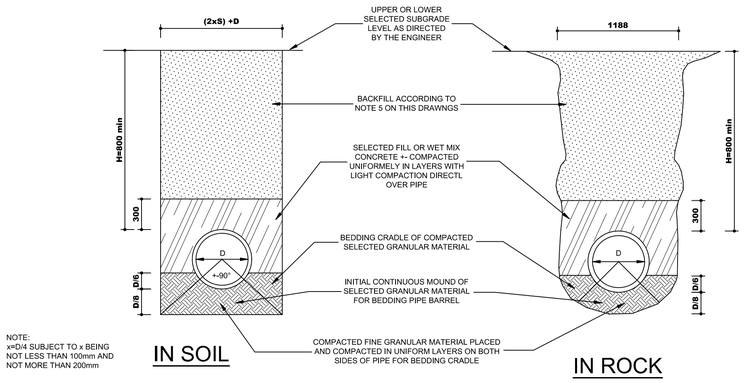
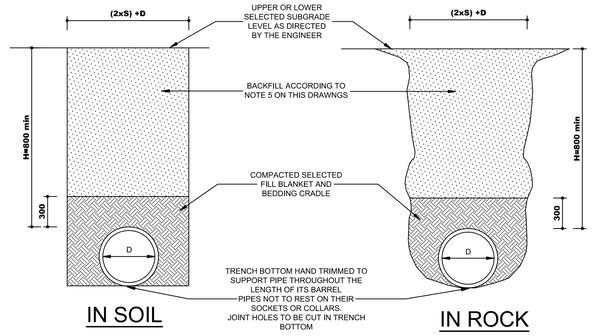


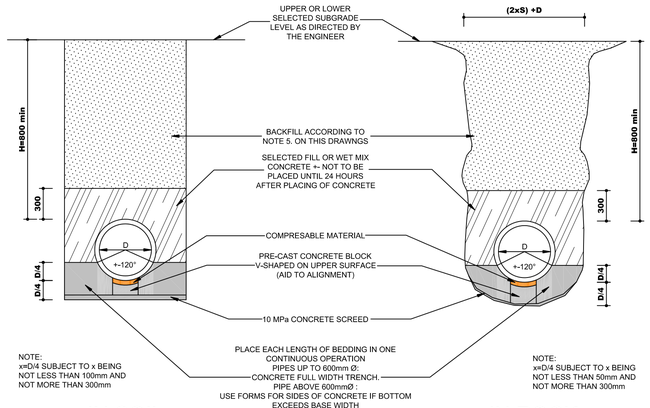

NOTE:
x=D/4 SUBJECT TO x BEING NOT LESS THAN 100mm AND NOT MORE THAN 200mm

CLASS C BEDDING
1:30




CLASS D BEDDING
1:30

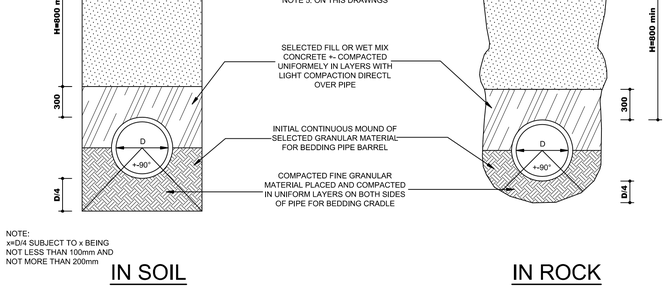
| LEGEND | |
|---|---|
| | Existing PVC Water Pipeline |
| | Existing ASBESTOS Water Pipeline |
| | Powerline |
| | Existing Asbestos Pipeline |
| | Storm Water Pipeline |
| | Sewer Line |
| | New house connection |
| | HDPE PE 100 PN 16 PIPE WITH CONTINUOUS WELDS WITH CONTROL VALVE |




NOTE:
x=D/4 SUBJECT TO x BEING NOT LESS THAN 100mm AND NOT MORE THAN 300mm

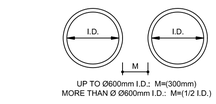
NOTE:
x=D/4 SUBJECT TO x BEING NOT LESS THAN 50mm AND NOT MORE THAN 300mm

CLASS A BEDDING
1:30



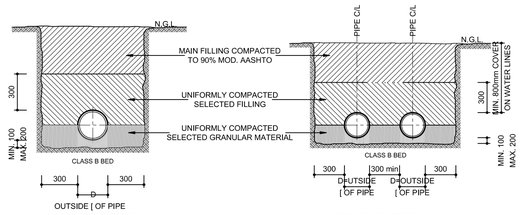

NOTE:
x=D/4 SUBJECT TO x BEING NOT LESS THAN 100mm AND NOT MORE THAN 200mm

CLASS B BEDDING
1:30




UP TO Ø600mm I.D.: M=(300mm)
MORE THAN Ø Ø600mm I.D.: M=(1/2 I.D.)

PARALLEL PIPE INSTALLATION




SINGLE TRENCH EXCAVATION

DOUBLE TRENCH EXCAVATION

CONSTRUCTION OF PIPE BED

| EXTERNAL DIAMETER OF PIPE BARREL | | SIDE ALLOWANCE ON EACH SIDE (mm) |
|---|---|---|
| OVER | UP TO AND INCL. | S |
| - | 125 | 300 |
| 125 | 700 | 300 |
| 700 | 1000 | 400 |
| 1000 | 2000 | 500 |
| 2000 | - | 600 |

NOTES: PIPE CULVERT
1. BEDDING BLANKET OF APPROVED SELECTED FILL MATERIAL IN 150mm LAYERS AND HAND COMPACTED TO 90% MOD AASHTO DENSITY
2. ALL PIPE CULVERT TO BE INTERLOCKING JOINT PIPES-SANS 677 (SC TYPE)
3. ALL PIPE CULVERT ROAD CROSSING SHALL BE CLASS 75D PIPES
4. ALL OTHER STORMWATER PIPES SHALL BE CLASS 50D UNLESS OTHERWISE SPECIFIED
5. AREAS SUBJECT TO TRAFFIC LOADS:
BACKFILLING IN 150mm THICK MAX. LAYERS AND COMPACTED TO 93% MOD AASHTO (COHESIVE SOIL) AND COMPACTED TO 98% MOD AASHTO (NON COHESIVE SOILS)OR
AREAS NOT SUBJECT TO TRAFFIC LOADS:
BACKFILLING IN 300mm THICK MAX. LAYERS AND COMPACTED TO 90% AASHTO DENSITY. WET MIX CONCRETE ONLY WHEN ORDERED BY THE ENGINEER
6. S= SIDE ALLOWANCE D= NOMINAL DIAMETER

# BEDDING DETAILS WATER & SEWER

For Tender Purpose Only

## AMENDMENDS

| No | Date | By | |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

**Client:**
TSWELOPELE LOCAL MUNICIPALITY

**Project:**
THE REPLACEMENT OF OLD ASBESTOS PIPELINE AND ACCOMPANYING APPURTENANCES IN PHAHAMENG (BULTFONTEIN)

**Drawing:**
BEDDING DETAILS

| Date: | Scale: |
|---|---|
| JUNE 2026 | AS SHOWN |


PULE RAMASIMONG DEVELOPMENT CONSULTANTS
ENGINEERING CONSULTANTS, PROJECT MANAGERS AND COMMUNITY DEVELOPMENT CONSULTANTS
6 DELAHARPE STREET
WILKOPPIES
KLERKSDORP, 2570
TEL:+27 18 462 1575
FAX: +27 18 462 1518
EMAIL:pule@prdcon.co.za


| | | | |
|---|---|---|---|
| Designed By: | | PR | |
| Drawn By: | | SM | |
| Checked By: | | PR | |

Drawing No. PRDC-26-07-02-11
Contract No. PRDC-26-07