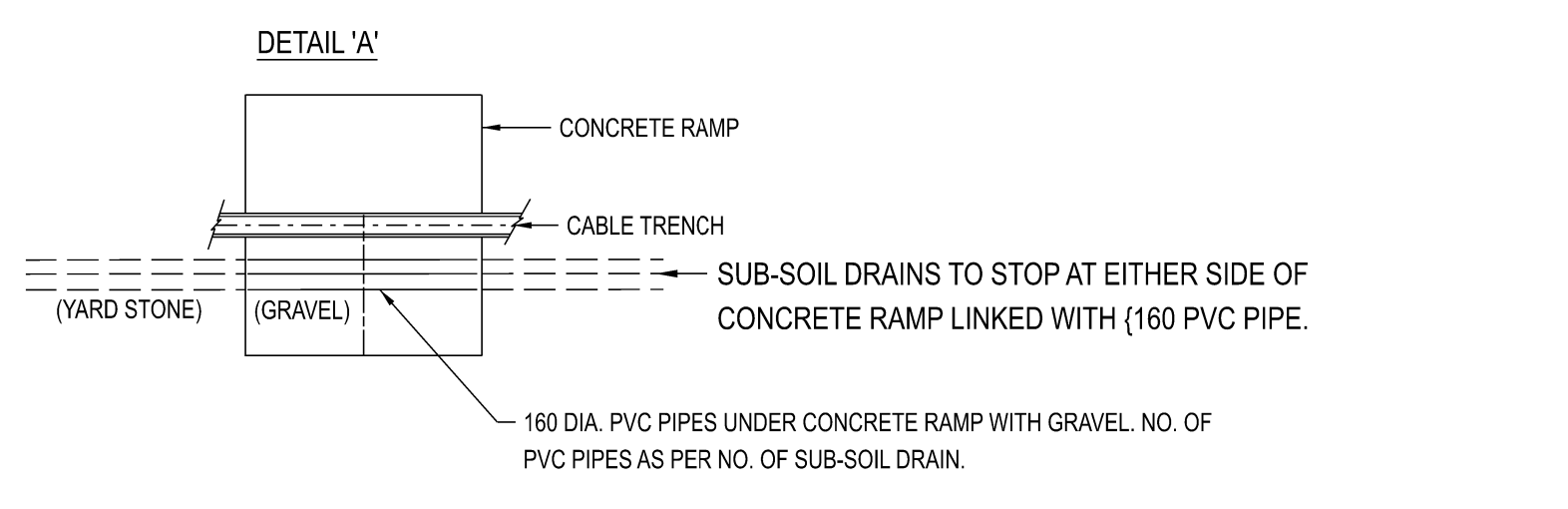


LEGEND

- [Symbol] 300 mm CLASS S10 SPIGOT AND SOCKET PIPES WITH NEOPRENE RINGS LAID ON CLASS B' BEDDING
- [Symbol] DRAINAGE SYSTEM: VARIOUS DIAMETER CONCRETE PIPES (U-S) TYPE CLASS S10 ON CLASS B' BEDDING
- [Symbol] SUB-SOIL DRAIN: x1, x2 OR x3 (160 mm uPVC SLOTTED PIPES WITH FALL 1:100 min. SEE DRG 0.54/390 SHT 12B)
- [Symbol] SUB-SOIL DRAIN: WITH CONCRETE BASE AS PER DRG 0.54/390 SHT 12C BEHIND STORAGE YARD
- [Symbol] CONCRETE GUTTER GRID INLET AS PER DRG 0.54/390 SHT 73
- [Symbol] (25 mm HOPE CLASS 8 FROM HEAD TANK TO CONTROL BLDG AND TO SVC BUILDING (DEPTH 0.75m))
- [Symbol] 160 mm uPVC SEWER PIPE - SEWER MANHOLE - FOR DETAILS SEE DRG 0.54/390 SHT 2
- [Symbol] TYPE 1 BRICK MANHOLE - FOR DETAILS SEE DRG 0.54/390 sh 1
- [Symbol] PIPE OUTLET STRUCTURE - FOR DETAILS SEE DRG 0.54/390 SH 13
- [Symbol] CONCRETE LINED GUTTER SLOPE 1:150 - NEXT TO ROAD 0.54/390 SHT 7 ON EDGE OF TERRACE 0.54/390 SHT 8
- [Symbol] GUTTER WITH GRATING AS PER DRG 0.54/390 SHT 6
- [Symbol] WATER RETICULATION PIPES (VARIOUS D) 50 PVC CLASS 10
- [Symbol] IL INVERT LEVEL
- [Symbol] D=600 DEPTH BELOW TERRACE OR NGL = 600mm
- [Symbol] HP HIGHEST POINT



OIL DAM DETAILS

OIL DAM TYPE 12 - 0.54/3754
DAM COMPARTMENT WALL - 0.54/3984 SHT 3
DAM JOINT DETAILS - 0.54/5664
WELDMESH COVER DETAIL - 0.54/390 SHT 74

- NOTES**
- LOCATE ADEQUATE BOREHOLE AND PROVIDE SUITABLE PURIFICATION SYSTEM TO RENDER THE WATER FIT FOR HUMAN CONSUMPTION.
 - INSTALL AN IN-LINE BOOSTER PUMP AT THE CONTROL BUILDING, WITH A NON-RETURN VALVE BETWEEN THE PUMP AND TANK. THE BOOSTER PUMP MUST BE SET AT 4 BAR. THE PUMP MUST CONSIST OF THE FOLLOWING, OR EQUALLY APPROVED - LOWARA STAINLESS STEEL CM7034 WITH 25i HYDRO TUBE AND 5 BAR KIT
 - CONSTRUCT A CHAMBER WITH LID FOR PUMP OR PREFAB FIBREGLASS AS FOR SWIMMING POOL.
 - SUPPLY 25mm ISOLATING VALVE AT THE BUILDING AND OTHER POSITIONS AS INDICATED.
 - PIPE FROM BOREHOLE SUPPLY TO TANK TO BE 1.0m DEEP. THE PIPELINE SHALL BE DIA. 50 HDPE TYPE IV CLASS 10 WITH PLASSON COMPRESSION FITTINGS
 - PIPE ROUTE TO BE MARKED AT ALL CHANGES OF DIRECTION AND EVERY 100m. WITH A 1m HIGH PRECAST CONCRETE MARKER PAINTED YELLOW. (DRG. 0.54/390 SHT. 80).
 - PROVIDE REDUCING VALVE, GALV. TO HDPE FITTINGS, BENDS ETC AT ALL CONNECTIONS TO EXISTING PIPES.
 - PRECAST CONCRETE VALVE BOX TO BE PROVIDED AT ALL ISOLATING VALVES. (DRG. 0.54/390 SHT. 79A).
- MH 8, 10 TO BE CONSTRUCTED AS DETAILED IN DRAWING 0.54/390 SHT 1c.
- ANTI-INTRUSION GRID TO BE INSTALLED IN THE FOLLOWING MANHOLES AS DETAILED IN DRAWING 0.54/390 SHT 16:
- MH 9
MH 11
MH 20
MH 25
MH 30
MH 31
- MH 17 COVER TO BE 450x450 GRATING AND FRAME HEAVY DUTY.

PH2 LEVELS NOTES

THE FULL WATER LEVEL AT THE OIL DAM IS 827.293 THEREFORE, THIS LEVEL TO BE TAKEN INTO CONSIDERATION FOR FUTURE TRFPP PLINTH DESIGN. (THE LOWEST DRAINAGE IL IN THE TRFPP BUND AREA TO BE HIGHER THAN THIS LEVEL).

FINAL DESIGN FOR CONSTRUCTION

ORIGINAL DWG #: 0.12/7772 REV 0
DETAIL DWG #: N/A

REV 1	FIRST ISSUE	DATE	18-03-2023	REFERENCE DRAWINGS
REV 2	REVISION DESCRIPTION	DRAWN	CHD	AUTH
APPROVED BY		DATE	10/11/2023	
CHECKED BY		DATE	03-10-2023	
DRAWN BY	P. DOYLE	SHEET NUMBER	0	REVISION
DATE	03-10-2023	SCALE	1:500	0

ESKOM HOLDINGS LIMITED
REG No: 2002/015527/06

UPINGTON

400/132KV YARD

STORMWATER DRAINAGE AND FIRE PROTECTION

SOLP21P05-SE-E65

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