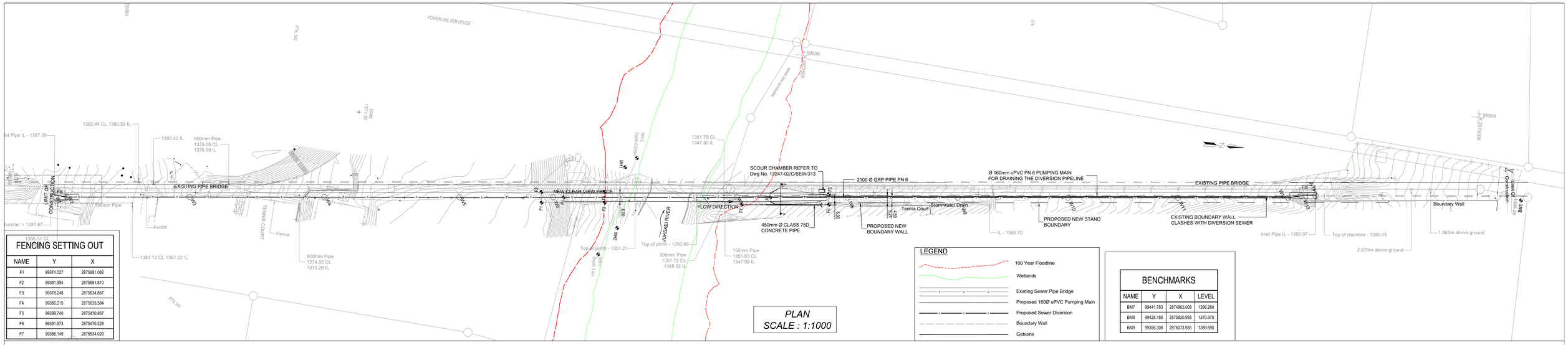


FENCING SETTING OUT

NAME	Y	X
F1	99374.027	2875681.082
F2	99381.994	2875681.810
F3	99378.248	2875634.857
F4	99386.215	2875635.584
F5	99399.740	2875470.937
F6	99391.973	2875470.228
F7	99386.149	2875534.029

LEGEND

- 100 Year Floodline
- Wetlands
- Existing Sewer Pipe Bridge
- Proposed 160Ø uPVC Pumping Main
- Proposed Sewer Diversion
- Boundary Wall
- Gabions

BENCHMARKS

NAME	Y	X	LEVEL
BM7	99441.763	2874963.009	1396.260
BM8	99428.186	2875820.938	1370.970
BM9	99356.308	2876073.935	1389.690

Pipe Data List

Node	-	Node	Length (m)	Dia. (mm)	MATERIAL	CLASS
Bridge 3						
W1	-	W2	9.12	2100	GRP PIPE	PN 6
W2	-	W3	90.41	2100	GRP PIPE	PN 6
W3	-	W4	99.41	2100	GRP PIPE	PN 6
W4	-	W5	99.41	2100	GRP PIPE	PN 6
W5	-	W6	68.79	2100	GRP PIPE	PN 6
W6	-	W7	135.81	2100	GRP PIPE	PN 6
W7	-	W8	81.13	2100	GRP PIPE	PN 6
W8	-	W9	81.13	2100	GRP PIPE	PN 6
W9	-	W10	81.13	2100	GRP PIPE	PN 6
W10	-	W11	81.13	2100	GRP PIPE	PN 6
W11	-	W12	81.13	2100	GRP PIPE	PN 6
W12	-	W13	9.60	2100	GRP PIPE	PN 6
W13	-	W14	10.75	2100	GRP PIPE	PN 6

PIPE MATERIAL LIST

Diameter (mm)	Class	Length (m)
GRP PIPE		
2100	PN 6	930.18
Total length :		930.18

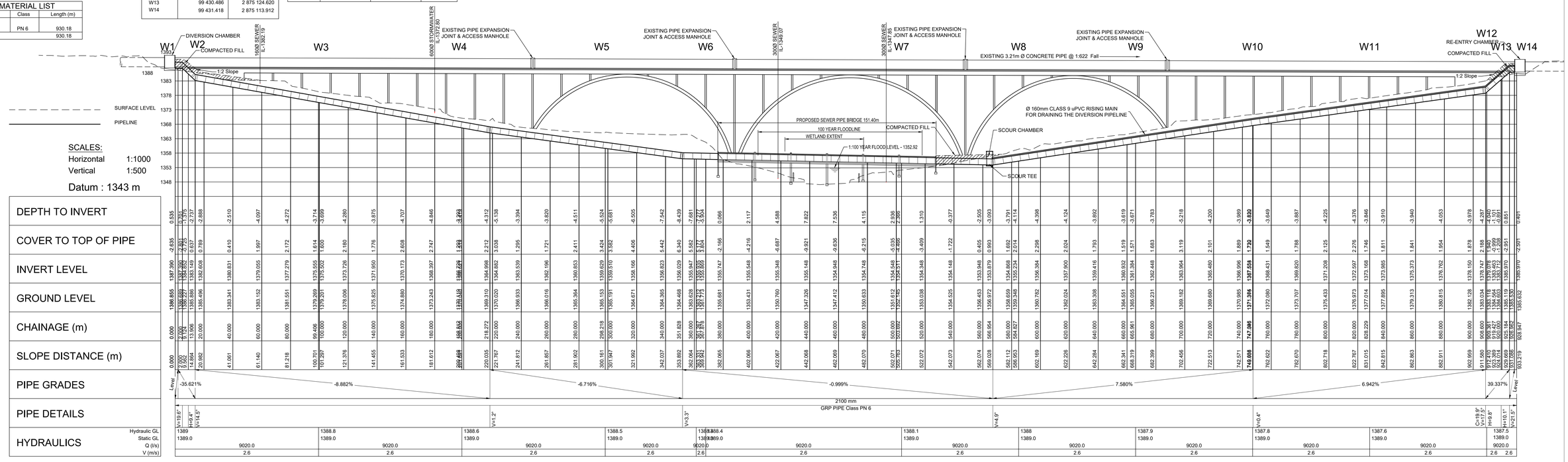
Coordinate List

Lo 29

Node	YLo	XLo
Const:		
Bridge 3		
W1	99 346.808	2 876 038.733
W2	99 346.137	2 876 029.634
W3	99 354.376	2 875 939.604
W4	99 363.438	2 875 840.612
W5	99 372.499	2 875 741.620
W6	99 378.770	2 875 673.117
W7	99 391.119	2 875 537.880
W8	99 398.495	2 875 457.082
W9	99 405.870	2 875 376.284
W10	99 413.245	2 875 295.485
W11	99 420.621	2 875 214.687
W12	99 427.996	2 875 133.891
W13	99 430.486	2 875 124.620
W14	99 431.418	2 875 113.912

Pipe Bends Schedule (>3.0 Deg)

CH	Diameter1 (mm)	Diameter2 (mm)	Angle (Deg)
2.000	2100	2100	19.6
9.124	2100	2100	9.4
13.906	2100	2100	14.5
351.828	2100	2100	3.3
566.954	2100	2100	4.9
908.600	2100	2100	17.5
908.614	2100	2100	19.9
918.214	2100	2100	10.1
926.962	2100	2100	21.5



Bridge 3

DESIGNED	G.C	17/05/2018	
DRAWN	G.C	17/05/2018	
CHECKED	B.B.D	31/05/2018	
APPROVED BY:	SIGNATURE	DATE	
ECSA REG. No.	990087		
CHECKED BY:	B.B.D		
	SIGNATURE	DATE	

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Joburg

DIEPSLOOT SEWAGE ACQUEDUCT
BRIDGE 3

PLAN AND PROFILE
SEWER DIVERSION PIPELINE

SURVEY INFORMATION		APPROVAL BY JW DEPOT			SCALE
PROJECT SURVEYOR:		CHECKED			1:1000
		APPROVED BY:			
DATE:			SIGNATURE	DATE	
CCTV INFORMATION		APPROVAL BY JW PLANNING			
CCTV COMPANY:		CHECKED			
		APPROVED BY:			
DATE:			SIGNATURE	DATE	

REV:	DESCRIPTION	DATE:
A	ISSUED FOR PDR	02/07/2015
B	ISSUED FOR DDR	31/08/2015
C	ISSUED FOR DDR REV1	31/06/2018
D	ISSUED FOR TENDER	30/09/2024

CONSULTANTS DWG NO
13247-02/C/SEW/302-D

DRAWING No.

PROJECT No.	DRAWING No.	REV.
JW14455		D

ORIGINAL PAGE SIZE: A0 — SHEET 1 OF 1

FILE No.