

**BENCHMARK:**  
City Disc In T.C. Adj. to F.H. 38' South of intersection of Onewood and Auburn Hills. Elev. = 178.48 (City Datum)

"□" cut in south curb of Onewood 272' west of C.L. Auburn Hills. Elev. = 179.73 (City Datum)

Remove 97.4 S.Y. existing heavy stone rip-rap as necessary for RCBC construction. Material may be re-used if in suitable condition.

Sta. 0+13.9, Line 1 Const. Std. Double Curb Inlet (10'x4'). Top Elev. = 171.20

Sta. 0+00, Line 1 Begin at blackout in RCBC and extend SWS NW.

Sta. 0+13.9 to Sta. 0+55.7 Install 41.8 L.F. Flowable Fill per City Specs.

Sta. 0+55.7, End Line 1 Const. Std. Double Curb Inlet (10'x3'). Top Elev. = 171.20

**Pond Data:**  
Static WS = 159.0  
100-yr WS = 164.0  
Pond Bottom = 152.0

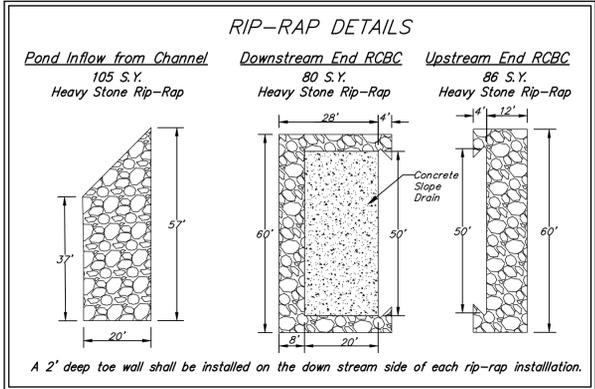
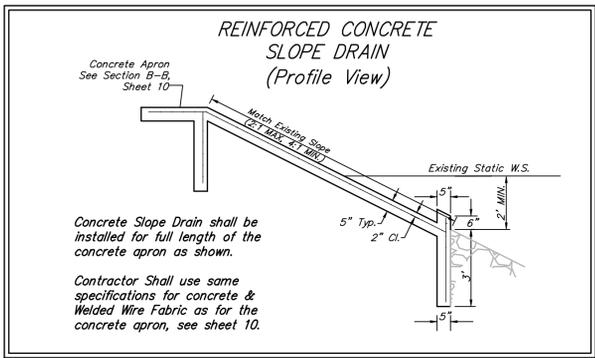
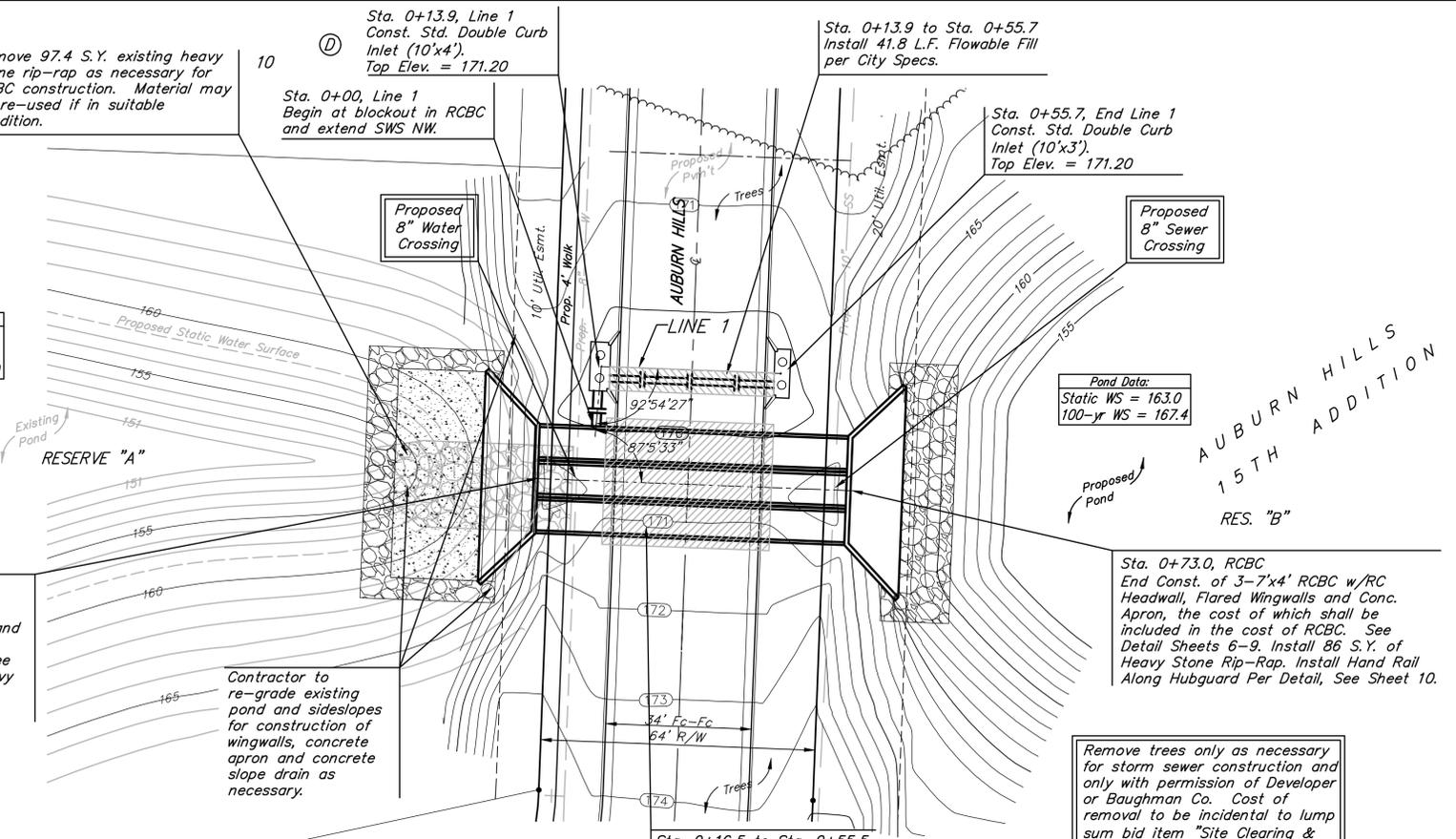
**Pond Data:**  
Static WS = 163.0  
100-yr WS = 167.4

Sta. 0+00, RCBC Begin Const. of 3-7'x4' RCBC w/RC Headwall, Flared Wingwalls, Conc. Apron, and Concrete Slope Drain, the costs of which shall be included in the cost of RCBC. See Detail Sheets 6-9. Install 80 S.Y. of Heavy Stone Rip-Rap. Install Hand Rail Along Hubguard Per Detail, See Sheet 10.

Contractor to re-grade existing pond and sideslopes for construction of wingwalls, concrete apron and concrete slope drain as necessary.

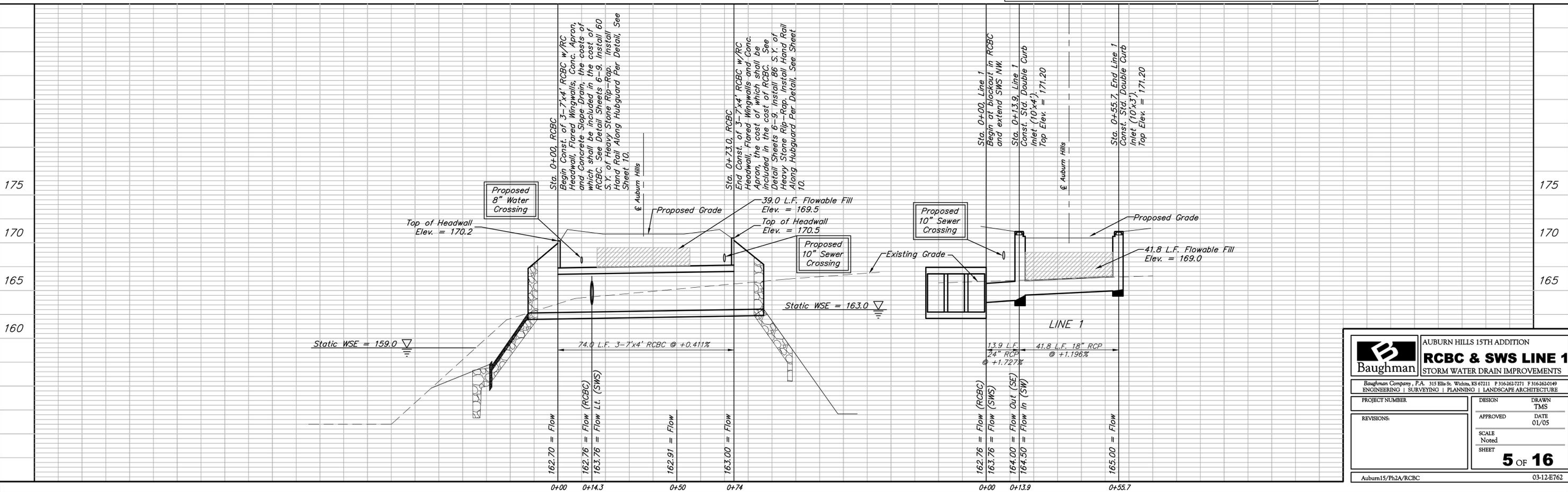
Remove trees only as necessary for storm sewer construction and only with permission of Developer or Baughman Co. Cost of removal to be incidental to lump sum bid item "Site Clearing & Restoration".

Sta. 0+16.5 to Sta. 0+55.5 Install 39.0 L.F. Flowable Fill per City Specs.



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

- RCBC NOTES:**
1. Cost of Bedding & Stabilization Below RCBC Shall Be Incidental to Construction of 3-7'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.
  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" Dolose Stone.
  8. Contractor Shall Extend Headwalls to elevations shown on this plan. Wingwalls shall also be extended as noted on the Wingwall Detail, Sheet 7.



**Baughman** AUBURN HILLS 15TH ADDITION  
**RCBC & SWS LINE 1**  
STORM WATER DRAIN IMPROVEMENTS

Baughman Company, P.A. 315 Ellis St. Winston, NC 27211 P 316-262-7271 F 316-262-0149  
ENGINEERING | SURVEYING | PLANNING | LANDSCAPE ARCHITECTURE

PROJECT NUMBER	DESIGN	DRAWN
REVISIONS:	APPROVED	DATE
	SCALE	5 OF 16
	SHEET	

Auburn15/Ph2A/RCBC 03-12-E762