FOR PAVING PATTERNS REFER TO ARCHITECTURAL DRAWINGS)
- NEW ASPHALT PAVING
- GRASSED AREA
- EXISTING SECURITY FENCE
- CHAINAGE
- EXISTING ROAD EDGE
- EXISTING WATER VALVE
- EXISTING SEWER MANHOLE
- EXISTING CONCRETE MANHOLE COVER
- EXISTING GUARDRAIL
- NEW 110mm Dia ELECTRICAL uPVC SLEEVE
- NEW BALUSTRADE
- NEW ELECTRICAL LIGHT POLE
- NEW SECURITY FENCE
- SETTING OUT POINTS

ADDITIONAL NOTES:

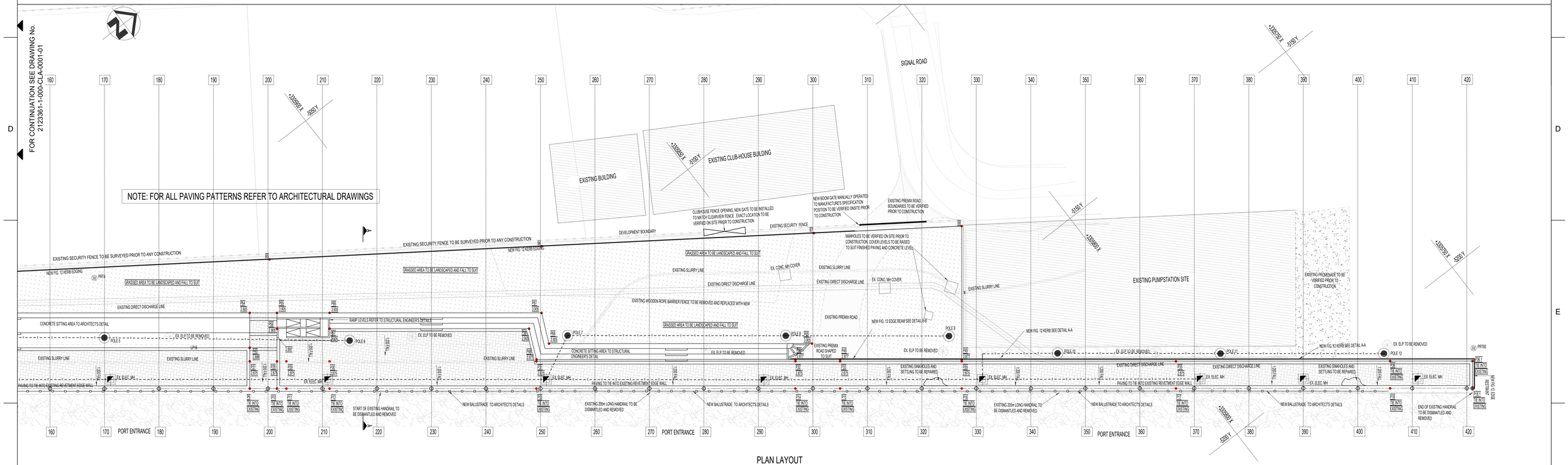
NOTE 1 : ALL MANHOLE COVERS AFFECTED TO BE ADJUSTED/ UPLIFTED TO SUIT NEW FINISHED PAVING LEVEL

NOTE 2 : ALL LIGHT POLES TO BE REMOVED AND NEW POLES INSTALLED AS PER ELECTRICAL ENGINEER'S RECOMMENDATION

NOTE 3 : FOR NEW FENCE DETAILS REFER TO THE ARCHITECT'S AND STRUCTURAL ENGINEER'S DRAWINGS.

NOTE 4 : ALL SERVICES TO BE VERIFIED ON SITE PRIOR TO ANY CONSTRUCTION

FOR CONTINUATION SEE DRAWING No. 2123361-1-000-CLA-0001-01



PLAN LAYOUT
SCALE 1: 250

NOTES:

a. MEASUREMENTS ARE BASED ON METRIC SYSTEM.
b. ALL LEVELS ARE IN METERS TO MEAN SEA LEVELS (MSL)
c. DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.
d. THE CONTRACTOR SHALL VERIFY ALL SERVICES OR CONDITIONS ON THE SITE AND NOTIFY THE ENGINEERING OF ANY VARIATIONS FROM DIMENSIONS BEFORE CONSTRUCTION.

DRAWING NO.	REFERENCE
XDNE048-1-000-CLA-0001-02_0A	DEMOLITION LAYOUT
XDNE048-1-000-CSE-0001-02_0A	CROSS SECTIONS
XDNE048-1-000-CLA-0001-01_0A	SITE LAYOUT (SHEET 1 OF 2)
XDNE048-1-000-CGA-0001-01_0A	GENERAL ARRANGEMENT

REFERENCE DRAWINGS

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
0A	ISSUED FOR TENDER	SM	MT	MT	2024.04.17

REVISIONS

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CONTRACTOR / CONSULTANT			
TITLE	NAME	SIGN	DATE
.	.	.	. . .

OPERATING DIVISIONS			
TITLE	NAME	SIGN	DATE
.	.	.	. . .

NATIONAL PORTS AUTHORITY			
TITLE	NAME	SIGN	DATE
DRAWN	SM		17 04 24
CHECKED	MT		17 04 24
DESIGNED	MT		17 04 24
CHECKED	AG		17 04 24

PR.ENG. / PR.TECH./PR. ARCH		
NAME	M TYEBI	DATE
SIGNATURE		17 04 24
REG. NUMBER	2018600105	
SCALE :	AS SHOWN	A0

Transnet National Ports Authority
237 MAHATMA GANDHI ROAD
DURBAN
P.O. BOX 38163, DURBAN
TEL: 031 361 1696
FAX: 0866 770815

PORT OF DURBAN

DURBAN HARBOUR ENTRANCE. NORTH GROYNE PROMENADE TERRACING

SITE LAYOUT (SHEET 02 OF 02)

PROJECT NUMBER	OID	FBS	DIS	TYPE	DRAWING NO.	SHEET	REV	ID
XDNE048-1-000-CLA-0001-01	X	D N E 0 4 8	T	0 0 0	C L A	0 0 1	0 2	0 A MT