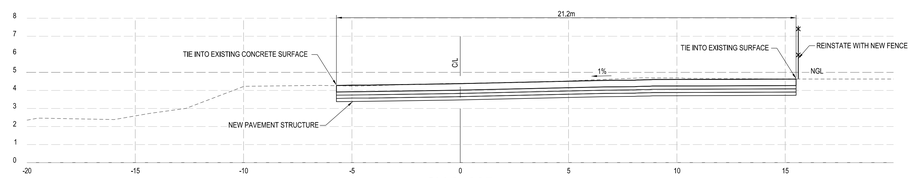
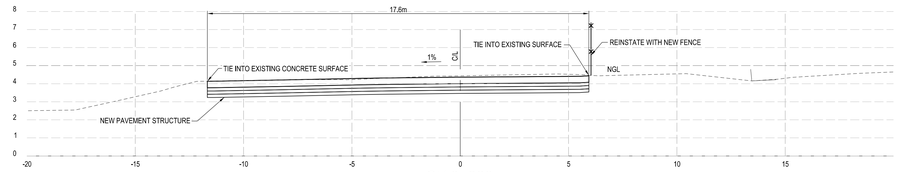


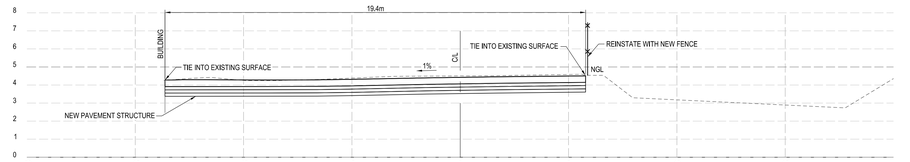
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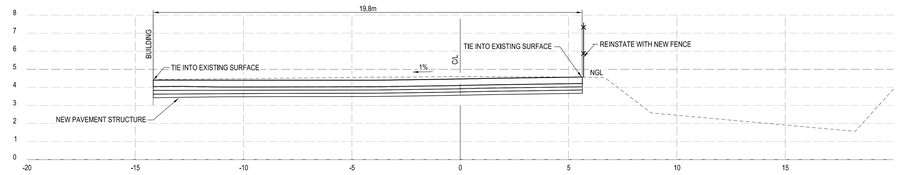
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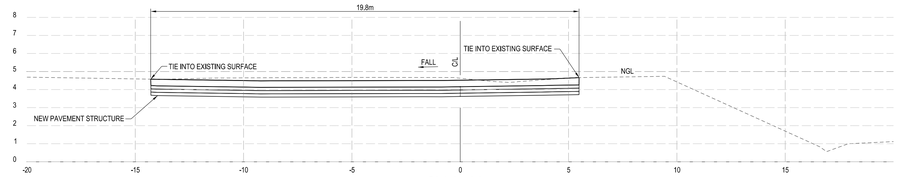
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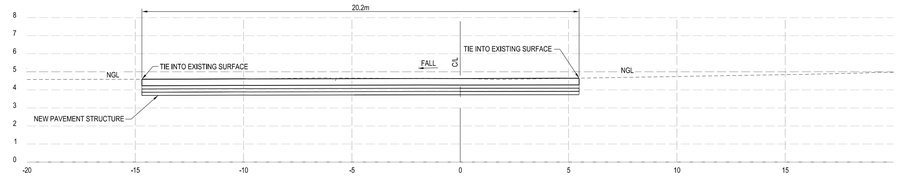
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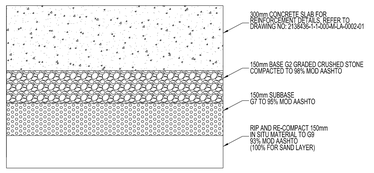
SV 0+010
SCALE 1:100



SV 0+005
SCALE 1:100



SV 0+000
SCALE 1:100



PROPOSED PAVEMENT STRUCTURE
SCALE 1 : 10

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, UNLESS ALTERNATIVE PROPOSALS WITH COST IMPLICATIONS ARE RECEIVED TOGETHER WITH THE TENDER DOCUMENTS. ALTERNATIVE PROPOSALS SUBMITTED DURING CONSTRUCTION SHALL BE ON A DESIGN AND CONSTRUCT BASIS, WITH THE DESIGN AT CONTRACTOR'S EXPENSE.

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. DIMENSIONS SHOWN ON DRAWINGS SHALL TAKE PREFERENCE OVER DIMENSIONS SCALED.

6. 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.

7. ALL DIMENSIONS ARE IN MILLIMETERS AND LEVELS ARE IN METERS, UNLESS OTHERWISE INDICATED.

8. THE LATEST REVISION OF SANS SPECIFICATIONS SHALL APPLY, ALL WORK SHALL BE DONE IN ACCORDANCE WITH RELEVANT SANS SPECIFICATIONS, UNLESS OTHERWISE INDICATED.

9. ALL LENGTHS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED ON SITE BY CONTRACTOR.

10. THE CONTRACTOR TO BE SLOPED THE ACCESS PLATFORM EVENLY TO TIE IN THE POINTS AND MAKE NEAT.

11. CONTRACTOR SHALL VERIFY THE POSITION AND LEVEL OF EXISTING TUNNEL WALLS AND SOFFIT ON SITE PRIOR TO CONSTRUCTION, AS THESE MAY AFFECT THE PROPOSED LAYERWORKS. LAYERWORKS SHALL BE MAINTAINED UP TO THE LEVEL OF THE EXISTING TUNNEL.

EARTHWORKS

1. ANY DISCREPANCIES IN LEVELS AND SETTING OUT DATA TO BE QUERIED WITH THE ENGINEER PRIOR TO COMMENCEMENT OF ANY WORK.

2. ALL WORKMANSHIP TO BE IN ACCORDANCE WITH SANS 1200 PART D - EARTHWORKS AND THE RELEVANT PROJECT SPECIFICATIONS AS INCLUDED IN THE CONTRACT.

3. BEFORE PLACING ANY FILL MATERIAL, THE EXISTING GROUND SURFACE MUST BE CLEARED AND GRUBBED OF ALL VEGETATION AND ORGANIC MATTER.

4. TOPSOIL 200mm MUST BE STRIPPED AND STOCKPILED.

5. WHERE THE MATERIAL GROUND LINE IS STEEPER THAN 1:6, BENCHING MUST BE EXCAVATED INTO EXISTING SURFACE PRIOR TO RECEIVING FILL.

6. UNLESS OTHERWISE INDICATED, ALL BANK BATTERS TO BE : 1:1.5 CUT AND 1:2 FILL.

ADDITIONAL NOTES

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

NOTE 2 : ALL SERVICES TO BE VERIFIED ON SITE PRIOR TO ANY CONSTRUCTION

NOTE 3. PAVEMENT DESIGN TO MARINE DRAWINGS. REFER TO DRAWING NO: 2138436-1-1-000-MA-0002-01

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 REMOVAL.

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 CONSTRUCTION MANAGER, 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. ALL EXISTING UNDERGROUND SERVICES TO BE PROTECTED.

PLAN LEGEND

CIVIL:

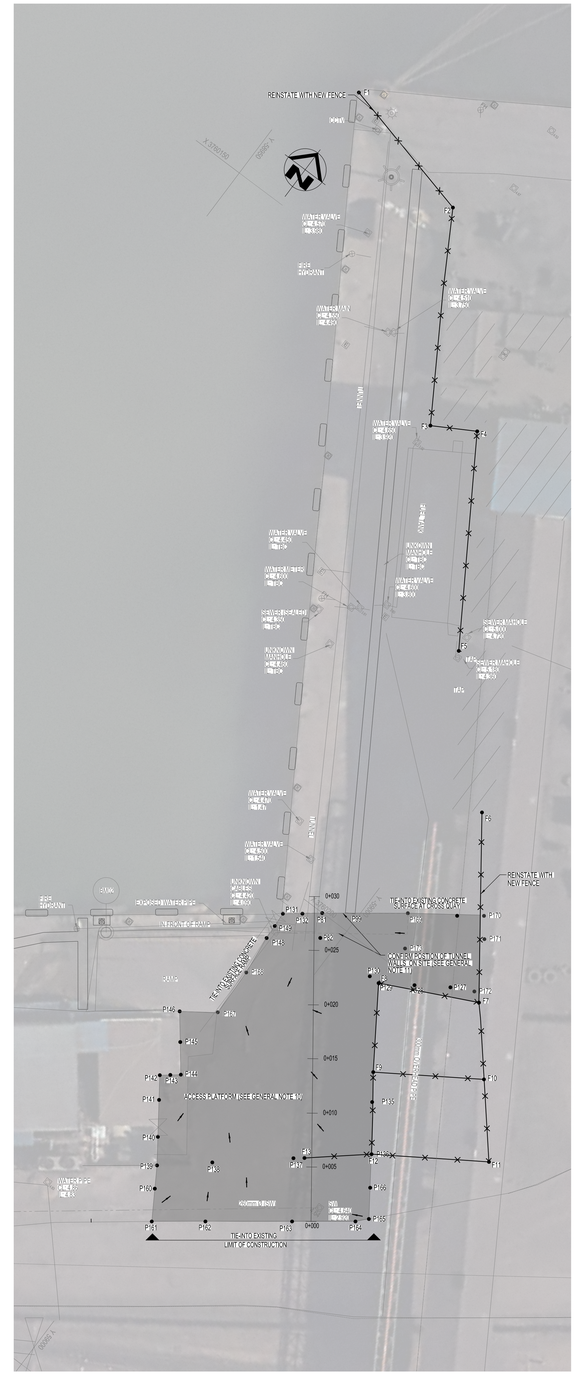
- P3 — SETTING OUT POINT
- WATER FLOW DIRECTION
- BENCHMARKS
- NEW CONCRETE SURFACE
- NEW FENCE
- EXISTING FENCE
- EXISTING BOLLARDS
- EXISTING MANHOLE

ACCESS PLATFORM - SETTING OUT CO-ORDINATE SYSTEM: WGS84 Lo25°			
POINT NAME	X-COORD	Y-COORD	Z-COORD
P81*	3760200.276	-58997.359	4.500
P82*	3760201.968	-58998.407	4.403
P99	3760198.432	-59000.336	4.370
P100	3760202.028	-59002.575	4.381
P101*	3760202.026	-59002.575	4.361
P126	3760192.739	-59007.278	4.662
P127	3760198.391	-59010.749	4.616
P128	3760200.227	-59007.982	4.563
P129*	3760202.063	-59005.215	4.510
P130*	3760202.049	-59004.188	4.452
P131	3760202.253	-58994.303	4.473
P132	3760201.264	-58995.832	4.486
P133	3760201.998	-59000.594	4.381
P134	3760206.063	-59007.987	4.565
P135	3760211.105	-59011.450	4.634
P136	3760215.078	-59014.189	4.689
P137	3760219.710	-59008.647	4.569
P138	3760224.519	-59002.893	4.562
P139	3760227.797	-58998.970	4.724
P140	3760225.646	-58997.456	4.632
P141	3760222.858	-58995.493	4.512
P142	3760220.992	-58994.179	4.442
P143	3760220.389	-58994.940	4.432
P144	3760219.787	-58995.701	4.423
P145	3760217.414	-58993.949	4.396
P146*	3760215.042	-58991.997	4.295
P148*	3760204.946	-58994.454	4.422
P149	3760203.600	-58994.379	4. 459
P160	3760229.641	-59000.102	4.695
P161	3760232.235	-59001.697	4.655
P162	3760229.258	-59005.658	4.673
P163	3760224.451	-59012.053	4.690
P164	3760220.936	-59016.729	4.683
P165	3760220.007	-59017.583	4.703
P166	3760217.629	-59015.944	4.696
P167	3760213.248	-58995.130	4.333
P168	3760208.617	-58994.981	4.367
P169	3760195.784	-59003.826	4.625
P170	3760191.256	-59009.263	4.662
P171	3760192.950	-59010.587	4.676
P172	3760197.370	-59012.745	4.733
P173	3760198.045	-59005.248	4.663

ACCESS PLATFORM (CL) CO-ORDINATE SYSTEM: WGS84 Lo25°			
SV	X-COORD	Y-COORD	Z-COORD
0+000	3760223.399	-59013.453	4.688
0+005	3760219.37	-59010.491	4.600
0+010	3760215.342	-59007.53	4.561
0+015	3760211.313	-59004.568	4.521
0+020	3760207.284	-59001.607	4.456
0+025	3760203.256	-58998.646	4.448
0+030	3760199.227	-58995.684	4.537

FENCE SETTING OUT WGS 84 Lo 25°		
POINT	X-COORD	Y-COORD
F1	3760137.436	-58954.363
F2	3760140.709	-58967.686
F3	3760158.047	-58976.116
F4	3760155.877	-58981.888
F5	3760173.103	-58992.705
F6	3760163.734	-59003.379
F7	3760197.936	-59013.701
F8	3760202.063	-59005.215
F9	3760208.928	-59009.759
F10	3760203.325	-59018.332
F11	3760209.137	-59023.278
F12	3760215.078	-59014.189
F13	3760219.082	-59009.447

BENCHMARKS: CO-ORDINATE SYSTEM: WGS84 Lo25°				
POINT NAME	X-COORD	Y-COORD	Z-COORD	COMMENTS
BM2	3760213.440	-58982.308	2.936	20MM RIP IN CONCRETE



PLAN LAYOUT
SCALE 1 : 200

2138436-1-001-C-LA-0002-01-00	STORMWATER PLAN
DRAWING NO.	REFERENCE

REFERENCE DRAWINGS

GENERAL NOTES

1.THIS DRAWING IS THE PROPERTY OF TRANSNET, COPY, PATENTS AND ALL INDUSTRIAL PROPERTY RIGHTS RESERVED.

2.MEASUREMENTS ARE BASED ON METRIC SYSTEM.

3.ALL LEVELS ARE IN METRES TO MEAN SEA LEVEL (MSL).

4.DO NOT SCALE DRAWING - ONLY DIMENSIONS SHOWN TO BE USED.

5.THE CONTRACTOR SHALL VERIFY ALL CONDITIONS ON THE SITE AND NOTIFY THE ENGINEER OF ANY VARIATIONS FROM DIMENSIONS BEFORE CONSTRUCTION.

6.ALL CO-ORDINATES ARE BASED ON THE SOUTH AFRICAN CO-ORDINATE SYSTEM WGS 84 Lo 25°

7.RELOCATION OF EXISTING SERVICES ARE ONLY TO BE DONE AT THE DISCRETION OF THE ENGINEER ON SITE.

NO.	DESCRIPTION	BY	CHKD	APPD	DATE
00	ISSUED FOR TENDER	SM	BE	MM	23-09-2026

REVISIONS

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CONTRACTOR / CONSULTANT					
TITLE	NAME	SIGN			
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OPERATING DIVISIONS					
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TNPA					
TITLE	NAME	SIGN	DATE		
DRAWN	SM		23	09	26
CHECKED	BE		23	09	26
DESIGNED	SM		23	09	26
CHECKED	MM		23	09	26
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PR.ENG. / PR.TECH./PR. ARCH					
NAME	Motebang Malapane		DATE		
SIGNATURE			23	09	26
REG. NUMBER	20150383				
SCALE	AS SHOWN				

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TEL: 011 351 9001

PORT OF PORT OF ELIZABETH

CIVIL & PERWAY INFRASTRUCTURE
DOM PERDRO QUAY REFURBISHMENT
SETTING OUT
PLAN LAYOUT

PROJECT NUMBER					OD	FBS		DIS	TYPE	DRAWING NO.			SHEET		REV	ID
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