

GENERAL NOTES:

- DRAWINGS MUST NOT BE SCALED.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH THE GENERAL NOTES.
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LEGEND

- 600mm Ø STEEL PIPELINE
- EXISTING WATER PIPELINE
- EXISTING SEWER PIPELINE
- EXISTING ESKOM OVERHEAD CABLES
- EXISTING OFA CABLES
- NODES
- TEST PITS
- BOREHOLES
- ISOLATING VALVE
- AIR VALVE
- SCOUR VALVE

COORDINATES LIST FOR BULK WATER FEEDER PIPELINE WGS-84 LO-29

POINT	Y-COORD	X-COORD	INVERT LEVEL
P19	86509.358	2877748.529	1594.192
P20	86520.220	2877811.847	1593.594
P21	86550.748	2877870.406	1593.535
P22	86605.312	2877953.002	1593.511
P23	86668.684	2878030.363	1592.749
P24	86784.654	2878147.765	1588.501
P25	86815.282	2878170.892	1587.763
P26	86847.637	2878190.242	1587.067
P27	86866.346	2878190.606	1586.722
P28	86895.202	2878162.630	1585.943
P29	86929.525	2878197.963	1585.655
P30	86901.159	2878226.443	1584.968
P31	86900.810	2878243.302	1584.540
P32	86931.657	2878294.467	1582.476

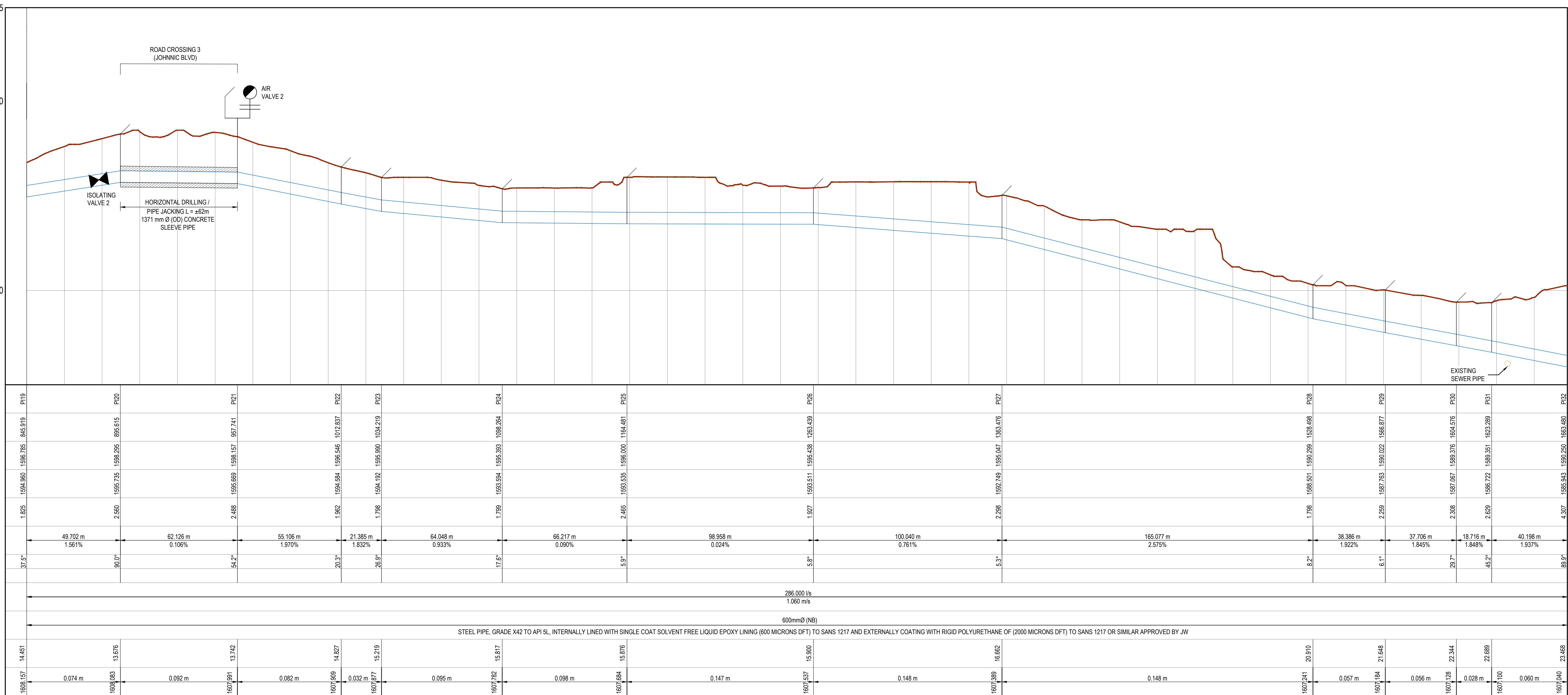
LEGEND

- NATURAL GROUND LEVEL (NGL)
- WATER PIPES
- PIPE JACKING / HORIZONTAL DRILLING
- PREFABRICATED BEND > 5°

SCALES:
Horizontal 1:1000
Vertical 1:100

DATUM 1585

PI
CHAINAGE (m)
GROUND LEVEL (m)
PIPE INVERT (m)
DEPTH TO INVERT (m)
PIPE LENGTH / SLOPE
CHANGE IN DIRECTION
PEAK FLOW / VELOCITY
PIPE SIZE / PIPE TYPE
STATIC PRESSURE (m)
HYDRAULIC GRADE (m) / HEAD LOSS



LONGSECTION: PI19 - PI32

NOTES:

- PIPE DESCRIPTION: 600mm Ø (NB) STEEL PIPE, GRADE X42 TO API 5L.
- REFER TO GEOTECHNICAL INVESTIGATION REPORT FOR DETAILED GEOTECHNICAL INFORMATION ALONG THE PIPELINE ROUTE.
- REFER TO DWG NO. 111242-0000-DRG-WW-0501 FOR TYPICAL AIR VALVE DETAIL.
- REFER TO DWG NO. 111242-0000-DRG-WW-0501 FOR TYPICAL ISOLATING VALVE DETAIL.
- REFER TO DWG NO. 111242-0000-DRG-WW-0502/0503 FOR TYPICAL SCOUR VALVE CHAMBER DETAIL.
- REFER TO DWG NO. 111242-0000-DRG-WW-0504 FOR TYPICAL DETAILS FOR TRENCH EXCAVATION AND BACKFILL.
- REFER TO DWG NO. 111242-0000-DRG-WW-0506 FOR TYPICAL PIPE JACKING DETAIL.
- EXISTING SERVICES LEVELS AND POSITIONS TO BE CONFIRMED ON SITE.

CONSULTING ENGINEERS

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JULY 2021

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JULY 2021

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HALFWAY HOUSE WATER UPGRADE

PLAN AND LONGSECTION:
SHEET 2 OF 10

APPROVAL BY JW DEPOT

CHECKED

APPROVED BY:

SIGNATURE

DATE

APPROVAL BY JW PLANNING

CHECKED

APPROVED BY:

SIGNATURE

DATE

SCALE

REV.

DESCRIPTION

DATE:

TO

ISSUED FOR TENDER

10/2021

AMENDMENTS

DRAWING No.

111242 - 0000-DRG-WW-0302 - T0

PROJECT No.

DRAWING No.

REV.

A0

SHEET

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OF

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ORIGINAL PAGE SIZE

FILE No.