



NO.	SYMBOL	ANGLE	INSIDE	OUTSIDE
1	R	Δ = 27°30'	87.40	127.40
	T		56.57	77.57
	L		127.57	148.55
2	R	Δ = 27°30'	87.40	127.40
	T		56.57	77.57
	L		127.57	148.55
2-A	R	Δ = 27°30'	87.40	127.40
	T		56.57	77.57
	L		127.57	148.55
3	R	Δ = 27°30'	87.40	127.40
	T		56.57	77.57
	L		127.57	148.55
3-A	R	Δ = 27°30'	87.40	127.40
	T		56.57	77.57
	L		127.57	148.55
4	R	Δ = 27°30'	87.40	127.40
	T		56.57	77.57
	L		127.57	148.55
5	R	Δ = 27°30'	87.40	127.40
	T		56.57	77.57
	L		127.57	148.55
6	R	Δ = 27°30'	87.40	127.40
	T		56.57	77.57
	L		127.57	148.55
6A	R	Δ = 27°30'	87.40	127.40
	T		56.57	77.57
	L		127.57	148.55
7	R	Δ = 40°01'20"	109.67	134.67
	T		17.94	27.02
	L		76.61	94.07
7A	R	Δ = 32°03'40"	109.67	134.67
	T		32.67	41.75
	L		61.98	76.02
8	R	Δ = 65°54'	46.28	58.08
	T		30.08	37.23
	L		53.23	66.31
9	R	Δ = 17°06'40"	490.29	490.29
	T		66.24	70.00
	L		131.43	138.96
10	R	Δ = 45°00'	143.99	158.99
	T		53.64	70.00
	L		113.09	132.72
11	R	Δ = 45°00'	143.99	158.99
	T		53.64	70.00
	L		113.09	132.72
11-A	R	Δ = 41°39'20"	133.99	133.99
	T		73.62	73.62
	L		140.75	140.75
12	R	Δ = 9°12'45"	594.47	618.47
	T		47.98	50.00
	L		95.76	99.78
12A	R	Δ = 2°47'43"	594.47	594.47
	T		14.47	14.47
	L		28.77	28.77
12B	R	Δ = 5°31'38"	594.47	594.47
	T		16.70	16.70
	L		31.99	31.99
13	R	Δ = 25°52'10"	428.95	453.95
	T		52.51	104.26
	L		183.67	204.96
14	R	Δ = 25°52'10"	428.95	453.95
	T		94.26	100.00
	L		785.30	786.59

NO.	SYMBOL	ANGLE	INSIDE	OUTSIDE
15	R	Δ = 35°00'	500.72	500.72
	T		100.00	100.00
	L		110.00	110.00
16	R	Δ = 35°00'	500.72	500.72
	T		100.00	100.00
	L		110.00	110.00
17	R	Δ = 35°00'	500.72	500.72
	T		100.00	100.00
	L		110.00	110.00
18	R	Δ = 35°00'	500.72	500.72
	T		100.00	100.00
	L		110.00	110.00
19	R	Δ = 35°00'	500.72	500.72
	T		100.00	100.00
	L		110.00	110.00
20	R	Δ = 35°00'	500.72	500.72
	T		100.00	100.00
	L		110.00	110.00
21	R	Δ = 35°00'	500.72	500.72
	T		100.00	100.00
	L		110.00	110.00
22	R	Δ = 35°00'	500.72	500.72
	T		100.00	100.00
	L		110.00	110.00

- GENERAL NOTES:**
- All water mains in this subdivision shall be bell and steel type cast iron pipe AWWA Specification or Federal Specification R.M.P. - 221B.
  - All sanitary sewer pipes shall be Ductile Iron, or equal to the pipe.
  - Sanitary sewer stub-outs shall be placed to serve all lots in the subdivision.
  - 3/4" Type K Cooper Services, including corporation and curb cocks shall be placed to serve all lots in the subdivision.
  - All water mains shall have a minimum cover of 42" below approved street grade or as required to clear other utilities.
  - All water lines shall pass a four hour pressure test to be made by the contractor.
  - The contractor will be required to chlorinate all water lines in accordance with State Health Department requirements.
  - Washed pea gravel or crushed rock embedment will be required for all Sanitary Sewer lines.
  - Fire hydrants - breakable type, A.W.W.A. specification C-302-53, 2-1/2" nos. nozzles, 1-4" I.D. Pumper nozzle. All hydrants to open by turning to the left. Manufacturer to be approved by the City of Rockwall.
  - Valves - A.W.W.A. Specification C-300-52-T. All gate valves to be hub-end, iron bronze mounted, double disc, quartered 150 lb. working pressure, all to open by turning to the left, and be approved by the City of Rockwall.
  - All water and sanitary sewer mains will be located back of the street curb 7ft. out from the property line, except as shown on this plan.
  - Manholes - All manholes in earth excavation, diameter of the base shall be not less than 6'6", and the base shall be poured in full width of the excavation. Concrete challe shall be provided for influent and effluent piping until footing on undisturbed soil is maintained.
  - Precast manholes may be used as an option, if approved by the City of Rockwall and its Consulting Engineers.
  - All water lines shall pass a four hour pressure test to be made by the contractor. Maximum leakage shall be a minimum of 50 gal. per inch of pipe diameter per mile of pipe in 24 hours.
  - Angle stops for water services shall be provided at a minimum 12 inches below finished grade with end turned up.
  - Class 3 CR embedment is 3" min. Crushed Rock or pea gravel around the bottom of bell at an angle of 37° each way 2' ± with a continuing granular material to a depth of 12" to the pipe.

WATER & SANITARY SEWER  
 RIDGE ROAD VILLAGE ADDITION  
 INSTALLMENTS 3 & 4  
 JOE R. JOHN - ENGINEER  
 CITY OF ROCKWALL

DESIGN	DRAWN	DATE	SCALE	NOTES