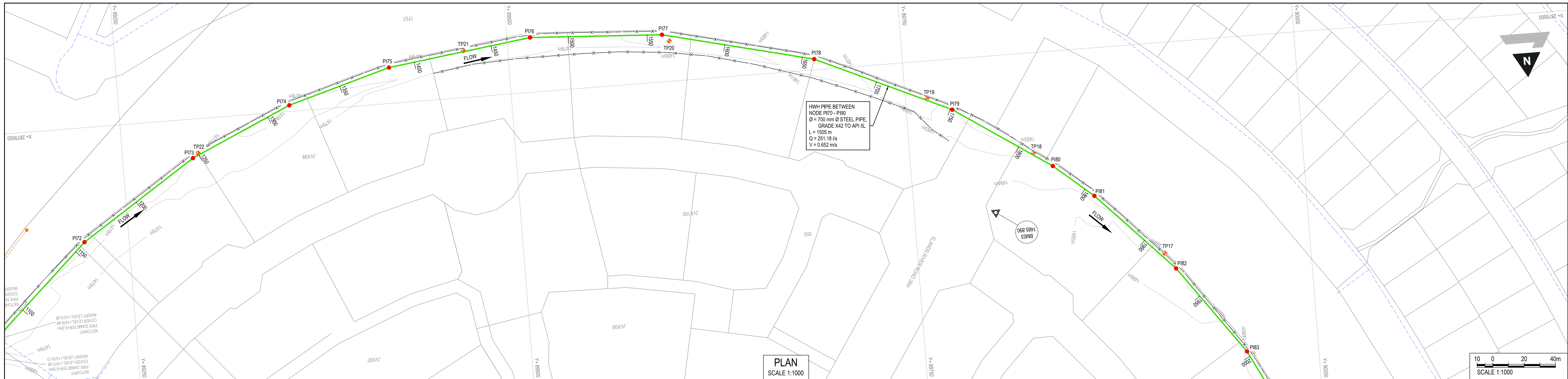




GENERAL NOTES:

1.

DRAWINGS MUST NOT BE SCALED.

2.

THIS DRAWING TO BE READ IN CONJUNCTION WITH THE GENERAL NOTES DRAWINGS AND ALL PROJECT SPECIFICATIONS.

3.

ACCORDING TO THE COPYRIGHT ACT (ACT No 98 OF 1978) NO PART OF THIS DOCUMENT MAY BE REPRODUCED, STORED IN A RETRIEVAL SYSTEM OR TRANSMITTED IN ANY FORM OR BY ANY MEANS WHATSOEVER INCLUDING MECHANICAL, ELECTRONIC, PHOTOCOPYING, MICROFILMING OR ANY OTHER SYSTEM OF INFORMATION STORAGE WITHOUT WRITTEN PERMISSION OF ZUTARI.

LEGEND

700mm Ø STEEL PIPELINE

EXISTING WATER PIPELINE

EXISTING SEWER PIPELINE

EXISTING ESKOM OVERHEAD CABLES

EXISTING DFA CABLES

NODES

TEST PITS

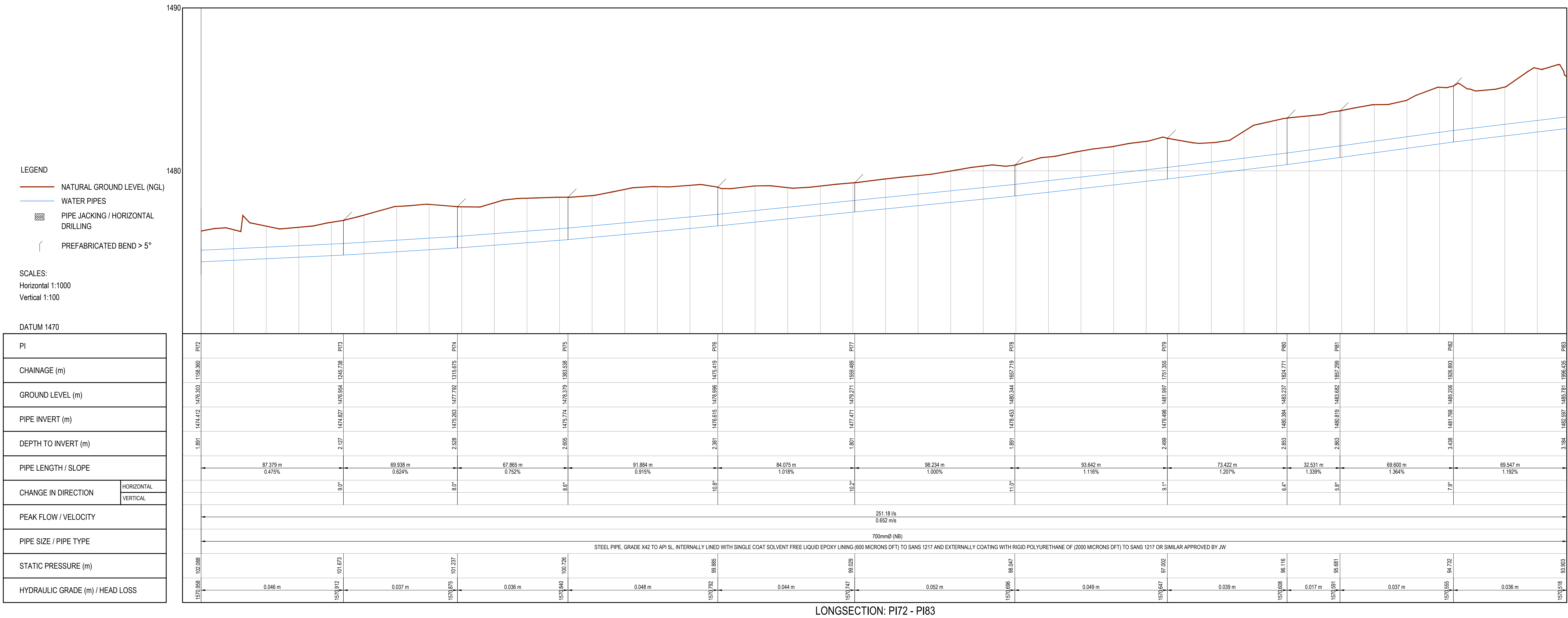
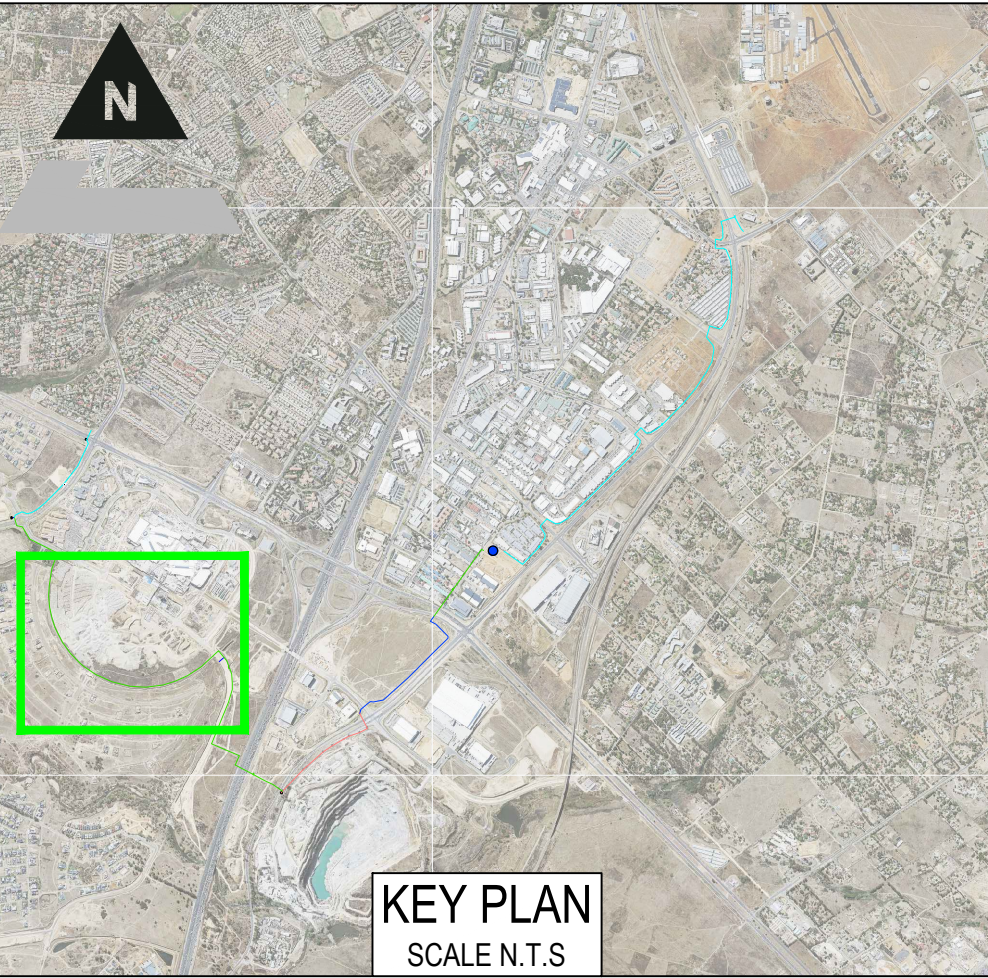
BOREHOLES

ISOLATING VALVE

AIR VALVE

SCOUR VALVE

COORDINATES LIST FOR BULK WATER SUPPLY PIPELINE WGS-84 LO-29			
POINT	Y-COORD	X-COORD	INVERT LEVEL
PI72	89221.660	2879427.352	1474.412
PI73	89294.746	2879475.241	1474.827
PI74	89358.538	2879503.907	1475.263
PI75	89423.717	2879522.805	1475.774
PI76	891514.810	2879534.809	1476.615
PI77	89598.739	2879529.935	1477.471
PI78	89694.213	2879506.832	1478.453
PI79	89779.332	2879467.813	1479.498
PI80	89840.369	2879427.015	1480.384
PI81	89865.219	2879406.026	1480.819
PI82	89913.495	2879355.999	1481.768
PI83	89954.372	2879299.639	1482.597



- NOTES:
1.

PIPE DESCRIPTION: 700mm Ø (NB) STEEL PIPE, GRADE X42 TO API 5L.
COATING: EXTERNALLY COATING WITH RIGID POLYURETHANE OF (2000 MICRONS DFT) TO SANS 1217 OR SIMILAR APPROVED BY JW.
LINING: INTERNALLY LINED WITH SINGLE COAT SOLVENT FREE LIQUID EPOXY LINING (800 MICRONS DFT) TO SANS 1217.
2.

REFER TO GEOTECHNICAL INVESTIGATION REPORT FOR DETAILED GEOTECHNICAL INFORMATION ALONG THE PIPELINE ROUTE.
3.

REFER TO DWG NO. 111242-0000-ORG-WW-0500 FOR TYPICAL AIR VALVE DETAIL.
4.

REFER TO DWG NO. 111242-0000-ORG-WW-0501 FOR TYPICAL ISOLATING VALVE DETAIL.
5.

REFER TO DWG NO. 111242-0000-ORG-WW-0502-0503 FOR TYPICAL SCOUR VALVE CHAMBER DETAIL.
6.

REFER TO DWG NO. 111242-0000-ORG-WW-0504 FOR TYPICAL DETAILS FOR TRENCH EXCAVATION AND BACKFILL.
7.

REFER TO DWG NO. 111242-0000-ORG-WW-0506 FOR TYPICAL PIPE JACKING DETAIL.
8.

EXISTING SERVICES LEVELS AND POSITIONS TO BE CONFIRMED ON SITE.

CONSULTING ENGINEERS

ZUTARI

IMPACT. ENGINEERED.

OXFORD CORNER
JELLODIE AVENUE
ROSEBANK, JOHANNESBURG
SOUTH AFRICA
TEL: +27 11 214 4500

CLIENT
17 HARRISON STREET
MARSHALLTOWN
2107

DESIGNED

T. SHABALALA

JULY 2021

DRAWN

T. SHABALALA

JULY 2021

CHECKED

M. LUSUNZI

JULY 2021

APPROVED BY:

C. KAN

JULY 2021

ECSA REG. No.

CHECKED BY:

ECSA REG. No.

SIGNATURE

DATE

SIGNATURE

DATE

Johannesburg Water

17 HARRISON STREET
MARSHALLTOWN
2107
TEL: (011) 688-1400
FAX: (011) 688-1529

Joburg

HALFWAY HOUSE WATER UPGRADE

PLAN AND LONGSECTION:
SHEET 8 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-0308 - TO

PROJECT No.

DRAWING No.

REV.

A0

SHEET

8

OF

10

ORIGINAL PAGE SIZE

FILE No.