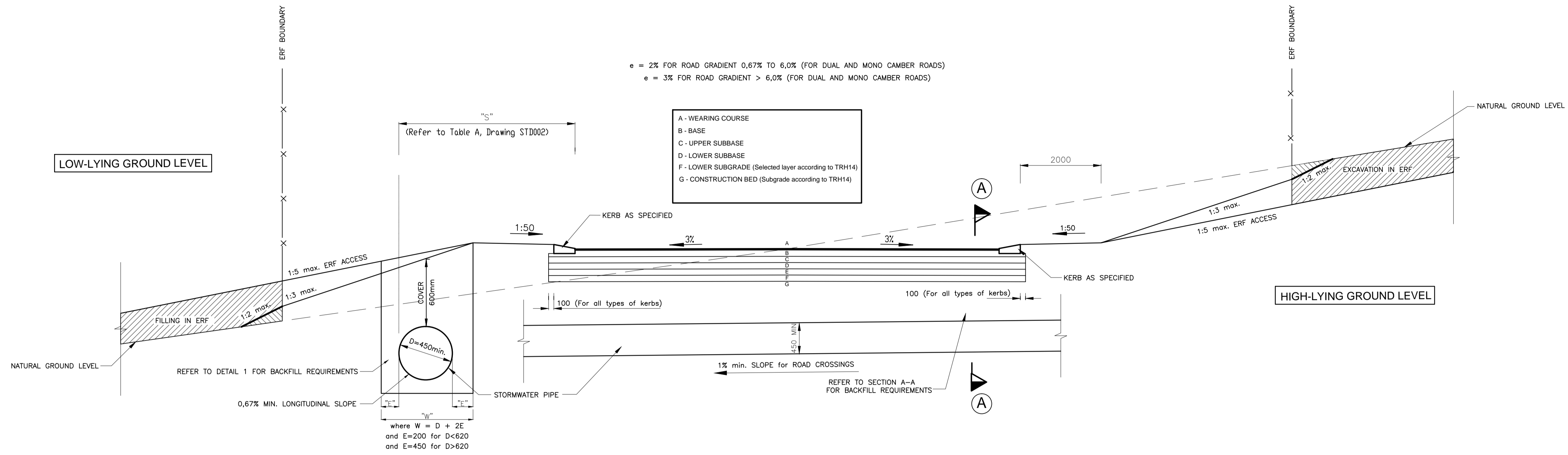


1. **STORMWATER**
 - 1.1 ALL STORMWATER PIPES TO BE LAID SOFFIT TO SOFFIT.
 - 1.2 MINIMUM PIPE DIAMETER IS 450mm.
 - 1.3 MAXIMUM ANGLE BETWEEN ADJOINING PIPES IS 60%.
 - 1.4 MINIMUM SLOPE FOR ROAD CROSSINGS IS 1% AND FOR OTHER PIPES 0,67%.
 - 1.5 ALSO REFER TO SECTION 101, 104, 202, 502 AND 504 OF THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, 3rd EDITION, 2005
2. **ROADS**
 - 2.1 ALL MATERIALS FOR PAVEMENT LAYERS SHALL, UNLESS OTHERWISE SPECIFIED IN THE PROJECT SPECIFICATIONS, CONFORM TO THE REQUIREMENTS OF TRH 14.
 - 2.2 ALSO REFER TO SECTION 101, 104, 203, 503 AND 601 TO 606 OF THE STANDARD SPECIFICATIONS FOR MUNICIPAL CIVIL ENGINEERING WORKS, 3rd EDITION, 2005.

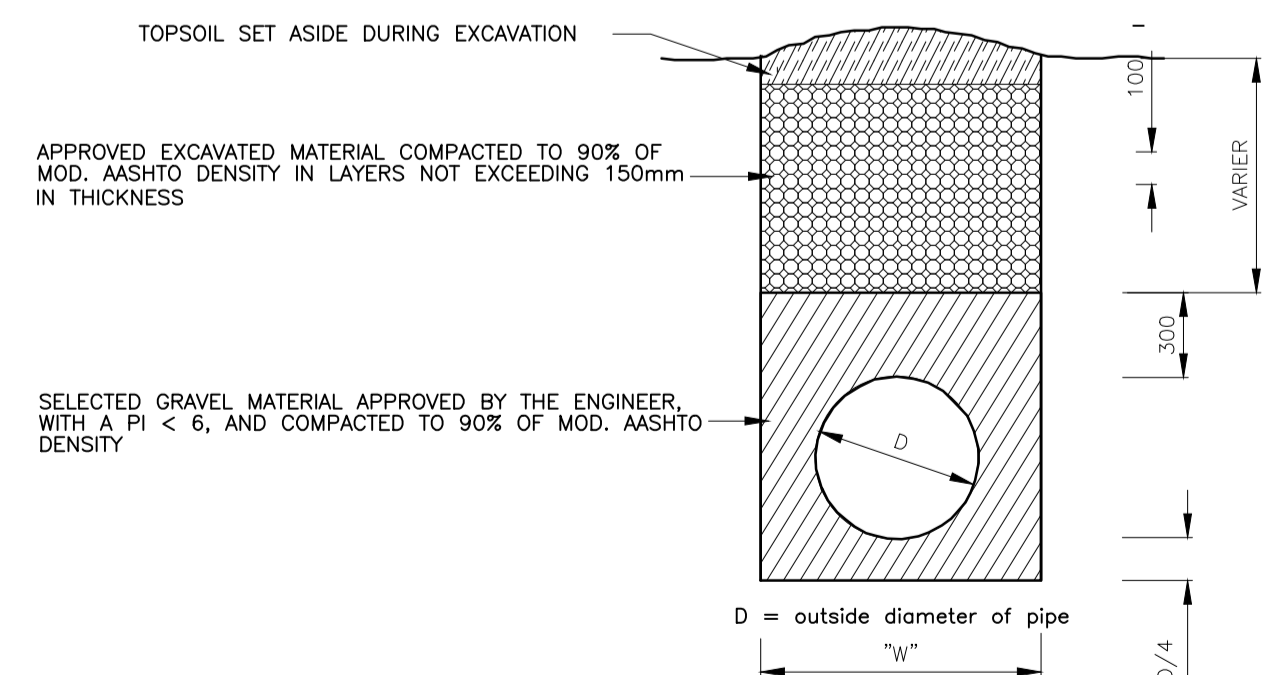


TYPICAL SECTION THROUGH ROAD RESERVE

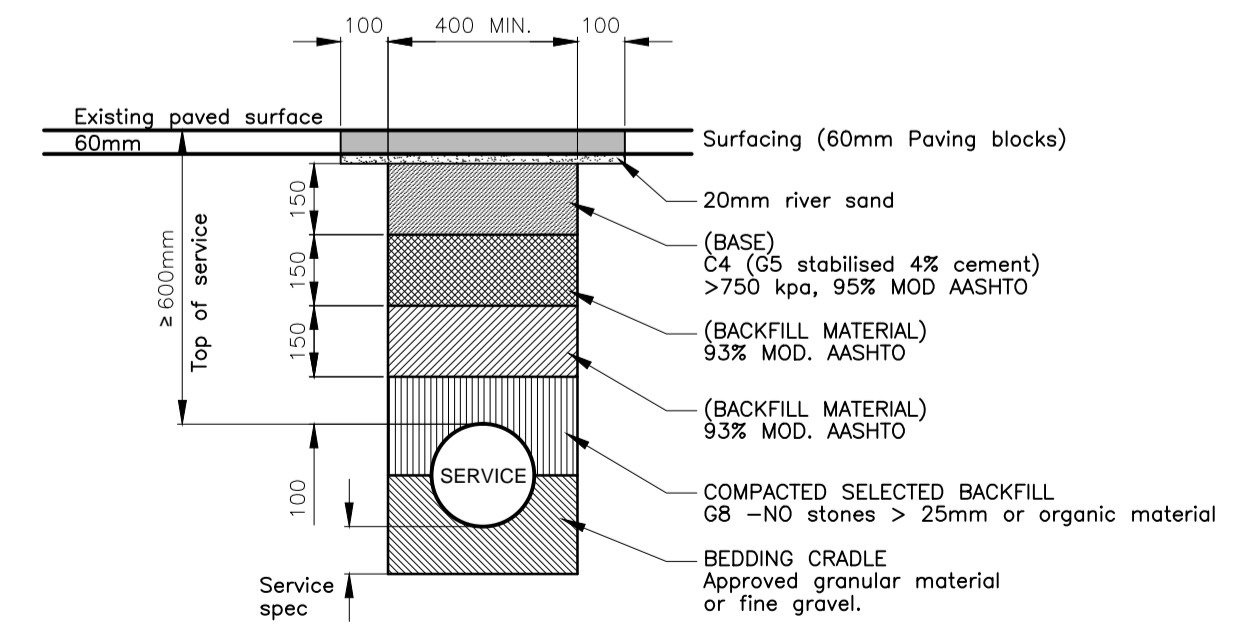
TABLE A: POSITION OF STORMWATER LINE IN ROAD RESERVE

ROAD RESERVE WIDTH (m)	CARRIAGE WAY WIDTH (m)	DISTANCE "S" (m)
25,0	14,0	2,300
	10,5	4,900
	7,4	6,000
20,0	10,5	2,300
	8,0	2,300
	7,4	2,300
16	7,4	1,950
	6,8	2,250
	6,0	2,200
13	5,5	1,400
	5,0	1,600
10	4,5	1,300

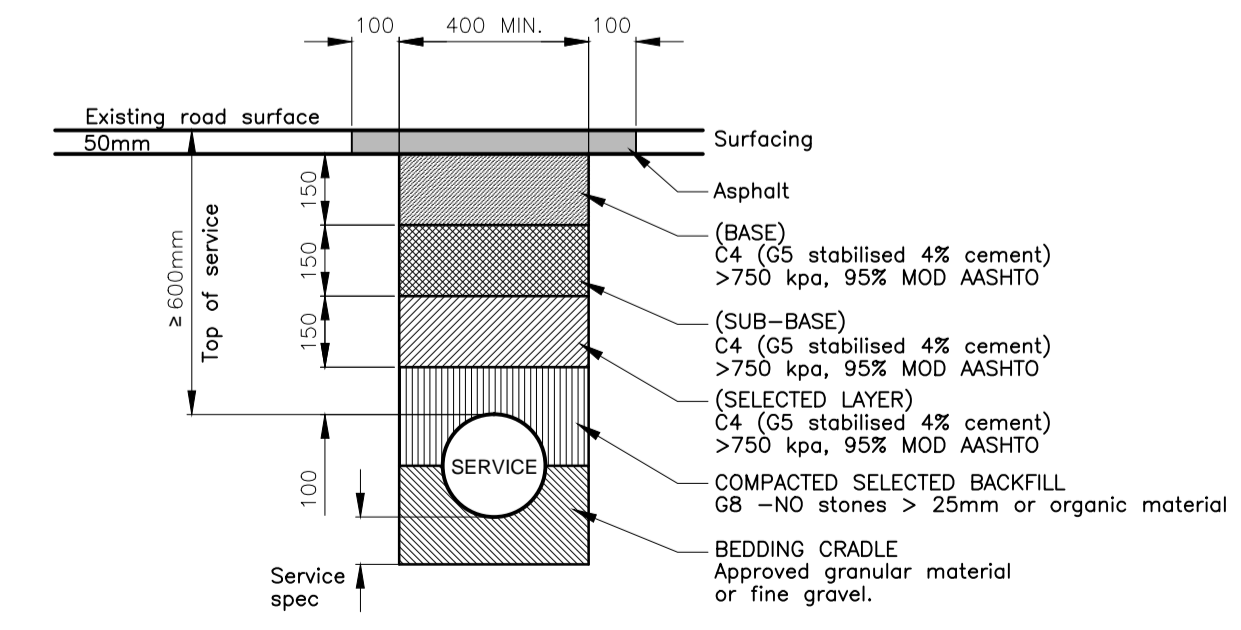
"S" is the distance between the road (tar edge) and the furthest wall of the pipe or culvert.



**DETAIL 1
BACKFILL OF TRENCHES NOT IN ROADS**



TRENCH BACKFILLING FOR PAVED FOOTWAYS



TRENCH BACKFILLING FOR SURFACED ROADS

AMENDMENTS

NR.	DATE	APPROVED	DESCRIPTION	PAR.

DESIGNED J. CRONJE	DRAWN S. AUDIE
CHECKED BY S. NAIDOO	INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT D.J. CHALMERS

**CITY OF TSHWANE
ROADS AND TRANSPORT DEPARTMENT**

GROUP HEAD: Mr Letloikane P. (Pheko)
 P.O. BOX 1409
 PRETORIA 0001

DIVISIONAL HEAD: Mr Marven K Thigale
 P.O. BOX 1409
 PRETORIA 0001

TRANSPORT INFRASTRUCTURE DESIGN AND CONSTRUCTION DIVISIONAL HEAD Mr K Thigale (Marven)	DRAWING RECOMMENDED BY DIVISIONAL HEADS TRANSPORTATION PLANNING DIVISIONAL HEAD Mr L. Swanepoel (Lourens)
SIGNATURE: _____ DATE: _____	SIGNATURE: _____ DATE: _____
DRAWING APPROVED BY GROUP HEAD Mr Letloikane P. (Pheko)	
SIGNATURE: _____ DATE: _____	SIGNATURE: _____ DATE: _____

TYPICAL STANDARD DETAILS

**TYPICAL TRENCHING
ROAD RESERVE, STORMWATER PIPELINE & FURROW**

CONTRACT No.:	PROJECT No.:
DATE: 03 MARCH 2022	SCALE: AS SHOWN
DRAWING NO. STD006	SHEET NO. 1 OF 1

