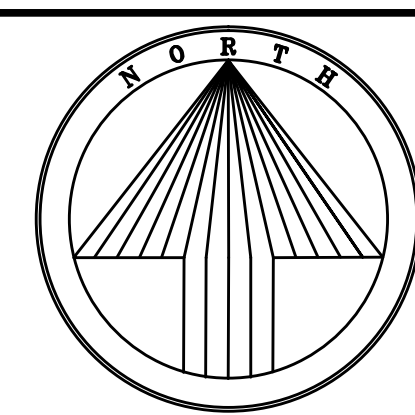
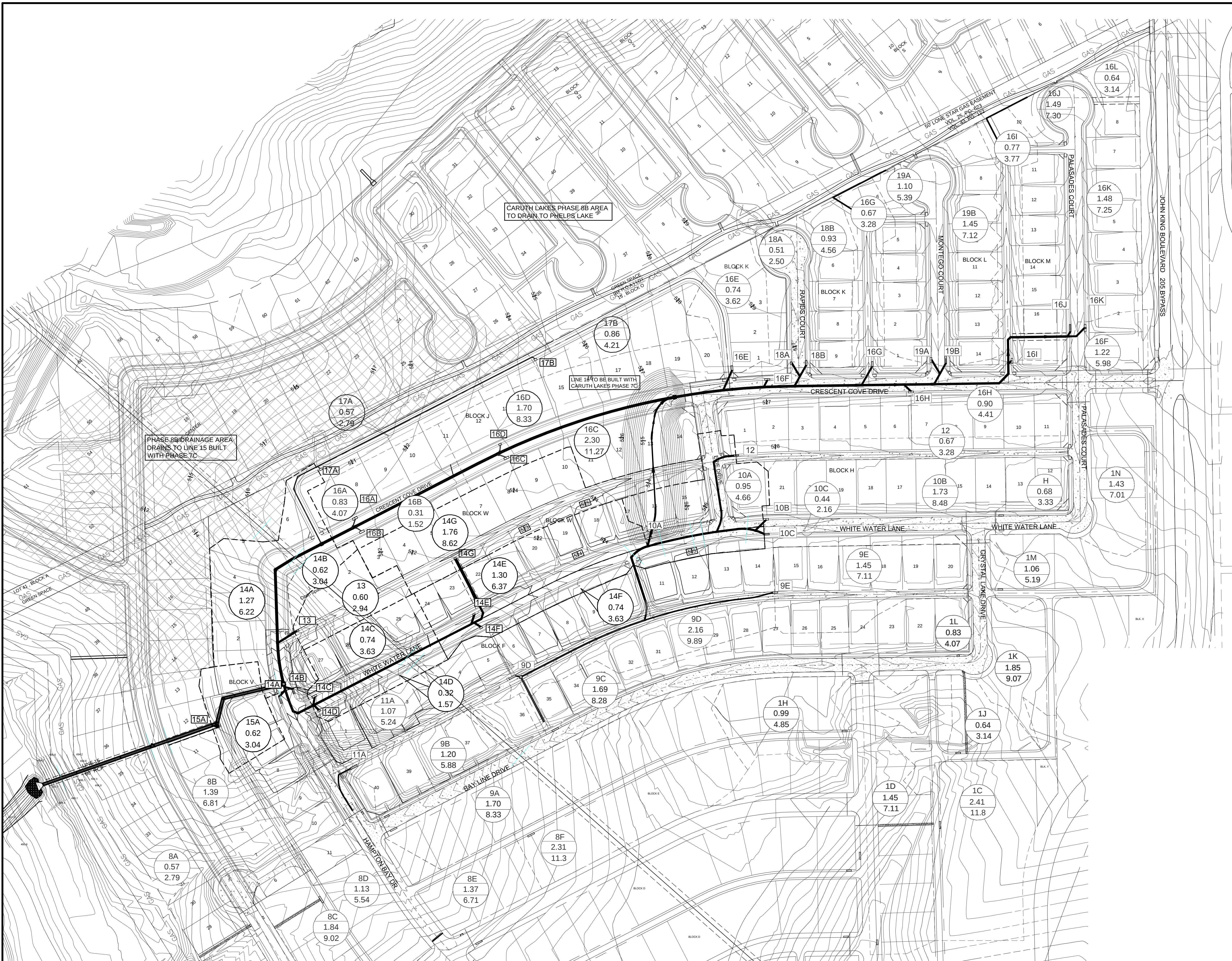


LEGEND

- 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

04-13-2015

DATE

STATE OF TEXAS

DANIEL DEWEY

93961

PROFESSIONAL ENGINEER

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.

JBIPARTNERS

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DRAINAGE AREA MAP	PROJECT NO.
Caruth Lakes Phase 7D	HOE132
City of Rockwall, Texas	SHEET NO.
	10

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.

Plotted by: ychoi Plot Date: 4/13/2015 2:46 PM