

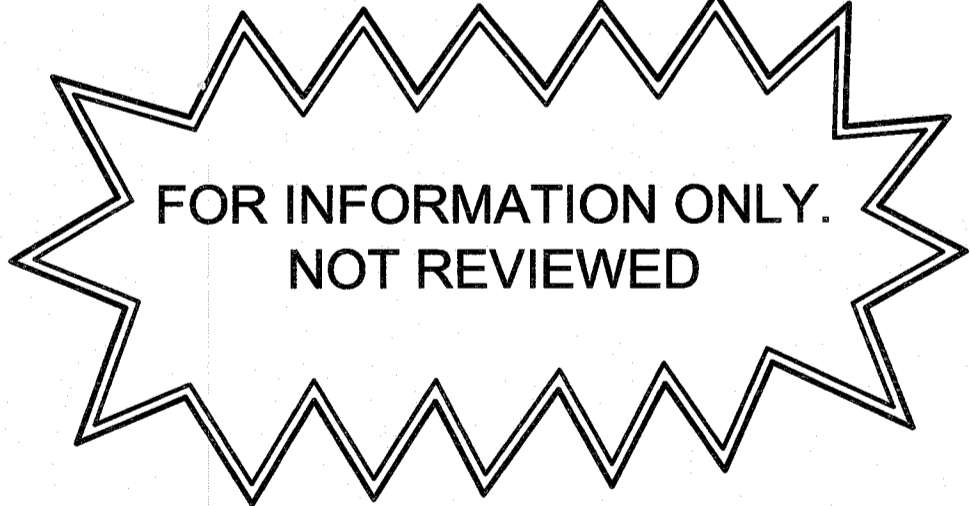
( IN FEET )  
1 inch = 100 ft.

**LEGEND**

- Existing Contour Interval
- Proposed Drainage Area Divide (NOT TO SCALE)
- Proposed Drainage Flow Direction
- Proposed Drainage Watershed  
Proposed Drainage Area, AC  
Proposed Flow, cfs
- Proposed Inlet Label
- Proposed Inlet
- Proposed Storm Pipe

**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]



AS-BUILT DRAWINGS: 02/01/2013  
 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.  
 Daniel Dewey 2-1-13  
 Name Date

CONSTRUCTION SET 07-27-12  
 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.

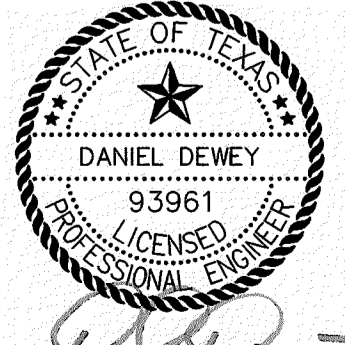
PHELPS LAKE  
 NORTH SIDE  
 EXISTING ELEVATION 516.0  
 TOP OF DAM 514.8



**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	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.



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**DRAINAGE AREA MAP**  
 Overall Phase 7  
 Caruth Lakes Phase 7B  
 City of Rockwall, Texas

PROJECT NO.  
 HOE132  
 SHEET NO.  
 15

Drawing: J:\Projects\HOE\328\HOE328-DA\_OVERALL.dwg Saved By: ddewey Save Time: 7/25/2012 8:03 AM  
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