NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.

LEGEND:

- PUBLIC FW SEWER
- PUBLIC COMBINED SEWER
- PUBLIC COMBINED RAISING MAIN SEWER
- PRIVATE FW SEWER
- PROPOSED COMBINED RAISING MAIN SEWER DIVERSION

Rev	Date	Description	Drawn	Check	Approv
P01	13/01/23	FOR INFORMATION	LR	PJ	

Client

PROJECT:
FIDDLERS FERRY POWER STATION

Site

Address
City

Client

Company name 1
Company name 2
Address
City and postcode
Phone +44 (0)0 000 00 00
Fax +44 (0)0 000 00 00
client@internet.com
www.client.com

ARCADIS Design & Consultancy for natural and built assets

Registered office:
Arcadis House
34 York Way
London
N1 9AB

Coordinating office:
Unit 17 Innovation Centre
Bridge of Don
Aberdeen AB23 8GX
Tel: 44 (0)1224 822494

www.arcadis.com

TITLE:

EXISTING FOUL WATER DRAINAGE LAYOUT

Designed	L.REES	Signed	Date 13/01/2023
Drawn	L.REES	Signed	Date 13/01/2023
Checked	P.JOHNSON	Signed	Date 13/01/2023
Approved		Signed	Date
Scale:	1:2500	Datum:	AOD
Original Size:	A1	Grid:	OS
Suitability Code:	S2	Project Number:	10057243

Suitability Description:
FOR INFORMATION

Drawing Number: 10057243-ARC-XX-ZZ-SK-CE-5004
Revision: P01

100mm on Original

Print Date: 2023-01-13 16:28:03

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WATER MAINS MAY CLASH WITH PROPOSED PLOT DEVELOPMENTS

WATER MAINS MAY CLASH WITH PROPOSED PLOT DEVELOPMENTS

PUBLIC COMBINED SEWER TO BE DIVERTED AWAY FROM POTENTIAL PLOT DEVELOPMENT

SECTION OF PUBLIC COMBINED RAISING MAIN SEWER TO BE REMOVED

WASHOUT TO BE DIVERT AROUND UNIT 1 DEVELOPMENT

PUBLIC COMBINED SEWER TO BE DIVERTED AWAY FROM POTENTIAL PLOT DEVELOPMENTS AND FOLLOW PROPOSED ACCESS ROADS

PRIVATE FW NETWORK TO BE REMOVED OR BLOCKED

SECTION OF PUBLIC COMBINED SEWER TO BE REMOVED

COMBINED RAISING MAIN SEWER TO BE DIVERTED AWAY FROM POTENTIAL PLOT DEVELOPMENTS

Fiddlers Ferry Power Station

UNIT 1

UNIT 2

UNIT 3

UNIT 4

INSERT

SECTION OF PRIVATE SW TO BE REMOVED OR REDIRECTED

NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED.

LEGEND:

- UNITED UTILITIES - WATER MAIN -DISTRIBUTION MAIN - LIVE
- UNITED UTILITIES - WATER MAIN -DISTRIBUTION MAIN - ABANDONED
- UNITED UTILITIES - WATER MAIN -DISTRIBUTION MAIN - PROPOSED
- UNITED UTILITIES - WATER MAIN -TRUNK MAIN - LIVE
- UNITED UTILITIES - WATER MAIN -COMMS PIPE - LIVE
- UNITED UTILITIES - WATER MAIN -PRIVATE PIPE - LIVE
- UNITED UTILITIES - WATER MAIN -LDTM TREATED WATER - LIVE
- PRIVATE FW SEWER TO BE REMOVED OR BLOCKED
- PUBLIC FW SEWER
- PUBLIC FW SEWER DIVERSION
- PUBLIC COMBINED SEWER
- PUBLIC COMBINED SEWER DIVERSION
- PUBLIC COMBINED SEWER RAISING MAIN
- PUBLIC COMBINED SEWER RAISING MAIN DIVERSION
- PRIVATE SW SEWER
- CANAL
- AQUEDUCT
- 3m CANAL & AQUEDUCT EASEMENT OFFSET

Rev	Date	Description	Drawn	Check	Approv
SK01	26/01/23	FIRST ISSUE	LR	PJ	

Client

PROJECT:
FIDDLERS FERRY POWER STATION

Site
Address
City

Client
Company name 1
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City and postcode
Phone +44 (0)0 000 00 00
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Aberdeen AB23 8GX
Tel: 44 (0)1224 822494

www.arcadis.com

TITLE:

UU ASSET DIVERSION PLAN

Designed	L.REES	Signed	Date 26/01/2023
Drawn	L.REES	Signed	Date 26/01/2023
Checked	P.JOHNSON	Signed	Date 26/01/2023
Approved		Signed	Date
Scale:	1:2500	Datum:	AOD
Original Size:	A1	Grid:	OS
Suitability Code:	S2	Project Number:	10057243

Suitability Description:
PRELIMINARY
Not To Be Used For Construction

Drawing Number: 10057243-ARC-XX-ZZ-SK-CE-5500
Revision: SK01

100mm on Original

Print Date: 2023-01-27 13:33:50

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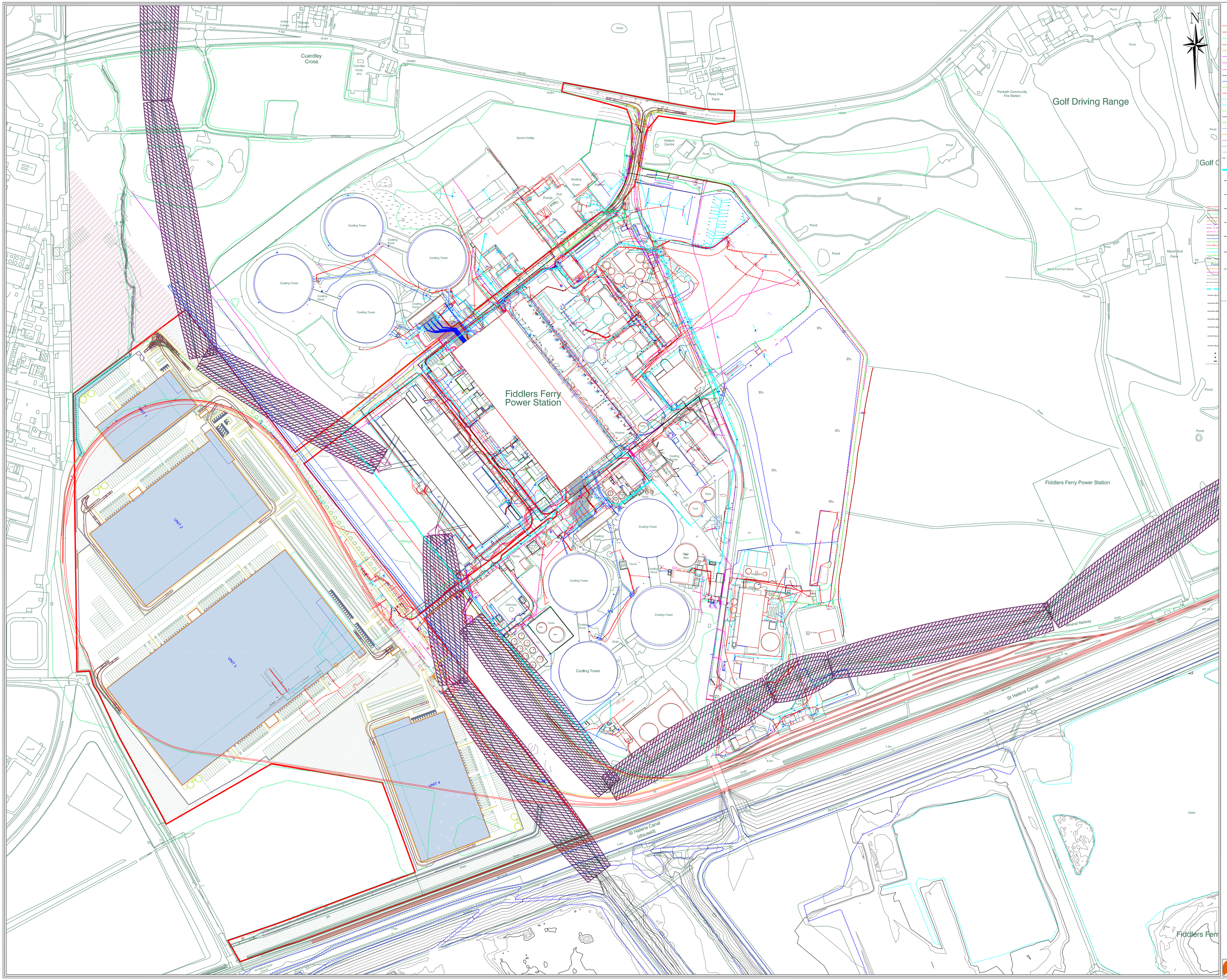


UTILITY KEY

- ELECTRIC CABLE
- HV ELECTRIC CABLE
- ELECTRIC & COMMS CABLE IN SAME DUCT
- EARTHING ROD / CABLE
- TRAFFIC SIGNAL CABLE
- TELECOM CABLE
- TELECOM & COMMS CABLE IN SAME DUCT
- CABLE TELEVISION
- COMMUNICATION CABLE
- WATER PIPE
- GAS PIPE
- FOUL DRAINAGE
- CONTAMINATED SURFACE
- SURFACE DRAINAGE
- COMBINED DRAINAGE
- PUMPING MAIN
- FUEL PIPE
- VENT PIPE
- HEATING PIPES
- UNIDENTIFIED
- EMPTY DUCTS
- SERVICE DUCTS
- TRENCH SCAR
- GROUND DEPRESSION
- SURVEY BOUNDARY

- QL-A — HORIZONTAL AND VERTICAL LOCATION OF THE UTILITY VISUALLY DETECTED ABOVE GROUND OR LOCATED WITHIN TRIAL PITS, IC, MH'S ETC
- B1 — HORIZONTAL AND VERTICAL LOCATION OF THE UTILITY DETECTED BY MULTIPLE GEOPHYSICAL TECHNIQUES USED
- B2 — HORIZONTAL AND VERTICAL LOCATION OF THE UTILITY DETECTED BY ONE GEOPHYSICAL TECHNIQUES USED
- B3 — HORIZONTAL LOCATION ONLY OF THE UTILITY DETECTED BY ONE GEOPHYSICAL TECHNIQUES USED (PASSIVE)
- B4 — A UTILITY SEGMENT WHICH IS SUSPECTED TO EXIST BUT HAS NOT BEEN DETECTED AND IS THEREFORE SHOWN AS AN ASSUMED ROUTE.
- QL-C — A SEGMENT OF UTILITY WHOSE LOCATION IS DEMONSTRATED BY VISUAL REFERENCE TO STREET FURNITURE, TOPOGRAPHICAL FEATURES OR EVIDENCE OF PREVIOUS STREET WORKS.
- QL-D — A SEGMENT OF UTILITY WHOSE LOCATION CANNOT BE DEMONSTRATED BY VISUAL REFERENCE TO STREET FURNITURE OR TOPOGRAPHICAL FEATURES AND HAS BEEN DERIVED SOLELY FROM RECORD PLANS

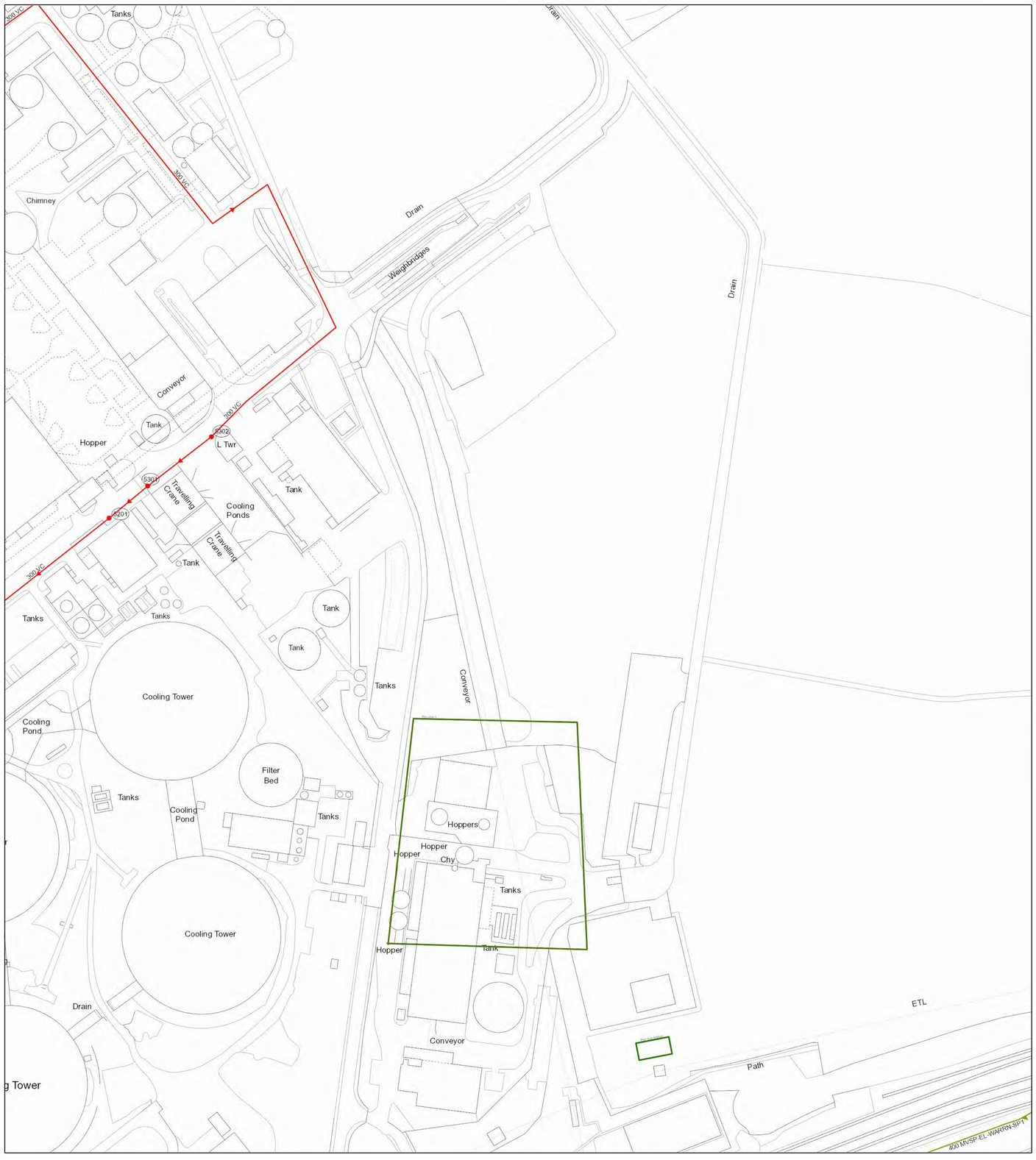
- CABLE / PIPE RISER
- BACKDROP / TRAPPED EXIT
- DRAINAGE VALVE
- END OF TRACE
- HEAD OF RUN / CAPPED
- PIPE INLET / OUTFALL

COAL YARD MASTERPLAN (REV E)
WITH EXISTING SITE SERVICES

SCALE: 1:1750
18 NOV 2022

PREPARED BY PJ

ARCADIS Design & Consultancy for natural and built assets



Refno	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad
5301		CO	0	300			VC	27.76482	
5201		CO	0	300			VC	100.6311	
5201		CO	0	300			VC	100.6311	
5302		CO	0	300			VC	44.70983	

Refno	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad

LEGEND

Abandoned | Foul | Surface Water | Combined

- Public Sewer
- Private Sewer
- Section 104
- Rising Main
- Sludge Main
- Overflow
- Water Course
- Highway Drain

All point assets follow the standard colour convention:

red - combined blue - surface water
brown - foul purple - overflow

- Manhole
- Head of System
- Extent of Survey
- Rodding Eye
- Inlet
- Discharge Point
- Vortex
- Penstock
- Washout Chamber
- Valve
- Air Valve
- Non Return Valve
- Soakaway
- Gully
- Cascade
- Flow Meter
- Hatch Box
- Oil Interceptor
- Summit
- Drop Shaft
- Orifice Plate
- Side Entry Manhole
- Outfall
- Screen Chamber
- Inspection Chamber
- Bifurcation Chamber
- Lamp Hole
- T Junction / Saddle
- Catchpit
- Valve Chamber
- Vent Column
- Vortex Chamber
- Penstock Chamber
- Network Storage Tank
- Sewer Overflow
- Ww Treatment Works
- Ww Pumping Station
- Septic Tank
- Control Kiosk
- Change of Characteristic

MANHOLE FUNCTION

FO	Foul
SW	Surface Water
CO	Combined
OV	Overflow

SEWER SHAPE

CI	Circular	TR	Trapezoidal
EG	Egg	AR	Arch
OV	Oval	BA	Barrel
FT	Flat Top	HO	HorseShoe
RE	Rectangular	UN	Unspecified
SQ	Square		

SEWER MATERIAL

AC	Asbestos Cement
BR	Brick
PE	Polyethylene
RP	Reinforced Plastic Matrix
CO	Concrete
CSB	Concrete Segment Bolted
CSU	Concrete Segment Unbolted
CC	Concrete Box Culverted
PSC	Plastic / Steel Composite
GRC	Glass Reinforecd Plastic
DI	Ductile Iron
PVC	Polyvinyl Chloride
CI	Cast Iron
SI	Spun Iron
ST	Steel
VC	Vitrified Clay
PP	Polypropylene
PF	Pitch Fibre
MAC	Masonry, Coursed
MAR	Masonry, Random
U	Unspecified

Address or Site Reference:

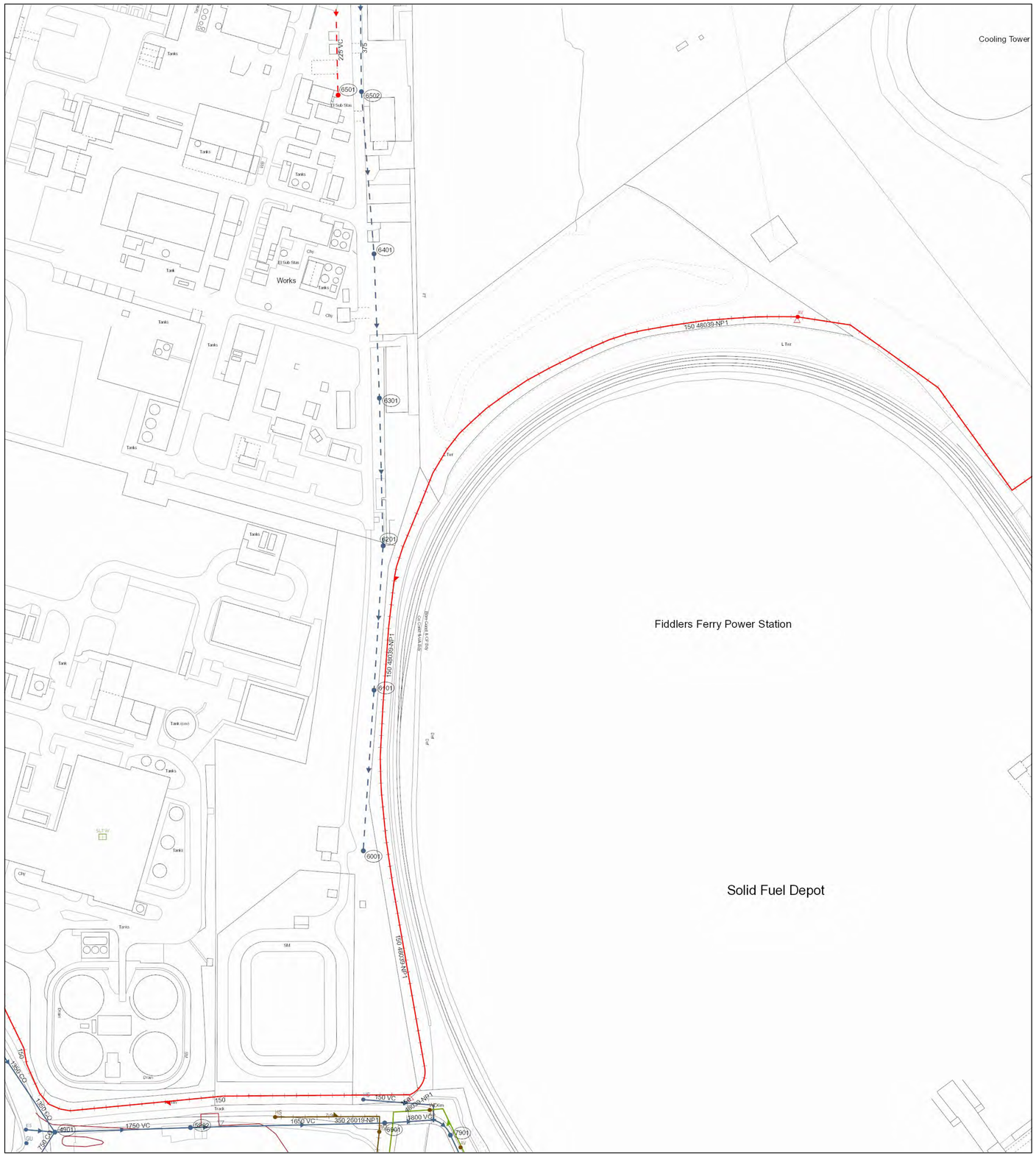
Fiddlers Ferry Power Station,

OS sheet Number: SJ5486SE
Scale: 1:1250 **Date:** 12/01/2021
Nodes: 4
Sheet: 16 of 30

Printed by: Property Searches

SEWER RECORDS

United Utilities
Water for the North West



The position of the underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. United Utilities Water will not accept liability for any loss or damage caused by the actual position being different from those shown.

Refno	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad
6502		SW		0			UN	90.27181	1 in
6502		SW		0			UN	90.27181	1 in
6901		SW	0	1800			VC	27.04186	
6901		SW	0	1800			VC	27.04186	
5902		SW	0	1750			VC	16.85262	
5902		SW	0	1750			VC	16.85262	
6101		SW		0			UN	89.20202	1 in
6301		SW		0			UN	82.02438	1 in
6604		SW		375				92.00543	1 in
6401		SW		0			UN	80.05623	1 in
6201		SW		0			UN	80.1561	1 in
7901		SW		2800			CC	167.3048	
7901		SW		2800			CC	167.3048	
6602		CO		225			VC	90.02222	1 in
4901		SW	0	1750			VC	75.19628	
4901		SW	0	1750			VC	75.19628	
4906		SW	-5.71	750			CO	30.58413	

Refno	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad

LEGEND

Abandoned | Foul | Surface Water | Combined

- Public Sewer
- Private Sewer
- Section 104
- Rising Main
- Sludge Main
- Overflow
- Water Course
- Highway Drain

All point assets follow the standard colour convention:

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- Vortex
- Penstock
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- Non Return Valve
- Soakaway
- Gully
- Cascade
- Flow Meter
- Hatch Box
- Oil Interceptor
- Summit
- Drop Shaft
- Orifice Plate
- Side Entry Manhole
- Outfall
- Screen Chamber
- Inspection Chamber
- Bifurcation Chamber
- Lamp Hole
- T Junction / Saddle
- Catchpit
- Valve Chamber
- Vent Column
- Vortex Chamber
- Penstock Chamber
- Network Storage Tank
- Sewer Overflow
- Ww Treatment Works
- Ww Pumping Station
- Septic Tank
- Control Kiosk
- Change of Characteristic

MANHOLE FUNCTION

FO	Foul
SW	Surface Water
CO	Combined
OV	Overflow

SEWER SHAPE

CI	Circular	TR	Trapezoidal
EG	Egg	AR	Arch
OV	Oval	BA	Barrel
FT	Flat Top	HO	HorseShoe
RE	Rectangular	UN	Unspecified
SQ	Square		

SEWER MATERIAL

AC	Asbestos Cement
BR	Brick
PE	Polyethylene
RP	Reinforced Plastic Matrix
CO	Concrete
CSB	Concrete Segment Bolted
CSU	Concrete Segment Unbolted
CC	Concrete Box Culverted
PSC	Plastic / Steel Composite
GRC	Glass Reinforced Plastic
DI	Ductile Iron
PVC	Polyvinyl Chloride
CI	Cast Iron
SI	Spun Iron
ST	Steel
VC	Vitrified Clay
PP	Polypropylene
PF	Pitch Fibre
MAC	Masonry, Coursed
MAR	Masonry, Random
U	Unspecified

Address or Site Reference:

Fiddlers Ferry Power Station,

OS sheet Number: SJ5386SE
Scale: 1:1250 **Date:** 12/01/2021
Nodes: 17
Sheet: 2 of 30

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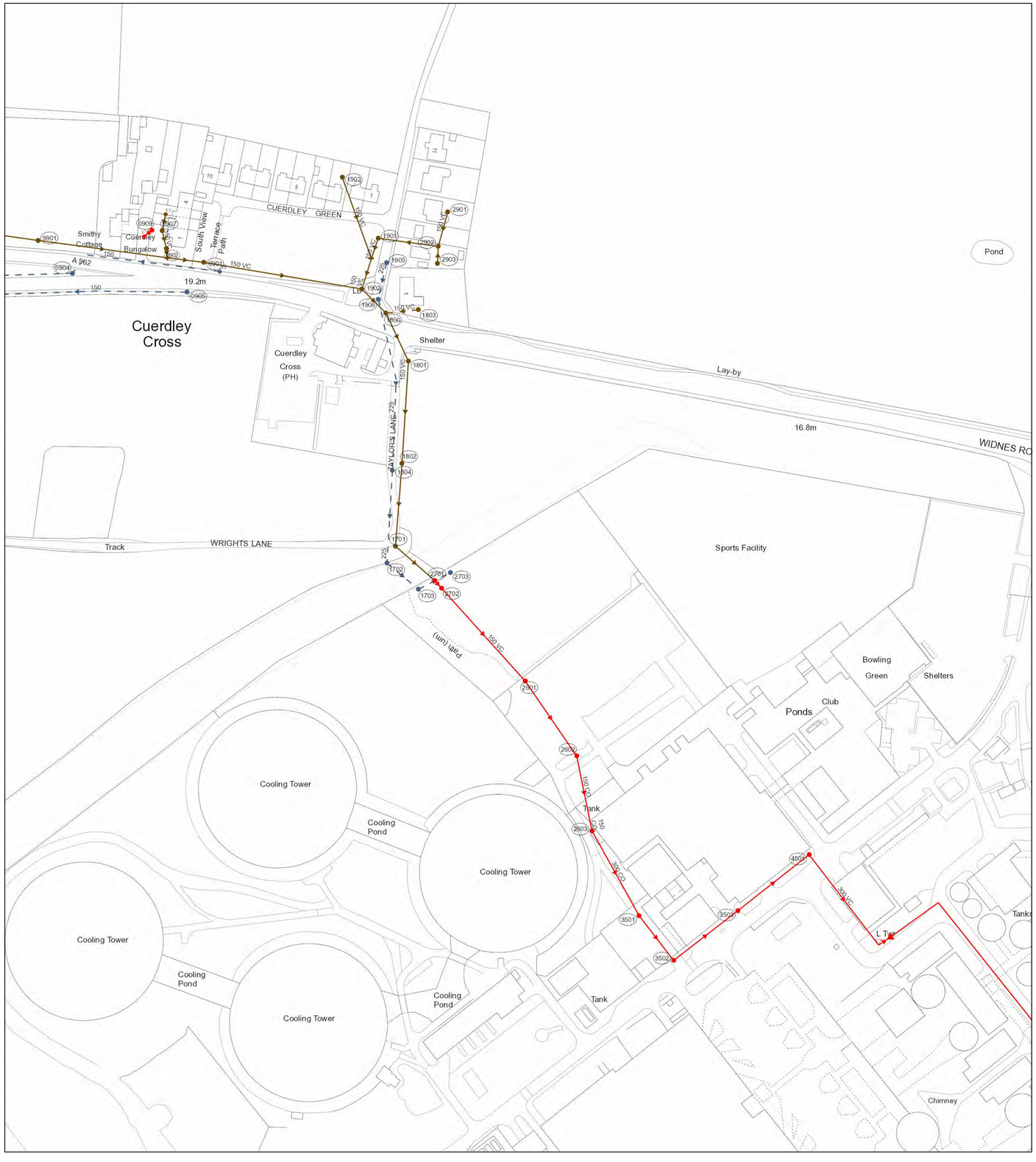
SEWER RECORDS

United Utilities
Water for the North West



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Refno	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad
2601		CO	0	150			VC	50.54364	
1902		FO	0	150			VC	18.92925	
3502		CO	0	300			VC	44.96948	
3502		CO	0	300			VC	44.96948	
2901		FO	0	150			VC	19.8945	
3501		CO	0	300			VC	31.35073	
3501		CO	0	300			VC	31.35073	
0907		FO		150			VC	10.18898	
2902		FO	0	150			VC	33.63778	
1906		SW		225				95.91545	
2602		CO	0	150			CO	42.37133	
2903		FO	0	150			VC	9.522106	
1901		FO	0	150			VC	11.84274	
1800		FO	0	150			VC	29.43406	
2603		CO	0	300			CO	53.85392	
8901		FO	0	150			VC	113.577	
0905		SW		150				122.4561	
0904		SW		150				101.027	
0904		SW		150				101.027	
1801		FO	0	150			VC	56.66943	
1905		SW		225				20.74397	
0909		CO		100			VC	5.552047	
1903		FO	0	150			VC	47.9879	
9901		FO	0	150			VC	72.46407	
9901		FO	0	150			VC	72.46407	
0901		FO	0	150			VC	88.96629	
1803		FO		150			VC	18.08901	1 in
0902		FO	0	150			VC	5.141255	
1804		SW		225				51.58789	
3503		CO	0	300			VC	50.34909	
3503		CO	0	300			VC	50.34909	
1702		SW		0			UN	22.74542	
1802		FO	0	150			VC	46.11626	
2701		CO	0	150			VC	5.610561	
4501		CO	0	300			VC	63.24686	
2702		CO	0	150			VC	69.09688	
1701		FO	0	150			VC	29.07488	
1703		SW		0			UN	19.94471	

Refno	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad

LEGEND

Abandoned	Foul	Surface Water	Combined	
				Public Sewer
				Private Sewer
				Section 104
				Rising Main
				Sludge Main
				Overflow
				Water Course
				Highway Drain

All point assets follow the standard colour convention:
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- Manhole
- Head of System
- Extent of Survey
- Rodding Eye
- Inlet
- Discharge Point
- Vortex
- Penstock
- Washout Chamber
- Valve
- Air Valve
- Non Return Valve
- Soakaway
- Gully
- Cascade
- Flow Meter
- Hatch Box
- Oil Interceptor
- Summit
- Drop Shaft
- Orifice Plate
- Side Entry Manhole
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- Screen Chamber
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- Lamp Hole
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- Catchpit
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- Vent Column
- Vortex Chamber
- Penstock Chamber
- Network Storage Tank
- Sewer Overflow
- Ww Treatment Works
- Ww Pumping Station
- Septic Tank
- Control Kiosk
- Change of Characteristic

MANHOLE FUNCTION

FO	Foul
SW	Surface Water
CO	Combined
OV	Overflow

SEWER SHAPE

CI	Circular	TR	Trapezoidal
EG	Egg	AR	Arch
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MAC	Masonry, Coursed
MAR	Masonry, Random
U	Unspecified

Address or Site Reference:

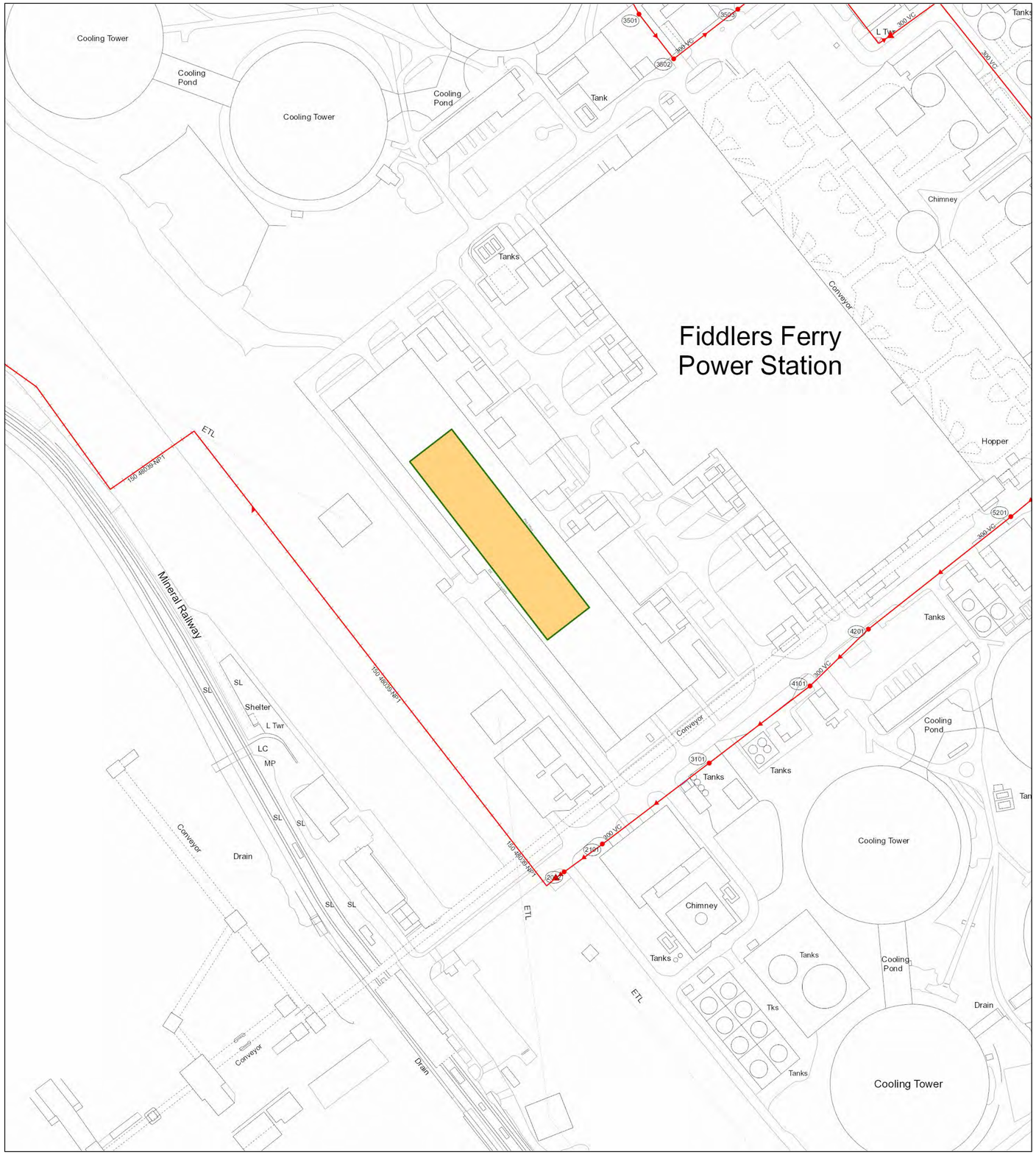
Fiddlers Ferry Power Station,

OS sheet Number: SJ5486NW
Scale: 1:1250 **Date:** 12/01/2021
Nodes: 38
Sheet: 7 of 30

Printed by: Property Searches

SEWER RECORDS

United Utilities
Water for the North West



Refno	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad
3502		CO	0	300			VC	44.96948	
3502		CO	0	300			VC	44.96948	
2101		CO	0	300			VC	26.21955	
2603		CO	0	300			CO	53.85392	
5201		CO	0	300			VC	100.6311	
5201		CO	0	300			VC	100.6311	
3501		CO	0	300			VC	31.35073	
3501		CO	0	300			VC	31.35073	
3101		CO	0	300			VC	74.24372	
5301		CO	0	300			VC	27.76482	
4101		CO	0	300			VC	70.49085	
4201		CO	0	300			VC	45.25892	
4501		CO	0	300			VC	63.24686	
3503		CO	0	300			VC	50.34909	
3503		CO	0	300			VC	50.34909	
2101		CO		300			VC	5.64247	

Refno	Cover	Func	Invert	Size x	Size y	Shape	Matl	Length	Grad

LEGEND

Abandoned	Foul	Surface Water	Combined	
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MANHOLE FUNCTION

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OV	Overflow

SEWER SHAPE

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PVC	Polyvinyl Chloride
CI	Cast Iron
SI	Spun Iron
ST	Steel
VC	Vitrified Clay
PP	Polypropylene
PF	Pitch Fibre
MAC	Masonry, Coursed
MAR	Masonry, Random
U	Unspecified

Address or Site Reference:

Fiddlers Ferry Power Station,

OS sheet Number: SJ5486SW
Scale: 1:1250 **Date:** 12/01/2021
Nodes: 16
Sheet: 8 of 30

Printed by: Property Searches

SEWER RECORDS

United Utilities
Water for the North West