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NO.	ANGLE	RADIUS	TANGENT	LENGTH
1	5° 06' 31"	1259.51	34.18	68.34
2	12° 41' 11"	1259.51	140.01	278.88
3	5° 01' 36"	1259.51	55.29	110.50
4	11° 03' 07"	371.24	35.92	71.61
5	106° 45' 02"	75	100.90	139.74
6	15° 57' 09"	1551.01	217.33	431.84
7	4° 53' 00"	1551.01	66.14	132.19
8	34° 16' 08"	257.23	74.30	153.85
9	21° 28' 23"	230.38	42.99	85

**GENERAL NOTES**

- All sewer lines shall be vitrified clay sewer pipe.
- All joints shall be closed with rubber gaskets complying with ASTM specifications.
- Sewer service line shall be laid to each lot and shall be vitrified clay sewer pipe having a minimum diameter of four (4) inches and extended two (2) joints inside property.
- Where existing sanitary sewer crosses within 9' of water line, sanitary sewer must be encased in concrete.
- Water mains shall be cast iron pipe complying with current AWWA specifications and shall have a minimum cover of thirty-six (36) inches.
- All construction shall be performed in accordance with standard specifications and ordinances of the city of Rockwall Texas and with specifications prepared for Stonebridge Meadows Phase III by Threadgill-Dowdey and Associates Consulting Engineers.
- Locations of all existing facilities, i.e. pipelines, cables, electricity, telephone, etc., shall be verified in the field by the contractor. It shall be the responsibility of the contractor to notify the proper agencies prior to construction.
- Where proposed sanitary sewer crosses within 9' of water line, sanitary sewer will be constructed of cast iron or P.V.C. with rubber gasket joints.

NOTE: All water services to be 1" in dia. and installed in accordance to the City of Rockwall ordinances and specifications.

ESTIMATES		
Material	Quantity	Unit
6" V.C.T.	1995	L.F.
4" Dia. M.H.	6	Ea.
C.O.	3	Ea.
Services	51	Ea.
Gravel Embedment	821	Cu. Yd.
6" C.I.	1767	L.F.
6" 6" Tee	4	Ea.
6" Gate Valve	6	Ea.
F.H.	2	Ea.
8" x 6" Cross	1	Ea.
6" Plug	2	Ea.
Services	39	Ea.

**" AS BUILT "**

**WATER & SANITARY SEWER  
STONEBRIDGE MEADOWS  
PHASE THREE  
ROCKWALL, TEXAS**

**THREADGILL-DOWDEY and ASSOCIATES  
CONSULTING ENGINEERS  
DALLAS, TEXAS**

DESIGN	DRAWN	CHECKED	DATE	SCALE	JOB	SHEET
A.R.W.	R.E.	J.C.H.	6-77	1/4" = 1'-0"	ATB-E	1/2