



- GENERAL**
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- Specification**
- The Specification for the construction of roads and streets shall be the 'recommendations for Site development Works in Housing Areas' published by the Department of the Environment, Climate and Communications.

| | |
|----------------------|--|
| Existing Carriageway | |
| Kerb - 100mm high | |
| Kerb - 6mm high | |
| Footway | |
| Landscaping | |
| Proposed Building | |
| Existing Building | |

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PROJECT
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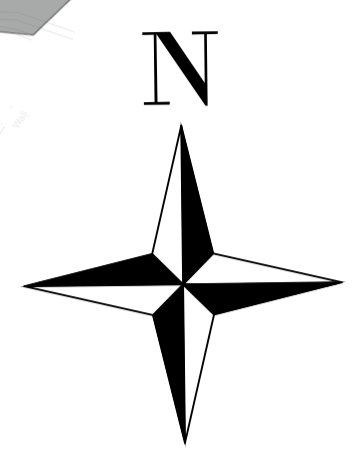
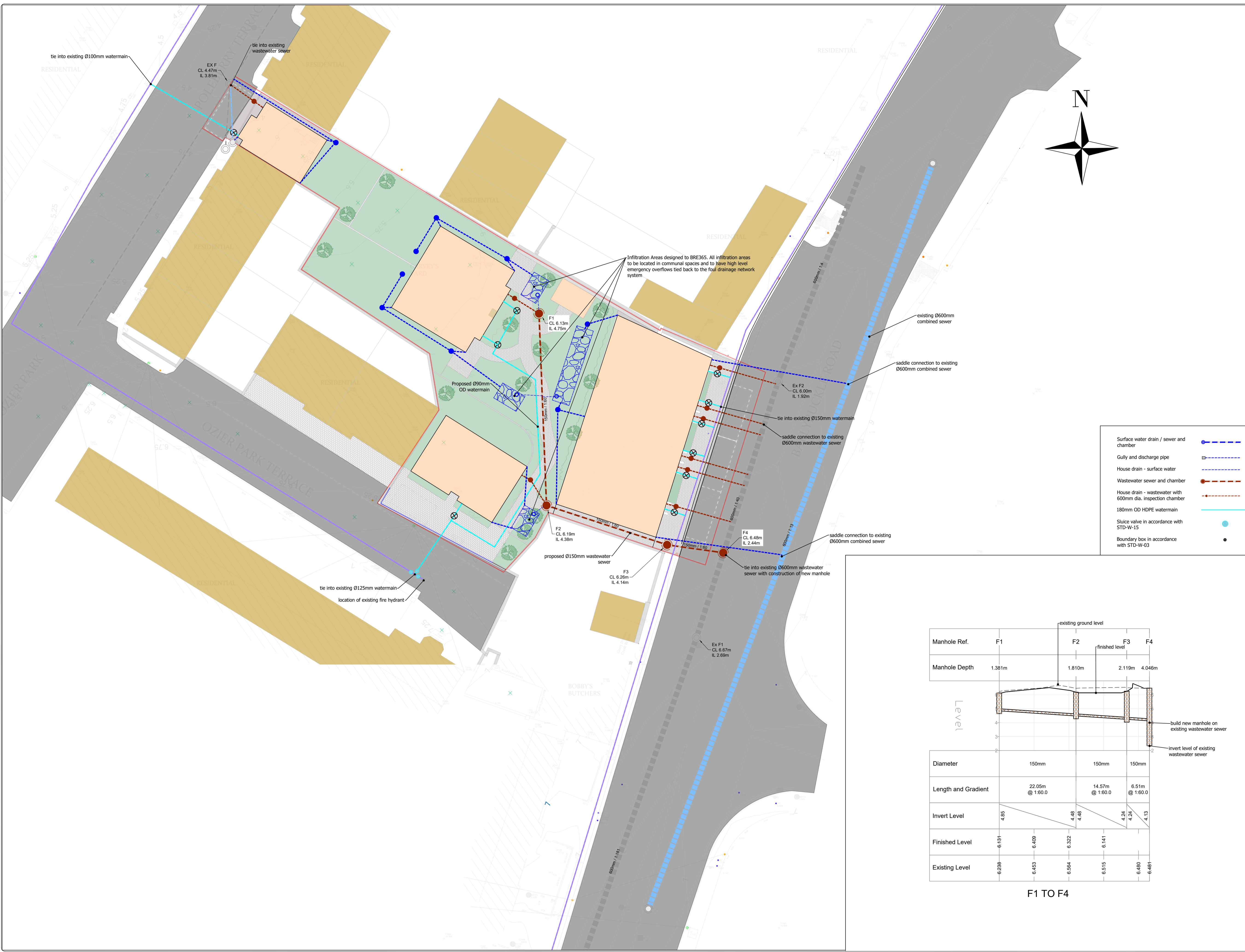
TITLE
 ROADS AND STREETS - GENERAL LAYOUT

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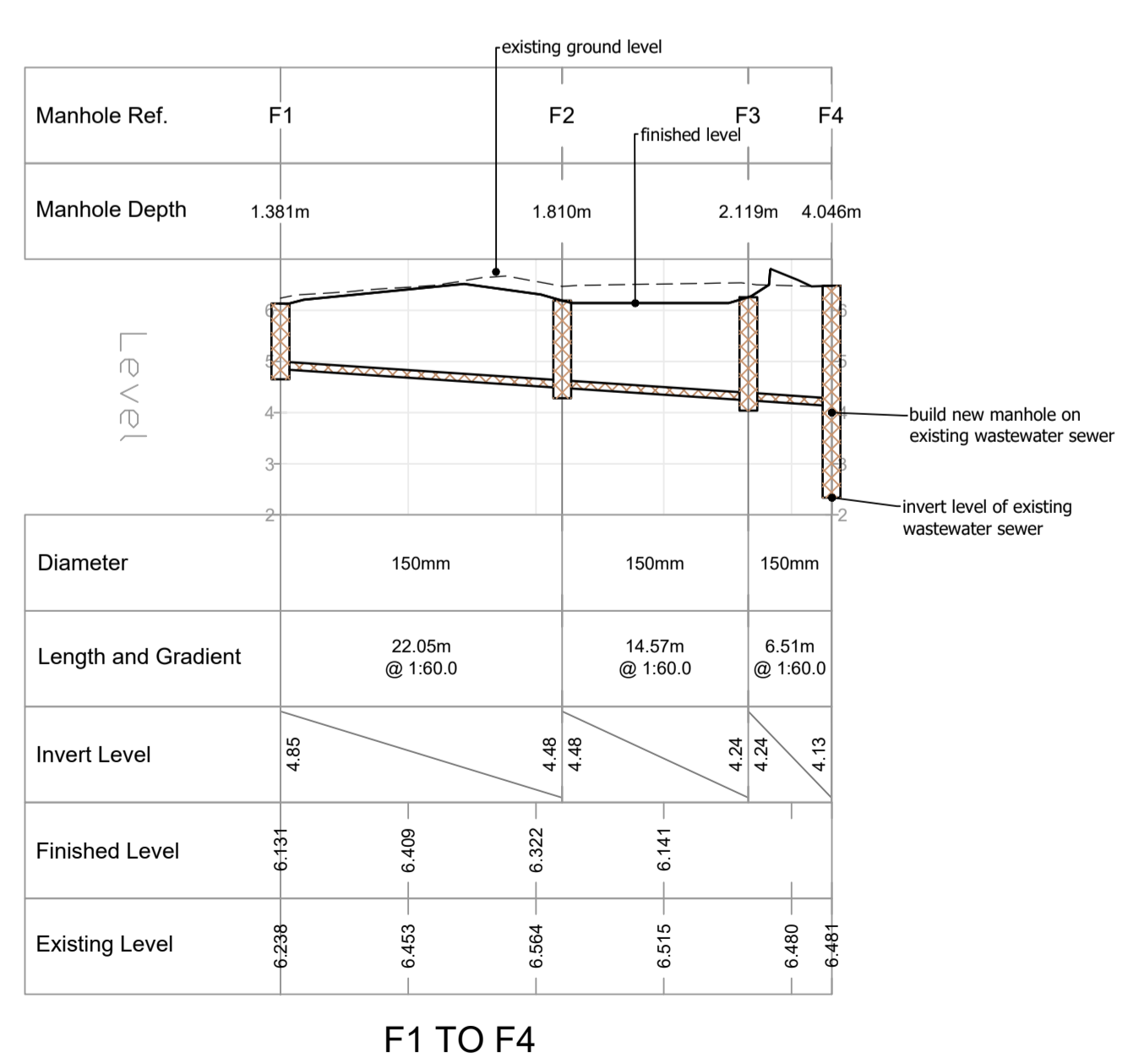
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| CHWD: PB | SCALE: 1:200 @ A1 | DATE: 23/06/23 |



| | |
|---|--|
| Surface water drain / sewer and chamber | |
| Gully and discharge pipe | |
| House drain - surface water | |
| Wastewater sewer and chamber | |
| House drain - wastewater with 600mm dia. inspection chamber | |
| 180mm OD HDPE watermain | |
| Slice valve in accordance with STD-W-15 | |
| Boundary box in accordance with STD-W-03 | |

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- SURFACE WATER**
- The Specification for surface water drainage works shall be Specification for Roadworks published by Transport Infrastructure Ireland.
 - All surface water drains and sewers to be constructed in accordance with Detail D1.
 - Discharge pipes from gullies to drains and sewers shall be 150mm dia. Saddle connection for discharge pipes in accordance with Detail D3.
 - Chambers to be 1200mm dia. PCC in accordance with the 'Code of Practice for Chamber and Gully Top Installations' published by Laois County Council.
 - Road gullies shall be in accordance with TII Detail CC-SCD-00510 and CC-SCD-00512.
 - Each house to be served by a separate drain of min diameter 100mm dia. and laid to a minimum grade of 1 in 100.
 - Infiltration Trenches to be constructed in accordance with Detail D4.
- WASTEWATER**
- Construction of wastewater infrastructure to comply with the Irish Water Code of Practice for Wastewater Infrastructure.
 - Pipes for wastewater gravity sewers shall be uPVC pipes application area code "UD", stiffness class 8kN/m² in accordance with 3.13 of the Irish Water 'Wastewater Code of Practice'.
 - Wastewater drains and sewers to be constructed in accordance with Irish Water detail STD-WW-07.
 - The minimum separation between wastewater pipes and other services shall not be less than either that shown in STD-WW-05 or that shown on M&E drawings.
 - Each house to be served by a separate drain of min diameter 100mm dia. and laid to a minimum grade of 1 in 60.
 - Chambers on wastewater drains and sewers in public areas shall be in accordance with STD-WW-10.
 - Private-side inspection chambers shall be in accordance with STD-WW-02, STD-WW-03 and STD-WW-13 and shall have a minimum depth to invert of 0.5m and a maximum depth to invert of 1.2m.
 - Maximum depth to invert for Access Junctions to be 0.6m.
- WATER SUPPLY INFRASTRUCTURE**
- Construction of water supply infrastructure to comply with the Irish Water Code of Practice for Water Supply Infrastructure.
 - Pipes for watermains shall be HDPE PE-80 with an SDR-11 or SDR-17 rating in accordance with 3.9.2. of Irish water 'Code of Practice for Water Supply Infrastructure'.
 - The minimum separation between watermains and other services shall not be less than either that shown in STD-W-11 or that shown on M&E drawings.
 - Each house to be served by a separate service main and Boundary Box in accordance with STD-W-03.



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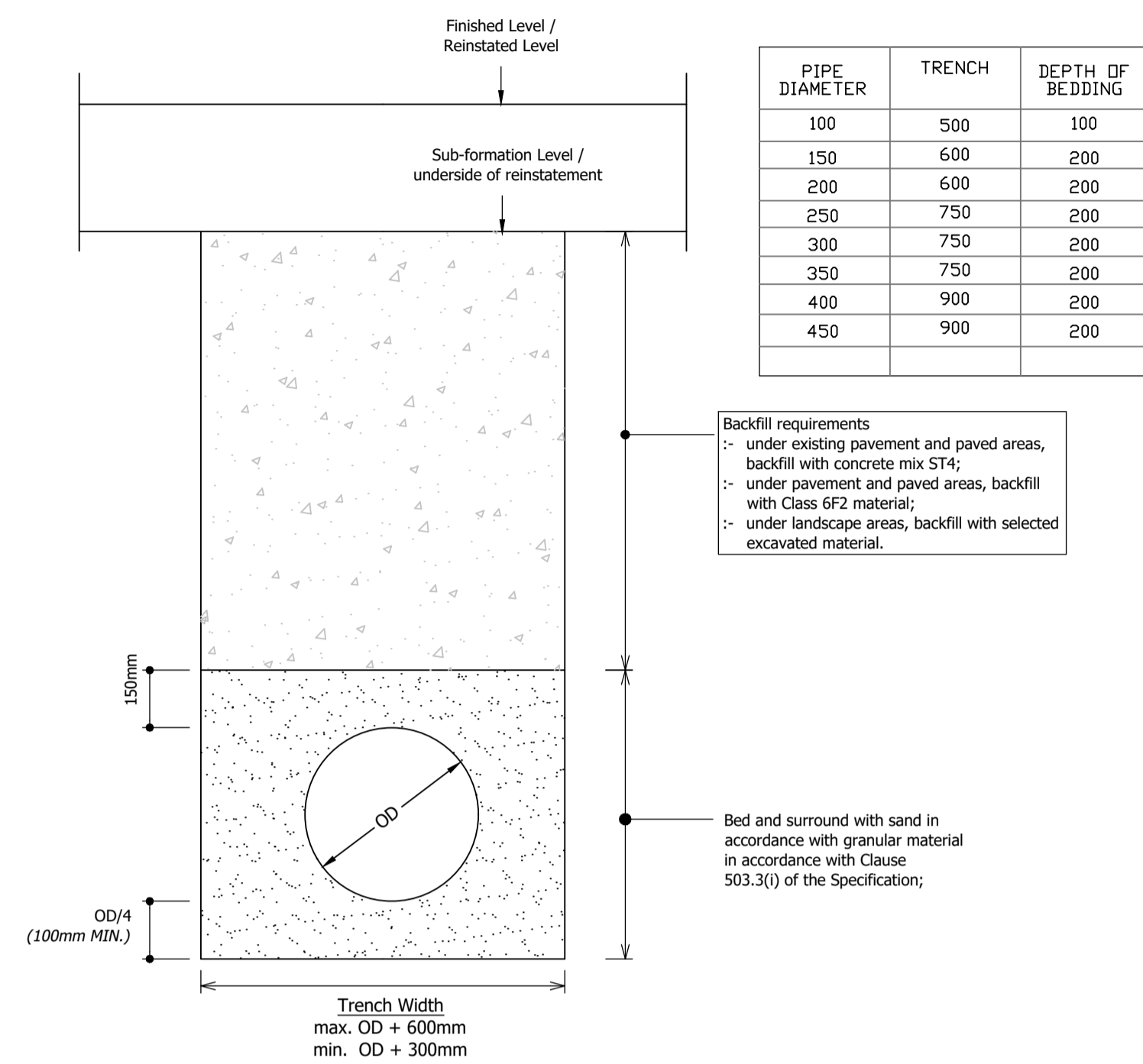
TITLE
DRAINAGE & WATER SUPPLY - GENERAL LAYOUT & LONGITUDINAL SECTIONS

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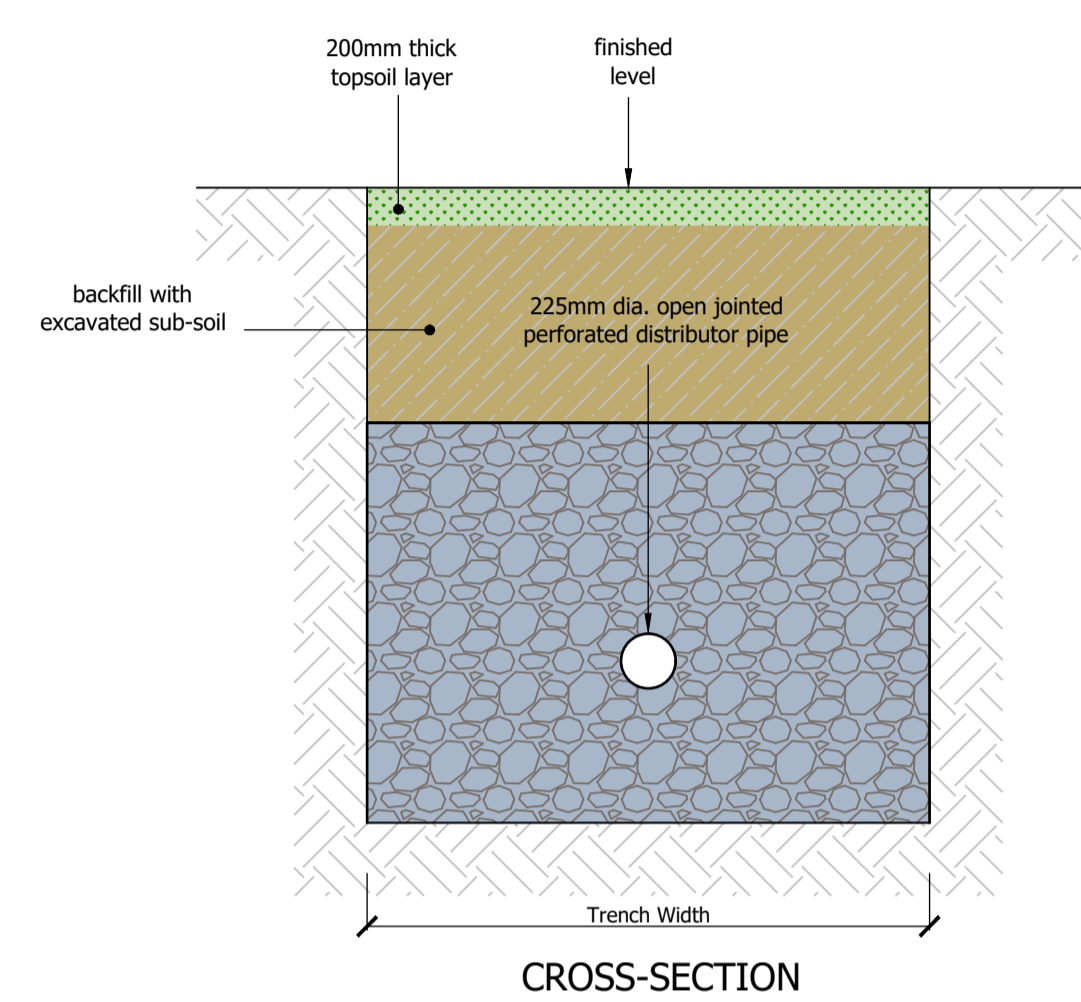
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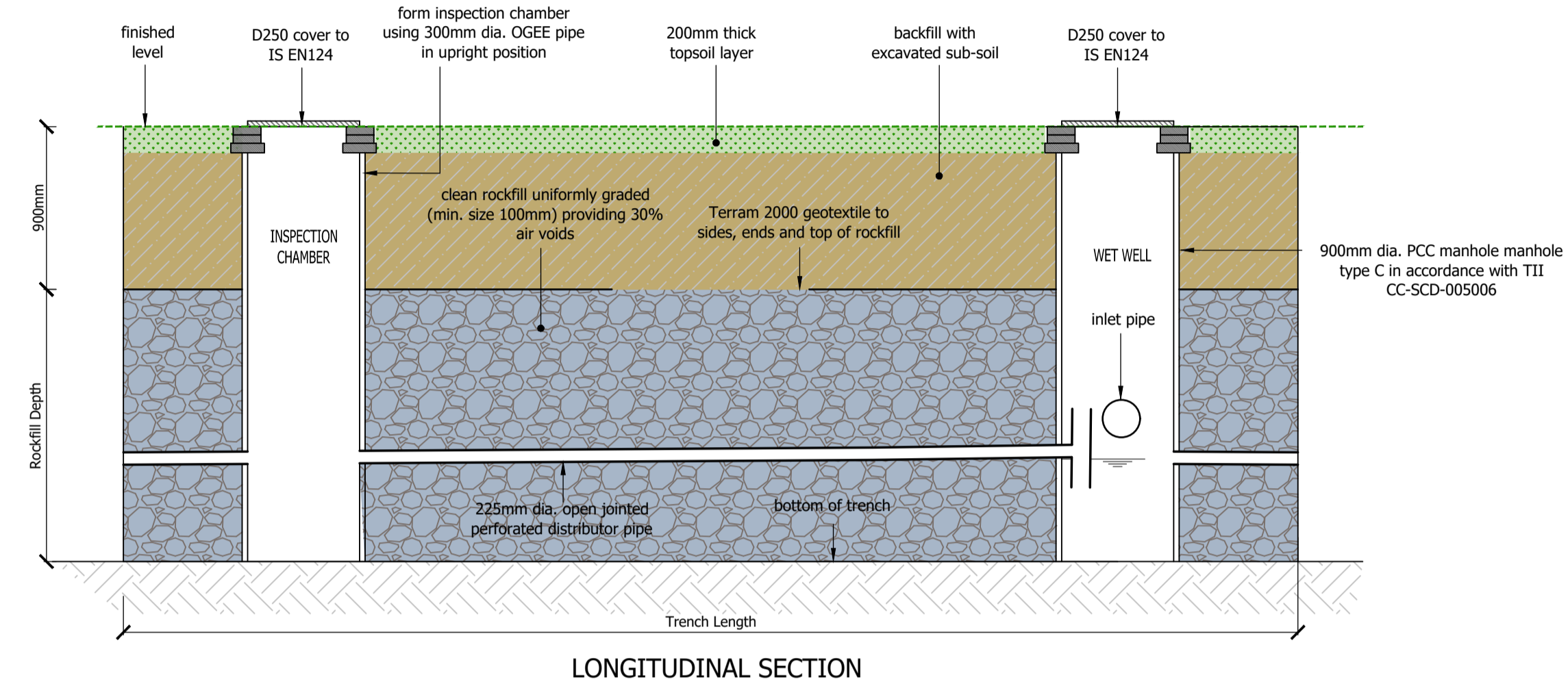
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DETAIL D1
Trench Detail for Surface Water Drains and Sewers

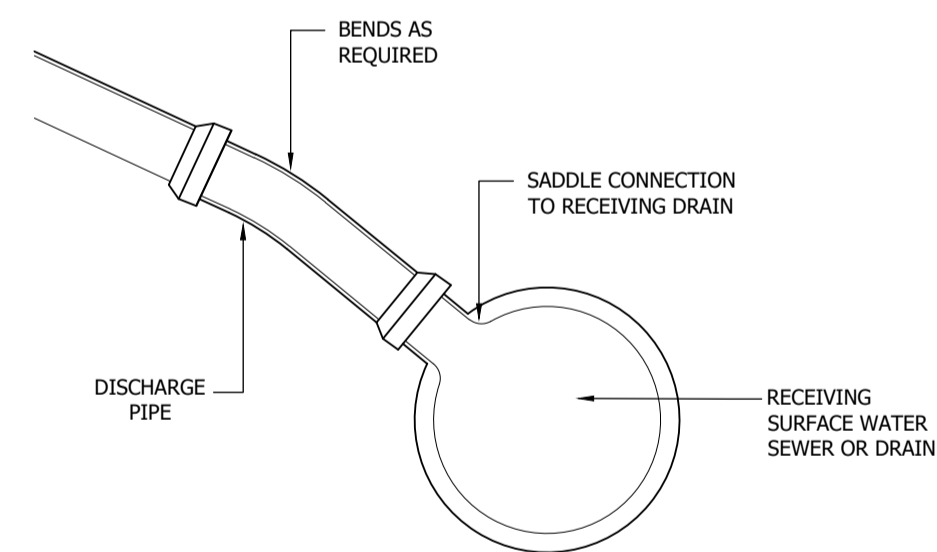


CROSS-SECTION



LONGITUDINAL SECTION

DETAIL D4
Typical Infiltration Trench Detail



DETAIL D3
Saddle Connection from Gully Discharge
Pipe to Surface Water Sewer

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RESIDENTIAL DEVELOPMENT AT BALLYTRUCKLE, CO. WATERFORD

TITLE
ENGINEERING STANDARD DETAILS SHEET

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