EXIST. 84" R.C.P.
Q = 460 c.f.s.
S = 0.50 %
V = 11.7 f.p.s.

EXIST. 84" R.C.P.
Q = 442 c.f.s.
S = 0.48 %
V = 11.5 f.p.s.

EXIST. 84" R.C.P.
Q = 429 c.f.s.
S = 0.45 %
V = 11.2 f.p.s.

EXIST. 78" R.C.P.
Q = 428 c.f.s.
S = 0.67 %
V = 12.9 f.p.s.

EXIST. 78" R.C.P.
Q = 393 c.f.s.
S = 0.56 %
V = 11.8 f.p.s.

EXIST. 84" R.C.P.
Q = 465 c.f.s.
S = 0.53 %
V = 12.1 f.p.s.

EXIST. 84" R.C.P.
Q = 429 c.f.s.
S = 0.45 %
V = 11.1 f.p.s.

EXIST 84" R.C.P.
Q = 428 c.f.s.
S = 0.45 %
V = 11.1 f.p.s.

EXIST. 78" R.C.P.
Q = 369 c.f.s.
S = 0.49 %
V = 11.1 f.p.s.

EXIST. 78" R.C.P.
Q = 359 c.f.s.
S = 0.47 %
V = 10.8 f.p.s.

H.G. 622.30
H.G. 625.40
H.G. 625.82
H.G. 625.79
H.G. 625.99
H.G. 626.10
H.G. 626.19
H.G. 626.73
H.G. 626.94
H.G. 627.30
H.G. 627.52
H.G. 628.26
H.G. 628.37
H.G. 629.02
H.G. 629.09
H.G. 629.47

PROPOSED GROUND LINE
HYDRAULIC GRADIENT
EXIST. GROUND AT ℄ PIPE
100 YR. W.S.
EXIST. 84" R.C.P.
EXIST. 84" R.C.P.
EXIST. 78" R.C.P.

640 635 630 625 620 615 610

FL. 84" @ 615.5±
STA. 1+30

FL. 84" @ 618.4± STA. 7+08
FL. 27" LAT. C-10 @ 620.80

FL. 84" @ 618.8± STA. 7+44
FL. 30" LAT. C-7 @ 620.85

FL. 84" @ 618.0± STA. 7+68
FL. 18" LAT. C-6a @ 621.85

STR. 8+88.7±
15" LAT. BY OTHERS

STA. 9+34

FL. 78" @ 620.21± STA. 9+53
FL. 27" LAT. C-5 @ 622.35

FL. 78" @ 620.64± STA. 9+73
FL. 33" LAT. C-4 @ 622.50

FL. 78" @ 620.81± STA. 9+88
FL. 24" LAT. C-2 @ 623.50

2+00 7+00 8+00 9+00 10+00 11+00

STORM SEWER LINE "C" ⚠

33" R.C.P.
Q = 28.6 c.f.s.
S = 0.28 %
V = 4.7 f.p.s.

33" R.C.P.
Q = 31.3 c.f.s.
S = 0.32 %
V = 5.1 f.p.s.

27" R.C.P.
Q = 19.6 c.f.s.
S = 0.37 %
V = 4.8 f.p.s.

21" R.C.P.
Q = 9.9 c.f.s.
S = 0.37 %
V = 4.0 f.p.s.

H.G. 629.02
H.G. 629.28
H.G. 629.48
H.G. 629.50
H.G. 629.71
H.G. 630.07
H.G. 630.28
H.G. 630.67

PROPOSED GROUND
HYDRAULIC GRADIENT
21" R.C.P. ON 8.15%
T.C. 632.84
INLET C-4a
33" R.C.P. ON 5.00%
33" R.C.P. ON 0.42%
27" R.C.P. ON 0.42%
21" R.C.P. ON 0.42%
C-2
93 L.F. 33" R.C.P.
99 L.F. 27" R.C.P.
101 L.F. 21" R.C.P.

NOTE: FOR CLASS OF PIPE SEE SHEET NO. 43

640 635 630 625 620

FL. 78" @ 620.21± STA. 9+53
FL. 33" LAT. C-4 @ 622.50

PROP. 16" WATER LINE

EXIST. 16" WATER

EXIST. 12" SAN. SEW. PAV. STA. 0+40

FL. 33" @ 624.50

PROP. 16" WATER LINE

FL. 33" @ 624.69 STR. 0+85
FL. 18" LAT. "C-4a" @ 625.31

FL. 33" @ 624.71 STA. 0+90
FL. 21" LAT. C-4a @ 626.21

FL. 33" @ 624.72 STA. 0+93
FL. 27" @ 625.22

FL. 27" @ 625.63 STA. 1+89
FL. 21" LAT. C-4b @ 626.88

FL. 27" @ 625.64 STA. 1+92
FL. 21" @ 626.14

FL. 21" @ 626.97 PAV. STA. 2+80

FL. 21" @ 628.34 STA. 2+93
INLET C-4a

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

LATERAL "C-2"

PROPOSED GROUND
T.C. 632.24
INLET C-2
24" R.C.P. ON 6.73%
℄C
63 L.F. 24" R.C.P.
19'

FL. 24" @ 617.4
PROP. 16" WATER LINE

EXIST. 12" SAN. SEW.

EXIST. 16" WATER TO BE ABANDONED

FL. 24" @ 619.18

FL. 21" LAT. C-3 @ 624.80

FL. 24" @ 623.50

FL. EXIST 78" @ 620.8 ±

LATERAL "C-3"

T.C. 632.28
INLET C-3
21" R.C.P. ON 24.13%
C-2
14 L.F. 21" R.C.P.

FL. 24" @ 624.18

FL. 21" @ 624.90

FL. 21" @ 628.28

LATERAL "C-4" ⚠

AS BUILT PLANS

STORM SEWER LINE "C"
LATERAL "C-2"
LATERAL "C-3"
LATERAL "C-4"

NO.	REVISION	BY	DATE
⚠	REVISED STORM SEWER LINE "C" AND LATERAL "C-4"	M.A.	SEPT. 1985

TEXAS TURNPIKE AUTHORITY
DALLAS NORTH TOLLWAY

STORM SEWER PROFILE

SHIMEK, JACOBS & FINKLEA
CONSULTING ENGINEERS DALLAS, TEXAS

MADE E.W.H. DATE 5-83 TRACED S.E.Y. DATE 5-83
CHECKED M.A. DATE 5-83 SCALE 1"=20' HOR. 1"=5' VERT.

CONTRACT NO. DNT 116 SHEET 48 OF 96

4 OF 16