

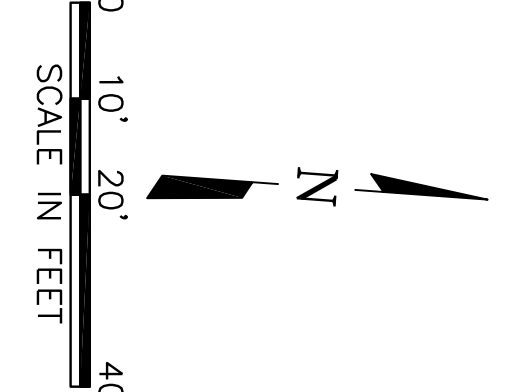
Station	Description	Station	Description	Station	Description
535	STA 1+09.51 LATERAL A1 END 36" RCP AND INSTALL 20" RCI #A1 FL=565.19	535	STA 1+58.36 LATERAL A2 END 18" RCP AND INSTALL 20" RCI #A2 FL=563.40	515	STA 1+97.56 LATERAL A3 END 24" RCP AND INSTALL 20" RCI #A3 FL=545.05
540	STA 1+00 LATERAL A1 = STA 2+75.89 LINE A1 INSTALL 36"x36" 60" WYE FL 36"=563.24	540	STA 1+00 LATERAL A2 REMOVE EX. 18" PLUG AND CONNECT TO EX. 18" RCP. FL=563.00 (FIELD VERIFY) Q ₁₀₀ =13.8 cfs V=7.84 fps S=0.0173 ft/ft Q _{occip} =8.73 cfs	520	STA 1+00 LATERAL A3 STA 3+97.56 LINE A CONNECT 24" RCP FL 24"=542.66 FL 54"=541.53
545	EX. GROUND AT CL. OF PIPE HGL=566.88 HGL=566.51	545	EX. GROUND AT CL. OF PIPE HGL=562.19 HGL=562.98	525	EX. GROUND AT CL. OF PIPE HGL=548.38 HGL=548.08
550	PROP. 205 BYPASS FINISHED GROUND AT CL. OF PIPE HGL=566.50 HGL=566.27	550	PROP. 205 BYPASS FINISHED GROUND AT CL. OF PIPE HGL=563.98 HGL=565.41	530	PROP. 205 BYPASS FINISHED GROUND AT CL. OF PIPE HGL=548.38 HGL=548.75
555	Q ₁₀₀ =25.4 cfs V=5.59 fps S=0.0014 ft/ft Q _{occip} =301.9 cfs	555	Q ₁₀₀ =13.8 cfs V=7.84 fps S=0.0173 ft/ft Q _{occip} =8.73 cfs	535	Q ₁₀₀ =12.5 cfs V=4.01 fps S=0.0031 ft/ft Q _{occip} =13.38 cfs
560		560		540	
565		565		545	
570		570		550	
575		575		555	
580		580		560	

1+00

1+00

1+00

SCALE:
HORIZ: 1" = 20'
VERT: 1" = 5'



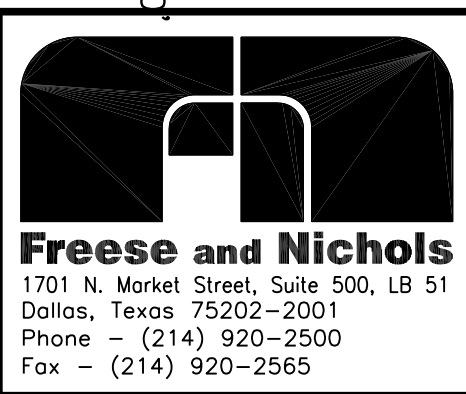
This Record Drawing is a combination of the sealed engineering contract drawings for this project, modified by information furnished by the contractor reflecting changes in the Project made during construction. The original sealed drawings are on file at the offices of
FREESE AND NICHOLS, INC.
 4055 INTERNATIONAL PLAZA, SUITE 200
 FORT WORTH, TEXAS 76109-4895
 (817) 735-7300
 RECORD DRAWINGS PREPARED ON:
 3/16/2009

NO.	ISSUE	BY	DATE	F&N JOB NO.
1	RECORD DRAWINGS	CJP	5/12/09	ROK06114
DESIGNED: KAS DRAWN: KAS CHECKED: TBS FILE NAME: CV-DNG-PP-STRM03.dwg				

VERIFY SCALE: Bar is one inch on original drawing. If not one inch on this sheet, adjust scale.

SHEET: SD-3
 29 OF 86

CITY OF ROCKWALL, TEXAS
205 BYPASS CONSTRUCTION
 CIVIL
STORM SEWER PLAN AND PROFILE
STORM LATERALS A1-A3



THE SEAL THAT ORIGINALLY APPEARED ON THIS DOCUMENT WAS AUTHORIZED BY TRICIA H. HATLEY, P.E., TEXAS REG. ENGINEER NO. 83286, ON 2/22/2009. ALTERATION OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION OF THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.