NO.	DATE	REVISION	APPROV.
1	10/19/07	REVISED FIRE HYDRANT LOCATION & DETAIL	BRG
2	11/16/07	REVISED WATER METER LOCATION & DETAIL	BRG
3			

40 0 40 80
scale 1"=40' feet

12" WATER CURVE DATA:

NUMBER	RADIUS	DELTA	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	300.00'	05°18'32"	27.80'	S 04°04'45" W	27.79'
C2	300.00'	05°18'32"	27.80'	S 04°04'45" W	27.79'
C3	300.00'	07°10'15"	37.55'	S 02°09'39" E	37.52'
C4	300.00'	02°59'58"	15.70'	S 04°14'48" E	15.70'
C5	500.00'	10°08'07"	88.45'	S 07°48'52" E	88.33'

CONTRACTOR TO STAKE DRIVEWAY LIMITS AND FIELD VERIFY EXISTING IRRIGATION FACILITIES. RELOCATE ALL EXISTING WATER METERS, DOUBLE CHECK/ DETECTOR CHECK VAULTS, IRRIGATION CONTROL VALVES, PIPING, ETC. THAT CONFLICTS WITH PROPOSED PAVING. ALL REPLACEMENT IRRIGATION FACILITIES SHALL MEET TOWN STANDARDS.

!!!CAUTION!!! UNDERGROUND UTILITIES PRESENT IN THIS AREA. CALL 1-800-DIG-TESS PRIOR TO CONSTRUCTION

SEE DETAIL 'A'

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXIST. 8" WATER CONNECT TO EXIST 8" WATER BEGIN 8" WATER INSTALL:
1-8" 90° BEND
44 L.F. 8" WATER
2-8"x6" TEES
1-6" VALVE
1-F.H.
1-8"x6" REDUCER
5-6" 90° BENDS

REMOVE EXISTING WATER BLOW OFF TAP

PROP. STM. SEW.

REMOVE EXISTING WATER BLOW OFF TAP

!!!CAUTION!!! UNDERGROUND UTILITIES PRESENT IN THIS AREA. CALL 1-800-DIG-TESS PRIOR TO CONSTRUCTION

STA. 1+00.00
CONSTRUCT STD. 4' DIA. M.H. OVER EXIST. 8" SAN. SEW.
N = 5310.63
E = 4417.22

SPECTRUM DRIVE

!!!CAUTION!!! UNDERGROUND UTILITIES PRESENT IN THIS AREA. CALL 1-800-DIG-TESS PRIOR TO CONSTRUCTION

SEE DETAIL 'B'

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXIST. 8" WATER CONNECT TO EXIST 8" WATER BEGIN 8" WATER INSTALL:
1-8"x8" TEE
1-8"x6" TEE
1-8"x4" REDUCER
1-8"x6" REDUCER
2-4" 90° BENDS
1-6" 90° BEND
36 L.F. 6" WATER
1-6" VALVE
1-F.H.

PROP. 5' SIDEWALK ESMT.

PROP. 5' SIDEWALK ESMT.

INSTALL 6" DOMESTIC WATER SERVICE LINE & 6" CLOSED FIRELINE SEVICE SEE PLUMBING PLANS FOR CONNECTION TO BUILDING AND DOUBLE CHECK VALVE BACK FLOW PREVENTION ASSEMBLY LOCATION

12 L.F. 8" WATER TO BE LOWERED UNDER STORM SEWER PER CITY STANDARDS REMOVE EXISTING 8" WATER AS NEEDED

STA. 2+44.00 LINE 'A'
CONSTRUCT STD. 4' DIA. M.H.
N = 5308.32
E = 4560.64

STA. 3+46.00 LINE 'A'
CONSTRUCT STD. 4' DIA. M.H.
N = 5306.68
E = 4663.23

FL. 8" 610.3 SS
FL. 8" 608.8 SS
FL. 8" 606.3 SS
FL. 8" 609.8 SS
FL. 8" 608.6 SS

SEE DETAIL "C" ①

2+00 3+00 4+00 5+00

PROP. 8" SAN. SEW.

S 89°04'47" E

10' R.O.W. 61'

1.5'

INSTALL 8" PLUG FL. 8" 605.6

PROP. STM. SEW.

STA. 4+74.00 LINE 'A'
CONSTRUCT STD. 4' DIA. M.H.
N = 5304.62
E = 4791.18

PROP. 5' SIDEWALK ESMT.

RELOCATE EXISTING WATER BLOW OFF TAP

INSTALL 4" DOMESTIC WATER SERVICE LINE & 6" CLOSED FIRELINE SEVICE SEE PLUMBING PLANS FOR CONNECTION TO BUILDING AND DOUBLE CHECK VALVE BACK FLOW PREVENTION ASSEMBLY LOCATION

① INSTALL 38 L.F. OF 8" SAN. SEW. @ 1.0%
② INSTALL 40 L.F. OF 8" SAN. SEW. @ 1.0%
③ INSTALL 38 L.F. OF 8" SAN. SEW. @ 1.0%
④ INSTALL 20 L.F. OF 8" SAN. SEW. @ 1.0%
⑤ INSTALL 18 L.F. OF 8" SAN. SEW. @ 1.0%
⑥ INSTALL 19 L.F. OF 8" SAN. SEW. @ 1.0%

1-2" SERVICE WITH 2" PRIVATE IRRIGATION METER WITH DOUBLE CHECK VALVE BACK FLOW PREVENTION ASS'Y
PROPOSED STORM 8W
12 L.F. 8" WATER LOWERING
1-2" SERVICE WITH 1½" PUBLIC IRRIGATION METER WITH DOUBLE CHECK VALVE BACK FLOW PREVENTION ASS'Y

CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXIST. 8" WATER CONNECT TO EX. 8" WATER INSTALL:
30 L.F. 8" WATER
1-8"x6" REDUCER
1-6" VALVE
1-6" 90° BEND
1-F.H.

DETAIL "C"

STA. 0+99.20
CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF EXIST. 12" WATER & REMOVE 12" PLUG CONNECT TO EXIST 12" WATER BEGIN 12" WATER INSTALL:
1-12" VALVE
1-12" 45° BEND
N=5580.91
E=4905.71

S 01°25'29" W

P.I. STA. 1+14.17
INSTALL:
1-12" 45° BEND
N= 5569.24
E= 4913.89

S 01°25'29" W

S 43°34'31" E
PROP. 11' U.E., D.E., S.E., S.W.E

P.R.C. STA. 1+76.69

!!!CAUTION!!! UNDERGROUND UTILITIES PRESENT IN THIS AREA. CALL 1-800-DIG-TESS PRIOR TO CONSTRUCTION

P.R.C. STA. 2+04.49
P.T. STA. 2+32.28
S 01°25'29" W
P.C. STA. 2+42.28
P.R.C. STA. 2+79.83
P.R.C. STA. 2+95.54

STA. 5+50.00 LINE 'A'
CONSTRUCT STD. 4' DIA. M.H.
END 8" SAN. SEW.
N = 5304.73
E = 4867.17

P.T. STA. 3+83.98

STA. 3+98.00
INSTALL:
1-12"x6" TEE
167 L.F. 6" WATER
1-6" 90° BEND
1-6" VALVE
1-F.H.

STA. 4+00.00
INSTALL:
1-12"x6" TEE
1-12" VALVE
1-6" VALVE
1-F.H.

STA. 4+10.00
INSTALL:
1-12" PLUG
N = 5275.28
E = 4928.52

PROP. STM. SEW.

S 12°52'56" E

FUTURE TOWER

FUTURE 12" WATER

DALLAS PARKWAY

!!!CAUTION!!! UNDERGROUND UTILITIES PRESENT IN THIS AREA. CALL 1-800-DIG-TESS PRIOR TO CONSTRUCTION

RADIUS = 623.62
DELTA = 05°48'44"
LENGTH = 63.26
BEARING = S 09°58'33" E
CHORD = 63.24

PROP. 15' UTILITY, DRAINAGE & ACCESS EASEMENT

FUTURE GARAGE

FUTURE FIRE HYDRANT LOCATION FOR FUTURE TOWER

STA. 7+18.80
END 12" WATER
INSTALL:
1-12" VALVE
1-12" PLUG
N=4974.30
E=4994.07

6" CLOSED FIRELINE SERVICE WITH 6" DOUBLE CHECK DETECTOR ASSEMBLY

6" DOMESTIC SERVICE WITH 6" METER
6" 90° BEND
8"x6" REDUCER
8"x6" TEE
44± L.F. 8" WATER
8" 90° BEND
6" WATER SERVICE LINE
UTILITY EASEMENT LINE
FIRE SERVICE LINE

WATER METER DETAIL 'A'

8"x6" REDUCER
8"x8" TEE
8"-90° BEND
8"x4" REDUCER
8"x6"TEE
UTILITY EASEMENT LINE
4" DOMESTIC SERVICE WITH 4" METER
4" WATER SERVICE LINE
6" WATER SERVICE LINE
CURB ISLAND
6" CLOSED FIRELINE SERVICE WITH 6" DOUBLE CHECK DETECTOR ASSEMBLY
FIRELINE

WATER METER DETAIL 'B'

LEGEND:

- PROP. WATER LINE
- PROP. FIRE HYDRANT AND VALVE
- PROP. WATER SERVICE AND METER
- PROP. SANITARY SEWER
- PROP. MANHOLE
- PROP. SANITARY SEWER SERVICE
- SS — INSTALL DOUBLE CLEANOUT AT R.O.W. LINE. CONNECT PROP. 8" SANITARY SEWER SERVICE TO PLUMBING LINE.

GENERAL NOTES:

1. ALL WATER MAINS SHALL BE AWWA C909 PVC WATER PIPE.
2. ALL WATER MAINS SHALL HAVE MINIMUM COVER AS FOLLOWS: 48" BELOW FINISHED STREET GRADE OR 60" DEPTH IN UNIMPROVED STREETS OR AS REQUIRED TO CLEAR OTHER UTILITIES.
3. EXTEND WATER DEADHEADS AND WASTEWATER LATERALS 2' BEYOND PROPOSED BACK OF CURB OR AS SHOWN.
4. WATER AND WASTEWATER EASEMENTS SHALL ALSO INCLUDE ADDITIONAL AREA OF WORKING SPACE FOR CONSTRUCTION AND MAINTENANCE OF THE SYSTEM.
5. ALL WATER DEADHEADS SHALL BE COPPER AND LOCATED AND SIZED AS SHOWN, ON THE PLANS.
6. ALL WASTEWATER LATERALS SHALL BE LOCATED AND SIZED AS SHOWN ON THE PLANS.
7. ALL 8" & 6" WASTEWATER MAINS WHERE PVC PIPE IS USED SHALL BE ASTM 3034 (SDR-35) OR ASTM F789/D3212.
8. WATER DEADHEADS AND WASTEWATER LATERALS TO EXISTING MAINS SHALL BE INSTALLED BY CONTRACTOR.
9. THE CERTIFICATE OF ACCEPTANCE (C.O.A.) WILL NOT BE ISSUED UNTIL ALL WATER AND WASTEWATER APPURTENANCES HAVE BEEN ADJUSTED TO THEIR FINAL POSITION.
10. SET NOZZLE OF FIRE HYDRANT AT HEIGHT OF 18" TO 24" ABOVE FINISH GROUND ELEVATION. LOCATION OF F.H. SHALL BE 2' TO 6' BEHIND CURB LINE.
11. THE MAXIMUM ALLOWABLE TRENCH WIDTH FOR ALL PIPE THROUGH 12" DIAMETER SHALL BE 32".
12. ALL EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS PRIOR TO STARTING CONSTRUCTION.
13. ANY WATER OR SANITARY SEWER SERVICE LOCATED OUTSIDE OF A STREET, ALLEY OR EASEMENT SHALL BE INSTALLED BY A PLUMBER AND BE INSPECTED BY CODE ENFORCEMENT.
14. REFER TO GENERAL NOTES SHEET FOR GENERAL NOTES.
15. CONTRACTOR SHALL MATCH FLOWLINE OF 8" SS LATERALS WITH 8" PLUMBING LINES AT LABELED SS.
16. CONTRACTOR SHALL COORDINATE ALL TAPS TO EXISTING WATER MAINS WITH CITY INSPECTOR TO MINIMIZE DISRUPTION TO WATER SERVICE.

RECORD DRAWING
BASED ON CONTRACTOR MARKUPS
NOT FIELD SURVEY

WATER METER DETAIL 'B' NOTE:
1. METER VAULTS MUST BE LOCATED BEHIND CURB ISLAND. (SEE CURB DETAIL SHEET 10)

GRANTHAM & ASSOCIATES F-005438

STATE OF TEXAS
BRUCE R. GRANTHAM
62659
REGISTERED PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY: BRUCE R. GRANTHAM ON 11/10/09
ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.

DATE: FEBRUARY 2009	SCALE: 1"=40'	JOB NO.: 1057-06
DRAWN: G&A	DESIGN: BRG	REVIEWED: BRG	DWG: 1057WATSEW01

MIXED USE DEVELOPMENT
TOWN OF ADDISON
WATER AND SANITARY SEWER PLAN

SNK DEVELOPMENT INC.

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