

Cillian Clair
The Railway Station,
Attyflin Patrickswell,
Co Limerick

3 September 2020

Re: Design Submission for SHD Development at Raheen Development (the “Development”) (the “Design Submission”) / 0587989218.

Uisce Éireann
Bosca OP 448
Oifig Sheachadta na
Cathrach Theas
Cathair Chorcaí

Irish Water
PO Box 448,
South City
Delivery Office,
Cork City.

www.water.ie

Dear Cillian Clair,

Many thanks for your recent Design Submission.

We have reviewed your proposal for the connection(s) at the Development. Based on the information provided, which included the documents outlined in Appendix A to this letter, Irish Water has no objection to your proposals.

This letter does not constitute an offer, in whole or in part, to provide a connection to any Irish Water infrastructure. Before you can connect to our network you must sign a connection agreement with Irish Water. This can be applied for by completing the connection application form at www.water.ie/connections. Irish Water’s current charges for water and wastewater connections are set out in the Water Charges Plan as approved by the Commission for Regulation of Utilities (CRU) (https://www.cru.ie/document_group/irish-waters-water-charges-plan-2018/).

You the Customer (including any designers/contractors or other related parties appointed by you) is entirely responsible for the design and construction of all water and/or wastewater infrastructure within the Development which is necessary to facilitate connection(s) from the boundary of the Development to Irish Water’s network(s) (the “**Self-Lay Works**”), as reflected in your Design Submission. Acceptance of the Design Submission by Irish Water does not, in any way, render Irish Water liable for any elements of the design and/or construction of the Self-Lay Works.

If you have any further questions, please contact your Irish Water Representative

Name: Alvaro Garcia
Phone: 022 54623
Email: agarcia@water.ie

Yours sincerely,



Maria O’Dwyer

Connections and Developer Services

Appendix A

Document Title & Revision

- 18112 - C05 – D
- 18112 - C06 – B
- 18112 - C07 – A
- 18112 - C11 - E

For further information, visit www.water.ie/connections

Notwithstanding any matters listed above, the Customer (including any appointed designers/contractors, etc.) is entirely responsible for the design and construction of the Self-Lay Works. Acceptance of the Design Submission by Irish Water will not, in any way, render Irish Water liable for any elements of the design and/or construction of the Self-Lay Works.



REVISION DETAILS	DATE
A ATTENUATION TANKS ADDED	15.10.19
B CONNECTION LAYOUT TO OUTFALL 1	13.11.19
C Minor amendments to network	03.03.20
D REVISED LAYOUT	20.03.20

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 - G4. ALL LEVELS ARE RELATIVE TO ORDNANCE DATUM MALIN HEAD.

- FOUL SEWER:**
- F1. VERTICAL ROOT BARRIERS TO BE PROVIDED TO PROPOSED TREES TO PREVENT TREE ROOT SYSTEMS REACHING THE WORKS.
 - F2. WASTEWATER - FOR DETAILS OF CUSTOMER CONNECTION AND BOUNDARY INSPECTION CHAMBER REFER TO IRISH WATER STANDARD DETAIL STD-WW-03.
 - F3. WHERE MANHOLES ARE LOCATED IN GREEN AREAS, COVERS ARE TO BE SURROUNDED BY A CONCRETE PLINTH IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL DRAWING STD-WW-10.

- LEGEND:**
- PROPOSED SURFACE WATER SEWER
 - EXISTING SURFACE WATER SEWER
 - PROPOSED FOUL WATER SEWER
 - EXISTING FOUL WATER SEWER
 - RG ROAD GULLY
 - PROPOSED WATERMAIN
 - BB IRISH WATER APPROVED BOUNDARY BOX
 - FH FIRE HYDRANT (6m & 46m RAOJ SHOWN DASHED)
 - AV AIR VALVE
 - SCV SCOUR VALVE
 - SV SLUICE VALVE
 - BM BULK FLOW METER IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-26A
 - 5.00 EXISTING GROUND/FLOOR LEVELS
 - EL 6.50 PROPOSED GROUND/FLOOR LEVELS
 - FOUL INSPECTION CHAMBER AS PER IRISH WATER STANDARD DETAIL DRAWINGS STD-WW-02, STD-WW-03 & STD-WW-13

Issue: **INFORMATION**

Project: **Housing Development Raheen, Limerick**

Client: **Lawlor Burns & Associates**

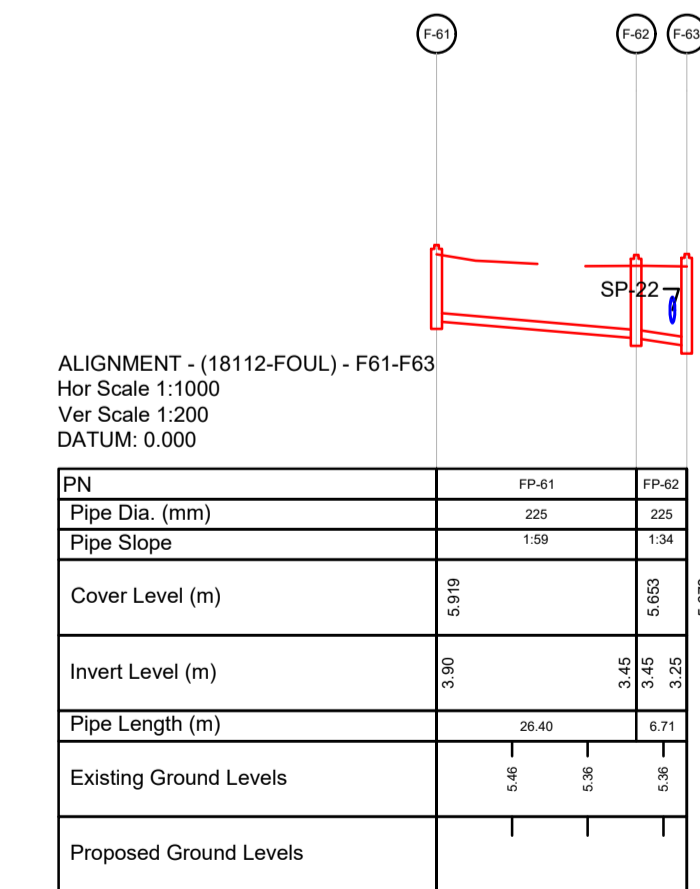
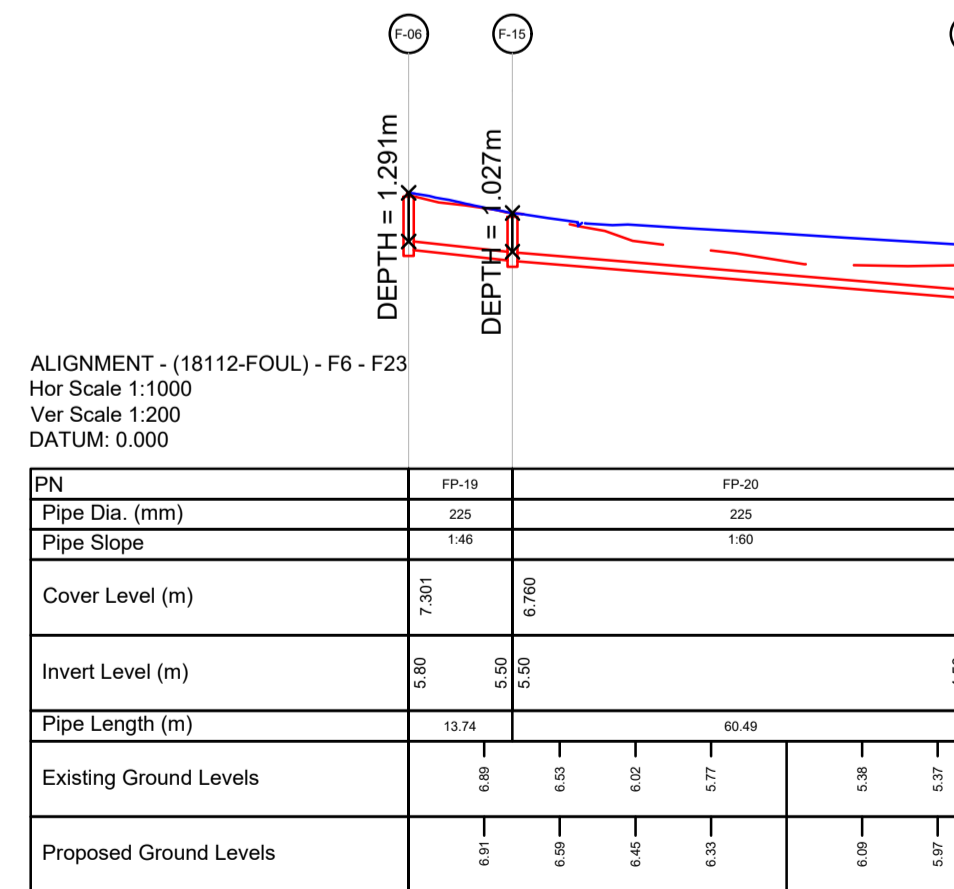
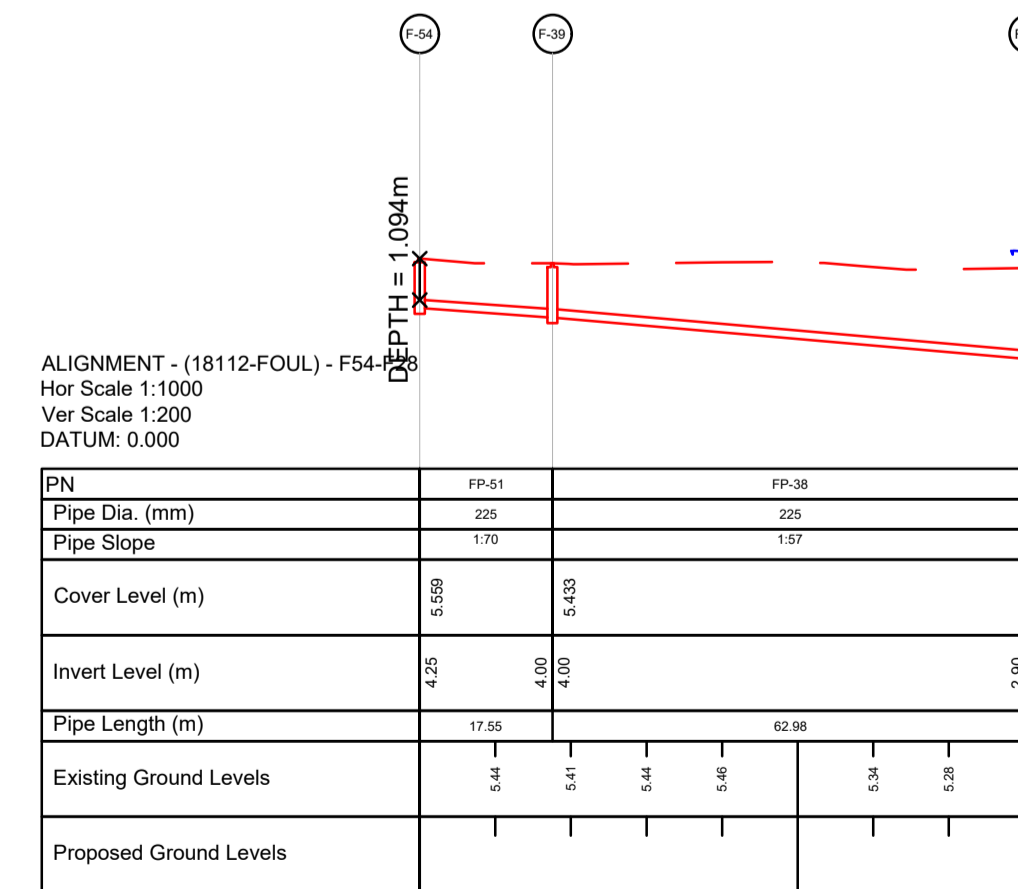
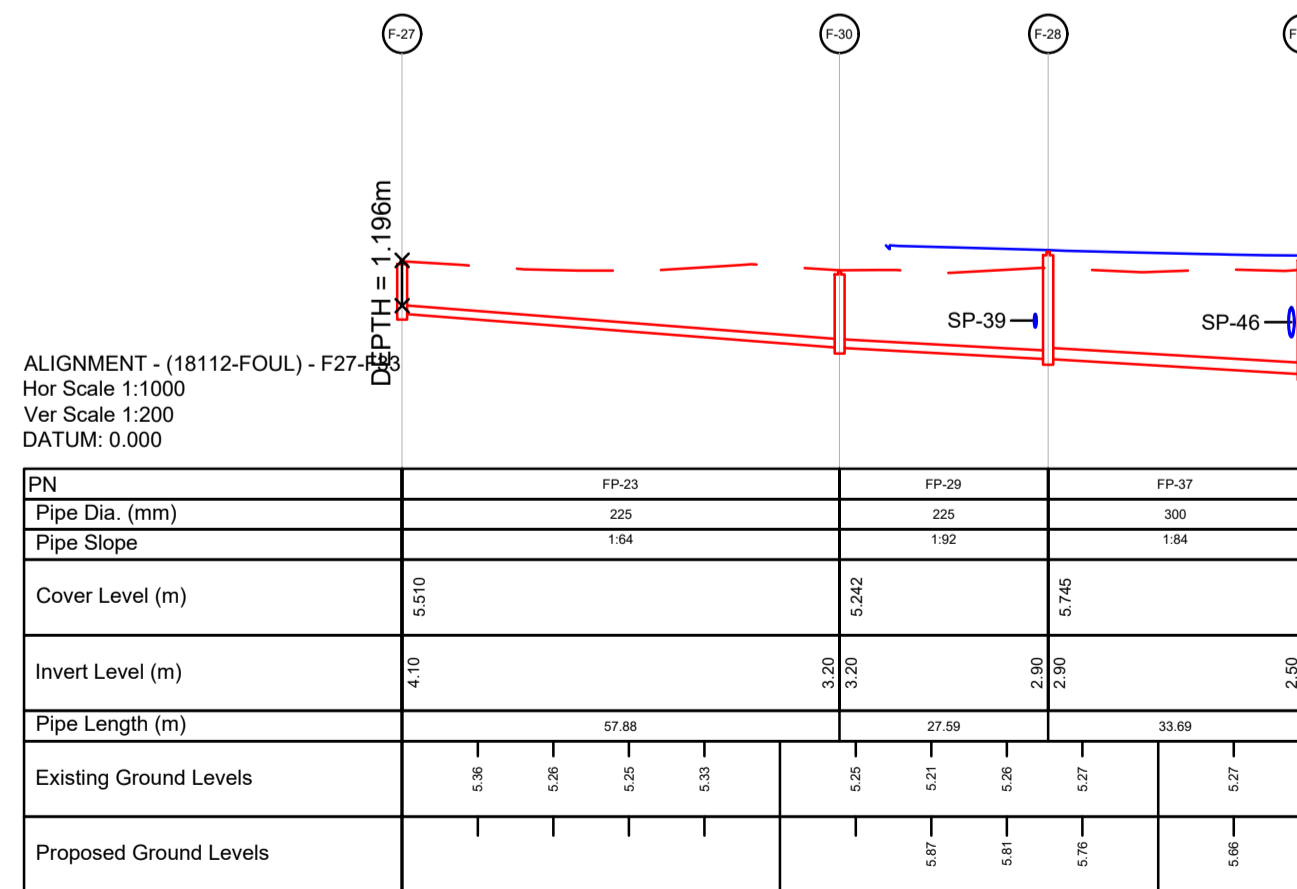
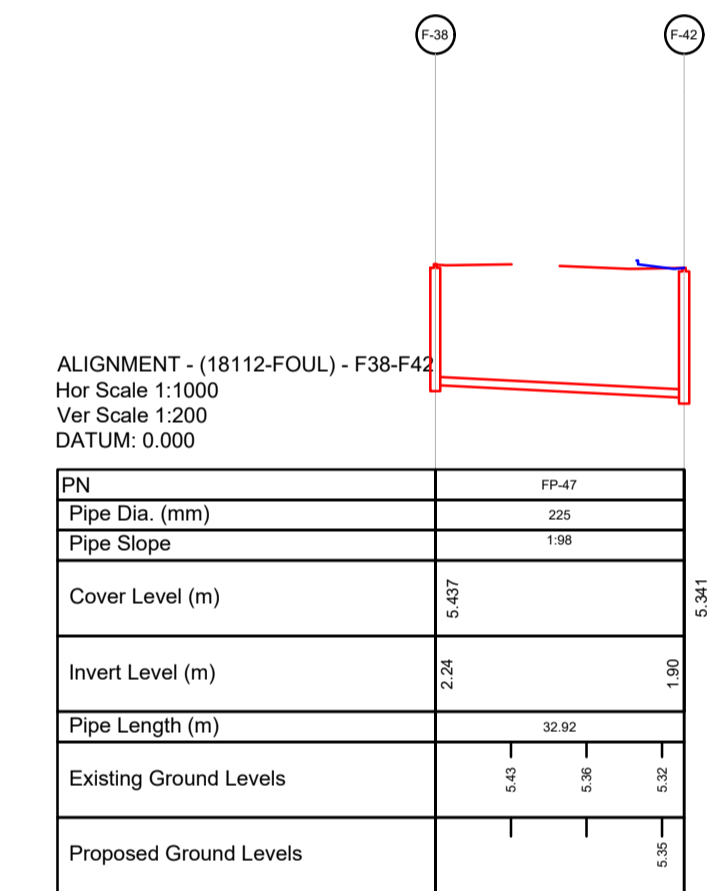
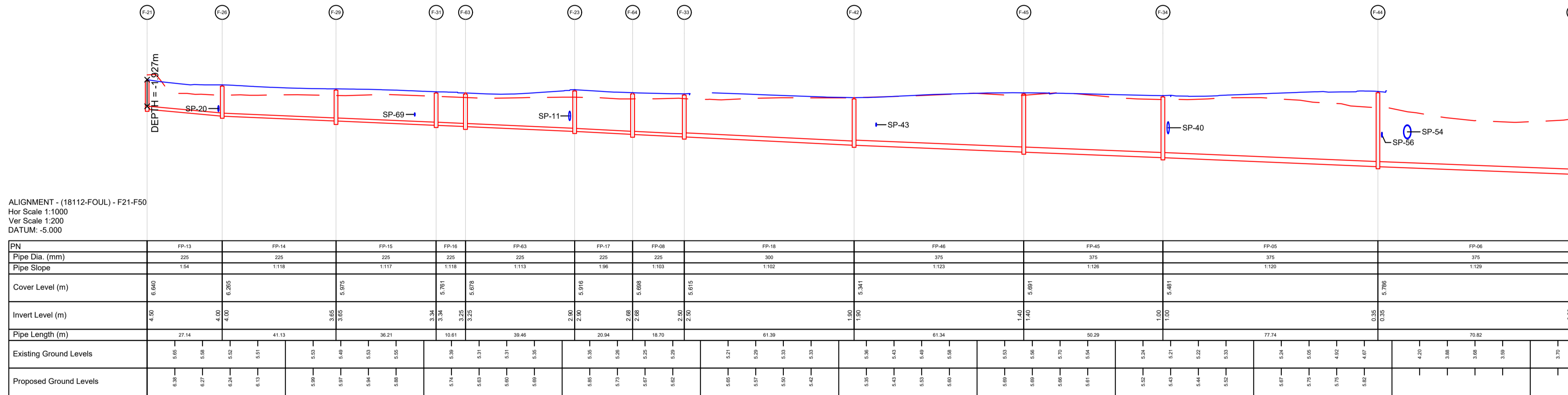
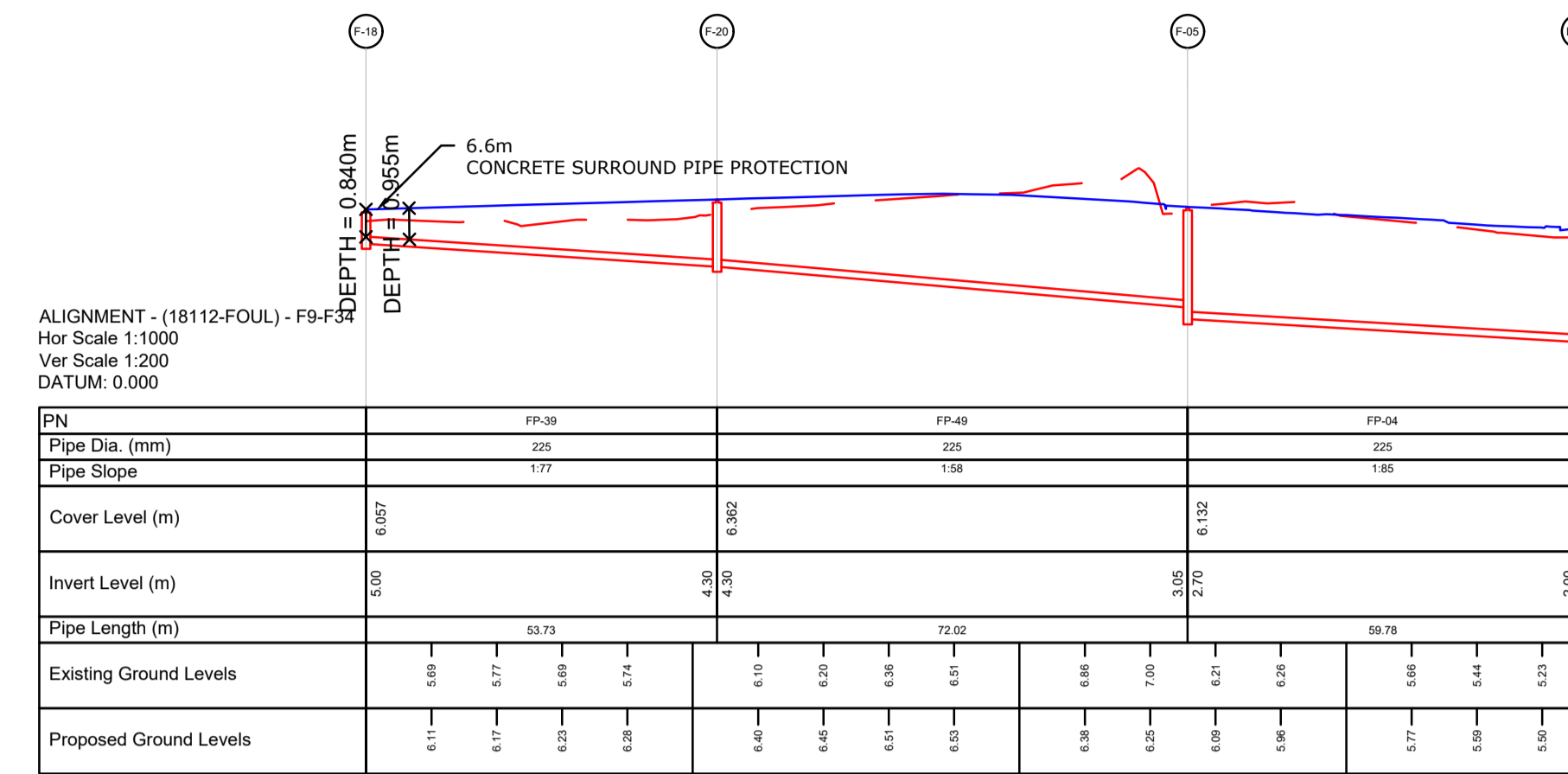
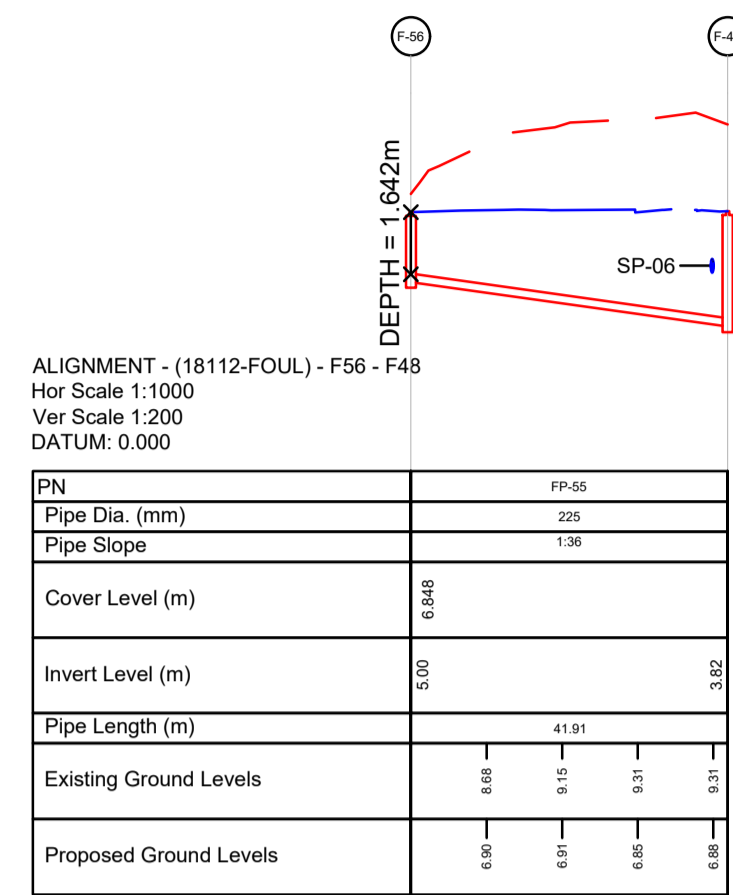
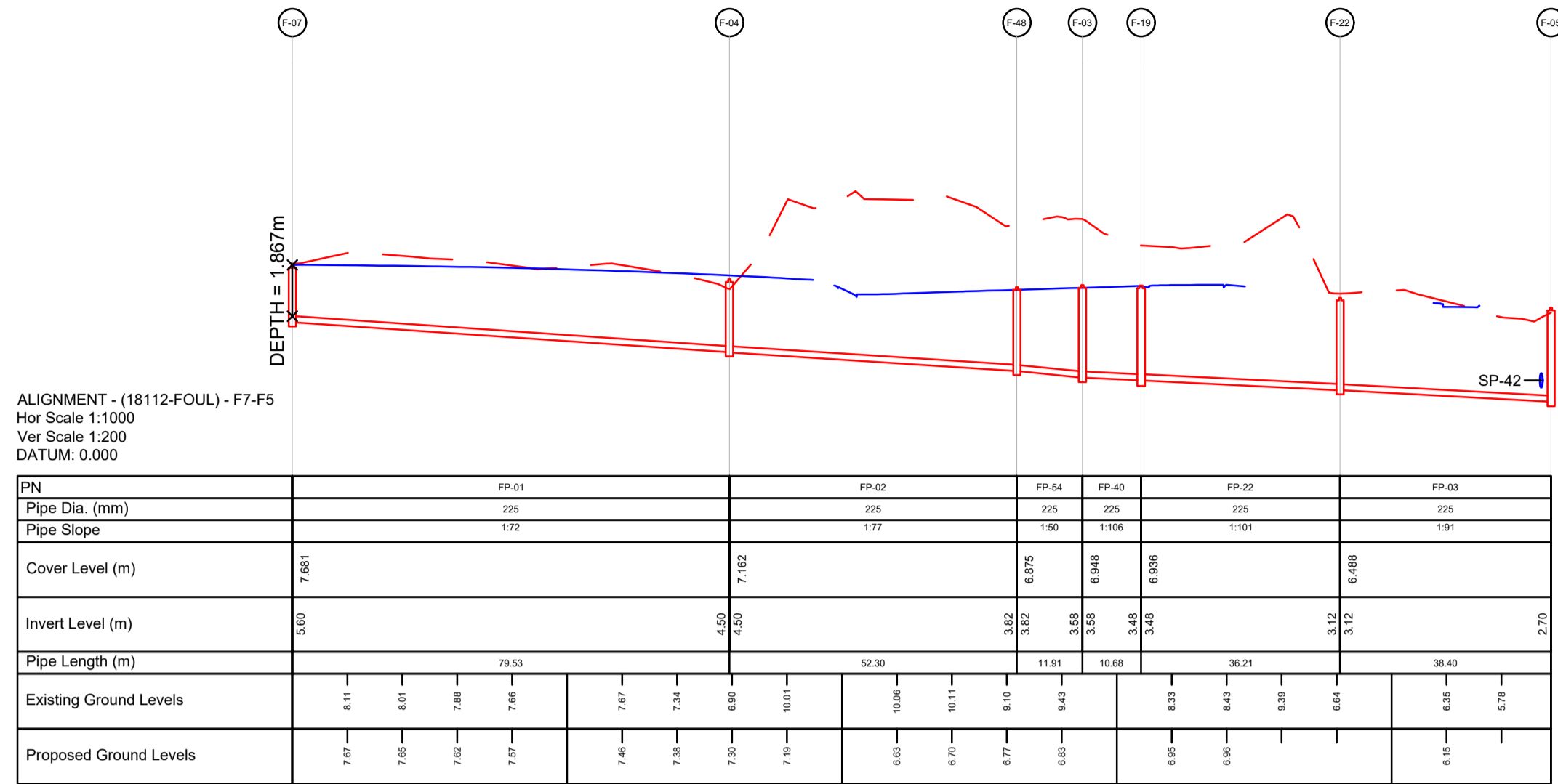
Drawing Title: **Pipe Design Foul & Storm Sewer Layout**

Drawn	Scale	Checked	Date
CC	1:500	DOM	01.10.18



Hutch O'Malley Consulting Engineers
 The Railway Station, Attyfin, Patrickswell, Co.Limerick
 E-Mail: admin@hutchomalley.ie
 Phone: 061-320260

Project No.	Drawing No.	Revision
18112	C 05	D



REVISION DETAILS		DATE
A	REVISED LAYOUT	23.03.20
B	ADDITIONAL NOTE ON CONCRETE PIPE SURROUND	26.08.20

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LEGEND:

— PROPOSED GROUND LEVEL

- - - EXISTING GROUND LEVEL

Issue: INFORMATION

Project: Housing Development Raheen, Co. Limerick

Client: Lawlor Burns & Associates

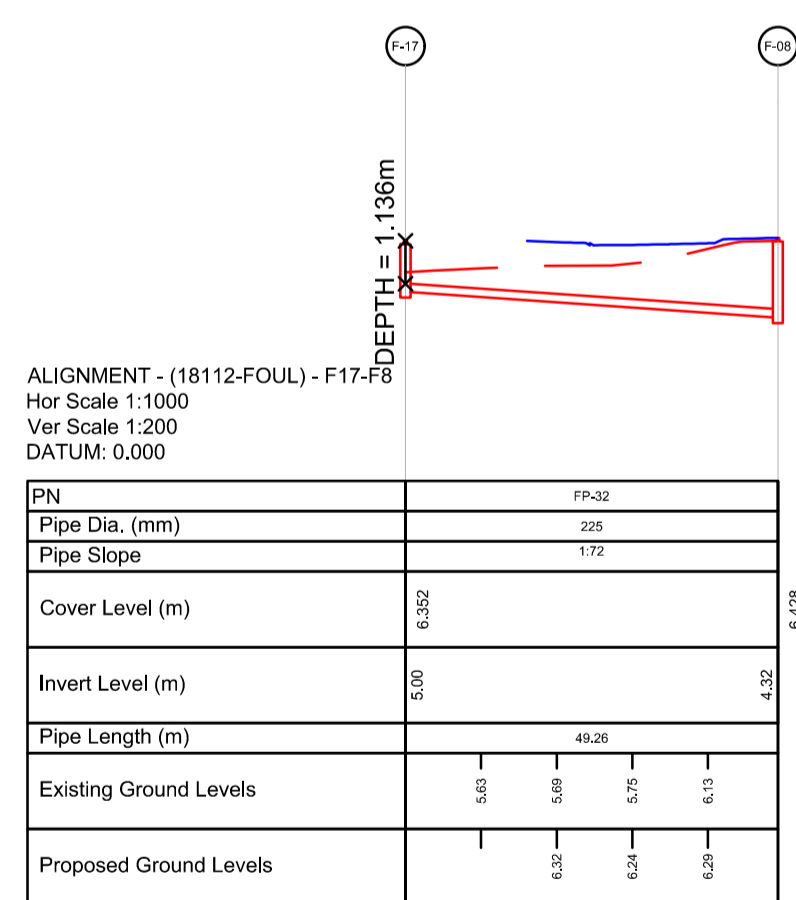
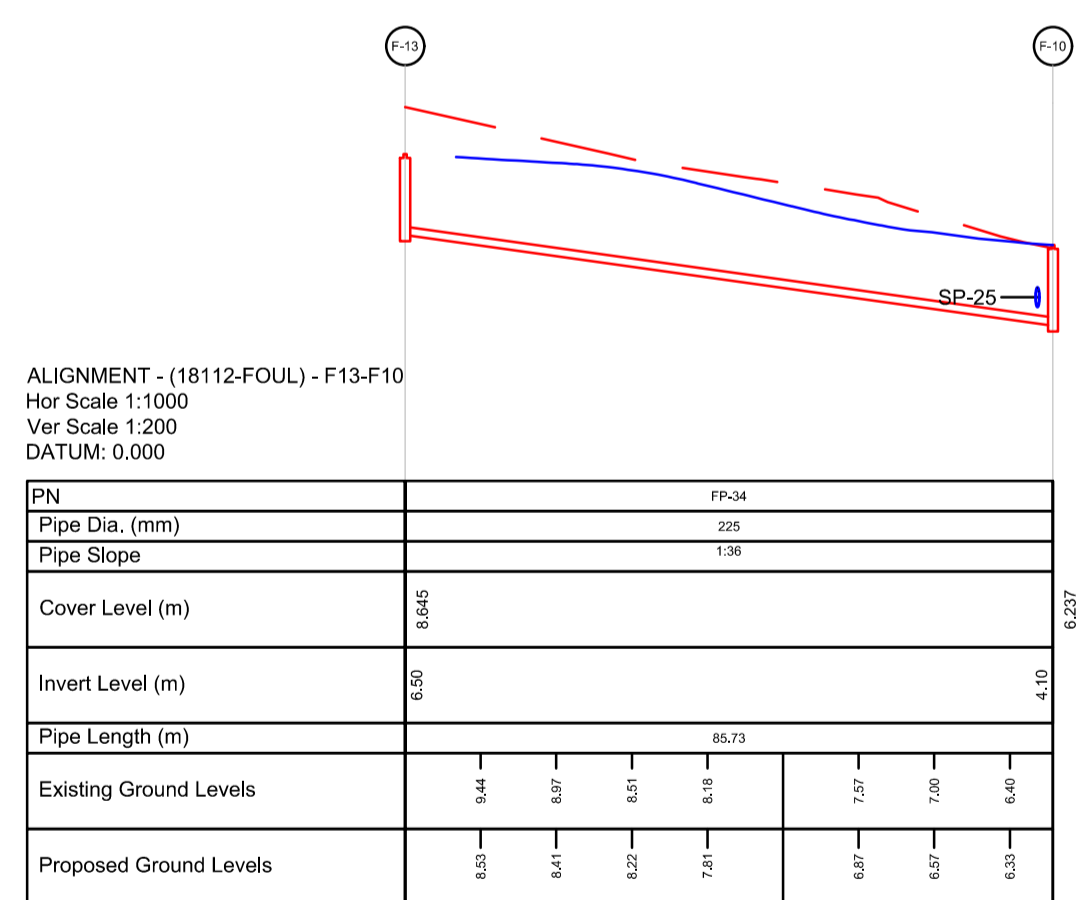
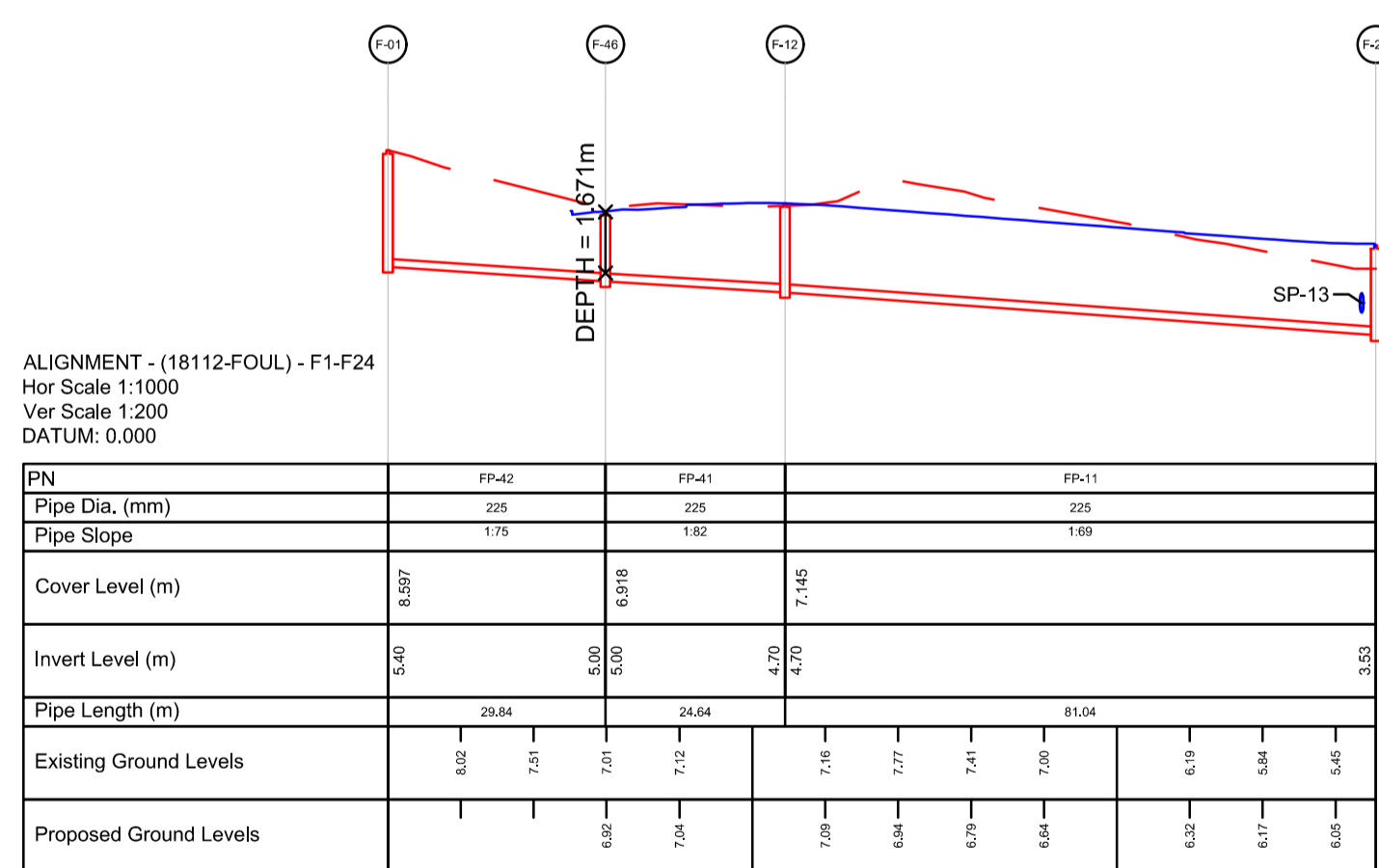
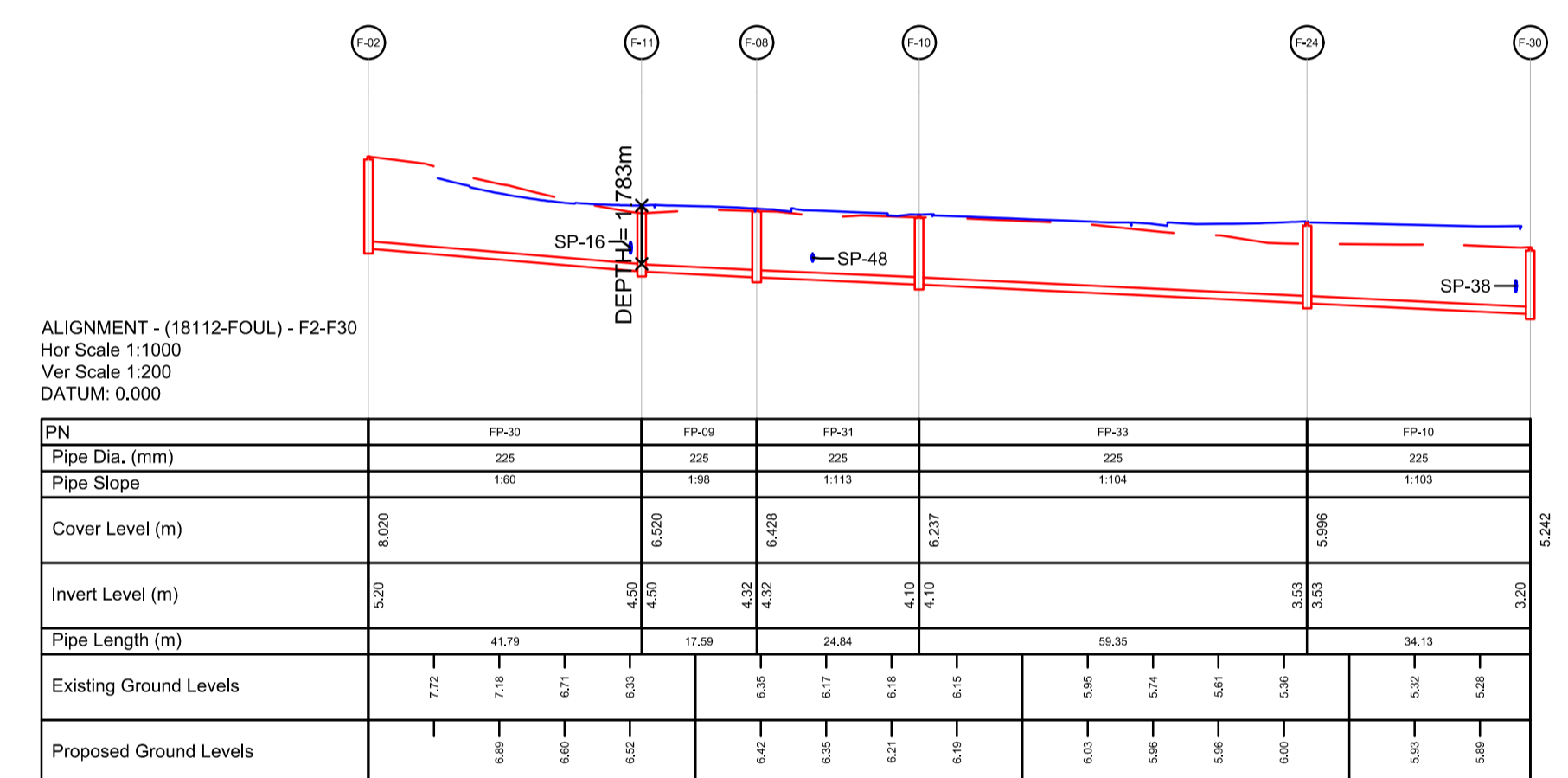
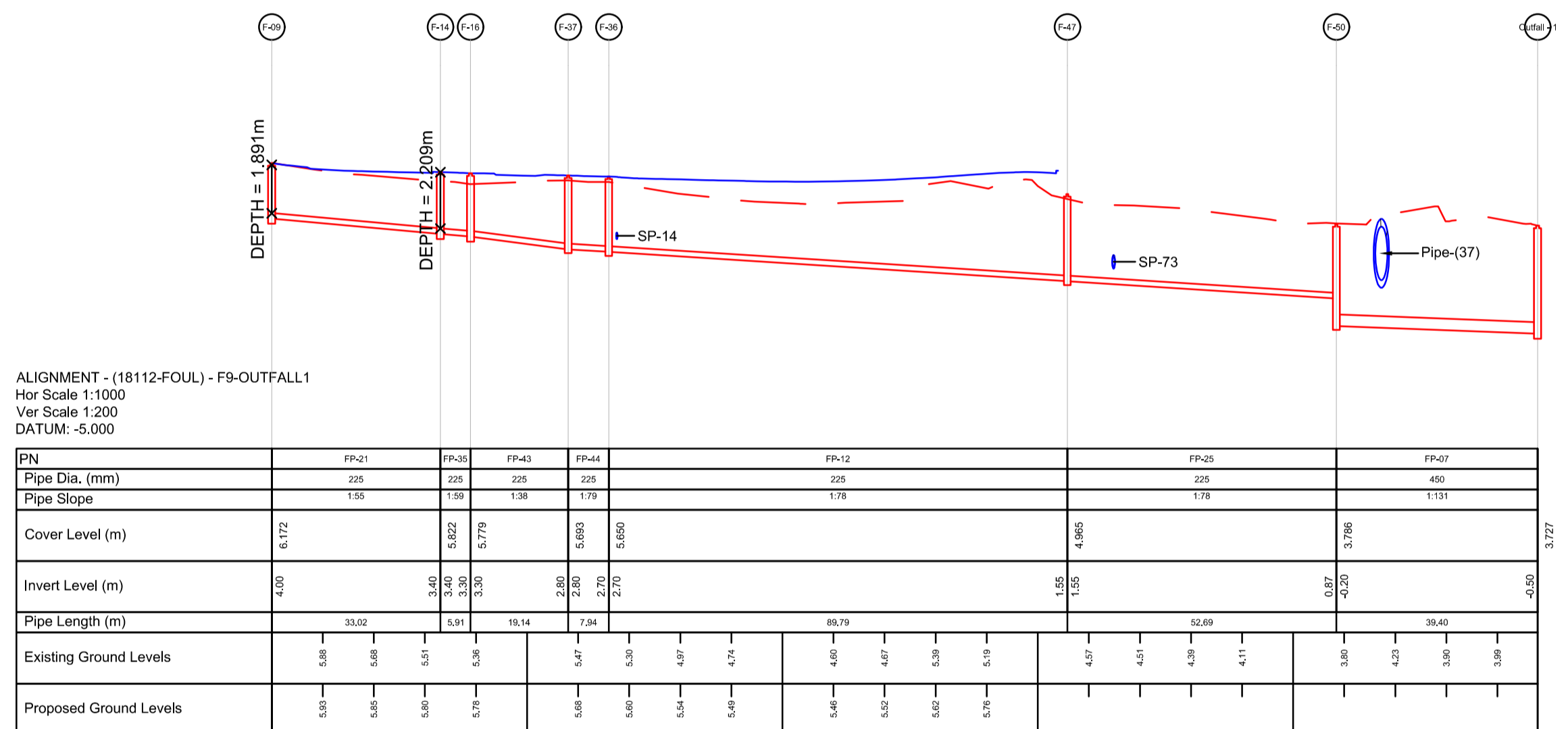
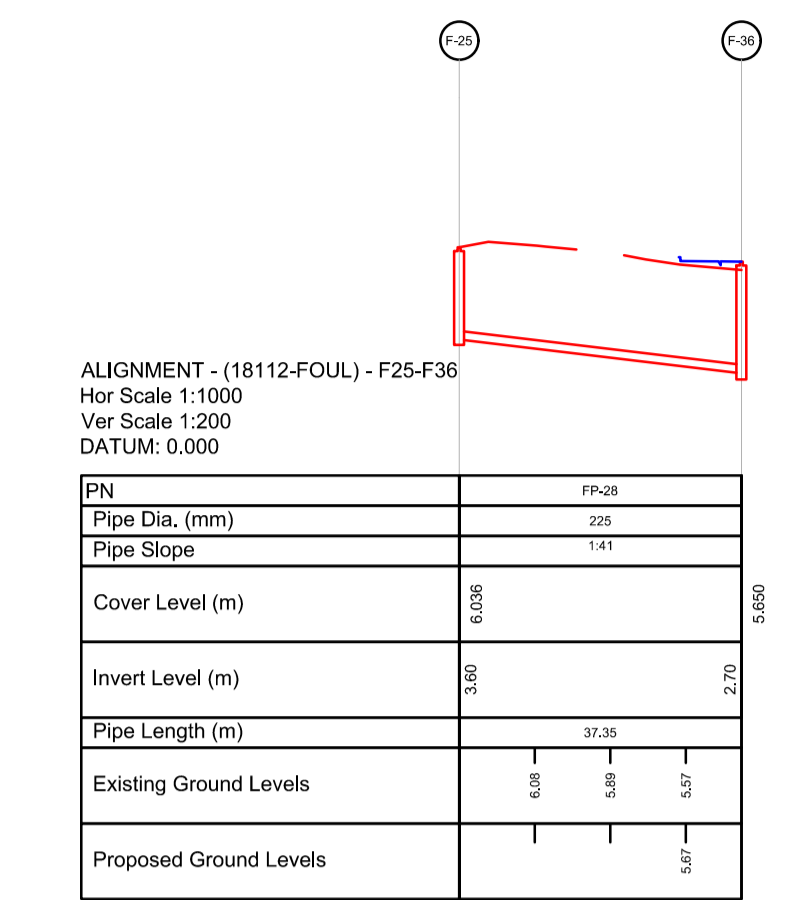
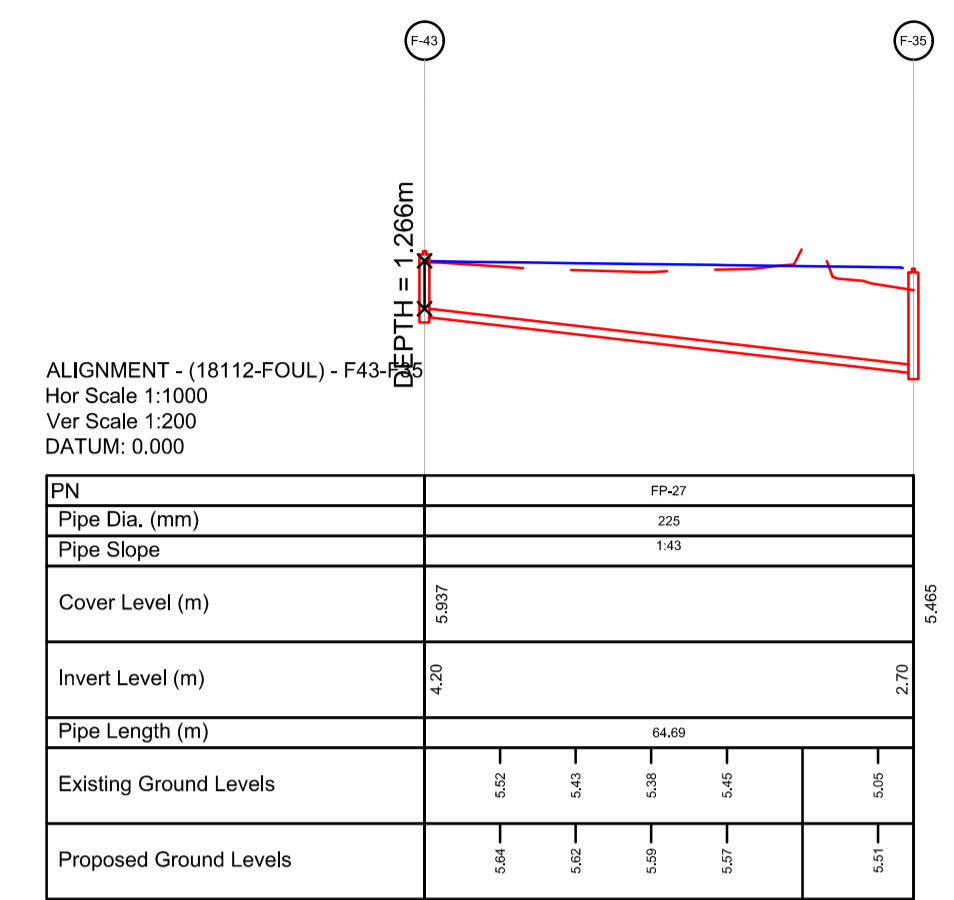
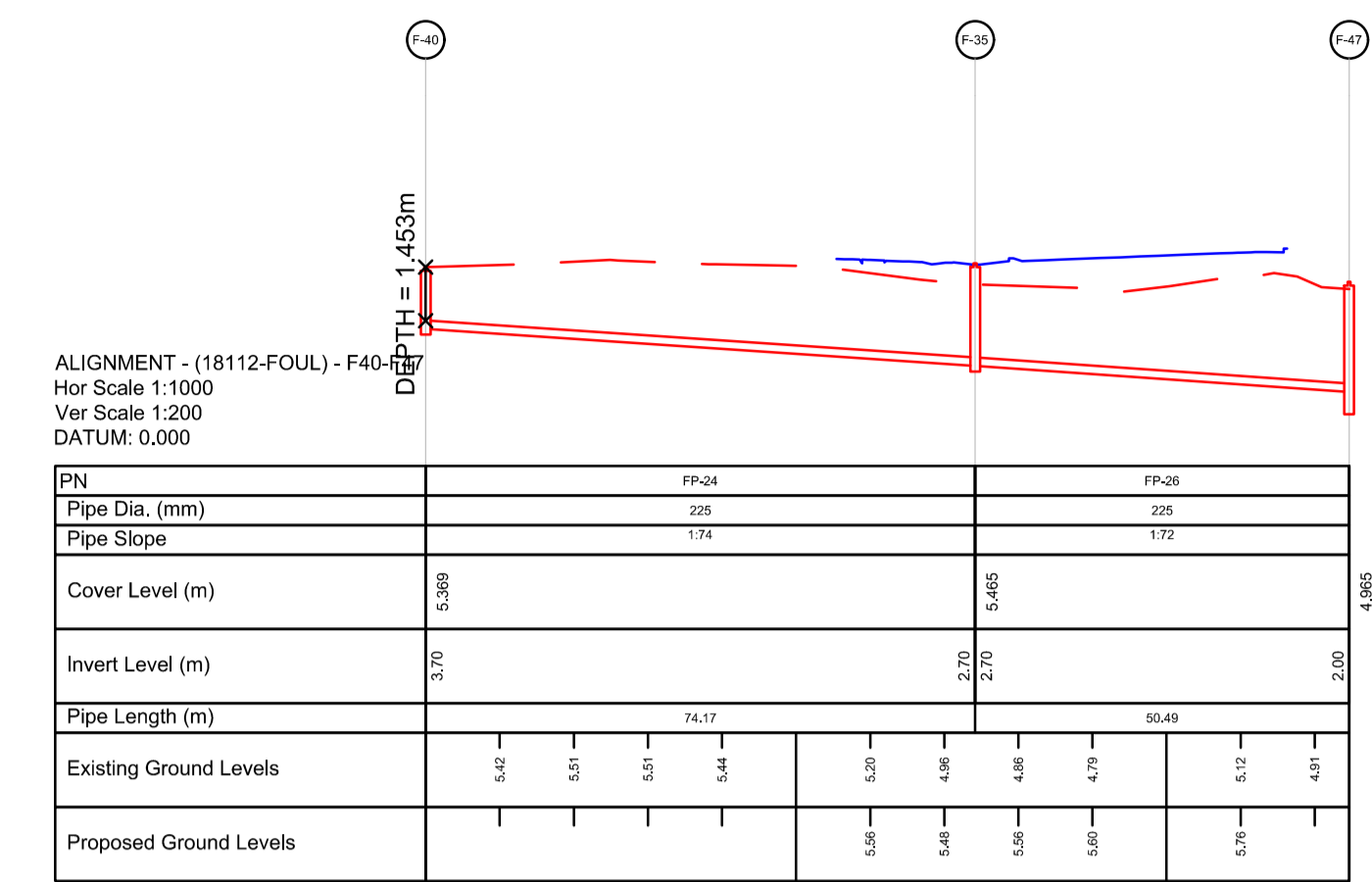
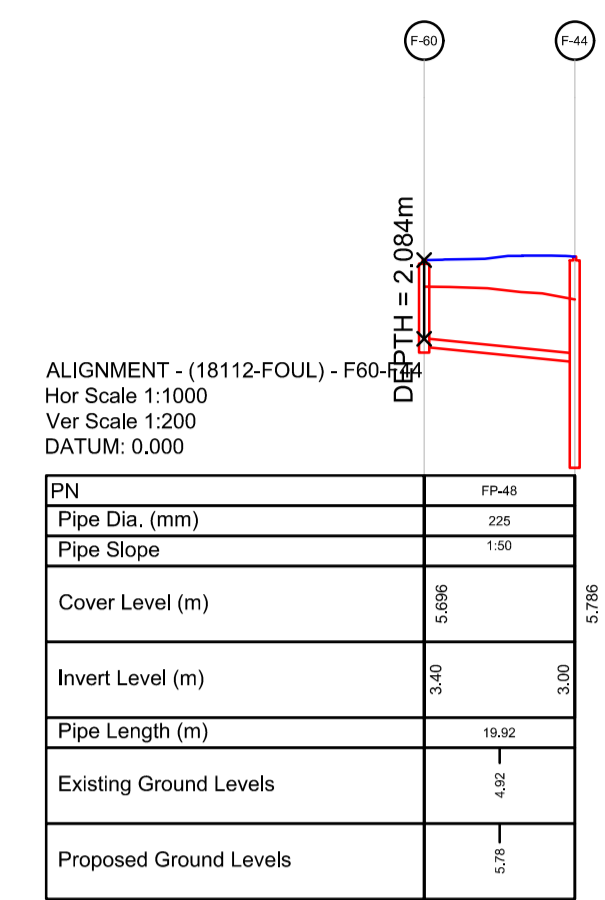
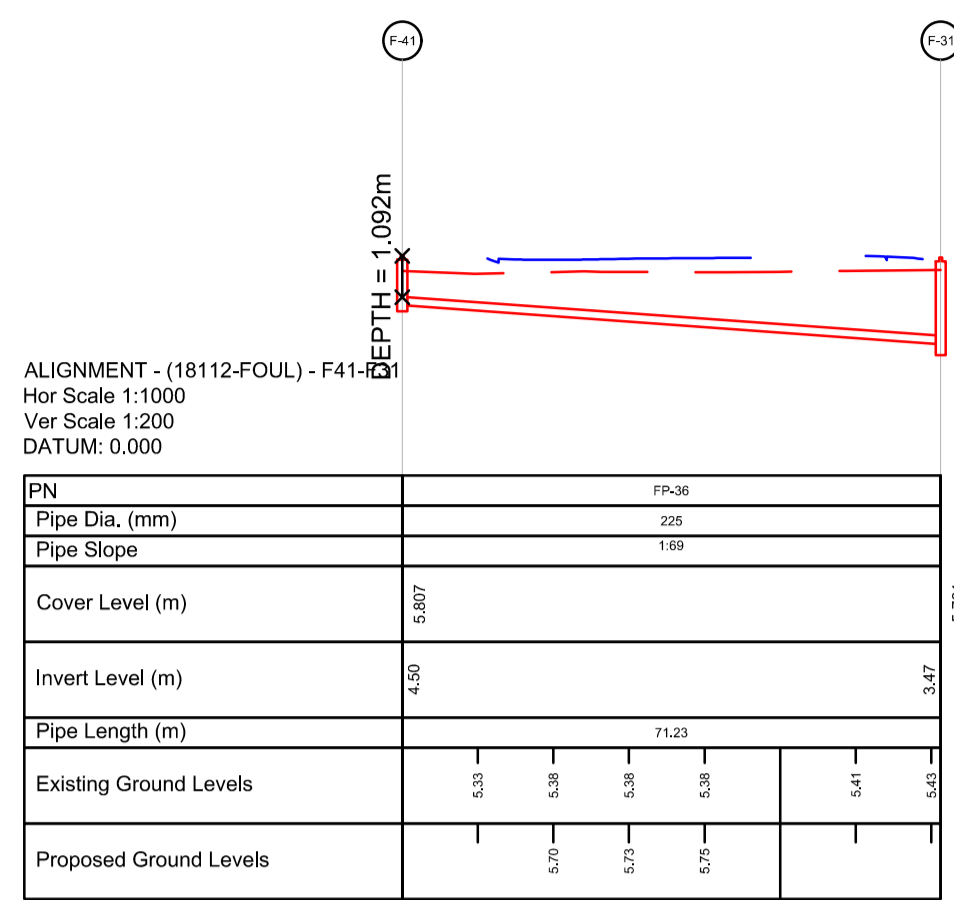
Drawing Title: Pipe Design Foul Pipe Longsections SHEET 1

Drawn: DC	Scale: 1:1000	Checked: DOM	Date: 12/10/18
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HUTCH O'MALLEY CONSULTING ENGINEERS

Hutch O' Malley Consulting Engineers
The Railway Station, Attyfin, Patrickswell, Co. Limerick
E-Mail: admin@hutchomalley.ie
Phone: 061-320260

Project No. 18112	Drawing No. C06	Revision B
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REVISION DETAILS	DATE
A REVISED LAYOUT	23.03.20

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LEGEND:

— PROPOSED GROUND LEVEL

- - - EXISTING GROUND LEVEL

Issue: INFORMATION

Project: Housing Development Raheen, Co. Limerick

Client: Lawlor Burns & Associates

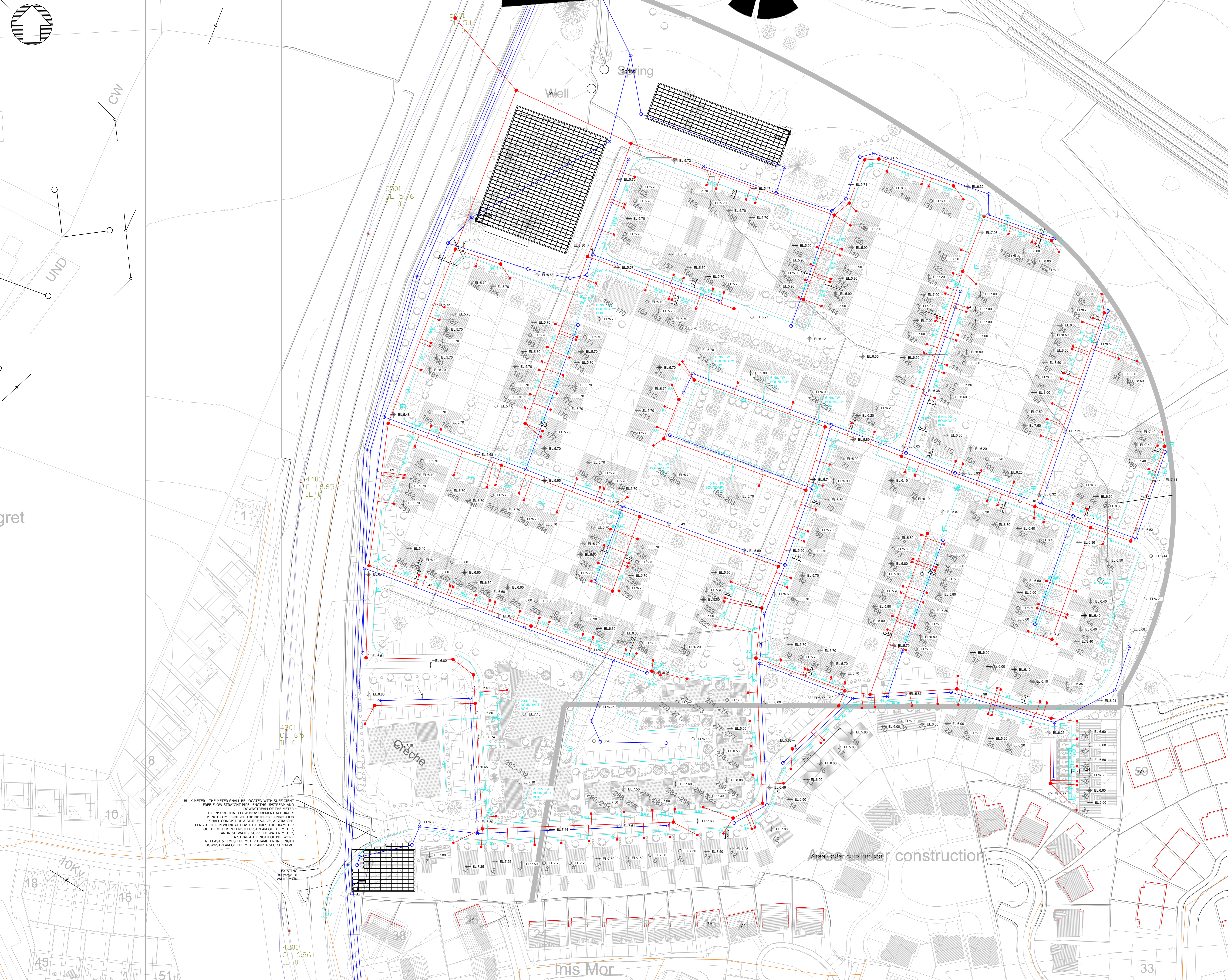
Drawing Title: Pipe Design Foul Pipe Longsections SHEET 2

Drawn: DC	Scale: 1:1000	Checked: DOM	Date: 12/10/18
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HUTCH O'MALLEY CONSULTING ENGINEERS

Hutch O' Malley Consulting Engineers
 The Railway Station, Attyfin, Patrickswell, Co. Limerick
 E-Mail: admin@hutchomalley.ie
 Phone: 061-320260

Project No. 18112	Drawing No. C07	Revision A
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REVISION DETAILS		DATE
A	minor amendments to network	03.03.20
B	REVISED LAYOUT	20.03.20
C	REV. ARCHITECT LAYOUT	24.04.20
D	REVISED AV & BULK METER	26.08.20
E	WATERMAIN DIAMETER AND MATERIAL ADDED TO LEGEND	01.09.20

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- WATER:**
- W1. VERTICAL ROOT BARRIERS TO BE PROVIDED TO PROPOSED TREES TO PREVENT TREE ROOT SYSTEMS REACHING THE WORKS.
 - W2. WATER - FOR DETAILS OF CUSTOMER CONNECTION AND BOUNDARY BOX REFER TO IRISH WATER STANDARD DETAIL STD-W-03.
 - W3. AIR VALVE AND HYDRANT COVERS WHERE LOCATED IN GRASS AREAS SHALL BE SURROUNDED BY A CONCRETE PLINTH 200mm ALL ROUND AND 100mm DEEP FORMED WITH 20mm CONCRETE 20mm AGGREGATE SIZE BEDDED IN CLAUSE 804 MATERIAL. THE PLINTH SHALL INCORPORATE MILD STEEL REINFORCEMENT LINKS AND SHALL HAVE A BULL-NOSE FINISH AROUND ITS EXTERNAL PERIMETER.
 - W4. WATERMAIN TO BE LOCATED AS PER IRISH WATER STANDARD DETAIL DRAWING STD-W-11. SEPARATION DISTANCES FROM OTHER UTILITY SERVICES TO BE IN ACCORDANCE WITH THIS DETAIL ALSO.

- LEGEND:**
- PROPOSED SURFACE WATER SEWER
 - EXISTING SURFACE WATER SEWER
 - PROPOSED FOUL WATER SEWER
 - EXISTING FOUL WATER SEWER
 - ROAD GULLY
 - PROPOSED 225mm PE WATERMAIN
 - IRISH WATER APPROVED BOUNDARY BOX
 - FIRE HYDRANT (6m & 46m RADIUS SHOWN DASHED)
 - AIR VALVE
 - SCOUR VALVE
 - SLUICE VALVE
 - BULK FLOW METER IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-26A
 - EXISTING GROUND LEVEL
 - PROPOSED GROUND/FLOOR LEVELS
 - FOUL INSPECTION CHAMBER AS PER IRISH WATER STANDARD DETAIL DRAWINGS STD-WW-02, STD-WW-03 & STD-WW-13

INFORMATION	
Project:	Housing Development Raheen, Limerick
Client:	Lawlor Burns & Associates
Drawing Title:	PIPE DESIGN WATERMAIN LAYOUT
Drawn:	CC
Scale:	1:500
Checked:	DOM
Date:	21.10.19

HUTCH O'MALLEY CONSULTING ENGINEERS

Hutch O'Malley Consulting Engineers
 The Railway Station, Attyflin, Patrickswell, Co. Limerick
 E-Mail: admin@hutchomalley.ie
 Phone: 061-320260

Project No.	Drawing No.	Revision
18112	C 11	E

BULK METER - THE METER SHALL BE LOCATED WITH SUFFICIENT FREE-FLOW STRAIGHT PIPE LENGTHS UPSTREAM AND DOWNSTREAM OF THE METER TO ENSURE THAT FLOW MEASUREMENT ACCURACY IS NOT COMPROMISED. THE METERED CONNECTION SHALL CONSIST OF A SLUICE VALVE, A STRAIGHT LENGTH OF PIPEWORK AT LEAST 10 TIMES THE DIAMETER OF THE METER IN LENGTH UPSTREAM OF THE METER, AN IRISH WATER SUPPLIED WATER METER, A STRAIGHT LENGTH OF PIPEWORK AT LEAST 5 TIMES THE METER DIAMETER IN LENGTH DOWNSTREAM OF THE METER AND A SLUICE VALVE.

EXISTING JUNCTION DI WATERMAIN

Area under construction construction