



TYPICAL NATIVE MATERIAL COMPACTED TO:  
95% OF STANDARD PROCTOR DENSITY AT  
OPTIMUM MOISTURE 0 TO +3% UNDER PAVEMENT  
95% OF STANDARD PROCTOR DENSITY AT  
OPTIMUM MOISTURE 0 TO +3% OUTSIDE CURB LINES  
JETTING IS NOT ALLOWED  
BACKFILL TO BE COMPACTED IN 6" +/- LIFTS  
TYPICAL NATIVE MATERIAL (MAX. 3" DIA.)

**EMBEDMENT DETAILS FOR SANITARY SEWER**

TABLE OF QUANTITIES OF 2000 psi CONCRETE, GRAVEL OR CRUSHED STONE IN CUBIC YARDS PER 100 LINEAR FEET FOR EACH CLASS EMBEDMENT

SIZE OF PIPE IN INCHES I.D.	O.D. OF PIPE IN INCHES	TRENCH WIDTH IN INCHES	TRENCH WIDTH IN FEET	CLASS 1 EMBEDMENT CRUSHED STONE	CLASS 2 EMBEDMENT CONCRETE	CLASS 3 EMBEDMENT CONCRETE	CONCRETE ENCASEMENT
12	16.00	32	2.67	4.1	6.5	4.8	15.8
15	19.50	36	3.00	4.8	7.8	6.4	19.2
18	23.00	39	3.25	5.7	9.2	8.2	21.2
21	26.50	43	3.58	6.9	11.0	10.2	24.9
24	30.00	46	3.83	8.3	13.1	12.4	28.7
27	33.50	51	4.25	10.3	16.1	14.4	32.8
30	37.00	57	4.75	12.7	20.1	17.0	34.8
33	40.50	62	5.17	15.1	23.8	19.3	39.2
36	44.00	67	5.58	18.0	28.6	22.1	43.8

SIZE OF PIPE IN INCHES I.D.	O.D. OF PIPE IN INCHES	TRENCH WIDTH IN INCHES	TRENCH WIDTH IN FEET	CLASS 4 EMBEDMENT CRUSHED STONE	CONCRETE ENCASEMENT
6	6.28	24	2.00	8.0	11.7
8	8.16	24	2.00	8.7	12.4
10	10.20	26	2.18	10.2	14.2
12	12.24	28	2.35	11.7	15.9
16	15.30	31	2.61	14.0	18.8
24		36	3.0		
30		42	3.5		

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY KENNETH A. ROBERTS, P.E. 55446 ON OCTOBER 24, 1997



10-24-97

**WASTEWATER DETAILS**

**ARAPAHO ROAD**

ADDISON ROAD TO DALLAS NORTH TOLLWAY

**TOWN OF ADDISON, TEXAS**

Huitt-Zollars, Inc./Consulting Engineers  
Dallas, Fort Worth, Houston, Phoenix, Austin

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	KAR	N.T.S.	OCT 97	1772-01	W-11

RECORD DOCUMENTS 6/9/2000

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