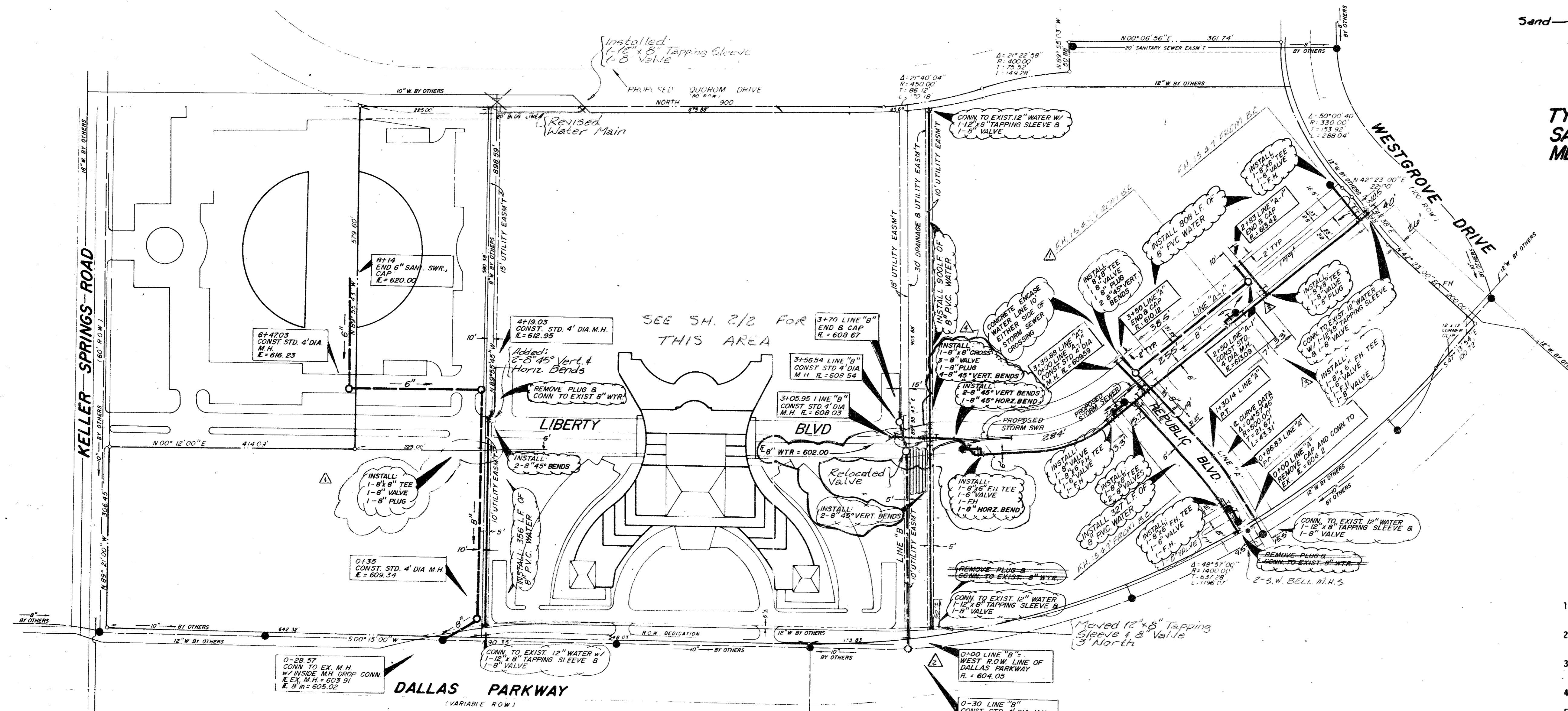


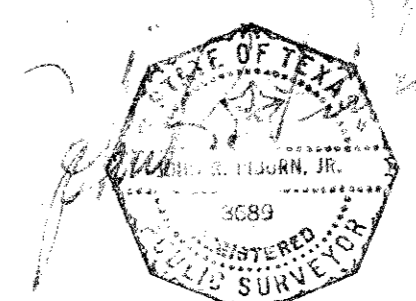
TYPICAL WATER AND SANI. SEWER EMBEDMENT DETAIL
N.T.S.



WATER AND SANITARY SEWER GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF ADDISON STANDARDS AND SPECIFICATIONS.
2. ALL WATER MAINS SHALL BE PVC SDR-18 WATER PIPE (BLUE BRUTE WITH WIRE TRACERS). TRACER TO BE #12 INSULATED COPPER.
3. ALL WATER MAINS SHALL HAVE MINIMUM COVER BELOW FINISHED GRADES AS FOLLOWS:
6" & 8" - 48" OR AS REQUIRED TO CLEAR OTHER UTILITIES.
4. ALL SEWER MAINS SHALL BE PVC SDR-35 SANITARY SEWER PIPE.
5. ALL PIPE EMBEDMENT SHALL BE AS DETAILED ON THIS SHEET.
6. ALL TEES, CONNECTIONS, BENDS, DEAD-ENDS, FIRE HYDRANTS, ETC., SHALL BE SECURELY BLOCKED AGAINST TRENCH WALLS USING 2000 PSI CONCRETE.
7. ALL TRENCH BACKFILL FOR THESE UTILITIES SHALL BE COMPACTED AS REQUIRED BY CITY, BUT IN NO CASE SHALL THE TOP 12" BE COMPACTED TO LESS THAN 90% AASHO DENSITY WITH THE REMAINDER OF THE DITCH BEING COMPACTED TO THAT OF ADJOINING SOIL CONDITIONS.
8. CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO BEGINNING WORK AND SHALL PROTECT EXISTING IMPROVEMENTS DURING CONSTRUCTION.
9. THE CONTRACTOR SHALL INCLUDE IN HIS BID PRICE ALL COSTS OF UTILITY CONNECTIONS, TAP FEES AND THE TESTING OF NEW MAINS REQUIRED BY THE CITY OF ADDISON TO COMPLETE THE WORK WHETHER THESE SERVICES ARE PERFORMED BY THE CONTRACTOR OR BY OTHERS.

NOTE BOUNDARY INFORMATION IS FROM A BOUNDARY SURVEY BY GEGRAM CORP DATED FEBRUARY, 1984



AS-BUILT DATE: 6-20-88

WATER & SANI. SWR PLAN
LIBERTY PLAZA

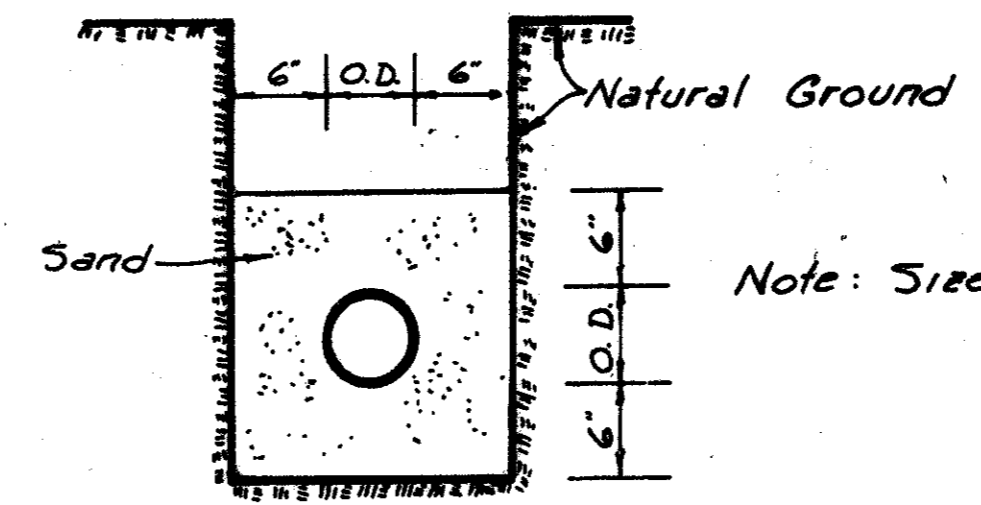
BROCKETTE DAVIS-DRAKE, inc.
consulting engineers
Civil & Structural Engineering • Surveying
3535 Travis, Suite 100 • Dallas, Texas 75204 • (214) 522-9540

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO
JRD	JRD	6/84	1"=100'	JRD	CB4146T	12 of 16

- ▲ REVISED WATER LINE
4-09-85
- ▲ ADD. FH
3-13-85
- ▲ REVISED LINE "B"
3-11-85
- ▲ ROUTE WATERLINE
UNDER STORM SEWER 1-30-85

BM No. 1
Square cut on top of curb at the radius return of an island located near the northeast corner of Liberty Plaza I, approximately 639 feet north of the southeast property corner.
Elevation 622.14

BM No. 2
Chisled square on the end of the curb radius located on the driveway on the north side of Keller Springs Road, approximately 500 feet west of Dallas Parkway.
Elevation 626.24



TYPICAL WATER AND SANI SEWER EMBEDMENT DETAIL
N.T.S.

ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF DALLAS SPECIFICATIONS AND SPECIFICATIONS.

ALL WATER MAINS SHALL BE PVC 50R-18 WATER PIPE TRACER TO BE #12 INSULATED COPPER.

ALL WATER MAINS SHALL HAVE MINIMUM COVER BELOW FINISHED GRADE OF 4' 0" - 6' 0" OR AS REQUIRED TO CLEAR OTHER UTILITIES.

ALL SEWER MAINS SHALL BE PVC 50R-35 SANITARY SEWER PIPE.

ALL PIPE EMBEDMENT SHALL BE AS DETAILED ON THIS PLAN.

ALL TEES, CONNECTIONS, BENDS, DEAD-ENDS, FIRE HYDRANT, SECURELY BLOCKED AGAINST TRENCH WALLS USING 3000 PSI CONCRETE.

ALL FIRE HYDRANTS SHALL BE MUELLER CENTURION MODEL CITY OF ADDISON STANDARDS AND SPECIFICATIONS.

ALL TRENCH BACKFILL FOR THESE UTILITIES SHALL BE COMPACTED TO 95% RELATIVE DENSITY WITH THE REMAINDER OF THE DITCH BEING COMPACTED TO 90% RELATIVE DENSITY.

CONTRACTOR TO VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. SHALL PROTECT EXISTING IMPROVEMENTS DURING CONSTRUCTION.

THE 8" FIRE LINE METER SHALL BE HERSEY MODEL D.C. DE. BYPASS TURBINE METER. THE DETECTOR CHECK SHALL BE 1" OR 1.5" LONGER THAN 18" BELOW FINISHED GRADE. THE PIT SHALL BE 18" DEEP WITHOUT HAVING TO DISASSEMBLE METER. THE PIT SHALL BE OF THE "BELL" TYPE, BUT NOT NECESSARILY OF THAT BRAND.

THE 4" DOMESTIC WATER METER SHALL BE HERSEY 4" FOMMOR 4" BYPASS. THE METER SHALL BE INSTALLED IN A PRECAST CONCRETE PIT WITH A CONCRETE FLOOR, WITH THE METER NOT FINISHED GRADE. THE PIT SHALL BE OF ADEQUATE SIZE TO ALLOW TO DISASSEMBLE METER. THE DOORS TO THE PIT SH. TYPE, BUT NOT NECESSARILY OF THAT BRAND.

THE CONTRACTOR SHALL INCLUDE IN HIS BID PRICE ALL CONNECTIONS, TAP FEES AND THE TESTING OF NEW MAINS REQUIRED TO COMPLETE THE WORK WHETHER THESE SERVICES ARE CONTRACTOR OR BY OTHERS.

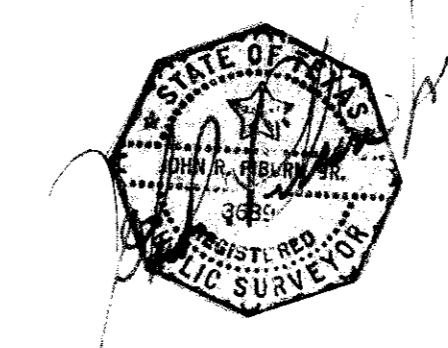
STORM DRAINAGE GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CITY OF DALLAS SPECIFICATIONS AND SPECIFICATIONS.
2. ALL REINFORCED CONCRETE PIPE SHALL BE MINIMUM CLASS III GROOVE JOINTS. RAN NECK SEALER OR APPROVED EQUAL SHALL BE USED AT JOINTS.
3. STORM DRAINAGE PIPE LESS THAN 18" DIAMETER SHALL BE EXTRA FORCED CONCRETE PIPE, VETRIFFIED GLASS PIPE OR PVC PIPE AT THE OPTION WITH THE ENGINEER'S APPROVAL.
4. WHENEVER A SMALLER PIPE IS JOINTED END-TO-END TO A LARGER PIPE, COLLAR SHALL BE PLACED AROUND THE PIPES OVER THE JOINT.
5. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO WORK AND SHALL PROTECT EXISTING IMPROVEMENTS DURING CONSTRUCTION.
6. ALL TRENCH BACKFILL FOR STORM SEWER SHALL BE COMPACTED TO 95% RELATIVE DENSITY WITH THE REMAINDER BEING COMPACTED TO 90% RELATIVE DENSITY.
7. CRUSHED STONE BEDDING OR APPROVED EQUAL WILL BE PROVIDED WHEN ROCK ENCOUNTERED IN STORM SEWER TRENCHES.
8. ALL DRAINAGE STRUCTURES SHALL BE 3000 PSI CONCRETE AT 28 DAYS UNLESS OTHERWISE NOTED ON PLANS.

LEGEND

- 15.95 Evid. Spot Elevation
- 619.00 Prop. Spot Elevation
- Exist. Contour
- Prop. Contour

UTILITY INFORMATION IS BASED UPON FIELD MEASUREMENTS AND THE BEST AVAILABLE RECORDS. FIELD DATA IS LIMITED TO THAT WHICH IS VISIBLE AND CAN BE MEASURED. THIS DOES NOT PRECLUDE THE EXISTENCE OF OTHER UNDERGROUND UTILITIES. INFORMATION IS BASED UPON DATA COLLECTED FROM BOTH PUBLIC AND PRIVATE SOURCES. THE COMPLETENESS AND/OR ACCURACY OF THESE RECORDS CANNOT BE GUARANTEED EXCEPT INsofar AS THEY CAN BE VERIFIED BY THE FIELD MEASUREMENT.

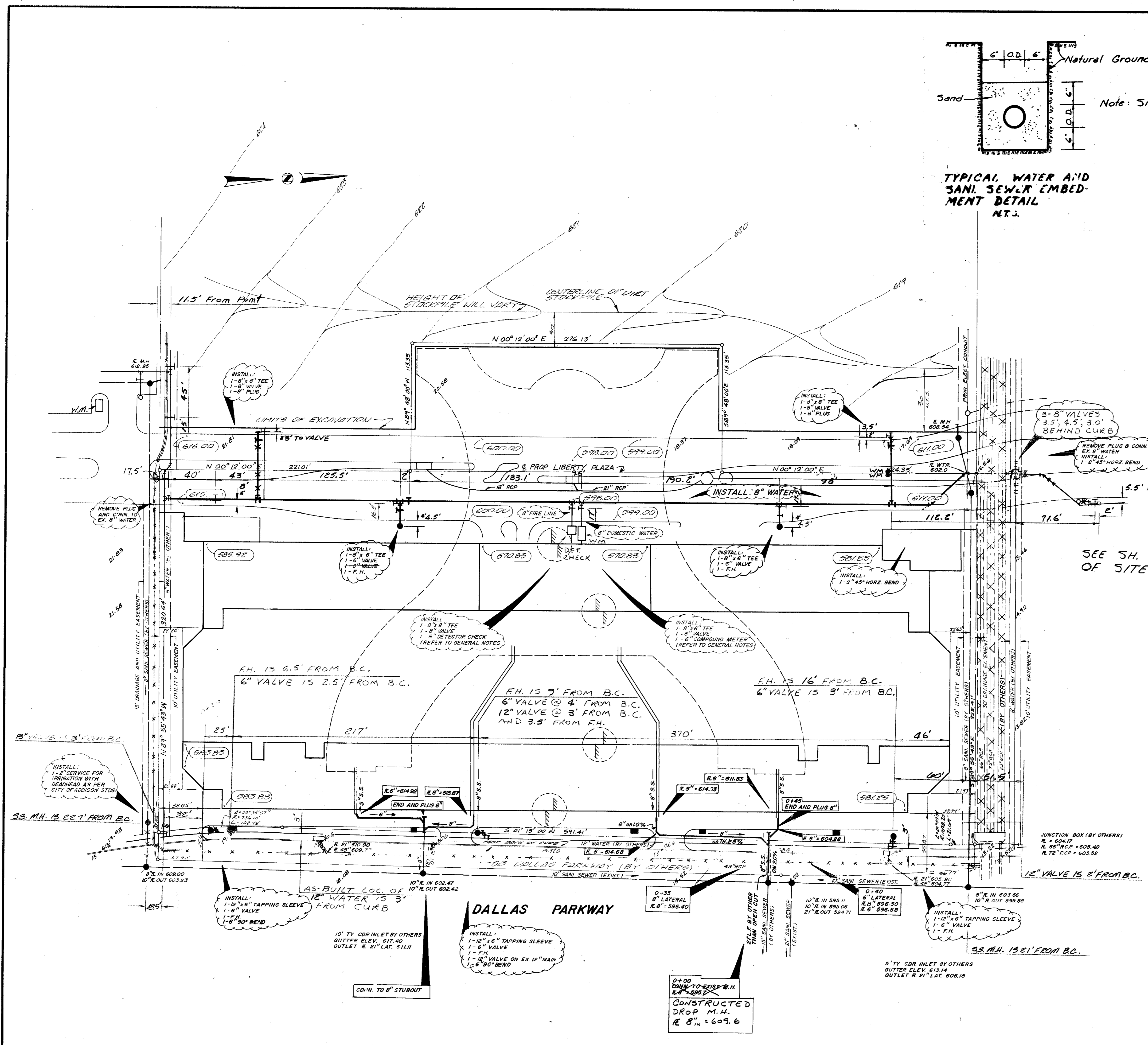


WATER & SANITARY SEWER PLAN

SUNBELT CORPORATE HEADQUARTERS
SUN DEVELOPMENT COMPANY

JACK R. DAVIS
& associates, inc.
consulting civil engineers & surveyors
3535 Travis Street, Suite 100
Dallas, Texas 75204 (214) 522-9540

design	drawn	date	scale	notes	job no.	sheet no.
JRD	RT	6/85	1" = 40'	JRD	C84187	of



SEE SH. 1/2 FOR REMAINDER OF SITE

BENCHMARK
SQUARE CUT ON TOP OF CURB OF ISLAND NE CORNER OF LIBERTY PLAZA
ELEV. 622.15

AS-BUILT DATE: 6-20-88

BROCKETTE-DAVIS-DRAKE, inc.
consulting engineers
Civil & Structural Engineering, Surveying
3535 Travis, Suite 100 • Dallas, Texas 75204 • (214) 522-9540

SUNBELT HEADQUARTERS
ADDISON

Issued For Construction PC #1 8/6/86

Job No: C84187

Revision:

Date:	6/03/85
Drawn:	
Sheet No:	C6
of	1