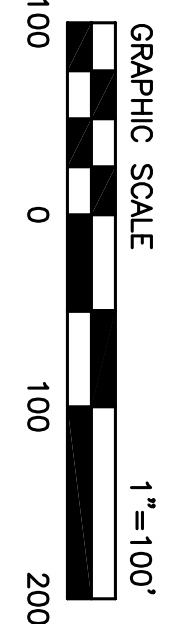
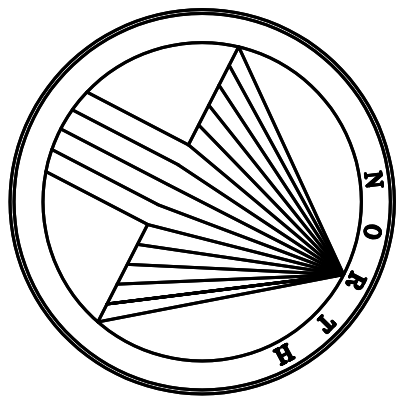


100-YEAR WATER SURFACE
ELEVATION SQUABBLE CREEK
PER CITY OF ROCKWALL
MASTER DRAINAGE STUDY
PREPARED JUNE 2006.

100-YEAR WATER SURFACE
ELEVATION SQUABBLE CREEK
PER CITY OF ROCKWALL
MASTER DRAINAGE STUDY
PREPARED JUNE 2006.

100-YEAR WATER SURFACE
ELEVATION PHELPS BRANCH
(SQUABBLE CREEK TRIBUTARY)
PER CITY OF ROCKWALL MASTER
DRAINAGE STUDY PREPARED
JUNE 2006.



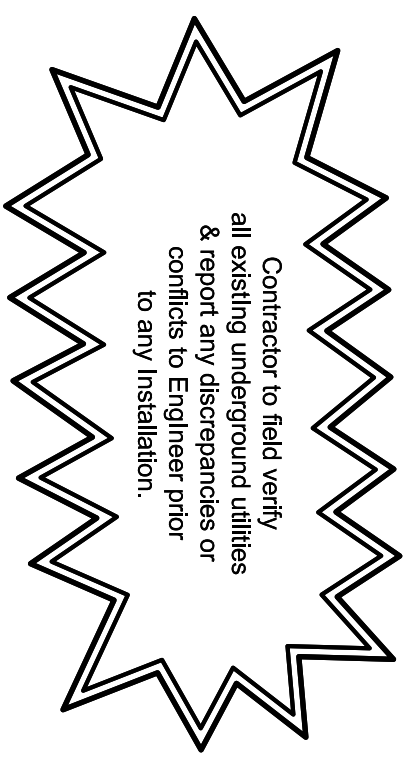
LEGEND

- Existing Contour Interval
- Proposed Drainage Area Divide
- Proposed Drainage Flow Direction
- Proposed Drainage Watershed
- Proposed Drainage Area, AC
- Proposed Flow, cfs
- Existing Drainage Watershed
- Existing Drainage Area, AC
- Existing Flow, cfs
- Proposed Inlet Label
- Proposed Inlet
- Proposed Storm Pipe

DRAINAGE THEORY

Rational Method: $Q=CIA$

- Q ~ runoff (c.f.s.)
- C ~ runoff coefficient
- I ~ C (developed) = 0.5
- I ~ Intensity (mm/hr)
- A ~ Area (acres)
- $W(100yr) = 5.5mm/hr$



BENCHMARKS

1. X-detailed in CL of Alley East of Morningstar Drive within the grid lot north of Midnight Pass. Elevation = 515.26
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	NAME	DATE
				<i>ADG</i>	06-04-2015

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 UNLAWFUL ACT VIOLATING THE ENGINEERING PRACTICE ACT.

07-31-2014

JB PARTNERS

Texas Registered Engineering Firm F-438

18301 Gargum Drive
Suite 200
Addicks, Texas 75001
Main 972.248.7676
Fax 972.248.1414
www.jbpartners.com

PROJECT NO.	PROJECT NAME	SHEET NO.
HOE132F	Drainage Area Map	15
	PHASE 8B	
	Caruth Lakes Phase 8B	
	City of Rockwall, Texas	