

**BENCHMARK:**  
City of Wichita benchmark at the SE corner of intersection of 135th Street West and 13th Street North.  
Elev. = 167.83 (City Datum)

Brass Benchmark Disc Adjacent to Fire Hydrant at E. End of E. Curb Return of Ponderosa & Ponderosa Ct.  
Elev. = 170.96 (City Datum)

Sta. 0+00, Line 2. Begin Const. of 3-8'x3' RCBC w/RC Headwall, Flared Wingwalls and Conc. Apron, the cost of which shall be included in the cost of RCBC. See Detail Sheet 6 and 7. Install 111 S.Y. of Heavy Stone Rip-Rap. Install Hand Rail Along Hubguard Per Detail, See Sheet 8.

Sta. 0+13.8, Line 2 Contractor to Construct Blockout for 24" RCP. Cover B/O with Plywood & Locate w/Fluorescent Green 2"x4"

Sta. 0+15.5 to Sta. 0+54.5 Install 39.0 L.F. Flowable Fill Per City Specifications. Fill to Elev. 162.10

Sta. 0+56.7, Line 2 Contractor to Construct Blockout for 24" RCP. Cover B/O with Plywood & Locate w/Fluorescent Green 2"x4"

Sta. 0+70.0, Line 2. End Const. of 3-8'x3' RCBC w/RC Headwall, Flared Wingwalls and Conc. Apron, the cost of which shall be included in the cost of RCBC. See Detail Sheet 6 and 7. Install 111 S.Y. of Heavy Stone Rip-Rap. Install Hand Rail Along Hubguard Per Detail, See Sheet 8.

Scale: 1" = 20' Horizontal  
1" = 5' Vertical  
• = Iron

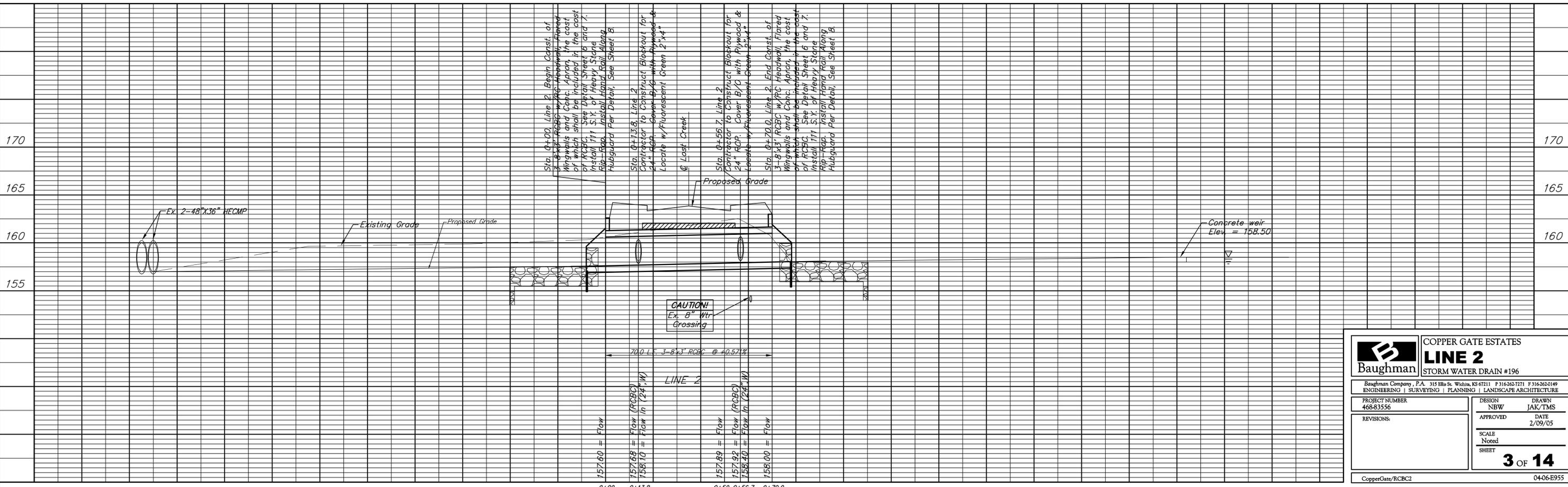
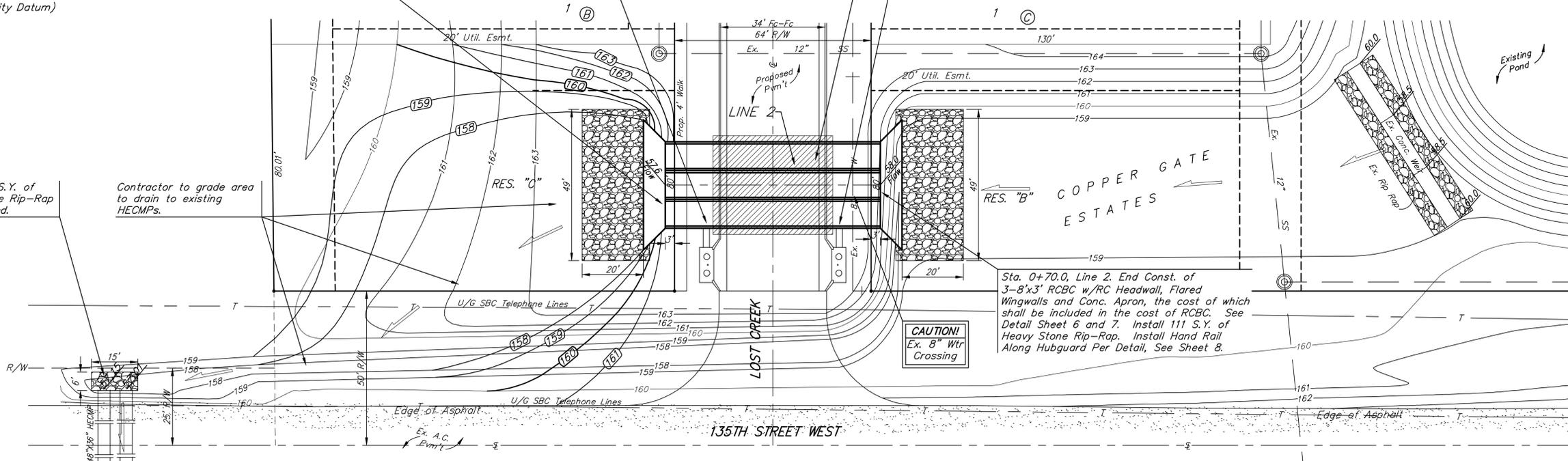
159 Proposed Contours  
160 Existing Contours

**RCBC NOTES:**

1. Cost of Bedding & Stabilization Below RCBC Shall Be Incidental to Construction of 2-8'x4' RCBC.
2. Contractor Shall Supply Engineer With Handrail Shop Drawings for Approval Prior To Construction.
3. Contractor Has Option To Substitute The Cast-in-Place RCBC with a Pre-Cast Box Culvert. Contractor To Supply Engineer with Shop Drawings of Pre-Cast Box Prior To Construction.
4. The RCBC Contractor is Responsible To Backfill The Box in 8" Lifts and Compact Material to 95% Std. Density. All Earth Backfill Material Will Be Supplied On-site.
5. The RCBC Contractor is Responsible to Complete All Finish Grading Around The Box.
6. Contractor To Remove Only Trees As Required For Construction. Save All Trees That Are Marked With Green Ribbon Tape.
7. RCBC Shall Be Constructed on 3" Concrete Seal Course unless Pre-Cast Box Option is Chosen. The Contractor Shall Bed Pre-Cast Box on 1' Depth of 3/4" Dolesse Stone.

Install 10 S.Y. of Light Stone Rip-Rap as Indicated.

Contractor to grade area to drain to existing HECMPs.



**Baughman** ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

**COPPER GATE ESTATES**  
**LINE 2**  
STORM WATER DRAIN #196

Baughman Company, P.A. 315 Ellis St. Wichita, KS 67211 P 316-262-7271 F 316-262-0149  
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER 468-83556	DESIGN NBW	DRAWN JAK/TMS
REVISIONS:	APPROVED	DATE 2/09/05
SCALE Noted		<b>3 OF 14</b>
SHEET		

CopperGate/RCBC2 04-06-E955