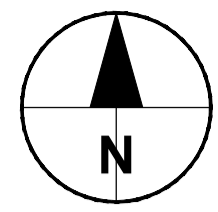


Project Management Initials: Designer: KP Checked: ATZ Approved: RM

Last saved by: RHYS DAVIES(2021-07-09) Last Plotted: 2021-07-09  
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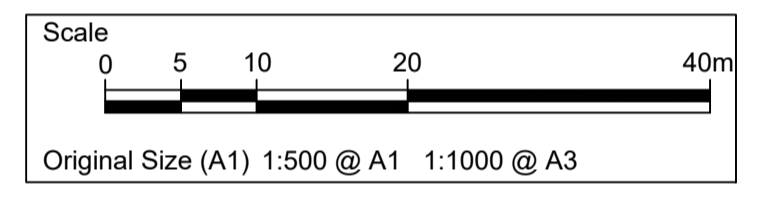
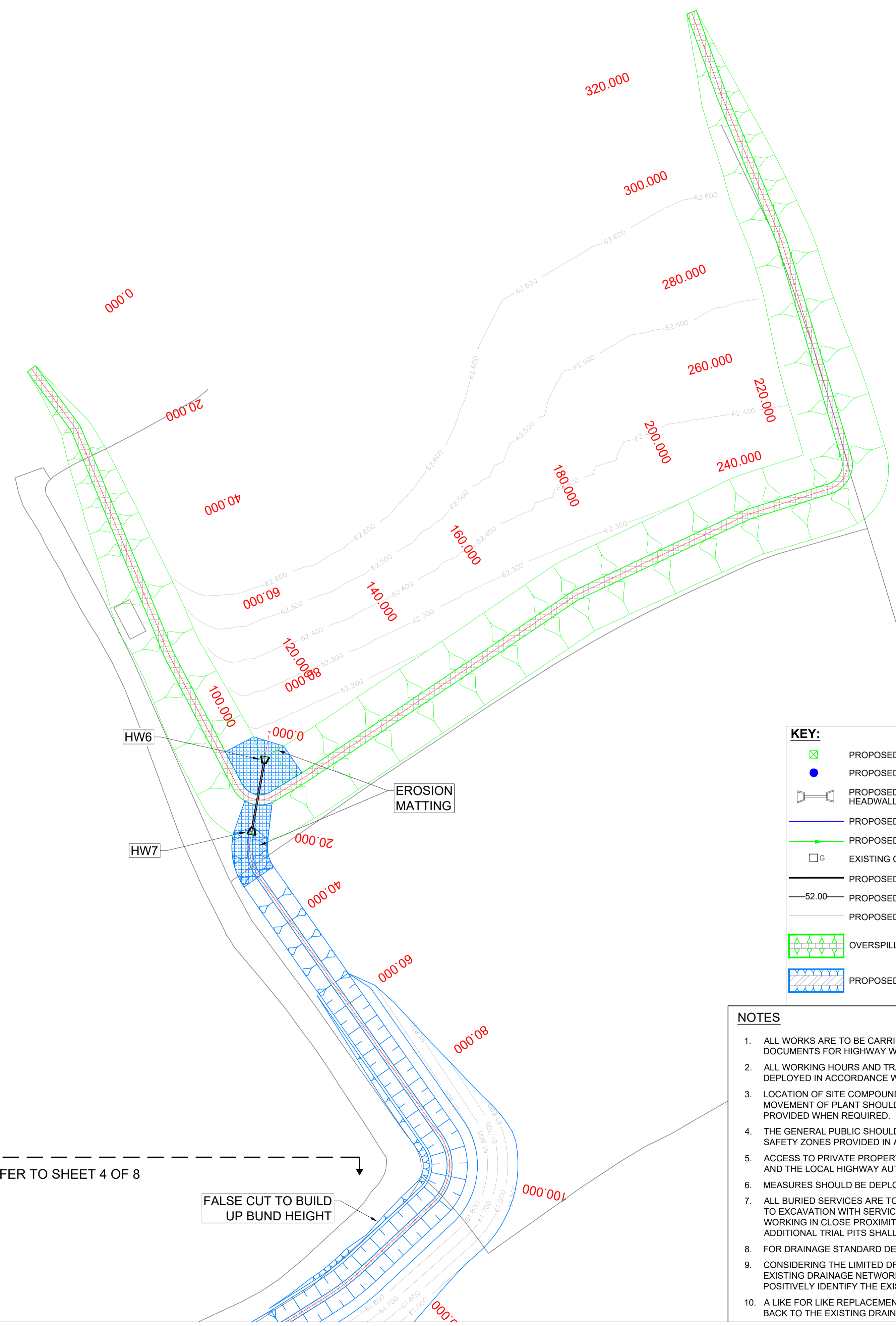


PROJECT  
**LLANMAES VILLAGE  
FLOOD ALLEVIATION  
SCHEME**

CLIENT  
VALE OF GLAMORGAN COUNCIL



CONSULTANT  
AECOM  
1 CALLAGHAN SQUARE  
CARDIFF  
CF10 5BT  
TEL: (029) 20674600  
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**KEY:**

- PROPOSED GULLY
- PROPOSED CHAMBER
- PROPOSED CULVERT / HEADWALLS
- PROPOSED CARRIER PIPE
- PROPOSED FILTER DRAIN
- EXISTING GULLY LOCATION
- PROPOSED KERB LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- OVERSPILL BUNDS \ BUNDS
- PROPOSED DITCH

**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).

WORKING WITHIN LIVE TRAFFIC AND UNDER TRAFFIC MANAGEMENT
UNDERGROUND UTILITIES, ELECTRICITY
WORKING WITH HAZARDOUS MATERIAL (ASPHALT)
DITCH EXCAVATIONS

**NOTES**

- ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT SPECIFICATION AND THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS (MCHW).
- 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 TRAIL PITS SHALL BE EXCAVATED AS REQUIRED.
- FOR DRAINAGE STANDARD DETAILS REFER TO DRAWING "60160078-ACM-SHT-30-9000-CT-9000".
- CONSIDERING THE LIMITED DRAINAGE AS-BUILT INFORMATION THAT WERE AVAILABLE TO THE DESIGNER, IT IS ASSUMED THAT THE EXISTING DRAINAGE NETWORK INVERT IS >1000MM DEPTH. THE CONTRACTOR SHALL SURVEY OR UNDERTAKE TRAIL PITS TO POSITIVELY IDENTIFY THE EXISTING DRAINAGE NETWORK PRIOR TO ANY WORKS.
- A LIKE FOR LIKE REPLACEMENT IS CONSIDERED FOR GULLIES THAT NEED TO BE RELOCATED. ALL GULLIES SHALL BE CONNECTED BACK TO THE EXISTING DRAINAGE NETWORK VIA A CARRIER PIPE.

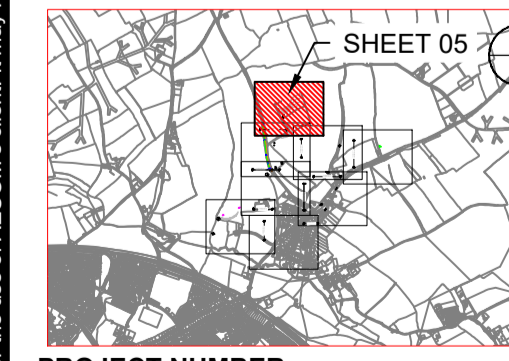
**STATUS**

DETAILED DESIGN

**ISSUE/REVISION**

IR	DATE	DESCRIPTION
C	07/07/2021	FOR PRICING
B	26/02/2021	DETAILED DESIGN
A	16/12/2020	DRAFT DETAILED DESIGN

**KEY PLAN**



**PROJECT NUMBER**

60160078

**SHEET TITLE**

LLANMAES VILLAGE  
FLOOD ALLEVIATION SCHEME  
DRAINAGE NETWORK PLAN  
SHEET 5 OF 8

**SHEET NUMBER**

60160078-ACM-SHT-30-0500-CT-0505