

PROPOSED FOUL SEWER CONNECTION INTO EXISTING FOUL SEWER NETWORK AT THIS LOCATION

All Proposed Works in Relation To The Foul Sewer Network Of The Proposed Development To Be Carried Out In Accordance With The Relevant Details As Set Out In "Irish Water Connection and Developer Services - Wastewater Infrastructure Standard Details - Document Number: IW-CDS-5030-01 Together With Code Of Practice for Wastewater Infrastructure IW-CDS-5030-03"

FOUL SEWER NOTES IN ACCORDANCE WITH IRISH WATER WASTEWATER DESIGN CHECKLIST:

(i) The external face of any new sewer should be at least 50m or a distance equivalent to the depth of the sewer below the foundation, whichever is greater, from the external face of any building or development structure. This is to allow future access and maintenance of the pipeline.

(ii) Sewers and service connections should not be constructed under any building or structure.

(iii) Sewers, where practicable, should be located in areas maintained by the local authority, i.e. road verges, roads and public open space or a space where they are reasonably accessible and visible. Sewers should not be laid in straight lines in built up areas. A practical alternative route.

(iv) Sewers should be laid in straight lines in built up areas, except outside the road verge.

(v) When Wastewater and Storm Water manholes are adjacent, their positions should be staggered so as to allow for crossing over of Sewers. Staggered positioning of Wastewater and Storm Water manholes is required with a full separation between the Wastewater and Storm Water systems.

(vi) When in a road or highway, the outside of the sewer should be in the vehicle carriageway (not footway) and be at least 1m from the kerbline.

(vii) A Storm Water sewer or a Wastewater Sewer should generally not be installed to cross over a Watermain.

(viii) Any Sewer crossing of a Watermain shall do so at right angles. Crossings should be located midway between the Watermain joints with a minimum vertical clear distance of at least 300mm and up to 500mm in some instances between the Sewer pipe and the Watermain.

(ix) There should be a minimum clear horizontal distance of at least 300mm between the Gravity Sewer/Rising Main and other utilities (running parallel) to it as well as to cables, poles, junction boxes, manholes or chambers.

(x) Rising Mains shall be laid in straight lines or in gentle curves utilising allowable joint deflection to manufacturers requirements.

(xi) The route of Rising Mains should be marked at every 10m boundary and, where practicable, at every change of direction by marker posts. The words "Rising Sewer" and the depth to the top of the Rising Main should be provided.

(xii) The most appropriate Access Chamber types to be used should be specified.

(xiii) All manholes served to have their junctions at a location and depth suitable to correctly serve the development and inspection chambers installed where required.

PROPOSED MANHOLES TO BE IN-SITU CONCRETE MANHOLES AS PER THE ATTACHED DETAIL STD-WW-11 TAKEN FROM IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS IW-CDS-5030-01

Inspection Chamber To Be Installed On Foul Sewer Connection Pipe From Each Dwelling House & Be Located Within 1m From The Front Boundary As Per Drawing Numbers: STD-WW-01, STD-WW-02 & STD-WW-03 Of Irish Water Connection and Developer Services Wastewater Infrastructure Standard Details. Document Number: IW-CDS-5030-01

ANY DAMAGE SHALL BE NOTIFIED IMMEDIATELY TO IRISH WATER. THE PERSON WHO CAUSES THE DAMAGE TO A SEWER MAIN OR FITTING WILL BE DEEMED TO HAVE COMMITTED AN OFFENCE UNDER SECTION 45 OF THE WATER SERVICES ACT 2007

THE VERTICAL ANGLE BETWEEN THE SERVICE CONNECTING PIPE AND THE HORIZONTAL SHALL BE GREATER THAN 0° AND NOT MORE THAN 60°.

WHERE THE CONNECTION IS BEING MADE TO A SEWER WITH A NOMINAL INTERNAL DIAMETER OF 300mm DIAMETER OR LESS, CONNECTIONS SHALL BE MADE USING 45° ANGLE JUNCTIONS

PROPOSED 600x600mm INSPECTION CHAMBERS TO BE INSTALLED AS PER THE ATTACHED DETAIL STD-WW-13 TAKEN FROM IRISH WATER WASTEWATER INFRASTRUCTURE STANDARD DETAILS IW-CDS-5030-01

THE MINIMUM DEPTH OF COVERS FROM THE FINISHED SURFACE TO THE CROWN OF GRADITY PIPES WITHOUT PROTECTION SHOULD BE AS FOLLOWS:

(a) GARDENS & PATHWAYS WITHOUT ANY FOLLOWS.

(b) POSSIBILITY OF VEHICULAR ACCESS - DEPTH NOT LESS THAN 0.3m. THIS WOULD NORMALLY RELATE TO DRAINS IN PRIVATE PROPERTIES. SHALLOW PIPES OF THIS NATURE ARE UNSERVICEABLE AND SHOULD BE BUILT TO THE SURFACE WITH THE CURRENT BUILDING REGULATIONS.

(c) DRIVEWAYS, PARKING AREAS AND YARDS WITH HEIGHT RESTRICTIONS TO PREVENT ENTRY BY VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5 TONNES - DEPTH NOT LESS THAN 0.75m.

(d) DRIVEWAYS, PARKING AREAS AND YARDS WITH HEIGHT RESTRICTIONS TO PREVENT ENTRY BY VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5 TONNES - DEPTH NOT LESS THAN 0.75m.

(e) DEVELOPMENTS WITH LIMITED ACCESS FOR VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5 TONNES - DEPTH NOT LESS THAN 0.75m.

(f) DEPTHS OF SEWERS IN GATED ESTATES SHALL BE SIMILAR TO THAT OUTLINED ABOVE.

(g) DEPTHS OF SEWERS IN GATED ESTATES SHALL BE SIMILAR TO THAT OUTLINED ABOVE.

(h) OTHER HIGHWAYS AND PARKING AREAS WITH UNRESTRICTED ACCESS TO VEHICLES WITH A GROSS VEHICLE WEIGHT IN EXCESS OF 7.5 TONNES - DEPTH NOT LESS THAN 1.2m.

(i) GLAZED 800 MATERIAL IN ACCORDANCE WITH THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR MATERIAL SHALL BE USED FOR FOOTPATHS IN ROADS FOOTPATHS OR WHEN THE NEAREST PART OF THE ROADWAY CLAUSE 882 IS TO BE COMPACTED AS PER CLAUSE 882 OF THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS.

(j) PRE-BEDDING SHALL COMPLY WITH WS 448-02 AND TO BE GRADUALLY AGGREGATE OR "TIMM SINGLE" SIZED AGGREGATE EN 12424 CONCRETE BED HAUNCH & SURROUND, WHERE REQUIRED, SHALL BE TO STD-WW-04.

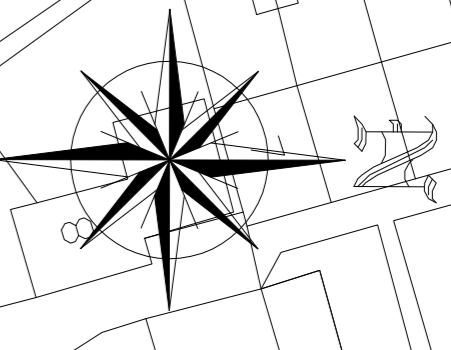
(k) NON-DEGRADABLE MARKER TAPE SHOULD BE INSTALLED AT TOP OF PIPE BEDDING LAYER, IN THE CASE OF NON-DEGRADABLE MARKER TAPE, THE MARKER TAPE SHALL BE INSTALLED AT THE NEAREST PART OF THE ROADWAY CLAUSE 882 IS TO BE COMPACTED AS PER CLAUSE 882 OF THE NATIONAL ROADS AUTHORITY SPECIFICATION FOR ROAD WORKS.

(l) WASTE WATER PUMPING STATION AND DISCHARGE MANHOLE.

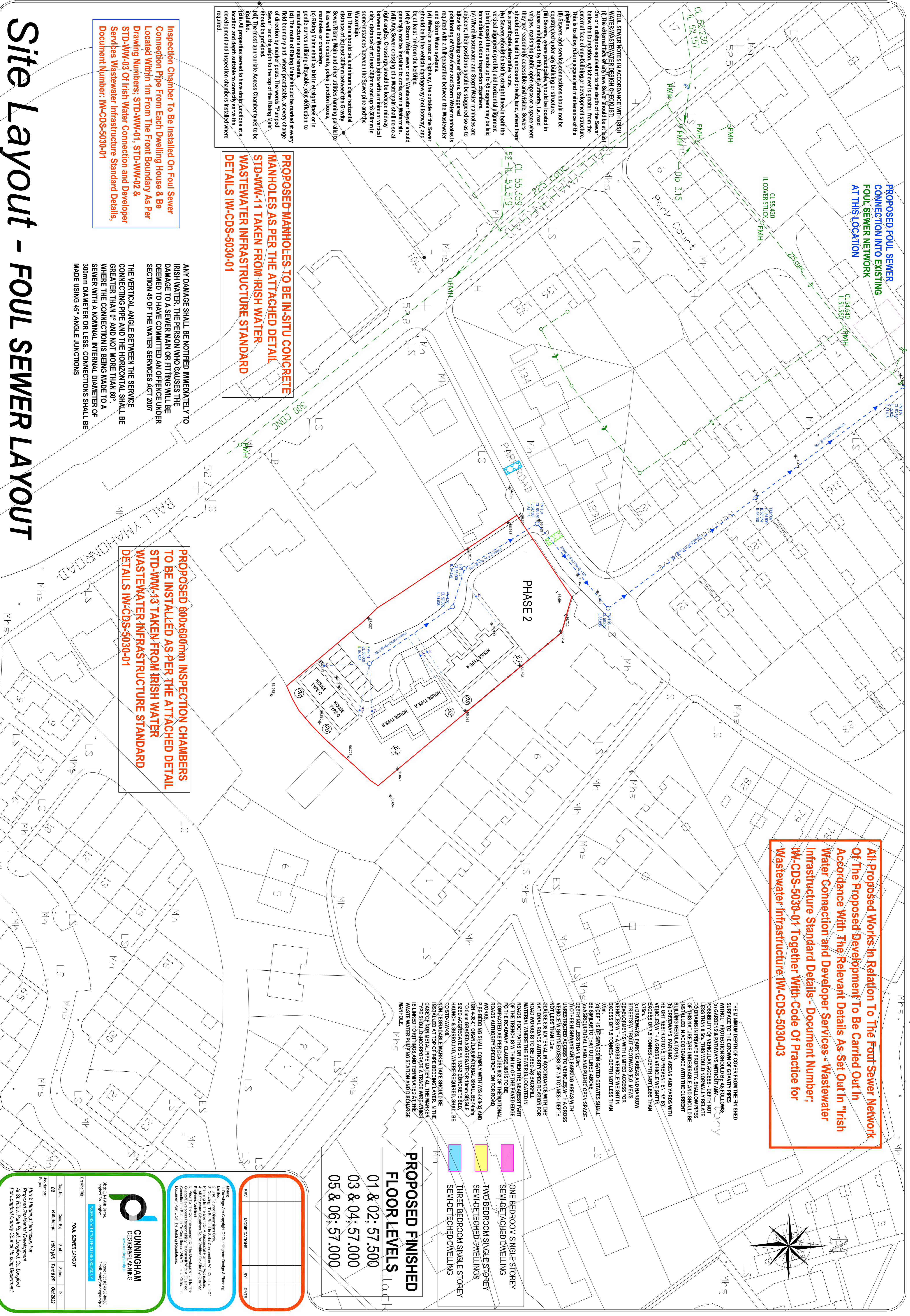
PROPOSED FINISHED FLOOR LEVELS

01 & 02: 57.500
03 & 04: 57.000
05 & 06: 57.000

ONE BEDROOM SINGLE STOREY SEMI-DETACHED DWELLING
TWO BEDROOM SINGLE STOREY SEMI-DETACHED DWELLINGS
THREE BEDROOM SINGLE STOREY SEMI-DETACHED DWELLING



Site Layout - FOUL SEWER LAYOUT



CUNNINGHAM DESIGN PLANNING

1. Drawing and Copyright © Cunningham Design & Planning
2. Use of any other drawings, text, or information without the written consent of Cunningham Design & Planning is prohibited.
3. This drawing is the property of Cunningham Design & Planning and shall remain their property. It is to be used only for the purpose for which it was prepared and shall not be used for any other purpose without the written consent of Cunningham Design & Planning.
4. All Structural Steelwork To Be Verified On-Site By Qualified Engineer.
5. Refer To The Construction Of The Development, It Is The Client's Responsibility To Obtain All Necessary Planning Permissions, Licences, and Consents From The Relevant Authorities.
6. The Client Shall Be Responsible For Obtaining All Necessary Planning Permissions, Licences, and Consents From The Relevant Authorities.
7. The Client Shall Be Responsible For Obtaining All Necessary Planning Permissions, Licences, and Consents From The Relevant Authorities.

FOUL SEWER LAYOUT

Drawn By: [Name] Date: [Date]
Checked By: [Name] Date: [Date]
Approved By: [Name] Date: [Date]

Part 8 Planning Permission For Proposed Residential Development At St. Riias, Park Road, Longford, Co. Longford For Longford County Council Housing Department