

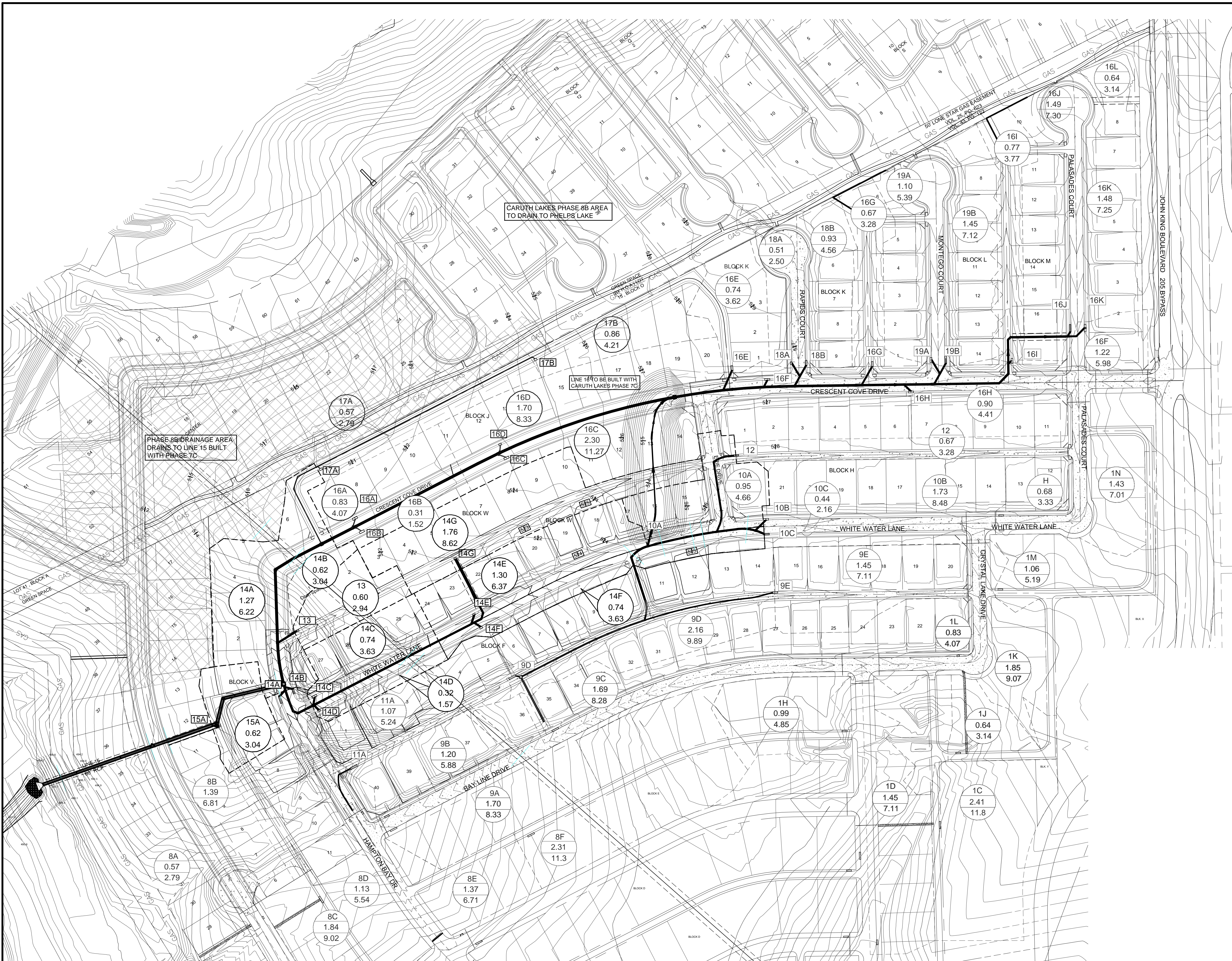
LEGEND

- 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
- 16J
1.48
7.25 Existing Drainage Watershed
Existing Drainage Area, AC
Existing Flow, cfs
- A 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]



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.

[Signature]
 NAME
 04-13-2013
 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.

[Signature]
 05-17-2013
 DATE



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Texas Registered Engineering Firm F-438

DRAINAGE AREA MAP

Caruth Lakes Phase 7C
 City of Rockwall, Texas

PROJECT NO.
 HOE132C
 SHEET NO.
 9

Drawing: H:\Projects\HOE132C\DWG\AS-BUILT\AS-BUILT\909-7C DRAINAGE AREA MAP.dwg Saved By: ychoi Save Time: 4/13/2013 2:46 PM Plotted by: ychoi Plot Date: ...