GENERAL NOTES FOR WATER AND SEWER

1. All sanitary sewer lines shall be ~~vitrified clay tile with Class C embedment or~~ PVC pipe SDR 35 as per ASTM 3033 & 3034 Class B-1 embedment.
2. Provide a water stop at sanitary manhole. ALL MANHOLES TO BE CAST-IN-PLACE.
3. All water mains shall be ~~ductile iron poly (CL. 50) wrap pipe, or~~ PVC SDR 18 (blue brute with wire tracers). TRACER TO BE #12 INSULATED COPPER.
4. All water mains shall have minimum cover below finished grades or deeper if required to clear other utilities as follows: 12" - 5' cover; 8" - 4' cover
5. All fire hydrants shall be Mueller Centurion.
6. All gate valves shall be Mueller or approved equal.
7. Streamer nozzles on fire hydrants shall be 18" above the top of curb, or finished grade, and shall face the center-line of the street. Fire hydrants shall usually be located 3 feet, but not less than 2 feet, or more than 5 feet behind the curb.
8. Water main installations shall conform to the minimum requirements of the Texas State Department of Health rules and regulations covering plans and specifications for Public Waterworks Projects.
9. Bedding for water lines shall be sand 6" below pipe to 6" above top of pipe.
10. All construction within easements and rights of way belonging to the City of Addison and/or any construction for which the City must assume maintenance responsibility shall conform to the City of Addison standard specifications for construction.
11. All Fire Hydrants, Manhole Castings, and Cleanouts shall be adjusted to final paving grades by this contractor.
12. ALL DITCHES SHALL BE WATER JETTED. WHERE DITCHES CROSS PAVED AREAS, THEY SHALL BE TAMPED AND COMPACTED. ALL TRENCH BACKFILL SHALL BE COMPACTED AS REQUIRED BY THE CITY, BUT IN NO CASE SHALL THE TOP 12" BE COMPACTED TO LESS THAN 90% A.A.S.H.O. DENSITY, WITH THE REMAINDER OF THE TRENCH BEING COMPACTED TO THAT OF ADJOINING SOIL CONDITIONS.
13. 5' OF SEWER LATERAL PIPE SHALL BE ENCASED WHERE IT CROSSES WATER MAIN.

NOTE: ALL SERVICES IN REALTY ROAD AND IN BUSINESS AVENUE ARE EXISTING.

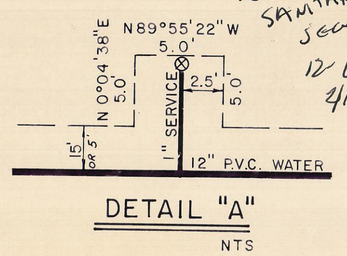
APPROVED — CITY OF ADDISON — BUILDING INSPECTION — DATE: — NOTE: CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL PERMITS AND COMPLY WITH ALL CODES, ORDINANCES AND REGULATIONS OF THIS CITY. APPROVAL OF PLANS DOES NOT RELIEVE CONTRACTOR OF RESPONSIBILITY TO COMPLY WITH ALL CODES, ORDINANCES AND REGULATIONS OF THIS CITY. APPROVAL OF PLANS DOES NOT RELIEVE CONTRACTOR OF RESPONSIBILITY TO COMPLY WITH ALL CODES, ORDINANCES AND REGULATIONS OF THIS CITY.

RELOCATION OF EXIST. F.H.
N.T.S.

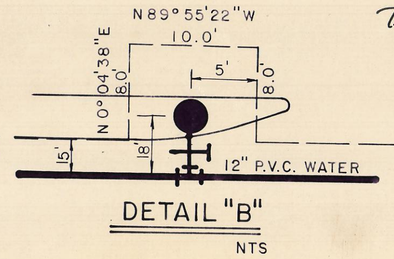
12" WATER
12" WATER
℄ REALTY ROAD
REMOVE & RELOCATE F.H. & 6" VALVE AS SHOWN
INSTALL 1-6" PLUG, 1-12"x6" REDUCER
8" SANI. SWR.
5'

MARSH LANE
N31°53'26"E 225.26'
N67°02'44"E 24.53'
S77°47'59"E 142.63'
Δ = 8°06'35" R = 530.00' T = 37.57' L = 75.02'
Δ = 8°06'35" R = 470.00' T = 33.32' L = 66.52'
REALTY ROAD
S77°47'59"E 512.16'
S38°51'40"E 15.56'
BUSINESS AVENUE
S0°04'38"W 388.91'
N89°55'22"W 1199.64'
Δ = 1°27'08" R = 1223.24' T = 15.50' L = 31.01'
Δ = 17°11'04" R = 1223.24' T = 184.84' L = 366.88
Δ = 16°59'55" R = 1208.24' T = 180.56' L = 358.47'
SANI. SWR. CRV. DATA Δ = 29°30'13" R = 120.00' T = 31.60' L = 61.79'
EXISTING 15' SANI. SEW. ESM'T.
PROP. 10' WATER ESMT.
PROP. 30' UTILITY & ACCESS ESMT.
PROP UNDERGROUND ELEC. & TELE. LINE
RELOCATE EX. F.H. SEE DETAIL
PROP. WATER ESMT.
LINE "A"
0+00 LINE "A" CONNECT TO EXIST. M.H.
CONNECT TO EXIST. 12" WATER INSTALL 1-12"x12" TAPPING SLEEVE & VALVE 1-12" 11¼° BEND
INSTALL 2-12" 45° BENDS
1+94 6" LATERAL
INSTALL 1-12"x6" CROSS 2-6" VALVES 1-F.H. 1-6" PLUG
4+10 LINE "A" CONST. STD. 4.0' DIA. M.H. 6" LATERAL SOUTH
INSTALL 1-12"x8" TEE 1-12" VALVE
5+55 6" LATERAL
INSTALL 1-12"x8" TEE 1-12"x6" CROSS 1-12" VALVE 2-6" VALVES 1-F.H. 1-6" PLUG
7+84 6" LATERAL
9+10 END LINE "A" 6" LATERAL
INSTALL 1-12"x6" TEE 1-6" VALVE 1-F.H.
CONNECT TO EXIST. 12" WATER INSTALL 1-12"x12" TAPPING SLEEVE & VALVE
INSTALL 1-8"x6" REDUCER 1-6" VALVE 1-F.H. 2" SERVICE
INSTALL 1-8" 90° BEND 1-8"x6" REDUCER 1-6" VALVE 1-F.H. 2" SERVICE
INSTALL 1-12" VALVE
INSTALL 8" P.V.C. WATER
INSTALL 12" P.V.C. WATER
1" SERVICE
SEE DETAIL "A"
SEE DETAIL "B"
6" LATERAL
8" SANITARY SEWER
12" WATER
1" WTR.
6" SS
8" SS
4.5'
Ø 24" R.C.P.
42" R.C.P.
36" R.C.P.
F.F. 586.00
F.F. 586.50
F.F. 584.50
F.F. 583.50
F.F. 584.00
F.F. 583.00
R. 572.24
R. 572.50
R. 575.37
R. 575.60
R. 574.74
R. 575.00
R. 574.50
R. 574.15
R. 572.70
R. 572.00
R. 567.87
R. 569.00
R. 572.50
R. 571.75
C.O.
Tested Sanitary Sewer 12-6-79 4/165 PSI Sanitary Sewer
10-3-79 Laid Sanitary Sewer
10-2-79

DETAIL "A" NTS



DETAIL "B" NTS



10/3/79 REV. WATER LINE

WATER AND SANITARY SEWER

BELT LINE — MARSH OFFICE PARK

ADDISON, TEXAS

BDD BROCKETTE / DAVIS / DRAKE, INC. CONSULTING ENGINEERS

CIVIL STRUCTURAL SURVEYING

2900 CARLISLE STREET DALLAS, TEXAS 75204

STATE OF TEXAS — JACK R. DAVIS — 24312 — REGISTERED PROFESSIONAL ENGINEER

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
C.J.Z.	C.J.Z.	9/7/79	1"=40'			C2