

STORAGE REQUIRED FOR PUMPING STATION:

PROPOSED FLOW RATE = 8.35 L/s , STORAGE REQUIRED FOR 1 HOUR PEAK FLOW = $8.35 \times 60 \times 60 = 30.06\text{m}^3$

LOWEST CONNECTED LATRINAL DRAIN = 1.500 (TBC)

HIGH LEVEL WET WELL ALARM = -1.045 (TBC)

VOLUME IN WET WELL = $(1.500 - (-1.045)) \times 1.05 \times 1.05 \times 3.142 = 8.82\text{m}^3$

VOLUME IN MH2, F4, F3, F5, F6, F8, F9, F10, F11, F11A, F12 = 14.37m^3

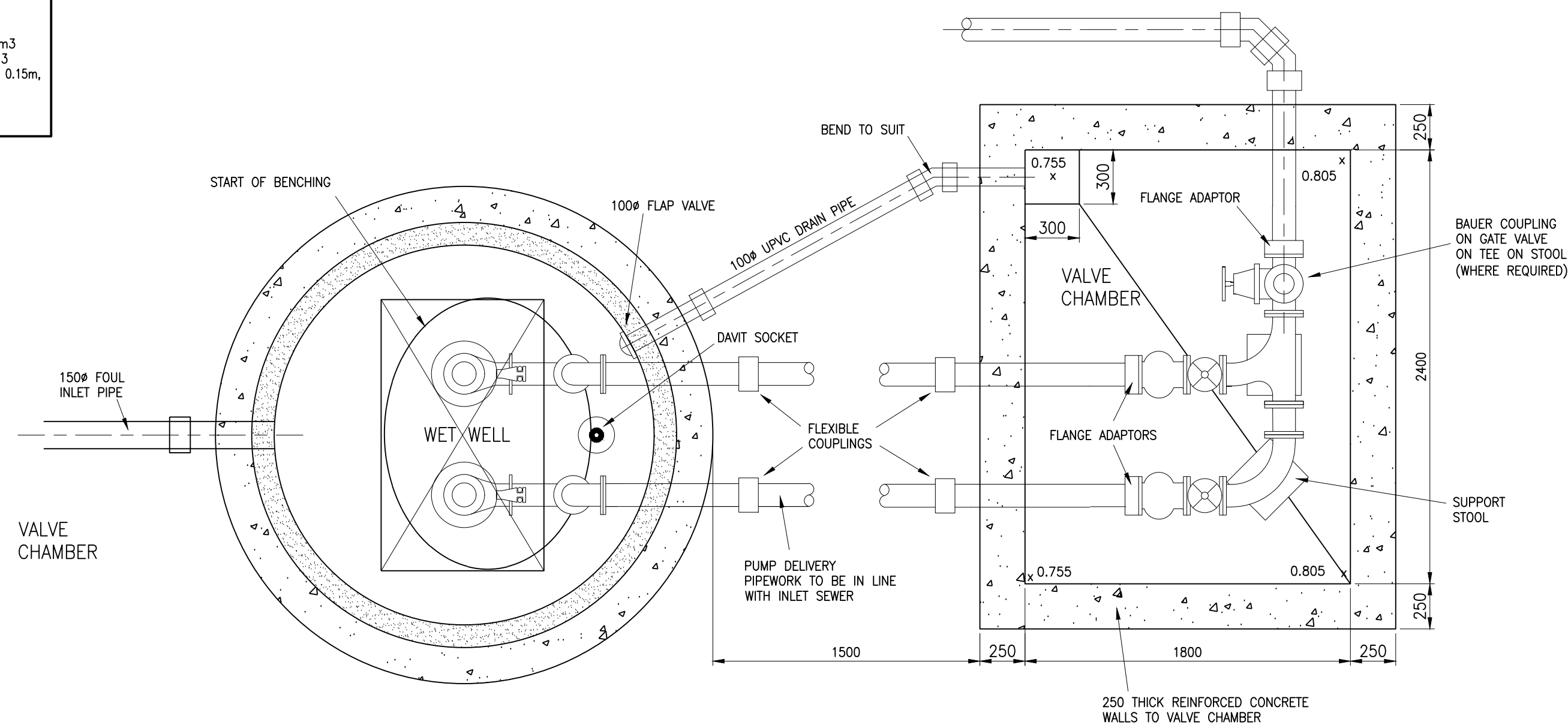
STORAGE WITHIN ADJACENT WET WELL, SEWER PIPE LENGTH 49.3m, PIPE DIAMETER 0.15m,

STORAGE $(14.37 \times 0.42 \times 0.75 \times 0.75 \times 93) = 8.82\text{m}^3$

TOTAL STORAGE PROVIDED = $8.82 + 14.37 + 8.71 = 31.9\text{m}^3 \times 30.06\text{m}^3$

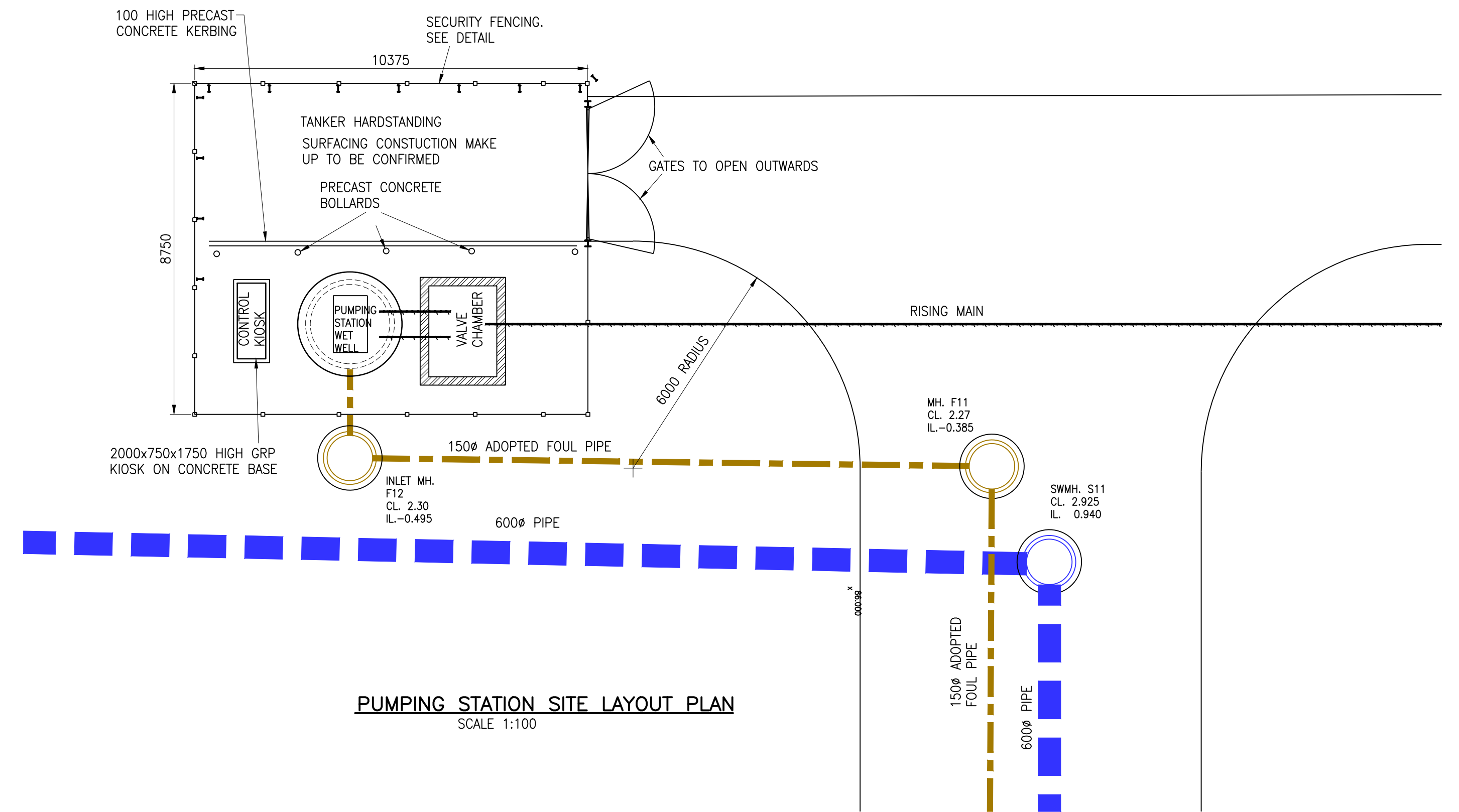
THEREFORE STORAGE PROVIDED IS ADEQUATE

DETAIL-500KG DAVIT SOCKET

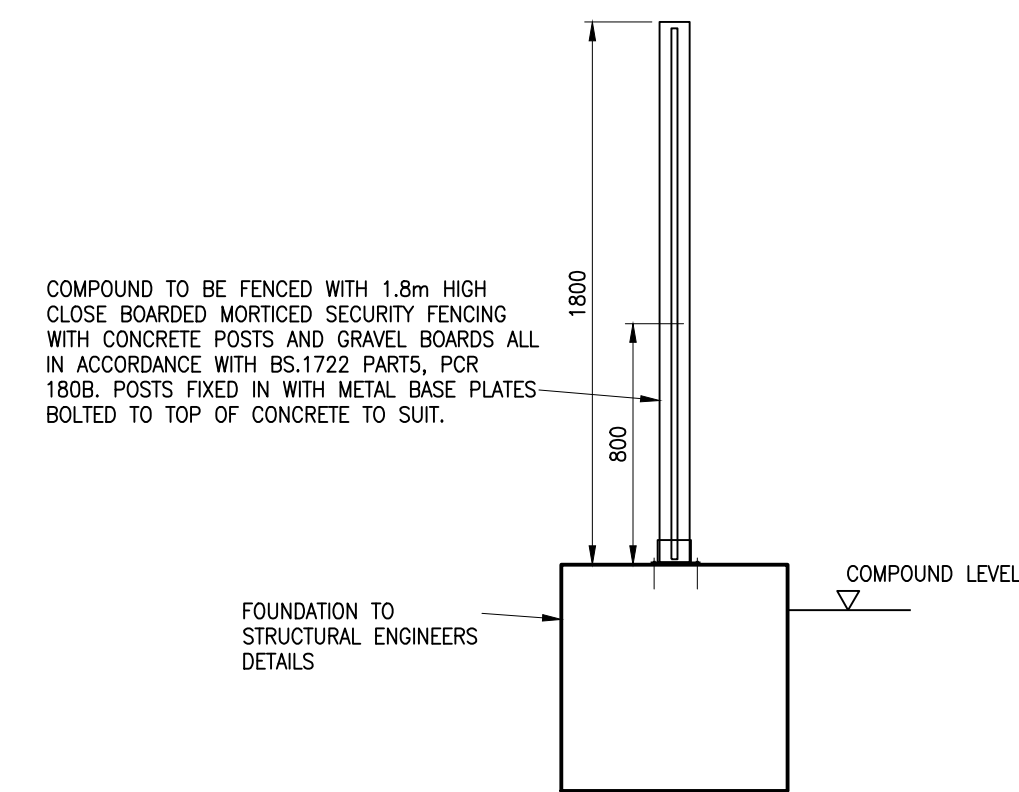


PUMPING STATION AND VALVE CHAMBER DETAILS

NOTE:
THE PUMPING STATION WET WELL, VALVE CHAMBER AND SITE LAYOUT
TO BE DESIGNED IN ACCORDANCE WITH SEWERS FOR ADOPTION (7th
EDITION) AND TO SOUTHERN WATERS REQUIREMENTS



PUMPING STATION SITE LAYOUT PLAN
SCALE 1:100



VEHICLE CONTAINMENT
BARRIER SECURITY
FENCING DETAIL

SCALE 1:25

P1	ISSUED FOR TENDER		DO	KN	04.01.19
Appr.	Description:		Dtn:	Cht:	Date:

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saunders

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CONSULTING ENGINEERS

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Client:	LANDLINK ESTATES
Architect:	MOUNTFORD PIGOTT
Project:	SALTBOX SITE BOGNOR REGIS
Drawing Title:	PHASE 1 PUMPING STATION DETAILS

Drawn: DO	Chkd/Appd: KN	Date: NOV '18	Sheet Size: A1	Scale: N.T.S
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KSA Project Number: 6090	Sub: D2	Revision: P1
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Project	Originator	Zone	Level	Type	Role	Number
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