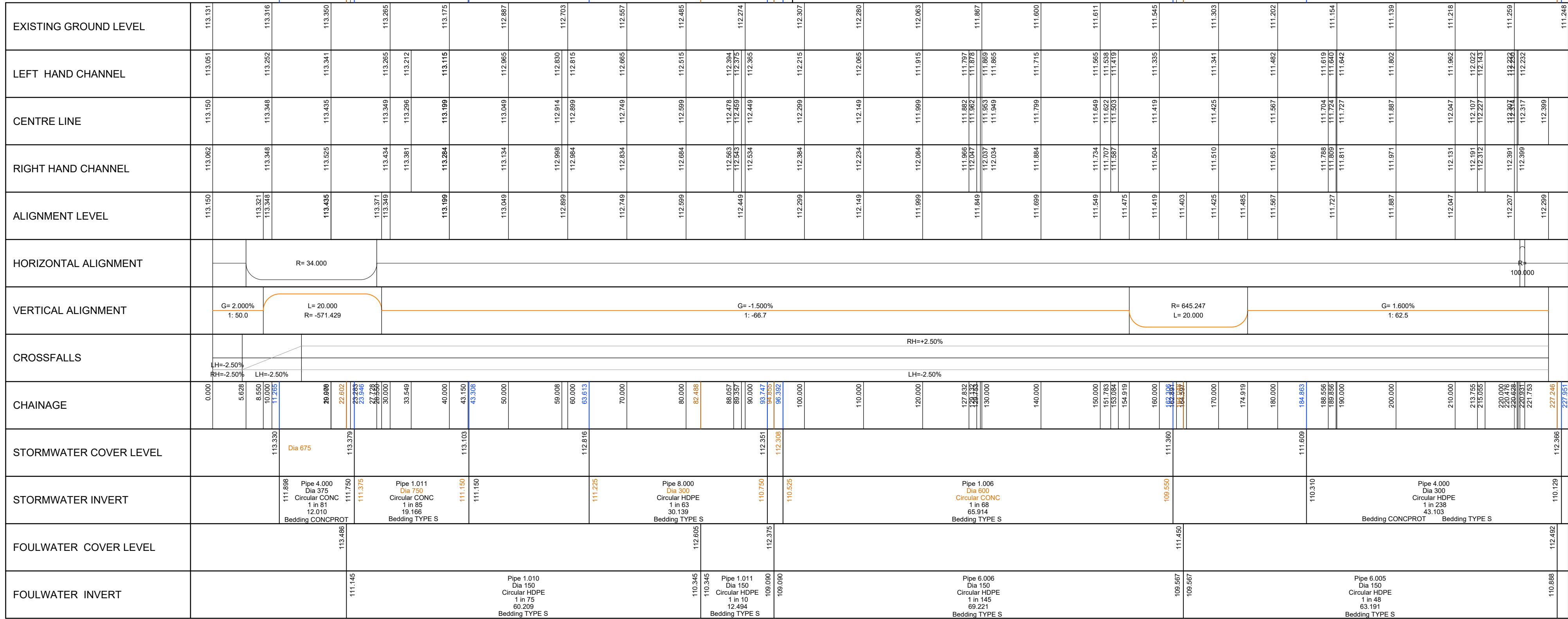


ROAD 1



RISK ASSESSMENT

EXISTING SERVICES:

OPEN FIELD AREAS OVERHEAD SERVICES PRESENT - CLIENT TO PROVIDE INFORMATION FOR ANY EXISTING, INCLUDING OVERHEAD EXISTING DOMESTIC SERVICES TO EXISTING FARMS IN CENTRE AND EASTERN BOUNDARY

THE POTENTIAL AREA FOR CONFLICT IS THE CONSTRUCTION OF THE ROAD ACCESS AND OUTFALL SEWERS WHICH MAY INTERFERE WITH UTILITY PIPES. RISK OF ELECTROCUSSION, RISK OF EXPLOSION, RISK OF FLOOD, ALSO HIGHWAY AND RESIDENTIAL ACCESS FOR WESTFIELDS FARM AND TRACK, OUTFALL SEWER WILL NEED TO CROSS A7, TRAFFIC MANAGEMENT AND EXISTING SERVICES TO BE CONSIDERED.

EXISTING GROUND CONDITIONS:

SITE INVESTIGATION

SOFT TOPSOIL 0.2M-0.4M
In general, the intrusive investigation has confirmed the geology comprising variable granular and cohesive materials interpreted as drift deposits across the site. Granular drift deposits were encountered centrally and in particular centrally in the south that could be interpreted as the Worsley Sand and Gravel. Further to this, granular materials were locally encountered in the north-east that could be interpreted as the Dunmore Gravel. However, the drift deposits were found to be variable in nature. Due to the difficulties in interpreting the materials encountered, all drift deposits have been interpreted as the Violation Glacigenic Formation. Please see report for details.

FROM REPORT - ASL Report No. 092-24-087-10

FURTHER TO THIS, COLLAPSE WAS RECORDED AT SEVERAL TRIAL HOLES AND WAS TYPICALLY RECORDED IN ASSOCIATION WITH GRANULAR MATERIALS AND THE PRESENCE OF GROUNDWATER. THE FINDINGS OF THE INVESTIGATION HAVE LOCALLY SHOWN THE SHALLOW GROUND CONDITIONS TO BE SUBJECT TO SPALLING AND COLLAPSE, PARTICULARLY IN ASSOCIATED WITH GRANULAR MATERIALS AND GROUNDWATER INFLOWS.

SHALLOW EXCAVATIONS SHOULD REMAIN STABLE IN THE SHORT TERM HOWEVER, DEEPER EXCAVATIONS MAY BE PRONE TO COLLAPSE, PARTICULARLY IN ASSOCIATION WITH INFLOWS OF WATER WITH GRANULAR SOILS. CONSEQUENTLY, TEMPORARY SUPPORT SHOULD BE CONSIDERED FOR ALL EXCAVATIONS WHERE COLLAPSE IS TO BE AVOIDED. PARTICULARLY WHERE EXCAVATIONS EXTEND BEYOND 2.0M IN DEPTH. IN ACCORDANCE WITH CURRENT HEALTH AND SAFETY REQUIREMENTS, SHORING OR BATTERING BACK OF EXCAVATIONS IS REQUIRED IN ALL CASES WHERE ACCESS FOR PERSONNEL, INCLUDING TO ENTER THOSE EXCAVATIONS, THEREFORE THERE IS A RISK THAT COLLAPSE OF THE EXCAVATION COULD OCCUR. HEAVY DUTY CLOSED SHORING SHOULD BE PROVIDED FOR ANY EXCAVATIONS WHERE MAIN ENTRY IS NECESSARY. IN COMPLIANCE WITH STATUTORY REQUIREMENTS, TO ENSURE SAFE WORKING CONDITIONS.

GROUND WATER - DURING THE INTRUSIVE INVESTIGATION, GROUNDWATER WAS RECORDED AT APPROXIMATELY HALF OF THE EXPLORATORY LOCATIONS AT DEPTHS OF BETWEEN APPROXIMATELY 0.8M AND 1.1M BGL. GROUNDWATER WAS TYPICALLY RECORDED ASSOCIATED WITH GRANULAR MATERIALS OR GRANULAR PO