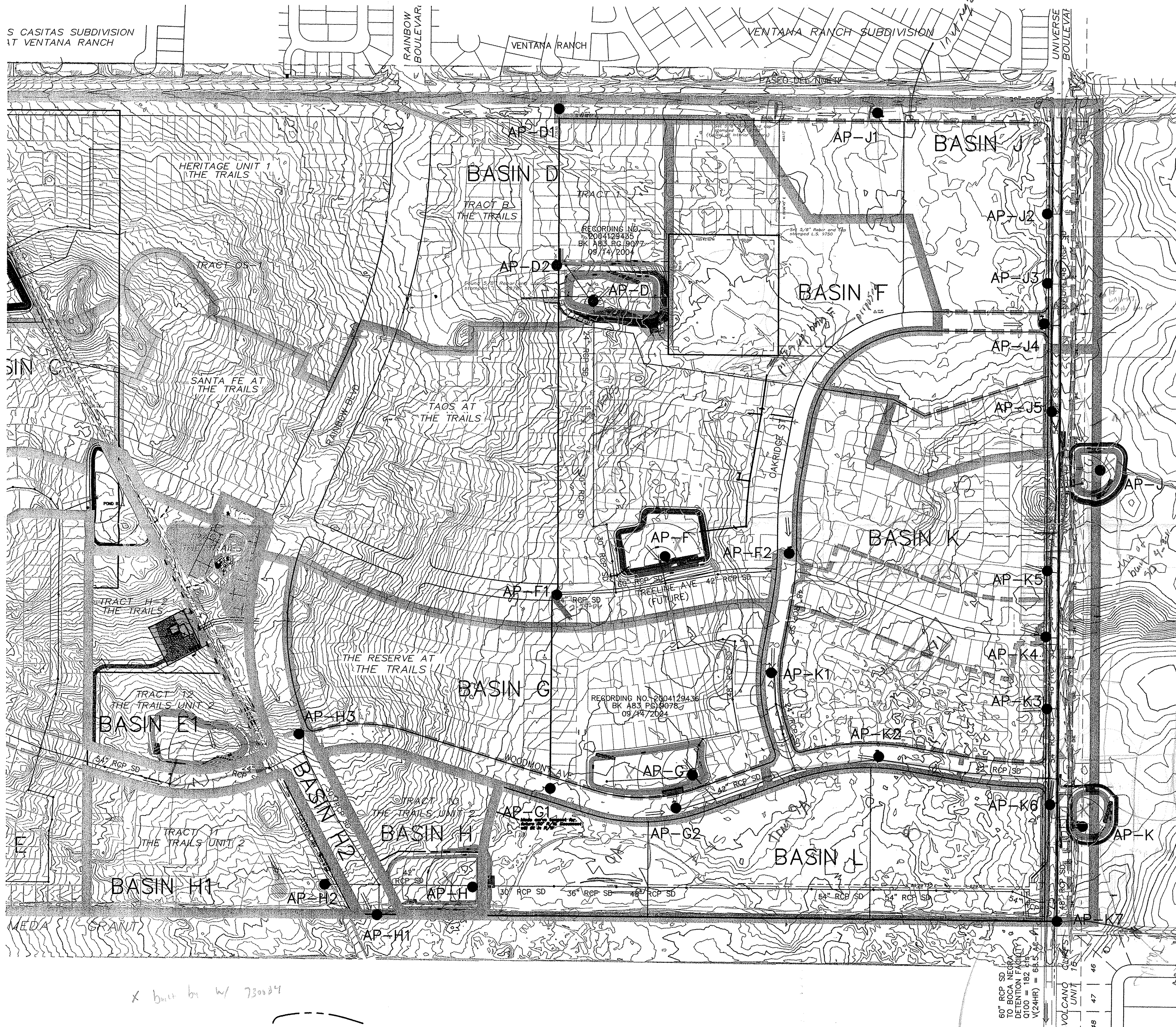


109/0001

S CASITAS SUBDIVISION
AT VENTANA RANCH



LEGEND

BASIN BOUNDARY
SUB-BASIN BOUNDARY
FLOW DIRECTION

Developed Condition SURGE POND SUMMARY

Analysis Point	Description	Drainage Area (Ac.)	Q100 (cfs)in	Q100 (cfs)out	MAX STORAGE (Ac-Ft)	TOP ELEV =	BOP ELEV =	MAX WSEL =
AP-D	POND D	253.25	164.89	23.56	5.39	5436.85	5430.00	5436.21
AP-F	POND F	349.70	338.86	33.92	9.41	5424.33	5416.00	5423.04
AP-G	POND G	381.63	138.81	33.51	3.66	5422.50	5416.00	5420.35
AP-J	POND J	32.90	82.74	21.37	2.14	5423.00	5417.00	5421.87
AP-H	POND H	164.29	112.14	35.28	2.77	5422.00	5418.00	5421.87
AP-K	POND K	459.65	164.27	101.37	2.15	5410.50	5405.00	5410.18

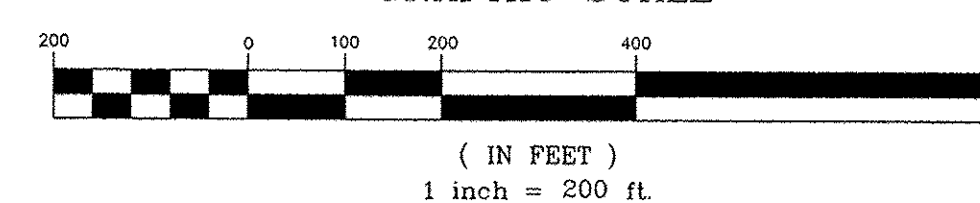
Developed Condition SUB-BASIN ANALYSIS POINT SUMMARY

Analysis Point	Description	Drainage Area (Ac.)	Q100 (cfs)
AP-D1	PASEO DEL NORTE BYPASS FLOW	-	12.85
AP-D2	FROM HERITAGE-REPORT DATED 03/04	-	172.0
AP-F1	FROM SANTA FE/TAOS-REPORT DATED 12/03	-	167.4
AP-F2	OAKRIDGE ST INLETS	2.36	8.03
AP-G1	FROM RESERVE-REPORT DATED 04/04	-	52.80
AP-G2	WOODMONT AVE SUMP INLETS	4.26	17.99
AP-H1	RAINBOW INLETS	3.15	12.88
AP-H2	TRACT 11 STUB	11.71	33.32
AP-H3	RAINBOW INLETS	2.62	11.06
AP-J1	PASEO DEL NORTE SUMP INLETS	3.04	12.85
AP-J2	STUB TO UNIVERSE STORM DRAIN	14.54	36.65
AP-J3	UNIVERSE INLETS	2.92	12.31
AP-J4	OAKRIDGE ST INLETS	0.82	3.47
AP-J5	STUB TO UNIVERSE STORM DRAIN	4.22	12.00
AP-K1	OAKRIDGE ST SUMP INLETS	1.34	5.65
AP-K2	WOODMONT AVE SUMP INLETS	2.04	8.62
AP-K3	STUB TO UNIVERSE STORM DRAIN	10.84	31.35
AP-K4	STUB TO UNIVERSE STORM DRAIN	6.37	18.41
AP-K5	STUB TO UNIVERSE STORM DRAIN	12.85	36.54
AP-K6	UNIVERSE INLETS	6.24	21.29
AP-K7	TRAILS OUTFALL TO BOCA NEGRA DAM	851.0	161.75

HYDROLOGIC DATA - DEVELOPED

BASIN	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q100 (cfs)	V100-24 (ac-ft)
		A	B	C	D			
ON-D	58.30	0	25	25	50	2.61	151.97	7.84
ON-H	7.43	0	15	25	60	3.54	26.30	1.11
ON-H1	11.71	0	39.9	39.9	20.2	2.77	32.46	1.10
ON-H2	5.77	0	0	10	90	4.10	23.59	1.09
ON-G	31.93	0	25	25	50	3.32	105.96	4.29
ON-F	82.94	0	25	25	50	3.32	274.98	11.15
ON-J	32.92	0	25	25	50	2.52	82.74	4.42
ON-K	45.12	0	25	25	50	2.84	128.14	6.06
ON-L	27.03	0	25	25	50	2.89	78.21	3.63

GRAPHIC SCALE



WILSON & COMPANY

2800 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO 87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

AMENDMENT TO TRAILS UNIT II & III OVERALL GRADING & DRAINAGE PLAN DEVELOPED CONDITIONS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	PLATE 1
730084	C-9-Z	

AS-BUILT INFORMATION	
CONTRACTOR	
DATE	
DATE	
DATE	
DATE	
DATE	

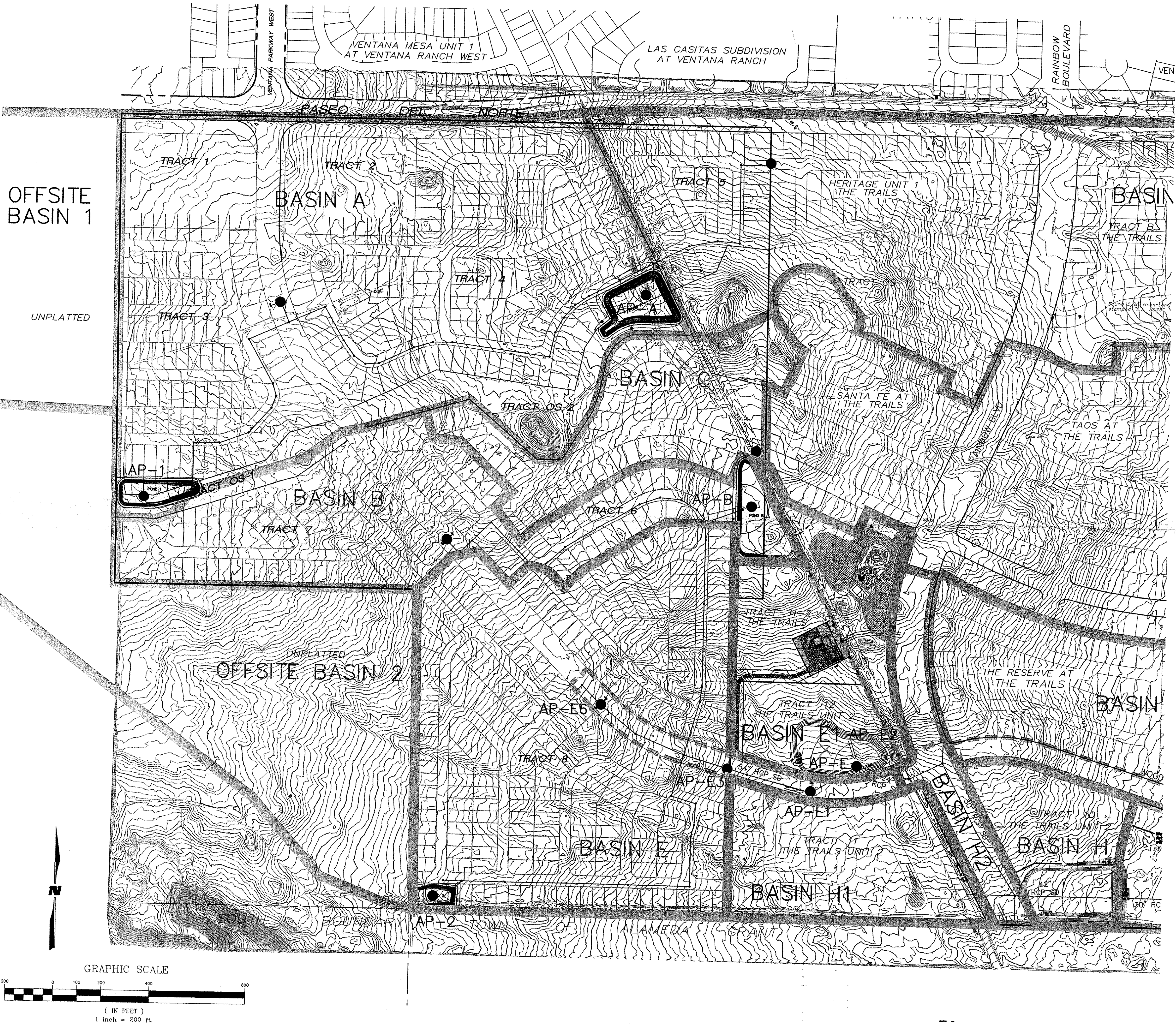
BENCH MARKS	
ACS BRASS TABLE STAMPED "2-B10 1980"	
Geographic Position (NAD 1927)	
N.M. State Plane Coordinates (Central Zone)	
X= 357,543.73 Y= 1,527,976.48	
Ground-to-Grid Factor = 0.99966354	
Δα = -00°16'30"	
SLD 1929 Elevation = 5429.35	

SURVEY INFORMATION	
FIELD NOTES	
DATE	
BY	
NO.	

ENGINEER'S SEAL	
SEAL	
DATE	
DATE	
DATE	
DATE	

REVISIONS	
NO.	DATE
1	05/05/05
2	05/05/05
3	05/05/05
4	05/05/05
5	05/05/05

DESIGNED BY	D.D.	DATE	MAY 05
DRAWN BY	R.M.	DATE	MAY 05
CHECKED BY	S.S.	DATE	MAY 05



LEGEND

BASIN BOUNDARY
SUB-BASIN BOUNDARY
FLOW DIRECTION

**Developed Condition
SURGE POND SUMMARY**

Analysis Point	Description Inflow into Onsite Pond #	Drainage Area (Ac.)	Q100 (cfs)in	Q100 (cfs)out	V100 MAX STORAGE (Ac-ft)	TOP ELEV =	BOP ELEV =	MAX WSEL =
AP-1	OFFSITE-1	127.87	38.48	9.40	2.42	5546.50	5540.00	5445.97
AP-2	OFFSITE-2	51.52	14.42	4.49	0.86	5481.50	5477.00	5481.32
AP-A	POND A	194.94	224.45	16.94	6.38	5507.00	5497.00	5504.70
AP-B	POND B	77.18	85.67	3.38	3.15	5490.50	5486.00	5489.92
AP-E	POND E	139.39	187.59	34.26	3.55	5448.00	5443.00	5447.42

**Developed Condition
SUB-BASIN ANALYSIS POINT SUMMARY**

Analysis Point	Description	Drainage Area (Ac.)	Q100 (cfs)
AP-E1	WOODMONT AVE SUMP INLETS	3.27	13.81
AP-E2	FROM TRACT E - THOMPSON ENG. G&D PLAN	5.98	8.30
AP-E3	FLOW TO UNIT 2 STORM DRAIN	120.25	145.28

HYDROLOGIC DATA - DEVELOPED

BASIN	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q100 (cfs)	V100-24 (ac-ft)
		A	B	C	D			
ON-E	46.35	0	25	25	50	3.32	153.72	6.23
ON-E1	15.90	43	25	25	7	1.98	31.45	0.97
OFF-1	127.90	100	0	0	0	0.30	38.48	4.59
OFF-2	51.55	100	0	0	0	0.28	14.42	1.85
ON-A	67.05	0	25	25	50	3.32	222.42	9.01
ON-B	25.65	0	25	25	50	3.32	85.15	3.45
ON-C	13.48	0	25	25	50	3.32	44.81	1.82

AS-BUILT INFORMATION

CONTRACTOR
WORK
STAMPED BY
DATE
ACCEPTANCE BY
DATE
FIELD BY
DATE
DRAWN BY
DATE
CHECKED BY
DATE
RECORDED BY
DATE

SURVEY INFORMATION

FIELD NOTES
NO.
DATE
BY

ENGINEER'S SEAL

WILSON & COMPANY
1024
12/24
LICENSED PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	REMARKS	BY
1	DATE	REVISIONS	BY
2	DATE	REVISIONS	BY
3	DATE	REVISIONS	BY
4	DATE	REVISIONS	BY
5	DATE	REVISIONS	BY

WILSON & COMPANY
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**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

**AMENDMENT TO TRAILS UNIT II & III
OVERALL GRADING & DRAINAGE PLAN
DEVELOPED CONDITIONS**

Design Review Committee
City Engineer Approval
Last Design Update

City Project No. 730084
Zone Map No. C-9-Z

Mo./Day/Yr.
Mo./Day/Yr.
Mo./Day/Yr.
Mo./Day/Yr.
Mo./Day/Yr.
Mo./Day/Yr.

PLATE 2