

NOTE:  
 ALL WATER LINES TO BE CLASS 200 PIPE SDR 14.  
 ALL SANITARY SEWER PIPE TO BE SDR 35 FOR 5'-10' DEEP AND SDR 26 FOR 10' AND GREATER.  
 INSTALL BLUE "EMS" DISK ON WATER LINE AT EVERY 250' AND CHANGE IN DIRECTION, VALVE, AND SERVICE.  
 INSTALL GREEN "EMS" DISK ON SANITARY SEWER LINE EVERY 250' AND AT EVERY CHANGE IN DIRECTION, MANHOLE, CLEANOUT, AND SERVICE.  
 ALL MANHOLES TO BE RAVEN EPOXY LINED AND SEALED.

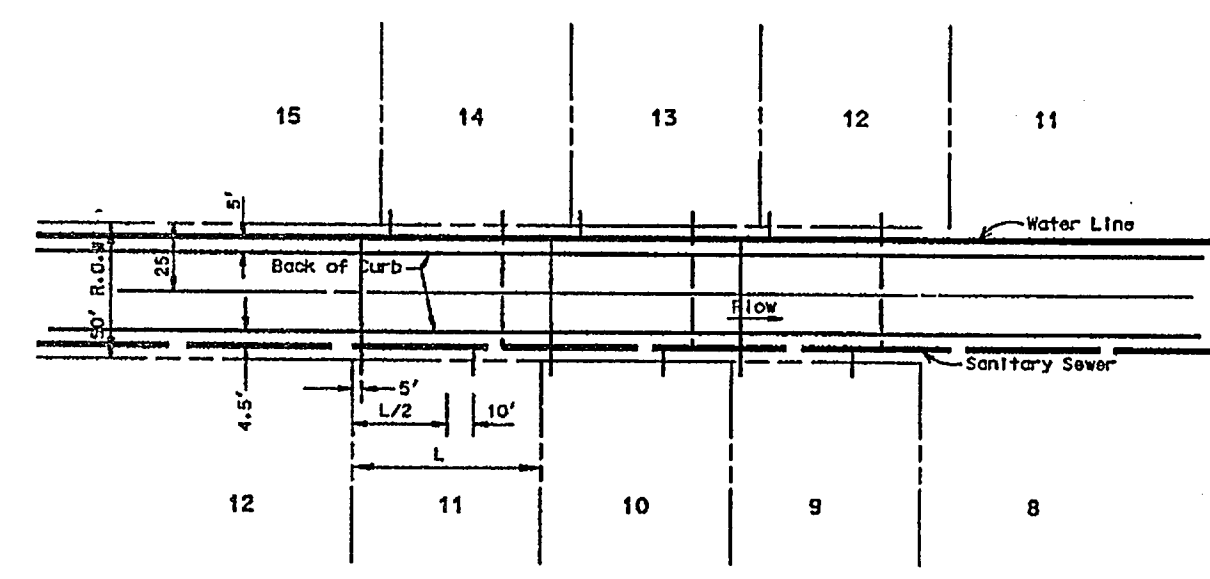
**LEGEND**

- PROP. WATER LINE
- PROP. FIRE HYDRANT AND VALVE
- PROP. GATE VALVE
- PROP. FLUSH VALVE
- EXIST. WATER LINE
- EXIST. FIRE HYDRANT AND VALVE
- PROP. SANITARY SEWER
- PROP. MANHOLE
- PROP. CLEANOUT
- EXIST. SANITARY SEWER
- EXIST. MANHOLE
- PROP. STORM SEWER
- PROP. CURB AND GUTTER
- PROP. CONC. RETENTION WALL

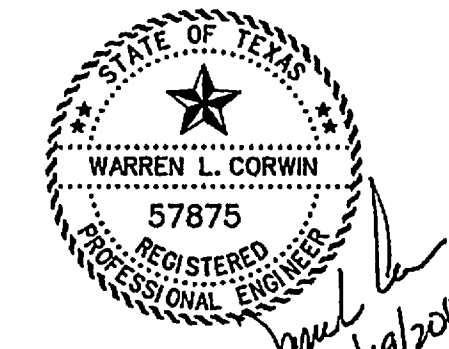
**SANITARY SEWER CURVE TABLE**

CURVE NO.	DELTA	RADIUS	LENGTH	TANGENT
1.	08°56'34"	4937.00'	770.58'	386.08'
2.	02°48'29"	1563.00'	76.61'	38.31'
3.	22°32'30"	250.00'	98.36'	49.82'
4.	03°01'53"	1585.00'	83.86'	41.94'
5.	19°58'05"	250.00'	87.13'	44.01'
6.	14°33'50"	250.00'	63.55'	31.95'
7.	23°49'49"	1563.00'	650.06'	329.81'
8.	14°14'48"	379.50'	94.36'	47.43'
9.	30°44'48"	594.50'	319.03'	163.45'
10.	18°21'07"	594.50'	190.42'	96.03'
11.	49°05'54"	245.50'	210.38'	112.14'
12.	16°05'23"	535.50'	150.38'	75.69'
13.	33°00'31"	535.50'	308.51'	158.67'
14.	24°41'57"	245.50'	110.12'	56.00'
15.	36°01'55"	304.50'	191.49'	99.03'
16.	13°03'59"	304.50'	69.44'	34.87'
17.	06°46'39"	1775.50'	210.02'	105.13'
18.	03°09'58"	1775.50'	98.11'	49.07'
19.	10°00'03"	604.50'	105.51'	52.89'
20.	06°40'31"	1602.50'	186.70'	93.46'

SERVICE SCHEDULE		
TYPE	SIZE	NO.
SANITARY	4"	128
WATER	1"	128



TYPICAL WATER & SEWER SERVICE LAYOUT  
 N.T.S.



The seal appearing on this document was authorized by Warren L. Corwin, P.E. 57875, on August 19, 2013

**AS-BUILT JULY 2014**  
 INFORMATION PROVIDED BY CONTRACTORS (NOT FIELD VERIFIED)

NO.	REVISIONS	BY	DATE

**CORWIN ENGINEERING, INC.**  
 200 W. BELMONT, SUITE E  
 ALLEN, TEXAS 75013 (972) 396-1200  
 TBP# FIRM #5951

**DEVELOPMENT PLANS FOR BREEZY HILL PHASE 2**  
 ROCKWALL, TEXAS

**WATER AND SANITARY SEWER PLAN**

DRAWN BY CMF	DESIGNED BY WLC	CHECKED BY WLC	SHEET NO. 14 of 25
JOB NUMBER 13022	DATE MAY 2013	SCALE 1"=100'	