FUTURE DEVELOPMENT

N

℄ STORM SWR
Δ = 36°52.10"
R = 527.64'
T = 209.18'
L = 339.82'

PAV. STA. 4+85.00
℄ 20' INLET
TC = 471.67 FL 467.17

21" RCP LAT-"A-4"

PAV. STA. 9+40.27
℄ 20' INLET
TC = 495.52 FL 491.02

KELLY DRIVE

11+87 LN-A =
END 21" BEGIN 18"

LAKEWAY BAY SIDE DRIVE

Bypass 2.06 cfs
Q100 = 15.58 cfs
Bypass 1.97 cfs
Q100 = 11.27 cfs
Q100 = 11.66 cfs

8+95 LN-"A" =
0+00 LAT-"A-4"
24"X21" WYE

8+97 LN-"A"
END 24" BEGIN 21"

11+85 LN-"A" =
0+00 LAT-"A-5"
21"X21" WYE

21" RCP LAT-"A-5"

PAV. STA. 7+83.05
℄ 15' INLET
TC = 487.10 FL 482.60

13+47 LN-"A" =
0+00 LAT-"A-6"
18"X18" WYE

13+50 LN-"A"
END ℄ PLUG 18" RCP

18" RCP LAT-A-6

PT. = 9+07.20

BLOCK-"O"

℄ STORM SWR
Δ = 45°16'45"
R = 105.88
T = 44.82
L = 98.54

PAV. STA. 0+54
℄ 15' Rec. Inlet
TC = 450.18 FL 445.68

4+37 LN-"A" =
0+00 LAT-"A-3"
27"X 18" WYE

4+84.84 LN-"A" =
0+00 LN-"B"
CONST. 6' DIA. M.H.

4+23 LN-A =
0+00 LAT-2
27"X18" WYE

4+39 LN-"A"
END 27" BEGIN 24"

18" RCP LAT-"A-2"

PAV. STA. 0+51.94
℄ 10' Rec. Inlet
TC = 450.24 FL 446.74

PC. 4+04.84

18" RCP LAT-"A-3"

8+73 LN-"A" =
0+00 LAT-"A-1"

SUNSET HILL DRIVE

ONE-EIGHT FLOOR ENVE"

PAV. STA. 6+45
℄ 10' INLET
TC = 448.95 FL 444.45

18" RCP LAT-"A-1"

Q100 = 3.44 cfs

PC. 2+17.96

FT. 2+55.36 SEWER

15' Drain Esmt.

℄ STORM SWR.
Δ = 27°55.49"
R = 100.00'
T = 18.92'
L = 37.40

48" RCP LINE-"A"

15' Drainage Easement

Edge Lake

0+00 LN-"A" CONST.
TYPE "B" HDWL
WITH CONC. RIP RAP-10'
EITHER SIDE OF HEADWALL

BLOCK-"D"

WS 434.99
(7-12-93)

AS-BUILT

BENCHMARKS:
"X" cut in concrete on the center line of Sunset Hill, Paving Sta. -0+10 Elev. 452.96

"X" cut in concrete on the center line intersection of North Lake-Shore Dr. with North Hills Drive. Elev. 515.64

Ø = 48" RCP
Q100 = 121.82 cfs
S = 0.0075 ft/ft
V = 9.90 fps
C = 124.40 cfs

Ø = 48" RCP
Q100 = 118.68 cfs
S = 0.0075 ft/ft
V = 9.90 fps
C = 124.4 cfs

Ø = 27" RCP
Q100 = 47.33 cfs
S = 0.0230 ft/ft
V = 11.94 fps
C = 61.41 cfs

Ø = 27" RCP
Q100 = 43.7 cfs
S = 0.04 ft/ft
V = 11.01 fps
C = 43.79 cfs

Ø = 24" RCP
Q100 = 37.42 cfs
S = 0.0227 ft/ft
V = 11.91 fps
C = 27.47 cfs

Ø 24" RCP
PFS 0.0497 ft/ft
C = 50.43 cfs
d = 1.28'
PARTIAL FLOW

Ø = 21" RCP
PFS = 0.0509 ft/ft
C = 35.75 cfs
d = 1.01'
PARTIAL FLOW

Ø = 18" RCP
PFS = 0.0509 ft/ft
C = 23.7 cfs
d = 0.76'
PARTIAL FLOW

BEGIN PARTIAL FLOW

MATCH LINE STA 8+50

MATCH LINE STA 8+50

100 Year Flood Water Surface = 442.00

Proposed Fill

HGL

HGL

27" RCP ON 2.93%

48" RCP ON 0.28%

24" RCP ON 4.97%

24" RCP ON 4.97%

21" RCP ON 5.09%

18" RCP ON 5.09%

LINE-"A"

LINE-"A"

REVISION DESCRIPTION	DATE
1. Add Conc. Rip Rap @ Sta. 0+00 Line "A"	8-23-93
2. Revise Lot Nos. / Block "D" & Prop. Ground Line Line "A"	1-07-94
3. Revised Inlet locations @ Sunset Hill Drive Lakeway Drive.	1-20-94

HAROLD L. EVANS & ASSOCIATES
Consulting Engineers
P. O. Box 28355
2331 Gus Thomasson Road, Suite 102
Dallas, Texas 75228 (214) 328-8133

DATE	SCALE	DESIGN	DRAWN
JULY 1993	1"=40'H & 1"=6'V	HLE	PN

STORM SEWER PLAN
LINE-"A" & LAT A-1 THRU A-6
HILLCREST SHORES
ROCKWALL, ROCKWALL COUNTY, TEXAS

SHEET NO. 12/18

JOB NO. 9323

TELEDYNE ROST 768795