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ISO A1 594mm x 841mm
Approved: RM
Checked: ATz
Designer: KP
Project Management Initials:
Last saved by: RHYS.DAVIES2 (2021-07-09) Last Plotted: 2021-07-09
Filename: I:\PROJECTS\HIGHWAYS - LLANMAES FLOOD ALLEVIATION SCHEME\5.0 CADD\5.3 DRAWINGS\SERIES 0500 - DRAINAGE_DUCTS\30 0500 DRAINAGE\60509148-ACM-SHT-30-0500-CT-0501-0508.DWG
Printed on ___% Post-Consumer Recycled Content Paper

N

HW10
HW11
100.000
20.000
CUT LINE REFER TO SHEET 7 OF 8
0.000
20.000
40.000
60.000
80.000
650.000
GRATING LEVEL OF EXISTING GULLY TO BE RAISED TO SUIT PROPOSED ROAD LEVEL
600.000
220.000
200.000
180.000
550.000
G1
PROPOSED GULLY TO OUTFALL TO EXISTING GULLY CONNECTION PIPE AT LOCATION WHERE THERE IS A SUITABLE FALL FROM PROPOSED GULLY
160.000
ASSUMED EXISTING PIPE NETWORK- TO BE CONFIRMED PRIOR TO CONSTRUCTION
140.000
500.000
G2
120.000
SURFACE RUNOFF TO ENTER DITCH AND VILLAGE GREEN WATERCOURSE VIA DROPPED KERBS
EXISTING GULLIES TO REMAIN
EXISTING GULLY TO REMAIN
HW12
100.000
450.000
G4
HW13
HW14
G5
HW15
HW19
SIDE OF CHANNEL TO BE BROKEN OUT AND REFORMED SO WATER CAN ENTER PROPOSED DITCH LEADING TO VILLAGE GREEN WATERCOURSE
G3
80.000
G6
MH1a
PROPOSED GULLY OUTLETS INTO WIDENED WATERCOURSE- LOCATIONS TO BE ADJUSTED ON SITE TO AVOID TREES AND OTHER CONSTRAINTS
GRATING LEVEL OF EXISTING GULLY TO BE RAISED TO SUIT PROPOSED ROAD LEVEL
G9
60.000
EXISTING 150mm DIA OUTLET FROM EXISTING MANHOLE TO SADDLE TO PROPOSED NETWORK
G10
G8
EXISTING LINEAR DRAIN TO REMAIN- OUTFALL HEADWALL TO BE INSTALLED (HW19)
EXISTING GULLIES TO REMAIN
G11
G7
40.000
G12
G28
PROPOSED 150mm DIA GULLY CONNECTION FROM EXISTING GULLY
350.000
G13
20.000
EXISTING GULLY CONNECTION STOPPED UP
G14
MH1
EXISTING GULLIES TO REMAIN
PROPOSED SADDLE JOINT TO EXISTING GULLY CONNECTION
G27
0.000
PROPOSED GULLY TO OUTFALL TO PROPOSED GULLY
PROPOSED 150mm DIA GULLY CONNECTION TO OUTFALL TO EXISTING GULLY
MH2
CUT LINE REFER TO SHEET 2 OF 8
CUT LINE REFER TO SHEET 3 OF 8

Scale
0 5 10 20 40m
Original Size (A1) 1:500 @ A1 1:1000 @ A3

KEY:

- PROPOSED GULLY
- PROPOSED CHAMBER
- PROPOSED CULVERT / HEADWALLS
- PROPOSED CARRIER PIPE
- PROPOSED FILTER DRAIN
- EXISTING GULLY LOCATION
- PROPOSED KERB LINE
- 52.00 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

1. ALL WORKS ARE TO BE CARRIED OUT IN ACCORDANCE WITH THE CONTRACT SPECIFICATION AND THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS (MCHW).
2. 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.
3. 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.
4. 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.
5. ACCESS TO PRIVATE PROPERTIES MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE AGREED WITH THE AFFECTED PARTY AND THE LOCAL HIGHWAY AUTHORITY.
6. MEASURES SHOULD BE DEPLOYED TO ENSURE NOISE, VIBRATION AND DUST IS MINIMISED.
7. 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.
8. FOR DRAINAGE STANDARD DETAILS REFER TO DRAWING "60160078-ACM-SHT-30-9000-CT-9000".
9. 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.
10. A LIKE FOR LIKE REPLACEMENT IS CONSIDERED FOR GULLIES THAT NEED TO RELOCATED. ALL GULLIES SHALL BE CONNECTED BACK TO THE EXISTING DRAINAGE NETWORK VIA A CARRIER PIPE.

AECOM

PROJECT
LLANMAES VILLAGE FLOOD ALLEVIATION SCHEME

CLIENT
VALE OF GLAMORGAN COUNCIL

VALE of GLAMORGAN
BRO MORGANNWG

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STATUS
DETAILED DESIGN

ISSUE/REVISION

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

KEY PLAN

PROJECT NUMBER
60160078

SHEET TITLE
LLANMAES VILLAGE
FLOOD ALLEVIATION SCHEME
DRAINAGE NETWORK PLAN
SHEET 6 OF 8

SHEET NUMBER
60160078-ACM-SHT-30-0500-CT-0506