

Letter Ref: CDSSDA1

Amil Properties Limited C/O Damien Murphy,  
Strutec Ltd,  
Garryhill,  
Bagenalstown,  
Co.Carlow

**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](http://www.water.ie)

06 February 2019

**Re: Design Submission for (Ballyowen/Ramsfort Park, Gorey, Co.Wexford)(the “Development”)(the “Design Submission”)/Customer Reference No. 8042651993**

Dear Sir/Madam,

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 an 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](http://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/](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: PJ Murphy  
Phone: 022 52267  
Email: [pjmurphy@water.ie](mailto:pjmurphy@water.ie)

Yours sincerely,

**Maria O’Dwyer**  
**Connections and Developer Services**

## Appendix A

### Document Title & Revision

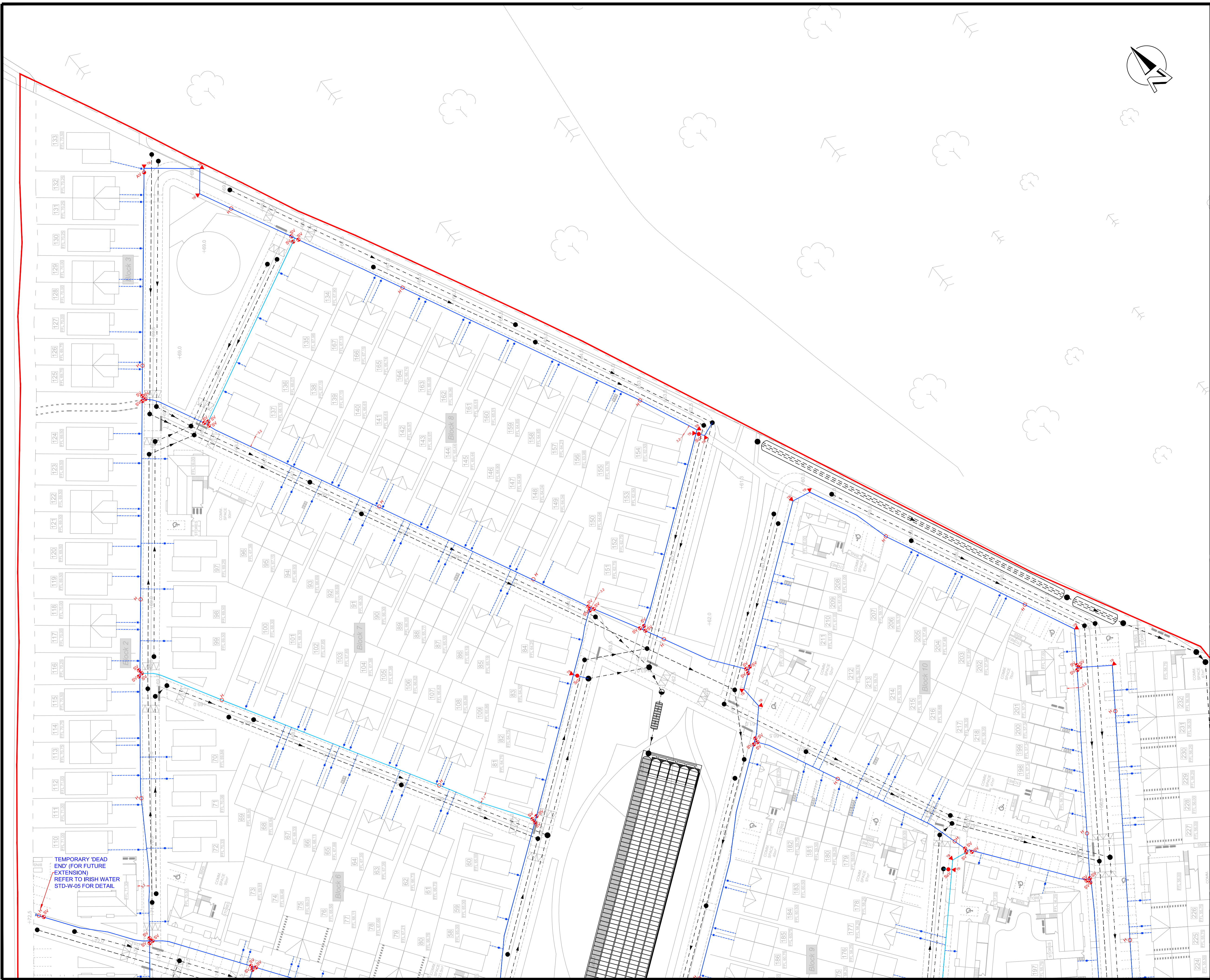
1. **IE1505-007-E PROPOSED WATER MAINS LAYOUT PLAN SHEET 1**
2. **IE1505-008-E PROPOSED WATER MAINS LAYOUT PLAN SHEET 2**
3. **IE1505-011-E FOUL WATER LONG SECTIONS SHEET 1 OF 2**
4. **IE1505-012-E FOUL WATER LONG SECTIONS SHEET 2 OF 2**
5. **IE1505-000-D PROPOSED FOUL, STORMWATER & WATER MAINS KEY PLAN**
6. **IE1505-001-E PROPOSED FOUL & STORMWATER LAYOUT PLAN SHEET 1**
7. **IE1505-002-E PROPOSED FOUL & STORMWATER LAYOUT PLAN SHEET 2**
8. **IE1505-003-E PROPOSED FOUL & STORMWATER LAYOUT PLAN SHEET 3**
9. **IE1505-004-E PROPOSED FOUL & STORMWATER LAYOUT PLAN SHEET 4**
10. **IE1505-005-E PROPOSED FOUL & STORMWATER LAYOUT PLAN SHEET 5**
11. **IE1505-006-E PROPOSED FOUL & STORMWATER LAYOUT PLAN SHEET 6**

### Standard Details/Code of Practice Exemption:

**N/A**

For further information, visit [www.water.ie/connections](http://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.



**LEGEND**

	PROPOSED SITE BOUNDARY
	PROPOSED 150mm ID MDPE WATER MAIN PIPE
	PROPOSED 100mm ID MDPE WATER MAIN PIPE
	PROPOSED WATER SERVICE PIPE & BOUNDARY BOX
	PROPOSED SCOUR VALVE
	PROPOSED HYDRANT
	PROPOSED SLUICE VALVE
	PROPOSED AIR VALVE
	PROPOSED THRUST BLOCK
	PROPOSED BULK WATER METER
	PROPOSED STORMWATER
	PROPOSED FOUL
	EXISTING WATER MAIN

- NOTES**
- ALL DRAINAGE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH:
    - CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7TH EDITION,
    - IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE, DECEMBER 2017
  - ALL CONNECTIONS AND FITTINGS TO BE IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS. REFER TO IRISH WATER DOCUMENT WATER INFRASTRUCTURE STANDARD DETAILS, CONNECTIONS AND DEVELOPER SERVICES, DECEMBER 2017.
  - THRUST BLOCKS TO BE PROVIDED AT JUNCTIONS, HYDRANTS AND BENDS (>11.25°).
  - PE-80 SDR17 BLUE PIPES TO BE USED FOR WATER MAINS.
  - PIPES TO SCOUR CHAMBER SHALL BE PROVIDED WITH A NON-RETURN VALVE TO PREVENT BACKFLOW AND AGREED WITH THE LOCAL AUTHORITY.
  - WHERE A MANIFOLD CHAMBER IS USED TO PROVIDE A COMMUNAL BOX, EACH DWELLING UNIT SHALL HAVE ITS OWN SUPPLY PIPE, METER AND STOP VALVE. ALL METERS IN THE MANIFOLD SHALL BE TAGGED TO INDICATE INDIVIDUAL PROPERTIES. UNUSED OUTLETS SHALL BE BLANKED OFF. REFER TO SECTION 3.15.3 OF THE IRISH WATER CODE OF PRACTICE FOR DETAILS.
  - WATER MAIN 'T' JUNCTIONS TO BE CONSTRUCTED AT 90° ANGLES AS PER IRISH WATER STD-W-07.

E	11.01.19	PLANNING	NOM	PMS
rev.	date	amendment	drn	ckd

PROPOSED HOUSING DEVELOPMENT  
CREAGH, GOREY, CO. WEXFORD

PROPOSED WATER MAINS

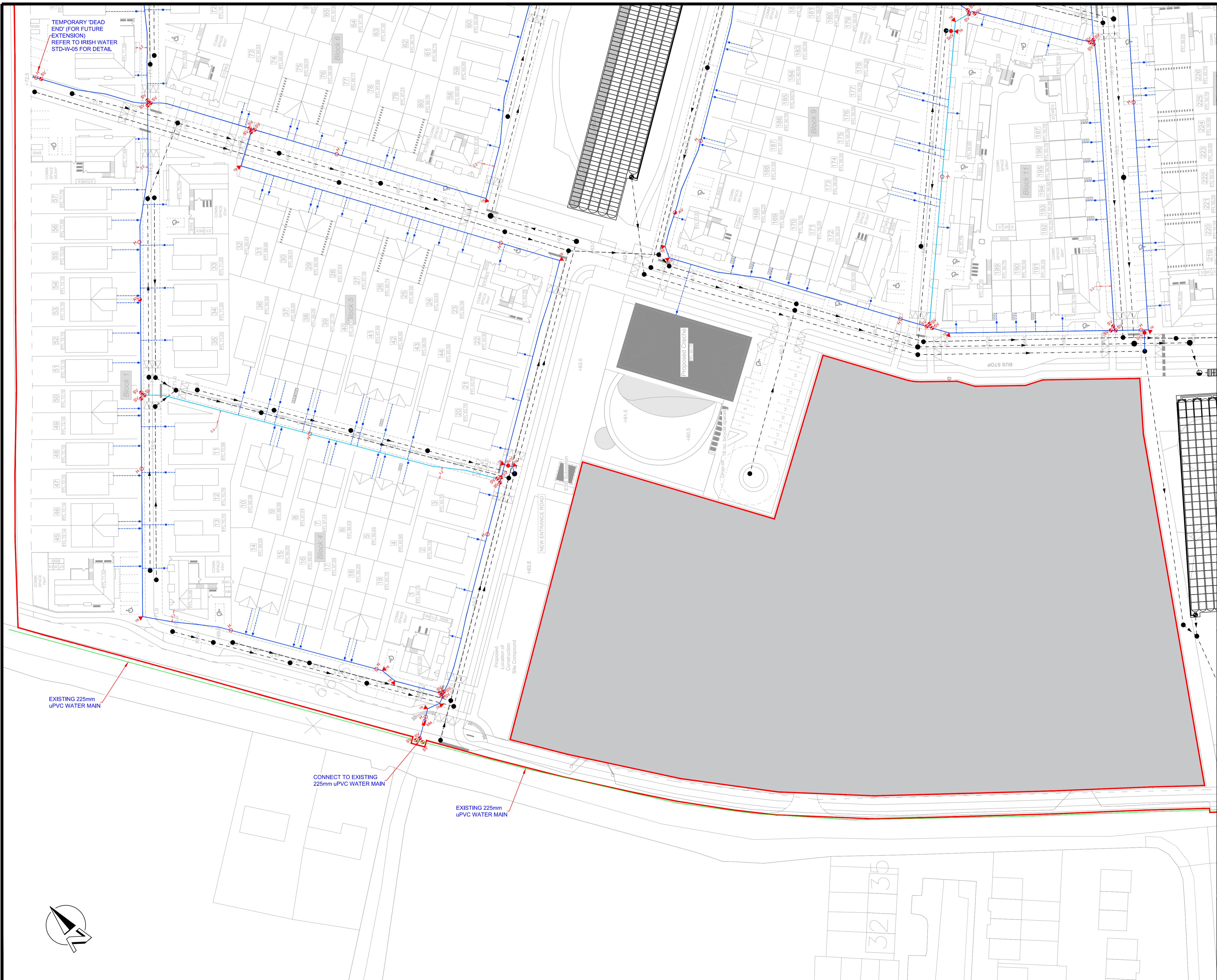
LAYOUT PLAN  
SHEET 1

**IE CONSULTING**  
WATER-ENVIRONMENTAL-CIVIL

INNOVATION CENTRE TELEPHONE: 059 91 33084  
GREEN ROAD FAX: 059 91 40499  
CARLOW EMAIL: info@iece.ie

file location:	N:\IE1505\DRAWINGS	scale:	1:500	A1
drawing status:	PLANNING	datum:	MALIN	
drawing no.	IE1505-007	drawn:	NOM	
		checked:	PMS	
		approved:	PMS	
		date:	11.01.2019	

© IE Consulting. This drawing or its contents must not be reproduced for any purpose without written permission. It is to be used only for the purpose for which it is supplied.



**LEGEND**

	PROPOSED SITE BOUNDARY
	PROPOSED 150mm ID MDPE WATER MAIN PIPE
	PROPOSED 100mm ID MDPE WATER MAIN PIPE
	PROPOSED WATER SERVICE PIPE & BOUNDARY BOX
	PROPOSED SCOUR VALVE
	PROPOSED HYDRANT
	PROPOSED SLUICE VALVE
	PROPOSED AIR VALVE
	PROPOSED THRUST BLOCK
	PROPOSED BULK WATER METER
	PROPOSED STORMWATER
	PROPOSED FOUL
	EXISTING WATER MAIN

- NOTES**
- ALL DRAINAGE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH:
    - CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7TH EDITION,
    - IRISH WATER CODE OF PRACTICE FOR WATER INFRASTRUCTURE, DECEMBER 2017
  - ALL CONNECTIONS AND FITTINGS TO BE IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS. REFER TO IRISH WATER DOCUMENT WATER INFRASTRUCTURE STANDARD DETAILS, CONNECTIONS AND DEVELOPER SERVICES, DECEMBER 2017.
  - THRUST BLOCKS TO BE PROVIDED AT JUNCTIONS, HYDRANTS AND BENDS (>11.25°).
  - PE-80 SDR17 BLUE PIPES TO BE USED FOR WATER MAINS.
  - PIPES TO SCOUR CHAMBER SHALL BE PROVIDED WITH A NON-RETURN VALVE TO PREVENT BACKFLOW AND AGREED WITH THE LOCAL AUTHORITY.
  - WHERE A MANIFOLD CHAMBER IS USED TO PROVIDE A COMMUNAL BOX, EACH DWELLING UNIT SHALL HAVE ITS OWN SUPPLY PIPE, METER AND STOP VALVE. ALL METERS IN THE MANIFOLD SHALL BE TAGGED TO INDICATE INDIVIDUAL PROPERTIES. UNUSED OUTLETS SHALL BE BLANKED OFF. REFER TO SECTION 3.15.3 OF THE IRISH WATER CODE OF PRACTICE FOR DETAILS.
  - WATER MAIN 'T' JUNCTIONS TO BE CONSTRUCTED AT 90° ANGLES AS PER IRISH WATER STD-W-07.

E	11.01.19	PLANNING	NOM	PMS
rev.	date	amendment	drn	ckd

PROPOSED HOUSING DEVELOPMENT  
CREAGH, GOREY, CO. WEXFORD

PROPOSED WATER MAINS

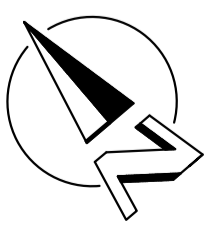
LAYOUT PLAN  
SHEET 2

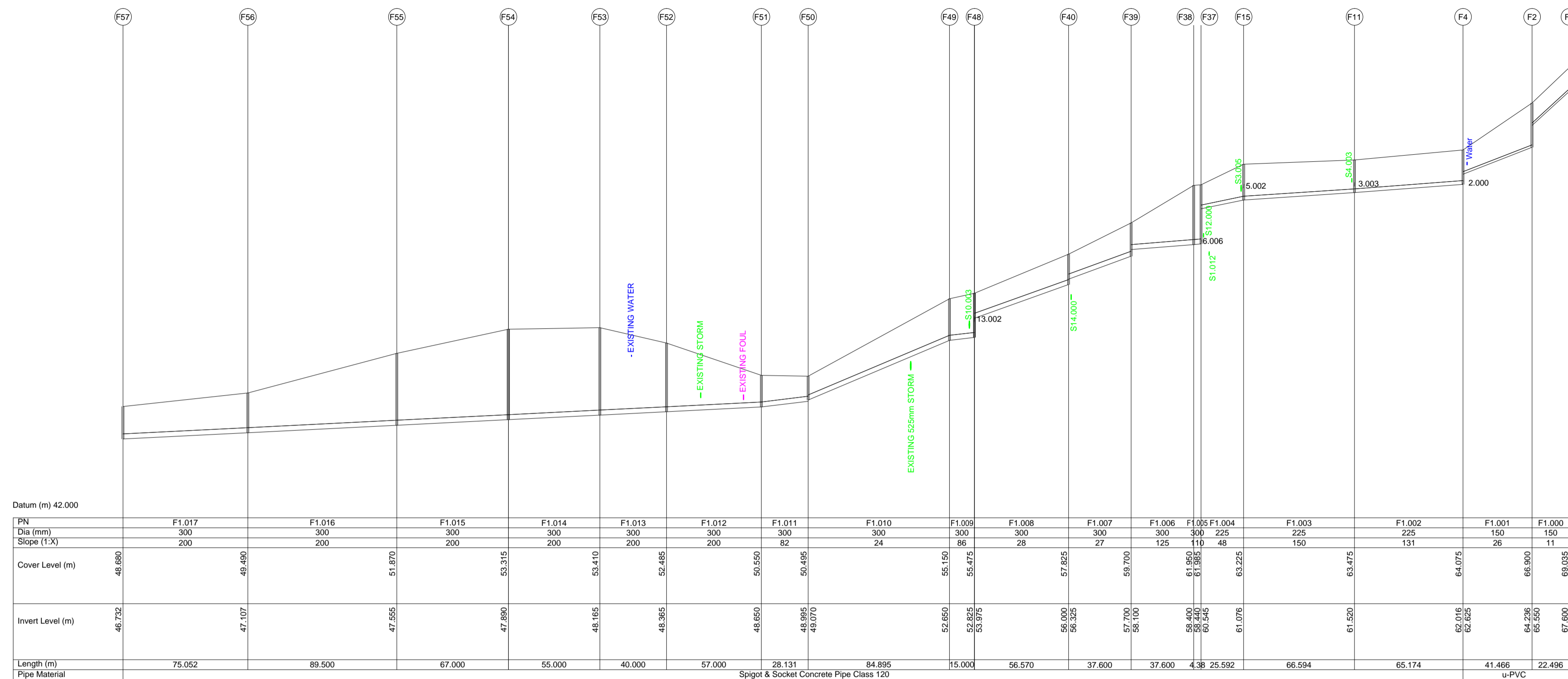
**IE CONSULTING**  
WATER-ENVIRONMENTAL-CIVIL

INNOVATION CENTRE TELEPHONE: 059 91 33084  
GREEN ROAD FAX: 059 91 40499  
CARLOW EMAIL: info@iece.ie

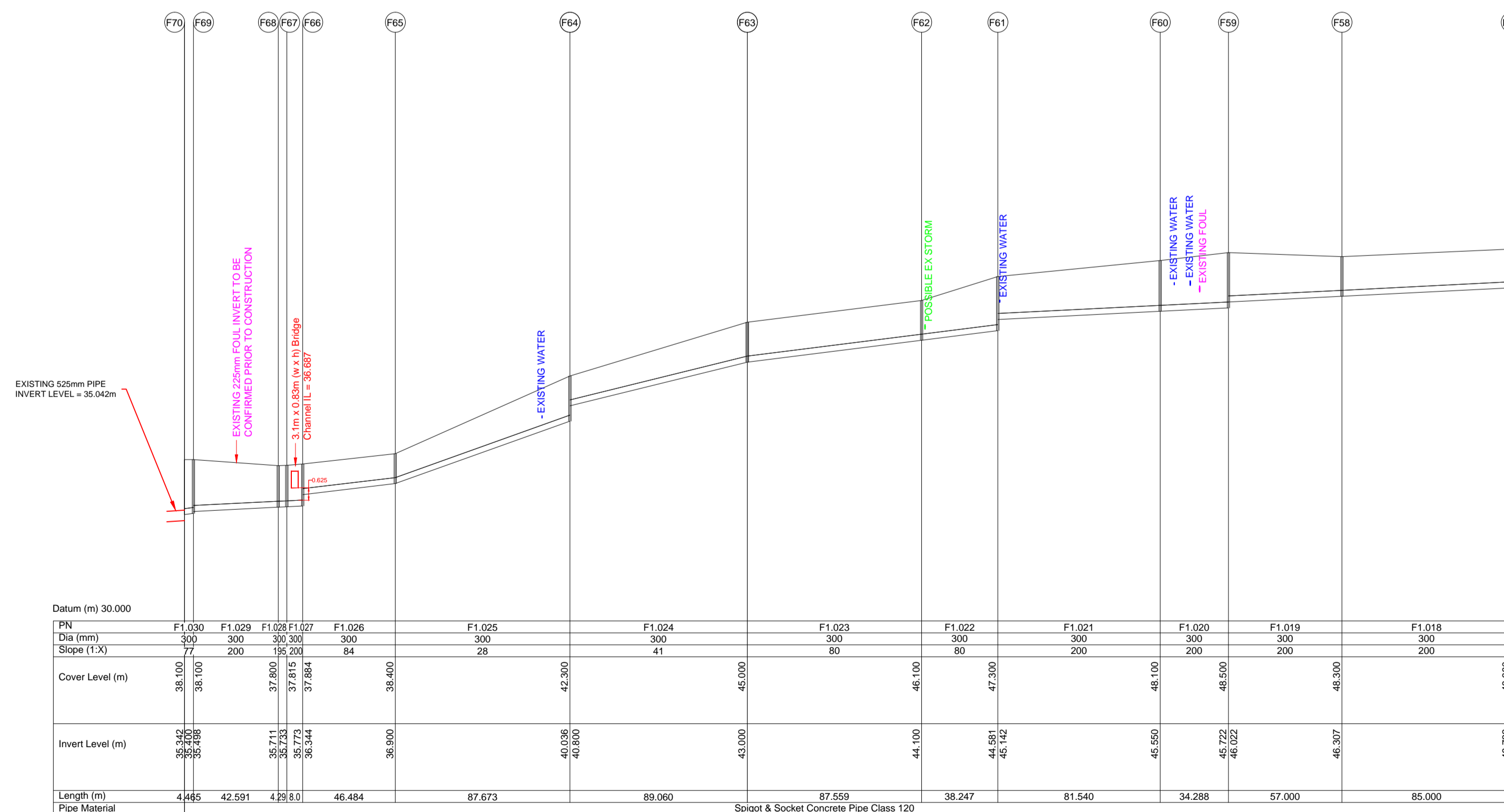
file location:	N:\E1505\DRAWINGS	scale:	1:500	A1
drawing status:	PLANNING	datum:	MALIN	
drawing no.	E1505-008	drawn:	NOM	
		checked:	PMS	
		approved:	PMS	
		date:	11.01.2019	

© IE Consulting. This drawing or its contents must not be reproduced for any purpose without written permission. It is to be used only for the purpose for which it is supplied.





**FOUL WATER PIPES F1.000 - F1.017**  
 HORIZONTAL SCALE 1:2000  
 VERTICAL SCALE 1:200



**FOUL WATER PIPES F1.017 - F1.030**  
 HORIZONTAL SCALE 1:2000  
 VERTICAL SCALE 1:200

**LEGEND**

**NOTES**

- ALL DRAINAGE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH:
  - "CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY" 7TH EDITION.
  - IRISH WATER "CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE", DECEMBER 2017 (REVISION 03)
- MANHOLE FRAME & COVER TO BE:
  - CLASS D400 IN TRAFFICED AREAS
  - CLASS B125 IN FOOTPATHS & LANDSCAPED AREAS
- FOUL PIPES CROSSING ABOVE STORMWATER PIPES SHALL BE SURROUNDED IN CONCRETE 2m ON EITHER SIDE OR HAVE NO PIPE JOINTS WITHIN 2m EITHER SIDE OF THE CROSSING POINT.
- REFER TO DRAWING IE1505-013-E FOR ADDITIONAL STANDARD DETAILS.
- REFER TO DRAWINGS IE1505-002-E TO IE1505-006-E, FOR FOUL WATER LAYOUT PLANS
- BACKDROP MANHOLES SHALL BE A MAXIMUM OF 2.5m IN DEPTH. BACKDROPS GREATER THAN 1.7m SHALL COMPLY TO IRISH WATER STANDARD DETAIL STD-WW-12 TYPE 1.

E	11.01.19	PLANNING		NOM	PMS
rev.	date	amendment		drn	ckd

PROPOSED HOUSING DEVELOPMENT  
 CREAGH, GOREY, CO. WEXFORD

PROPOSED FOUL & STORMWATER  
 DRAINAGE

FOUL WATER LONG SECTIONS  
 SHEET 1 OF 2



INNOVATION CENTRE TELEPHONE: 059 91 33084  
 GREEN ROAD FAX: 059 91 40499  
 CARLOW EMAIL: info@iece.ie

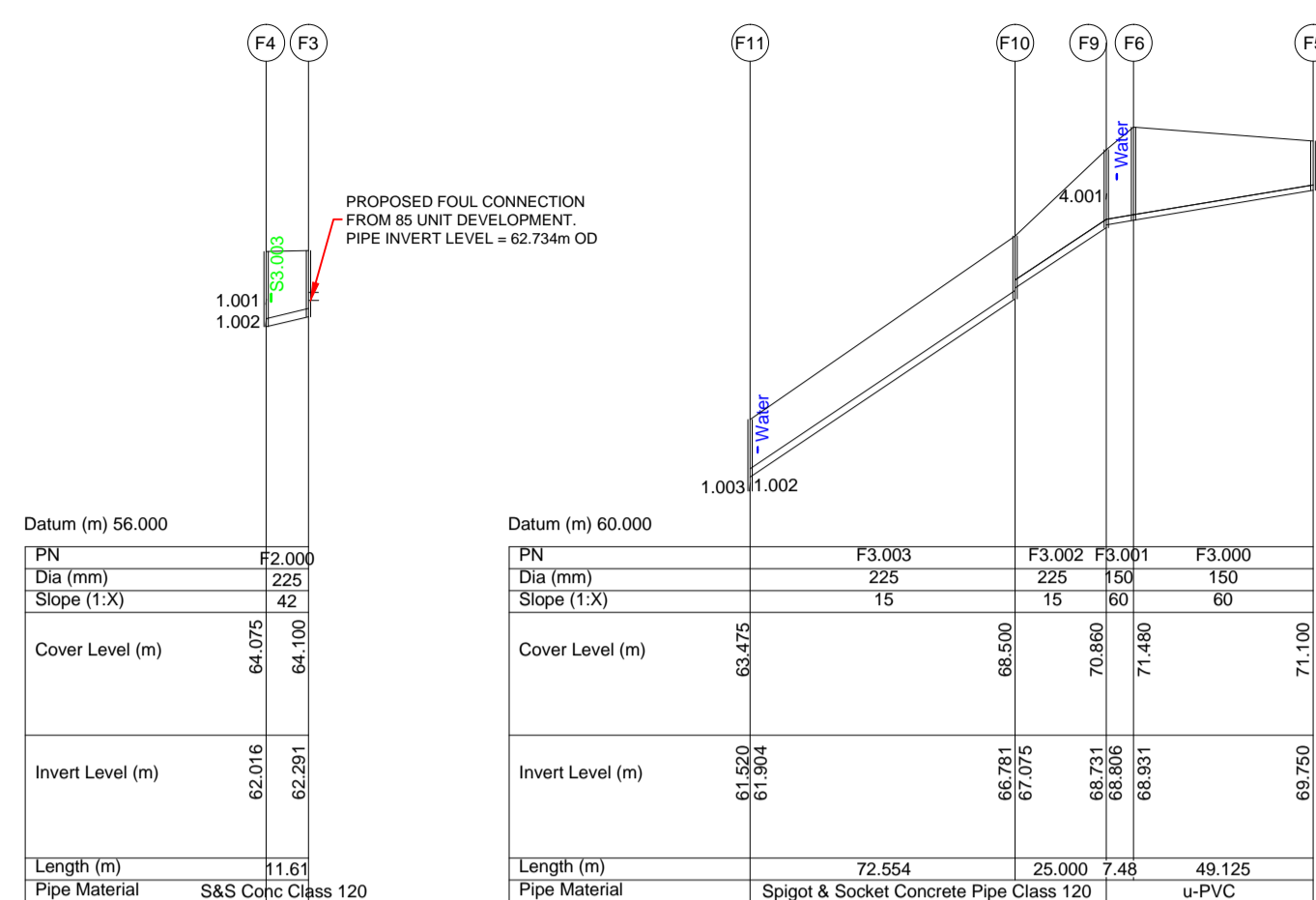
file location:	N:\IE1505\DRAWINGS	scale:	AS SHOWN	A1
drawing status:	PLANNING	datum:	MALIN	
drawing no.	IE1505-011	drawn:	NOM	
		checked:	PMS	
		approved:	PMS	
		date:	11.01.2019	

© IE Consulting. This drawing or its contents must not be reproduced for any purpose without written permission. It is to be used only for the purpose for which it is supplied.

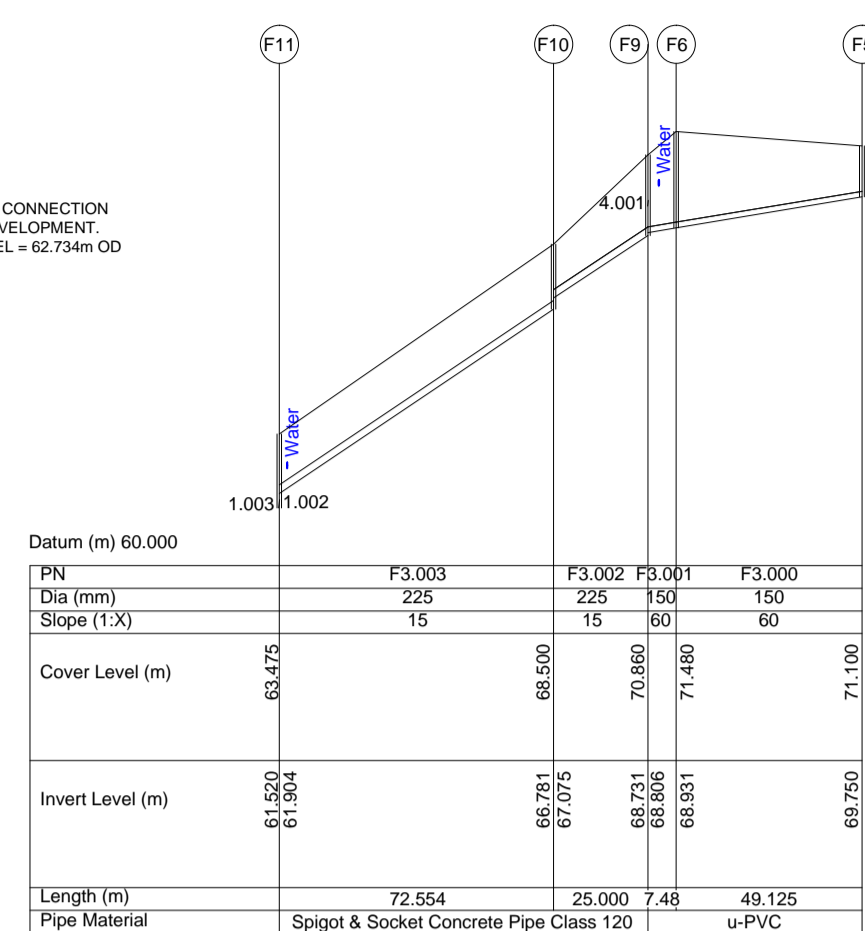
**LEGEND**

**NOTES**

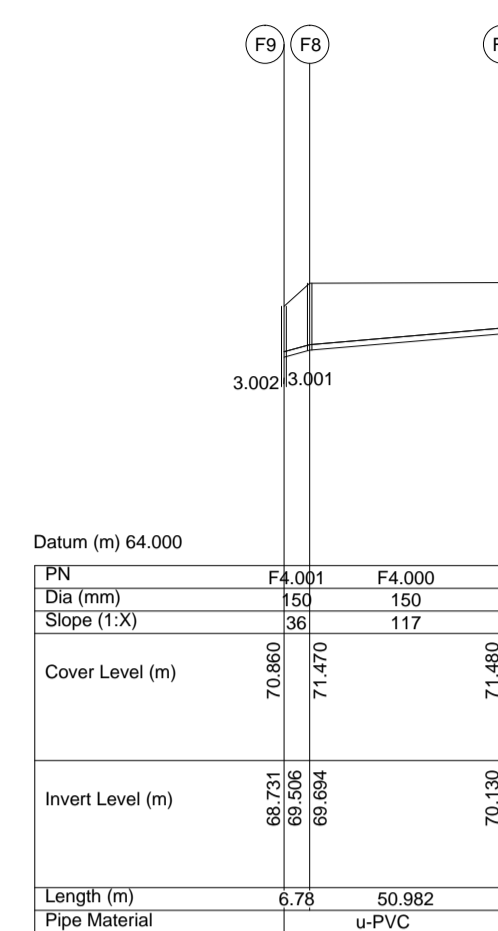
- ALL DRAINAGE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH:
  - "CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY" 7TH EDITION.
  - IRISH WATER "CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE", DECEMBER 2017 (REVISION 03)
- MANHOLE FRAME & COVER TO BE:
  - CLASS D400 IN TRAFFICKED AREAS
  - CLASS B125 IN FOOTPATHS & LANDSCAPED AREAS
- FOUL PIPES CROSSING ABOVE STORMWATER PIPES SHALL BE SURROUNDED IN CONCRETE 2m ON EITHER SIDE OR HAVE NO PIPE JOINTS WITHIN 2m EITHER SIDE OF THE CROSSING POINT.
- REFER TO DRAWING IE1505-013-E FOR ADDITIONAL STANDARD DETAILS.
- REFER TO DRAWINGS IE1505-002-E TO IE1505-006-E, FOR FOUL WATER LAYOUT PLANS
- BACKDROP MANHOLES SHALL BE A MAXIMUM OF 2.5m IN DEPTH. BACKDROPS GREATER THAN 1.7m SHALL COMPLY TO IRISH WATER STANDARD DETAIL STD-WW-12 TYPE 1.



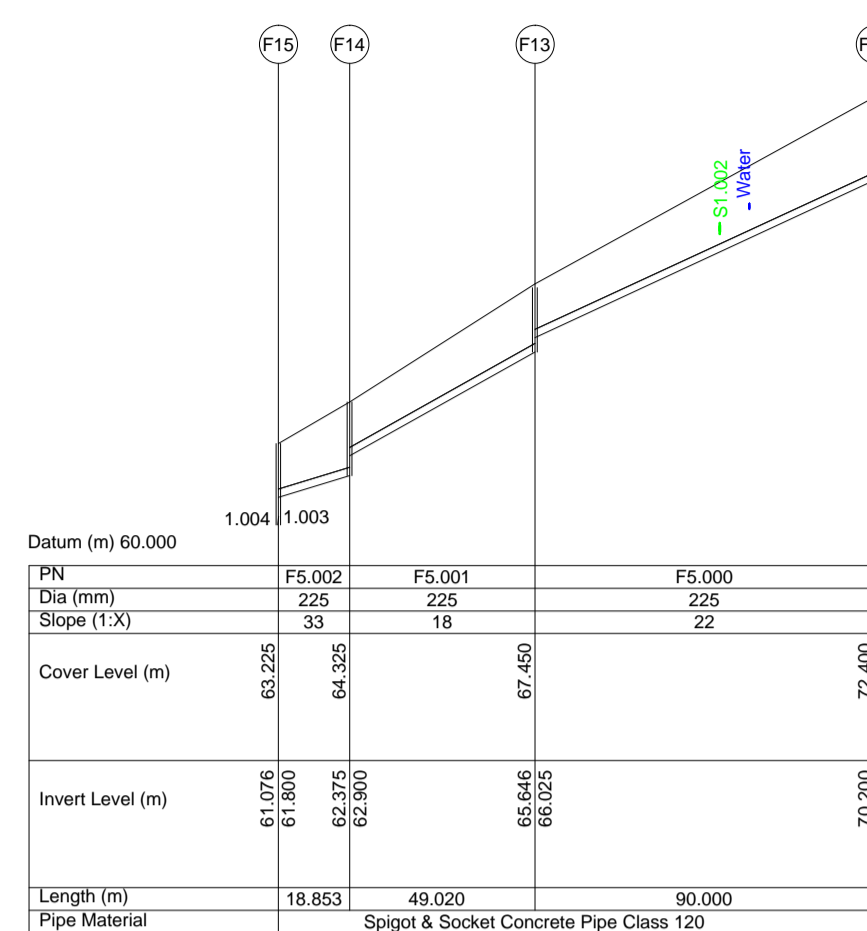
**FOUL WATER PIPE F2.000**  
HORIZONTAL SCALE 1:2000  
VERTICAL SCALE 1:200



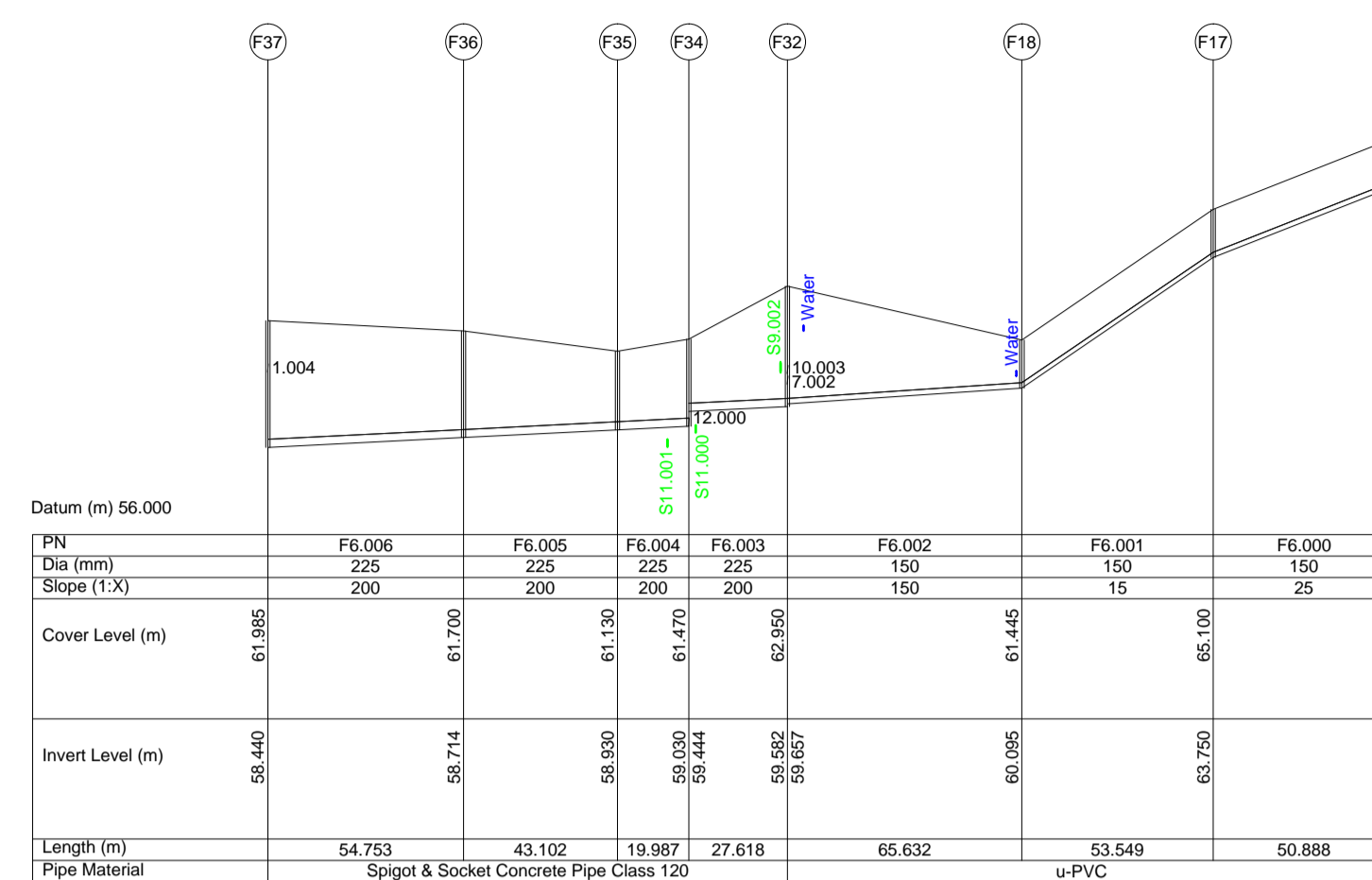
**FOUL WATER PIPES F3.000 - F3.003**  
HORIZONTAL SCALE 1:2000  
VERTICAL SCALE 1:200



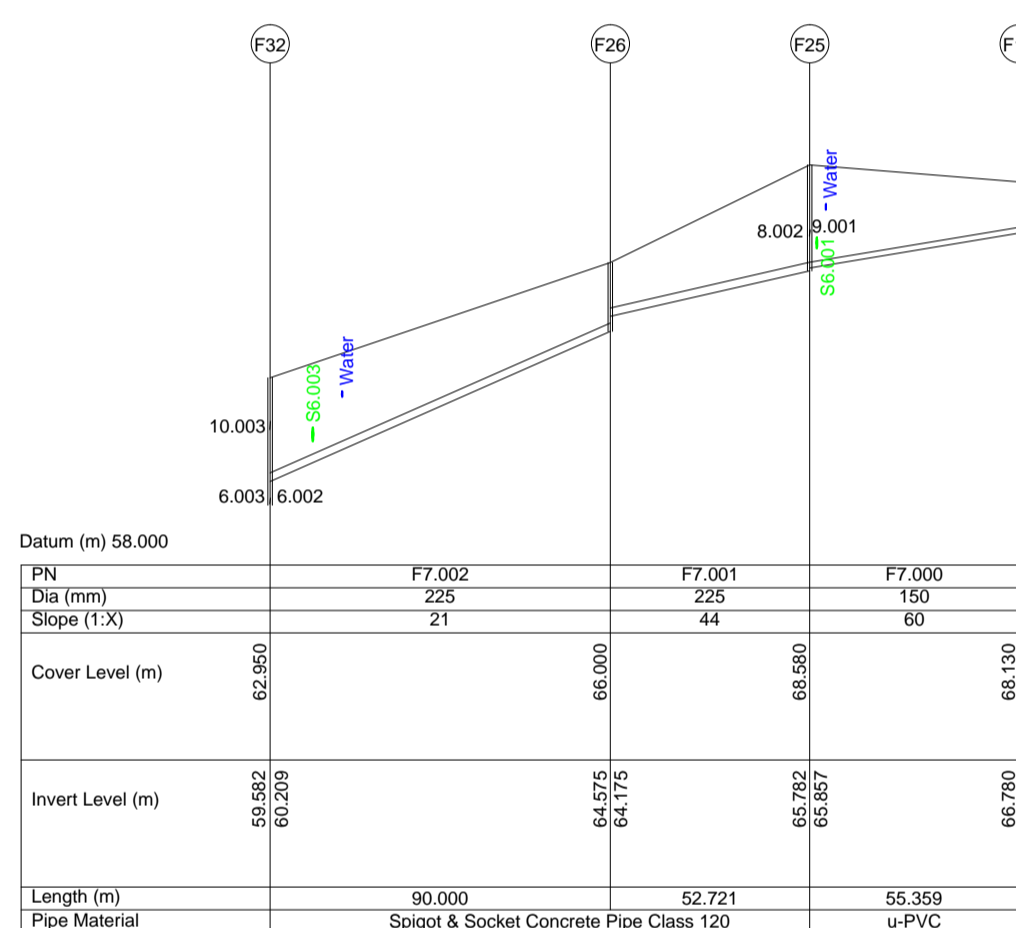
**FOUL WATER PIPES F4.000 - F4.001**  
HORIZONTAL SCALE 1:2000  
VERTICAL SCALE 1:200



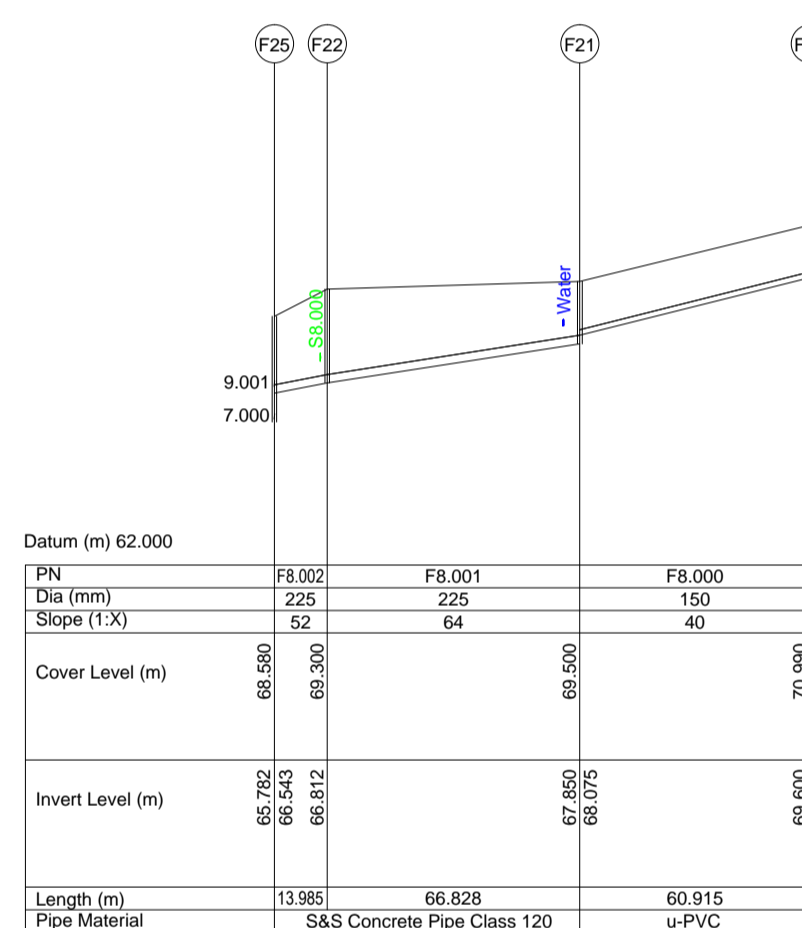
**FOUL WATER PIPES F5.000 - F5.002**  
HORIZONTAL SCALE 1:2000  
VERTICAL SCALE 1:200



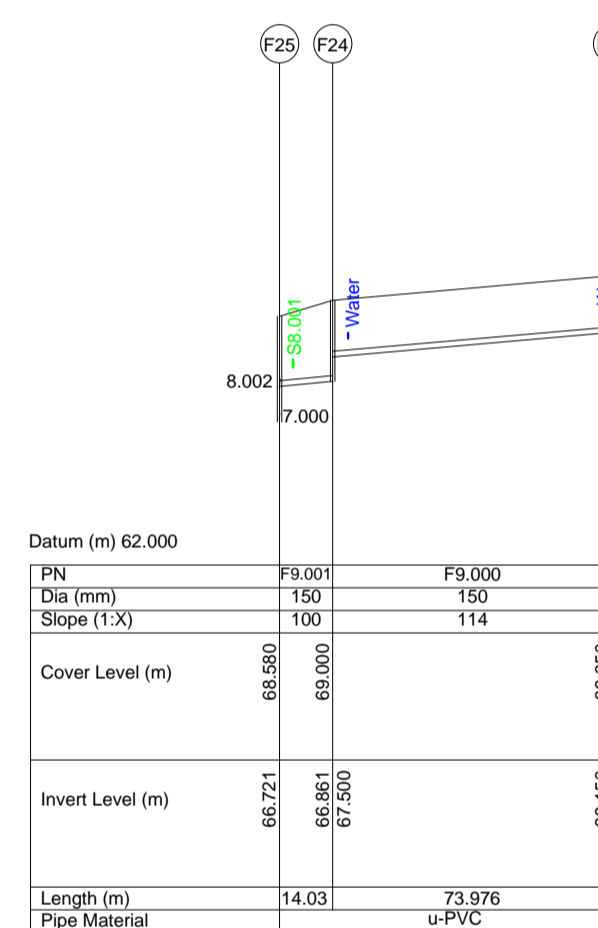
**FOUL WATER PIPES F6.000 - F6.006**  
HORIZONTAL SCALE 1:2000  
VERTICAL SCALE 1:200



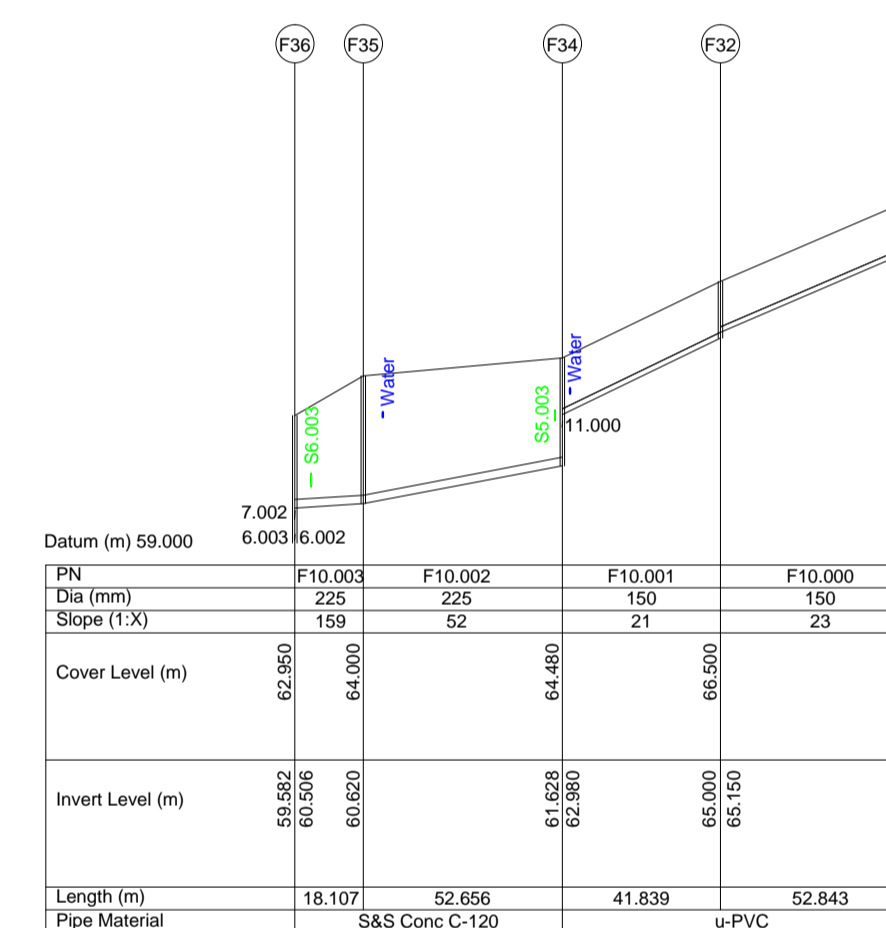
**FOUL WATER PIPES F7.000 - F7.002**  
HORIZONTAL SCALE 1:2000  
VERTICAL SCALE 1:200



**FOUL WATER PIPES F8.000 - F8.002**  
HORIZONTAL SCALE 1:2000  
VERTICAL SCALE 1:200



**FOUL WATER PIPES F9.000 - F9.001**  
HORIZONTAL SCALE 1:2000  
VERTICAL SCALE 1:200



**FOUL WATER PIPES F10.000 - F10.003**  
HORIZONTAL SCALE 1:2000  
VERTICAL SCALE 1:200

rev.	date	amendment	drn	PMS
E	11.01.19	PLANNING		NOM

PROPOSED HOUSING DEVELOPMENT  
CREAGH, GOREY, CO. WEXFORD

PROPOSED FOUL & STORMWATER  
DRAINAGE

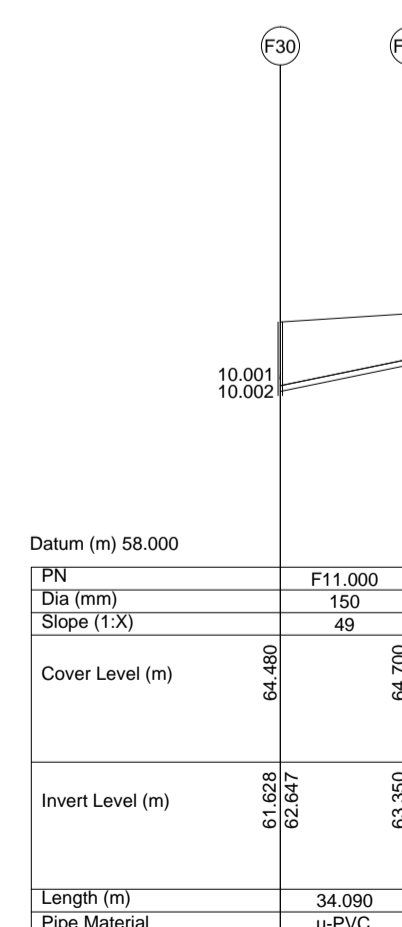
FOUL WATER LONG SECTIONS  
SHEET 2 OF 2



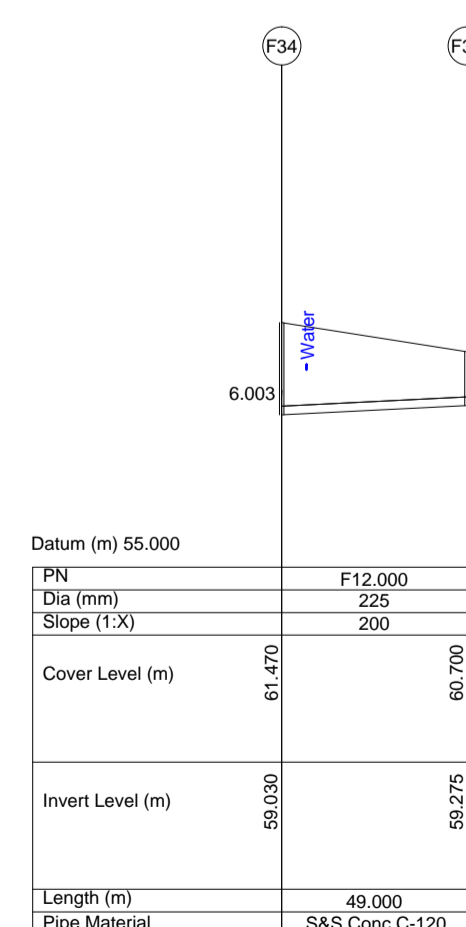
INNOVATION CENTRE TELEPHONE: 059 91 33084  
GREEN ROAD FAX: 059 91 40499  
CARLOW EMAIL: info@iece.ie

File location:	N:\IE1505\DRAWINGS	scale:	AS SHOWN	A1
drawing status:	PLANNING	datum:	MALIN	
drawing no.	IE1505-012	drawn:	NOM	
		checked:	PMS	
		approved:	PMS	
		date:	11.01.2019	

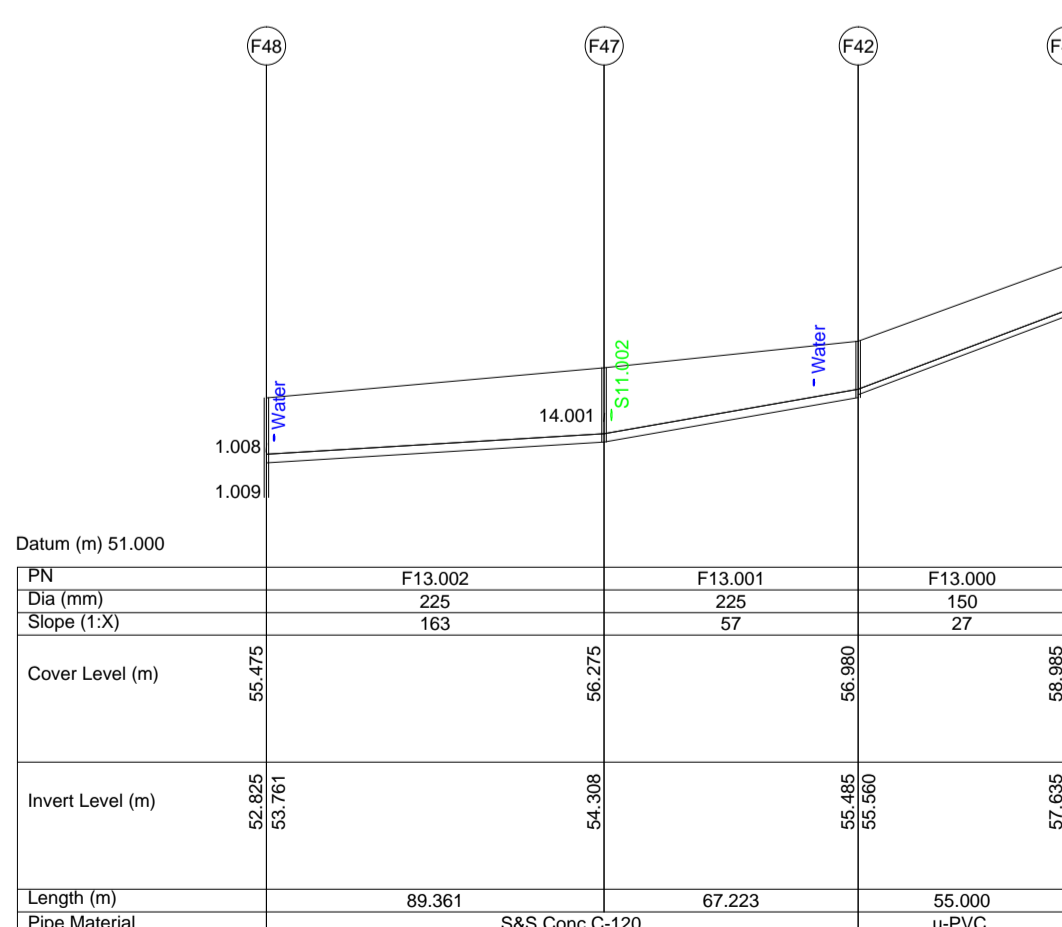
© IE Consulting. This drawing or its contents must not be reproduced for any purpose without written permission. It is to be used only for the purpose for which it is supplied.



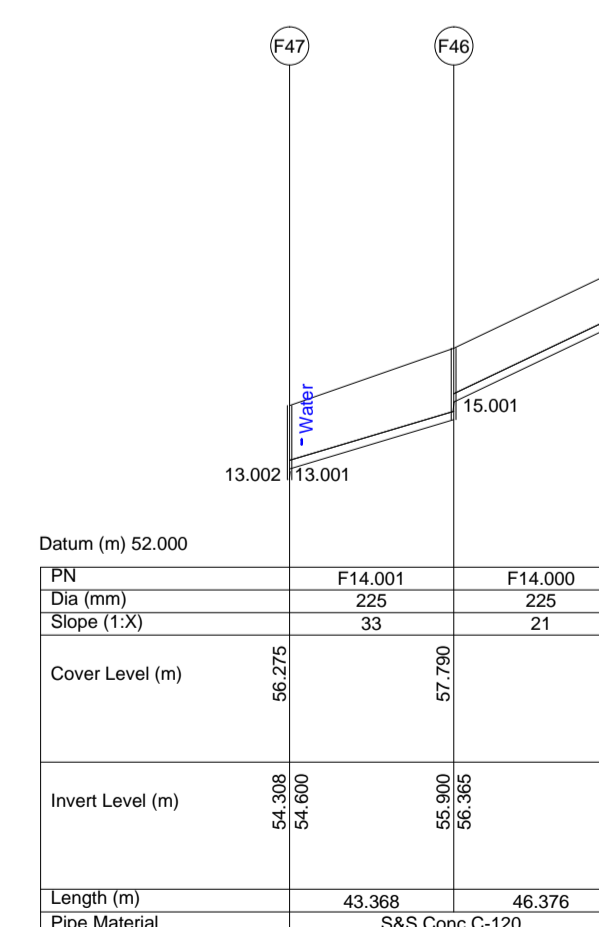
**FOUL WATER PIPE F11.000**  
HORIZONTAL SCALE 1:2000  
VERTICAL SCALE 1:200



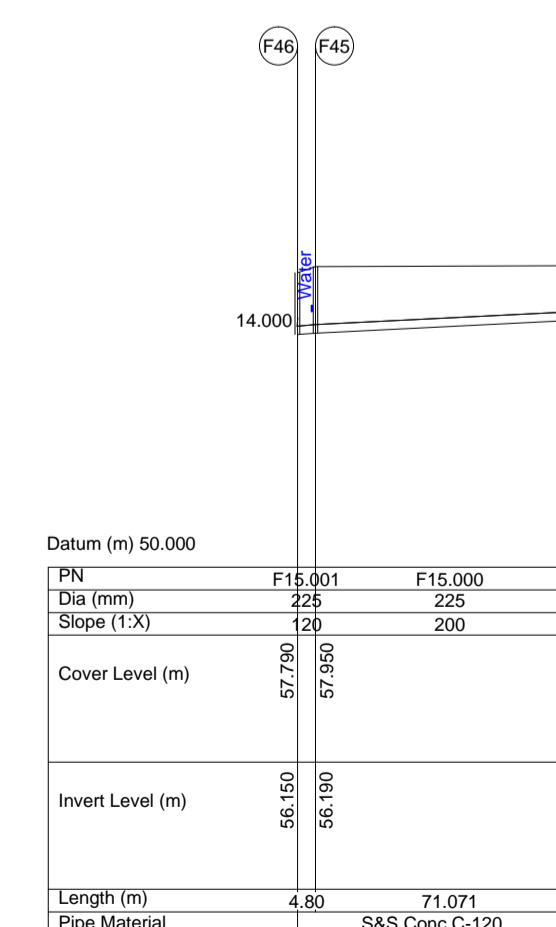
**FOUL WATER PIPE F12.000**  
HORIZONTAL SCALE 1:2000  
VERTICAL SCALE 1:200



**FOUL WATER PIPES F13.000 - F13.002**  
HORIZONTAL SCALE 1:2000  
VERTICAL SCALE 1:200

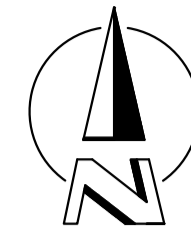


**FOUL WATER PIPES F14.000 - F14.001**  
HORIZONTAL SCALE 1:2000  
VERTICAL SCALE 1:200



**FOUL WATER PIPES F15.000 - F15.001**  
HORIZONTAL SCALE 1:2000  
VERTICAL SCALE 1:200

BALLOWEN or RAMSFORT PARK



SHEET 1

SHEET 2

SHEET 4

SHEET 3

SHEET 5

SHEET 6

**LEGEND**

 PROPOSED SITE BOUNDARY

E	11.01.19	PLANNING	NOM	PMS
rev.	date	amendment	drn	ckd

PROPOSED HOUSING DEVELOPMENT  
CREAGH, GOREY, CO. WEXFORD

PROPOSED FOUL, STORMWATER & WATER  
MAINS

KEY PLAN

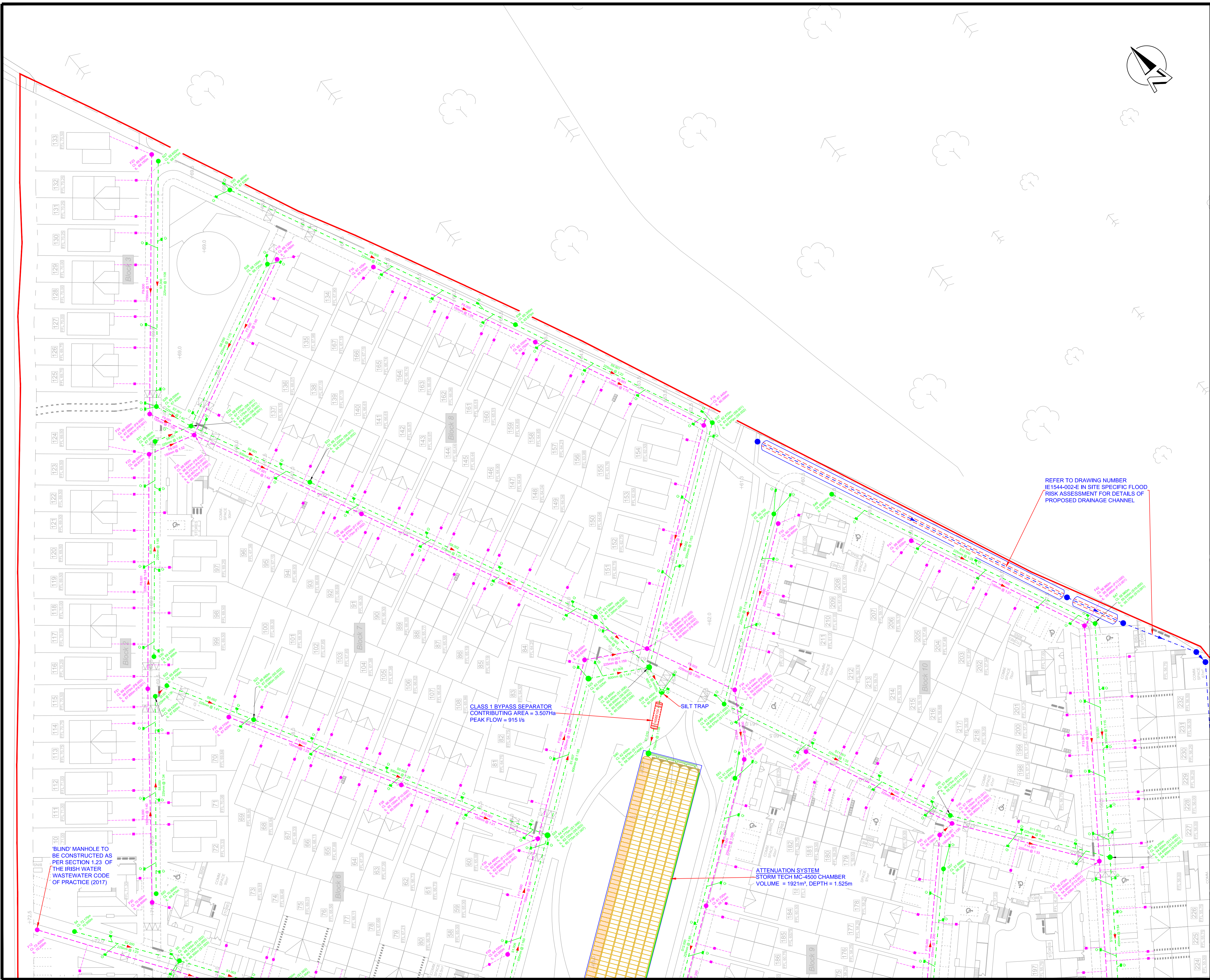


**IE CONSULTING**  
WATER-ENVIRONMENTAL-CIVIL

INNOVATION CENTRE TELEPHONE: 059 91 33084  
GREEN ROAD FAX: 059 91 40499  
CARLOW EMAIL: info@iece.ie

file location:	N:\IE1505\DRAWINGS	scale:	1:2000	A1
drawing status:	PLANNING	datum:	MALIN	
drawing no.	IE1505-000	drawn:	NOM	
		checked:	PMS	
		approved:	PMS	
		date:	11.01.2019	

© IE Consulting. This drawing or its contents must not be reproduced for any purpose without written permission. It is to be used only for the purpose for which it is supplied.



**LEGEND**

- PROPOSED SITE BOUNDARY
- - - PROPOSED STORMWATER PIPE
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER SILT TRAP/CATCH PIT
- PROPOSED VORTEX FLOW CONTROL DEVICE & MANHOLE CHAMBER
- PROPOSED ROAD GULLY
- EXISTING ROAD GULLY
- EXISTING STORMWATER
- PROPOSED FOUL MANHOLE
- - - PROPOSED FOUL GRAVITY PIPE
- - - PROPOSED FOUL SERVICE CONNECTION PIPE & INSPECTION CHAMBER
- PROPOSED DRAINAGE PIPE & CHANNEL
- EXISTING FOUL
- EXISTING WATER MAIN
- STORM PROPOSED FOR ADJACENT 85 UNIT DEVELOPMENT
- FOUL PROPOSED FOR ADJACENT 85 UNIT DEVELOPMENT

**NOTES**

1. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH:
  - CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7TH EDITION
  - IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE DECEMBER 2017 (REVISION 03)
2. MANHOLE FRAME & COVER TO BE:
  - CLASS D400 IN TRAFFICKED AREAS
  - CLASS B125 IN FOOTPATHS & LANDSCAPED AREAS
3. REFER TO IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS DECEMBER 2017 (REVISION 03) FOR FOUL WATER STANDARD DETAILS.
4. REFER TO DRAWING IE1505-013-E FOR STORMWATER STANDARD DETAILS.
5. REFER TO DRAWINGS IE1505-009-E, IE1505-010-E, IE1505-011-E, IE1505-012-E, FOR FOUL AND STORMWATER LONG SECTIONS.
6. REFER TO DRAWINGS IE1505-014-E, IE1505-015-E, IE1505-016-E, IE1505-017-E, FOR FOUL AND STORMWATER REINSTATEMENT DRAWINGS.
7. PETROL INTERCEPTOR SHALL BE A CLASS 1 BYPASS INTERCEPTOR/SEPARATOR IN ACCORDANCE WITH BS EN 858-1:2002 and BS EN 858-2:2003.
8. REFER TO REFER TO DRAWING NUMBER IE1544-002-E IN SITE SPECIFIC FLOOD RISK ASSESSMENT FOR DETAILS OF PROPOSED DRAINAGE CHANNEL.
9. FOUL SEWER PIPE MATERIALS SHALL BE AS FOLLOWS:
  - 150mm Ø SEWER PIPE AND 100mm SERVICE CONNECTIONS SHALL BE uPVC TO IS EN 1401 2009/2012
  - 225mm TO 300mm Ø PIPE SHALL BE CONCRETE SPIGOT & SOCKET RUBBER RING JOINT, CLASS C120.
10. STORM PIPE MATERIALS SHALL BE AS FOLLOWS:
  - 225mm TO 450mm Ø PIPE SHALL BE HDPE HDPE TWINWALL
  - 600mm TO 750mm Ø PIPE SHALL BE CONCRETE SPIGOT & SOCKET RUBBER RING JOINT, CLASS C120.

E	11.01.19	PLANNING	NOM	PMS
rev.	date	amendment	drn	ckd

**PROPOSED HOUSING DEVELOPMENT**  
CREAGH, GOREY, CO. WEXFORD

**PROPOSED FOUL & STORMWATER DRAINAGE**

**LAYOUT PLAN**  
SHEET 1

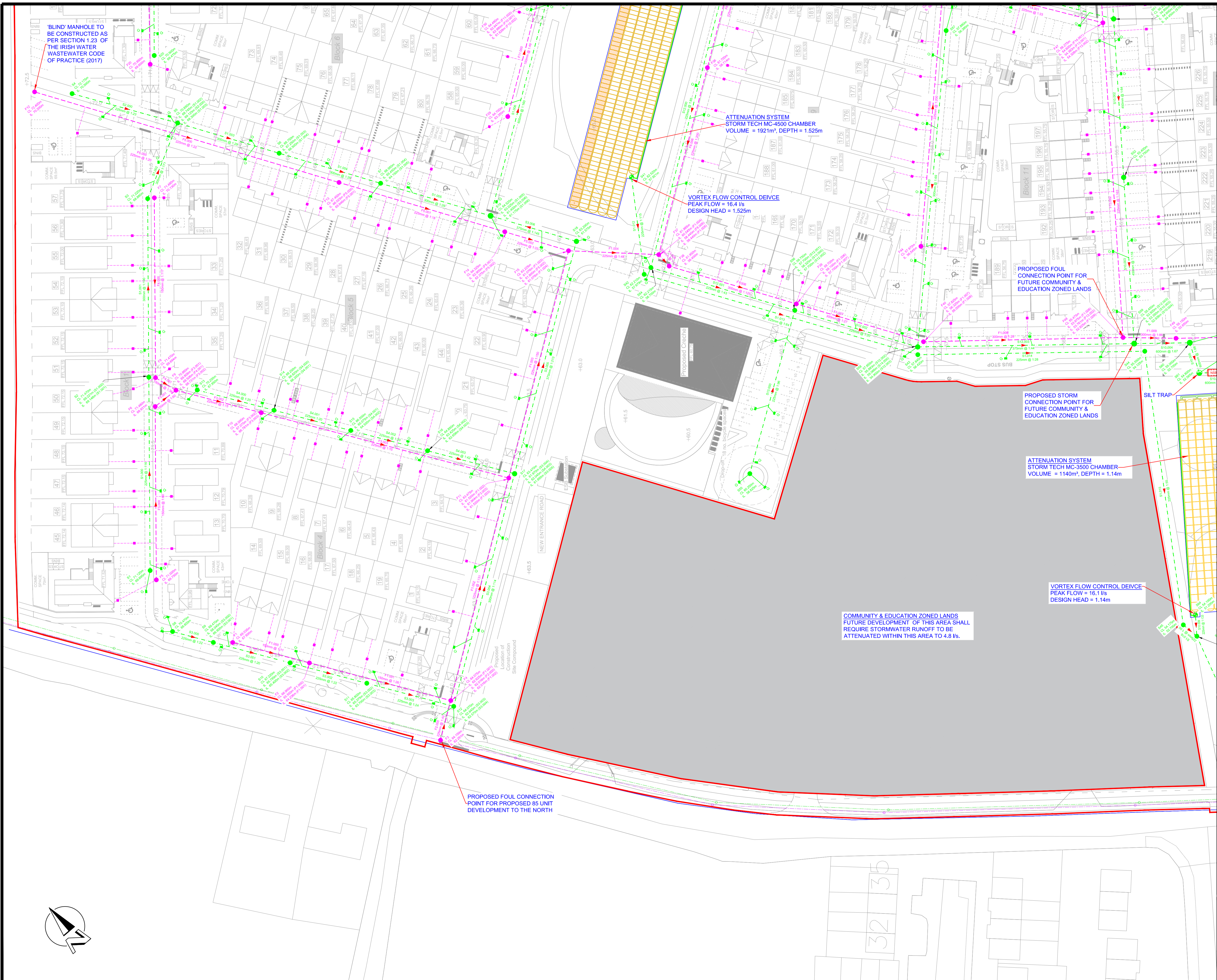
**IE CONSULTING**  
WATER-ENVIRONMENTAL-CIVIL

INNOVATION CENTRE TELEPHONE: 059 91 33084  
GREEN ROAD FAX: 059 91 40499  
CARLOW EMAIL: info@iecce.ie

file location: N\IE1505\DRAWINGS	scale: 1:500	A1
drawing status: PLANNING	datum: MALIN	
drawing no. IE1505-001	rev E	checked: PMS
		approved: PMS
		date: 11.01.2019

© IE Consulting. This drawing or its contents must not be reproduced for any purpose without written permission. It is to be used only for the purpose for which it is supplied.





**LEGEND**

- PROPOSED SITE BOUNDARY
- PROPOSED STORMWATER PIPE
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER SILT TRAP/CATCH PIT
- ⊗ PROPOSED VORTEX FLOW CONTROL DEVICE & MANHOLE CHAMBER
- ⊕ PROPOSED ROAD GULLY
- ⊖ EXISTING ROAD GULLY
- EXISTING STORMWATER
- PROPOSED FOUL MANHOLE
- PROPOSED FOUL GRAVITY PIPE
- PROPOSED FOUL SERVICE CONNECTION PIPE & INSPECTION CHAMBER
- PROPOSED DRAINAGE PIPE & CHANNEL
- EXISTING FOUL
- EXISTING WATER MAIN
- STORM PROPOSED FOR ADJACENT 85 UNIT DEVELOPMENT
- FOUL PROPOSED FOR ADJACENT 85 UNIT DEVELOPMENT

- NOTES**
1. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH:
    - CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7TH EDITION
    - IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE DECEMBER 2017 (REVISION 03)
  2. MANHOLE FRAME & COVER TO BE: CLASS D400 IN TRAFFICKED AREAS CLASS B125 IN FOOTPATHS & LANDSCAPED AREAS
  3. REFER TO IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS DECEMBER 2017 (REVISION 03) FOR FOUL WATER STANDARD DETAILS
  4. REFER TO DRAWING IE1505-013-E FOR STORMWATER STANDARD DETAILS.
  5. REFER TO DRAWINGS IE1505-009-E, IE1505-010-E, IE1505-011-E, IE1505-012-E, FOR FOUL AND STORMWATER LONG SECTIONS
  6. REFER TO DRAWINGS IE1505-014-E, IE1505-015-E, IE1505-016-E, IE1505-017-E, FOR FOUL AND STORMWATER REINSTATEMENT DRAWINGS.
  7. PETROL INTERCEPTOR SHALL BE A CLASS 1 BYPASS INTERCEPTOR/SEPARATOR IN ACCORDANCE WITH BS EN 858-1:2002 and BS EN 858-2:2003.
  8. REFER TO REFER TO DRAWING NUMBER IE1544-002-E IN SITE SPECIFIC FLOOD RISK ASSESSMENT FOR DETAILS OF PROPOSED DRAINAGE CHANNEL.
  9. FOUL SEWER PIPE MATERIALS SHALL BE AS FOLLOWS:
    - 150mm Ø SEWER PIPE AND 100mm SERVICE CONNECTIONS SHALL BE uPVC TO IS EN 1401 2009/2012
    - 225mm TO 300mm Ø PIPE SHALL BE CONCRETE SPIGOT & SOCKET RUBBER RING JOINT, CLASS C120.
  10. STORM PIPE MATERIALS SHALL BE AS FOLLOWS:
    - 225mm TO 450mm Ø PIPE SHALL BE HDPE HDPE TWINWALL
    - 600mm TO 750mm Ø PIPE SHALL BE CONCRETE SPIGOT & SOCKET RUBBER RING JOINT, CLASS C120.

rev.	date	amendment	drn	PMS
E	11.01.19	PLANNING	NOM	PMS

**PROPOSED HOUSING DEVELOPMENT**  
 CREGAH, GOREY, CO. WEXFORD

**PROPOSED FOUL & STORMWATER DRAINAGE**

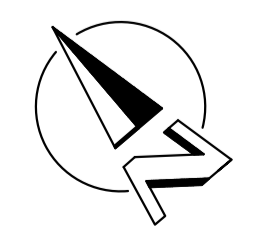
LAYOUT PLAN  
 SHEET 2

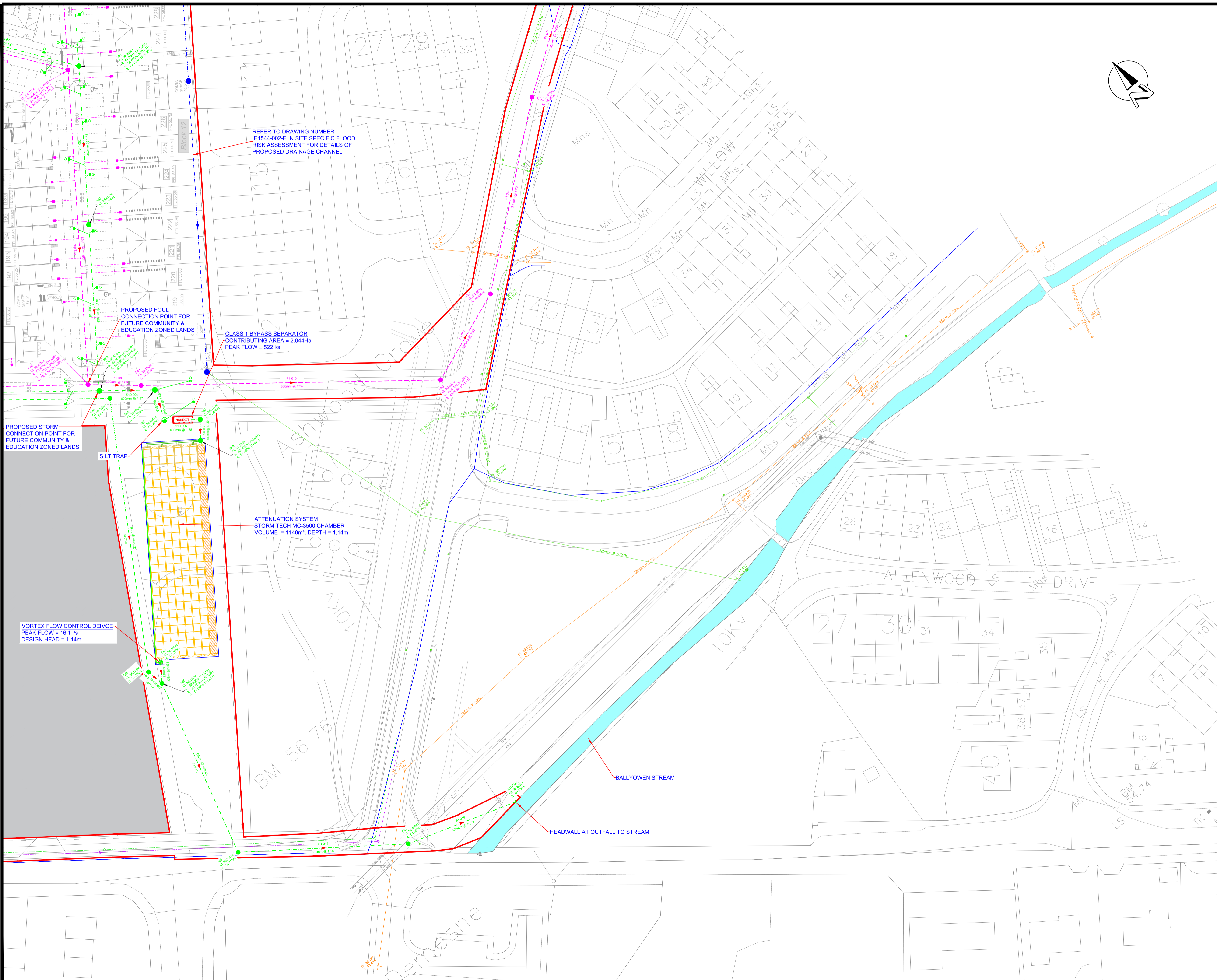
**IE CONSULTING**  
 WATER-ENVIRONMENTAL-CIVIL

INNOVATION CENTRE TELEPHONE: 059 91 33084  
 GREEN ROAD FAX: 059 91 40499  
 CARLOW EMAIL: info@iece.ie

file location:	N\IE1505\DRAWINGS	scale:	1:500	A1
drawing status:	PLANNING	datum:	MALIN	
drawing no.	IE1505-002	drawn:	NOM	
		checked:	PMS	
		approved:	PMS	
		date:	11.01.2019	

© IE Consulting. This drawing or its contents must not be reproduced for any purpose without written permission. It is to be used only for the purpose for which it is supplied.





**LEGEND**

- PROPOSED SITE BOUNDARY
- PROPOSED STORMWATER PIPE
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER SILT TRAP/CATCH PIT
- PROPOSED VORTEX FLOW CONTROL DEVICE & MANHOLE CHAMBER
- PROPOSED ROAD GULLY
- EXISTING ROAD GULLY
- EXISTING STORMWATER
- PROPOSED FOUL MANHOLE
- PROPOSED FOUL GRAVITY PIPE
- PROPOSED FOUL SERVICE CONNECTION PIPE & INSPECTION CHAMBER
- PROPOSED DRAINAGE PIPE & CHANNEL
- EXISTING FOUL
- EXISTING WATER MAIN
- STORM PROPOSED FOR ADJACENT 85 UNIT DEVELOPMENT
- FOUL PROPOSED FOR ADJACENT 85 UNIT DEVELOPMENT

- NOTES**
1. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH:
    - CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7TH EDITION
    - IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE DECEMBER 2017 (REVISION 03)
  2. MANHOLE FRAME & COVER TO BE: CLASS D400 IN TRAFFICKED AREAS CLASS B125 IN FOOTPATHS & LANDSCAPED AREAS
  3. REFER TO IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS DECEMBER 2017 (REVISION 03) FOR FOUL WATER STANDARD DETAILS
  4. REFER TO DRAWING IE1505-013-E FOR STORMWATER STANDARD DETAILS.
  5. REFER TO DRAWINGS IE1505-009-E, IE1505-010-E, IE1505-011-E, IE1505-012-E, FOR FOUL AND STORMWATER LONG SECTIONS
  6. REFER TO DRAWINGS IE1505-014-E, IE1505-015-E, IE1505-016-E, IE1505-017-E, FOR FOUL AND STORMWATER REINSTATEMENT DRAWINGS.
  7. PETROL INTERCEPTOR SHALL BE A CLASS 1 BYPASS INTERCEPTOR/SEPARATOR IN ACCORDANCE WITH BS EN 858-1:2002 AND BS EN 858-2:2003.
  8. REFER TO REFER TO DRAWING NUMBER IE1544-002-E IN SITE SPECIFIC FLOOD RISK ASSESSMENT FOR DETAILS OF PROPOSED DRAINAGE CHANNEL.
  9. FOUL SEWER PIPE MATERIALS SHALL BE AS FOLLOWS:
    - 150mm Ø SEWER PIPE AND 100mm SERVICE CONNECTIONS SHALL BE uPVC TO IS EN 1401 2009/2012
    - 225mm TO 300mm Ø PIPE SHALL BE CONCRETE SPIGOT & SOCKET RUBBER RING JOINT, CLASS C120.
  10. STORM PIPE MATERIALS SHALL BE AS FOLLOWS:
    - 225mm TO 450mm Ø PIPE SHALL BE HDPE HDPE TWINWALL
    - 600mm TO 750mm Ø PIPE SHALL BE CONCRETE SPIGOT & SOCKET RUBBER RING JOINT, CLASS C120.

E	11.01.19	PLANNING	NOM	PMS
rev.	date	amendment	drn	ckd

**PROPOSED HOUSING DEVELOPMENT**  
CREAGH, GOREY, CO. WEXFORD

**PROPOSED FOUL & STORMWATER DRAINAGE**

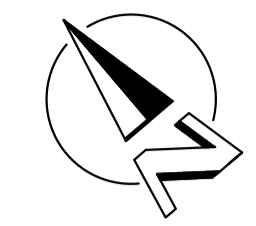
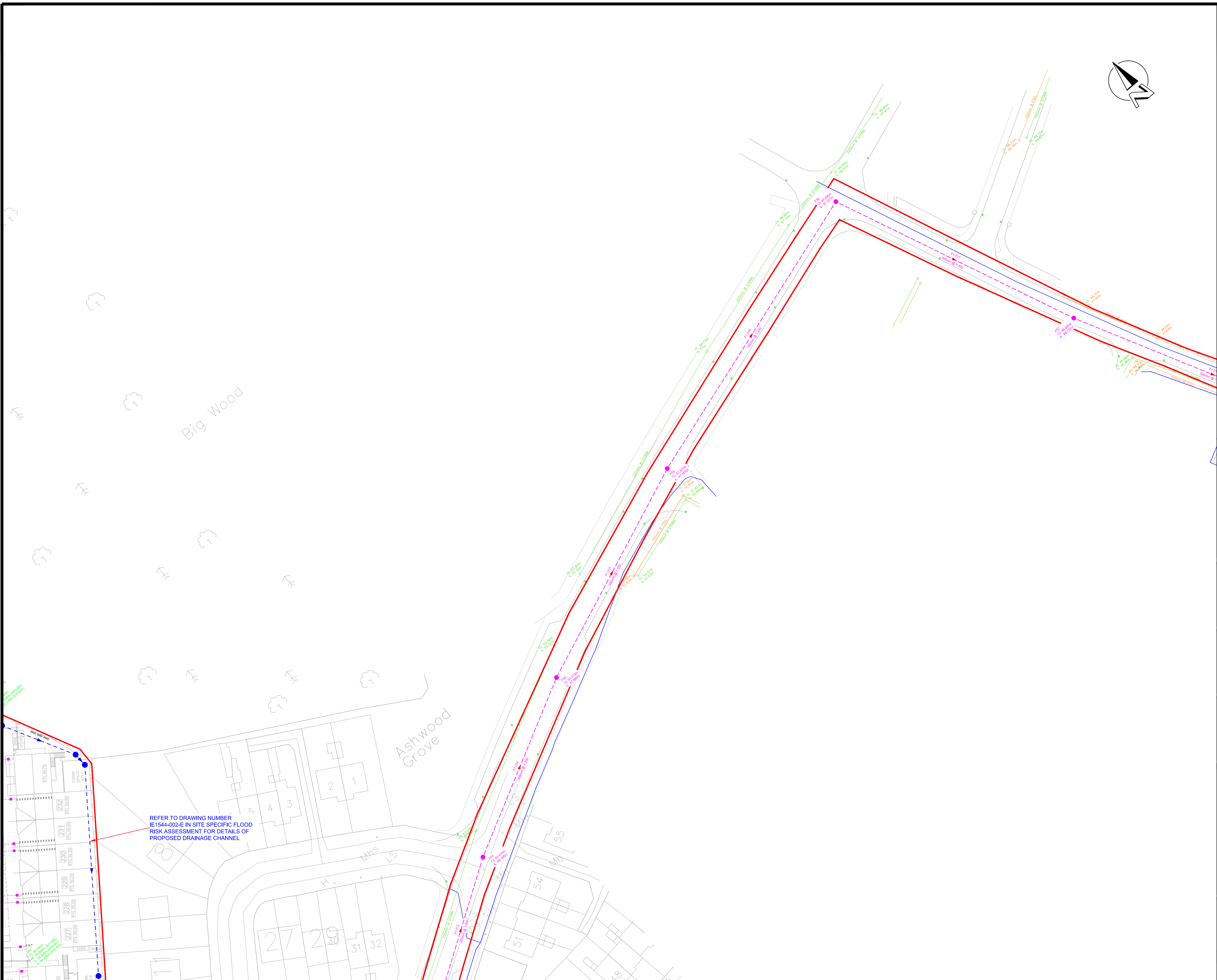
**LAYOUT PLAN**  
SHEET 3

**IE CONSULTING**  
WATER-ENVIRONMENTAL-CIVIL

INNOVATION CENTRE TELEPHONE: 059 91 33084  
GREEN ROAD FAX: 059 91 40499  
CARLOW EMAIL: info@iece.ie

file location: N\IE1505\DRAWINGS	scale: 1:500	A1
drawing status: PLANNING	datum: MALIN	
	drawn: NOM	
drawing no. IE1505-003	rev. E	checked: PMS
	approved: PMS	
	date: 11.01.2019	

© IE Consulting. This drawing or its contents must not be reproduced for any purpose without written permission. It is to be used only for the purpose for which it is supplied.



**LEGEND**

	PROPOSED SITE BOUNDARY
	PROPOSED STORMWATER PIPE
	PROPOSED STORMWATER MANHOLE
	PROPOSED STORMWATER SILT TRAP/CATCH PIT
	PROPOSED VORTEX FLOW CONTROL DEVICE & MANHOLE CHAMBER
	PROPOSED ROAD GULLY
	EXISTING ROAD GULLY
	EXISTING STORMWATER
	PROPOSED FOUL MANHOLE
	PROPOSED FOUL GRAVITY PIPE
	PROPOSED FOUL SERVICE CONNECTION PIPE & INSPECTION CHAMBER
	PROPOSED DRAINAGE PIPE & CHANNEL
	EXISTING FOUL
	EXISTING WATER MAIN
	STORM PROPOSED FOR ADJACENT 85 UNIT DEVELOPMENT
	FOUL PROPOSED FOR ADJACENT 85 UNIT DEVELOPMENT

- NOTES**
- ALL DRAINAGE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH:
    - CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY 7TH EDITION
    - IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE DECEMBER 2017 (REVISION 03)
  - MANHOLE FRAME & COVER TO BE:
    - CLASS D400 IN TRAFFICKED AREAS
    - CLASS B125 IN FOOTPATHS & LANDSCAPED AREAS
  - REFER TO IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS DECEMBER 2017 (REVISION 03) FOR FOUL WATER STANDARD DETAILS
  - REFER TO DRAWING IE1505-013-E FOR STORMWATER STANDARD DETAILS.
  - REFER TO DRAWINGS IE1505-009-E, IE1505-010-E, IE1505-011-E, IE1505-012-E, FOR FOUL AND STORMWATER LONG SECTIONS
  - REFER TO DRAWINGS IE1505-014-E, IE1505-015-E, IE1505-016-E, IE1505-017-E, FOR FOUL AND STORMWATER REINSTATEMENT DRAWINGS.
  - PETROL INTERCEPTOR SHALL BE A CLASS 1 BYPASS INTERCEPTOR/SEPARATOR IN ACCORDANCE WITH BS EN 858-1:2002 and BS EN 858-2:2003.
  - REFER TO REFER TO DRAWING NUMBER IE1544-002-E IN SITE SPECIFIC FLOOD RISK ASSESSMENT FOR DETAILS OF PROPOSED DRAINAGE CHANNEL.
  - FOUL SEWER PIPE MATERIALS SHALL BE AS FOLLOWS:
    - 150mm Ø SEWER PIPE AND 100mm SERVICE CONNECTIONS SHALL BE uPVC TO IS EN 1401 2009/2012
    - 225mm TO 300mm Ø PIPE SHALL BE CONCRETE SPIGOT & SOCKET RUBBER RING JOINT, CLASS C120.
  - STORM PIPE MATERIALS SHALL BE AS FOLLOWS:
    - 225mm TO 450mm Ø PIPE SHALL BE HDPE HDPE TWINWALL
    - 600mm TO 750mm Ø PIPE SHALL BE CONCRETE SPIGOT & SOCKET RUBBER RING JOINT, CLASS C120.

E	11.01.19	PLANNING	NOM	PMS
rev.	date	amendment	drn	ckd

PROPOSED HOUSING DEVELOPMENT  
CREAGH, GOREY, CO. WEXFORD

PROPOSED FOUL & STORMWATER  
DRAINAGE

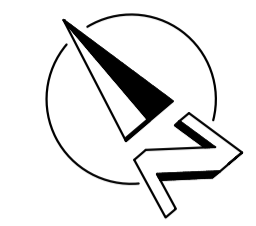
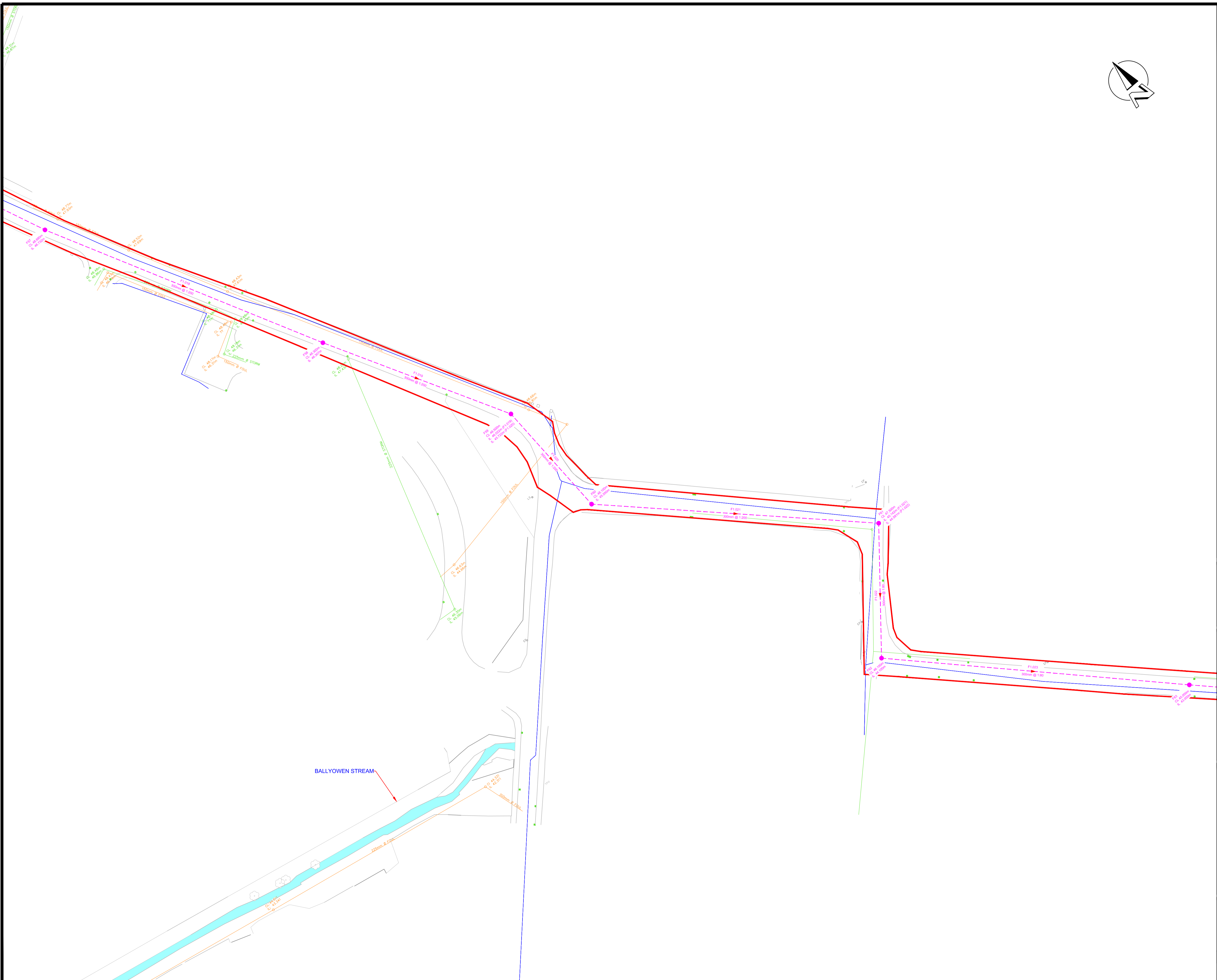
LAYOUT PLAN  
SHEET 4

**ie**  
IE CONSULTING  
WATER-ENVIRONMENTAL-CIVIL

INNOVATION CENTRE TELEPHONE: 059 91 33084  
GREEN ROAD FAX: 059 91 40499  
CARLOW EMAIL: info@iece.ie

file location:	N:\IE1505\DRAWINGS	scale:	1:500	A1
drawing status:	PLANNING	datum:	MALIN	
		drawn:	NOM	
drawing no.	IE1505-004	rev	checked: PMS	
		E	approved: PMS	
			date:	11.01.2019

© IE Consulting. This drawing or its contents must not be reproduced for any purpose without written permission. It is to be used only for the purpose for which it is supplied.



**LEGEND**

	PROPOSED SITE BOUNDARY
	PROPOSED STORMWATER PIPE
	PROPOSED STORMWATER MANHOLE
	PROPOSED STORMWATER SILT TRAP/CATCH PIT
	PROPOSED VORTEX FLOW CONTROL DEVICE & MANHOLE CHAMBER
	PROPOSED ROAD GULLY
	EXISTING ROAD GULLY
	EXISTING STORMWATER
	PROPOSED FOUL MANHOLE
	PROPOSED FOUL GRAVITY PIPE
	PROPOSED FOUL SERVICE CONNECTION PIPE & INSPECTION CHAMBER
	PROPOSED DRAINAGE PIPE & CHANNEL
	EXISTING FOUL
	EXISTING WATER MAIN
	STORM PROPOSED FOR ADJACENT 85 UNIT DEVELOPMENT
	FOUL PROPOSED FOR ADJACENT 85 UNIT DEVELOPMENT

- NOTES**
- ALL DRAINAGE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH:
    - "CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY" 7TH EDITION.
    - IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE DECEMBER 2017 (REVISION 03)
  - MANHOLE FRAME & COVER TO BE:
    - CLASS D400 IN TRAFFICKED AREAS
    - CLASS B125 IN FOOTPATHS & LANDSCAPED AREAS
  - REFER TO IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS DECEMBER 2017 (REVISION 03) FOR FOUL WATER STANDARD DETAILS.
  - REFER TO DRAWING IE1505-013-E FOR STORMWATER STANDARD DETAILS.
  - REFER TO DRAWINGS IE1505-009-E, IE1505-010-E, IE1505-011-E, IE1505-012-E, FOR FOUL AND STORMWATER LONG SECTIONS.
  - REFER TO DRAWINGS IE1505-014-E, IE1505-015-E, IE1505-016-E, IE1505-017-E, FOR FOUL AND STORMWATER REINSTATEMENT DRAWINGS.
  - PETROL INTERCEPTOR SHALL BE A CLASS 1 BYPASS INTERCEPTOR/SEPARATOR IN ACCORDANCE WITH BS EN 858-1:2002 and BS EN 858-2:2003.
  - REFER TO REFER TO DRAWING NUMBER IE1544-002-E IN SITE SPECIFIC FLOOD RISK ASSESSMENT FOR DETAILS OF PROPOSED DRAINAGE CHANNEL.
  - FOUL SEWER PIPE MATERIALS SHALL BE AS FOLLOWS:
    - 150mm Ø SEWER PIPE AND 100mm SERVICE CONNECTIONS SHALL BE uPVC TO IS EN 1401 2009/2012
    - 225mm TO 300mm Ø PIPE SHALL BE CONCRETE SPIGOT & SOCKET RUBBER RING JOINT, CLASS C120.
  - STORM PIPE MATERIALS SHALL BE AS FOLLOWS:
    - 225mm TO 450mm Ø PIPE SHALL BE HDPE HDPE TWINWALL
    - 600mm TO 750mm Ø PIPE SHALL BE CONCRETE SPIGOT & SOCKET RUBBER RING JOINT, CLASS C120.

E	11.01.19	PLANNING	NOM	PMS
rev.	date	amendment	drn	ckd

PROPOSED HOUSING DEVELOPMENT  
CREAGH, GOREY, CO. WEXFORD

PROPOSED FOUL & STORMWATER  
DRAINAGE

LAYOUT PLAN  
SHEET 5

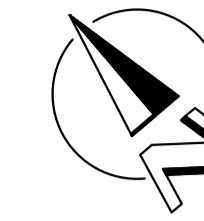


**IE CONSULTING**  
WATER-ENVIRONMENTAL-CIVIL

INNOVATION CENTRE TELEPHONE: 059 91 33084  
GREEN ROAD FAX: 059 91 40499  
CARLOW EMAIL: info@iece.ie

file location:	N:\IE1505\DRAWINGS	scale:	1:500	A1
drawing status:	PLANNING	datum:	MALIN	
		drawn:	NOM	
drawing no.	IE1505-005	rev	E	checked: PMS
		approved:	PMS	
		date:	11.01.2019	

© IE Consulting. This drawing or its contents must not be reproduced for any purpose without written permission. It is to be used only for the purpose for which it is supplied.



**LEGEND**

- PROPOSED SITE BOUNDARY
- - - PROPOSED STORMWATER PIPE
- PROPOSED STORMWATER MANHOLE
- PROPOSED STORMWATER SILT TRAP/CATCH PIT
- ⊕ PROPOSED VORTEX FLOW CONTROL DEVICE & MANHOLE CHAMBER
- └─ PROPOSED ROAD GULLY
- └─ EXISTING ROAD GULLY
- EXISTING STORMWATER
- PROPOSED FOUL MANHOLE
- - - PROPOSED FOUL GRAVITY PIPE
- - - PROPOSED FOUL SERVICE CONNECTION PIPE & INSPECTION CHAMBER
- PROPOSED DRAINAGE PIPE & CHANNEL
- EXISTING FOUL
- EXISTING WATER MAIN
- STORM PROPOSED FOR ADJACENT 85 UNIT DEVELOPMENT
- FOUL PROPOSED FOR ADJACENT 85 UNIT DEVELOPMENT

**NOTES**

1. ALL DRAINAGE WORKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH:
  - "CIVIL ENGINEERING SPECIFICATION FOR THE WATER INDUSTRY" 7TH EDITION.
  - IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE DECEMBER 2017 (REVISION 03)
2. MANHOLE FRAME & COVER TO BE:
  - CLASS D400 IN TRAFFICKED AREAS
  - CLASS B125 IN FOOTPATHS & LANDSCAPED AREAS
3. REFER TO IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS DECEMBER 2017 (REVISION 03) FOR FOUL WATER STANDARD DETAILS.
4. REFER TO DRAWING IE1505-013-E FOR STORMWATER STANDARD DETAILS.
5. REFER TO DRAWINGS IE1505-009-E, IE1505-010-E, IE1505-011-E, IE1505-012-E, FOR FOUL AND STORMWATER LONG SECTIONS.
6. REFER TO DRAWINGS IE1505-014-E, IE1505-015-E, IE1505-016-E, IE1505-017-E, FOR FOUL AND STORMWATER REINSTATEMENT DRAWINGS.
7. PETROL INTERCEPTOR SHALL BE A CLASS 1 BYPASS INTERCEPTOR/SEPARATOR IN ACCORDANCE WITH BS EN 858-1:2002 and BS EN 858-2:2003.
8. REFER TO REFER TO DRAWING NUMBER IE1544-002-E IN SITE SPECIFIC FLOOD RISK ASSESSMENT FOR DETAILS OF PROPOSED DRAINAGE CHANNEL.
9. FOUL SEWER PIPE MATERIALS SHALL BE AS FOLLOWS:
  - 150mm Ø SEWER PIPE AND 100mm SERVICE CONNECTIONS SHALL BE uPVC TO IS EN 1401 2009/2012
  - 225mm TO 300mm Ø PIPE SHALL BE CONCRETE SPIGOT & SOCKET RUBBER RING JOINT, CLASS C120.
10. STORM PIPE MATERIALS SHALL BE AS FOLLOWS:
  - 225mm TO 450mm Ø PIPE SHALL BE HDPE HDPE TWINWALL
  - 600mm TO 750mm Ø PIPE SHALL BE CONCRETE SPIGOT & SOCKET RUBBER RING JOINT, CLASS C120.

rev.	date	amendment	drn	ckd
E	11.01.19	PLANNING	NOM	PMS

**PROPOSED HOUSING DEVELOPMENT  
CREAGH, GOREY, CO. WEXFORD**

**PROPOSED FOUL & STORMWATER  
DRAINAGE**

**LAYOUT PLAN  
SHEET 6**



**IE CONSULTING  
WATER-ENVIRONMENTAL-CIVIL**

INNOVATION CENTRE TELEPHONE: 059 91 33084  
GREEN ROAD FAX: 059 91 40499  
CARLOW EMAIL: info@iece.ie

file location: N\IE1505\DRAWINGS	scale: 1:500	A1
drawing status: PLANNING	datum: MALIN	drawn: NOM
drawing no. IE1505-006	rev E	checked: PMS
		approved: PMS
		date: 11.01.2019

© IE Consulting. This drawing or its contents must not be reproduced for any purpose without written permission. It is to be used only for the purpose for which it is supplied.

