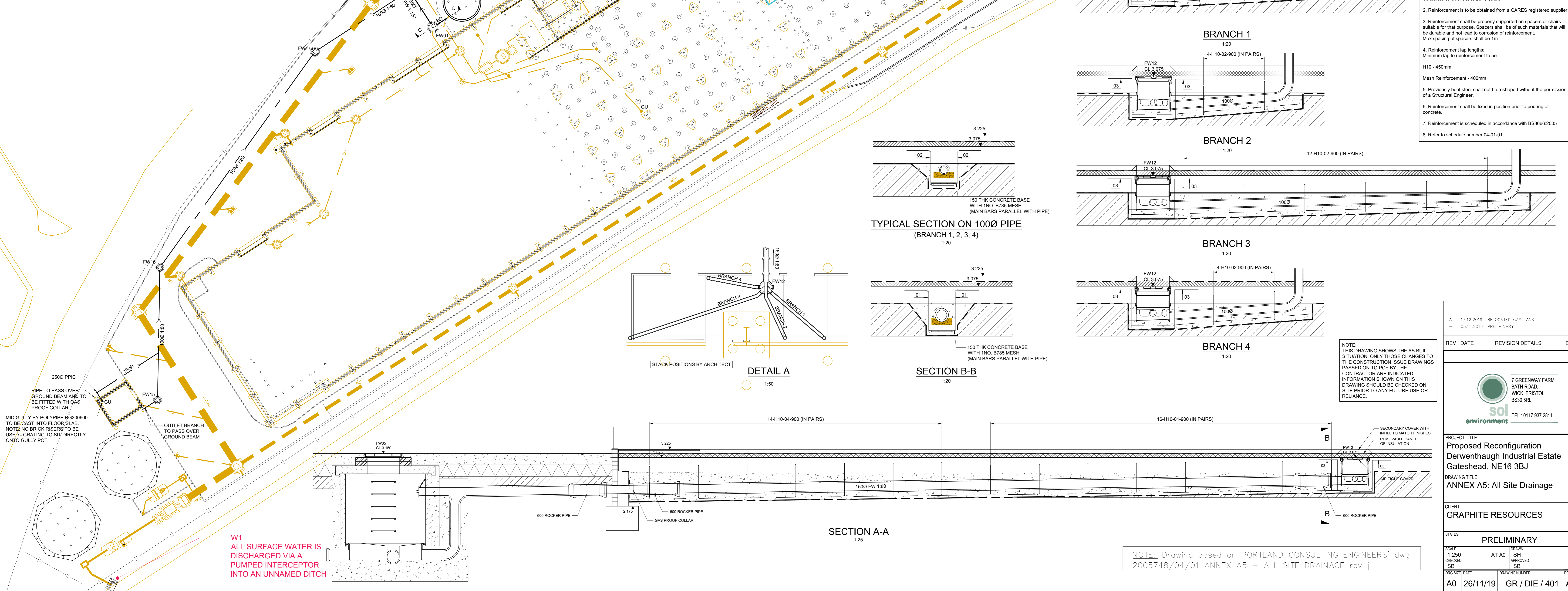
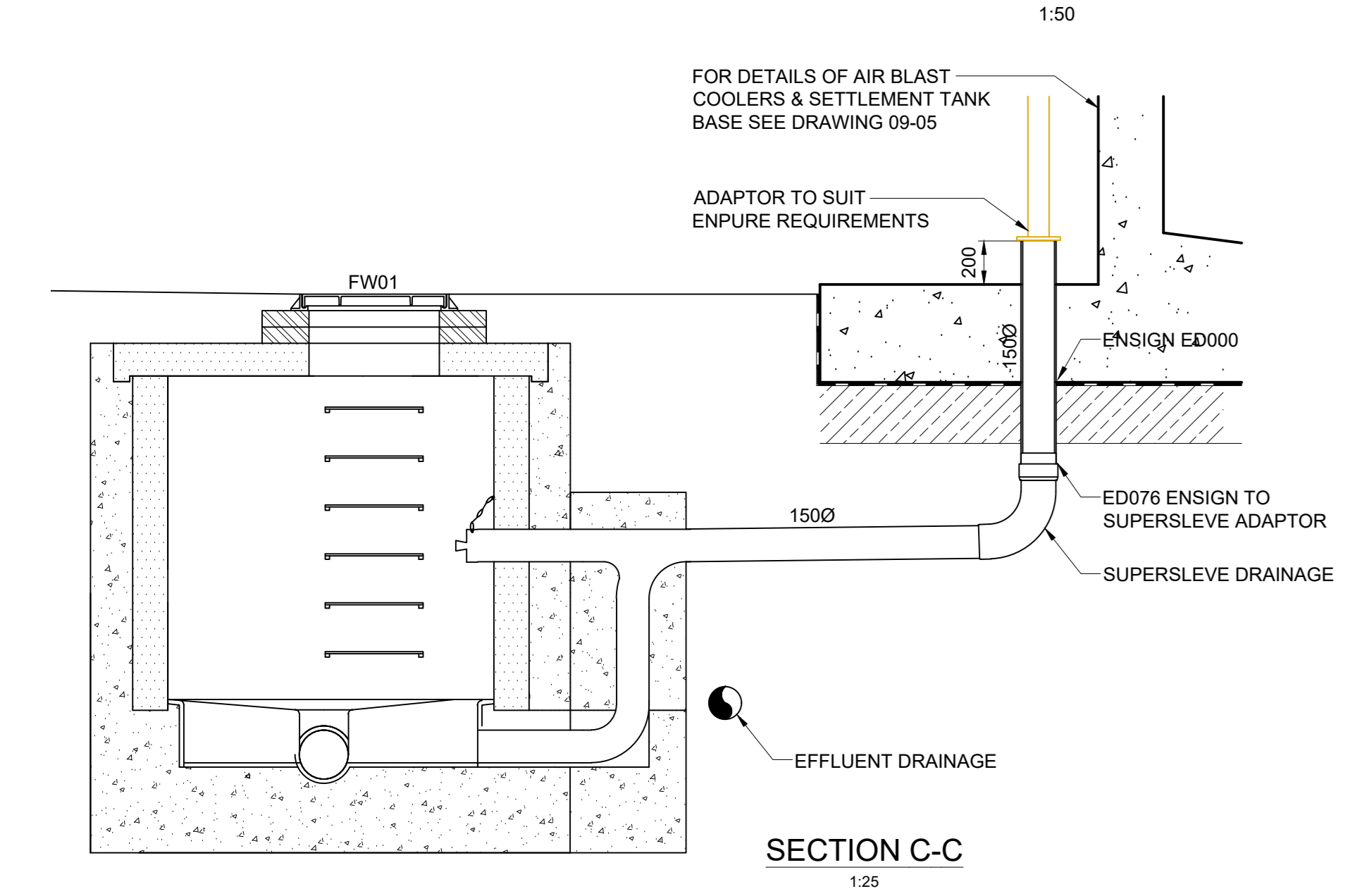
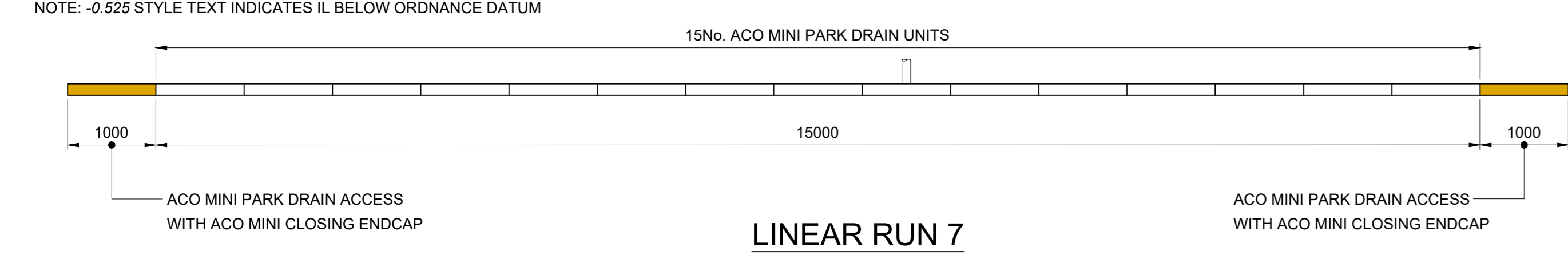


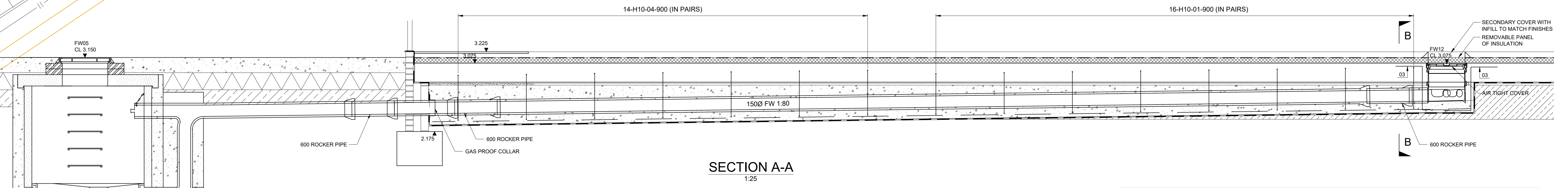
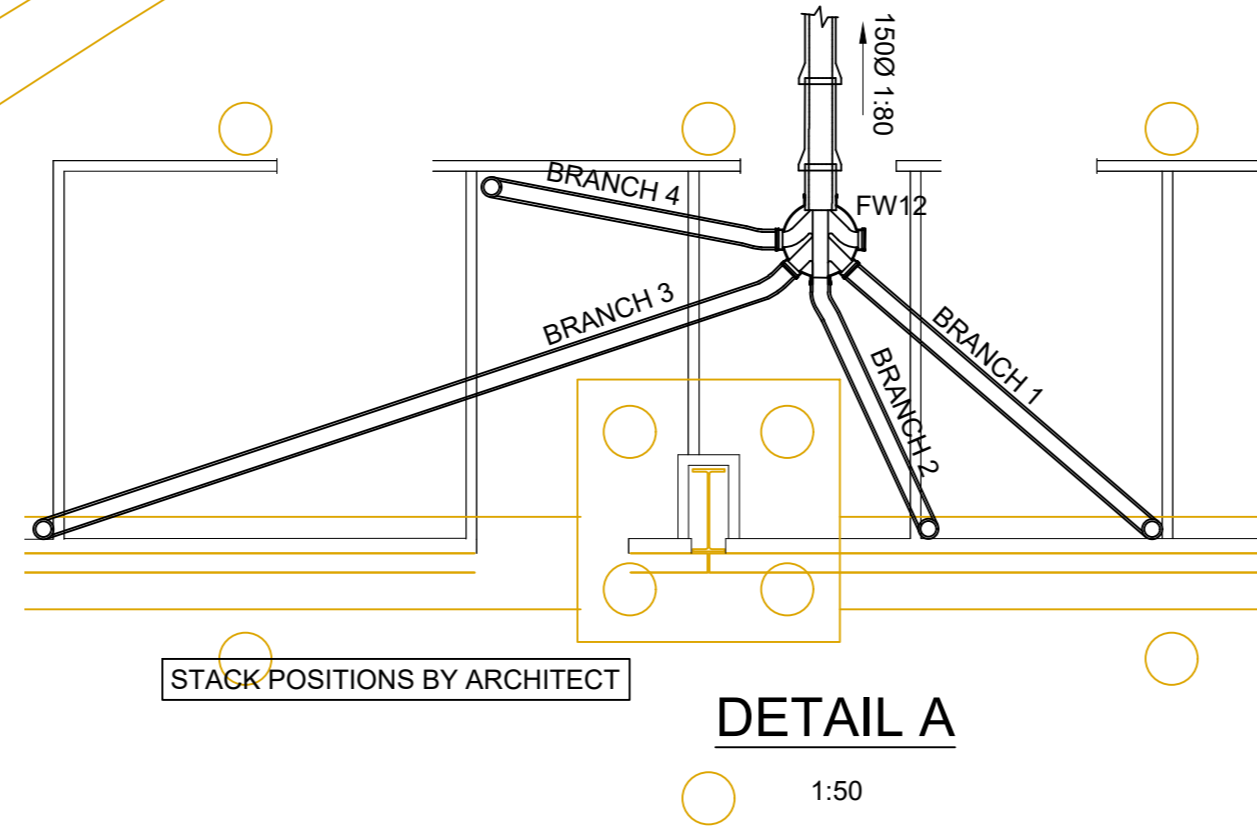
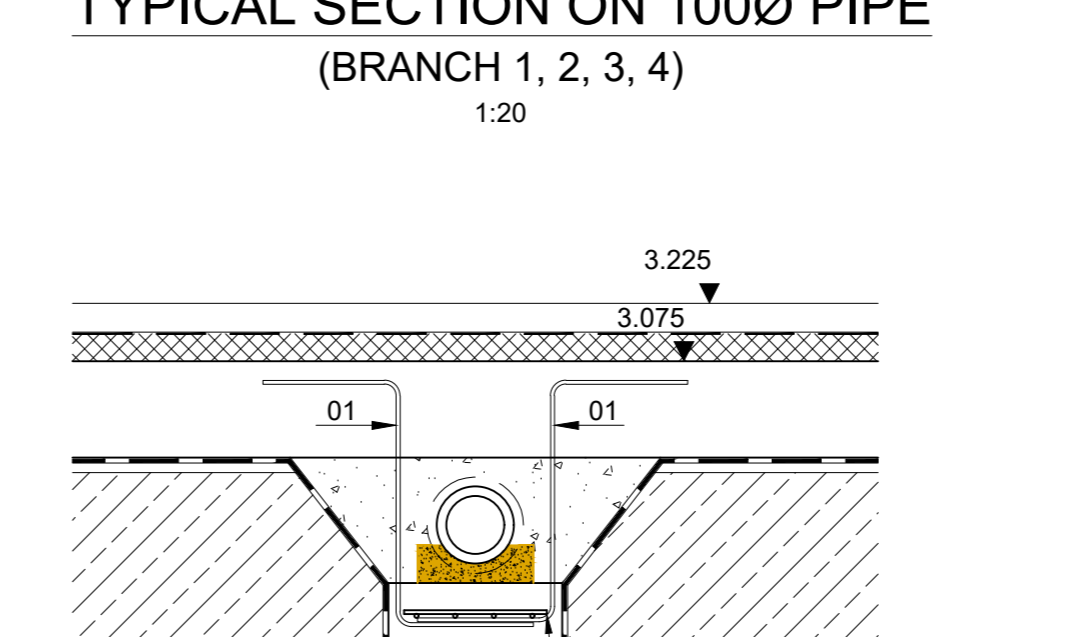
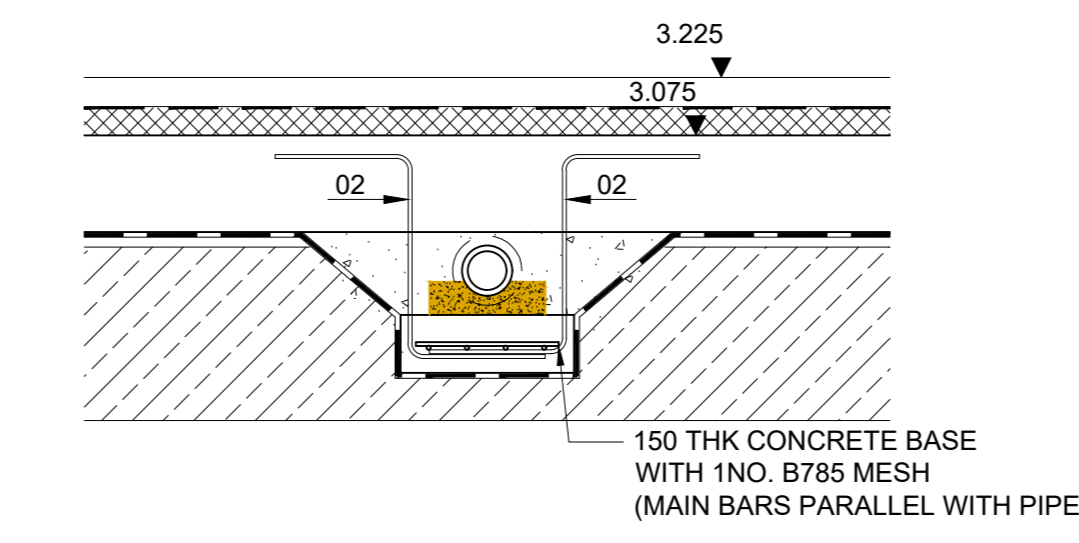
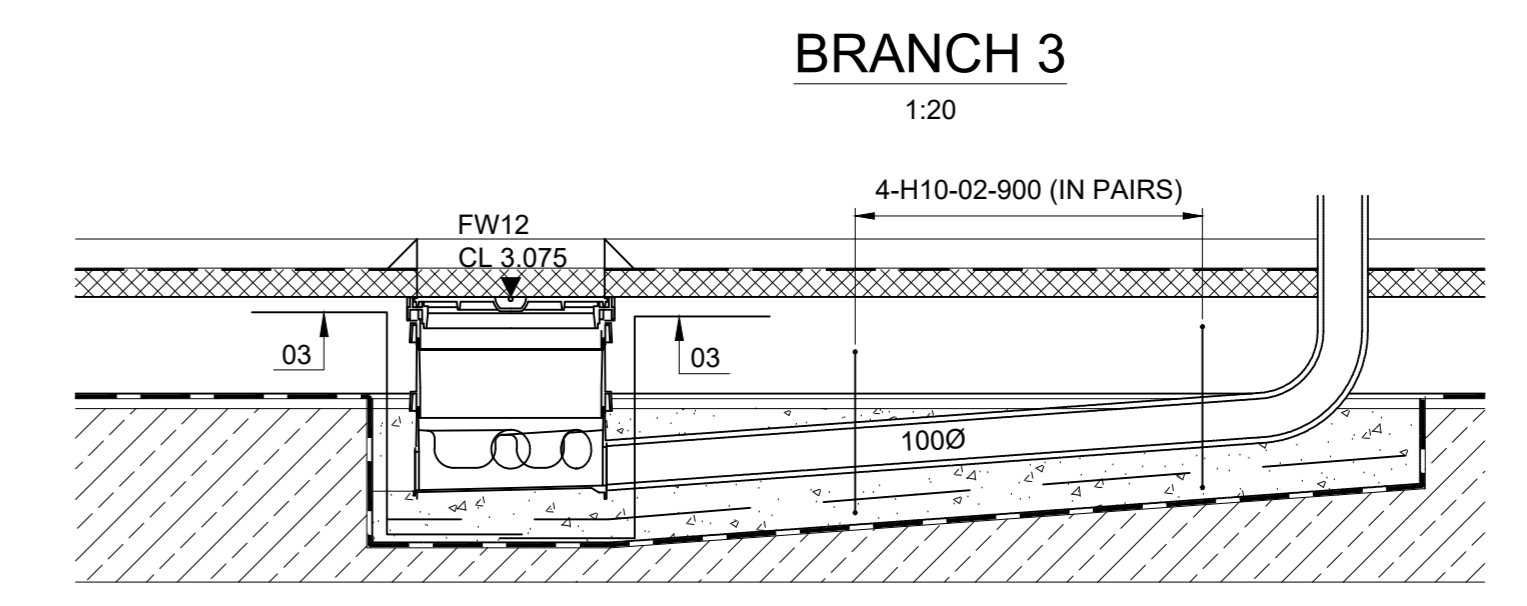
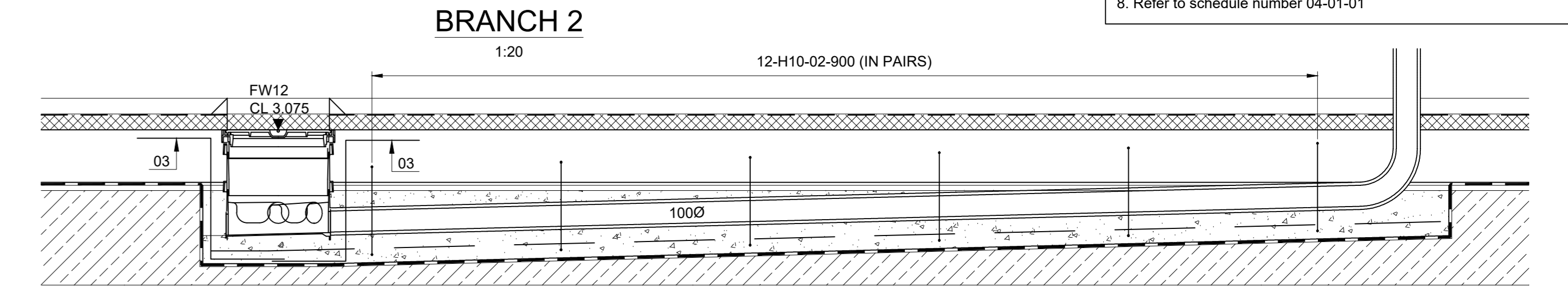
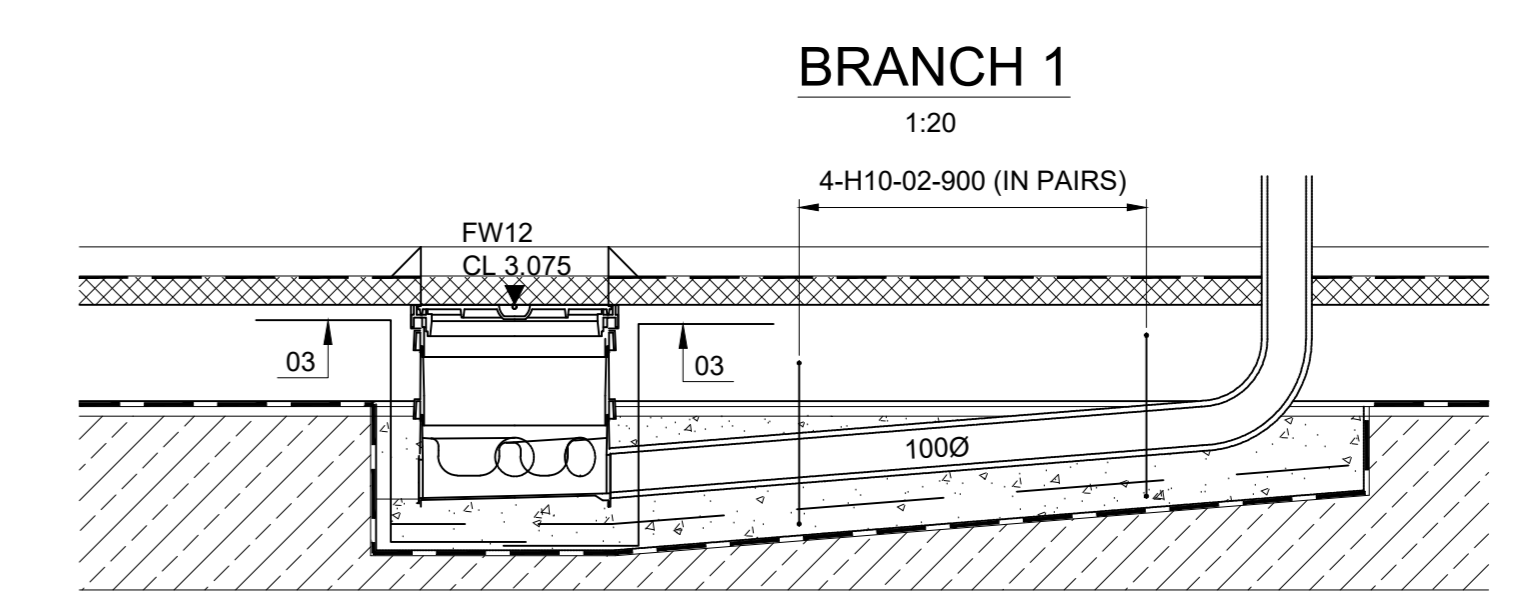
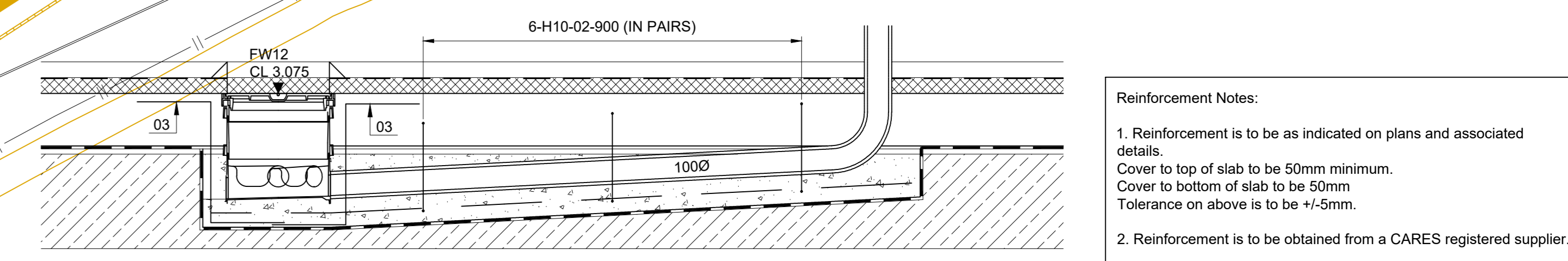
FW MANHOLE SCHEDULE							
REF	C.L.	I.L.	DEPTH (m)	RING DIA (mm)	COVER GRADE	REMARKS	EASTINGS
FW01	2.740	0.500	2.240	1500	D400	PRECAST CONCRETE CHAMBER	456278
FW02	2.740	0.450	2.290	1500	D400	PRECAST CONCRETE CHAMBER	463000
FW03	2.615	0.245	2.370	1500	D400	PRECAST CONCRETE CHAMBER	482365
FW04	2.865	0.145	2.720	1500	D400	PRECAST CONCRETE CHAMBER	489676
FW05	3.150	0.110	3.040	1500	D400	BRANCHES BACKDROPPING FROM 2.250 TO 0.110 (BD1) FROM 1.725 TO 0.110 (BD2)	489364
FW06	2.625	-0.045	2.670	1500	D400	PRECAST CONCRETE CHAMBER	501967
FW07	2.750	-0.465	3.215	1500	D400	PRECAST CONCRETE CHAMBER	524600
FW08	2.825	-0.525	3.350	1500	D400	PRECAST CONCRETE CHAMBER	517573
FW09	2.875	-0.820	3.695	1500	D400	PRECAST CONCRETE CHAMBER	
FW10	2.725	-0.945	3.670	1500	D400	PRECAST CONCRETE CHAMBER	544013
FW11	2.700	2.100	0.600	450	B125	POLYPROPYLENE INSPECTION CHAMBER	529550
FW12	3.075	2.475	0.600	450	B125	POLYPROPYLENE INSPECTION CHAMBER	472694
FW13	2.765	1.900	0.885	1050	D400	PRECAST CONCRETE CHAMBER	475331
FW14	2.900	2.300	0.600	450	B125	POLYPROPYLENE INSPECTION CHAMBER	466453
FW15	2.660	1.625	1.035	1050	D400	PRECAST CONCRETE CHAMBER	387400
FW16	2.765	1.310	1.455	1050	D400	PRECAST CONCRETE CHAMBER	411871
FW17	2.925	0.950	1.965	1200	D400	PRECAST CONCRETE CHAMBER	451751

REFER TO DRAWING No. 04-00 FOR DETAILS AND SPECIFICATION
 REFER TO DRAWING No. 04-02 FOR DETAILS OF SURFACE WATER SYSTEM
 REFER TO DRAWING No. 04-03 FOR DETAILS OF EFFLUENT SYSTEM
 REFER TO DRAWING No. 04-04 FOR DETAILS OF CAST IRON SYSTEM
 REFER TO DRAWING No. 04-05 FOR DETAILS OF SURFACE WATER PUMPING STATION
 REFER TO DRAWING No. 04-06 FOR DETAILS OF PROCESS WATER PUMPING STATION
 REFER TO DRAWING No. 04-07 FOR DETAILS OF REVISION TO EXISTING FOUL WATER CONNECTION ON TYNESIDE INTERCEPTOR.
 REFER TO DRAWING No. 04-08 FOR DETAILS OF SW OUTFALL



PROPOSED DRAINAGE CLIENT MARK UP - MASTERPLAN AUGUST 2019
 ALL DESIGNS SHOWN INDICATIVE ONLY AND TO BE CONFIRMED BY STRUCTURAL AND CIVIL ENGINEER.

- Reinforcement Notes:
- Reinforcement is to be as indicated on plans and associated details. Cover to top of slab to be 50mm minimum. Cover to bottom of slab to be 50mm. Tolerance on above is to be +/-5mm.
 - Reinforcement is to be obtained from a CARES registered supplier.
 - Reinforcement shall be properly supported on spacers or chairs suitable for that purpose. Spacers shall be of such materials that will be durable and not lead to corrosion of reinforcement. Max spacing of spacers shall be 1m.
 - Reinforcement lap lengths: Minimum lap to reinforcement to be: H10 - 450mm Mesh Reinforcement - 400mm
 - Previously bent steel shall not be reshaped without the permission of a Structural Engineer.
 - Reinforcement shall be fixed in position prior to pouring of concrete.
 - Reinforcement is scheduled in accordance with BS8666:2005
 - Refer to schedule number 04-01-01



NOTE: Drawing based on PORTLAND CONSULTING ENGINEERS' dwg 2005748/04/01 ANNEX A5 - ALL SITE DRAINAGE rev j

REV	DATE	REVISION DETAILS	BY
A	17.12.2019	RELOCATED GAS TANK	
B	03.12.2019	PRELIMINARY	

PROJECT TITLE
Proposed Reconfiguration Derwenthaugh Industrial Estate Gateshead, NE16 3BJ

DRAWING TITLE
ANNEX A5: All Site Drainage

CLIENT
GRAPHITE RESOURCES

STATUS
PRELIMINARY

SCALE
 1:250 SH
 1:250 AT AD
 1:250 SB

DATE
 26/11/19

CLIENT REF
 GR / DIE / 401

