INLET DESIGN CALCULATIONS

INLET		Design Storm Frequency	AREA RUNOFF Q = CIA					Carry-Over From Upstream Inlet	Total Gutter Flow	Gutter Capacity	Gutter Slope	Crown Type	SELECTED INLET		Inlet Capacity
Inlet No.	Location		Time of Conc. (min)	Intensity I (in./hr.)	Runoff Coeff. "C"	Area (ac.)	"Q" (c.f.s.)	(c.f.s)	(c.f.s.)	(c.f.s.)	(ft/100ft)		Length "L" (Feet)	Type	(c.f.s.)
1	LINE "A"	100	10	9.8	0.90	0.57	5.03	0	5.03		3.47%	–	10'	IV	–

DRAINAGE CALCULATIONS

AREA NO.	AREA (AC.)	TC (MIN.)	C	I 100 IN/HR	Q 100 C.F.S.	DRAINS TO
1	0.57	10	0.90	9.80	5.03	10' inlet

CAUTION EXISTING UTILITIES !!!

EXISTING UTILITIES AND UNDERGROUND FACILITIES INDICATED ON THESE PLANS HAVE BEEN LOCATED FROM REFERENCE INFORMATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY BOTH HORIZONTALLY AND VERTICALLY THE LOCATION OF ALL EXISTING UTILITIES AND UNDERGROUND FACILITIES PRIOR TO CONSTRUCTION, TO TAKE THE NECESSARY PRECAUTIONS IN ORDER TO PROTECT ALL FACILITIES ENCOUNTERED. THE CONTRACTOR SHALL PRESERVE AND PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION.

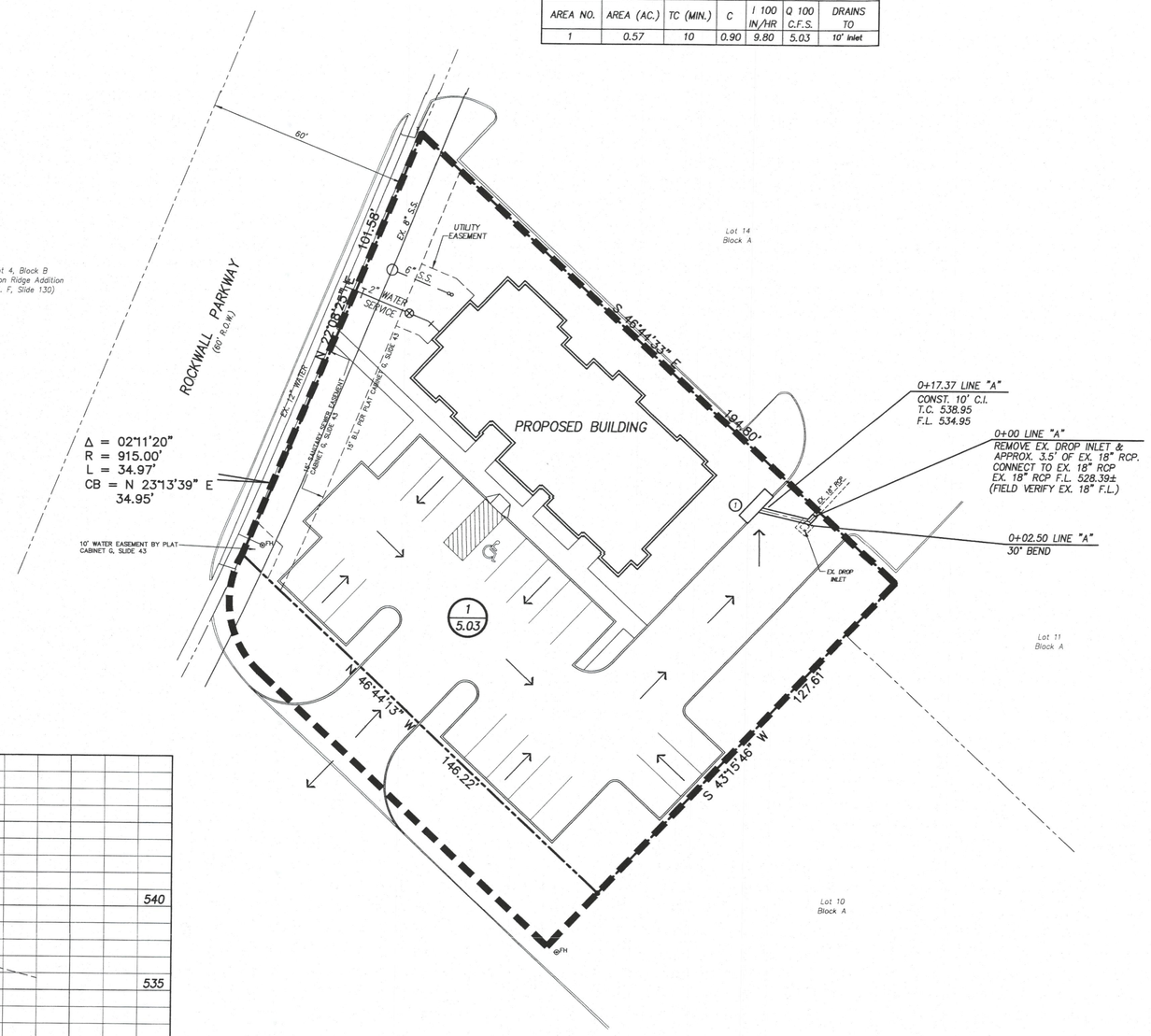
BENCHMARK NO 1:

CITY OF ROCKWALL CONTROL MONUMENT NO. RESET#1

ELEV: 567.70

N
W E
S

20 10 0 20 40
1" = 20'



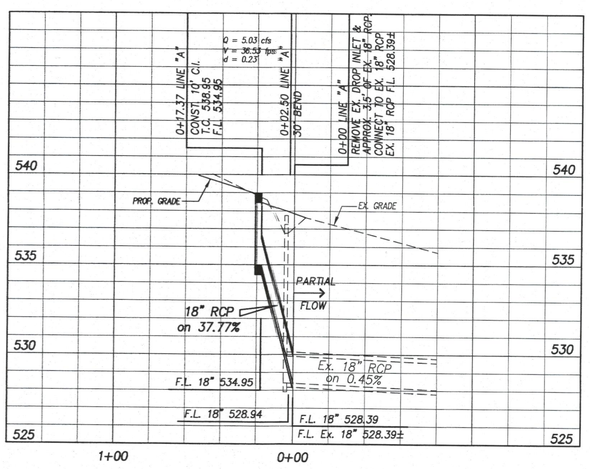
LEGEND

DRAINAGE DIVIDE

AREA NO.
RUNOFF – Q_{100}

INLET NO. (1)

FLOW DIRECTION



LINE "A"

SCALE: H 1" = 40'
V 1" = 4'

NOT FOR CONSTRUCTION

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Revision	Date	Description

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~ Civil Engineer ~
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This document is released for the purpose of interim review under the authority Christopher R. Cuny P.E. 65642 on March 15, 2010. It is not to be used for Construction, Bidding, or Permit purposes.

Drawn By: F.C. CUNY	Checked By: F.C. CUNY
Date: 03/10	Project No.: –

Sheet Title: Drainage Plan

Scale:	Sheet No.:
1" = 20'	7 of 8

Z:\Projects\G-Commercial\Dr. Miller\MILLER-STORM.dwg Tue Mar 23 10:21:25 2010