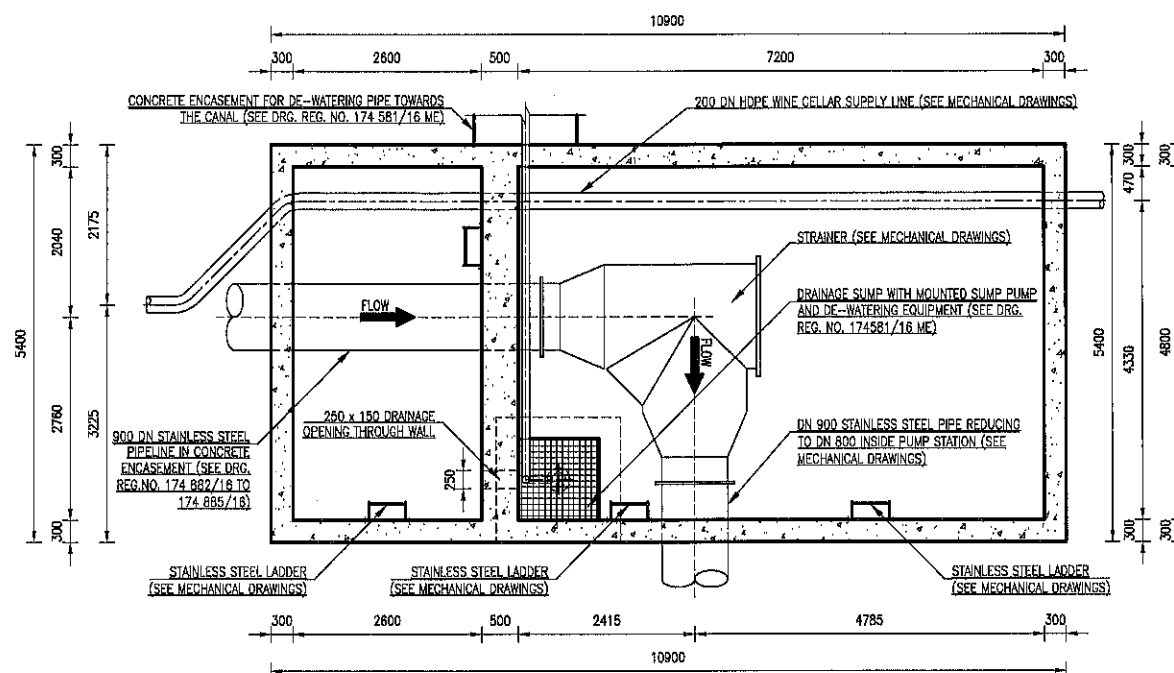
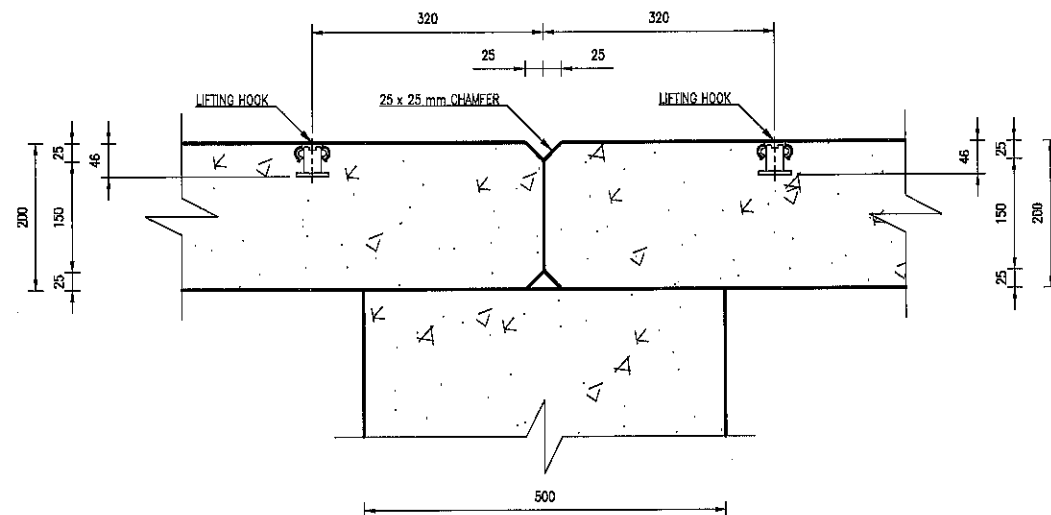
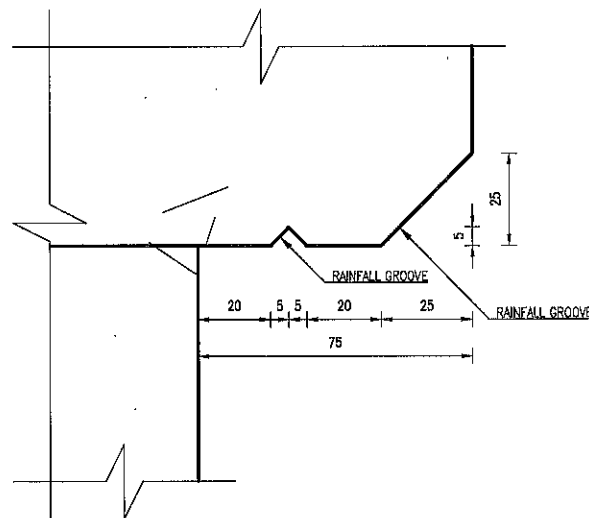




SECTION 03 -03
STRAINER ROOM
SCALE 1:50



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



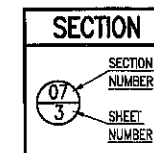
DETAIL '6-C'
RAIN GROOVE DETAIL
SCALE 1:1

NOTES:

- AT CHAINAGE 227.452M EXCAVATE FOR FOUNDATIONS AND CONSTRUCT REINFORCED CONCRETE STRAINER ROOM FOR THE NEW DN900 OUTLET PIPE AND STRAINER. SEE BLOCK 4 DRAWING NUMBERS 174883/16 TO 174886/16 FOR ENCASEMENT DETAILS OF NEW DN900 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 174900/16.
- 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 PFEIFER 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.



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

SCALE 1:1

0 0.01 0.02 0.03 0.04 0.05 0.1 0.2 m

SCALE 1:5

0 0.05 0.1 0.2 0.3 0.4 0.5 1 m

SCALE 1:50

0 0.5 1 2 3 4 5 10 m

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 012 336 7500		KWAGGASKLOOF DAM REHABILITATION STRAINER ROOM: CONCRETE DETAILS								
				DESIGNED: K. POOE													
				CHECKED: T. MABALE		DATE: 15/6		DRAWN: K. POOE									
				ENGINEER: T. MABALE		DATE: 15/6		EXTERNAL APPROVAL: 17/08/12		PROVINCE: EASTERN CAPE		DISTRICT: WORCESTER		KEY CODES: CHH ETP SRG - OTHER No.			
				CHIEF ENG/ APP (PR ENG)		DATE: 17/08/12		DIRECTOR (PR ENG)		LOCALITY No: H100-08		TENDER/ CONTRACTS No.		SHEET 48 OF 55			
										REG. No. 174 895/16							