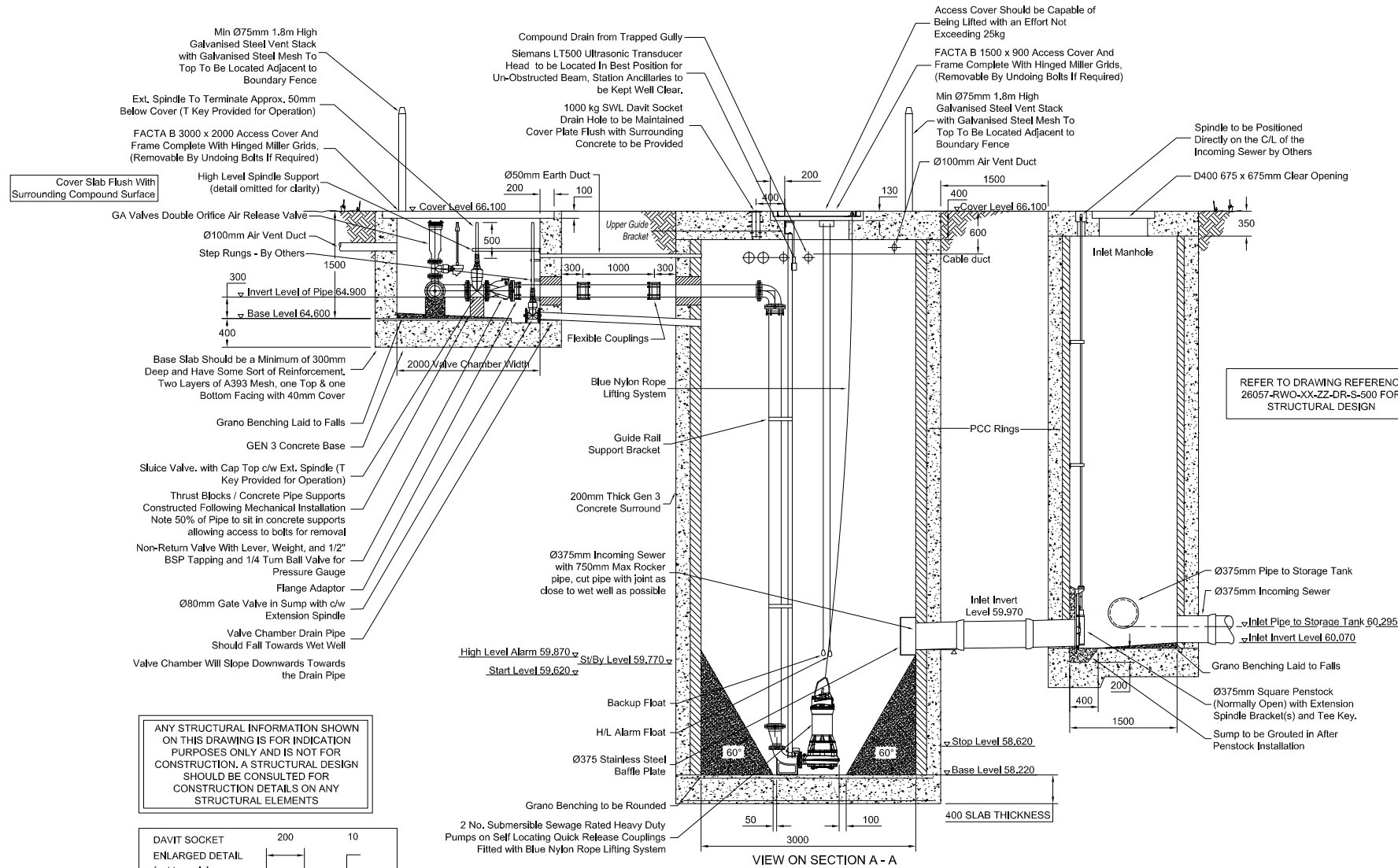




FOUL WATER PUMPING STATION

NOTES

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- ALL PIPES & PUDDLE FLANGE HOLES IN CHAMBER WALLS TO BE CORED CIRCULAR NOT SQUARE.

A01	FOR APPROVAL	LC	CS	15/05/2026
REV	DESCRIPTION	BY	CHKD	DATE



CLIENT:
BARRATT HOMES NORTH THAMES

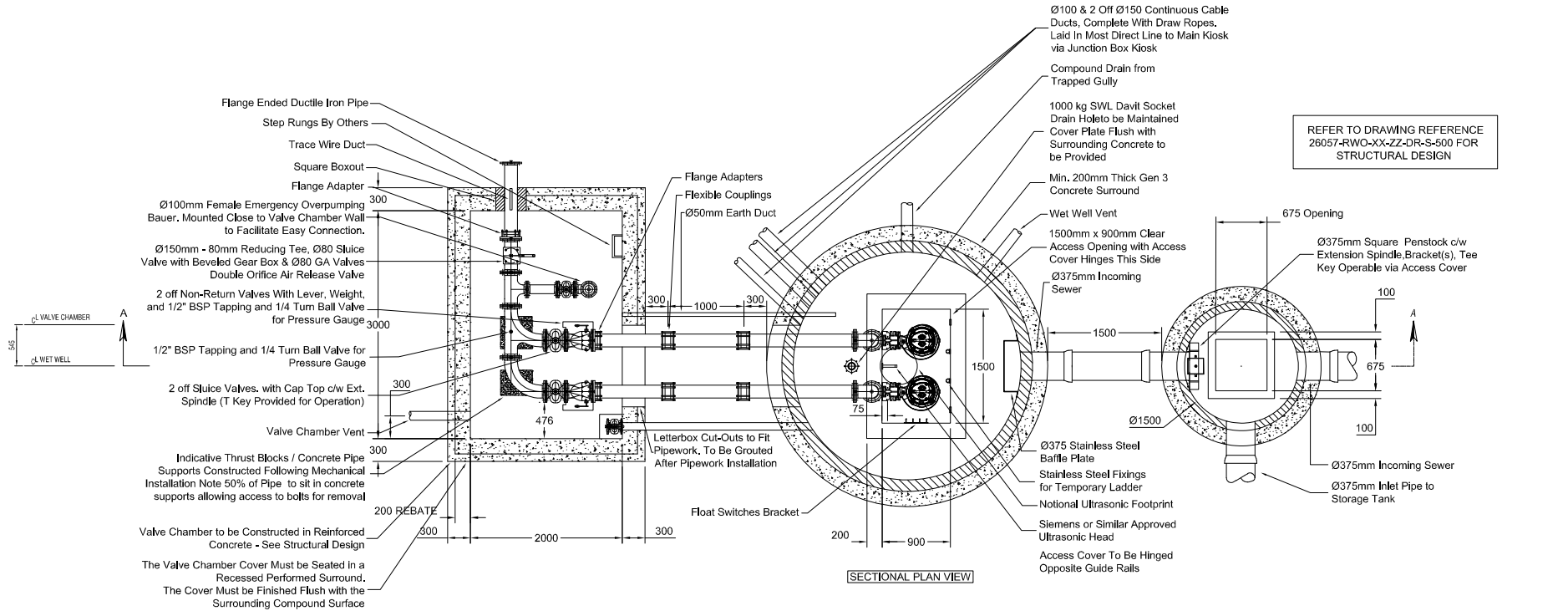
PROJECT:
HIGHOVER FARM, HITCHIN

DRAWING TITLE:
FOUL WATER PUMPING STATION
ELEVATION VIEW

SCALE: 1:60
DRAWN: LC
CHECKED: CS
DATE: 15/05/2026

DRAWING NUMBER: 48388/GA/0001
REVISION: A01

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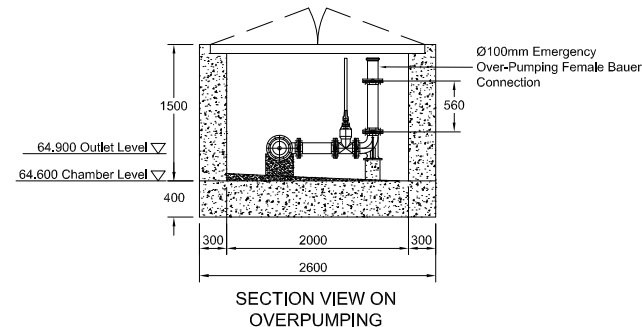
PUMP INFORMATION	
PUMP TYPE	SULZER XFP100G CB1
IMPELLER	CAST IRON
MOTOR RATING	18.5kW, ExP, 36.9 A FLC
DUTY FLOW	16.7 l/s
HEAD GENERATED	28.2m
PIPE / VALVE SIZE	Ø150mm
TYPE OF LEVEL CONTROL	SIEMENS ULTRASONIC CW HIGH LEVEL ALARM AND BACK UP FLOAT SWITCHES
FINAL CONNECTION	DUCTILE IRON
TERMINATION	FLANGE ENDED
PIPE O.D.	Ø170mm
FLANGE DATA	PN16
RM COUPLER	Ø170mmOD Ductile Ø180mm PE Converter

ANY STRUCTURAL INFORMATION SHOWN ON THIS DRAWING IS FOR INDICATION PURPOSES ONLY AND IS NOT FOR CONSTRUCTION. A STRUCTURAL DESIGN SHOULD BE CONSULTED FOR CONSTRUCTION DETAILS ON ANY STRUCTURAL ELEMENTS

OPERATING LEVEL -	
- INVERT OF INLET	- 59.970
- HIGH LEVEL ALARM	- 59.870
- STAND BY PUMP START	- 59.770
- DUTY PUMP START LEVEL	- 59.620
- PUMP STOP LEVEL	- 58.620
- DEAD AREA	- 400mm
- OPERATING DEPTH	- 1000mm
- OPERATING VOLUME (APPROX)	- 3300 l

All Cut Pipe Joints As Close To Structures As Possible Consistent With Making The Joint, The Rocker Pipes To Be 1m Or Equal To One Nominal Pipe Diameter Whichever Is The Larger

IF BOXOUT HOLES TO BE CORE DRILLED, Civil's To Ensure All Core Drillings Are Parallel To Centre Line / Perpendicular To Valve Chamber



REFER TO DRAWING REFERENCE 26057-RWO-XX-ZZ-DR-S-500 FOR STRUCTURAL DESIGN

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A01	FOR APPROVAL	LC	CS	15/05/2026
REV	DESCRIPTION	BY	CHKD	DATE



CLIENT:
BARRATT HOMES NORTH THAMES

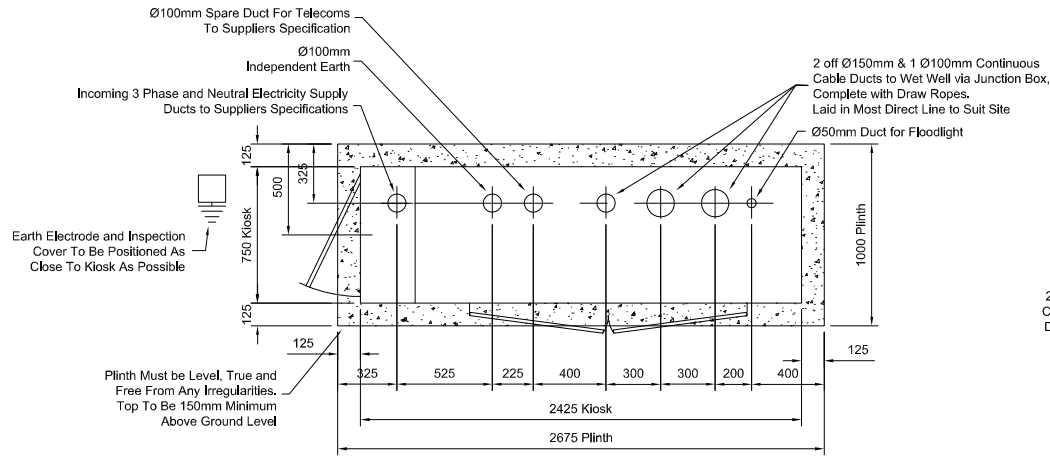
PROJECT:
HIGHOVER FARM, HITCHIN

DRAWING TITLE:
FOUL WATER PUMPING STATION
PLAN VIEW

SCALE: 1:60	DRAWN: LC	CHECKED: CS	DATE: 15/05/2026
DRAWING NUMBER: 48388/GA/0002			REVISION: A01

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CONTROL PANEL KIOSK



Tolerance on Duct Centre Positions ±10mm

All Ducts To Be Cut Level With Top Of Plinth

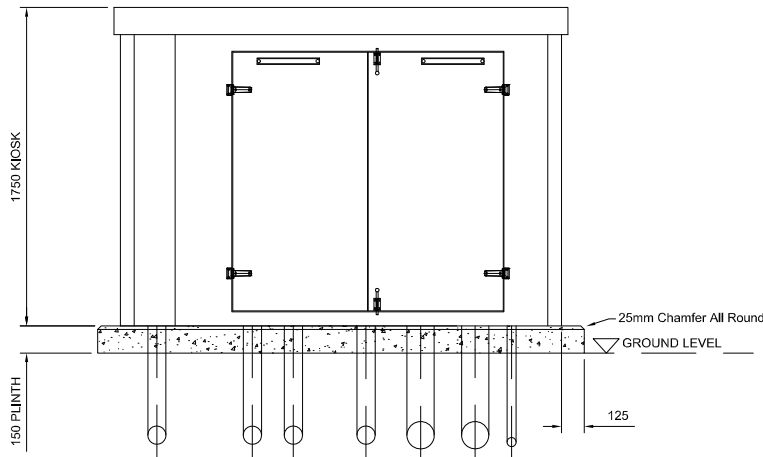
When The Installation Is Complete All Cable Ducts To Be Sealed To A Minimum Depth Of 100mm Maximum Depth Of 150mm With An Approved Polyurethane Foam Impervious To Water And Gas.

Kiosk doors fitted with triangular keyed camlocks at the top and bottom of each door and a secure hardened hasp and staple sized to take a padlock.

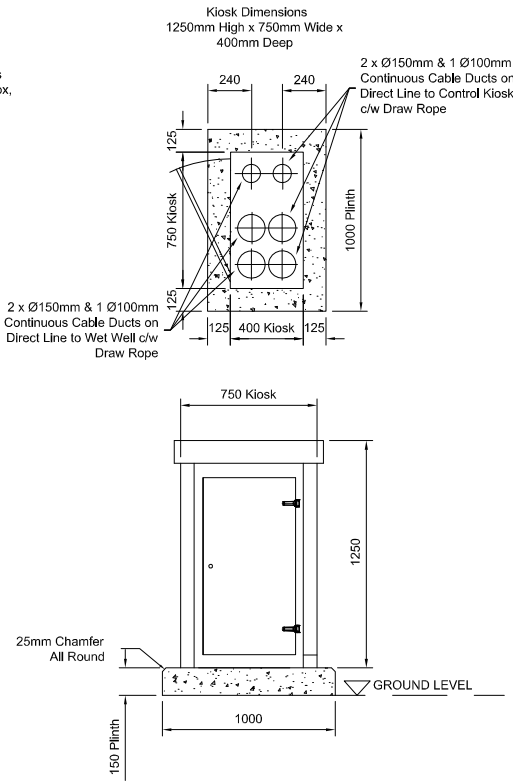
All cable ducts to be sealed in the kiosk and capped with a with a gas tight sealing putty 10ATEX 137 directive.

The kiosk must be located a min. 2m away from the wet well and valve chamber.

When The Installation Is Complete All Cable Ducts To Be Sealed To A Minimum Depth Of 100mm Maximum Depth Of 150mm With An Approved Polyurethane Foam Impervious To Water And Gas.



JUNCTION BOX KIOSK PLINTH DETAIL



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A01	FOR APPROVAL	LC	CS	15/05/2026
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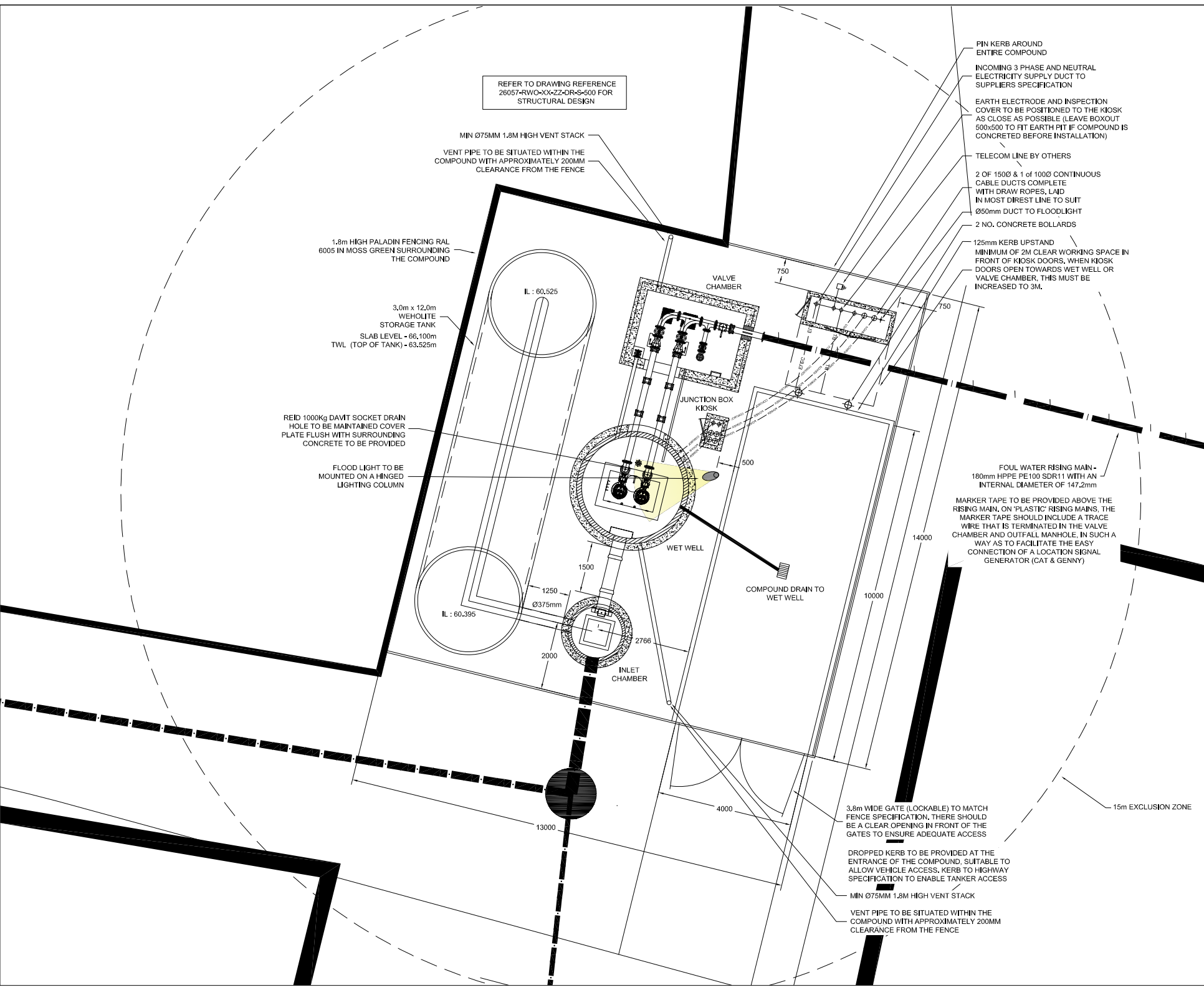
CLIENT:
BARRATT HOMES NORTH THAMES

PROJECT:
HIGHOVER FARM, HITCHIN

DRAWING TITLE:
CONTROL PANEL KIOSK AND JUNCTION BOX KIOSK

SCALE: 1:30	DRAWN: LC	CHECKED: CS	DATE: 15/05/2026
DRAWING NUMBER: 48388/GA/0003	REVISION: A01		

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A02	UPDATED TO SUIT REVISED DRAINAGE	CS	SH	09/07/2026
A01	FOR APPROVAL	LC	CS	15/05/2025

REV	DESCRIPTION	BY	CHKD	DATE

CLIENT:
BARRATT HOMES NORTH THAMES

PROJECT:
HIGHOVER FARM, HITCHIN

DRAWING TITLE:
SITE COMPOUND

SCALE: 1:100	DRAWN: LC	CHECKED: CS	DATE: 15/05/2026
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DRAWING NUMBER: 48388/SL/0010	REVISION: A02
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