



LEGEND

100SW

NEW 100Ø UPVC SW SEWER @ 1/100

225exSW

EXISTING 225Ø SW PRECAST CONCRETE SEWER @ 1/150

100exSW

EXISTING 100Ø UPVC SURFACE SEWER @1/100

MH

NEW PRECAST CONCRETE MANHOLE CHAMBER PER DETAIL

G

EXISTING ROAD GULLY, PER TII RCD 500/14 PROVIDE PEDESTRIAN FRIENDLY MESH GRATING COVERS

AJ

EXISTING WAVIN SHALLOW UPVC INSPECTION CHAMBERS

AJ NEW

NEW WAVIN SHALLOW UPVC INSPECTION CHAMBERS

NOTE:  
DRAINAGE PIPES COVER TO STD-WW-08  
TYP 1200MM MINIMUM COVER TO EXTERNAL CROWN OF THE PIPE  
REINFORCED CONCRETE SURROUND WHERE COVER BETWEEN 0.75M-1.2 M

FOR DESIGN PURPOSES PERMEABLE PAVING TO ALL PRIVATE CAR PARKING SPACES AND APPLY 100% RUNOFF FROM ALL PERMEABLE PAVED AREAS. PROVIDE A PIPED LINK THROUGH THE PERMEABLE PAVING SUB-BASE FROM THE ROOF WATER DISCHARGE TO THE MAIN DRAINAGE NETWORK. THIS PIPE SHALL BE PERFORATED TO ENCOURAGE INFILTRATION OF ROOF WATER THROUGH THE SUB-BASE OF THE PERMEABLE PAVING AREA

NOTE:  
PROPOSED GRAVITY DRAINAGE SYSTEM WILL BE CONSTRUCTED WITH UPVC OR CONCRETE PIPES TO IS 6 AND LAID IN ACCORDANCE WITH THE BUILDING REGULATIONS SECTION H AND IN ACCORDANCE WITH THE SELECTED PIPE MANUFACTURER'S RECOMMENDATIONS. ALL PROPOSED WORKS AFFECTING THE PUBLIC DRAINAGE SYSTEM WILL BE SUBJECT TO DETAILED AGREEMENT WITH THE WATER AND DRAINAGE DEPARTMENT OF MEATH COUNTY COUNCIL AND WITH IRISH WATER

ALL UPVC SEWER PIPES SHALL BE STRENGTH GRADE SN8 / SDR34

ALL PIPES UNDER ROADWAYS SHALL BE BENCHED IN CONCRETE & PROVIDED WITH MOVEMENT JOINTS IN ACCORDANCE WITH IW DETAILS

| IRISH WATER WASTEWATER DETAILS |                                                                                             |
|--------------------------------|---------------------------------------------------------------------------------------------|
| Drawing No.                    | Drawing Title                                                                               |
| STD-WW-01                      | Waste water service connection responsibility                                               |
| STD-WW-02                      | Typical layout for sewer within new developments                                            |
| STD-WW-03                      | Drain & service connection pipework                                                         |
| STD-WW-04                      | Typical sewer / service pipe connection                                                     |
| STD-WW-05                      | Typical service layout indicating separation distances                                      |
| STD-WW-06                      | Restrictions on wastewater infrastructure adjacent to trees                                 |
| STD-WW-06A                     | Restrictions on new trees/shrubs planting adjacent to sewers                                |
| STD-WW-07                      | Trench backfill & bedding                                                                   |
| STD-WW-08                      | Concrete bed, haunch & surround to wastewater pipes                                         |
| STD-WW-09                      | Blockwork manhole (<450mm dia.)                                                             |
| STD-WW-10                      | Pre-cast concrete manhole                                                                   |
| STD-WW-11                      | In-situ concrete manhole                                                                    |
| STD-WW-12                      | Backdrop manholes                                                                           |
| STD-WW-13                      | Private side inspection chamber                                                             |
| STD-WW-14                      | Thrust blocks for rising mains                                                              |
| STD-WW-15                      | Scour valve chamber (foul rising main <200mm dia.)                                          |
| STD-WW-16                      | Sluice valve details for rising mains ductile iron (D.I.) pipe (<200mm dia.) (sheet 1 of 2) |
| STD-WW-17                      | Sluice valve details for rising mains polyethylene (P.E.) pipe (<200mm dia.) (sheet 2 of 2) |
| STD-WW-18                      | Air valve chamber (foul rising main <200mm dia.)                                            |
| STD-WW-19                      | Duct chamber                                                                                |
| STD-WW-20                      | Emergency overflow structure                                                                |
| STD-WW-21                      | Typical ditch/stream crossing for gravity main (sheet 1 of 2)                               |
| STD-WW-22                      | Typical ditch/stream crossing for rising main (sheet 2 of 2)                                |
| STD-WW-23                      | Typical bridge crossing for rising main (sheet 1 of 2)                                      |
| STD-WW-24                      | Typical bridge crossing for rising main (sheet 2 of 2)                                      |
| STD-WW-25                      | Security gate & fencing                                                                     |
| STD-WW-26                      | Indicative pumping station layout                                                           |
| STD-WW-27                      | Flow meter chamber (foul rising main <200mm dia.)                                           |
| STD-WW-28                      | Indicative submersible pumping station                                                      |
| STD-WW-28A                     | Indicative pre-cast concrete submersible pumping station                                    |
| STD-WW-29                      | Rising main discharge manhole                                                               |
| STD-WW-30                      | Kiosk type 1 pumping station & wet kiosk (sheet 1 of 2)                                     |
| STD-WW-31                      | Kiosk type 2 + 3 pumping station & wet kiosk (sheet 2 of 2)                                 |
| STD-WW-32                      | Hardstanding area pumping station (permeable & impermeable)                                 |
| STD-WW-33                      | Lamp bollard & lamp standard                                                                |
| STD-WW-34                      | Vent stack                                                                                  |

PART 8 PLANNING ISSUE

NOT FOR CONSTRUCTION

NOTES

1. For selling out refer to Architect's drawings.

2. This drawing is to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.

3. DO NOT SCALE THIS DRAWING. Use figured dimensions only.

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PROGRESS

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PLANNING

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TENDER

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CONSTRUCTION

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| Date              |  |               |  |
| Architect         |  |               |  |
| Quantity Surveyor |  |               |  |
| Main Contractor   |  |               |  |
| M. & E. Engineers |  |               |  |
| Client            |  |               |  |
| Clerk of Works    |  |               |  |

| Rev | By  | Date       | Description    |
|-----|-----|------------|----------------|
| T1  | DOS | 20.01.2025 | PLANNING ISSUE |
| T2  | AA  | 27.05.2025 | PLANNING ISSUE |

Scales AS SHOWN

Date MAY 2025

Drawn AA

Checked

JOB TITLE

PROPOSED RESIDENTIAL DEVELOPMENT

TIG MO CROI

DUN LAOGHAIRE RATHDOWN

DRG. TITLE

PROPOSED SW DRAINAGE LAYOUT INCLUDING ATTENUATION

gk

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REV.

T1