

CUT LINE REFER TO SHEET 7 OF 8

CUT LINE REFER TO SHEET 3 OF 8

CUT LINE REFER TO SHEET 2 OF 8

**EXISTING SERVICES PROPOSED CLASH TREATMENT**

INTERFACE	TREATMENT	TREATMENT DESCRIPTION
WELSH WATER	TYPE 1	CONTRACTOR SHALL POSITIVELY IDENTIFY EXISTING UTILITY AND CONFIRM IF ANY EXISTING WATER MAIN DISTRIBUTION IS IN CLOSE PROXIMITY. UNKNOWN DEPTH FOR SUPPLY PIPE, HOWEVER WW MAINS ARE APPROX AT 900MM DEPTH. UTILITY ALIGNMENT IS INDICATIVE. IN CASE OF INTERFACE WITH UTILITY, MAINTAIN A SAFE OFFSET FROM EXISTING ASSET. CONTRACTOR TO LIAISE WITH UTILITY PROVIDER FURTHER IF REQUIRED IN ORDER TO AVOID ANY DAMAGES AND IMPLEMENT DIVERSIONS.
TELECOMMUNICATIONS	TYPE 2	CONTRACTOR SHALL POSITIVELY IDENTIFY EXISTING UTILITY. UTILITY ALIGNMENT IS INDICATIVE. IN CASE OF INTERFACE WITH UTILITY, MAINTAIN A MIN 200MM OFFSET FROM EXISTING ASSET AND CONTRACTOR TO LIAISE WITH BT FURTHER IF NEEDED ANY DIVERSIONS
WESTERN POWER DISTRIBUTION	TYPE 3	CONTRACTOR SHALL POSITIVELY IDENTIFY EXISTING UTILITY. UTILITY ALIGNMENT IS INDICATIVE. IN CASE OF INTERFACE WITH UTILITY, MAINTAIN A MIN 200MM OFFSET FROM EXISTING ASSET AND CONTRACTOR TO LIAISE WITH BT FURTHER IF NEEDED ANY DIVERSIONS
EXISTING LIGHTING COLUMN AND STREET LIGHTING	TYPE 4	UTILITY ALIGNMENT IS INDICATIVE, BASED ON AS BUILT INFORMATION. THE CONTRACTOR SHALL POSITIVELY IDENTIFY EXISTING UTILITY AND AIM TO MAINTAIN A SAFE OFFSET FROM EXISTING STREET LIGHTING. CONTRACTOR TO LIAISE WITH UTILITY PROVIDER FURTHER IF REQUIRED IN ORDER TO AVOID ANY DAMAGES AND IMPLEMENT DIVERSIONS.

**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 SPECIFIC RESIDUAL RISKS (REFERENCE SHALL ALSO BE MADE TO THE DESIGN HAZARD LOG).

CONSTRUCTION

FOR HAZARDS REFER TO DOCUMENT: SAFETY IN DESIGN - DESIGNERS RESIDUAL HAZARD REGISTER

WORKING WITHIN LIVE TRAFFIC AND UNDER TRAFFIC MANAGEMENT

UNDERGROUND UTILITIES : CONTRACTOR TO CONSIDER RISKS ASSOCIATED WITH WORKS CLASHING WITH UTILITIES SUCH AS GAS, WATER, FOUL, TELECOM.

ELECTRICITY: CONTRACTOR TO CONSIDER RISKS ASSOCIATED WITH WORKS CLASHING WITH POWER CABLES.

WORKING WITH HAZARDOUS MATERIAL (ASPHALT, CONCRETE)

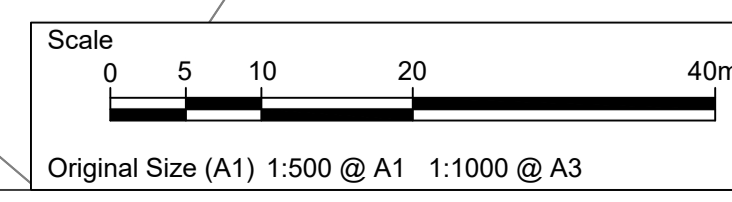
MANUAL HANDLING (SING FACES, POSTS ETC)

**KEY:**

- ELECTRIC - ELECTRIC - WESTERN POWER HIGH VOLTAGE
- WPD LV - WESTERN POWER LOW VOLTAGE UNDERGROUND
- GAS HP - WALES AND WEST UNDERGROUND HIGH PRESSURE
- BT - BT OVER HEAD LINE
- BT POLE - BT POLE
- FOUL - FOUL SEWER
- WATER - SURFACE WATER SEWER
- LIGHTING COLUMN CABLES - LIGHTING COLUMN CABLES

**NOTES**

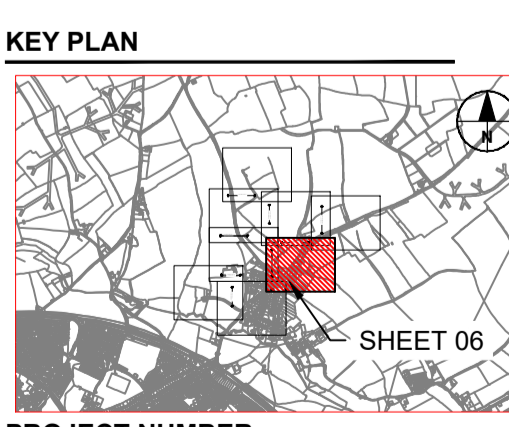
- ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT SPECIFICATION AND THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS.
- ALL WORKING HOURS AND TRAFFIC MANAGEMENT MEASURES ARE TO BE AGREED WITH THE LOCAL HIGHWAY AUTHORITY AND DEPLOYED IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
- LOCATION OF SITE COMPOUND TO BE AGREED WITH THE LOCAL HIGHWAY AUTHORITY PRIOR TO WORKS COMMENCING. ALL MOVEMENT OF PLANT SHOULD BE IN ACCORDANCE WITH RECOGNISED GOOD INDUSTRY PRACTICE. BANKSMEN SHOULD BE PROVIDED WHEN REQUIRED.
- THE GENERAL PUBLIC SHOULD BE SEPARATED FROM THE WORKS WITH ADEQUATE LATERAL CLEARANCE AND APPROPRIATE SAFETY ZONES PROVIDED IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
- ACCESS TO PRIVATE PROPERTIES MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE AGREED WITH THE AFFECTED PARTY AND THE LOCAL HIGHWAY AUTHORITY.
- MEASURES SHOULD BE DEPLOYED TO ENSURE NOISE, VIBRATION AND DUST IS MINIMISED.
- ALL BURIED SERVICES ARE TO BE POSITIVELY LOCATED ON SITE PRIOR TO EXCAVATION. CAT SCANS SHALL BE COMPLETED PRIOR TO EXCAVATION WITH SERVICE LOCATIONS MARKED UP ON SITE. OPERATIVES SHALL EMPLOY HAND DIGGING METHODS WHEN WORKING IN CLOSE PROXIMITY TO BURIED SERVICES. STATUTORY UNDERTAKER'S PLANT SHALL BE PROTECTED AS NECESSARY. ADDITIONAL TRIAL PITS SHALL BE EXCAVATED AS REQUIRED.
- THIS DRAWING IS BASED UPON INFORMATION SUPPLIED BY THE STATUTORY UNDERTAKERS, THE ACCURACY OF WHICH CANNOT BE GUARANTEED.
- CONTRACTOR TO LIAISE WITH UTILITY SUPPLIERS AND INFORM VALE OF GLAMORGAN COUNCIL PRIOR TO ANY ADJUSTMENT WORK BE IMPLEMENTED.
- CONTRACTOR TO SUBMIT "SCHEDULED WORKS" TO THE UTILITY SERVICE PROVIDERS AND ACQUIRE NECESSARY APPROVALS PRIOR TO COMMENCING ANY CONSTRUCTION WORK ON SITE.



STATUS  
DETAILED DESIGN

ISSUE/REVISION

NO	DATE	DESCRIPTION
C	07/07/2021	FOR PRICING
B	26/02/2021	DETAILED DESIGN
A	16/12/2020	DRAFT DETAILED DESIGN



PROJECT NUMBER  
60160078

SHEET TITLE  
LLANMAES VILLAGE  
FLOOD ALLEVIATION SCHEME  
UTILITIES PLAN  
SHEET 6 OF 8

SHEET NUMBER  
SHEET 6 OF 8

Project Management Initials: Designer: KP Checked: ATZ Approved: RM  
 Last saved by: RHYSDANIES2021-07-13 Last Plotted: 2021-07-14  
 Filename: F:\PROJECTS\HIGHWAYS - LLANMAES FLOOD ALLEVIATION SCHEMES\0 CAD\DS3 DRAWINGS\SERIES 2000 - MISCELLANEOUS\30 9000 UTILITIES\60509148-ACM-SHT-30-0140-CT-0140-0148.DWG