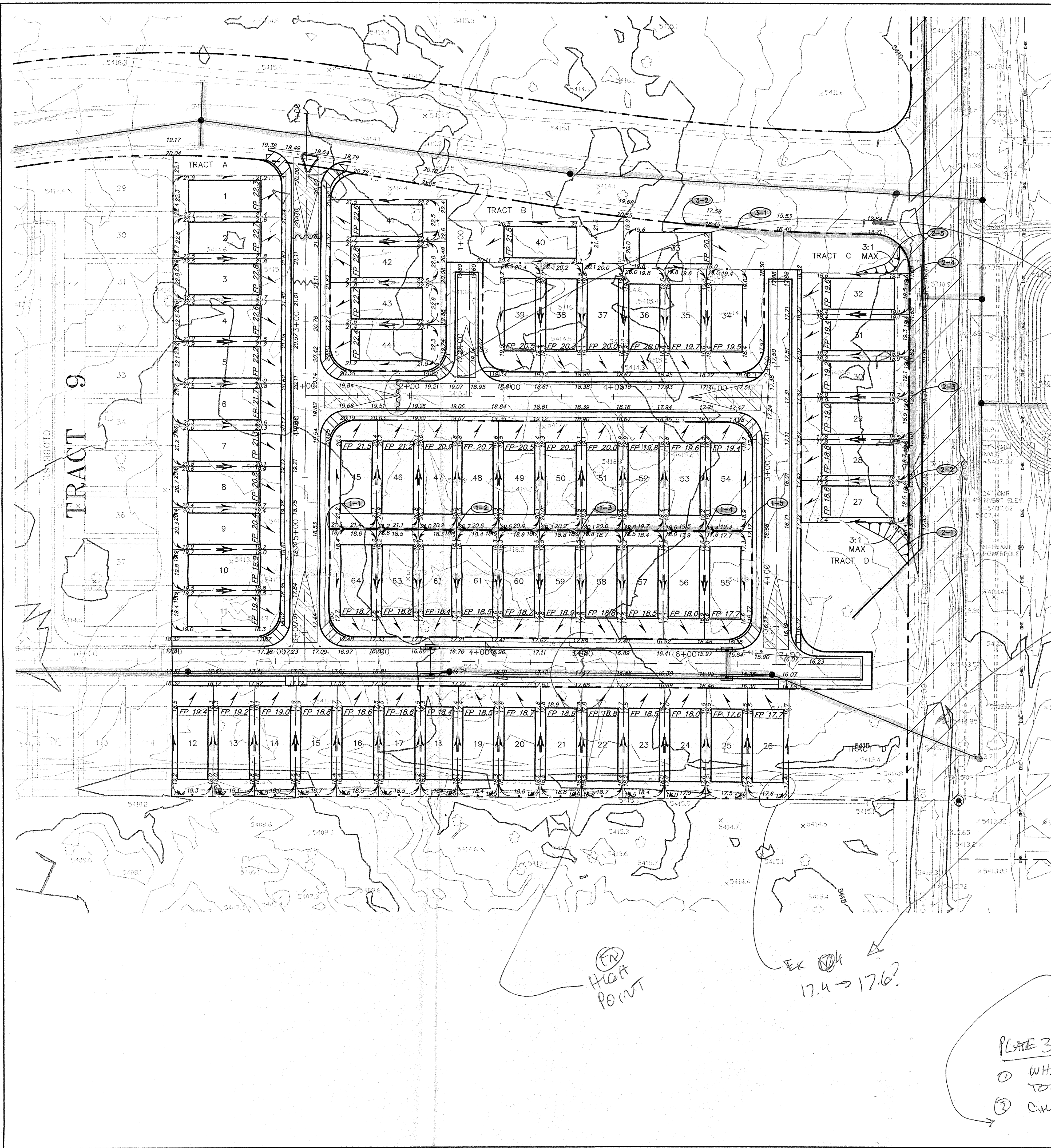




RETAINING WALL TABLE				
WALL POINT	TOP OF WALL ELEV	TOP OF FOOTING ELEV	WALL HEIGHT (FT)	APPROX WALL LENGTH (FT)
1-1	21.50	18.15		
1-2	21.50/20.83	18.15	3.33	125
1-3	20.83/20.16	18.15/17.48	2.67	120
1-4	20.16/19.50	17.48/16.82	3.33	120
1-5	19.50	16.82	2.67	36
2-1	18.37	12.34		
2-2	18.37/19.04	12.34/11.67	6.00	30
2-3	19.04/19.71	11.67/11.00	7.37	120
2-4	19.71/18.37	11.00	8.71	80
2-5	18.37	11.00	7.37	60
3-1	19.67	17.00		
3-2	19.67	17.00	2.67	50

SITE = 9.4 AC.

NARRATIVE: NO BREAKDOWN
OF 9.4 AC SITE
w/ 90 TRIMENTS
TO VERIFY 27.31 AC

① NOT @ HIGHPOINT

USE CONSISTENT SYMBOLOLOGY

LEGEND

- RETAINING WALL
- HIGH POINT
- DIRECTION OF FLOW
- LINE ELEVATION
- BASIN BOUNDARY
- TYPE DOUBLE C INLET
- RETAINING WALL POINT
- MH TO BE BUILT WITH COA # 730084
- SD TO BE BUILT WITH COA # 730084
- PROPOSED SD MANHOLE
- PROPOSED SD PIPE

CGG

EASEMENT?

PLATE 3 G&D PLAN

- ① NOT HIGH POINT! MOVE WEST TO INTERSECTION
- ② HIGH POINT NOT CALLED OUT LOT 21/54 INCONSISTENT LINE TYPE
- ③ BACKYARD FLOWS?
- ④ CGG ON LEGEND
- ⑤ FLOW ARROW ON LOT 42 POINTS UPSTREAM
- ⑥ TO HIGH POINT

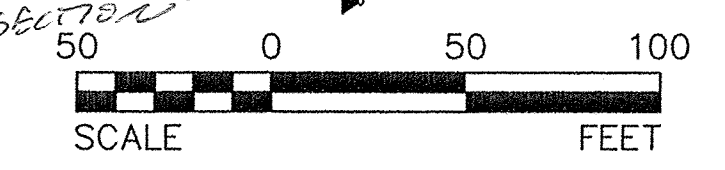
PLATE 1: INTERIM CONDITIONS

- ① WHAT DOES "90 DEV (ACRES)" MEAN?
- ② CALCS OFF; SAMEA = 385.12 AC RES - ON HZ" YIELDS 13.06 CFS/AC (NOT!)
- ③ BASIN "DN - E" NOT SHOWN ON P₁ OR P₂ = ONLY EI ON P₁

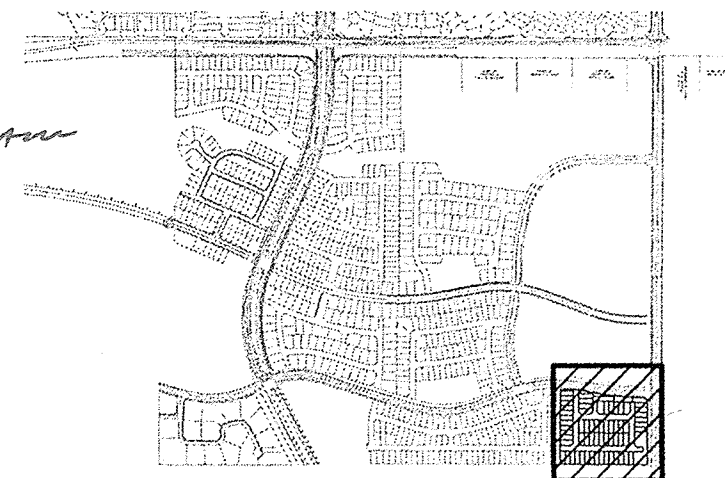
PLATE 3 = DEVELOPED COND

- ① WHAT HAPPENED TO BASIN 'E' + HZ TOT AREA = 303.15
- ② CALCS OFF, BASIN AREAS ON CALCS

Lot 44/46



INDEX MAP



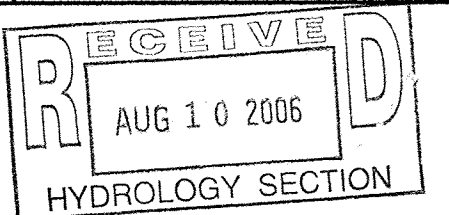
WILSON & COMPANY
2600 THE AMERICAN ROAD S.E.
SUITE 100
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87124
(505) 898-8021

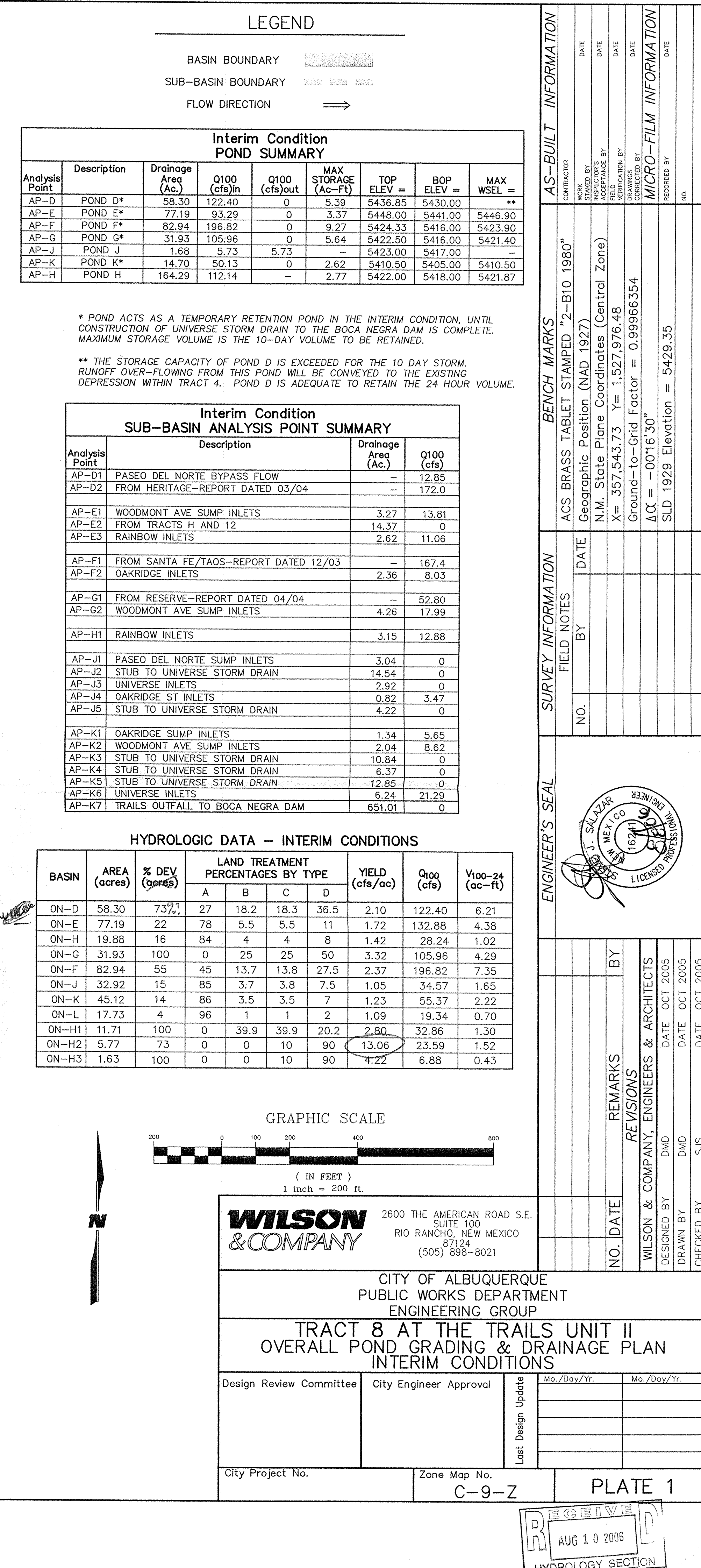
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TRACT 8 AT THE TRAILS UNIT II
GRADING & DRAINAGE PLAN

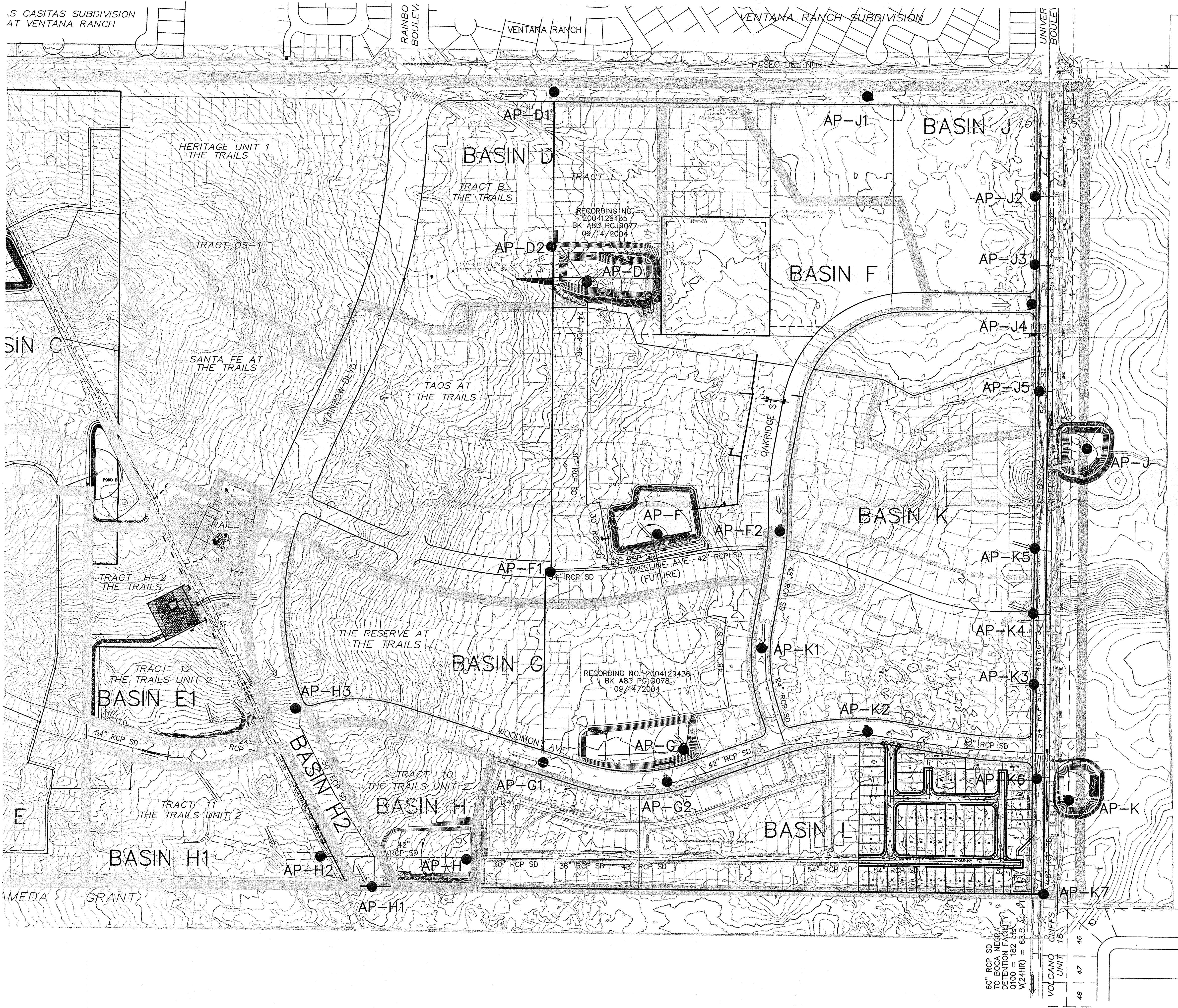
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	C-9-Z		

PLATE 3





S CASITAS SUBDIVISION
AT VENTANA RANCH



LEGEND

- BASIN BOUNDARY
- SUB-BASIN BOUNDARY
- FLOW DIRECTION

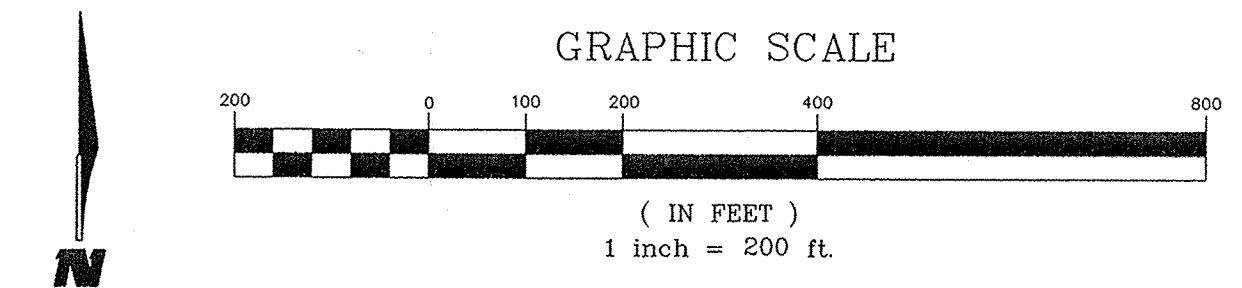
Developed Condition SURGE POND SUMMARY							
Analysis Point	Description	Drainage Area (Ac.)	Q100 (cfs)in	Q100 (cfs)out	MAX STORAGE (Ac-Ft)	TOP ELEV =	BOP ELEV =
AP-D	POND D	253.25	164.89	23.56	5.39	5436.85	5430.00
AP-F	POND F	349.70	338.86	33.92	9.41	5424.33	5416.00
AP-G	POND G	381.63	138.81	33.51	3.66	5422.50	5416.00
AP-J	POND J	32.90	82.74	21.37	2.14	5423.00	5421.87
AP-H	POND H	184.29	112.14	35.28	2.77	5422.00	5418.00
AP-K	POND K	459.65	164.27	101.37	2.15	5410.50	5405.00

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 (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



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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TRACT 8 AT THE TRAILS UNIT II OVERALL POND GRADING & DRAINAGE PLAN DEVELOPED CONDITIONS	
Design Review Committee	City Engineer Approval
City Project No.	Zone Map No.
	C-9-Z

AS-BUILT INFORMATION

CONTRACTOR: _____

WORK STARTED BY: _____ DATE: _____

FIELD ACCEPTANCE BY: _____ DATE: _____

DRAWN BY: _____ DATE: _____

CHECKED 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

ΔX = -00'16"30"

SLD 1929 Elevation = 5429.35

SURVEY INFORMATION

FIELD NOTES

DATE: _____

BY: _____

NO.: _____

ENGINEER'S SEAL

Professional Engineer Seal for Wilson & Company, Inc., License No. 16241.

REVISIONS

NO.	DATE	REMARKS

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY: DMD DATE: OCT 2005

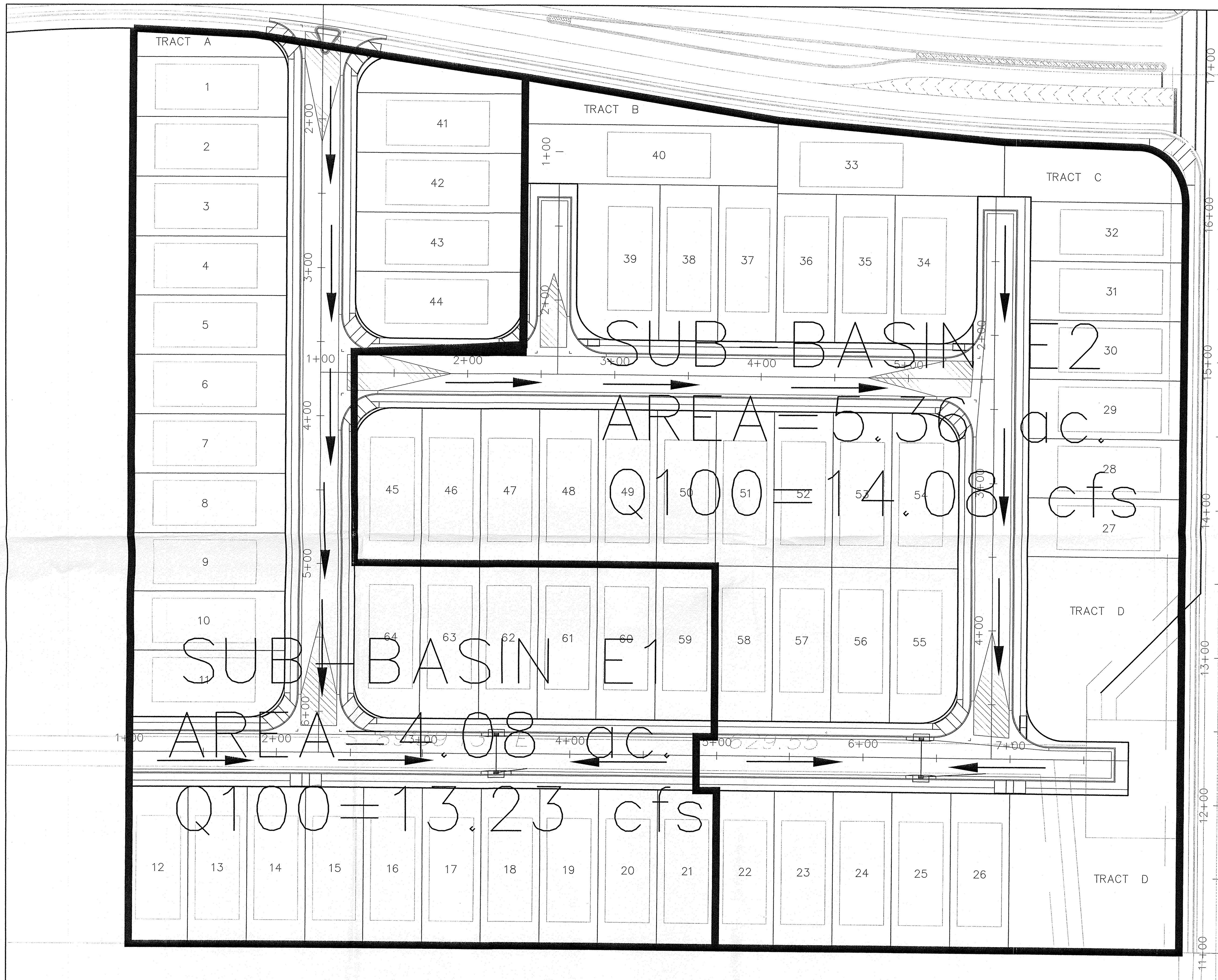
DRAWN BY: DMD DATE: OCT 2005

CHECKED BY: SJS DATE: OCT 2005

PLATE 2

AUG 10 2006

HYDROLOGY SECTION



LEGEND

— BASIN BOUNDARY

→ DIRECTION OF FLOW

SCALE: 1"=30'

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 PUBLIC WORKS DEPARTMENT
 ENGINEERING GROUP

**TRACT 8 AT THE TRAILS UNIT II
 SUB-BASIN MAP**

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

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

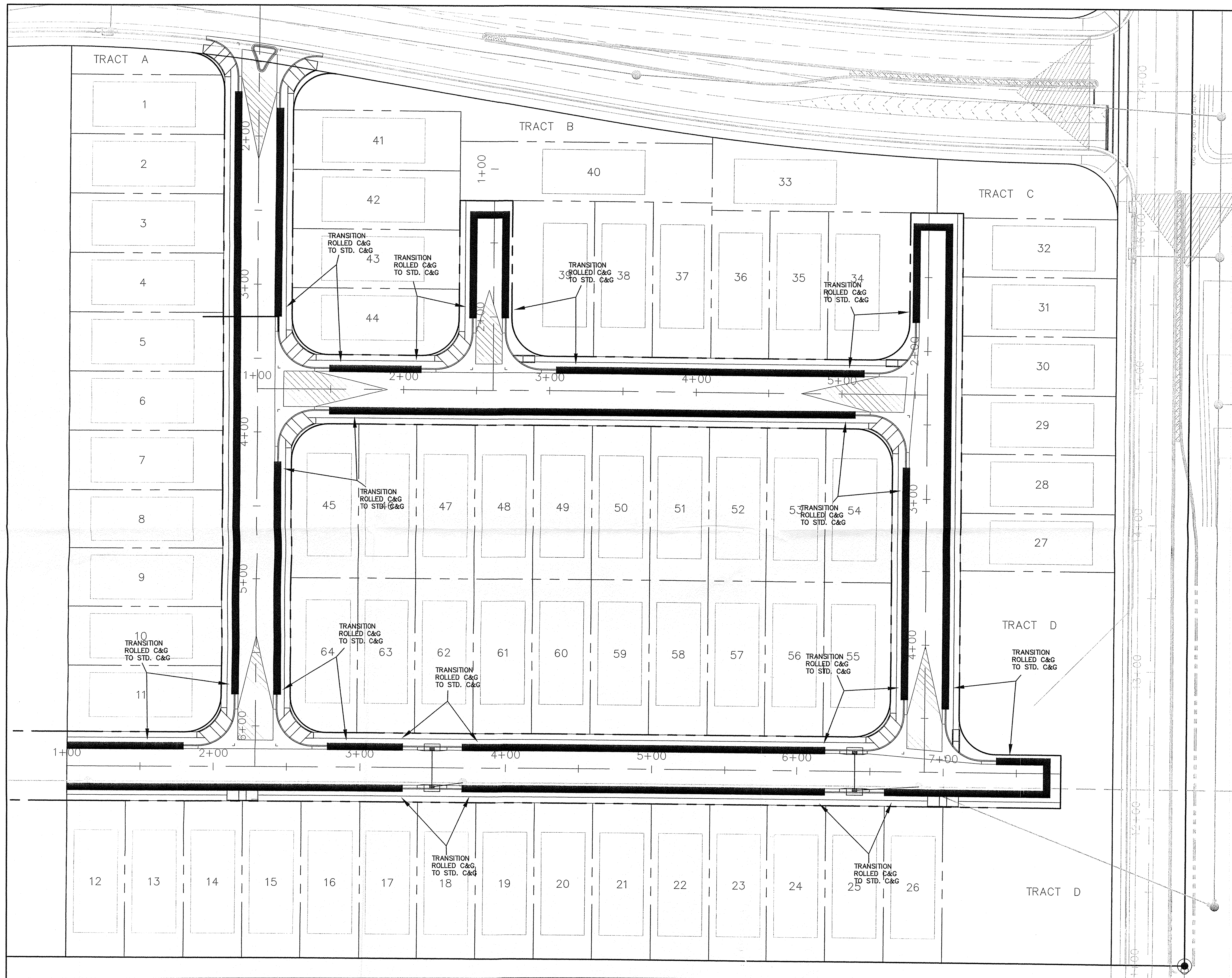
PLATE 4

SURVEY INFORMATION	
NO.	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 = -0016'30"	
SLD 1929 Elevation = 5429.35	

AS-BUILT INFORMATION	
CONTRACTOR	
DATE	

MICRO-FILM INFORMATION	
RECORDED BY	
DATE	



LEGEND

CURB & GUTTER
LOCATION OF ROLLED CURB
INLET
STORM DRAIN MANHOLE

SCALE: 1" = 30'

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**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

**TRACT 8 THE TRAILS UNIT II
ROLL CURB EXHIBIT**

DESIGNED BY	CHECKED BY	DATE	REVISIONS	BY
WILSON & COMPANY, ENGINEERS & ARCHITECTS		JAN 05		

Design Review Committee City Engineer Approval

City Project No. — Zone Map No. C-9-Z

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	FIELD NOTES	DATE	BY	CONTRACTOR	DATE
				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	

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REMARKS	BY

WILSON & COMPANY, ENGINEERS & ARCHITECTS

DESIGNED BY: DATE: JAN 05

DRAWN BY: DATE: JAN 05

CHECKED BY: DATE: JAN 05

City Project No. — Zone Map No. C-9-Z

PLATE 5