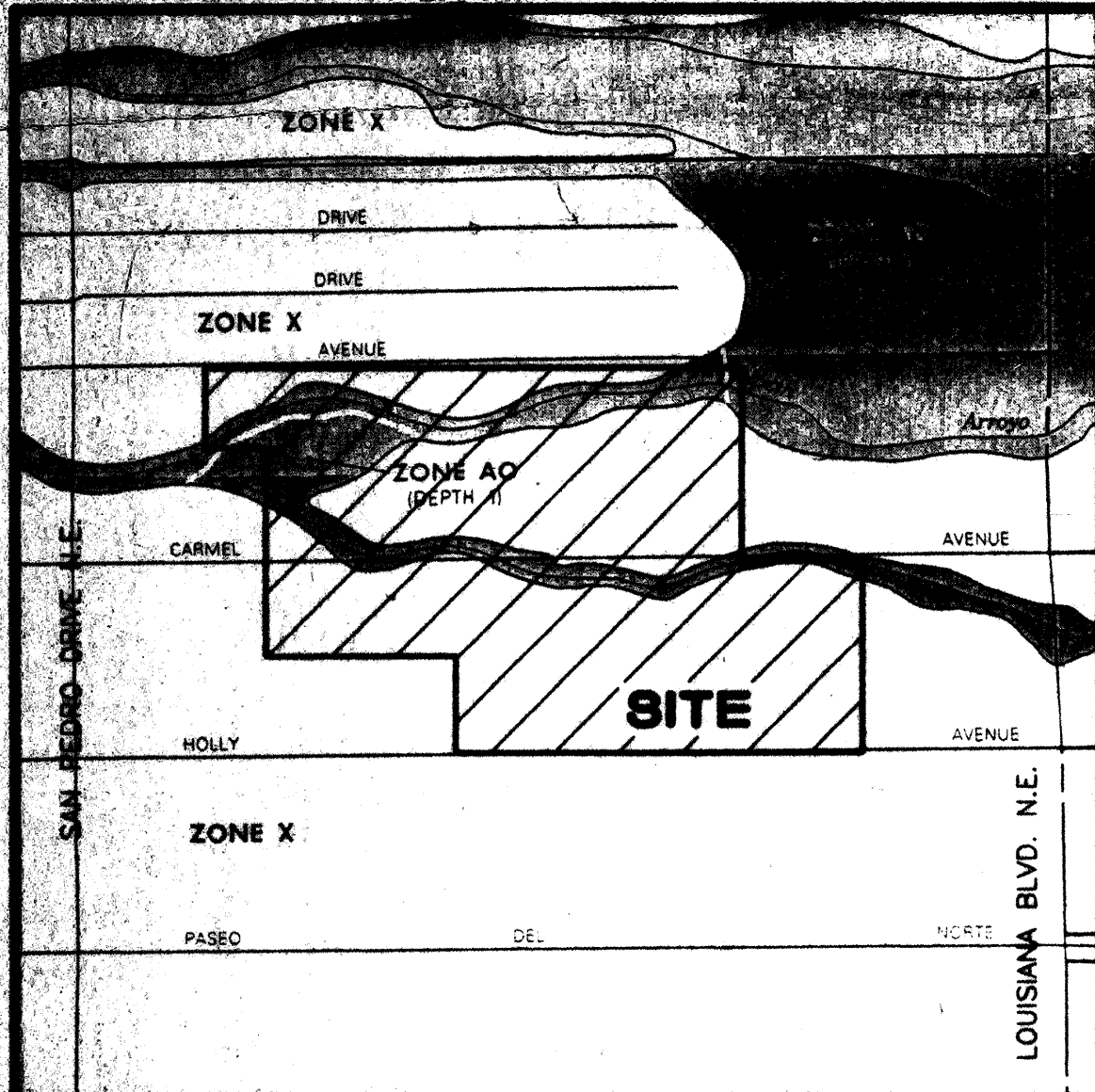






F.I.R.M. MAP

SCALE: 1" = 500'

PANEL 137 OF 825

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

- (A) FOUND REBAR W/CAP STAMPED "LS 10042", TAGGED W/WASHER STAMPED "NMPS 11184"
- (B) FOUND #5 REBAR (NO I.D.), TAGGED WITH WASHER STAMPED "NMPS 11184"
- (C) FOUND REBAR W/CAP (NO I.D.), TAGGED WITH WASHER STAMPED "NMPS 11184"
- (D) FOUND REBAR W/CAP STAMPED "NEW MEXICO PS 11184"
- (E) 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:

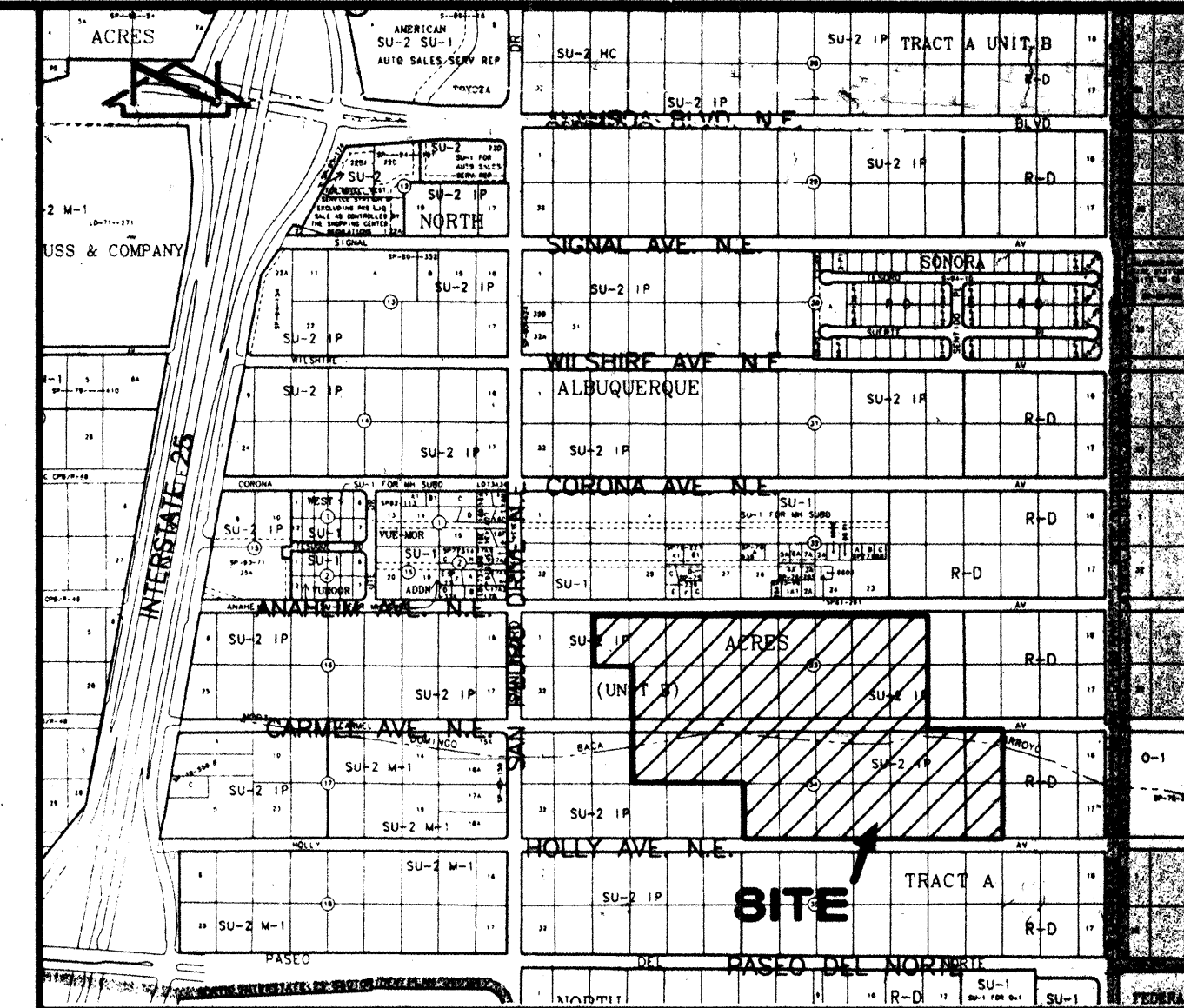
1. A boundary survey was performed in April, 1997 to determine the perimeter of the property to be platted. Property corners were found or set as indicated.
2. All distances are ground distances.
3. Site located within projected Section 13, Township 11 North, Range 3 East, N.M.P.M.
4. Bearings shown 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 "P" 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:

Neil C. L...
City Surveyor, City of Albuquerque

052297
Date

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

SCALE: 1" = 750'

C-18

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 00°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 58°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°39'31" 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	88°20'43"
C38	355.72'	19.10'	19.10'	N 80°27'28" 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'	S 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

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.
Charles G. Cala, Jr., NMPS 11184



5-21-1997

Date

Sheet

of

14

2

14

JOB NO.

961193

DATE

05-1997

SHEET

1 OF 2



JEFF MORTENSEN & ASSOCIATES, INC.
6000-B MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (505) 345-4250

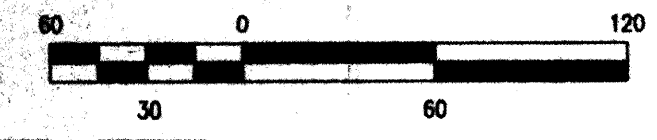
PRELIMINARY MASTER PLAN PLAT

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

DESIGNED BY	T.D.B.	NO.	DATE	BY	REVISIONS	JOB NO.
SURVEYED BY	R.J.E.					961193
DRAWN BY	T.M.T.					DATE
APPROVED BY	C.G.C.					05-1997
						SHEET
						1 OF 2

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

SCALE: 1" = 60'



ANAHEIM AVENUE N.E.

1483.83'

SONRISA PL. N.E.

SONRISA PL. N.E.

CALLE AVON N.E.

SANTA CLARITA ST. N.E.

VILLE CT. N.E.

LA MILPITA ST. N.E.

SAN CAVILON ST. N.E.

CARMEL AVENUE N.E.

EL MODESTO CT. N.E.

LADRILLO PL. N.E.

HOLLY AVENUE N.E.

AS-BUILT

3 of 14

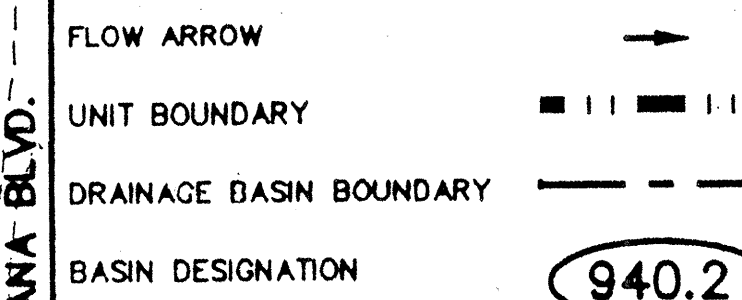
PRELIMINARY MASTER PLAN PLAT

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



JOHN MORTENSEN & ASSOCIATES, INC.
6800 S. MIDWAY PARK BLVD. N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (C505) 249-4250

DESIGNED BY	T.O.B.	DATE		BY		REVISIONS		JOB NO.	961198
SURVEYED BY	R.J.E.	DATE		BY		REVISIONS		DATE	05-1997
DRAWN BY	T.A.T.	DATE		BY		REVISIONS		SHEET	2
APPROVED BY	C.G.C.	DATE		BY		REVISIONS			



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, 8/94 D.Rep.
7. FOR HOLLY STORM DRAIN, SEE Exhibit 6, 8/94 D.Rep.
8. EXISTING UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY.
9. INTERIM POND DETAILS, SEE SHT. 23b.

Resource Technology, Inc.
ENGINEERS AND ENVIRONMENTAL SCIENTISTS
CIVIL • ENVIRONMENTAL • WATER RESOURCES • RECREATION • PLANNING
1730-B Randolph Rd. SE, Albuquerque, NM 87108
(808) 243-7300

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	Update	Mo./Day/Yr.
-------------------------	------------------------	--------	-------------

Approved: DRB

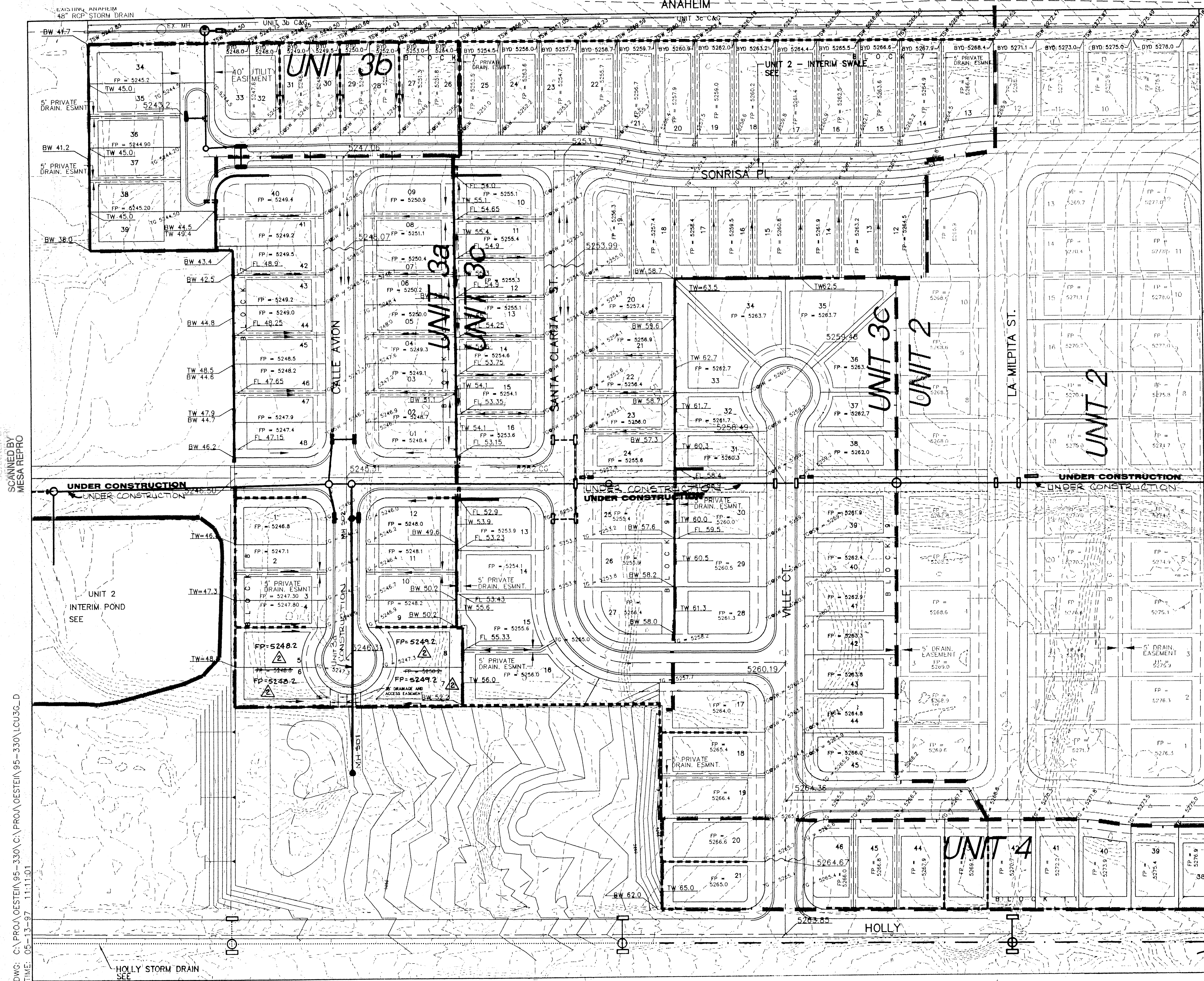
City Project No.	5232 213	Zone Map No.	6-18	Sheet
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[illegible]

EXHIBIT 2A (REVISED)

=FOR INFORMATION ONLY=

AS-BUILT



AS-BUILT

Resource Technology, Inc.
ENGINEERS AND ENVIRONMENTAL SCIENTISTS
CIVIL, ENVIRONMENTAL, WATER RESOURCES, RECREATION, PLANNING
1720-B Holladay Rd. NE, Albuquerque, NM 87108
(505) 243-7300

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

Approved @ DRB

City Project No. **5232.913** Zone Map No. **C-18** Sheet **5** of **14**

LEGEND

- SPOT ELEVATION
- GARDEN WALL
- RETAINING WALL
- EXISTING CONTOUR
- DRAINAGE EASEMENT
- TG OR F.G.
- FINISHED PAD ELEV.
- TOP OF WALL ELEV.
- BOTTOM OF WALL ELEV.
- TOP OF SIDEWALK ELEV.
- BACKYARD ELEV. ● FENCE
- FLOWLINE ELEV.
- 100-YR. FLOODPLAIN
- PROPOSED LOT LINE
- SIDEWALK CULVERT

NOTES:

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

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEERS SEAL	
CONTRACTOR	DATE	NO.	BY	NO.	BY	NO.	BY
NEW CONSTRUCTION	6/09						
STAKED BY	DATE						
ADJUSTED BY	DATE						
FIELD CHECKED BY	DATE						
DRAWN BY	DATE						
CHECKED BY	DATE						
RECORDED BY	DATE						
NO.							

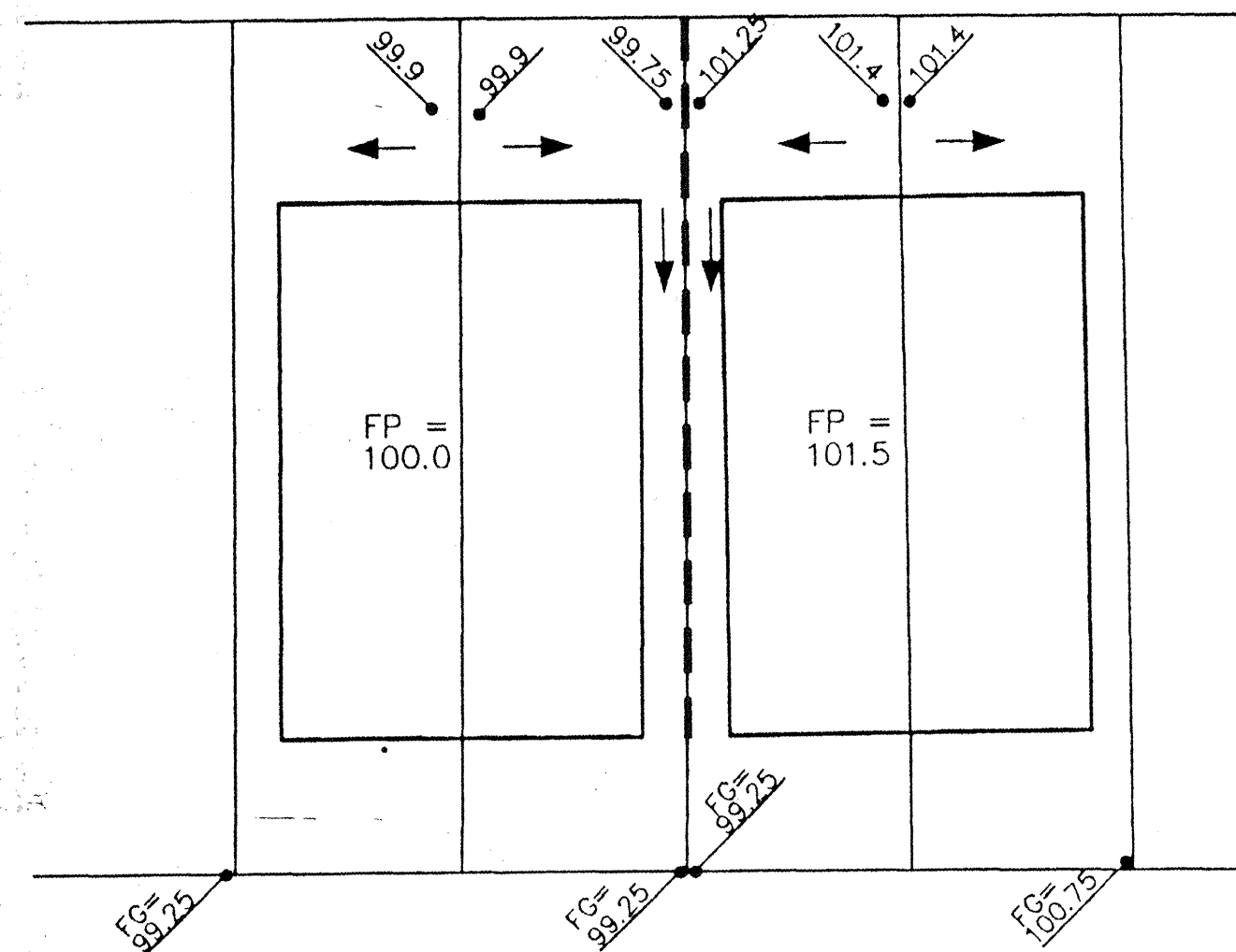
REVISIONS

NO.	DATE	REMARKS
1	AUG. 1996	DESIGN
2	AUG. 1996	PMT
3	AUG. 1996	DSO

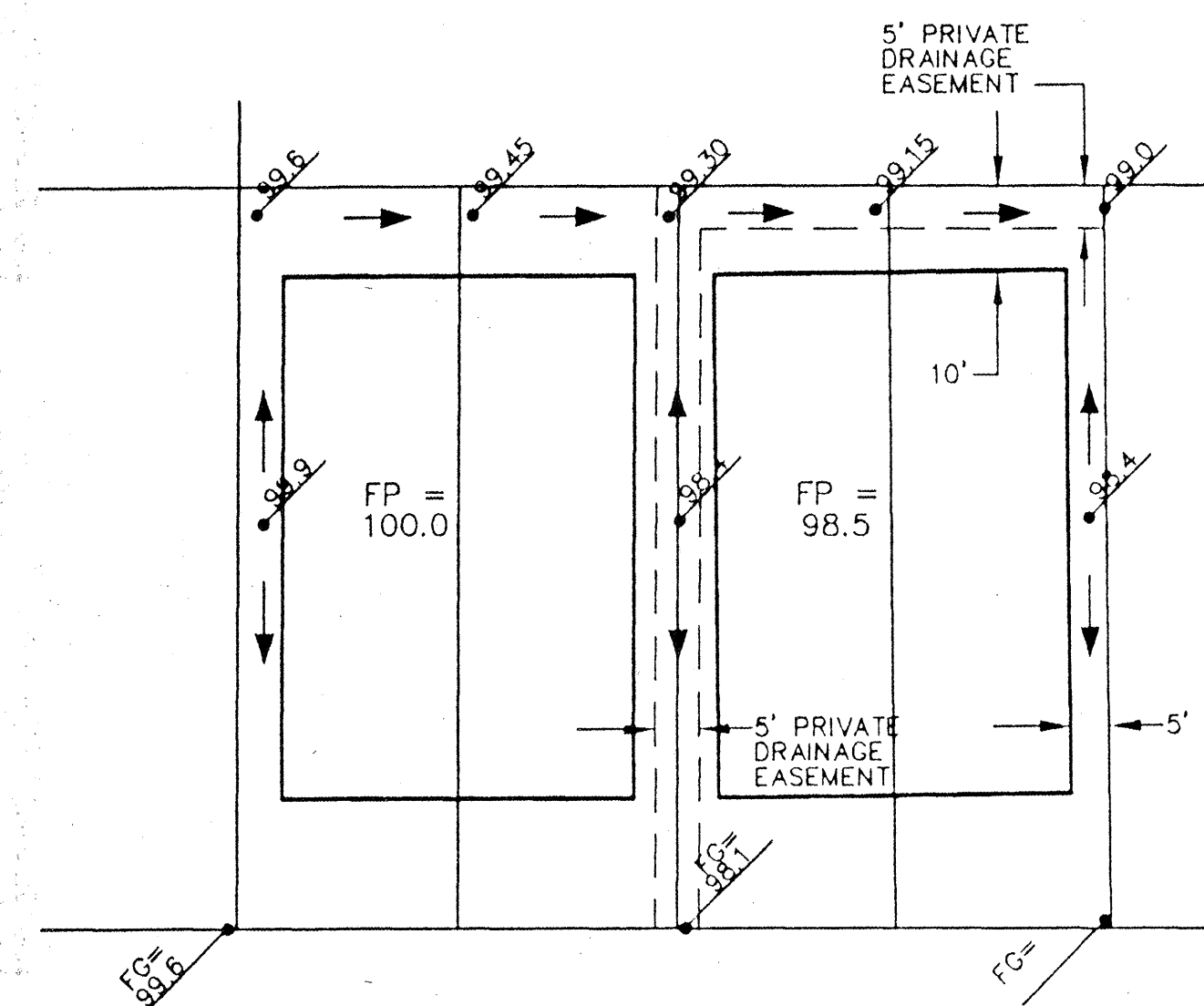
SCANNED BY MESA REPRO

DWG: C:\PROJ\OESTE\95-330\C\PROJ\OESTE\95-330\LCU3G.D

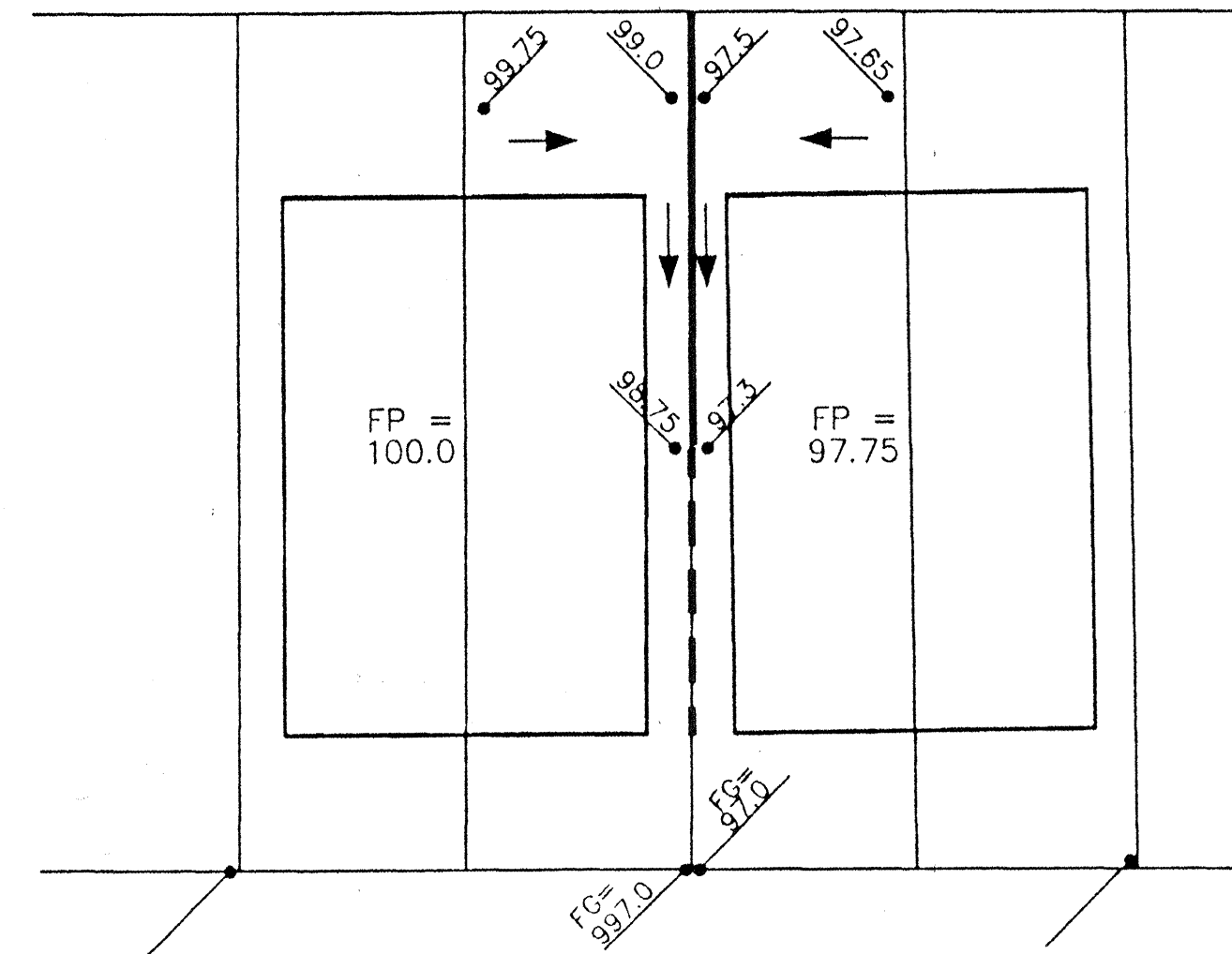
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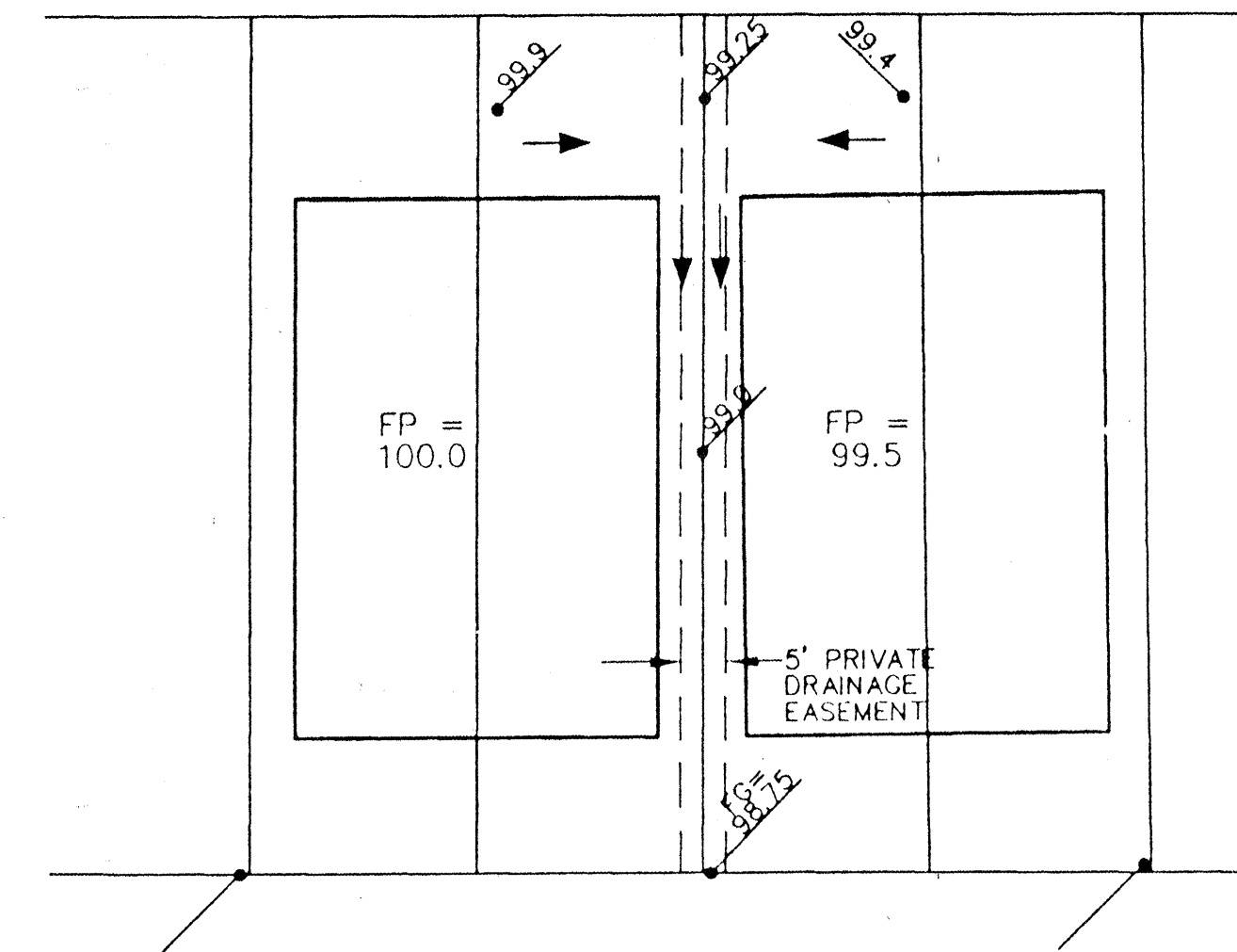
CASE 3a



CASE 3b



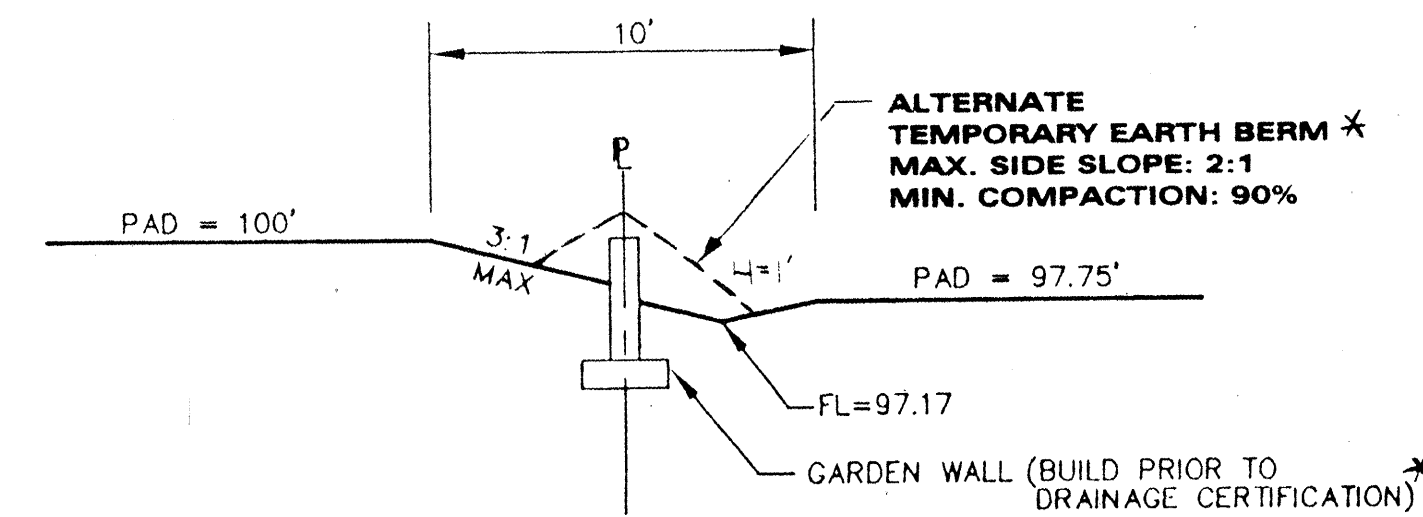
CASE 1



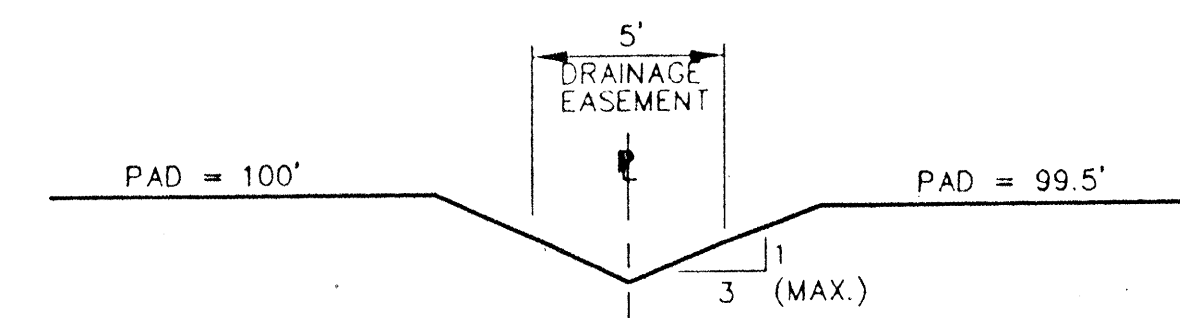
CASE 2

LEGEND

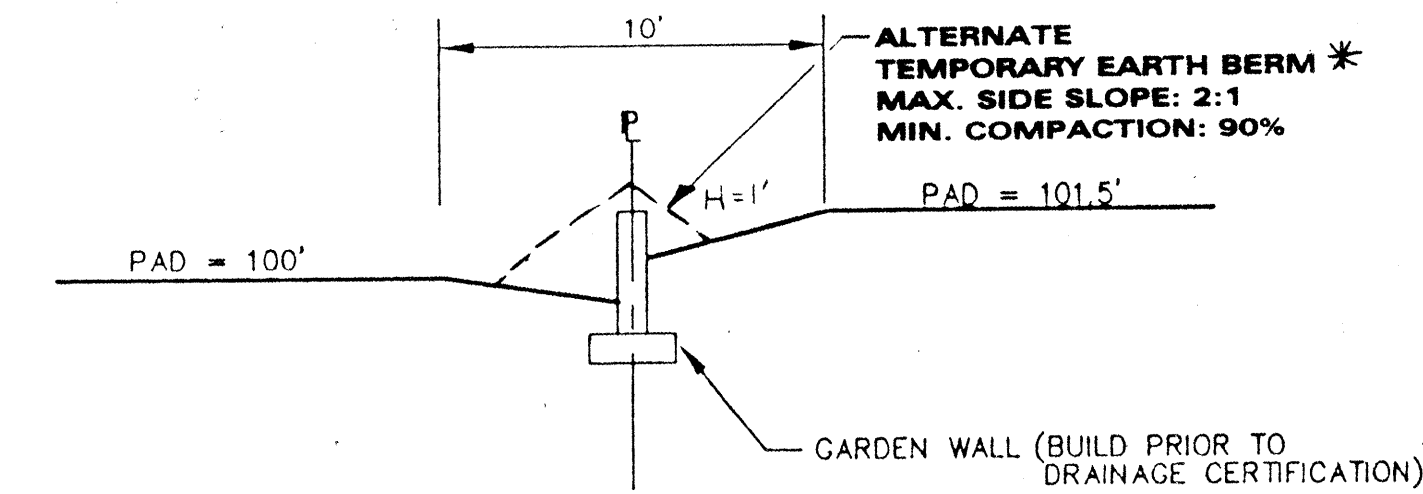
- SPOT ELEVATION
- DIRECTION OF FLOW
- GARDEN WALL
- RETAINING WALL
- HOUSE PAD
- DRAINAGE EASEMENT
- FP = FINISHED PAD ELEVATION
- TW = TOP OF WALL
- BW = BOTTOM OF WALL
- FL = FLOWLINE



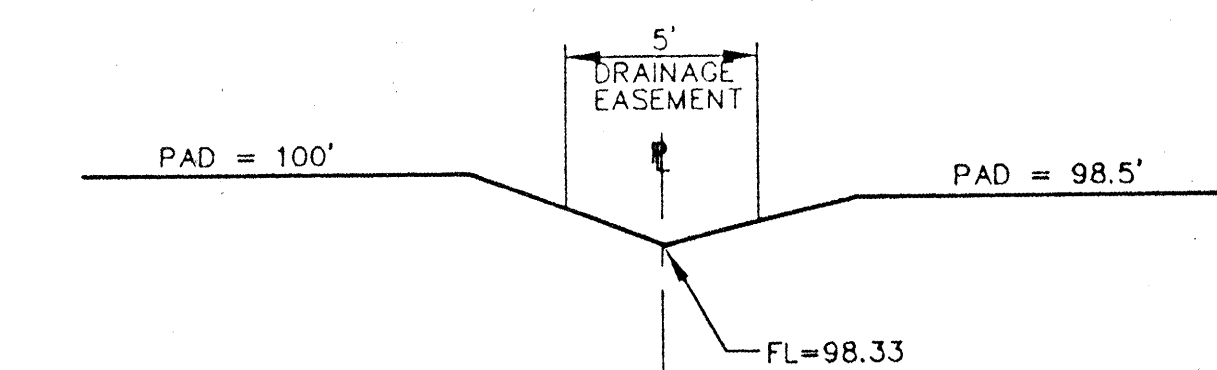
CASE 1
ADJACENT PAD
ELEVATION DIFFERENCE (h): 1.5' < h < 2.25'



CASE 2
ADJACENT PAD
ELEVATION DIFFERENCE < .5'



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

* 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.

AS-BUILT

Resource Technology, Inc.
ENGINEERS AND ENVIRONMENTAL SCIENTISTS
CIVIL - ENVIRONMENTAL - WATER RESOURCES - RECREATION - PLANNING
1720-B Rundell Rd. SE, Albuquerque, NM 87108
(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

APPROVE
JUN 23 1997
DESIGN
REVIEW COMMITTEE

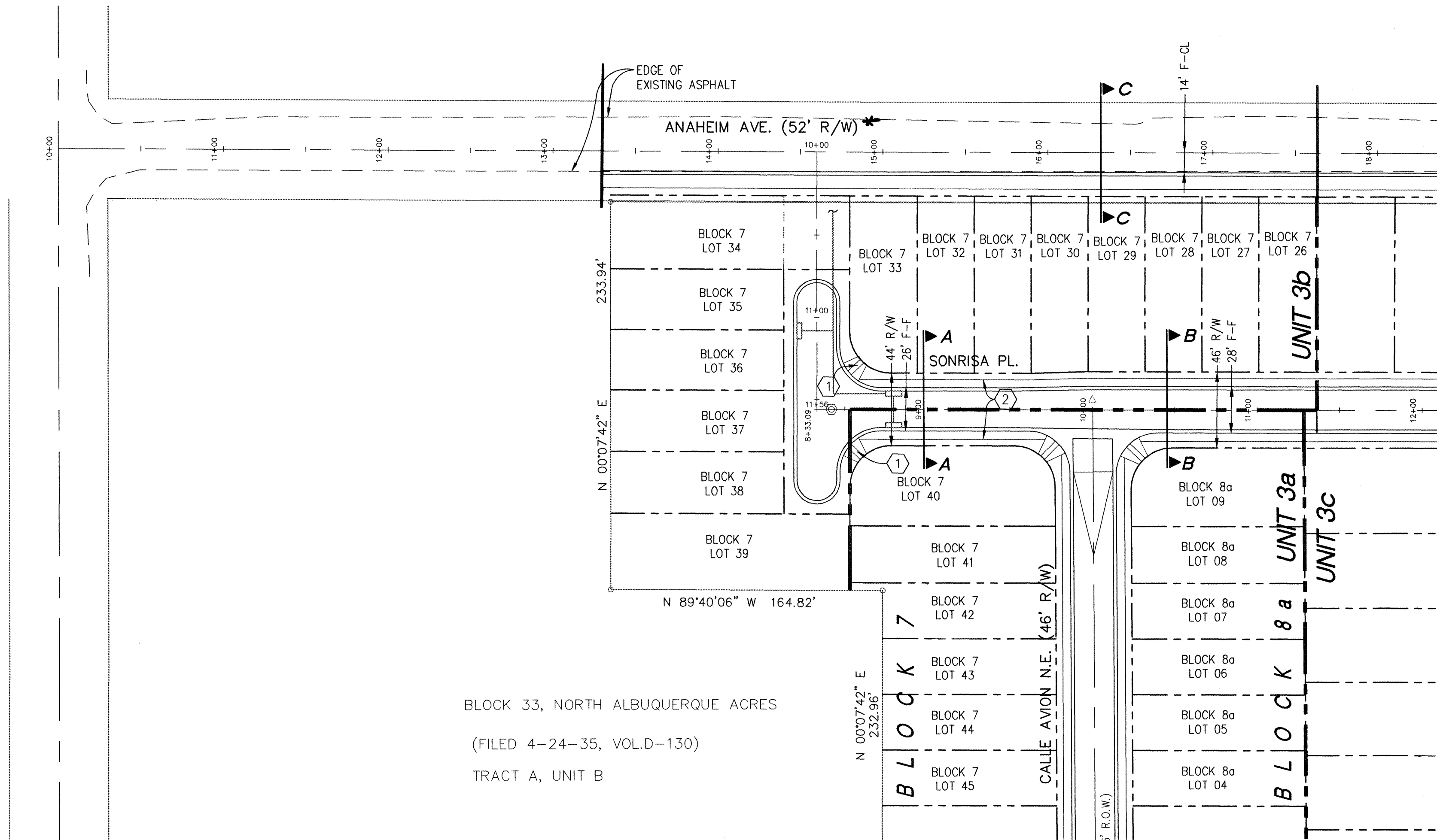
City Engineer Approval

REVISIONS
NO. DATE
DESIGNED BY DSD DATE AUG 1996
DRAWN BY PMT DATE AUG 1996
CHECKED BY DSD DATE AUG 1996

City Project No. 5232.913 Zone Map No. C-18 Sheet 6 Of 14

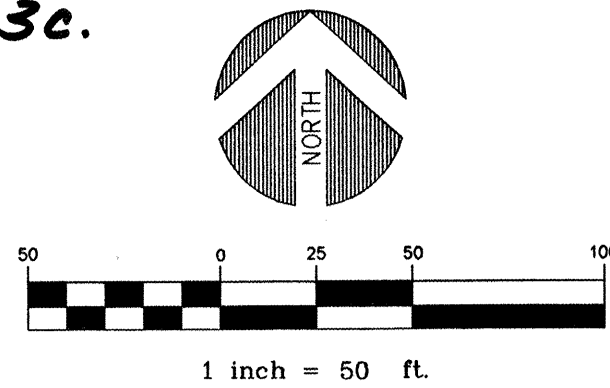
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CONTRACTOR	NEW CARBETS	NO.	DATE	NO.	DATE
STAKED BY	DATE 4-99				
INSPECTOR'S	DATE 4-99				
FIELD	DATE 4-99				
VERIFICATION BY	DATE 4-99				
CORRECTED BY	DATE 4-99				
MICRO-FILM INFORMATION		RECORDED BY		NO.	

ENGINEER'S SEAL
DONALD S. DIXON
REGISTERED PROFESSIONAL ENGINEER
NO. 10431
5/19/97
10/16/97



BLOCK 33, NORTH ALBUQUERQUE ACRES
(FILED 4-24-35, VOL.D-130)
TRACT A, UNIT B

* N.I.C. - ANAHEIM AVE. WILL BE
CONSTRUCTED W/UNIT 3C.



- NOTES:
- SEE PLAT, SHEETS 2 & 3, FOR RIGHT-OF-WAY WIDTHS AND STREET CENTERLINE BEARING & DISTANCE INFORMATION.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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.
 - SEE SHEET 14 FOR CROSS SECTIONS AND PAVING SECTIONS.

- CONSTRUCTION KEYED NOTES:
- CONSTRUCT H.C. RAMP 4" THICK PER STD. DWG.# 2441.
 - 4' WIDE P.C.C. SIDEWALK (NOT IN THIS CONTRACT).

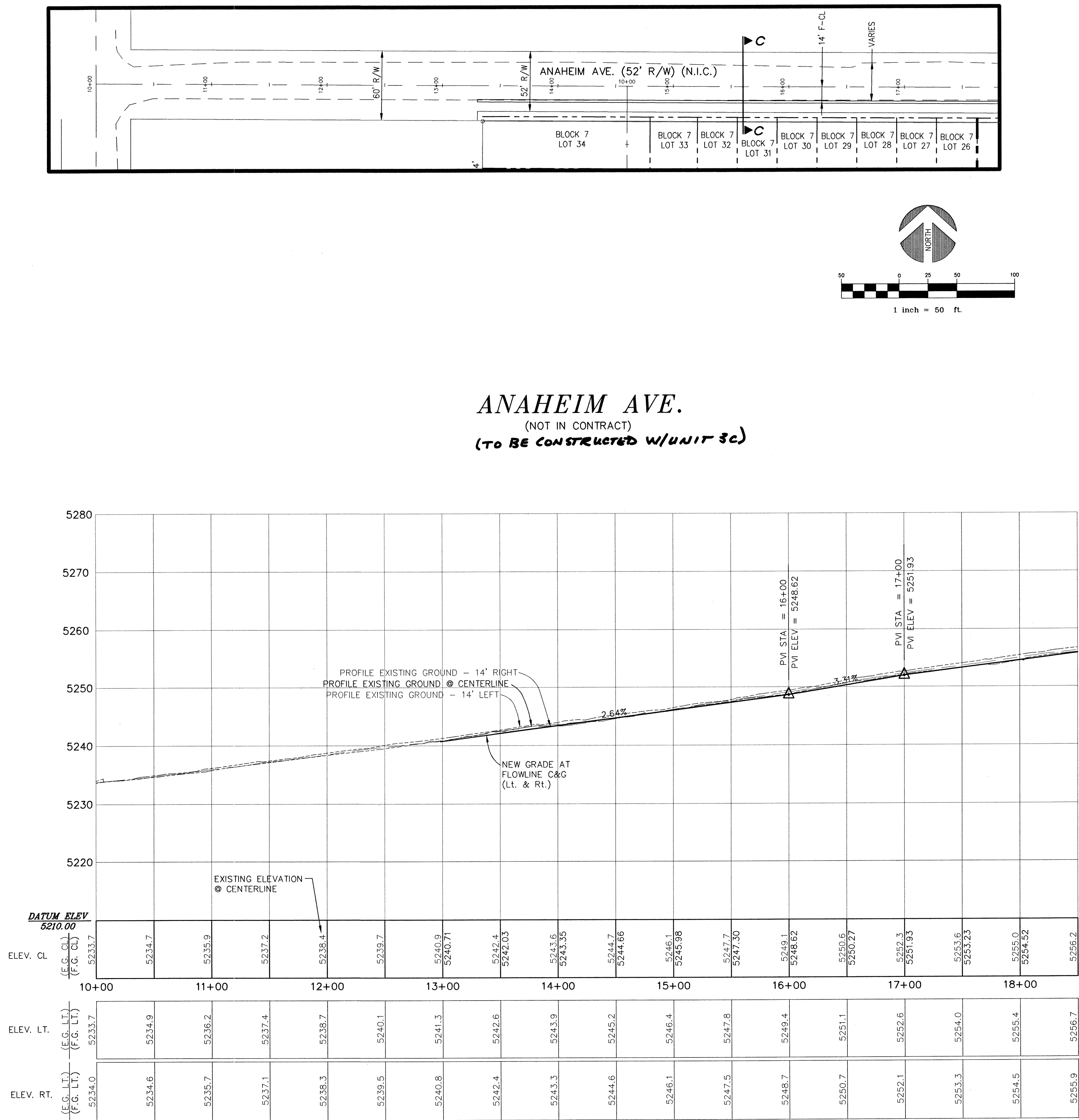
AS-BUILT
Terry O. Brown, P.E.

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TITLE: LA CUEVA OESTE, UNIT 3b
PAVING MASTER PLAN

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED			
DESIGN REVIEW COMMITTEE			
City Project No.	Zone Map No.	Sheet	Of
5232.93	C-18-Z	7	14

AS-BUILT INFORMATION	BENCH MARKS	SURVEY INFORMATION	ENGINEER'S SEAL
CONTRACTOR N16W C&M C&M S	ACS STA. No. 1-C19	FIELD NOTES	
WORK BY C&M	DATE 4-99	DATE	
INSPECTED BY C&M	DATE 4-99	BY	
ACCEPTANCE BY C&M	DATE 4-99	NO.	
REVISIONS			
DESIGNED BY: TOB			
DRAWN BY: TOB			
CHECKED BY: TOB			



- NOTES:
- NEW ELEVATIONS SHOWN ARE FLOWLINE OF CURB AND GUTTER UNLESS OTHERWISE NOTED.
 - 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
 - SEE PLAT, SHEETS 2 & 3, FOR RIGHT OF WAY WIDTHS AND STREET CENTERLINE BEARING & DISTANCE INFORMATION.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
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INSPECTOR	C&G	X=404941.91	DATE				
ACCEPTANCE BY	C&G	Z=5318.195	DATE				
VERIFICATION BY	C&G		DATE				
DRAWINGS	DATE		DATE				
CORRECTED BY	DATE		DATE				
MICRO-FILM INFORMATION							
RECORDED BY	NO.						

AS-BUILT
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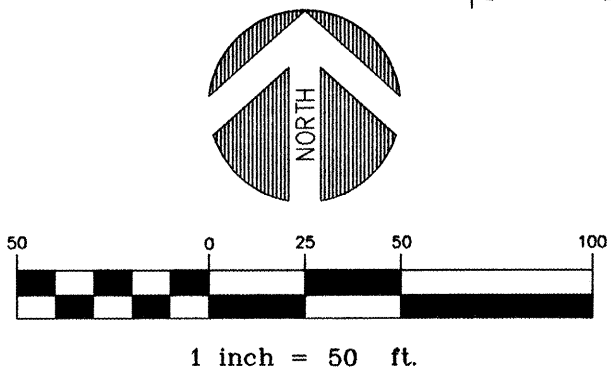
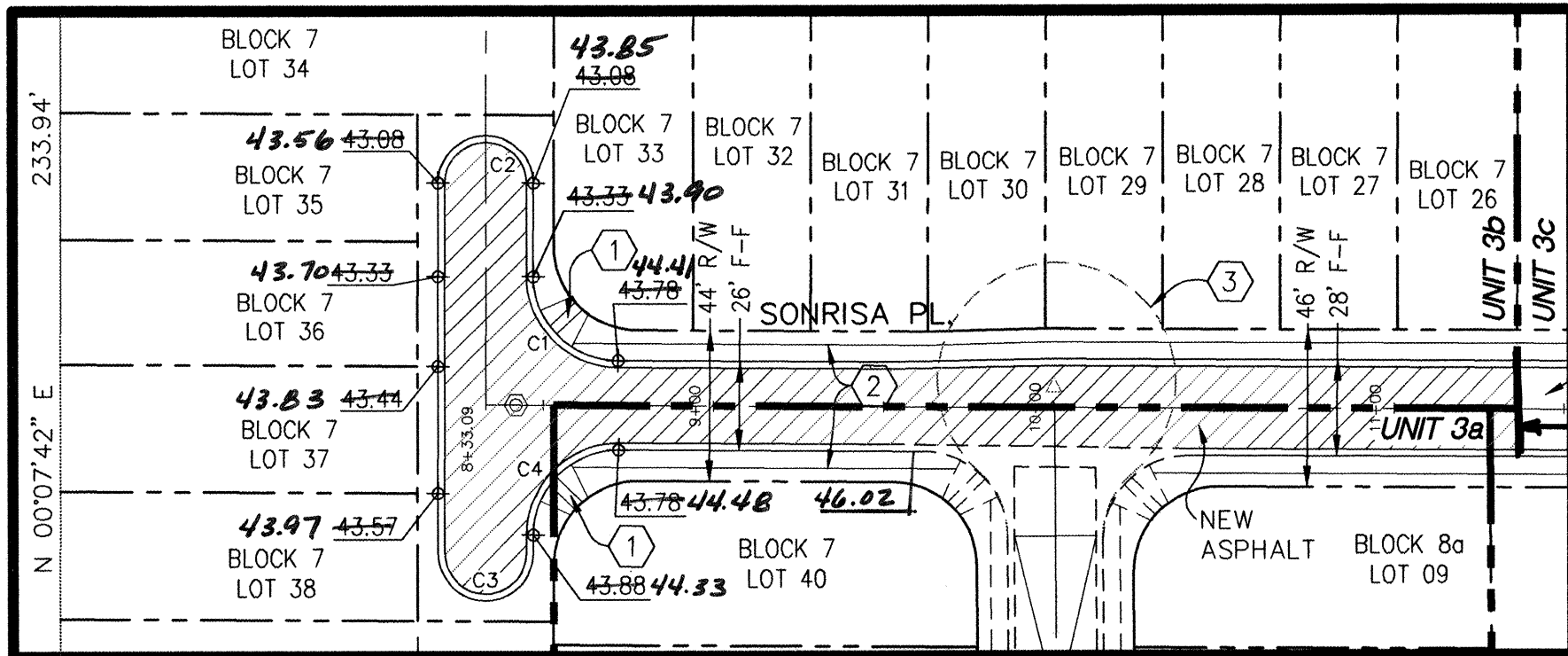
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LA CUEVA OESTE, UNIT 3b
PAVING PLAN AND PROFILE
ANAHEIM AVE. (Sta. 10+00 to Sta. 17+63.20)

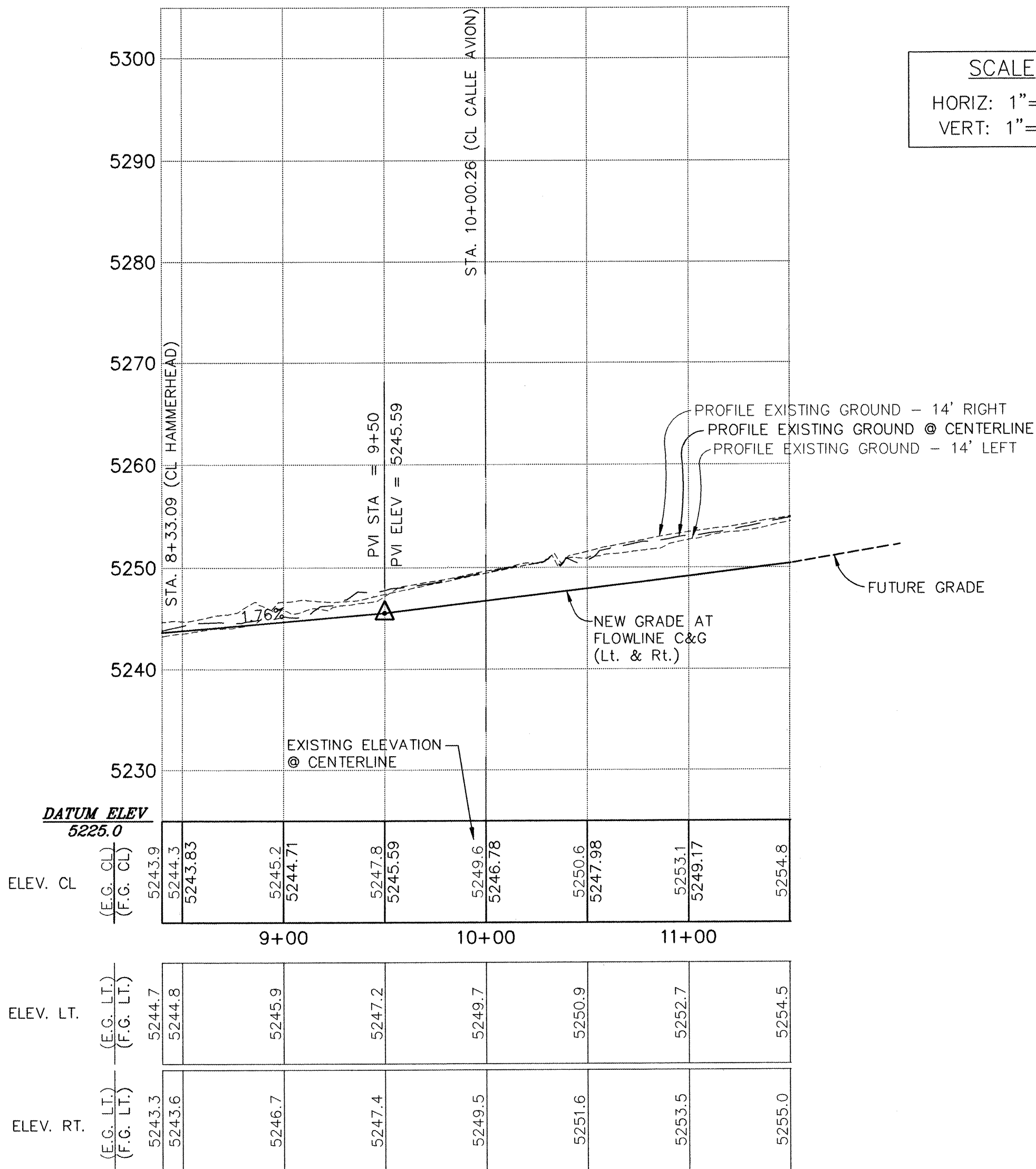
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 5232.93 Zone Map No. C-18-Z Sheet 8 Of 14

CURVE DATA AT FACE OF CURB						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD LEN	CHORD DIR
C1	39.18	25.00	89°47'12"	25.00	35.29	S 44°45'54" E
C2	44.01	14.00	180°06'34"	NA	28.00	N 89°52'18" W
C3	43.98	14.00	180°00'00"	NA	28.00	S 89°39'30" E
C4	39.36	25.00	90°12'48"	25.00	35.42	S 45°14'06" W



SONRISA PL.



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 H.C. RAMPS 4" THICK PER STD. DWG. # 2441.
2. 4' WIDE P.C.C. SIDEWALK (NOT IN THIS CONTRACT).
3. TEMPORARY PAVED CUL-DE-SAC TO BE REMOVED.

AS-BUILT

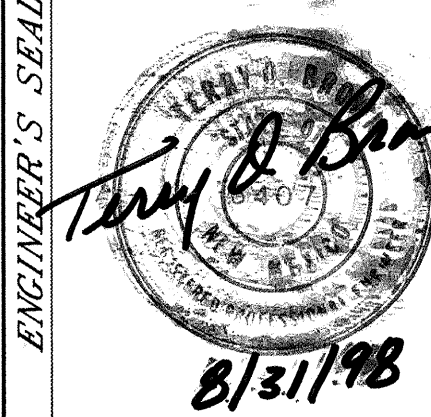
Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

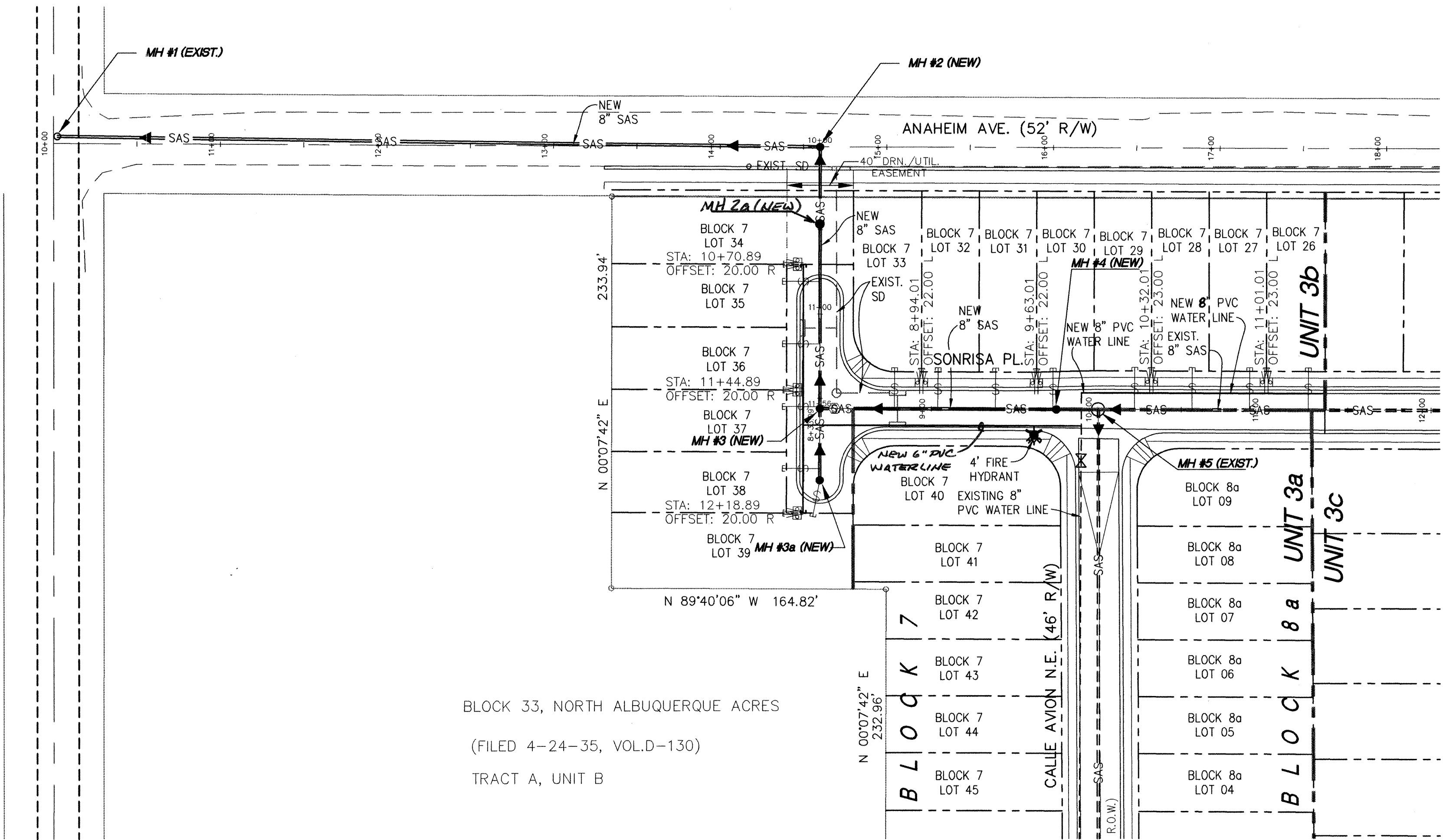
TITLE: LA CUEVA OESTE, UNIT 3b
PAVING PLAN AND PROFILE
SONRISA PL. (Sta. 8+33.09 to Sta. 11+36.24)

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

City Project No. 5232.93 Zone Map No. C-18-Z Sheet 9 Of 14



SANITARY SEWER SERVICE TABLE - LA CUEVA OESTE, UNIT 3b						
Block 7						
Lot No.	Street	SAS Serv Sta.	Offset to PL	Elev. FL Curb	Elev. SAS Inv. @ PL	
26	SONRISA PL.	11+26.20	23' Lt.	5249.79	5245.79	
27	SONRISA PL.	10+91.00	23' Lt.	5248.95	5244.95	
28	SONRISA PL.	10+56.50	23' Lt.	5248.13	5244.13	
29	SONRISA PL.	10+22.00	23' Lt.	5247.31	5243.31	
30	SONRISA PL.	9+73.01	22' Lt.	5246.14	5242.14	
31	SONRISA PL.	9+38.50	22' Lt.	5245.39	5241.39	
32	SONRISA PL.	9+04.00	22' Lt.	5244.78	5240.78	
33	SONRISA PL.	8+77.92	22' Lt.	5244.32	5240.32	
34	HAMMERHEAD	NA	20' Rt.	5243.60	5239.00	
35	HAMMERHEAD	NA	20' Rt.	5243.19	5239.00	
36	HAMMERHEAD	NA	20' Rt.	5243.54	5239.00	
37	HAMMERHEAD	NA	20' Rt.	5243.65	5239.00	
38	HAMMERHEAD	NA	20' Rt.	5243.77	5239.00	
39	HAMMERHEAD	NA	20' Rt.	5243.88	5239.00	



BLOCK 33, NORTH ALBUQUERQUE ACRES

(FILED 4-24-35, VOL.D-130)

TRACT A, UNIT B

RESTRAINED JOINT LENGTHS Lr, FOR TEES, (FT.)				
ALL JOINTS AT THE TEE MUST BE RESTRAINED.				
SIZE	MINIMUM RUN LENGTH		MINIMUM RUN LENGTH	
	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

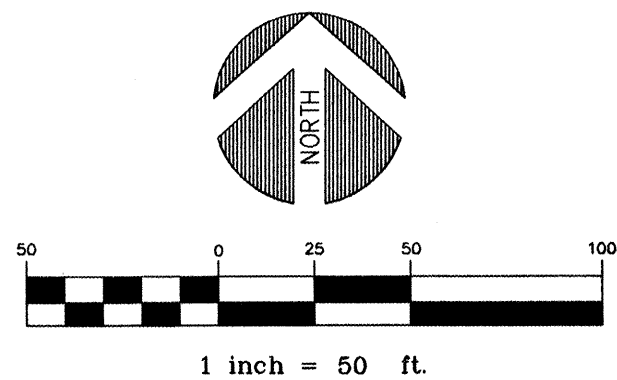
NOTE - THIS TABLE IS BASED UPON THE FOLLOWING CRITERIA:

DEPTH OF BURY	3.0 FT. MINIMUM
FACTOR OF SAFETY	1.25
MATERIAL	PVC PIPE
SOIL TYPE	GM/SM - SILTY 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.

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



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 "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 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 CALLE AVION PLACE JUST SOUTH OF SONRISA PL.

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 3b
UTILITY MASTER PLAN & UTILITY TABLES



City Engineer Approval

Last Design Update

Ms./bday/Yr.

Mo./bday/Yr.

Ms./bday/Yr.

Mo./bday/Yr.

Ms./bday/Yr.

Mo./bday/Yr.

City Project No.

Zone Map No.

Sheet

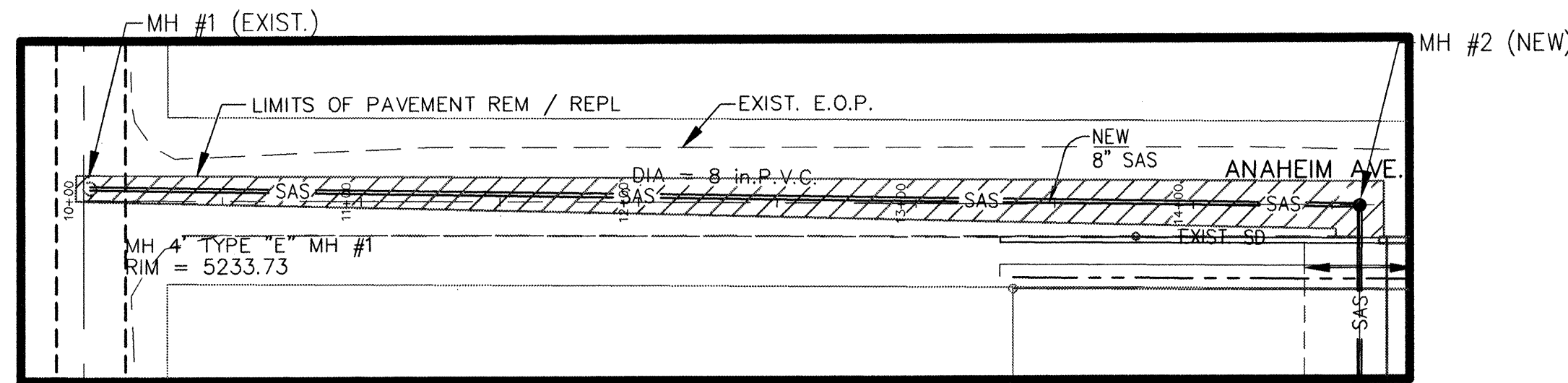
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5232.93

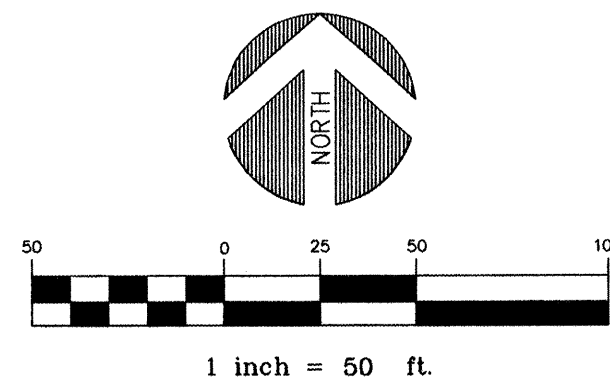
C-18-Z

10

14

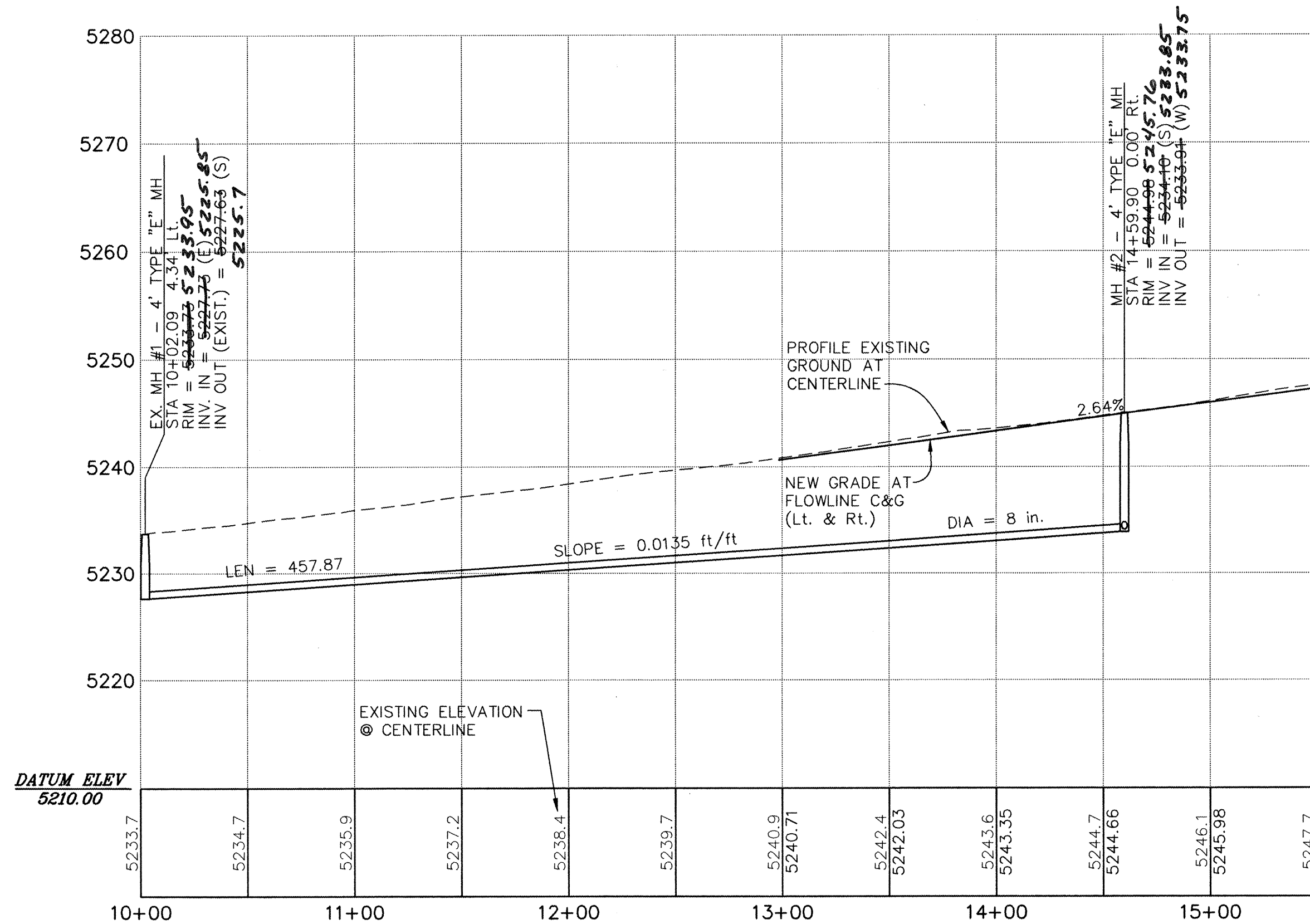


SEE SHEET 12
FOR CONTINUATION



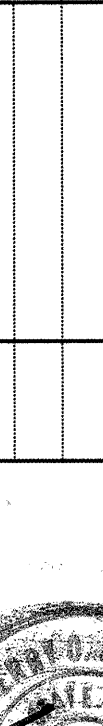
ANAHEIM AVE.

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	

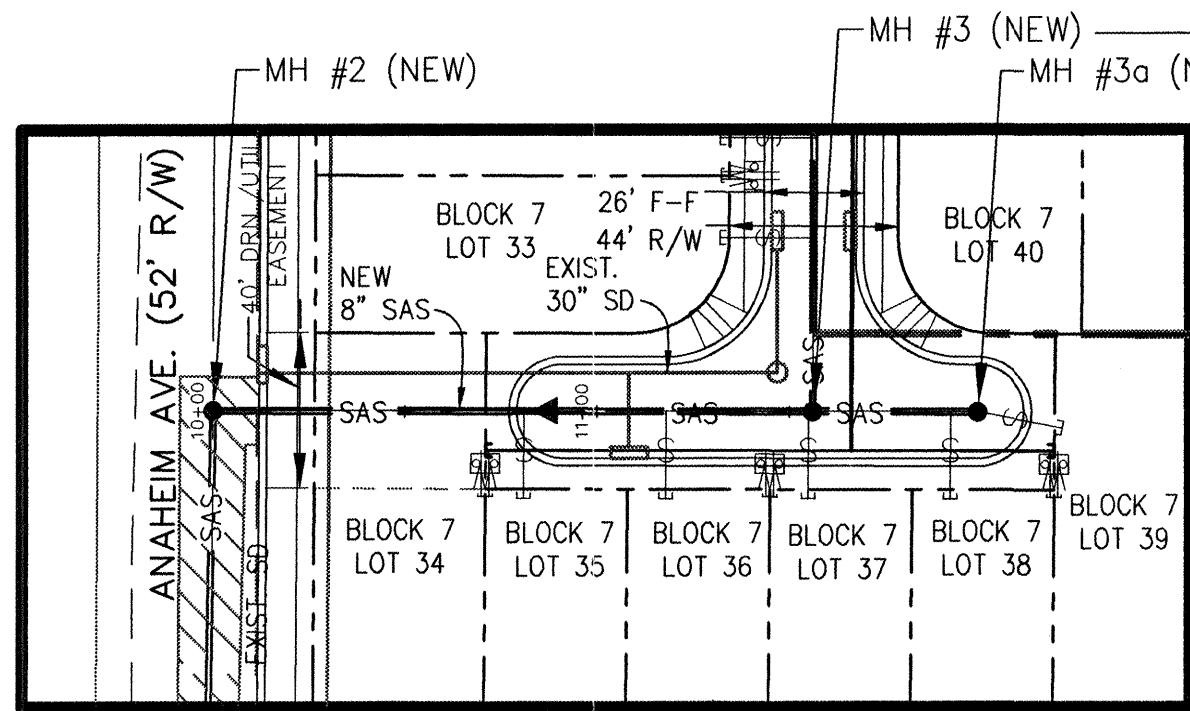
- WATER AND SEWER NOTES**
1. CONSTRUCT 4" TYPE "E" MANHOLES PER STD. DWG.# 2102.
 2. CONSTRUCT SAS SERVICE LINES PER STD. DWG.# 2125.
 3. CONSTRUCT ALL CONCRETE BLOCKING PER STD. DWG.# 2320. CONCRETE BLOCKING SHALL BE UTILIZED ONLY WHERE SPECIFICALLY CALLED OUT ON PLAN.
 4. CONSTRUCT ALL VALVE BOXES 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.

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE	ACS STA. No. 1-C19	CONTRACTOR	DATE
					WORK	DATE	
					INSPECTOR'S	DATE	
					ACCEPTANCE BY	DATE	
					VERIFICATION BY	DATE	
					DRAWINGS	DATE	
					CORRECTED BY	DATE	
					MICRO-FILM INFORMATION		
					RECORDED BY	DATE	
					NO.		

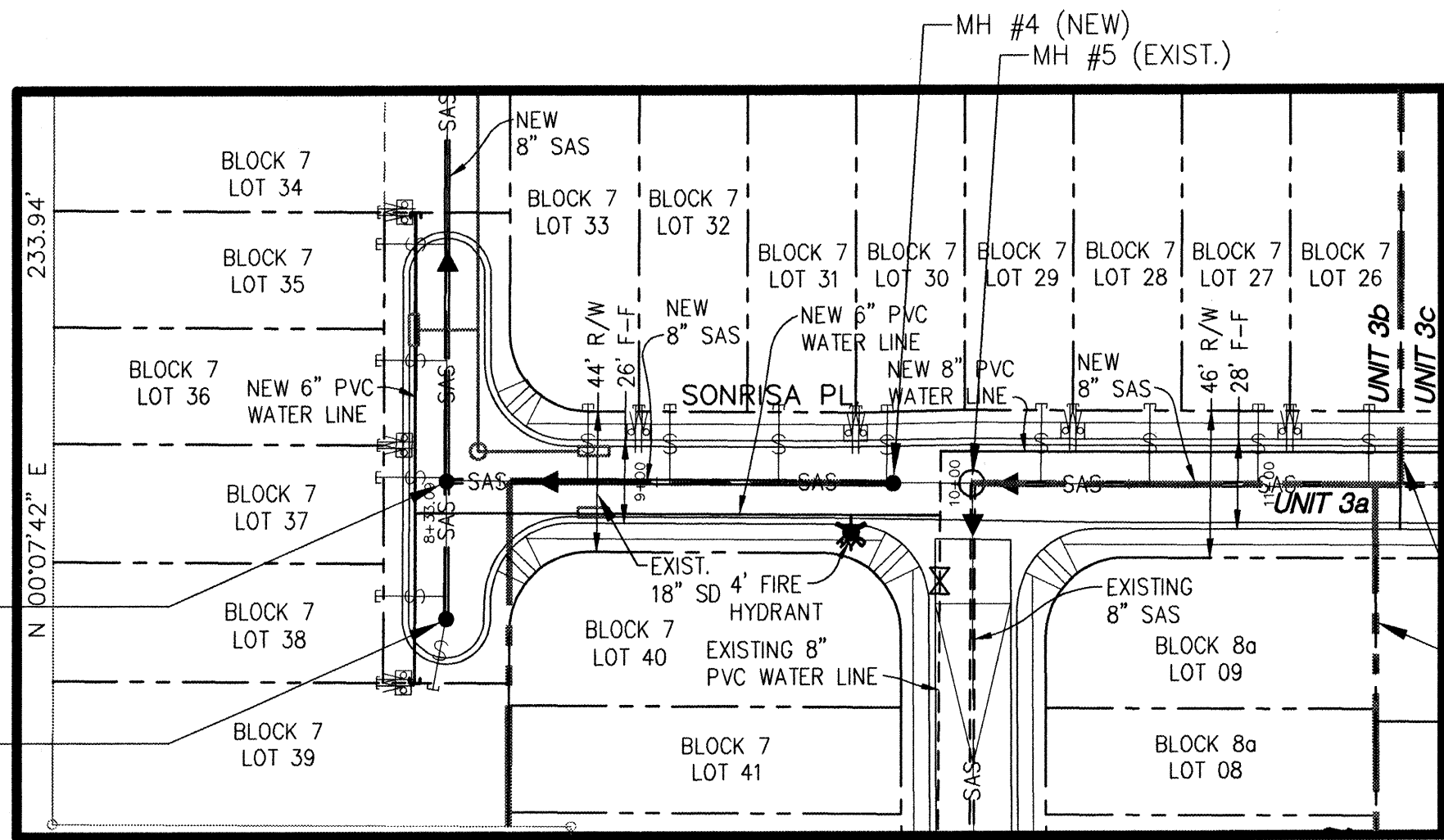
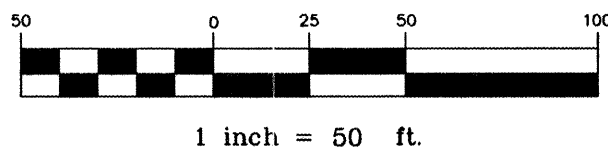
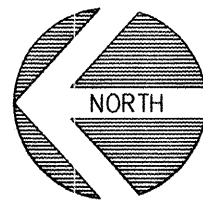
AS-BUILT

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

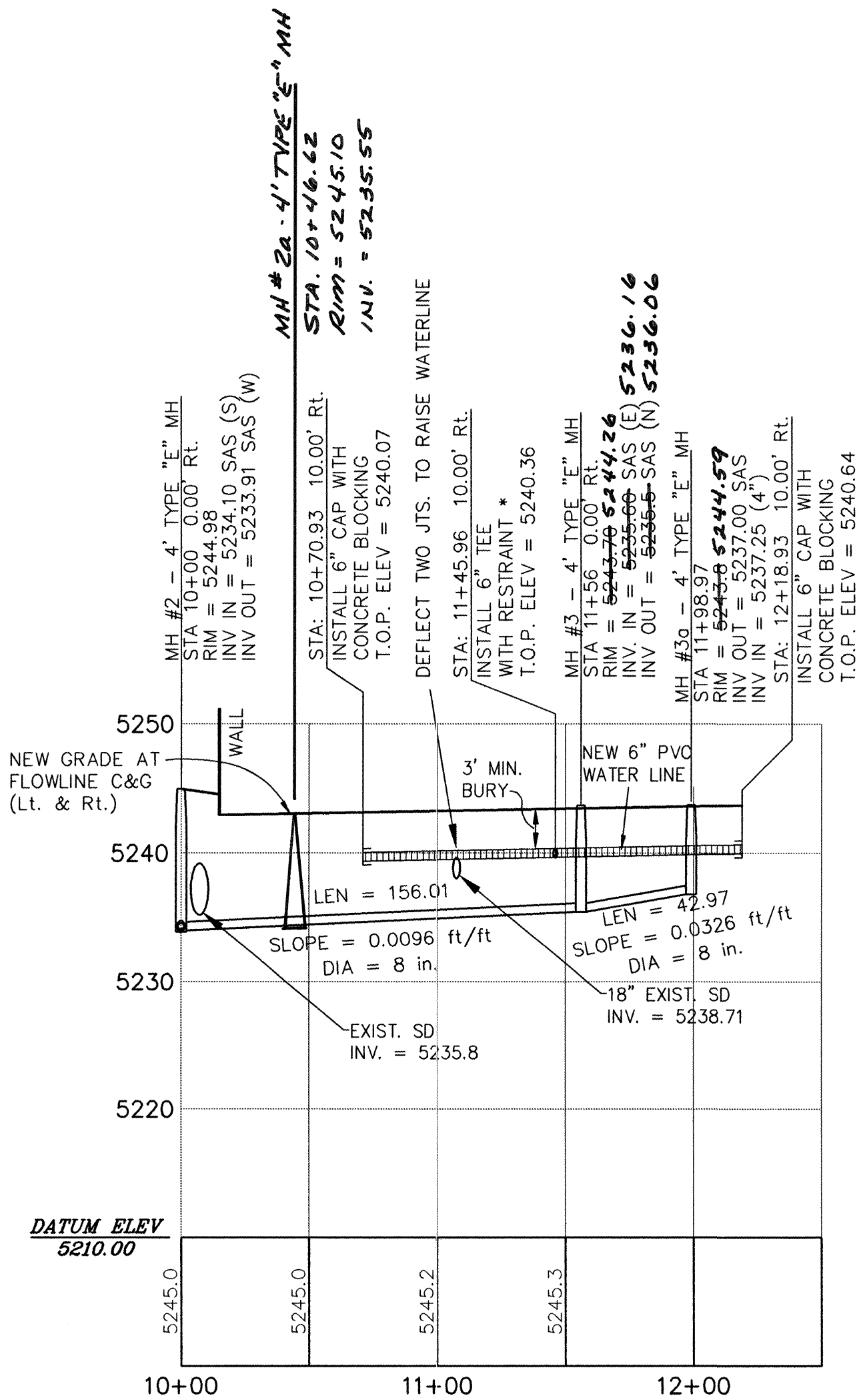
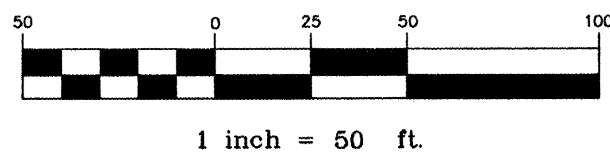
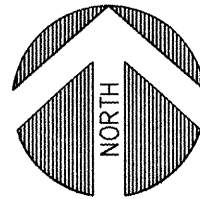
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: LA CUEVA OESTE, UNIT 3b UTILITY PLAN AND PROFILE ANAHEIM AVE. (Sta. 10+00 to Sta. 14+59.90)			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	Zone Map No.	Sheet	Of
5232.93	C-18-Z	11	14



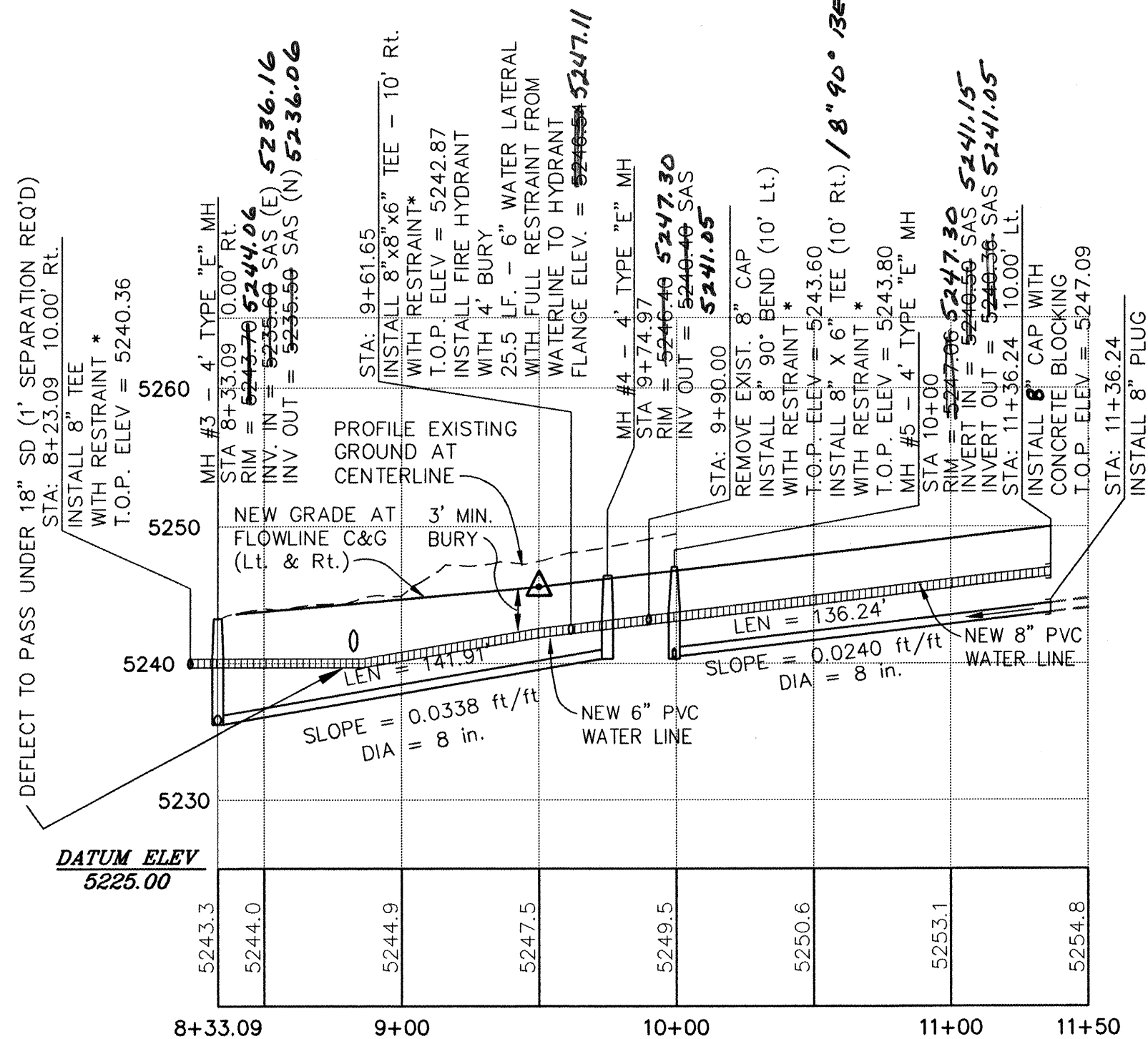
SEE SHEET 11
FOR CONTINUATION



PROJECT PHASE LINES (TYP.)



SONRISA PL.



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" 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		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	WORKED BY	DATE	NO.	BY	REMARKS	BY
INSPECTOR'S	DATE	ACCEPTANCE BY	DATE	ACS STA. No. 1-C19			
VERIFICATION BY	DATE	DATE	DATE	Y=1518845.74			
DRAWN BY	DATE	DATE	DATE	X=404941.91			
DATE	DATE	DATE	DATE	Z=5318195			
MICRO-FILM INFORMATION		REVISIONS		DESIGN		DATE: 03/98	
RECORDED BY	DATE	DRAWN BY: TOB		DATE: 03/98		CHECKED BY: TOB	
NO.	DATE						

AS-BUILT

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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LA CUEVA OESTE, UNIT 3b
UTILITY PLAN AND PROFILE
SONRISA PL. (Sta. 8+33.09 to Sta. 11+36.30)



City Engineer Approval

Last Design Update

Mo./Day/Yr.	Mo./Day/Yr.

City Project No.

Zone Map No.

Sheet

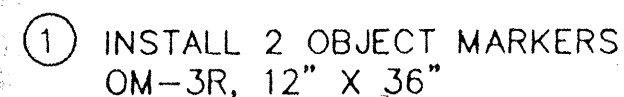
Of

5232.93

C-18-Z

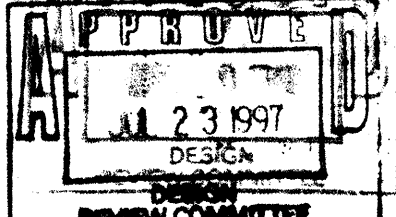
12

14



NOTE: THIS SHEET FOR INFO ONLY.

AS-BUILT

 Resource Technology, Inc. ENGINEERS AND ENVIRONMENTAL SCIENTISTS CIVIL - ENVIRONMENTAL - WATER RESOURCES - RECREATION - PLANNING 1720-B Remington, Rte. 30, Albuquerque, NM 87106 (505) 243-7300		NO.	DATE	DESIGNED BY	DRAWN BY	CHECKED BY
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP						
TITLE: LA CUEVA OESTE, UNIT 23a MISCELLANEOUS DRAINAGE DETAILS						
Design/Drawn By: <u>Bob Bales</u> City Engineer Approval		No./Day/Yr.		No./Day/Yr.		
		Last Design Update				
City Project No. 5232.913		Zone Map No. C-18		Sheet 13 Of 14		

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.

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

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

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

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

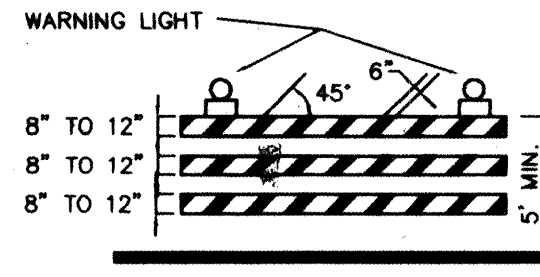
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

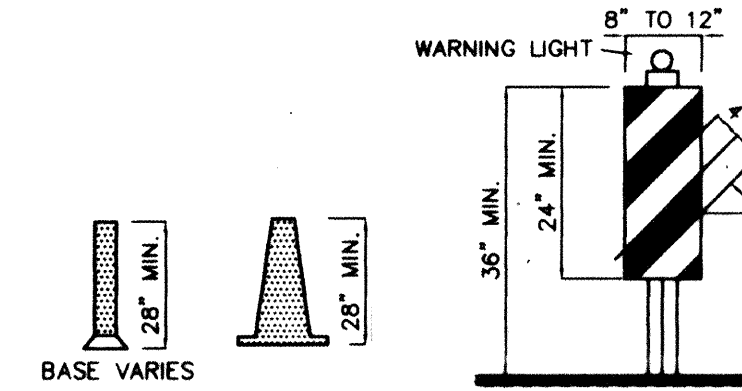
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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

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



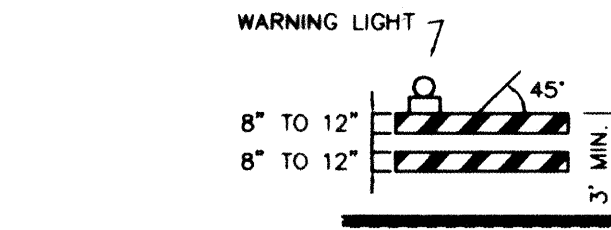
TYPE II BARRICADE



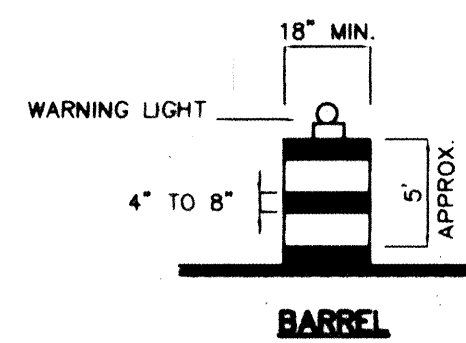
VERTICAL PANEL



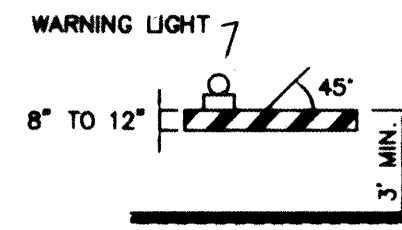
HIGH LEVEL WARNING DEVICE



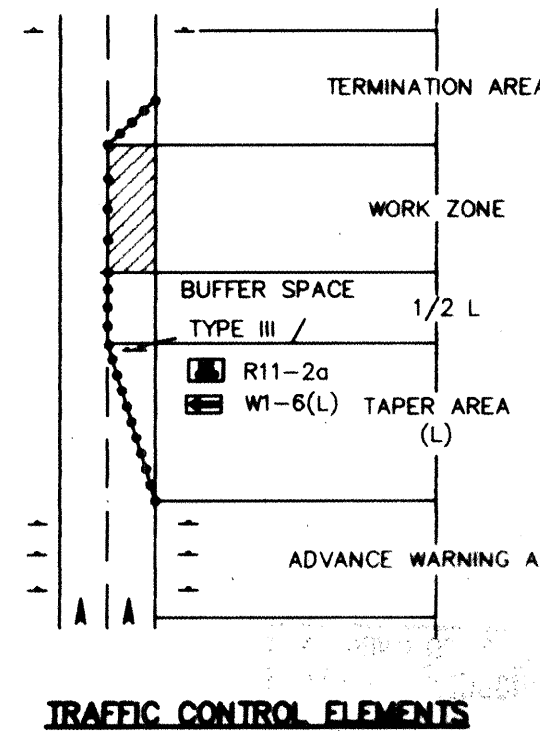
TYPE II BARRICADE COLLAPSIBLE



BARREL



TYPE I BARRICADE COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

LEGEND

- WORK AREA
BARRICADE - TYPE I, TYPE II, OR BARREL
BARRICADE - TYPE III
VERTICAL PANEL
WARNING SIGN
DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
FLAGMAN POSITION
SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
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

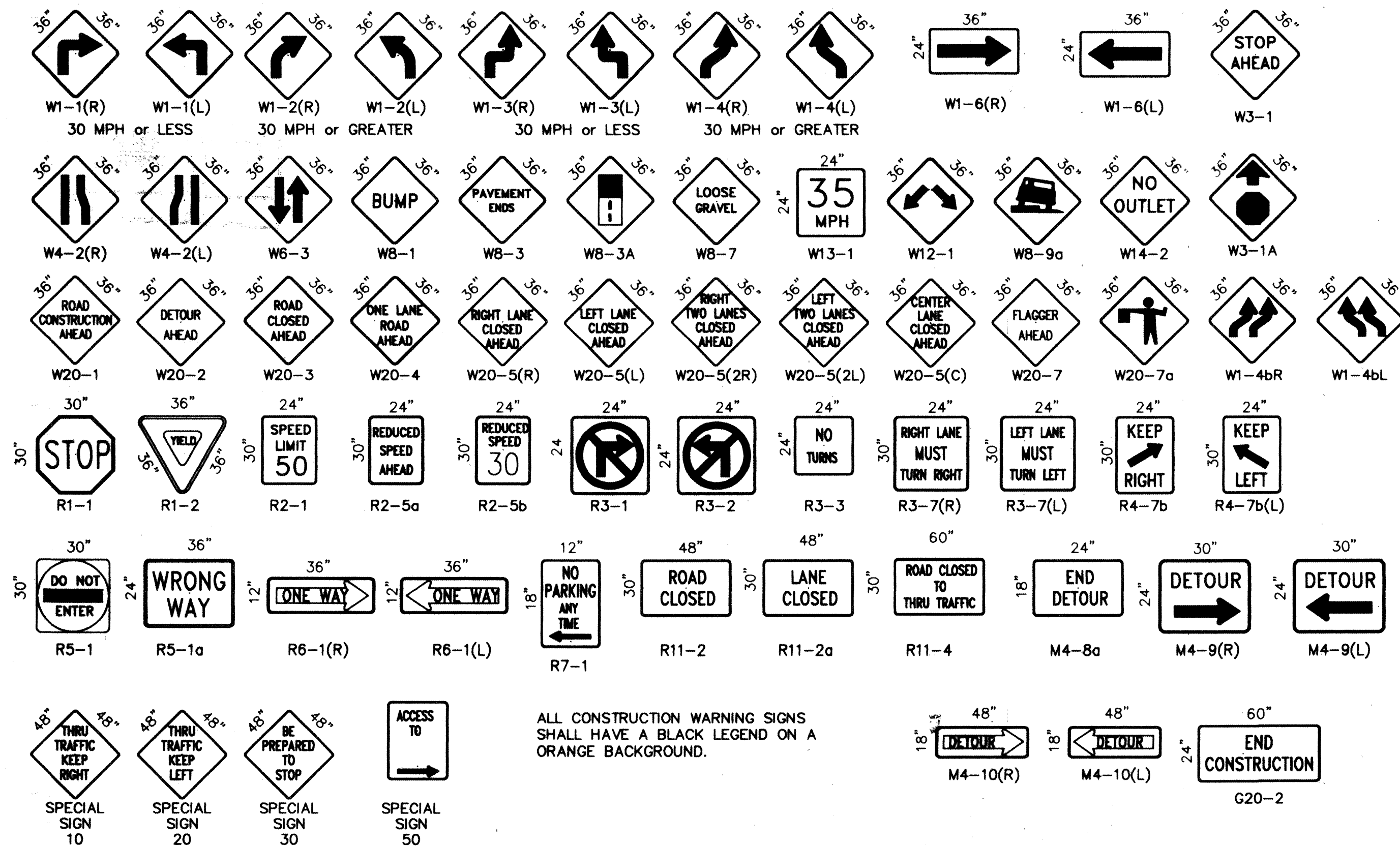
TAPER CRITERIA

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.

AS-BUILT

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR	MO./DAY/YR
COA Standard		LAST UPDATE	
PROJECT NO. 5232.93	MAP NO. C-18-2	SHEET 14b	OF 14