

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following:

CONSTRUCTION
REFER DRA DOCUMENT NO.40018_001_DOC_C01_001.

MAINTENANCE/CLEANING
REFER DRA DOCUMENT NO. 40018_001_DOC_C01_001.

DECOMMISSIONING/DEMOLITION
REFER DRA DOCUMENT NO. 40018_001_DOC_C01_001.

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

Steel / Ductile Iron Pipes PN16 to seal at 16barg						
Gasket Specification	DN100	DN300	DN600	DN700	DN800	DN900
Rubber encased steel core (Type G-S-S)						
Torque setting (Nm)	49	160	480	467	534	600
C.O.F.	0.120					
Torque sequence	As per Drg: 40018-001-DWG-CST-G02-001 Bolt Specification Grade 4.6					

FARRANS A CBM COMPANY | **ATKINS** Member of the SNC-Lavalin Group | **Atkins Limited** Chadwick House, Birchwood Park, Warrington, WA3 6AE Direct: 01925 238319

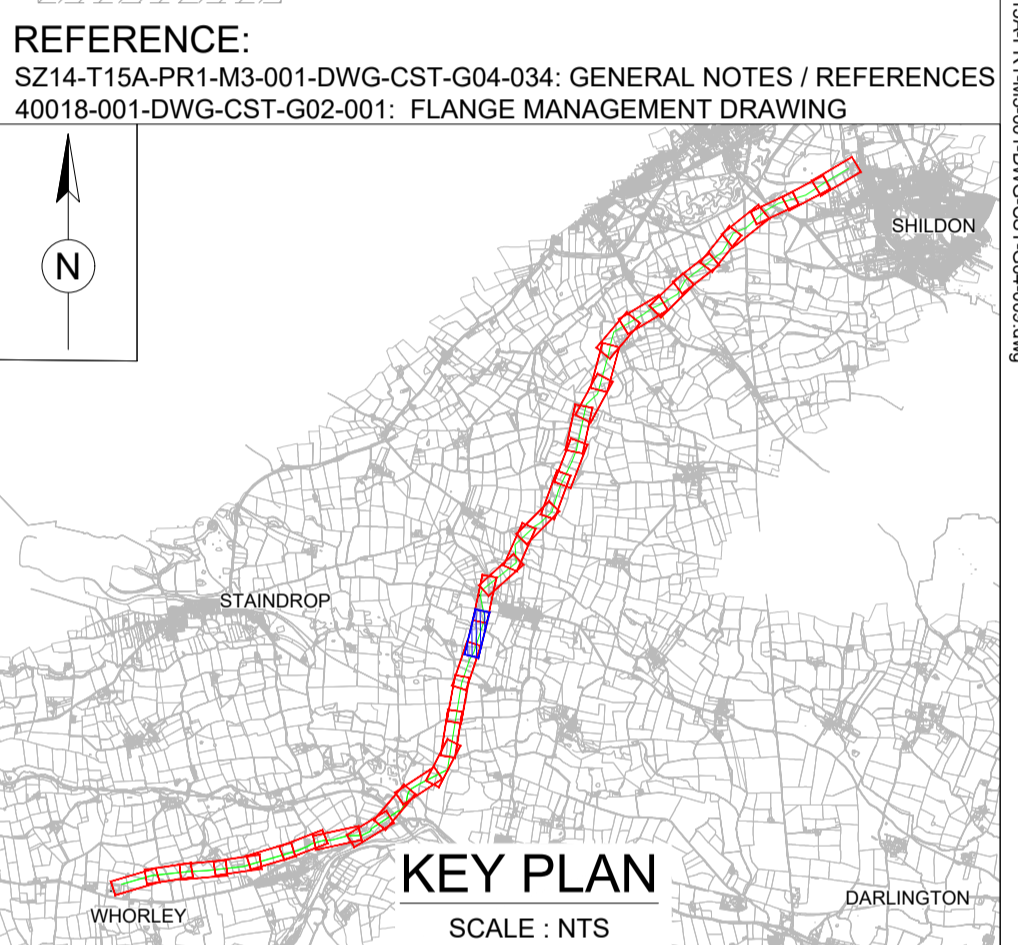
LEGEND:

- PLANNING BOUNDARY
- WORKING BOUNDARY
- WATERCOURSE
- PROPOSED PIPE ROUTE
- PUBLIC RIGHT OF WAYS
- TREE
- L.V.
- A.V.
- W.O.
- SETTING OUT POINT
- ELECTRIC POLE
- HAZARD IDENTIFIER
- CLAY STANK

EXISTING SERVICES:

- W WATER MAIN
- SSE SEWER MAIN
- HV ELECTRIC-HV
- LV ELECTRIC-LV
- E ELECTRIC LINE
- BTR BT UNDERGROUND
- BT BT OVERHEAD
- VM BT-VIRGIN MEDIA
- LPG GAS-LOW PRESSURE
- MPG GAS-MEDIUM PRESSURE
- SWS STORM WATER MAIN
- SL STREET LIGHT CABLE
- GAS WORKING SAFETY ZONE
- POWER LINE SAFETY ZONE

REFERENCE:
SZ14-T15A-PR1-M3-001-DWG-CST-G04-034: GENERAL NOTES / REFERENCES
40018-001-DWG-CST-G02-001: FLANGE MANAGEMENT DRAWING

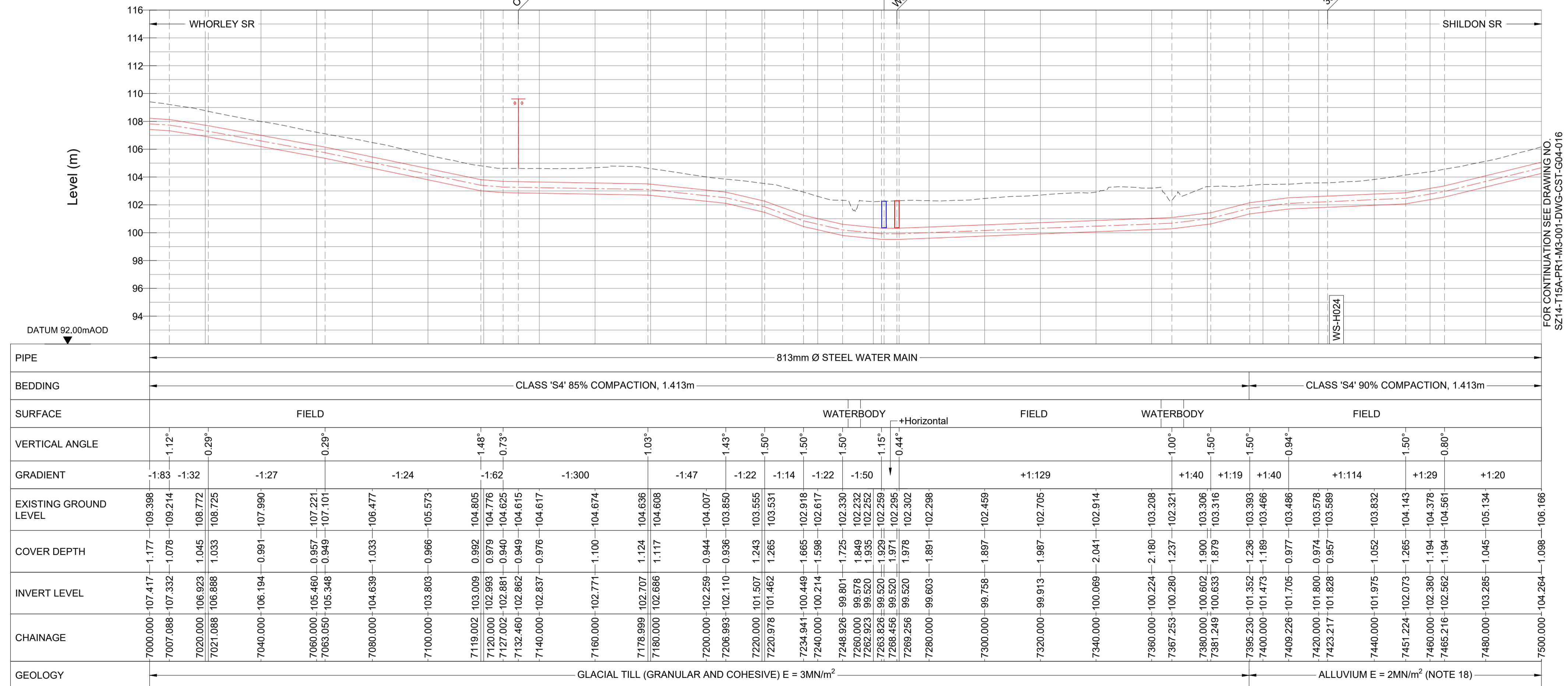


WHORLEY TO SHILDON SETTING OUT POINTS		
CHAINAGE (m)	EASTING	NORTHING
7000	416691.224	520038.950
7040	416703.789	520076.925
7080	416716.355	520114.900
7120	416728.921	520152.875
7160	416741.487	520190.850
7200	416754.053	520228.825
7240	416766.618	520266.800
7280	416779.184	520304.775
7320	416791.750	520342.750
7360	416804.316	520380.725
7400	416816.882	520418.700
7440	416829.448	520456.675
7480	416842.014	520494.650

HORIZONTAL BEND		
SOP NO.	EASTING	NORTHING
WS-H024	416824.175	520440.741

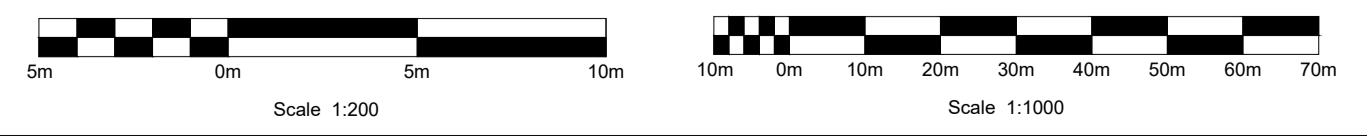
LINEVALVE		
SOP NO.	EASTING	NORTHING
WS-WO-011	416774.103	520289.420

LINEVALVE		
SOP NO.	EASTING	NORTHING
WS-LV-02	416775.558	520293.815



PIPE	813mm Ø STEEL WATER MAIN															
BEDDING	CLASS 'S4' 85% COMPACTION, 1.413m								CLASS 'S4' 90% COMPACTION, 1.413m							
SURFACE	FIELD								WATERBODY							
VERTICAL ANGLE																
GRADIENT	-1.83	-1.32		-1.27		-1.24										
EXISTING GROUND LEVEL	109.398	109.214	108.772	108.725	107.990	107.221	107.101	106.477	105.573	104.674	104.636	104.608	104.007	103.850	103.555	103.531
COVER DEPTH	1.177	1.078	1.045	1.033	0.991	0.957	0.949	1.033	0.986	1.100	1.124	1.117	0.944	0.936	1.243	1.265
INVERT LEVEL	107.417	107.332	106.923	106.888	106.194	105.460	105.348	104.639	103.803	102.771	102.707	102.686	102.259	102.110	101.507	101.462
CHAINAGE	7000.000	7007.089	7020.000	7021.088	7040.000	7060.000	7063.950	7080.000	7100.000	7119.002	7120.000	7127.002	7132.460	7140.000	7160.000	7178.999
GEOLOGY	GLACIAL TILL (GRANULAR AND COHESIVE) E = 3MN/m ²															
									ALLUVIUM E = 2MN/m ² (NOTE 18)							

LONGITUDINAL SECTION
HORIZONTAL SCALE 1:1000 VERTICAL SCALE 1:200



Drawing Status:
FOR REVIEW BY LEAD APPOINTED PARTY

Suitability:
S4

P06	FOR REVIEW	17.11.2023	AJ	RH	SK
P05	FOR REVIEW	10.10.2023	AJ	RH	SK
P04	FOR REVIEW	18.09.2023	AJ	RH	SK
P03	FOR REVIEW	26.07.2023	AJ	RH	SK
P02	FOR REVIEW	30.06.2023	AJ	RH	SK

Note:-
IF THIS DRAWING IS FOUND TO BE IN ANY WAY INACCURATE, PLEASE ADVISE THE RECORD OFFICE IMMEDIATELY AND COMPLETE AN AMENDMENT FORM.



CONTRACTOR: FARRANS
REF. NO.: WN019/0205-4.11
I.D. PROJECT NO.: WN019/0205

Drawing Title:
TEES STRATEGIC TRANSFER MAIN
WHORLEY SR TO SHILDON SR
PLAN AND LONGITUDINAL SECTION

Dwg No:
SZ14-T15A-PR1-M3-001-DWG-CST-G04-015

Sheet: 15 OF 33	Date: 17.11.2023	Sheet: A1	Scale: AS SHOWN	Rev No: P06
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