CITY OF
Albuquerque

LA CUEVA OESTE
UNIT 3c

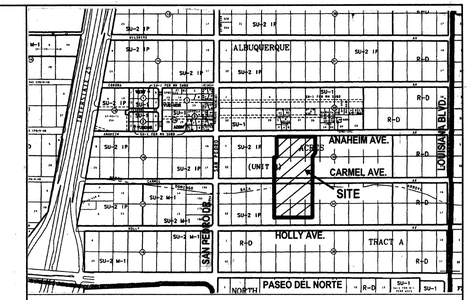
Albuquerque, New Mexico
July 1998

Prepared for:
Development Services, Ltd.
P.O. Box 30107
Albuquerque, NM 87190-0107

Prepared by:
Terry O. Brown, P.E.
P.O. Box 92051
Albuquerque, NM 87199

SCANNED BY
MESA REPRO

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
DATE



VICINITY MAP C-18-Z

GENERAL NOTES:

1. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".

2. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL SYSTEM @ 260-1990 FOR LOCATION OF EXISTING UTILITIES.

3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE & VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM DELAY.

4. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RESET BY THE CONTRACTOR.

5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER 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.

6. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.

7. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOURS CONSTRUCTION.

INDEX TO DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET & GENERAL NOTES
2	PLAT
3	PLAT
4	SITE PLAN
5	GRADING PLAN
6	TYPICAL LOT DRAINAGE DETAILS
7	PAVING MASTER PLAN
8	PAVING PLAN AND PROFILE SONRISA PL. N.E. (Sta. 11+28.27 to Sta. 17+55.18)
9	PAVING PLAN AND PROFILE SANTA CLARITA ST. N.E. (Sta. 9+35.56 to Sta. 17+44.38)
10	PAVING PLAN AND PROFILE VILLE CT. N.E. (Sta. 8+44.00 to Sta. 14+71.32)
11	PAVING PLAN AND PROFILE CARMEL AVE. (Sta. 17+56.46 to Sta. 18+80.55) LADRILLO PL. (Sta. 10+00.00 to Sta. 17+32.69)
12	PAVING PLAN AND PROFILE ANAHEIM AVE. (Sta. 13+30.36 to Sta. 19+50.00)
13	PAVING PLAN AND PROFILE ANAHEIM AVE. (Sta. 19+50.00 to Sta. 28+16.34)
14	ANAHEIM AVE. PAVING CROSS-SECTION VIEWS
15	UTILITY MASTER PLAN & UTILITY TABLES
15	UTILITY PLAN AND PROFILE SONRISA PL. N.E. (Sta. 11+28.27 to Sta. 17+55.18)
17	UTILITY PLAN AND PROFILE SANTA CLARITA ST. N.E. (Sta. 9+35.56 to Sta. 17+44.38)
18	UTILITY PLAN AND PROFILE VILLE CT. N.E. (Sta. 8+44.00 to Sta. 14+71.32) CARMEL AVE. (Sta. 17+56.46 to Sta. 18+80.55)
19	STREET DETAILS

STANDARD CITY OF ALBUQUERQUE SHEETS:

19a	TYPICAL TRAFFIC CONTROL AND SIGNING EXAMPLES (REF. M.U.T.C.D.)
19b	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

I, Terry O. Brown, a registered Professional Engineer in the State of New Mexico, do hereby certify that these record drawings were prepared under my supervision based on data received from the City of Albuquerque Construction Inspector.

Terry O. Brown 8/11/98

TERRY O. BROWN STATE OF NEW MEXICO 9407 REGISTERED PROFESSIONAL ENGINEER

FOR INFORMATION ONLY

AS-BUILT

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

FOR CONSTRUCTION

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEER'S STAMP & SIGNATURE

TERRY O. BROWN STATE OF NEW MEXICO 9407 REGISTERED PROFESSIONAL ENGINEER
Terry O. Brown
8/31/98

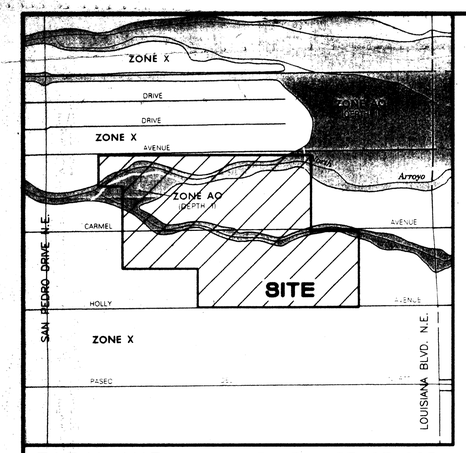
APPROVALS	ENGINEER	DATE
DRC Chairman	Billy J. Goolsby	10-5-98
Transportation	[illegible]	9-25-98
Water/Wastewater	R.W. Kane	9-2-98
Hydrology	[illegible]	9-23-98
C.I.P.		
Constr. Mngmt.		
Constr. Coord.	[illegible]	8-17-98

★★★★★★★★★★★★★★
APPROVED FOR CONSTRUCTION
City Engineer Date

City Project No. 5232.94

Sheet 1 Of 19

DRB CASE #97-293



F.I.R.M. MAP **PANEL 137 OF 825**

SCALE: 1" = 500'

DESCRIPTION

A certain tract of land located within the Corporate Limits of the City of Albuquerque, New Mexico, comprising Lots 3–11, inclusive, Lots 22–29, inclusive, Block 33, and Lots 4–13, inclusive, Lots 20–26, inclusive, Block 34, Tract A, Unit B, North Albuquerque Acres as the same are shown on the plat filed in the office of the County Clerk of Bernalillo County, New Mexico on April 24, 1935, Book D, Page 130.

KEYED NOTES

Ⓐ FOUND REBAR W/CAP STAMPED "LS 10042", TAGGED W/WASHER STAMPED "NMPS 11184"

Ⓑ FOUND #5 REBAR (NO I.D.), TAGGED WITH WASHER STAMPED "NMPS 11184"

Ⓒ FOUND REBAR W/CAP (NO I.D.), TAGGED WITH WASHER STAMPED "NMPS 11184"

Ⓓ FOUND REBAR W/CAP STAMPED "NEW MEXICO PS 11184"

Ⓔ SET #5 REBAR W/CAP STAMPED "NEW MEXICO PS 11184"

① 10' PUBLIC UTILITY EASEMENT GRANTED BY THIS PLAT

② 20' PUBLIC DRAINAGE EASEMENT GRANTED BY THIS PLAT

③ 25' NON-VEHICULAR PRIVATE ACCESS AND PUBLIC UTILITY EASEMENT GRANTED BY THIS PLAT

④ PEDESTRIAN ACCESS EASEMENT GRANTED BY THIS PLAT

⑤ 5' PRIVATE DRAINAGE EASEMENT GRANTED BY THIS PLAT

⑥ 25' NON-VEHICULAR PRIVATE ACCESS, PUBLIC STORM DRAINAGE, PUBLIC SANITARY SEWER AND PUBLIC UTILITY EASEMENT GRANTED BY THIS PLAT

⑦ PRIVATE LANDSCAPE EASEMENT GRANTED BY THIS PLAT

⑧ 4' VACATION OF A PORTION OF ANAHEIM AVENUE N.E. BY V-96-11

⑨ 2' VACATION OF A PORTION OF HOLLY AVENUE N.E. BY V-96-11

⑩ VACATION OF A PORTION OF CARMEL AVENUE N.E. BY V-96-11

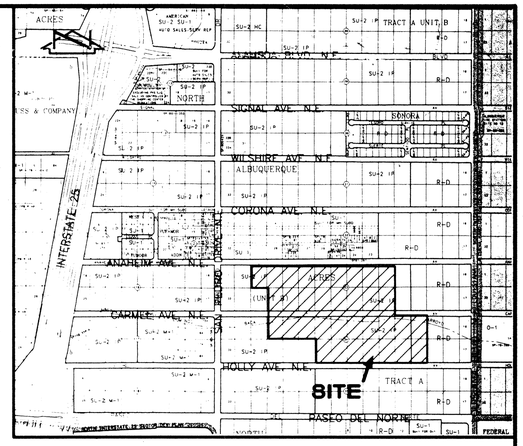
NOTES:

1. A boundary survey was performed in April, 1997 to determine the perimeter of the property to be platted. Property corners were found or set as indicated.
2. All distances are ground distances.
3. Site located within projected Section 13, Township 11 North, Range 3 East, N.M.P.M.
4. Bearings shown hereon are New Mexico State Plane Grid Bearings, Central Zone.
5. Street mileage created by this plat = 1.26 miles (full-width) and 0.06 miles (half-width).
6. Upon completion of the construction of the streets, City of Albuquerque approved centerline monuments shall be placed at all intersections or as otherwise indicated in lieu of subdivision block corner monumentation. Location of said monuments are designated with a " ◎ " symbol.
7. Manholes will be offset at points of curvature, points of tangency, street intersections, and other angle points where practical to allow use of centerline monumentation.

APPROVED FOR STREET NAMES AND MONUMENTATION:

City Surveyor, City of Albuquerque — Date: 052297

DRAINAGE NOTE:
A portion of this subdivision is within a 100-year flood plain as shown on the National Flood Insurance Program "Flood Insurance Rate Map". A Letter of Map Revision (LOMR) will be requested from the Federal Emergency Management Agency (FEMA) to remove the existing flood plain. Until the LOMR is issued by FEMA, property owners may be required to purchase flood insurance.



VICINITY MAP **C-18**

SCALE: 1" = 750'

BOUNDARY TABLES

LINE	DIRECTION	DISTANCE
BL1	N 01°17'27" W	60.00'
L1	N 89°39'54" W	11.05'
L2	S 89°39'30" E	49.87'
L3	S 89°40'12" E	13.70'
L4	N 89°39'30" W	13.12'
L5	S 89°39'30" E	13.12'
L6	N 00°20'29" E	11.00'
L7	S 89°39'31" E	9.18'
L8	N 00°20'29" E	1.11'
L9	S 00°20'29" W	1.48'
L10	N 00°20'29" E	5.14'
L11	N 60°25'07" E	20.73'
L12	N 00°20'29" E	26.00'
L13	S 89°39'31" E	7.04'
L14	N 00°21'54" E	39.00'
L15	N 00°09'02" E	26.19'
L16	S 89°47'47" E	3.24'
L17	N 00°21'55" E	31.16'
L18	N 89°39'31" W	2.18'
L19	S 00°20'29" W	13.00'
L20	N 00°13'14" W	16.25'
L21	N 00°13'14" W	21.63'
L22	S 01°17'27" E	6.48'
L23	N 00°05'29" E (NR)	14.44'
L24	S 00°13'14" E	23.12'
L25	S 00°07'42" W	22.78'
L26	N 00°07'42" E	29.46'
L27	N 89°40'06" W	19.82'
L28	N 00°07'42" E	4.54'
L29	N 00°13'14" W	15.76'
L30	N 01°17'27" W	7.51'
L31	N 00°20'29" E	6.33'
L32	N 88°40'52" E	34.51'
L33	S 89°39'31" E	16.09'
L34	N 00°20'29" E	1.48'

CURVE	RADIUS	LENGTH	CHORD	CH. BEARING	DELTA
CL1	NOT USED				
CL2	NOT USED				
CL3	378.75'	75.50'	75.37'	N 83°56'52" W	11°25'16"
CL4	378.75'	75.50'	75.37'	S 83°56'52" E	11°25'16"
CL5	378.72'	75.50'	75.37'	N 84°37'50" E	11°25'18"
CL6	378.72'	75.50'	75.37'	N 84°37'50" E	11°25'18"
CL7	75.00'	117.81'	106.07'	S 44°39'31" E	90°00'00"
CL8	279.02'	47.30'	47.25'	S 84°48'48" E	09°42'48"
CL9	279.02'	47.30'	47.25'	N 84°48'48" W	09°42'48"
CL10	75.00'	117.81'	106.07'	N 44°39'31" W	90°00'00"
C1	25.00'	0.68'	0.68'	N 88°53'58" W	01°32'56"
C2	45.00'	36.36'	35.38'	S 64°59'32" E	46°17'24"
C3	25.00'	20.19'	19.65'	S 64°59'04" E	46°16'24"
C4	45.00'	38.43'	37.27'	N 67°23'58" E	48°55'36"
C5	45.00'	38.49'	37.32'	N 18°26'07" E	49°00'05"
C6	45.00'	38.27'	37.13'	S 30°25'50" E	48°43'48"
C7	45.00'	43.29'	41.64'	N 82°21'15" W	55°07'03"
C8	45.00'	21.66'	21.45'	N 56°17'50" E	27°34'47"
C9	25.00'	20.87'	20.27'	S 66°25'07" W	47°49'21"
C10	25.00'	39.27'	35.36'	S 44°39'51" E	90°00'42"
C11	25.00'	39.27'	35.36'	N 45°20'30" E	90°00'00"
C12	25.00'	20.87'	20.27'	S 65°44'49" E	47°49'21"
C13	45.00'	22.27'	22.05'	N 56°00'59" W	28°21'41"
C14	45.00'	45.39'	43.49'	N 80°54'22" E	57°47'37"
C15	45.00'	40.58'	39.22'	N 26°10'32" E	51°40'04"
C16	45.00'	40.58'	39.22'	N 25°29'33" W	51°40'04"
C17	45.00'	45.39'	43.49'	S 80°13'23" E	57°47'36"
C18	45.00'	22.27'	22.05'	N 56°41'59" E	28°21'40"
C19	25.00'	20.87'	20.27'	S 66°25'49" W	47°49'21"
C20	25.00'	39.27'	35.36'	S 44°39'30" E	90°00'00"
C21	25.00'	39.27'	35.36'	N 45°20'47" E	90°00'35"
C22	25.00'	39.26'	35.35'	N 45°20'09" E	89°59'18"
C23	256.02'	36.87'	36.84'	S 85°32'40" E	08°15'04"
C24	52.00'	81.68'	73.54'	N 44°39'30" W	89°59'59"
C25	25.00'	39.27'	35.36'	N 45°20'29" E	90°00'00"
C26	25.00'	39.27'	35.36'	N 44°39'51" W	90°00'42"
C27	302.02'	51.20'	51.14'	S 84°48'48" E	09°42'48"
C28	256.02'	6.53'	6.53'	N 80°41'16" W	01°27'44"
C29	401.72'	14.82'	14.82'	N 89°17'04" E	02°06'51"
C30	40.00'	29.19'	28.55'	N 79°02'46" E	41°49'04"
C31	25.00'	14.05'	13.87'	N 74°14'22" E	32°12'15"
C32	40.00'	39.85'	38.22'	S 51°30'23" E	57°04'39"
C33	40.00'	38.76'	37.26'	N 04°47'21" E	55°30'48"
C34	25.00'	14.05'	13.87'	N 16°26'37" E	32°12'15"
C35	25.00'	39.27'	35.35'	S 44°39'13" E	89°59'25"
C36	25.00'	39.26'	35.35'	N 45°20'09" E	89°59'18"
C37	25.00'	42.91'	37.83'	S 48°49'52" E	98°20'43"
C38	355.72'	19.10'	19.10'	N 80°27'29" E	03°04'35"
C39	401.72'	23.40'	23.40'	N 80°35'19" E	03°20'14"
C40	NOT USED				
C41	NOT USED				
C42	25.00'	39.27'	35.36'	S 44°39'31" E	90°00'00"
C43	25.00'	39.27'	35.36'	N 45°20'29" E	90°00'00"
C44	25.00'	39.27'	35.36'	S 44°39'31" E	90°00'00"
C45	98.00'	51.92'	51.31'	N 14°50'06" W	30°21'11"
C46	98.00'	102.02'	97.48'	S 59°50'06" E	59°38'49"
C47	25.00'	39.27'	35.36'	S 44°39'31" E	90°00'00"

CURVE	RADIUS	LENGTH	CHORD	CH. BEARING	DELTA
C48	401.72'	60.44'	60.38'	N 83°55'03" E	08°37'11"
C49	401.72'	4.82'	4.82'	S 79°15'49" W	00°41'16"
C50	355.72'	43.71'	43.68'	N 82°26'24" E	07°02'25"
C51	355.72'	27.20'	27.19'	S 88°09'03" W	04°22'53"
C52	355.75'	42.92'	42.90'	S 86°12'07" E	06°54'47"
C53	355.75'	27.99'	27.98'	S 80°29'29" E	04°30'29"
C54	401.75'	17.65'	17.65'	S 79°29'46" E	02°31'03"
C55	401.75'	45.25'	45.22'	N 83°58'52" W	06°27'10"
C56	401.75'	17.19'	17.18'	N 88°25'59" W	02°27'03"
C57	NOT USED				
C58	NOT USED				
C59	NOT USED				
C60	401.72'	55.19'	55.14'	N 86°11'34" E	07°52'17"
C61	401.72'	1.49'	1.49'	S 89°45'54" E	00°12'47"
C62	401.75'	22.01'	22.01'	S 88°05'20" E	03°08'21"
C63	401.75'	50.38'	50.35'	S 82°55'37" E	07°11'06"
C64	401.75'	7.69'	7.69'	S 78°47'09" E	01°05'50"
C65	355.75'	19.10'	19.10'	S 79°46'32" E	03°04'36"
C66	25.00'	42.91'	37.83'	N 49°30'50" E	98°20'40"
C67	52.00'	81.68'	73.54'	S 44°39'31" E	90°00'00"
C68	25.00'	39.27'	35.36'	N 45°20'29" E	90°00'00"
C69	NOT USED				
C70	25.00'	19.06'	18.61'	S 21°30'14" E	43°41'27"
C71	40.00'	29.13'	28.49'	S 22°29'20" E	41°43'16"
C72	40.00'	32.10'	31.25'	S 21°21'51" W	45°59'06"
C73	40.00'	32.10'	31.25'	S 67°20'57" W	45°59'06"
C74	40.00'	33.65'	32.67'	N 65°33'25" W	48°12'11"
C75	40.00'	30.55'	29.82'	N 19°34'19" W	43°46'00"
C76	40.00'	29.13'	28.49'	N 23°10'19" E	41°43'16"
C77	25.00'	19.06'	18.61'	N 22°11'13" E	43°41'27"
C78	25.00'	39.27'	35.36'	N 44°39'51" W	90°00'42"
C79	25.00'	39.02'	35.18'	S 44°56'22" E	89°26'17"
C80	NOT USED				
C81	25.00'	39.52'	35.53'	S 45°03'38" W	90°33'43"
C82	25.00'	39.28'	35.36'	N 44°38'48" W	90°01'24"
C83	25.00'	2.17'	2.17'	N 02°51'13" E	04°58'37"
C84	25.00'	13.92'	13.74'	N 21°17'18" E	31°53'35"
C85	40.00'	35.00'	33.89'	N 12°10'15" E	50°07'42"
C86	40.00'	50.88'	47.52'	S 49°19'58" E	72°52'43"
C87	40.00'	56.30'	51.77'	S 53°54'19" W	80°38'42"
C88	40.00'	42.32'	40.37'	S 16°43'27" E	60°36'51"
C89	25.00'	9.29'	9.24'	S 36°22'51" E	21°18'03"
C90	25.00'	11.39'	11.29'	N 12°40'58" W	26°05'44"
C91	25.00'	39.26'	35.35'	N 45°21'12" E	89°58'35"
C92	25.00'	39.02'	35.18'	N 44°56'22" W	89°26'17"
C93	25.00'	39.36'	35.42'	S 45°14'06" W	90°12'48"
C94	25.00'	39.52'	35.53'	N 45°03'38" E	90°33'44"
C95	NOT USED				
C96	25.00'	39.18'	35.29'	N 44°45'54" W	89°47'12"
C97	25.00'	39.31'	35.38'	S 45°23'13" W	90°05'27"
C98	302.02'	22.39'	22.38'	S 87°32'47" E	04°14'50"
C99	302.02'	28.81'	28.80'	S 82°41'23" E	05°27'58"
C100	256.02'	31.61'	31.59'	N 83°29'39" W	07°04'30"
C101	256.02'	11.79'	11.79'	N 88°21'03" W	02°38'19"
C102	25.00'	39.26'	35.35'	N 45°20'09" E	89°59'18"
C103	25.00'	39.23'	35.33'	S 44°36'47" E	89°54'33"

AS-BUILT

FOR INFORMATION ONLY

SURVEYORS CERTIFICATION

I, Charles G. Cala, Jr., a registered Professional Surveyor under the laws of the State of New Mexico do hereby certify that I conducted and am responsible for this plat, shows all easements made known to me by this owner, utility companies, or other parties expressing an interest; meets the minimum requirement for Monumentation and surveys of the Albuquerque Subdivision Ordinance; complies with the minimum standards for surveying in the State of New Mexico, and is true and correct to the best of my knowledge and belief.

Charles G. Cala, Jr., NMPS 11184 — Date: 5-21-1997

CHARLES G. CALA, JR. NEW MEXICO 11184 REGISTERED PROFESSIONAL SURVEYOR

Sheet 2 Of 19

The purpose of this plat is to:

a. Dedicate public street rights-of-way as shown.

b. Incorporate the vacated portions of Holly Avenue N.E., Anaheim Avenue N.E. and Carmel Avenue N.E. vacated by V-96-11.

c. Grant the necessary easements as shown.

d. Create 200 residential lots within Units 2, 3a, 3b, 3c and 4, La Cueva Oeste.

JEFF MORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

PRELIMINARY MASTER PLAN PLAT

LA CUEVA OESTE UNITS 2, 3a, 3b, 3c AND 4

DESIGNED BY T.O.B.
SURVEYED BY R.J.E.
DRAWN BY T.N.T.
APPROVED BY C.G.C.

NO.	DATE	BY	REVISIONS

JOB NO. 961193
DATE 05-1997
SHEET X OF X

SCANNED BY MESA REPRO

ALL LOTS CREATED BY THIS PLAT SHALL HAVE A P1 DESIGNATION.

SCALE: 1" = 60'

ANAHEIM AVENUE N.E. (56' R.O.W.) — S 89°40'20" E 1483.83'

SONRISA PL. N.E. — UNIT 3b

CALLE AVION N.E. (46' R.O.W.) — N 00°07'42" E 263.94'

CARMEL AVE. N.E. (46' R.O.W.) — N 89°47'47" W 493.95'

SANTA CLARITA ST. N.E. (46' R.O.W.) — N 00°20'29" E 371.87'

VILLE CT. N.E. — N 00°21'54" E 234.03'

LA MILPITA ST. N.E. — N 00°20'29" E 744.27'

SAN GAVILON ST. N.E. — N 00°20'29" E 296.85'

SAN TESORO STREET N.E. (R.O.W. VARIES PER PLAT 96C-205) — S 00°10'45" W 527.77'

LA MERIDA DRIVE N.E. (46' R.O.W. PER PLAT 96C-205) — LA CUEVA OESTE, UNIT 1 (FILED 05-07-1996, 96C-185)

CARMEL AVENUE N.E. (52' R.O.W.) — S 89°38'55" E 328.78'

EL MODESTO CT. N.E. (44' R.O.W.) — S 89°39'30" E 366.99'

LADRILLO PL. N.E. — S 89°40'12" E 367.58'

HOLLY AVENUE N.E. (58' R.O.W.) — N 89°39'54" W 328.71'

N 89°34'04" W 824.77'

S 00°10'45" W 528.21'

UNIT 2 — UNIT 3a — UNIT 3b — UNIT 3c — UNIT 4

BLOCK 7 — BLOCK 8 — BLOCK 9 — BLOCK 10 — BLOCK 11

NEW MEXICO CENTRAL ZONE-NAD 1927
A.C.S. STA. "11-D18"
X=402,300.89
Y=1,518,764.72
COMBINED FACTOR=0.99966051
DELTA ALPHA=-00°11'18"

NEW MEXICO CENTRAL ZONE-NAD 1927
N.G.S. STA. "HEAVEN"
X=407,013.13
Y=1,515,753.31
COMBINED FACTOR=0.99965263
DELTA ALPHA=-00°10'45"

FOR INFORMATION ONLY

AS-BUILT

Sheet 3 Of 19

JEFF HORTENSEN & ASSOCIATES, INC.
6010-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE NEW MEXICO 87109
ENGINEERS SURVEYORS (505) 345-4250

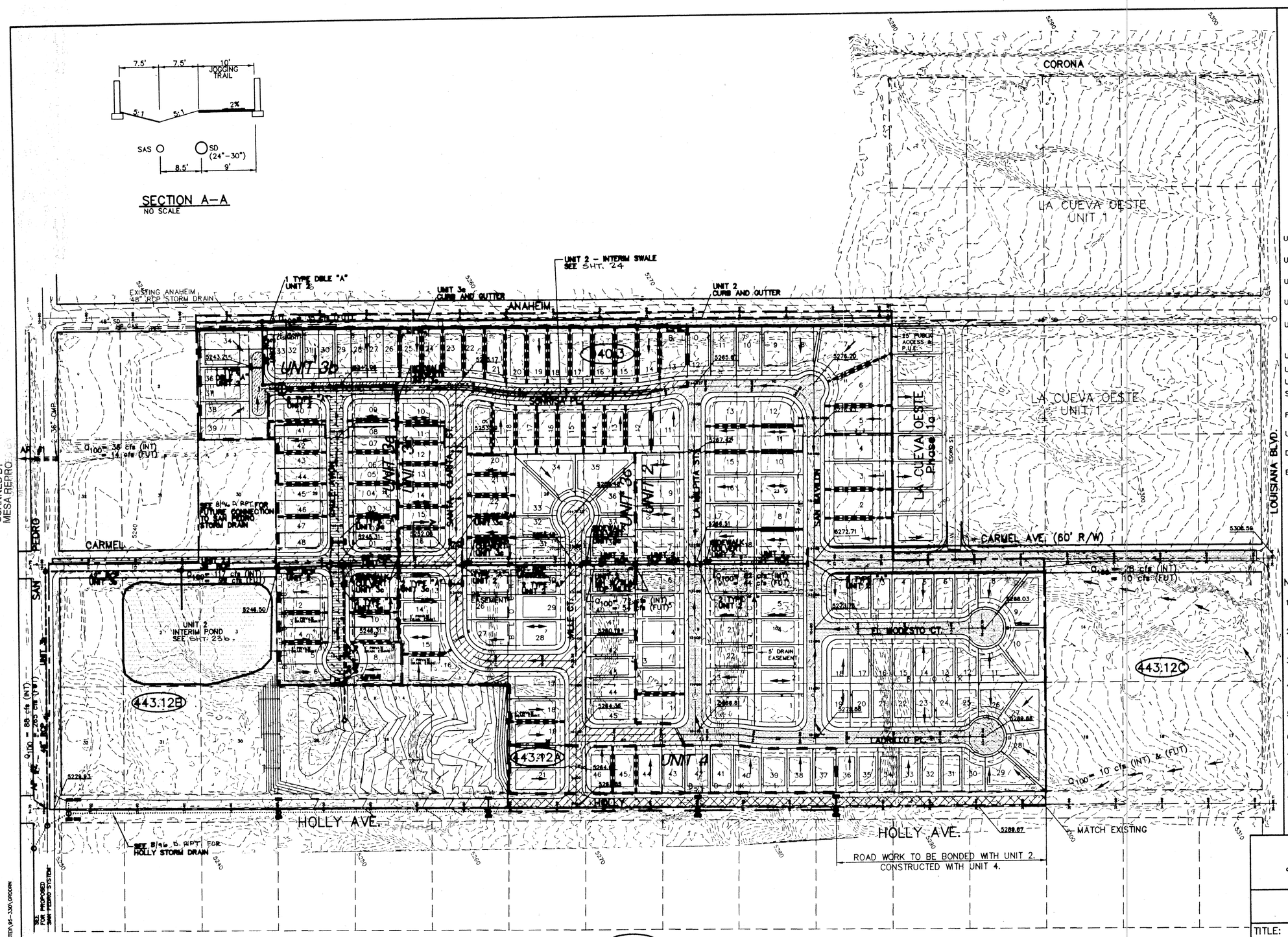
PRELIMINARY MASTER PLAN PLAT
LA CUEVA OESTE UNITS 2, 3a, 3b, 3c AND 4

DESIGNED BY	T.D.B.
SURVEYED BY	R.J.E.
DRAWN BY	T.N.T.
APPROVED BY	C.G.C.

NO.	DATE	BY	REVISIONS

JOB NO. 961198
DATE 05-1997
SHEET 2 OF 2

C:\DATA\ACADDWG\961198\961198CM Wed May 21 13:23:23 1997 -TNT



LEGEND

- UNIT 2 PAVING
- UNIT 3a PAVING
- UNIT 3b PAVING
- UNIT 3c PAVING
- UNIT 4 PAVING
- UNIT 2 STORM DRAIN
- UNIT 3 STORM DRAIN
- UNIT 4 STORM DRAIN
- STORM DRAIN BY OTHERS
- FLOW ARROW
- UNIT BOUNDARY
- DRAINAGE BASIN BOUNDARY
- BASIN DESIGNATION (940.2)

N

100 50 0 100 200

SCALE: 1" = 100'

NOTES:

1. FOR UNIT 2 FINISHED PAD AND RETAINING WALL ELEVATIONS, SEE SHT 4.
2. FOR UNIT 3 FINISHED PAD AND RETAINING WALL ELEVATIONS, SEE SHT 4a.
3. FOR TYPICAL LOT DRAINAGE DETAILS, SEE SHTS 5 AND 5a.
4. FOR PRIVATE DRAINAGE EASEMENT LOCATIONS, SEE SHTS. 4 AND 4a.
5. FOR CARMEL STORM DRAIN EASEMENT, SEE SHTS 23 AND 23a.
6. FOR SAN PEDRO STORM DRAIN, SEE Exhibit 5, 8/96 D.Rep.
7. FOR HOLLY STORM DRAIN, SEE Exhibit 6, 8/96 D.Rep.
8. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY.
9. INTERIM POND DETAILS, SEE SHT. 23b.

CDA INSPECTOR: RUBEN ORTEGA

AS BUILT INFORMATION

CONTRACTOR NEW CALLERS

WORK STAKED BY CDA DATE 6-98

INSPECTED BY CDA DATE 6-98

FIELD VERIFICATION BY CDA DATE 4-99

DRAWINGS CORRECTED BY CDA DATE 4-99

MICRO-FILM INFORMATION

RECORDED BY DATE

NO.

NORTHING:

EASTING:

ELEVATION:

BENCH MARKS

STATION NAME:

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL

DONALD S. DIXON NEW MEXICO 10043 REGISTERED PROFESSIONAL ENGINEER

6/10/97

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGNED BY DSD DATE MAY 1997

DRAWN BY PMT DATE MAY 1997

CHECKED BY DSD DATE MAY 1997

Resource Technology, Inc.
ENGINEERS AND ENVIRONMENTAL SCIENTISTS
CIVIL · ENVIRONMENTAL · WATER RESOURCES · RECREATION · PLANNING
1720-B Avenida Sal. SE, Albuquerque, NM 87106
(505) 243-7330

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LA CUEVA OESTE
SITE PLAN
UNITS 2, 3a, 3b, 3c & 4

Design Review Committee | City Engineer Approval | Last Design Update | No./Day/Yr. | No./Day/Yr.

Approved @ DRB

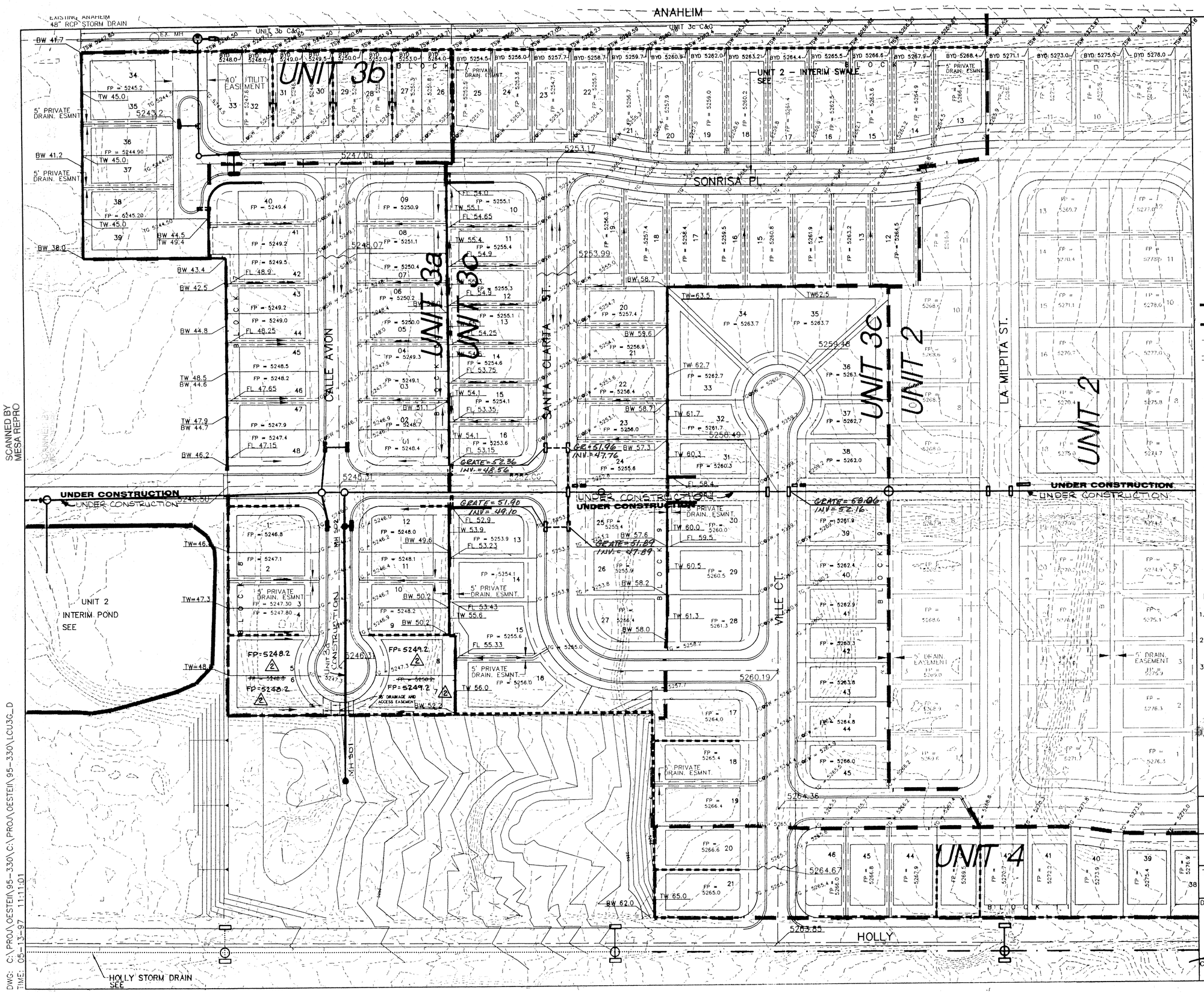
City Project No. 5232.94 | Zone Map No. C-18 | Sheet 4 Of 19

EXHIBIT 2A (REVISED)

FOR INFORMATION ONLY

=FOR INFORMATION ONLY=

AS-BUILT



50 0 50 100
25
SCALE: 1" = 50'

LEGEND

	SPOT ELEVATION
	GARDEN WALL
	RETAINING WALL
5280	EXISTING CONTOUR
	DRAINAGE EASEMENT
TG OR F.G.	FINISHED GRADE
F.P.	FINISHED PAD ELEV.
T.W.	TOP OF WALL ELEV.
B.W.	BOTTOM OF WALL ELEV.
TSW	TOP OF SIDEWALK ELEV.
BYD	BACKYARD ELEV. ● FENCE
FL	FLOWLINE ELEV.
	100-YR. FLOODPLAIN
	PROPOSED LOT LINE
	SIDEWALK CULVERT

NOTES:

1. FOR TYPICAL LOT DRAINAGE DETAILS, SEE SHT. 5a
2. FOR UNIT 2 FINISHED PAD, FINISHED GROUND AND RETAINING WALL ELEVATIONS, SEE SHT. 4.
3. REMOVE POND AND CONNECTING PIPES FROM UNIT 2.

FOR INFORMATION ONLY

AS-BUILT

Resource Technology, Inc.
ENGINEERS AND ENVIRONMENTAL SCIENTISTS
CIVIL · ENVIRONMENTAL · WATER RESOURCES · RECREATION · PLANNING
1730-B Randolph Rd. SE, Albuquerque, NM 87106
(505) 243-7300

AS BUILT INFORMATION
CONTRACTOR NEC CONCRETE
WORK STAKED BY C&A DATE 4/97
INSPECTOR'S ACCEPTANCE BY C&A DATE 4/97
FIELD VERIFICATION BY C&A DATE 4/97
DRAWINGS CORRECTED BY T.BRU DATE 4/97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY

ENGINEERS SEAL
DONALD S. DIXON
NEW MEXICO 7043
REGISTERED PROFESSIONAL ENGINEER
6/10/97
4/14/98

NO.	DATE	REMARKS	BY
2	4/14/98	CO#2 MODIFY FP ELEVATIONS	DSD

REVISIONS

		DATE
DESIGNED BY	DSD	AUG. 1996
DRAWN BY	PWT	AUG. 1996
CHECKED BY	DSD	AUG. 1996

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

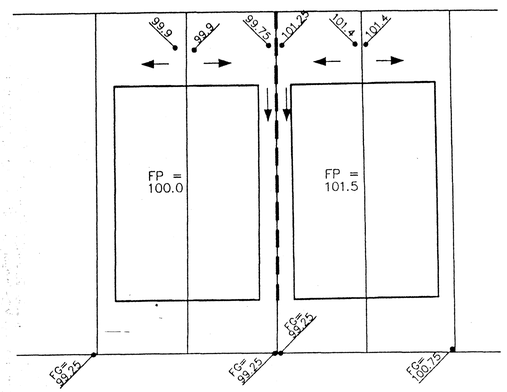
TITLE: LA CUEVA OESTE UNIT 3a
GRADING and DRAINAGE PLAN

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

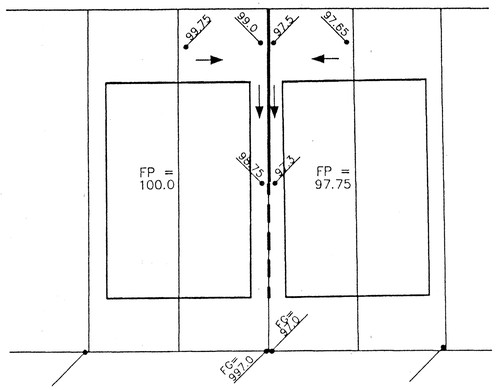
City Project No.	Zone Map No.	Sheet	Of
5232.94	C-18	5	19

EXHIBIT 2C (REVISED)

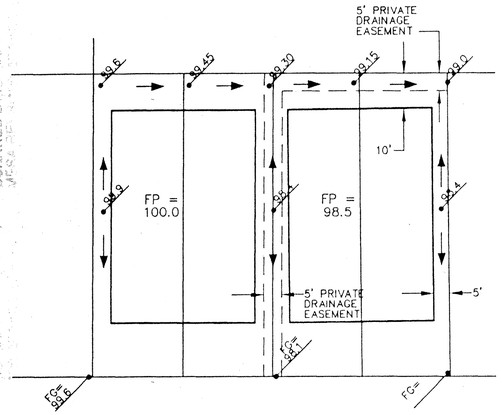
DWG: C:\PROJ\OESTE\95-330\C:\PROJ\OESTE\95-330\LCU3G_D
TIME: 05-13-97 11:11:01



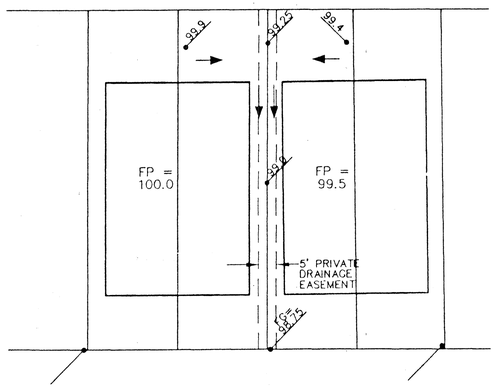
CASE 3a



CASE 1



CASE 3b

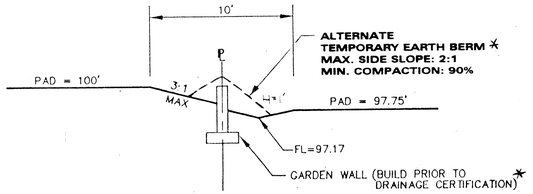


CASE 2

LEGEND

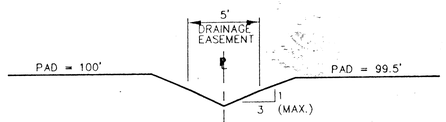
- SPOT ELEVATION
- DIRECTION OF FLOW
- GARDEN WALL
- RETAINING WALL
- HOUSE PAD
- DRAINAGE EASEMENT
- FP = 5276.9 — FINISHED PAD ELEVATION
- TW — TOP OF WALL
- BW — BOTTOM OF WALL
- FL — FLOWLINE

N



CASE 1

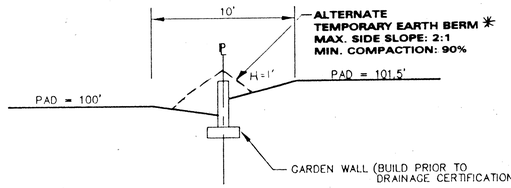
ADJACENT PAD
ELEVATION DIFFERENCE (h): 1.5' < h <2.25'



CASE 2

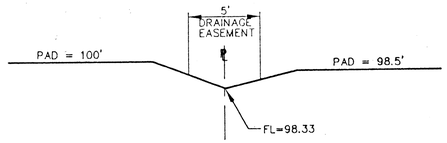
ADJACENT PAD
ELEVATION DIFFERENCE < .5'

* IF TEMPORARY EARTH BERM IS BUILT INSTEAD OF GARDEN WALL, TO FACILITATE CONSTRUCTION, IT MUST BE REPLACED WITH GARDEN WALL BY HOME BUILDER, PRIOR TO OCCUPANCY. THE WALLS SHOWN AS REQUIRED FOR DRAINAGE ARE THE ULTIMATE RESPONSIBILITY OF THE DEVELOPER, DEVELOPMENT SERVICES CO. LTD.



CASE 3a

ADJACENT PAD
ELEVATION DIFFERENCE (h): .5'< h <1.5'
MIN. DIFFERENCE BETWEEN FP & FG = .75'



CASE 3b

ADJACENT PAD
ELEVATION DIFFERENCE (h): .5'< h <1.5'
MIN. DIFFERENCE BETWEEN FP & FG = .40'

TYPICAL LOT DRAINAGE DETAILS

AT FRONT (STREET SIDE) EDGE OF PAD
FINISHED FLOOR ± .33' ABOVE PAD ELEVATION

SCANNED BY MESA REPRO
SCANNED BY MESA REPRO

FOR INFORMATION ONLY

AS-BUILT

AS BUILT INFORMATION
CONTRACTOR NEW CONCEPTS
WORK STAKED BY CBA DATE 4-97
INSPECTOR'S ACCEPTANCE BY CDA DATE 4-97
FIELD VERIFICATION BY CDA DATE 4-97
DRAWINGS CORRECTED BY TJRAM DATE 4-97
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEERS SEAL
DONALD S. DIXON — NEW MEXICO — 10143 — REGISTERED PROFESSIONAL ENGINEER
5/29/97
10/16/97

DSD

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN

		DATE
DESIGNED BY	DSD	AUG 1996
DRAWN BY	PMT	AUG 1996
CHECKED BY	DSD	AUG 1996

Resource Technology, Inc.
ENGINEERS AND ENVIRONMENTAL SCIENTISTS
CIVIL · ENVIRONMENTAL · WATER RESOURCES · RECREATION · PLANNING
1720-B Randolph Rd. SE, Albuquerque, NM 87106
(505) 243-7300

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

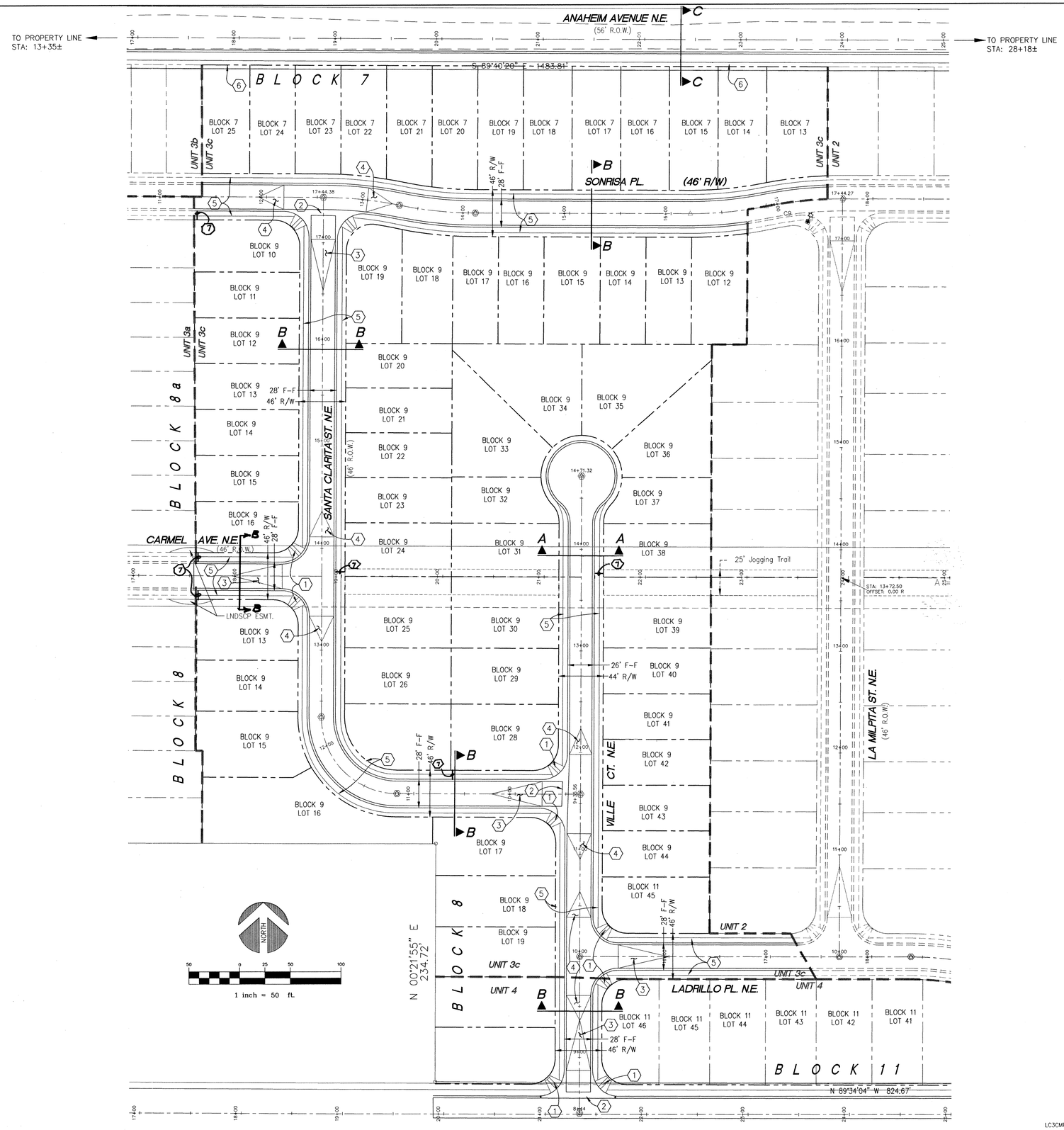
TITLE: LA CUEVA OESTE, UNIT 3a, 3b & 3c
ATTACHED DWELLING UNIT
TYPICAL LOT DRAINAGE

Design Review Committee: APPROVED JUN 23 1997 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5232.94 | Zone Map No. C-18 | Sheet 6 Of 19

EXHIBIT 2E (NEW)

DWG: C:\PROJ\OESTEIN\95-330\C:\PROJ\OESTEIN\95-330\TYPLD2
TIME: 05-23-97 14:29:40



NOTES:

1. SEE PLAT, SHEETS 2 & 3, FOR RIGHT-OF-WAY WIDTHS AND STREET CENTERLINE BEARING & DISTANCE INFORMATION.
2. CONTRACTOR SHALL CONDUCT OPERATIONS IN A MANNER WHICH WILL MINIMIZE INTERFERENCE WITH LOCAL TRAFFIC. CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS, AND ORDERS OF ANY PUBLIC BODY HAVING JURISDICTION FOR THE SAFETY OF PERSONS OR PROPERTY, AND TO PROTECT THEM FROM DAMAGE, INJURY, OR LOSS. CONTRACTOR SHALL ERECT AND MAINTAIN, AS REQUIRED BY THE CONDITIONS AND PROGRESS OF THE WORK, ALL NECESSARY SAFEGUARDS FOR SAFETY CONTINUOUSLY AND NOT LIMITED TO NORMAL WORKING HOURS, THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR SHALL ADHERE TO SECTION 19 (CONSTRUCTION TRAFFIC CONTROL) OF THE GENERAL CONDITIONS OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION W/ UPDATE #6.
3. THE CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER & ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
4. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH REFLECTORIZED PLASTIC PAVEMENT MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
5. CONTRACTOR SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY SO THAT THE EXCAVATED MATERIAL IS NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET.
6. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS , RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
7. SEE SHEET 19 FOR CROSS SECTIONS AND PAVING SECTIONS.

⬡ CONSTRUCTION KEYED NOTES:

1 CONSTRUCT P.C.C. SIDEWALK, 4" THICK, TRANSITIONS TO HANDICAP ACCESS RAMPS AND P.C.C. RAMP PER STD. DWG.# 2441. CASE NO. 2. LENGTH OF RAMPS MAY VARY AS NEEDED, SLOPE NOT TO EXCEED 12:1.

2 CONSTRUCT P.C.C. VALLEY GUTTER AND GUTTER AND CURB PER STD. DWG.# 2420, 6' WIDE WITH 1 1/2" INVERT DEPTH.

3 CROWN TO NO CROWN TRANSITION (50' LEN).

4 CROWN TO HALF CROWN TRANSITION (25' LEN).

5 4' WIDE P.C.C. SIDEWALK (NOT IN THIS CONTRACT).

6 4' WIDE P.C.C. SIDEWALK (TO BE INCLUDED IN THIS CONTRACT).

7. SDWLK. DRN. PER STD. DWG # 2236.

AS BUILT INFORMATION

CONTRACTOR	NBW CONCRETE	DATE 4-98
WORK STAKED BY	COA	DATE 4-98
ACCEPTANCE BY	COA	DATE 4-98
FIELD VERIFICATION BY	COA	DATE 4-98
DRAWINGS CORRECTED BY	T.B.W.	DATE 4-98
RECORDED BY	MICRO-FILM INFORMATION	DATE
NO.		

BENCH MARKS

NO.	DATE	ACS STA. No. 1-C19
		Y=1518845.74
		X=404941.91
		Z=5318.195

SURVEY INFORMATION

FIELD NOTES

NO.	BY

ENGINEER'S SEAL

TERRY O. BROWN STATE OF NEW MEXICO 7407 REGISTERED PROFESSIONAL ENGINEER

8/31/98

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY: TOB DATE: 07/98

DRAWN BY: TOB DATE: 07/98

CHECKED BY: TOB DATE: 07/98

FOR INFORMATION ONLY

AS-BUILT

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

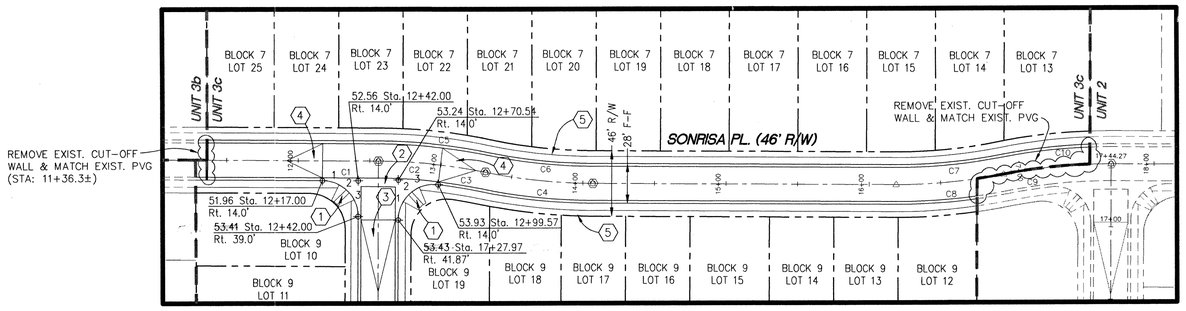
TITLE: LA CUEVA OESTE, UNIT 3c
PAVING MASTER PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DESIGN REVIEW COMMITTEE				

City Project No.	Zone Map No.	Sheet	Of
5232.94	C-18-Z	7	19

LC3CMPLN.DWG

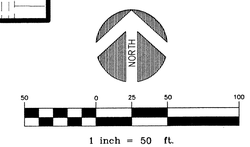
SCANNED BY MESA REPRO



SEE SHEET 9 FOR CONTINUATION

	FL
1	52.32
2	52.69
3	53.05

	FL
1	53.56
2	53.68
3	53.81



NOTES:

1. NEW ELEVATIONS SHOWN ARE FLOWLINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS APPLY TO THIS SHEET:
   - DWG 2401 – TYP. RES. STREET INTERS.
   - DWG 2405 – RESIDENTIAL STREET SECTION
   - DWG 2415 – CURB AND GUTTER
   - DWG 2418 – MOUNTABLE TO STANDARD CURB TRANSITION
   - DWG 2420 – CONCRETE VALLEY GUTTER
   - DWG 2430 – SIDEWALK DETAILS
   - DWG 2440 – WHEEL CHAIR RAMP
   - DWG 2441 – WHEEL CHAIR RAMP
   - DWG 2250 – REMOVABLE POSTS
3. SEE PLAT, SHEETS 2 & 3, FOR RIGHT OF WAY WIDTHS AND STREET CENTERLINE BEARING & DISTANCE INFORMATION.

CONSTRUCTION KEYED NOTES:

1 CONSTRUCT P.C.C. RAMP PER STD. DWG.# 2441. CASE NO. 2. LENGTH OF RAMPS MAY VARY AS NEEDED, SLOPE NOT TO EXCEED 12:1.

2 CONSTRUCT P.C.C. VALLEY GUTTER AND GUTTER AND CURB PER STD. DWG.# 2420, 6' WIDE WITH 1 1/2" INVERT DEPTH.

3 CROWN TO NO CROWN TRANSITION (50' LEN).

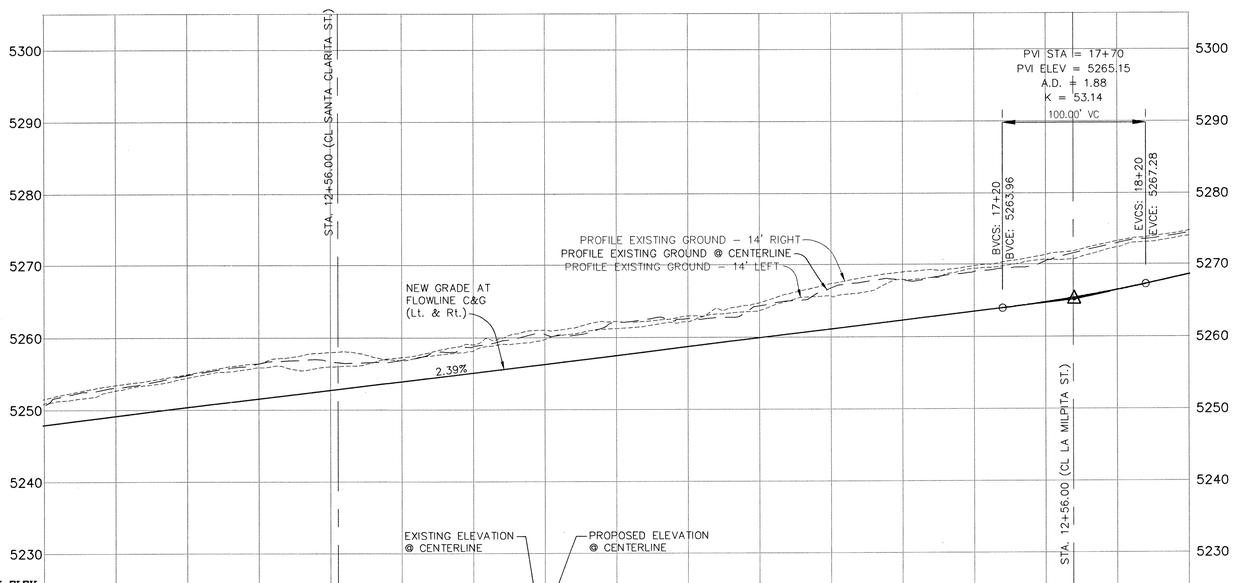
4 CROWN TO HALF CROWN TRANSITION (25' LEN).

5 4' WIDE P.C.C. SIDEWALK (NOT IN THIS CONTRACT).

CURVE DATA AT FACE OF CURB

CURVE	LENGTH	RADIUS	DELTA	TANGET	CHORD LEN	CHORD DIR
C1	39.27	25.00	90°00'00"	25.00	35.36	N 44°39'31" W
C2	42.15	25.00	96°35'29"	28.06	37.33	S 48°38'14" W
C3	30.75	364.75	04°49'47"	15.38	30.74	N 80°39'08" W
C4	78.29	392.75	11°25'16"	39.27	78.16	S 83°56'52" E
C5	78.29	392.75	11°25'16"	39.28	78.16	N 83°56'52" W
C6	72.71	364.75	11°25'16"	36.48	72.59	S 83°56'52" E
C7	72.71	364.72	11°25'18"	36.47	72.58	N 84°37'50" E
C8	78.29	392.72	11°25'18"	39.27	78.16	N 84°37'50" E
C9	30.74	364.72	04°49'46"	15.38	30.73	S 81°20'05" W
C10	78.29	392.72	11°25'18"	39.27	78.16	S 84°37'50" W

SONRISA PL. N.E.



SCALE
HORIZ: 1"=50'
VERT: 1"=10'

DATUM ELEV 5225.0

	11+00		12+00		13+00		14+00		15+00		16+00		17+00		18+00	
ELEV. CL (E.G. CL) (F.G. CL)	5247.98	5253.1 5249.17	5254.8 5250.36	5256.5 5251.55	5256.7 5252.75	5257.0 5253.94	5258.8 5255.13	5260.4 5256.32	5262.1 5257.52	5262.6 5258.71	5264.3 5259.90	5266.8 5261.09	5267.9 5262.29	5268.9 5263.48	5270.4 5264.76	5273.0 5266.47	5274.4
ELEV. LT. (E.G. LT.) (F.G. LT.)		5252.7	5254.5	5255.9	5256.0	5257.3	5259.1	5261.0	5262.2	5263.0	5263.7	5265.7	5268.0	5269.4	5270.7	5272.4	5274.0
ELEV. RT. (E.G. LT.) (F.G. LT.)		5253.5	5255.0	5256.5	5258.0	5256.9	5258.2	5259.7	5261.3	5262.2	5264.8	5267.4	5268.9	5269.8	5271.3	5273.3	5274.7

LC3C_PP.DWG

SCANNED BY MESA REPRO

AS BUILT INFORMATION
CONTRACTOR NEW CONSTRUCTION DATE 4-99
WORK STAKED BY CGA DATE 4-99
ACCEPTANCE BY CGA DATE 4-99
FIELD VERIFICATION BY CGA DATE 4-99
DRAWINGS CORRECTED BY T. BRAN DATE 4-99
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS STA. No. 1-C19
Y=1518845.74
X=404941.91
Z=5318.195

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
TERRY O. BROWN 9407 NEW MEXICO PROFESSIONAL ENGINEER
Terry O. Brown
8/31/98

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY: TOB DATE: 07/98
DRAWN BY: TOB DATE: 07/98
CHECKED BY: TOB DATE: 07/98

FOR INFORMATION ONLY

AS-BUILT

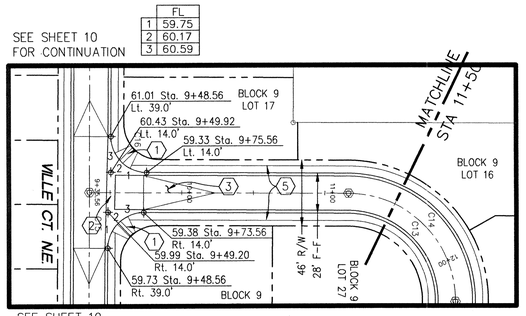
Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

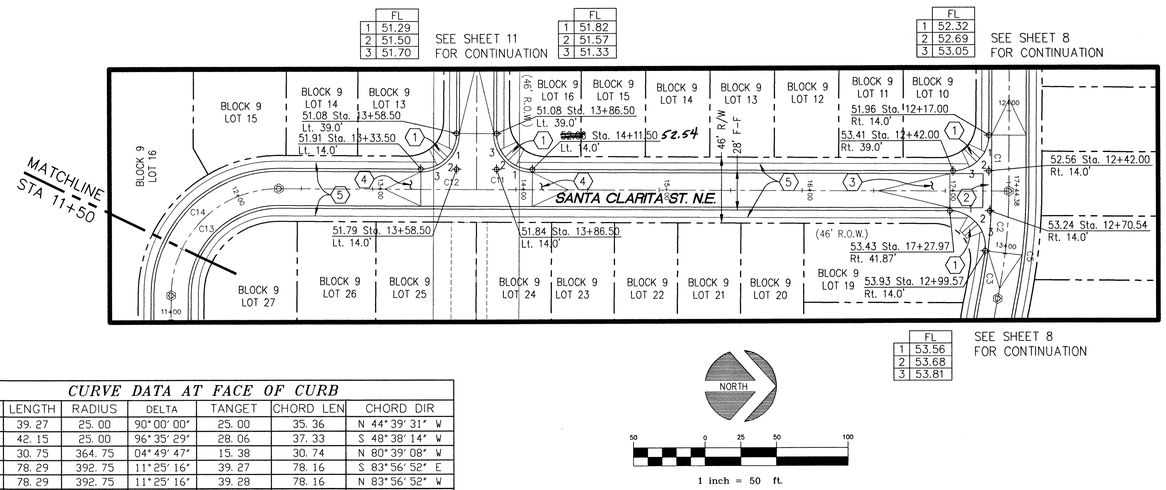
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LA CUEVA OESTE, UNIT 3c
PAVING PLAN AND PROFILE
SONRISA PL. N.E. (Sta. 11+28.27 to Sta. 17+55.18)

Design Review Committee: APPROVED DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update Mo./Day/Yr. Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5232.94	C-18-Z	8	19





CURVE DATA AT FACE OF CURB						
CURVE	LENGTH	RADIUS	DELTA	TANGET	CHORD LEN	CHORD DIR
C1	39.27	25.00	90°00'00"	25.00	35.36	N 44°39'31" W
C2	42.15	25.00	96°35'29"	28.06	37.33	S 48°38'14" W
C3	30.75	364.75	04°49'47"	15.38	30.74	N 80°39'08" W
C4	78.29	392.75	11°25'16"	39.27	78.16	S 83°56'52" E
C5	78.29	392.75	11°25'16"	39.28	78.16	N 83°56'52" W
C10	78.29	392.72	11°25'18"	39.27	78.16	S 84°37'50" W
C11	39.27	25.00	90°00'00"	25.00	35.36	N 45°20'29" E
C12	39.27	25.00	90°00'00"	25.00	35.36	N 44°39'31" W
C13	95.82	61.00	90°00'00"	61.00	86.27	S 44°39'31" E

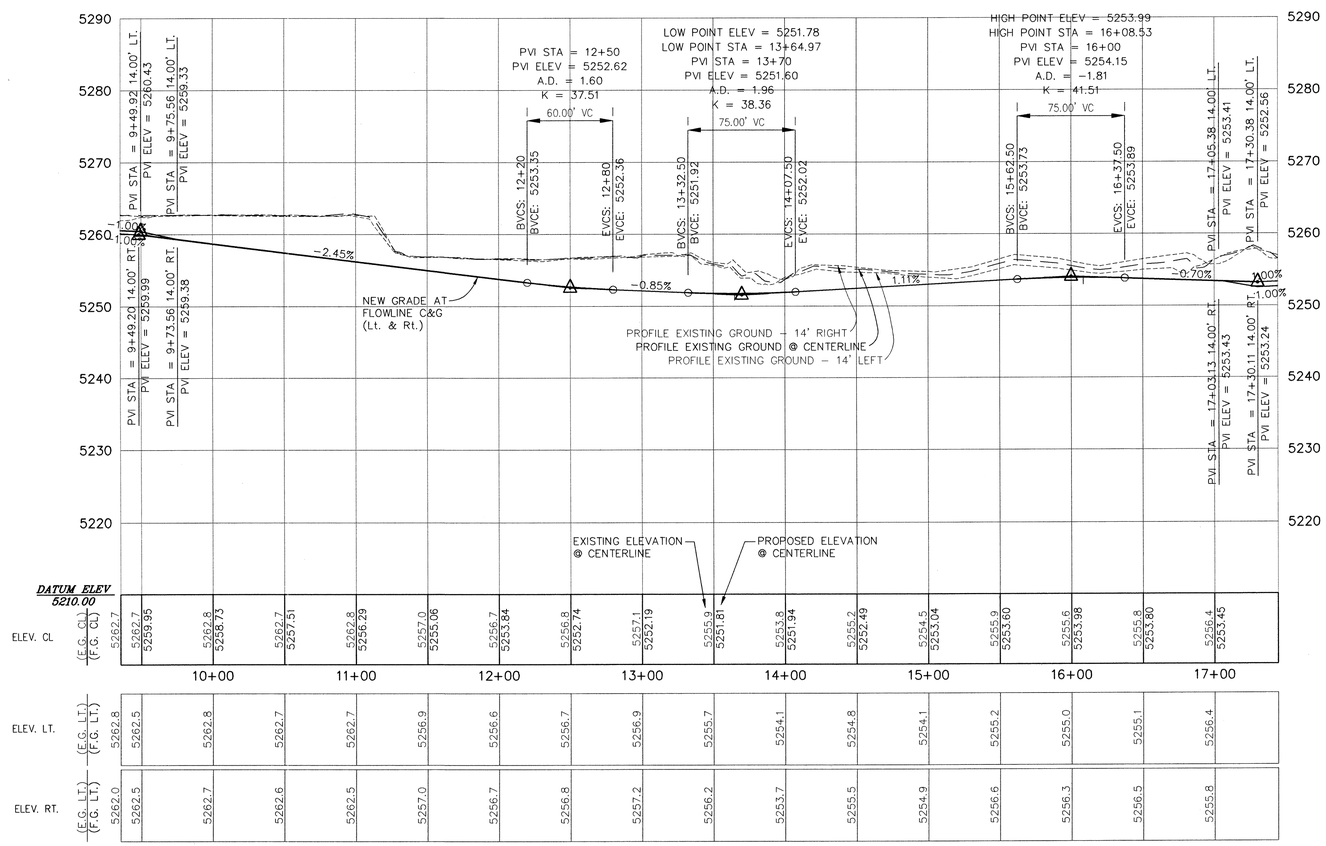
NOTES:

1. NEW ELEVATIONS SHOWN ARE FLOWLINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS APPLY TO THIS SHEET:
   - DWG 2401 – TYP. RES. STREET INTERS.
   - DWG 2405 – RESIDENTIAL STREET SECTION
   - DWG 2415 – CURB AND GUTTER
   - DWG 2418 – MOUNTABLE TO STANDARD CURB TRANSITION
   - DWG 2420 – CONCRETE VALLEY GUTTER
   - DWG 2430 – SIDEWALK DETAILS
   - DWG 2440 – WHEEL CHAIR RAMP
   - DWG 2441 – WHEEL CHAIR RAMP
   - DWG 2250 – REMOVABLE POSTS
3. SEE PLAT, SHEETS 2 & 3, FOR RIGHT OF WAY WIDTHS AND STREET CENTERLINE BEARING & DISTANCE INFORMATION.

CONSTRUCTION KEYED NOTES:

1. CONSTRUCT P.C.C. RAMP PER STD. DWG.# 2441. CASE NO. 2. LENGTH OF RAMPS MAY VARY AS NEEDED, SLOPE NOT TO EXCEED 12:1.
2. CONSTRUCT P.C.C. VALLEY GUTTER AND GUTTER AND CURB PER STD. DWG.# 2420, 6' WIDE WITH 1 1/2" INVERT DEPTH.
3. CROWN TO NO CROWN TRANSITION (50' LEN).
4. CROWN TO HALF CROWN TRANSITION (25' LEN).
5. 4' WIDE P.C.C. SIDEWALK (NOT IN THIS CONTRACT).

SANTA CLARITA ST. N.E.



SCALE
HORIZ: 1"=50'
VERT: 1"=10'

LC3C_PP.DWG

SCANNED BY MESA REPRO

FOR INFORMATION ONLY

AS-BUILT

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LA CUEVA OESTE, UNIT 3c
PAVING PLAN AND PROFILE
SANTA CLARITA ST. N.E. (Sta. 9+35.56 to Sta. 17+44.38)

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

City Project No. 5232.94 | Zone Map No. C-18-Z | Sheet 9 Of 19

AS BUILT INFORMATION
CONTRACTOR NEW CONCEPTS
WORK STAKED BY Cora DATE 4-99
INSPECTOR'S ACCEPTANCE BY Cora DATE 4-99
FIELD VERIFICATION BY Cora DATE 4-99
DRAWINGS CORRECTED BY TJBru DATE 4-99
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

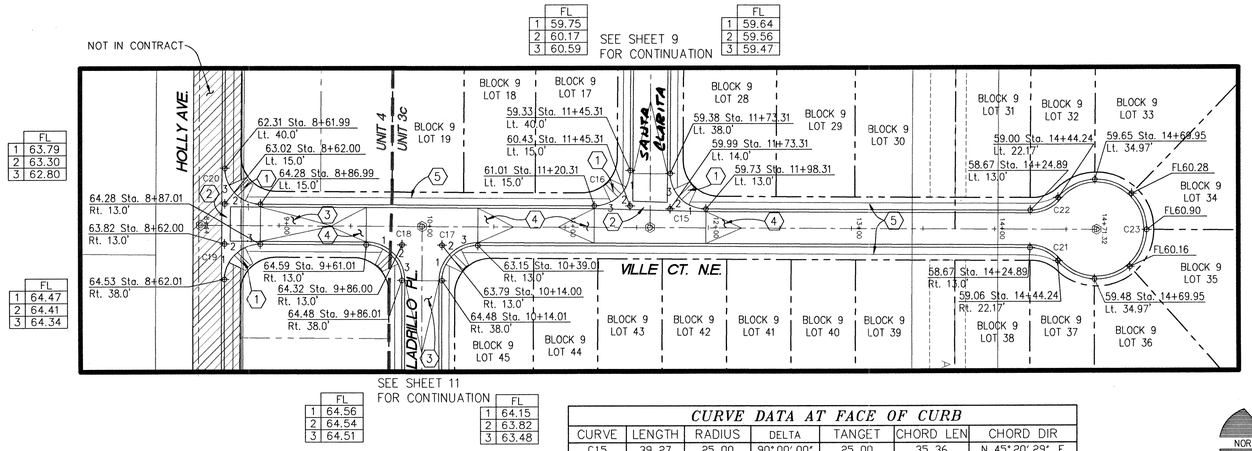
BENCH MARKS
ACS STA. No. 1-C19
Y=1518845.74
X=404941.91
Z=5318.195

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

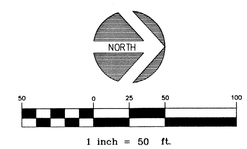
ENGINEER'S SEAL
TERRY O. BROWN STATE OF NEW MEXICO 4007 PROFESSIONAL ENGINEER
8/31/98

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY: TOB DATE: 07/98
DRAWN BY: TOB DATE: 07/98
CHECKED BY: TOB DATE: 07/98

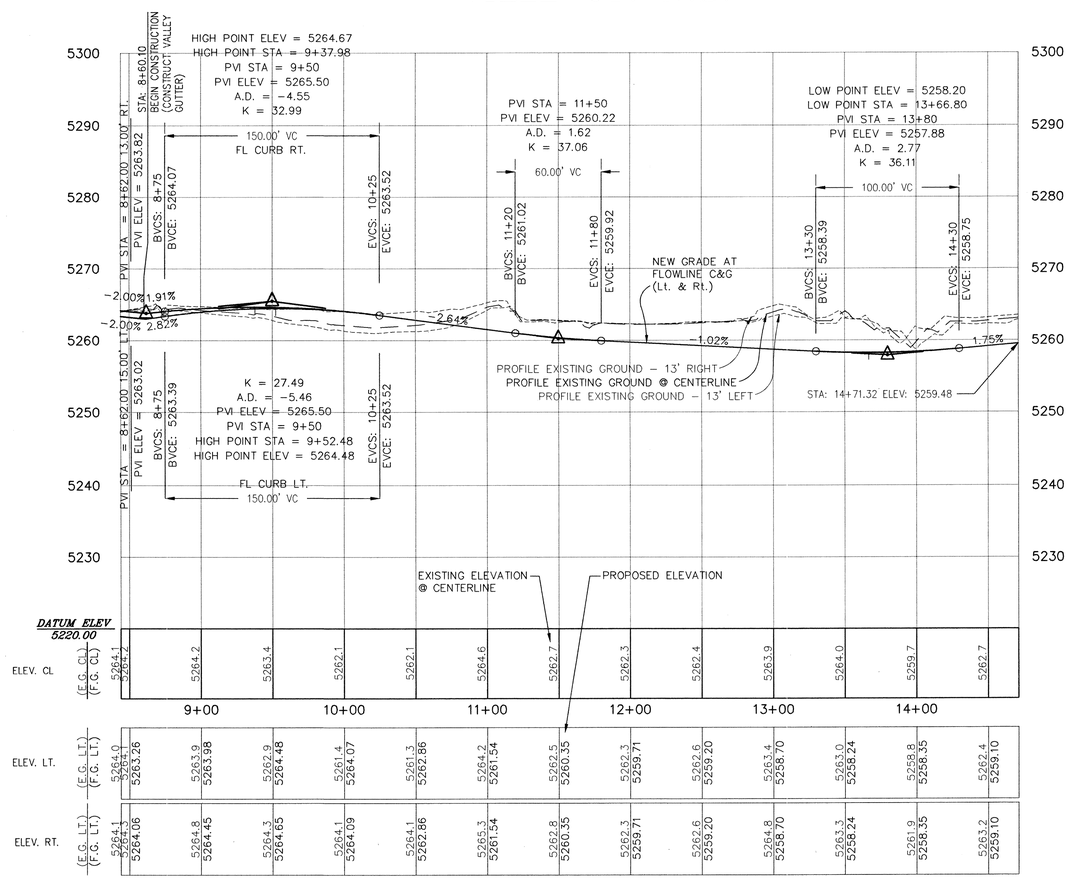


CURVE DATA AT FACE OF CURB						
CURVE	LENGTH	RADIUS	DELTA	TANGET	CHORD LEN	CHORD DIR
C15	39.27	25.00	90°00′00″	25.00	35.36	N 45°20′29″ E
C16	39.27	25.00	90°00′00″	25.00	35.36	N 44°39′31″ W
C17	39.27	25.00	90°00′42″	25.01	35.36	S 44°39′51″ E
C18	39.26	25.00	89°59′18″	24.99	35.35	S 45°20′09″ W
C19	39.27	25.00	90°00′42″	25.01	35.36	S 44°39′51″ E
C20	39.26	25.00	89°59′18″	24.99	35.35	N 45°20′09″ E
C21	22.12	25.00	50°42′13″	11.85	21.41	S 25°41′36″ W
C22	22.12	25.00	50°42′12″	11.85	21.41	N 25°00′37″ W
C23	171.90	35.00	281°24′25″	28.64	44.33	N 89°39′31″ W



SCALE
HORIZ: 1"=50'
VERT: 1"=10'

VILLE CT. N.E.



NOTES:

1. NEW ELEVATIONS SHOWN ARE FLOWLINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS APPLY TO THIS SHEET:
   - DWG 2401 – TYP. RES. STREET INTERS.
   - DWG 2405 – RESIDENTIAL STREET SECTION
   - DWG 2415 – CURB AND GUTTER
   - DWG 2418 – MOUNTABLE TO STANDARD CURB TRANSITION
   - DWG 2420 – CONCRETE VALLEY GUTTER
   - DWG 2430 – SIDEWALK DETAILS
   - DWG 2440 – WHEEL CHAIR RAMP
   - DWG 2441 – WHEEL CHAIR RAMP
   - DWG 2250 – REMOVABLE POSTS
3. SEE PLAT, SHEETS 2 & 3, FOR RIGHT OF WAY WIDTHS AND STREET CENTERLINE BEARING & DISTANCE INFORMATION.

CONSTRUCTION KEYED NOTES:

1 CONSTRUCT P.C.C. RAMP PER STD. DWG.# 2441. CASE NO. 2. LENGTH OF RAMPS MAY VARY AS NEEDED, SLOPE NOT TO EXCEED 12:1.

2 CONSTRUCT P.C.C. VALLEY GUTTER AND GUTTER AND CURB PER STD. DWG.# 2420, 6' WIDE WITH 1 1/2" INVERT DEPTH.

3 CROWN TO NO CROWN TRANSITION (50' LEN).

4 CROWN TO HALF CROWN TRANSITION (25' LEN).

5 4' WIDE P.C.C. SIDEWALK (NOT IN THIS CONTRACT).

AS BUILT INFORMATION
CONTRACTOR: Nichol Construction
WORK STAKED BY: CBA — DATE 4-98
WORK INSPECTED BY: CBA — DATE 4-98
ACCEPTANCE BY: CBA — DATE 4-98
FIELD VERIFICATION BY: CBA — DATE 4-98
DRAWINGS CORRECTED BY: TOB — DATE 4-98
MICRO-FILM INFORMATION
RECORDED BY — DATE
NO.

BENCH MARKS
ACS STA. No. 1–C19
Y=1518845.74
X=404941.91
Z=5318.195

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
TERRY O. BROWN STATE OF NEW MEXICO 6407 PROFESSIONAL ENGINEER
8/21/98

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY: TOB — DATE: 07/98
DRAWN BY: TOB — DATE: 07/98
CHECKED BY: TOB — DATE: 07/98

FOR REFERENCE ONLY

AS-BUILT

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

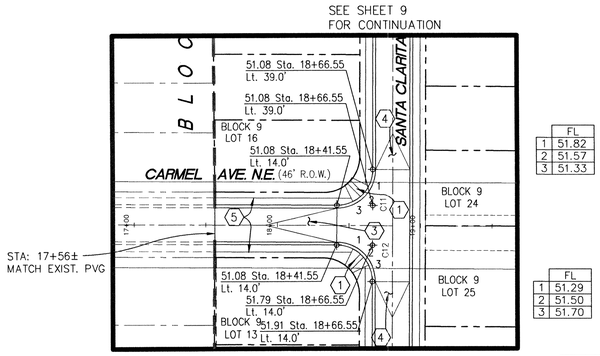
TITLE: LA CUEVA OESTE, UNIT 3c
PAVING PLAN AND PROFILE
VILLE CT. N.E. (Sta. 8+44.00 to Sta. 14+71.32)

Design Review Committee: APPROVED — DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 5232.94 | Zone Map No. C-18-Z | Sheet 10 Of 19

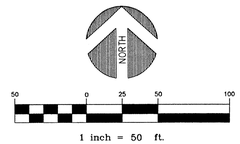
LC3C_PP.DWG

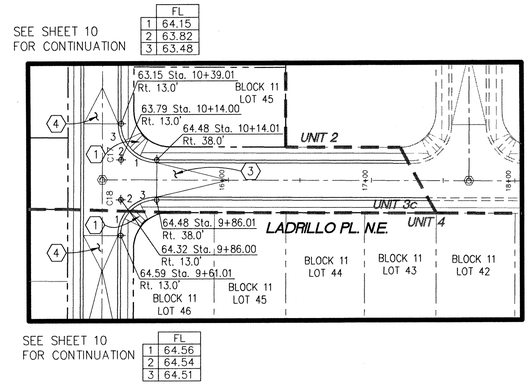
SCANNED BY MESA REPRO



	FL
1	51.82
2	51.57
3	51.33

	FL
1	51.29
2	51.50
3	51.70





	FL
1	64.15
2	63.82
3	63.48

	FL
1	64.56
2	64.54
3	64.51

CURVE DATA AT FACE OF CURB						
CURVE	LENGTH	RADIUS	DELTA	TANGET	CHORD LEN	CHORD DIR
C11	39.27	25.00	90°00'00"	25.00	35.36	N 45°20'29" E
C12	39.27	25.00	90°00'00"	25.00	35.36	N 44°39'31" W
C17	39.27	25.00	90°00'42"	25.01	35.36	S 44°39'51" E
C18	39.26	25.00	89°59'18"	24.99	35.35	S 45°20'09" W

NOTES:

1. NEW ELEVATIONS SHOWN ARE FLOWLINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS APPLY TO THIS SHEET:
   - DWG 2401 – TYP. RES. STREET INTERS.
   - DWG 2405 – RESIDENTIAL STREET SECTION
   - DWG 2415 – CURB AND GUTTER
   - DWG 2418 – MOUNTABLE TO STANDARD CURB TRANSITION
   - DWG 2420 – CONCRETE VALLEY GUTTER
   - DWG 2430 – SIDEWALK DETAILS
   - DWG 2440 – WHEEL CHAIR RAMP
   - DWG 2441 – WHEEL CHAIR RAMP
   - DWG 2250 – REMOVABLE POSTS
3. SEE PLAT, SHEETS 2 & 3, FOR RIGHT OF WAY WIDTHS AND STREET CENTERLINE BEARING & DISTANCE INFORMATION.

⬡ CONSTRUCTION KEYED NOTES:

1 CONSTRUCT P.C.C. RAMP PER STD. DWG.# 2441. CASE NO. 2. LENGTH OF RAMPS MAY VARY AS NEEDED, SLOPE NOT TO EXCEED 12:1.

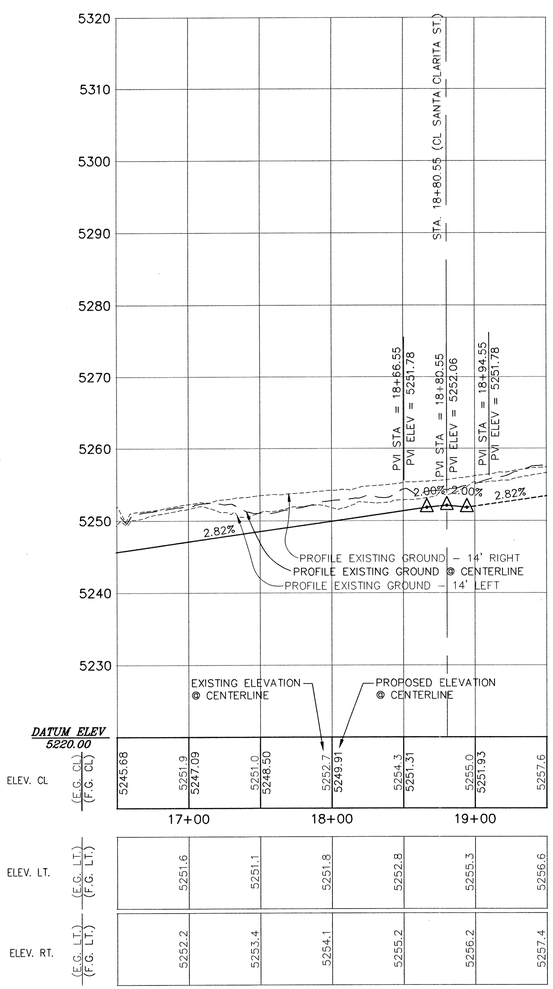
2 CONSTRUCT P.C.C. VALLEY GUTTER AND GUTTER AND CURB PER STD. DWG.# 2420, 6' WIDE WITH 1 1/2" INVERT DEPTH.

3 CROWN TO NO CROWN TRANSITION (50' LEN).

4 CROWN TO HALF CROWN TRANSITION (25' LEN).

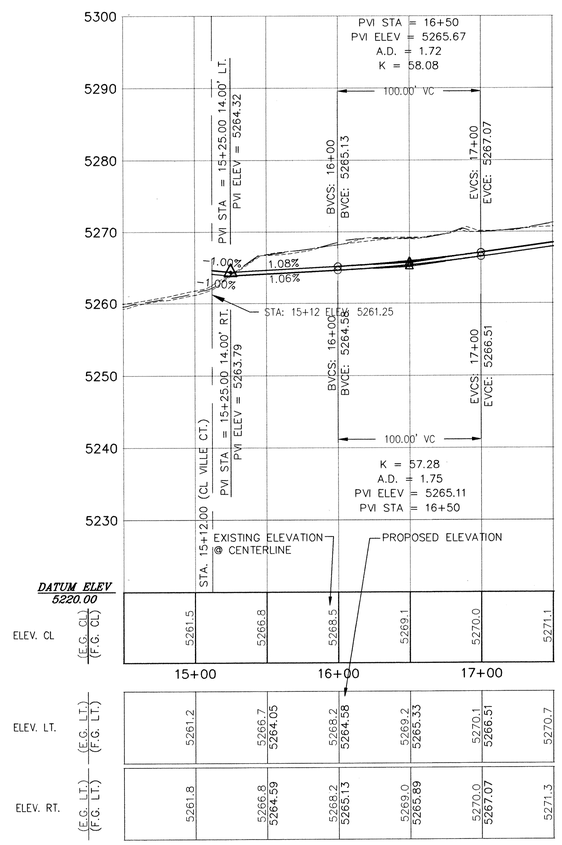
5 4' WIDE P.C.C. SIDEWALK (NOT IN THIS CONTRACT).

CARMEL AVE. N.E.



SCALE
HORIZ: 1"=50'
VERT: 1"=10'

LADRILLO PL. N.E.



LC3C_PP.DWG

AS BUILT INFORMATION

CONTRACTOR	N.E.J. CONCRETS	DATE 4-99
WORK STAKED BY	CON	DATE 4-99
ACCEPTANCE INSPECTION BY	CON	DATE 4-99
FIELD VERIFICATION BY	CON	DATE 4-99
DRAWINGS CORRECTED BY	T. BRN	DATE 4-99
MICRO-FILM INFORMATION		
RECORDED BY		DATE
NO.		

BENCH MARKS

ACS STA. No. 1-C19
Y=1518845.74
X=404941.91
Z=5318.195

SURVEY INFORMATION

NO.	BY	DATE
	FIELD NOTES	

ENGINEER'S SEAL

TERRY O. BROWN STATE OF NEW MEXICO 6407 PROFESSIONAL ENGINEER
Terry O. Brown
8/31/98

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
		DESIGNED BY: TOB	DATE: 07/98
		DRAWN BY: TOB	DATE: 07/98
		CHECKED BY: TOB	DATE: 07/98

REPRODUCTION ONLY

AS-BUILT

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

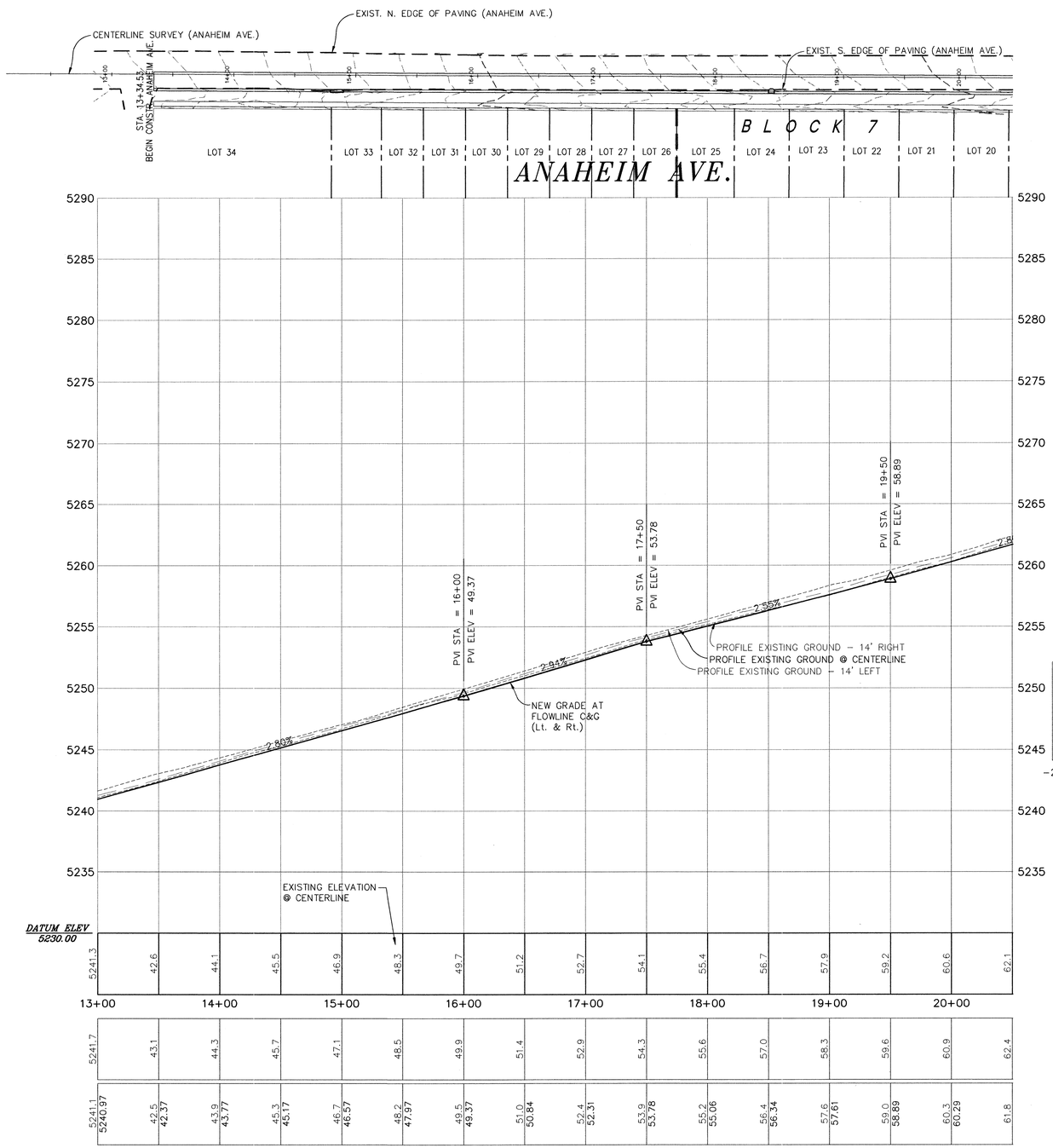
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

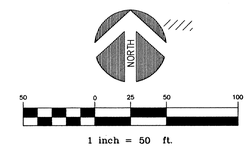
TITLE: LA CUEVA OESTE, UNIT 3c, PAVING PLAN AND PROFILE
CARMEL AVE. (Sta. 17+56.46 to Sta. 18+80.55)
LADRILLO PL. (Sta. 10+00.00 to Sta. 17+32.69)

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DESIGN REVIEW COMMITTEE				

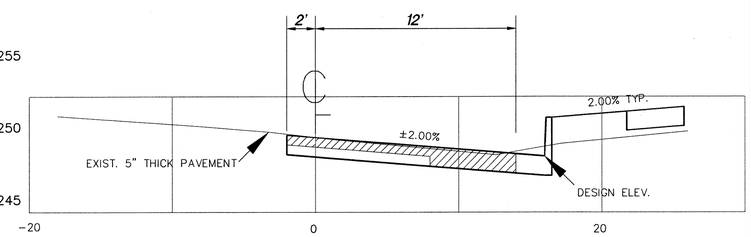
City Project No.	Zone Map No.	Sheet	Of
5232.94	C-18-Z	11	19

SCANNED BY MESA REPRO





SCALE
HORIZ: 1"=50'
VERT: 1"=5'



ANAHEIM AVE. TYPICAL SECTION

FOR INFORMATION ONLY

NOTES:

1. NEW ELEVATIONS SHOWN ARE FLOWLINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS APPLY TO THIS SHEET:
   - DWG 2401 – TYP. RES. STREET INTERS.
   - DWG 2405 – RESIDENTIAL STREET SECTION
   - DWG 2415 – CURB AND GUTTER
   - DWG 2418 – MOUNTABLE TO STANDARD CURB TRANSITION
   - DWG 2420 – CONCRETE VALLEY GUTTER
   - DWG 2430 – SIDEWALK DETAILS
   - DWG 2440 – WHEEL CHAIR RAMP
   - DWG 2441 – WHEEL CHAIR RAMP
   - DWG 2250 – REMOVABLE POSTS
3. SEE PLAT, SHEETS 2 & 3, FOR RIGHT OF WAY WIDTHS AND STREET CENTERLINE BEARING & DISTANCE INFORMATION.

CONSTRUCTION KEYED NOTES:

1 CONSTRUCT P.C.C. RAMP PER STD. DWG.# 2441. CASE NO. 2. LENGTH OF RAMPS MAY VARY AS NEEDED, SLOPE NOT TO EXCEED 12:1.

2 CONSTRUCT P.C.C. VALLEY GUTTER AND GUTTER AND CURB PER STD. DWG.# 2420, 6' WIDE WITH 1 1/2" INVERT DEPTH.

3 CROWN TO NO CROWN TRANSITION (50' LEN).

4 CROWN TO HALF CROWN TRANSITION (25' LEN).

5 4' WIDE P.C.C. SIDEWALK (NOT IN THIS CONTRACT).

AS BUILT INFORMATION
CONTRACTOR Mesa Construct DATE 4-98
WORK STAKED BY Cox DATE 4-98
INSPECTOR ACCEPTANCE BY Cox DATE 4-98
FIELD VERIFICATION BY Cox DATE 4-98
DRAWINGS CORRECTED BY Cox DATE 4-98
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS STA. No. 1-C19
Y=1518845.74
X=404941.91
Z=5318.195

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
TERRY O. BROWN NEW MEXICO 6407 REGISTERED PROFESSIONAL ENGINEER
8/31/98

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY: TOB DATE: 07/98
DRAWN BY: TOB DATE: 07/98
CHECKED BY: TOB DATE: 07/98

AS-BUILT

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LA CUEVA OESTE, UNIT 3c
PAVING PLAN AND PROFILE
ANAHEIM AVE. (Sta. 13+30.36 to Sta. 20+50.00)

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

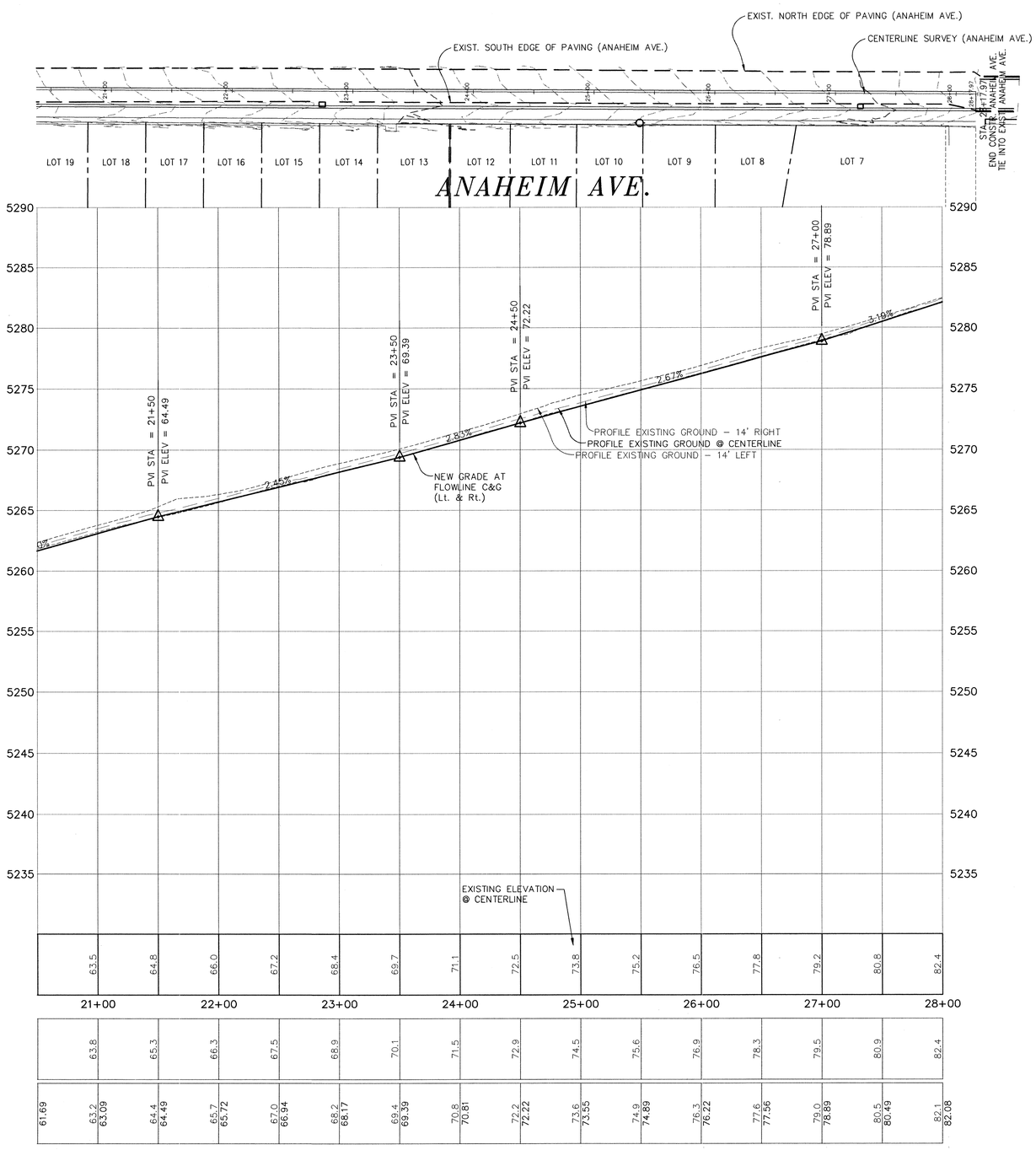
DESIGN REVIEW COMMITTEE

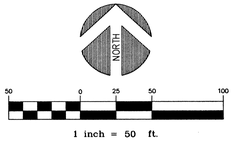
City Project No. 5232.94 | Zone Map No. C-18-Z | Sheet 12 Of 19

LC3C_PP.DWG

SCANNED BY MESA REPRO

SEE SHEET 12 OF 19 FOR ANAHEIM AVE. TYPICAL SECTION





SCALE
HORIZ: 1"=50'
VERT: 1"=5'

NOTES:

1. NEW ELEVATIONS SHOWN ARE FLOWLINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
2. THE FOLLOWING CITY OF ALBUQUERQUE STANDARD DETAIL DRAWINGS APPLY TO THIS SHEET:
   - DWG 2401 – TYP. RES. STREET INTERS.
   - DWG 2405 – RESIDENTIAL STREET SECTION
   - DWG 2415 – CURB AND GUTTER
   - DWG 2418 – MOUNTABLE TO STANDARD CURB TRANSITION
   - DWG 2420 – CONCRETE VALLEY GUTTER
   - DWG 2430 – SIDEWALK DETAILS
   - DWG 2440 – WHEEL CHAIR RAMP
   - DWG 2441 – WHEEL CHAIR RAMP
   - DWG 2250 – REMOVABLE POSTS
3. SEE PLAT, SHEETS 2 & 3, FOR RIGHT OF WAY WIDTHS AND STREET CENTERLINE BEARING & DISTANCE INFORMATION.

⬡ CONSTRUCTION KEYED NOTES:

1 CONSTRUCT P.C.C. SIDEWALK, 4" THICK, TRANSITIONS TO HANDICAP ACCESS RAMPS AND P.C.C. RAMP PER STD. DWG.# 2441. CASE NO. 2. LENGTH OF RAMPS MAY VARY AS NEEDED, SLOPE NOT TO EXCEED 12:1.

2 CONSTRUCT P.C.C. VALLEY GUTTER AND GUTTER AND CURB PER STD. DWG.# 2420, 6' WIDE WITH 1 1/2" INVERT DEPTH.

3 CROWN TO NO CROWN TRANSITION (50' LEN).

4 CROWN TO HALF CROWN TRANSITION (25' LEN).

5 4' WIDE P.C.C. SIDEWALK (NOT IN THIS CONTRACT).

AS BUILT INFORMATION
CONTRACTOR New Concepts DATE 4-99
WORK STAKED BY CoA DATE 4-99
INSPECTOR'S ACCEPTANCE BY CoA DATE 4-99
FIELD VERIFICATION BY CoA DATE 4-99
DRAWINGS CORRECTED BY T. Brown DATE 4-99
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS
ACS STA. No. 1-C19
Y=1518845.74
X=40941.91
Z=5318.195

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
TERRY O. BROWN STATE OF NEW MEXICO 4407 REGISTERED PROFESSIONAL ENGINEER
8/31/98

NO.	DATE	REMARKS	BY

REVISIONS

DESIGN
DESIGNED BY: TOB DATE: 07/98
DRAWN BY: TOB DATE: 07/98
CHECKED BY: TOB DATE: 07/98

FOR INFORMATION ONLY

AS-BUILT

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

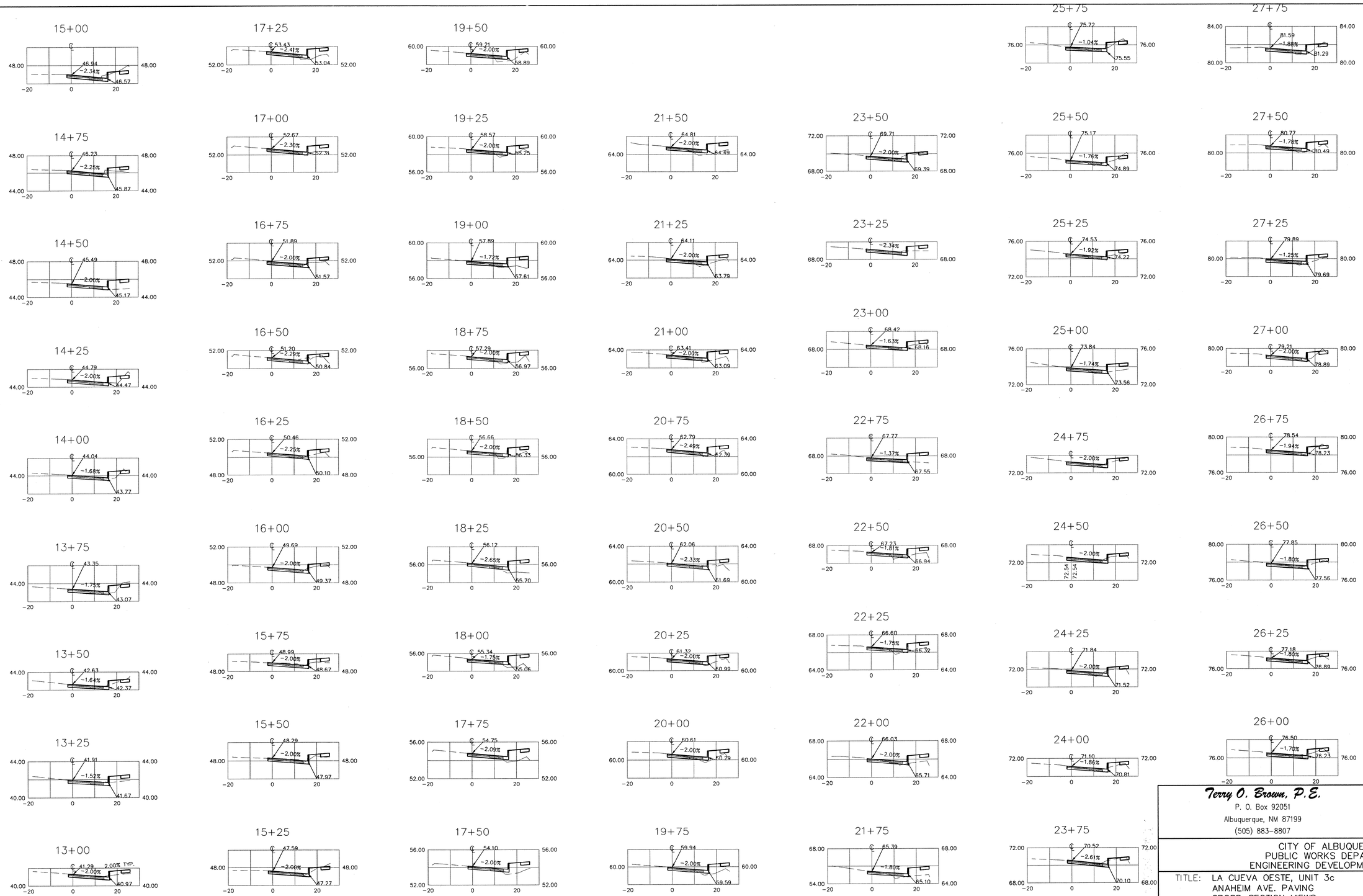
TITLE: LA CUEVA OESTE, UNIT 3c
PAVING PLAN AND PROFILE
ANAHEIM AVE. (Sta. 20+50.00 to Sta. 28+16.34)

Design Review Committee: APPROVED OCT – 6 1998 DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update Mo./Day/Yr. Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5232.94	C-18-Z	13	19

LC3C_PP.DWG

SCANNED BY MESA REPRO



FOR INFORMATION ONLY

SCALE:

1" = 20' HORIZ.

1" = 5' VERT.

AS BUILT INFORMATION

CONTRACTOR | DATE
WORK STAKED BY | DATE
INSPECTOR'S ACCEPTANCE | DATE
FIELD LOCATION BY | DATE
DRAWINGS CORRECTED BY | DATE

MICRO-FILM INFORMATION

RECORDED BY | DATE
NO.

BENCH MARKS

ACS STA. No. 1-C19
Y=1518845.74
X=404941.91
Z=5318.195

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

TERRY O. BROWN — STATE OF NEW MEXICO — 4607 — REGISTERED PROFESSIONAL ENGINEER

Terry O. Brown

8/31/98

REVISIONS

NO.	DATE	REMARKS	BY

DESIGN

DESIGNED: TOB DATE: 07/98
DRAWN BY: TOB DATE: 07/98
CHECKED BY: TOB DATE: 07/98

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LA CUEVA OESTE, UNIT 3c
ANAHEIM AVE. PAVING
CROSS-SECTION VIEWS

Design Review Committee — APPROVED — DESIGN REVIEW COMMITTEE

City Engineer Approval

Last Design Update | Mo./Day/Yr. | Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
5232.94	C-18-Z	14	19

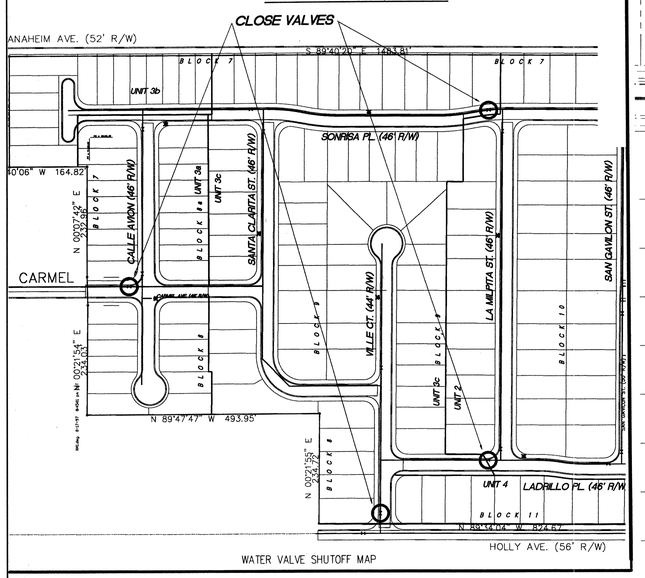
AS-BUILT

SCANNED BY MESA REPRO

The Contractor shall be responsible for timing and coordination of water shutoff. At least five (5) working days prior to construction, Contractor shall contact the Water Systems Division (857-8200) to initiate implementation of the non-pressurized connection plan. In order to complete this connection, the following four (4) valves must be closed by Water Systems Division personnel:

- Close valve located on Carmel Ave. west of Call Avion.
- Close valve located on Ville Ct. north of Holly Ave.
- Close Valve on Ladrillo Pl. west of La Milpita St.
- Close Valve on Sonrisa Pl. west of La Milpita St.

LA CUEVA OESTE, UNIT 3c



WATER VALVE SHUTOFF MAP

RESTRAINED JOINT LENGTHS Lr, FOR HORIZONTAL BENDS, VALVES, AND DEAD ENDS, (FT.)					
SIZE	HORIZONTAL BENDS				VALVES & DEAD ENDS
	90°	45°	22-1/2°	11-1/4°	
12	30	12	6	3	85
10	26	11	5	3	72
8	22	9	4	2	60
6	17	7	3	2	46
4	12	5	2	1	32

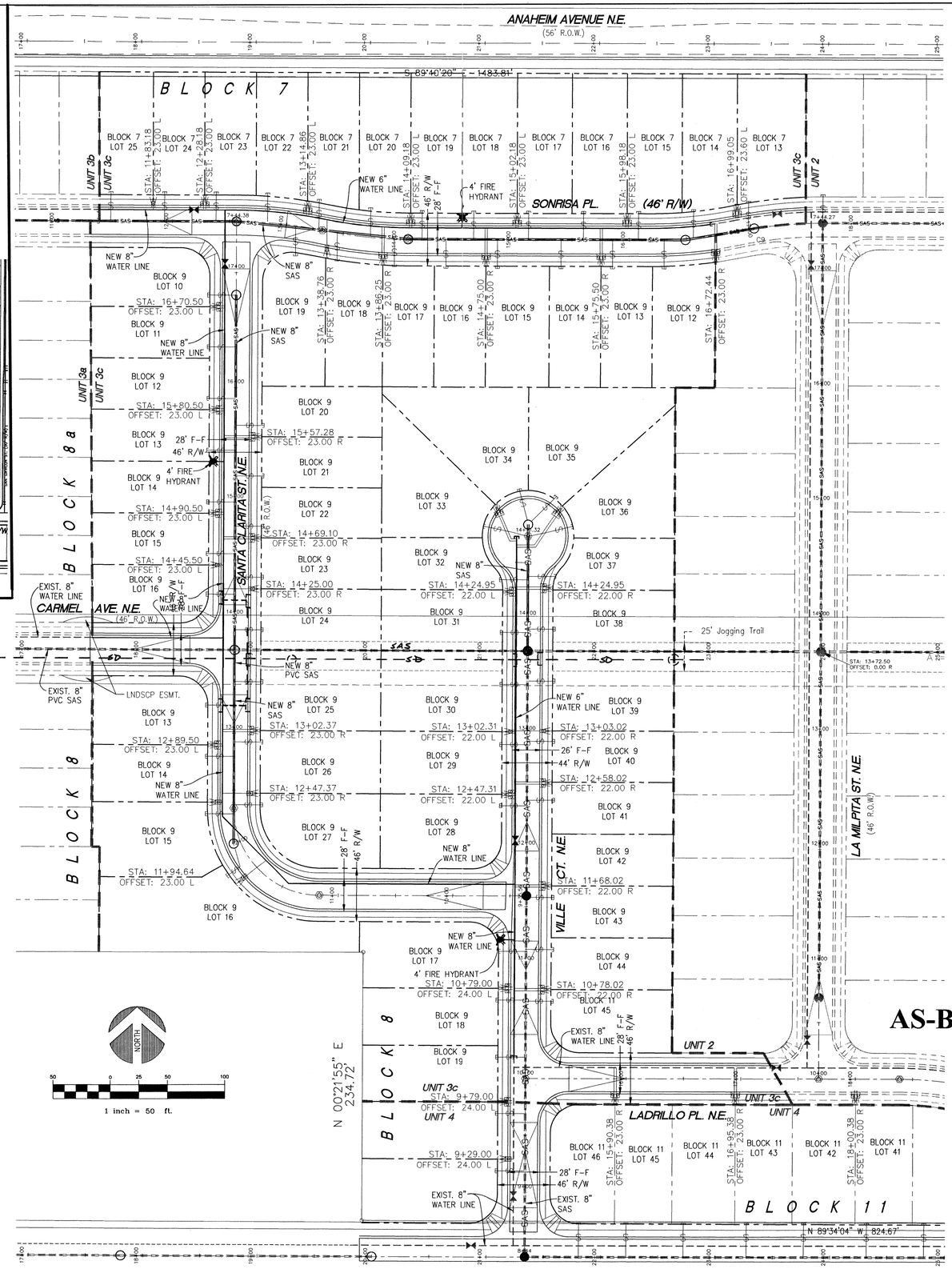
RESTRAINED JOINT LENGTHS, Lr, FOR REDUCERS, (FT.) MINIMUM, UNOBSTRUCTED, STRAIGHT-RUN LENGTH: RESTRAIN EITHER LARGE PIPE, OR SMALL PIPE.					
SIZE	LARGE SIDE	SMALL SIDE	SIZE	LARGE SIDE	SMALL SIDE
12 x 10	25	30	10 x 6	44	73
12 x 8	45	68	10 x 4	58	141
12 x 6	62	121	8 x 6	25	33
12 x 4	74	213	8 x 4	43	83
10 x 8	24	30	6 x 4	24	35

RESTRAINED JOINT LENGTHS Lr, FOR TEES, (FT.) ALL JOINTS AT THE TEE MUST BE RESTRAINED.				
	MINIMUM RUN LENGTH		MINIMUM RUN LENGTH	
SIZE	RUN	BRANCH	RUN	BRANCH
12x12x12	15	17	18	3
12x12x10	10	18	13	1
12x12x8	6	19	8	5
12x12x6	3	19	5	1
12x12x4	1	19	2	6
10x10x10	12	18	15	5
10x10x8	8	15	10	4
10x10x6	4	16	6	1
10x10x4	2	4	3	1
8x8x8	9	20	13	3
8x8x6	5	17	7	5
8x8x4	2	15	3	7
6x6x6	6	20	10	2
6x6x4	2	20	4	7

NOTE – THIS TABLE IS BASED UPON THE FOLLOWING CRITERIA:

DEPTH OF BURY	3.0 FT. MINIMUM
FACTOR OF SAFETY	1.25
MATERIAL	PVC PIPE
SOIL TYPE	GM/SM – SITLY GRAVELS & SILTY SANDS, GRAVEL-SAND-SILT MIXTURES.
TEST PRESSURE	150 PSI
TRENCH TYPE 4	PIPE BEDDED IN SAND, GRAVEL, OR CRUSHED STONE TO DEPTH OF 1/8 PIPE DIAMETER, 4 INCH MINIMUM; BACKFILL COMPACTED TO TOP OF PIPE

DIFFERENT CRITERIA, E.G., DUCTILE IRON PIPE, GREATER DEPTH OF BURY, ETC., WILL REQUIRE DIFFERENT RESTRAINED LENGTHS. THESE MUST BE CALCULATED BY A QUALIFIED PROFESSIONAL ENGINEER AND APPROVED BY THE PUBLIC WORKS DEPARTMENT.



LEGEND

NEW CURB & GUTTER	
NEW SAS MAINLINE	—SAS—
NEW SAS SERVICE LINE	
NEW SAS MANHOLE	
NEW WATER MAINLINE	—W—
NEW WATER SERVICE LINE	
NEW GATE VALVE	
NEW FIRE HYDRANT	
NEW STREET LIGHT	
NEW VALLEY GUTTER	

WATER AND SEWER NOTES

1. CONSTRUCT 4'ø TYPE "C" MANHOLES PER STD. DWG.# 2101.
2. CONSTRUCT SAS SERVICE LINES PER STD. DWG.# 2125.
3. CONSTRUCT ALL CONCRETE BLOCKING PER STD. DWG.# 2320.
4. CONSTRUCT ALL VALVE BOXES PER NEW C.O.A. VALVE BOX DETAIL WITH NON-TAPERED CONCRETE COLLAR.
5. CONSTRUCT ALL FIRE HYDRANTS PER DESIGNATED DEPTHS AND LENGTHS PER STD. DWG.# 2340.
6. CONSTRUCT ALL SINGLE AND DOUBLE WATER SERVICE LINES PER STD. DWG.# 2361, 2362 AND 2363.
7. *RESTRAINT DISTANCES FOR PIPE FITTINGS SHALL BE DEFINED BY TABLE ON THIS SHEET.
8. ALL WATERLINES SHALL BE C-900 PVC UNLESS OTHERWISE NOTED.
9. CONTRACTOR SHALL SUPPORT ALL EXISTING UNDERGROUND UTILITY LINES WHICH BECOME EXPOSED DURING CONSTRUCTION. PAYMENT FOR SUPPORTING WORK SHALL BE INCIDENTAL TO WATERLINE AND/OR SEWER LINE COSTS.
10. PROPOSED WATERLINE MATERIALS SHALL BE EITHER P.V.C. PIPE MEETING AWWA C-900 REQUIREMENTS (6"-12" DIA.) OR DUCTILE IRON PIPE, THICKNESS CLASS 50 (6"-16" DIA.).
11. EXISTING CURB AND GUTTER NOT CALLED OUT TO BE REMOVED UNDER THE CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
12. THE CONTRACTOR SHALL SUPPORT AND MAINTAIN THE INTEGRITY OF ALL UTILITIES AT NO ADDITIONAL COST TO THE OWNER. ANY UTILITY RELOCATION THAT IS NECESSARY IS TO BE COORDINATED WITH THE UTILITY OWNER AND SHALL BE PAID FOR AS OUTLINED IN THE SPECIAL PROVISIONS OF THE CONTRACT DOCUMENTS.
13. SAS SERVICE INV. AT PROPERTY LINE SHALL BE 4' MIN. BELOW FLOWLINE OF CURB. SAS SERVICES AT IDENTICAL STATIONS SHALL BE OFFSET 1.5' NORTH & SOUTH (OR EAST & WEST) AT TIE INTO MAIN
14. SEE THIS SHEET FOR SAS AND WATER SERVICE STATIONING INFORMATION.
15. PNM (PUBLIC SERVICE CO. OF NEW MEXICO) WILL PROVIDE AT NO COST TO THE CITY OR TO THE CONTRACTOR THE REQUIRED PERSONNEL FOR INSPECTION OR OBSERVATION DEEMED NECESSARY BY PNM WHILE THE CONTRACTOR IS EXPOSING PNM'S CABLES. HOWEVER, THEN CONTRACTOR SHALL BE CHARGED THE TOTAL COST ASSOCIATED WITH REPAIRS TO ANY DAMAGES CABLES OR FOR ANY COST ASSOCIATED WITH SUPPORTING OR RELOCATING THE POLES AND CABLES DURING CONSTRUCTION.

WATER VALVE SHUTOFF REQUIREMENTS:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION (857-8200) TO INITIATE IMPLEMENTATION OF THE NON-PRESSURIZED CONNECTION PLAN. IN ORDER TO COMPLETE THIS CONNECTION, THE FOLLOWING VALVES MUST BE CLOSED BY WATER SYSTEMS PERSONNEL:

1. CLOSE EXISTING WATER VALVE ON SONRISA PLACE JUST WEST OF LA MILPITA ST.
2. CLOSE EXISTING WATER VALVE ON SONRISA PLACE JUST WEST OF CALLE AVION.
3. CLOSE EXISTING WATER VALVE ON CALLE AVION JUST SOUTH OF SONRISA PLACE.
4. CLOSE EXISTING WATER VALVE ON LADRILLO PLACE JUST WEST OF LA MILPITA ST.
5. CLOSE EXISTING WATER VALVE ON HOLLY AVE. JUST WEST OF LOUISIANA BLVD.

(SEE WATER VALVE SHUTOFF MAP – THIS SHEET.

AS-BUILT

FOR INFORMATION ONLY

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LA CUEVA OESTE, UNIT 3c
UTILITY MASTER PLAN & UTILITY TABLES

AS BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

MICRO-FILM INFORMATION

RECORDED BY	DATE
NO.	

BENCH MARKS

NO.	DATE	ACS STA. No. 1-C19
		Y=1518845.74
		X=404941.91
		Z=5318.195

SURVEY INFORMATION

FIELD NOTES

NO.	BY

ENGINEER'S SEAL

TERRY O. BROWN STATE OF NEW MEXICO 4607 REGISTERED PROFESSIONAL ENGINEER

8/31/98

REVISIONS

NO.	DATE	REMARKS	BY

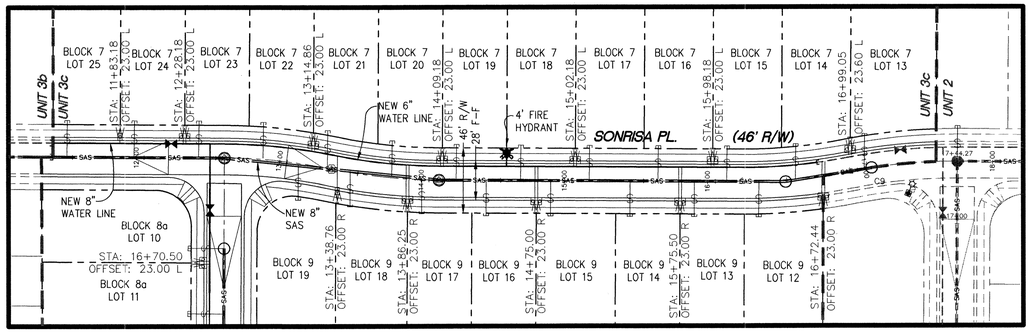
DESIGN	DATE: 07/98	DESIGNED BY: TOB
	DATE: 07/98	DRAWN BY: TOB
	DATE: 07/98	CHECKED BY: TOB

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

City Project No.	Zone Map No.	Sheet	Of
5232.94	C-18-Z	15	19

LC3CMPLN.DWG

SCANNED BY MESA REPRO



SEE SHEET 17
FOR CONTINUATION

SANITARY SEWER SERVICE TABLE - LA CUEVA OESTE, UNIT 3c

Block 7

Lot No.	Street	SAS Serv Sta.	Offset to PL	Elev. FL Curb	Elev. SAS Inv. @ PL
13	SONRISA PL.	17+08.60	23' Lt.	5263.69	5259.69
14	SONRISA PL.	16+58.64	23' Lt.	5262.49	5258.49
15	SONRISA PL.	16+08.17	23' Lt.	5261.29	5257.29
16	SONRISA PL.	15+60.17	23' Lt.	5260.14	5256.14
17	SONRISA PL.	15+12.17	23' Lt.	5259.00	5255.00
19	SONRISA PL.	14+64.17	23' Lt.	5257.85	5253.85
20	SONRISA PL.	14+19.19	23' Lt.	5256.78	5252.78
21	SONRISA PL.	13+71.99	23' Lt.	5255.66	5251.66
22	SONRISA PL.	13+24.39	23' Lt.	5254.52	5250.52
23	SONRISA PL.	12+81.63	23' Lt.	5253.50	5249.50
24	SONRISA PL.	12+38.16	23' Lt.	5252.46	5248.46
25	SONRISA PL.	11+93.16	23' Lt.	5251.39	5247.39
26	SONRISA PL.	11+46.19	23' Lt.	5250.27	5246.27

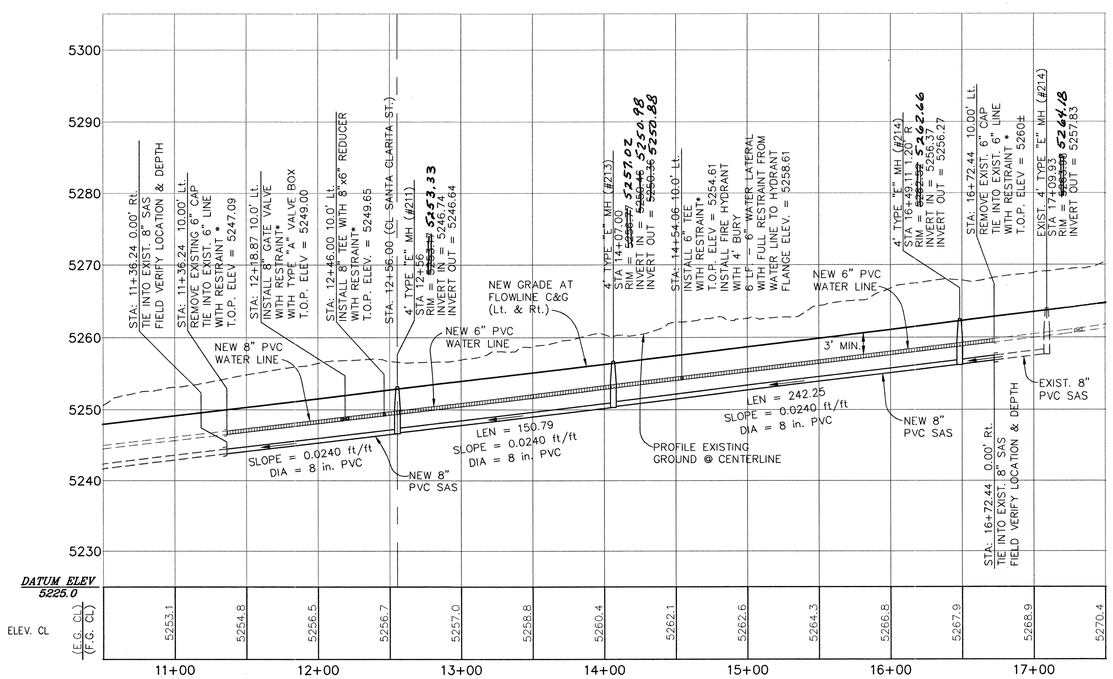
SANITARY SEWER SERVICE TABLE - LA CUEVA OESTE, UNIT 3c

Block 9

Lot No.	Street	SAS Serv Sta.	Offset to PL	Elev. FL Curb	Elev. SAS Inv. @ PL
12	SONRISA PL.	16+29.84	23' Lt.	5261.81	5257.81
13	SONRISA PL.	15+85.50	23' Lt.	5260.75	5256.75
14	SONRISA PL.	15+40.50	23' Lt.	5259.68	5255.68
15	SONRISA PL.	14+85.00	23' Lt.	5258.35	5254.35
16	SONRISA PL.	14+40.00	23' Lt.	5257.28	5253.28
17	SONRISA PL.	13+95.69	23' Lt.	5256.22	5252.22
18	SONRISA PL.	13+48.29	23' Lt.	5255.09	5251.09
19	SONRISA PL.	13+11.16	23' Lt.	5254.20	5250.20

TYPICALLY, SAS SERVICE FL SHOULD BE 4 FEET BELOW FL OF GUTTER AT PROPERTY LINE.

SONRISA PL. N.E.



SCALE
HORIZ: 1"=50'
VERT: 1"=10'

LEGEND

- NEW CURB & GUTTER
- NEW SAS MAINLINE
- NEW SAS SERVICE LINE
- NEW SAS MANHOLE
- NEW WATER MAINLINE
- NEW WATER SERVICE LINE
- NEW GATE VALVE
- NEW FIRE HYDRANT
- NEW STREET LIGHT
- NEW VALLEY GUTTER

WATER AND SEWER NOTES

1. CONSTRUCT 4'ø TYPE "E" MANHOLES PER STD. DWG.# 2102.
2. CONSTRUCT SAS SERVICE LINES PER STD. DWG.# 2125.
3. CONSTRUCT ALL CONCRETE BLOCKING PER STD. DWG.# 2320. CONCRETE BLOCKING SHALL BE UTILIZED ONLY WHERE SPECIFICALLY CALLED OUT ON PLAN.
4. CONSTRUCT ALL VALVE BOXES PER NEW C.O.A. VALVE BOX DETAIL WITH NON-TAPERED CONCRETE COLLAR.
5. CONSTRUCT ALL FIRE HYDRANTS PER DESIGNATED DEPTHS AND LENGTHS PER STD. DWG.# 2340. USE FULL RESTRAINT ON FIRE HYDRANT LEGS FROM MAIN TO FIRE HYDRANT FLANGE.
6. CONSTRUCT ALL SINGLE AND DOUBLE WATER SERVICE LINES PER STD. DWG.# 2361, 2362 AND 2363.
7. SEE SHEET 9 FOR SAS AND WATER SERVICE INFORMATION.

*8. RESTRAINT DISTANCES FOR PIPE FITTINGS SHALL BE DEFINED BY TABLE ON SHEET 9.

9. ALL WATERLINES SHALL BE C-900 PVC UNLESS OTHERWISE NOTED.

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

BENCH MARKS
ACS STA. No. 1-C19
Y=1518845.74
X=404941.91
Z=5318.195

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

ENGINEER'S SEAL
Terry O. Brown
NEW MEXICO
8/31/98

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN
DESIGNED BY: TOB DATE: 07/98
DRAWN BY: TOB DATE: 07/98
CHECKED BY: TOB DATE: 07/98

FOR INFORMATION ONLY

AS-BUILT

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

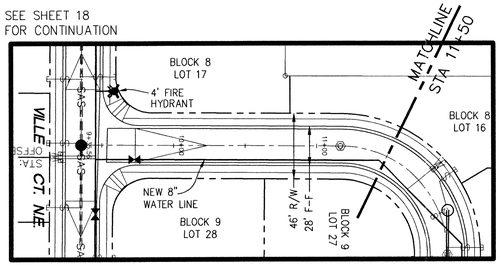
TITLE: LA CUEVA OESTE, UNIT 3c
UTILITY PLAN AND PROFILE
SONRISA PL. N.E. (Sta. 11+28.27 to Sta. 17+55.18)

Design Review Committee — APPROVED — DESIGN REVIEW COMMITTEE
City Engineer Approval
Last Design Update — Mo./Day/Yr. — Mo./Day/Yr.

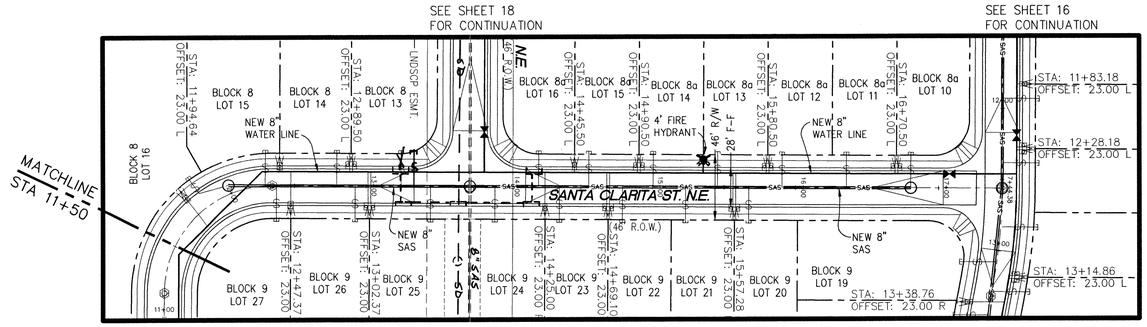
City Project No. 5232.94 | Zone Map No. C-18-Z | Sheet 16 Of 19

LC3C_UPP.DWG

SCANNED BY MESA REPRO



1 inch = 50 ft.



1 inch = 50 ft.

LEGEND

- NEW CURB & GUTTER
- NEW SAS MAINLINE
- NEW SAS SERVICE LINE
- NEW SAS MANHOLE
- NEW WATER MAINLINE
- NEW WATER SERVICE LINE
- NEW GATE VALVE
- NEW FIRE HYDRANT
- NEW STREET LIGHT
- NEW VALLEY GUTTER

WATER AND SEWER NOTES

1. CONSTRUCT 4'ø TYPE "E" MANHOLES PER STD. DWG.# 2102.
2. CONSTRUCT SAS SERVICE LINES PER STD. DWG.# 2125.
3. CONSTRUCT ALL CONCRETE BLOCKING PER STD. DWG.# 2320. CONCRETE BLOCKING SHALL BE UTILIZED ONLY WHERE SPECIFICALLY CALLED OUT ON PLAN.
4. CONSTRUCT ALL VALVE BOXES PER NEW C.O.A. VALVE BOX DETAIL WITH NON-TAPERED CONCRETE COLLAR.
5. CONSTRUCT ALL FIRE HYDRANTS PER DESIGNATED DEPTHS AND LENGTHS PER STD. DWG.# 2340. USE FULL RESTRAINT ON FIRE HYDRANT LEGS FROM MAIN TO FIRE HYDRANT FLANGE.
6. CONSTRUCT ALL SINGLE AND DOUBLE WATER SERVICE LINES PER STD. DWG.# 2361, 2362 AND 2363.
7. SEE SHEET 9 FOR SAS AND WATER SERVICE INFORMATION.

*8. RESTRAINT DISTANCES FOR PIPE FITTINGS SHALL BE DEFINED BY TABLE ON SHEET 9.

9. ALL WATERLINES SHALL BE C-900 PVC UNLESS OTHERWISE NOTED.

SANITARY SEWER SERVICE TABLE - LA CUEVA OESTE, UNIT 3c

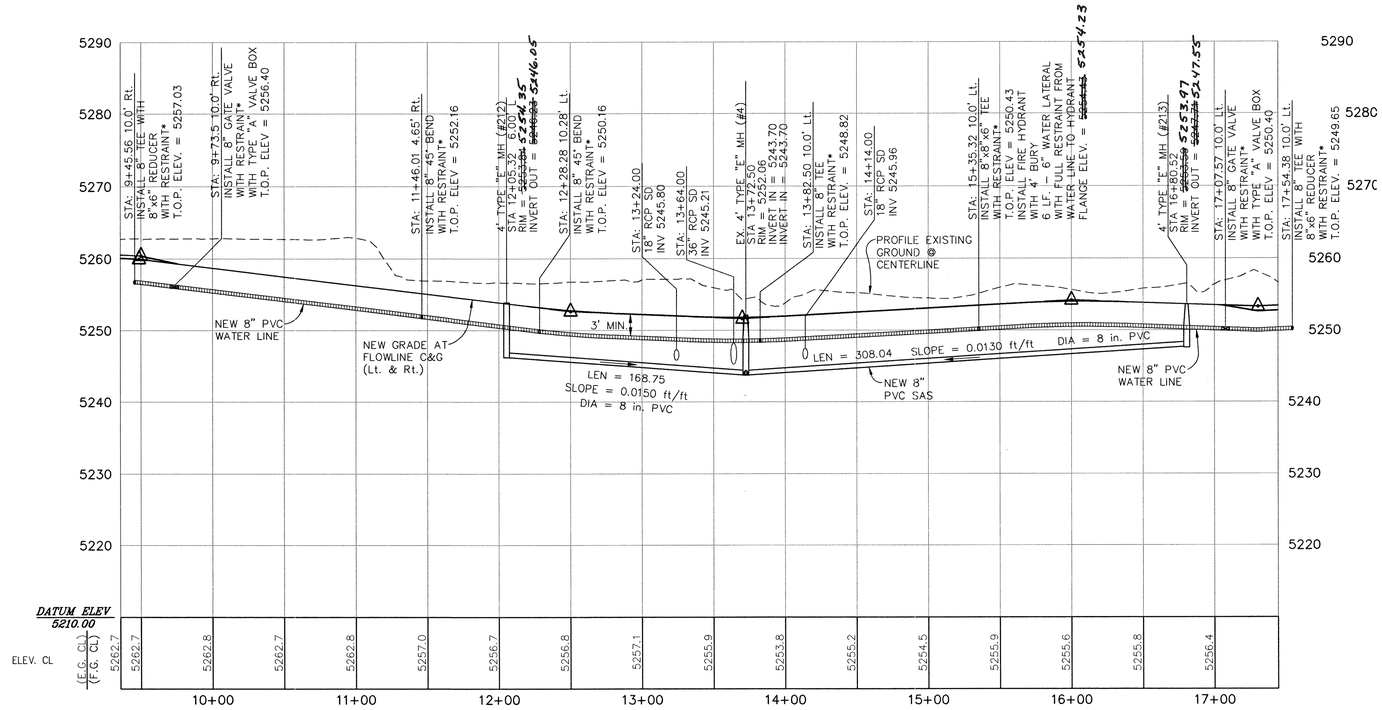
Lot No.	Street	SAS Serv Sta.	Offset to PL	Elev. FL Curb	Elev. SAS Inv. @ PL
Block 8					
13	SANTA CLARITA ST.	13+14.50	23' Lt.	5251.99	5247.99
14	SANTA CLARITA ST.	12+79.51	23' Lt.	5252.37	5248.37
15	SANTA CLARITA ST.	12+30.65	23' Lt.	5253.10	5249.10
16	SANTA CLARITA ST.	11+79.30	23' Lt.	5254.35	5250.35
Block 8a					
10	SANTA CLARITA ST.	16+80.51	23' Lt.	5253.59	5249.59
11	SANTA CLARITA ST.	16+35.51	23' Lt.	5253.90	5249.90
12	SANTA CLARITA ST.	15+90.51	23' Lt.	5253.95	5249.95
13	SANTA CLARITA ST.	15+45.51	23' Lt.	5253.55	5249.55
14	SANTA CLARITA ST.	15+00.51	23' Lt.	5253.05	5249.05
15	SANTA CLARITA ST.	14+55.50	23' Lt.	5252.55	5248.55
16	SANTA CLARITA ST.	14+20.50	23' Lt.	5252.16	5248.16

SANITARY SEWER SERVICE TABLE - LA CUEVA OESTE, UNIT 3c

Lot No.	Street	SAS Serv Sta.	Offset to PL	Elev. FL Curb	Elev. SAS Inv. @ PL
Block 9					
20	SANTA CLARITA ST.	15+67.28	23' Rt.	5253.78	5249.78
21	SANTA CLARITA ST.	15+23.19	23' Rt.	5253.30	5249.30
22	SANTA CLARITA ST.	14+79.10	23' Rt.	5252.81	5248.81
23	SANTA CLARITA ST.	14+35.00	23' Rt.	5252.32	5248.32
24	SANTA CLARITA ST.	13+90.00	23' Rt.	5251.86	5247.86
25	SANTA CLARITA ST.	13+45.00	23' Rt.	5251.83	5247.83
26	SANTA CLARITA ST.	12+92.37	23' Rt.	5252.26	5248.26
27	SANTA CLARITA ST.	12+37.37	23' Rt.	5252.97	5248.97

TYPICALLY, SAS SERVICE FL SHOULD BE 4 FEET BELOW FL OF GUTTER AT PROPERTY LINE.

SANTA CLARITA ST. N.E.



SCALE
HORIZ: 1"=50'
VERT: 1"=10'

SCANNED BY
MESA REPRO

LC3C_UPP.DWG

AS BUILT INFORMATION

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

BENCH MARKS

ACS STA. No. 1-C19	
Y=1518845.74	
X=404941.91	
Z=5318.195	

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

Terry O. Brown
6407
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER
8/31/98

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY: TOB DATE: 07/98
DRAWN BY: TOB DATE: 07/98
CHECKED BY: TOB DATE: 07/98

FOR INFORMATION ONLY

AS-BUILT

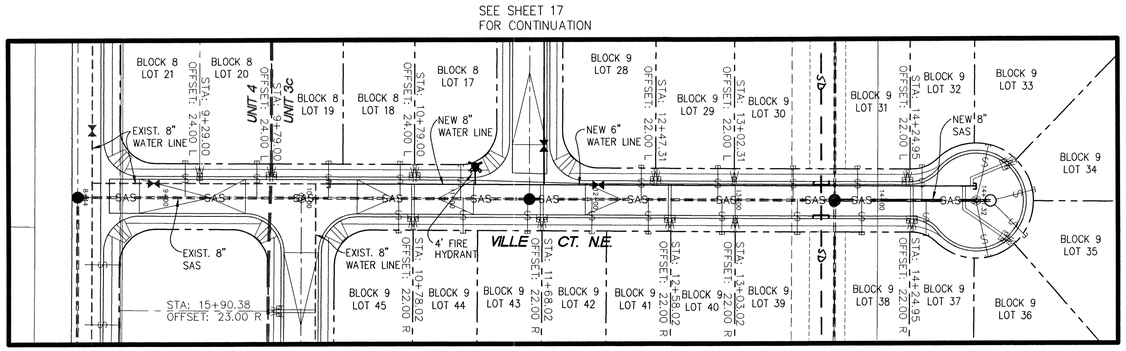
Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

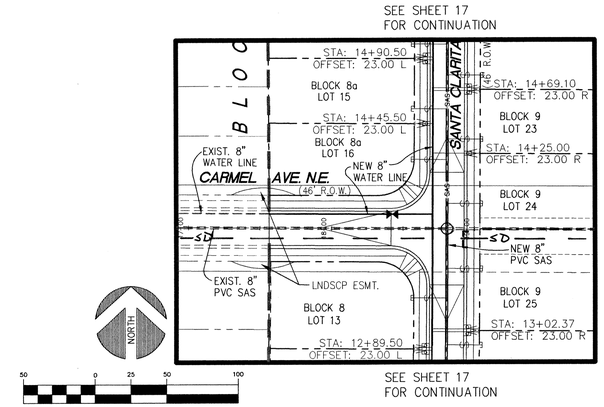
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LA CUEVA OESTE, UNIT 3c
UTILITY PLAN AND PROFILE
SANTA CLARITA ST. N.E. (Sta. 9+35.56 to Sta. 17+44.38)

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED 07-6-98 DESIGN REVIEW COMMITTEE				

City Project No.	Zone Map No.	Sheet	Of
5232.94	C-18-Z	17	19





LEGEND

- NEW CURB & GUTTER
- NEW SAS MAINLINE
- NEW SAS SERVICE LINE
- NEW SAS MANHOLE
- NEW WATER MAINLINE
- NEW WATER SERVICE LINE
- NEW GATE VALVE
- NEW FIRE HYDRANT
- NEW STREET LIGHT
- NEW VALLEY GUTTER

WATER AND SEWER NOTES

1. CONSTRUCT 4'ø TYPE "E" MANHOLES PER STD. DWG.# 2102.
2. CONSTRUCT SAS SERVICE LINES PER STD. DWG.# 2125.
3. CONSTRUCT ALL CONCRETE BLOCKING PER STD. DWG.# 2320. CONCRETE BLOCKING SHALL BE UTILIZED ONLY WHERE SPECIFICALLY CALLED OUT ON PLAN.
4. CONSTRUCT ALL VALVE BOXES PER NEW C.O.A. VALVE BOX DETAIL WITH NON-TAPERED CONCRETE COLLAR.
5. CONSTRUCT ALL FIRE HYDRANTS PER DESIGNATED DEPTHS AND LENGTHS PER STD. DWG.# 2340. USE FULL RESTRAINT ON FIRE HYDRANT LEGS FROM MAIN TO FIRE HYDRANT FLANGE.
6. CONSTRUCT ALL SINGLE AND DOUBLE WATER SERVICE LINES PER STD. DWG.# 2361, 2362 AND 2363.
7. SEE SHEET 9 FOR SAS AND WATER SERVICE INFORMATION.

*8. RESTRAINT DISTANCES FOR PIPE FITTINGS SHALL BE DEFINED BY TABLE ON SHEET 9.

9. ALL WATERLINES SHALL BE C-900 PVC UNLESS OTHERWISE NOTED.

SANITARY SEWER SERVICE TABLE - LA CUEVA OESTE, UNIT 3c

Lot No.	Street	SAS Serv Sta.	Offset to PL	Elev. FL Curb	Elev. SAS Inv. @ PL
Block 8					
17	VILLE CT.	11+11. 33	24' Lt.	5261. 24	5257. 24
18	VILLE CT.	10+69. 00	24' Lt.	5262. 36	5258. 36
19	VILLE CT.	10+19. 00	24' Lt.	5263. 67	5259. 67
20	VILLE CT.	9+69. 00	24' Lt.	5264. 52	5260. 52
21	VILLE CT.	9+19. 00	24' Lt.	5264. 61	5260. 61
Block 9					
28	VILLE CT.	12+37. 31	22' Lt.	5259. 33	5255. 33
29	VILLE CT.	12+90. 81	22' Lt.	5258. 79	5254. 79
30	VILLE CT.	13+43. 45	22' Lt.	5258. 28	5254. 28
31	VILLE CT.	13+88. 45	22' Lt.	5258. 27	5254. 27
32	VILLE CT.	14+33. 50	23' Lt.	5258. 82	5254. 82
33	VILLE CT.	N/A	N/A	N/A	5255. 00
34	VILLE CT.	N/A	N/A	N/A	5255. 00

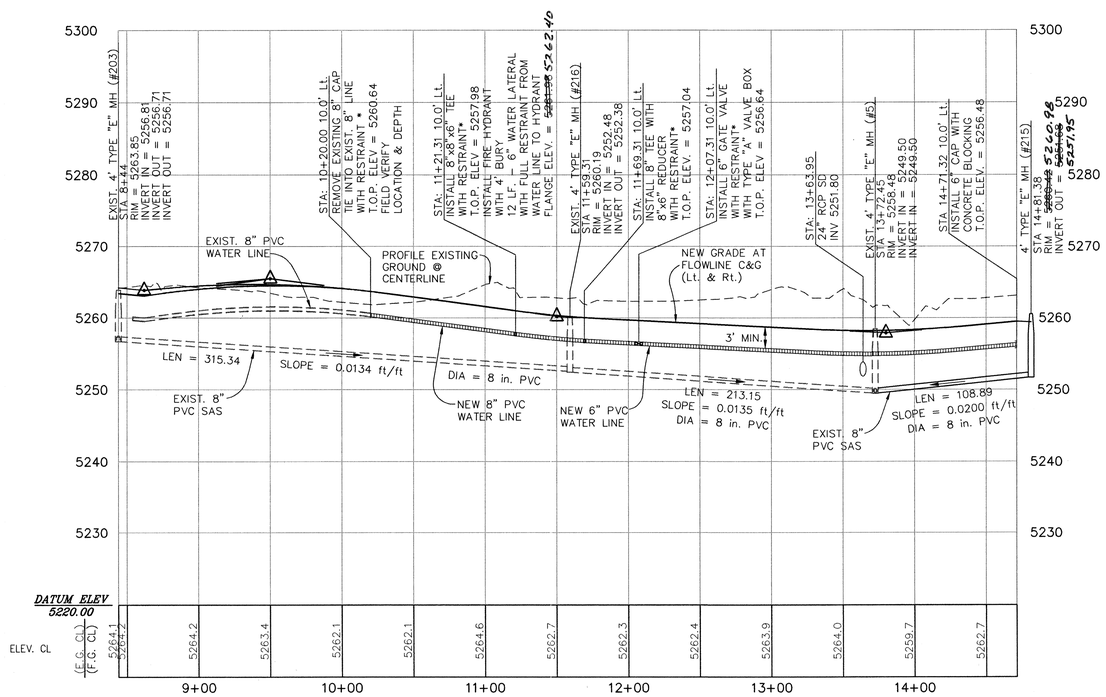
SANITARY SEWER SERVICE TABLE - LA CUEVA OESTE, UNIT 3c

Lot No.	Street	SAS Serv Sta.	Offset to PL	Elev. FL Curb	Elev. SAS Inv. @ PL
Block 9					
35	VILLE CT.	N/A	N/A	N/A	5255. 00
36	VILLE CT.	N/A	N/A	N/A	5255. 00
37	VILLE CT.	14+36. 45	24. 3' Lt.	5258. 87	5254. 87
38	VILLE CT.	13+91. 45	22' Lt.	5258. 29	5254. 29
39	VILLE CT.	13+46. 45	22' Lt.	5258. 26	5254. 26
40	VILLE CT.	12+93. 81	22' Lt.	5258. 76	5254. 76
41	VILLE CT.	12+42. 31	22' Lt.	5259. 28	5255. 28
42	VILLE CT.	12+01. 14	22' Lt.	5259. 70	5255. 70
43	VILLE CT.	11+58. 02	22' Lt.	5260. 21	5256. 21
44	VILLE CT.	11+13. 02	22' Lt.	5261. 20	5257. 20
45	VILLE CT.	10+68. 02	22' Lt.	5262. 39	5258. 39

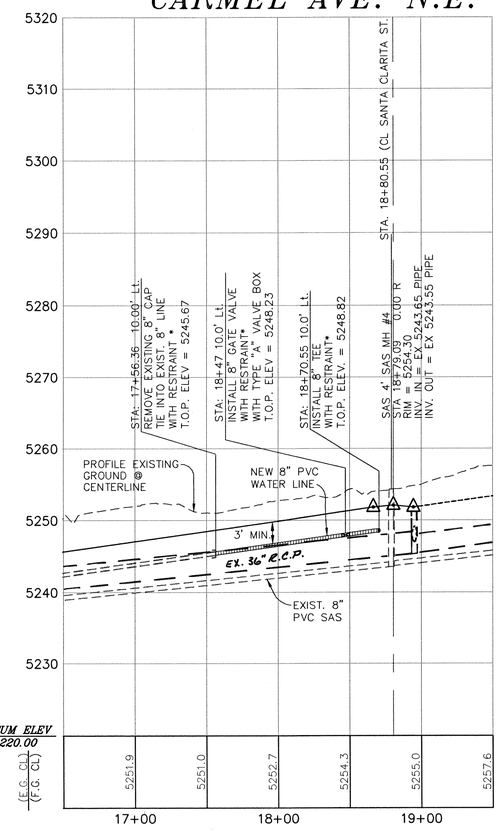
TYPICALLY, SAS SERVICE FL SHOULD BE 4 FEET BELOW FL OF GUTTER AT PROPERTY LINE.

SCALE
HORIZ: 1"=50'
VERT: 1"=10'

VILLE CT. N.E.



CARMEL AVE. N.E.



LC3C_UPP.DWG

SCANNED BY MESA REPRO

AS BUILT INFORMATION

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

BENCH MARKS

ACS STA. No. 1-C19	
Y=1518845.74	
X=40941.91	
Z=5318.195	

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

TERRY O. BROWN NEW MEXICO 5307 REGISTERED PROFESSIONAL ENGINEER

Terry O. Brown 8/31/98

NO.	DATE	REMARKS	BY
		REVISIONS	

DESIGN

DESIGNED BY: TOB DATE: 07/98
DRAWN BY: TOB DATE: 07/98
CHECKED BY: TOB DATE: 07/98

FOR INFORMATION ONLY

AS-BUILT

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

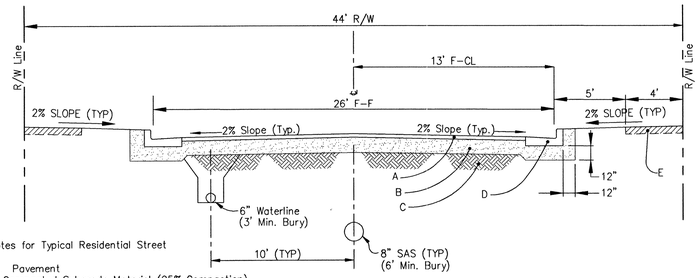
TITLE: LA CUEVA OESTE, UNIT 3c, UTILITY PLAN AND PROFILE
VILLE CT. N.E. (Sta. 8+44.00 to Sta. 14+71.32)
CARMEL AVE. (Sta. 17+56.46 to Sta. 18+80.55)

Design Review Committee: APPROVED DESIGN REVIEW COMMITTEE

City Engineer Approval

Last Design Update: Mo./Day/Yr. Mo./Day/Yr.

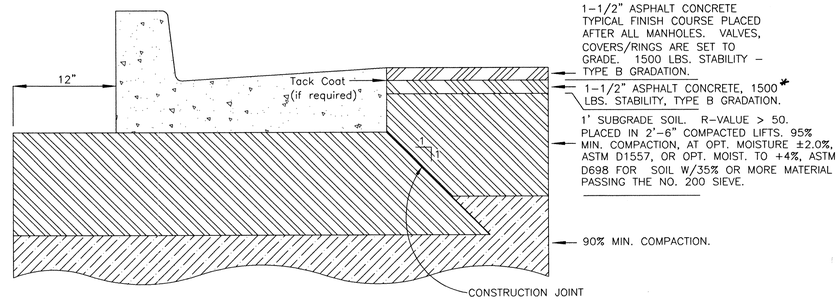
City Project No.	Zone Map No.	Sheet	Of
5232.94	C-18-Z	18	19



Detail Notes for Typical Residential Street

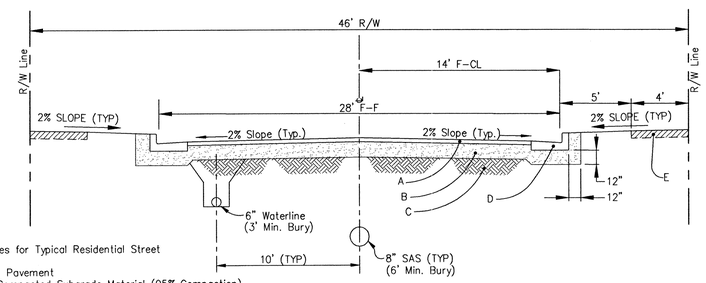
A – A.C. Pavement
B – 12" Compacted Subgrade Material (95% Compaction)
C – Compacted Subgrade (90% Compaction)
D – P.C.C. Standard Curb & Gutter per std. dwg. 2415
E – 4" Thick by 4' Wide P.C.C. Sidewalk per std. dwg. 2430

Section A-A (26' F-F STREET WIDTH)



Typical Residential Street Pavement Section (Asphaltic Concrete Pavement) C.O.A. STD. DWG # 2405

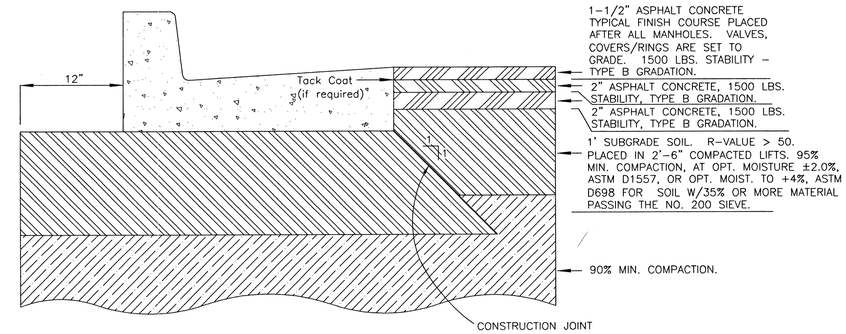
* DUE TO EXISTING R-VALUES OF LESS THAN 50 FOUND ON THIS PROJECT, ALL RESIDENTIAL STREETS IN THIS DEVELOPMENT ***SOUTH OF SONRISA PL.*** SHALL BE CONSTRUCTED WITH TWO (2) - 1-1/2" LIFTS FOR ASPHALT BASE COURSE (TOTAL ASPHALT PAVING SHALL BE 4-1/2" THICK).



Detail Notes for Typical Residential Street

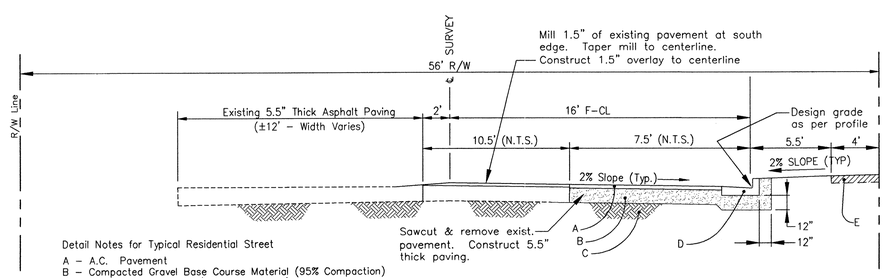
A – A.C. Pavement
B – 12" Compacted Subgrade Material (95% Compaction)
C – Compacted Subgrade (90% Compaction)
D – P.C.C. Standard Curb & Gutter per std. dwg. 2415
E – 4" Thick by 4' Wide P.C.C. Sidewalk per std. dwg. 2430

Section B-B (28' F-F STREET WIDTH)



Residential Paving Section for Anaheim Ave. (Asphaltic Concrete Pavement)

(N~~OT IN CONTRAC~~T)



Detail Notes for Typical Residential Street

A – A.C. Pavement
B – Compacted Gravel Base Course Material (95% Compaction)
C – Compacted Subgrade (95% Compaction)
D – P.C.C. Standard Curb & Gutter per std. dwg. 2415
E – 4" Thick by 4' Wide P.C.C. Sidewalk per std. dwg. 2430

Section C-C (ANAHEIM)

SCANNED BY MESA REPRO

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

BENCH MARKS
ACS STA. No. 1-C19
Y=1518845.74
X=404941.91
Z=5318.195

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
TERRY O. BROWN STATE OF NEW MEXICO 6857 REGISTERED PROFESSIONAL ENGINEER
8/31/98

NO.	DATE	REMARKS	BY

REVISIONS
DESIGN
DESIGNED BY: TOB DATE: 07/98
DRAWN BY: TOB DATE: 07/98
CHECKED BY: TOB DATE: 07/98

FOR INFORMATION ONLY

AS-BUILT

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

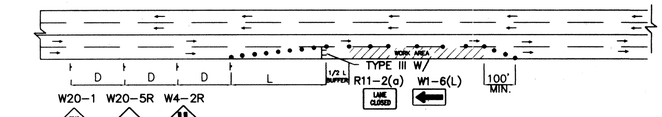
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LA CUEVA OESTE, UNIT 3c
STREET DETAILS

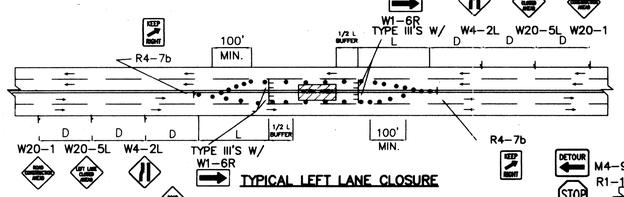
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED DESIGN REVIEW COMMITTEE				

City Project No.	Zone Map No.	Sheet	Of
5232.94	C-18-Z	19	19

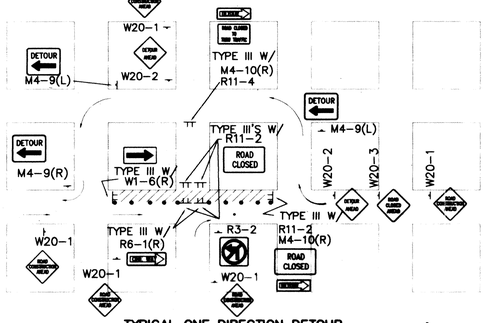
LC3C_DET.DWG



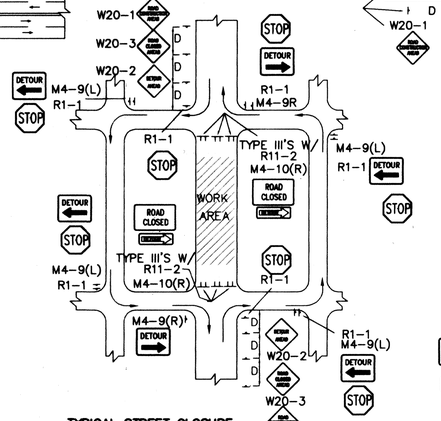
TYPICAL RIGHT LANE CLOSURE



TYPICAL LEFT LANE CLOSURE



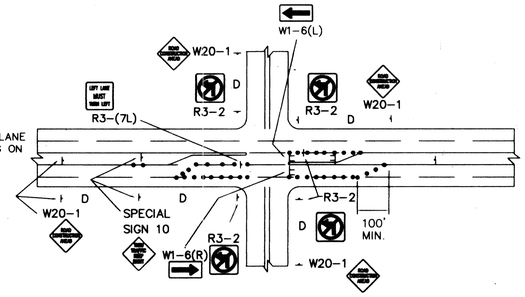
TYPICAL ONE DIRECTION DETOUR



TYPICAL STREET CLOSURE

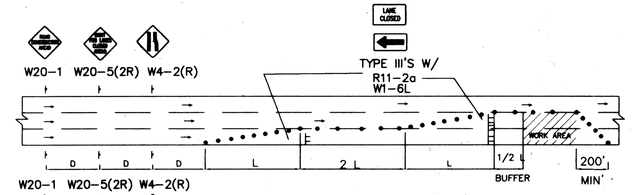
NOTE: (R1-1) BASED ON FIELD CONDITIONS.

NOTE:
MAY REQUIRE LEFT LANE CLOSURE DEPENDING ON FIELD CONDITIONS.

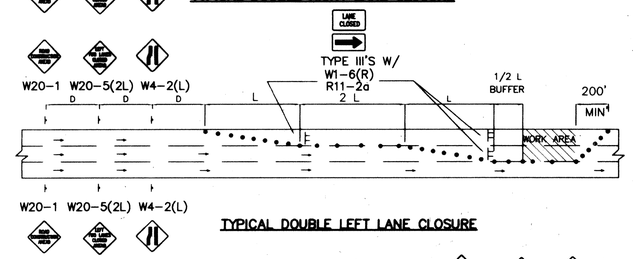


TYPICAL LANE CLOSURE AT INTERSECTION

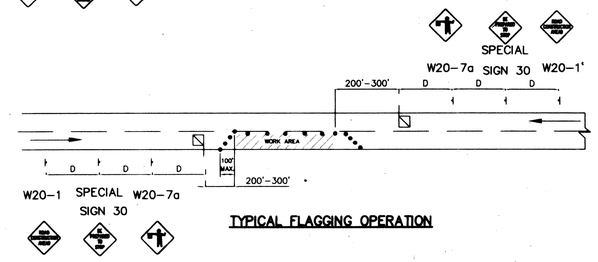
NOTE: DEPENDING ON WORK ZONE LOCATION



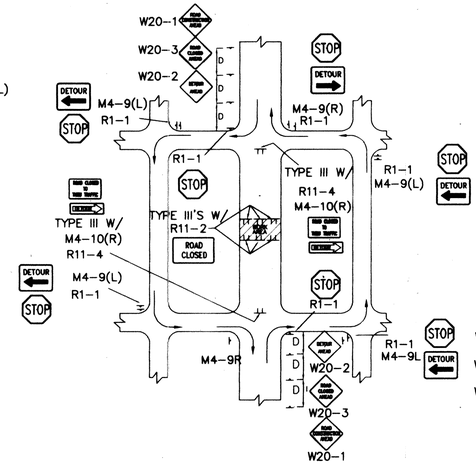
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE

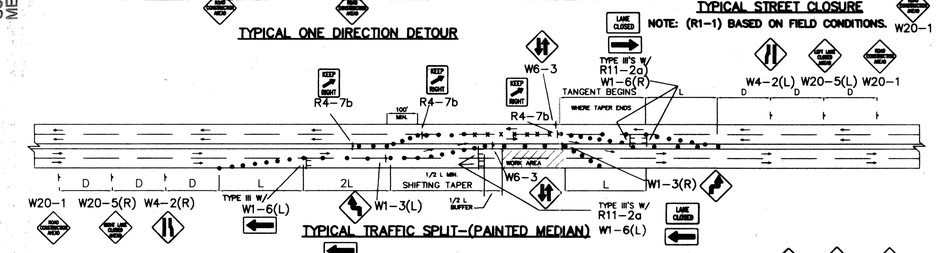


TYPICAL FLAGGING OPERATION

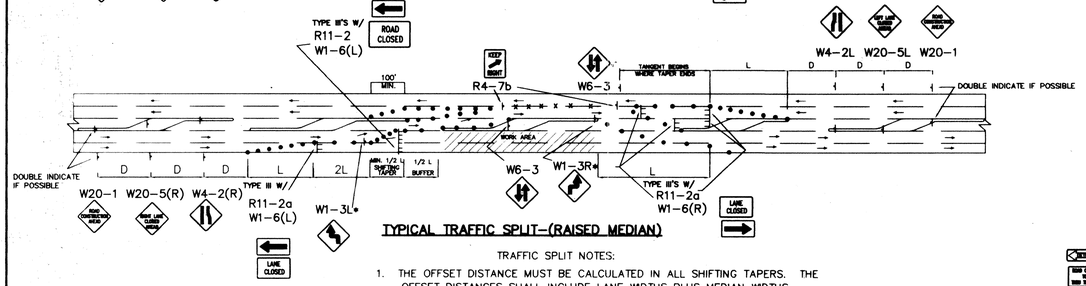


TYPICAL MID-BLOCK CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



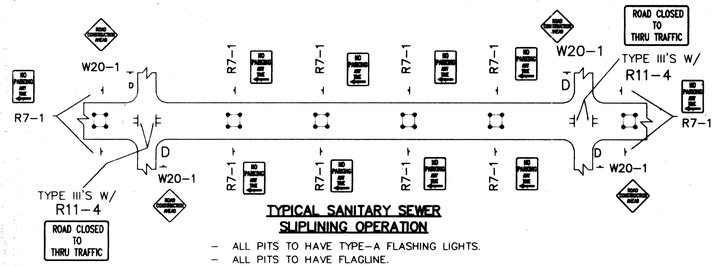
TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
5. REDUCED SPEED MAY BE CONSIDERED.
6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.



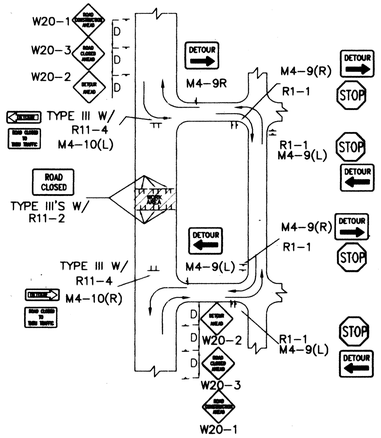
TYPICAL SANITARY SEWER SLIPLINING OPERATION

- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.
- ALL PITS TO HAVE FLAGLINE.

GENERAL NOTE:

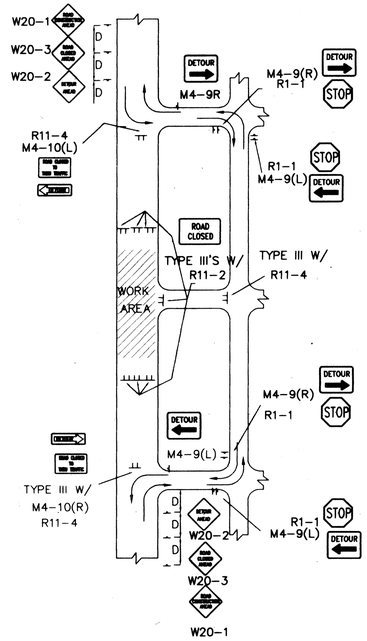
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT. ⚠



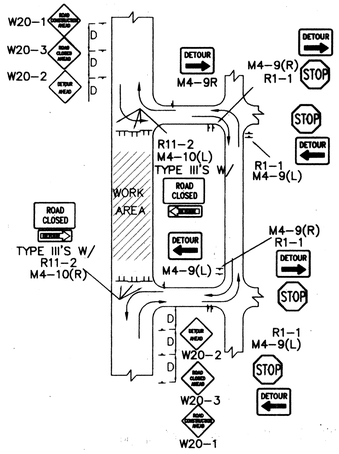
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.



TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS.

AS-BUILT

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)**

DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR.	MO./DAY/YR.
COA Standard				

PROJECT NO.	MAP NO.	SHEET	OF
5232.94	C-18	19a	19

NO.	DATE	REMARKS	BY
1	9/24/97	REVISED GENERAL NOTE	J.D.L.

REVISIONS

DESIGN
DESIGNED BY C.O.A. STANDARDS DATE
DRAWN BY DATE
CHECKED BY DATE

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

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
RUFUS B. ROJAS
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

SCANNED BY MESA REPRO.

FOR INFORMATION ONLY

CTCSTN02.DWG

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

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. (1)

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. (2) 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.

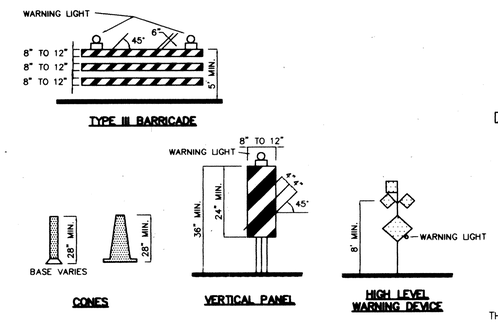
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S 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 HEIGTH AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D. (3)

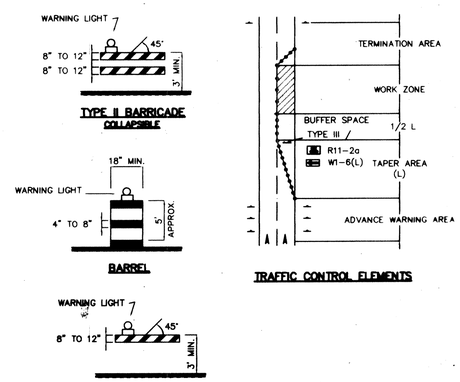
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY. (4)



LEGEND

- 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.



TAPER REQUIREMENTS

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	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

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

TAPER CRITERIA

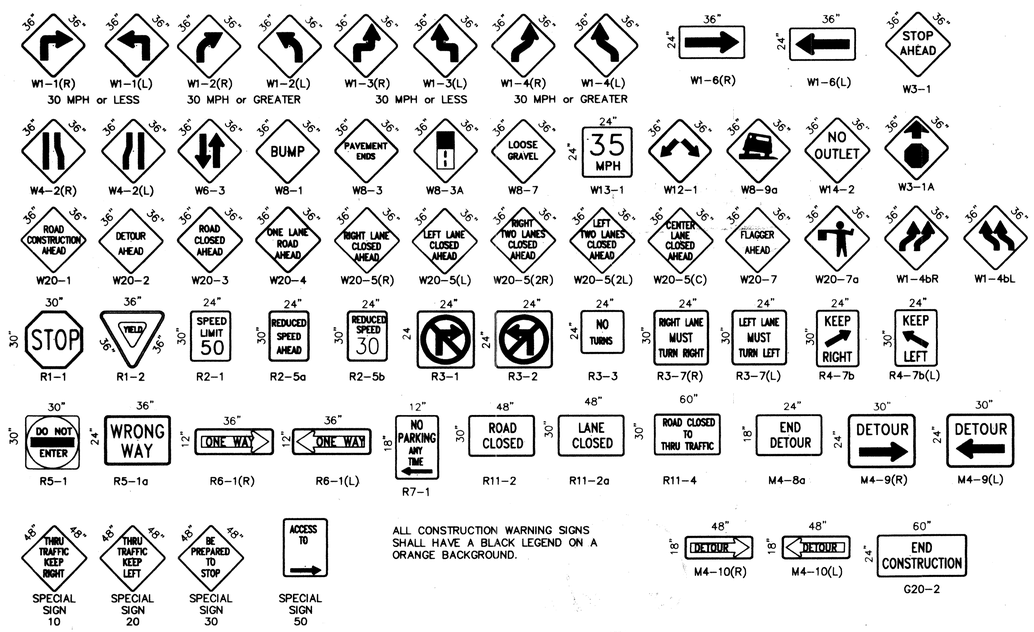
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED 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

SIGN FACE DETAILS



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

FOR INFORMATION ONLY

AS-BUILT

NO.	DATE	REMARKS	BY
4	9/25/97	ADD NOTE NO. 27	J.D.L.
3	9/24/97	REVISED NOTE NO. 26	J.D.L.
2	9/24/97	REVISED NOTE NO. 19	J.D.L.
1	9/24/97	REVISED NOTE NO. 11	J.D.L.

REVISIONS

DESIGN

DESIGNED BY DATE
DRAWN BY C.O.A. STANDARDS DATE
CHECKED BY DATE

AS BUILT INFORMATION
CONTRACTOR DATE
WORK STAKED BY DATE
INSPECTOR'S NOTICE TO PROCEED DATE
WORK CHANGES MADE IN FIELD BY DATE
DRAWINGS CORRECTED BY DATE
MICRO-FILM INFORMATION
RECORDED BY DATE
NO.

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL

BLAND D. ROYBAL
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE:
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

DESIGN REVIEW COMMITEE	CITY ENGINEER APPROVAL	LAST UPDATE	MO./DAY/YR.	MO./DAY/YR.
CDA Standard				

PROJECT NO. 5232.94 | MAP NO. C-18 | SHEET 19b OF 19

SCANNED BY MESA REPRO

CESTNDT.DWG