

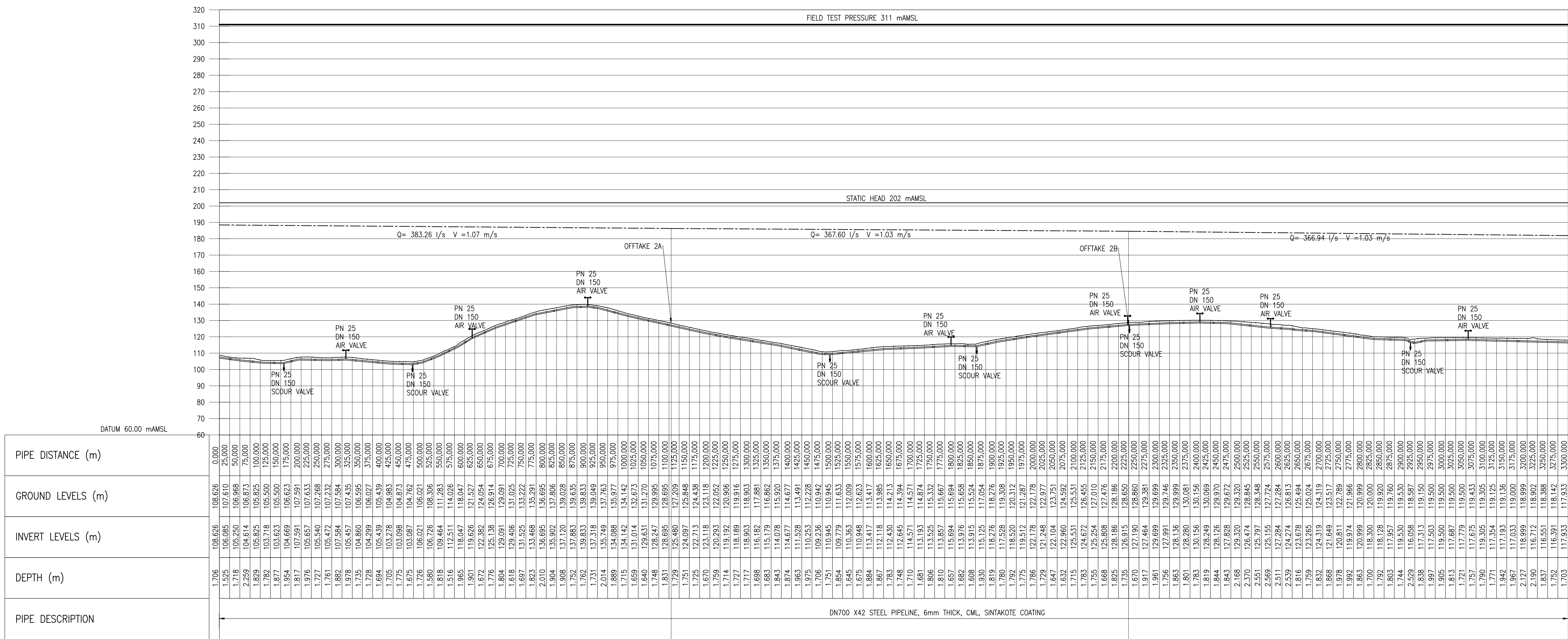
AIR VALVES

DN 700 - VARIANT 150LW/700 STAINLESS STEEL OR SIMILAR APPROVED

DN 200 - VARIANT 150LW/200 STAINLESS STEEL OR SIMILAR APPROVED



PLAN
SCALE 1 : 5000



SMALL SCALE LONGITUDINAL SECTION DN700 PHASE1A-2

HORIZONTAL SCALE 1 :5000
VERTICAL SCALE 1 :1250

DRG. No.	REFERENCE DRAWINGS
MD1993-03-001	LAYOUT PLAN
MD1993-03-002	DN700 ROUTE PLAN AND SMALL SCALE LONGITUDINAL SECTIONS
MD1993-03-003	DN200 (OFF-TAKE)A ROUTE PLAN AND SMALL SCALE LONGITUDINAL SECTIONS
MD1993-03-010	DN700 ROUTE PLAN AND LONGITUDINAL SECTIONS (SHEET 1 OF 4)
MD1993-03-011	DN700 ROUTE PLAN AND LONGITUDINAL SECTIONS (SHEET 2 OF 4)
MD1993-03-012	DN700 ROUTE PLAN AND LONGITUDINAL SECTIONS (SHEET 3 OF 4)
MD1993-03-013	DN700 ROUTE PLAN AND LONGITUDINAL SECTIONS (SHEET 4 OF 4)
MD1993-03-014	DN200 (OFF-TAKE)A ROUTE PLAN AND LONGITUDINAL SECTIONS (SHEET 1 OF 3)
MD1993-03-015	DN200 (OFF-TAKE)A ROUTE PLAN AND LONGITUDINAL SECTIONS (SHEET 2 OF 3)
MD1993-03-016	DN200 (OFF-TAKE)A ROUTE PLAN AND LONGITUDINAL SECTIONS (SHEET 3 OF 3)
MD1993-03-040	ROAD CROSSING DETAILS
MD1993-03-041	STREAM CROSSING DETAILS
MD1993-03-042	STREAM SCOUR CHAMBER DETAILS
MD1993-03-043	CANAL CROSSING DETAILS
MD1993-03-060	OFF-TAKE 2A DETAILS
MD1993-03-061	OFF-TAKE 2B DETAILS
MD1993-03-070	CONNECTION TO TANKS
M1993-03-080	STANDARD DETAILS
MD1993-03-081	GENERAL DETAILS (SHEET 1 OF 2)
MD1993-03-082	GENERAL DETAILS (SHEET 2 OF 2)

NOTES:

PIPEWORK

1. ALL BOLTS TO BE HOT-DIPPED GALV. TO SACS 1463.
2. ALL MILD STEEL PIPEWORK, COLLARS AND GROTH PLATES TO BE MANUFACTURED FROM GRADE 50K STEEL (MINIMUM YIELD STRENGTH OF 289 MPa) AND WELDED IN ACCORDANCE WITH BS4360.
3. ALL PIPEWORK PASSING THROUGH CHAMBER WALLS TO BE WRAPPED WITH "DENSLO ULTRAFLEX", OR EQUAL, APPROVED, TO WRAPPING TO BE 150mm TO 150mm BEHIND THE FACE OF THE WALL WITH MIN. 55% OVERLAPPING).
4. MINIMUM CLEARANCE BETWEEN ALL PIPEWORK AND REINFORCING STEEL TO BE 75mm
5. ALL BURTS, BUTTS AND JOINTS TO BE COATED WITH DENSLO MASTIC, IN ACCORDANCE WITH THE PROJECT SPECIFICATION.
6. FLANGES TO BE EN 1092-1/2007 TYPE 01, TABLE 14(FP/PS) FLANGES GREATER THAN DN50 & SMALLER 11232 TABLE 250/373 FOR FLANGES DN500 OR SMALLER.
7. DIMENSIONS TO BE CONFIRMED ON SITE PRIOR TO ORDERING.

CONCRETE:

8. ALL EXPOSED EDGES TO BE CHAMFERED 20 x 20
UNLESS OTHERWISE NOTED.
9. MINIMUM COVER TO ALL REINFORCING TO BE 40mm
UNLESS OTHERWISE NOTED.
10. CONCRETE GRADE:-
- | | | |
|---------------|---|-----------------|
| BUNDING | - | GRADE 15/19 MPa |
| BENCHING | - | GRADE 15/19 MPa |
| SLABS & WALLS | - | GRADE 30/19 MPa |

GENERAL:

11. ALL STEELWORK SHALL BE IN ACCORDANCE WITH SABS 0162 'THE STRUCTURAL USE OF STEEL'
12. MATERIAL SPECIFICATION LADDERS, OPENING FRAMES & COVERS AND PIPE SUPPORTS: MILD STEEL TO BS 4360 GR43.

PIPE SUPPORTS:

13. POSITION OF PIPE SUPPORTS AS INSTRUCTED BY ENGINEER ON SITE.

REV	DESCRIPTION	DATE	REV BY	CHK	
DESIGNED	M.N				
DRAWN	S.K				
CHECKED	N.M				

APPROVED : NATHI NDLOVU
PROJ. PRINCIPAL:
SIGNATURE :
DATE (DD/MM/YYYY):



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PROJECT/DRAWING TITLE

JOZINI REGIONAL COMMUNITY
WATER SUPPLY SCHEME
PHASE 1A-2
DN700 SMALL SCALE
ROUTE PLAN AND
LONGITUDINAL SECTION

SCALE AS SHOWN	SHEET 1 OF 1
CONTRACT No. SCMU 005/2021/2022	PROJECT No. MD1993

DRAWING No. MD1993-03-002 REV 