



TITLE	PUMP No.1	PUMP No.2	PUMP No.3	SUMP PUMP	LIFTING DAVIT	OUTGOING FEEDER	OUTGOING FEEDER 2	LIGHTING & SMALL POWER DISTRIBUTION BOARD	EXTERNAL LIGHTING DB (PROVISIONAL)	COMMON CONTROL SECTION	LRTU / PLC SECTION	PANEL SOCKET SECTION	POWER FACTOR CORRECTION CAPACITORS	SPARE
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- NOTES:
- THESE DETAILS REPRESENT A MINIMUM REQUIREMENT AND MAY BE VARIED, SUBJECT TO APPROVAL, TO SUIT PROJECT REQUIREMENTS. THEY ARE EXPECTED TO BE INCORPORATED AS TYPICAL DETAILS WHICH SHALL BE CHECKED AND APPROVED AS PART OF THE PROJECT DRAWING SET.
- TARIFF METERING SHALL BE LOCATED OUTSIDE OF THE PUMPING STATION BOUNDARY WALL, NEXT TO THE ENTRANCE, IN A SUITABLY PROTECTIVE HOUSING (AS PER RSB CUSTOMER METERING REGULATIONS).
  - CONTRACTOR SHALL PREPARE DETAILED CALCULATIONS AND THE OTHER SUPPORTING DOCUMENTS, REQUIRED FOR EQUIPMENT AND CABLE SIZING.
  - POWER FACTOR CORRECTION CAPACITORS SHALL IMPROVE THE OVERALL FACTOR TO 0.9 LAGGING.
  - MOTOR STARTERS SHALL BE AS PER THE SPECIFICATIONS.
  - THE RTU/PLC SHALL BE MAINTAINED IN OPERATION DURING MAINS FAILURE, DRAWING POWER FROM THE BATTERY.
  - MAIN INCOMER CIRCUIT BREAKER TO BE PROVIDED WITH EARTH LEAKAGE PROTECTION.THE SETTING TO BE CONFIRMED BY ADDC.
  - ELCB TO BE PROVIDED FOR PUMPS UPTO 125A. FOR PUMPS ABOVE 125A,CBCT WITH RELAY TO BE PROVIDED.

#### REFERENCE DRAWINGS AND DOCUMENTS

No.	REVISIONS	APP'D	DATE
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CLIENT

TITLE  
STANDARD DRAWINGS  
STORM WATER WORKS

DRAWING TITLE  
STANDARD DRAWING  
LIFTING STATION  
( DRY WELL)  
SINGLE LINE DIAGRAM

DRAWN	-	SCALE	NTS
CHECKED	-	DATE	-
APPROVED	-	SIZE	A1
PROJECT No.	-	DWG. No.	1203