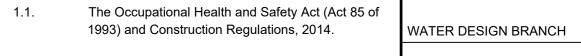


Demolition Notes:

General Compliance

All demolition work shall be carried out in full compliance



1.2. Relevant SANS/SABS standards, including SANS 10400 Part D (Public Safety) and SANS 1200-D.

1.3. All local municipal bylaws and statutory authority requirements.

Method Statement The Contractor shall submit a detailed demolition method statement and risk assessment to the Engineer and Health & Safety Agent for approval prior to commencement of work. This shall include:

Demolition Restrictions:

2.1. Separate damaged portion, to be demolished by means of Diamond-Saw cut joint, or similarly approved, prior to commencement of any demolition works.

2.2. Demolition to be carried out with the least possible disruption to the adjacent foundation conditions & embankments.

Safety and environmental controls,

Temporary supports or bracing required to comply CONSULTANT: with safety regulations. Cut-line to be marked & position to be inspected &

approved by Engineer prior to any commencement of Saw-Cutting.

Permits and Notifications The Contractor shall obtain all required demolition perm and approvals from the local authority before work begin Neighbours and adjacent property owners shall be notif where required.

Service Disconnections All existing services (water, electricity, sewer, telecoms, gas, etc.) must be:

4.1. Identified and marked.

Isolated or disconnected by relevant authorities before demolition.

4.3. The Contractor is responsible for coordinating service terminations and proving all services on

5. Protection of Public and Property Adequate measures must be taken to:

5.1. Secure the site perimeter with hoarding/fencing

Prevent dust, debris, and noise pollution. Protect adjacent buildings, roads, footpaths, and

Structural Safety The Contractor shall take all necessary precautions to

Hazardous Materials

7.1. Arrange for testing and safe removal by a licens specialist contractor in accordance with SANS 10228, SANS 10229, and the Asbestos Abatem

Debris Removal Demolition debris shall be:

8.1. Removed from site promptly.

8.2. Disposed of at a licensed disposal facility. 8.3. In accordance with local municipal waste

regulations.

Recyclable materials should be salvaged where

Working Hours

Demolition shall be restricted to normal working hours, unless otherwise approved by the Engineer and local authority. Noisy work must be scheduled to minimize disruption to the surrounding area.

Environmental Management The Contractor shall implement appropriate dust suppression, noise control, and stormwater protection measures during demolition. Water runoff must not contaminate public infrastructure.

Health and Safety File The Contractor shall maintain a site-specific Health & Safety File, including:

11.1. Risk assessments. 11.2. Toolbox talks.

11.3. Safe work procedures.

11.4. Method statements.

11.5. Incident records.

12. Final Inspection and Sign-off The site shall be cleared, graded, and made safe after demolition. Final inspection and sign-off shall be done by:

12.1. The Engineer.

12.2. A Health & Safety Agent, prior to handover for further construction.

ETHEKWINI WATER AND SANITATION



REDUCED PLAN USE SCALE BELOW 0 10 20 30 40 50 60 70

70mm ON ORIGINAL PLAN

EXISTING UNDERGROUND SERVICES ARE AS SHOWN BELOW.

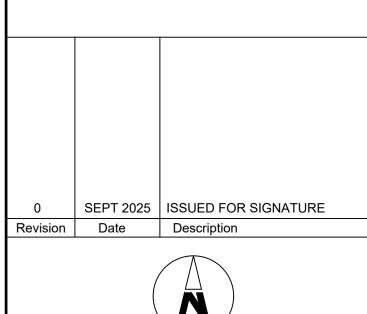
NEW WATER MAIN & VALVES SEWERS AND M.H'S

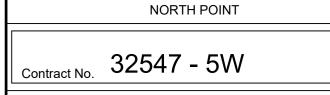
STORM WATER DRAINS AND M.H'S WATER MAINS AND VALVES — • − ELECTRICITY CABLES

-TELKOM CABLES _____ OIL PIPELINES _____

> No.5, The Boulevard West Way Office Park Westville, Durban Tel: +27 (0) 31 265 6007 Fax: +27 (0) 31 265 6011 Email: info@naiduconsulting.c

The Contractor shall obtain all required demolition permits and approvals from the local authority before work begins.	Drawing No.: D724-52-6000 REV 0					
Neighbours and adjacent property owners shall be notified, where required.	FOR TENDER					
Service Disconnections All existing services (water, electricity, sewer, telecoms,	F	REFERENCE DRAWINGS (60591/)				
gas, etc.) must be:	DWG No.	TITLE/DESCRIPTION				
Identified and marked.	031	RESERVOIR 2 DETAILS SHEET 1 OF 4				
located or disconnected by relevant authorities	031	RESERVOIR 2 DETAILS SHEET 2 OF 4				
Isolated or disconnected by relevant authorities before demolition.	031	RESERVOIR 2 DETAILS SHEET 3 OF 4				
	031	RESERVOIR 2 DETAILS SHEET 4 OF 4				
The Contractor is responsible for coordinating						
service terminations and proving all services on site.	040	SITE PLAN & SECTIONS SHOWING 1:2 SLOPE				
Site.	041	PLAN & ELEVATION OF MECHANICALLY STAB.				
	042	1m TO 8m GABION WALL DETAILS				
Protection of Public and Property	043	TEMPORARY SOIL NAILS PLAN & DETAILS				
Adequate measures must be taken to:	044	SECTION D : SITE PLAN & DETAILS OF LOW				
Secure the site perimeter with hoarding/fencing.						
Prevent dust, debris, and noise pollution.						
Protect adjacent buildings, roads, footpaths, and						
public infrastructure.						
Structural Safety						
The Contractor shall take all necessary precautions to						
prevent premature collapse of any part of the structure.						
Temporary bracing or propping shall be provided where						
required.						
Hazardous Materials						
If asbestos, lead-based paint, or any hazardous material is						
suspected or confirmed, the Contractor must:	STANDARD DRAWINGS					
Arrange for testing and safe removal by a licensed	###					
specialist contractor in accordance with SANS	###					
10228, SANS 10229, and the Asbestos Abatement Regulations (2020).	###					
J (/	###					





Project No. X8388 Planning Unit

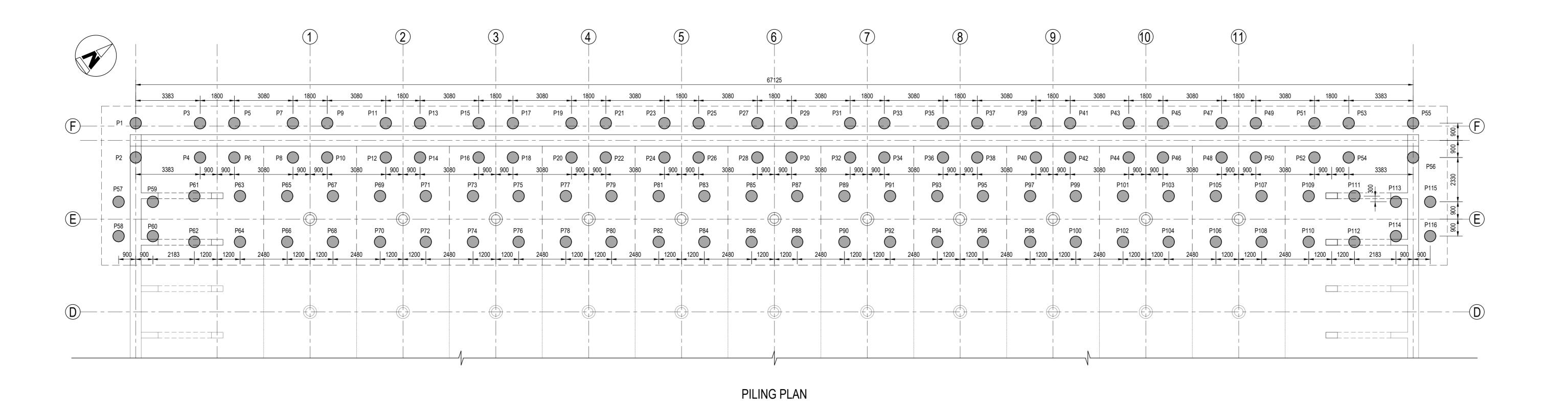
WATER AND SANITATION

Project Title MOBENI 2 RESERVOIR ASSOCIATED WORKS

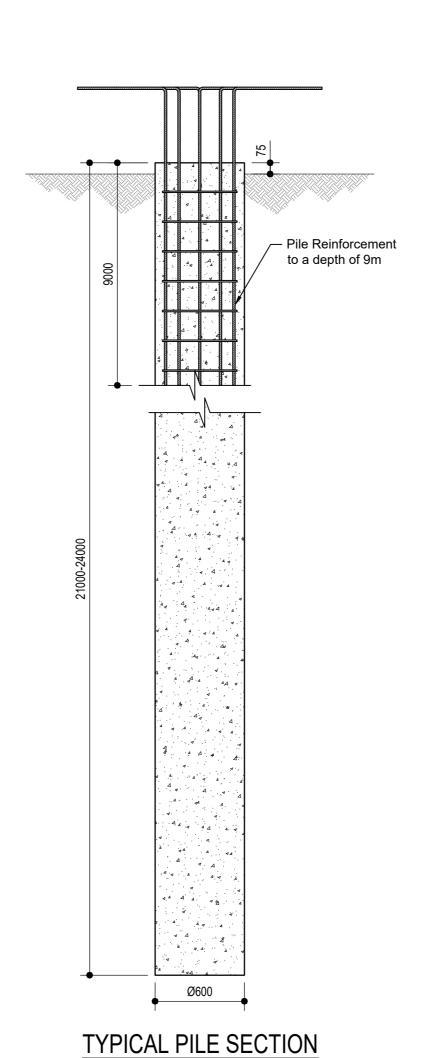
Drawing Title RESERVOIR DEMOLITION PLAN

Scale: AS SHOWN Designed: M.NDLOVU Date: 05.09.2025 Checked: K.THEVAR Drawn: N.ANKIAH Area Engineer Manager (Water Design)

Deputy Head (Engineering) E. MSWELI - Head (W & S) 60591/030 1/1 Rev. 0



1:100



COORDINATES					COORDINATES					
POINTS	EASTING	NORTHING	DEPTH		POINTS	EASTING	NORTHING	DEPTH		
P01	-4334.410	-3312803.921	24m		P47	-4300.700	-3312757.880	21m		
P02	-4332.958	-3312804.985	24m		P48	-4299.247	-3312758.944	21m		
P03	-4332.360	-3312801.165	21m		P49	-4299.636	-3312756.428	21m		
P04	-4330.902	-3312802.239	21m		P50	-4298.184	-3312757.491	21m		
P05	-4331.348	-3312799.734	21m		P51	-4297.878	-3312754.025	21m		
P06	-4329.866	-3312800.762	21m		P52	-4296.487	-3312754.991	21m		
P07	-4329.529	-3312797.255	21m		P53	-4296.746	-3312752.557	21m		
P08	-4328.076	-3312798.318	21m		P54	-4295.332	-3312753.596	21m		
P09	-4328.465	-3312795.802	21m		P55	-4294.702	-3312749.625	24m		
P10	-4327.013	-3312796.866	21m		P56	-4293.203	-3312750.683	24m		
P11	-4326.646	-3312793.317	21m		P57	-4331.609	-3312807.087	21m		
P12	-4325.194	-3312794.381	21m		P58	-4330.157	-3312808.151	21m		
P13	-4325.582	-3312791.865	21m		P59	-4330.546	-3312805.635	21m		
P14	-4324.130	-3312792.928	21m		P60	-4329.094	-3312806.698	21m		
P15	-4323.763	-3312789.380	21m		P61	-4329.499	-3312803.697	24m		
P16	-4322.311	-3312790.443	21m		P62	-4327.562	-3312805.114	24m		
P17	-4322.700	-3312787.927	21m		P63	-4328.128	-3312801.765	24m		
P18	-4321.247	-3312788.991	21m		P64	-4326.144	-3312803.178	24m		
P19	-4320.880	-3312785.442	21m		P65	-4326.616	-3312799.759	24m		
P20	-4319.428	-3312786.506	21m		P66	-4324.679	-3312801.177	24m		
P21	-4319.817	-3312783.990	21m		P67	-4325.198	-3312797.823	24m		
P22	-4318.364	-3312785.053	21m		P68	-4323.261	-3312799.241	24m		
P23	-4317.997	-3312781.505	21m		P69	-4323.733	-3312795.822	24m		
P24	-4316.545	-3312782.568	21m		P70	-4321.796	-3312797.240	24m		
P25	-4316.934	-3312780.053	21m		P71	-4322.315	-3312793.885	24m		
P26	-4315.481	-3312781.116	21m		P72	-4320.379	-3312795.303	24m		
P27	-4315.114	-3312777.567	21m		P73	-4320.850	-3312791.884	24m		
P28	-4313.735	-3312778.558	21m		P74	-4318.914	-3312793.302	24m		
P29	-4314.051	-3312776.115	21m		P75	-4319.432	-3312789.948	24m		
P30	-4312.685	-3312777.096	21m		P76	-4317.496	-3312791.366	24m		
P31	-4312.231	-3312773.630	21m		P77	-4317.967	-3312787.947	24m		
P32	-4310.779	-3312774.693	21m		P78	-4316.031	-3312789.365	24m		
P33	-4311.168	-3312772.178	21m		P79	-4316.549	-3312786.011	24m		
P34	-4309.716	-3312773.241	21m		P80	-4314.613	-3312787.428	24m		
P35	-4309.349	-3312769.693	21m		P81	-4315.084	-3312784.010	24m		
P36	-4307.896	-3312770.756	21m		P82	-4313.148	-3312785.427	24m		
P37	-4308.285	-3312768.240	21m		P83	-4313.666	-3312782.073	24m		
P38	-4306.833	-3312769.304	21m		P84	-4311.730	-3312783.491	24m		
P39	-4306.466	-3312765.755	21m		P85	-4312.201	-3312780.072	24m		
P40	-4305.013	-3312766.819	21m		P86	-4310.265	-3312781.490	24m		
P41	-4305.402	-3312764.303	21m		P87	-4310.783	-3312778.136	24m		
P42	-4303.950	-3312765.366	21m		P88	-4308.847	-3312779.553	24m		
P43	-4303.583	-3312761.818	21m		P89	-4309.318	-3312776.135	24m		
P44	-4302.130	-3312762.881	21m		P90	-4307.382	-3312777.552	24m		
P45	-4302.519	-3312760.365	21m		P91	-4307.901	-3312774.198	24m		
P46	-4301.067	-3312761.429	21m		P92	-4305.964	-3312775.616	24m		

S			COORDINATES					COORDINATES			
THING	DEPTH		POINTS	EASTING	NORTHING	DEPTH		POINTS	EASTING	NORTHING	
803.921	24m		P47	-4300.700	-3312757.880	21m		P93	-4306.435	-3312772.197	
804.985	24m		P48	-4299.247	-3312758.944	21m		P94	-4304.499	-3312773.615	
801.165	21m		P49	-4299.636	-3312756.428	21m		P95	-4305.018	-3312770.261	
802.239	21m		P50	-4298.184	-3312757.491	21m		P96	-4303.081	-3312771.679	
799.734	21m		P51	-4297.878	-3312754.025	21m		P97	-4303.553	-3312768.260	
800.762	21m		P52	-4296.487	-3312754.991	21m		P98	-4301.616	-3312769.678	
797.255	21m		P53	-4296.746	-3312752.557	21m		P99	-4302.135	-3312766.323	
798.318	21m		P54	-4295.332	-3312753.596	21m		P100	-4300.198	-3312767.741	
795.802	21m		P55	-4294.702	-3312749.625	24m		P101	-4300.670	-3312764.322	
796.866	21m		P56	-4293.203	-3312750.683	24m		P102	-4298.733	-3312765.740	
793.317	21m		P57	-4331.609	-3312807.087	21m		P103	-4299.252	-3312762.386	
794.381	21m		P58	-4330.157	-3312808.151	21m		P104	-4297.315	-3312763.804	
791.865	21m		P59	-4330.546	-3312805.635	21m		P105	-4297.787	-3312760.385	
792.928	21m		P60	-4329.094	-3312806.698	21m		P106	-4295.850	-3312761.803	
789.380	21m		P61	-4329.499	-3312803.697	24m		P107	-4296.369	-3312758.449	
790.443	21m		P62	-4327.562	-3312805.114	24m		P108	-4294.433	-3312759.866	
787.927	21m		P63	-4328.128	-3312801.765	24m		P109	-4294.929	-3312756.483	
788.991	21m		P64	-4326.144	-3312803.178	24m		P110	-4292.993	-3312757.900	
785.442	21m		P65	-4326.616	-3312799.759	24m		P111	-4293.486	-3312754.511	
786.506	21m		P66	-4324.679	-3312801.177	24m		P112	-4291.550	-3312755.929	
783.990	21m		P67	-4325.198	-3312797.823	24m		P113	-4291.955	-3312752.927	
785.053	21m		P68	-4323.261	-3312799.241	24m		P114	-4290.502	-3312753.991	
781.505	21m		P69	-4323.733	-3312795.822	24m		P115	-4290.936	-3312751.535	
782.568	21m		P70	-4321.796	-3312797.240	24m		P116	-4289.464	-3312752.573	
780.053	21m		P71	-4322.315	-3312793.885	24m	'				
781.116	21m		P72	-4320.379	-3312795.303	24m		*ALL PILES	ARE 600mm Ø		
777.567	21m		P73	-4320.850	-3312791.884	24m				곡	
778.558	21m		P74	-4318.914	-3312793.302	24m		Note :			
776.115	21m		P75	-4319.432	-3312789.948	24m		Sacrificial test pile position to be confirmed by Geotechnical			
777.096	21m		P76	-4317.496	-3312791.366	24m		Engineer on		1	
773.630	21m		P77	-4317.967	-3312787.947	24m	'	1		_	
774.693	21m		P78	-4316.031	-3312789.365	24m					
772.178	21m		P79	-4316.549	-3312786.011	24m					
773 2/1	1 21m	II	Dau	1311613	2212707 /20	24m	ll .				

General Notes:

- All work shall be executed in accordance with the relevant sections of SANS 1200, SANS 10100, and other applicable SAN S/SABS specifications, and as required by local authorities and statutory bodies (e.g.local municipality, etc.)
- This drawing shall be read in conjunction with drawings and documentation from all relevant disciplines, including Civil, Electrical, Geotechnical, etc.
- The Engineer must be notified without delay of any 0 10 20 30 40 50 60 70 discrepancies between drawings, specifications, or site
- conditions. No assumptions or adjustments shall be made without written confirmation. All dimensions and levels must be verified on site prior to

fabrication or construction. Any discrepancies shall be

- reported to the Engineer immediately. Only written dimensions and levels on drawings shall be
- used. Do not scale drawings. The Contractor shall provide the Engineer with a minimum
- of 24 hours' notice for all required site inspections. All references to South African National Standards (SANS)
- or SABS specifications shall refer to the latest/current edition in force at the time of construction. All existing services shall be located and proved on site prior

by the Structural or Geotechnical Engineer prior to placing

- to any demolition, excavation, or construction. The Contractor shall be responsible for coordinating with the relevant service authorities. All foundation excavations shall be inspected and approved
- blinding concrete. 10. All reinforcement shall be inspected & approved by the

Engineer before casting of any concrete.

11. Concrete strength at 28 days:

30 MPa/19

Cube test results must confirm target strength. Approval form the Engineer is required.

12. Cover to steel reinforcement:

Concrete cover must comply with SANS 0100-1/SANS 10100-1 provisions for durability based on exposure conditions.

13. All concrete shall be cured in accordance with SANS 10100-2, using wet covering, curing compound, or any other approved methods, for a minimum of 7 days or as directed by the Engineer

14. The Contractor shall comply with the Occupational Health &

- Safety Act (Act 85 of 1993) & the Construction Regulations, 2014. All personel shall be trained & equipped as required along with appropiate signage, PPE & safety measures shall be enforced on site.
- Construction activities must be carried out in compliance with Environmental Management Plan (EMP) requirements, if applicable. All reasonable measures must taken to:

Prevent pollution of water sources & stormwater

- Control dust & erosion. - Manage construction waste responsibly. ETHEKWINI WATER AND SANITATION

WATER DESIGN BRANCH

LEGEND

REDUCED PLAN USE SCALE BELOW

70mm ON ORIGINAL PLAN

EXISTING UNDERGROUND SERVICES

ARE AS SHOWN BELOW.

Drawing No.: D724-52-6001 REV 0

031 RESERVOIR 2 DETAILS SHEET 2 OF 4

031 RESERVOIR 2 DETAILS SHEET 3 OF 4

031 RESERVOIR 2 DETAILS SHEET 4 OF 4

042 1m TO 8m GABION WALL DETAILS

040 | SITE PLAN & SECTIONS SHOWING 1:2 SLOPE.

041 PLAN & ELEVATION OF MECHANICALLY STAB.

043 TEMPORARY SOIL NAILS PLAN & DETAILS 044 SECTION D : SITE PLAN & DETAILS OF LOW...

0 SEPT 2025 ISSUED FOR SIGNATURE

NORTH POINT

Revision Date Description

Contract No. 32547 - 5W

WATER AND SANITATION

MOBENI 2 RESERVOIR

RESERVOIR 2 DETAILS :

Designed: M.NDLOVU Date: 05.09.2025
Checked: K.THEVAR Drawn: N.ANKIAH

PILING LAYOUT

ASSOCIATED WORKS

Project No. X8388

Drawing Title

Area Engineer

Manager (Water Design)

Deputy Head (Engineering)

E. MSWELI - Head (W & S)

030 DEMOLITION PLAN

STANDARD DRAWINGS

FOR TENDER

REFERENCE DRAWINGS (60591/...)

TITLE/DESCRIPTION

NEW WATER MAIN & VALVES

WATER MAINS AND VALVES

STORM WATER DRAINS AND M.H'S

SEWERS AND M.H'S

ELECTRICITY CABLES

TELKOM CABLES

OIL PIPELINES

CONSULTANT:



— • −

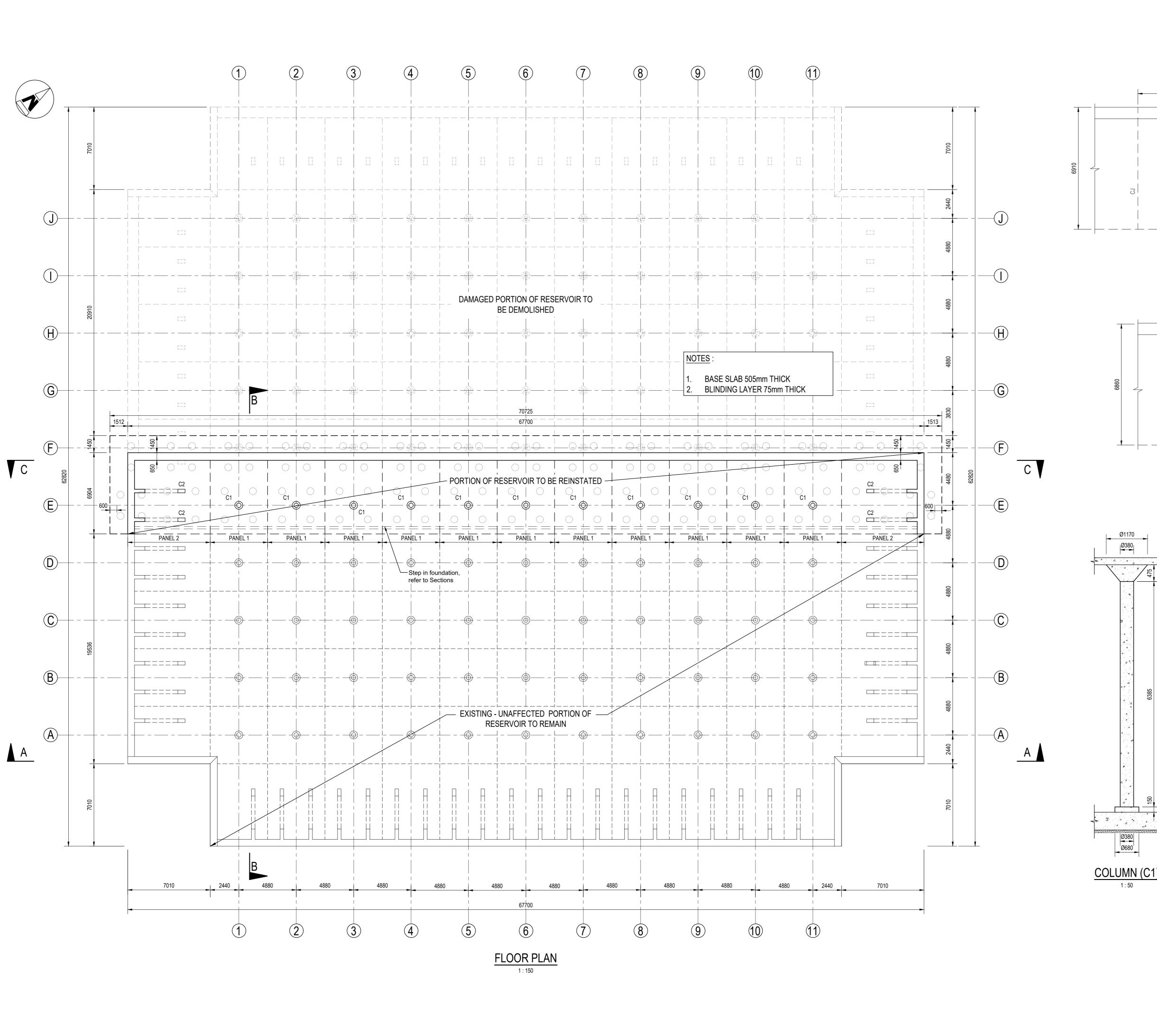
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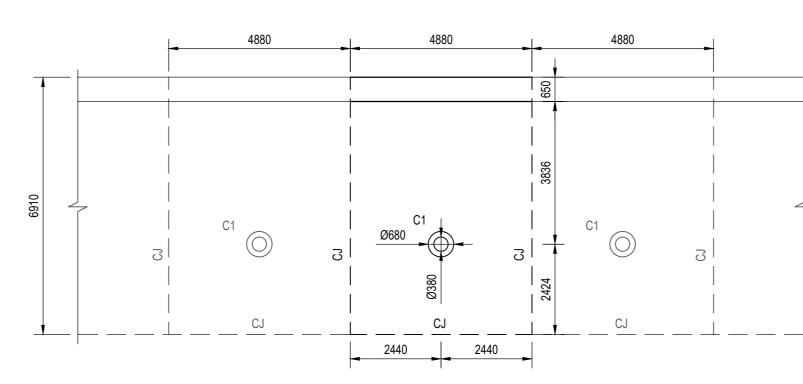
1st Floor No.5, The Boulevard

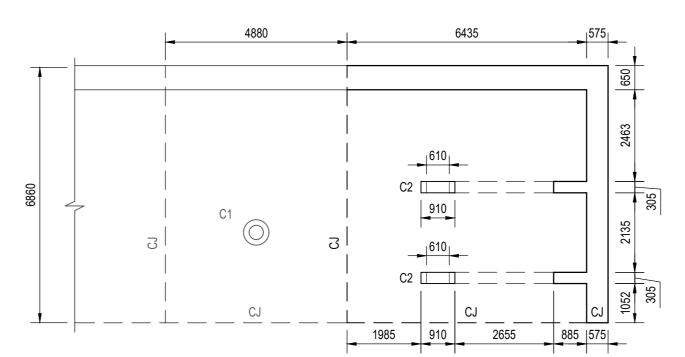
West Way Office Park

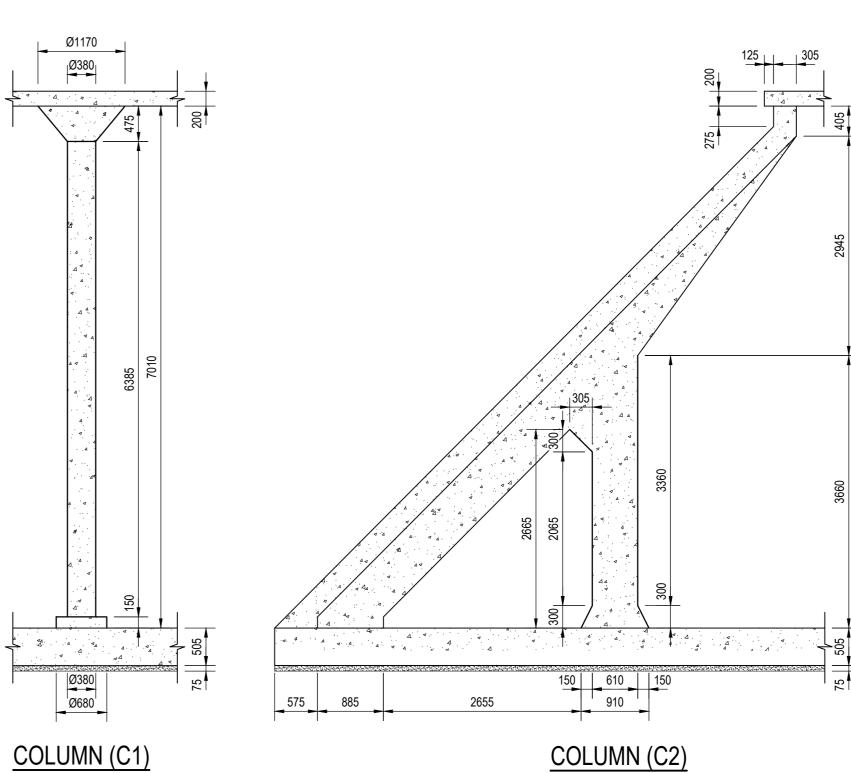
Tel: +27 (0) 31 265 6007 Fax: +27 (0) 31 265 6011

Email: info@naiduconsulting.c









General Notes:

- All work shall be executed in accordance with the relevant sections of SANS 1200, SANS 10100, and other applicable SAN S/SABS specifications, and as required by local authorities and statutory bodies (e.g.local municipality, etc.)
- This drawing shall be read in conjunction with drawings and documentation from all relevant disciplines, including Civil, Electrical, Geotechnical, etc.
- The Engineer must be notified without delay of any discrepancies between drawings, specifications, or site conditions. No assumptions or adjustments shall be made without written confirmation.
- All dimensions and levels must be verified on site prior to

fabrication or construction. Any discrepancies shall be

- reported to the Engineer immediately. Only written dimensions and levels on drawings shall be
- used. Do not scale drawings. The Contractor shall provide the Engineer with a minimum
- of 24 hours' notice for all required site inspections. All references to South African National Standards (SANS) or SABS specifications shall refer to the latest/current
- All existing services shall be located and proved on site prior to any demolition, excavation, or construction. The Contractor shall be responsible for coordinating with the relevant service authorities.

All foundation excavations shall be inspected and approved

edition in force at the time of construction.

- by the Structural or Geotechnical Engineer prior to placing blinding concrete.
- 10. All reinforcement shall be inspected & approved by the Engineer before casting of any concrete.
- 11. CJ : Construction Joint
- 12. IJ : Isolation Joint

Walls:

- 13. Concrete strength at 28 days:
- 15 MPa/19 Durability Concrete:
- 35 MPa/19 Foundations: Columns: 35 MPa/19 35 MPa/19 35 MPa/19

Note: Concrete used for new elements with the exception of Blinding, shall have a composition of 35MPa/19 with a cementitious crystalline additive dosed @ 0.8% by weight of total binder content.

14. Cover to steel reinforcement: 50 mm

Concrete cover must comply with SANS 0100-1/SANS 10100-1 provisions for durability based on exposure conditions.

15. Stripping of formwork:

Cube test results must confirm target stregnth before formwork is stripped. Approval form the Engineer is required.

- blinding layer of at least 50mm thick (15 MPa concrete), unless otherwise specified.
- accordance with SABS 0124/SANS 10124. A valid certificate of compliance shall be submitted to the Engineer.
- 10100-2, using wet covering, curing compound, or any other approved methods, for a minimum of 7 days or as directed by the Engineer
- 2014. All personel shall be trained & equipped as required along with appropiate signage, PPE & safety measures shall be enforced on site.
- with Environmental Management Plan (EMP) requirements, if applicable. All reasonable measures must taken to:
- Prevent pollution of water sources & stormwater
- Control dust & erosion. - Manage construction waste responsibly.

ETHEKWINI WATER AND SANITATION



WATER DESIGN BRANCH

REDUCED PLAN USE SCALE BELOW 0 10 20 30 40 50 60 70

70mm ON ORIGINAL PLAN

LEGEND EXISTING UNDERGROUND SERVICES ARE AS SHOWN BELOW.

NEW WATER MAIN & VALVES SEWERS AND M.H'S

STORM WATER DRAINS AND M.H'S WATER MAINS AND VALVES ELECTRICITY CABLES **—** — —

TELKOM CABLES _____ OIL PIPELINES _____ CONSULTANT:

Tel: +27 (0) 31 265 6007 Fax: +27 (0) 31 265 6011

No.5, The Boulevard

Westville, Durban

West Way Office Park

Drawing No.: D724-52-6002 REV 0

FOR TENDER

REFERENCE DRAWINGS (60591/...) TITLE/DESCRIPTION

030 DEMOLITION PLAN 031 RESERVOIR 2 DETAILS SHEET 1 OF 4 031 RESERVOIR 2 DETAILS SHEET 3 OF 4

031 RESERVOIR 2 DETAILS SHEET 4 OF 4 040 | SITE PLAN & SECTIONS SHOWING 1:2 SLOPE.

041 PLAN & ELEVATION OF MECHANICALLY STAB. 042 1m TO 8m GABION WALL DETAILS

043 TEMPORARY SOIL NAILS PLAN & DETAILS 044 SECTION D : SITE PLAN & DETAILS OF LOW.

50 mm 50 mm

STANDARD DRAWINGS

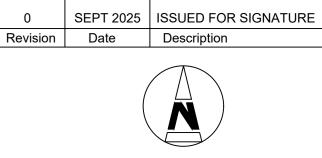
16. All sharp exposed edges of concrete to be chamfered 25 x

35 MPa/19

25mm unless otherwise specified. All foundations in contact with natural ground shall have a

18. All areas beneath surface beds shall be soil poisoned in

- 19. All concrete shall be cured in accordance with SANS
- The Contractor shall comply with the Occupational Health & Safety Act (Act 85 of 1993) & the Construction Regulations,
- Construction activities must be carried out in compliance



NORTH POINT

Contract No. 32547 - 5W

WATER AND SANITATION

MOBENI 2 RESERVOIR

Drawing Title RESERVOIR 2 DETAILS FLOOR PLAN & COLUMN

Designed: M.NDLOVU Date: 05.09.2025
Checked: K.THEVAR Drawn: N.ANKIAH

Area Engineer

Deputy Head (Engineering)

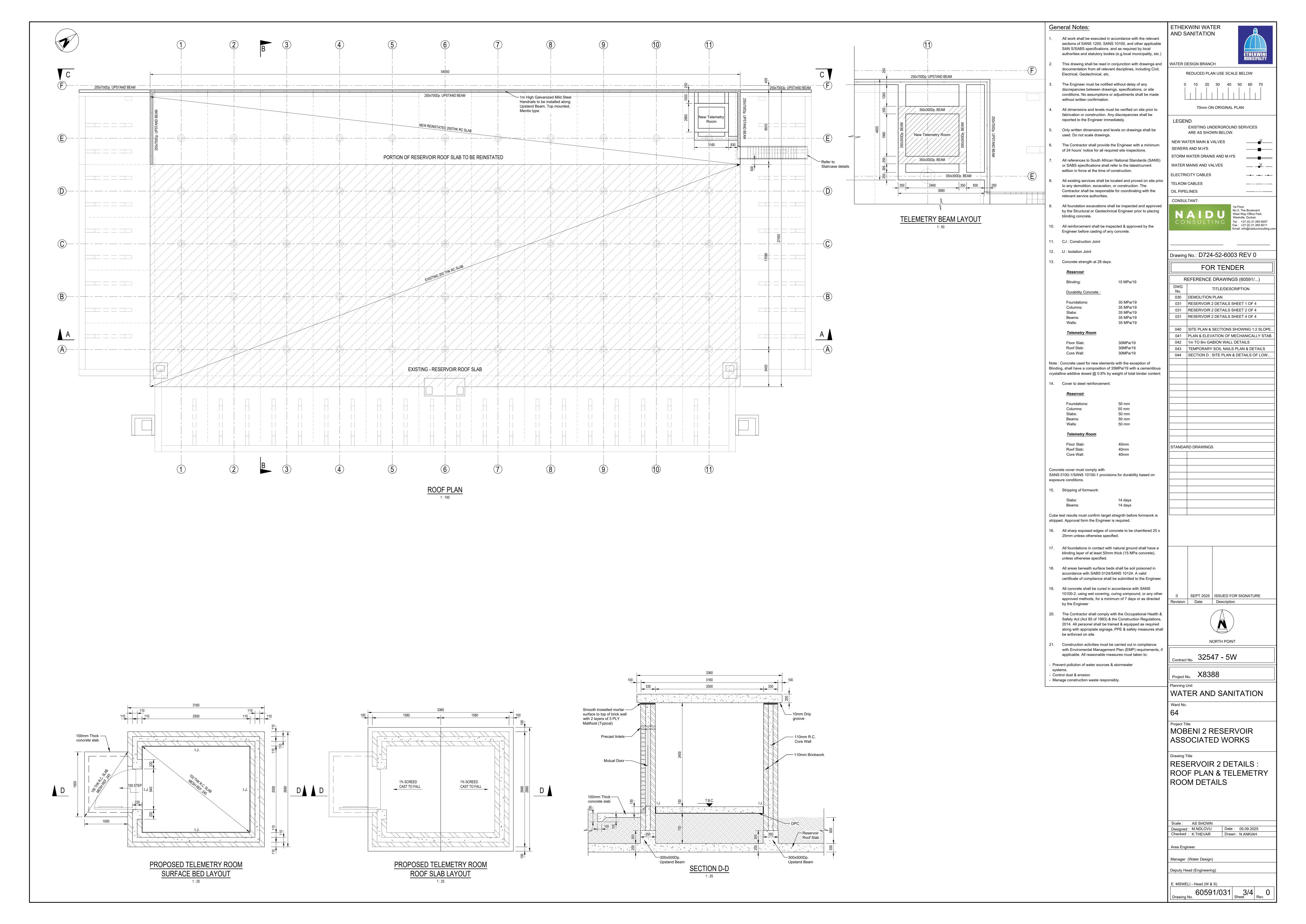
E. MSWELI - Head (W & S) $\left| \begin{array}{c|c} 60591/031 & 2/4 \\ \end{array} \right|_{\text{Sheet}} 0$

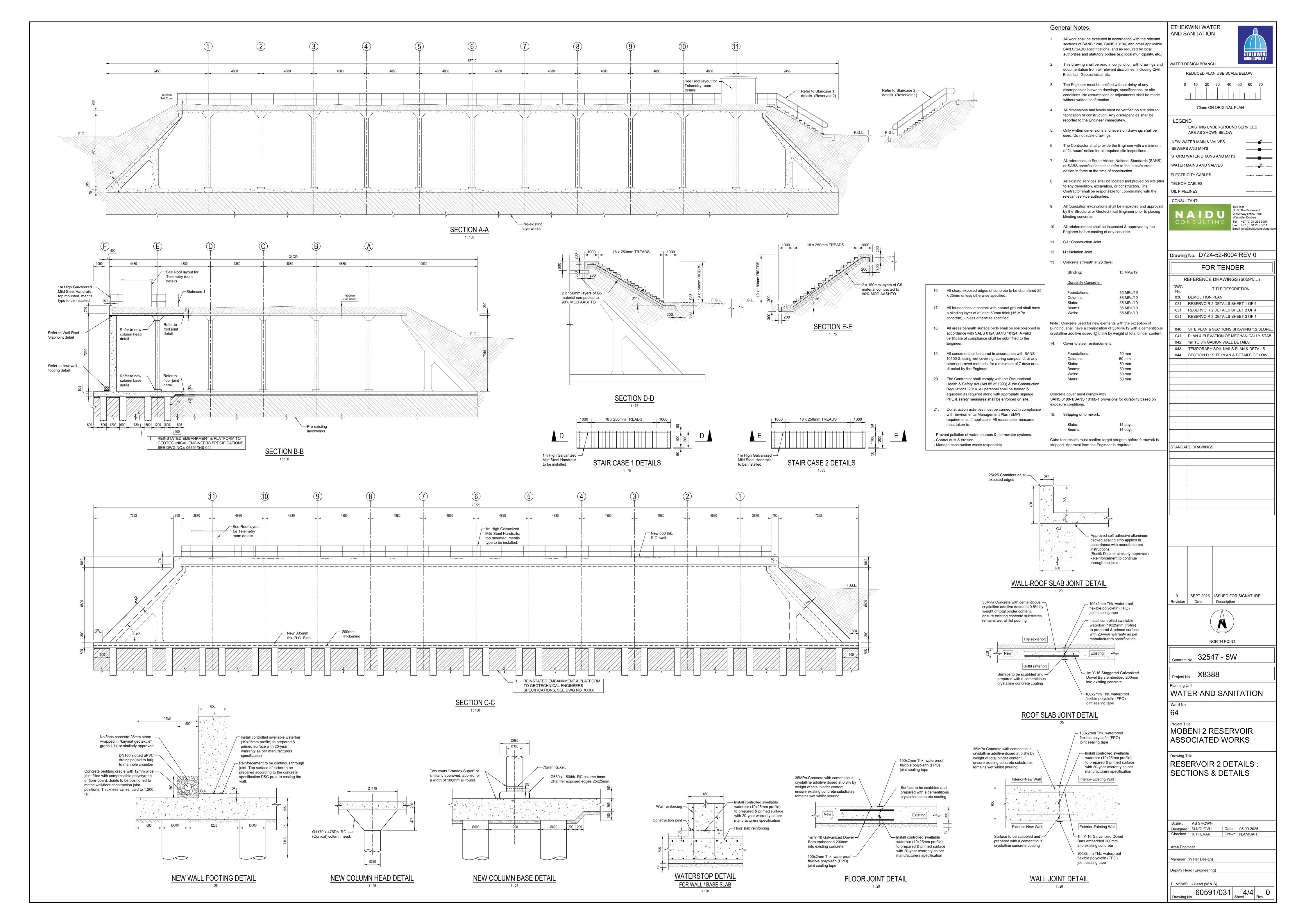
Project No. X8388

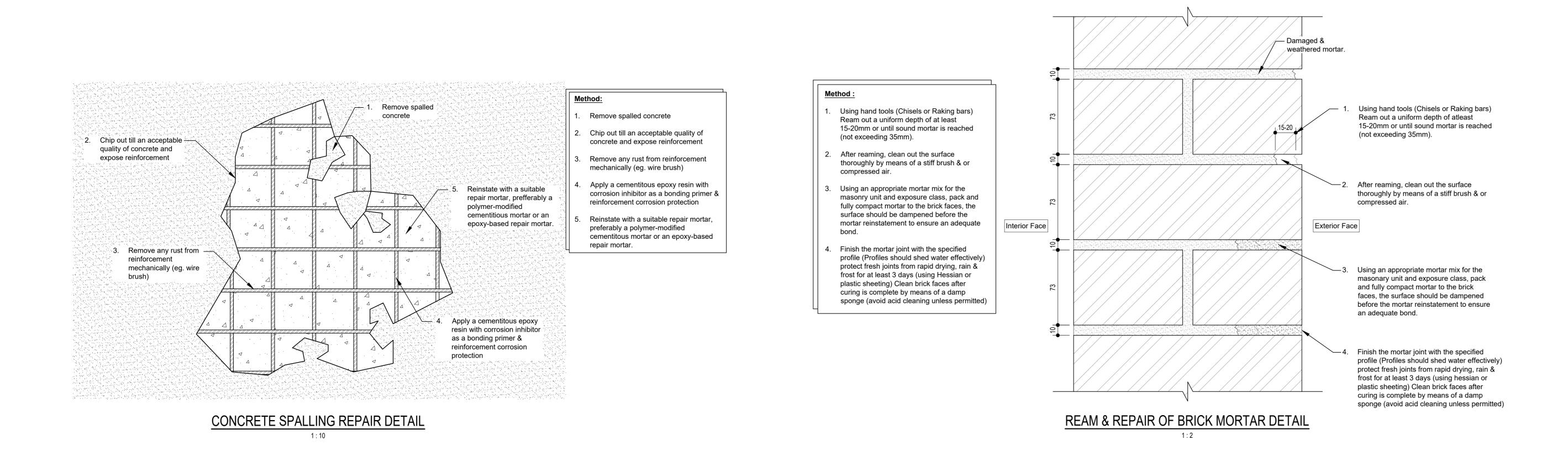
ASSOCIATED WORKS

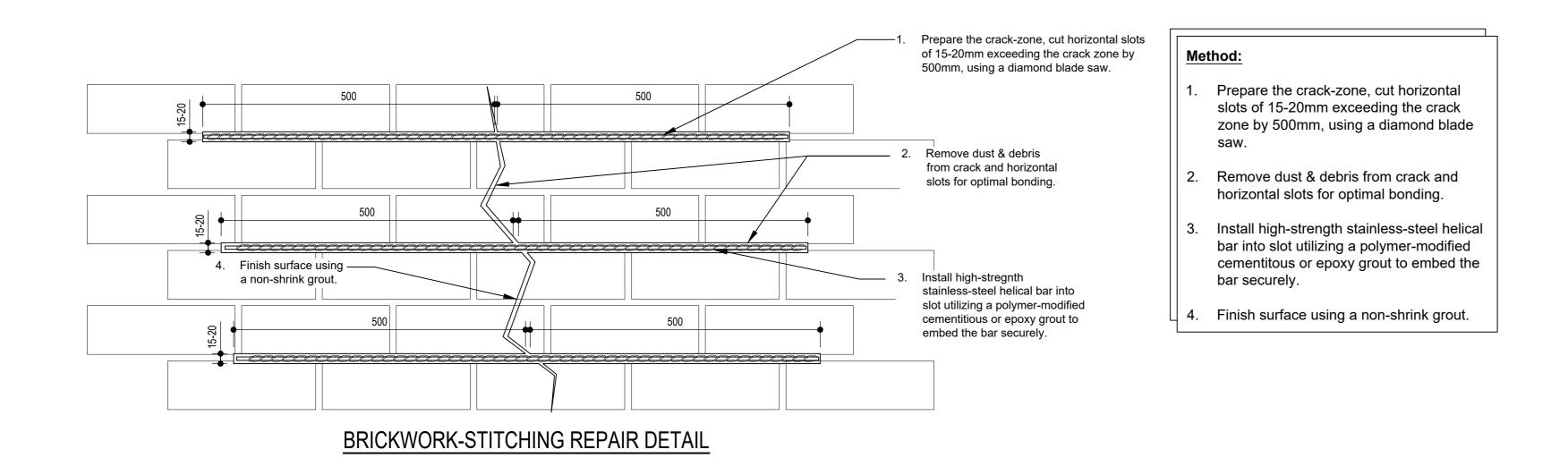
DETAILS

Manager (Water Design)











ETHEKWINI WATER AND SANITATION WATER DESIGN BRANCH REDUCED PLAN USE SCALE BELOW 0 10 20 30 40 50 60 70 70mm ON ORIGINAL PLAN LEGEND EXISTING UNDERGROUND SERVICES ARE AS SHOWN BELOW. NEW WATER MAIN & VALVES SEWERS AND M.H'S ___ STORM WATER DRAINS AND M.H'S WATER MAINS AND VALVES ELECTRICITY CABLES TELKOM CABLES _____ OIL PIPELINES _____ CONSULTANT: 1st Floor No.5, The Boulevard West Way Office Park Westville, Durban Tel: +27 (0) 31 265 6007 Fax: +27 (0) 31 265 6011 Drawing No.: D724-52-6005 REV 0 FOR TENDER REFERENCE DRAWINGS (60591/...) TITLE/DESCRIPTION STANDARD DRAWINGS 0 SEPT 2025 ISSUED FOR SIGNATURE Revision Date Description NORTH POINT Contract No. 32547 - 5W Project No. X8388 WATER AND SANITATION MOBENI 2 RESERVOIR ASSOCIATED WORKS Drawing Title DEFECTS & REHABILITATION DETAILS Scale: AS SHOWN

Designed: M.NDLOVU Date: 05.09.2025

Checked: K.THEVAR Drawn: N.ANKIAH Area Engineer Manager (Water Design) Deputy Head (Engineering) E. MSWELI - Head (W & S)

