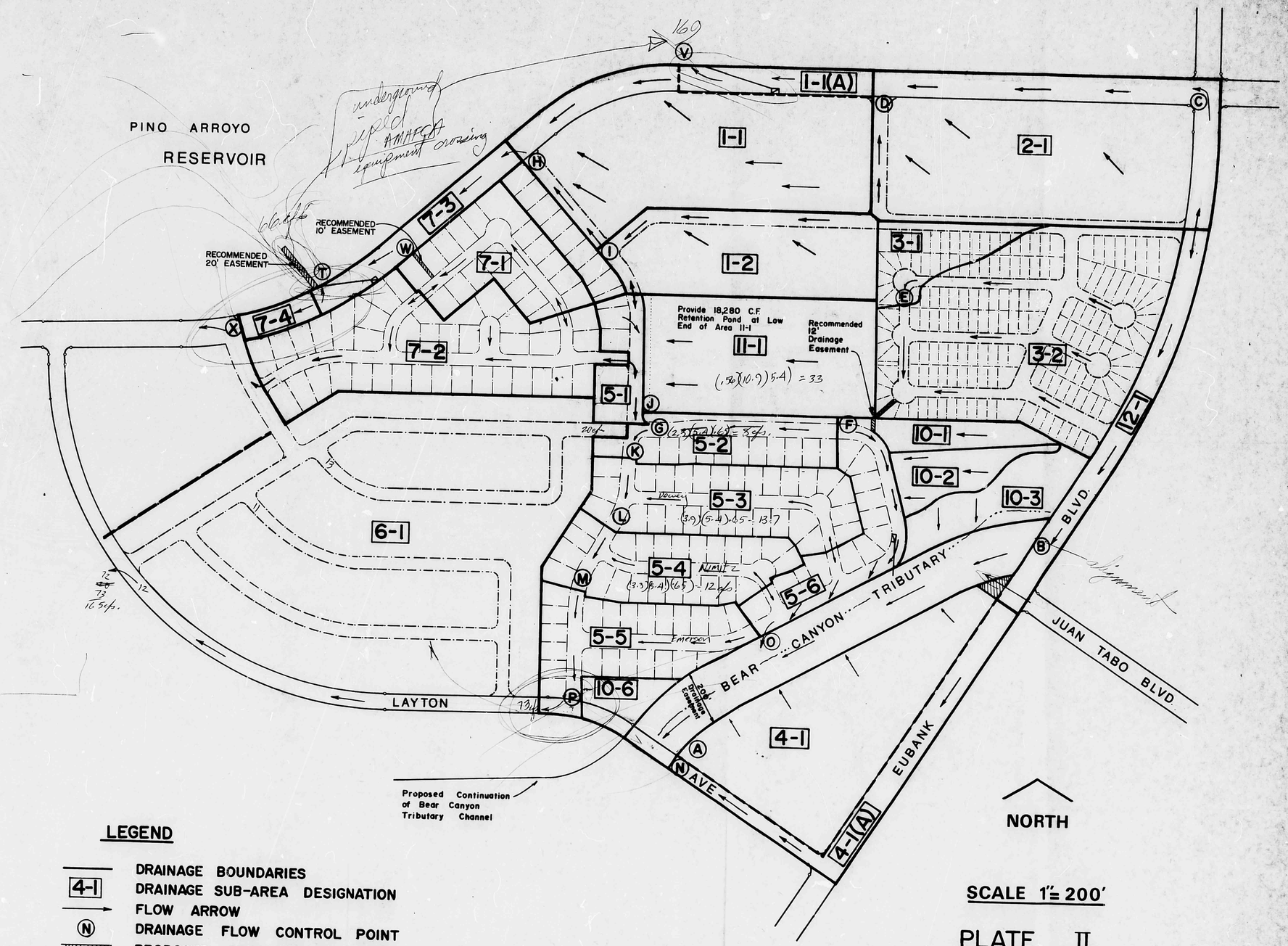
HYDROLOGY

E21/D1
FIVE PLANS

E21/D1

5 Plans



LEGEND

- DRAINAGE BOUNDARIES
- 4-1 DRAINAGE SUB-AREA DESIGNATION
- FLOW ARROW
- (N) DRAINAGE FLOW CONTROL POINT
- PROPOSED DRAINAGE EASEMENT
- DROP INLET WITH APPURTENANT OUTLET PIPE

SCALE 1" = 200'

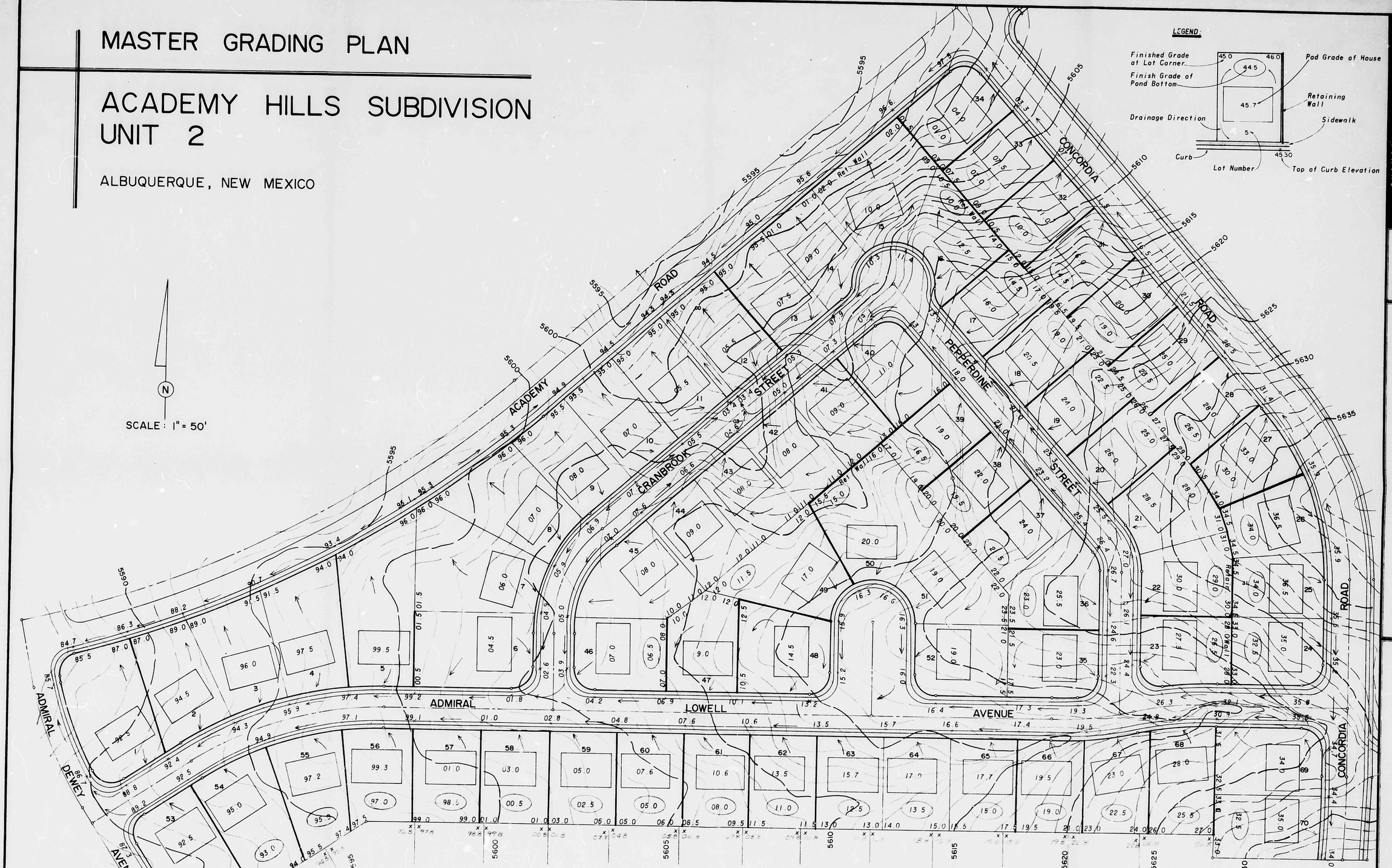
PLATE II

MASTER DRAINAGE MAP

MASTER GRADING PLAN

ACADEMY HILLS SUBDIVISION UNIT 2

ALBUQUERQUE, NEW MEXICO



APPROVAL	
ASS'T CITY ENGINEER	CITY ENGINEER
DATE	DATE
TRAFFIC ENGINEER	HYDROLOGY ENGINEER
DATE	DATE

ESTIMATED EARTHWORK QUANTITIES

25,300	Excavation
49,500	Fill
30,000	Borrow Req'd (from Academy Hills, Unit 3)

NOTE: The Engineer assumes no liability as to the correctness of the above quantities. The Contractor shall make his own take-off for bidding and payment purposes.

CHAMBERS — CAMPBELL
ISAACSON — CHAPLIN, INC.
ARCHITECTS ENGINEERS PLANNERS

JOB NO.	
DATE	
DRAWN	
CHECKED	

sheet 9 of 9

CITY OF ALBUQUERQUE
THIS MICROIMAGE IS THE BEST POSSIBLE REPRODUCTION DUE TO THE POOR QUALITY OF THE ORIGINAL DOCUMENT

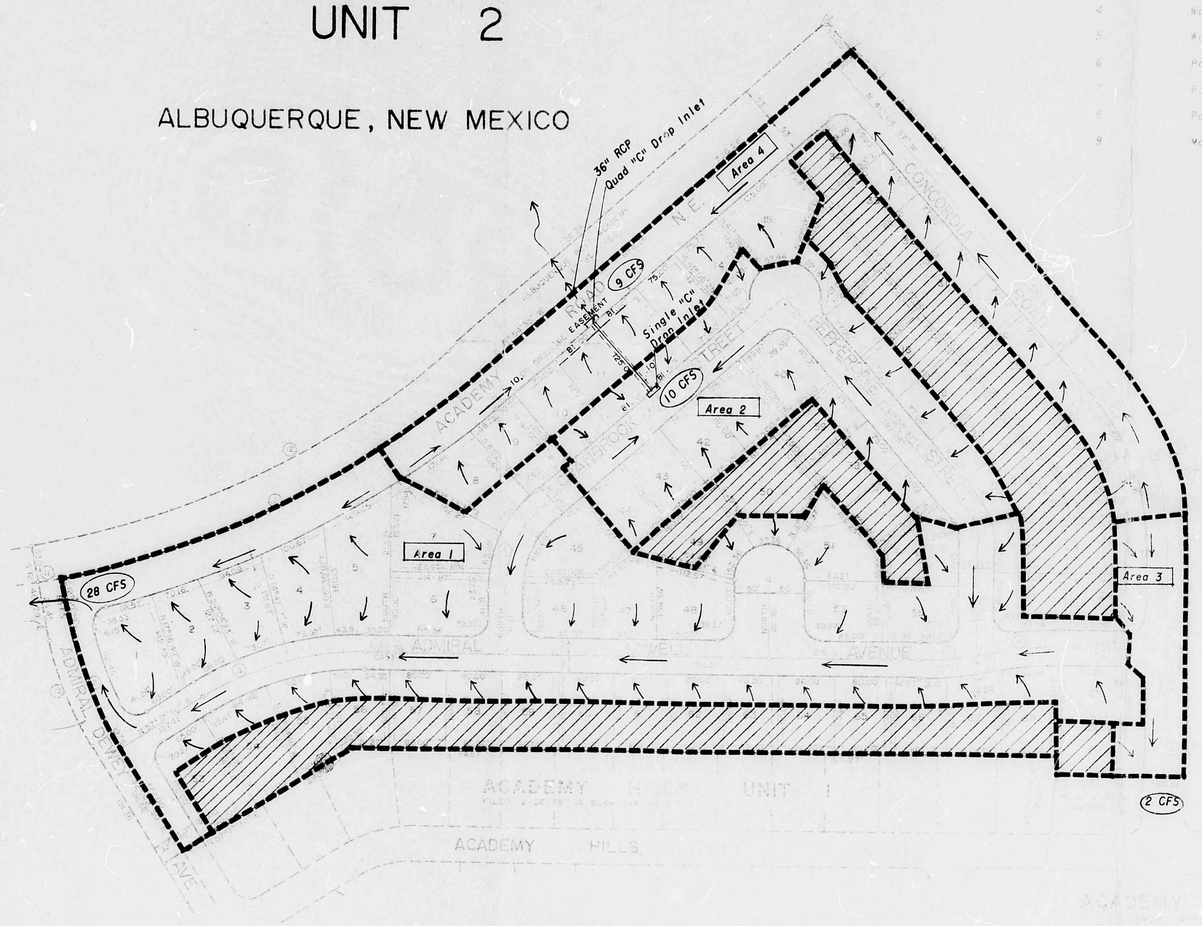
ACADEMY HILLS SUBDIVISION

UNIT 2

ALBUQUERQUE, NEW MEXICO

CURVE DATA

CURVE	DELTA	RADIUS	ARC LENGTH	TANGENT
1	29°04'26"	1295.98	659.13	336.46
2	20°03'21"	446.92	156.37	79.06
3	32°42'50"	426.99	243.17	125.09
4	11°32'13"	494.95	99.66	50.00
4-1	08°11'09"	494.95	74.35	37.21
4-2	07°21'04"	494.95	70.31	35.16
5	22°28'37"	2361.43	101.65	50.42
6	4°54'25"	164.92	146.78	73.38
7	41°03'42"	96.78	69.93	36.51
8	31°02'47"	311.23	279.27	145.09
9	41°03'41"	363.78	260.71	136.23
10	02°06'17"	2301.43	101.69	50.85
11	01°24'35"	1245.56	32.91	16.47
12	30°39'49"	1242.96	664.96	340.39
13	20°08'21"	474.92	167.68	84.67



PREPARED BY
CCIC
Chambers, Campbell, Isaacson, Chaplin, Inc.

DEVELOPER
a joint venture of amdec and home planning development corporation

SUBDIVISION PLAT
1" = 100'

INDEX TO DRAWINGS

SHEET NO	TITLE
1	Title Sheet
2	Water and Sewer Layout
3	Water & Sewer Plans - Admiral Lowell & Admiral Dewey Avenues
4	Water & Sewer Plans - Academy Road & Concordia Road
5	Water & Sewer Plans - Cranbrook & Pepperdine Streets
6	Paving Plans - Admiral Lowell & Admiral Dewey Avenues
7	Paving Plans - Academy Road & Concordia Road
8	Paving Plans - Cranbrook & Pepperdine Streets
9	Master Grading Plan

DEVELOPED DRAINAGE FLOWS
Addendum No. 1

Onsite Undeveloped Flows
Total Site = 22.80 Ac.
Undeveloped Q = (22.80)(5.4)(0.35) = 43 CFS

Onsite Developed Flows

	Ac	C	I	Q
Area 1	9.5	0.55	5.4	28
Area 2	3.3	0.55	5.4	10
Area 3	0.8	0.55	5.4	2 CFS
Area 4	3.1	0.55	5.4	9 CFS
				49 CFS

CHAMBERS — CAMPBELL
ISAACSON — CHAPLIN INC
ARCHITECTS ENGINEERS ALBUQUERQUE

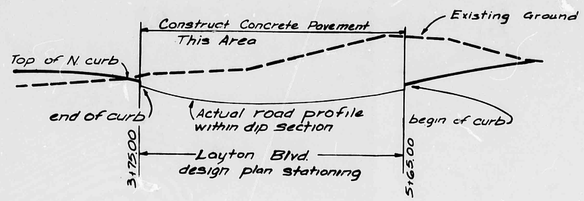
JOB NO.
DATE
DRAWN
CHECKED

ASS'T CITY ENGINEER — DATE
DATE
WATER ENGINEER — DATE
DATE
DEPT. PARKS & RECREATION

sheet 1 of 9

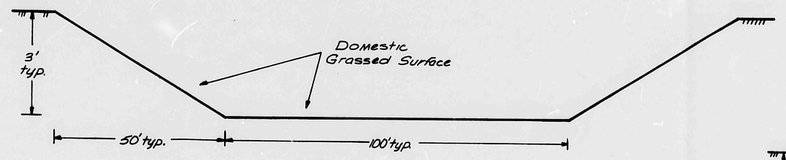
PLATE IV

BEAR CANYON TRIBUTARY CHANNEL – PROFILE & SECTIONS

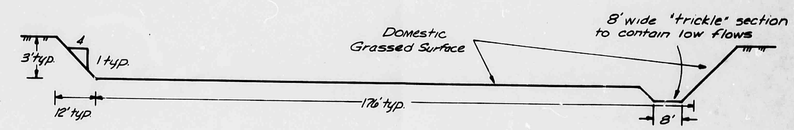


Section AA
Concrete Dip Section at Layton Blvd.

Scale:
horiz. 1"=50'
vert. 1"=10'



Section BB
Channel Sta. 0+00



Section CC
Channel Sta. 1+00 thru 17+55 Typical

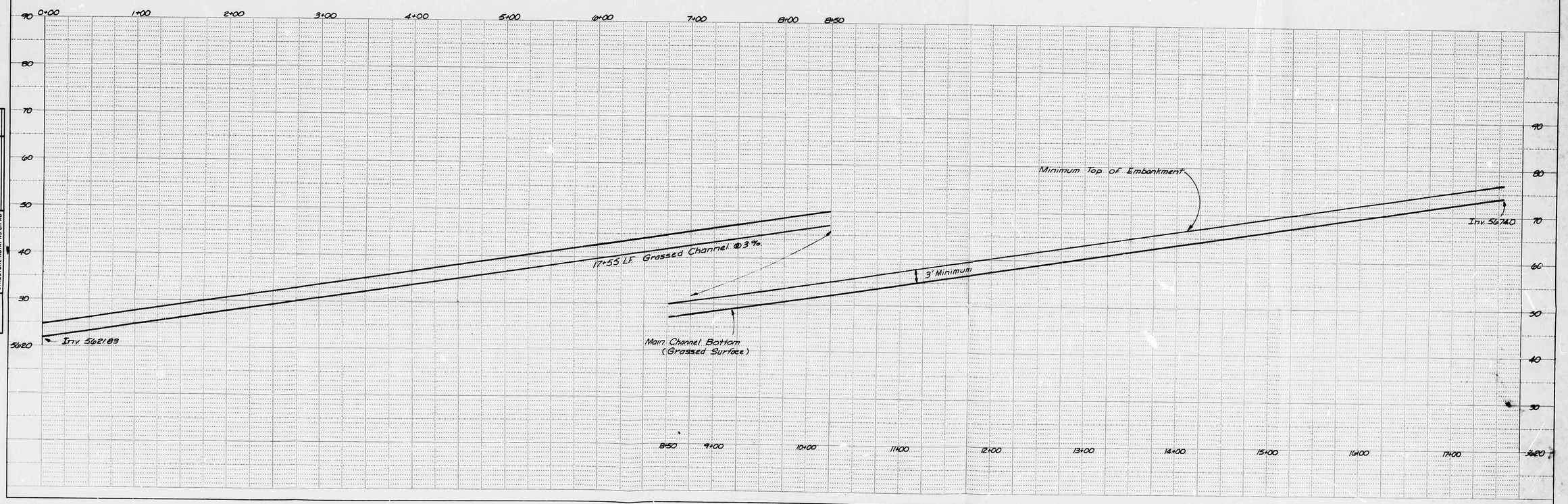


PLATE 1 SINGLE PLAN - PROFILE - DOTTED
CHARLES BRUNING COMPANY
MADE IN U.S.A.

PLAN		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

PROFILE		BY	DATE
NOTE BOOK	SURVEYED		
NO.	PLOTTED		
	GRADES CHECKED		
	B. M. NOTED		
	STRUCTURE NOTATIONS CH'KD		

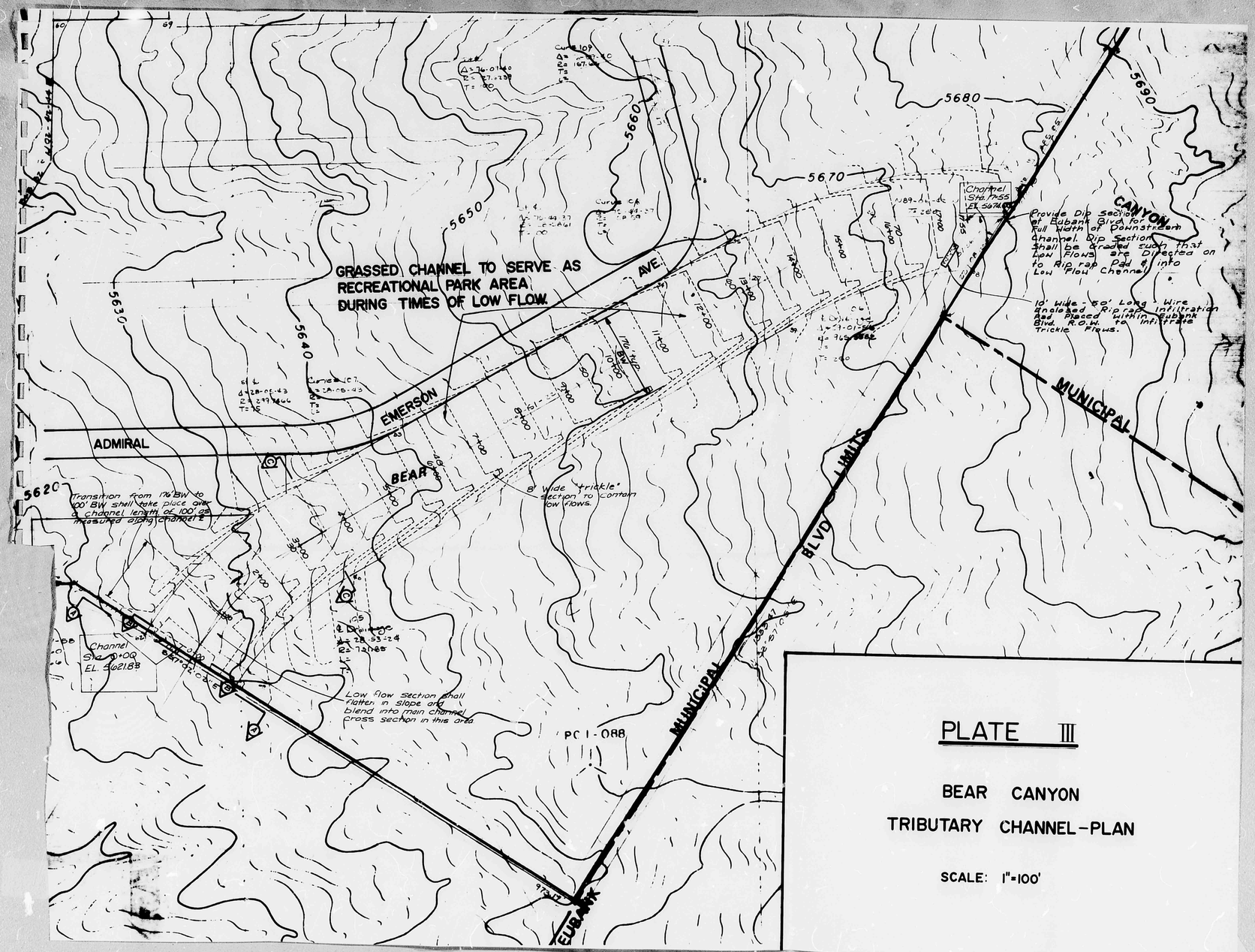


PLATE III

BEAR CANYON
TRIBUTARY CHANNEL-PLAN

SCALE: 1"=100'