SCALE
H: 1" = 40
V: 1" = 5'

STORM LINE A

PROPOSED GROUND

MATCH EXISTING GROUND

EXISTING GROUND

PARTIAL FLOW

24" RCP ON 14.45% SLOPE

EXISTING 8" WATER LINE
(NOT FIELD VERIFIED)

EXISTING 12" WATER LINE
(NOT FIELD VERIFIED)

100-YR. HGL

30" RCP ON
1.00% SLOPE

(PARTIAL FLOW)
Q = 24.50 cfs
V_{100} = 23.57 fps
d = 0.73 ft.

30" HDPE ON 0.41% SLOPE

30" HDPE ON 0.41% SLOPE

CONSTRUCT CONCRETE COLLAR

Q_{100}= 28.50cfs
S_f = 0.0048ft./ft.
V_{100}= 5.81fps
$\frac{V^2}{2g}$= 0.52ft.

Q_{100}= 28.50cfs
S_f = 0.0048ft./ft.
V_{100}= 5.81 fps
$\frac{V^2}{2g}$= 0.52ft.

Q_{100}= 28.50cfs
S_f = 0.0046 ft./ft.
V_{100}= 5.66 fps
$\frac{V^2}{2g}$= 0.50 ft.

Q_{100}= 27.80cfs
S_f = 0.0046 ft./ft.
V_{100}= 5.66 fps
$\frac{V^2}{2g}$= 0.50 ft.

STORM LAT A-5

PROPOSED GROUND

EXISTING GROUND

EXISTING 8" WATER LINE
(NOT FIELD VERIFIED)

EXISTING 8" SANITARY
SEWER LINE
(NOT FIELD VERIFIED)

PARTIAL FLOW

(PARTIAL FLOW)
Q = 3.40 cfs
V_{100}= 11.57 fps
d = 0.30 ft.

24" RCP ON 9.75% SLOPE

24" RCP ON 2.50% SLOPE

PROPOSED GROUND

EXISTING GROUND

EXISTING 8" SANITARY
SEWER LINE
(NOT FIELD VERIFIED)

12" RCP ON 9.12% SLOPE

EXISTING 8" WATER LINE
(NOT FIELD VERIFIED)

PARTIAL FLOW

(PARTIAL FLOW)
Q = 0.90 cfs
V_{100}= 7.59 fps
d = 0.16 ft.

SEE SHEET C0.01
FOR GENERAL NOTES

LAKE POINTE CHURCH
NEW CHAPEL / EDUCATION BUILDING
701 linterstate 30 Rockwall, TX 75087

Revision		
No.	Date	Description
2	10/03/2017	(ADDING, ADDED H, ADDED H, AND STORM DRAINAGE)
3	06/11/2018	RECORD DRAWINGS
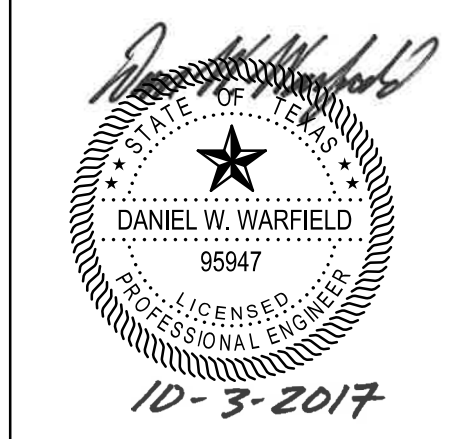
Project No.:	31697
Issued:	08/01/2017
Drawn By:	TRS
Checked By:	DWW
Scale:	AS NOTED
Sheet Title	STORM DRAIN PROFILE
Sheet Number	C6.04

BENCHMARKS				
#	NORTHING	EASTING	ELEVATION	DESCRIPTION
105	7015991.2980	2592962.1928	550.06	SXTP
106	7015431.9569	2593196.4381	543.24	SXTP
320	7015521.4980	2592947.0430	546.21	SXTP
321	7015870.0270	2593095.7245	548.29	SXTP
322	7015977.2058	2593078.3578	549.54	SXTP