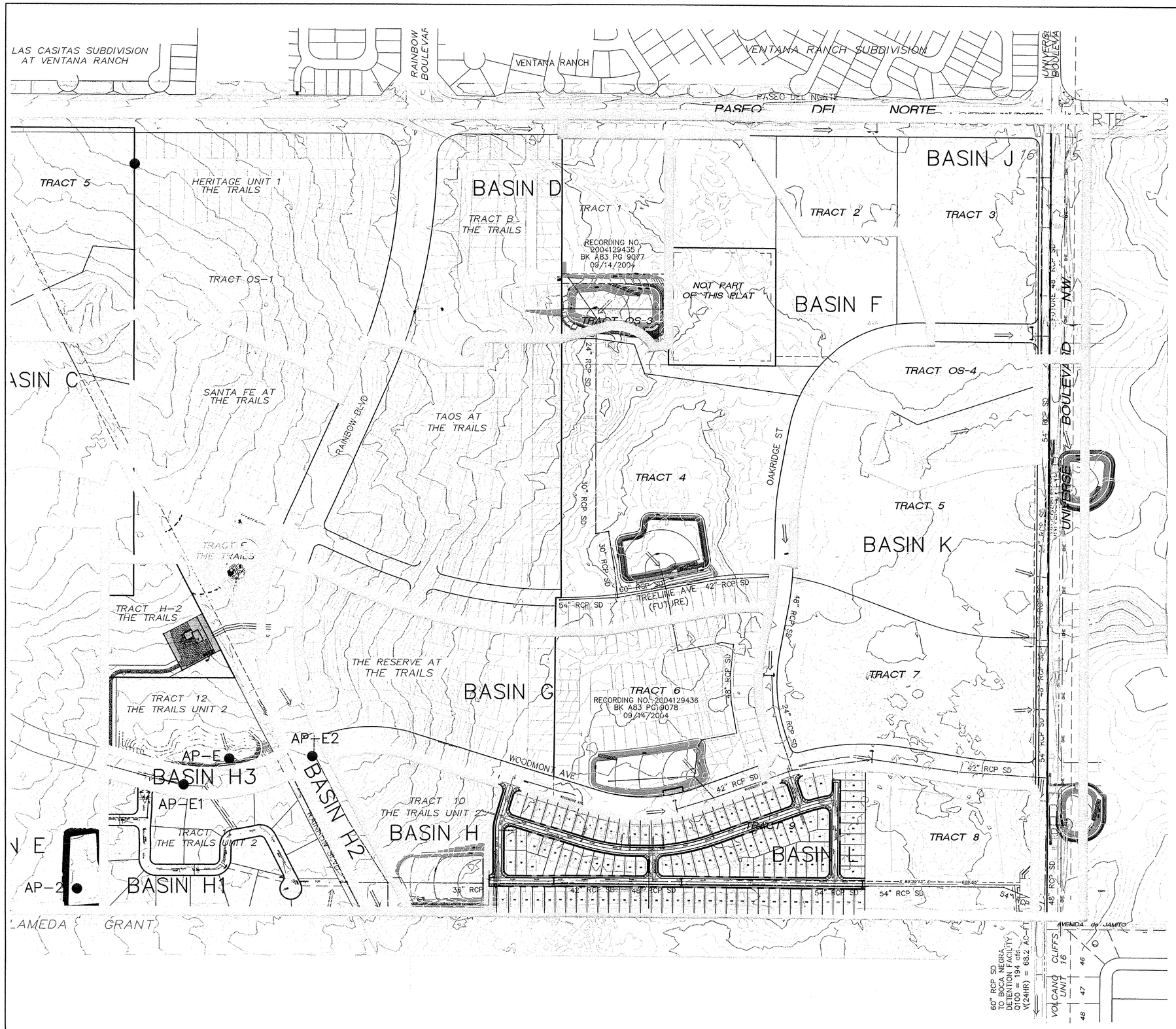

LEGEND

BASIN BOUNDARY

SUB-BASIN BOUNDARY

FLOW DIRECTION ⟹

Interim Condition 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*	58.30	122.40	0	5.39	5436.85	5430.00	**
AP-E	POND E*	77.19	93.29	0	2.37	5448.00	5441.00	5446.90
AP-F	POND F*	82.94	196.82	0	9.27	5424.33	5416.00	5423.90
AP-G	POND G*	31.93	105.96	0	5.64	5422.50	5416.00	5421.40
AP-J	POND J	1.68	5.73	5.73	–	5423.00	5417.00	–
AP-K	POND K*	14.70	50.13	0	2.62	5410.50	5405.00	5410.50
AP-H	POND H	164.29	112.14	–	2.77	5422.00	5418.00	5421.87

** POND ACTS AS A TEMPORARY RETENTION POND IN THE INTERIM CONDITION, UNTIL CONSTRUCTION OF UNIVERSE STORM DRAIN TO THE BOCA NEGRA DAM IS COMPLETE. MAXIMUM STORAGE VOLUME IS THE 10-DAY VOLUME TO BE RETAINED.*

*** THE STORAGE CAPACITY OF POND D IS EXCEEDED FOR THE 10 DAY STORM. RUNOFF OVER-FLOWING FROM THIS POND WILL BE CONVEYED TO THE EXISTING DEPRESSION WITHIN TRACT 4. POND D IS ADEQUATE TO RETAIN THE 24 HOUR VOLUME.*

Interim 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-E1	WOODMONT AVE SUMP INLETS	3.27	13.81
AP-E2	FROM TRACTS H AND 12	14.37	0
AP-E3	RAINBOW INLETS	2.62	11.06
AP-F1	FROM SANTA FE/TAOS-REPORT DATED 12/03	–	167.4
AP-F2	OAKRIDGE 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-J1	PASEO DEL NORTE SUMP INLETS	3.04	0
AP-J2	STUB TO UNIVERSE STORM DRAIN	14.54	0
AP-J3	UNIVERSE INLETS	2.92	0
AP-J4	OAKRIDGE ST INLETS	0.82	3.47
AP-J5	STUB TO UNIVERSE STORM DRAIN	4.22	0
AP-K1	OAKRIDGE 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	0
AP-K4	STUB TO UNIVERSE STORM DRAIN	6.37	0
AP-K5	STUB TO UNIVERSE STORM DRAIN	12.85	0
AP-K6	UNIVERSE INLETS	6.24	21.29
AP-K7	TRAILS OUTFALL TO BOCA NEGRA DAM	651.01	0

HYDROLOGIC DATA – INTERIM CONDITIONS

BASIN	AREA (acres)	% DEV (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q_{100} (cfs)	V_{100-24} (ac-ft)
			A	B	C	D			
ON-D	58.30	73	27	18.2	18.3	36.5	2.10	122.40	6.21
ON-E	77.19	22	78	5.5	5.5	11	1.72	132.88	4.38
ON-H	19.88	16	84	4	4	8	1.42	28.24	1.02
ON-G	31.93	100	0	25	25	50	3.32	105.96	4.29
ON-F	82.94	55	45	13.7	13.8	27.5	2.37	196.82	7.35
ON-J	32.92	15	85	3.7	3.8	7.5	1.05	34.57	1.65
ON-K	45.12	14	86	3.5	3.5	7	1.23	55.37	2.22
ON-L	17.73	4	96	1	1	2	1.09	19.34	0.70
ON-H1	11.71	100	0	39.9	39.9	20.2	2.80	32.86	1.30
ON-H2	5.77	73	0	0	10	90	13.06	23.59	1.52
ON-H3	1.63	100	0	0	10	90	4.22	6.88	0.43

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

N

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SANTA FE III AT THE TRAILS UNIT II OVERALL POND GRADING & DRAINAGE PLAN INTERIM CONDITIONS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
	(09) Dou F			
City Project No.	Zone Map No. C-9-Z		PLATE 1	

AS-BUILT INFORMATION
CONTRACTOR / WORK STAKED BY / INSPECTOR'S ACCEPTANCE BY / FIELD VERIFICATION BY / DRAWINGS CORRECTED BY — DATE
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS BRASS TABLET 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
$\Delta\alpha$ = -00°16'30"
SLD 1929 Elevation = 5429.35

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
NEW MEXICO LICENSED PROFESSIONAL ENGINEER SALAZAR (16241)

NO.	DATE	REMARKS REVISIONS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY DMD DATE OCT 2005
DRAWN BY DMD DATE OCT 2005
CHECKED BY SJS DATE OCT 2005

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RECEIVED JUL 13 2006 HYDROLOGY SECTION