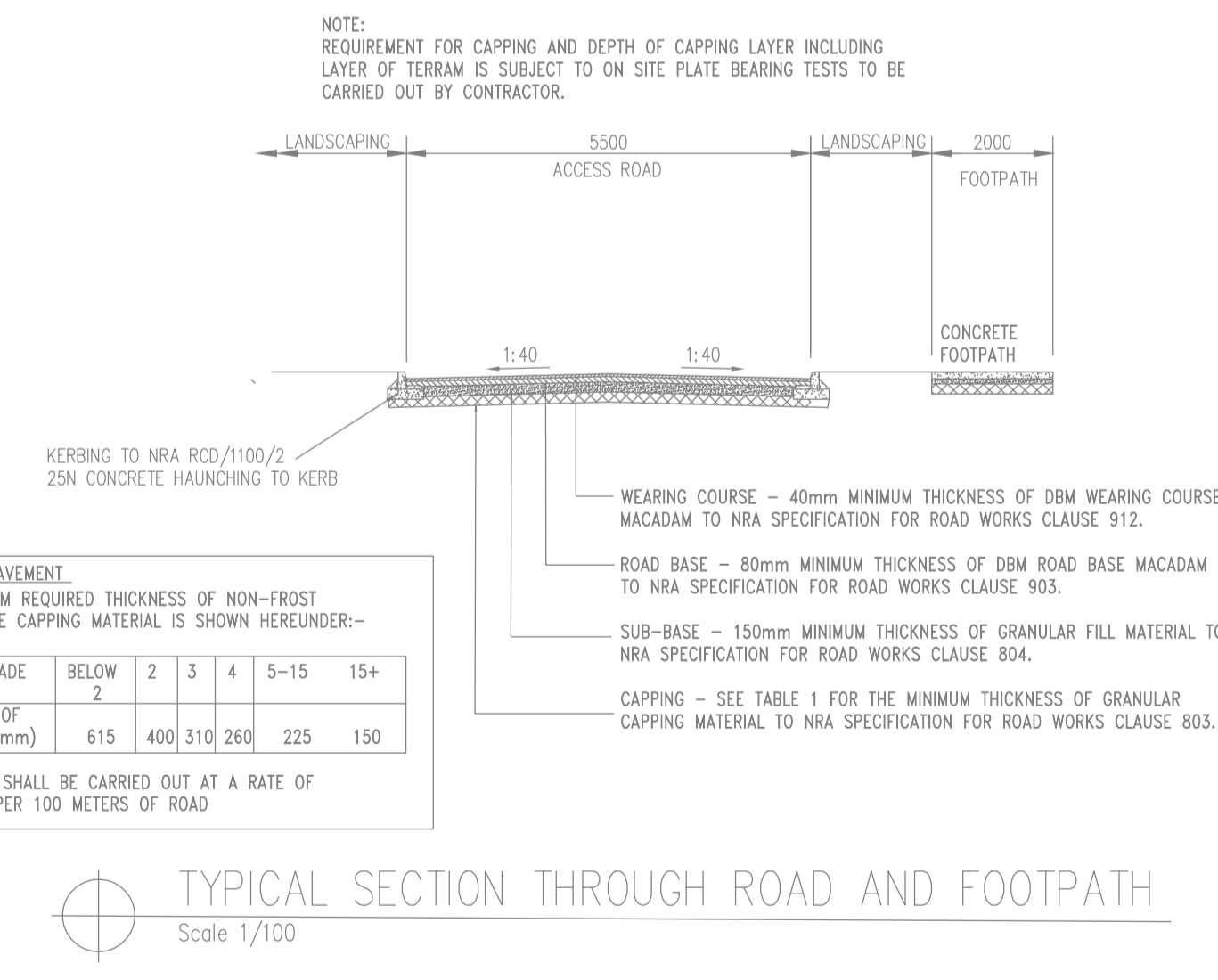


LEGEND

- EXISTING PUBLIC WATERMANS
- EXISTING PRIVATE WATERMANS
- PROPOSED WATERMANS
- SLUICE VALVE TO IRISH WATER STANDARD DETAIL STD-W-15
- AIR VALVE TO IRISH WATER STANDARD DETAIL STD-W-22
- HYDRANT TO IRISH WATER STANDARD DETAIL STD-W-19
- SCOUR VALVE TO IRISH WATER STANDARD DETAIL STD-W-30
- BULK METER TO IRISH WATER STANDARD DETAIL STD-W-26
- THRUST BLOCK
- BOUNDARY BOX
- EXISTING PUBLIC FOUL SEWER
- EXISTING PRIVATE FOUL SEWER
- PROPOSED FOUL SEWER
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- PROPOSED ATTENUATION
- MANHOLE REF, COVER LEVEL AND INVERT LEVEL
- SITE BOUNDARY

- ### WATERMAIN NOTES
- All pipe work, valves, chambers, network arrangements and all associated watermain works to be in accordance with Irish Water Codes of Practice and Standard Details.
 - All new watermain material shall be in accordance with Section 3.9 of the Irish Water Code of Practice.
 - All manholes in grassed areas to have 200mm wide x 100mm deep concrete plinth/kerb cast to their perimeter to ensure they are not overgrown. Concrete to be grade C20/25.
 - Meters for apartments and similar properties shall be installed internally within the premises in accordance with the Building Control Authority's requirements and subject to review by Irish Water as per section 3.15.2 of the Code of Practice.
 - Proposed watermains to be located a minimum of 300mm from the wastewater infrastructure in accordance with section 3.5.18 of the 3.15.18 of the Irish Water Wastewater Code of Practice.
 - The location of the bulk meter, valves and hydrants shall be designed in accordance with section 3.15.4 of the Irish Water Code of practice.
 - Note the Fire Safety Certificate has not been completed yet, but as part of this development, it is confirmed that hydrants shall not be located any more than 46m from any part of the development.
 - All watermain works to be taken in charge to be air pressure tested in accordance with Irish Water Code of Practice Section 4.10.

- ### FOUL SEWER NOTES
- All works will be carried out in accordance with the requirements of Irish Water Codes of Practice for Wastewater.
 - Finished Floor Levels to be finalised with Architect.
 - All manholes in grassed areas to have 200mm wide x 100mm deep concrete plinth / kerb cast to their perimeter to ensure they are not overgrown. Concrete to be grade C20/C25.
 - External face of all proposed manhole chambers to be minimum 0.5 metre from the kerb line and the external face of the sewers to be minimum 1.0 metre from the kerb line.
 - New manholes constructed over existing Irish Water public sewer to be constructed to Irish Water Standards STD-WW-09, STD-WW-10, AND STD-WW-11
 - Concrete surround in accordance with Irish Water standard detail STD-WW-07 and STD-WW-08 to be provided to all sewers where minimum cover (900mm) is not achieved - note the absolute minimum depth of cover above the external crown of the pipe shall be 750mm.
 - All foul sewer pipe materials shall be in compliance with section 3.13 of the Irish Water Code of Practice for Wastewater.



FLEXIBLE PAVEMENT:
THE MINIMUM REQUIRED THICKNESS OF NON-FROST SUSCEPTIBLE CAPPING MATERIAL IS SHOWN HEREUNDER:-

| CBR SUBGRADE % | BELOW 2 | 2 | 3 | 4 | 5-15 | 15+ |
|---------------------------|---------|-----|-----|-----|------|-----|
| THICKNESS OF CAPPING (mm) | 615 | 400 | 310 | 260 | 225 | 150 |

CBR TESTS SHALL BE CARRIED OUT AT A RATE OF ONE TEST PER 100 METERS OF ROAD

NOTES

- For setting out refer to Architect's drawings.
- This drawing to be read in conjunction with all other Architectural and Engineering drawings and all other relevant drawings and Specifications.
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| Rev. No. | Date | REVISION NOTE | Drn. By | Chkd. By |
|----------|------|---------------|---------|----------|
| | | | | |

Client: Limerick City & County Council
Project: Church Glen Housing Ballylanders, Co.Limerick.
Title: Site Layout Stormwater, Foul and Water Layout Road Layout and Cross Section

Drn. by: NQ
Chkd. by: DF
Date: July 2021

Apprd. by: GC
Scale: 1:250, 1:50
Deg. No.: L098L-001
Revision: P3

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Quality Environment Energy Health & Safety
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I.S. EN ISO 14001:2004
I.S. EN ISO 50001:2011
OHSAS 18001:2007