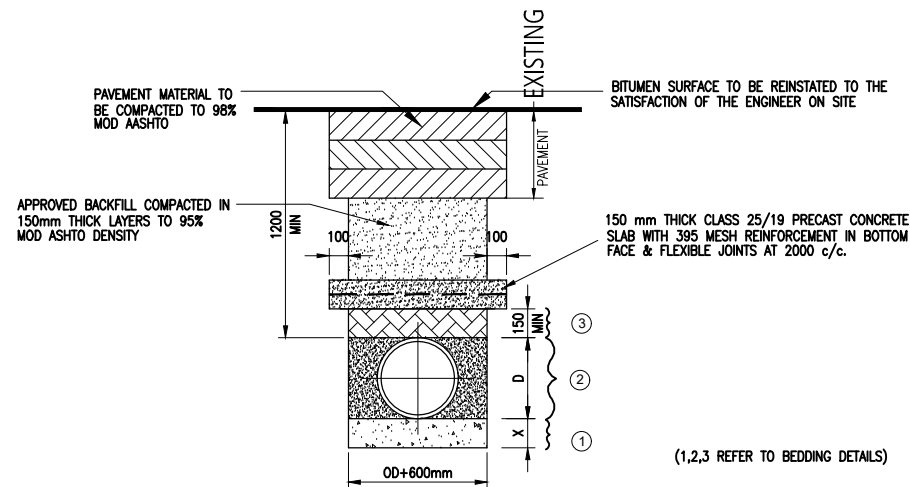


**TYPICAL TRENCH SECTION
ACROSS OPEN GROUND**



TYPICAL TRENCH SECTION AT ROAD

NOTES:

NOTE: APPLIES TO SEWER PIPES

1. SELECTED BEDDING AND SIDEFILL MATERIAL SHALL BE APPROVED GRANULAR MATERIAL FREE FROM ORGANIC MATTER, BUILDER'S RUBBLE AND ANY CLAY LUMPS RETAINED ON A 20mm SIEVE COMPACTED TO 95% MOD AASHTO TO THE FOLLOWING GRADING:

SIEVE TO STANDARD SPECIFICATIONS	PERCENT PASSING
20mm	100 %
10mm	>85 %
5mm	<20 %
2.36mm	< 5 %

2. SIDE FILL MATERIAL SHALL BE UNIFORM MATERIAL FREE FROM TREE ROOTS, VEGETABLE MATTER, BUILDERS RUBBLE, CLAY LUMPS RETAINED ON A 75mm SIEVE AND STONES RETAINED ON A 25mm SIEVE. TO BE COMPACTED AS SHOWN ON THE DRAWING.

3. BLANKET FILL MATERIAL SHALL BE COMPACTED TO 90% MOD AASHTO DENSITY IN NORMAL CONDITIONS, 93% IN ROAD RESERVE, 95% UNDER ROAD.

4. SELECTED GRANULAR MATERIAL SHALL BE SINGLE SIZED CRUSHED STONE TO BS. 882 1973 (TABLE 1)

NOMINAL PIPE DIAMETER	STONE SIZE
100mm OR LESS	10mm
150mm	10 OR 14mm
225 TO 300mm	10, 14 OR 20mm
375 TO 500mm	14 OR 20mm
600mm OR GREATER	14, 20 OR 40mm

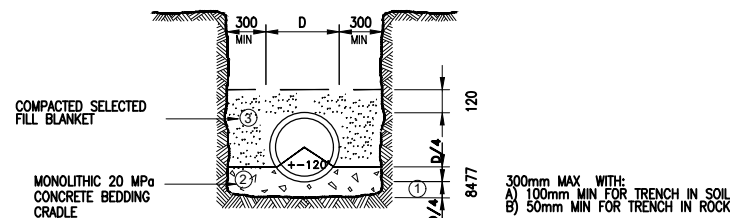
OR

GRANULAR MATERIAL CONFORMING TO BS. 882 1973 (TABLE 1)

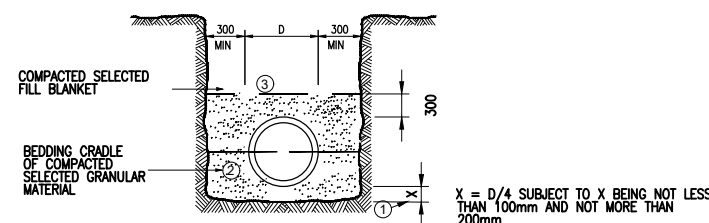
150mm OR LESS	14 TO 5 GRADED
225 TO 500mm	20 TO 5 GRADED
600mm OR GREATER	40 TO 5 GRADED

DIAMETER	BEDDING THICKNESS (X)
160mm	150mm
200mm	150mm
225mm	200mm

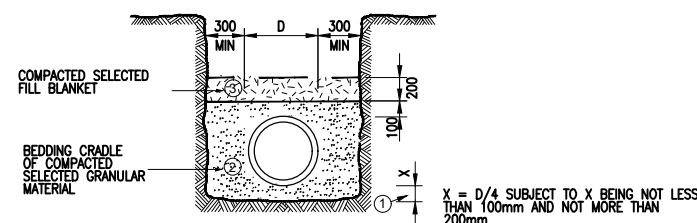
5. WHERE A WATER LINE CROSSES A SEWER LINE, THE WATER LINE SHALL AT ALL TIMES BE ABOVE THE SEWER LINE AS SHOWN ON THE DRAWING.



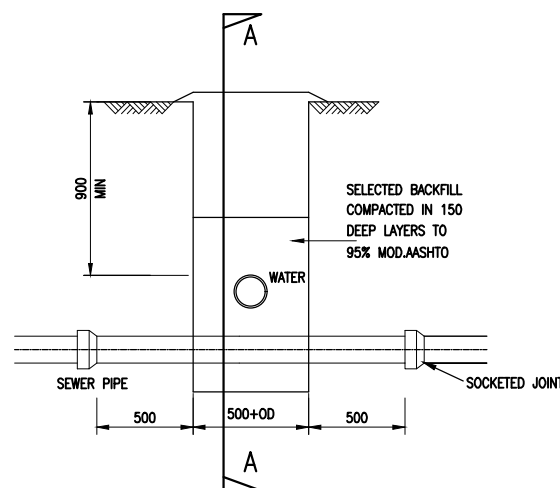
CLASS A BEDDING FOR RIGID PIPES



CLASS B BEDDING FOR RIGID PIPES



DETAIL OF BEDDING FOR FLEXIBLE PIPES



SECTION A - A

TYPICAL DETAIL - WHERE SEWER & WATER PIPE CROSS

EMPLOYER:



SOUTHERN AFRICAN DEVELOPMENT COMMUNITY

PROJECT :

CONSTRUCTION OF SADC STANDBY
FORCE REGIONAL LOGISTIC DEPOT

ENGINEER :

Bothakga Burrow
Engineering Solutions Today, For Tomorrow
Unit No. 24 Kgale Mews, Plot 115, Millenium Office Park, Gaborone
P.O. Box 360, Gaborone, Botswana
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email: bbb@bbbl.co.bw

DESIGNED C.S.M.	DRAWN C.S.M.	CHECKED I.M.	REVIEWED T.T.M.	APPROVED ***
DATE MAY 2021	DATE MAY 2021	DATE MAY 2021	DATE MAY 2021	DATE MAY 2021

REVISION	MARK	DATE	BY
MEASUREMENT	A	MARCH 2022	T.T.M

DRAWING TITLE

WATER STANDARD DETAILS
PIPE BEDDING DETAILS

SCALE:
1:50

CONTRACT:
SADC/RLD CONST/01

DRAWING No.
BL813/600/52

REV
A