

- GENERAL NOTES:**
- THE FINAL POSITION OF THE PUMP STATION BUILDING IS SUBJECT TO CHANGE AND WILL BE CONFIRMED BY THE ENGINEER AND EMPLOYER.
  - THE PIPE ROUTE SETTING OUT IS NOT FINAL AND CIRCUMSTANCES ON SITE MAY INFLUENCE THE ALIGNMENT. ANY SUCH REQUIRED DEVIATIONS MUST BE APPROVED BY THE ENGINEERS REPRESENTATIVE ON SITE.
- WATER NOTES:**
- ALL STRUCTURE COVER LEVELS:
  - 1.1 IN ROAD RESERVE: TO TIE IN WITH ROAD RESERVE PRISM LEVELS AND CAMBERS.
  - 1.2 OUTSIDE ROAD RESERVE: 100mm HIGHER THAN FINISHED GROUND LEVELS.
  - 1.3 MINIMUM COVER ON PIPE TO BE 1000mm.
  2. WHERE THE PROPOSED WATER SYSTEM CROSSES OR CONNECTS TO EXISTING SERVICES ALL LEVELS AND CONNECTION POINTS MUST BE CONFIRMED WITH THE ENGINEER 2 WEEKS PRIOR TO WORK COMMENCING.
  3. FINAL POSITION OF PIPE TO BE APPROVED BY ENGINEER ON SITE.
  4. THE LOCAL AUTHORITY TO BE NOTIFIED IN ADVANCE OF CONNECTIONS TO THE EXISTING WATER RETICULATION. A LOCAL AUTHORITY REPRESENTATIVE TO BE PRESENT WHEN CONNECTING TO THE EXISTING WATER MAIN SYSTEM.
  5. ALL MATERIAL, WORKMANSHIP AND TESTING SHALL BE IN COMPLIANCE WITH SABS 1200.

**PROPOSED 500mm Ø RISING AND GRAVITY MAIN LAYOUT**  
1:1000

**PUMP STATION SETTING OUT DATA**

Point Name	Y-COORDINATE	X-COORDINATE
PS 1	-52488.618	-3764921.628
PS 2	-52494.739	-3764925.531
PS 3	-52492.508	-3764929.030
PS 4	-52499.978	-3764933.794
PS 5	-52495.860	-3764940.252
PS 6	-52482.268	-3764931.586

**MECHANICAL PIPES SETTING OUT DATA**

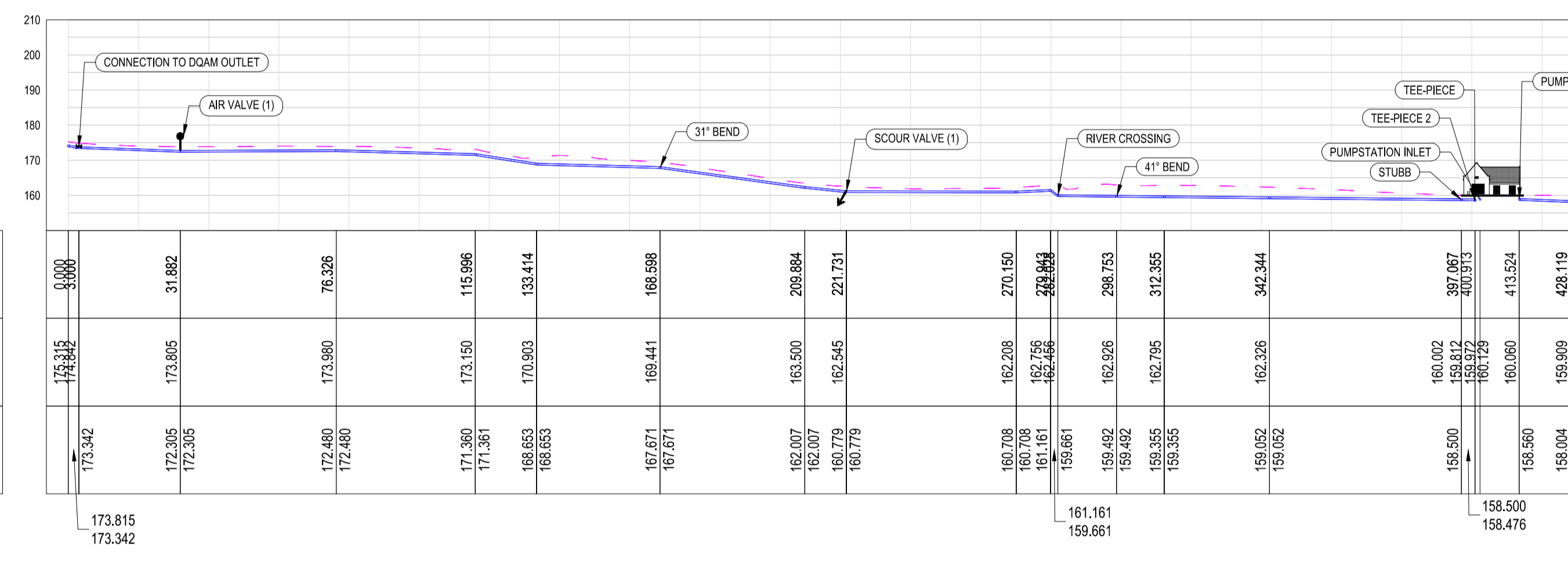
Point Name	Y-COORDINATE	X-COORDINATE
MP 1	-52490.322	-3764921.386
MP 2	-52495.408	-3764920.261
MP 3	-52494.183	-3764918.908
MP 4	-52488.525	-3764920.160
MP 5	-52504.593	-3764916.214
MP 6	-52497.912	-3764912.724

**FENCE SETTING OUT DATA**

Point Name	Y-COORDINATE	X-COORDINATE
F 1	-52488.160	-3764919.557
F 2	-52496.810	-3764925.073
F 3	-52501.527	-3764933.002
F 4	-52496.065	-3764941.569
F 5	-52480.466	-3764931.622

SCALES:  
Horizontal 1:1250  
Vertical 1:1250

DATUM 150.000



**500mm PIPE CENTER LINE SETTING OUT DATA WGS84 L<sub>019</sub>**

SEGMENT	SV	Y	X	DETAILS
L124	0.000	-3764572.061	-52359.642	L=3.000
L125	3.000	-3764573.357	-52356.936	L=28.882
L126	31.882	-3764599.405	-52369.412	L=44.444
L127	76.326	-3764639.367	-52388.862	L=39.670
L128	115.996	-3764674.539	-52407.210	L=17.418
L129	133.414	-3764689.690	-52415.803	L=35.184
L130	168.598	-3764722.288	-52429.043	L=53.134
L131	221.731	-3764774.691	-52420.264	L=48.418
L151	270.150	-3764822.921	-52415.993	L=9.794
L152	279.943	-3764832.710	-52415.719	L=2.075

**500mm PIPE CENTER LINE SETTING OUT DATA WGS84 L<sub>019</sub>**

SEGMENT	SV	Y	X	DETAILS
L153	282.018	-3764834.784	-52415.661	L=16.736
L132	298.753	-3764851.502	-52416.439	L=13.602
L133	312.355	-3764860.746	-52426.416	L=29.989
L134	342.344	-3764878.939	-52450.258	L=54.722
L149	397.067	-3764906.748	-52497.387	L=3.822
L150	400.888	-3764908.841	-52500.585	L=1.462

**LEGEND**

Ø500mm CLASS 12 UPVC PIPE

EXISTING WATERMANS

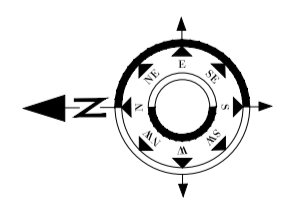
Ø500mm CONNECTION (AS PER REFERENCED DETAIL)

Ø500mm SCOUR VALVE (AS PER DETAIL)

Ø500mm AIR VALVE (AS PER DETAIL)

**Control Points (WGS84)**

#	Name	Y Coordinate	X Coordinate	Elevation (msl)	Description
49A4	+52 394.810	+3 766 484.410	154.371	TOWN SURVEY MARK	
52A4	+51 978.590	+3 765 870.520	168.493	TOWN SURVEY MARK	
P1	+52 333.802	+3 765 512.621	200.981	12MM IRON PEG IN TAR	
P2	+52 317.234	+3 765 546.012	199.034	12MM IRON PEG IN TAR	
P2A	+52 417.945	+3 764 840.667	161.819	DRILLHOLE	
P3	+52 358.635	+3 764 570.684	175.485	CORNER OF LID	



Project: SWELLENDAM (RAILTON) UPGRADING OF RAW WATER SUPPLY (GRAVITY & RISING MAIN) AND PUMP STATION BUILDING

Plan Description: PROPOSED Ø500mm GRAVITY AND RISING MAIN LAYOUT OF WORKS

Name	Signature	Scale
Designed: WFB		AS SHOWN
Drawn: WFB		Contract No. 2103311-2
Checked: JS		Drawing No. 2103311-2/C/103
Approved: JS		Revision 0
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Rev.	Date	Description	Rev. by
0	23/10/2023	FOR CONSTRUCTION	RB

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