IE 19 1254 12-81 MIC 2359F04

B/8170

SOME SUCH PLACE TOO APTS.

PARKWAY

DALLAS

CELESTIAL RD.

Curve Data For Revised 84" Alignment
P.R.C. 16+01.82 ℓB
Δ = 17° 29' 56" Rt.
R = 929.23'
L = 176.99'
T = 139.33'
P.T. & Sta. Equation 16+31.59 ℓB = Revised Alignment = 16+31.57 ℓB Fwd. ℓ of Alignment
Use Bevels & Full Pipe As Req'd.

Revision
Calc. P.I. Sta. Equa. = 64+60.18 Bk. = 64+60.03 Fwd.
Δ = 3.43° Rt.
Install: 1-84" Bevel

Revision
Calc. P.I. = 63+60
Δ = 3.43° Lt.
Install: 1-84" Bevel

Calc. Sta. Eq. = 13+34.0 Bk. = 13+34.18 Fwd.
Install: 1-84" 12-Piece Closure Section

84" Line
Calc. Curve Data
Δ = 6.51°
P.C. = 169+81.82
P.T. = 171+01.82
T = 60'
R = 1055'
L = 119.91
E = 1.70'
Install: Horiz. Bevels As Req'd.

170+41.38 Bk. = 1+14.00 Fwd.
Begin Revision With Sta. 170+41.38 And Delete Old Stationing from Previous C.# 64-15
Field Calc. Δ = 9°04'11" Lt.
64 Off Survey Line.
Office Calc. Δ = 6.51° Lt.

172+45.38 = End Revision
(-) 1+94.38 = 0+14 Existing
Tie Conn. Pipe 84" To Pipe 24" Water Pipe. Conn. Ex. 12" Water Inside M.H. To The Ex. 8" Fig. Outlet For Loading The Line. Install: 1-12"x8" Tee F.F.F. 1-4" Dia. M.H. on 1-8" 90° D.I. Bend Top of Ex. 8" Fig. outlet 8" Valve F.F. 1-2" Double Check Valve Assembly Watts No. 709 Series (Provided by The City of Dallas) See Detail Sheet 14-A

(-) 1+94 = End Of The Ex. 84" Pipe

(-) 2+00 - Calc. Δ = 9°29'08" Rt. Δ = 11.30° Up Comp. Δ = 14.72° Install: 1-84" Bend

12+20 - Install: 1-84" - 4.85° Vert. Bend

(-) 12+50 Install 1-84" 3.74° Vert. Bevel

Ex. 8" E.C.I. Water F.B. 448 P. 53

Ex. 8" Conc. Pvm't. "A" W/8" Lime Base

Ex. 8" San. Sew.

Ex. 84" R.C. Water

42" R.C.P.

18" R.C.P.

Ex. 12" D.I. Water F.B. 556 P. 44

Rev. Survey Control # 640-15-7

685W & 660C, Sh. 1

G' Wood Fence

G' Wooden Fence

Sprinkler System

Conc. Parking Lot

4' Conc. Walk

Conc. Dr.

Ex. 12" D.I. Water F.B. 556 P. 44

6" Conc. Pvm't. W/6" Lime Base Type "A"

Revised 84" Alignment Fwd. ℓ Celestial RD.

Orig. Survey Line

Prop. ℓ

Ex. ℓ

925.59'

805.66'

Control # 753-20

Inst. 84" R.C.C. OR STEEL Water

ABST. 1146

SOME SUCH PLACE NO. 2

All Joints To Be Bonded As Per Detail G60B Sht. 14B

REVISION:
Tab 100 - Install: 1-18" Fig. Outlet Up D.I.T. For 18"x12" Reducer Fig. D.I.T. For 6" Fh. Out. 2-6" Fig. Out. Up. See Spec. Air Release Valve Detail 685W-6408 Sht. 14-C

1617+00 - Install: 1-18" Fig. Outlet Up D.I.T. For 8" Type 2 Comb. Air Release Valve, As Per 814 W-9.10

Tab 100 - Install: 1-18" Fig. Outlet Up D.I.T. For 18"x12" Reducer Fig. D.I.T. for 6" Fh. Out. 2-6" Fig. Out. Up. See Spec. Air Release Valve Detail 685W-6408 Sht. 14-C

CONT. #84-45

WATER MAP 8-22 W 8-23 W

SEWER KEY MAP F-2

Ohms 1800

Ohms 1700

Exist. Conc. Pvm't.

Calc. Sta. Eq. = 172+45.38 Bk. = 172+45.38 Ahead
(-) 1+94.38 = 0+14 Existing
Tie Conn. Pipe 84" To Pipe 24" Water Pipe. Conn. Ex. 12" Water Inside M.H. To The Ex. 8" Fig. Outlet For Loading The Line. Install: 1-12"x8" Tee F.F.F. 1-4" Dia. M.H. on 1-8" 90° D.I. Bend Top of Ex. 8" Fig. outlet 8" Valve F.F. 1-2" Double Check Valve Assembly Watts No. 709 Series (Provided by The City of Dallas) See Detail Sheet 14-A

(-) 2+00 - Calc. Δ = 9°29'08" Rt. Δ = 11.30° Up Comp. Δ = 14.72° Install: 1-84" Bend

(-) 12+20 - Install: 1-84" - 4.85° Vert. Bend

(-) 12+50 Install: 1-84" 3.74° Vert. Bend

Calc. Sta. Eq. = 1+00 Bk. = 1+14.00 Ahead
Δ = 6.51° Rt.
Tie Conn. Pipe 84" To Pipe 24" Water Pipe. Conn. Ex. 12" Water Inside M.H. To The Line. See Above Note. For Loading

Sta. Equa. = 170+41.38 Bk. = 170+41.38 Ahead
Δ = 9°04'11" Lt. Set 64-15 Survey
Note: Ex. 12" D.I. Water Stopped
170+14 - 10" Stiffen Steel
Inlet 22' Rt.

Install: 1-84" 4.65 Vert. Bend

Install: 1-84" 3.74° Vert. Bend

Use Bevels As Req'd.

Use Bevel Pull Pipe

Use Full Pipe

As Built Elev. 608.00

Elev. 608.00

Elev. 619.67

Elev. 619.44

Elev. 616.50

Elev. 619.00

Elev. 631.05

P.V.I. 620.77

P.V.C. 620.53

P.V.T. 620.82

100' V.C.

-0.38%

+0.74%

+0.21%

+0.29%

+1.50%

-2.40%

-5.00%

-11.67%

2.01'

0.18' Overlap

2.44' Overlap

Sta. Equa. = 163+91.35 Fwd. ℓ of Alignment = 163+57.91 Fwd. ℓ Celestial RD.

Sta. Equation 163+91.35 Fwd. = 163+57.91 Fwd.

Install: 1-84" Bend

Calc. P.I. Sta. Eq. = 163+40 Fwd. = 163+04.56 Fwd.
Δ = 3.43° Rt.
Install: 1-84" Bend

Calc. P.I. Sta. Eq. = 161+40 Fwd. = 160+04.56 Fwd.
Δ = 3.43° Rt.
Install: 1-84" Bend

B.M. "D" Cut On Conc. Curb Of Parking Lot To Texas Commerce Motor Bank On W. Side Of Dallas Pkwy. @ Celestial Rd. Produced 30 ft. N. Of Ø Rd. (Northwest)
Elev. 632.40

B.M. Std. W.D.B.M. On S.E. Con. Of Conc. Bridge Of White Rock Creek & Preston Rd.
Elev. 554.05

1047 L.F. Of 84" Prestressed Concrete Embedded Cyl. Pipe, Class 60
ALTERNATE
1047 L.F. Of 84" Inside Dia. Steel Pipe (Per Part "T" Special Specifications)

MATCH MARK 162+00

MATCH MARK 164+00

0+00 1+00 2+00 3+00 4+00

170 169 168 167 166 165 164 163 162

645 640 635 630 625 620 615 610 605

SEC. 8

SAEED REZAI 68705 REGISTERED PROFESSIONAL ENGINEER STATE OF TEXAS 12-31-84

14

84" R.C. WATER MAIN						
IN CELESTIAL ROAD						
FROM SPRING VALLEY TO DALLAS N. PKWY.						
DALLAS WATER UTILITIES DEPT.						
CITY OF DALLAS, TEXAS						
DESIGN	DRAWN	DATE	SCALE	NOTES	FILE	NO.
S. REZAI	J. CUDE S. PEREZ	JAN. '84	HOR. 1"=40' VERT. 1"=5'	BATTERED 3 FT. AT 1:1 SLOPE	685W	660B

7NA212

Revised By: Doug Munnell 5-14-85
Revision By: S. Rezai 6-27-85