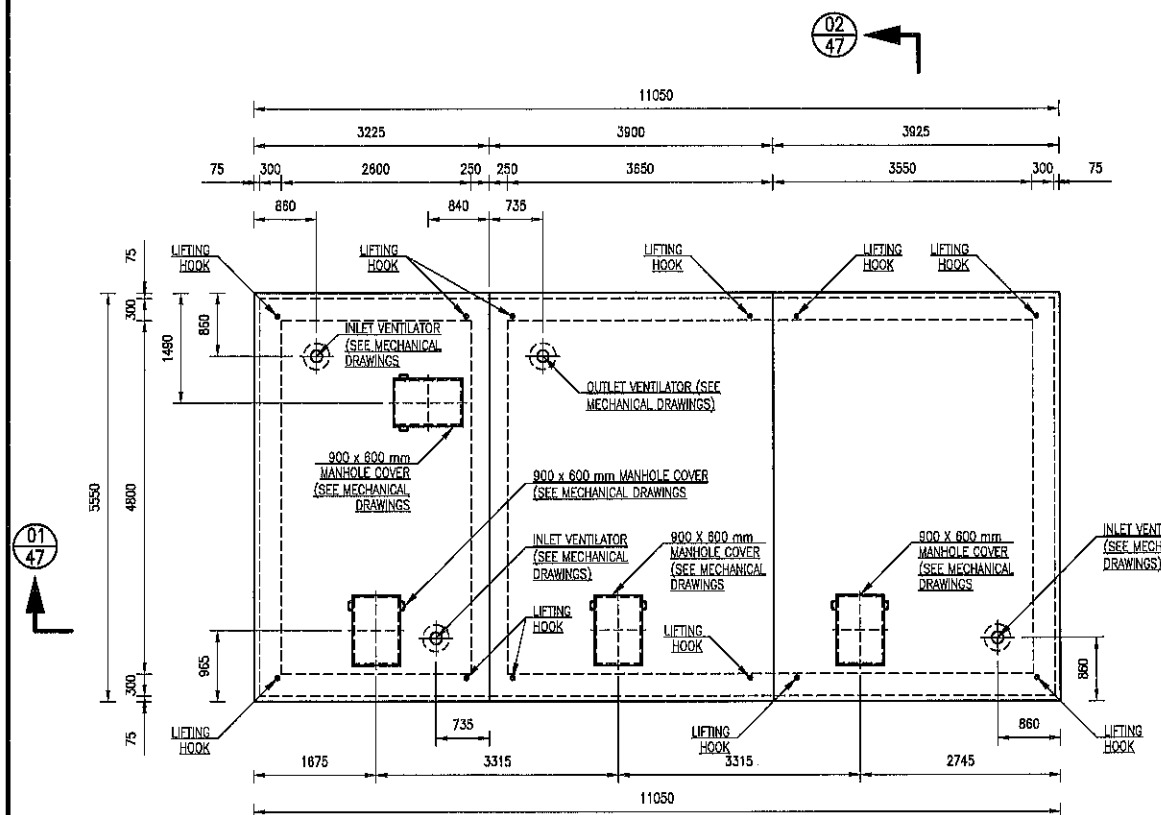
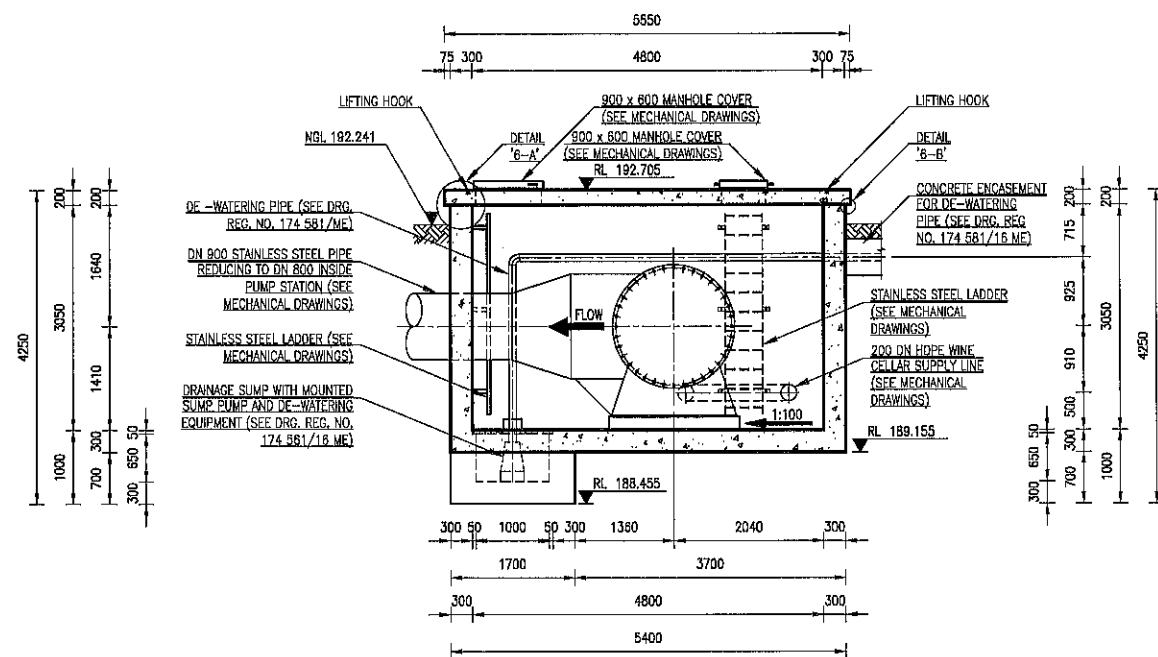
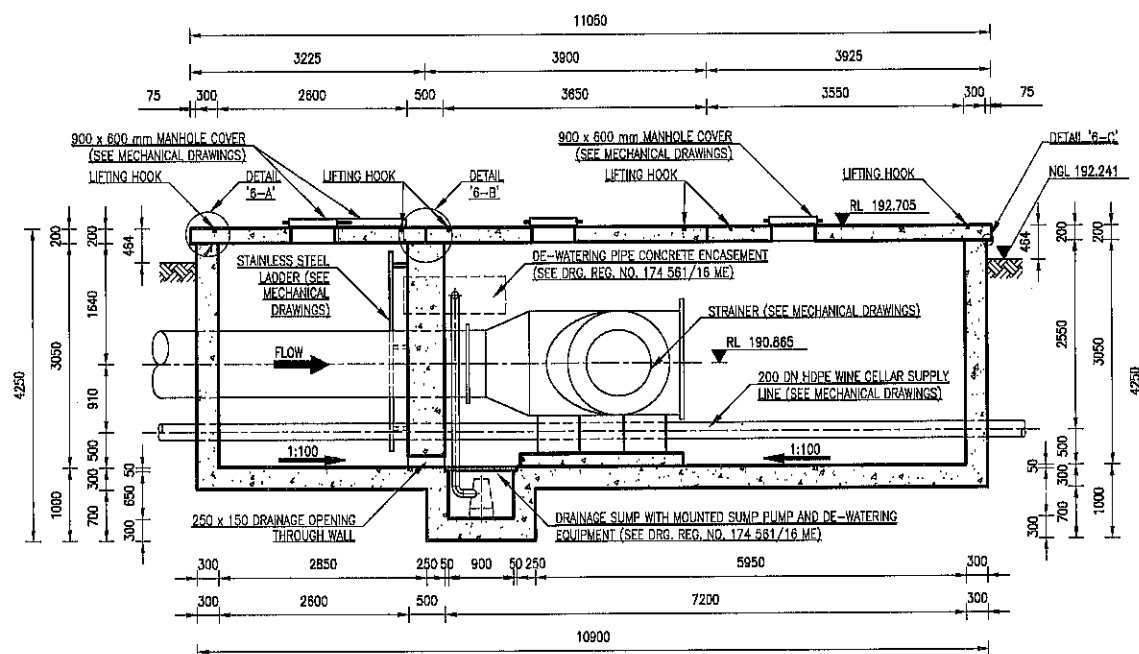




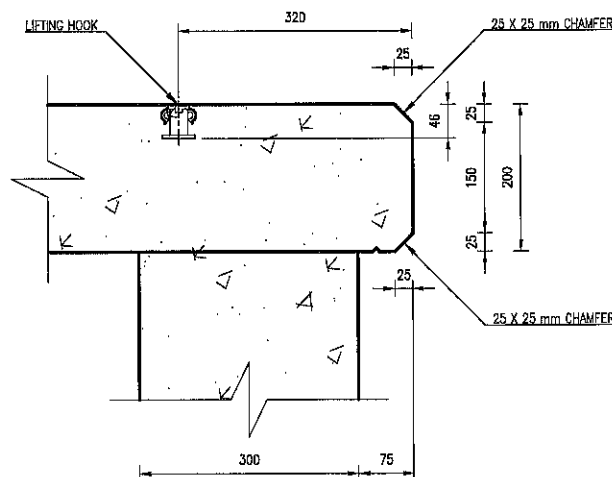
PLAN OF TOP SLAB
STRAINER ROOM
SCALE 1:50



SECTION 02-02
STRAINER ROOM
SCALE 1:50



SECTION 01-01
STRAINER ROOM
SCALE 1:50



DETAIL '6-A'
ROOF SLAB CHAMFER AND LIFTING HOOK DETAIL
SCALE 1:5

NOTES:

- AT CHAINAGE 227.452M EXCAVATE FOR FOUNDATIONS AND CONSTRUCT REINFORCED CONCRETE STRAINER ROOM FOR THE NEW DN800 OUTLET PIPE AND STRAINER. SEE BLOCK 4 DRAWING NUMBERS 174883/16 TO 174885/16 FOR ENCASEMENT DETAILS OF NEW DN800 OUTLET PIPE.
- FOR CONCRETE DETAILS REFER TO BLOCK 6 DRAWING NUMBERS 174894/16 AND 174895/16.
- THE THREE ROOF SLABS OF THE STRAINER ROOM SHOULD BE PRECAST AND LIFTED INTO POSITION USING LIFTING HOOKS.
- THE LIFTING HOOKS SHOULD BE EMBEDDED INTO THE PRECAST ROOF SLAB, SEE SPECIFICATIONS.
- THE BACKFILL LEVEL AROUND THE STRAINER ROOM MUST BE AT LEAST 500 mm BELOW THE TOP SLAB LEVEL.
- THE FLOOR MUST BE SLOPED AT LEAST 1% DOWNWARDS TOWARDS THE SUMP.
- FOR REINFORCEMENT DETAILS REFER TO BLOCK 6 DRAWING NUMBERS 174896/16 TO 174899/16.
- MAKE PROVISION FOR MECHANICAL AND DE-WATERING EQUIPMENT. REFER TO MECHANICAL AND DE-WATERING EQUIPMENT DRAWINGS FOR THE FOLLOWING DETAILS:
 - PIPES AND SPECIALS.
 - MISCELLANEOUS (GRATINGS, LADDERS, MANHOLE COVERS AND VENTILATORS).
 - DE-WATERING EQUIPMENT (SUMP PUMPS, DRAINAGE PIPES), SEE DRAWING 174581/16 ME.
 - PROVIDE CONCRETE BASE WITH J-BOLTS AS SPECIFIED ON MECHANICAL DRAWINGS.
- ENCASE THE 150mm DIAMETER DE-WATERING PIPE IN CONCRETE. THE PIPE RUNS FROM THE STRAINER ROOM SUMP TO THE CANAL.
- CONTRACTOR TO PROVIDE EMPLOYER'S AGENT WITH METHOD STATEMENTS FOR APPROVAL PRIOR TO ANY EXCAVATION, FOUNDATION PREPARATION, AND CONSTRUCTION.
- THE DEPTH AND NATURE OF THE EXISTING FOUNDATION MATERIAL IS UNKNOWN AND WILL BE DETERMINED ON SITE. THE EMPLOYER'S AGENT WILL APPROVE THE FOUNDATION AND SURFACE BEFORE ANY CONSTRUCTION WILL COMMENCE.
- CONTRACTOR TO TAKE INTO ACCOUNT ALL INFORMATION INCLUDED IN THE CONTRACT, INCLUDING BUT NOT LIMITED TO CONTRACT DATA, PRICING DATA, SCOPE OF WORKS WITH SPECIFICATIONS AND SITE INFORMATION.

SPECIFICATIONS:

- CONCRETE CLASS 40/19
- 50% GROUND GRANULATED COREX SLAG (GGCS) CEMENT REPLACEMENT (OR EQUIVALENT, SUBJECT TO THE APPROVAL OF THE EMPLOYER'S AGENT)
- ALL EXPOSED CORNERS TO HAVE 25 X 25 mm CHAMFER.
- ALL NON-SHUTTERED CONCRETE SURFACES SHALL HAVE WOOD-FLOATED FINISHES.
- LIFTING HOOKS PER ROOF SLAB SPECIFICATION:
 - 4 x PEEFER OR SIMILAR, SUBJECT TO APPROVAL, STAINLESS STEEL FLAT ANCHOR Rd 18 LIFTING ANCHOR (REF No. 05.002.184).
 - ANCHOR PLATE TO BE FIXED TO REINFORCEMENT AND EMBEDDED IN CONCRETE.

SECTION	NUMBER	SHEET	NUMBER
07	3		

STATUS:	CONSTRUCTION		
53/55	FLOW METER CHAMBER: BENDING SCHEDULE	-	174 900/16
52/55	STRAINER ROOM: FOUNDATION AND CORNER BEND REINFORCEMENT DETAILS.	-	174 899/16
51/55	STRAINER ROOM: WALL REINFORCEMENT DETAILS	-	174 898/16
50/55	STRAINER ROOM: WALL REINFORCEMENT DETAILS	-	174 897/16
49/55	STRAINER ROOM: ROOF SLAB REINFORCEMENT DETAILS	-	174 896/16
48/55	STRAINER ROOM: CONCRETE DETAILS	-	174 895/16
47/55	STRAINER ROOM: CONCRETE DETAILS	-	174 894/16
2/55	GENERAL LAYOUT OF OUTLET WORKS (KEY PLAN)	-	174 849/16
1/55	LIST OF DRAWINGS FOR SERIES 06 00 OUTLET WORKS: CONCRETE AND REINFORCEMENT DETAILS	-	174 848/16
SHEET	DESCRIPTION	OTHER No.	REG. No.
	LIST OF DRAWINGS		

REVISION					DEPARTMENT OF WATER AND SANITATION REPUBLIC OF SOUTH AFRICA					DAM SAFETY REHABILITATION PROJECT				
MOD No.	DATE	DESCRIPTION	FOR	DWA	HEAD OFFICE DAM SAFETY SURVEILLANCE PRIVATE BAG X 313 PRETORIA 0001					SEDIBENG BUILDING 185 FRANCIS BAARD STREET PRETORIA 012 335 7500				
					DESIGNED: K. POOE					DRAWN: K. POOE				
					CHECKED: T. MABALE					DATE: 12/05/22				
					ENGINEER: T. MABALE					DATE: 12/05/22				
					CHIEF ENG/ APP (PR ENG)					DATE: 12/05/22				
					PROVINCE: EASTERN CAPE					DISTRICT: WORCESTER				
					LOCALITY No: H100-08					TENDER/ CONTRACTS No.				
					KEY CODES					CHH ETP SRG - OTHER No.				
					SHEET 47 OF 55					REG. No. 174 894/16				

