

NOTES

GENERAL

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DRAINAGE:

- ALL DRAINAGE WORKS TO BE CARRIED OUT IN ACCORDANCE WITH CESWI 7TH EDITION
- NEW DRAINS ARE UNDERGROUND PVC-U IN ACCORDANCE WITH BS 4860. PROCESS WATER DRAINS TO BE HATHERNWARE CHEMICAL RESISTANCE - TBC
- PIPE JOINTS IMMEDIATELY ADJACENT TO STRUCTURES AND CHAMBERS ARE FULLY ARTICULATED ROCKER PIPE JOINTS.
- ROCKER PIPES ARE 600mm LONG U.N.O ROCKER PIPES TO BE POSITIONED MINIMUM ACHIEVABLE DISTANCE FROM MANHOLE OR CHAMBER WITH ALLOWANCE FOR INSTALLATION OF FLEXIBLE JOINT
- ALL BURIED PIPES AND DUCTS UNDER STRUCTURE TO BE ENCASED IN MIN 150mm THICK C16/20 MASS CONCRETE. ALSO WHERE GROUND COVER IS LESS THAN 900mm.
- PIPE BEDDING DETAILS SHOWN ON DRAWINGS: BARRY\_01\_DWG\_01\_20135 & 20136

LEGEND:

- HYDRANT RING MAIN
- SURFACE WATER DRAIN
- FOUL WATER DRAIN
- PROCESS WATER DRAIN (AS HATHERNWARE THERMACHEM PIPEWORK)
- ELECTRICAL DUCTS
- POTABLE WATER MAIN (AS PURITON BARRIER PIPE OSA)

- SW00 SURFACE WATER MANHOLE
- FW00 FOUL WATER MANHOLE
- DP00 ELECTRICAL DRAWPIT
- RWP RAIN WATER PIPE
- GULLY ROAD GULLY
- HYP HYDRANT POINT (PROPOSED)
- IV ISOLATION VALVE (PROPOSED)
- BD BACK DROP
- FDVK FIRE DELUGE VALVE KIOSK

REFERENCE DRAWINGS:

- BARRY\_01\_DWG\_01\_20131 - SITE SERVICES GA SHEET 1 OF 4
- BARRY\_01\_DWG\_01\_20132 - SITE SERVICES GA SHEET 2 OF 4
- BARRY\_01\_DWG\_01\_20133 - SITE SERVICES GA SHEET 3 OF 4
- BARRY\_01\_DWG\_01\_20134 - SITE SERVICES GA SHEET 4 OF 4
- BARRY\_01\_DWG\_01\_20135 - SITE SERVICES DETAILS SHEET 1
- BARRY\_01\_DWG\_01\_20136 - SITE SERVICES DETAILS SHEET 2

2D EXPORT FROM A 3D MODEL  
ALL ALTERATIONS TO BE MADE IN THE MODEL FILE

DRAWING TO BE REPRODUCED IN COLOUR

PRELIMINARY

B	04.10.16	UPDATED FOR ATTENUATION	JW	MS	GB
A	01.06.16	FIRST ISSUE	JW	MS	GB
Rev	Date	Description	By	Chk	App

Revision



The Studio  
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CLIENT



PROJECT  
BARRY BIOMASS UK NO 2 LIMITED

TITLE  
SITE SERVICES. SHEET 1

SCALE  
DRAWING SIZE  
A1

DWG No. BARRY\_01\_DWG\_01\_20131 REV. B

**SAFETY, HEALTH & ENVIRONMENTAL (SHE) INFORMATION**

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING:

**CONSTRUCTION**

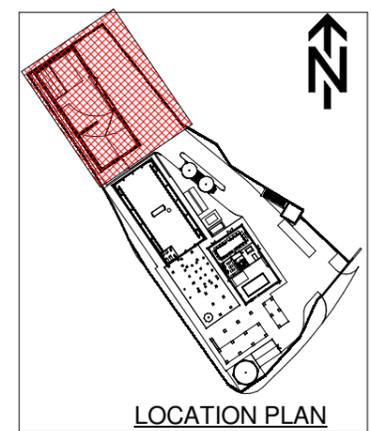
- EXISTING BURIED SERVICES MAY BE PRESENT.
- WATER TABLE LEVEL AT +5.000m AOD (APPROX) REFER TO CCG REPORT CCG-C-15-80605-5

**MAINTENANCE / CLEANING**

1. MANHOLES ARE A CONFINED SPACE WITHOUT A SAFE MEANS OF ACCESS OR EGRESS. ENTRY PERMIT IS REQUIRED FOR ACCESS AND MAINTENANCE. WITH A SAFE AND SUITABLE MEANS OF ENTRY TO BE PROVIDED

**DECOMMISSIONING / DEMOLITION**

NO SIGNIFICANT RISK



FOUL AND SURFACE WATER DISCHARGE FLOW RATE RATE AND LOCATION TBC BY GALLIFORD TRY.

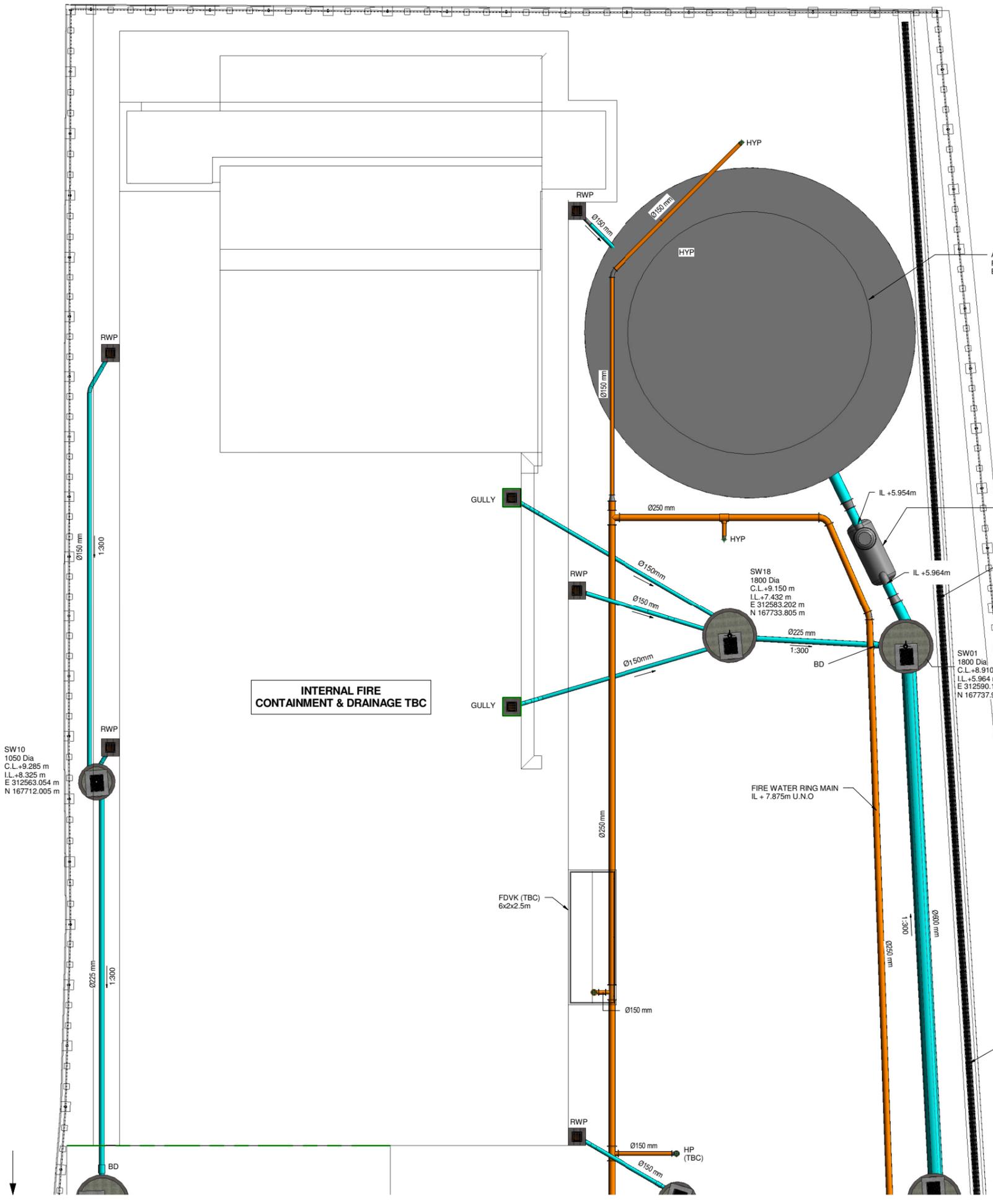
FIRE RING MAIN SIZE AND MATERIAL TBC (ASSUMED PE PIPE)

FIRE HYDRANT POSITIONS TBC

ATTENUATION SIZE & FORM TBC

DUCTING TO INTERCEPTOR AND ATTENUATION TBC

FIRE DELUGE VALVE KIOSK LOCATION, SIZE, DRAINAGE & POWER CONNECTION TBC



ATTENUATION TANK (TBC) FOR DETAILS REFER TO DRAWING: BARRY\_01\_DWG\_21\_\*\*\*\*

INTERCEPTOR TANK (TYPE TBC) FOR DETAILS REFER TO DRAWING: BARRY\_01\_DWG\_21\_\*\*\*\*

SW18  
1800 Dia  
C.L.+9.150 m  
I.L.+7.432 m  
E 312583.202 m  
N 167733.805 m

SW01  
1800 Dia  
C.L.+8.910 m  
I.L.+5.964 m  
E 312590.114 m  
N 167737.923 m

SW10  
1050 Dia  
C.L.+9.285 m  
I.L.+8.325 m  
E 312563.054 m  
N 167712.005 m

CONTINUED ON SITE SERVICES SHEET 2 DRAWING No: BARRY\_01\_DWG\_01\_20132

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DRAINAGE

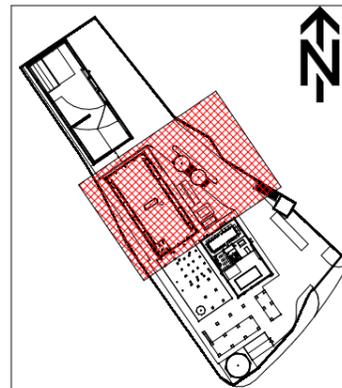
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- PIPE BEDDING DETAILS SHOWN ON DRAWINGS: BARRY\_01\_DWG\_01\_20135 & 20136

LEGEND

- HYDRANT RING MAIN
- SURFACE WATER DRAIN
- FOUL WATER DRAIN
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 BARRY\_01\_DWG\_01\_20136 - SITE SERVICES DETAILS SHEET 2



LOCATION PLAN

SAFETY, HEALTH & ENVIRONMENTAL (SHE) INFORMATION

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MAINTENANCE / CLEANING

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DECOMMISSIONING / DEMOLITION

NO SIGNIFICANT RISK

FOUL AND SURFACE WATER DISCHARGE FLOW RATE RATE AND LOCATION TBC BY GALIFORD TRY.

FIRE RING MAIN SIZE AND MATERIAL TBC (ASSUMED PE PIPE)

FIRE HYDRANT POSITIONS TBC

FIRE DELUGE VALVE KIOSK LOCATION, SIZE, DRAINAGE & POWER CONNECTION TBC

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 ALL ALTERATIONS TO BE MADE IN THE MODEL FILE

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PRELIMINARY

B	04.10.16	UPDATED FOR ATTENUATION	JW	MS	GB
A	24.03.16	FIRST ISSUE	JW	MS	GB
Rev	Date	Description	By	Chk	App
Revision					

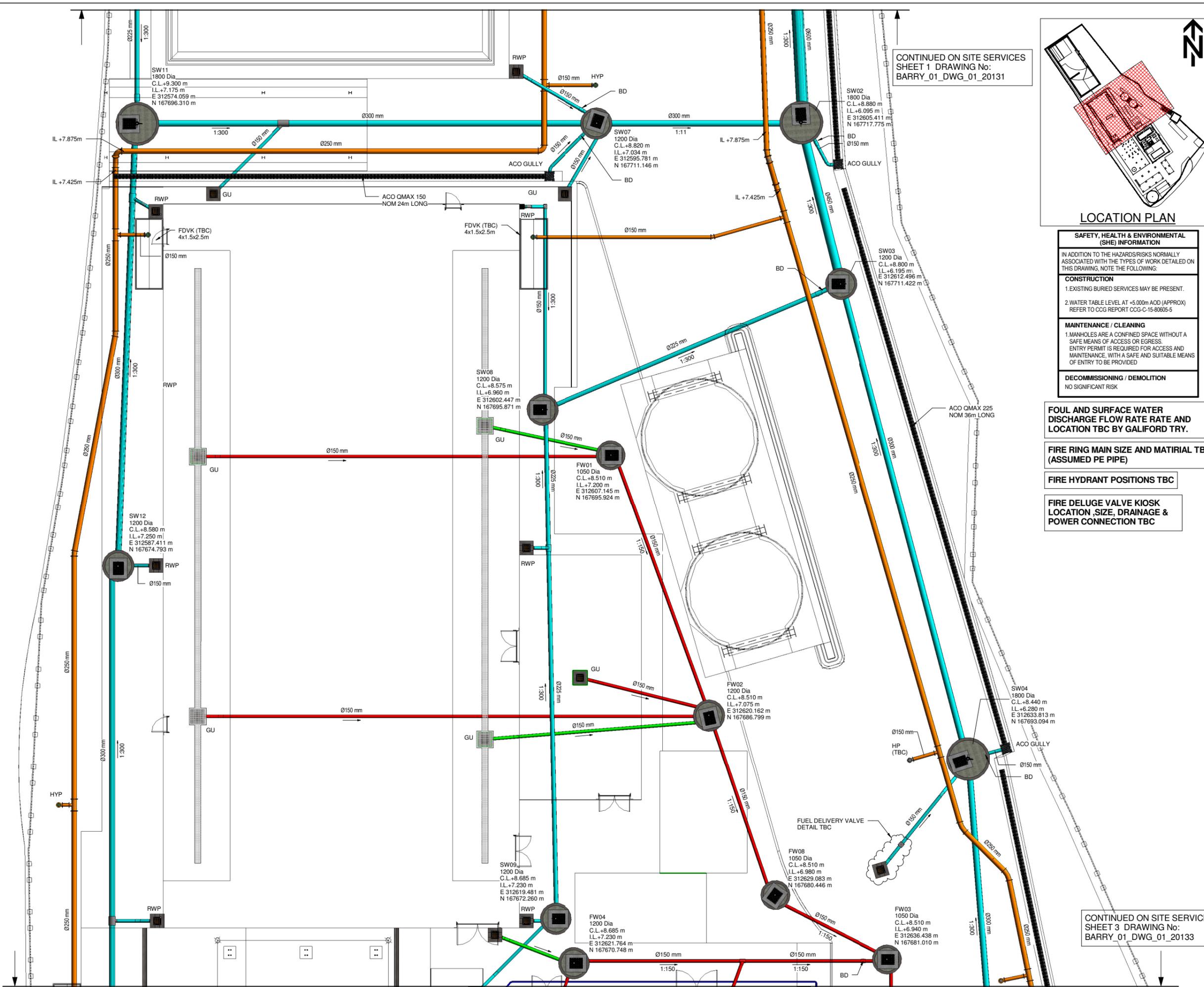
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 51 Brookfield Road  
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 0161 491 4600  
 info@ghdlivigunn.com

CLIENT

PROJECT  
 BARRY BIOMASS UK NO 2 LIMITED

TITLE  
 SITE SERVICES. SHEET 2

SCALE 1:100	DRAWING SIZE A1
DWG No BARRY_01_DWG_01_20132	REV. B

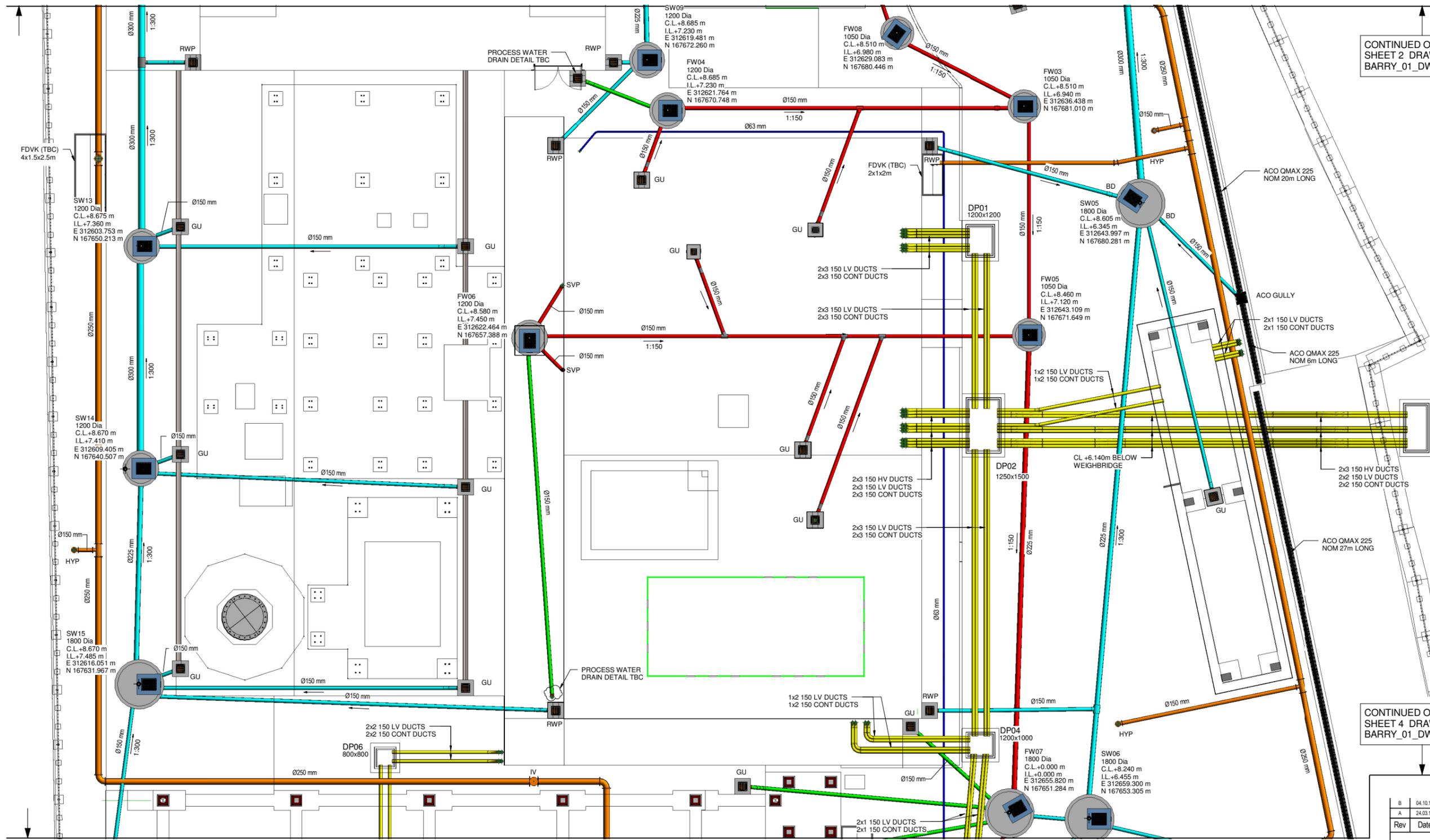


CONTINUED ON SITE SERVICES SHEET 1 DRAWING No: BARRY\_01\_DWG\_01\_20131

CONTINUED ON SITE SERVICES SHEET 3 DRAWING No: BARRY\_01\_DWG\_01\_20133

CONTINUED ON SITE SERVICES SHEET 2 DRAWING No: BARRY\_01\_DWG\_01\_20132

CONTINUED ON SITE SERVICES SHEET 4 DRAWING No: BARRY\_01\_DWG\_01\_20134



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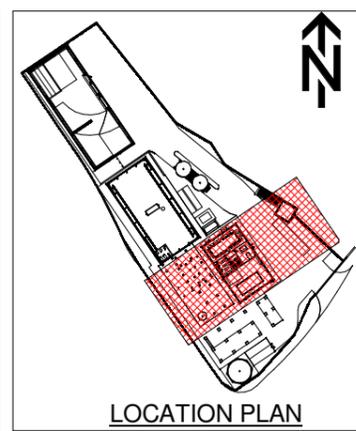
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**PRELIMINARY**

**FIRE DELUGE VALVE KIOSK LOCATION, SIZE, DRAINAGE & POWER CONNECTION TBC**

**FOUL AND SURFACE WATER DISCHARGE FLOW RATE RATE AND LOCATION TBC BY GALIFORD TRY.**

**FIRE RING MAIN SIZE AND MATERIAL TBC (ASSUMED PE PIPE)**

**FIRE HYDRANT POSITIONS TBC**

Rev	Date	Description	By	Chk	App
B	04.10.16	UPDATED FOR ATTENUATION	JW	MS	GB
A	24.03.16	FIRST ISSUE	JW	MS	GB

Revision

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CLIENT  
**GallifordTry**

PROJECT  
**BARRY BIOMASS UK NO 2 LIMITED**

TITLE  
**SITE SERVICES. SHEET 3**

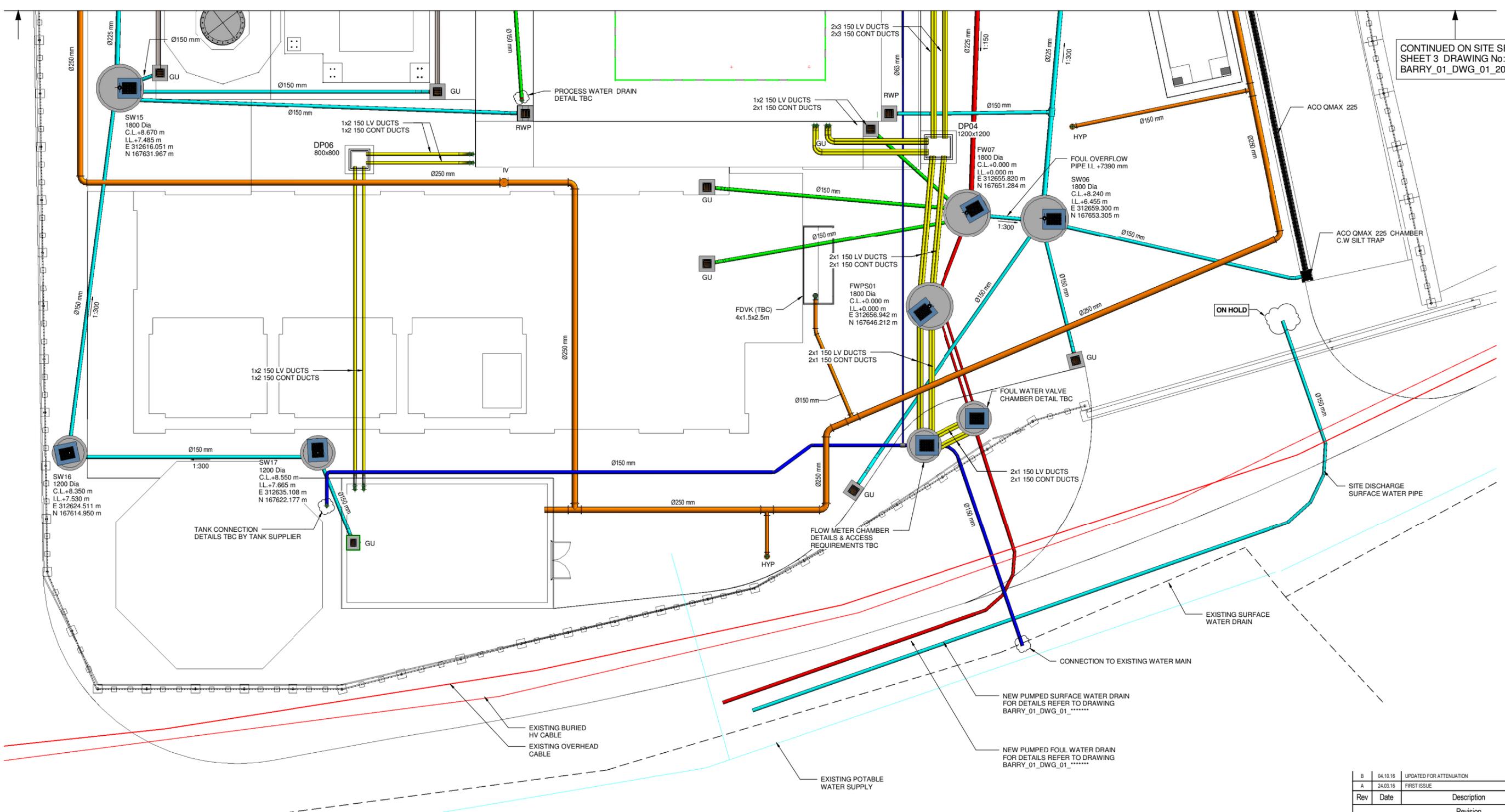
SCALE  
 1:100

DRAWING SIZE  
 A1

DWG No  
 BARRY\_01\_DWG\_01\_20133

REV.  
 B

CONTINUED ON SITE SERVICES SHEET 3 DRAWING No: BARRY\_01\_DWG\_01\_20133



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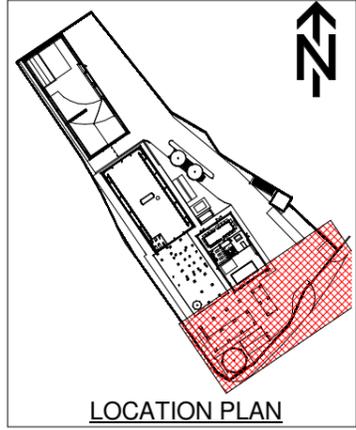
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**DECOMMISSIONING / DEMOLITION**

NO SIGNIFICANT RISK

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**PRELIMINARY**

**FIRE DELUGE VALVE KIOSK LOCATION, SIZE, DRAINAGE & POWER CONNECTION TBC**

**FOUL AND SURFACE WATER DISCHARGE FLOW RATE RATE AND LOCATION TBC BY GALIFORD TRY.**

**FIRE RING MAIN SIZE AND MATERIAL TBC (ASSUMED PE PIPE)**

**FIRE HYDRANT POSITIONS TBC**

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CLIENT  
**GallifordTry**

PROJECT  
**BARRY BIOMASS UK NO 2 LIMITED**

TITLE  
**SITE SERVICES. SHEET 4**

SCALE 1:100	DRAWING SIZE A1
DWG No. BARRY_01_DWG_01_20134	REV. B