

LEGEND

DESCRIPTION	COLOUR	TRACED SERVICES	INFERRED SERVICES	The Information on this drawing is a general guide only and the accuracy thereof cannot be guaranteed. No liability is accepted for any discrepancy, omission or deviation from the actual subsurface location or depth to underground utilities.		
Foul Sewer/Water	GREEN			Surface/Storm Water Manhole	CYAN	
Surface/Storm Water	CYAN			Power Manhole	RED	
Combined Sewer	BROWN			Telecom Manhole	MAGENTA	
Power	RED			Watermain Manhole	BLUE	
Telecoms	MAGENTA			Water Hydrant, Meter, Sluice Valve, Air Valve, Stop Cock	BLUE	
Cable TV	PURPLE			Gas Line Manhole	YELLOW	
Alternative Telecoms	PINK			Foul Sewer/Water Gully	GREEN	
Watermain	BLUE			Surface/Storm Water Gully	CYAN	
Gas	YELLOW					
Unknown Service	ORANGE					
Trench Scar	LIGHT GREEN					
Utility Providers Records						
ESB Records	RED					
Bord Gais Records	YELLOW					
Telecom Records	MAGENTA					
Water Records	BLUE					
Foul Sewer/Water Manhole	GREEN					

NOTES:

- Utility survey carried out with RF & GPR equipment.
- RF = RD8000 Transmitter & Receiver.
- GPR = Ground Penetrating Radar - Mala 100 Mhz, 250 Mhz & 500 Mhz.
- Unknown voltage on electric cables.
- 300mm denotes the diameter of the pipe.
- 0.5 denotes depth in metres below ground level to top of pipe.
- Survey carried out in November 2016
- R denotes sections of services taken from record.
- UTT denotes unable to Trace, UTO denotes unable to Open
- Where Invert Levels are shown adjacent to MH's, IC's etc. are to the invert of the lowest pipe/duct within the manhole. There may be further pipes/ducts within the MH which are located closer to ground level as per the depths marked on individual pipes/ducts. Care should be taken as higher level ducts may contain live electrical cables.



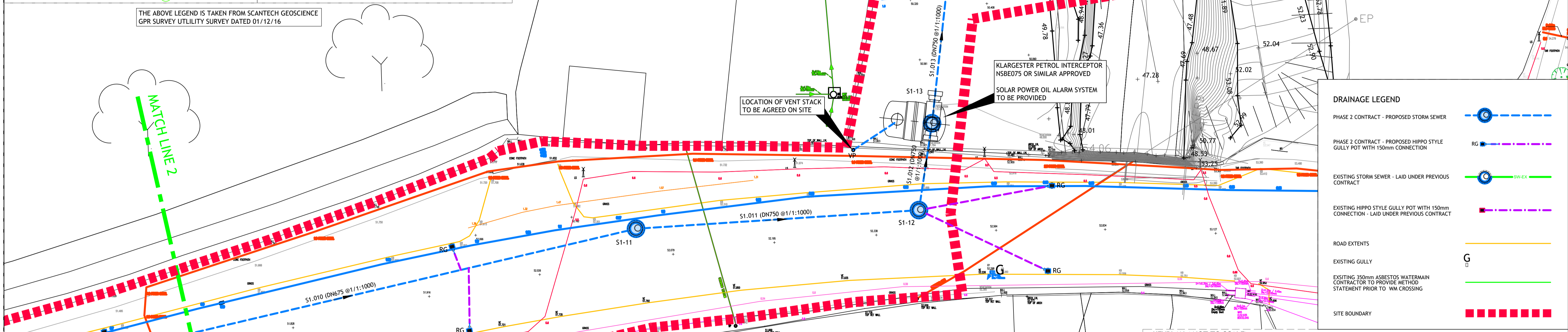
THE CONTRACTOR IS ADVISED TO REFER TO THE RELEVANT GPR AND EXISTING INFORMATION DRAWINGS PROVIDED AS PART OF THE TENDER DOCUMENTS.

EXISTING SERVICE INFORMATION (IF SHOWN) IS FROM RECORDS AND GPR IS NOT EXHAUSTIVE. OTHER SERVICES MAY BE ENCOUNTERED ON SITE.

EXISTING SERVICES AS INDICATED ARE BASED OFF SERVICE PROVIDER DRAWINGS/ SCANTECH GEOSCIENCE TOPOGRAPHIC AND GPR SURVEY/ AS-BUILT SURVEY INFORMATION FROM JB BARRY&WALSHE CIVIL ENGINEERING. PLEASE REFER TO THE ADDITIONAL INFORMATION PACK INCLUDED WITH THE TENDER PACK.

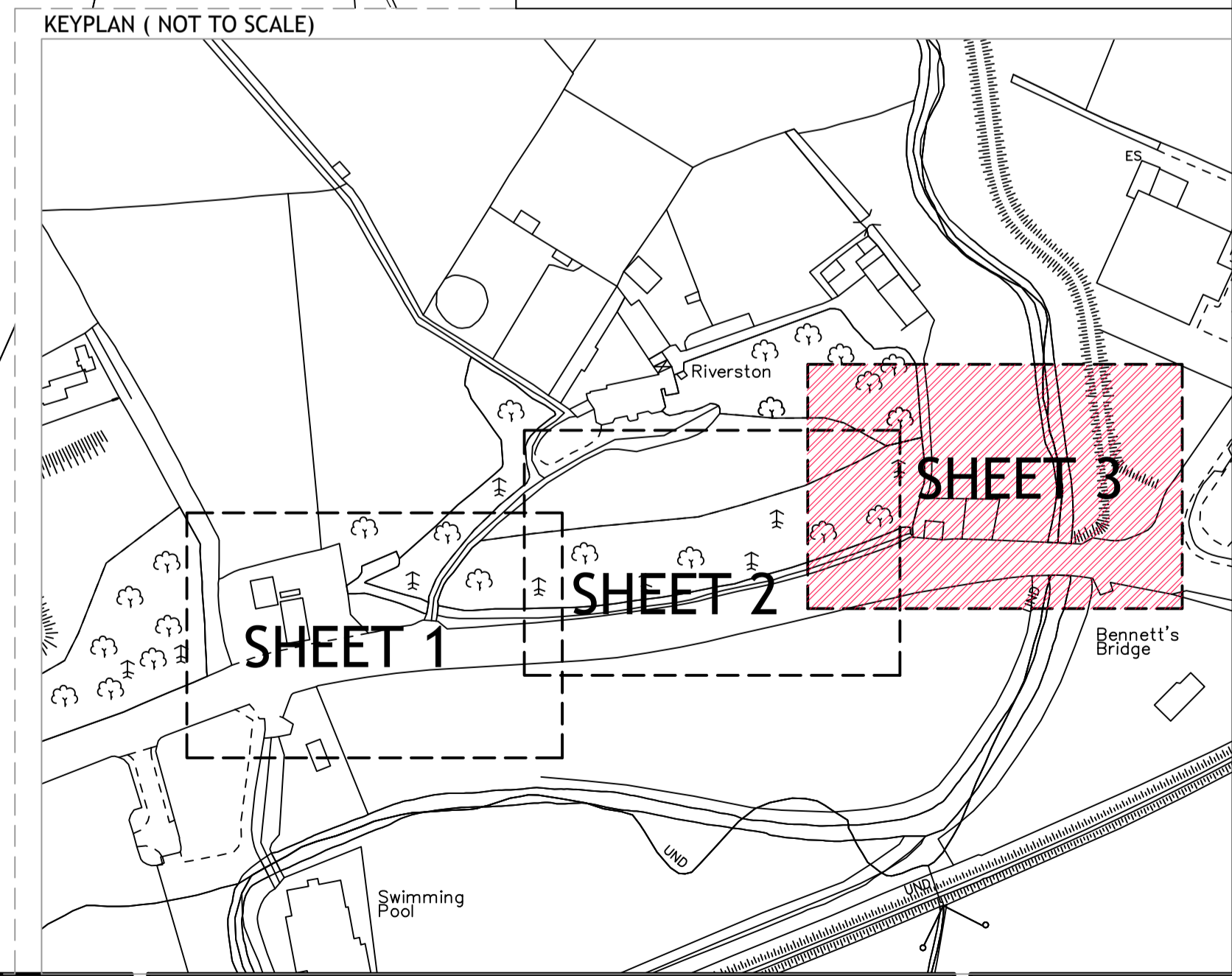
THE CONTRACTOR IS TO REFER TO DRAWING 161-266-033 FOR PIPE BACKFILL AND TRENCH REINSTATEMENT ABOVE THE PIPE BEDDING SURROUND

THE ABOVE LEGEND IS TAKEN FROM SCANTECH GEOSCIENCE GPR SURVEY UTILITY SURVEY DATED 01/12/16



DRAINAGE LEGEND

PHASE 2 CONTRACT - PROPOSED STORM SEWER	
PHASE 2 CONTRACT - PROPOSED HIPPO STYLE GULLY POT WITH 150mm CONNECTION	
EXISTING STORM SEWER - LAID UNDER PREVIOUS CONTRACT	
EXISTING HIPPO STYLE GULLY POT WITH 150mm CONNECTION - LAID UNDER PREVIOUS CONTRACT	
ROAD EXTENTS	
EXISTING GULLY	
EXISTING 350mm ASBESTOS WATERMAIN CONTRACTOR TO PROVIDE METHOD STATEMENT PRIOR TO WM CROSSING	
SITE BOUNDARY	



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Date Drawn: 2019-05-10
Drawn By: P.J. Mulcahy
Date Issued: 2019-07-24
Issued By: THanley



Rev	Amendment	By	Date
PL0	ISSUED FOR PLANNING	TH	2019-07-24

Client:
Comhairle Contae Thiobraid Árann
Tipperary County Council

Job: NENAGH STORM WATER DRAINAGE ASSESSMENT
Title: DRAINAGE LAYOUT SHEET-3 WITH GPR OVERLAY
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Stage: PLANNING
Scale @ A1: 1:200
Technician Check: P.J. Mulcahy
Engineer Check: F.TIMLIN
Approved: D. Gallery
Drawing No: 161-266-027
Rev: PL0