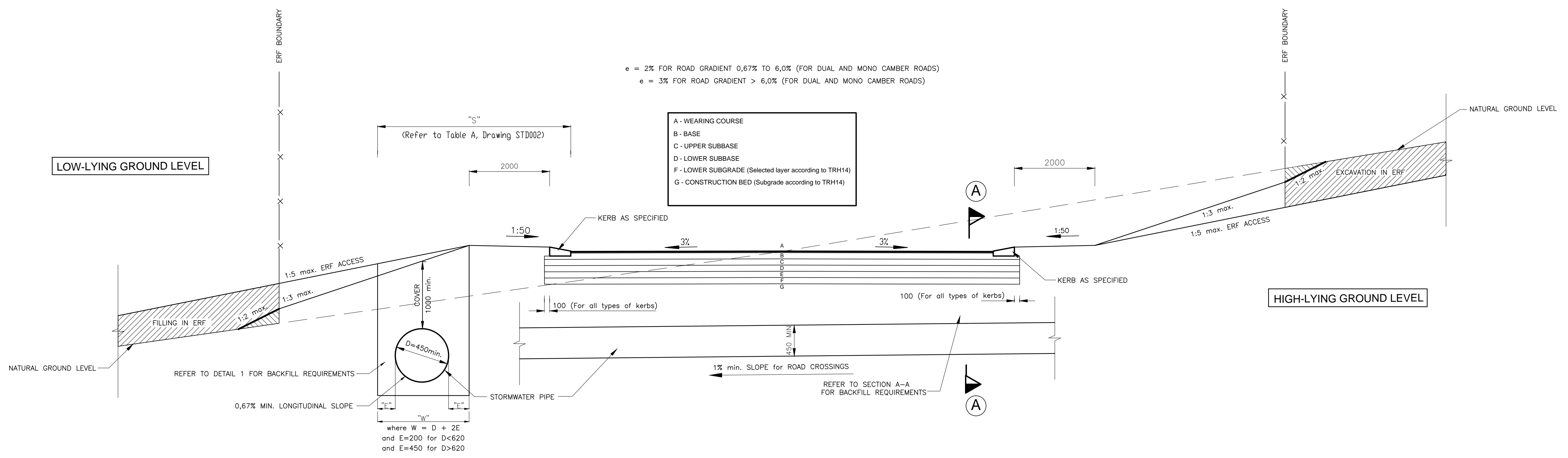
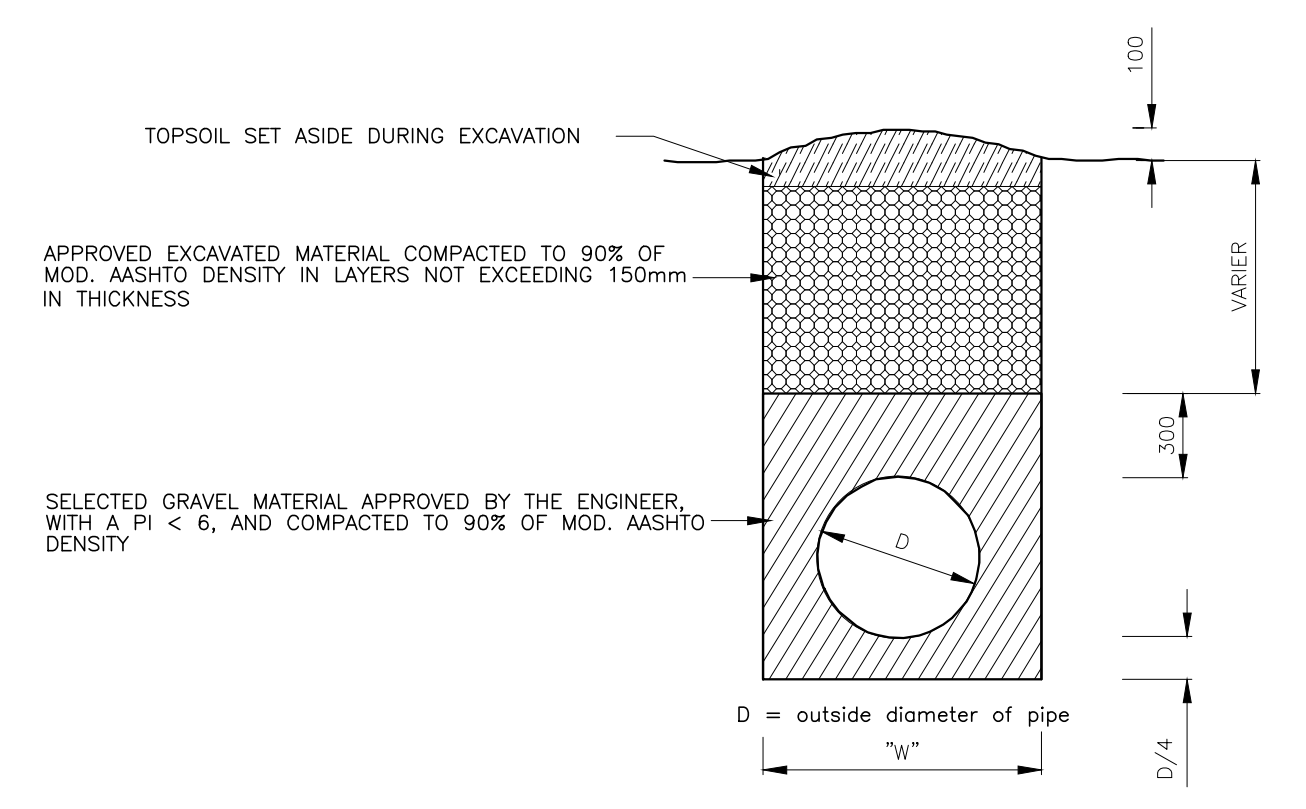


NOTES AND SPECIFICATIONS

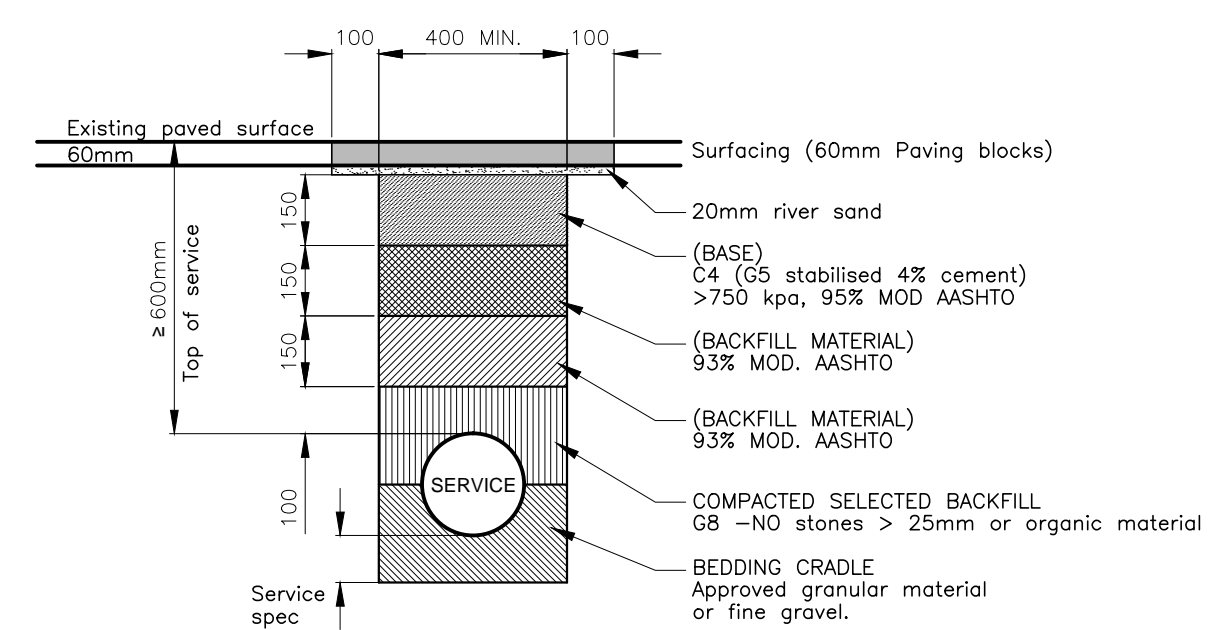
1. **STORMWATER**
 - 1.1 ALL STORMWATER PIPES TO BE LAID SOFFIT TO SOFFIT.
 - 1.2 MINIMUM PIPE DIAMETER IS 450mm.
 - 1.3 MAXIMUM ANGLE BETWEEN ADJOINING PIPES IS 60°.
 - 1.4 MINIMUM SLOPE FOR ROAD CROSSINGS IS 1% AND FOR OTHER PIPES 0,67%.
 - 1.5 ALSO REFER TO SECTION 101, 104, 202, 502 AND 504 OF THE 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.



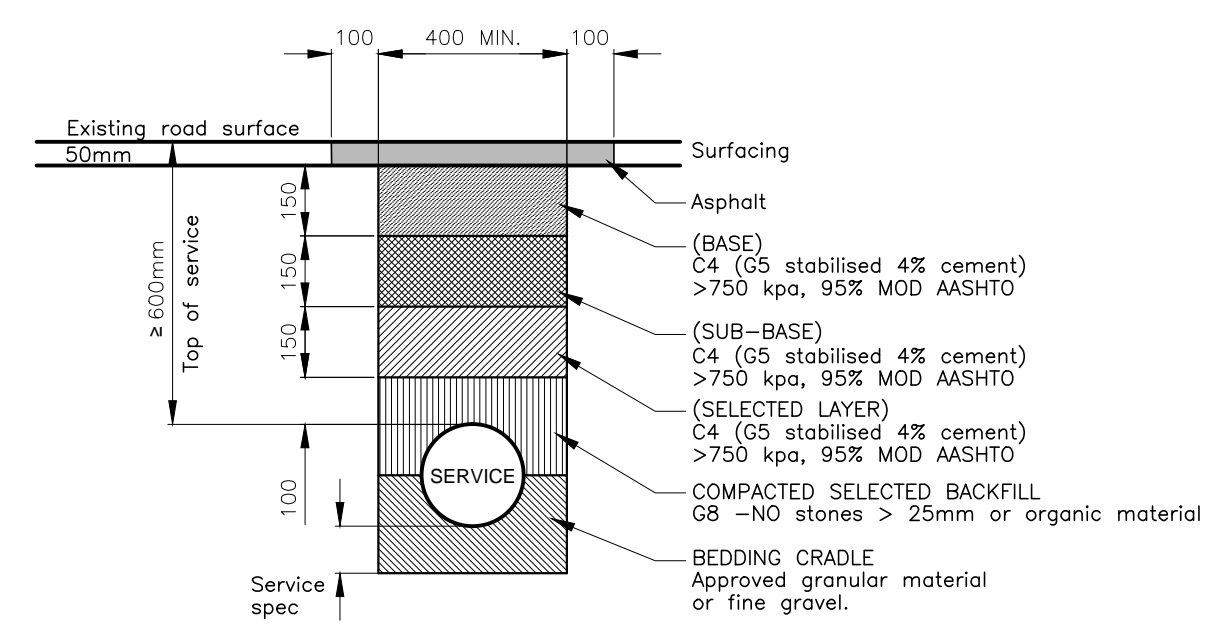
TYPICAL SECTION THROUGH ROAD RESERVE



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 P.A. ODENDAAL Pr.Eng.	DRAWN S. AUDIE
DESIGN CHECKED BY P. A. ODENDAAL Pr.Eng.	INFRASTRUCTURE TECHNICAL INFORMATION MANAGEMENT D.J. CHALMERS

PROJECT STATUS			
CONCEPT DRAWING	TENDER DRAWING	APPROVED FOR CONSTRUCTION DRAWING	AS BUILT DRAWING
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PROJECT ENGINEER (CONSULTANT)

INITIALS AND SURNAME _____ SIGNATURE AND Pr. No. _____ DATE _____
INSPECTOR OF WORKS (CITY OF TSHWANE)

INITIALS AND SURNAME _____ SIGNATURE AND Pr. No. _____ DATE _____

CONSULTANT DETAIL	

CITY OF TSHWANE
ROADS AND TRANSPORT DEPARTMENT

Mr. P. I. Letloane DIRECTOR
Ms. L. V. Kegakilwe-Pai EXECUTIVE DIRECTOR

STRATEGIC EXECUTIVE DIRECTOR
P.O. BOX 1409 PRETORIA 0001

CITY OF TSHWANE
P.O. BOX 1409 PRETORIA 0001

DRAWING APPROVED BY EXECUTIVE DIRECTOR
Ms. L. V. Kegakilwe-Pai

TYPICAL STANDARD DETAILS

DESCRIPTION OF PROJECT
TYPICAL TRENCHING
ROAD RESERVE, STORMWATER
PIPELINE & FURROW

ROADS AND STORMWATER For Internal Approval	
SIGNATURES REQUIRED	
DIRECTOR: INFRASTRUCTURE PROVISION	
DIRECTOR: INFRASTRUCTURE CONSTRUCTION PROJECT MANAGEMENT	
DIRECTOR: INFRASTRUCTURE ASSET MANAGEMENT	
DIRECTOR: TRANSPORT INFRASTRUCTURE PLANNING	
DIRECTOR: INTELLIGENT TRANSPORT SYSTEM AND TRAFFIC ENGINEERING	
DIRECTOR: INFRASTRUCTURE MAINTENANCE MANAGEMENT (IMM)	

CONTRACT No.:	PROJECT No.:
DATE: MAY 2013	SCALE: AS SHOWN
DRAWING NO: STD006	SHEET NO: 1 OF 1
SCALE: 1:1000	REVISION