

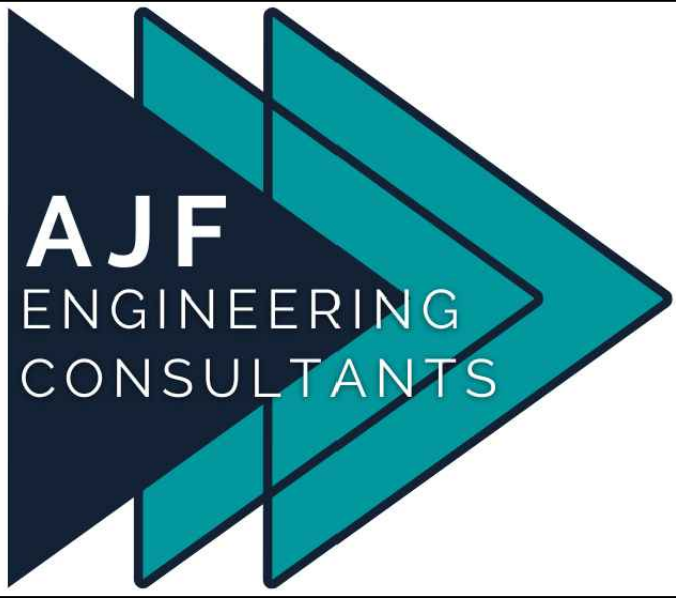
NOTES

- DO NOT SCALE FROM THIS DRAWING. USE ONLY WRITTEN DIMENSIONS.
- ALL PIPE DIAMETERS ARE IN MILLIMETRES AND ALL LEVELS ARE IN METRES UNLESS OTHERWISE STATED.
- LOCATIONS AND LEVELS OF CONNECTIONS TO EXISTING SEWERS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO COMMENCING WORKS. ANOMALIES ARE TO BE REPORTED TO THE ENGINEER IMMEDIATELY.
- COVER LEVELS FOR MANHOLES AND INSPECTION CHAMBERS ARE INDICATIVE ONLY - THEY SHALL BE LAID FLUSH WITH THE ADJACENT SURFACING.
- ALL WORKS TO COMPLY WITH "DESIGN & CONSTRUCTION GUIDE LATEST EDITION". ALL WORKMANSHIP TO BE IN ACCORDANCE WITH CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY (CESWI) UNLESS OTHERWISE STATED.
- PROPOSED PIPEWORK WITH LESS THAN THE FOLLOWING DEPTHS TO SOFFIT REQUIRES A CONCRETE SURROUND:
 - PROPOSED PIPEWORK WITH <1.2m DEPTH TO SOFFIT IN ROAD/SERVICE AREAS.
 - OR <0.9m DEPTH TO SOFFIT IN PEDESTRIAN AREAS & DOMESTIC DRIVEWAYS WITH 7.5T VEHICLE WEIGHT LIMIT.
 - OR <0.5m DEPTH TO SOFFIT IN PEDESTRIAN AREAS & DOMESTIC DRIVEWAYS WITH NO VEHICLE WEIGHT LIMIT.
 - OR <0.35m DEPTH TO SOFFIT IN LANDSCAPED AREAS REQUIRES CLASS 2 BEDDING.
- PIPEWORK BUILT THROUGH STRUCTURAL WALL SHALL HAVE 50mm CLEARANCE AND A SUITABLE LINTEL INSTALLED TO OPENING.FLEXIBLE JOINTS EITHER SIDE OF THE WALL SHOULD BE LOCATED NOT MORE THEN 150mm FROM THE FACE.
- TYPE E AND D PIPES ARE BY WAVIN OR SIMILAR APPROVED.
- ANY 100mm DIA PIPE WITHOUT A WC CONNECTION SHOULD NOT BE FLATTER THAN 1:40
- ALL RWPS ARE TO OUTFALL VIA PLASTIDRAIN INLET HOPPER GULLY - BN 110 PIE OR SIMILAR APPROVED.
- A 30mm REDUCTION IN LEVEL HAS BEEN ALLOWED FOR IN THE CALCULATION OF INVERT LEVELS FOR ALL BRANCH CONNECTIONS TO PLASTIC INSPECTION CHAMBERS (AS PER WAVIN DETAILS). INVERT LEVELS REFER TO MAIN CHANNEL. IF ALTERNATIVE CHAMBERS ARE PROPOSED THIS VALUE MAY VARY AND THE DESIGNER SHOULD BE CONSULTED.
- ALL AREAS TO BE SCANNED FOR EXISTING BURIED SERVICES OR OTHER OBSTRUCTIONS PRIOR TO EXCAVATION WORKS.
- PROPOSED FOUL DRAINAGE TO BE CONSTRUCTED IN ACCORDANCE WITH BUILDING REGULATIONS 2010 DRAINAGE & WASTE DISPOSAL - PART H 2015 EDITION.
- ALL MANHOLE COVER LEVELS AND EXTERNAL FINISHED FLOOR LEVELS ARE TO BE CONFIRMED BY THE ARCHITECT. COVER LEVELS FOR MANHOLES AND INSPECTION CHAMBERS ARE INDICATIVE ONLY - THEY SHALL BE LAID FLUSH WITH THE ADJACENT SURFACING.
- CONTRACTOR TO CONFIRM INVERT LEVELS OF PROPOSED CONNECTION ON EXISTING UNITED UTILITIES SEWERS.
- ALL SOIL STACK CONNECTIONS TO BELOW GROUND DRAINAGE TO BE 100mm Ø LAID AT MINIMUM 1:80 GRADIENT (MIN. 1WC), UNLESS OTHERWISE STATED ON DRAWING.
- ANY REQUIRED FOUNDATION PENETRATION DETAILS TO BE PROVIDED BY STRUCTURAL ENGINEER.
- CONNECTIONS UPSTREAM TO SVPS/SS TO BE DESIGNED BY OTHERS.
- THE DEVELOPER MUST SELF-VET AND CERTIFY THAT THE DESIGN CRITERIA, MATERIAL STANDARDS AND WORKMANSHIP SPECIFICATIONS FOR THE PROPOSED ADOPTABLE LATERAL DRAIN ARE IN ACCORDANCE WITH THOSE SET OUT IN 'SEWERS FOR ADOPTION' 7TH EDITION, AND THE REQUIREMENTS OF UU AS THE STATUTORY SEWERAGE UNDERTAKER.
- FOUL PIPEWORK TO BE VITRIFIED CLAY OR PLASTIC. VITRIFIED CLAY PIPES SHOULD COMPLY WITH REQUIREMENTS BS EN 295 FOR FOUL PIPES.
- PLASTIC PIPEWORK IS TO BE INSTALLED (POLYPIPE OR SIMILAR APPROVED) IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATION. ALL THERMOPLASTIC PIPEWORK SHALL COMPLY WITH THE REQUIREMENTS OF E2.21 & E2.22 (PAGE 89) OF SEWERS FOR ADOPTION 7TH EDITION.
- ANY PIPE RUNS WITH LESS THAN 0.9m COVER LOCATED WITHIN NON-TRAFFICKED AREAS ARE TO BE 150mm GEN CONCRETE BED AND SURROUND.
- ANY GREASE DRAINS THAT ARE DIRECTED TO GREASE TRAPS MUST USE CAST IRON PIPING SYSTEMS THAT ALLOW MECHANICAL CLEANING WHEN BLOCKAGES OCCUR.
- ALL SVP LOCATIONS AND DISCHARGE UNITS ARE PROVIDED BY M&E ENGINEER OR ARCHITECT. SITE BOUNDARY
- ALL SVPS ARE TO HAVE LOW LEVEL ACCESS PLATES.
- FOUL DRAINAGE REST BENDS TO BE MINIMUM 450mm DEEP.
- DRAINAGE CONNECTIONS TO BE MADE SOFFIT TO SOFFIT FOR SURFACE WATER.
- A SECTION 106 APPLICATION TO CONNECT TO THE FOUL & SURFACE WATER DRAINAGE SYSTEMS MUST BE MADE TO UNITED UTILITIES. THE DEVELOPER SHALL GIVE 21 DAYS' NOTICE PRIOR TO CONNECTION. THE WORKS MAY ONLY BE UNDERTAKEN BY AN SSIP HEALTH AND SAFETY APPROVED CONTRACTOR.

R1	21/07/25	FOR INFORMATION		MG	CLS
REV	DATE	DESCRIPTION	DRN	CHD	APPD

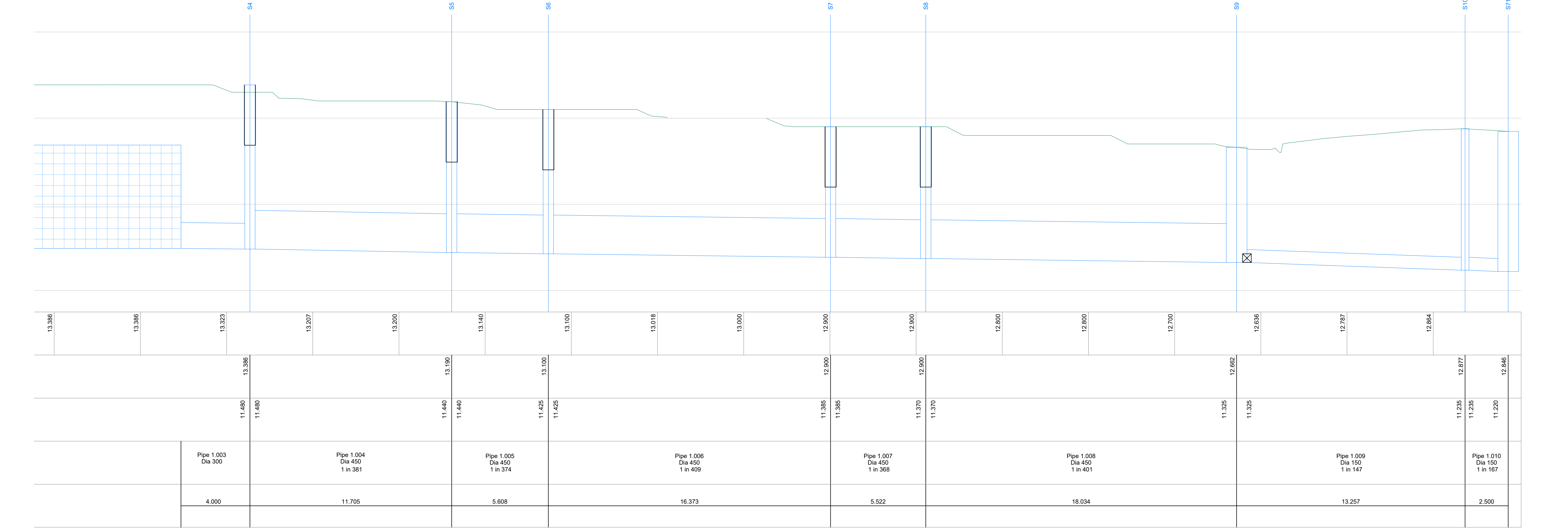
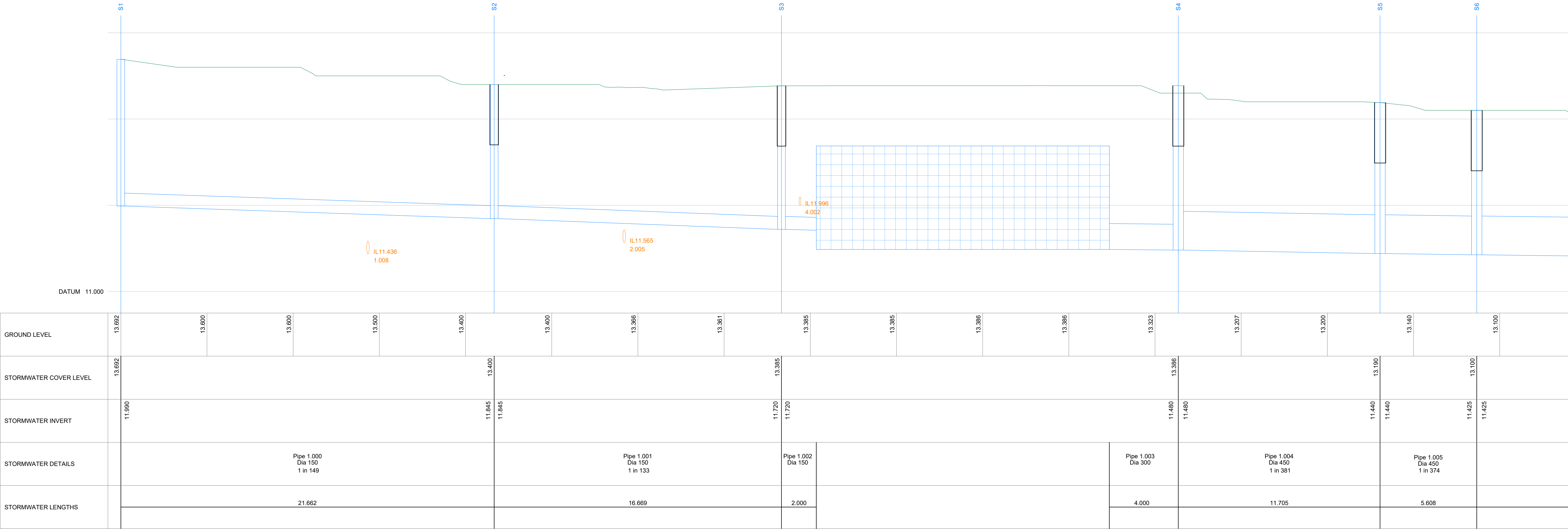
DRG. STATUS

FOR INFORMATION



CLIENT DOWLS CONSTRUCTION LTD	
PROJECT NETHERLEY ROAD, TARBOCK GREEN, PRESCOT, L35 1QE	
DRG. TITLE PROPOSED SURFACE WATER DRAINAGE ARRANGEMENT LONG SECTION	
DRG. NO. 25085-AJF-ZZ-ZZ-DR-D-106	REV R1

DRAIN RUN S1
SCALE H1:125 V1:25



DRAIN RUN S1 (CONT)
SCALE H1:125 V1:25