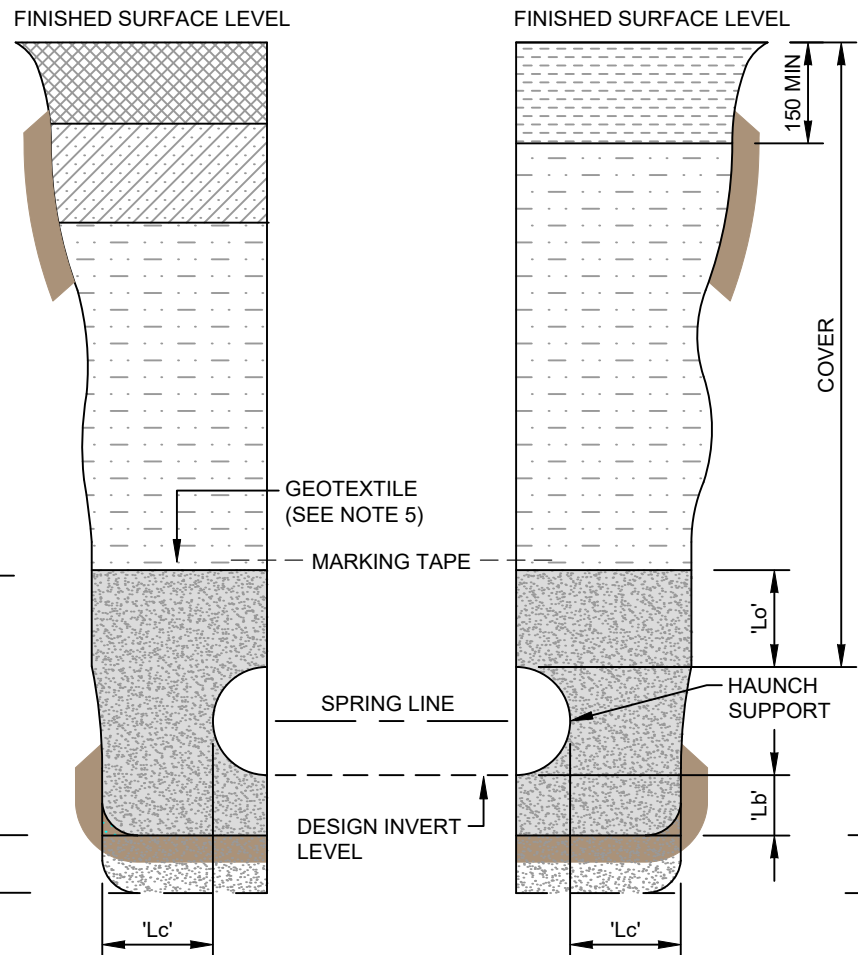


150mm
100
50
10mm
0

MATERIAL		ZONE
ROAD SURFACE	NON ROAD SURFACES	
ROAD SURFACE LAYER TO COMPLY WITH C.O.P FOR UTILITIES ACCESS TO TRANSPORT CORRIDORS (NOV 11)	TO MATCH EXISTING	SURFACE COURSE
TO MATCH EXISTING ROAD SUB BASE OR MIN OF 200, WHICH EVER IS GREATER	TRENCH FILL MATERIALS TO BE SIMILAR WITH C.O.P FOR UTILITIES ACCESS TO TRANSPORT CORRIDORS (NOV 11) AND TO COUNCIL AMENDMENTS.	ROAD SUB BASE
TRENCH FILL MATERIALS TO COMPLY WITH C.O.P FOR UTILITIES ACCESS TO TRANSPORT CORRIDORS (NOV 11) AND TO COUNCIL AMENDMENTS. OR INORGANIC SELECTED FILL MATERIAL WITH 65 MAXIMUM STONE SIZE	OR INORGANIC SELECTED FILL MATERIAL WITH 65 MAXIMUM STONE SIZE	TRENCH FILL (AS SPECIFIED IN DESIGN DRAWINGS)
1. EMBEDMENT MATERIAL IN ACCORDANCE WITH DESIGN DRAWINGS AND COUNCIL AMENDMENTS. (SEE NOTE 4) 2. 13mm UNIFORM GRADED METAL OR CLEAN SAND 3. BEDDING MAY BE OMITTED IF TRENCH BASE IS GRANULAR SAND OR GRAVEL OF SUITABLE GRADING		OVERLAY
		SIDE SUPPORT
		BEDDING
		OVER-EXCAVATION



ZONE	MATERIAL
TOPSOIL OR PAVEMENT	ORIGINAL OR IMPORTED MATERIAL TO MATCH EXISTING
TRENCH FILL (AS SPECIFIED IN DESIGN DRAWINGS)	INORGANIC FILL MATERIAL WITH 65 MAXIMUM STONE SIZE
OVERLAY	1. EMBEDMENT MATERIAL IN ACCORDANCE WITH DESIGN DRAWINGS AND COUNCIL AMENDMENTS. (SEE NOTE 4) 2. 13mm UNIFORM GRADED METAL OR CLEAN SAND 3. BEDDING MAY BE OMITTED IF TRENCH BASE IS GRANULAR SAND OR GRAVEL OF SUITABLE GRADING
SIDE SUPPORT	
BEDDING	
OVER-EXCAVATION	

VEHICULAR LOADING

- 'Lo' - 100 mm MIN. NON TRAFFICABLE
- 'Lb' - 300 mm MIN. TRAFFICABLE
- REFER TO CM - 002

NO VEHICULAR LOADING

INCLUDES LOCATIONS WHERE OCCASIONAL VEHICLE LOADING OCCURS SUCH AS RESERVES AND FOOTWAYS

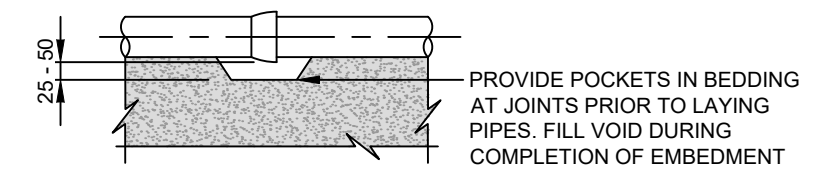
NOTE:

1. ALL DIMENSIONS IN MILLIMETRES.
2. SPECIFY SPECIAL BEDDING TO SUIT THE CONDITIONS IF THE TRENCH FLOOR HAS:
 - IRREGULAR OUTCROPS OF ROCK OR
 - BEEN DISTURBED BY UNCONTROLLED GROUND WATER.
3. COMPACT AND EVENLY GRADE FINISHED TRENCH FLOOR
4. EMBEDMENT, TRENCH FILL AND COMPACTION TO MEET THE REQUIREMENT OF DESIGN DRAWINGS OR SPECIFICATIONS.
5. USE GEOTEXTILE FILTER FABRIC WHERE SPECIFIED.
6. SIDES OF EXCAVATION TO BE KEPT VERTICAL TO AT LEAST 150 ABOVE THE PIPE.

SPRING LINE TRENCH CLEARANCE

NOMINAL DIAMETER DN	MINIMUM CLEARANCE 'Lc'
≤150	100
>150 - ≤300	150
>300 - ≤450	200
>450 - ≤900	300
>900 - ≤1500	350

TRENCH WIDTH TO BE SUFFICIENT TO SAFELY LAY PIPE AND COMPACT THE SIDE SUPPORT ZONE



PIPE JOINT BEDDING POCKETS
FOR JOINT PROJECTIONS (SOCKETS, FLANGES, AND SO ON)

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HDC AMENDMENTS TO NZS 4404:2010 SHOWN IN **BOLD**.



STANDARD DETAILS
EMBEDMENT AND TRENCHFILL
TYPICAL ARRANGEMENT

Drawn	J. GOODMAN	Designed	KCDC
Approved	B. MAGUIRE	Revision Date	OCTOBER 2020
Scale	NOT TO SCALE	Drawing No.	HDC-CM-001
		Revision	R0