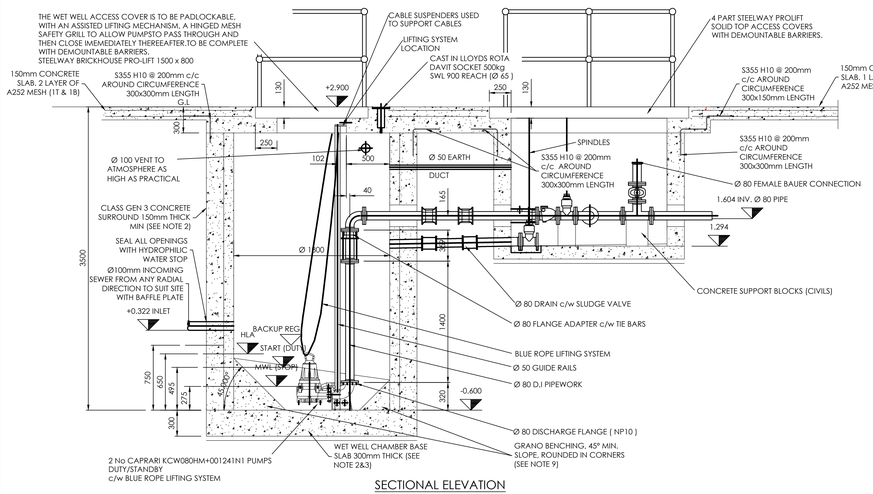
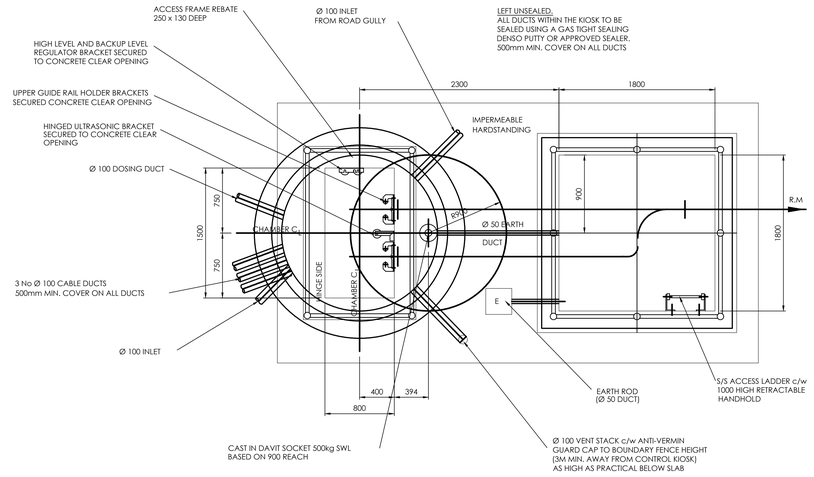


SECTIONAL ELEVATION

NOTES
ALL CABLE DUCTS TO HAVE DRAW STRINGS FITTED. ALL DUCT BENDS SLOW RADIUS. CABLE DUCTS IN WET WELL TO BE

LEFT UNSEALED.
ALL DUCTS WITHIN THE KIOSK TO BE SEALED USING A GAS TIGHT SEALING DENSO PUTTY OR APPROVED SEALER. 500mm MIN. COVER ON ALL DUCTS



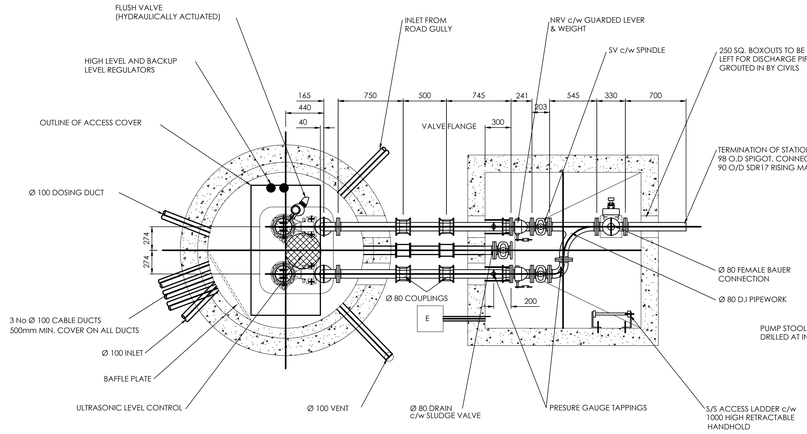
PLAN AT GROUND LEVEL

GENERAL NOTES

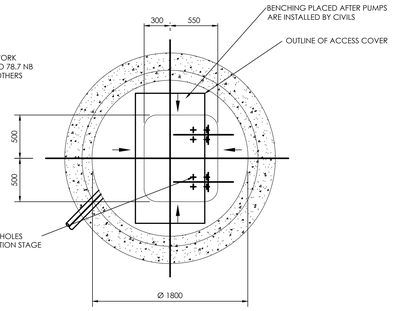
ALL DIMENSIONS IN MILLIMETRES. ALL INVERTS IN METERS AOD, UNLESS OTHERWISE STATED.

NOTES

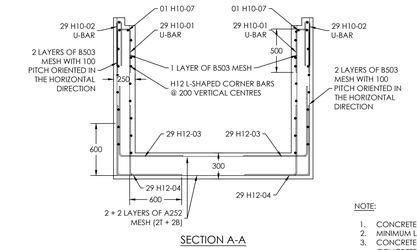
1. 2 No CAPRARI KCW080HM+001241N1 PUMPS.
2. MANHOLE PC RINGS TO BE SULPHATE RESISTING PRECAST CONCRETE BEDDED WITH MORTAR, PROPRIETARY BITUMEN OR RESIN MASTIC SEALANT.
3. CONCRETE BASE SLABS AND WALLS SHOULD BE C28/35 WITH 20mm AGGREGATE AND CONCRETE SURROUND MUST BE A MINIMUM OF 150mm THICK WITH GRADE GEN 3.
4. ALL CONCRETE IN THE GROUND TO BE SULPHATE CLASS DS-1 AND CHEMICAL RESISTANCE CLASS ACEC AC-1; TO BRE SPECIAL DIGEST 1.
5. VALVE CHAMBER WALLS AND BASE TO BE WATERPROOFED TO PREVENT THE INGRESS OF GROUND WATER.
6. THE BOTTOM FLANGE SHALL BE SEALED WITH MASTIC, BOLTED TO THE PLINTH IN ACCORDANCE WITH 'PIMS' STANDARD INSTALLATION PROCEDURES. 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.
7. ALL CIVILS WORK BY CONTRACTOR INCLUDING MAKING GOOD AROUND PIPES AFTER INSTALLATION, BENCHING, FIXING ACCESS COVERS AND LAYING CABLE DUCTS.
8. REINFORCING BARS TO HAVE MINIMUM 40mm COVER.
9. BENCHING TO BE FORMED AS LAID DOWN IN 'SEWERS FOR ADOPTION' 6th EDITION AND TO LOCAL/ADOPTING AUTHORITY SPECIFICATIONS. BENCHING TO BE FORMED AFTER PUMP INSTALLATION.
10. ALL DUCTS 100mm MINIMUM INTERNAL DIAMETER COMPLETE WITH DRAW ROPES AND AVOIDING ACUTE CHANGES OF DIRECTION. SERVICE DUCTS TO SUPPLIERS SPECIFICATIONS.
11. DIRECTION OF DUCTS SHOWN DIAGRAMMATICALLY - ALL DUCTS TO BE LAID ON MOST DIRECT LINE TO SUIT SERVICE BEING CARRIED.
12. LEVEL CONTROLS SHOWN NOTIONALLY, TO BE POSITIONED AWAY FROM OBSTRUCTIONS, LEVELS READILY ADJUSTABLE AFTER INSTALLATION.
13. 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.
14. C/W TORSION SPRING ASSISTED LIFT, 'STAM-PLOCK' LOCKING MECHANISM, RECESSED PADLOCK BOX, SELF LOCATING SAFETY STAYS, INTERNAL HINGED SAFETY GRID AND DIS-MOUNTABLE BARRIER SYSTEM (XYLEM SUPPLY ONLY).
15. DESIGN IS TO SEWERS FOR ADOPTION 6th EDITION.
16. PUMPING STATION LEVELS ARE SUCH THAT IT IS NOT SUSCEPTIBLE TO FLOODING DURING THE 1:30 YEAR RETURN STORM PERIOD AND ALL ELECTRICAL EQUIPMENT IS POSITIONED ABOVE THE 1:200 YEAR RETURN STORM PERIOD OR WATER RESISTANT.
17. ALL FITTINGS ARE TO BE STAINLESS STEEL.
18. ALL EXTRANEOUS METAL WORK IS TO BE EQUIPOTENTIALY BONDED WITH SAFETY ELECTRICAL EARTH 'DO NOT REMOVE' LABELS FITTED.
19. NON DEGRADABLE MARKER TAPE IS TO BE LAID 300mm ABOVE THE TOP OF THE RISING MAIN.
20. THE LIFTING EQUIPMENT WILL BE LOAD TESTED AND LEAP TAGGED PRIOR TO FORMAL ADOPTION OF THE STATION.
21. THE RISING MAIN WILL BE PRESSURE TESTED PRIOR TO THE FORMAL ADOPTION OF THE STATION.



SECTIONAL PLAN



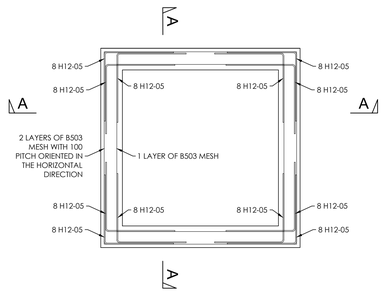
PLAN OF SUMP FLOOR



SECTION A-A

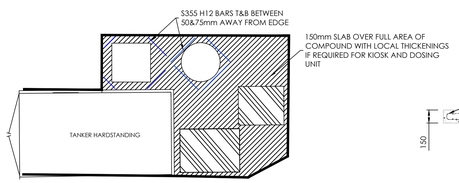
NOTE:

1. CONCRETE COVER = 40mm
2. MINIMUM LAP LENGTH = 40 x BAR DIAMETER
3. CONCRETE TO BE C32/40 WATERPROOF CONCRETE (CALTITE OR SIMILAR APPROVED)
4. TO BE READ IN CONJUNCTION WITH BAR BENDING SCHEDULE BS573/01



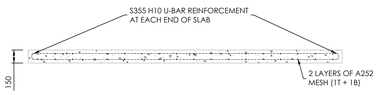
PLAN

VALVE CHAMBER RC BOX DESIGN

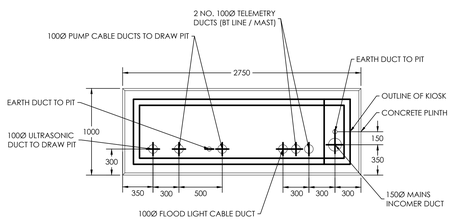


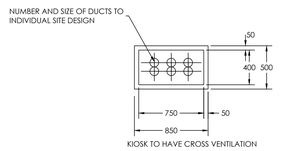
PUMP STATION RC LAYOUT

SCALE 1:100

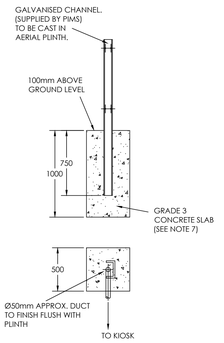


SECTION THROUGH SLAB REINFORCEMENT

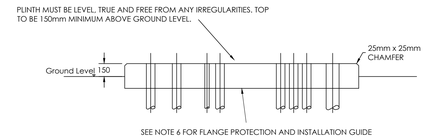




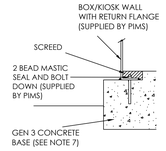
1250 x 750 x 400 JUNCTION BOX KIOSK PLINTH DETAIL



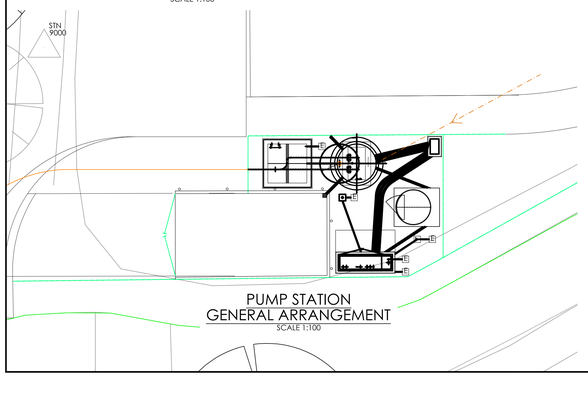
TELEMETRY OUTSTATION DETAIL



1765 x 2500 x 750 CONTROL KIOSK PLINTH DETAILS



JUNCTION BOX & MCC KIOSK REBATE DETAIL



PUMP STATION GENERAL ARRANGEMENT

SCALE 1:100

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REV	DATE	AMENDMENT DETAILS	DRAWN	APPROVED

PROJECT: PINFOLD LANE, WESTON LINCOLNSHIRE	DATE: 01.10.19	DRAWING STATUS: INFORMATION	
	SCALE(S): 1:25 UNO.	DESIGNED: BC	DRAWN: BC
DRAWING TITLE: GENERAL ARRANGEMENT PUMP STATION		CHECKED: YAS	APPROVED: YAS
	JOB No: 1636		
CLIENT: BROADGATE HOMES	DRAWING No: 02/006	REVISION: -	

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