SURFACE WATER DISCHARGE RATE AND POINT SUBJECT TO AGREEMENT WITH WELSH WATER

FOUL WATER DISCHARGE POINT SUBJECT TO AGREEMENT WITH WELSH WATER

EXISTING HIGHWAY GULLY RELOCATED DUE TO DEVELOPMENT PROPOSALS, EXISTING GULLY TAIL TO BE UTILISED FOR CONNECTION

LOCATION OF RWPs TO BE CONFIRMED BY ARCHITECT

FURTHER COORDINATION REQUIRED BETWEEN ACME, CIVIC ENGINEERS AND SPACE HUB.
SUBBASE DEPTH: 1000mm
AREA:40.2m²
VOLUME: 12.00m³

1000mm WIDE TRENCH WITH 150mmØ PERFORATED PIPE COLLECTING RAINWATER FROM PAVILION A ROOF.
F.L. - 14.900m

GROUND FLOOR LAYOUT INCLUDED TO IDENTIFY FOUL WATER DROP DOWN POSITIONS FOR UNITS. F.F.L - 10.600m

RAINGARDEN
SUBBASE DEPTH: 850mm
AREA: 85.31m²
VOLUME: 72.51m³

RAINGARDEN
SUBBASE DEPTH: 350mm
AREA: 114.92m²
VOLUME: 40.22m³

VORTEX FLOW CONTROL
OUTLET DIAMETER:225mm
DESIGN FLOW: 20.4l/s
DESIGN DEPTH: 2.19m
CODE: CTL-SHE-0183-2040-2186-2040

CONNECTION DEPENDENT ON WELSH WATER AGREEMENT OF DISCHARGE

NEW MANHOLE CONSTRUCTED ON EXISTING PUBLIC SURFACE WATER SEWER. DEPTH TBC VIA SURVEY. S106 AGREEMENT REQUIRED WITH WELSH WATER

INSET VIEW

Standard Notes

1. This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and the specification.
2. This drawing should not be scaled.
3. All dimensions are to be verified by the contractor on site.
4. All discrepancies should be reported to the C.A. prior to the commencement of the works.

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Notes and Keys

1. TOPOGRAPHICAL SURVEY PROVIDED BY ACME ON 11.08.2021
2. SITE PLAN PROVIDED BY ACME ON 18.03.22. SITE PLAN SHOWN CONSISTS OF A COMBINATION OF GROUND AND ROOF LEVEL PLANS, DRAWING NUMBERS 211-ACME-ST1-00-0011-Revl_OS AND 211-ACME-ST1-00-0012_Revl_OS
3. RWP LOCATIONS PROVIDED BY ACME ON 24.03.22. DRAWING NUMBER 211-ACME-PLA-GA1-00-1101-RevD
4. EXISTING SEWER NETWORK LAYOUT PROVIDED BY ACME ON 09.09.2021, DRAWING NUMBER 211-ACME-SKE-010
5. SUBBASE STORAGE DESIGNED TO AVOID ROOT PROTECTION ZONES AS HIGHLIGHTED ON THE AGRICULTURAL REPORT PROVIDED BY SPIDER ON 04.01.22.

KEY:

- PROPOSED SURFACE WATER DRAIN
- PROPOSED FOUL WATER DRAIN
- RWP PROPOSED RWP
- WVP PROPOSED WVP
- PROPOSED SURFACE WATER MANHOLE
- PROPOSED PPIC
- PROPOSED GULLY
- SD PROPOSED SLOT DRAIN
- RILL PROPOSED RILL
- PROPOSED ATTENUATION RAIN GARDEN
- EXISTING COMBINED WATER SEWER
- EXISTING SURFACE WATER SEWER
- EXISTING PRIVATE SURFACE WATER SEWER - TO BE ABANDONED AND GRUBBED UP
- EXISTING COMBINED WATER MANHOLE
- EXISTING SURFACE WATER MANHOLE
- EXISTING GULLY
- EXISTING CHANNEL DRAIN
- WELSH WATER SEWER EASEMENT

Date	Rev	Description	Drawn	Chkd
25.04.22	P05	UPDATED WITH NEW LAYOUT	TC	RJW
25.03.22	P04	UPDATED WITH NEW LAYOUT	LSS	RJW
04.03.22	P03	UPDATED WITH NEW LAYOUT	LSS	TC
11.02.22	P02	UPDATED WITH NEW LAYOUT	LSS	TC
19.11.21	P01	ISSUED FOR INFORMATION	LSS	TC

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Project
CASTLE SQUARE
SWANSEA

Title
PROPOSED DRAINAGE NETWORK

Status
INFORMATION

Project Number	Scale @ A1	Date Created	Drawn	Checked	Suitability
1496-01	1:200	MAR 22	LSS	RJW	S3

Drawing Number: CSQ-CEC-XX-ZZ-DR-C-00001
Revision: P05