10'x10' BOX CULVERT
Q=1027.4 cfs
S=0.20%
V=10.3 fps

10'x10' BOX CULVERT
Q=1013.2 cfs
S=0.20%
V=10.1 fps

8'x8' BOX CULVERT
Q=637.1 cfs
S=0.26%
V=10.0 fps

8'x8' BOX CULVERT
Q=632.3 cfs
S=0.25%
V=9.9 fps

H.G. 652.69
H.G. 653.24
H.G. 653.40
H.G. 653.50
H.G. 654.29
H.G. 654.99
H.G. 655.07

660
655
650
645
640
635

205LF TRANSITION FROM 10'x10' TO 8'x8' HORZ. AND VERT. △

PROPOSED GROUND LINE

HYDRAULIC GRADIENT

EXIST. GROUND

TOP= 649.49

EXIST. 10'x10' BOX CULVERT

10'x10' BOX CULVERT ON +0.40%

+ 2.65%

+ 0.70%

8'x8' BOX CULVERT ON + 0.40%

205 L.F. 10'x10' BOX CULVERT

883.68 L.F. 8'x8' BOX CULVERT

TYPE SC-NA 10'x10' BOX CULVERT SEE DETAILS ON STANDARD DRAWING NO. 81

TYPE SC-NA 8'x8' BOX CULVERT SEE DETAILS ON STANDARD DRAWING NO. 81

APPROX. LOCATION 10"ø I.S.

STA. 0+75 10" STEEL GAS I.E. CULVERT = 642.75 & 644.60 TO BE RELOCATED BY OTHERS

FL. EXISTING 10'x10' BOX 642.69

FL. 10'x10' BOX 643.24 STA. 1+38.4
FL. 24" CAT. H-3a 647.28

FL. 10'x10' BOX 643.45 STA. 1+90
FL. 8'x8' BOX LINE "B" 645.45

645.51
643.51
645.51

STA. 2+05

FL. 10'x10' BOX
FL. 8'x8' BOX

STA. 4+60.16

FL. 8'x8' BOX 644.53
FL. 18" CAT. H-3b 648.78

FL. 8'x8 BOX 647.09

STORM SEWER LINE "H"

0+00 1+00 2+00 3+00 4+00 5+00 6+00

H.G. 655.51
H.G. 655.66
H.G. 655.93
H.G. 656.08
H.G. 656.12
H.G. 656.26
H.G. 660.96
H.G. 661.09
H.G. 661.66
H.G. 662.23
H.G. 662.27
H.G. 662.82
H.G. 662.83
H.G. 663.28
H.G. 663.30

8'x8' BOX CULVERT
Q=627.3 cfs
S=0.25%
V=9.8 fps

8'x8' BOX CULVERT
Q=610.7 cfs
S=0.24%
V=9.5 F.P.S.

8'x8' BOX CULVERT
Q=607.5 c.f.s.
S=0.23%
V=9.6 F.P.S.

8'x8' BOX CULVERT
Q=596.2 c.f.s.
S=0.22%
V=9.4 f.p.s

8'x8' BOX CULVERT
Q=480.3 c.f.s.
S=0.14%
V=7.6 f.p.s.

670
665
660
655
650
645
640

FUTURE PAVEMENT

PROPOSED GROUND LINE

EXIST. GROUND

HYDRAULIC GRADIENT

STA. 7+59

8'x8' BOX CULVERT ON + 2.52%

8'x8' BOX CULVERT ON + 1.886%

8'x8' BOX CULVERT ON + 0.40%

PARALLEL WINGWALL HEADWALL SEE DETAILS ON SH. No. 77

TYPE SC-NA SEE DETAILS ON STANDARD DRAWING NO. 81

8'x8' BOX CULVERT STD. DRWG. NO. 81

TYPE SC-NB 8'x8' BOX CULVERT SEE DETAILS ON STANDARD DRAWING NO. 81

TYPE SC-NA 8'x8' BOX CULVERT SEE DETAILS ON STANDARD DRAWING NO. 81

STA. 6+80

STA. 9+00

PVI STA. 10+00

STA. 10+24.03

STA. 10+48.44

STA. 10+76.68

STA. 10+88.68

FL. 8'x8' BOX 647.09

STA. 6+36.75
FL. 8'x8' BOX 647.24
FL. 21" CAT. H-3a 649.36

STA. 7+41.56
FL. 8'x8' BOX 647.66
FL. 21" CAT. 4-3a 650.79

PVI STA. 7+58.06
FL. 8'x8' BOX 647.71

FL. 8'x8' BOX 647.83
FL. 18" CAT. H-4a 651.08

TELEPHONE CABLE VERIFY DEPTH IN FIELD

FL. 8'x8' BOX 652.35

FL. 8'x8' BOX 652.95
FL. 21" CAT. H-1b 656.08

45°ø BEND
FL. 653.64

FL. 8'x8' BOX 654.03
FL. 54" CAT. H-2 656.78

45°ø BEND
FL. 654.27

FL. 8'x8' BOX 654.58

STA. 10+88.68

6+00 7+00 8+00 9+00 10+00

STORM SEWER LINE "H"

AS BUILT PLANS

10 OF 16

STORM SEWER LINE "H"

NO.	REVISION	BY	DATE
1	As-Builts	PJ.	7-87

TEXAS TURNPIKE AUTHORITY
DALLAS NORTH TOLLWAY

STORM SEWER PROFILE

SHIMEK, JACOBS & FINKLEA
CONSULTING ENGINEERS — DALLAS, TEXAS

MADE D.R.B. 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 54 OF 96