



AREA B WILL BE PICKED UP WHEN PHASE 8B IS DEVELOPED. AREA IS SHOWN FOR HYDRAULIC DESIGN OF STORM SYSTEM BEING BUILT WITH PHASE 8A. EXISTING CONDITION OF AREA B WILL CONTINUE TO SURFACE DRAIN TO PHELPS LAKE AND WILL NOT BE INTERCEPTED OR PIPED.

GREEN SPACE  
(BY H.O.A.) LOT  
15, BLOCK O

SEE CARUTH LAKES PHASE 7B  
PLANS FOR DA

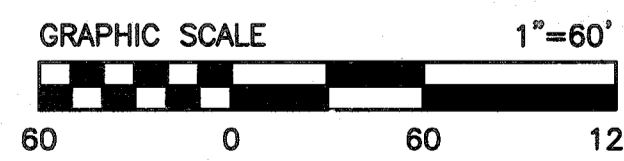
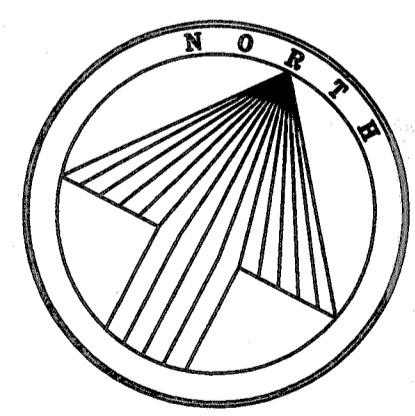
50' LONE STAR GAS EASEMENT  
VOL. 25, PG. 623  
VOL. 43, PG. 122

**DRAINAGE THEORY**  
Rational Method:  $Q=CIA$   
Q ~ runoff [c.f.s.]  
C ~ runoff coefficient  
C(developed) = 0.5  
I ~ Intensity [in/hr]  
I(100yr) = 9.8in/hr  
A ~ Area [acres]

Contractor to field verify all existing underground utilities & report any discrepancies or conflicts to Engineer prior to any installation.

Contractor to call for locates 48 hrs. prior to beginning construction. Contractor shall be responsible for repairing utilities damaged during construction.  
Atmos Gas 1-800-344-8377  
Southwestern Bell Telephone 1-800-395-0440  
ONCOR Electric 1-800-233-2133  
Texas One 1-800-245-4545

- LEGEND**
- 617 --- Existing Contour Interval
  - Proposed Drainage Area Divide
  - Proposed Drainage Flow Direction
  - 16J  
1.48  
7.25 Proposed Drainage Watershed
  - Proposed Drainage Area, AC
  - Proposed Flow, cfs
  - A Proposed Inlet Label
  - Proposed Inlet
  - Proposed Storm Pipe



**AS-BUILT DRAWINGS:**  
TO THE BEST OF JBI PARTNERS, INC.'S KNOWLEDGE, JBI HEREBY STATES THAT 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.

Daniel Dewey 4/11/2014  
Name Date

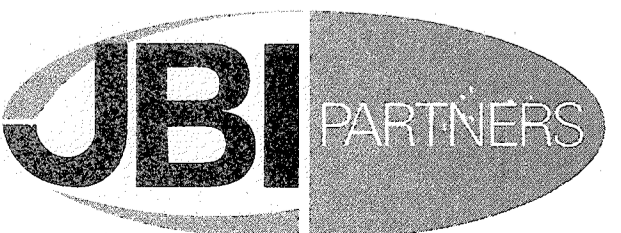
ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN.

**BENCHMARKS**

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

NO.	REVISIONS DURING CONSTRUCTION	BY	DATE	NO.	SUBMITTALS	DATE

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.



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

Texas Registered Engineering Firm F-438

<b>DRAINAGE AREA MAP</b>		PROJECT NO.
Phase 8A		HOE132
Caruth Lakes Phase 8A		SHEET NO.
City of Rockwall, Texas		16