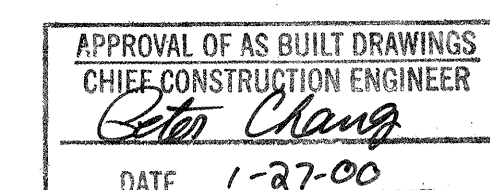


CONSTRUCTION PLANS
FOR
LA SALA DEL NORTE
UNIT I
ALBUQUERQUE, NEW MEXICO

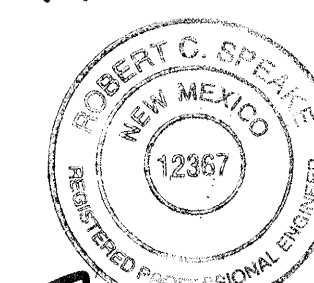
INDEX

SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
2	FINAL-PLAT
3	GRADING PLAN UNIT I
4	UNIT 1: OVERALL PAVING PLAN
5	PAVING PLAN AND PROFILE SHEETS
6	CALLE DEL CAMPO - CALLE ELENA
7	CALLE SANTIAGO
8	CALLE GARZA
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10	UNIT 1: OVERALL UTILITY PLAN
11	UTILITY PLAN AND PROFILE SHEETS
12	CALLE DEL CAMPO & CALLE ELENA
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15	VIA DEL CERRO
16 & 17	VIA DEL CERRO SAS EXTENSION STORM DRAIN EASEMENT AND DETAILS TRAFFIC CONTROL STANDARDS



COA INSPECTOR: RUBEN ORTEGA

ASBUILT

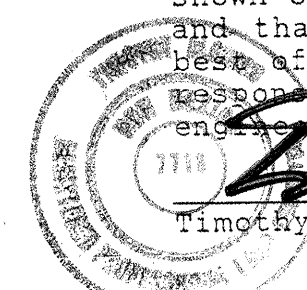


DRB# 98-314

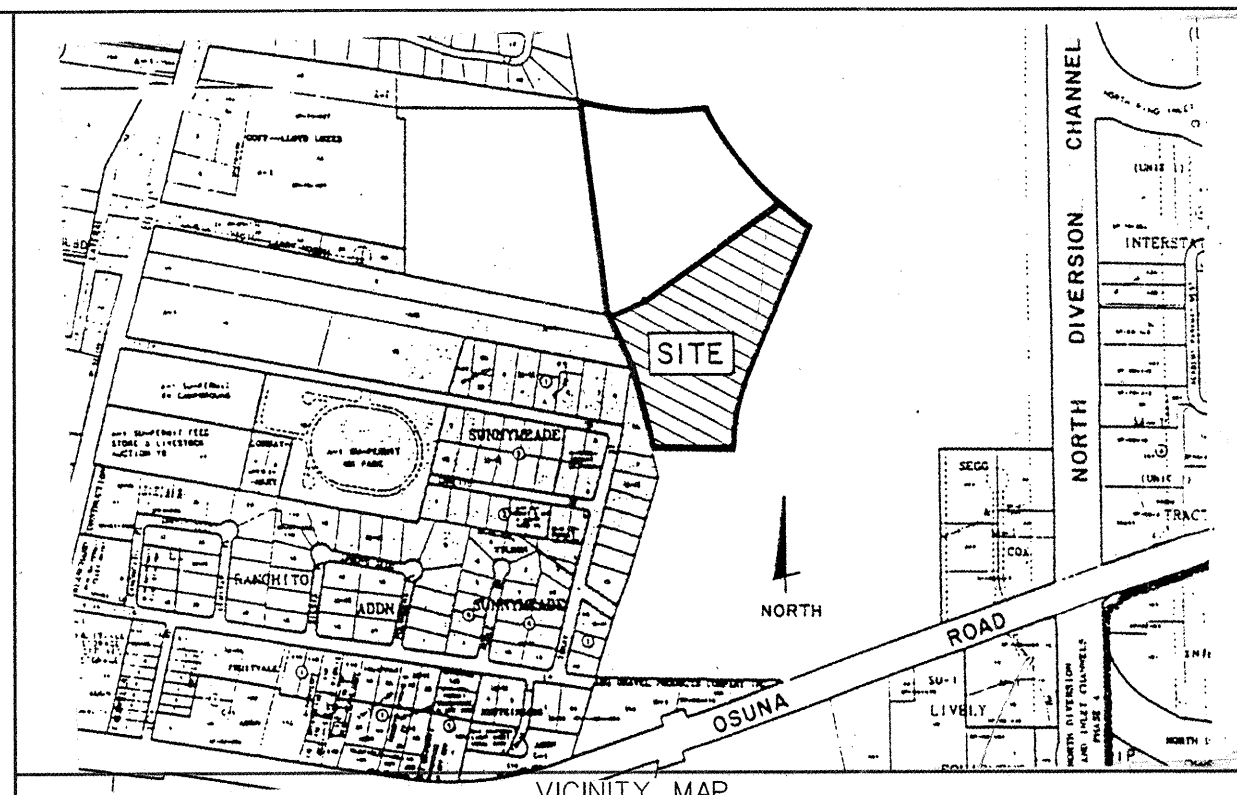
Behannan & Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS LANDSCAPE ARCHITECTS

SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the 'as-built' information shown on these drawings was obtained from field construction and 'as-built' surveys performed by me or under my supervision, that the 'as-built' information shown on these drawings was added by me or under my supervision, and that this 'as-built' information is true and correct to the best of my knowledge and belief." Aldrich Land Surveying is not responsible for any of the design concepts, calculations, engineering, or intent of the record drawings.



09-15-99



NOT TO SCALE
ZONE MAP NO. D-16/E-16

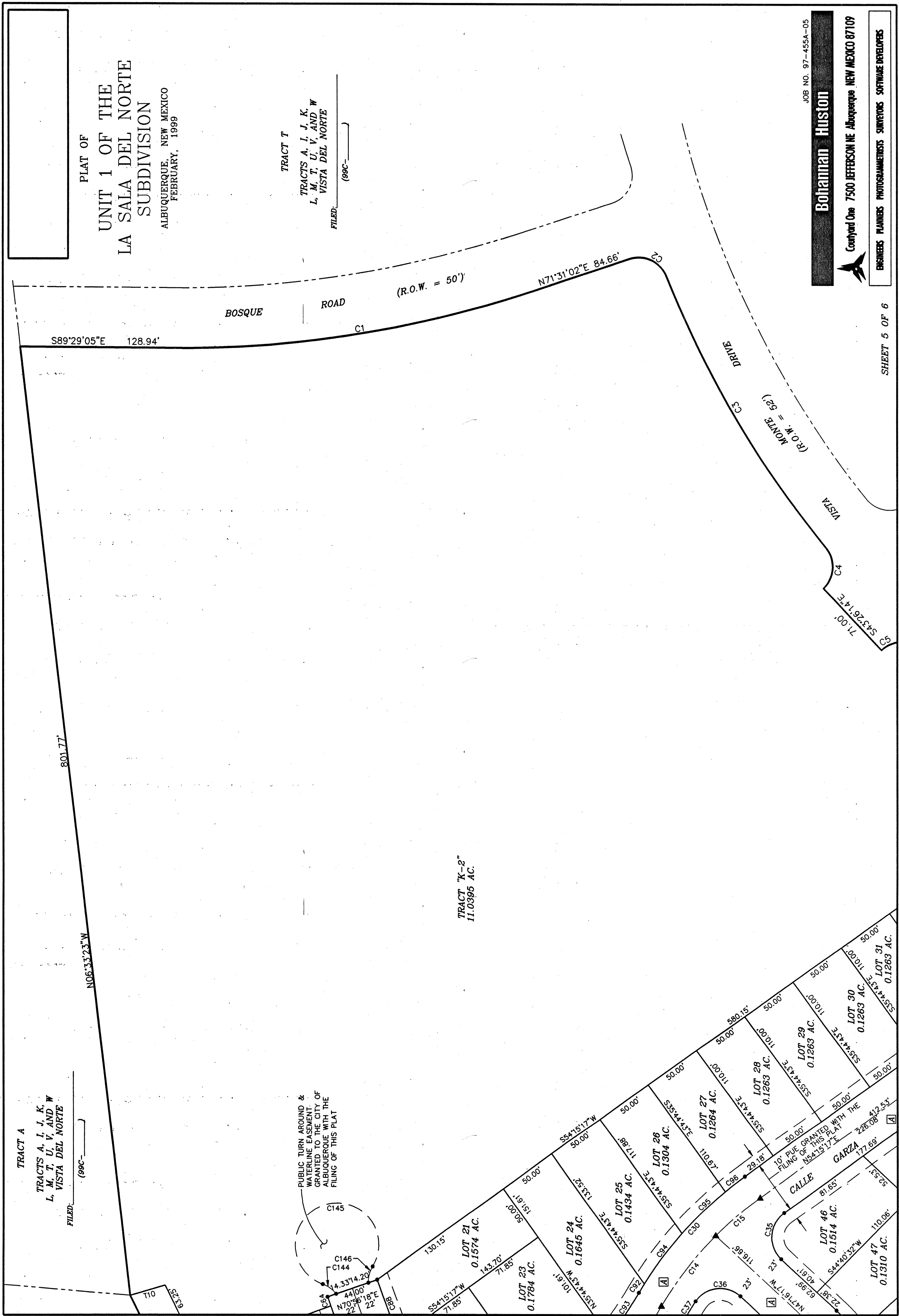
NOTICE TO CONTRACTORS

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AND SHALL INCLUDE UPDATE No. 6.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/ PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ANY WORK WITHIN AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DERESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****			
	DRC Chairman	<i>[Signature]</i>	3-17-99	APPROVED FOR CONSTRUCTION			
	Transportation	<i>[Signature]</i>	3-01-99				
	Water/Wastewater	<i>[Signature]</i>	3-1-99				
	Hydrology	<i>[Signature]</i>	3-1-99				
	Const. Coord.	<i>[Signature]</i>	3-1-99				
Const. Mngmt.							
CIP							
City Project No.		603581	Sheet		1	Of	17



CURVE DATA										CURVE DATA										
CURVE	RADIUS	LENGTH	TANGENT	CHORD	CHORD BEARING	DELTA	CURVE	RADIUS	LENGTH	TANGENT	CHORD	CHORD BEARING	DELTA	CURVE	RADIUS	LENGTH	TANGENT	CHORD	CHORD BEARING	DELTA
C1	925.00'	306.71'	154.78'	305.31'	N81°00'58"E	18°59'53"	C99	798.00'	61.67'	30.94'	61.56'	S59°09'03"W	11°51'24"	C107	830.62'	43.97'	21.99'	43.97'	S57°32'20"E	03°02'00"
C2	25.00'	37.84'	23.61'	34.33'	S55°07'09"E	86°42'39"	C100	40.00'	54.15'	32.14'	50.11'	N46°13'43"E	77°33'53"	C108	830.62'	43.97'	21.99'	43.97'	S57°32'20"E	03°02'00"
C3	851.00'	263.92'	132.67'	262.17'	S55°07'09"E	17°43'18"	C101	40.00'	54.15'	32.14'	50.11'	N46°13'43"E	77°33'53"	C109	830.62'	43.97'	21.99'	43.97'	S57°32'20"E	03°02'00"
C4	25.00'	37.84'	23.61'	34.33'	S55°07'09"E	86°42'39"	C102	786.62'	69.49'	34.77'	69.47'	N50°10'52"W	05°03'42"	C110	830.62'	43.97'	21.99'	43.97'	S57°32'20"E	03°02'00"
C5	25.00'	37.84'	23.61'	34.33'	S55°07'09"E	86°42'39"	C103	786.62'	69.49'	34.77'	69.47'	N50°10'52"W	05°03'42"	C111	830.62'	43.97'	21.99'	43.97'	S57°32'20"E	03°02'00"
C6	30.00'	47.12'	30.00'	42.43'	S58°53'58"E	90°00'00"	C104	830.62'	43.97'	21.99'	43.97'	S57°32'20"E	03°02'00"	C112	203.00'	24.96'	12.50'	24.94'	N46°21'11"W	07°02'40"
C7	30.00'	47.12'	30.00'	42.43'	S58°53'58"E	90°00'00"	C105	830.62'	43.97'	21.99'	43.97'	S57°32'20"E	03°02'00"	C113	52.50'	35.97'	18.72'	35.97'	N40°12'56"W	39°10'54"
C8	25.00'	39.27'	25.00'	35.36'	S71°06'02"W	90°00'00"	C106	830.62'	43.97'	21.99'	43.97'	S57°32'20"E	03°02'00"	C114	52.50'	35.97'	18.72'	35.97'	N40°12'56"W	39°10'54"
C9	25.00'	38.68'	24.41'	34.93'	S19°34'49"E	88°38'07"	C107	830.62'	43.97'	21.99'	43.97'	S57°32'20"E	03°02'00"	C115	52.50'	35.97'	18.72'	35.97'	N40°12'56"W	39°10'54"
C10	190.00'	333.66'	162.22'	333.28'	S19°34'49"E	88°38'07"	C108	830.62'	43.97'	21.99'	43.97'	S57°32'20"E	03°02'00"	C116	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C11	1200.00'	341.29'	171.80'	340.14'	N82°02'54"W	16°17'43"	C109	830.62'	43.97'	21.99'	43.97'	S57°32'20"E	03°02'00"	C117	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C12	1000.00'	124.51'	62.34'	124.43'	N82°02'54"W	16°17'43"	C110	830.62'	43.97'	21.99'	43.97'	S57°32'20"E	03°02'00"	C118	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C13	320.00'	192.12'	99.05'	189.24'	N47°51'49"E	34°23'53"	C111	830.62'	43.97'	21.99'	43.97'	S57°32'20"E	03°02'00"	C119	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C14	300.00'	74.49'	37.44'	74.29'	N47°46'38"E	14°13'32"	C112	203.00'	24.96'	12.50'	24.94'	N46°21'11"W	07°02'40"	C120	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C15	300.00'	49.03'	24.51'	48.98'	N49°34'21"E	09°21'53"	C113	52.50'	35.97'	18.72'	35.97'	N40°12'56"W	39°10'54"	C121	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C16	75.00'	47.71'	24.69'	46.17'	N71°46'38"E	35°26'44"	C114	52.50'	35.97'	18.72'	35.97'	N40°12'56"W	39°10'54"	C122	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C17	75.00'	46.93'	24.26'	46.17'	N53°37'43"E	35°51'05"	C115	52.50'	35.97'	18.72'	35.97'	N40°12'56"W	39°10'54"	C123	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C18	1790.00'	224.69'	112.49'	224.54'	N21°17'56"E	07°11'31"	C116	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C124	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C19	1790.00'	12.55'	6.27'	12.55'	N25°05'45"E	00°24'06"	C117	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C125	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C20	180.00'	122.35'	63.64'	120.01'	N05°49'27"E	38°58'42"	C118	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C126	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C21	880.00'	105.63'	54.38'	104.12'	N30°27'36"W	33°37'22"	C119	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C127	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C22	808.62'	247.95'	124.98'	246.98'	S55°38'54"E	17°34'09"	C120	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C128	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C23	1178.00'	346.07'	174.28'	344.82'	N17°46'47"W	16°48'55"	C121	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C129	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C24	1022.00'	121.25'	63.71'	121.17'	N22°37'44"W	07°06'03"	C122	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C130	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C25	978.00'	121.77'	60.97'	121.69'	N22°37'44"W	07°06'03"	C123	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C131	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C26	25.00'	38.72'	24.46'	34.96'	S70°54'00"W	88°14'05"	C124	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C132	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C27	25.00'	38.47'	24.21'	34.79'	S70°54'00"W	88°14'05"	C125	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C133	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C28	122.00'	289.93'	145.65'	288.25'	S16°15'30"E	13°35'38"	C126	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C134	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C29	239.00'	78.91'	39.24'	78.23'	N47°51'49"E	14°13'32"	C127	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C135	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C30	40.00'	172.68'	60.05'	66.58'	S06°00'16"E	23°52'26"	C128	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C136	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C31	40.00'	172.68'	60.05'	66.58'	S06°00'16"E	23°52'26"	C129	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C137	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C32	25.00'	27.67'	15.44'	26.28'	S85°57'36"W	6°24'37"	C130	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C138	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C33	25.00'	44.84'	31.29'	39.06'	S02°52'39"W	10°24'51"	C131	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C139	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C34	25.00'	34.32'	20.49'	31.69'	N08°24'44"W	78°59'58"	C132	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C140	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C35	25.00'	44.84'	31.29'	39.06'	S02°52'39"W	10°24'51"	C133	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C141	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C36	25.00'	44.84'	31.29'	39.06'	S02°52'39"W	10°24'51"	C134	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C142	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C37	278.00'	18.08'	9.04'	18.08'	S32°31'40"W	03°43'36"	C135	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C143	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C38	342.00'	205.37'	106.86'	202.25'	S47°51'49"E	34°23'53"	C136	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C144	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C39	16.00'	27.75'	18.85'	24.40'	N40°19'05"E	99°21'49"	C137	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C145	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C40	25.00'	35.12'	21.16'	35.12'	N40°19'05"E	99°21'49"	C138	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C146	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C41	25.00'	35.12'	21.16'	35.12'	N40°19'05"E	99°21'49"	C139	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C147	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C42	1813.00'	241.30'	120.83'	241.13'	N21°29'01"W	07°23'33"	C140	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C148	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C43	157.00'	198.85'	115.86'	188.12'	N19°50'15"W	72°34'04"	C141	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C149	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C44	203.00'	51.16'	25.72'	51.03'	S40°03'10"E	14°26'26"	C142	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C150	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C45	25.00'	24.43'	13.29'	23.47'	S60°49'14"E	55°58'46"	C143	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C151	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C46	52.50'	137.74'	198.17'	101.90'	S13°38'54"E	15°03'38"	C144	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C152	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C47	52.50'	137.74'	198.17'	101.90'	S13°38'54"E	15°03'38"	C145	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C153	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C48	203.00'	266.33'	133.44'	266.31'	S09°17'33"W	07°23'01"	C146	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C154	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C49	25.00'	33.58'	19.87'	31.11'	S25°25'27"E	76°57'00"	C147	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C155	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C50	25.00'	40.69'	26.47'	36.35'	S69°28'08"W	9°31'54"	C148	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C156	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"
C51	1767.00'	158.34'	79.22'	158.73'	S20°12'17"W	05°08'04"	C149	181.00'	17.86'	8.94'	17.85'	S24°02'13"W	01°00'59"	C157	1767					

Bohannon Huston
 Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
 JOB NO. 97-423K-02

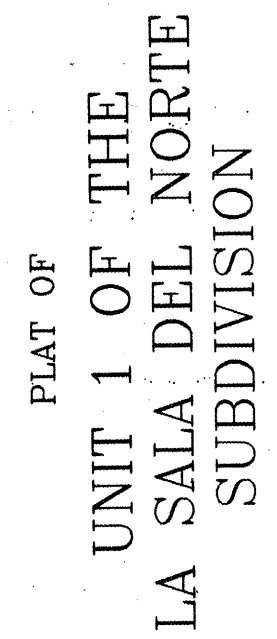
7500 JEFFERSON NE Albuquerque NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVIVORS SOFTWARE DEVELOPERS

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P:\97455\SURVEY\GRAPHICS\97455A05\DWG\97455A05PCOV01.DWG 02/08/1999

SHEET 3 OF 6



TRACT "K-2"
11.0395 AC.

50 25 0 50
SCALE: 1" = 50'

08 NO 97-455A-05

Dohannon Hueton

NEW YORK 97100

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

[illegible]

SHEET 4 OF 6

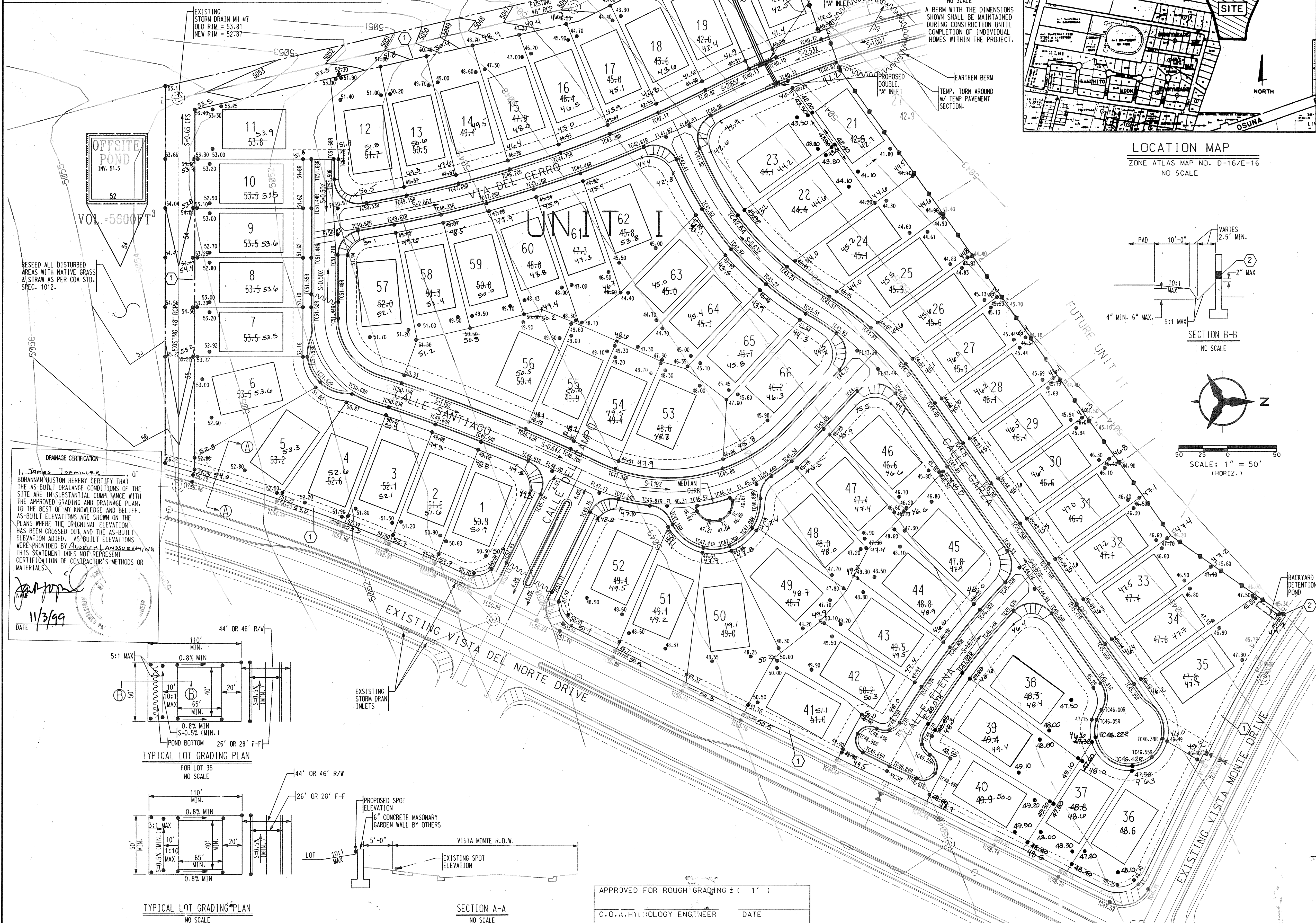
-20' PUBLIC WATERLINE
& NON-VEHICULAR PEDESTRIAN
ACCESS EASEMENT (TO BE MAINTAINED
BY THE VISTA DEL NORTE HOME OWNERS
ASSOCIATION) GRANTED TO THE CITY OF
ALBUQUERQUE WITH THE FILING OF THIS
PLAN

TRACTS A, I, J, K,
L, M, T, U, V, AND W
VISTA DEL NORTE

FILED: _____
(99C-_____)

THIS SHEET FOR INFORMATION ONLY

RETENTION POND DIMENSIONS PLAN					
LOCATION	REQUIRED VOLUME (CU. FT.)	POND DIMENSION (AVG. WIDTHS) L W1 W2 D		ACTUAL POND VOLUME (CU. FT.)	
OFFSITE	5227	72	62	50	2.5
					5600



GENERAL NOTES

- CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS TO REFER TO EARTHWORK SPECIFICATION AS NOTED IN THE SOILS REPORT.
- THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER THE DETAIL ON THIS SHEET AND WETTING THE SOIL TO KEEP IT FROM BLOWING AS PER THE EROSION CONTROL DETAIL ON THIS SHEET.
- ALL STREET SPOT ELEVATIONS ARE TO TOP OF CURB UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT FLOWLINE ELEVATION.

LEGAL DESCRIPTION

A PORTION OF TRACT K OF VISTA DEL NORTE

KEYED NOTES:

- CONCRETE MASONRY UNIT FENCE REQUIRED AROUND PERIMETER OF SITE. STANDARD C.M.U. = 6" X 8" X 16" GROUT REINFORCED CELLS ONLY.
- FENCING CONTRACTOR IS TO PROVIDE ONE TURNED OUT BLOCK IN LOWEST CORNER OF LOTS JUST ABOVE GROUND SURFACE TO PROVIDE BACKYARD TO DRAINAGE TO THE VISTA MONTE DRIVE R/W.

LEGEND

PROPOSED SPOT ELEVATION: 5235.25

TOP OF ROLL CURB ELEVATION: 5235.25R

EXISTING SPOT ELEVATION: 5235.25

FUTURE SPOT ELEVATION: 5235.25

PROPOSED CONTOUR: 5235.25

EXISTING CONTOUR: 5235.25

DIRECTION OF FLOW: 5235.25

EXISTING STORM DRAIN LINE: 5235.25

EXISTING STORM DRAIN MANHOLE: 5235.25

PROPOSED STORM DRAIN INLET: 5235.25

PROPOSED STORM DRAIN LINE: 5235.25

PROPOSED STORM DRAIN MANHOLE: 5235.25

PROPOSED WATER BLOCK: 5235.25

PROPOSED BACKYARD POND: 5235.25

EXISTING SAS MANHOLE: 5235.25

PHASING BOUNDARY: 5235.25

SPOT ELEVATIONS CONTAINING AN "R" DENOTES TOP OF MOUNTABLE ROLL TYPE CURB. I, E, XX, XXX

BOHANNAN & HUSTON

Courtney One 7500 JEFFERSON NE ALBUQUERQUE NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING DEVELOPMENT GROUP

LA SALA DEL NORTE

GRADING PLAN UNIT I

DEVELOPMENT REVIEW BOARD

98 / 314

APPROVAL DATE

/ /

CITY PROJECT NO. 603581

ZONE MAP NO. D-16/E-16

SHEET 3 **OF** 17

DESIGNED BY JCK/CMG

DRAWN BY CMG/GSG

CHECKED BY JCA

DATE 12/98

DATE 12/98

DATE 12/98

REMARKS

REVISIONS

DESIGN

AS-BUILT INFORMATION

CONTRACTOR: Bohannon & Huston

DATE: 12/98

BY: JCK/CMG

NO. 1

BENCH MARKS

ACS BRASS TABLE STAMPED "1-B10"

GEOGRAPHIC POSITION (NAD 1927)

N.M. STATE PLANE COORD. (CENTRAL ZONE)

X=357,526.69 Y=1,525,168.35

GROUND TO GRID FACTOR = 1.9396640

DELTA ALPHA = -0.00016 MIN. 30 SEC.

NGVD 1929 ELEVATION = 5419.522

ENGINEER'S SEAL

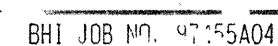
REvised 2-4-99 JCK

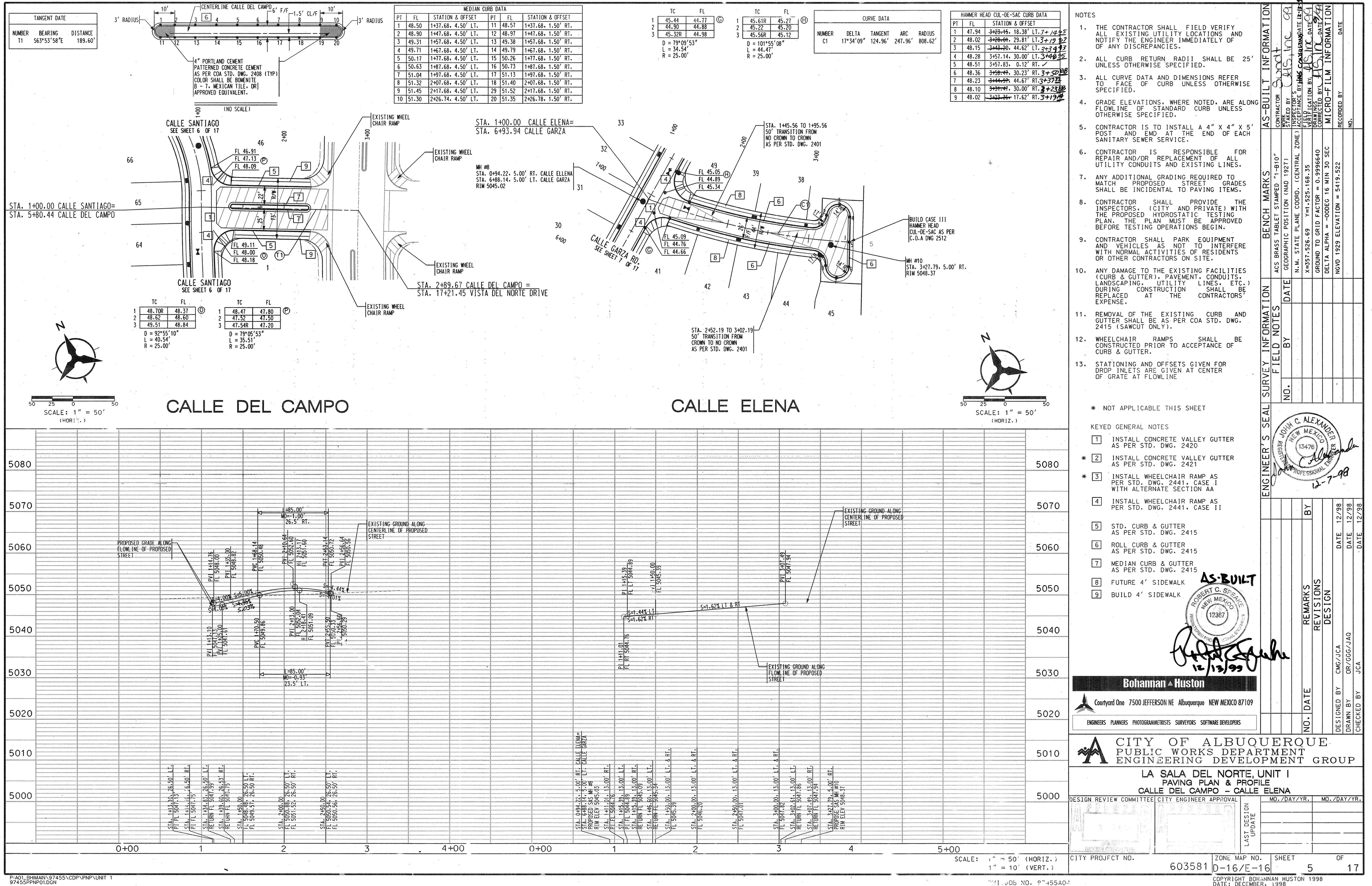
ALEXANDER HUSTON

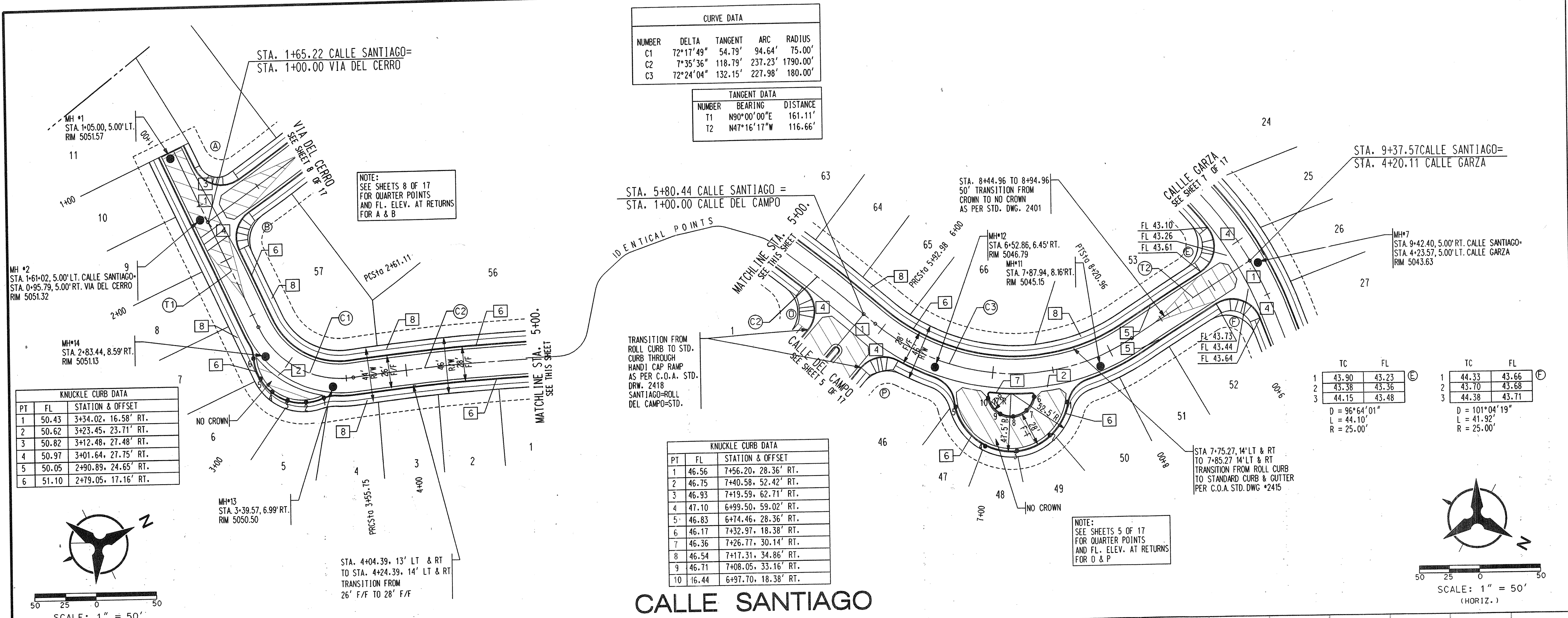
REGISTERED PROFESSIONAL ENGINEER

NEW MEXICO

11-748







- NOTES
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 13. STATIONING AND OFFSETS GIVEN FOR DROP INLETS ARE GIVEN AT CENTER OF GRATE AT FLOWLINE

* NOT APPLICABLE THIS SHEET

KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
2. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2421
3. INSTALL WHEELCHAIR RAMP AS PER STD. DWG. 2441, CASE I WITH ALTERNATE SECTION AA
4. INSTALL WHEELCHAIR RAMP AS PER STD. DWG. 2441, CASE II
5. STD. CURB & GUTTER AS PER STD. DWG. 2415
6. ROLL CURB & GUTTER AS PER STD. DWG. 2415
7. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
8. FUTURE 4' SIDEWALK
9. BUILD 4' SIDEWALK

AS-BUILT

Bohannon & Huston
Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109
ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

LA SALA DEL NORTE, UNIT I
PAVING PLAN & PROFILE
CALLE SANTIAGO

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL CITY ENGINEER

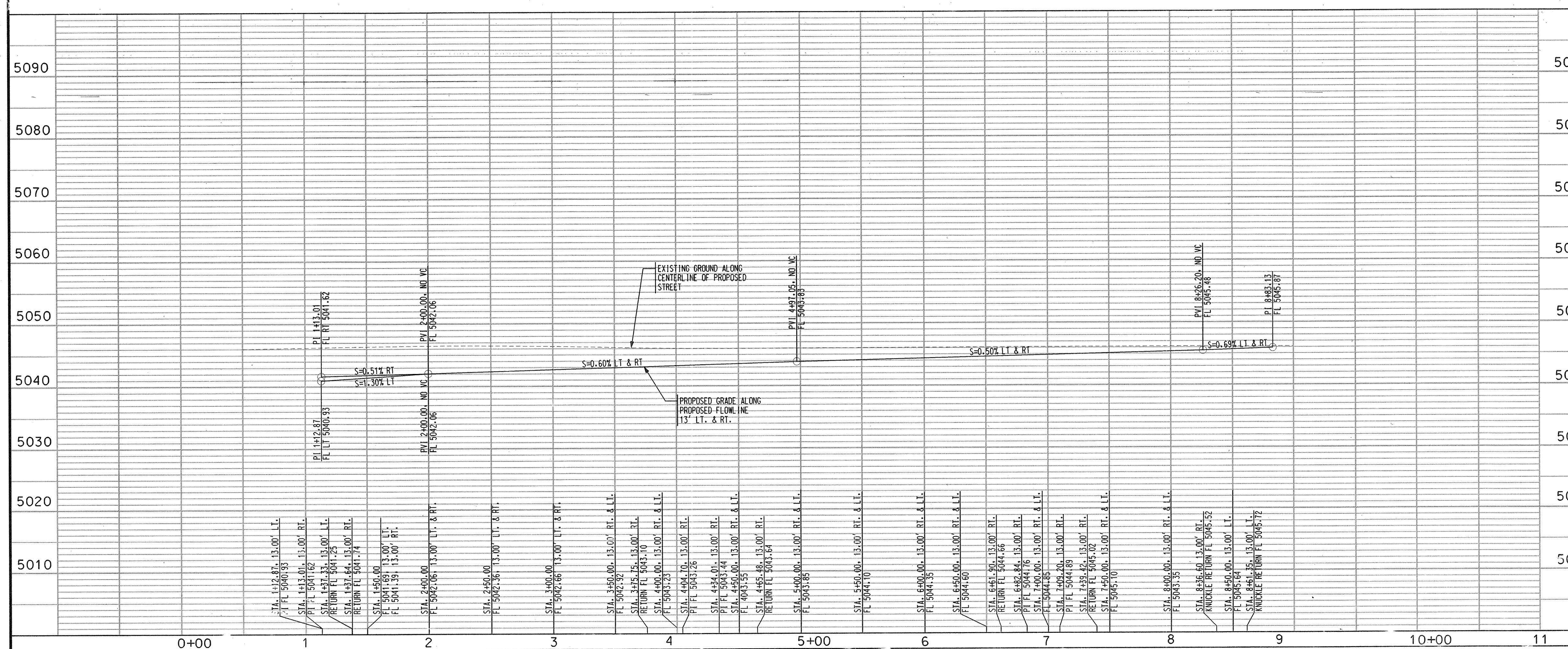
LAST DESIGN UPDATE

CITY PROJECT NO. 603581 ZONE MAP NO. D-16/E-16 SHEET 6 OF 17

DESIGNED BY CMG/JCA DRAWN BY DR/GG/JAO CHECKED BY JCA

NO. DATE REMARKS REVISIONS DESIGN

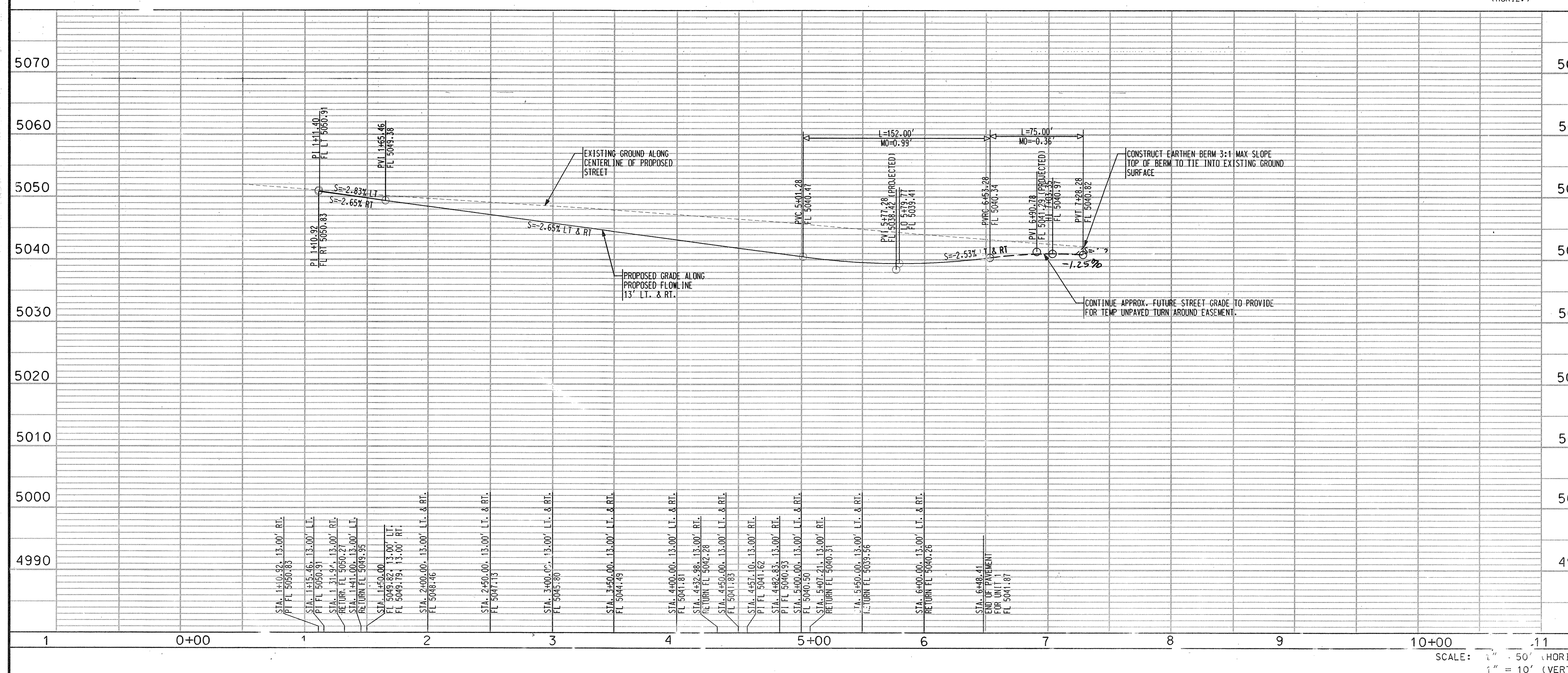
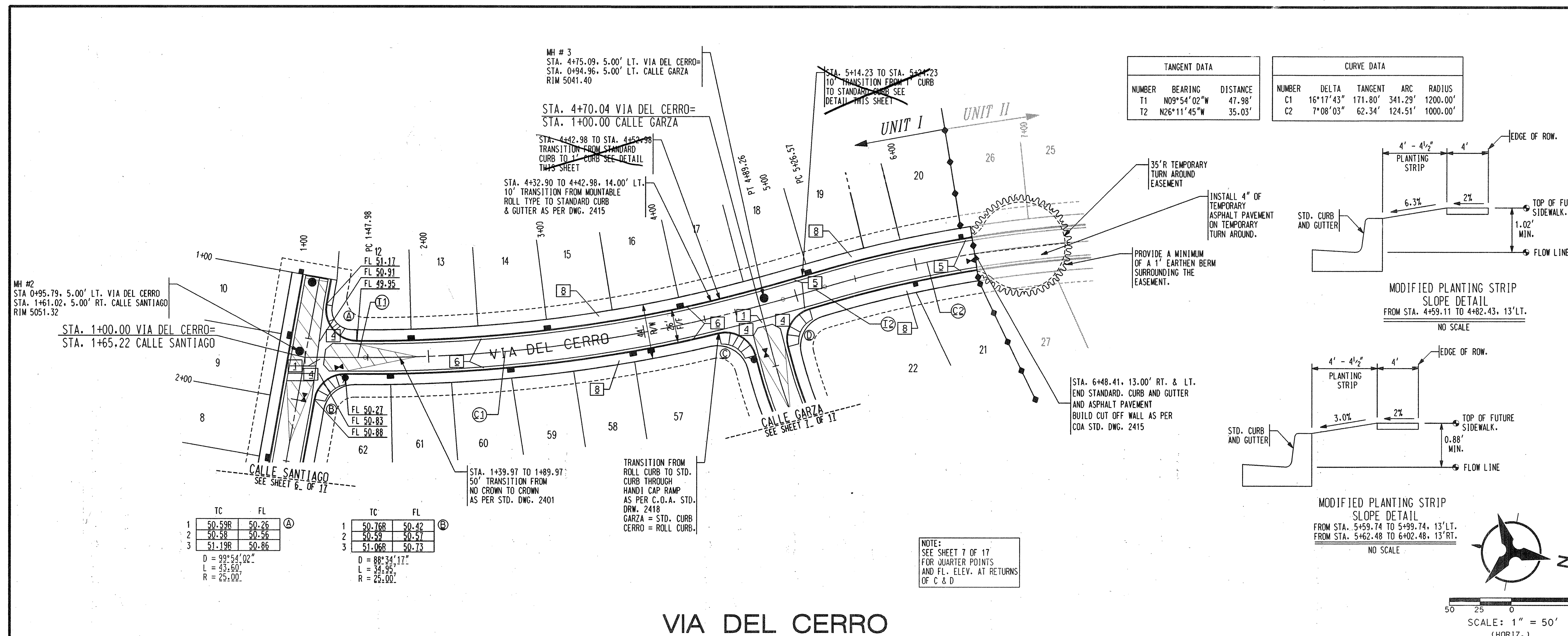
DATE 12/98 DATE 12/98 DATE 12/98



CUL-DE-SAC CURB DATA			
PT	FL	STATION & OFFSET	
1	45.79	8+71.41,	15.07' LT.
2	45.93	8+91.71,	16.03' LT.
3	46.05	9+09.11,	5.54' LT.
4	46.11	9+17.75,	12.84' LT.
5	46.09	9+14.74,	32.94' RT.
6	46.00	9+01.06,	47.96' RT.
7	45.86	8+81.34,	52.86' RT.
8	45.73	8+62.22,	45.97' RT.
9	45.65	8+50.15,	29.63' RT.

[illegible]

	000000	D TOTAL TO		
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NOTES

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*** NOT APPLICABLE THIS SHEET**

KEYED GENERAL NOTES

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- INSTALL WHEELCHAIR RAMP AS PER STD. DWG. 2441, CASE 11
- STD. CURB & GUTTER AS PER STD. DWG. 2415
- ROLL CURB & GUTTER AS PER STD. DWG. 2415
- MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
- FUTURE 4' SIDEWALK
- BUILD 4' SIDEWALK

AS-BUILT

Bohannon & Huston

Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

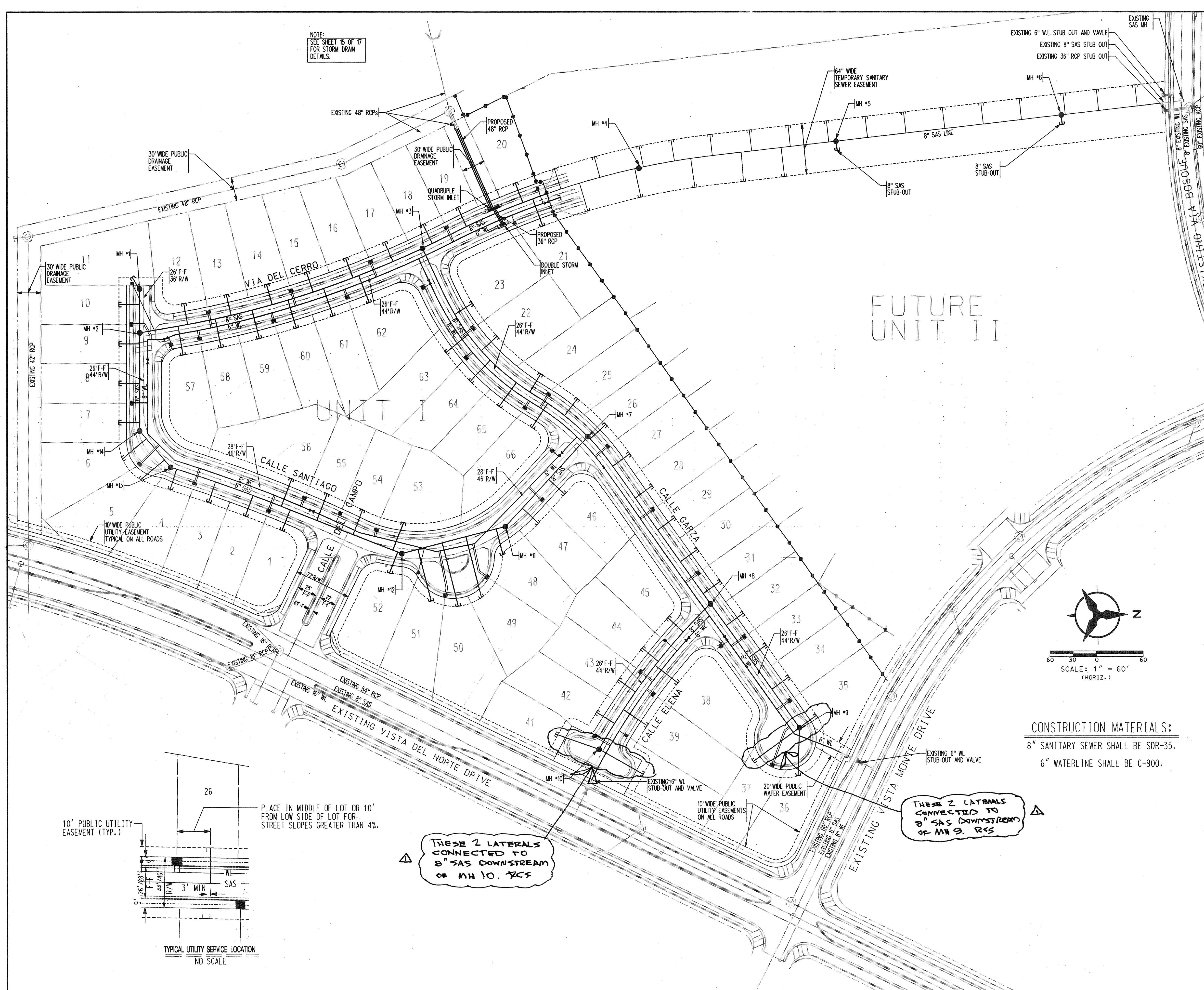
LA SALA DEL NORTE, UNIT 1
PAVING PLAN & PROFILE
VIA DEL CERRO

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

CITY PROJECT NO. 603581 ZONE MAP NO. D-16/E-16 SHEET 8 OF 17

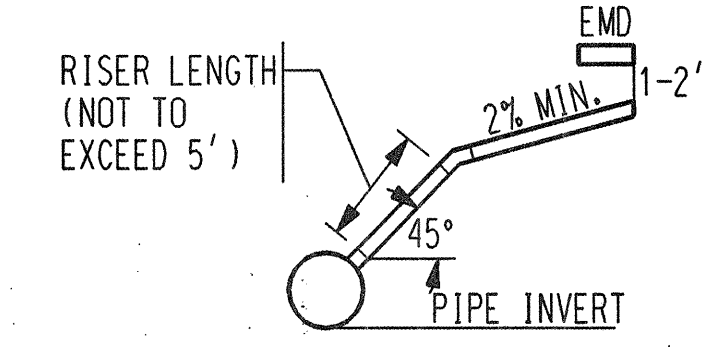
DESIGNED BY CMG/JCA DATE 12/98
DRAWN BY DR/GGG/JAO DATE 12/98
CHECKED BY JCA DATE 12/98



NOTE:
SEE SHEET 15 OF 17
FOR STORM DRAIN
DETAILS.

LEGEND

PROPOSED SANITARY SEWER MANHOLE	●
EXISTING SANITARY SEWER MANHOLE	○
EXISTING STORM SEWER MH	⊙
PROPOSED FIRE HYDRANT	⊙
EXISTING FIRE HYDRANT	⊙
PROPOSED GATE VALVE	⊙
EXISTING GATE VALVE	⊙
PROPOSED SANITARY SEWER LINE	SAS
EXISTING SANITARY SEWER LINE	SAS
PROPOSED WATER LINE	W
EXISTING WATER LINE	W
PROPOSED STORM DRAIN	RCP
EXISTING STORM DRAIN	RCP
PROPOSED SANITARY SEWER SERVICE	—
PROPOSED DOUBLE WATER METER SERVICE	—
PHASING BOUNDARY	—
AIR VACUUM RELEASE VALVE	—



SERVICE RISER DETAIL
(SERVICE CONNECTION - INSTALLATION
TO CONFORM TO COA STD. DWG. 2134
USE C1 SOIL PIPE ONLY)

RESTRAINING JOINT TABLE:

MECHANICAL JOINTS	LENGTH OF RESTRAINED JOINTS		
	(6")	(8")	(10")
11.25° H. BEND	2'	3'	3'
22.50° H. BEND	4'	5'	6'
45° H. BEND	8'	11'	13'
90° H. BEND	20'	26'	31'
GATE VALVE	55'	72'	86'
BTRFLY VALVE	---	---	---
REDUCER (8" X 6")	30'	30'	30'

- NOTE:
- ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
 - THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE POINTS WITHIN 20 LF OF MJ SHALL BE RESTRAINED AT THE CONTRACTOR'S EXPENSE.
 - THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE. (SEE NOTE 2 ABOVE)
 - THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.
 - ALL CAPS SHALL UTILIZE PCC BLOCKING

CONSTRUCTION MATERIALS:
8" SANITARY SEWER SHALL BE SDR-35.
6" WATERLINE SHALL BE C-900.

AS-BUILT INFORMATION

CONTRACTOR: **BOHANNAN & HUSTON**

STAMPED: **12-18-99**

DATE: **12-18-99**

BENCH MARKS

ACS BRASS TABLE STAMPED "1-B10"

DATE: **12-18-99**

BY: **BOHANNAN & HUSTON**

FIELD NOTES

NO. **1**

DATE: **12-18-99**

BY: **BOHANNAN & HUSTON**

ENGINEER'S SEAL

NEW MEXICO

13479

PROFESSIONAL ENGINEER

12-7-98

REVISIONS

NO.	DATE	REVISIONS
1	12/13/99	CONV. OF SAS SVCS.

DESIGNED BY: **JCA/CMG**

DRAWN BY: **CMG/GSS**

CHECKED BY: **JCA**

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING DEVELOPMENT GROUP

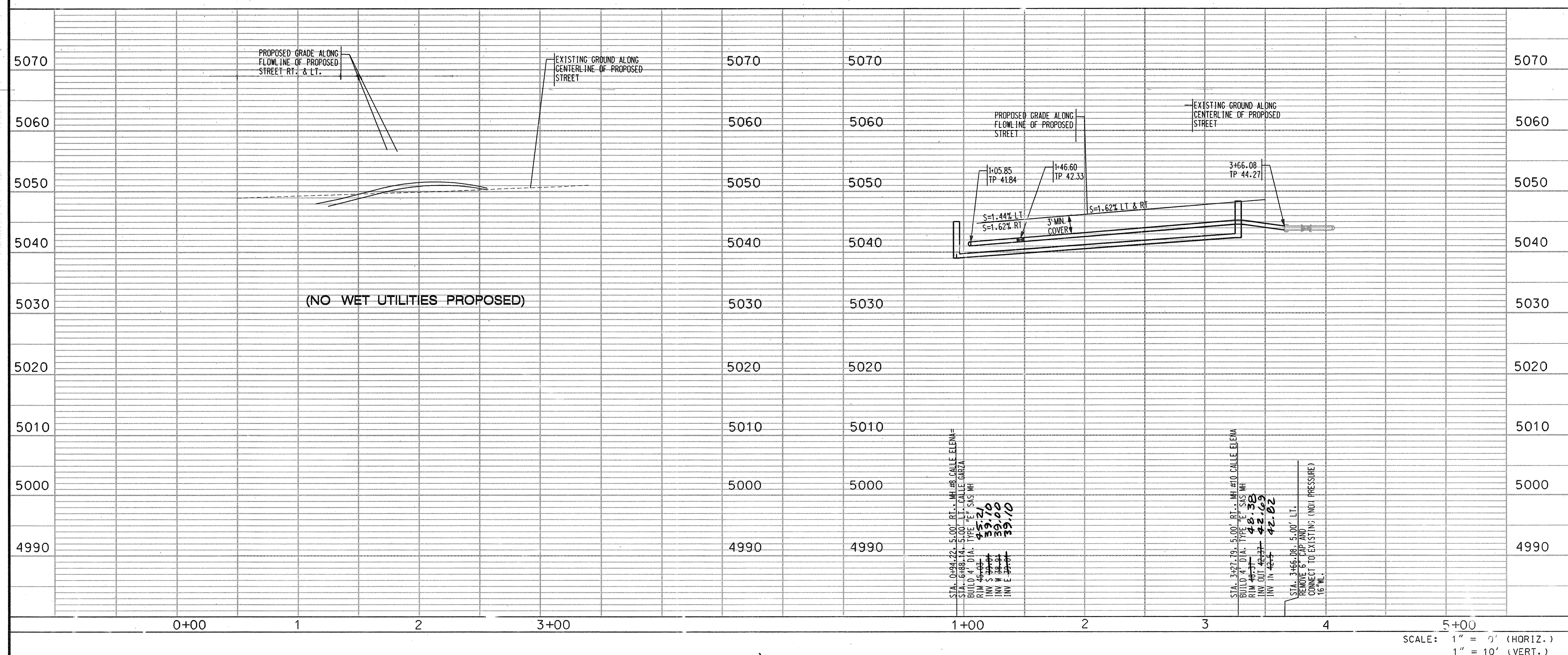
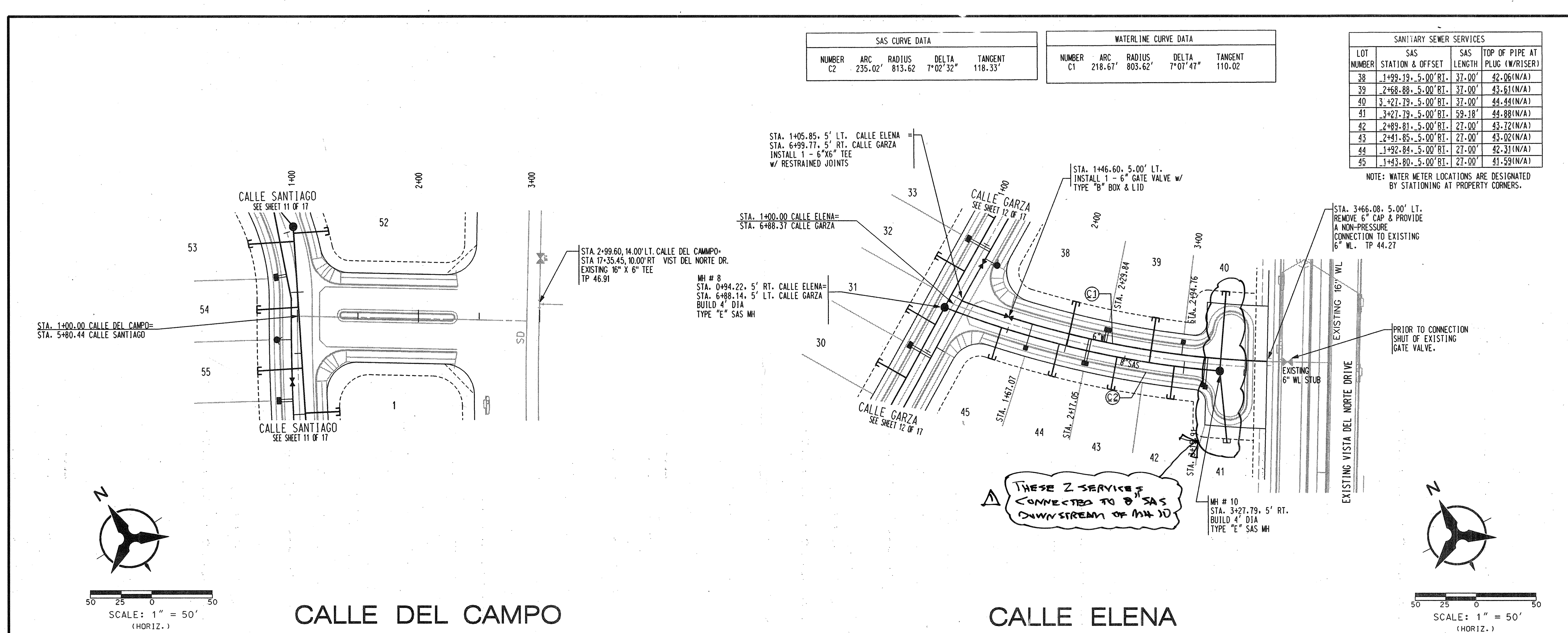
LA SALA DEL NORTE

UNIT I: OVERALL UTILITY PLAN

CITY PROJECT NO. **603581**

ZONE MAP NO. **D-16/E-16**

SHEET **9** OF **17**



SAS CURVE DATA				
NUMBER	ARC	RADIUS	DELTA	TANGENT
C2	235.02'	813.62'	7°02'32"	118.33'

WATERLINE CURVE DATA				
NUMBER	ARC	RADIUS	DELTA	TANGENT
C1	218.67'	803.62'	7°07'47"	110.02'

SANITARY SEWER SERVICES			
LOT NUMBER	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/ RISER)
38	1+99.19, 5.00' RT.	31.00'	42.06 (N/A)
39	2+68.88, 5.00' RT.	31.00'	43.61 (N/A)
40	3+27.79, 5.00' RT.	31.00'	44.44 (N/A)
41	3+27.79, 5.00' RT.	59.18'	44.88 (N/A)
42	2+89.81, 5.00' RT.	27.00'	43.72 (N/A)
43	2+41.85, 5.00' RT.	27.00'	43.02 (N/A)
44	1+92.84, 5.00' RT.	27.00'	42.31 (N/A)
45	1+43.80, 5.00' RT.	27.00'	41.59 (N/A)

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

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ENGINEER'S SEAL		SURVEY INFORMATION		FIELD NOTES		BENCH MARKS		AS-BUILT INFORMATION	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE

Bohannon & Huston

Courtyard One 7500 JEFFERSON NE Albuquerque NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

AS-BUILT

12/13/99

DESIGNED BY CMG/JCA
DRAWN BY OR/GGG/JAO
CHECKED BY JCA

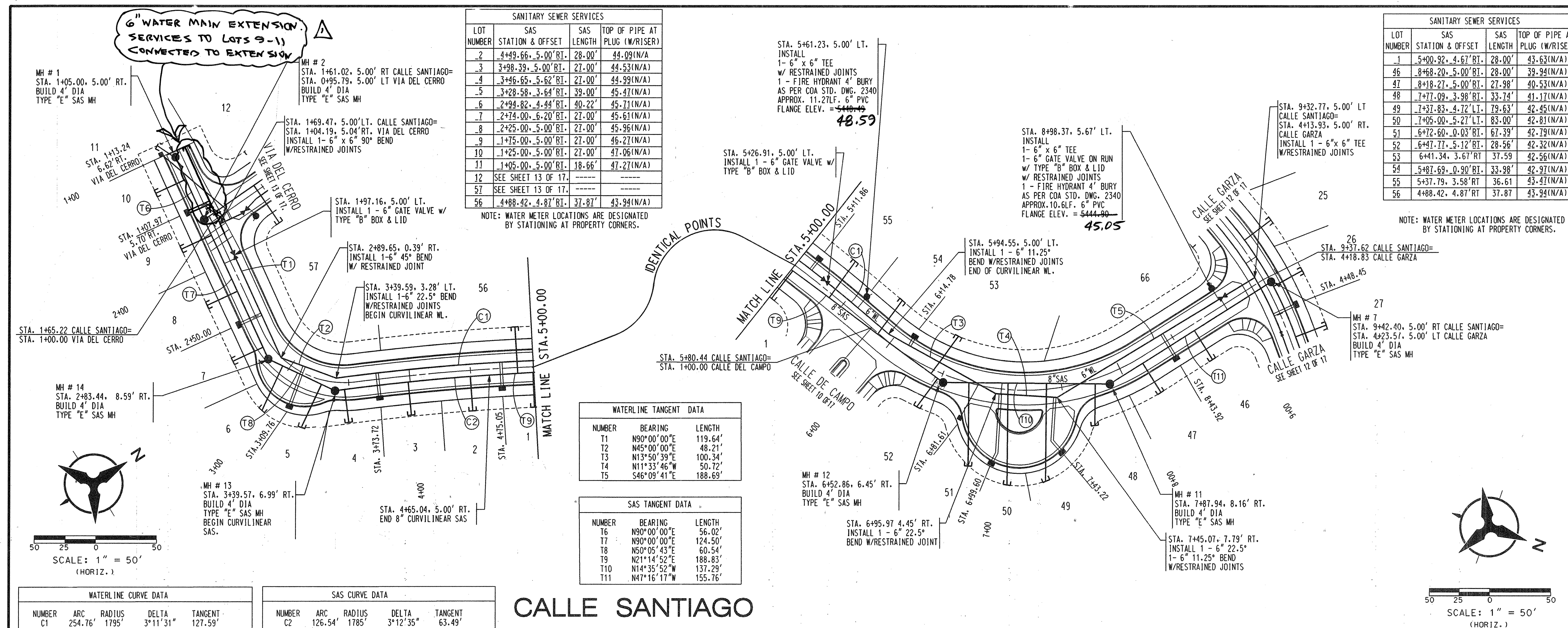
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

LA SALA DEL NORTE, UNIT I
UTILITY PLAN & PROFILE
CALLE DEL CAMPO & CALLE ELENA

DESIGN-REVIEW COMMITTEE CITY ENGINEER APPROVAL MO./DAY/YR. MO./DAY/YR.

LAST DESIGN UPDATE

CITY PROJECT NO. 603581 ZONE MAP NO. D-16/E-16 SHEET 10 OF 17



- NOTES
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ENGINEER'S SEAL

JOHN C. ALEXANDER
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
13478

AS-BUILT

BOHANNAN & HUSTON

Courtyard One 7500 JEFFERSON NE ALBUQUERQUE NEW MEXICO 87109

ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

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LA SALA DEL NORTE, UNIT I
UTILITY PLAN & PROFILE
CALLE SANTIAGO

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

MO./DAY/YR.

MO./DAY/YR.

CITY PROJECT NO. 603581

ZONE MAP NO. D-16/E-16

SHEET 11 OF 17

WATERLINE CURVE DATA				
NUMBER	ARC	RADIUS	DELTA	TANGENT
C1	195.12'	325.00'	17°37'46"	100.60'
C2	68.43'	295.00'	19°25'21"	34.37'
C3	53.03'	295.00'	19°25'21"	26.59'

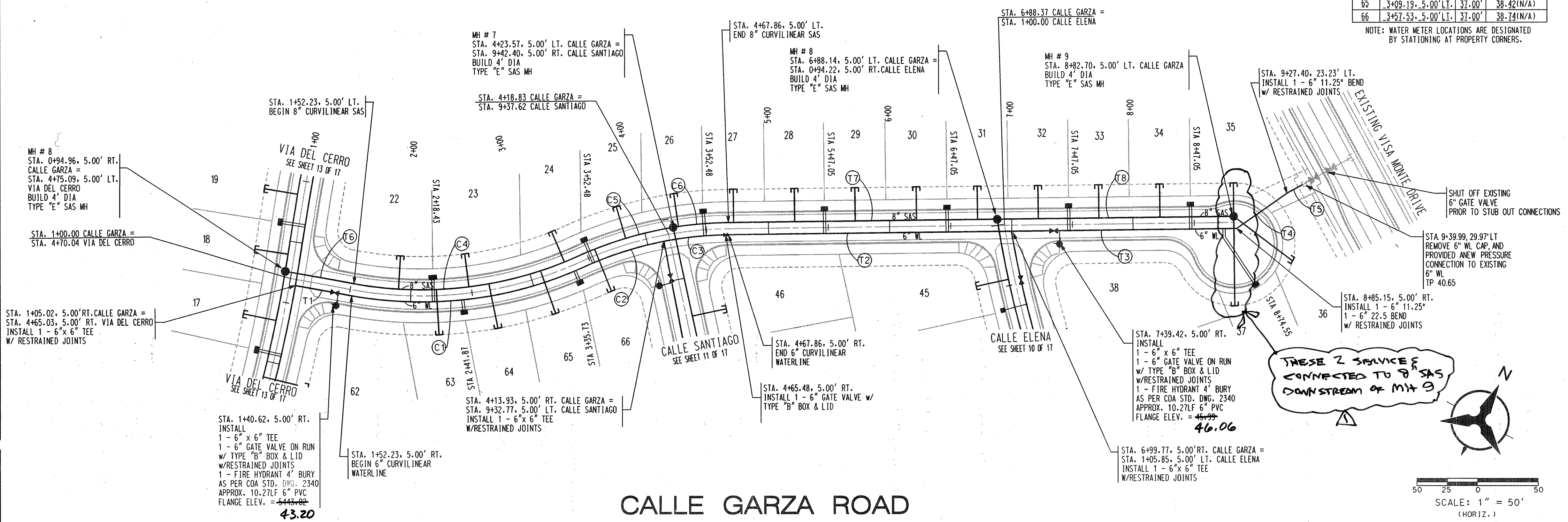
SAS CURVE DATA				
NUMBER	ARC	RADIUS	DELTA	TANGENT
C4	189.11'	315.00'	18°11'21"	97.50'
C5	80.54'	305.00'	18°47'08"	40.51'
C6	44.78'	305.00'	18°47'08"	22.43'

WATERLINE TANGENT DATA		
NUMBER	BEARING	LENGTH
T1	N65°03'45"E	47.21'
T2	N54°15'18"E	231.91'
T3	N54°15'18"E	185.37'
T4	N20°30'18"E	50.81'
T5	S26°06'02"W	14.28'

SAS TANGENT DATA		
NUMBER	BEARING	LENGTH
T6	N65°03'46"E	57.27'
T7	N54°15'18"E	220.28'
T8	S54°15'17"W	194.58'

SANITARY SEWER SERVICES			
LOT NUMBER	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISE)
62	SEE SHEET 13 OF 17		
63	2+21.12 - 5.00' LT.	37.00'	37.84(N/A)
64	2+64.93 - 5.00' LT.	37.00'	38.13(N/A)
65	3+09.19 - 5.00' LT.	37.00'	38.42(N/A)
66	3+57.53 - 5.00' LT.	37.00'	38.74(N/A)

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.



CALLE GARZA ROAD

- NOTES
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 - ALL CURB RETURN RADII SHALL BE 25' UNLESS OTHERWISE SPECIFIED.
 - ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 - GRADE ELEVATIONS, WHERE NOTED, ARE ALONG FLOWLINE OF STANDARD CURB UNLESS OTHERWISE SPECIFIED.
 - CONTRACTOR IS TO INSTALL A 4" X 4" X 5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
 - CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 - ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 - CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
 - CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 - ANY DAMAGE TO THE EXISTING FACILITIES (CURB & GUTTER), PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS' EXPENSE.
 - REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
 - WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
 - STATIONING AND OFFSETS GIVEN FOR DROP INLETS ARE GIVEN AT CENTER OF GRATE AT FLOWLINE

SANITARY SEWER SERVICES			
LOT NUMBER	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISE)
22	1+99.75 - 5.00' LT.	27.00'	37.43(N/A)
23	2+48.13 - 5.00' LT.	27.00'	37.82(N/A)
24	3+30.42 - 5.00' LT.	27.00'	38.36(N/A)
25	3+83.93 - 5.00' LT.	27.00'	38.71(N/A)
26	4+21.80 - 5.00' LT.	27.00'	39.07(N/A)
27	4+72.05 - 5.00' LT.	27.00'	39.36(N/A)
28	5+22.05 - 5.00' LT.	27.00'	39.69(N/A)
29	5+72.05 - 5.00' LT.	27.00'	40.02(N/A)
30	6+22.05 - 5.00' LT.	27.00'	40.35(N/A)
31	6+72.05 - 5.00' LT.	27.00'	40.69(N/A)
32	7+22.05 - 5.00' LT.	27.00'	41.07(N/A)
33	7+72.05 - 5.00' LT.	27.00'	42.79(N/A)
34	8+22.05 - 5.00' LT.	27.00'	42.49(N/A)
35	8+82.70 - 5.00' LT.	27.00'	42.14(N/A)
36	8+82.70 - 5.00' LT.	60.85'	42.60(N/A)
37	8+82.70 - 5.00' LT.	72.90'	43.06(N/A)
38	SEE SHEET 10 OF 17		
95	SEE SHEET 10 OF 17		
96	SEE SHEET 11 OF 17		

NOTE: WATER METER LOCATIONS ARE DESIGNATED BY STATIONING AT PROPERTY CORNERS.

Bohannon & Huston
 12/13/99
 7500 JEFFERSON NE ALBUQUERQUE NEW MEXICO 87109
 ENGINEERS PLANNERS PHOTOGRAMMETRISTS SURVEYORS SOFTWARE DEVELOPERS

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DEVELOPMENT GROUP

LA SALA DEL NORTE, UNIT I
 UTILITY PLAN & PROFILE
 CALLE GARZA

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL
 LAST DESIGN UPDATE
 CITY PROJECT NO. 603581 ZONE MAP NO. D-16/E-16 SHEET 12 OF 17

AS-BUILT INFORMATION
 CONTRACTOR: Bohannon & Huston
 DATE: 12/13/99
 BY: [Signature]
 NO. []

BENCH MARKS
 ACS BRASS TABLET STAMPED "1-B10"
 GEOGRAPHIC POSITION (NAD 1927)
 N.M. STATE PLANE COORD. (CENTRAL ZONE)
 X=357,526.69 Y=1,525,168.35
 GROUND TO GRID FACTOR = 0.9996640
 DELTA ALPHA = -0006 16 MIN 30 SEC
 NOV 1929 ELEVATION = 5419.522

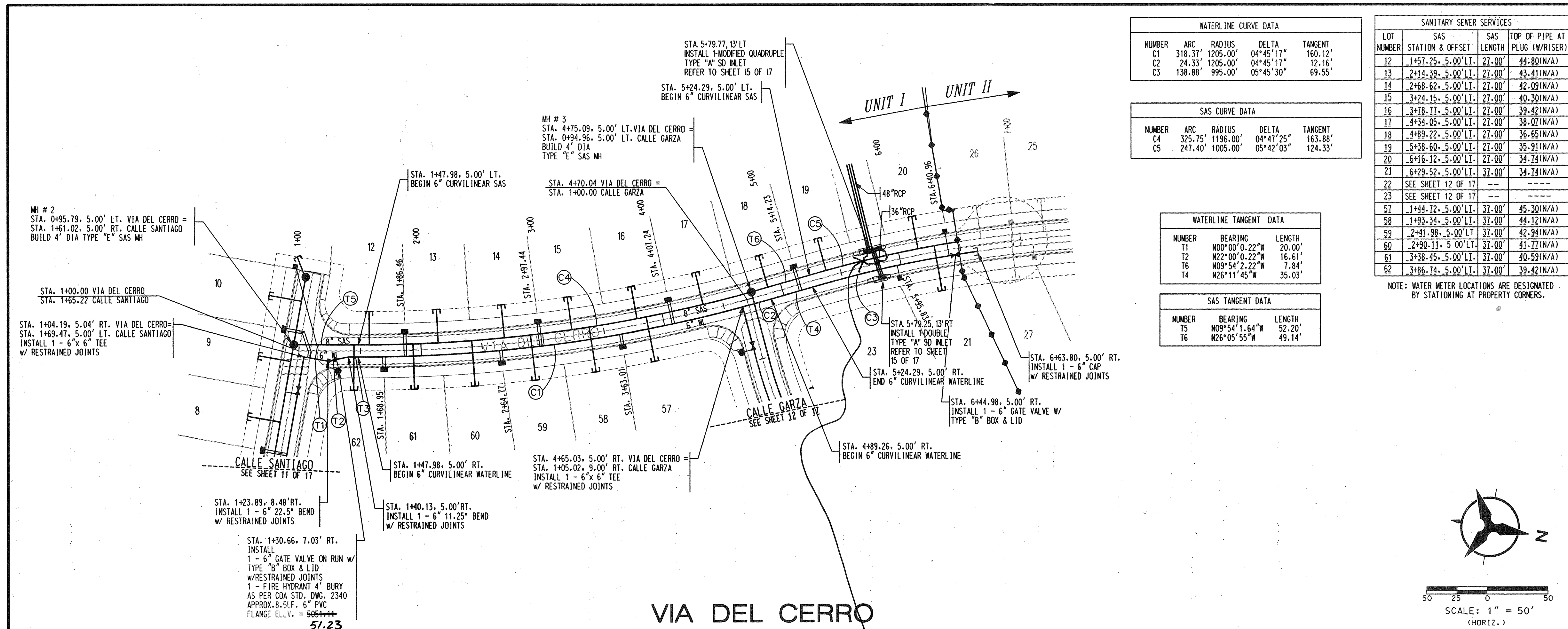
FIELD NOTES
 NO. [] DATE [] BY []

ENGINEER'S SEAL
 JOHN C. ALEXANDER
 12-9-98

REMARKS
 REVISIONS
 DESIGN

DESIGNED BY CMG/JCA
 DRAWN BY DR/CGG/JAO
 CHECKED BY JCA

DATE 12/98
 DATE 12/98
 DATE 12/98



WATERLINE CURVE DATA				
NUMBER	ARC	RADIUS	DELTA	TANGENT
C1	318.31'	1205.00'	04°45'17"	160.12'
C2	24.33'	1205.00'	04°45'17"	12.16'
C3	138.88'	995.00'	05°45'30"	69.35'

SAS CURVE DATA				
NUMBER	ARC	RADIUS	DELTA	TANGENT
C4	325.75'	1196.00'	04°47'25"	163.88'
C5	247.40'	1005.00'	05°42'03"	124.33'

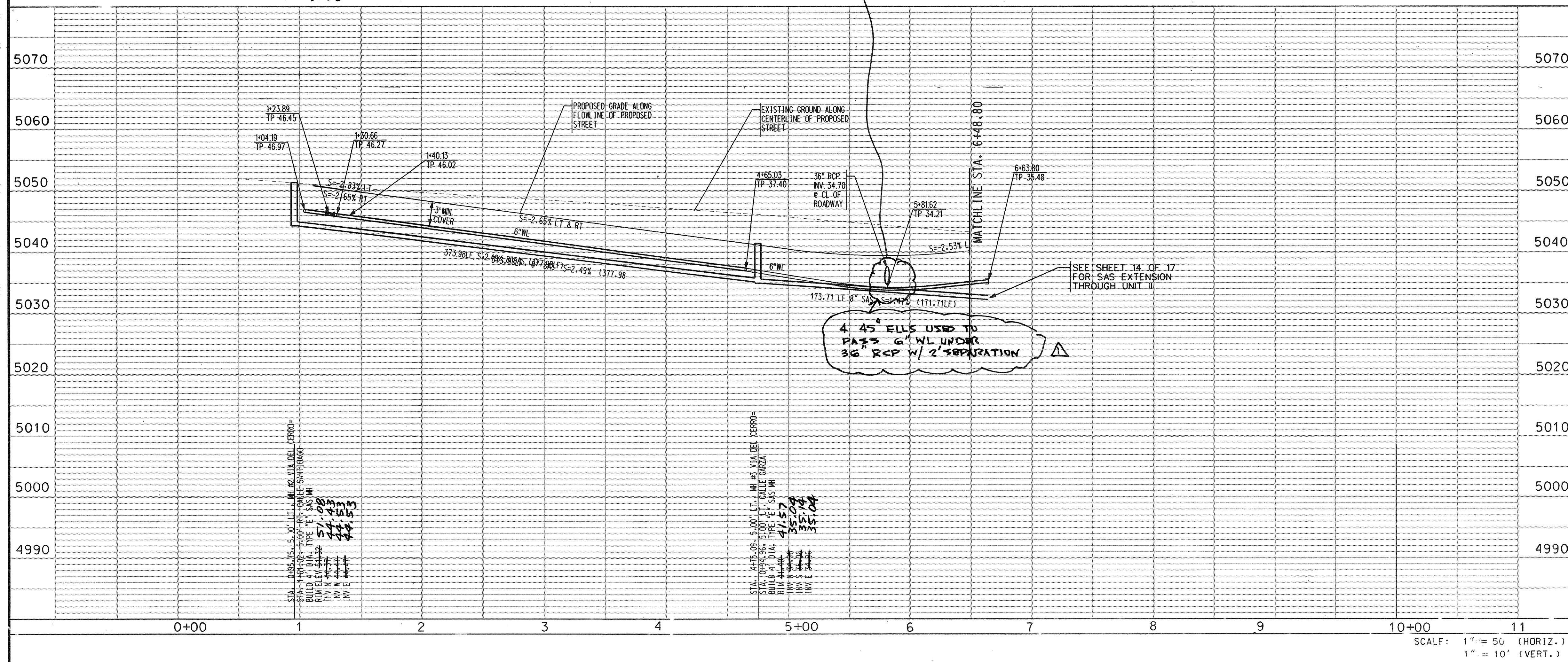
WATERLINE TANGENT DATA				
NUMBER	BEARING	LENGTH		
T1	N00°00'0.22"W	20.00'		
T2	N22°00'0.22"W	16.61'		
T6	N08°54'2.22"W	7.84'		
T4	N26°11'45"W	35.03'		

SAS TANGENT DATA				
NUMBER	BEARING	LENGTH		
T5	N09°54'1.64"W	52.20'		
T6	N26°05'55"W	49.14'		

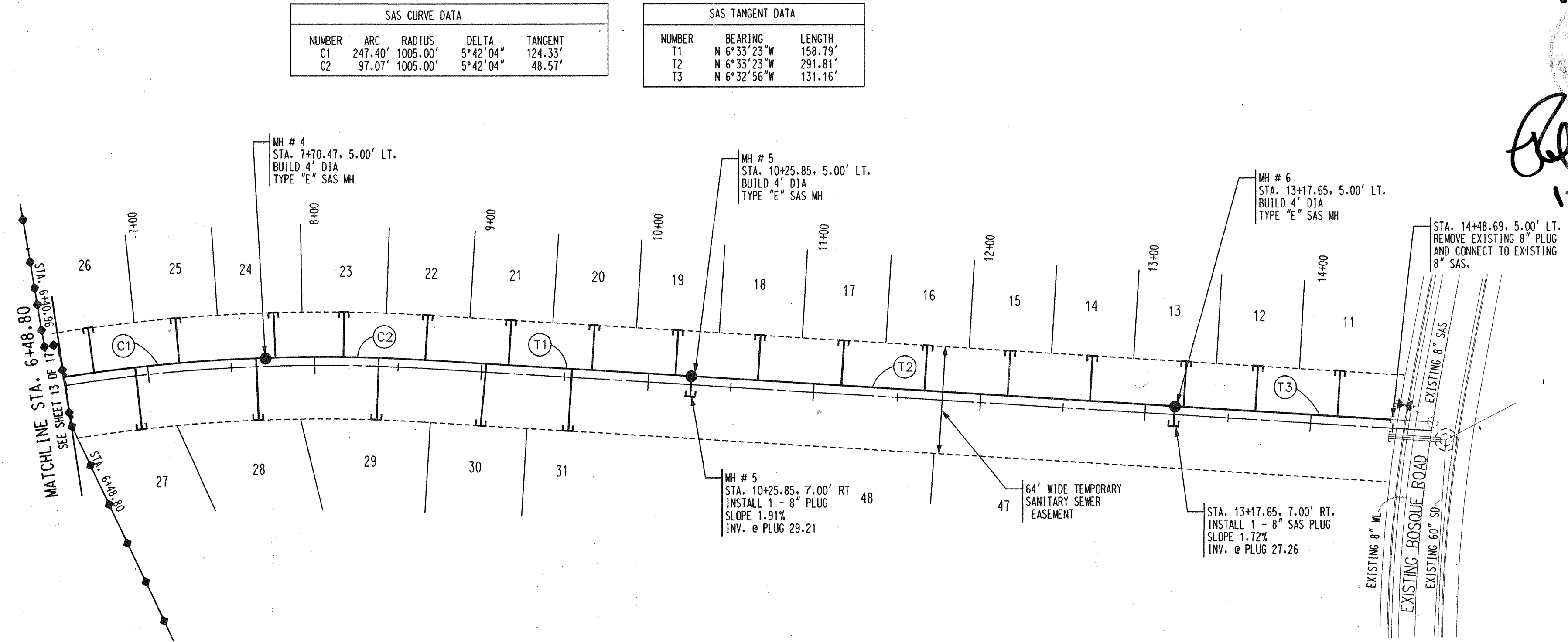
SANITARY SEWER SERVICES				
LOT NUMBER	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG (W/RISER)	
12	1+57.25 - 5.00' LT.	27.00'	44.80(N/A)	
13	2+14.39 - 5.00' LT.	27.00'	43.41(N/A)	
14	2+68.62 - 5.00' LT.	27.00'	42.09(N/A)	
15	3+24.15 - 5.00' LT.	27.00'	40.30(N/A)	
16	3+18.77 - 5.00' LT.	27.00'	39.42(N/A)	
17	4+34.05 - 5.00' LT.	27.00'	38.07(N/A)	
18	4+89.22 - 5.00' LT.	27.00'	36.65(N/A)	
19	5+38.60 - 5.00' LT.	27.00'	35.91(N/A)	
20	6+16.12 - 5.00' LT.	27.00'	34.74(N/A)	
21	6+29.52 - 5.00' LT.	37.00'	34.74(N/A)	
22	SEE SHEET 12 OF 17	---	---	
23	SEE SHEET 12 OF 17	---	---	
57	1+44.72 - 5.00' LT.	37.00'	45.30(N/A)	
58	1+93.34 - 5.00' LT.	37.00'	44.12(N/A)	
59	2+41.98 - 5.00' LT.	37.00'	42.94(N/A)	
60	2+90.11 - 5.00' LT.	37.00'	41.77(N/A)	
61	3+38.45 - 5.00' LT.	37.00'	40.59(N/A)	
62	3+86.74 - 5.00' LT.	37.00'	39.42(N/A)	

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 - STATIONING AND OFFSETS GIVEN FOR DROP INLETS ARE GIVEN AT CENTER OF GRATE AT FLOWLINE



ENGINEER'S SEAL		SURVEY INFORMATION		FIELD NOTES		BENCH MARKS		AS-BUILT INFORMATION	
JOHN C. ALEXANDER REGISTERED PROFESSIONAL ENGINEER 13476 12-7-98		NO.	DATE	BY	DATE	CONTRACTOR	STATION	CONTRACTOR	STATION
REVISIONS		NO.	DATE	BY	DATE				
DESIGNED BY		CMG/JCA	DATE	12/98	DATE	12/98	DATE	12/98	DATE
DRAWN BY		OR/GGG/JAO	DATE	12/98	DATE	12/98	DATE	12/98	DATE
CHECKED BY		JCA	DATE	12/98	DATE	12/98	DATE	12/98	DATE
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP									
LA SALA DEL NORTE, UNIT I UTILITY PLAN & PROFILE VIA DEL CERRO									
DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL									
CITY PROJECT NO. XXXXX603581									
ZONE MAP NO. D-16/E-16									
SHEET 13 OF 17									



1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED. 

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD. LATEST EDITION.

19. ^(c) 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:

1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.

3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

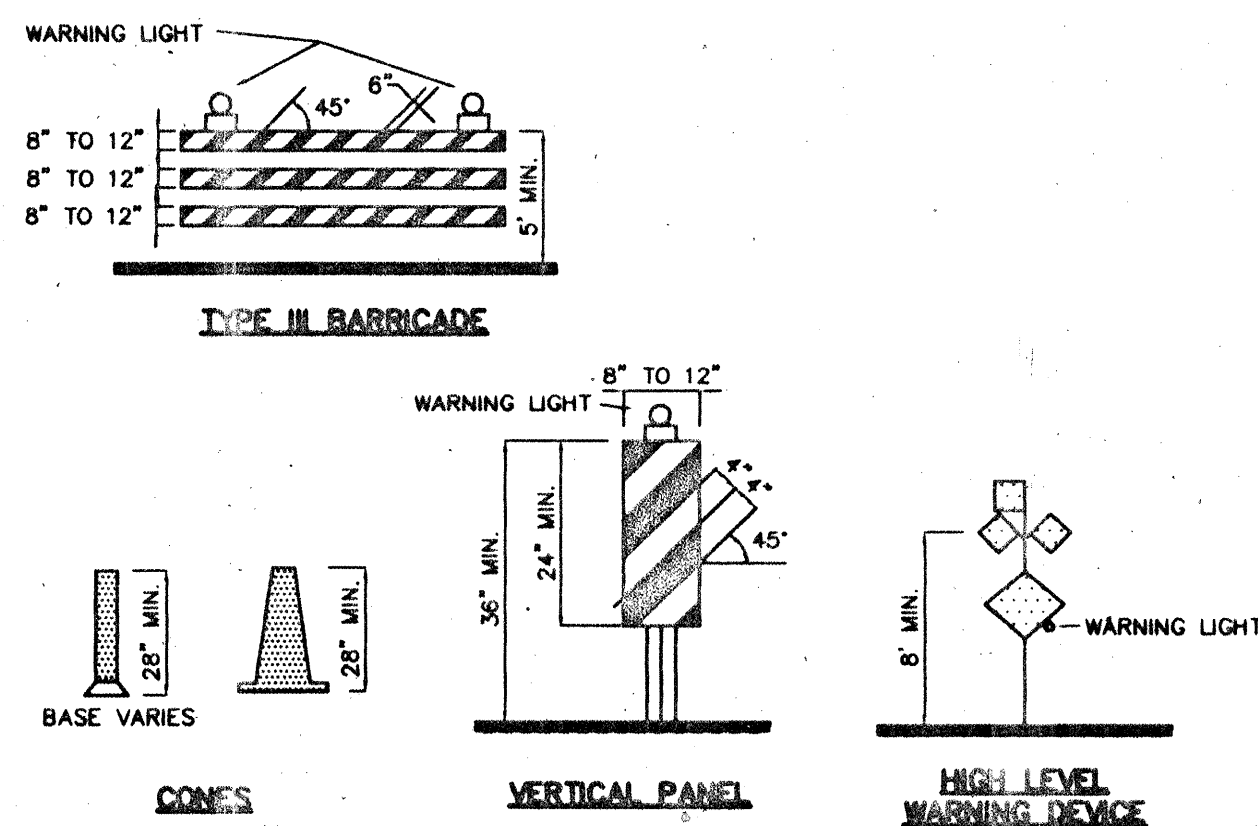
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D. 

27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. ¹



	WORK AREA
●	BARRICADE - TYPE I, TYPE II, OR BARREL
⊥	BARRICADE - TYPE III
X	VERTICAL PANEL
⊥	WARNING SIGN
D	DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
	FLAGMAN POSITION
S	SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
L	TAPER LENGTH - SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

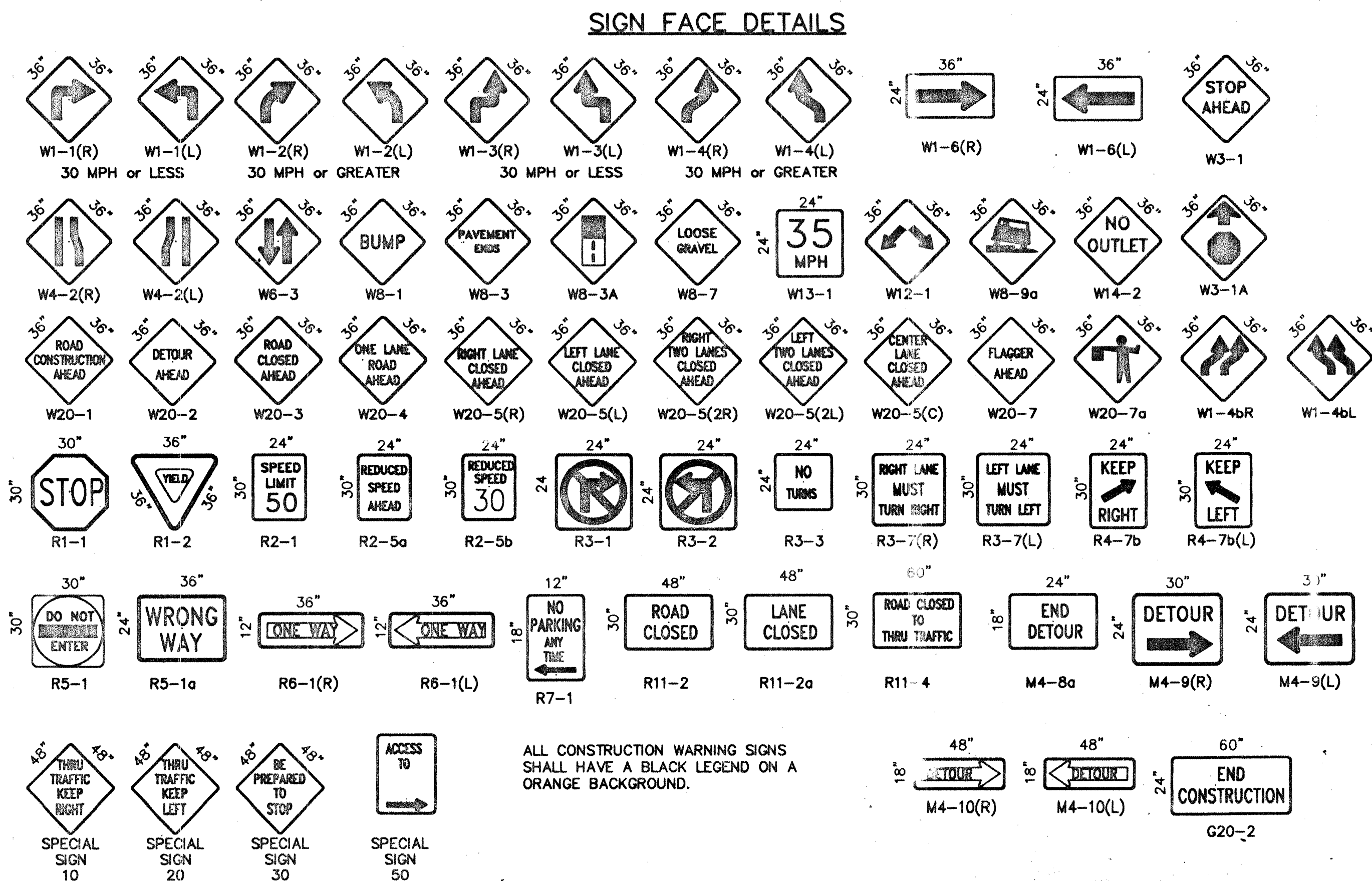
SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	400	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

SPEED MILES PER HOUR	MINIMUM DISTANCE IN FEET	
	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

<u>TYPE OF TAPER</u>	<u>TAPER LENGTH</u>
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

SPE	D	LIMIT	
40	MPH	OR LESS	$L = \frac{WS^2}{60}$
45	MPH	OR GREATER	$L = W \times S$

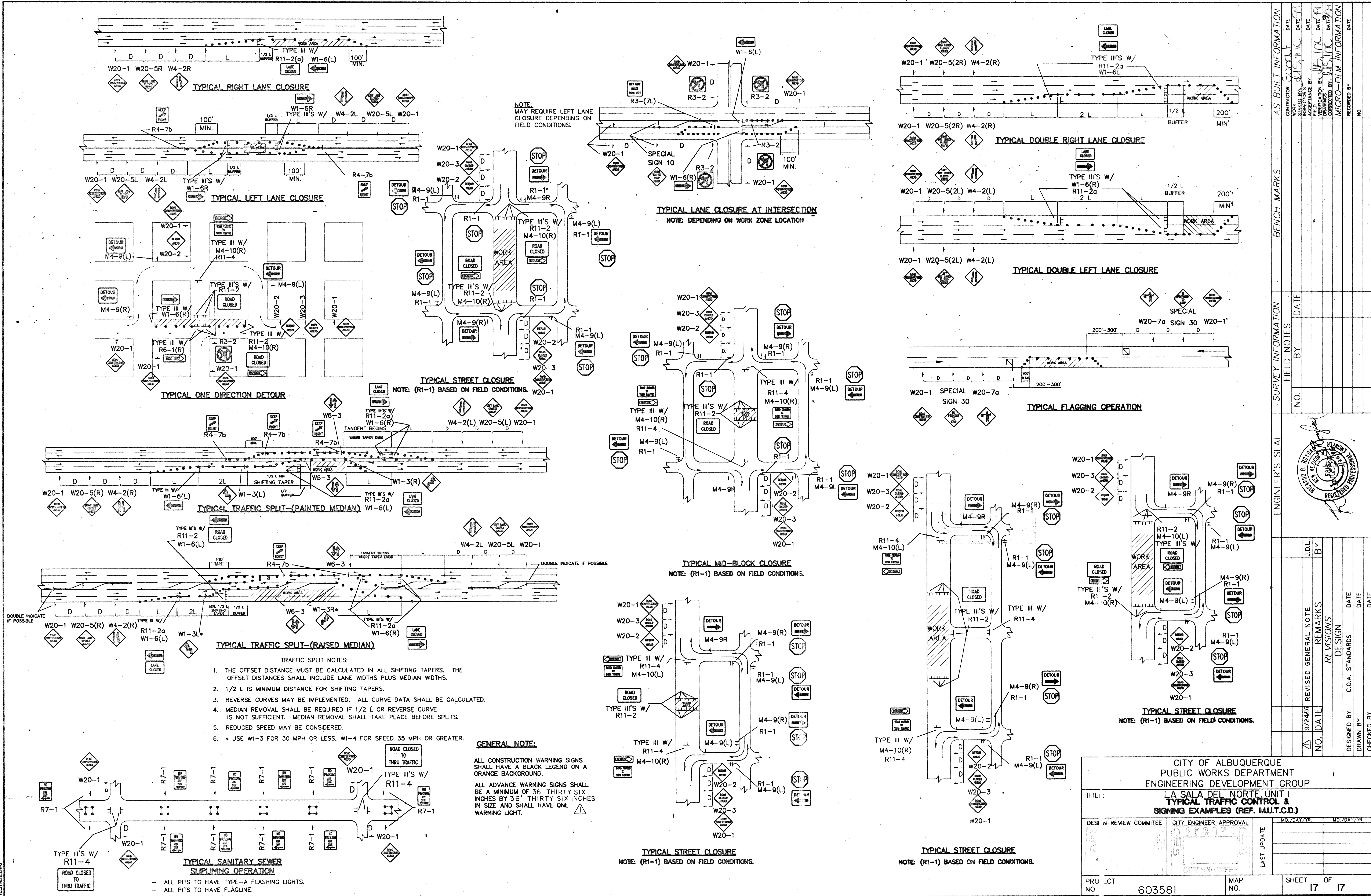
L = TAPER LENGTH
 W = WIDTH OF OFFSET IN FEET
 S = POSTED SPEED OR OFF-PEAK
 85-PERCENTILE SPEED IN MPH



ALL CONSTRUCTION WARNING SIGNS
SHALL HAVE A BLACK LEGEND ON A
ORANGE BACKGROUND.

DESIGNED BY	DATE	ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION			
DRAWN BY	DATE			FIELD NOTES				CONTRACTOR'S SIGNATURE			
CHECKED BY	DATE			NO.		BY		DATE		DATE	
										DATE	
ADD NOTE NO. 27		J.D.L.									
REVISED NOTE NO. 26		J.D.L.									
REVISED NOTE NO. 19		J.D.L.									
REVISED NOTE NO. 11		J.D.L.									
REMARKS		BY									
NO. DATE											
REVISIONS											
DESIGN											
CHECKED BY		DATE									
DRAWN BY		C.O.A. STANDARDS									
CHECKED BY		DATE									

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: LA SALA DEL NORTE, UNIT I SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS			
DESIGN REVIEW COMMITTEE 	CITY ENGINEER APPROVAL  CITY ENGINEER	LAST UPDATE	MO / DAY / YR
			MO / DAY / YR
			MO / DAY / YR
			MO / DAY / YR
			MO / DAY / YR
PROJECT NO: 603581	MAP NO.	SHEET 16 OF 17	



AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
South	11/11/11						
WORKED BY	DATE	NO. <td>DATE</td> <td>NO.<td>DATE</td><td>NO.<td>DATE</td></td></td>	DATE	NO. <td>DATE</td> <td>NO.<td>DATE</td></td>	DATE	NO. <td>DATE</td>	DATE
INSPECTED BY	DATE						
ACCEPTANCE BY	DATE						
VERIFICATION BY	DATE						
DRAWINGS BY	DATE						
DESIGNED BY	DATE						
C.O.A. STANDARDS	DATE						
DRAWN BY	DATE						
CHECKED BY	DATE						
RECORDED BY	DATE						
NO.							

REVISIONS		REMARKS	
NO.	DATE	NO.	DATE
1	9/24/97	1	

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: LA SALA DEL NORTE UNIT I TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR	MO./DAY/YR
PROJ. NO.	MAP NO.	SHEET	OF
603581		17	17