

Steel / Ductile Iron Pipes PN16 to seal at 16barg						
Gasket Specification	DN100	DN300	DN600	DN700	DN800	DN900
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
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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:

- WATER MAIN
- SEWER MAIN
- ELECTRIC-HV
- ELECTRIC-HV OVERHEAD
- ELECTRIC-LV
- ELECTRIC-LV OVERHEAD
- ELECTRIC LINE
- BT UNDERGROUND
- BT OVERHEAD
- BT-VIRGIN MEDIA
- GAS-LOW PRESSURE
- GAS-MEDIUM PRESSURE
- STORM WATER MAIN
- STREET LIGHT CABLE
- GAS WORKING SAFETY ZONE
- POWER LINE SAFETY ZONE

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

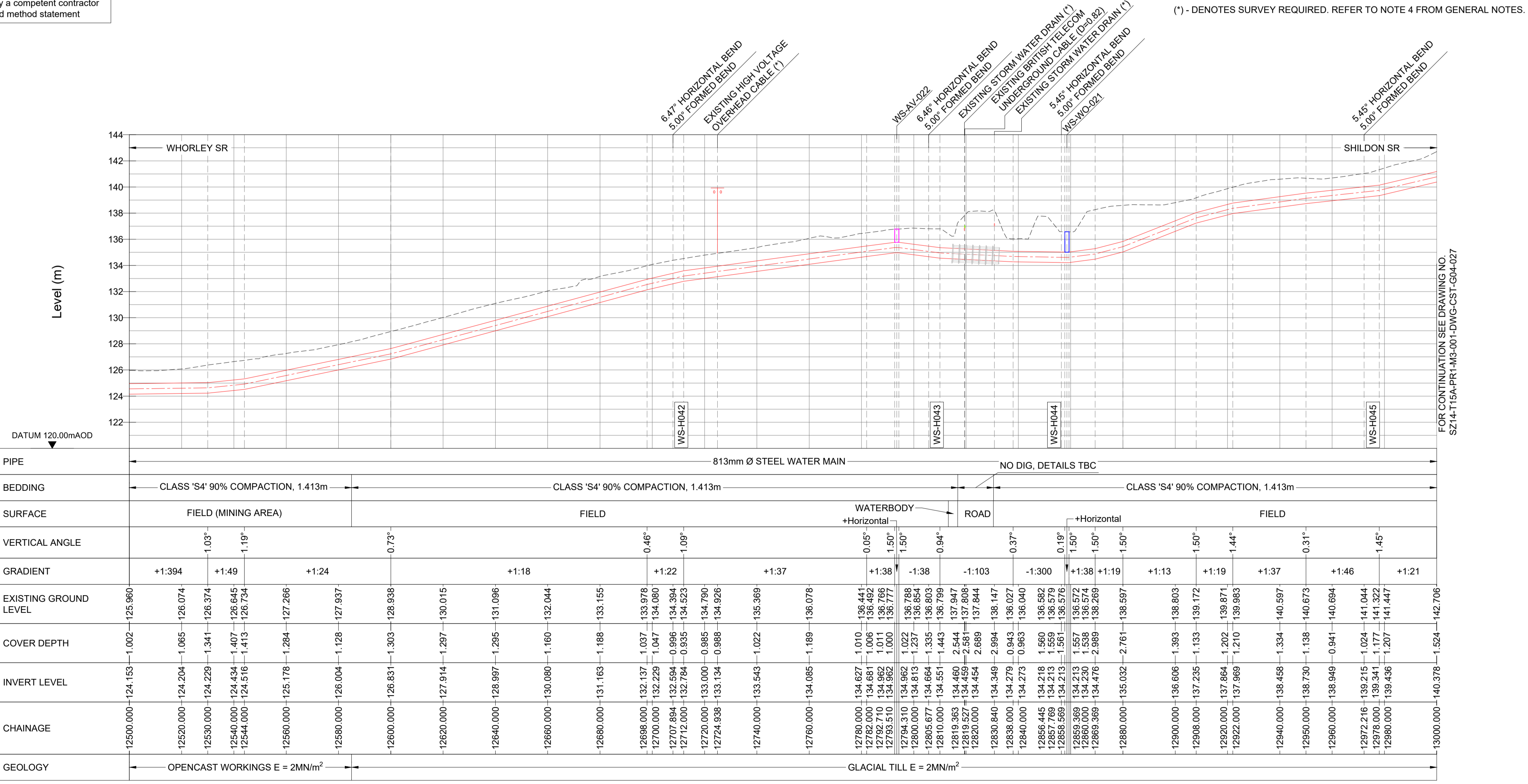
REFERENCE:
SZ14-T15A-PR1-M3-001-DWG-CST-G04-034: GENERAL NOTES / REFERENCES
40018-001-DWG-CST-G02-001: FLANGE MANAGEMENT DRAWING

KEY PLAN
SCALE: NTS

PLAN
SCALE 1:1000

WHORLEY TO SHILDON SETTING OUT POINTS

CHAINAGE (m)	EASTING	NORTHING
12520	418943.570	524714.157
12560	418977.971	524734.567
12600	419012.372	524754.978
12640	419046.772	524775.388
12680	419081.173	524795.798
12720	419114.812	524817.343
12760	419146.694	524841.499
12800	419178.576	524865.655
12840	419212.617	524886.602
12880	419248.065	524905.039
12920	419284.247	524922.094
12960	419320.428	524939.150
13000	419355.370	524958.540



HORIZONTAL BEND

SOP NO.	EASTING	NORTHING
WS-H042	419105.163	524810.032
WS-H043	419183.102	524869.083
WS-H044	419226.758	524894.995
WS-H045	419331.478	524944.358

AIRVALVE

SOP NO.	EASTING	NORTHING
WS-AV-022	419173.403	524861.735

WASHOUT

SOP NO.	EASTING	NORTHING
WS-WO-021	419228.679	524895.901

PIPE	813mm Ø STEEL WATER MAIN																		NO DIG. DETAILS TBC											
BEDDING	CLASS 'S4' 90% COMPACTION, 1.413m																		CLASS 'S4' 90% COMPACTION, 1.413m											
SURFACE	FIELD (MINING AREA)						FIELD						WATERBODY		ROAD															
VERTICAL ANGLE	+Horizontal																		+Horizontal											
GRADIENT	+1.394	+1.49	+1.24				+1.18													+1.38	-1.38	-1.103	-1.300	+1.38	+1.19	+1.13	+1.19	+1.37	+1.46	+1.21
EXISTING GROUND LEVEL	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960	125.960
COVER DEPTH	1.002	1.065	1.341	1.407	1.413	1.266	1.297	1.295	1.160	1.188	1.037	0.996	0.985	0.988	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022	1.022
INVERT LEVEL	124.153	124.204	124.229	124.434	124.516	124.694	124.663	124.663	124.840	124.772	124.963	124.963	124.963	124.963	124.963	124.963	124.963	124.963	124.963	124.963	124.963	124.963	124.963	124.963	124.963	124.963	124.963	124.963	124.963	124.963
CHAINAGE	12500.000	12520.000	12530.000	12540.000	12544.000	12560.000	12600.000	12620.000	12660.000	12680.000	12696.000	12700.000	12707.864	12712.000	12720.000	12724.938	12740.000	12760.000	12780.000	12782.000	12792.710	12793.510	12794.310	12800.000	12805.677	12810.000	12819.363	12859.569	12869.369	12880.000
GEOLOGY	OPENCAST WORKINGS E = 2MN/m ²						GLACIAL TILL E = 2MN/m ²																							

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

Drawing Status:
FOR REVIEW BY LEAD APPOINTED PARTY

Suitability:
S4

Rev.	Description	Date	Drawn	Chk'd	App'd
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-G04-026

Sheet: 26 OF 33	Date: 17.11.2023	Sheet: A1	Scale: AS SHOWN	Rev No: P06
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