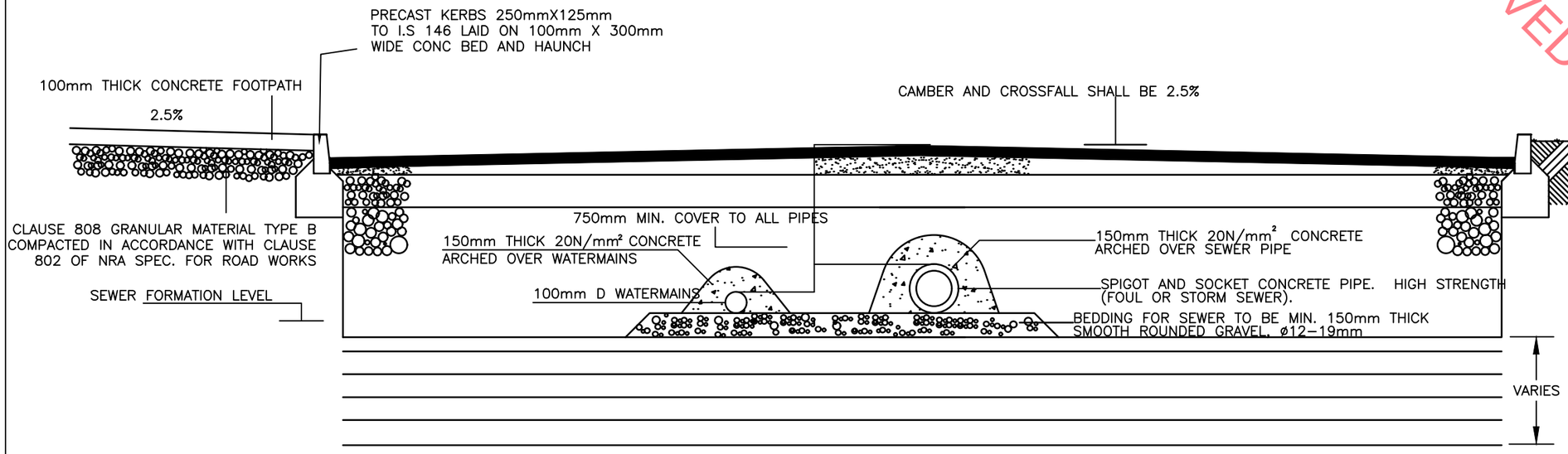

THESE PROTECTION MEASURES ONLY REQUIRED WHERE COVER TO CROWN OF PIPE IS LESS THAN 1.2m IN AREAS SUBJECT TO TRAFFIC LOAD

TYPICAL CROSS SECTION THROUGH STANDARD ROAD

SURFACE SPECIFICATION

A. SURFACING SHALL BE MINIMUM 80mm THICK AND SHALL CONSIST OF THE FOLLOWING:
40mm COMPACTED THICKNESS OF AC 14 DENSE SURF 70/100 CLAUSE 909 (NRA SPEC. FOR ROADWORKS)
THE BITUMEN MACADAM IS TO COMPLY WITH IS EN 13108–1.
60mm COMPACTED THICKNESS OF AC 20 DENSE BASE 70/100 REC TO CLAUSE 906 (NRA SPEC. FOR ROADWORKS)
BINDERCOURSE BITUMEN MACADAM IS TO COMPLY WITH IS EN 13108–1.

B. THE BLINDING IS TO CONSIST OF 25mm LIMESTONE LAID TO FALLS.

C. CARRIAGEWAY ROAD BASE TO CONSIST OF 200mm GRADED BROKEN STONE 40mm DOWN LAID AND COMPACTED TO REQUIRED FALLS AND SLOPES IN ACCORDANCE WITH CLAUSE 802 (NRA SPEC. FOR ROADWORKS).

D. 300mm SUBBASE TO CONSIST OF CRUSHED ROCK TO CLAUSE 808 TO FULL DEPTH DOWN, COMPACTED TO REQUIRED FALLS AND SLOPES IN ACCORDANCE WITH CLAUSE 802.

E. WHERE POOR GROUND CONDITIONS ARE INCORPORATED THE ENGINEER MAY DECIDE ON INCREASED DEPTH OF SUB BASE

F. SUB–GRADE MATERIAL
THE DEFINITIONS OF CLAUSE 601 (NRA SPEC. FOR ROADWORKS) CLASSIFICATION AND GENERAL USE OF EARTHWORKS APPLY, SUITABLE MATERIAL SHALL BE WELL GRADED GRANULAR SOIL (TO BE APPROVED IN ADVANCE BY ENGINEER). MATERIAL SHALL BE COMPACTED AS PER CLAUSE 609.

G. ROAD CONSTRUCTION SHALL BE CONFIRM TO SATISFY THE REQUIREMENTS OF RECOMMENDATIONS FOR SITE DEVELOPMENT WORKS

CBR OF SUBGRADE %	MINIMUM THICKNESS OF SUB–BASE (MM)
LESS THAN 2	550
2	400
3	300
4	240
5 OR MORE	200

REVISION DETAILS	DATE

RECEIVED: 25/01/2023

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	CONCRETE GRADE	COVER
EXPOSURE CONDITIONS		
MILD DRY ENCLOSED	30N/mm²	25mm
FOUNDATIONS DAMP	35N/mm²	30mm
SEVERE EXPOSED	40N/mm²	40mm
	CEMENT CONTENT	MAX. FREE WATER CEMENT RATIO
EXPOSURE CONDITIONS		
MILD DRY ENCLOSED	275kg/m³	0.65
FOUNDATIONS DAMP	300kg/m³	0.60
SEVERE EXPOSED	325kg/m³	0.55

MAX. SIZE OF AGGREGATE TO BE 20mm.

Issue: PLANNING

Project: Springfort Meadows
Nenagh, Co. Tipperary

Client: SINGLAND HOMES LTD.

Drawing Title: TYPICAL ROAD CONSTRUCTION DETAILS

Drawn.	Scale.	Checked.	Date.
MP	NTS	DOM	17.01.2023

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Project No.	Drawing No.	Revision
18068	C62	