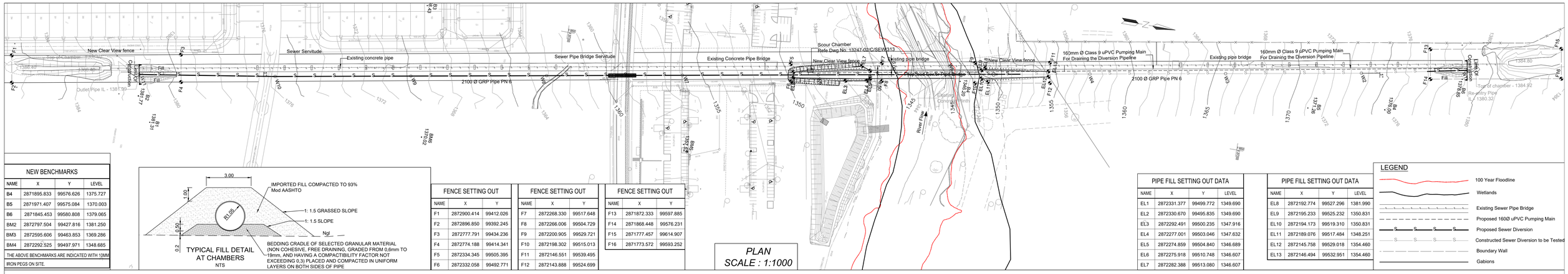


NEW BENCHMARKS

NAME	X	Y	LEVEL
B4	2871895.833	99576.626	1375.727
B5	2871971.407	99575.084	1370.003
B6	2871845.453	99580.808	1379.065
BM2	2872797.504	99427.816	1381.250
BM3	2872595.606	99463.853	1369.286
BM4	2872292.525	99497.971	1348.685

THE ABOVE BENCHMARKS ARE INDICATED WITH 10MM IRON PEGS ON SITE.

TYPICAL FILL DETAIL AT CHAMBERS
NTS

FENCE SETTING OUT

NAME	X	Y
F1	2872900.414	99412.026
F2	2872896.850	99392.245
F3	2872777.791	99434.236
F4	2872774.188	99414.341
F5	2872334.345	99505.395
F6	2872332.058	99492.771

FENCE SETTING OUT

NAME	X	Y
F7	2872268.330	99517.648
F8	2872266.006	99504.729
F9	2872200.905	99529.721
F10	2872198.302	99515.013
F11	2872146.551	99539.495
F12	2872143.888	99524.699

FENCE SETTING OUT

NAME	X	Y
F13	2871872.333	99597.885
F14	2871868.448	99576.231
F15	2871777.457	99614.907
F16	2871773.572	99593.252

PLAN
SCALE : 1:1000

PIPE FILL SETTING OUT DATA

NAME	X	Y	LEVEL
EL1	2872331.377	99499.772	1349.690
EL2	2872330.670	99495.835	1349.690
EL3	2872292.491	99500.235	1347.916
EL4	2872277.001	99503.046	1347.632
EL5	2872274.859	99504.840	1346.689
EL6	2872275.918	99510.748	1346.607
EL7	2872282.388	99513.080	1346.607

PIPE FILL SETTING OUT DATA

NAME	X	Y	LEVEL
EL8	2872192.774	99527.296	1381.990
EL9	2872195.233	99525.232	1350.831
EL10	2872194.173	99519.310	1350.831
EL11	2872189.076	99517.484	1348.251
EL12	2872145.758	99529.018	1354.460
EL13	2872146.494	99532.951	1354.460

LEGEND

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

PIPE MATERIAL LIST

Diameter (mm)	Class	Length (m)
GRP 2100	PN 6	977.83
Total length :		977.83

Coordinate List

Lo 29

Bridge 2

Node	YLo	XLo
Const:		
W1	99 587.303	2 871 842.986
W2	99 571.688	2 871 919.253
W3	99 554.029	2 872 017.682
W4	99 536.370	2 872 116.110
W5	99 518.711	2 872 214.539
W6	99 501.052	2 872 312.967
W7	99 483.393	2 872 411.395
W8	99 465.741	2 872 509.825
W9	99 448.075	2 872 608.254
W10	99 430.417	2 872 706.681
W11	99 414.500	2 872 805.422

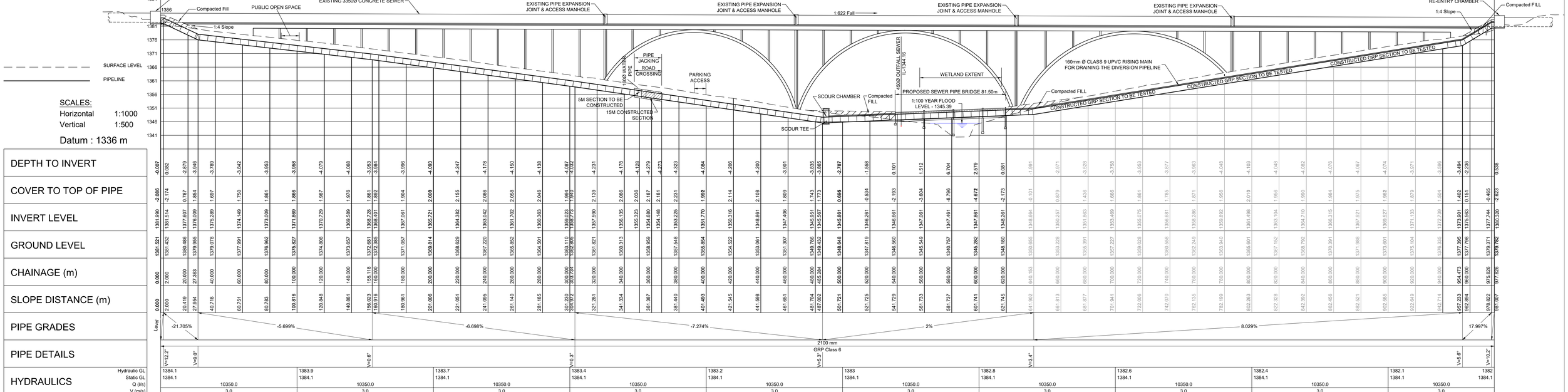
Pipe Bends Schedule (>3.0 Deg)

CH	Diameter1 (mm)	Diameter2 (mm)	Angle (Deg)
2.000	2100	2100	12.2
27.363	2100	2100	9.0
485.284	2100	2100	5.3
640.153	2100	2100	3.4
954.473	2100	2100	5.6
975.826	2100	2100	10.2

Pipe Data List

Node		Node	Length (m)	Dia. (mm)	MATERIAL	CLASS
bridge 2						
W1	-	W2	77.83	2100	GRP	PN 6
W2	-	W3	100.00	2100	GRP	PN 6
W3	-	W4	100.00	2100	GRP	PN 6
W4	-	W5	100.00	2100	GRP	PN 6
W5	-	W6	100.00	2100	GRP	PN 6
W6	-	W7	100.00	2100	GRP	PN 6
W7	-	W8	100.00	2100	GRP	PN 6
W8	-	W9	100.00	2100	GRP	PN 6
W9	-	W10	100.00	2100	GRP	PN 6
W10	-	W11	100.00	2100	GRP	PN 6

CONSTRUCTED GRP SECTION TO BE TESTED



Bridge 2

CONSULTANTS DWG NO
13247-02/C/SEW/301-05

DRAWING No.

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 2

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:
01	FOR CONSTRUCTION	13/09/2022
02	NEW BENCHMARKS	13/03/2023
03	NEW PIPELINE SETTING OUT	27/03/2023
04	EXISTING BRGE ELEV. INCLUD.	20/07/2024
05	FOR TENDER	30/09/2024

JW14455 PROJECT No. | – | 05 DRAWING No. / REV.

A0 ORIGINAL PAGE SIZE | SHEET 1 OF 1

FILE No.