DO NOT SCALE

Millimetres 100 0 10

225mm Ø SURFACE WATER SEWER CONNECTION FROM EXISTING INTO NEW MH18 WITH NON-RETURN VALVE

EX SW MH CL. 5.520 IL. 3.920

SW MH18

SW MH17A ACCESS SHAFT

SW MH17

PROTECTION OR REMOVAL/REINSTATEMENT OF EXISTING SEMI-MATURE TREE

TEMPORARY REMOVAL OF STEEL PALISADE FENCE

PROPOSED 1750 x 750 PRECAST BOX CULVERT

TEMPORARY REMOVAL OF LIGHTING COLUMN

REINSTATE FOOTWAY ON COMPLETION

DEMOLISH MANHOLE AND CONNECT 525 Ø PIPE INTO CULVERT

EX SW MH22 CL. 5.470

SW IC CL. 5.720 IL. 4.695

SW MH 18 CHAMBER SHOWN INDICATIVE. CHAMBER DESIGN TBC

EXISTING 525 DIA. PIPE TO BE ABANDONED

300/375mm FLAP VALVES ON EACH INCOMING PIPE

SW MH CL. 6.900 IL. 5.105

ROUTE THROUGH LANE AND ROUTE OF EXISTING WATERCOURSE

EXISTING TREES AFFECTED BY THE WORKS

SW MH16B

DEMOLISH EXISTING MANHOLE AND CONSTRUCT SW MH 16B AND CONNECT EXISTING 375 AND 300 Ø PIPES

IC CL. 6.630 IL. 5.800

PLUG 450 Ø PIPE CONNECTION BETWEEN SW MH 17 AND SW MH 16B

PROPOSED 1200 Ø CULVERT

IC CL. 6.700 IL. 5.600

EXISTING 1000 Ø PIPE TO REMAIN IN USE

EX FOUL MH (TBC) CL. 7.150 IL. 4.820

TRIAL EXCAVATIONS REQUIRED ON FOUL MAIN TO CONFIRM DEPTHS AHEAD OF ANY CONSTRUCTION OF PROPOSED CULVERT

EX FOUL MH CL. 7.720 IL. 6.895

EX FOUL MH CL. 7.584 IL. 6.744

EXISTING 150 DIA. FOUL SEWER

PIPE PROTECTION WORK NEAR SW MH 16 IN ADVANCE OF MANHOLE EXCAVATION TO BE DETERMINED AT DETAILED DESIGN STAGE

FOR CONTINUATION SEE NE05_001-ATK-GEN-SWMWREC-DR-CD-000011

A474 PANT-YR-HEOL

FARM ROAD

SW MH16A

TP01

TP02

SW MH16

EX FOUL MH CL. 8.000 IL. 5.150

EX SW MH21A CL. 8.180 IL. 5.295

EX FOUL MH CL. 8.200 IL. 5.170

EXISTING 100 DIA. FOUL SEWER

EX FOUL MH CL. 7.490 IL. 5.940

TAKE DOWN AND SET ASIDE FOR REUSE WOODEN PLAY AREA IN THE SCHOOL GROUNDS

TAKE DOWN AND SET ASIDE FOR REUSE WELDMESH FENCING

TAKE DOWN AND SET ASIDE FOR REUSE EXISTING LIGHTING

EXISTING 1000 DIA. CULVERT TO REMAIN IN USE

PROPOSED 1200 DIA. CULVERT

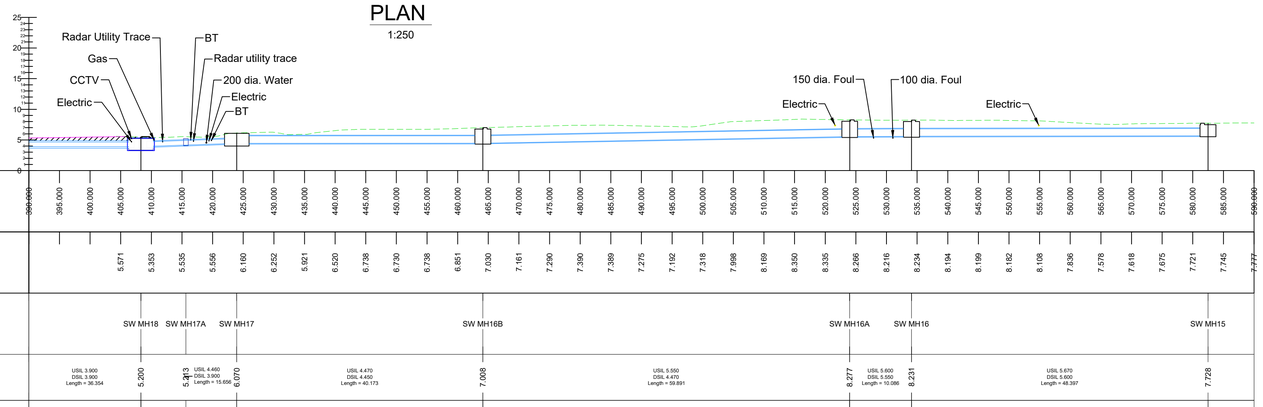
SW MH15

FOR CONTINUATION SEE NE05_001-ATK-GEN-SWMWREC-DR-CD-000013

N

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PLAN
1:250



CULVERT LONG SECTION (MH18 - MH16)
1:500

SCHEDULE OF REMEDIAL WORK ON EXISTING SEWERS

Length	Work Required	Length (m)	Pipe Dia. (mm)
EXMH22 - EXMH21A	• CLEAR DEBRIS (PIPE AROUND 60% FULL) • RELINE PIPE	100	1000
EXMH21A - PROPOSED SWMH17	• CLEAR DEBRIS (PIPE AROUND 60% FULL) • RELINE PIPE	59	900
EXMH21 EXMH21A	CONCRETE JACKET AND PRESSURE PLATE	N/A	N/A

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 Penrhiwtin)
- 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 Penrhiwtin)
- 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.

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
For Planning	S6	P01	DJW	RC	RAM	---	26/05/26

Drawing Suitability: FOR PLANNING — Status: S6

Project Title: GRANDISON BROOK

Drawing Title: PLAN AND LONG SECTION SHEET 3

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Client: NEATH PORT TALBOT COUNTY BOROUGH COUNCIL

Drawing Number: Project NE05_001 - Originator ATK - Volume GEN - Location SWMWREC - Type DR - Role CD - Number 000012

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