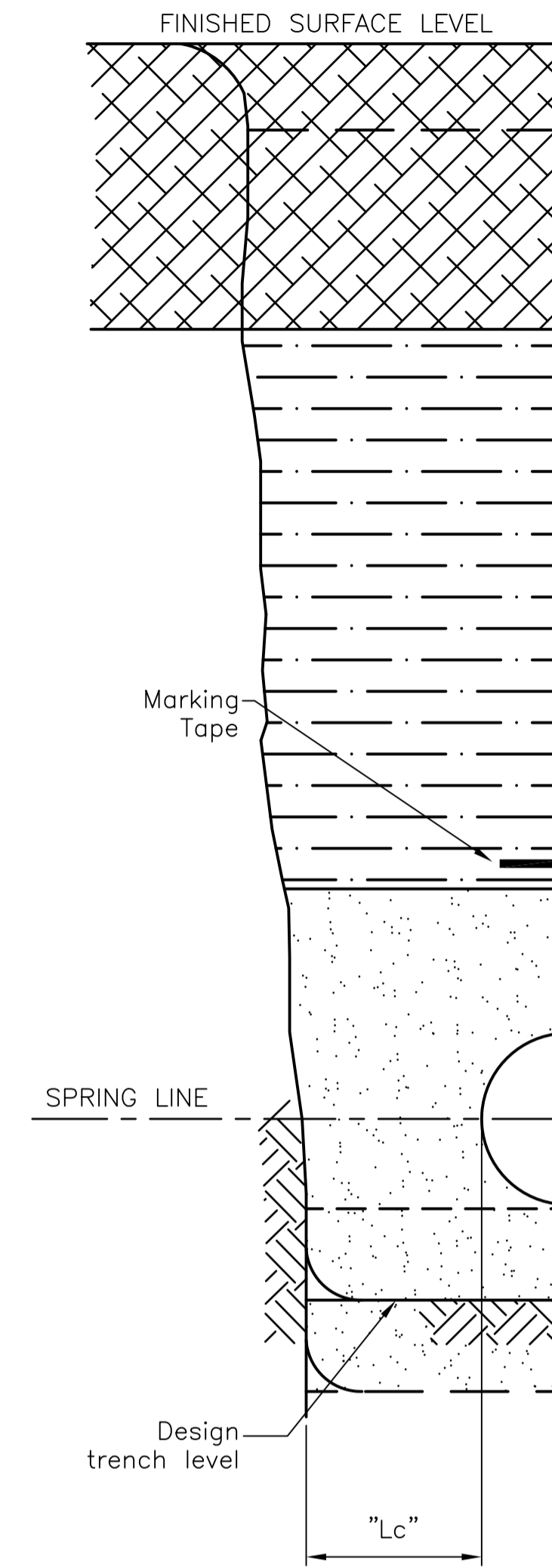


MATERIAL		ZONE	
ROAD SURFACE	VERGE & TRACK		
Road surface layer	To match existing	Surface Course	
To match existing road base or to road owner's requirements	To road owner's requirements	Road Base	
To road owner's requirements		Trench fill	
Or Inorganic fill with 75 maximum stone size	Or Inorganic fill with maximum 75 stone size	Embedment	
Embedment material in accordance with design drawings, job specification and AS2566.2, Table G1, G2 and G3			Overlay
Bedding may be omitted if trench base is granular sand			Side Support
			Bedding
		Over-excavation	

VEHICULAR LOADING



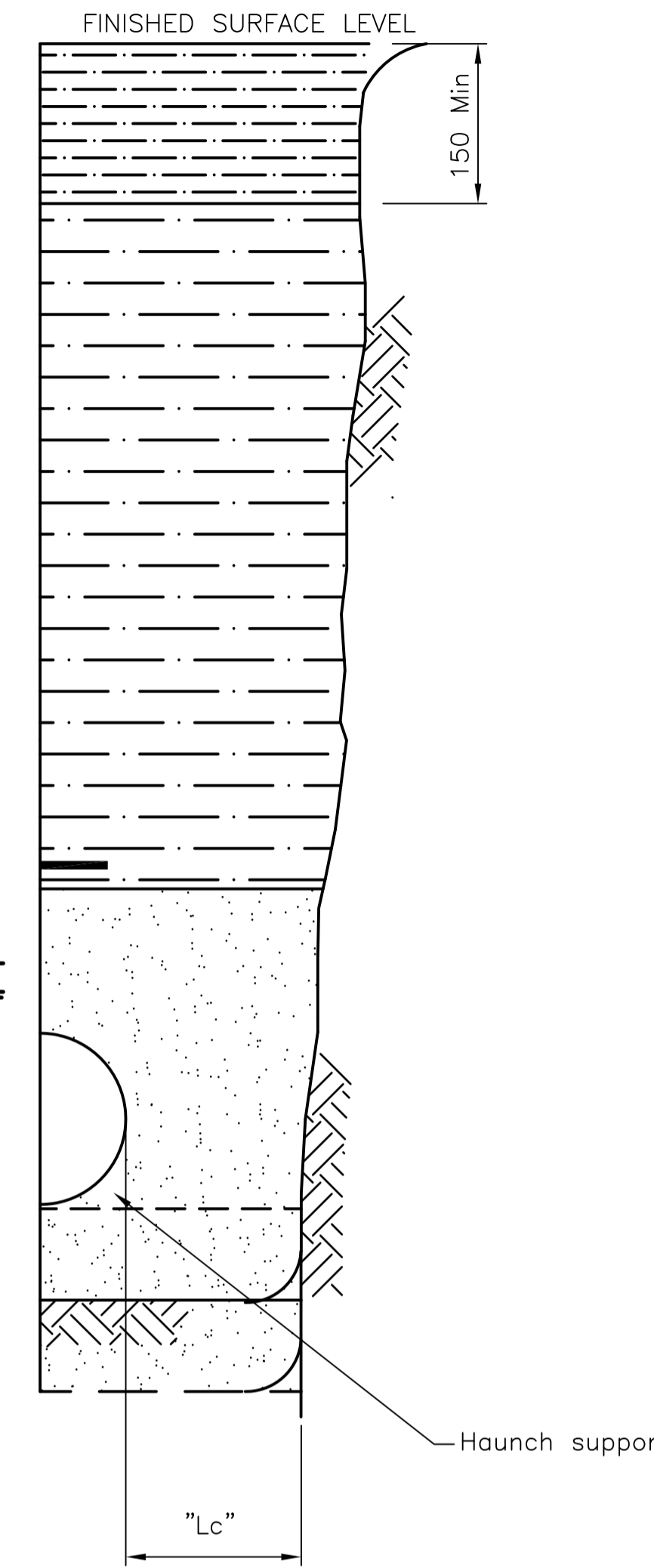
MINIMUM PIPE COVER

LOCATION	MINIMUM COVER #
Non roadways - General - Industrial/commercial	450 600
Sealed roads	600
Major roadways/ Embankments	750
Freeways	1200

SPRING LINE TRENCH CLEARANCE

NOMINAL DIAMETER (DN)	MINIMUM CLEARANCE "Lc" TO AS/NZS 2566.1
≤150	100
>150-≤300	150
>300-≤450	200
>450-≤900	300
>900-≤1500	350

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



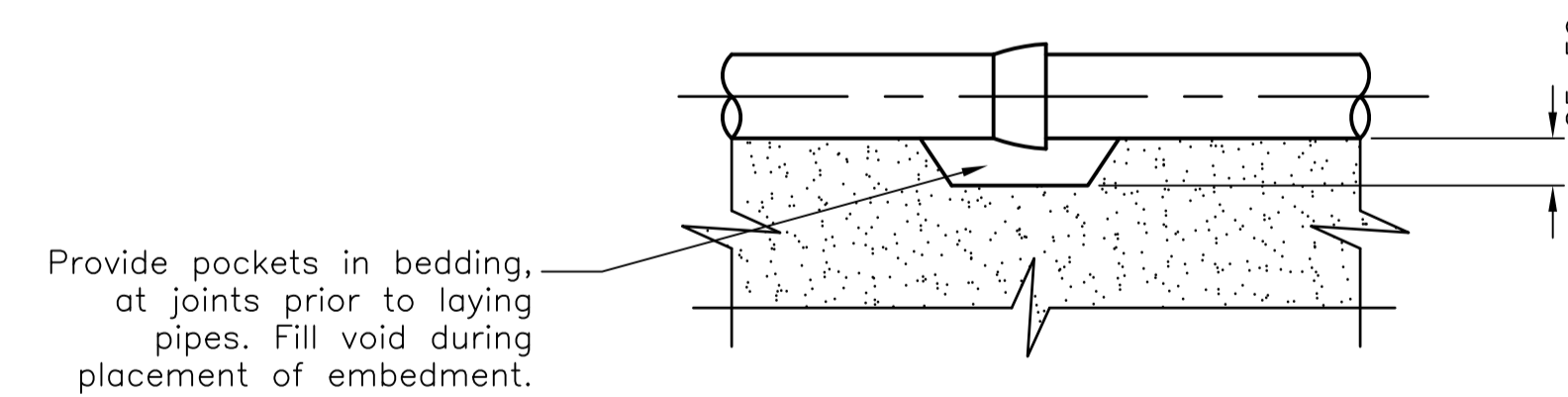
ZONE	MATERIAL	
Topsoil or Footway surface	Original material or imported material of equal quality	
Trench fill	Inorganic fill with 75 maximum stone size	
Embedment	Embedment material in accordance with design drawings, job specification and AS2566.2, Tables G1, G2 and G3	
		Overlay
		Side Support
Bedding	Bedding may be omitted if trench base is granular sand	
Over-excavation		

NO VEHICULAR LOADING

(INCLUDES LOCATIONS WHERE OCCASIONAL VEHICLES LOADINGS OCCUR EG. PARKLANDS, FOOTWAYS)

NOTES

- All dimensions are in millimetres unless noted otherwise.
- Bedding - special bedding shall be specified to suit the 2. Conditions if the trench floor has:
 - Irregular outcrops of rock.
 - AHBP of < 50 kPa (Refer SD-370), or
 - Uncontrolled ground water has disturbed the floor of the trench.
- Embedment, trench fill and compaction to meet the requirements of WSA-03 Part 3, the job specification and AS2566.2, tables G1, G2 and G3.
- Sides of excavation to be kept vertical to at least 150 above the pipe.



PIPE JOINT BEDDING POCKETS
FOR JOINT PROJECTIONS (SOCKETS, FLANGES ETC)

No.	DATE	DESCRIPTION	AP'D
B		REFERENCES AMENDED	
A		ORIGINAL ISSUE	
REVISIONS			

NOTES : BASED ON FORMER WSA DRAWING WAT-1201

Full Size A1

Not to Scale

DRAWN: DESIGN OFFICE

CHECKED: D Moseley

Design Engineer Approved: P Turl

Date: 24-07-2012

Manager Approved: M Harvey

Date: 24-07-2012



Ph: (07) 4727 9000
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**EMBEDMENT & TRENCH FILL
TYPICAL ARRANGEMENT**

**STANDARD
DRAWING**

WATER

SD-325

B