

Malcolm McCabe
70 Sir John Rogersons Quay
Dublin
Co. Dublin

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

8 April 2020

**Re: Design Submission for 275-289 South Circular Road, Dublin, Co. Dublin (the “Development”)
(the “Design Submission”) / Connection Reference No: CDS19002980**

Dear Malcolm McCabe,

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: 01 89 25991
Email: agarcia@water.ie

Yours sincerely,



Maria O’Dwyer
Connections and Developer Services

Appendix A

Document Title & Revision

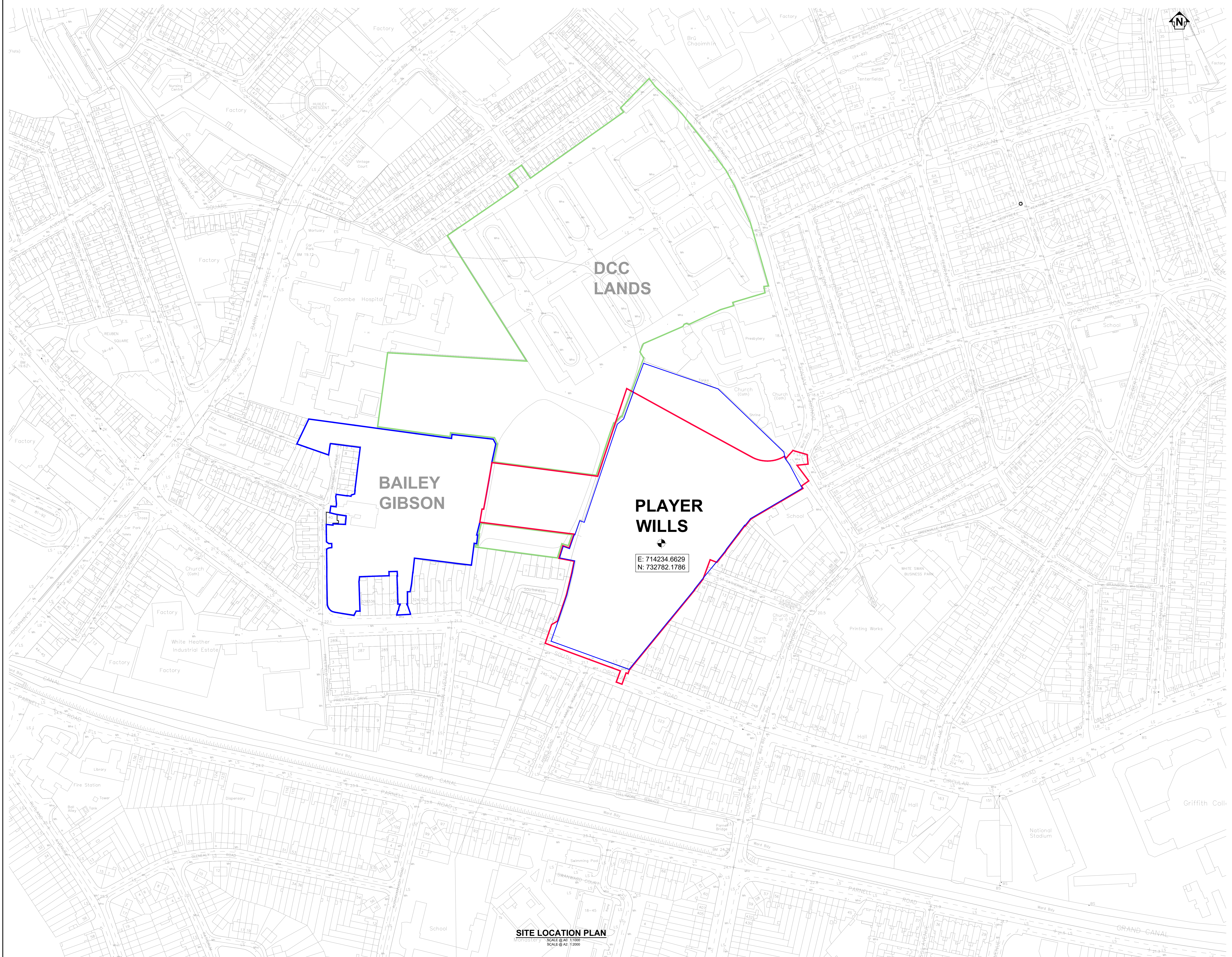
- PW-BMD-ZZ-XX-DR-C-1000 - Site Location Plan
- PW-BMD-ZZ-XX-DR-C-1001 - Roads and Surfaces Plan
- PW-BMD-ZZ-XX-DR-C-1021 - Proposed Foul and Surface Water Drainage Sheet 1
- PW-BMD-ZZ-XX-DR-C-1022 - Proposed Foul and Surface Water Drainage Sheet 2
- PW-BMD-ZZ-XX-DR-C-1030 - Proposed Watermain Layout Sheet 1
- PW-BMD-ZZ-XX-DR-C-1031 - Proposed Watermain Layout Sheet 2
- PW-BMD-ZZ-XX-DR-C-1120 - Proposed Foul Drainage Long Section
- PW-BMD-ZZ-XX-DR-C-1130 - Proposed Watermain Long Sections

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.

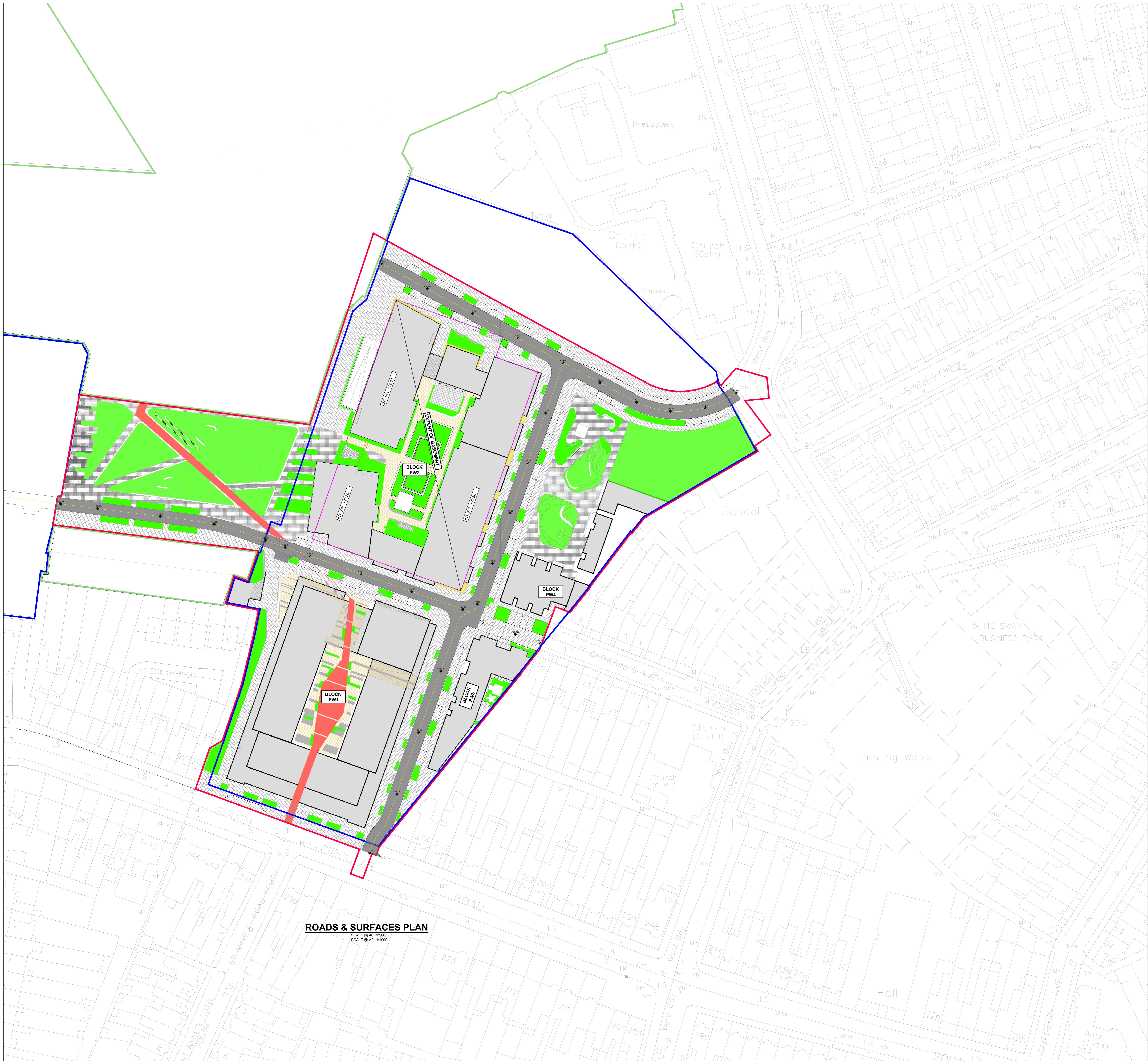
NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS DRAWINGS FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED, WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - ASK.
2. CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.



SITE LOCATION PLAN
 SCALE @ A0: 1:1000
 SCALE @ A2: 1:2000

| | | | | |
|---|----------|--|------|------|
| PL1 | 31.03.20 | ISSUED FOR PLANNING | 100% | 100% |
| P01 | 08.01.20 | PRELIMINARY ISSUE | 100% | 100% |
| ISSUE | DATE | DESCRIPTION | REV | DATE |
| DRAWING STAGE | | PLANNING | | |
| BM | | Dublin Office: Sandwith House, 53-54 Lower Sandwith Street, Dublin 2, Ireland. Tel: 01 472 2200 Fax: 01 472 2164 London Office: 12 Mark Street, London SE1 2JX, United Kingdom Tel: (0)444 20 3700 3330 | | |
| | | Consulting Engineers, Civil, Structural, Project Management E-mail: info@bm.ie Web: www.bm.ie | | |
| CLIENT: CWTC MULTI FAMILY ICAV ACTING SOLELY IN RESPECT OF ITS SUB FUND DBTR SCR1 FUND | | | | |
| PROJECT TITLE | | PROJECT No. | | |
| PLAYER WILLS SOUTH CIRCULAR ROAD | | 19117 | | |
| MODEL REFERENCE | | MODEL REV. / SUBMITTAL | | |
| DRAWING TITLE | | DATE | | |
| SITE LOCATION PLAN | | | | |
| DRAWING No. PW-CMD-00-XX-DR-C-1000 | | | | PL1 |



ROADS & SURFACES PLAN
 SCALE @ A0: 1:500
 SCALE @ A2: 1:1000



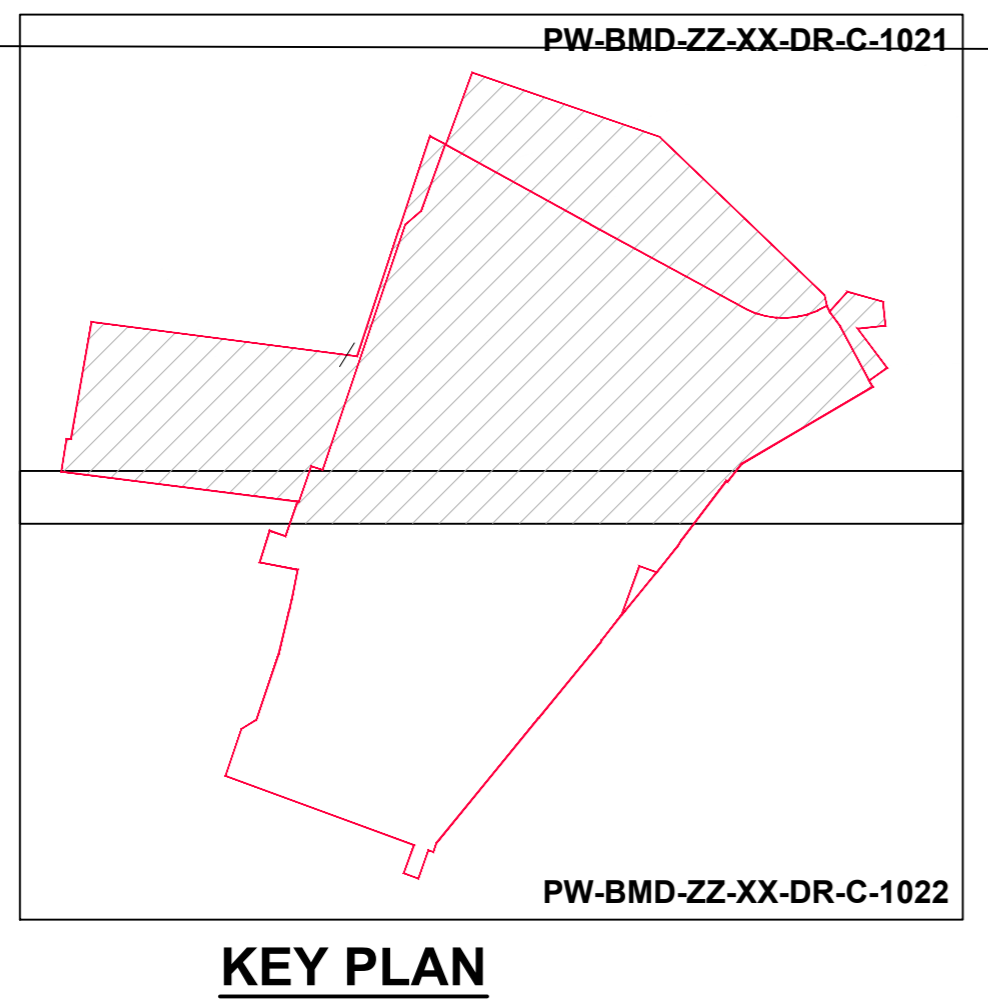
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 - CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

| CIVIL LEGEND | |
|--------------|---|
| | SOFT LANDSCAPING/TERRACE LANDSCAPING TO LANDSCAPE ARCHITECTS SPECIFICATION |
| | PAVED ROAD/SHARED SURFACE TO MEET DUBLIN CITY COUNCIL TAKING IN CHARGE CONSTRUCTION STANDARDS |
| | ASPHALT ROAD SURFACE TO DETAIL RM016 OF CONSTRUCTION STANDARDS FOR ROAD AND STREET WORKS IN DUBLIN CITY COUNCIL |
| | PAVED FOOTPATH TO MEET DUBLIN CITY COUNCIL TAKING IN CHARGE CONSTRUCTION STANDARDS |
| | PAVED PEDESTRIAN CROSSING TO MEET DUBLIN CITY COUNCIL TAKING IN CHARGE STANDARDS |
| | TACTILE BLISTER PAVING (BUFF IN COLOUR) REFER TO DRAWING C1212 FOR DETAILS |
| | TACTILE BLISTER PAVING (RED IN COLOUR) REFER TO DRAWING C1212 FOR DETAILS |
| | PARKING BAY FINISH TO LANDSCAPE ARCHITECTS SPECIFICATION TO MEET DUBLIN CITY COUNCIL TAKING IN CHARGE CONSTRUCTION STANDARDS |
| | COURTYARD PAVING. REFER TO DRAWING C1212 FOR DETAILS |
| | NEW IN-SITU CONCRETE KERBS. REFER TO DETAIL B ON DRAWING C-1213 FOR DETAILS |
| DK | "DK" DENOTES DROPPED KERB i.e. 0-4mm UPSTAND. NOTE KERBS TO FRONT OF PARKING BAYS SHALL BE LIMITED TO 25mm UPSTAND. STANDARD 125mm KERBS TO BE PROVIDED ELSEWHERE UNLESS OTHERWISE NOTED. |
| | DENOTES PROPOSED TRAFFIC SIGN ON NEW 76.1mmØ CHS GALVANIZED POST AND FOUNDATION |
| | SITE BOUNDARY |
| | SITE OWNERSHIP BOUNDARY |
| | PAVED SURFACE TO MEET DUBLIN CITY COUNCIL TAKING IN CHARGE CONSTRUCTION STANDARDS |
| | COURTYARD PAVING TO LANDSCAPE ARCHITECTS SPECIFICATION |

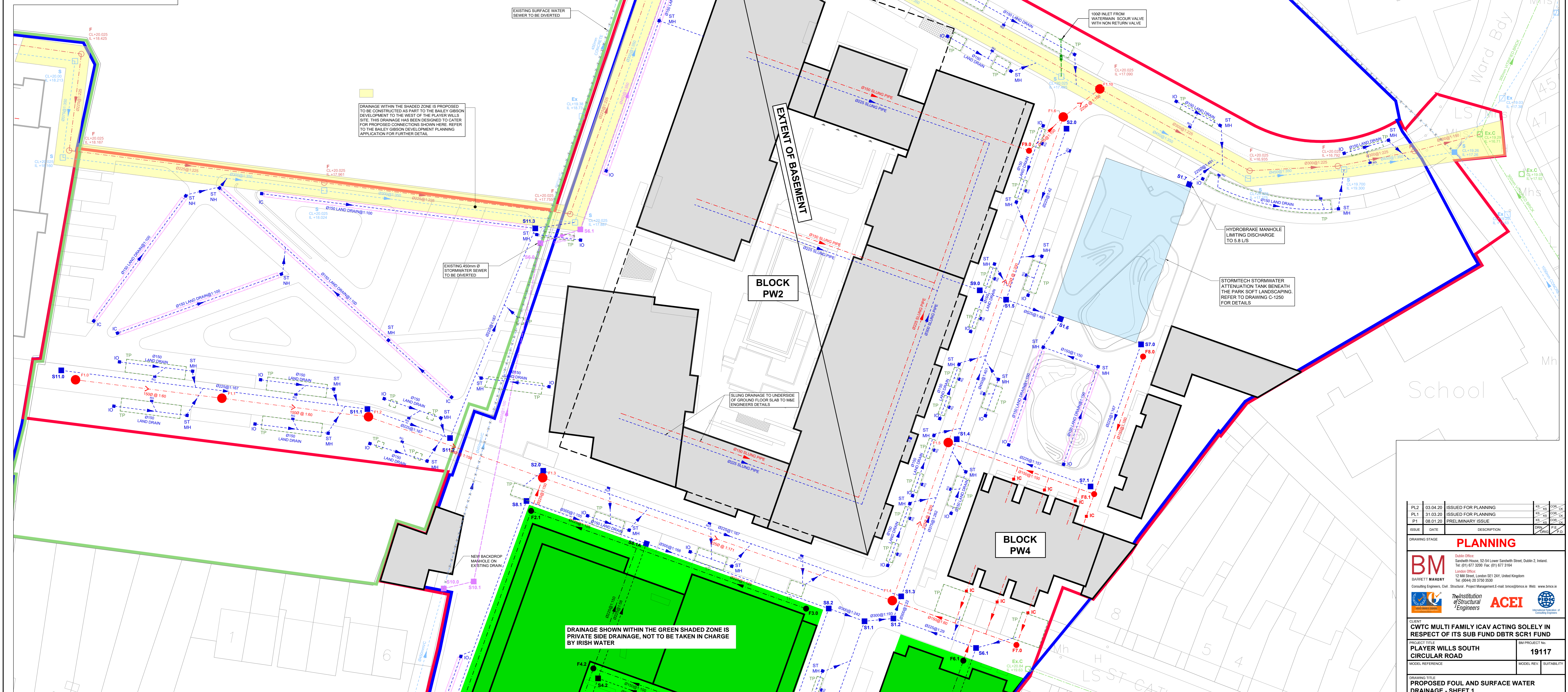
| | | | | |
|---|----------|---|-------------|--------------------|
| PL1 | 31.03.20 | ISSUED FOR PLANNING | 15.11.19 | ISSUED FOR COMMENT |
| P01 | 15.11.19 | ISSUED FOR COMMENT | | |
| ISSUE | DATE | DESCRIPTION | | |
| DRAWING STAGE | | PLANNING | | |
| BM | | Dublin Office: Sandwell House, 33-34 Lower Sandwell Street, Dublin 2, Ireland. Tel: 011 872 3200 Fax: 011 872 3164 London Office: 12 Mill Street, London SE11 3AX, United Kingdom Tel: (0)444 20 3700 3330 | | |
| | | | | |
| CLIENT: CWTC MULTI FAMILY ICVA ACTING SOLELY IN RESPECT OF ITS SUB FUND DBTR SCR1 FUND | | | | |
| PROJECT TITLE | | PROJECT No. | | |
| PLAYER WILLS SOUTH CIRCULAR ROAD | | 19.117 | | |
| MODEL REFERENCE | | MODEL REV. | SUITABILITY | |
| DRAWING TITLE | | ROADS & SURFACES PLAN | | |
| DRAWING No. PW-BMD-00-XX-DR-C-1001 | | | | DATE PL1 |

CIVIL LEGEND

| | | | |
|---|---|---|---|
| EX FOUL MANHOLE | EX FOUL WATER PIPE | NEW FOUL MANHOLE | NEW FOUL WATER PIPE |
| EX SURFACE WATER MANHOLE | EX SURFACE WATER PIPE | NEW SURFACE WATER MANHOLE | NEW SURFACE WATER PIPE |
| EX SURFACE WATER PIPE | NEW SURFACE WATER MANHOLE ON DIVERTED STORMWATER PIPE/CULVERT | EX SURFACE WATER PIPE | NEW SURFACE WATER PIPE |
| NEW SURFACE WATER PIPE | EX SURFACE WATER PIPE | NEW SURFACE WATER MANHOLE ON DIVERTED STORMWATER PIPE/CULVERT | NEW SURFACE WATER PIPE |
| NEW SURFACE WATER MANHOLE ON DIVERTED STORMWATER PIPE/CULVERT | EX SURFACE WATER PIPE | NEW SURFACE WATER MANHOLE ON DIVERTED STORMWATER PIPE/CULVERT | NEW SURFACE WATER PIPE |
| DIVERTED EXISTING SURFACE WATER PIPE/CULVERT | EX SURFACE WATER PIPE | DIVERTED EXISTING SURFACE WATER PIPE/CULVERT | NEW SURFACE WATER PIPE |
| EX COMBINED MANHOLE | EX COMBINED PIPE | EX COMBINED MANHOLE | EX COMBINED PIPE |
| EX COMBINED PIPE | NEW COMBINED PIPE | EX COMBINED MANHOLE | NEW COMBINED PIPE |
| DECOMMISSIONED LINE | NEW PERFORATED LAND DRAIN | DECOMMISSIONED LINE | NEW PERFORATED LAND DRAIN |
| NEW PERFORATED LAND DRAIN | NEW TREE PIT | NEW PERFORATED LAND DRAIN | NEW TREE PIT |
| NEW TREE PIT | NEW INSPECTION CHAMBER | NEW TREE PIT | NEW INSPECTION CHAMBER |
| NEW INSPECTION CHAMBER | NEW SILT TRAP MANHOLE | NEW INSPECTION CHAMBER | NEW SILT TRAP MANHOLE |
| NEW SILT TRAP MANHOLE | NEW FILTER STRIP | NEW SILT TRAP MANHOLE | NEW FILTER STRIP |
| NEW FILTER STRIP | NEW SHALLOW SEWER TO BE CAST IN 150mm CONCRETE SURROUND | NEW FILTER STRIP | NEW SHALLOW SEWER TO BE CAST IN 150mm CONCRETE SURROUND |
| NEW SHALLOW SEWER TO BE CAST IN 150mm CONCRETE SURROUND | NEW INSPECTION OPENING | NEW SHALLOW SEWER TO BE CAST IN 150mm CONCRETE SURROUND | NEW INSPECTION OPENING |
| NEW INSPECTION OPENING | NEW SIDE INLET KERB GULLY | NEW INSPECTION OPENING | NEW SIDE INLET KERB GULLY |
| NEW SIDE INLET KERB GULLY | NEW ROAD GULLY | NEW SIDE INLET KERB GULLY | NEW ROAD GULLY |
| NEW ROAD GULLY | SITE BOUNDARY | NEW ROAD GULLY | SITE BOUNDARY |
| SITE BOUNDARY | SITE OWNERSHIP BOUNDARY | SITE BOUNDARY | SITE OWNERSHIP BOUNDARY |
| SITE OWNERSHIP BOUNDARY | DCC LANDS BOUNDARY | SITE OWNERSHIP BOUNDARY | DCC LANDS BOUNDARY |
| DCC LANDS BOUNDARY | | DCC LANDS BOUNDARY | |



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 - CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.
- PIPE MATERIALS**
- UNLESS SPECIFICALLY NOTED OTHERWISE IN THE DRAINAGE LAYOUT THE PIPE MATERIAL WILL BE AS FOLLOWS:
- PIPE DIAMETER < 225mm: USE uPVC PIPE WORK
 PIPE DIAMETER ≥ 225mm: USE CONCRETE PIPE WORK
 PIPE MATERIAL TO BE IN ACCORDANCE WITH THE FOLLOWING:
- CONCRETE PIPES TO HAVE SPIGOT & SOCKET JOINTS AND RUBBER RING FITTINGS TO IS EN 1018 (2002), BS5911, PART 1, (2009-2010) AND IS 6 (2004), STRENGTH CLASS 150
 - uPVC PIPES, JOINTS AND FITTINGS TO COMPLY WITH THE PROVISION OF IS EN 1401 - PART 1 AND IS 6460 (NOTE: uPVC PIPES NOT PERMITTED IN AREAS TO BE TAKEN IN CHARGE BY DUBLIN CITY COUNCIL)
- NOTE:**
- THREE AND SHRUB PLANTING IN THE VICINITY OF WATERMANS AND DRAINS SHALL BE IN ACCORDANCE WITH IRISH WATER STANDARDS' DETAILS STD-W-12, STD-W-12A, STD-W-12B, STD-W-12C, STD-W-12D, STD-W-12E, STD-W-12F, STD-W-12G, STD-W-12H, STD-W-12I, STD-W-12J, STD-W-12K, STD-W-12L, STD-W-12M, STD-W-12N, STD-W-12O, STD-W-12P, STD-W-12Q, STD-W-12R, STD-W-12S, STD-W-12T, STD-W-12U, STD-W-12V, STD-W-12W, STD-W-12X, STD-W-12Y, STD-W-12Z, STD-W-12AA, STD-W-12AB, STD-W-12AC, STD-W-12AD, STD-W-12AE, STD-W-12AF, STD-W-12AG, STD-W-12AH, STD-W-12AI, STD-W-12AJ, STD-W-12AK, STD-W-12AL, STD-W-12AM, STD-W-12AN, STD-W-12AO, STD-W-12AP, STD-W-12AQ, STD-W-12AR, STD-W-12AS, STD-W-12AT, STD-W-12AU, STD-W-12AV, STD-W-12AW, STD-W-12AX, STD-W-12AY, STD-W-12AZ, STD-W-12BA, STD-W-12BB, STD-W-12BC, STD-W-12BD, STD-W-12BE, STD-W-12BF, STD-W-12BG, STD-W-12BH, STD-W-12BI, STD-W-12BJ, STD-W-12BK, STD-W-12BL, STD-W-12BM, STD-W-12BN, STD-W-12BO, STD-W-12BP, STD-W-12BQ, STD-W-12BR, STD-W-12BS, STD-W-12BT, STD-W-12BU, STD-W-12BV, STD-W-12BW, STD-W-12BX, STD-W-12BY, STD-W-12BZ, STD-W-12CA, STD-W-12CB, STD-W-12CC, STD-W-12CD, STD-W-12CE, STD-W-12CF, STD-W-12CG, STD-W-12CH, STD-W-12CI, STD-W-12CJ, STD-W-12CK, STD-W-12CL, STD-W-12CM, STD-W-12CN, STD-W-12CO, STD-W-12CP, STD-W-12CQ, STD-W-12CR, STD-W-12CS, STD-W-12CT, STD-W-12CU, STD-W-12CV, STD-W-12CW, STD-W-12CX, STD-W-12CY, STD-W-12CZ, STD-W-12DA, STD-W-12DB, STD-W-12DC, STD-W-12DD, STD-W-12DE, STD-W-12DF, STD-W-12DG, STD-W-12DH, STD-W-12DI, STD-W-12DJ, STD-W-12DK, STD-W-12DL, STD-W-12DM, STD-W-12DN, STD-W-12DO, STD-W-12DP, STD-W-12DQ, STD-W-12DR, STD-W-12DS, STD-W-12DT, STD-W-12DU, STD-W-12DV, STD-W-12DW, STD-W-12DX, STD-W-12DY, STD-W-12DZ, STD-W-12EA, STD-W-12EB, STD-W-12EC, STD-W-12ED, STD-W-12EE, STD-W-12EF, STD-W-12EG, STD-W-12EH, STD-W-12EI, STD-W-12EJ, STD-W-12EK, STD-W-12EL, STD-W-12EM, STD-W-12EN, STD-W-12EO, STD-W-12EP, STD-W-12EQ, STD-W-12ER, STD-W-12ES, STD-W-12ET, STD-W-12EU, STD-W-12EV, STD-W-12EW, STD-W-12EX, STD-W-12EY, STD-W-12EZ, STD-W-12FA, STD-W-12FB, STD-W-12FC, STD-W-12FD, STD-W-12FE, STD-W-12FF, STD-W-12FG, STD-W-12FH, STD-W-12FI, STD-W-12FJ, STD-W-12FK, STD-W-12FL, STD-W-12FM, STD-W-12FN, STD-W-12FO, STD-W-12FP, STD-W-12FQ, STD-W-12FR, STD-W-12FS, STD-W-12FT, STD-W-12FU, STD-W-12FV, STD-W-12FW, STD-W-12FX, STD-W-12FY, STD-W-12FZ, STD-W-12GA, STD-W-12GB, STD-W-12GC, STD-W-12GD, STD-W-12GE, STD-W-12GF, STD-W-12GG, STD-W-12GH, STD-W-12GI, STD-W-12GJ, STD-W-12GK, STD-W-12GL, STD-W-12GM, STD-W-12GN, STD-W-12GO, STD-W-12GP, STD-W-12GQ, STD-W-12GR, STD-W-12GS, STD-W-12GT, STD-W-12GU, STD-W-12GV, STD-W-12GW, STD-W-12GX, STD-W-12GY, STD-W-12GZ, STD-W-12HA, STD-W-12HB, STD-W-12HC, STD-W-12HD, STD-W-12HE, STD-W-12HF, STD-W-12HG, STD-W-12HH, STD-W-12HI, STD-W-12HJ, STD-W-12HK, STD-W-12HL, STD-W-12HM, STD-W-12HN, STD-W-12HO, STD-W-12HP, STD-W-12HQ, STD-W-12HR, STD-W-12HS, STD-W-12HT, STD-W-12HU, STD-W-12HV, STD-W-12HW, STD-W-12HX, STD-W-12HY, STD-W-12HZ, STD-W-12IA, STD-W-12IB, STD-W-12IC, STD-W-12ID, STD-W-12IE, STD-W-12IF, STD-W-12IG, STD-W-12IH, STD-W-12II, STD-W-12IJ, STD-W-12IK, STD-W-12IL, STD-W-12IM, STD-W-12IN, STD-W-12IO, STD-W-12IP, STD-W-12IQ, STD-W-12IR, STD-W-12IS, STD-W-12IT, STD-W-12IU, STD-W-12IV, STD-W-12IW, STD-W-12IX, STD-W-12IY, STD-W-12IZ, STD-W-12JA, STD-W-12JB, STD-W-12JC, STD-W-12JD, STD-W-12JE, STD-W-12JF, STD-W-12JG, STD-W-12JH, STD-W-12JI, STD-W-12JJ, STD-W-12JK, STD-W-12JL, STD-W-12JM, STD-W-12JN, STD-W-12JO, STD-W-12JP, STD-W-12JQ, STD-W-12JR, STD-W-12JS, STD-W-12JT, STD-W-12JU, STD-W-12JV, STD-W-12JW, STD-W-12JX, STD-W-12JY, STD-W-12JZ, STD-W-12KA, STD-W-12KB, STD-W-12KC, STD-W-12KD, STD-W-12KE, STD-W-12KF, STD-W-12KG, STD-W-12KH, STD-W-12KI, STD-W-12KJ, STD-W-12KK, STD-W-12KL, STD-W-12KM, STD-W-12KN, STD-W-12KO, STD-W-12KP, STD-W-12KQ, STD-W-12KR, STD-W-12KS, STD-W-12KT, STD-W-12KU, STD-W-12KV, STD-W-12KW, STD-W-12KX, STD-W-12KY, STD-W-12KZ, STD-W-12LA, STD-W-12LB, STD-W-12LC, STD-W-12LD, STD-W-12LE, STD-W-12LF, STD-W-12LG, STD-W-12LH, STD-W-12LI, STD-W-12LJ, STD-W-12LK, STD-W-12LL, STD-W-12LM, STD-W-12LN, STD-W-12LO, STD-W-12LP, STD-W-12LQ, STD-W-12LR, STD-W-12LS, STD-W-12LT, STD-W-12LU, STD-W-12LV, STD-W-12LW, STD-W-12LX, STD-W-12LY, STD-W-12LZ, STD-W-12MA, STD-W-12MB, STD-W-12MC, STD-W-12MD, STD-W-12ME, STD-W-12MF, STD-W-12MG, STD-W-12MH, STD-W-12MI, STD-W-12MJ, STD-W-12MK, STD-W-12ML, STD-W-12MN, STD-W-12MO, STD-W-12MP, STD-W-12MQ, STD-W-12MR, STD-W-12MS, STD-W-12MT, STD-W-12MU, STD-W-12MV, STD-W-12MW, STD-W-12MX, STD-W-12MY, STD-W-12MZ, STD-W-12NA, STD-W-12NB, STD-W-12NC, STD-W-12ND, STD-W-12NE, STD-W-12NF, STD-W-12NG, STD-W-12NH, STD-W-12NI, STD-W-12NJ, STD-W-12NK, STD-W-12NL, STD-W-12NM, STD-W-12NN, STD-W-12NO, STD-W-12NP, STD-W-12NQ, STD-W-12NR, STD-W-12NS, STD-W-12NT, STD-W-12NU, STD-W-12NV, STD-W-12NW, STD-W-12NX, STD-W-12NY, STD-W-12NZ, STD-W-12OA, STD-W-12OB, STD-W-12OC, STD-W-12OD, STD-W-12OE, STD-W-12OF, STD-W-12OG, STD-W-12OH, STD-W-12OI, STD-W-12OJ, STD-W-12OK, STD-W-12OL, STD-W-12OM, STD-W-12ON, STD-W-12OO, STD-W-12OP, STD-W-12OQ, STD-W-12OR, STD-W-12OS, STD-W-12OT, STD-W-12OU, STD-W-12OV, STD-W-12OW, STD-W-12OX, STD-W-12OY, STD-W-12OZ, STD-W-12PA, STD-W-12PB, STD-W-12PC, STD-W-12PD, STD-W-12PE, STD-W-12PF, STD-W-12PG, STD-W-12PH, STD-W-12PI, STD-W-12PJ, STD-W-12PK, STD-W-12PL, STD-W-12PM, STD-W-12PN, STD-W-12PO, STD-W-12PP, STD-W-12PQ, STD-W-12PR, STD-W-12PS, STD-W-12PT, STD-W-12PU, STD-W-12PV, STD-W-12PW, STD-W-12PX, STD-W-12PY, STD-W-12PZ, STD-W-12QA, STD-W-12QB, STD-W-12QC, STD-W-12QD, STD-W-12QE, STD-W-12QF, STD-W-12QG, STD-W-12QH, STD-W-12QI, STD-W-12QJ, STD-W-12QK, STD-W-12QL, STD-W-12QM, STD-W-12QN, STD-W-12QO, STD-W-12QP, STD-W-12QQ, STD-W-12QR, STD-W-12QS, STD-W-12QT, STD-W-12QU, STD-W-12QV, STD-W-12QW, STD-W-12QX, STD-W-12QY, STD-W-12QZ, STD-W-12RA, STD-W-12RB, STD-W-12RC, STD-W-12RD, STD-W-12RE, STD-W-12RF, STD-W-12RG, STD-W-12RH, STD-W-12RI, STD-W-12RJ, STD-W-12RK, STD-W-12RL, STD-W-12RM, STD-W-12RN, STD-W-12RO, STD-W-12RP, STD-W-12RQ, STD-W-12RR, STD-W-12RS, STD-W-12RT, STD-W-12RU, STD-W-12RV, STD-W-12RW, STD-W-12RX, STD-W-12RY, STD-W-12RZ, STD-W-12SA, STD-W-12SB, STD-W-12SC, STD-W-12SD, STD-W-12SE, STD-W-12SF, STD-W-12SG, STD-W-12SH, STD-W-12SI, STD-W-12SJ, STD-W-12SK, STD-W-12SL, STD-W-12SM, STD-W-12SN, STD-W-12SO, STD-W-12SP, STD-W-12SQ, STD-W-12SR, STD-W-12SS, STD-W-12ST, STD-W-12SU, STD-W-12SV, STD-W-12SW, STD-W-12SX, STD-W-12SY, STD-W-12SZ, STD-W-12TA, STD-W-12TB, STD-W-12TC, STD-W-12TD, STD-W-12TE, STD-W-12TF, STD-W-12TG, STD-W-12TH, STD-W-12TI, STD-W-12TJ, STD-W-12TK, STD-W-12TL, STD-W-12TM, STD-W-12TN, STD-W-12TO, STD-W-12TP, STD-W-12TQ, STD-W-12TR, STD-W-12TS, STD-W-12TT, STD-W-12TU, STD-W-12TV, STD-W-12TW, STD-W-12TX, STD-W-12TY, STD-W-12TZ, STD-W-12UA, STD-W-12UB, STD-W-12UC, STD-W-12UD, STD-W-12UE, STD-W-12UF, STD-W-12UG, STD-W-12UH, STD-W-12UI, STD-W-12UJ, STD-W-12UK, STD-W-12UL, STD-W-12UM, STD-W-12UN, STD-W-12UO, STD-W-12UP, STD-W-12UQ, STD-W-12UR, STD-W-12US, STD-W-12UT, STD-W-12UU, STD-W-12UV, STD-W-12UW, STD-W-12UX, STD-W-12UY, STD-W-12UZ, STD-W-12VA, STD-W-12VB, STD-W-12VC, STD-W-12VD, STD-W-12VE, STD-W-12VF, STD-W-12VG, STD-W-12VH, STD-W-12VI, STD-W-12VJ, STD-W-12VK, STD-W-12VL, STD-W-12VM, STD-W-12VN, STD-W-12VO, STD-W-12VP, STD-W-12VQ, STD-W-12VR, STD-W-12VS, STD-W-12VT, STD-W-12VU, STD-W-12VV, STD-W-12VW, STD-W-12VX, STD-W-12VY, STD-W-12VZ, STD-W-12WA, STD-W-12WB, STD-W-12WC, STD-W-12WD, STD-W-12WE, STD-W-12WF, STD-W-12WG, STD-W-12WH, STD-W-12WI, STD-W-12WJ, STD-W-12WK, STD-W-12WL, STD-W-12WM, STD-W-12WN, STD-W-12WO, STD-W-12WP, STD-W-12WQ, STD-W-12WR, STD-W-12WS, STD-W-12WT, STD-W-12WU, STD-W-12WV, STD-W-12WW, STD-W-12WX, STD-W-12WY, STD-W-12WZ, STD-W-12XA, STD-W-12XB, STD-W-12XC, STD-W-12XD, STD-W-12XE, STD-W-12XF, STD-W-12XG, STD-W-12XH, STD-W-12XI, STD-W-12XJ, STD-W-12XK, STD-W-12XL, STD-W-12XM, STD-W-12XN, STD-W-12XO, STD-W-12XP, STD-W-12XQ, STD-W-12XR, STD-W-12XS, STD-W-12XT, STD-W-12XU, STD-W-12XV, STD-W-12XW, STD-W-12XX, STD-W-12XY, STD-W-12XZ, STD-W-12YA, STD-W-12YB, STD-W-12YC, STD-W-12YD, STD-W-12YE, STD-W-12YF, STD-W-12YG, STD-W-12YH, STD-W-12YI, STD-W-12YJ, STD-W-12YK, STD-W-12YL, STD-W-12YM, STD-W-12YN, STD-W-12YO, STD-W-12YP, STD-W-12YQ, STD-W-12YR, STD-W-12YS, STD-W-12YT, STD-W-12YU, STD-W-12YV, STD-W-12YW, STD-W-12YX, STD-W-12YY, STD-W-12YZ, STD-W-12ZA, STD-W-12ZB, STD-W-12ZC, STD-W-12ZD, STD-W-12ZE, STD-W-12ZF, STD-W-12ZG, STD-W-12ZH, STD-W-12ZI, STD-W-12ZJ, STD-W-12ZK, STD-W-12ZL, STD-W-12ZM, STD-W-12ZN, STD-W-12ZO, STD-W-12ZP, STD-W-12ZQ, STD-W-12ZR, STD-W-12ZS, STD-W-12ZT, STD-W-12ZU, STD-W-12ZV, STD-W-12ZW, STD-W-12ZX, STD-W-12ZY, STD-W-12ZZ



PROPOSED FOUL AND SURFACE WATER DRAINAGE - SHEET 1

| | | | | |
|-----|----------|---------------------|-----|-----|
| PL2 | 03.04.20 | ISSUED FOR PLANNING | 1/5 | 5/5 |
| PL1 | 31.03.20 | ISSUED FOR PLANNING | 1/5 | 5/5 |
| P1 | 08.01.20 | PRELIMINARY ISSUE | 1/5 | 5/5 |

DRAWING STAGE: **PLANNING**

BM BARRITT MANDRY
 Consulting Engineers, Civil, Structural, Project Management & Environmental Engineers

ACEI The Institution of Structural Engineers

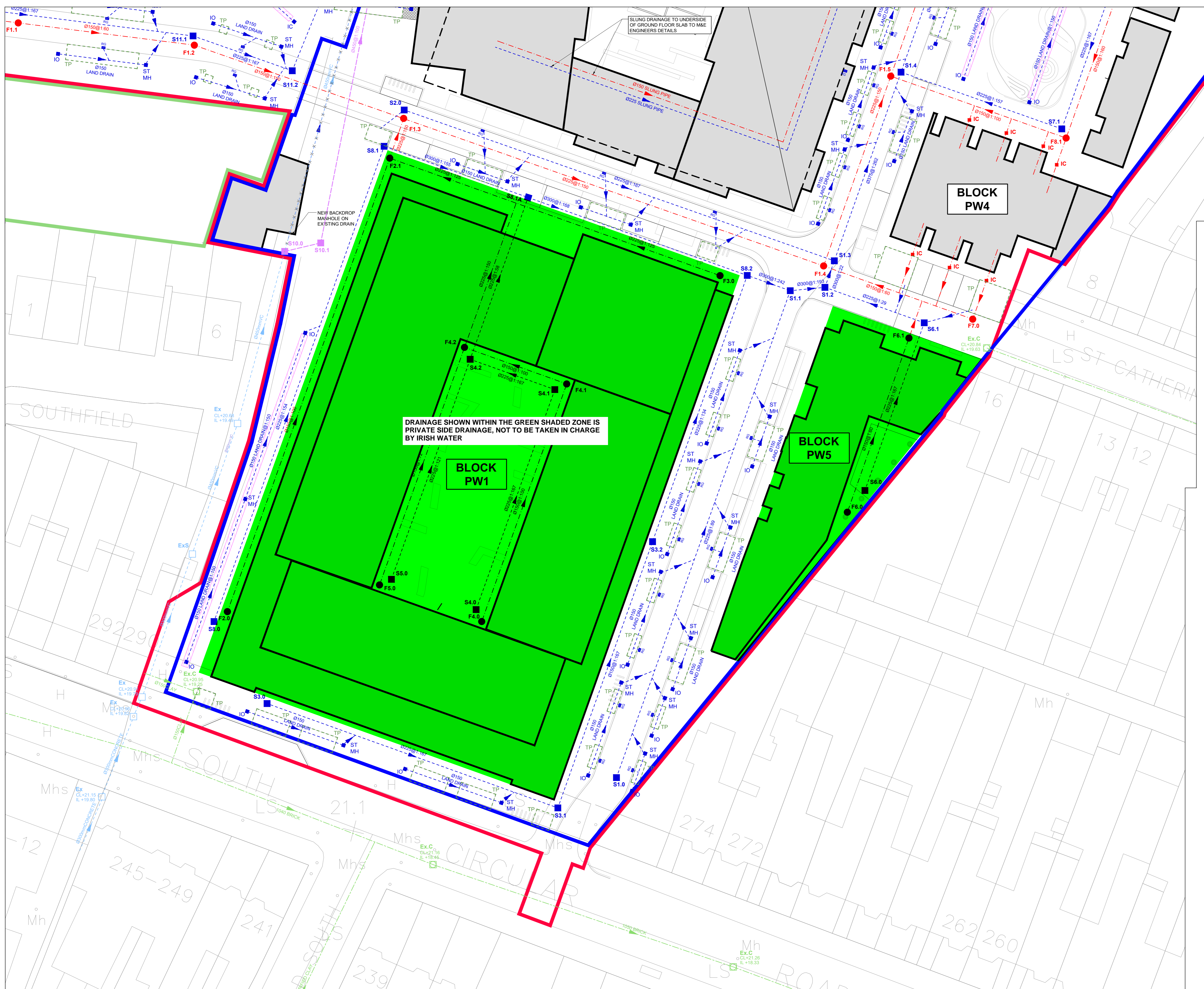
CLIENT: **CWTC MULTI FAMILY ICV ACTING SOLELY IN RESPECT OF ITS SUB FUND DBTR SCR1 FUND**

PROJECT TITLE: **PLAYER WILLS SOUTH CIRCULAR ROAD**

PROJECT NO: **19117**

DRAWING TITLE: **PROPOSED FOUL AND SURFACE WATER DRAINAGE - SHEET 1**

DRAWING NO: **PW-BMD-ZZ-XX-DR-C-1021** | SHEET NO: **PL2**



DRAINAGE SHOWN WITHIN THE GREEN SHADED ZONE IS PRIVATE SIDE DRAINAGE, NOT TO BE TAKEN IN CHARGE BY IRISH WATER



| REF. | COVER LEVEL | INVERT LEVEL | REMARKS |
|-------|-------------|--------------|---------|
| S1.0 | +20.900 | +19.475 | |
| S1.1 | +20.100 | +18.507 | |
| S1.2 | +20.100 | +18.480 | |
| S1.3 | +20.100 | +18.298 | |
| S1.4 | +20.200 | +17.850 | |
| S1.5 | +20.000 | +17.856 | |
| S1.6 | 20.000 | +17.834 | |
| S1.7 | 20.000 | +17.500 | |
| S2.0 | +20.200 | +18.779 | |
| S3.0 | +20.900 | +19.475 | |
| S3.1 | +20.900 | +19.192 | |
| S3.2 | +20.600 | +18.934 | |
| S4.0 | 21.000 | 19.375 | |
| S4.1 | 21.000 | 19.361 | |
| S4.2 | 21.000 | 19.279 | |
| S5.0 | 21.000 | 19.575 | |
| S6.0 | 20.700 | 19.275 | |
| S6.1 | 20.500 | 19.112 | |
| S7.0 | 20.000 | 18.575 | |
| S7.1 | 20.000 | 18.409 | |
| S8.0 | 20.300 | 19.475 | |
| S8.1 | 20.300 | 18.900 | |
| S8.1A | 20.400 | 18.749 | |
| S8.2 | 20.400 | 18.536 | |
| S9.0 | 20.000 | 18.081 | |
| S10.0 | 20.400 | 18.760 | |
| S10.1 | 20.400 | 18.730 | |
| S11.0 | 20.500 | 19.100 | |
| S11.1 | 20.300 | 18.761 | |
| S11.2 | 20.200 | 18.664 | |
| S11.3 | 20.100 | 18.416 | |

| REF. | COVER LEVEL | INVERT LEVEL | REMARKS |
|------|-------------|--------------|---------|
| F1.0 | +20.500 | +19.100 | |
| F1.1 | +20.200 | +18.510 | |
| F1.2 | +20.200 | +18.280 | |
| F1.3 | +20.200 | +18.000 | |
| F1.4 | +20.200 | +17.800 | |
| F1.5 | +20.000 | +17.460 | |
| F1.6 | +20.000 | +17.150 | |
| F2.0 | +20.900 | +19.650 | |
| F2.1 | +20.400 | +18.920 | |
| F3.0 | +20.400 | +19.350 | |
| F4.0 | +21.000 | +19.750 | |
| F4.1 | +21.000 | +19.390 | |
| F4.2 | +21.000 | +19.250 | |
| F5.0 | +21.000 | +19.700 | |
| F6.0 | +20.700 | +19.400 | |
| F6.1 | +20.500 | +19.000 | |
| F7.0 | +20.500 | +19.000 | |
| F8.0 | +20.000 | +18.450 | |
| F8.1 | +20.000 | +18.000 | |
| F9.0 | +20.100 | +18.600 | |

NOTES

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- CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

CIVIL LEGEND

- EX FOUL MANHOLE
- EX FOUL PIPE
- NEW FOUL MANHOLE
- NEW FOUL PIPE
- NEW FOUL INSPECTION CHAMBER
- EX SURFACE WATER MANHOLE
- EX SURFACE WATER PIPE
- NEW SURFACE WATER MANHOLE
- NEW SURFACE WATER PIPE
- NEW SURFACE WATER MANHOLE ON DIVERTED STORMWATER PIPE/CULVERT
- DIVERTED EXISTING SURFACE WATER PIPE/CULVERT
- EX COMBINED MANHOLE
- EX COMBINED PIPE
- NEW COMBINED PIPE
- DECOMMISSIONED LINE
- NEW PERFORATED LAND DRAIN
- NEW TREE PIT
- NEW INSPECTION CHAMBER
- NEW SILT TRAP MANHOLE
- NEW FILTER STRIP
- DENOTES SHALLOW SEWER TO BE CAST IN 150mm CONCRETE SURROUND
- NEW INSPECTION OPENING
- NEW SIDE INLET KERB GULLY
- NEW ROAD GULLY
- SITE BOUNDARY
- SITE OWNERSHIP BOUNDARY
- DCC LANDS BOUNDARY

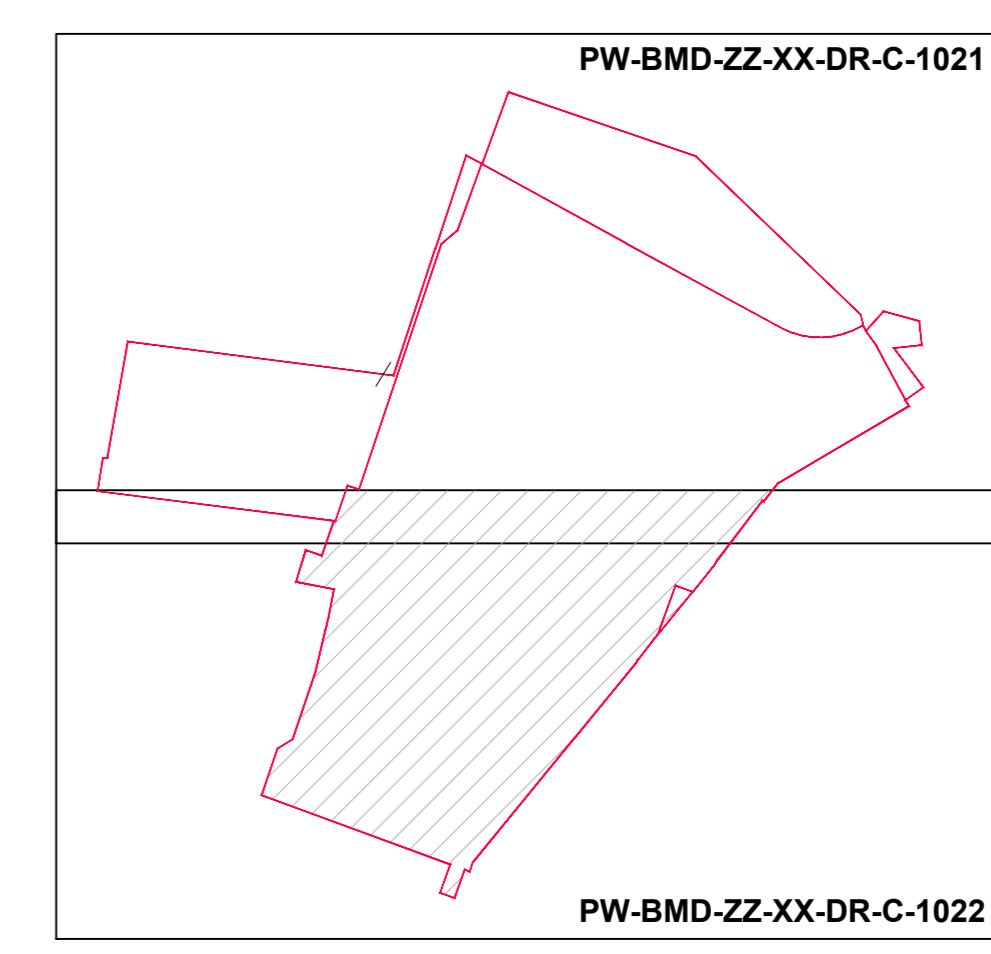
FOUL SEWER DETAILS
ALL FOUL SEWER INFRASTRUCTURE IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION OF IRISH WATER - WASTEWATER INFRASTRUCTURE STANDARD DETAILS DOCUMENT IW-CDS-5030-01

STORMWATER SEWER DETAILS
ALL STORMWATER INFRASTRUCTURE IS TO BE CONSTRUCTED TO DUBLIN CITY COUNCIL DRAINAGE DIVISION TAKING IN CHARGE STANDARDS.

PIPE MATERIALS
UNLESS SPECIFICALLY NOTED OTHERWISE IN THE DRAINAGE LAYOUT THE PIPE MATERIAL WILL BE AS FOLLOWS:
PIPE DIAMETER < 225mm: USE UPVC PIPE WORK
PIPE DIAMETER 225mm: USE CONCRETE PIPE WORK
PIPE MATERIAL TO BE IN ACCORDANCE WITH THE FOLLOWING:
1. CONCRETE PIPES TO HAVE SOCKET JOINTS AND RUBBER RING FITTINGS TO IS EN 1915 (2002); BS5911 - PART 1, (2002-2010) AND IS 6 (2004), STRENGTH CLASS 150
2. UPVC PIPES, JOINTS AND FITTINGS TO COMPLY WITH THE PROVISION OF IS EN 1401 - PART 1 AND BS 4660 (NOTE: UPVC PIPES NOT PERMITTED IN AREAS TO BE TAKEN IN CHARGE BY DUBLIN CITY COUNCIL)

NOTE:
TREE AND SHRUB PLANTING IN THE VICINITY OF WATERMANS AND DRAINS SHALL BE IN ACCORDANCE WITH IRISH WATER STANDARD DETAILS STD-W-12, STD-W-12A, STD-W-09 AND STD-W-06A, WHERE THESE RESTRICTIONS CANNOT BE ACCOMMODATED, PROTECTION MEASURES SHALL BE PROVIDED APPROPRIATE TO THE PROPOSED TREES/SHRUB SIZE, SPECIES AND LOCATION RELATIVE TO THE SPECIES. SUCH MEASURES MAY INCLUDE ROOT PROTECTION BARRIERS, HIGH PERFORMANCE JOINTS OR FUSION WELDED JOINTS FOR PE RISING WATER MAINS. FULL DETAILS OF THE PROPOSED PROTECTION MEASURES ARE TO BE SUBMITTED TO AND AGREED WITH IRISH WATER.

PROPOSED FOUL AND SURFACE WATER DRAINAGE - SHEET 2
SCALE @ A1: 1:250
SCALE @ A2: 1:500



| | | | | | |
|-----|----------|---------------------|-----|-----|-----|
| PL1 | 31.03.20 | ISSUED FOR PLANNING | 1/5 | 1/5 | 1/5 |
| P1 | 08.01.20 | PRELIMINARY ISSUE | 1/5 | 1/5 | 1/5 |

PLANNING

BM
BARRFETT MANDRY
Consulting Engineers, Civil, Structural, Project Management E-mail: info@bmd.ie Web: www.bmd.ie

ACEI
The Institution of Structural Engineers

CWTC MULTI FAMILY ICADV ACTING SOLELY IN RESPECT OF ITS SUB FUND DBTR SCR1 FUND

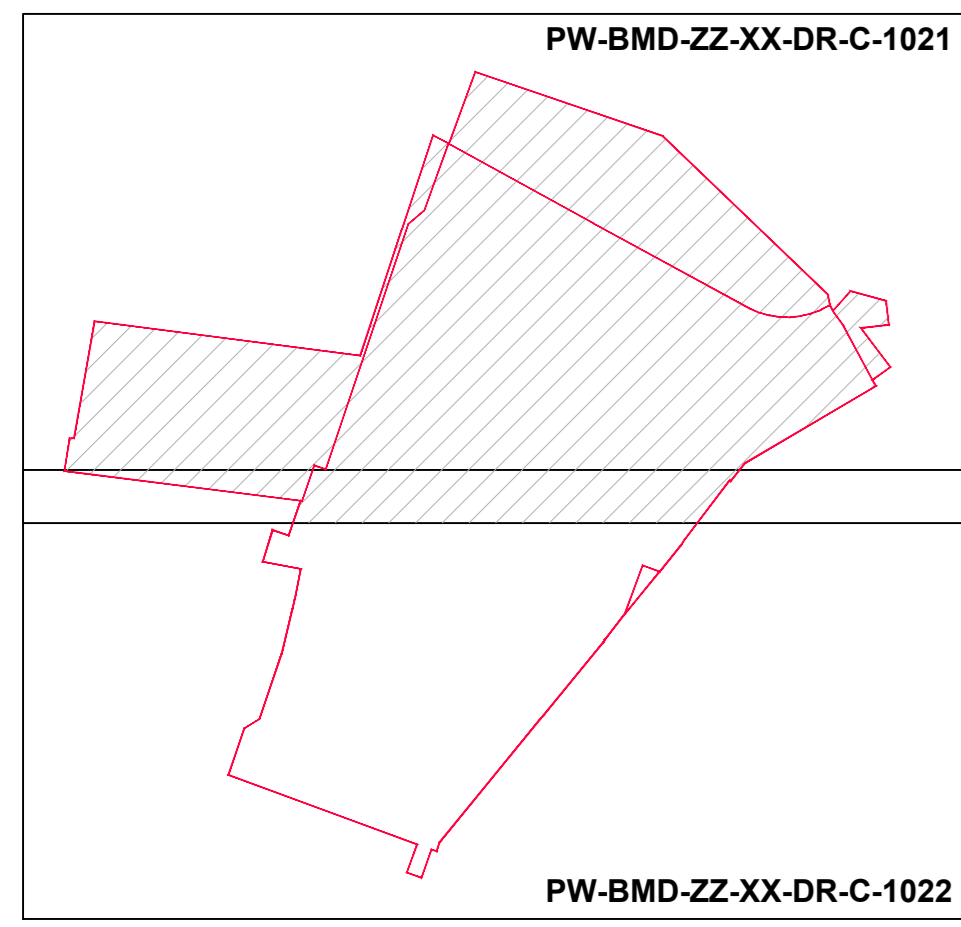
PROJECT TITLE
PLAYER WILLS SOUTH CIRCULAR ROAD

BM PROJECT No.
19117

DRAWING TITLE
PROPOSED FOUL AND SURFACE WATER DRAINAGE - SHEET 2

DRAWING No.
PW-BMD-ZZ-XX-DR-C-1022

DATE
PL1



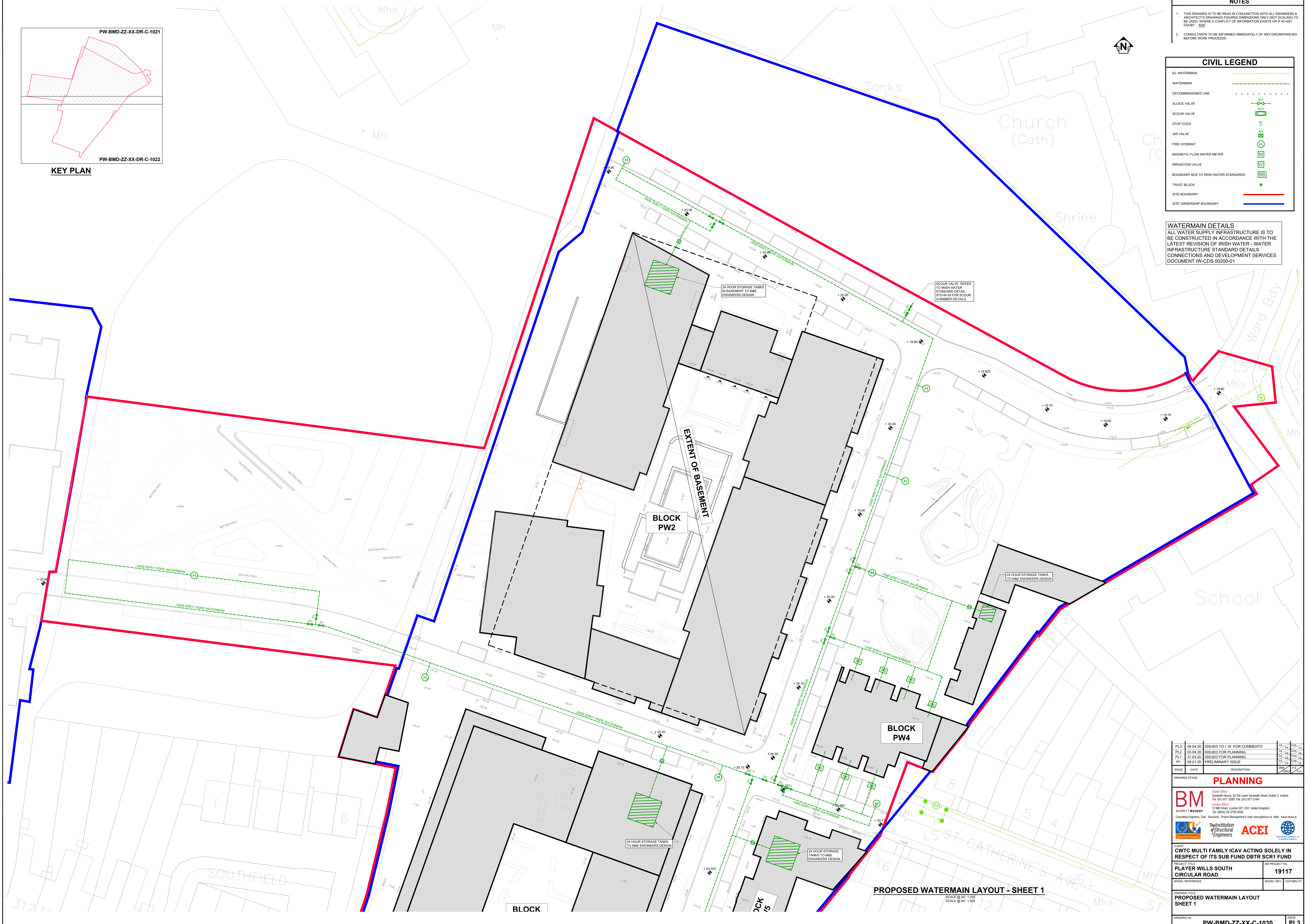
NOTES

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- CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

CIVIL LEGEND

| | |
|---------------------------------------|---------|
| EL. WATERMAIN | --- |
| WATERMAIN | --- |
| DECOMMISSIONED LINE | XXXXXXX |
| SLUICE VALVE | SV |
| SCOUR VALVE | SV |
| STOP COCK | SC |
| AIR VALVE | AV |
| FIRE HYDRANT | FD |
| MAGNETIC FLOW WATER METER | M |
| IRRIGATION VALVE | IV |
| BOUNDARY BOX TO IRISH WATER STANDARDS | BB |
| TRUST BLOCK | * |
| SITE BOUNDARY | --- |
| SITE OWNERSHIP BOUNDARY | --- |

WATERMAIN DETAILS
ALL WATER SUPPLY INFRASTRUCTURE IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION OF IRISH WATER - WATER INFRASTRUCTURE STANDARD DETAILS CONNECTIONS AND DEVELOPMENT SERVICES DOCUMENT IW-CDS-50200-01



PROPOSED WATERMAIN LAYOUT - SHEET 1
SCALE @ A0: 1:250
SCALE @ A3: 1:500

| | | | | | |
|--|----------|-----------------------------|------------------------|------|------|
| PL3 | 08.04.20 | ISSUED TO I.W. FOR COMMENTS | 1/3 | 1/3 | 1/3 |
| PL2 | 03.04.20 | ISSUED FOR PLANNING | 1/3 | 1/3 | 1/3 |
| PL1 | 21.03.20 | ISSUED FOR PLANNING | 1/3 | 1/3 | 1/3 |
| P1 | 08.01.20 | PRELIMINARY ISSUE | 1/3 | 1/3 | 1/3 |
| ISSUE | DATE | DESCRIPTION | DATE | DATE | DATE |
| DRAWING STAGE | | | | | |
| PLANNING | | | | | |
| | | | | | |
| | | | | | |
| <p>CLIENT: CWTC MULTI FAMILY ICAV ACTING SOLELY IN RESPECT OF ITS SUB FUND DBTR SCR1 FUND</p> | | | | | |
| PROJECT TITLE | | | PROJECT No. | | |
| PLAYER WILLS SOUTH CIRCULAR ROAD | | | 19117 | | |
| MODEL REFERENCE | | | MODEL REV. / SUBTILITY | | |
| DRAWING TITLE | | | SHEET | | |
| PROPOSED WATERMAIN LAYOUT SHEET 1 | | | 1 | | |
| DRAWING No. PW-BMD-ZZ-XX-C-1030 / SHEET PL3 | | | | | |

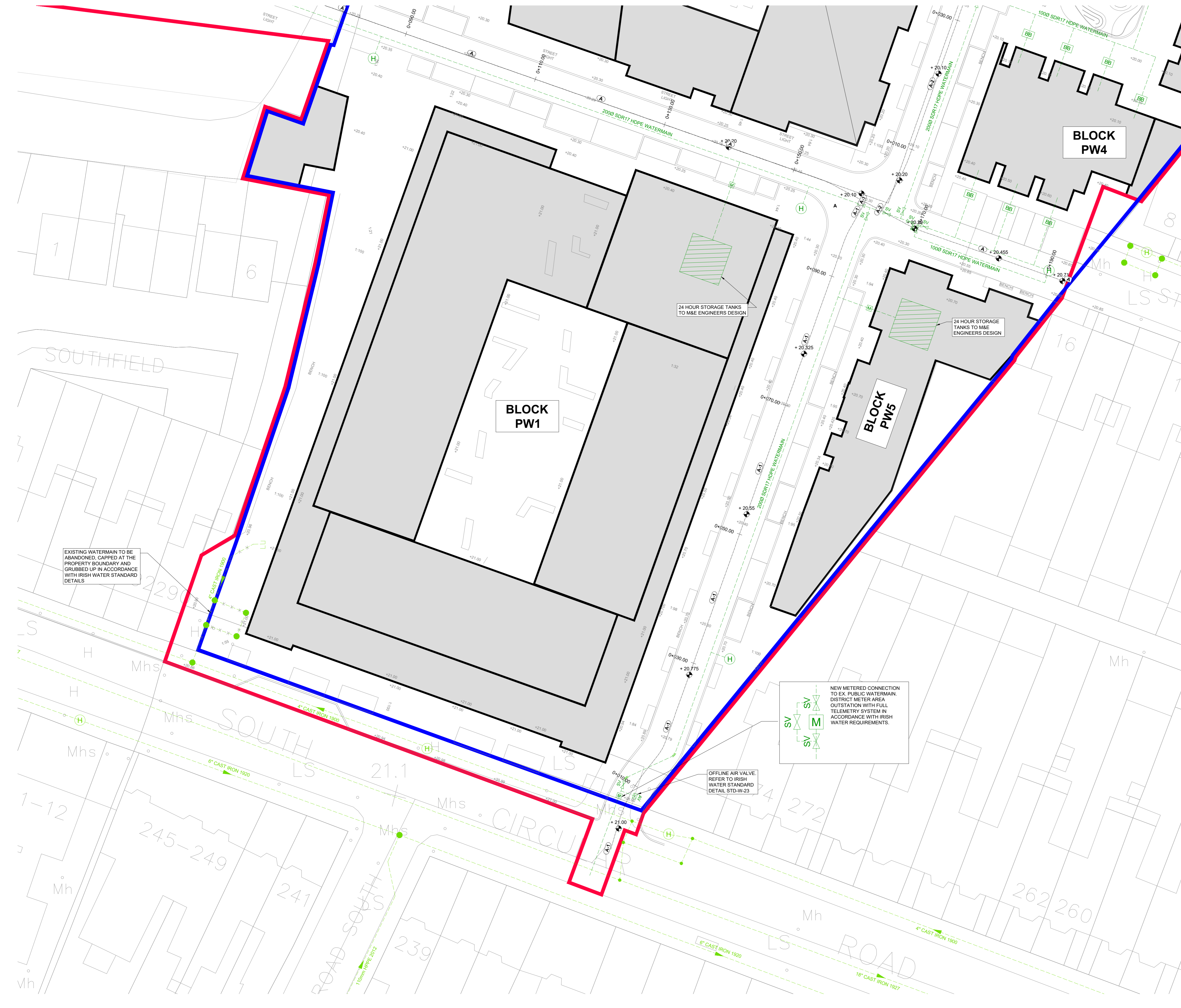
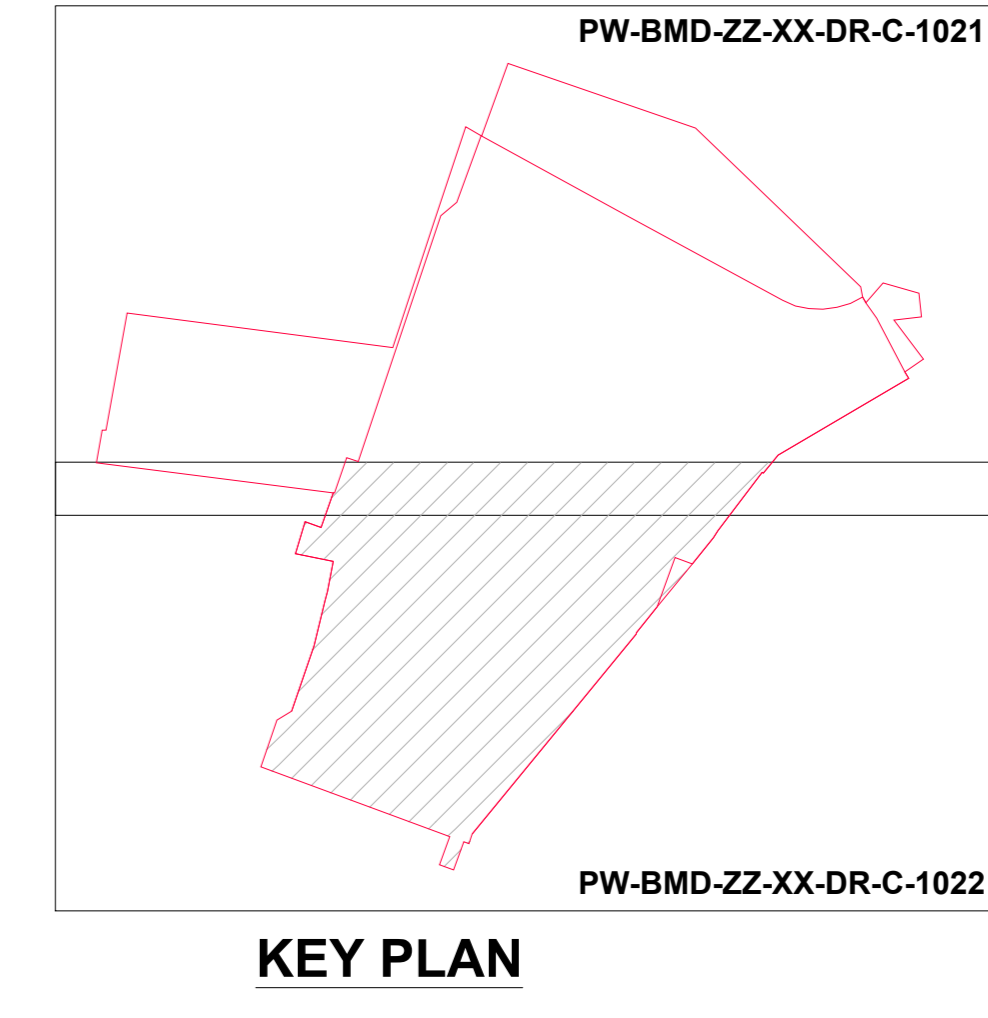
NOTES

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WATERMAIN DETAILS
 ALL WATER SUPPLY INFRASTRUCTURE IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION OF IRISH WATER - WATER INFRASTRUCTURE STANDARD DETAILS CONNECTIONS AND DEVELOPMENT SERVICES DOCUMENT IW-CDS-50200-01

CIVIL LEGEND

| | |
|---------------------------------------|-----|
| EX. WATERMAIN | --- |
| WATERMAIN | --- |
| DECOMMISSIONED LINE | --- |
| SLUICE VALVE | SV |
| SCOUR VALVE | SCV |
| STOP COCK | SC |
| AIR VALVE | AV |
| FIRE HYDRANT | H |
| MAGNETIC FLOW WATER METER | M |
| IRRIGATION VALVE | IV |
| BOUNDARY BOX TO IRISH WATER STANDARDS | BB |
| TRUST BLOCK | * |
| SITE BOUNDARY | --- |
| SITE OWNERSHIP BOUNDARY | --- |

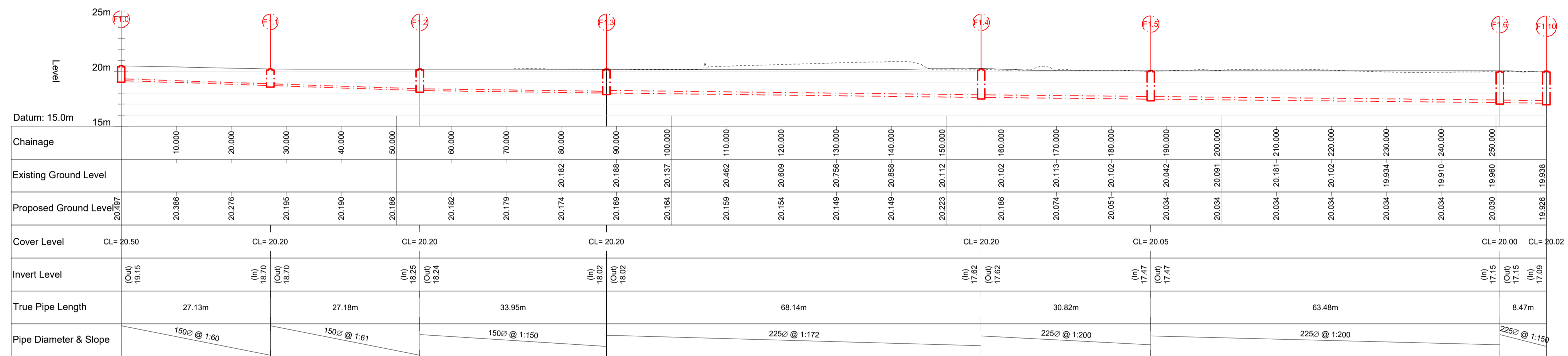


PROPOSED WATERMAIN LAYOUT - SHEET 2
 SCALE @ A0: 1:500
 SCALE @ A2: 1:500

| | | | | |
|---|------------|---------------------|------|------------|
| PL2 | 03.04.20 | ISSUED FOR PLANNING | AS | CS |
| PL1 | 31.03.20 | ISSUED FOR PLANNING | AS | CS |
| ISSUE | DATE | DESCRIPTION | DRG. | P.E. |
| DRAWING STAGE | | | | |
| PLANNING | | | | |
| | | | | |
| DUBLIN OFFICE: Sandwell House, 53-54 Lower Sandwell Street, Dublin 2, Ireland. Tel: 01 472 2000 Fax: 01 472 2104 LONDON OFFICE: 12 Mill Street, London SE1 2AY, United Kingdom. Tel: (02044) 20 3730 3330 CONSULTING ENGINEERS, Civil, Structural, Project Management e-mail: info@bmc.ie Web: www.bmc.ie | | | | |
| | | | | |
| CLIENT: CWTC MULTI FAMILY ICVA ACTING SOLELY IN RESPECT OF ITS SUB FUND DBTR SCR1 FUND | | | | |
| PROJECT TITLE | | BM PROJECT No. | | |
| PLAYER WILLS SOUTH CIRCULAR ROAD | | 19117 | | |
| MODEL REFERENCE | MODEL REV. | SUITABILITY | | |
| DRAWING TITLE | | | | |
| PROPOSED WATERMAIN LAYOUT SHEET 2 | | | | |
| DRAWING No. | | | | ISSUE |
| PW-BMD-ZZ-XX-C-1031 | | | | PL2 |

NOTES

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2. CONSULTANTS TO BE INFORMED IMMEDIATELY OF ANY DISCREPANCIES BEFORE WORK PROCEEDS.

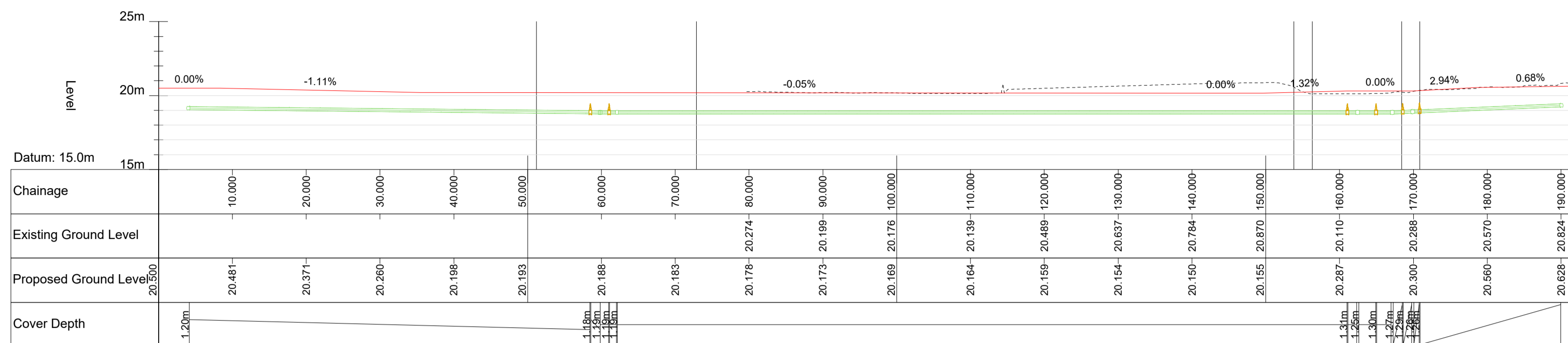


F1 SECTION
 SCALE @ A1: H= 1:500, V= 1:250
 SCALE @ A3: H= 1:1000, V= 1:500

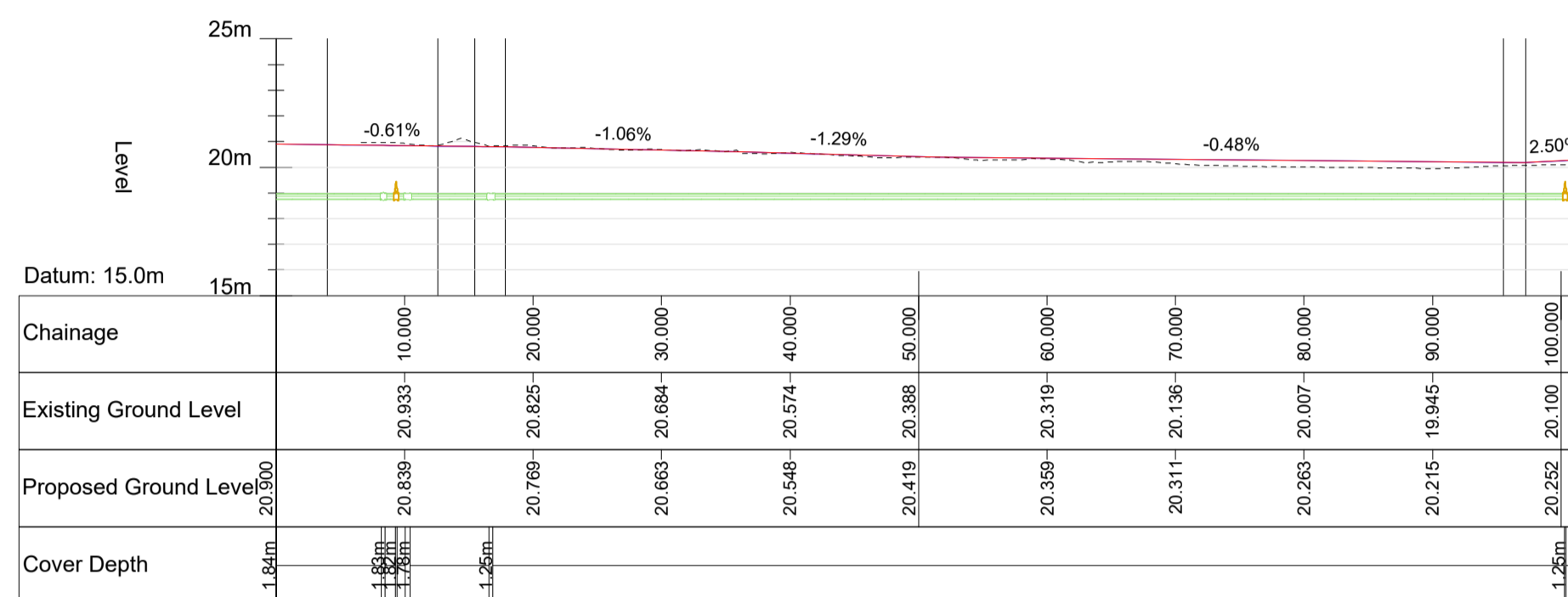
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|---|----------|---|----------------|-------------|
| PL1 | 03.04.20 | ISSUED FOR PLANNING | MJ | COR |
| ISSUE | DATE | DESCRIPTION | DRN | P.E. |
| | | | ORIG | P.D. |
| DRAWING STAGE | | | | |
| PLANNING | | | | |
| BM | | Dublin Office: Sandwith House, 52-54 Lower Sandwith Street, Dublin 2, Ireland. Tel: (01) 677 3200 Fax: (01) 677 3164 London Office: 12 Mill Street, London SE1 2AY, United Kingdom Tel: (0044) 084 5413 2722 Consulting Engineers, Civil, Structural, Project Management. E-mail: bmce@bmce.ie Web: www.bmce.ie | | |
| BARRETT MAHONY | | | | |
| CLIENT | | | | |
| CWTC MULTI FAMILY ICAV ACTING SOLELY IN RESPECT OF ITS SUB FUND DBTR SCR1 FUND | | | | |
| PROJECT TITLE | | | BM PROJECT No. | |
| PLAYER WILLS SOUTH CIRCULAR ROAD | | | 19117 | |
| MODEL REFERENCE | | | MODEL REV | SUITABILITY |
| 19117-BM-C3D-M-DRAINAGE | | | | |
| DRAWING TITLE | | | | |
| PROPOSED FOUL DRAINAGE LONG SECTION | | | | |
| DRAWING No. | | | ISSUE | |
| PW-BMD-ZZ-XX-DR-C-1120 | | | PL1 | |

NOTES

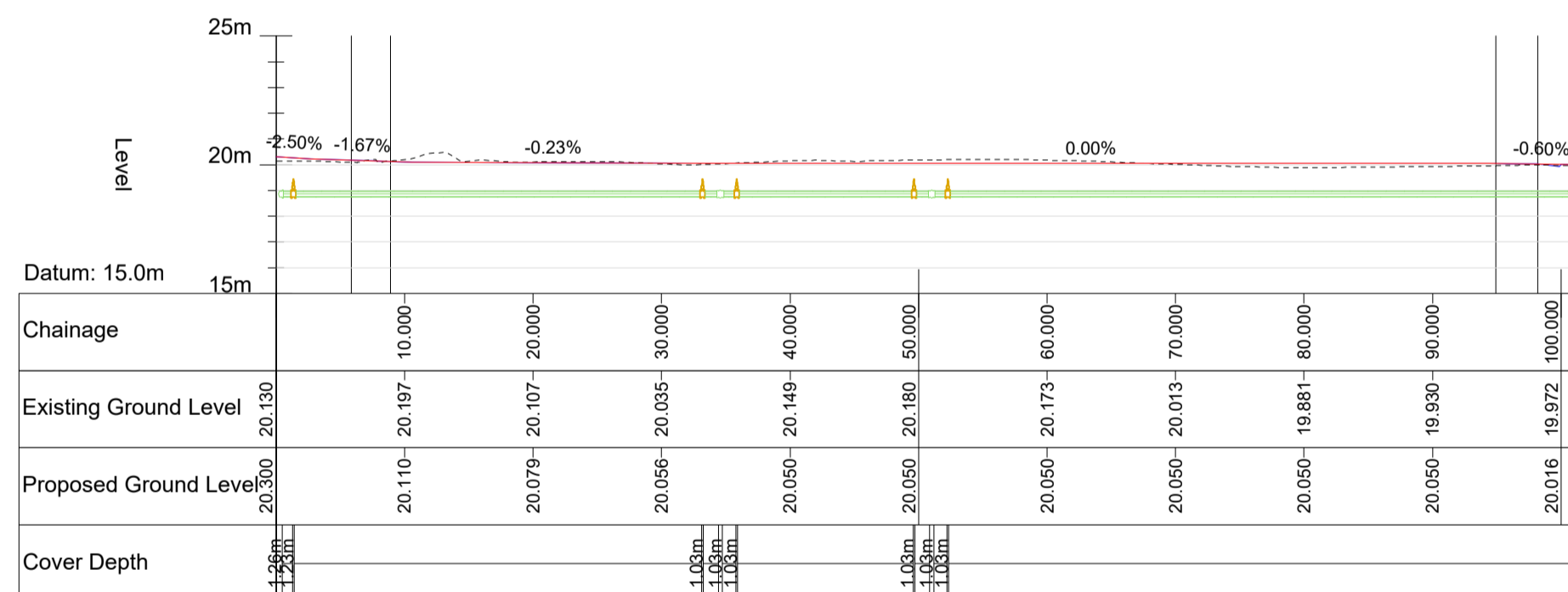
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS & ARCHITECTS' DRAWINGS FIGURED DIMENSIONS ONLY (NOT SCALING) TO BE USED. WHERE A CONFLICT OF INFORMATION EXISTS OR IF IN ANY DOUBT - 'ASK'.
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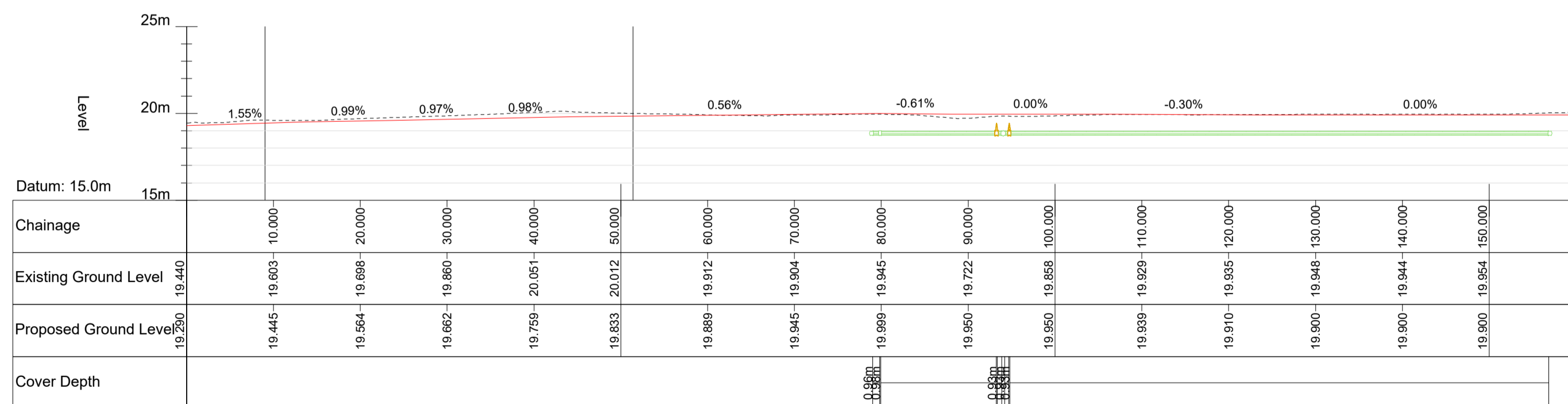
A SECTION
C-1021
SCALE @ A1: H= 1:500 ; V= 1:250
SCALE @ A3: H= 1:1000 ; V= 1:500




A-1 SECTION
C-1021
SCALE @ A1: H= 1:500 ; V= 1:250
SCALE @ A3: H= 1:1000 ; V= 1:500



A-2 SECTION
C-1021
SCALE @ A1: H= 1:500 ; V= 1:250
SCALE @ A3: H= 1:1000 ; V= 1:500



B SECTION
C-1021
SCALE @ A1: H= 1:500 ; V= 1:250
SCALE @ A3: H= 1:1000 ; V= 1:500

| | | | | |
|---|----------|---|----------------|-------------|
| PL1 | 03.04.20 | ISSUED FOR PLANNING | MJ | COR |
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| PROJECT TITLE | | | BM PROJECT No. | |
| PLAYER WILLS SOUTH CIRCULAR ROAD | | | 19117 | |
| MODEL REFERENCE | | | MODEL REV | SUITABILITY |
| 19117-BM-C3D-M-DRAINAGE | | | | |
| DRAWING TITLE | | | | |
| PROPOSED WATERMAIN LONG SECTIONS | | | | |
| DRAWING No. | | | | ISSUE |
| PW-BMD-ZZ-XX-DR-C-1130 | | | | PL1 |