

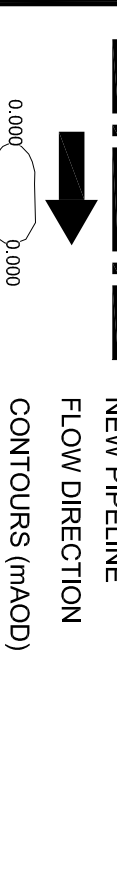
- ## NOTES

1. DO NOT SCALE FROM THE DRAWING.
2. OTHERS HAVE STATED:
3. ALL LEVELS ARE IN METERS ABOVE ORIENTATION DATUM (SEA LEVEL).
4. THE CONTRACTOR SHALL CHECK ALL SETTING OUT DIMENSIONS AND LEVELS PRIOR TO COMMENCEMENT OF WORK ON SITE.
5. DRAINAGE AND WATER OF 1:250 MUST BE MAINTAINED TO FACILITATE
6. THE LOCATION OF THE EXISTING PIPEWORK AND OTHER SERVICES ARE TAKEN FROM SITE AND THIRD PARTY RECORDS AND ARE APPROXIMATE ONLY. A THE CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL EXISTING SERVICES PRIOR TO CARRYING OUT EXCAVATION AND TAKE
7. CONTRACTOR SHALL CHECK AND INFORM THE ENGINEER SHOULD EXISTING SERVICES OR OTHER DATA IMPACT ON THE PROPOSED LINE AND LEVEL OF THE PIPELINE.
8. NO FIRE OPTIC CABLES TO BE Laid IN SAME TRENCH AS PIPELINE
9. REFERENCE TO STANDARD DETAILS SHALL BE MADE FOR LINE VALVE DIFFERENCE TO STANDARD DETAILS SHALL BE MADE FOR LINE VALVE WITHOUT AND AIR VALVE INSTALLATIONS.
10. REFERENCE TO STANDARD DETAILS SHALL BE MADE FOR THURST BLOCK
11. JOINT AND ANCHORAGE LENGTH REQUIREMENTS ARE PROTECTED IN ACCORDANCE WITH UU CSWMT/TH CL 5.14.
12. ALL PIPEWORK AND BACKFILL OPERATION TO BE CARRIED OUT IN ACCORDANCE WITH CSWMT/TH EDITION WITH UU AMENDMENTS AND SOLUTION SCOPE BOND REQUIREMENTS.
13. THE DRAWING AND SHALL BE PROVIDED AT EVERY FIELD BOUNDARY AND CHANGE OF OWNERSHIP.
14. THE CONTRACTOR SHALL PROTECT ALL NEW AND EXISTING PIPEWORK FROM CONSTRUCTION PLANT LOADING AND FLOATATION.
15. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY WORKS AND REPAIRS.
16. DESIGN DETAILS SHALL ASSUME A 1M WIDE TRENCH WITH A DEPTH OF COVER OF BETWEEN 0.9M AND 3.5M AND THE MINIMUM COVERAGE SHALL BE 1.5M.
17. ALL CHANGES IN DIRECTION FOR THE PIPELINES TO BE CROWNED BY COMPLETION OF THE UNITS CONSULTED IF ANY CHANGE IS REQUIRED FROM THIS PARAMETERS.
18. THE NUMBER OF UNITS BEHIND RADIUS OF BUTT-WELDED Joints TO BE 25% OF THE NUMBER OF 1.5M LONGER THAN 10°C. THE CONTRACTOR MUST RE-ASSIGN BEND RADII BASED ON TEMPERATURE AT TIME OF CONSTRUCTION.

REFERENCES

MISC802006201000D LIST	CONTRACT DRAWING LIST
P2328020062013580001 TO 06	AVULVINO AND HYDRANT DETAILS
P2328020062013580007 TO 09	THRUST BLOCKS
P2328020062013580010	PIPE EMBEDMENT DETAILS

LEGEND



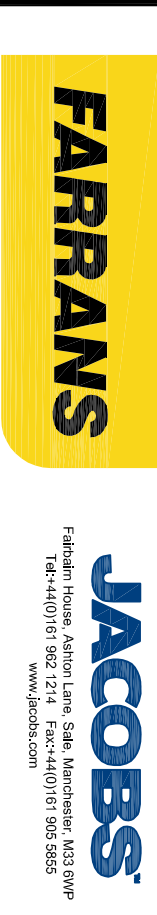
- | ATV / MO | |
|----------|-------------------------------------|
| E | ARE VALVE / LINE VALVE / WASH OUT |
| EOH | Power line unidentified underground |
| | Power line unidentified overhead |
| G | Gas |
| PM | Portable water |
| FW | Foul sewer |
| CSBW | Combined sewer |
| SW | Surface water sewer |
| TO | Telecom overhead |
| TU | Telecom underground |
| CTV | Cable |
| EA | Existing pipeline already abandoned |
| ? | Unidentified |

TO BE REPRODUCED IN COLOUR ONLY

OS GRID REFERENCE

375726, 431671

CURRENT ISSUE INFORMATION				
A	RP	MUS	SPM	FOR UU CODING
	VERSION	DRWN	CHND	
				DATE



UNITED UTILITIES PLC
HA TO RAMSGRAVE SR SECURITY OF SUPPLY

PLAN AND LONGITUDINAL SECTION

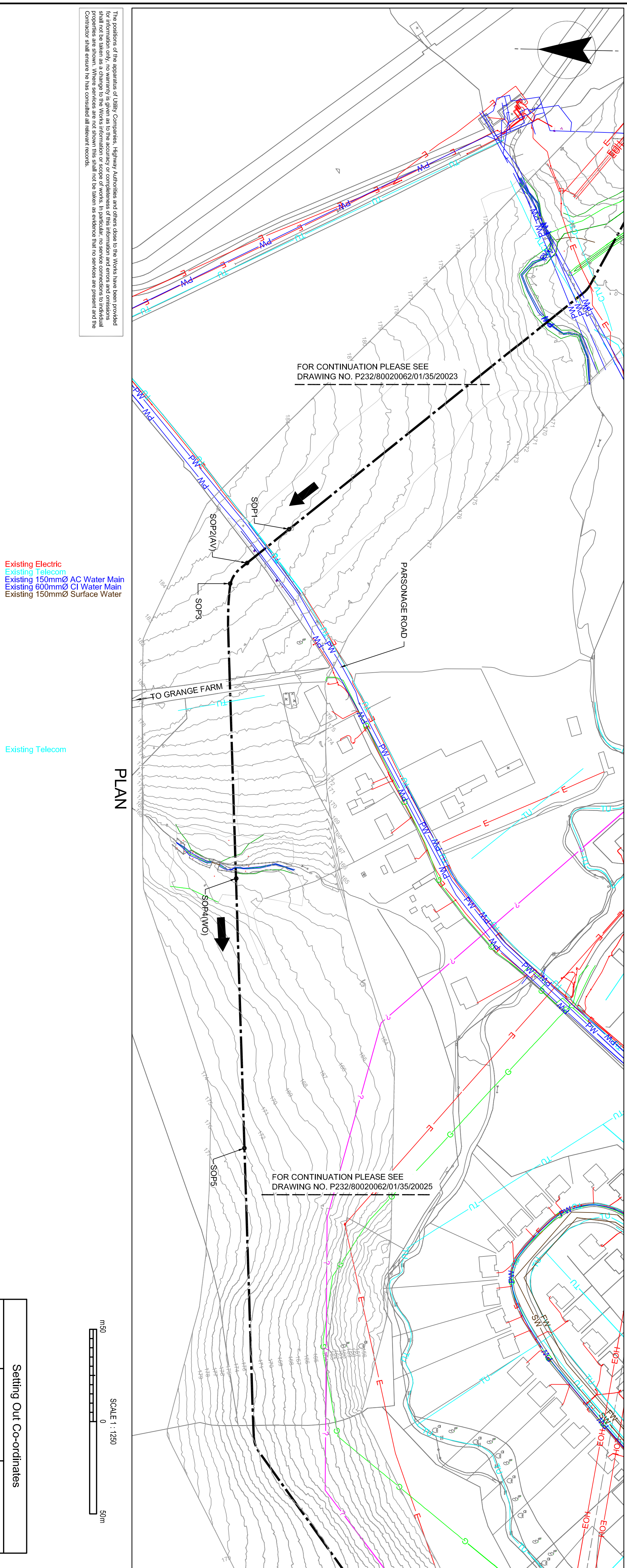
SHEET 24 OF 30

BREAK PRESSURE TANK TO

SR

SCALE	SHEET SIZE
As Shown	A1
DRAWING NUMBER	REVISION
P232/80020062/01/35/20024	A

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Setting Out Co-ordinates		
• SOPS	Easting (m)	Northing (m)
SOP1	366589	431885
SOP2(AV)	366570	431908
SOP3	366559	431916
SOP4(WO)	366990	431910
SOP5	366253	431902

SAFETY HEALTH AND ENVIRONMENTAL INFORMATION	IN ADDITION TO THE HAZARDOUSNESS NORMALLY ASSOCIATED WITH THE FOLLOWING SIGNIFICANT RESIDUAL RISKS, NOTE THE FOLLOWING SIGNIFICANT RESIDUAL RISKS:
CONSTRUCTION	• SERVICE CROSSINGS AND WATER COURSE CROSSING • STEEP GRADIENTS/CLOSE TO SLOPES • ASBESTOS CONTAINING PIPE IN PARADEWAY ROAD • CROSSING BUSY HIGHWAYS ADJACENT TO SERVICE FRANK
MAINTENANCE/LEAKING OPERATION	
• AS CONSTRUCTION	
• DREDGE/SLURRYING/DECONTAMINATION	
• AS CONSTRUCTION	

