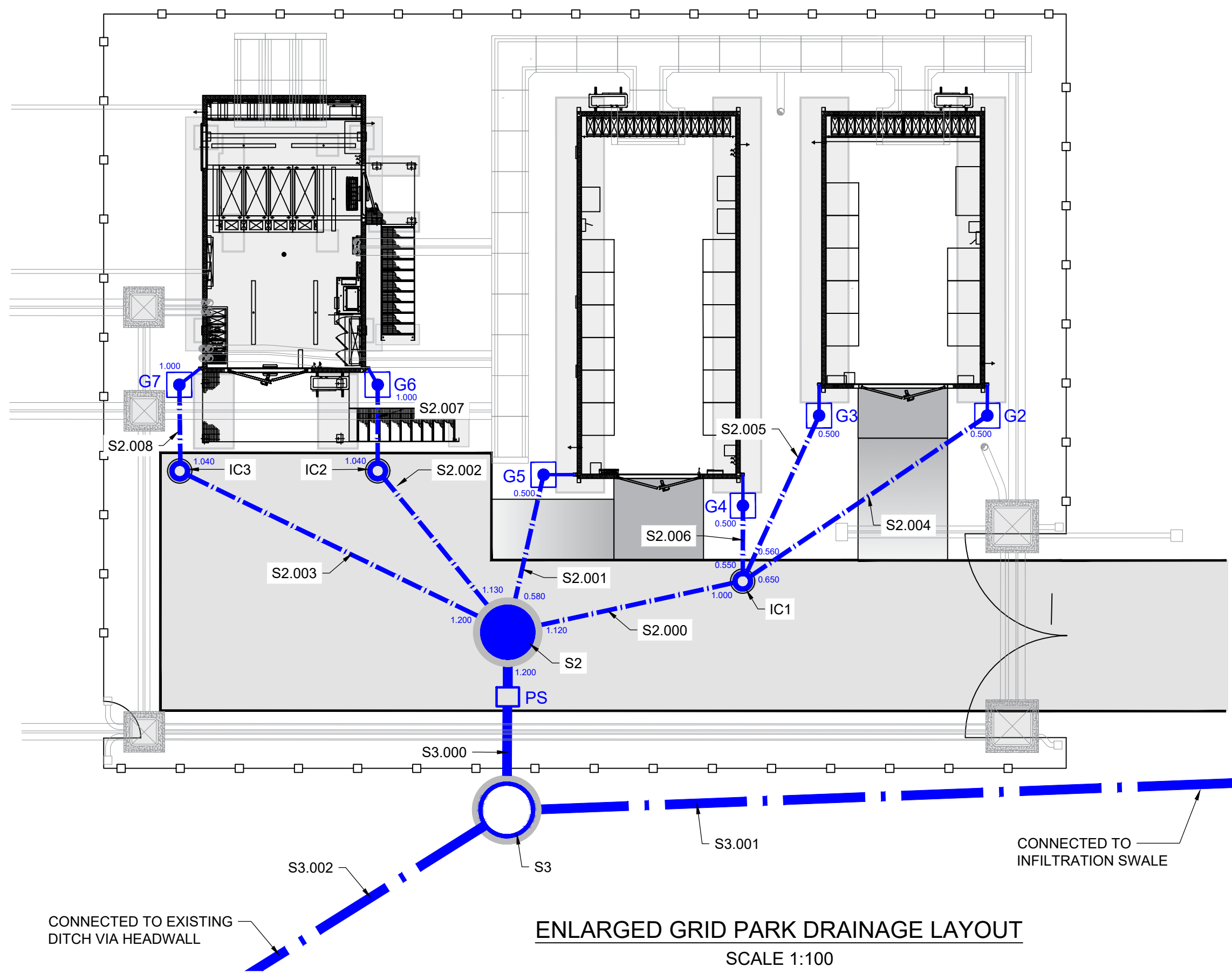
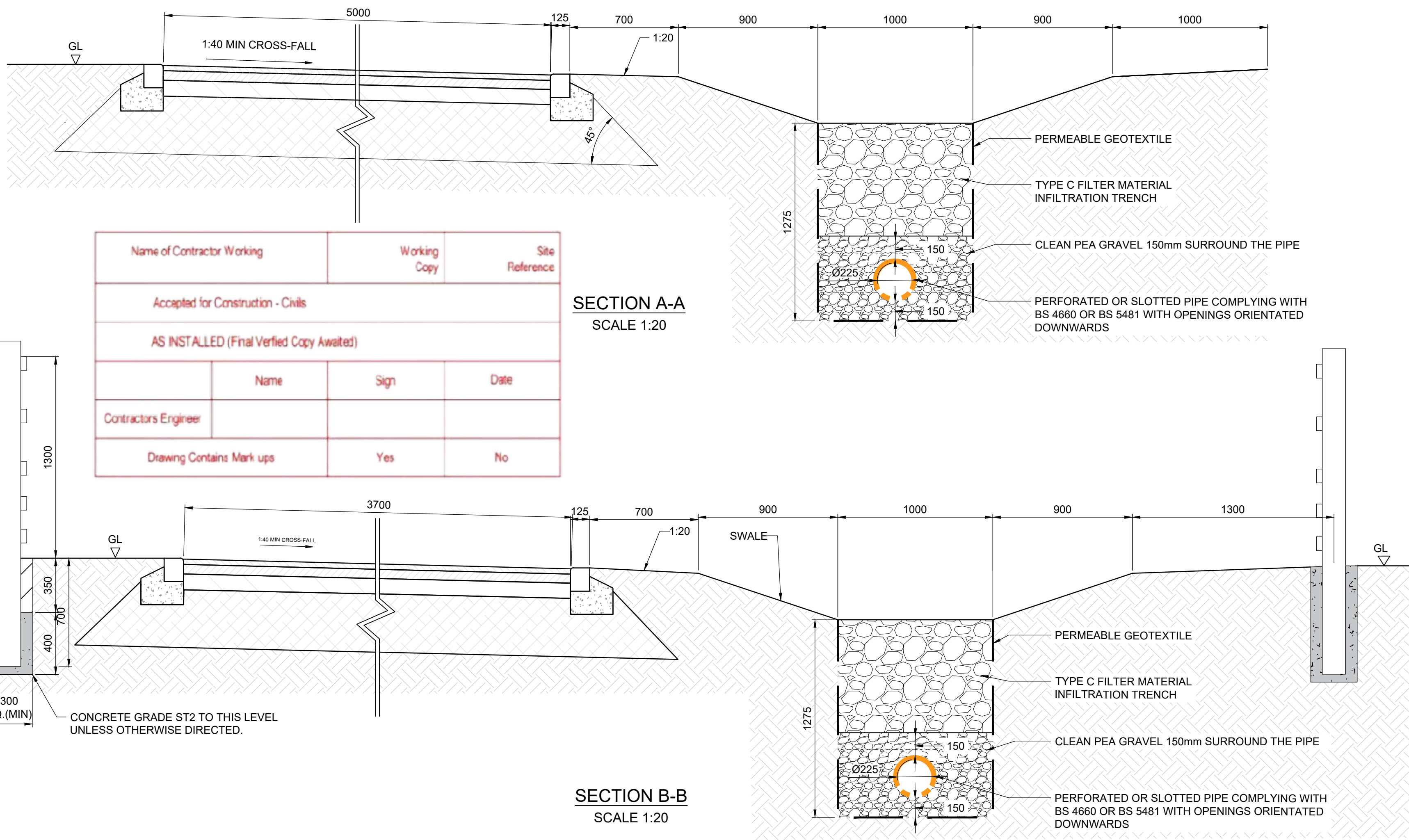
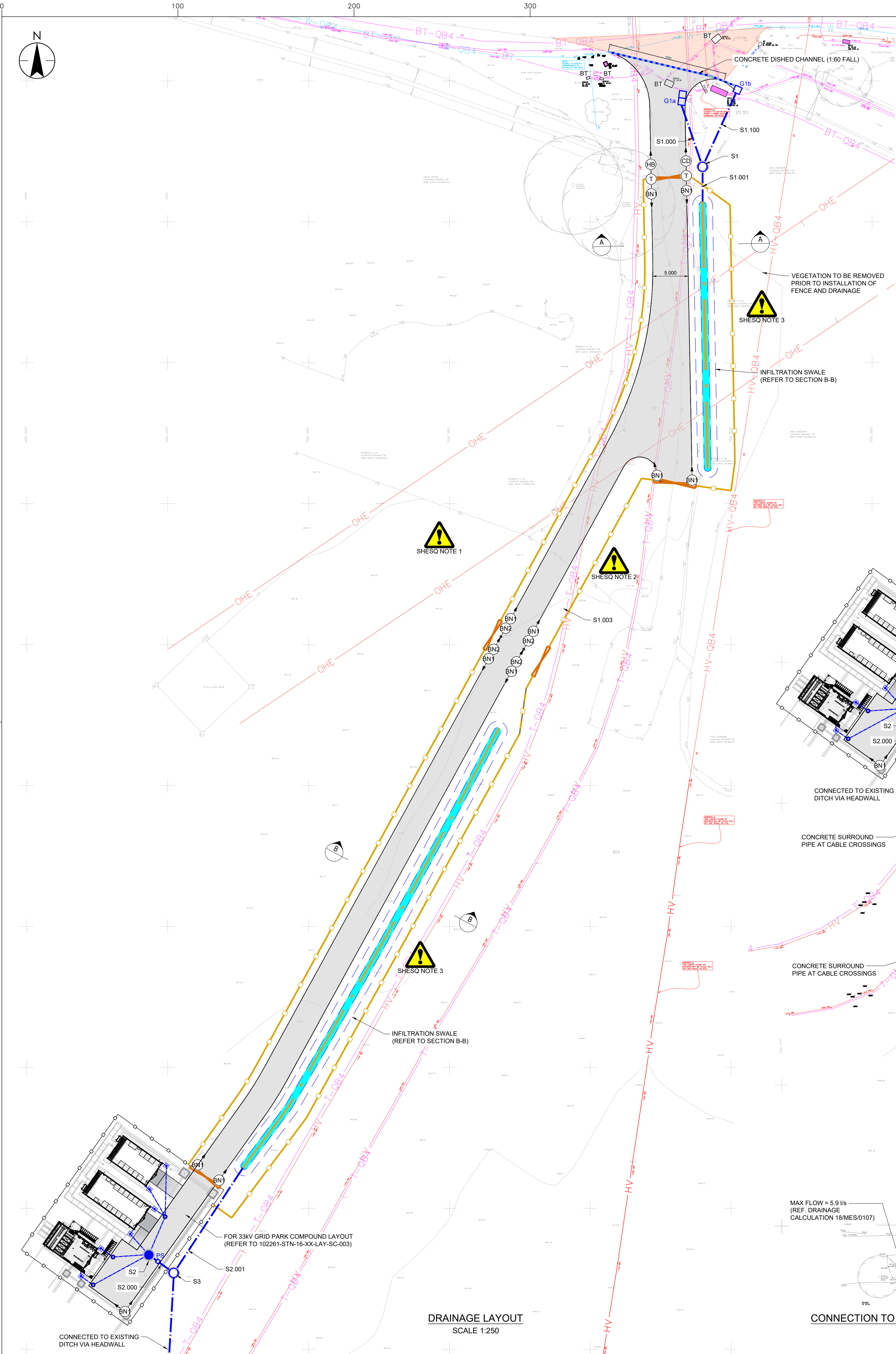




	EASTING (m)	NORTHING (m)	COVER LEVEL (m)	OUTGOING PIPE	OUTGOING INVERT LEVEL (m)	DEPTH TO INVERT (m)	LENGTH (m)	SLOPE (1:XXX)	PIPE DIA (mm)	REMARKS
G1a	389912.992	166497.069	41.200	S1.000	40.900	0.300	8.6	150	150	PIPE TO HAVE TYPE Z CONCRETE SURROUND PROTECTION
G1b	389920.894	166498.742	41.250	S1.100	40.950	0.300	10.8	150	150	
G2	389839.803	166346.060	40.910	S2.004	40.410	0.500	7	50	100	
G3	389837.407	166342.700	40.910	S2.005	40.410	0.500	4.3	50	100	
G4	389838.122	166339.897	40.910	S2.006	40.410	0.500	1.7	50	100	
G5	389834.691	166336.356	40.910	S2.001	40.410	0.500	3.9	50	100	
G6	389830.528	166334.313	40.910	S2.007	39.910	1.000	2	50	100	
G7	389827.704	166330.352	40.910	S2.008	39.910	1.000	2	50	100	PIPE TO HAVE TYPE Z CONCRETE SURROUND PROTECTION
IC1	389839.648	166338.809	40.890	S2.000	39.890	1.000	5	50	100	
IC2	389832.249	166333.085	40.910	S2.002	39.870	1.040	4.3	50	100	
IC3	389829.432	166329.132	40.910	S2.003	39.870	1.040	7.8	50	100	PIPE CONNECTION INTO GRANULAR INFILTRATION TRENCH
S1	389915.937	166487.818	41.230	S1.001	40.170	1.060	4.3	200	225	
S2	389837.322	166333.390	40.860	S3.000	39.660	1.200	5.7	150	150	PIPE TO HAVE TYPE Z CONCRETE SURROUND PROTECTION
S3	389840.855	166330.833	40.795	S3.001	39.460	1.335	17.2	200	225	
				S3.002	40.060	0.735	74.5	200	225	PIPE CONNECTION INTO EXISTING DITCH VIA HEADWALL

GENERAL NOTES:

- THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DOCUMENTATION.
- ALL DIMENSIONS ARE IN METERS UNLESS SPECIFIED OTHERWISE.
- ALL LEVELS ARE IN METERS UNLESS SPECIFIED OTHERWISE AND RELATIVE TO ORDNANCE DATUM (NEWLYN).
- DRAWING BASED ON TOPOGRAPHICAL SURVEY INFORMATION BY FREEDOM GROUP, DRAWING REFERENCE g-map/43734401 TO g-map/43734416 REV 0 DATED JUNE 2024.
- ALL WORKS TO BE UNDERTAKEN IN ACCORDANCE WITH NATIONAL GRID TECHNICAL SPECIFICATION TS 2.10.08 & TS 3.10.8, AND THE SPECIFICATION FOR HIGHWAY WORKS (SHW).

CONCRETE NOTES:

- CONCRETE TO BE IN ACCORDANCE WITH BS EN 206 & BS8500 AND TO HAVE THE FOLLOWING COMPRESSIVE STRENGTH:
DESIGNATED CONCRETE AND EXPOSURE CLASS UNLESS NOTED OTHERWISE)
MASS CONCRETE GEN3

DRAINAGE NOTES:

- A GROUND INFILTRATION RATE OF 2.11x10⁻⁵ m/s HAS BEEN USED FROM SITE INVESTIGATION. REFER TO REPORT D30395 FROM DUNELM GEOTECHNICAL & ENVIRONMENTAL.
- DRAINAGE PIPEWORK TO BE EITHER CLAY PIPEWORK TO BS EN 285, SOLID WALL PVC-U PIPEWORK TO BS EN 1401, SPIRAL WOUND WELDED HDPE PIPEWORK TO BS EN 13476 PARTS 1 & 2, STRUCTURE-WALL THERMOPLASTIC PIPEWORK TO BS EN 13476 PARTS 1 & 3, POLYPROPYLENE PIPEWORK TO BS EN 1862, CONCRETE PIPEWORK TO BS EN 1916 & BS 5911 PART 1, DUCTILE IRON PIPEWORK TO BS EN 598. INSPECTION CHAMBERS ARE TO BE COMPATIBLE WITH THE SYSTEM USED. MANHOLES TO BE GENERALLY CONSTRUCTED OF EITHER PRECAST CONCRETE COMPONENTS TO BS 5911 OR CLASS B ENGINEERING BRICK TO BS 3921.
- ALL SURFACE WATER DRAINAGE PIPES TO HAVE TYPE Z BEDDING AS PER MCHW DETAIL F1.
- THE CONTRACTOR IS TO ENSURE ACCESS COVERS DO NOT STRADDLE KERBS OR PAVING JOINTS.
- ALL DRAINAGE NETWORKS SHOULD BE MAINTAINED REGULARLY BY A COMPETENT PERSON(S) TO ENSURE EFFECTIVE ONGOING OPERATION.
- PIPES UNDER HARDSTANDING AREA, PLATFORMS OR RAMPS, TO BE ENCASED IN 150mm THICK GEN 3 CONCRETE.

SHESQ NOTES

- EXISTING UTILITY APPRATUS LOCATED WITHIN THE WORKS, INCLUDING OVERHEAD CABLES. LOCATION OF ALL UTILITY APPRATUS SHOULD BE VERIFIED ON SITE PRIOR TO WORKS BEING UNDERTAKEN. UTILITY APPRATUS SHOWN ON THIS DRAWING IS INDICATIVE. TAKEN FROM SURVEY INFORMATION PROVIDED, AND IS TO BE VERIFIED ON SITE.
- LIVE CABLES ARE TO BE INVESTIGATED AND CABLES PROTECTED DURING THE DURATION OF THE WORKS. ANY REDUNDANT CABLES ARE TO BE DIVERTED OR REMOVED SUBJECT TO AGREEMENT WITH THE CLIENT.
- MIN. OFFSET FOR SWALES FROM CARRIAGEWAY IS INSUFFICIENT. BRE365 RECOMMEND MIN. 5m.

STN DESIGN ASSUMPTIONS

- A GROUND INFILTRATION RATE OF 2.11x10⁻⁵ m/s HAS BEEN USED FROM SITE INVESTIGATION. REFER TO REPORT D30395 FROM DUNELM GEOTECHNICAL & ENVIRONMENTAL.
- DRAINAGE HAS BEEN SIZED TO ACCOMMODATE NEW ACCESS ONLY. NO ALLOWANCE FOR OVERLAND FLOW HAS BEEN MADE. DRAINAGE WORKS WILL REQUIRE APPROVAL BY THE RELEVANT LLFA PRIOR TO CONSTRUCTION.
- STN ASSUME THAT APPROPRIATE SURVEYS FOR TPOs, PROTECTED SPECIES AND OTHER ENVIRONMENTAL CONSTRAINTS HAVE BEEN CARRIED OUT AND DEEMED TO NOT AFFECT THE PROPOSED WORKS.
- ALL WORKS WITHIN THE HIGHWAY WILL REQUIRE APPROVAL FROM THE RELEVANT AUTHORITY PRIOR TO CONSTRUCTION.

GENERAL KEY

- PROPOSED WOODEN POST AND RAIL FENCING

BT

- EXISTING BT CHAMBER TO BE RETAINED

DRAINAGE KEY

- PROPOSED TYPE 1 BRICK CHAMBER (1200 x 750mm) OR 1200mm DIAMETER PRE-CAST CONCRETE CHAMBER WITH C250 COVER (REFER TO MCHW DETAIL F3)
- PROPOSED TYPE 1 BRICK CHAMBER (1200 x 750mm) OR 1200mm DIAMETER PRE-CAST CONCRETE CHAMBER WITH D400 COVER (REFER TO MCHW DETAIL F3)
- PROPOSED 600mm INSPECTION CHAMBERS
- PROPOSED PIPE
- PROPOSED PERFORATED PIPE
- CONCRETE DISHED CHANNEL (1:60 FALL)
- PROPOSED INFILTRATION SWALE (REFER TO DETAIL ON DWG 102261-STN-18-XX-GA-SC-001)
- PROPOSED GULLY (REFER TO MCHW DETAIL F13)
- PROPOSED PENSTOCK
- PROPOSED RODDING EYE (REFER TO DETAIL ON DWG 102261-STN-18-XX-GA-SC-001)

KERB KEY

- EXTENTS OF 125mm x 150mm BN2 KERB (REFER TO 102261-STN-16-XX-LAY-SC-002 DETAIL 1)
- EXTENTS OF 150mm x 150mm BN2 KERB (REFER TO 102261-STN-16-XX-LAY-SC-002 DETAIL 2)
- EXTENTS OF 125mm x 255mm HB2 KERB (REFER TO 102261-STN-16-XX-LAY-SC-002 DETAIL 3)
- EXTENTS OF COMBINED DRAINAGE KERB (REFER TO 102261-STN-16-XX-LAY-SC-002 DETAIL 4)
- 125 x 255 / 150 mm PRECAST CONCRETE HALF BATTERED (HB) TO BULLNOSED (BN1) DROP KERB TYPE D1 LEFT HAND DROP KERBS & TYPE D11 RIGHT HAND DROP KERBS

THIS DRAWING IS TO BE PRINTED IN COLOUR

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33kV GRID PARK DRAINAGE LAYOUT & SECTIONS

Site	MELKSHAM 400KV SUBSTATION	AO
Originator Drawing Number	102261-STN-18-XX-LAY-SC-001	CAD
NG Drawing Number	18/MES/0106	Sheet No. 1 of 1
Scale	AS SHOWN	1

ISSUE

C01	NG Investment No. 102261	C02	NG Investment No. 102261	C03	NG Investment No. 102261	C04	NG Investment No. 102261	C05	NG Investment No. 102261	C06	NG Investment No. 102261
DRAWN	GH	GH	GH	GH	GH	GH	GH	GH	GH	GH	GH
CHECKED	ACA	ACA	ACA	ACA	ACA	ACA	ACA	ACA	ACA	ACA	ACA
APPROVED	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA	RA
DATE	08/04/2025	DATE	13/06/2025	DATE	02/07/2025	DATE	11/08/2025	DATE	18/09/2025	DATE	18/11/2025

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