

**LINE 16**

12+86.12 LINE 16  
REMOVE EX. HEADWALL  
CONSTR. 3x5' STORM  
PIPE MANHOLE  
CONCRETE TO EX. 36" RCP  
RIM 528.72  
100 YR HGL = 518.44

1+89.36 LINE 16  
INSTALL 60" WYE  
COMPACTED FILL TO 95%  
STANDARD DENSITY TO BE  
IN PLACE PRIOR TO  
CONSTRUCTION.

36" RCP  
Q = 71.8 cfs  
Q<sub>max</sub> = 117.8 cfs  
s = 0.0116 ft/ft  
V<sub>max</sub> = 10.16 fps  
V<sub>min</sub> = 1.60 ft

36" RCP  
Q = 69.8 cfs  
Q<sub>max</sub> = 51.2 cfs  
s = 0.0110 ft/ft  
V<sub>max</sub> = 9.88 fps  
V<sub>min</sub> = 1.51 ft

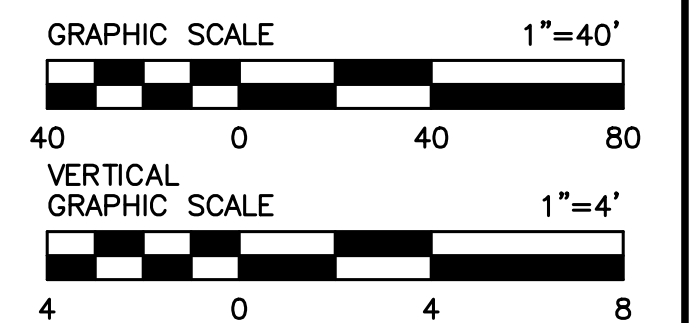
36" RCP  
Q = 66.0 cfs  
Q<sub>max</sub> = 51.7 cfs  
s = 0.0098 ft/ft  
V<sub>max</sub> = 9.34 fps  
V<sub>min</sub> = 1.35 ft

36" RCP  
Q = 62.7 cfs  
Q<sub>max</sub> = 51.8 cfs  
s = 0.0088 ft/ft  
V<sub>max</sub> = 8.87 fps  
V<sub>min</sub> = 1.22 ft

36" RCP  
Q = 63.6 cfs  
Q<sub>max</sub> = 51.6 cfs  
s = 0.0091 ft/ft  
V<sub>max</sub> = 8.99 fps  
V<sub>min</sub> = 1.25 ft

36" RCP  
Q = 10.0 cfs  
Q<sub>max</sub> = 51.9 cfs  
s = 0.0002 ft/ft  
V<sub>max</sub> = 1.41 fps  
V<sub>min</sub> = 0.03 ft

36" RCP  
Q = 47.4 cfs  
Q<sub>max</sub> = 51.6 cfs  
s = 0.0051 ft/ft  
V<sub>max</sub> = 6.71 fps  
V<sub>min</sub> = 0.70 ft



ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

**BENCHMARKS**  
1. X-chiseled in CL of Alley East of Morningstar Drive within the third lot north of Midnight Pass. Elevation = 513.26  
2. PK Nail in CL of Caruth Lane & Alley intersection 150 feet +/- east of Morningstar Drive. Elevation = 491.68

NO.	REVISIONS DURING CONSTRUCTION	BY	DATE

AS-BUILT DRAWING  
TO THE BEST OF JBI PARTNERS, INC. KNOWLEDGE HEREBY STATES THIS PLAN IS AS-BUILT. THE INFORMATION PROVIDED IS BASED ON CONSTRUCTION STAKING AND PAD VERIFICATION AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR.  
DATE: 04-13-2015  
NAME: [Signature]

The seal appearing on this document was authorized by DANIEL DEWEY, P.E., 93961. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.  
DATE: 05-17-2013  
NAME: [Signature]



16301 Quorum Drive  
Suite 200 B  
Addison, Texas 75001  
Main 972.248.7676  
Fax 972.248.1414  
www.jbipartners.com

**STORM PROFILE**  
STM LINE 16 STA: 0+00 - 12+00  
Caruth Lakes Phase 7C  
City of Rockwall, Texas

PROJECT NO. HOE132C  
SHEET NO. 15