℄ STM. SEW.
CV. DATA
Δ=35°36'13"
R=100.00'
T=32.11'
L=62.14'

STA. 0+23 LAT. T-4 =
PAV. STA. 6+06, 16.78' LT.
CONST. 10' INLET
TC 618.14
FL 611.64

STA. 3+61 LINE T =
STA. 0+00 LAT. T-4 =
PAV. STA. 6+16.77, 3.29' RT.
60° FACT. WYE

2" STREET
LIGHT CONDUIT

STREET LIGHT
(TYP.)

EX. 39" RCP

19+00

4+00

5+00

6+00

7+00

8+00

9+00

PT 5+26.32

12" WTR

LAT. T-4
18" RCP

2" IRRIG. SLEEVE

LINE T
2-48" RCP's

4" PVC SUBDRAIN

LAT. T-3
18" RCP

LAT. T-1
21" RCP

SPECTRUM DRIVE

DALLAS AREA RAPID TRANSIT

EX. CONC. RIP-RAP SLOPE

EX. 39" RCP

57+00

ARAPAHO ROAD

12" WTR

PRC 4+64.18

PCC 4+14.70

℄ STM. SEW.
CV. DATA
Δ=28°21'00"
R=100.00'
T=25.26'
L=49.48'

2" STREET
LIGHT CONDUIT

4" PVC SUBDRAIN

℄ STM. SEW.
CV. DATA
Δ=24°38'54"
R=594.00'
T=129.78'
L=255.54'

STA. 5+31.32 LINE T =
PAV. STA. 4+46.73, 18.28' RT.
CONN. TO EX. 2-39" RCP's
REMOVE EX. HDWL. & CONC.
RIP-RAP

STA. 4+00 LINE T
24" RCP
EQUALIZER

STA. 0+30 LAT. T-3 =
PAV. STA. 6+12.76, 34.75' RT.
CONST. 10' INLET
TC 617.89
FL 611.59

STA. 3+49 LINE T =
STA. 0+00 LAT. T-3 =
PAV. STA. 6+28.90, 8.71' RT.
60° FACT. WYE

STA. 2+30 LINE T
24" RCP
EQUALIZER

STA. 1+59.41 LINE T =
STA. 7+86.10 LINE U =
STA. 0+00 LAT. T-1 =
PAV. STA. 8+20.44, 6' RT.
CONST. JUNCTION BOX

LAT. U-1
21" RCP

LINE U
6'x3' RCBC

N

0 10 20 30 40
SCALE IN FEET

Q_{100}=143.80 cfs
S=0.0002 ft/ft
V=5.72 fps
Hv=0.51 ft

Q_{100}=144.40 cfs
S=0.0003 ft/ft
V=5.75 fps
Hv=0.51 ft

Q_{100}=147.20 cfs
S=0.0003 ft/ft
V=5.80 fps
Hv=0.53 ft

HG 615.58
STA. 5+31.32 LINE T
CONN. TO EX.
2-39" RCP's
REMOVE EX. HDWL.
& CONC. RIP-RAP

STA. 4+00 LINE T
24" RCP
EQUALIZER

HG 615.54
STA. 3+61 LINE T =
0+00 LAT. T-4 =
60° FACT. WYE
HG 615.53

HG 615.53
STA. 3+49 LINE T =
STA. 0+00 LAT. T-3 =
60° FACT. WYE
HG 615.51

STA. 3+15.44 LINE T =
2" IRRIG. SLEEVE

PROP. GRADE ℄ PIPE

HG

EX. GROUND

STA. 2+30 LINE T
24" RCP
EQUALIZER

HG 615.46
STA. 1+66.61 LINE T
℄ INSIDE FACE OF BOX

STA. 1+59.41 LINE T =
STA. 7+36.10 LINE U

620
615
610
605
600
595

EX. 2-39" RCP's
ON 0.20%

2-48" RCP's ON 0.20%

FL EX 2-39" RCP's 612.20
FL 2-48" RCP's 612.20

FL 2-48" 612.14

FL 2-48" 612.04

FL 2-48" 611.94
FL 24" 612.94

FL 2-48" 611.86
FL 18" 613.11

FL 2-48" 611.84
FL 18" 613.09

FL 2-48"
FL 2"

FL 2-48" 611.74

FL 2-48" 611.64

FL 2-48" 611.60
FL 24" 612.60

FL 2-48" 611.54

FL 2-48" 611.46

369.66 LF 2-48" CLASS III RCP's

LINE T

5 4 3 2 1

BENCHMARKS:

"□" CUT SOUTHWEST CORNER OF CURB INLET, WEST SIDE OF SPECTRUM DRIVE, ±30' NORTH OF MORRIS AVENUE.
ELEV. 611.84

"X" CUT ON CONC. TOP OF CURB OF MEDIAN NOSE ON SPECTRUM DRIVE AT INTERSECTION OF McENTIRE PLACE.
ELEV. 619.30

STATE OF TEXAS
DAVID E. MEYERS
81512
REGISTERED
PROFESSIONAL ENGINEER
11/5/04

DATE	DESCRIPTION	REF NO.
1/05/04	ISSUED FOR CONSTRUCTION	
11/07/03	ISSUED FOR BID	

DRAINAGE PLAN & PROFILE
LINE T STA. 1+59.41 TO STA. 5+31.32

SPECTRUM DRIVE EXTENSION

TOWN OF ADDISON, TEXAS

Huitt - Zollars, Inc.
3131 Mckinney Ave., Suite 600, Dallas, TX 75204
Phone (214) 871-3311/Fax (214) 871-0757

DESIGN	DRAWN	APPR.	SCALE	DATE	PROJECT NO.	NO.
HZI	HZI	DEM	H: 1"=20' V: 1"=6'	NOV 2003	01-3220-01	18

h:\proj\01322001\dgn\32200IUD05.DGN

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PT ROTATION=0.000000
h:\proj\01322001\dgn\32200IUD05.DGN
Tue Dec 30 15:45:09 2003
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mei
$ADDVPT, 32200IVPT.DGN, 1-1024-20.22-33.37-16.58-62
PP, 32200IPMLDN, 1-7.25,17.25,23-32.24-37.39,40.42-48.50-60,62,64,66
$ADDPMAP, ARAPUTI.DGN, 1-63
$ADDBASE, ARAPBASE.DGN, 1,42-8,UJ-34.36-39.44-50,54.56-58,61
$ADDPLOT, 32200IPLOT.DGN, 1-44
$ADDORDER, BORDER2.DGN, 63
$ADDVPT, 32200IVPT.DGN, 1-1024-20.22-33.37-16.58-62
PP, 32200IPMLDN, 1-7.25,17.25,23-32.24-37.39,40.42-48.50-60,62,64,66
$ADDPMAP, ARAPUTIL.DGN, 1-63
$ADDBASE, ARAPBASE.DGN, 1,42-8,UJ-34.36-39.44-50,54.56-58,61
$ADDPLOT, 32200IPLOT.DGN, 1-44
$ADDORDER, BORDER2.DGN, 63