SCALE 1"=100'

LES LACS PLAZA JOINT VENTURE

℄ & ℙ
Δ = 44°46'52"
R = 570.00'
T = 234.83'
L = 445.50'

℄ & ℙ
Δ = 0°55'03"
R = 800.00'
T = 6.41'
L = 12.81'

N 36°00'52" E 550.96'

BELTWAY (PUBLIC STREET) 80.0' R/W — DRIVE 80.0' 40.0'

DEDICATED FOR PARK PURPOSES 4.6000 ACRES

CAUTION!! MAINTAIN ADEQUATE CLEARANCE FROM O.P.&L. ELECTRICAL LINE TO PRECLUDE INJURY OR DAMAGE TO PERSONS OR PROPERTY

Z145.14 "G" = (1402.14) "H" CONSTRUCT STD. 4.0' DIA. MANHOLE

INSTALL: 2-8"-45° BENDS 1-8" VALVE

5' STORM SEWER EASEMENT

INSTALL: 2-8"-45°BENDS

N 89°04'05"W 512.39

INSTALL 8" PVC WATER

BLOCK A

1572.12

Z164.50 "H" CONSTRUCT STD 4.0' DIA. MANHOLE

5' WATER EASEMENT

INSTALL: 1-8"X8" TAPPING SLEEVE 1-8" VALVE CONNECT TO EX. 8" WATER

0.4 ± 8" = EXIST. 8" PVC SAN S. CONNECT TO EX. MAIN

5' SANITARY SEWER EASEMENT

N 53°04'05"W 52.11'

℄ & ℙ
Δ = 53°59'59"
R = 250.00'
T = 127.38'
L = 235.62'

INSTALL 1-8"X6" F.H.TEE 1-8" VALVE 1-6" VALVE 1-F.H.

N 0°55'54" E 248.09

INSTALL 8" PVC. WATER

AZURE LANE

BLOCK B

CANOT LANE

INSTALL 8" PVC. WATER

SCREENING WALL

100' D.P.&L. R.O.W.

INSTALL: 1-8"X8" TEE 1-8"X6" EH. TEE 2-8" VALVES 1-6" VALVE 1-F.H.

617.50 "H" END

618.5 "H" C.O.

442.0 "E" C.O.

441.0 "E" END

S 0°55'55" W

INSTALL: 1-8"X6" F.H. TEE 1-6" & 1-8" VALVE 1-F.H.

1180 "E" CONSTRUCT STD. 4.0' DIA. MANHOLE

CAUTION!! MAINTAIN ADEQUATE CLEARANCE FROM O.P.&L. ELECTRICAL LINE TO PRECLUDE INJURY OR DAMAGE TO PERSONS OR PROPERTY

INSTALL: 1-8"-45° BEND 1-8"-11¼° BEND

1134.27 "D" = 0.00 "E" CONSTRUCT STD. 4.0' DIA. MANHOLE

1143.78 "F" CONSTRUCT STD. 4.0' DIA. MANHOLE

6103.86 "F" CONSTRUCT STD. 4.0' DIA. MANHOLE

MIDWAY MEADOWS

6185 "A" END

7400 "A" C.O.

10133 "F" C.O.

10118 "F" END

LE GRANDE DR.

USE 8" VERT. BENDS AS REQUIRED TO CLEAR 8" SAN. SWR. AND 21" STM. SWR.

REMOVE EX. 8" PLUG AND CONNECT TO EXISTING 8" WATER INST. 1-8"-22½° BEND

Z103.67 "A" CONSTRUCT STD 4.0' DIA. MANHOLE

INSTALL: 1-8"X6" F.H. TEE 1-6" VALVE 1-F.H.

INSTALL: 2-8"X8" TEES 2-8" VALVES

5' WATER EASEMENT

P.O.B.

S 89°23'17" E 1843.53

INSTALL 8" P.V.C. WATER

SCREENING WALL

INSTALL 2-8"-45° BENDS

850.00

S 0°49'25" W 335.00

PROTON PLAZA JOINT VENTURE

REMOVE EX. 8" PLUG & CONNECT TO EX. 8" WATER

0+00 "A" = EXIST. 4.0' DIA. M.H. CONNECT TO EX. MH.

0+00 "B" = EXIST. 4.0' DIA. M.H. CONNECT TO EX. MH.

N 89°23'17" W 165.86'

(PUBLIC STREET) ROAD

100' R.O.W.

MIDWAY

STATE OF TEXAS — BARTON G. TREECE, JR. — 42696 — REGISTERED PROFESSIONAL ENGINEER

9/11

INSTALL 1-8"X6" F.H. TEE 1-6" VALVE 1-F.H.

INSTALL 1-8"X6" F.H. TEE 1-6" VALVE 1-F.H.

INSTALL 1-8"X6" F.H. TEE 1-6" VALVE 1-F.H.

INSTALL 1-8"X6" F.H. TEE 1-6" VALVE 1-F.H.

INSTALL 1-8"X8" TEE 2-8" VALVES 11-8"-11¼° BENDS

INSTALL 1-8"X8" CROSS 3-8" VALVES

INSTALL 8" PVC. WATER

REMOVE EX. 8" PLUG & CONN. TO EX. 8" WATER

NOTE! WATER SERVICES & COLL. METER BOXES BY UTILITY CONTRACTOR - METER BY HOME BUILDER

LOT — LOT — LOT — LOT

¾" Bulkhead (Typ. For Dual Services) TO CENTER OF LOT

PROP. 8" SANITARY SEWER

1" WATER SERVICE (TYP. FOR DUAL SERVICE) 4" SAN. SWR. LAT. (TYP.)

PROP. 8" WATER

PROP. 10.0' UTILITY EASEMENT

TO CENTER OF LOT

LOT — LOT — LOT

TYPICALLY 10' UPSTREAM FROM 4" SAN. SEWER LAT. (SINGLE SER. ONLY)

TYPICAL SERVICE DETAIL (NO SCALE)

1125.16 "E" = 0.0 ± IS CONSTRUCT STD. 4.0' DIA. MANHOLE

-(1+05.22) "E" = EXIST 4.0' DIA. MH. CONNECT TO EX. MH.

PROTON

NOTE! DO NOT PULL P.V.C. PIPE AT JOINTS

LES LACS AVENUE (PRIVATE STREET)

5' SANITARY SEWER EASEMENT

CAUTION! EXIST. 8" WATER - CONTRACTOR TO VERIFY LOCATION & DEPTH PRIOR TO START OF ℄ & ℙ WORK

℄ & ℙ
Δ = 12°20'45"
R = 400.00'
T = 43.26'
L = 86.19'

N 67°04'06" W 50.00

INSTALL: 1-8"X6" F.H. TEE 1-6" VALVE 1-F.H.

INSTALL: 1-8"X8" TEE 2-8" VALVES

LES LACS VILLAGE INCORPORATED

INSTALL: 2-8"-11¼° BENDS

℄ & ℙ
Δ = 10°48'57"
R = 400.00'
T = 37.87'
L = 75.51'

℄ & ℙ
Δ = 15°52'37"
R = 400.00'
T = 55.78'
L = 110.84'

INSTALL: 1-8"X6" F.H. TEE 1-6" VALVE 1-F.H.

DRIVE

10" PVC. Water

(PRIVATE STR. L.T.)

℄ OF 60' UTILITY & 37' ACCESS EASEMENT

INSTALL: 1-8"X6" F.H. TEE 1-6" VALVE 1-F.H.

INSTALL: 1-8" VALVE

℄ & ℙ
Δ = 45°31'31"
R = 1500.00'
T = 629.35'
L = 1191.85'

INSTALL: 1-8"X8" TEE 2-8" VALVES 11-8"-11¼° BENDS

LES LACS VILLAGE INCORPORATED

REMOVE EX 8" PLUG & CONN. TO EX. 8" WATER

℄ & ℙ
Δ = 28°16'00"
R = 400.00'
T = 100.72'
L = 197.34'

SANITARY SEWER CURVE DATA

1. Δ = 20°40'50" R = 200.00' T = 36.49' L = 72.19'
2. Δ = 20°40'50" R = 200.00' T = 36.49' L = 72.19'
3. Δ = 19°52'05" R = 200.00' T = 35.03' L = 69.35'
4. Δ = 22°02'45" R = 200.00' T = 38.96' L = 76.96'
5. Δ = 9°28'58" R = 627.00' T = 52.01' L = 103.77'
6. Δ = 39°00'24" R = 1327.00' T = 470.00' L = 903.41'
7. Δ = 22°02'45" R = 200.00' T = 38.96' L = 76.96'
8. Δ = 37°20'14" R = 627.00' T = 211.85' L = 408.59'
9. Δ = 12°50'19" R = 200.00' T = 22.50' L = 44.82'
10. Δ = 54°15'14" R = 202.00' T = 103.49' L = 191.28'
11. Δ = 25°10'36" R = 200.00' T = 44.66' L = 87.88'
12. Δ = 25°10'36" R = 200.00' T = 44.66' L = 87.88'
13. Δ = 23°00'27" R = 200.00' T = 40.70' L = 80.31'
14. Δ = 12°50'19" R = 200.00' T = 22.50' L = 44.82'
15. Δ = 25°10'36" R = 200.00' T = 44.66' L = 87.88'

GENERAL NOTES

1. All water mains shall be PVC Class 200 water pipe.
2. All water mains shall have a minimum cover below finished grades as follows: 6" & 8" - 48", 12" - 60", or as required to clear other utilities.
3. The location of all utilities are taken from existing public records. The exact location must be determined by the Contractor. It is the duty of the Contractor to ascertain whether additional facilities, other than those on the plans may be present.
4. All utility trenches under proposed paving shall be backfilled and compacted to 90% Standard Proctor Density.
5. All work and materials shall be in accordance with the City of Addison Standard Specifications and the Contract Documents.
6. Contractor shall be responsible for providing "as-built" plans to the Engineer showing the location of sewer service by distance to the lot lines and final quantities.

REVISIONS

1. GENERAL REVISIONS AS PER CITY OF ADDISON - 11/13/81
2. STREET NAME CHANGE - 11/20/81
3. ALL EASEMENT LOCATIONS REVISED - 12/7/81

¾" SINGLE WATER SER.		
NO.	BLK.	LOT
1	A	17
2	"	28
3	"	41
4	"	50
5	"	85
6	"	108
7	"	11
8	"	12
9	B	3
10	"	24
11	C	27
12	"	48

WATER & SAN. SEWER PLAN

LES LACS GARDEN HOMES

ADDISON, TEXAS

HILL & COMPANY ENGINEERING SCIENCES INC.

2995 LBJ FRWY., DALLAS, TEXAS

DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
HILL & CO.		SEPT. '81	1"= 100'	KLG		