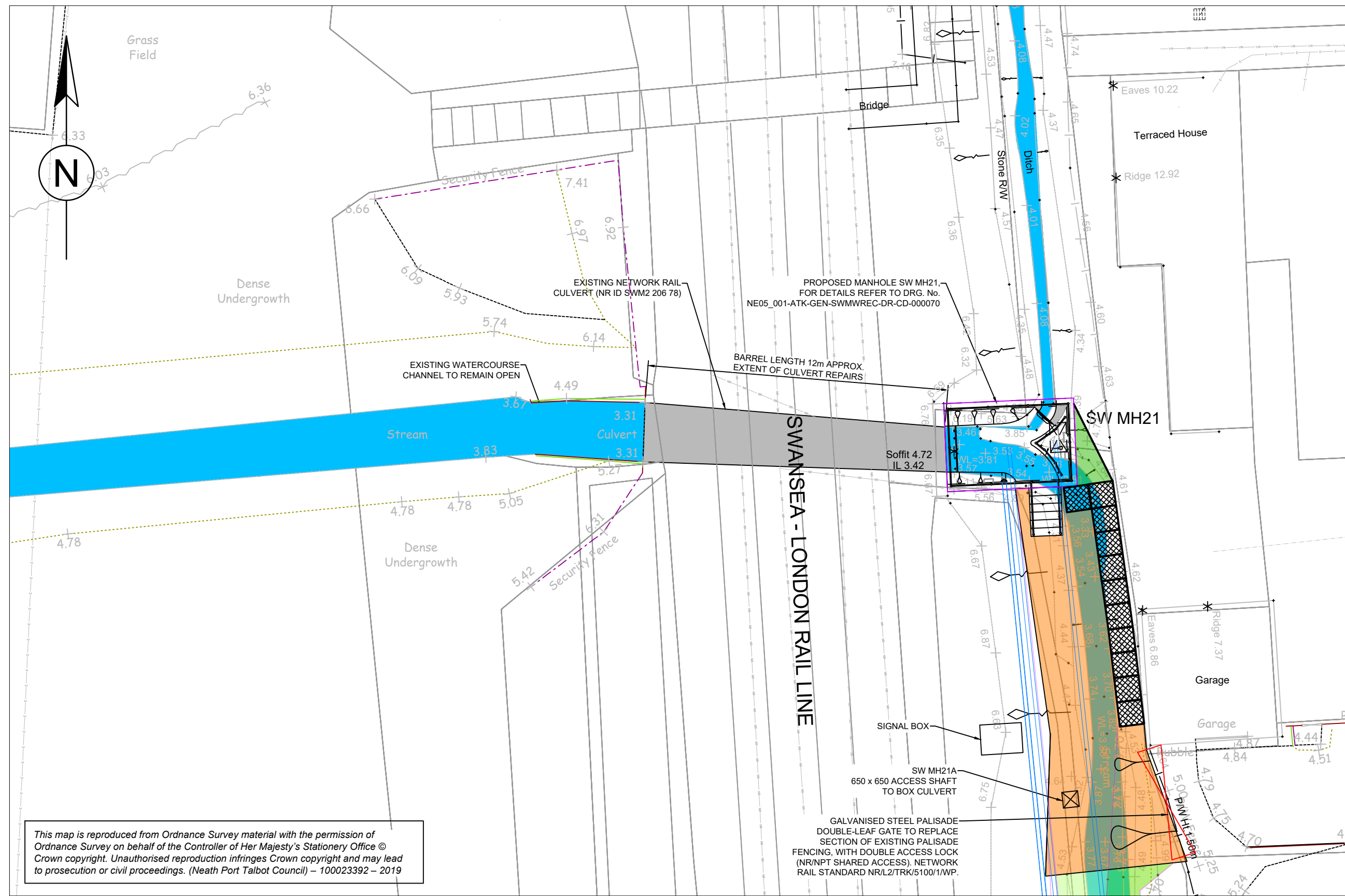


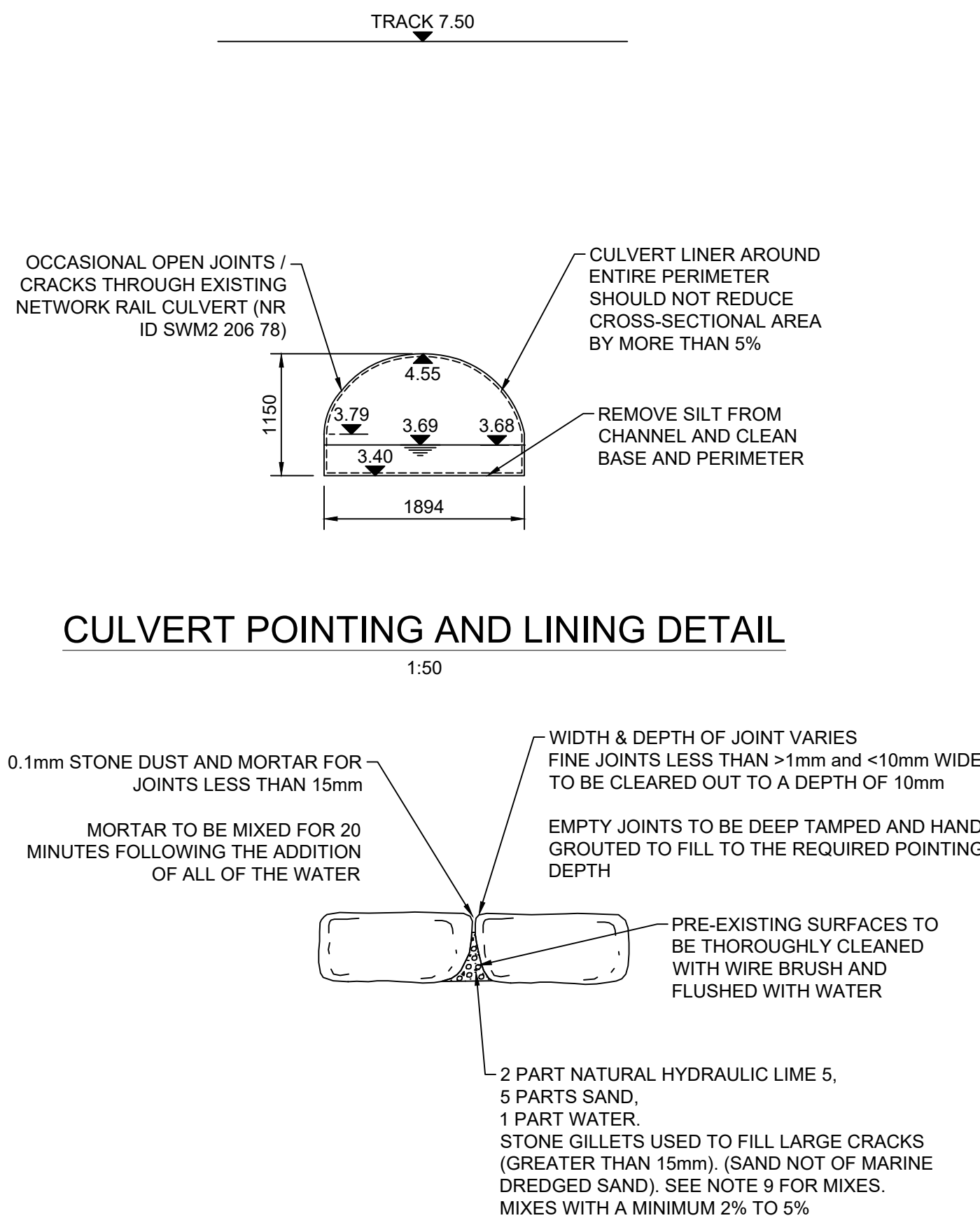
DO NOT SCALE

100
0 10
Millimetres



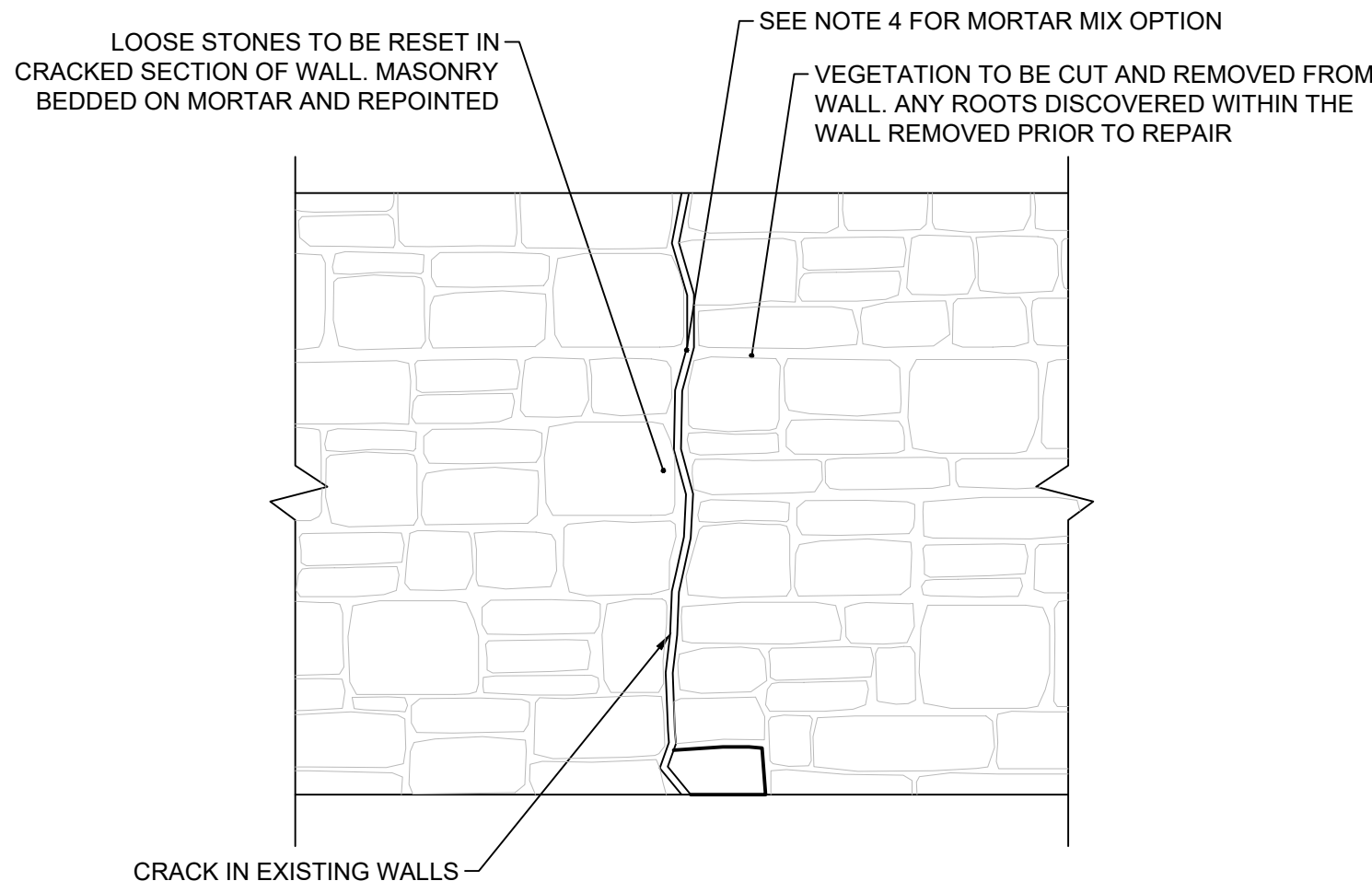
PLAN
1:100

CULVERT POINTING AND LINING DETAIL



MASONRY WALL REPOINTING DETAIL

1:20



VERTICAL CRACK REPAIR DETAIL

1:20



VIEW OF CULVERT ENTRANCE
(WEST SIDE)



VIEW OF CULVERT ENTRANCE
(EAST SIDE)



SOFFIT VIEW

PROPOSED METHODOLOGY FOR CULVERT REPAIRS

THE CULVERT REPAIRS WILL BE BASED ON THE FOLLOWING OUTLINE METHODOLOGY AND STAGES:

PREPARATORY WORK

1. THE TUNNEL WILL REQUIRE DAMMING OFF AT BOTH ENDS AND OVERPUMPING OF FLOW THROUGH THE CULVERT.
2. DEBRIS TO THE CULVERT BASE SHALL BE REMOVED AND DISPOSED.
3. AN INSPECTION WILL TAKE PLACE AND A RECORD OF CRACKING AND LOOSE MASONRY PROVIDED TO NETWORK RAIL AND NPT REPRESENTATIVES.
4. REPOINTING REPAIRS WILL TAKE PLACE AS PER DETAILS ABOVE. FINE CRACKS LESS THAN 1mm WILL NOT BE REPAIRED.
5. INSTALL CULVERT STRUCTURAL LINER.
6. REMOVE TEMPORARY DAMS.

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 significant residual risks (Reference shall also be made to the design hazard log).

Construction

- Requirement for services diversions in advance of works to install new culvert
- Potential for encountering unplotted services or private underground services
- access to be maintained to residential and commercial properties
- Presence of asbestos containing materials at Carreg Hir
- Presence of contaminated soils in areas of former industrial use (land at Penhiwlin)
- Maintaining of existing surface water flows
- Sudden increase in flows

Maintenance / Cleaning

- Trash screen will require regular inspection and clearance
- Trash screen and outfall to be inspected after storm events
- Attenuation tanks to be cleaned by high flow jetting
- Silt/rock traps to be emptied to prevent culvert blockage

Use

- Trash screen will require regular inspection and clearance
- Trash screen and outfall to be inspected after storm events
- Attenuation tanks to be cleaned by high flow jetting
- Silt/rock traps to be emptied to prevent culvert blockage

Decommissioning / Demolition

- Requirement for services diversions in advance of works to install new culvert
- Potential for encountering unplotted services or private underground services
- access to be maintained to residential and commercial properties
- Presence of asbestos containing materials at Carreg Hir
- Presence of contaminated soils in areas of former industrial use (land at Penhiwlin)
- Maintaining of existing surface water flows
- Sudden increase in flows

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. ALL LEVELS ARE IN METRES ABOVE ORDNANCE DATUM UNLESS OTHERWISE NOTED.
3. EXCAVATED MATERIAL TO BE DISPOSED OF AT CONTRACTOR'S LICENSED TIP.
4. POINTING MORTAR MIX OPTIONS, BUILDING / POINTING, 5 PARTS SAND, 2 PARTS LIME (NHL5), 1 PART WATER
5. REPLACEMENT STONES TO BE BEDDED BUT NOT INITIALLY POINTED. POINTING OF THE OUTER 25mm LEFT UNTIL BEDDING WORK HAD SETTLED.

SERVICES LEGEND

- Neath Port Talbot Borough Council - Drainage
- Neath Port Talbot Borough Council - Gully
- Neath Port Talbot Borough Council - Street Light
- Neath Port Talbot Borough Council - Street Lighting
- ⊙ Neath Port Talbot Borough Council - Electric Street Furniture
- Dwr Cymru Welsh Water - Sewerage
- Dwr Cymru Welsh Water - Water
- Openreach - British Telecommunications
- Openreach - British Telecommunications - Overhead
- Virgin Media
- Vodafone
- Wales and West Utilities
- GTC
- Western Power Distribution
- Western Power Distribution - Overhead
- Western Power Distribution - Substation
- Radar Trace
- Ysgol Carreg Hir Surface Water - Drainage
- Ysgol Carreg Hir Surface Water - Filter Drain
- Ysgol Carreg Hir Foul Sewer
- Network Rail asset

Description						
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
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Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
Description						
Description For Planning						
Status	Revision	Drawn	Checked	Reviewed	Authorised	Issue Date
S6	P01	DJW	RC	RAM	---	26/05/20