

OFFSITE
BASIN 1

UNPLATTED

UNPLATTED
OFFSITE BASIN 2

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

WILSON & COMPANY

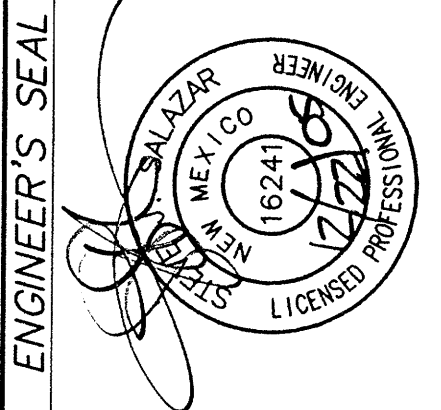
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO 87124
(505) 898-8021

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 2
730084	C-9-Z	



ENGINEER'S SEAL

REVISIONS	BY
NO. DATE	
WILSON & COMPANY, ENGINEERS & ARCHITECTS	
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REMARKS

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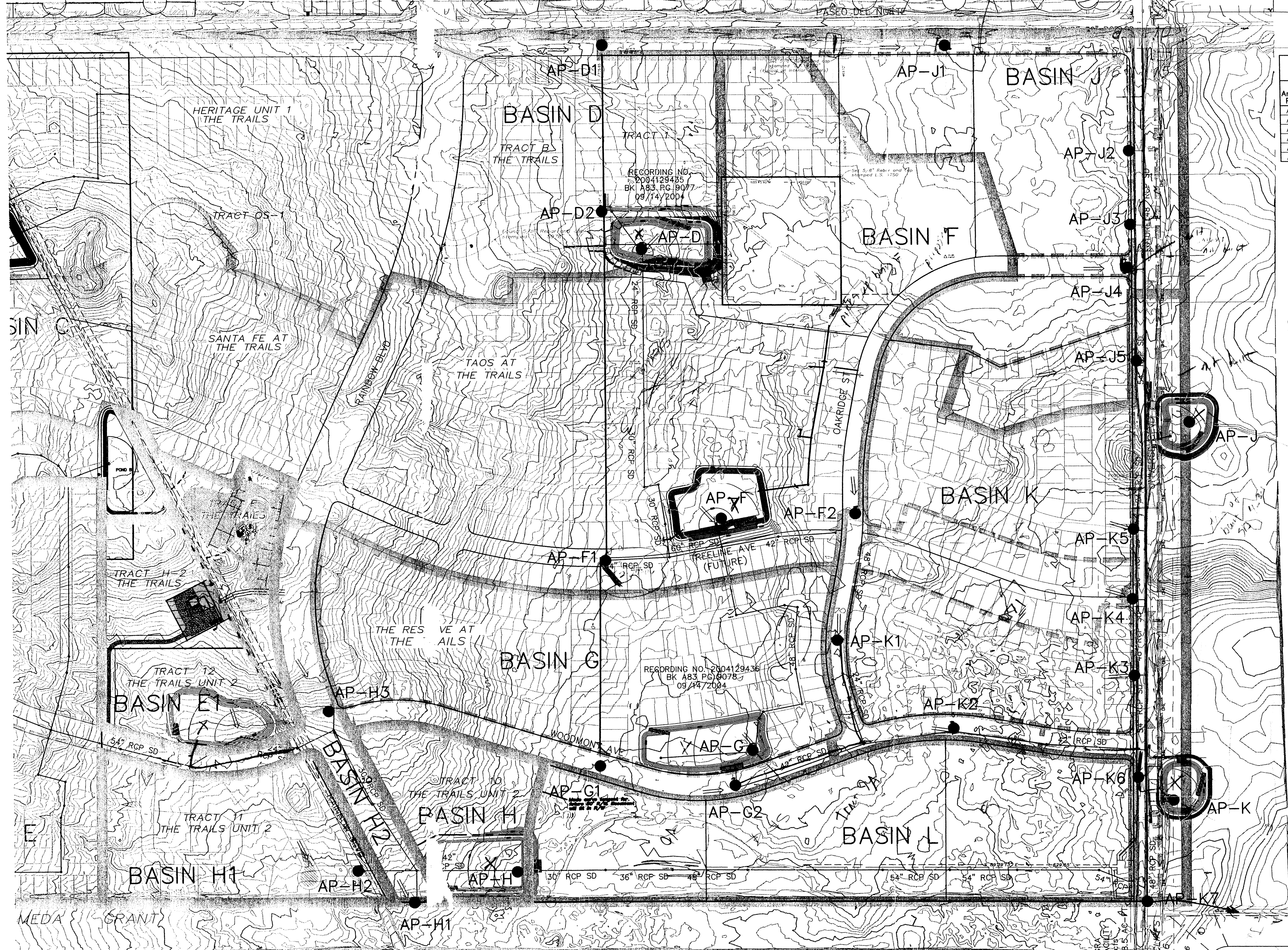
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AT VENTANA RANCH



LEGEND

BASIN BOUNDARY
SUB-BASIN BOUNDARY
FLOW DIRECTION

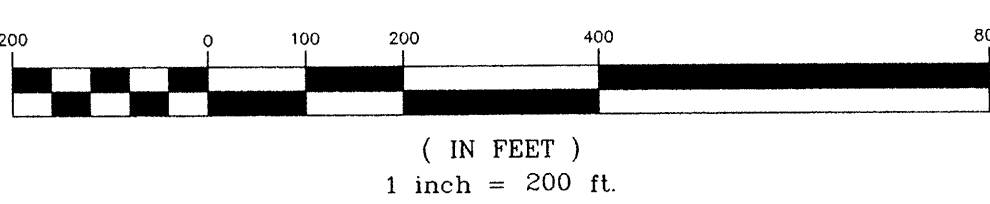
Developed Condition SURGE POND SUMMARY								
Analysis Point	Description	Drainage Area (Ac.)	Q100 (cfs)in	Q100 (cfs)out	MAX STORAGE (Ac-Ft)	TOP ELEV =	BOP ELEV =	MAX WSEL =
AP-D	POND D	253.25	164.89	23.56	5.39	5426.85	5430.00	5436.21
AP-F	POND F	349.70	338.86	33.92	9.41	5424.33	5416.00	5423.04
AP-G	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	450.65	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	651.0	181.75

HYDROLOGIC DATA -- DEVELOPED

BASIN	AREA (ac-es)	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

2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

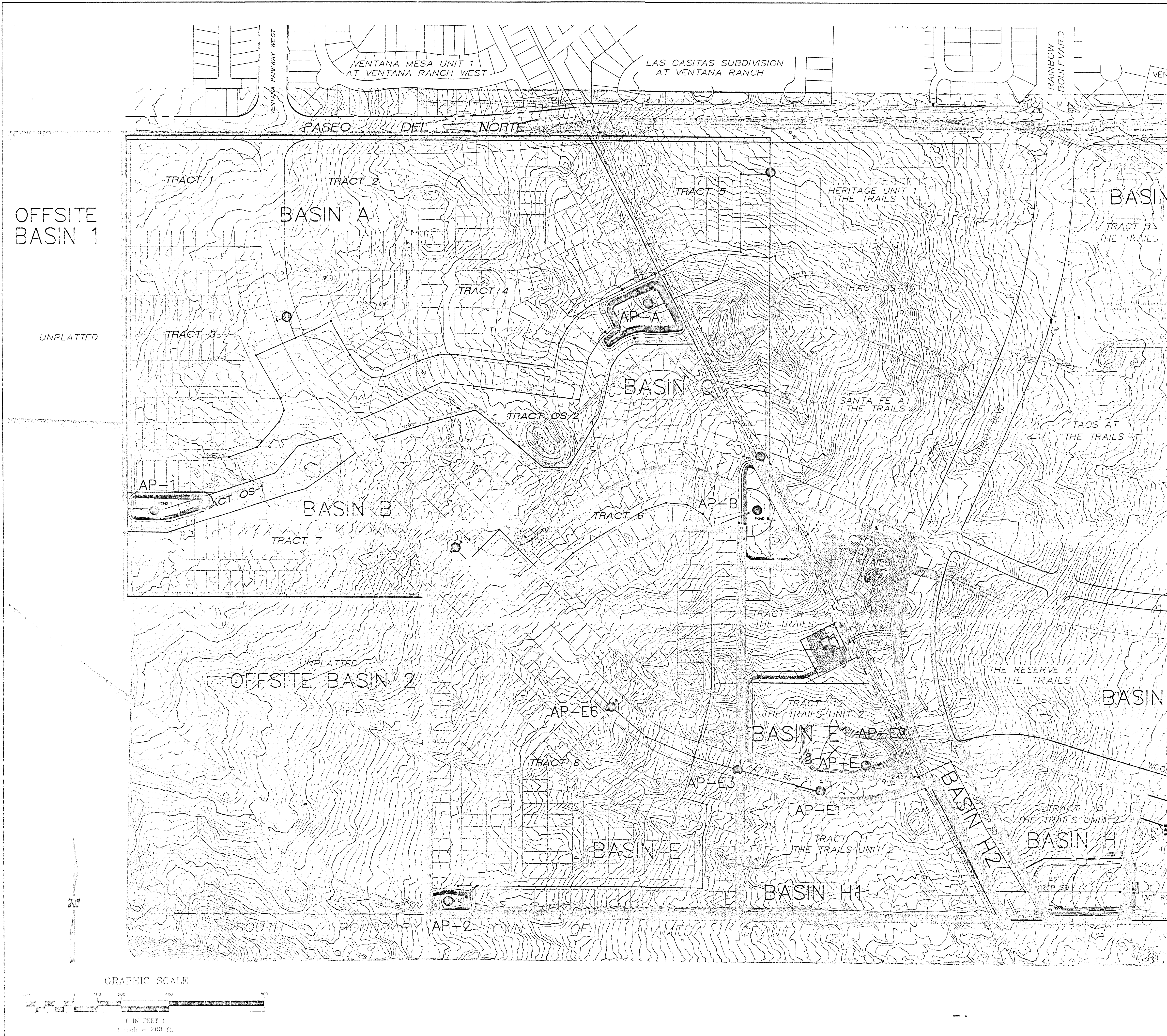
AMENDMENT TO TRAILS UNIT II & III
OVERALL GRADING & DRAINAGE PLAN
DEVELOPED CONDITIONS

Design Review Committee City Engineer Approval

City Project No.

Zone Map No.

PLATE 1



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	0.40	58.48	4.59
OFF-2	51.55	100	0	0	0	0.28	14.42	1.85
ON-A	67.05	0	25	25	50	3.31	222.42	9.01
ON-B	25.65	0	25	25	50	3.32	85.15	3.41
ON-C	13.48	0	25	25	50	3.32	44.81	1.80

AS-BUILT INFORMATION
CONTRACT NO.
DATE
APPROVED BY
MICRO-FILM INFORMATION
DATE
RECORDED BY

BENCH MAPS
ACS BRASS TABLE STAMPED "2-B10 1980"
Geograph. Position (NAD 1927)
N.M. State Plane Coordinates (Central Zone)
X = 357,522.73 Y = 1,527,576.48
Ground-12-Grid Factor = 0.99966354
Δα = -0.16 30"
SLD 1925 Elevation = 5429.35

SURVEY INFORMATION
FIELD NOTES
DATE
BY
NO.

ENGINEER'S SEAL
Professional Engineer
State of New Mexico
No. 12726
Exp. 12/31/06

REVISIONS
NO. DATE
REMARKS
WILSON & COMPANY, ENGINEERS & ARCHITECTS
1000 THE AMERICAN ROAD, SUITE 100
RED RANCH, NM 87044
(505) 755-1111

WILSON & COMPANY

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

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

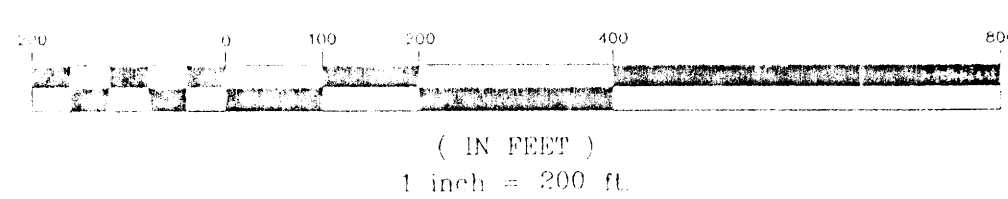
Design Review Committee City Engineer Approval

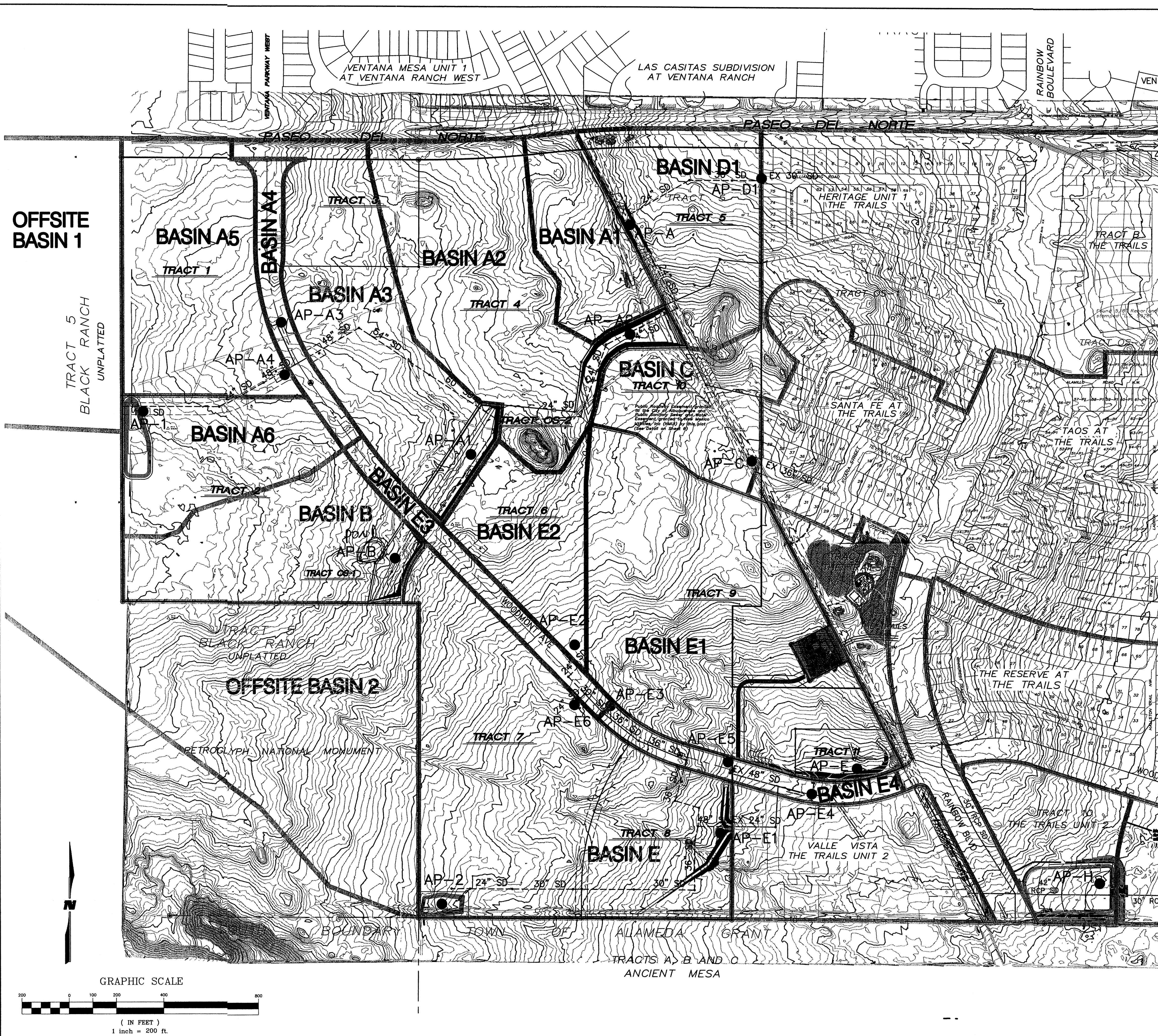
City Project No. 730084

Zone Map No. C-9-Z

PLATE 2

GRAPHIC SCALE





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	35.48	9.15	2.21	5541.50	5535.00	5440.67	
AP-2	OFFSITE-2	51.52	13.36	4.38	0.78	5481.50	5477.00	5481.09	
AP-A	POND A	210.15	31.41	12.42	0.53	5488.00	5493.00	5491.42	
AP-A1	POND A1	183.82	150.66	14.83	4.36	5520.00	5515.00	5519.83	
AP-A2	POND A2	203.37	79.67	12.05	4.79	5509.00	5502.00	5508.05	
AP-B	POND B	12.33	34.98	3.28	0.85	5520.00	5515.00	5518.69	
AP-E	POND E	123.90	107.19	11.52	2.81	5448.00	5441.00	5447.52	
AP-E1	POND E1	92.98	125.38	3.71	4.42	5452.00	5448.00	5451.42	
AP-H	POND H	154.39	97.15	16.21	2.35	5422.00	5418.00	5421.56	

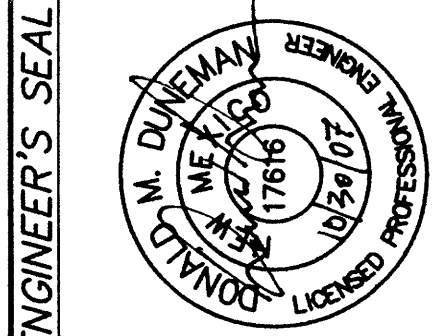
NOTES:
1) STORM DRAIN PIPE SIZES AND LOCATIONS SHOWN ARE APPROXIMATE

Developed Condition SUB-BASIN ANALYSIS POINT SUMMARY			
Analysis Point	Description	Drainage Area (Ac.)	Q100 (cfs)
AP-A3	WOODMONT SUMP INLETS	3.20	12.10
AP-A4	STUB TO TRACT 1 (INCLUDES OFFSITE FLOWS)	151.65	78.69
AP-E2	FROM TRACT E - THOMPSON ENG. G&D PLAN	5.98	8.30
AP-E4	WOODMONT AVE SUMP INLETS	3.27	13.81
AP-E5	PORTION OF BASIN E1 TO WOODMONT SD	13.98	46.93
AP-E8	PORTION OF BASIN E TO WOODMONT SD	7.75	22.00
AP-C	TO UNIT 2 SD (47.4 CFS ALLOWED)	8.24	27.54
AP-D1	TO UNIT 2 SD (52.6 CFS ALLOWED)	221.63	49.95

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	30.21	0	33	33	34	2.84	85.69	3.22	
ON-E1	27.97	0	10	30	60	3.36	93.85	4.00	
ON-E2	7.79	0	18	18	64	3.34	26.02	1.14	
ON-E3	3.46	0	5	5	90	3.78	13.08	0.62	
ON-E4	2.96	0	5	5	90	3.78	11.18	0.53	
OFF-1	127.90	100	0	0	0	0.28	35.48	4.32	
OFF-2	51.55	100	0	0	0	0.26	13.36	1.74	
ON-A1	6.79	0	15	15	70	3.44	23.35	1.04	
ON-A2	19.55	0	15	15	70	3.44	67.25	3.00	
ON-A3	16.65	0	15	15	70	3.44	57.28	2.56	
ON-A4	3.20	0	5	5	90	3.78	12.10	0.58	
ON-A5	14.74	0	15	15	70	3.44	50.72	2.26	
ON-A6	9.04	0	33	33	34	2.84	25.64	0.96	
ON-B	12.33	0	33	33	34	2.84	34.98	1.32	
ON-C	8.25	0	18	18	64	3.34	27.54	1.20	
ON-D1	11.48	0	18	18	64	3.34	38.36	1.67	

WILSON & COMPANY 2600 THE AMERICAN ROAD S.E. SUITE 100 RIO RANCHO, NEW MEXICO 87124 (505) 898-8021

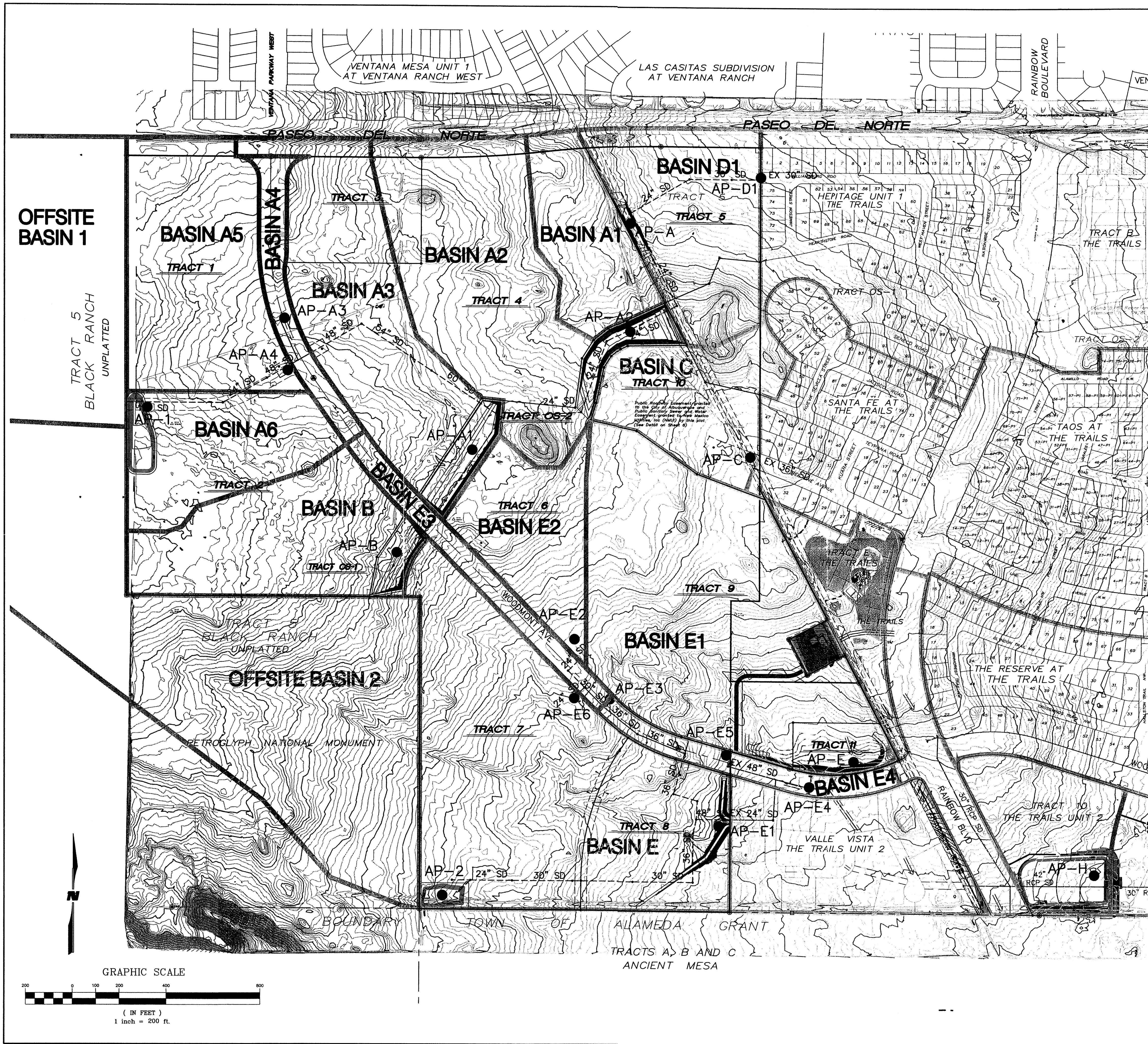
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
THE TRAILS UNIT III AMENDMENT TO DRAINAGE MASTER PLAN DEVELOPED CONDITIONS	
Design Review Committee	City Engineer Approval
City Project No. 1004404	Zone Map No. C-9-Z
Last Design Update	
Mo./Day/Yr.	Mo./Day/Yr.
DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
REVISIONS	
NO.	DATE
REMARKS	
BY	
WILSON & COMPANY, ENGINEERS & ARCHITECTS	
DESIGNED BY	
D.D.	
DATE	
OCT 07	
DRAWN BY	
R.M.	
DATE	
OCT 07	
CHECKED BY	
S.S.	
DATE	
OCT 07	



AS-BUILT INFORMATION	
CONTRACTOR	
WORK STARTED BY	
DATE	
WORK STOPPED BY	
DATE	
FIELD ACCEPTANCE BY	
DATE	
DRAWINGS BY	
DATE	
CORRECTED BY	
DATE	
MICRO-FILM INFORMATION	
RECORDED BY	
DATE	
NO.	
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	
Δα = -00°16'30"	
SLD 1929 Elevation = 5429.35	

SURVEY INFORMATION	
FIELD NOTES	
NO.	
DATE	
BY	

BENCH MARKS	
CONTRACTOR	
WORK STARTED BY	
DATE	
WORK STOPPED BY	
DATE	
FIELD ACCEPTANCE BY	
DATE	
DRAWINGS BY	
DATE	
CORRECTED BY	
DATE	
MICRO-FILM INFORMATION	
RECORDED BY	
DATE	
NO.	



LEGEND

BASIN BOUNDARY [thick line]

SUB-BASIN BOUNDARY [thin line]

FLOW DIRECTION [arrow]

Interim Condition SURGE POND SUMMARY									
Analysis Point	Description	Drainage Area (Ac.)	Q100 (cfs)in	Q100 (cfs)out	V100 MAX STORAGE (Ac.-Ft.)	TOP ELEV =	BOP ELEV =	MAX WSEL =	
AP-1	OFFSITE-1	-	-	-	-	-	-	-	
AP-2	OFFSITE-2	-	-	-	-	-	-	-	
AP-A	POND A	-	-	-	-	-	-	-	
AP-A1	POND A1	-	-	-	-	-	-	-	
AP-A2	POND A2	-	-	-	-	-	-	-	
AP-B	POND B	-	-	-	-	-	-	-	
AP-E	POND E	27.40	89.57	2.96	3.13	5448.00	5441.00	5447.52	
AP-E1	POND E1	-	-	-	-	-	-	-	
AP-H	POND H	154.39	97.15	16.21	2.35	5422.00	5418.00	5421.56	

NOTES:
1) ALL PONDS TEMPORARILY RELEASE A REDUCED FLOWRATE IN THE INTERIM CONDITION, UNTIL CONSTRUCTION OF UNIVERSE STORM DRAIN TO THE BOCA NEGRA DAM IS COMPLETE. TEMPORARY ORIFICE PLATES INSTALLED AT ALL EXISTING PONDS.
2) THIS INTERIM DRAINAGE ANALYSIS ASSUMES UNITS I & II ARE FULLY DEVELOPED. FLOWRATE OF 16.0 CFS IS LESS THAN THE HISTORIC FLOWS DRAINING EAST FROM THE TRAILS (DRAINAGE REPORT FOR LA CUENTISTA SUBDIVISION, WILSON & CO., NOV. 2003).
3) THE INTERIM CONDITIONS ALLOW FOR A SMALL PORTION OF THE UNIT III DEVELOPMENT TO DRAIN THRU POND E. A TOTAL FLOWRATE OF APPROXIMATELY 89.57 CFS AND A VOLUME OF 4.37 AC-FT WILL SAFELY PASS THRU THE SYSTEM IN THE INTERIM.
4) POND E1 IS CURRENTLY A TEMPORARY RETENTION POND ACCOMMODATING OFFSITE FLOWS ACCORDING TO THE DRAINAGE REPORT FOR VALLE VISTA SUBDIVISION.

Interim Condition SUB-BASIN ANALYSIS POINT SUMMARY			
Analysis Point	Description	Drainage Area (Ac.)	Q100 (cfs)
AP-A3	WOODMONT SUMP INLETS	3.20	12.10
AP-A4	STUB TO TRACT 1 (INCLUDES OFFSITE FLOWS)	-	-
AP-E2	FROM TRACT 6	-	-
AP-E3	WOODMONT AVE ON GRADE INLETS	3.46	13.08
AP-E4	WOODMONT AVE SUMP INLETS	2.96	11.18
AP-E5	PORTION OF BASIN E1 TO WOODMONT SD	13.98	46.93
AP-E6	PORTION OF BASIN E TO WOODMONT SD	-	-
AP-C	TO UNIT 2 SD (47.4 CFS ALLOWED)	8.24	27.54
AP-D1	TO UNIT 2 SD (52.6 CFS ALLOWED)	11.48	38.36

HYDROLOGIC DATA — INTERIM

BASIN	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q ₁₀₀ (cfs)	V ₁₀₀₋₂₄ (ac-ft)
		A	B	C	D			
ON-E	30.21	0	33	33	34	—	—	—
ON-E1	20.78	0	10	30	60	3.36	66.78	4.00
ON-E2	7.79	0	18	18	64	—	—	—
ON-E3	3.46	0	5	5	90	3.78	13.08	0.62
ON-E4	2.96	0	5	5	90	3.78	11.18	0.53
OFF-1	127.90	100	0	0	0	—	—	—
OFF-2	51.55	100	0	0	0	—	—	—
ON-A1	6.79	0	15	15	70	—	—	—
ON-A2	19.55	0	15	15	70	—	—	—
ON-A3	16.65	0	15	15	70	—	—	—
ON-A4	3.20	0	5	5	90	—	—	—
ON-A5	14.74	0	15	15	70	—	—	—
ON-A6	9.04	0	33	33	34	—	—	—
ON-B	12.33	0	33	33	34	—	—	—
ON-C	8.25	0	18	18	64	3.34	27.54	1.20
ON-D1	11.48	0	18	18	64	3.34	38.36	1.67

WILSON & COMPANY

2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO 87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE TRAILS UNIT III
AMENDMENT TO DRAINAGE MASTER PLAN
INTERIM CONDITIONS

Design Review Committee

City Engineer Approval

Last Design Update

City Project No.

Zone Map No.

1004404

C-9-Z

PLATE 2

REVISIONS

NO. DATE

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY DATE

DRAWN BY DATE

CHECKED BY DATE

REMARKS

BY

DATE

AS-BUILT INFORMATION

CONTRACTOR

DATE

INSPECTOR

DATE

FIELD VERIFICATION BY

DATE

RECORDED BY

DATE

BENCH MARKS

ACS BRASS TABLE STAMPED "2-B10 1980"

Geographic Position (NAD 1927)

N.M. State Plane Coordinates (Central Zone)

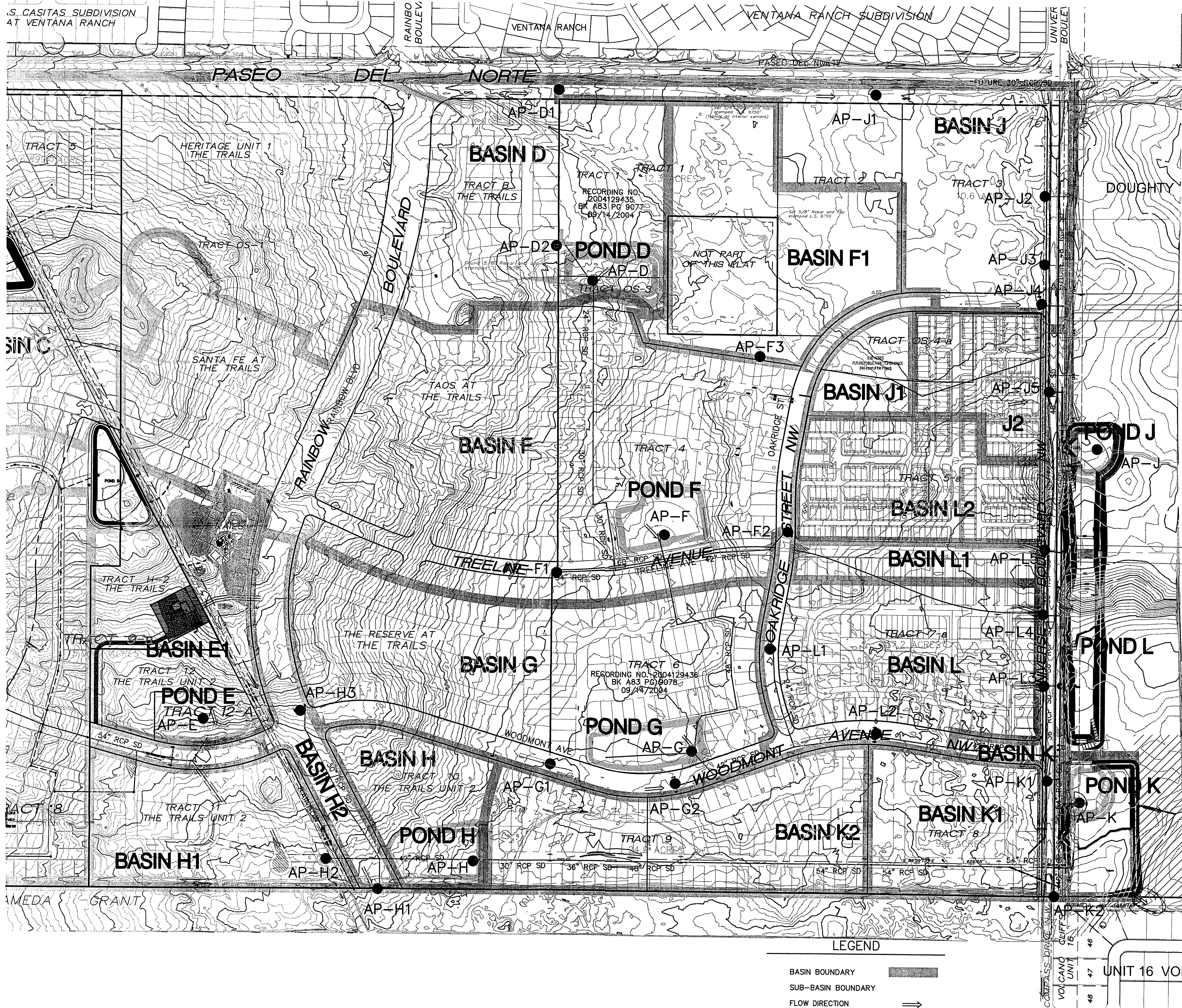
X = 357,543.73 Y = 1,527,976.48

Ground-to-Grid Factor = 0.99966354

ΔC = -0.01630"

SLD 1929 Elevation = 5429.35

S. CASITAS SUBDIVISION
AT VENTANA RANCH

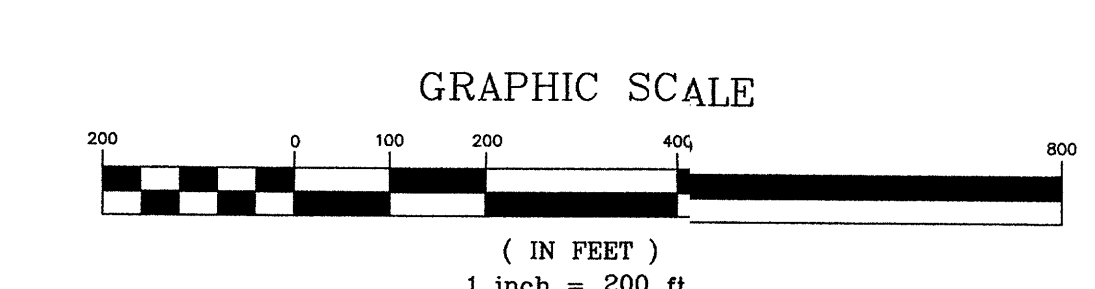


Developed Condition SURGE POND SUMMARY									
Analysis Point	Description	Drainage Area (Ac.)	Q100 (cfs) In	Q100 (cfs) Out	MAX STORAGE (Ac-Ft)	TOP ELEV =	BOP ELEV =	MAX WSEL =	
AP-D	POND D	253.25	165.64	23.68	5.55	5436.85	5430.00	5436.33	
AP-E	POND E	139.41	93.81	9.40	2.53	5448.00	5443.00	5447.25	
AP-F	POND F	349.72	348.18	38.18	9.72	5424.33	5416.00	5423.22	
AP-G	POND G	381.66	138.81	34.01	3.90	5422.50	5416.00	5420.51	
AP-H	POND H	33.11	86.83	1.03	4.14	5421.00	5414.00	5420.90	
AP-J	POND J	164.31	89.30	27.70	1.38	5422.00	5418.00	5420.79	
AP-L	POND L	450.16	154.71	33.37	6.35	5414.00	5405.00	5412.67	
AP-K	POND K	651.46	163.46	41.51	7.63	5410.50	5405.00	5410.05	

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	9.72	22.00
AP-L1	OAKRIDGE ST SUMP INLETS	1.34	5.65
AP-L2	WOODMONT AVE SUMP INLETS	2.04	8.62
AP-L3	STUB TO UNIVERSE STORM DRAIN	9.47	33.90
AP-L4	STUB TO UNIVERSE STORM DRAIN	5.28	18.90
AP-L5	STUB TO UNIVERSE STORM DRAIN	14.83	55.85
AP-K1	UNIVERSE INLETS	6.24	21.29
AP-K2	TRAILS OUTFALL TO BOCA NEGRA DAM	551.46	41.51

*TOTAL 24 HOUR VOLUME DRAINING FROM THE TRAILS IS APPROXIMATELY 68.5 AC-FT.

HYDROLOGIC DATA - DEVELOPED									
BASIN	AREA (acres)	LAND TREATMENT PERCENTAGES BY TYPE				YIELD (cfs/ac)	Q100 (cfs)	Y100-24 (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	65.15	0	25	25	50	3.32	216.06	8.76	
ON-F1	17.82	0	16	17	67	3.63	64.75	2.81	
ON-J	21.38	0	5	5	90	2.90	61.90	4.03	
ON-J1	3.26	20	40	40	0	2.14	6.97	0.19	
ON-J2	6.46	0	12.5	12.5	75	3.77	24.38	1.09	
ON-L	17.91	0	15	15	70	3.68	65.93	2.89	
ON-L1	3.81	0	15	15	70	3.69	14.04	0.62	
ON-L2	11.02	0	12.5	12.5	75	3.77	41.60	1.85	
ON-K	6.16	0	5	5	90	4.09	25.20	1.17	
ON-K1	9.45	0	33	33	34	2.61	24.68	1.07	
ON-K2	17.59	0	18	18	64	3.14	55.22	2.70	
POND J	2.02	0	70	30	0	2.24	4.52	0.12	
POND L	2.65	0	70	30	0	2.24	5.93	0.16	
POND K	3.80	0	70	30	0	2.24	8.51	0.23	



WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
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(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

THE TRAILS UNIT II
AMENDMENT TO DRAINAGE MASTER PLAN
DEVELOPED CONDITIONS

Design Review Committee City Engineer Approval
C 0910001

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

AS-BUILT INFORMATION
CONTRACTOR
WORK BY
DATE
INSPECTED BY
DATE
ACCEPTANCE BY
DATE
VERIFICATION BY
DATE
CONNECTIONS BY
DATE
MICRO-FILM INFORMATION
RECORDED BY
DATE

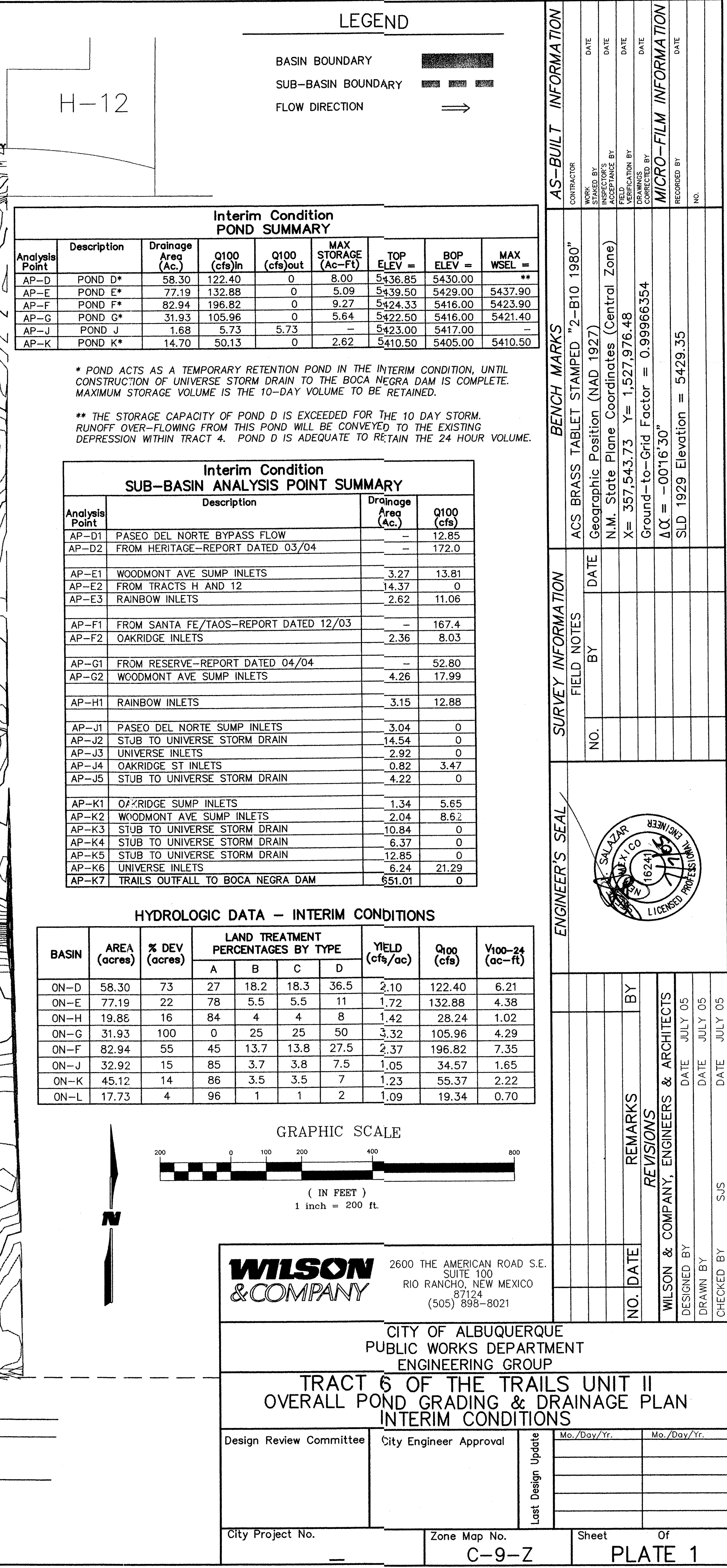
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Geographic Position (NAD 1927)
N.M. State Plane Coordinates (Central Zone)
X= 357,543.73 Y= 1,527,976.48
Ground-to-Grid Factor = 0.99966354
AGL = -0016'30"
SLD 1929 Elevation = 5429.35

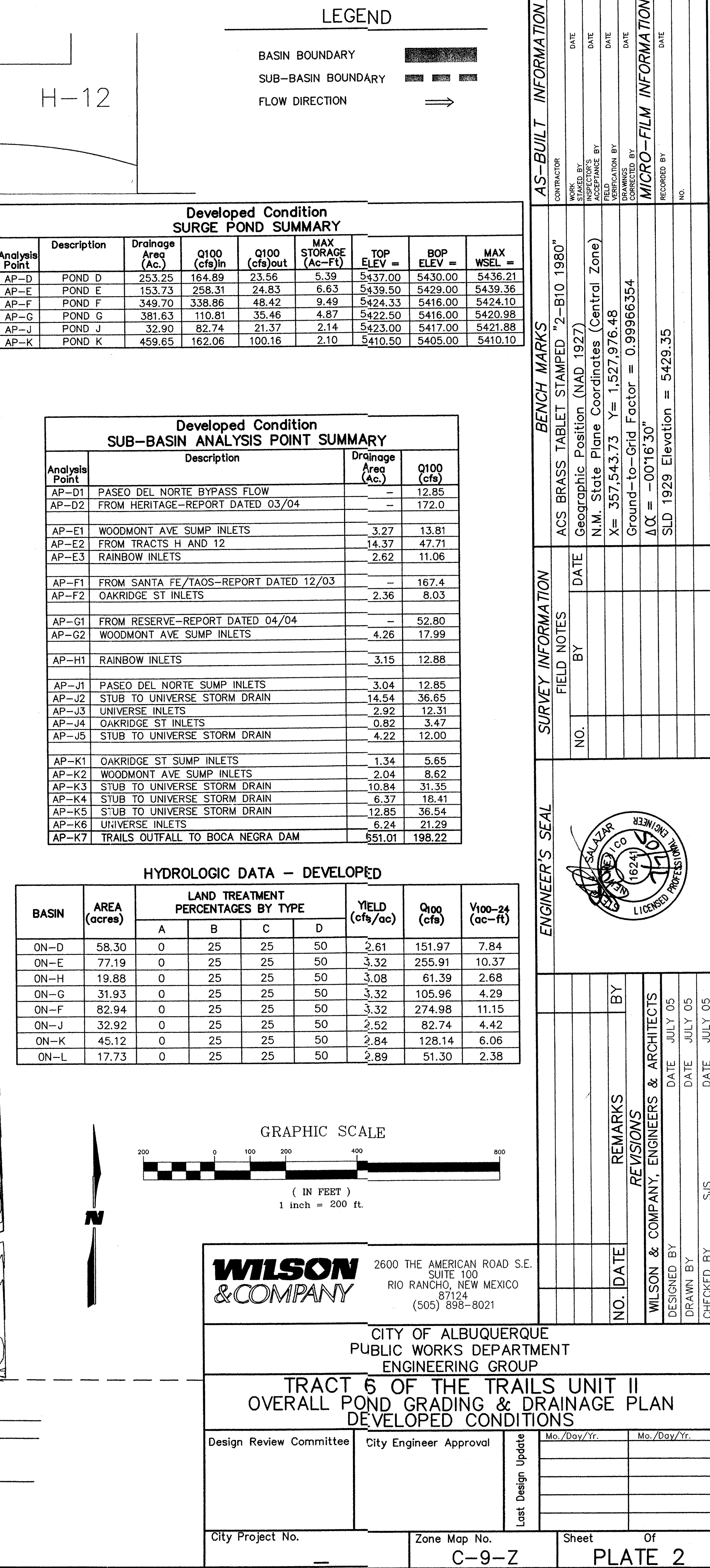
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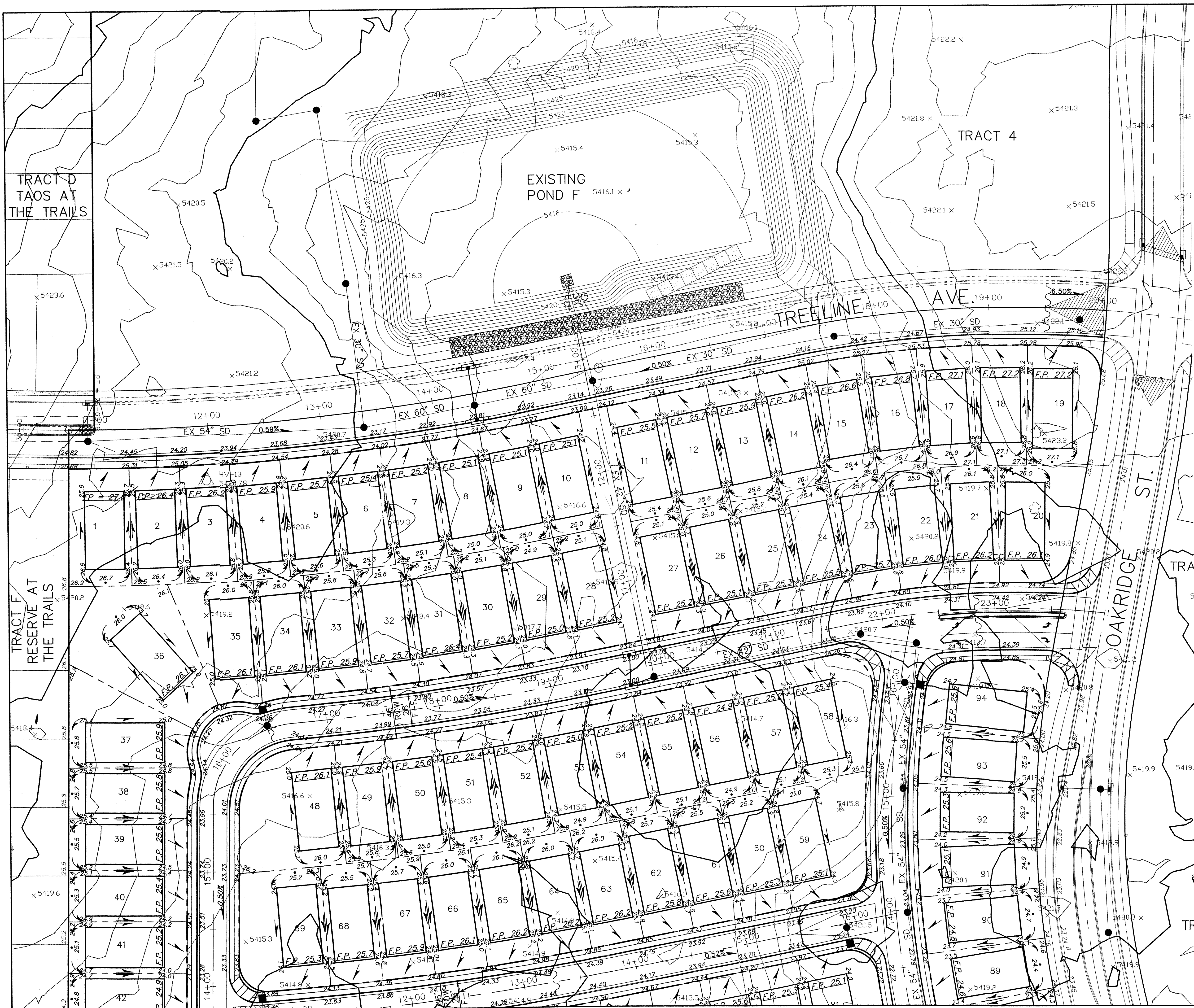
ENGINEER'S SEAL
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REMARKS
BY
REVISIONS
WILSON & COMPANY, ENGINEERS & ARCHITECTS
DESIGNED BY DMD DATE AUG 2007
DRAWN BY DMD DATE AUG 2007
CHECKED BY SJS DATE AUG 2007

PLATE 1





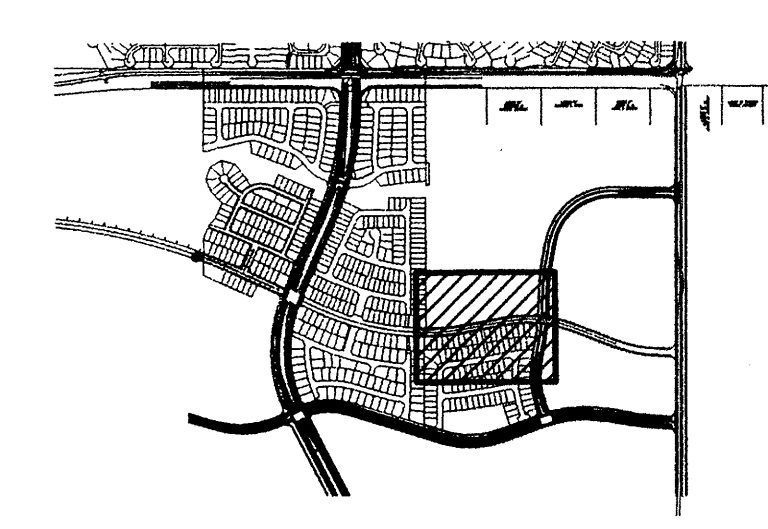


LEGEND

- RETAINING WALL
- HIGH POINT
- DIRECTION OF FLOW
- LINE ELEVATION
- BASIN BOUNDARY
- TYPE DOUBLE C INLET
- RETAINING WALL POINT

GRAPHIC SCALE

SCALE: 1 INCH = 40 FT.



WILSON & COMPANY

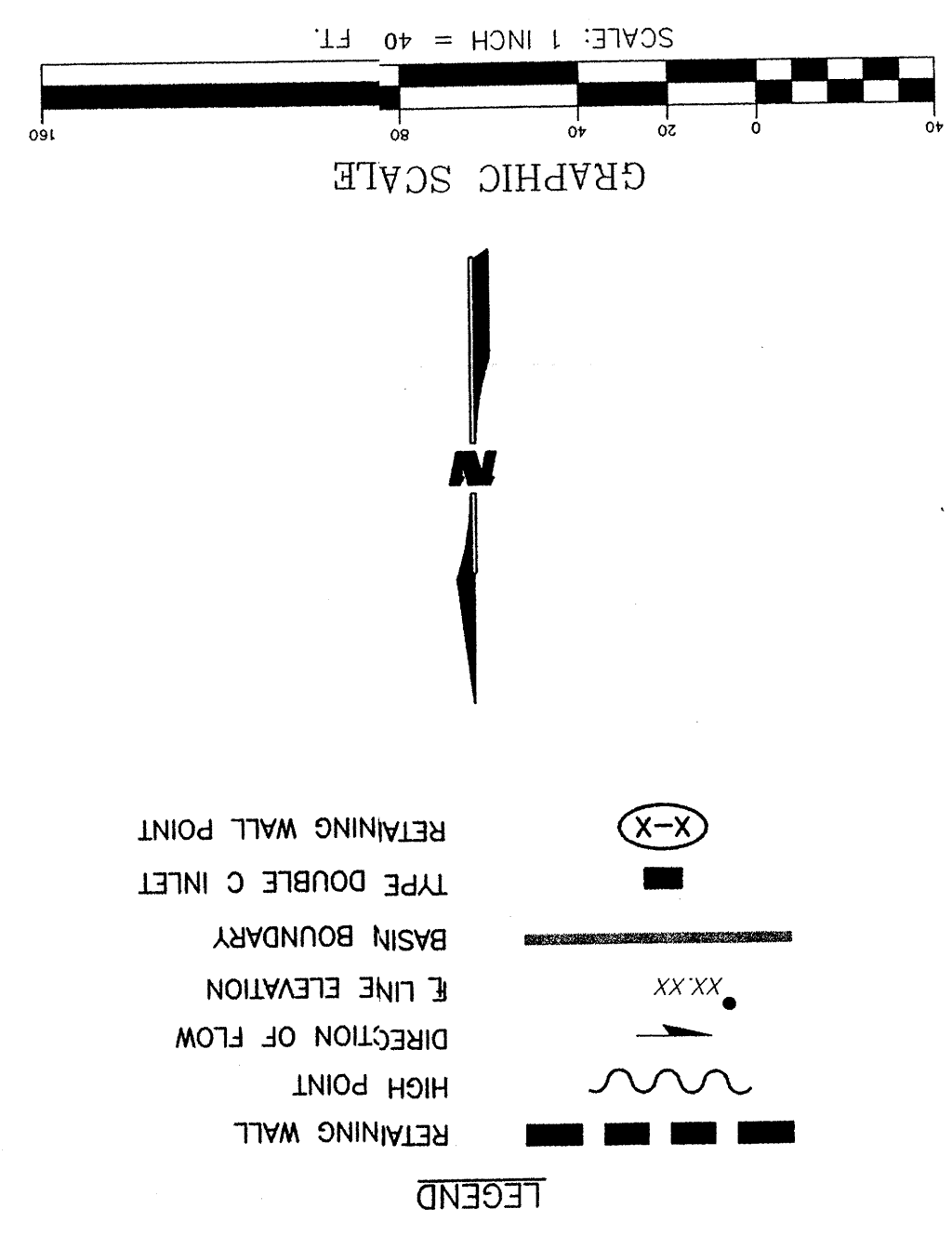
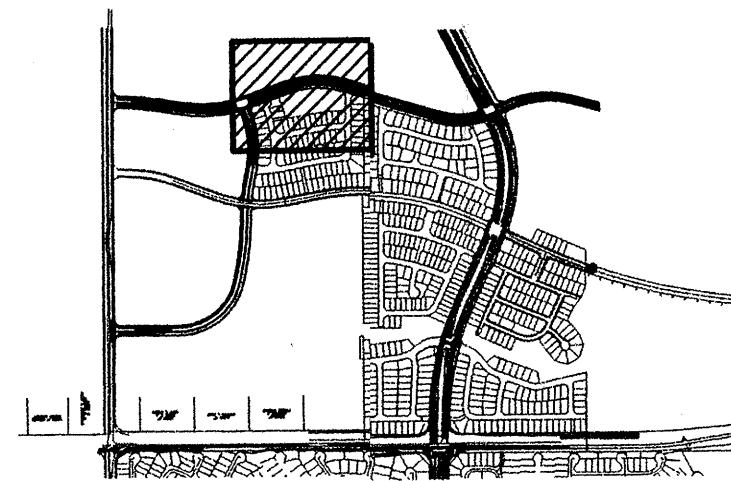
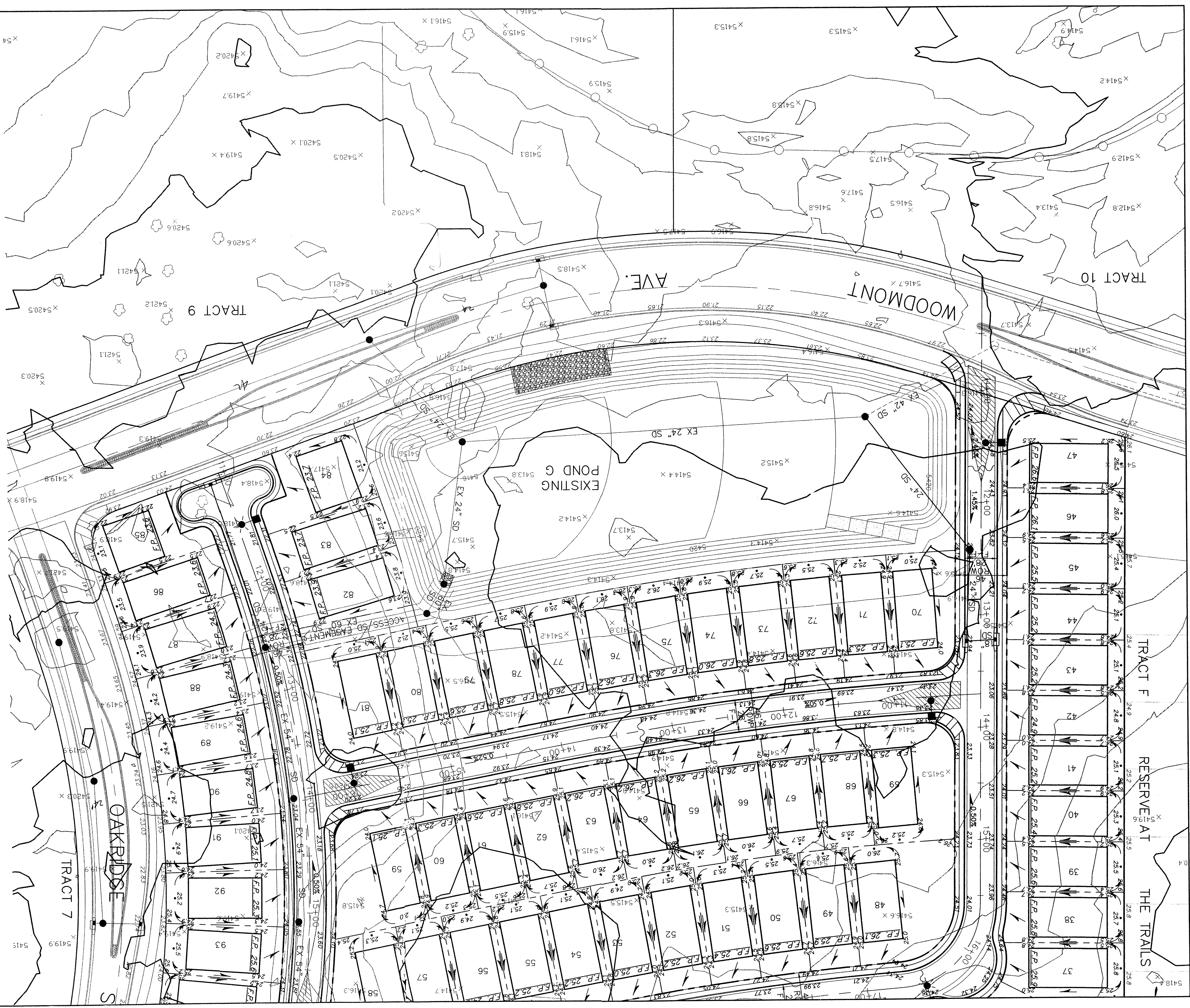
2600 THE AMERICAN ROAD S.E.
SUITE 100
RIO RANCHO, NEW MEXICO 87124
(505) 898-8021

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TRACT 6 OF THE TRAILS UNIT II
GRADING & DRAINAGE PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	of
	C-9-Z	PLATE 3A	

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	ACS BRASS TABLET STAMPED "2-B10 1980"	Geographic Position (NAD 1927)	DATE	BY		REMARKS
WORK BY	DATE	Geographic Position (NAD 1927)	N.M. State Plane Coordinates (Central Zone)	NO.			
SURVEYED BY	DATE	X= 357,543.73	Y= 1,527,976.48			WILSON & COMPANY, ENGINEERS & ARCHITECTS	REVISIONS
VERIFICATION BY	DATE	Ground-to-Grid Factor = 0.99966354	ΔC = -0016'30"			DESIGNED BY	DATE
COMPUTED BY	DATE	SLD 1929 Elevation = 5429.35				DRAWN BY	DATE
RECORDED BY	DATE					CHECKED BY	DATE
NO.							



WILSON & COMPANY 2600 THE AMERICAN ROAD S.E. SUITE 100 RIO RANCHO, NEW MEXICO 87124 (505) 898-8021		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP		TRACT 6 OF THE TRAILS UNIT II GRADING & DRAINAGE PLAN		City Project No. _____ Design Review Committee _____ City Engineer Approval _____ Last Design Update _____ Mo./Day/Yr. _____		Zone Map No. _____ C-9-Z		Sheet _____ Of _____ PLATE 3B	
REMARKS		REVISIONS		BY		DATE		NO.		DATE	
WILSON & COMPANY, ENGINEERS & ARCHITECTS		DESIGNED BY DMD		DATE JULY 05							
DRAWN BY DMD		DATE JULY 05									
CHECKED BY SJS		DATE JULY 05									
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION					
		FIELD NOTES		ACS BRASS TABLET STAMPED "2-BIO 1980"		CONTRACTOR					
		DATE		Geographic Position (NAD 1927)		STARTED BY					
		BY		N.M. State Plane Coordinates (Central Zone)		INSPECTED BY					
		DATE		X= 357,543.73 Y= 1,527,976.48		DATE					
				Ground-to-Grid Factor = 0.9996554		FIELD NOTES BY					
				SLO 1929 Elevation = 5429.35		DATE					
						COMMENTS BY					
						MICRO-FILM INFORMATION					
						RECORDED BY					
						DATE					