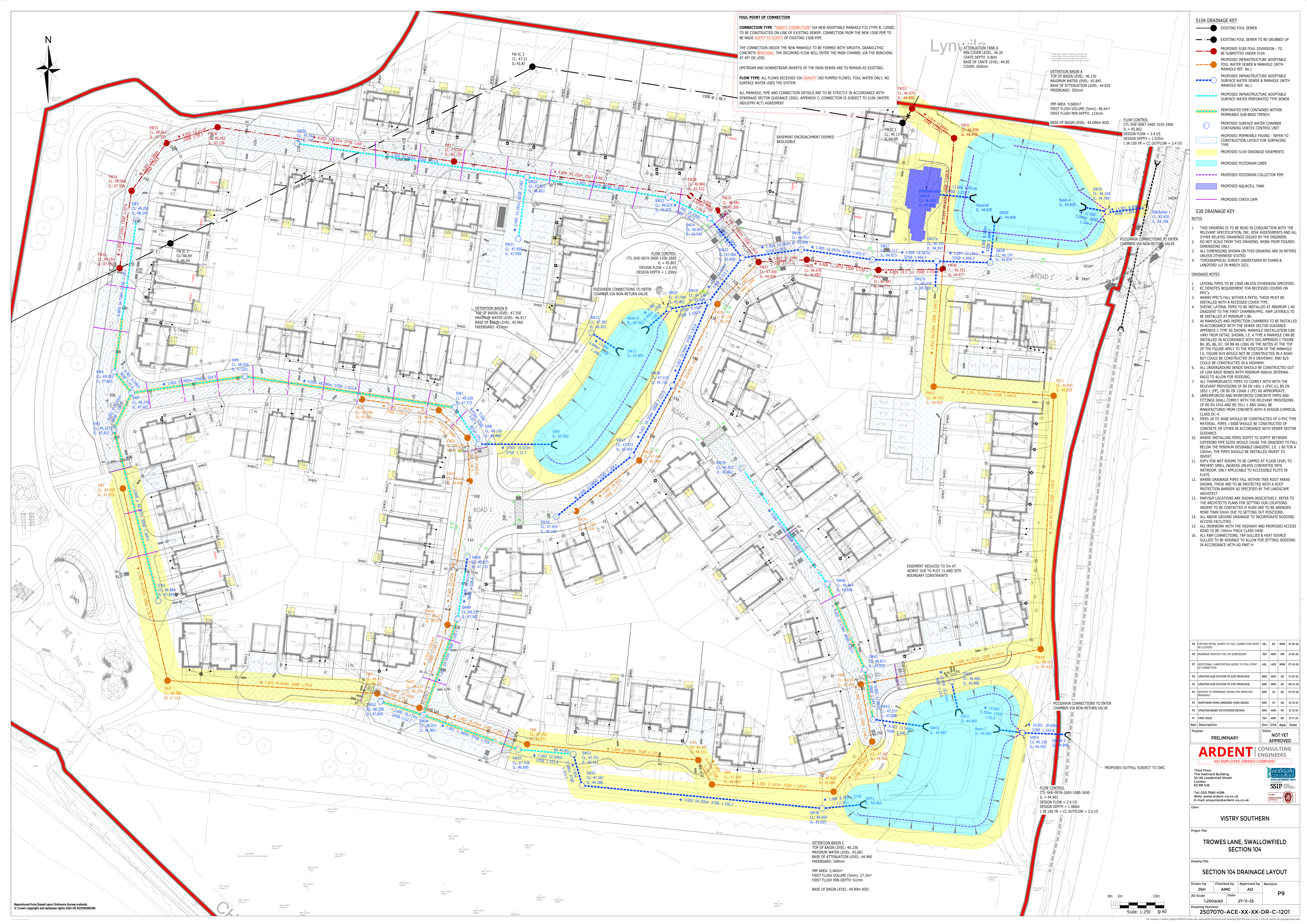




FOUL POINT OF CONNECTION

CONNECTION TYPE: "DIRECT CONNECTION" VIA NEW ADAPTABLE MANHOLE F32 (TYPE B, 12000) TO BE CONSTRUCTED ON LINE OF EXISTING SEWER. CONNECTION FROM THE NEW 1500 PIPE TO BE MADE **SOFFIT TO SOFFIT** OF EXISTING 1500 PIPE.

THE CONNECTION INSIDE THE NEW MANHOLE TO BE FORMED WITH SMOOTH, GRANULITHIC CONCRETE **BENCHING**. THE INCOMING FLOW WILL ENTER THE MAIN CHANNEL VIA THE BENCHING AT 45° OR LESS.

UPSTREAM AND DOWNSTREAM INVERTS OF THE MAIN SEWER ARE TO REMAIN AS EXISTING.

FLOW TYPE: ALL FLOWS RECEIVED VIA **GRAVITY** (NO PUMPED FLOWS). FOUL WATER ONLY, NO SURFACE WATER USES THE SYSTEM.

ALL MANHOLE, PIPE AND CONNECTION DETAILS ARE TO BE STRICTLY IN ACCORDANCE WITH SEWERSAGE SECTOR GUIDANCE (SSG), APPENDIX C. CONNECTION IS SUBJECT TO S106 (WATER INDUSTRY ACT) AGREEMENT

S104 DRAINAGE KEY

- EXISTING FOUL SEWER
- EXISTING FOUL SEWER TO BE GRUBBED UP
- PROPOSED S104 FOULED DIVERSION - TO BE SUBMITTED UNDER S104
- PROPOSED INFRASTRUCTURE ADAPTABLE FOUL WATER SEWER & MANHOLE (WITH MANHOLE REF. NO.)
- PROPOSED INFRASTRUCTURE ADAPTABLE SURFACE WATER SEWER & MANHOLE (WITH MANHOLE REF. NO.)
- PROPOSED INFRASTRUCTURE ADAPTABLE SURFACE WATER PERFORATED TYPE SEWER
- PERFORATED PIPE CONTAINED WITHIN PERMEABLE SUB-BASE TRENCH
- PROPOSED SURFACE WATER CHAMBER CONTAINING VORTEX CONTROL UNIT
- PROPOSED PERMEABLE PAVING - REFER TO CONSTRUCTION LAYOUT FOR SURFACING TYPE
- PROPOSED S104 DRAINAGE EASEMENTS
- PROPOSED POZIDRAIN LINER
- PROPOSED POZIDRAIN COLLECTOR PIPE
- PROPOSED AQUACELL TANK
- PROPOSED CHECK DAM

S38 DRAINAGE KEY

- NOTES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION, INC. RISK ASSESSMENTS AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
 - DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
 - ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METERS UNLESS OTHERWISE STATED.
 - TOPOGRAPHICAL SURVEY UNDERTAKEN BY EVANS & LANGFORD LLP IN MARCH 2021.
- DRAINAGE NOTES
- LATERAL PIPES TO BE 1000 UNLESS OTHERWISE SPECIFIED.
 - RC DENOTES REQUIREMENT FOR RECESSED COVERS ON PPIC'S
 - WHERE PPIC'S FALL WITHIN A PATIO, THESE MUST BE INSTALLED WITH A RECESSED COVER TYPE.
 - SV/VC LATERAL PIPES TO BE INSTALLED AT MINIMUM 1:40 GRADIENT TO THE FIRST CHAMBER/PPIC. RWP LATERALS TO BE INSTALLED AT MINIMUM 1:80.
 - ALL MANHOLES AND INSPECTION CHAMBERS TO BE INSTALLED IN ACCORDANCE WITH THE SEWER SECTOR GUIDANCE APPENDIX C TYPE AS SHOWN. MANHOLE INSTALLATION CAN VARY FROM DETAIL SHOWN, I.E. A TYPE A MANHOLE CAN BE INSTALLED IN ACCORDANCE WITH SSG APPENDIX C FIGURE B4, B5, B6, B7, OR B8 AS LONG AS THE NOTES AT THE TOP OF THE FIGURE APPLY TO THE POSITION OF THE MANHOLE. I.E. FIGURE B19 WOULD NOT BE CONSTRUCTED IN A ROAD BUT COULD BE CONSTRUCTED IN A DRIVEWAY, AND B20 COULD BE CONSTRUCTED IN A HIGHWAY.
 - ALL UNDERGROUND BENDS SHOULD BE CONSTRUCTED OUT OF LOW RADIUS BENDS WITH MINIMUM 400mm INTERNAL RADIUS TO ALLOW FOR ROOFING.
 - ALL THERMOPLASTIC PIPES TO COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 1401-1 (PVC-U), BS EN 1852-1 (PP), OR BS EN 12666-1 (PE) AS APPROPRIATE.
 - UNREINFORCED AND REINFORCED CONCRETE PIPES AND FITTINGS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 1916 AND BS 5911-1 AND SHALL BE MANUFACTURED FROM CONCRETE WITH A DESIGN CHEMICAL CLASS DCA-4.
 - PIPES UP TO 3000 SHOULD BE CONSTRUCTED OF U-PVC TYPE MATERIAL. PIPES >3000 SHOULD BE CONSTRUCTED OF CONCRETE OR OTHER IN ACCORDANCE WITH SEWER SECTOR GUIDANCE.
 - WHERE INSTALLING PIPES SOFFIT TO SOFFIT BETWEEN DIFFERING PIPE SIZES WOULD CAUSE THE GRADIENT TO FALL BELOW THE MINIMUM DESIRABLE GRADIENT, I.E. 1:80 FOR A 100mm, THE PIPES SHOULD BE INSTALLED INVERT TO INVERT.
 - SV/VC FOR WET ROOMS TO BE CAPED AT FLOOR LEVEL TO PREVENT SMELL INGRESS UNLESS CONVERTED INTO WETROOM. ONLY APPLICABLE TO ACCESSIBLE PLOTS IN FLATS.
 - WHERE DRAINAGE PIPES FALL WITHIN TREE ROOT AREAS SHOWN, THESE ARE TO BE PROTECTED WITH A ROOT PROTECTION BARRIER AS SPECIFIED BY THE LANDSCAPE ARCHITECT
 - RWP/SPV LOCATIONS ARE SHOWN INDICATIVELY, REFER TO THE ARCHITECT'S PLANS FOR SETTING OUR LOCATIONS. ARDENT TO BE CONTACTED IF RUNS ARE TO BE AMENDED MORE THAN 50mm DUE TO SETTING OUT POSITIONS.
 - ALL ABOVE GROUND DRAINAGE TO INCORPORATE ROOFING ACCESS FACILITIES
 - ALL IRONWORK WITH THE HIGHWAY AND PROPOSED ACCESS ROAD TO BE 150mm THICK CLASS D400
 - ALL RWP CONNECTIONS, TAP GULLIES & JET SOURCE GULLIES TO BE ROADABLE TO ALLOW FOR SETTING ROOFING IN ACCORDANCE WITH AD PART H

P9	FURTHER DETAIL ADDED TO FOUL CONNECTION POINT AS CLOUDED	HEL	AD	MNR	18-05-26
P8	DRAINAGE UPDATED FOR 104 SUBMISSION	2SH	AMC	DM	21-04-26
P7	ADDITIONAL CLARIFICATION ADDED TO FOUL POINT OF CONNECTION	HEL	ADS	MNR	20-05-26
P6	UPDATED SUB-STATION TO SITE FRONTAGE	AMC	AMC	AD	15-03-26
P5	UPDATED SUB-STATION TO SITE FRONTAGE	AMC	AMC	AD	08-01-26
P4	UPDATED TO PERMEABLE PAVING PER APPROVED DRAWINGS	AMC	3H	AD	07-01-26
P3	NORTHERN POND AMENDED TANK ADDED	AMC	3H	AD	21-10-25
P2	UPDATED BASED ON SITEWIDE REVIEW	AMC	AMC	AD	12-12-25
P1	FIRST ISSUE	2SH	AMC	AD	27-11-25
Rev	Description	Drm	Chk	App	Date

Purpose: PRELIMINARY Status: NOT YET APPROVED

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Client: VISTRY SOUTHERN

Project Title: TROWES LANE, SWALLOWFIELD SECTION 104

Drawing Title: SECTION 104 DRAINAGE LAYOUT

Drawn by	Checked by	Approved by	Revision
JSH	AMC	AD	P9

AD Scale: 1:250 @ A0

Drawing Number: 2507070-ACE-XX-XX-DR-C-1201