Paul Casey
PUNCH Consulting Engineers
Carnegie House
Library Road
Dun Laoghaire
Dublin A94C7W7

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

Uisce Éireann
PO Box 448
South City
Delivery Office
Cork City

www.water.ie

28 August 2024

Re: Design Submission for Lands at, Fortfield Road, Terenure, Dublin (the "Development")
(the "Design Submission") / Connection Reference No: CDS24000255

Dear Paul Casey,

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, Uisce Éireann has no objection to your proposals.

This letter does not constitute an offer, in whole or in part, to provide a connection to any Uisce Éireann infrastructure. Before you can connect to our network you must sign a connection agreement with Uisce Éireann. This can be applied for by completing the connection application form at www.water.ie/connections. Uisce Éireann'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 Uisce Éireann's network(s) (the "**Self-Lay Works**"), as reflected in your Design Submission. Acceptance of the Design Submission by Uisce Éireann does not, in any way, render Uisce Éireann liable for any elements of the design and/or construction of the Self-Lay Works.

If you have any further questions, please contact your Uisce Éireann representative:
Name: Antonio Garzón Mielgo
Email: antonio.garzonmielgo@water.ie

Yours sincerely,

Dermot Phelan
Connections Delivery Manager

Stiúrthóirí / Directors: Tony Keohane (Cathaoirleach / Chairman), Niall Gleeson (POF / CEO), Christopher Banks, Fred Barry, Gerard Britchfield, Liz Joyce, Patricia King, Eileen Maher, Cathy Mannion, Michael Walsh.
Oifig Chláraithe / Registered Office: Teach Colvill, 24-26 Sráid Thalbóid, Baile Átha Cliath 1, D01 NP86 / Colvill House, 24-26 Talbot Street, Dublin, Ireland D01NP86
Is cuideachta ghníomhaíochta ainmnithe atá faoi theorainn scaireanna é Uisce Éireann / Uisce Éireann is a design activity company, limited by shares.
Cláraithe in Éirinn Uimh.: 530363 / Registered in Ireland No.: 530363.

Appendix A

Document Title & Revision

- 222102-PUNCH-XX-XX-DR-C-0100
- 222102-PUNCH-XX-XX-DR-C-0300

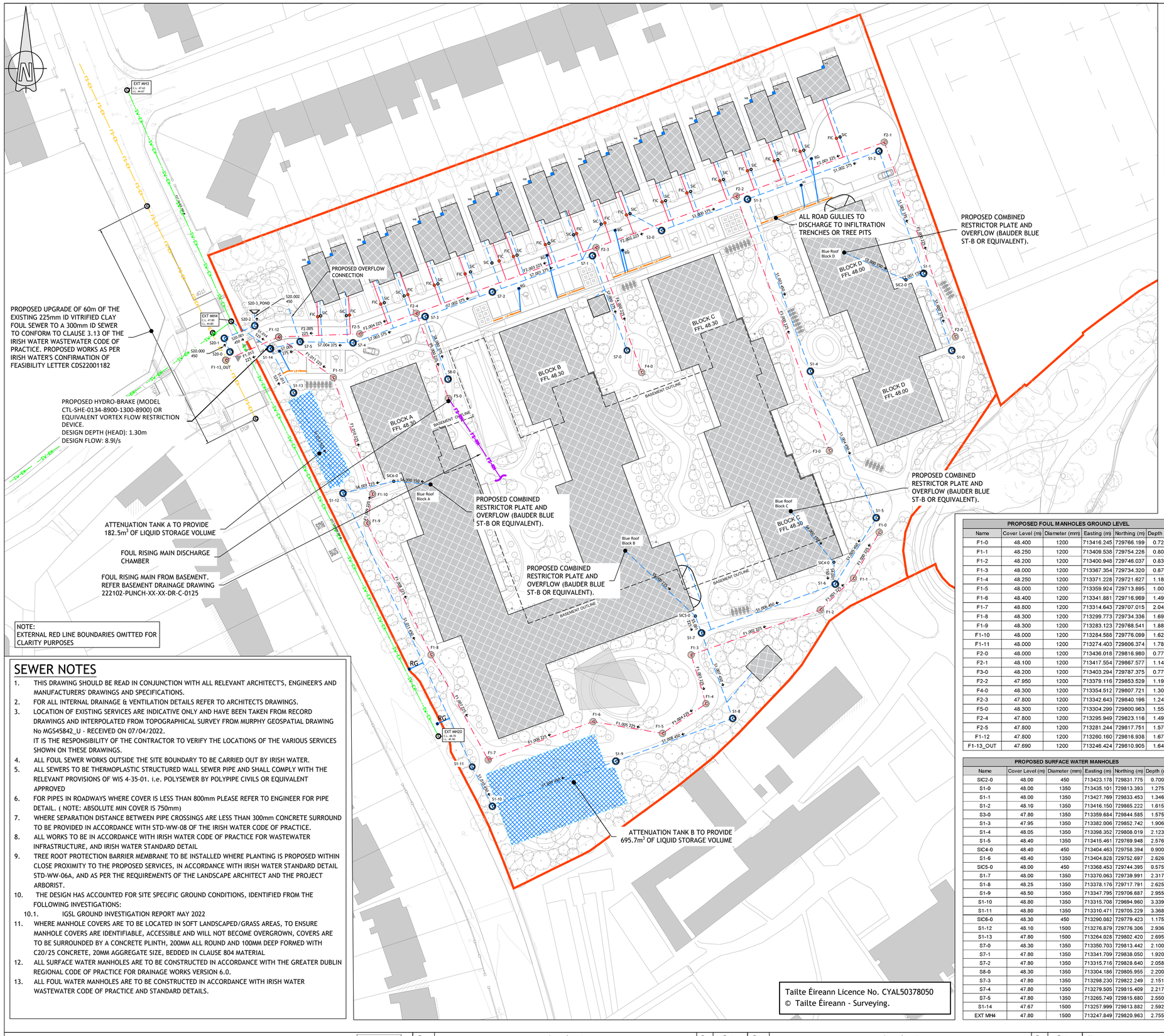
Additional Comments

The design submission will be subject to further technical review at connection application stage.

Uisce Éireann cannot guarantee that its Network in any location will have the capacity to deliver a particular flow rate and associated residual pressure to meet the requirements of the relevant Fire Authority, see Section 1.17 of Water Code of Practice.

*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 Uisce Éireann will not, in any way, render Uisce Éireann liable for any elements of the design and/or construction of the Self-Lay Works.



ATTENUATION TANK A	
MIN COVER LEVEL	47.80m
INLET INVERT LEVEL	45.164m
OUTLET INVERT LEVEL	45.105m
DEPTH OF COVER	1.495m
LIQUID VOLUME PROVIDED	182.5m³
LENGTH (IN DIRECTION OF FLOW)	24.14m/ 25.14m
WIDTH (PERPENDICULAR TO FLOW)	6.5m
TANK HEIGHT	1.2m

ATTENUATION TANK B	
MIN COVER LEVEL	47.55m (TANK B is SITUATED BENEATH THE DOG PARK. 47.55m HERE REPRESENTS LOWEST LEVEL IN DOG PARK)
INLET INVERT LEVEL	45.545m
OUTLET INVERT LEVEL	45.461m
DEPTH OF COVER	0.889m
LIQUID VOLUME PROVIDED	695.7m³
LENGTH (IN DIRECTION OF FLOW)	30m/ 32m
WIDTH (PERPENDICULAR TO FLOW)	19.7m
TANK HEIGHT	1.2m

LEGEND

- OUTLINE OF PROPOSED BUILDING
- OUTLINE OF BASEMENT BELOW
- EXISTING FOUL MANHOLE
- EXISTING FOUL SEWER (FS-EX)
- PROPOSED FOUL SEWER
- PROPOSED FOUL MANHOLE (FMH)
- PROPOSED SURFACE WATER SEWER
- PROPOSED SURFACE WATER MANHOLE (SMH)
- PROPOSED SURFACE WATER INSPECTION CHAMBER (SIC)
- PROPOSED FOUL WATER INSPECTION CHAMBER (FIC)
- PROPOSED GULLY (RG)
- PROPOSED WATERBUTT (WB)
- PROPOSED HEADWALL
- PROPOSED INFILTRATION TRENCH (I.T)
- PROPOSED RISING MAIN 80mmOD POLYETHYLENE PIPE TO COMPLY WITH THE REQUIREMENTS OF SECTION 3.14 OF WATER WASTEWATER CODE OF PRACTICE (FS-RM)
- PROPOSED ATTENUATION TANK
- PRIVATE SITE EXTENTS

NOTE:
REFER TO DRAWING 222102-PUNCH-XX-XX-DR-C-0470 FOR PLUVIAL FLOODING DRAINAGE TABLES

SEWER NOTES

1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, ENGINEER'S AND MANUFACTURERS' DRAWINGS AND SPECIFICATIONS.
2. FOR ALL INTERNAL DRAINAGE & VENTILATION DETAILS REFER TO ARCHITECTS DRAWINGS.
3. LOCATION OF EXISTING SERVICES ARE INDICATIVE ONLY AND HAVE BEEN TAKEN FROM RECORD DRAWINGS AND INTERPOLATED FROM TOPOGRAPHICAL SURVEY FROM MURPHY GEOSPATIAL DRAWING No MGS45842_U - RECEIVED ON 07/04/2022.
   IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF THE VARIOUS SERVICES SHOWN ON THESE DRAWINGS.
4. ALL FOUL SEWER WORKS OUTSIDE THE SITE BOUNDARY TO BE CARRIED OUT BY IRISH WATER.
5. ALL SEWERS TO BE THERMOPLASTIC STRUCTURED WALL SEWER PIPE AND SHALL COMPLY WITH THE RELEVANT PROVISIONS OF WIS 4-35-01. i.e. POLYSEWER BY POLYPIPE CIVILS OR EQUIVALENT APPROVED
6. FOR PIPES IN ROADWAYS WHERE COVER IS LESS THAN 800mm PLEASE REFER TO ENGINEER FOR PIPE DETAIL. (NOTE: ABSOLUTE MIN COVER IS 750mm)
7. WHERE SEPARATION DISTANCE BETWEEN PIPE CROSSINGS ARE LESS THAN 300mm CONCRETE SURROUND TO BE PROVIDED IN ACCORDANCE WITH STD-WW-08 OF THE IRISH WATER CODE OF PRACTICE.
8. ALL WORKS TO BE IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTEWATER INFRASTRUCTURE, AND IRISH WATER STANDARD DETAIL
9. TREE ROOT PROTECTION BARRIER MEMBRANE TO BE INSTALLED WHERE PLANTING IS PROPOSED WITHIN CLOSE PROXIMITY TO THE PROPOSED SERVICES, IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-WW-06A, AND AS PER THE REQUIREMENTS OF THE LANDSCAPE ARCHITECT AND THE PROJECT ARBORIST.
10. THE DESIGN HAS ACCOUNTED FOR SITE SPECIFIC GROUND CONDITIONS, IDENTIFIED FROM THE FOLLOWING INVESTIGATIONS:
    10.1. IGSL GROUND INVESTIGATION REPORT MAY 2022
11. WHERE MANHOLE COVERS ARE TO BE LOCATED IN SOFT LANDSCAPED/GRASS AREAS, TO ENSURE MANHOLE COVERS ARE IDENTIFIABLE, ACCESSIBLE AND WILL NOT BECOME OVERGROWN, COVERS ARE TO BE SURROUNDED BY A CONCRETE PLINTH, 200MM ALL ROUND AND 100MM DEEP FORMED WITH C20/25 CONCRETE, 20MM AGGREGATE SIZE, BEDDED IN CLAUSE 804 MATERIAL
12. ALL SURFACE WATER MANHOLES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE GREATER DUBLIN REGIONAL CODE OF PRACTICE FOR DRAINAGE WORKS VERSION 6.0.
13. ALL FOUL WATER MANHOLES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH IRISH WATER WASTEWATER CODE OF PRACTICE AND STANDARD DETAILS.

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PROPOSED FOUL MANHOLES GROUND LEVEL

Name	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
F1-0	48.400	1200	713416.245	729766.199	0.725
F1-1	48.250	1200	713409.538	729754.226	0.804
F1-2	48.200	1200	713400.948	729746.037	0.833
F1-3	48.000	1200	713387.354	729734.320	0.870
F1-4	48.250	1200	713371.228	729721.627	1.186
F1-5	48.000	1200	713359.924	729713.895	1.004
F1-6	48.400	1200	713341.881	729716.969	1.496
F1-7	48.800	1200	713314.643	729707.015	2.041
F1-8	48.300	1200	713299.773	729734.336	1.697
F1-9	48.300	1200	713283.123	729768.541	1.887
F1-10	48.000	1200	713284.588	729776.099	1.625
F1-11	48.000	1200	713274.403	729806.374	1.785
F2-0	48.000	1200	713436.018	729816.980	0.775
F2-1	48.100	1200	713417.554	729867.577	1.144
F3-0	48.200	1200	713403.294	729787.375	0.775
F2-2	47.950	1200	713379.116	729853.529	1.199
F4-0	48.300	1200	713354.512	729807.721	1.300
F2-3	47.800	1200	713342.643	729840.196	1.243
F5-0	48.300	1200	713304.299	729800.983	1.550
F2-4	47.800	1200	713295.949	729823.116	1.492
F2-5	47.800	1200	713281.244	729817.751	1.570
F1-12	47.800	1200	713260.160	729816.938	1.675
F1-13_OUT	47.690	1200	713246.424	729810.905	1.640

PROPOSED SURFACE WATER MANHOLES

Name	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
SIC2-0	48.00	450	713423.178	729831.775	0.700
S1-0	48.00	1350	713435.101	729813.393	1.275
S1-1	48.00	1350	713427.769	729833.453	1.348
S1-2	48.10	1350	713416.150	729865.222	1.615
S3-0	47.80	1350	713359.684	729844.585	1.575
S1-3	47.95	1350	713382.006	729852.742	1.906
S1-4	48.05	1350	713398.352	729808.019	2.123
S1-5	48.40	1350	713415.461	729769.948	2.576
SIC4-0	48.40	450	713404.463	729758.394	0.900
S1-6	48.40	1350	713404.828	729752.697	2.626
SIC5-0	48.00	450	713368.453	729744.395	0.575
S1-7	48.00	1350	713370.063	729739.991	2.317
S1-8	48.25	1350	713378.176	729717.791	2.625
S1-9	48.50	1350	713347.795	729706.687	2.955
S1-10	48.80	1350	713315.708	729694.960	3.339
S1-11	48.80	1350	713310.471	729705.229	3.368
SIC6-0	48.30	450	713290.082	729779.423	1.175
S1-12	48.10	1500	713276.879	729776.306	2.936
S1-13	47.80	1500	713264.028	729802.420	2.695
S7-0	48.30	1350	713350.703	729813.442	2.100
S7-1	47.80	1350	713341.709	729838.050	1.920
S7-2	47.80	1350	713315.716	729828.640	2.058
S8-0	48.30	1350	713304.186	729805.955	2.200
S7-3	47.80	1350	713298.230	729822.249	2.151
S7-4	47.80	1350	713279.505	729815.409	2.217
S7-5	47.80	1350	713265.749	729815.680	2.550
S1-14	47.67	1500	713257.999	729813.882	2.592
EXT MH4	47.80	1500	713247.849	729820.963	2.755

PROPOSED FOUL PIPES GROUND LEVEL

Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	US Depth (m)	DS Depth (m)
F1.000	F1-0	F1-1	13.724	47.675	47.446	0.229	60.0	225	0.500	0.579
F1.001	F1-1	F1-2	11.868	47.446	47.367	0.079	150.2	225	0.579	0.608
F1.002	F1-2	F1-3	35.579	47.367	47.130	0.237	150.1	225	0.608	0.645
F1.003	F1-3	F1-4	13.271	47.130	47.064	0.066	201.1	225	0.645	0.961
F1.004	F1-4	F1-5	13.695	47.064	46.996	0.068	200.0	225	0.961	0.779
F1.005	F1-5	F1-6	18.303	46.996	46.904	0.092	200.0	225	0.779	1.271
F1.006	F1-6	F1-7	29.000	46.904	46.759	0.145	200.0	225	1.271	1.816
F1.007	F1-7	F1-8	31.106	46.759	46.603	0.156	200.0	225	1.816	1.472
F1.008	F1-8	F1-9	38.042	46.603	46.413	0.190	200.0	225	1.472	1.662
F1.009	F1-9	F1-10	7.699	46.413	46.375	0.038	200.0	225	1.662	1.400
F1.010	F1-10	F1-11	31.942	46.375	46.215	0.160	200.0	225	1.400	1.560
F1.011	F1-11	F1-12	17.733	46.215	46.126	0.089	200.0	225	1.560	1.449
F2.000	F2-0	F2-1	53.862	47.225	46.956	0.269	200.0	225	0.550	0.919
F2.001	F2-1	F2-2	40.925	46.956	46.751	0.205	200.0	225	0.919	0.974
F3.000	F3-0	F2-2	70.434	47.425	46.955	0.470	150.0	225	0.550	0.770
F2.002	F2-2	F2-3	38.834	46.751	46.557	0.194	200.0	225	0.974	1.018
F4.000	F4-0	F2-3	34.576	47.000	46.769	0.231	150.0	225	1.075	0.806
F2.003	F2-3	F2-4	49.720	46.557	46.308	0.249	200.0	225	1.018	1.267
F5.000	F5-0	F2-4	23.674	46.750	46.592	0.158	150.0	225	1.325	0.983
F2.004	F2-4	F2-5	15.653	46.308	46.230	0.078	200.0	225	1.267	1.345
F2.005	F2-5	F1-12	21.100	46.230	46.125	0.105	200.0	225	1.345	1.450
F1.012	F1-12	F1-13_OUT	15.005	46.125	46.050	0.075	200.0	225	1.450	1.415

PROPOSED SURFACE WATER PIPES

Name	US Node	DS Node	Length (m)	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	US Depth (m)	DS Depth (m)
S2.001	SIC2-0	S1-1	4.888	47.300	47.239	0.061	80.0	150	0.550	0.611
S1.000	S1-0	S1-1	21.358	46.725	46.654	0.071	300.0	375	0.900	0.971
S1.001	S1-1	S1-2	33.827	46.654	46.485	0.169	200.0	375	0.971	1.240
S1.002	S1-2	S1-3	36.353	46.485	46.303	0.182	200.0	375	1.240	1.272
S3.000	S3-0	S1-3	23.786	46.225	46.119	0.106	225.0	375	1.200	1.456
S1.003	S1-3	S1-4	47.617	46.044	45.927	0.117	407.0	450	1.456	1.673
S1.004	S1-4	S1-5	41.739	45.927	45.824	0.103	405.2	450	1.673	2.126
S1.005	S1-5	S1-6	20.265	45.824	45.774	0.050	405.3	450	2.126	2.176
S4.001	SIC4-0	S1-6	5.709	47.500	47.429	0.071	80.0	150	0.750	0.821
S1.006	S1-6	S1-7	37.014	45.774	45.683	0.091	406.7	450	2.176	1.867
S5.001	SIC5-0	S1-7	4.689	47.425	47.366	0.059	80.0	225	0.350	0.409
S1.007	S1-7	S1-8	23.636	45.683	45.625	0.058	407.5	450	1.867	2.175
S1.008	S1-8	S1-9	32.347	45.625	45.545	0.080	404.3	450	2.175	2.505
S1.009	S1-9	S1-10	34.163	45.545	45.461	0.084	406.7	450	2.505	2.889
S1.010	S1-10	S1-11	11.527	45.461	45.432	0.029	397.5	450	2.889	2.918
S1.011	S1-11	S1-12	78.615	45.432	45.239	0.193	407.3	450	2.918	2.411
S6.001	SIC6-0	S1-12	13.566	47.125	46.955	0.170	80.0	225	0.950	0.920
S1.012	S1-12	S1-13	29.105	45.164	45.105	0.059	493.3	525	2.411	2.170
S1.013	S1-13	S1-14	12.951	45.105	45.078	0.027	480.0	525	2.170	2.067
S7.000	S7-0	S7-1	26.200	46.200	46.069	0.131	200.0	375	1.725	1.356
S7.001	S7-1	S7-2	27.644	45.880	45.742	0.138	200.0	375	1.545	1.683
S7.002	S7-2	S7-3	18.617	45.742	45.649	0.093	200.0	375	1.683	1.776
S8.000	S8-0	S7-3	17.348	46.100	46.042	0.058	300.0	375	1.825	1.383
S7.003	S7-3	S7-4	19.935	45.649	45.583	0.066	300.0	375	1.776	1.842
S7.004	S7-4	S7-5	13.759	45.583	45.537	0.046	300.0	375	1.842	1.888
S7.005	S7-5	S1-14	7.956	45.250	45.223	0.027	300.0	375	2.175	2.072
S1.014	S1-14	EXT MH4	12.376	45.078	45.045	0.033	375.0	525	2.067	2.230

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Consultants to be informed immediately of any discrepancies before work proceeds.
COLOUR DRAWING

BUILDING INFORMATION MODELLING (BIM) I.S. EN ISO 19650-2:2018 NSAI Certified

Rev	Amendment	By	Date	Rev	Amendment	By	Date
C01	STAGE 2 LRD SUBMISSION	DAP	2024-03-07				
C02	STAGE 3 LRD SUBMISSION	DAP	2024-07-25				

Client: 1 Celbridge West Land Limited

PUNCH consulting engineers
Dublin | Limerick | Cork | Galway | Glasgow
Carnegie House Library Road,
Dun Laoghaire, Co. Dublin, A96 C7W7
t +353 1 271 2200 | w punchconsulting.com

Project:	FORTFIELD ROAD, TERENURE, DUBLIN 6W
Title:	PROPOSED GROUND FLOOR DRAINAGE LAYOUT
Drawn: DAP	Date drawn: FEBRUARY 2024
Technician Check: PJM	Engineer Check: DM
Approved: PC	
Project No: 222102	Model Ref: 222102-PUNCH-XX-XX-M2-C-0100
Drawing Status: A0	
Scale @ A1: 1:500	Document No: 222102-PUNCH-XX-XX-DR-C-0100
Revision No: C02	

1. A WELL LIT SIGN ON A POLE SHALL INDICATE THE LOCATION OF THE MAIN ACCESS MANHOLE (TO ENSURE THE TANK CAN BE FOUND IN ALL CONDITIONS INCLUDING NIGHT TIME AND WITH GROUND SNOW COVER).
2. TANK TO BE CONNECTED TO THE FACILITIES MANAGEMENT BUILDING MANAGEMENT SYSTEMS TO ALERT WHEN WATER LEVELS ARE DEPLETING IN THE TANK.
3. PUMPSETS FROM THE TANK ARE TO OPERATE TO ENSURE 35L/S FLOW FROM HYDRANTS ON THE FIRE MAIN.

DCC/SDCC BOUNDARY ALONG FORTFIELD ROAD

PROPOSED BULK FLOW WATER METER TO BE PROVIDED AS PER IRISH WATER STANDARD DETAIL STD-W-26A

160m OF NEW 150mm ID WATERMAIN REQUIRED TO LINK TO EXISTING 180mm MDPE WATERMAIN IN COLLEGE DRIVE - REFER TO IRISH WATER WATER CONFIRMATION OF FEASIBILITY LETTER CDS22001182

SEPARATE PLANNING SUBMISSION TO SDCC RELATING TO THIS COMPONENT OF THE WORKS HAS BEEN PROGRESSED IN PARALLEL WITH THIS LRD SUBMISSION

SCOUR VALVE TO WASHOUT HYDRANT ARRANGEMENT AS PER STANDARD DETAIL STD-W-30A

REFER TO INSERT 1 FOR CONNECTION TO EXISTING WATERMAIN LINE

INSERT 1 MATCHLINE

PROPOSED 160mm OD CONNECTION IN BASEMENT TO SUPPLY BLOCKS A, B AND C. INTERNAL WATERMAIN LAYOUT TO M&E DETAILS.

NOTE:
AN ACCEPTABLE ISOLATION DEVICE TO IRISH WATER SHALL BE PROVIDED USING A CONNECTION VIA AN UNRESTRICTED AIR-GAP DEVICE (AA TYPE DEVICE, IS EN 1717) TO PREVENT BACKFLOW FROM THE INTERNAL WATER DISTRIBUTION SYSTEM TO IRISH WATER'S NETWORK TO PREVENT THE RISK OF BACKFLOW CONTAMINATION. THESE PROPOSALS ARE TO BE IN ACCORDANCE WITH SECTION 3.13 OF THE WATER CODE OF PRACTICE.

PROPOSED ANCHOR/THRUST BLOCK IN ACCORDANCE WITH IW CODE OF PRACTICE

SCOUR VALVE TO WASHOUT HYDRANT ARRANGEMENT AS PER STANDARD DETAIL STD-W-30A

PROPOSED 110mm OD CONNECTION TO SUPPLY BLOCK D. INTERNAL WATERMAIN LAYOUT TO M&E DETAILS.

NOTE:
AN ACCEPTABLE ISOLATION DEVICE TO IRISH WATER SHALL BE PROVIDED USING A CONNECTION VIA AN UNRESTRICTED AIR-GAP DEVICE (AA TYPE DEVICE, IS EN 1717) TO PREVENT BACKFLOW FROM THE INTERNAL WATER DISTRIBUTION SYSTEM TO IRISH WATER'S NETWORK TO PREVENT THE RISK OF BACKFLOW CONTAMINATION. THESE PROPOSALS ARE TO BE IN ACCORDANCE WITH SECTION 3.13 OF THE WATER CODE OF PRACTICE.

BLOCK A FFL 48.30
BLOCK B FFL 48.30
BLOCK C FFL 48.30
BLOCK D FFL 48.00
BASEMENT OUTLINE

SCOUR VALVE TO WASHOUT HYDRANT ARRANGEMENT AS PER STANDARD DETAIL STD-W-30A

PROPOSED ANCHOR/THRUST BLOCK IN ACCORDANCE WITH IW CODE OF PRACTICE

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PROPRIETARY PRODUCT NAMES, MANUFACTURER'S NAMES, SUPPLIERS NAMES, NATIONAL STANDARDS

WHERE A SPECIFICATION OR A DESCRIPTION OF A PRODUCT OR ELEMENT OF WORK INCLUDES A SPECIFIC MAKE OR SOURCE SUCH AS A PRODUCT NAME OR MANUFACTURERS NAME OR A SUPPLIERS NAME, OR A NATIONAL STANDARD, THE SPECIFICATION OR DESCRIPTION SHALL BE DEEMED TO BE ACCOMPANIED BY THE WORDS 'OR EQUIVALENT' NOTWITHSTANDING THAT THOSE EXACT WORDS MAY NOT IN FACT ACCOMPANY THE NAME OR STANDARD. THIS ALSO APPLIES WHERE THE NAME OR STANDARD IS ACCOMPANIED BY OTHER WORDS SUCH AS "OR EQUAL APPROVED" OR SUCHLIKE PHRASES.

MATERIALS IN CONTACT WITH POTABLE WATER

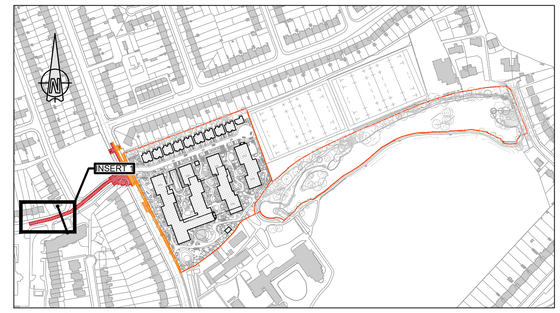
ALL MATERIALS, SUBSTANCES AND PRODUCTS IN CONTACT WITH POTABLE WATER SHALL COMPLY IN ALL RESPECTS WITH THE EUROPEAN COMMUNITIES (DRINKING WATER) (NO. 2) REGULATIONS, 2007 (S.I. NO. 278 OF 2007) AND SHALL BE INCLUDED IN THE LATEST "LIST OF APPROVED PRODUCTS AND PROCESSES" PUBLISHED BY THE DRINKING WATER INSPECTORATE FOR ENGLAND AND WALES. THE CONTRACTOR SHALL PRODUCE DOCUMENTARY EVIDENCE THAT THE SUBSTANCE OR PRODUCT HAS BEEN SPECIFICALLY APPROVED UNDER THE DWI SYSTEM, OR EQUIVALENT APPROVAL SYSTEM.

WATERMAIN NOTES

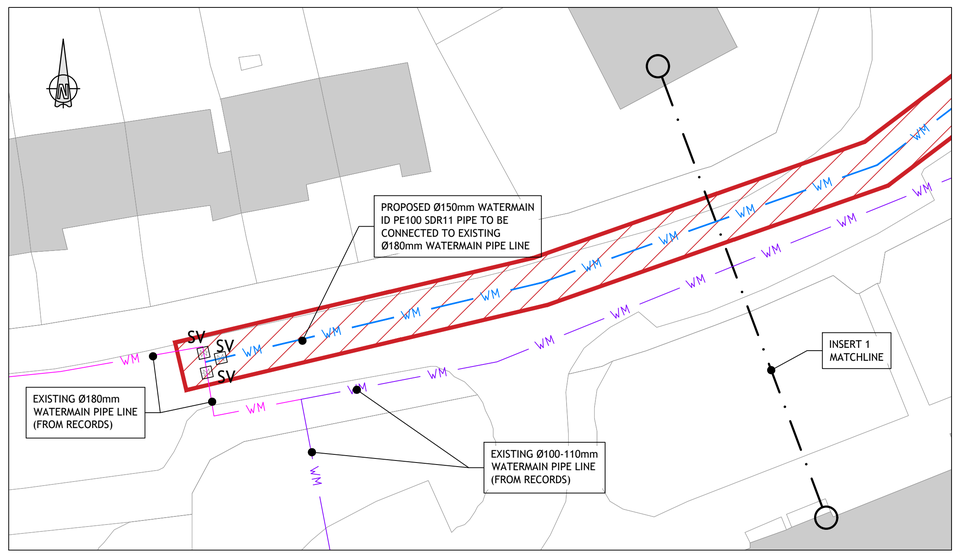
1. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEER'S AND MANUFACTURERS' DRAWINGS AND SPECIFICATIONS.
2. LOCATION OF EXISTING SERVICES ARE INDICATIVE ONLY AND HAVE BEEN TAKEN FROM RECORD DRAWINGS AND INTERPOLATED FROM TOPOGRAPHICAL SURVEY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF THE VARIOUS SERVICES SHOWN ON THESE DRAWINGS.
3. ALL WORKS TO BE IN ACCORDANCE WITH IRISH WATER CODE OF PRACTICE FOR WASTE INFRASTRUCTURE, AND IRISH WATER STANDARD DETAILS
4. BOOSTED WATER SUPPLY SYSTEMS ARE PROPOSED. AN ACCEPTABLE ISOLATION DEVICE TO IRISH WATER SHALL BE PROVIDED USING A CONNECTION VIA AN UNRESTRICTED AIR-GAP DEVICE (AA TYPE DEVICE, IS EN 1717) TO PREVENT BACKFLOW FROM THE INTERNAL WATER DISTRIBUTION SYSTEM TO IRISH WATER'S NETWORK TO PREVENT THE RISK OF BACKFLOW CONTAMINATION. THESE PROPOSALS ARE TO BE IN ACCORDANCE WITH SECTION 3.13 OF THE WATER CODE OF PRACTICE.
5. LOOPS IN WATERMAIN ARRANGEMENT TO BE INSTALLED AS PER IW DETAIL STD-W-39.
6. TREE ROOT PROTECTION BARRIER MEMBRANE TO BE INSTALLED WHERE PLANTING IS PROPOSED WITHIN CLOSE PROXIMITY TO THE PROPOSED SERVICES, IN ACCORDANCE WITH IRISH WATER STANDARD DETAIL STD-W-12A, AND AS PER THE REQUIREMENTS OF THE LANDSCAPE ARCHITECT AND THE PROJECT ARBORIST.
7. AN ACCEPTABLE ISOLATION DEVICE TO IRISH WATER SHALL BE PROVIDED USING A CONNECTION VIA AN UNRESTRICTED AIR-GAP DEVICE (AA TYPE DEVICE, IS EN 1717) TO PREVENT BACKFLOW FROM THE INTERNAL WATER DISTRIBUTION SYSTEM TO IRISH WATER'S NETWORK TO PREVENT THE RISK OF BACKFLOW CONTAMINATION. THESE PROPOSALS ARE TO BE IN ACCORDANCE WITH SECTION 3.13 OF THE WATER CODE OF PRACTICE.
8. AN ACCEPTABLE ISOLATION DEVICE TO IRISH WATER SHALL BE PROVIDED USING A CONNECTION VIA AN UNRESTRICTED AIR-GAP DEVICE (AA TYPE DEVICE, IS EN 1717) TO PREVENT BACKFLOW FROM THE INTERNAL WATER DISTRIBUTION SYSTEM TO IRISH WATER'S NETWORK TO PREVENT THE RISK OF BACKFLOW CONTAMINATION. THESE PROPOSALS ARE TO BE IN ACCORDANCE WITH SECTION 3.13 OF THE WATER CODE OF PRACTICE.
9. AN ACCEPTABLE ISOLATION DEVICE TO IRISH WATER SHALL BE PROVIDED USING A CONNECTION VIA AN UNRESTRICTED AIR-GAP DEVICE (AA TYPE DEVICE, IS EN 1717) TO PREVENT BACKFLOW FROM THE INTERNAL WATER DISTRIBUTION SYSTEM TO IRISH WATER'S NETWORK TO PREVENT THE RISK OF BACKFLOW CONTAMINATION. THESE PROPOSALS ARE TO BE IN ACCORDANCE WITH SECTION 3.13 OF THE WATER CODE OF PRACTICE.

LEGEND

- PRIVATE SITE EXTENTS
- OUTLINE OF BASEMENT BELOW
- PROPOSED WATERMAIN (150mm ID PE100 SDR11 PIPE)
- PROPOSED WATERMAIN (110mm OD PE100 SDR11 PIPE)
- EXISTING WATERMAIN (100mm - 110mm FROM RECORDS)
- EXISTING WATERMAIN (180mm -FROM RECORDS)
- PROPOSED SLUICE VALVE
- PROPOSED WATER METER
- PROPOSED HYDRANT
- PROPOSED NON RETURN VALVE
- PROPOSED AIR VALVE
- PROPOSED BOUNDARY BOX
- PROPOSED SCOUR VALVE
- PROPOSED 126m³ FIRE STORAGE TANK
- AREA WITHIN SOUTH DUBLIN COUNTY COUNCIL OWNERSHIP
- AREA WITHIN DUBLIN CITY COUNCIL OWNERSHIP



KEY PLAN
N.T.S



INSERT 1 - CONNECTION TO EXISTING WATERMAIN LINE
SCALE 1:500

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COLOUR DRAWING

BUILDING INFORMATION MODELLING (BIM) I.S. EN ISO 19650-2:2018
NSAI Certified

Rev	Amendment	By	Date	Rev	Amendment	By	Date
C01	STAGE 2 LRD SUBMISSION	DAP	2024-03-07				
C02	STAGE 3 LRD SUBMISSION	DAP	2024-07-25				
C03	STAGE 3 LRD SUBMISSION	AF	2024-08-02				
C04	STAGE 3 LRD SUBMISSION	DAP	2024-08-28				

Client: 1 Celbridge West Land Limited

PUNCH consulting engineers
Dublin | Limerick | Cork | Galway | Glasgow
Carnegie House Library Road,
Dun Laoghaire, Co. Dublin, A96 C7W7
t +353 1 271 2200 | w punchconsulting.com

Project: FORTFIELD ROAD, TERENURE, DUBLIN
Title: PROPOSED WATERMAIN LAYOUT

Drawn:	Date drawn:	Technician Check:	Engineer Check:	Approved:
DAP	FEBRUARY 2024	PJ. MULCAHY	D. MORETON	P. CASEY

Project No:	Model Ref:	Drawing Status:
222102	222102-PUNCH-XX-XX-M2-C-0300	A0

Scale @ A1:	Document No:	Revision No:
1:500	222102-PUNCH-XX-XX-DR-C-0300	C04