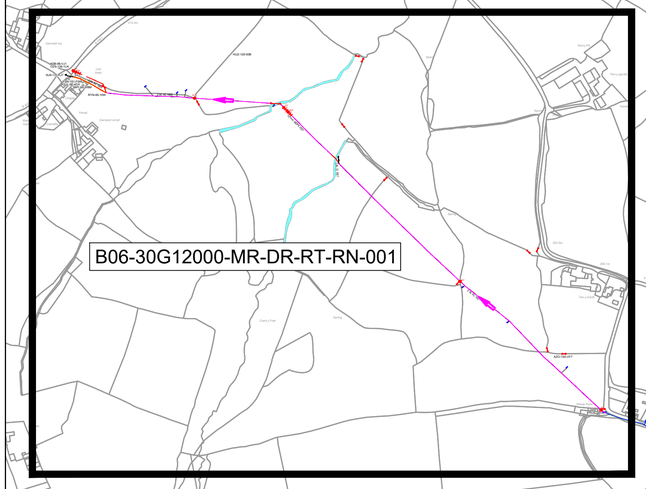
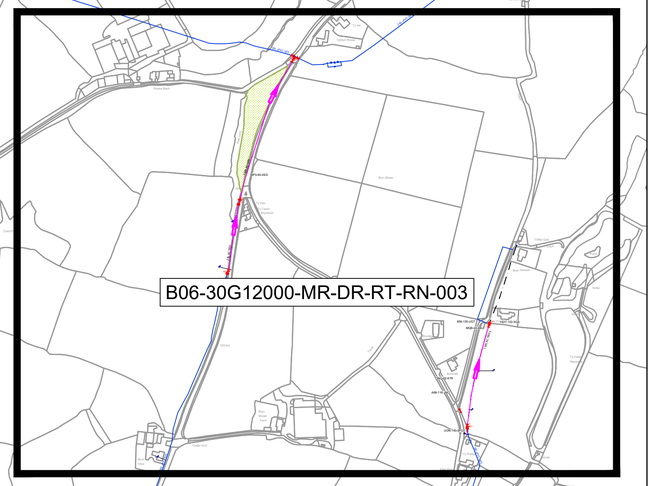
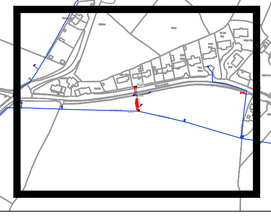


B06-30G12000-MR-DR-RT-RN-001



B06-30G12000-MR-DR-RT-RN-003



B06-30G12000-MR-DR-RT-RN-002

LOCATION PLAN
SCALE: NTS
GRID REF: 304448, 362794

POST CODE: LL16 4TD

REV.	DRN.	DESCRIPTION	RVD.	CHK.	APP.	DATE
DP01	HP	DETAILED DESIGN - FOR PRICING	HP	JH	RT	10/06/26

Cynghrair Rhwydwaith Dŵr
Water Network Alliance

Project Name:
AMP8 - YR2 - MAINS RENEWAL
B06 DENBIGH - FOELAS

Drawing Title:
OVERVIEW PLAN

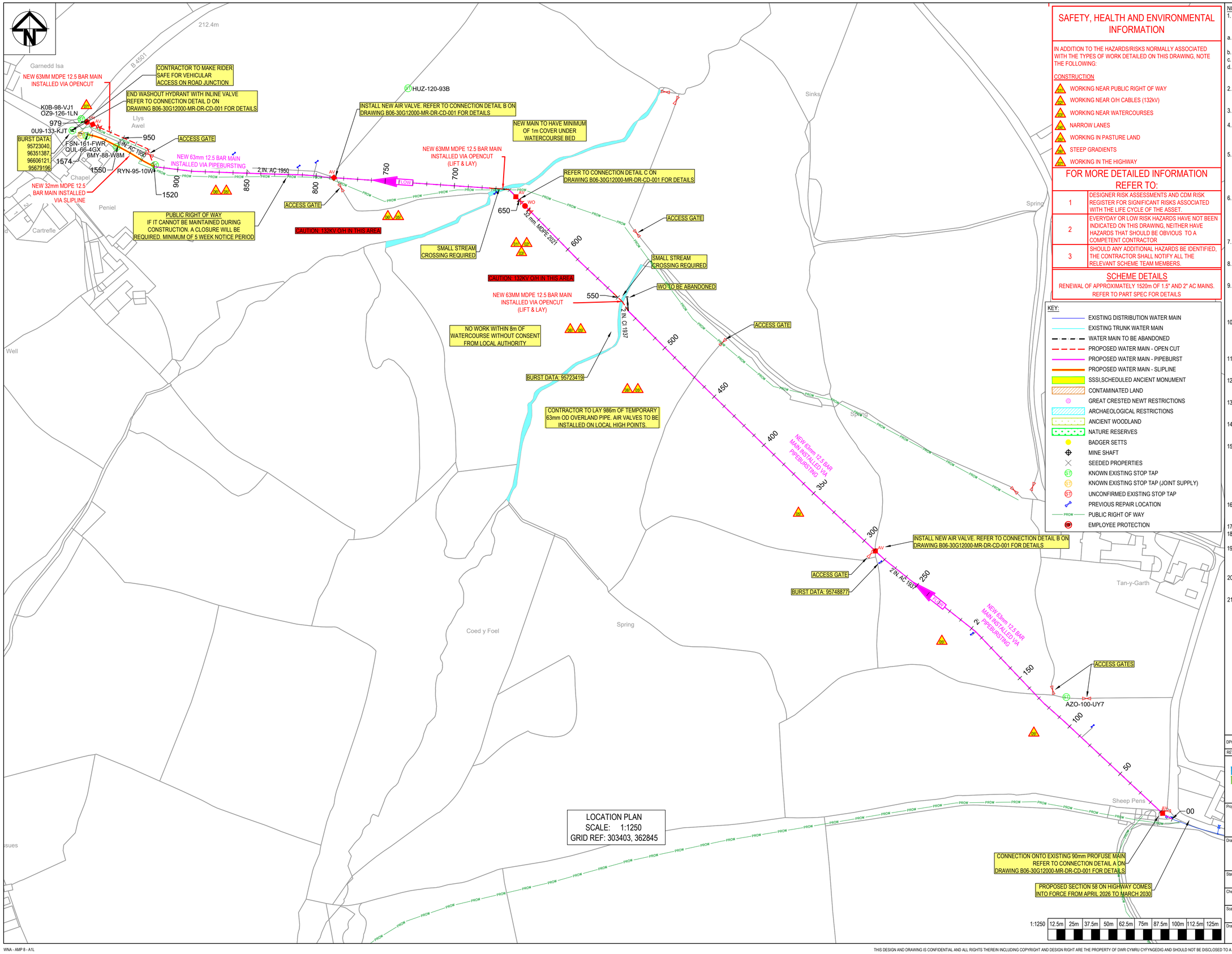
Status Description:
DETAILED DESIGN - FOR PRICING

Checked:	Approved:	Date:
J. HOUSTON	R. TEESDALE	10/06/2026
Scale: NTS @A1	Designer: N. MORGAN	Rev.: DP01

Drawing Number:
B06-30G12000-MR-DR-RT-RN-000

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LOCATION PLAN
SCALE: 1:1250
GRID REF: 303403, 362845

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:

CONSTRUCTION

- A01 WORKING NEAR PUBLIC RIGHT OF WAY
- A02 WORKING NEAR O/H CABLES (132kV)
- A03 WORKING NEAR WATERCOURSES
- A04 NARROW LANES
- A05 WORKING IN PASTURE LAND
- A07 STEEP GRADIENTS
- A08 WORKING IN THE HIGHWAY

FOR MORE DETAILED INFORMATION REFER TO:

1	DESIGNER RISK ASSESSMENTS AND CDM RISK REGISTER FOR SIGNIFICANT RISKS ASSOCIATED WITH THE LIFE CYCLE OF THE ASSET.
2	EVERYDAY OR LOW RISK HAZARDS HAVE NOT BEEN INDICATED ON THIS DRAWING, NEITHER HAVE HAZARDS THAT SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR
3	SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED, THE CONTRACTOR SHALL NOTIFY ALL THE RELEVANT SCHEME TEAM MEMBERS.

SCHEME DETAILS

RENEWAL OF APPROXIMATELY 1520m OF 1.5" AND 2" AC MAINS. REFER TO PART SPEC FOR DETAILS

KEY:

- EXISTING DISTRIBUTION WATER MAIN
- EXISTING TRUNK WATER MAIN
- WATER MAIN TO BE ABANDONED
- PROPOSED WATER MAIN - OPEN CUT
- PROPOSED WATER MAIN - PIPEBURST
- PROPOSED WATER MAIN - SLIPLINE
- SSSI,SCHEDULED ANCIENT MONUMENT
- CONTAMINATED LAND
- GREAT CRESTED NEWT RESTRICTIONS
- ARCHAEOLOGICAL RESTRICTIONS
- ANCIENT WOODLAND
- NATURE RESERVES
- BADGER SETTS
- MINE SHAFT
- SEEDED PROPERTIES
- KNOWN EXISTING STOP TAP
- KNOWN EXISTING STOP TAP (JOINT SUPPLY)
- UNCONFIRMED EXISTING STOP TAP
- PREVIOUS REPAIR LOCATION
- PROW PUBLIC RIGHT OF WAY
- EMPLOYEE PROTECTION

NOTES:

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   a. THE CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY REVISION 8 (CESWI 8).
   b. DCWW STANDARD DETAIL DRAWINGS.
   c. DCWW CIVIL ENGINEERING SPECIFICATION (CS501).
   d. ALL WORK IN PRIVATE LAND IS TO BE CARRIED OUT IN ACCORDANCE WITH DCWW'S CODE OF PRACTICE FOR PIPELAYING.
2. LEVELS AND DISTANCES ARE TO BE VERIFIED ON SITE BY CONTRACTOR. ANY SIGNIFICANT DEVIATION FROM THAT SHOWN SHOULD BE REFERRED BACK TO THE ENGINEER FOR COMMENT.
3. ALL ABANDONED MAINS AND ASSOCIATED APPARATUS REMAIN UNDER THE OWNERSHIP AND LIABILITY OF DCWW.
4. ALL REDUNDANT APPARATUS TO BE ABANDONED IN ACCORDANCE WITH DCWW CIVIL ENGINEERING SPECIFICATION ALL AFFECTED AREAS REINSTATED TO MATCH SURROUNDING AREA AND SURFACES.
5. NO HEDGEROWS ARE TO BE REMOVED ON THIS PROJECT. IF HEDGEROW REMOVAL IS FOUND TO BE UNAVOIDABLE, THE CONTRACTOR IS TO CONTACT THE DESIGNER IN ADVANCE FOR FURTHER GUIDANCE. ALSO, DISTURBANCE TO TREES & HEDGEROWS IS TO BE AVOIDED DURING THE BIRD NESTING SEASON OF 1ST MARCH TO 31ST AUGUST.
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7. UTILITY INFORMATION SHOWN OF THIS DRAWING IS A GUIDE ONLY, DCWW HOLD NO LIABILITY FOR THE INFORMATION PROVIDED, CONTRACTOR SHOULD REFER TO NOTE 7.
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14. DCWW PERMIT TO WORK - CONTRACTOR TO ENSURE DCWW PTW IS IN PLACE PRIOR TO UNDERTAKING WORK ON OR NEAR TO EXISTING MAINS IN ACCORDANCE WITH HSP 124.
15. SERVICE TRANSFERS: THE CONTRACTOR IS TO ALLOW FOR THE TRANSFER OF ALL SERVICE CONNECTIONS FROM THE EXISTING MAINS TO THE PROPOSED MAIN. NEW PIPES TO BE 25 mm MDPE (UNLESS SPECIFIED OTHERWISE ON THE DRAWING), TO BE INSTALLED BY OPEN CUT, MOLING OR SLIP LINING AS APPROPRIATE. ESTIMATED 28 NUMBER OF SERVICE TRANSFERS -LOCATION OF CONNECTIONS TO BE DETERMINED BY THE CONTRACTOR ON SITE.
16. FLEXIBLE FITTINGS INSIDE CONCRETE TO BE WRAPPED WITH REG 31 APPROVED TAPE TO PREVENT CONCRETE COMING INTO CONTACT WITH RUBBER SEALS.
17. ALL FLANGES TO BE PN16 RATED
18. WORKING PRESSURE ON THIS PROJECT IS 10 BAR. TEST PRESSURE IS 15 BAR AT THE LOWEST POINT.
19. ALL WORKS ADJACENT TO TREES ARE TO BE IN ACCORDANCE WITH NJUG VOL 4 2007. ANY WORKS ADJACENT TO TREES WITH A TPO IS TO BE AGREED WITH THE LOCAL AUTHORITY PRIOR TO THE WORKS.
20. THE CONTRACTOR IS TO INSTALL FIELD MARKER POSTS AT EITHER SIDE OF A HEDGE OR FIELD BOUNDARY. MARKER POSTS ARE TO BE IN COMPLIANCE WITH STANDARD DETAIL SDC2004/00
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POST CODE: LL16 4TD

REV.	DRN.	DESCRIPTION	RVD.	CHK.	APP.	DATE
DP01	HP	DETAILED DESIGN - FOR PRICING	HP	JH	RT	10/06/26

Cynghrair Rhwydwaith Dŵr
Water Network Alliance

Project Name:
AMP8 - YR2 - MAINS RENEWAL
B06 DENBIGH - FOELAS

Drawing Title:
RENEWAL PLAN
(SHEET 1 OF 3)

Status Description:
DETAILED DESIGN - FOR PRICING

Checked:	Approved:	Date:
J. HOUSTON	R. TEESDALE	10/06/2026

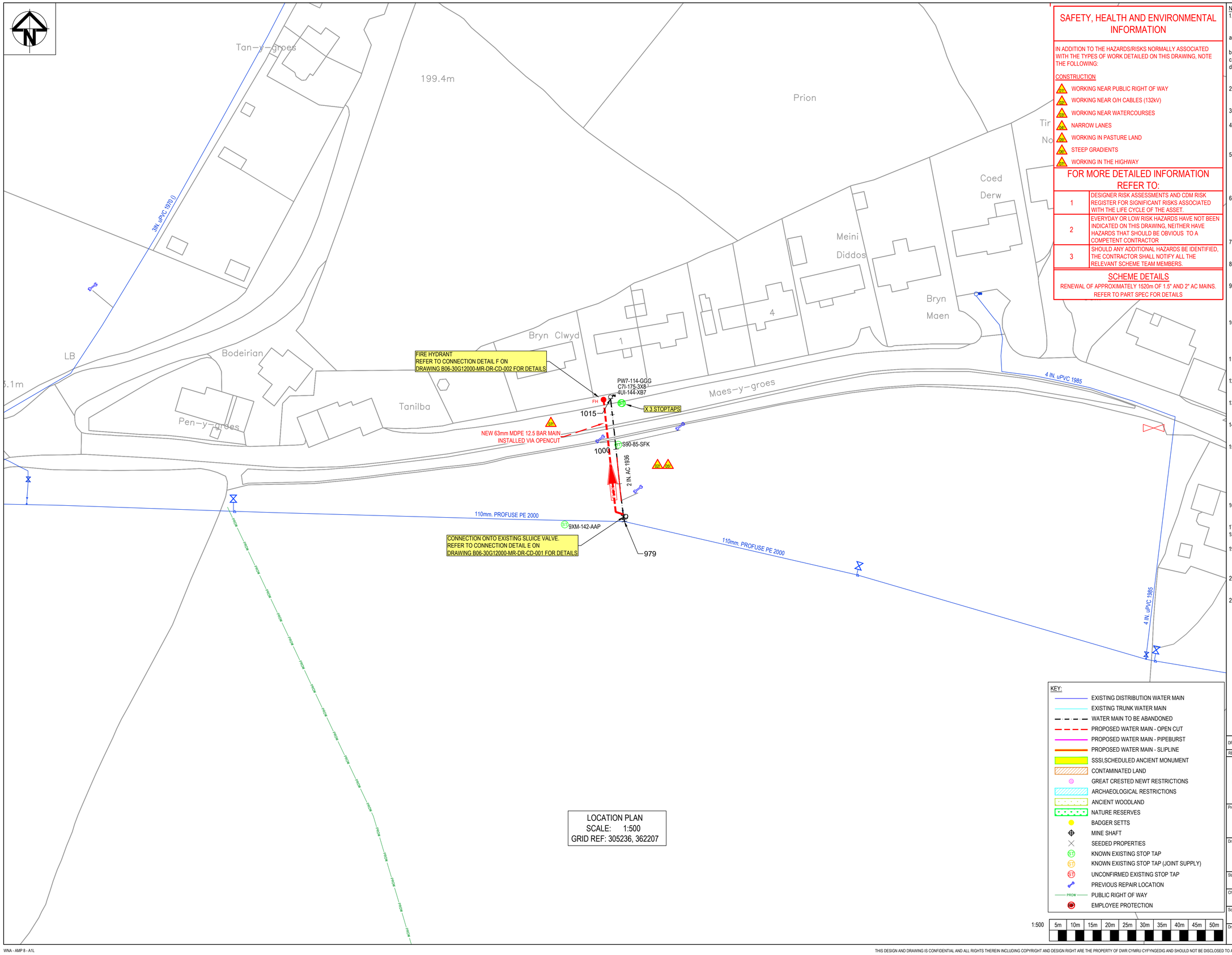
Scale:	Designer:	Rev.:
1:1250 @A1	N. MORGAN	DP01

Drawing Number:
B06-30G12000-MR-DR-RT-RN-001

1:1250 | 12.5m | 25m | 37.5m | 50m | 62.5m | 75m | 87.5m | 100m | 112.5m | 125m

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LOCATION PLAN
SCALE: 1:500
GRID REF: 305236, 362207

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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CONSTRUCTION

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SCHEME DETAILS

RENEWAL OF APPROXIMATELY 1520m OF 1.5" AND 2" AC MAINS.
REFER TO PART SPEC FOR DETAILS

KEY:

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- PREVIOUS REPAIR LOCATION
- PROW PUBLIC RIGHT OF WAY
- EMPLOYEE PROTECTION

1:500 | 5m | 10m | 15m | 20m | 25m | 30m | 35m | 40m | 45m | 50m

NOTES:

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POST CODE: LL16 4TD

REV.	DRN.	DESCRIPTION	RVD.	CHK.	APP.	DATE
DP01	HP	DETAILED DESIGN - FOR PRICING	HP	JH	RT	10/06/26

Cynghrair Rhwydwaith Dŵr
Water Network Alliance

Project Name:
AMP8 - YR2 - MAINS RENEWAL
B06 DENBIGH - FOELAS

Drawing Title:
RENEWAL PLAN
(SHEET 2 OF 3)

Status Description:
DETAILED DESIGN - FOR PRICING

Checked:	Approved:	Date:
J. HOUSTON	R. TEESDALE	10/06/2026
Scale: 1:500 @A1	Designer: N. MORGAN	Rev.: DP01

Drawing Number:
B06-30G12000-MR-DR-RT-RN-002

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SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

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CONSTRUCTION

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SCHEME DETAILS

RENEWAL OF APPROXIMATELY 1520m OF 1.5" AND 2" AC MAINS.
REFER TO PART SPEC FOR DETAILS

CONNECTION ONTO EXISTING 2" UPVC MAIN
REFER TO CONNECTION DETAIL I ON
DRAWING B06-30G12000-MR-DR-CD-002 FOR DETAILS

2IN. uPVC 1970

1353

1350

CONTRACTOR TO MAKE RIDER SAFE FOR VEHICULAR ACCESS ON ROAD JUNCTION

1300

RESTORED ANCIENT WOODLAND

1250

CONTRACTOR TO LAY 341m OF TEMPORARY 63mm OD OVERLAND PIPE. AIR VALVES TO BE INSTALLED ON LOCAL HIGH POINTS AND EVERY 500m.

NEW 90mm PROPOSE SDR17 MAIN INSTALLED VIA PIPEBURSTING

1200

1.5IN. AC 1970

BP3-90-XES

SECTION 58 CURRENTLY ON HIGHWAY UNTIL JANUARY 2027

BURST DATA: 97032038

1150

LARGE TREES IN VICINITY NO EXCAVATION IN RPA

FIRE HYDRANT & AIR VALVE
REFER TO CONNECTION DETAIL H ON
DRAWING B06-30G12000-MR-DR-CD-002 FOR DETAILS

1100

X 3 UNKNOWN STOPTAPS

2.IN. AC 1970

1050

CONNECTION ONTO EXISTING 3" UPVC MAIN
REFER TO CONNECTION DETAIL G ON
DRAWING B06-30G12000-MR-DR-CD-002 FOR DETAILS

1015

163.9m

BURST DATA: 96681874

3IN. uPVC 1970

Cattle Grid

Bryn Haul

Bryn Mulan Farm

Rossa Bach

Ty Isa

Tyddyn Rossa

Ty Pen

Ty Canol Bryntirion

Bryn Mulan

Path (um)

Track

LOCATION OF EXISTING COMMS PIPE AS CONFIRMED ON SITE WALKOVER

Cattle Grid

Track

Pond

Bryn Derwen

Sinks

Bryn Meifod

Sluice

859-135-UGT

MQB-46-BBJ

HDY-122-XG6

1520

END WASHOUT HYDRANT WITH INLINE VALVE
REFER TO CONNECTION DETAIL K ON
DRAWING B06-30G12000-MR-DR-CD-002 FOR DETAILS

1500

1.5IN. AC 1990 (I)

PUBLIC RIGHT OF WAY
IF IT CANNOT BE MAINTAINED DURING CONSTRUCTION. A CLOSURE WILL BE REQUIRED. MINIMUM OF 5 WEEK NOTICE PERIOD

Brynteg

Ty-mawr Reservoir

1450

Bronrallt

3NQ-62-K78

CONTRACTOR TO LAY 174m OF TEMPORARY 63mm OD OVERLAND PIPE. AIR VALVES TO BE INSTALLED ON LOCAL HIGH POINTS.

A68-116-JNO

NEW 63MM MDPE 12.5 BAR MAIN INSTALLED VIA PIPEBURSTING

1400

CONNECTION ONTO EXISTING SLUICE VALVE
REFER TO CONNECTION DETAIL J ON
DRAWING B06-30G12000-MR-DR-CD-002 FOR DETAILS

UON-140-6FQ

1353

2IN. uPVC 1972

Ty R'efail

Efail Wen

Issues

LOCATION PLAN
SCALE: 1:1250
GRID REF: 305556, 363027

1:1250 | 12.5m | 25m | 37.5m | 50m | 62.5m | 75m | 87.5m | 100m | 112.5m | 125m

KEY:

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9. CAUTION! - NO CHLORINATED / CONTAMINATED WATER OR DRILLING FLUIDS ARE ALLOWED TO ENTER ANY WATER COURSE OR STORM DRAIN. CONTRACTOR TO REFER TO GUIDELINES ON POLLUTION PREVENTION AND INSTRUCTIONS IN CASE OF EMERGENCY.
10. CONTRACTOR TO BE AWARE THAT WATER MAINS MATERIALS MAY NOT BE MARKED OR MARKED INCORRECTLY TO WHAT IS INDICATED. IT IS THEREFORE ADVISABLE THAT THE POSSIBLE PRESENCE OF ASBESTOS (AC) OR PITCH FIBRE (PF) BE ANTICIPATED AND INCLUDED IN RAMS.
11. THE DEPTH AND LINE OF THE NEW MAIN IS TO BE SUPPLIED BY THE CONTRACTOR AT 50M INTERVALS FOR ALL DIRECTIONAL DRILLING WORK.
12. ANY NEW MAINS THAT ARE TO BE INSTALLED VIA DIRECTIONAL DRILLING SHOULD BE A MINIMUM DISTANCE OF 3m FROM EXISTING MAINS.
13. ISOLATION - CONTRACTOR TO ENSURE COI IS IN PLACE PRIOR TO UNDERTAKING WORK AND HAVE PROVEN ISOLATION IN ACCORDANCE WITH HSP 119.
14. DCWW PERMIT TO WORK - CONTRACTOR TO ENSURE DCWW PTW IS IN PLACE PRIOR TO UNDERTAKING WORK ON OR NEAR TO EXISTING MAINS IN ACCORDANCE WITH HSP 124.
15. SERVICE TRANSFERS: THE CONTRACTOR IS TO ALLOW FOR THE TRANSFER OF ALL SERVICE CONNECTIONS FROM THE EXISTING MAINS TO THE PROPOSED MAIN. NEW PIPES TO BE 25 mm MDPE (UNLESS SPECIFIED OTHERWISE ON THE DRAWING), TO BE INSTALLED BY OPEN CUT, MOLING OR SLIP LINING AS APPROPRIATE. ESTIMATED 28 NUMBER OF SERVICE TRANSFERS -LOCATION OF CONNECTIONS TO BE DETERMINED BY THE CONTRACTOR ON SITE.
16. FLEXIBLE FITTINGS INSIDE CONCRETE TO BE WRAPPED WITH REG 31 APPROVED TAPE TO PREVENT CONCRETE COMING INTO CONTACT WITH RUBBER SEALS.
17. ALL FLANGES TO BE PN16 RATED
18. WORKING PRESSURE ON THIS PROJECT IS 10 BAR. TEST PRESSURE IS 15 BAR AT THE LOWEST POINT.
19. ALL WORKS ADJACENT TO TREES ARE TO BE IN ACCORDANCE WITH NJUG VOL.4 2007. ANY WORKS ADJACENT TO TREES WITH A TPO IS TO BE AGREED WITH THE LOCAL AUTHORITY PRIOR TO THE WORKS.
20. THE CONTRACTOR IS TO INSTALL FIELD MARKER POSTS AT EITHER SIDE OF A HEDGE OR FIELD BOUNDARY. MARKER POSTS ARE TO BE IN COMPLIANCE WITH STANDARD DETAIL SDC2004/00
21. THE CONTRACTOR IS TO INSTALL INDICATOR POSTS WHERE REQUIRED BY DCWW OPERATIONS. INDICATOR POSTS ARE TO BE IN COMPLIANCE WITH STANDARD DETAIL SDC2004/00.

POST CODE: LL16 4TD

REV.	DRN.	DESCRIPTION	RVD.	CHK.	APP.	DATE
DP01	HP	DETAILED DESIGN - FOR PRICING	HP	JH	RT	10/06/26

Cynghrair Rhwydwaith Dŵr
Water Network Alliance

Project Name:
AMP8 - YR2 - MAINS RENEWAL
B06 DENBIGH - FOELAS

Drawing Title:
RENEWAL PLAN
(SHEET 3 OF 3)

Status Description:
DETAILED DESIGN - FOR PRICING

Checked:	Approved:	Date:
J. HOUSTON	R. TEESDALE	10/06/2026
Scale: 1:1250 @A1	Designer: N. MORGAN	Rev.: DP01

Drawing Number:
B06-30G12000-MR-DR-RT-RN-003

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