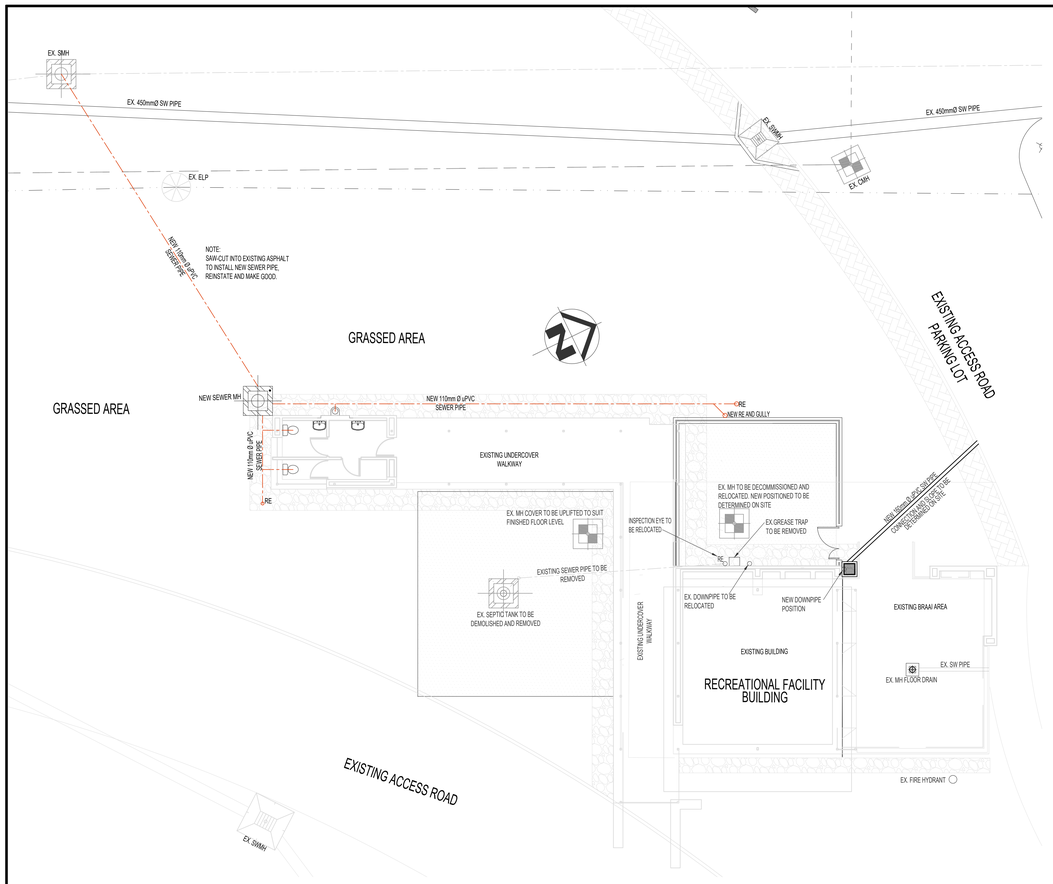
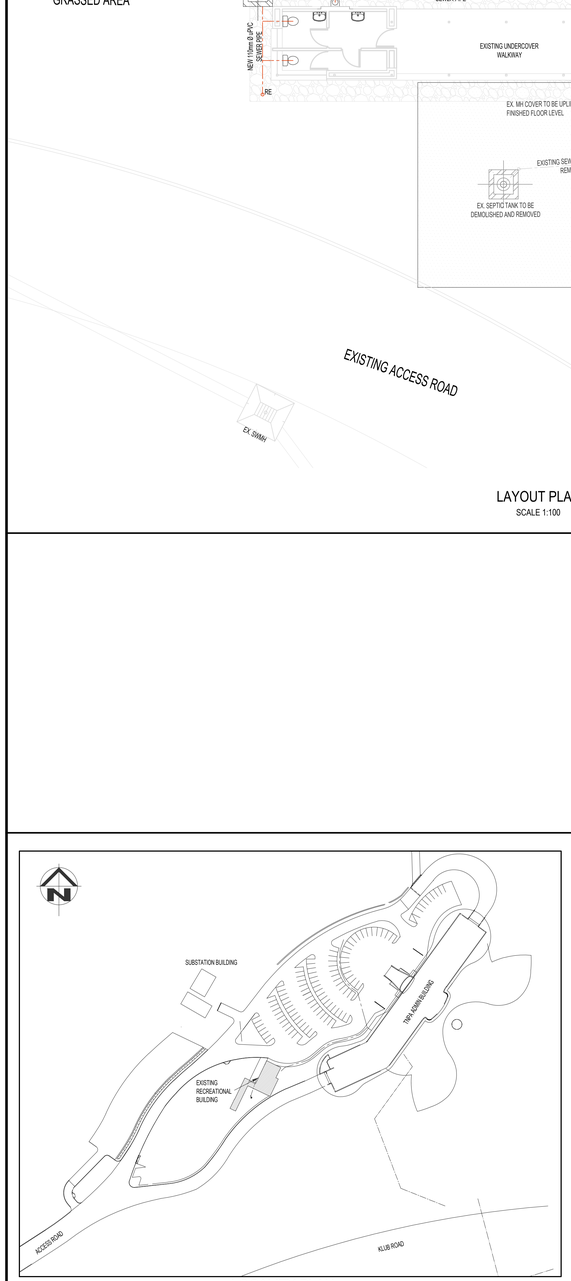


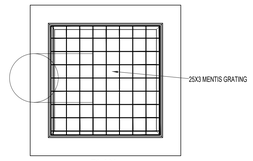
LAYOUT PLAN
SCALE 1:100



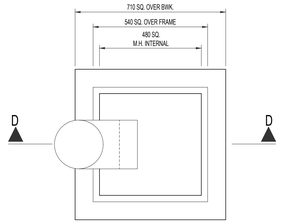
LOCALITY PLAN
NTS

LEGEND

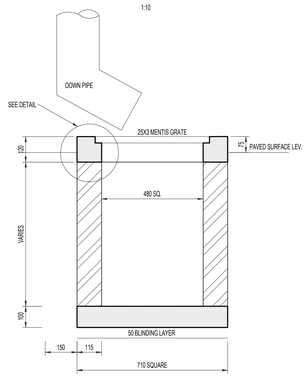
- NEW SEWER MANHOLE
- PROPOSED STORMWATER
- BUILDING EXTENSION
- EXISTING CRUSHED STONE
- EXISTING FIG 4 KERB
- EXISTING ROAD EDGE
- EXISTING STORMWATER
- EXISTING WATERMAIN
- EXISTING SEWER
- EXISTING ELECTRICAL - 160 DIA. uPVC CLASS 34
- EXISTING COMMS - 110 DIA. uPVC CLASS 34
- EX. ELP — EXISTING ELECTRICAL LIGHT POLE



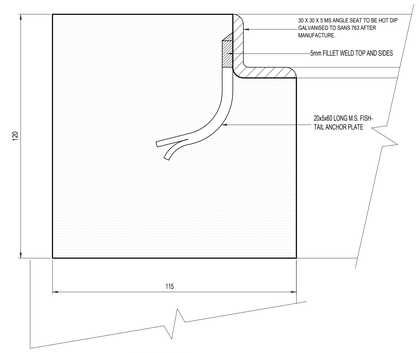
PLAN
SUMP TOP
1:10



PLAN
1:10



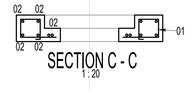
SECTION D - D
1:10
RWP - SUMP



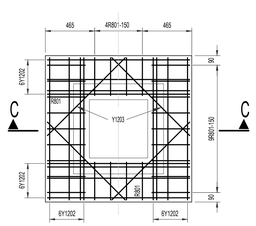
DETAIL
1 : 1

NOTES

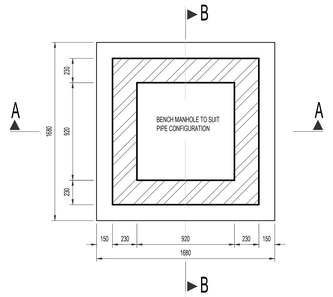
1. CONCRETE GRADES / REQUIRED COMPRESSIVE AT 28 DAYS:
   - MH2 BLINDING 5MPA/19
   - MH1 BLINDING 15MPA
   - STRUCTURAL 40MPA/26
   - STRUCTURAL 30MPA
2. A BLINDING LAYER OF 50MM (MAX.) SHALL BE PROVIDED UNDER ALL FOUNDING STRUCTURAL CONCRETE, WHERE SPECIFIED.
3. FOUNDING COMPACTED IN-SITU LAYER TO BE INSPECTED BY THE ENGINEER PRIOR TO THE CASTING OF BUILDING LAYER.
4. THE ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS IN ADVANCE FOR THE INSPECTION OF THE WORKS PRIOR TO CONCRETING.
5. CONCRETE COVER TO OUTER REINFORCING BARS: 50MM UNLESS OTHERWISE SPECIFIED.
6. APPROVED COVER BLOCKS TO BE PROVIDED.
7. REINFORCING STEEL SHALL COMPLY WITH SANS 920 AND SHALL BE CUT AND BENT IN ACCORDANCE WITH SANS 82.
8. CHARACTERISTIC STRENGTHS OF REINFORCING STEEL SHALL BE AS FOLLOWS:
   HIGH YIELD STEEL (Y) BARS - 450MPA
   MILD STEEL (R) BARS - 250MPA
9. ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED USING 19MM CHAMFERS, WHERE SPECIFIED.
10. CONCRETE PLACING SHALL BE IN ACCORDANCE WITH SANS 0100 PART 2.
11. CONCRETE FINISHES SHALL BE AS FOLLOWS:
    CONCEALED SURFACES - ROUGH OFF-SHUTTER FINISH
    EXPOSED SURFACES - SMOOTH OFF-SHUTTER FINISH. REPAIRED AND RUBBED DOWN USING CARBORUNDUM BLOCKS WHERE NECESSARY.
12. PAVEMENT REPAIRS AROUND MANHOLES TO BE REINSTATED TO MATCH EXISTING, AS DIRECTED BY TECH OFFICER.



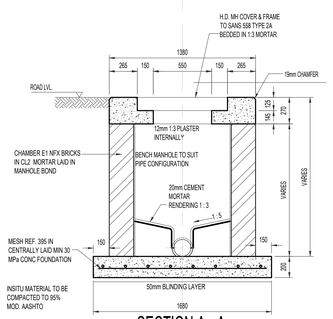
SECTION C - C
1 : 20



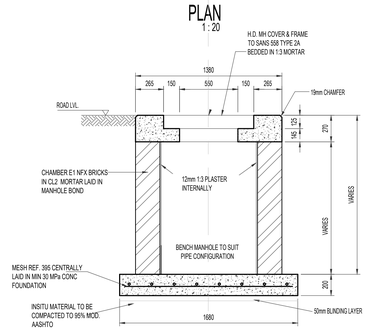
REBAR LAYOUT
1:20



PLAN
1 : 20



SECTION A - A
1 : 20



SECTION B - B
1:20

MEMBER	No OFF	TYPE DIA	MARK	TOTAL	LENGTH	CODE	BENDING DIMENSIONS A	B	C	D	E	MASS
1-OFF MANHOLE TOP E1	26	R8	01	26	900	73	170	180	330			10
	24	Y12	03	24	1300	20	1300					28
	4	Y12	03	4	900	20	900					3

TOTAL MASS IN kg.	R6	R8	R10	R12	R16	R20	R25	R32
41		10						
	Y6	Y8	Y10	Y12	Y16	Y20	Y25	Y32
				31				

LIGHT DUTY M.H. TYPE F1

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SUPPORTED

NH - HARBOUR MASTER SIGNATURE DATE	NH - FINANCIAL MANGER SIGNATURE DATE
NH - RISK MANAGER SIGNATURE DATE	NH - ENVIRONMENTAL MANAGER SIGNATURE DATE
NH - SECURITY MANAGER SIGNATURE DATE	NH - PROPERTY MANAGER SIGNATURE DATE
NH - CORPORATE AFFAIRS MANAGER SIGNATURE DATE	NH - MARINE OPERATIONS MANGER SIGNATURE DATE
NH - MARKETING MANAGER SIGNATURE DATE	NH - CHIEF FIRE OFFICER SIGNATURE DATE

FOR PROCUREMENT

No.	DESCRIPTION / REVISIONS	DATE
02	ISSUED FOR PROCUREMENT	2023-03-03
01	ISSUED FOR PROCUREMENT	2022-02-07
00	ISSUED FOR MEASUREMENT	2022-11-17

TRANSNET
national ports authority

PROJECT / AREA / ASSET / SUBJECT

PORT OF NGQURA
eMENDI BUILDING EXPANSION

DRAWING TITLE

RECREATIONAL FACILITY LAYOUT

DATE	2022-11-18	DRAWN BY MONERI TEFO 03.03.2023
SCALE	AS SHOWN	CHECKED DATE
DESIGNED BY	xx	CHECKED BY MAWABO TYEBI ECSA REG No. 2018600105
CHECKED BY	xx	03.03.2023
DRAWN BY	MT	SIGNATURE DATE
CHECKED BY	MT	SIGNATURE DATE

DESIGN & DRAWING SIGN OFF

PAPER SIZE	TRANSNET DRW. NO.	SHEET	REV.
A0	PoN-C0000-001-02		

CONSULTANT / CONTRACTOR DRW. NO.
XHOE0006-1-200-C-LA-0001-01