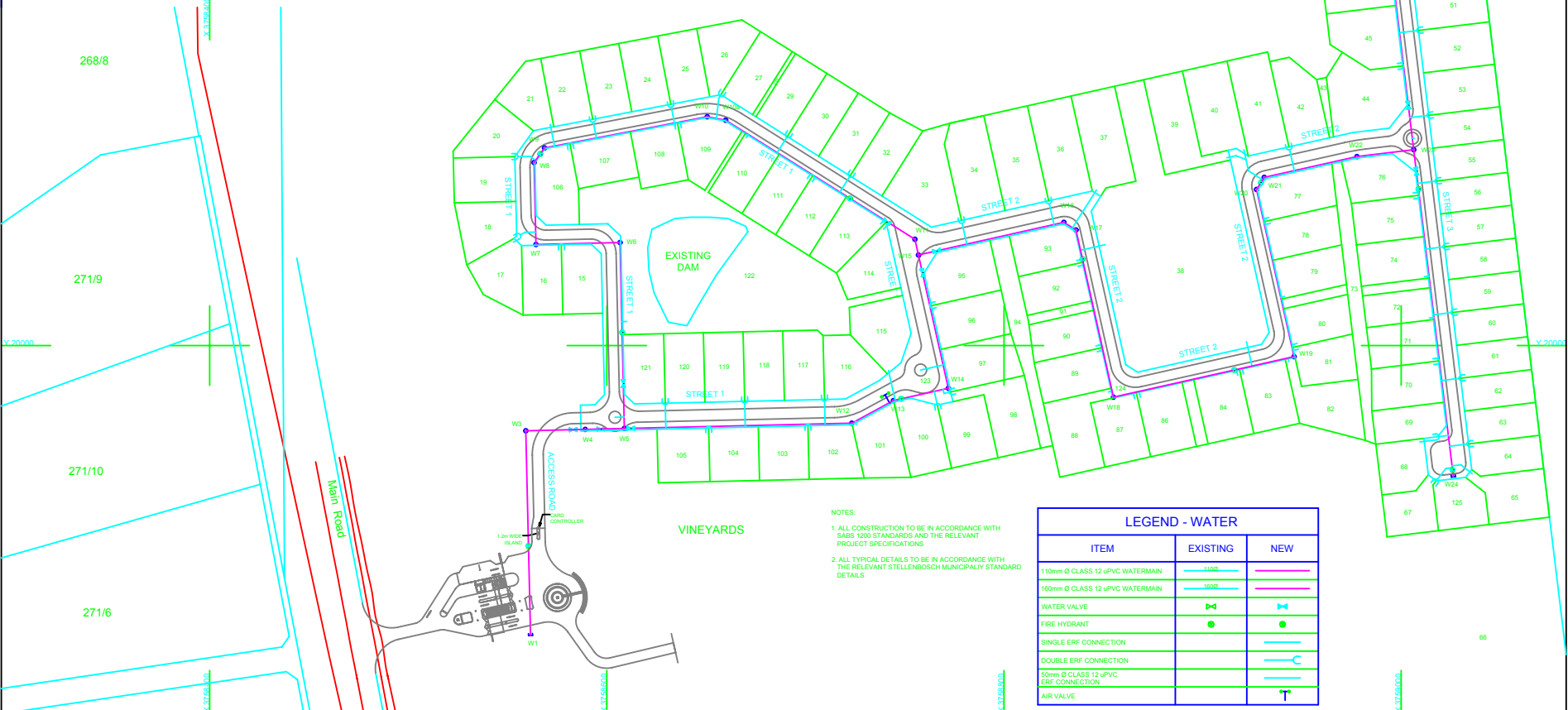


SETTING OUT DETAIL FOR WATERMAIN

POINT No.	COORDINATE : Lo19°WG584		TYPE
	Y	X	
W1	20448.012	3758591.590	1100 X END CAP
W2	20448.216	3758592.944	1100 X END CAP
W3	20442.910	3758595.198	1100 X 90° BEND
W4	20442.221	3758599.108	1100 X 45° BEND
W5	20441.762	3758608.815	1100 X 1100 TEE
W6	19844.137	3758605.034	1100 X 90° BEND
W7	19840.123	3758594.305	1100 X 90° BEND
W8	19837.849	3758593.344	1100 X 11.25° + 22.5° BEND
W9	19800.510	3758588.805	1100 X 45° BEND
W10	19864.794	3758590.534	1100 X 22.5° BEND
W10B	19869.522	3758599.807	1100 X 22.5° BEND
W11	19845.485	3758755.197	1100 X 45° BEND
W12	20039.094	3758723.397	1100 X 22.5° BEND
W13	20027.709	3758744.298	1100 X 11.25° BEND
W14	20021.929	3758771.865	1100 X 90° BEND
W15	19854.369	3758756.910	1100 X 1100 TEE
W16	19837.259	3758830.150	1100 X 45° BEND
W17	19841.810	3758836.230	1100 X 45° BEND
W18	20029.979	3758869.112	1100 X 90° BEND
W19	20005.578	3758946.052	1100 X 90° BEND
W20	19821.409	3758927.170	1100 X 45° BEND
W21	19845.525	3758931.021	1100 X 45° BEND
W22	19804.828	3758977.757	1100 X 45° BEND
W23	19801.389	3759006.305	1100 X 1100 TEE
W24	20065.109	3759028.283	1100 X END GAP
W25	19768.989	3758992.317	1100 X END GAP

REMAINDER FARM 393/11
LONGLANDS
(65.6ha)

VINEYARDS



- NOTES:
1. ALL CONSTRUCTION TO BE IN ACCORDANCE WITH SABS 1020 STANDARDS AND THE RELEVANT PROJECT SPECIFICATIONS.
 2. ALL TYPICAL DETAILS TO BE IN ACCORDANCE WITH THE RELEVANT STELLENBOSCH MUNICIPALITY STANDARD DETAILS.

LEGEND - WATER		
ITEM	EXISTING	NEW
110mm Ø CLASS 12 uPVC WATERMAIN		
160mm Ø CLASS 12 uPVC WATERMAIN		
WATER VALVE		
FIRE HYDRANT		
SINGLE ERF CONNECTION		
DOUBLE ERF CONNECTION		
50mm Ø CLASS 12 uPVC ERF CONNECTION		
AIR VALVE		

Amendment		Description	
No.	Date	Checked	Done By
1	01/01/09	EDW	EDW
2	02/02/09	EDW	EDW
3	03/03/09	EDW	EDW
4	04/04/09	EDW	EDW
5	05/05/09	EDW	EDW

SCALE FOR REDUCED PLAN

Notes

Designed: A.A.
Drawn: EDW
Checked: []

Consulting Engineer: Pi Eng
Date: []

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Client: LONGLANDS HOLDINGS (Pty) Ltd

Project: CIVIL ENGINEERING SERVICES FOR LONGLANDS COUNTRY ESTATE

Drawing description: WATER LAYOUT

Scale: 1:1000
Date: MAY 2009
Drawing number: 20815BKS0/04