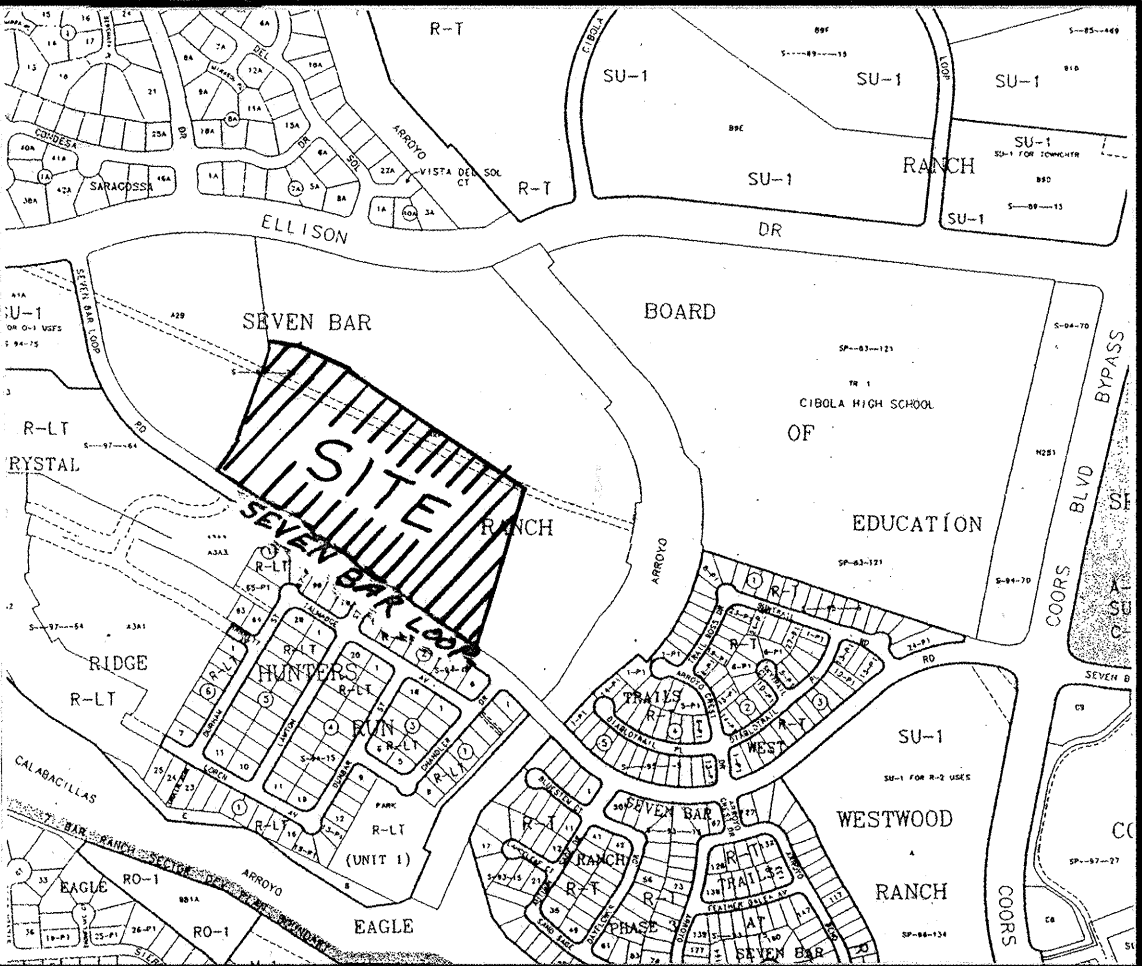


CONSTRUCTION PLANS
FOR
MIRADOR SANDIAS SUBDIVISION
ALBUQUERQUE, NEW MEXICO



VICINITY MAP ZONE ATLAS A-13 & B-13
GENERAL NOTES SCALE: NONE

NOTICE TO CONTRACTORS

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 WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.
3. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.
4. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
6. ALL STREET STRIPING PAVEMENT MARKINGS ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR IN EXISTING OR NEW LOCATION AS INDICATED BY THIS SET.
7. 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.
8. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOURS CONSTRUCTION.
9. WATER AND SEWER FACILITIES SHALL BE CONSTRUCTED PER NMUI SPECIFICATIONS, INSPECTION AND APPROVAL.
10. THE CONTRACTOR SHALL NOTIFY NMUI THREE (3) WORKING DAYS PRIOR TO BEGINNING WATER OR SEWER CONSTRUCTION AND SHALL COORDINATE SAID CONSTRUCTION WITH NMUI.
11. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.
- ☒ SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSIONED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Peter Chang
DATE 1-29-00
COA INSPECTOR: BILL MCCALL

CAUTION:
NOTE: THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL THE UTILITY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
PHONE (505) 828-2200
FAX (505) 797-9539

SURVEYOR'S CERTIFICATION

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

Timothy Aldrich 11-16-99
Timothy Aldrich, P.S. No. 7719 Date

LEGEND

—	CURB AND GUTTER	□	WATER METER
■	CONCRETE	○	CABLE T.V.
□	ELECTRIC TRANSFORMER	○	POWER POLE
□	ELECTRIC PANEL	—	ANCHOR
○	SANITARY SEWER MANHOLE	□	LIGHT POLE
①	TELEPHONE MANHOLE	□	TRAFFIC LIGHT
ⓔ	ELECTRIC MANHOLE	□	CROSSWALK SIGNAL
○	STORM SEWER MANHOLE	□	SPRINKLER CONTROL
⋈	WATER VALVE	□	TRAFFIC CONTROL
⊕	FIRE HYDRANT	□	LIGHTING BOX
⊕	TELEPHONE BOX	+	SIGN
TC FL	SPOT ELEVATION	▤	GRATE

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2	PLAT
3	GRADING AND DRAINAGE PLAN
4	MASTER PAVING PLAN
5	PAVING IMPROVEMENTS CAPROCK ROAD N.W. / DESCOLLADO DRIVE N.W.
6	PAVING IMPROVEMENTS CHAPARRO DRIVE N.W. / RIDGERUNNER ROAD N.W.
7	PAVING IMPROVEMENTS RIDGECIRCLE DRIVE N.W.
8	MASTER UTILITY PLAN
9	UTILITY IMPROVEMENTS CAPROCK ROAD N.W. / DESCOLLADO DRIVE N.W.
10	UTILITY IMPROVEMENTS CHAPARRO DRIVE N.W. / RIDGERUNNER ROAD N.W.
11	UTILITY IMPROVEMENTS RIDGECIRCLE DRIVE N.W. / STORM DRAIN RIDGERUNNER ROAD N.W.
11A - 11B	STANDARD TRAFFIC CONTROL

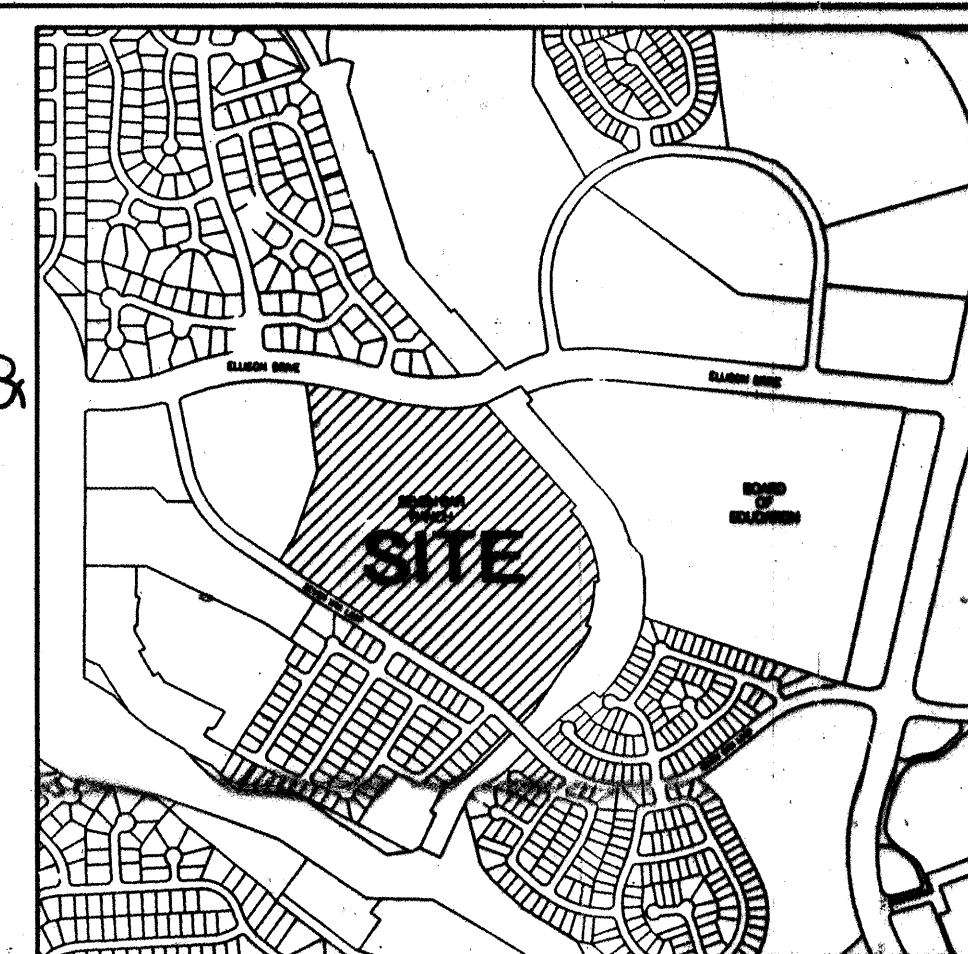
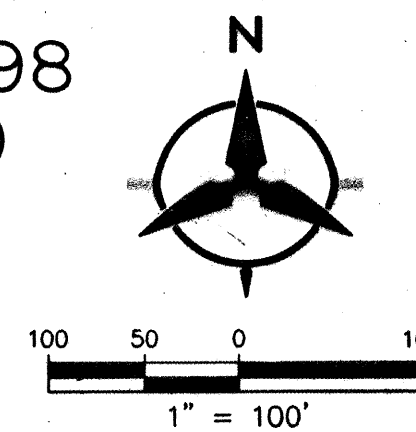
DRB CASE NO. 98-138

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC CHAIRMAN		<i>P. Chang</i>		4-28-99	
		TRANSPORTATION		<i>R. W. Kane</i>		4-6-99	
		WATER/WASTEWATER		<i>Chang</i>		4/6/99	
		HYDROLOGY					
		C.I.P.					
CONSTR. MGMT.							
NMUI						3-2-99	
CONST. CO.							
CITY PROJECT NO.		609181		SHEET		OF 11	

USGS Brass Tablet stamped "Black 2" 1997
Geographic Position (NAD 1927)
N.M. State Plane Coordinates (Central Zone)
X= 372,920.43 Y= 1,530,241.52
Ground-to-Grid Factor = 0.99969164
AZ = 00°14'43"
NGVD 1929 Elevation = 5213.93'

TRACT A-2B
11.4928 ACRES
(PROPOSED SCHOOL SITE)

(AMENDED)
PRELIMINARY PLAT
COTTONWOOD HILLS
& MIRADOR SANDIAS
(CURRENTLY TRACTS A-2A-1 &
A-2A-2, SEVEN BAR NORTH)
ALBUQUERQUE, NEW MEXICO
SEPTEMBER 1998
(REVISED 2/2/99)



VICINITY MAP
ZONE ATLAS MAP NO. A-13, B-13
N.T.S.

CIBOLA
HIGH SCHOOL
Filed: May 17, 1982
(C21-72)

GENERAL NOTES:

- EXISTING ZONING R-1 SINGLE FAMILY DETACHED
- GROSS ACRES 43.6778 ACRES
COTTONWOOD HILLS 27.18 ACRES
MIRADOR SANDIAS 16.49 ACRES
- TOTAL NUMBER OF LOTS: 203 D.U.
COTTONWOOD HILLS 124 D.U.
MIRADOR SANDIAS 79 D.U.
- PROPOSED DENSITY: 4.44 D.U./ACRE OVERALL
COTTONWOOD HILLS 4.41 D.U.
MIRADOR SANDIAS 4.79 D.U.
- MINIMUM LOT DIMENSIONS: 50' x 110'
- ALL STREETS, UTILITIES AND DRAINAGE IMPROVEMENTS ARE TO BE PUBLIC, AND DEDICATED FOR MAINTENANCE TO THE CITY OF ALBUQUERQUE.
- NO INDIVIDUAL LOTS SHALL BE ALLOWED DIRECT ACCESS TO SEVEN BAR LOOP ROAD OR ELLISON DRIVE.
- ALL LOTS ARE TO BE P1 AND SHALL CONFORM TO INTERMITTENT PARKING DESIGN CRITERIA ITEM #1.
- LOTS SETBACKS SHALL CONFORM TO R-1 ZONE REGULATIONS. REQUIRED SETBACKS SHALL INCLUDE:
FRONT YARD: 20' (TYP.)
(15' w/20' TO GARAGE MIN.)
SIDE YARD: 5' (MIN.)
BACKYARD: 15' (MIN.)

SURVEY NOTES:

- ALL BOUNDARY CORNERS SHOWN (●) FOUND 5/8" CAPPED REBAR STAMPED "LS 5823".
- "ALL STREET CENTERLINE MONUMENTATION SHALL BE INSTALLED AT ALL CENTERLINE P.C.'S, P.T.S. ANGLE POINTS, AND STREET INTERSECTIONS AND SHOWN THUS (▲) AND WILL BE MARKED BY (4") ALUMINUM CAP STAMPED "CITY OF ALBUQUERQUE CENTERLINE MONUMENTATION MARKED, DO NOT DISTURB PLS 6544".
- THE SUBDIVISION BOUNDARY WILL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
- BASIS OF BEARINGS WILL BE NEW MEXICO STATE PLANE BEARINGS.
- DISTANCES SHALL BE GROUND DISTANCES.
- MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE, TANGENCY STREET INTERSECTIONS, AND ALL OTHER ANGLE POINTS TO ALLOW USE OF CENTERLINE MONUMENTATION.

APPROVED FOR MONUMENTATION AND STREET NAMES
[Signature] 0229/98
CITY SURVEYOR DATE

OWNER
[Signature] July 29, 1998
RONALD D. BROWN, PRESIDENT
BROWN & ASSOCIATES, INC., MANAGING PARTNER
BROWN/NZ DEVELOPMENT JOINT VENTURE

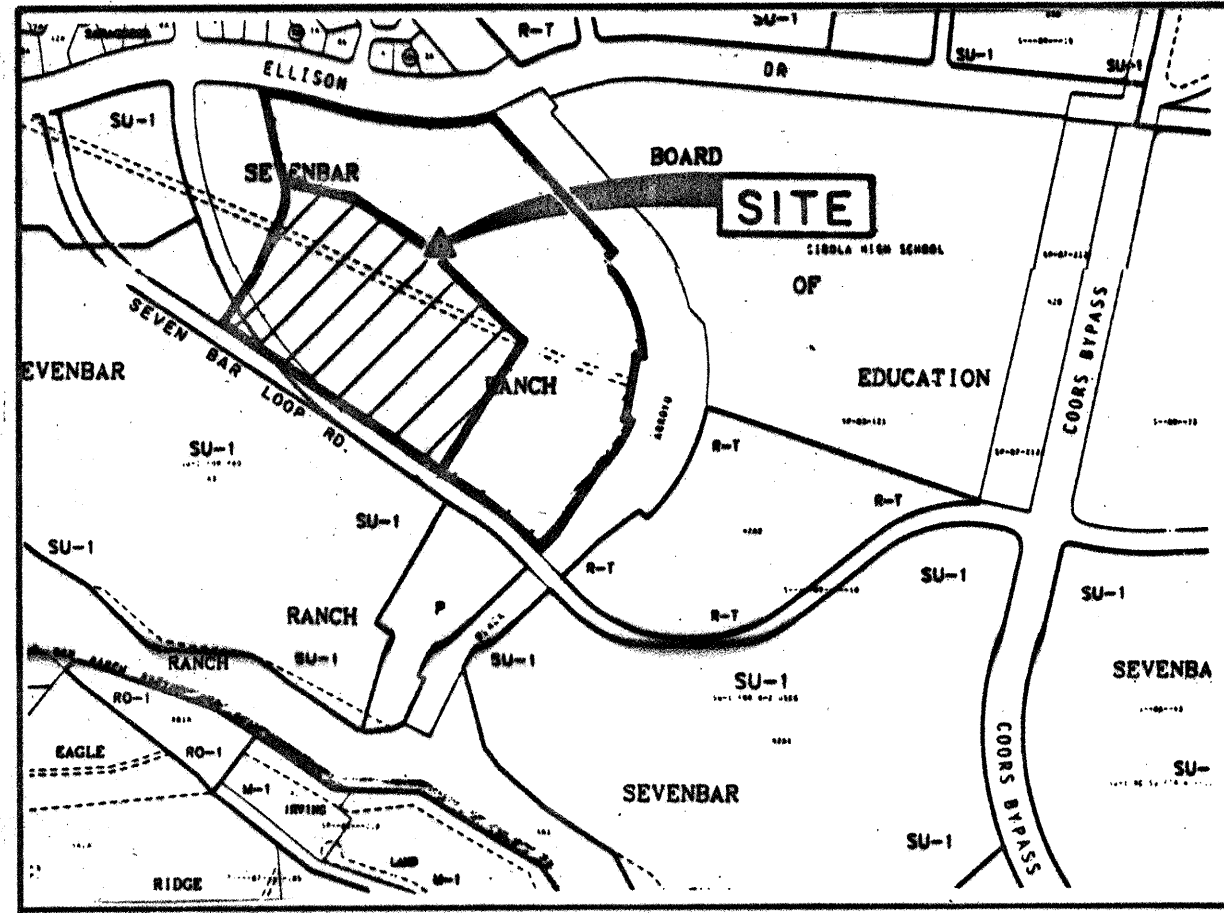
Bohannon & Huston
Surveyors, Planners, Photogrammetrists, Engineers, Software Developers
547.2 OF 11
609181

LEGEND

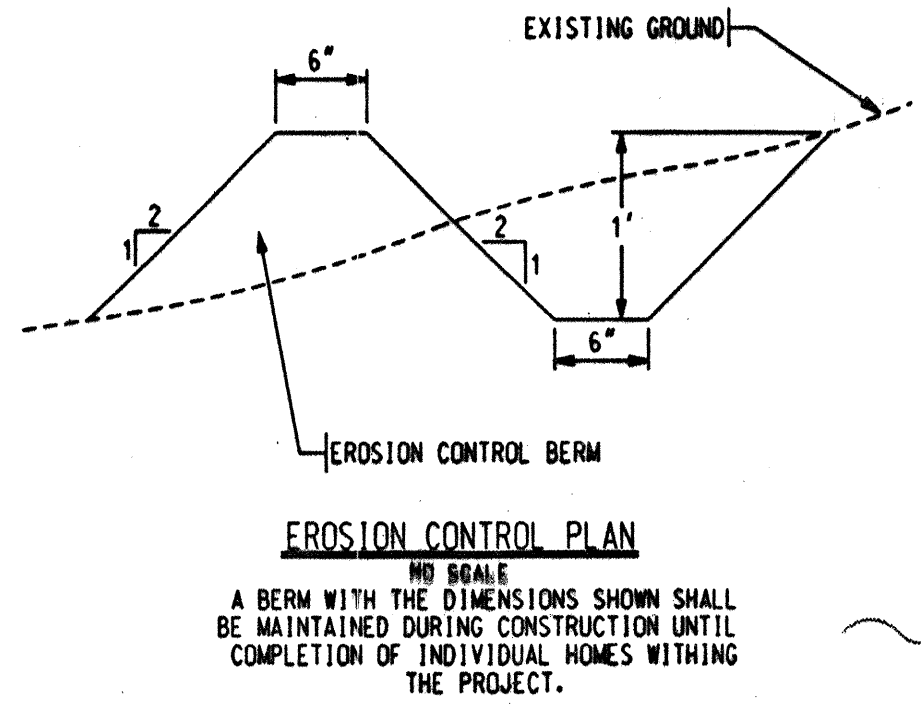
- SUBDIVISION BOUNDARY LINE
- NEW LOT LINE
- ADJOINING PROPERTY LINE
- MONUMENT TIE LINE
- EXISTING EASEMENT LINE
- NEW EASEMENT LINE
- CENTERLINE MONUMENT TO BE INSTALLED
FOUND 5/8" CAPPED REBAR "LS 9750"
FOUND 5/8" CAPPED REBAR
FOUND 5/8" CAPPED REBAR "LS 5823"
CITY OF ALBUQUERQUE SURVEY CONTROL MONUMENT

LINE	DIRECTION	DISTANCE
L-1	N44°43'00"W	29.16'
L-2	S07°25'58"E	47.56'
L-3	S42°37'40"E	25.00'
L-4	N14°22'23"E	23.00'
L-5	N03°16'20"W	24.00'
L-6	N12°05'58"W	17.00'
L-7	N67°48'33"E	11.80'

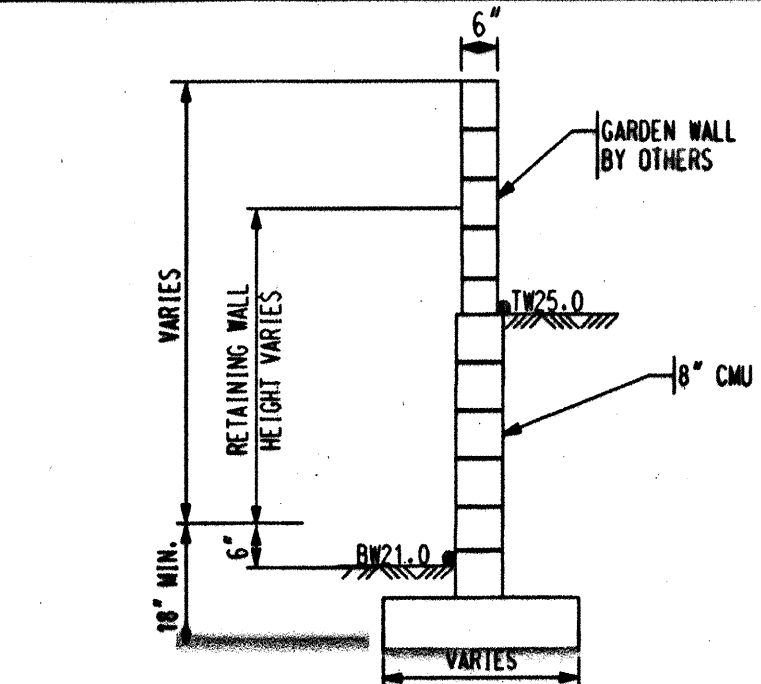
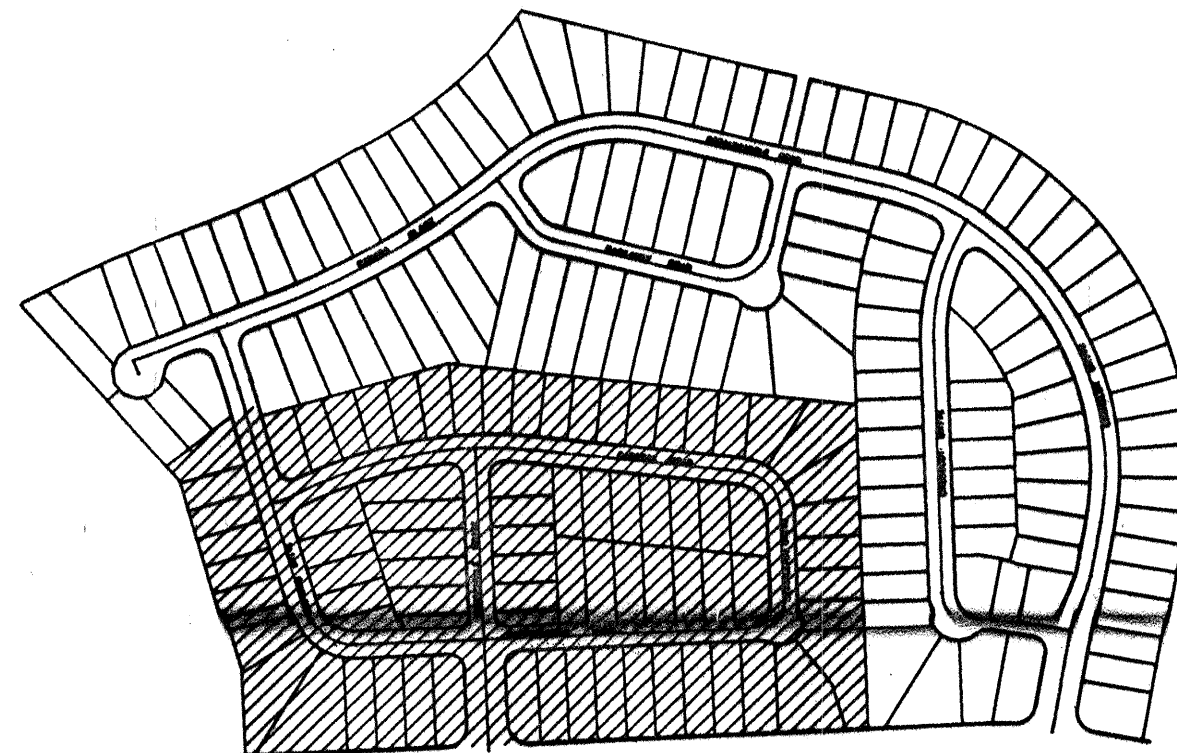
CURV	ADIUS	LENGTH	TANGENT	DELTA
C-1	2132.70'	345.65'	173.21'	09°17'10"
C-2	1277.89'	289.43'	145.34'	12°58'37"
C-3	746.20'	324.64'	154.93'	24°55'33"
C-4	754.61'	59.33'	29.69'	04°30'24"
C-5	580.95'	1034.10'	646.32'	87°00'38"
C-6	884.00'	194.30'	97.54'	12°35'35"
C-7	2086.75'	326.21'	163.44'	08°57'24"
C-8	1324.00'	207.26'	149.26'	12°51'50"
C-9	792.25'	380.62'	194.05'	27°31'34"
C-10	640.94'	973.36'	608.35'	87°00'41"



VICINITY MAP
NOT TO SCALE
ZONE MAP NO. A-13B-18



COTTONWOOD HILLS
SUBDIVISION
(PHASE ONE)



TWO FINISHED GRADE ELEVATION AT TOP OF RETAINING WALL,
ONE FINISHED GRADE ELEVATION AT BOTTOM OF RETAINING WALL.
TYPICAL RETAINING WALL NOMENCLATURE
NO SCALE
(RETAINING HEIGHT IS TAKEN TO BE DIFFERENCE IN
FINISHED GRADES ON LEFT AND RIGHT SIDE OF WALL.)

LEGAL
DESCRIPTION
A PORTION OF TRACT
A-2A SEVEN BAR SOUTH

KEYED NOTES:

1. CONCRETE MASONRY UNIT FENCE REQUIRED ALONG BACK OF LOT 1 THROUGH 14 AND 162 THROUGH 172. STANDARD C.M.U. = 6" X 8" X 16" GROUT REINFORCED CELLS ONLY.
2. FENCING CONTRACTOR IS TO PROVIDE ONE TURNED OUT BLOCK IN LOWEST CORNER OF LOT JUST ABOVE GROUND SURFACE TO PROVIDE BACKYARD DRAINAGE TO SEVEN BAR LOOP ROAD RIGHT OF WAY.
3. FENCING CONTRACTOR IS TO PROVIDE ONE TURNED OUT BLOCK IN LOWEST CORNER OF LOT JUST ABOVE GROUND SURFACE TO PROVIDE BACKYARD DRAINAGE TO THE ADJACENT STREET RIGHT OF WAY. (LOTS 139, 173, 178, 185, 199.)

LEGEND

- PROPOSED SPOT ELEVATION • 5235.25
- TOP OF ROLL CURB ELEVATION • 5235.250
- EXISTING SPOT ELEVATION • 5235.25
- FUTURE SPOT ELEVATION • 5235.25
- PROPOSED RETAINING WALL ———
- EXISTING CONTOUR ———
- DIRECTION OF FLOW ———
- EXISTING STORM DRAIN LINE ———
- EXISTING STORM DRAIN MANHOLE ———
- PROPOSED STORM DRAIN INLET ———
- PROPOSED STORM DRAIN LINE ———
- PROPOSED STORM DRAIN MANHOLE ———
- PROPOSED WATER BLOCK ———
- PROPOSED BACKYARD POOL ———
- EXISTING SAS MANHOLE ———
- PRUING BOUNDARY ———

Bohannon & Huston

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



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

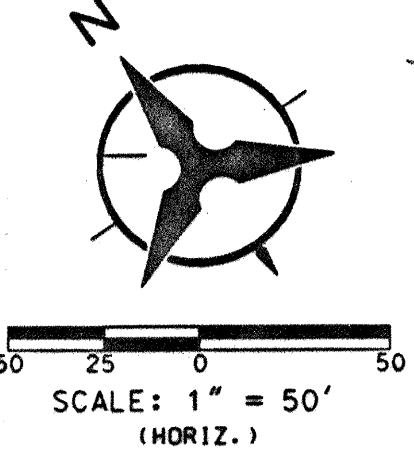
MIRADOR SANDIAS SUBDIVISION
GRADING AND DRAINAGE PLAN

DEVELOPMENT REVIEW BOARD	DRB APPROVAL DATE	LAST DESIGN UPDATE	SHEET
	1 / 1		3 OF 11
DRB# 98-138	609181	ZONE MAP NO. A-13/B-13	

DESIGNED BY JCA/CMB/DB
DRAWN BY CMB/DB
CHECKED BY JCA
DATE 07/99
DATE 07/99
DATE 07/99

COPYRIGHT BOHANNAN HUSTON, 1999

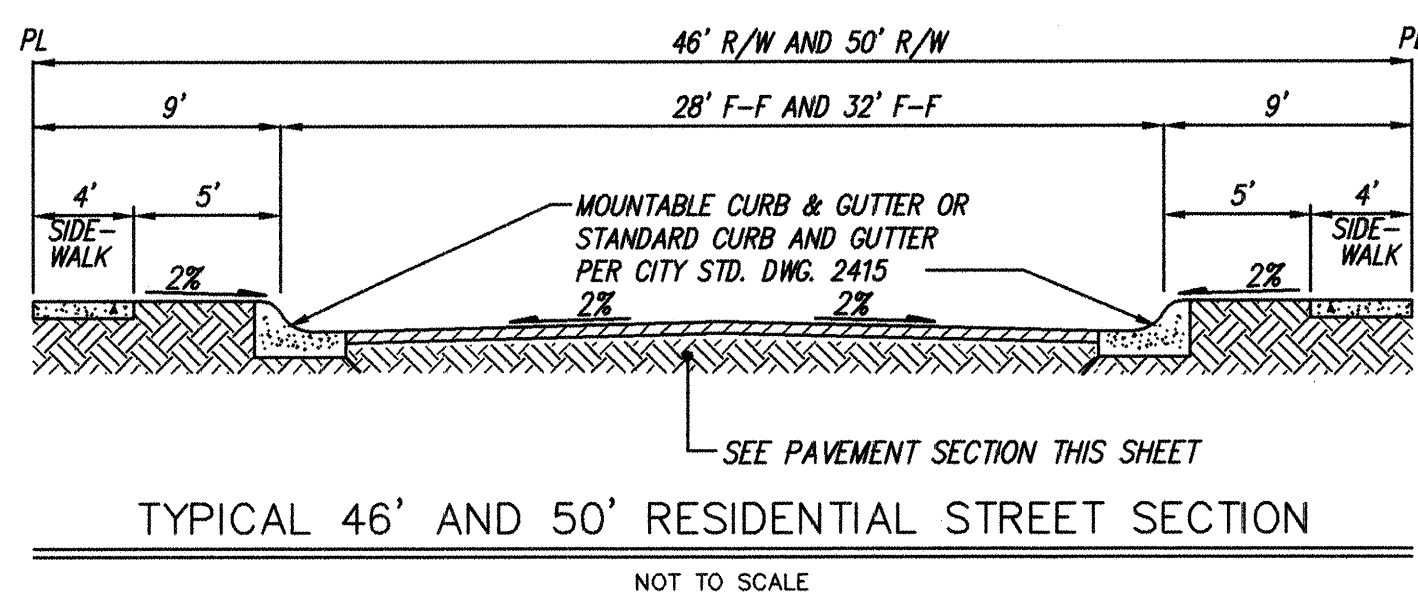
SCANNED BY
MESA REPRO



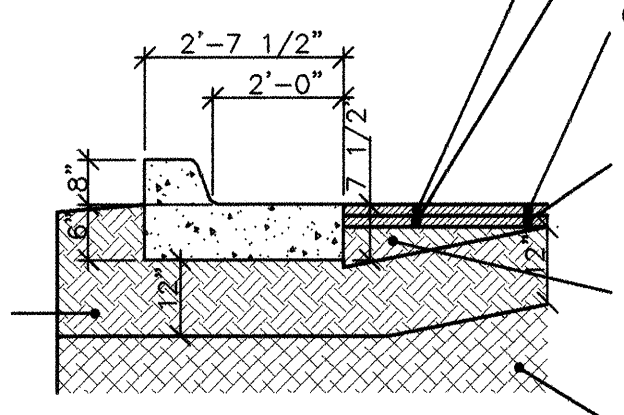
SCALE: 1" = 50'
(HORIZ.)

SCANNED BY
MESA REPRO

C:\JOBS\99\03\018ms\9018pave.dwg Thu Mar 25 11:33:39 1999 BY SPS



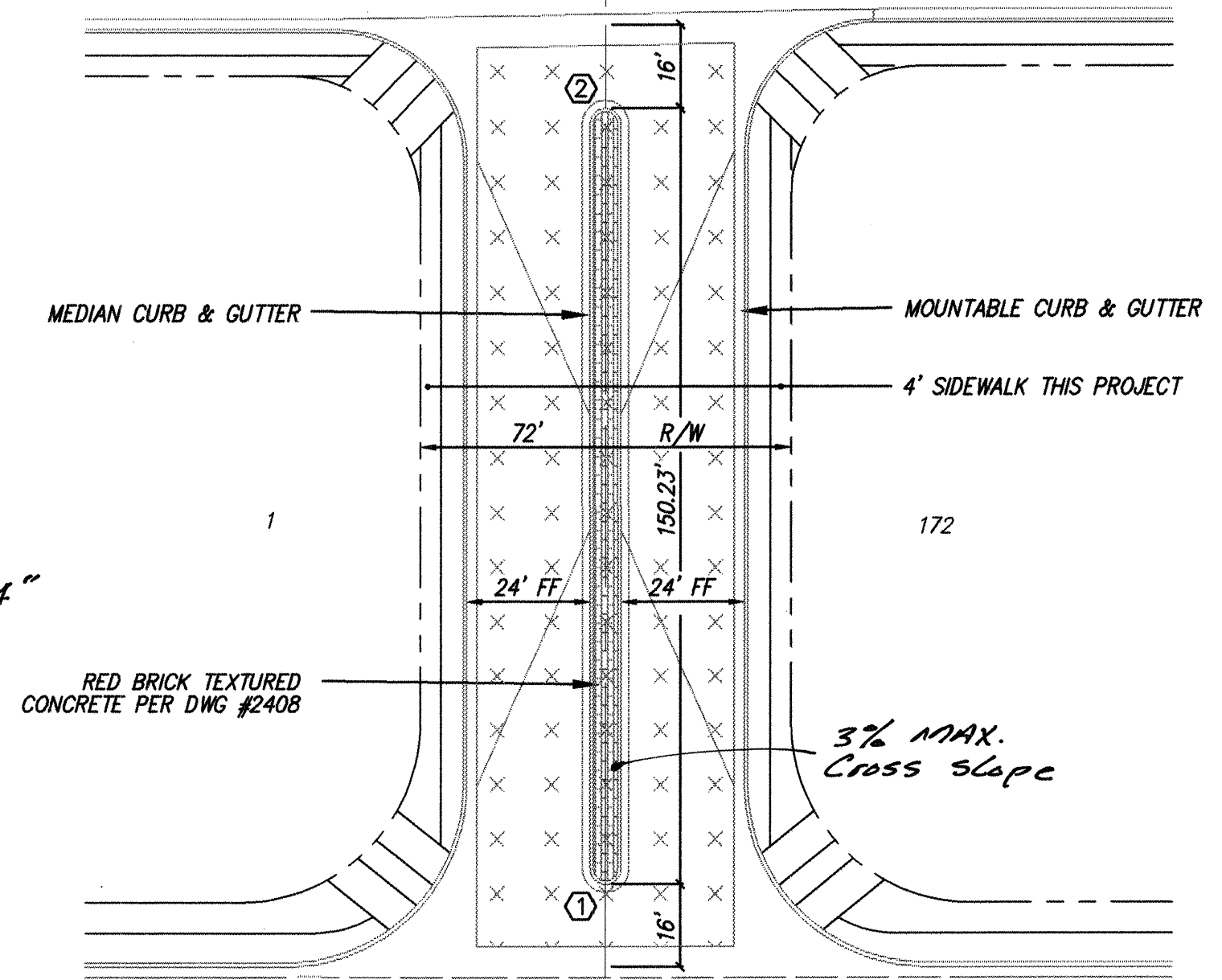
12" SUBGRADE SOIL R-VALUE > 50 RESIDENTIAL, 62 ENTRANCE, PLACED IN 2-6" COMPACTED LIFTS, 95% MIN. COMPACTION, AT OPT. MOISTURE $\pm 2.0\%$ ASTM D1557, OR OPT. MOISTURE TO $\pm 4\%$ ASTM D698 FOR SOIL W/35% OR MORE MATERIAL PASSING THE NO. 200 SIEVE. TO EXTEND FULL WIDTH OF ROADWAY TO 1.0' BACK OF NEW CURB PER SECTION 301.4.1.



NOTE: REQUIRED WHERE 5' ENTRANCE PAVING IS INDICATED THIS SHEET.
2 1/2" ASPHALT CONC. TYPICAL FINISH COURSE PLACED AFTER ALL MANHOLE VALVES COVERS/RINGS ARE SET TO GRADE. 1500 LBS. STABILITY TYPE B GRADATION.
2 1/2" ASPHALT CONCRETE 1500 LBS. STABILITY, TYPE B GRADATION.
1-1/2" ASPHALT CONC. TYPICAL FINISH COURSE PLACED AFTER ALL MANHOLE VALVES COVERS/RINGS ARE SET TO GRADE. 1500 LBS. STABILITY TYPE B GRADATION.
1-1/2" ASPHALT CONCRETE 1500 LBS. STABILITY, TYPE B GRADATION.
5' SUBBASE TO BE ADDED AFTER COMPLETION OF CURB AND TAPERED TO 0" IN 10' FROM EDGE OF GUTTER. SUBGRADE PREP SHALL NOT EXTEND BELOW THE BOTTOM OF THE GUTTER PER SECTION 301.4.1
90% MIN. COMPACTION
NOTE: IF R-VALUE IS LESS THAN 50 CONTRACTOR WILL REPLACE 42" OF SUBGRADE WITH MATERIAL WITH AN R-VALUE OF 50 OR GREATER. IN RESIDENTIAL STREET, R-VALUE OF 62 IS REQUIRED FOR 5' ENTRANCE PAVING.

ENTRANCE AND RESIDENTIAL PAVEMENT SECTION

N.T.S. (PER CITY STD. DWG. 2405)



TYPICAL ENTRANCE PAVING DETAIL

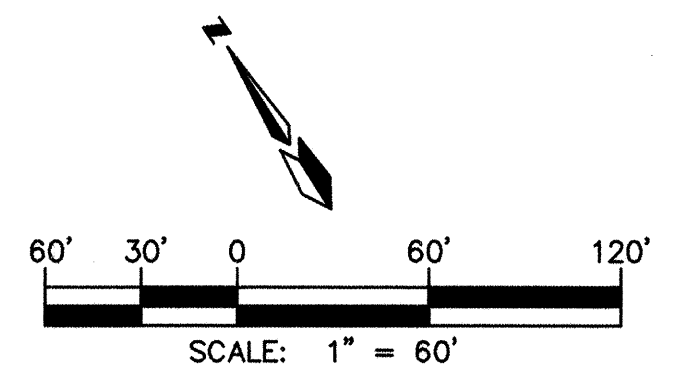
LEGEND	
	PROPERTY LINE
	NEW 8" STANDARD CURB
	NEW 8" DEPRESSED CURB
	NEW MOUNTABLE CURB
	NEW WHEELCHAIR RAMP PER COA STD DWG 2441 CASE II
	50' CROWN TRANSITION (TYP)
	NEW STREET LIGHT
	NEW DEFERRED SIDEWALK

NOTES

- ALL SIDEWALKS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2430.
- ALL 6" VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420.
- ALL 4" VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2421.
- ALL VALLEY GUTTERS ARE TO HAVE 3/4" INVERT.
- ALL 4" INTERIOR SIDEWALKS ARE DEFERRED.
- ALL HANDICAP RAMPS TO BE CASE 2 PER CITY OF ALBUQUERQUE STANDARD DRAWING 2441.
- TRANSITION FROM MOUNTABLE TO STANDARD CURB SHALL BE PER CITY OF ALBUQUERQUE STANDARD DRAWING 2418.
- TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50'.
- ALL STANDARD CURB AND GUTTER SHALL BE 8" PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415.
- 79 RESIDENTIAL LOTS TO BE CONSTRUCTED THIS PROJECT.

CURVE DATA - DESCRIBES FACE OF CURB

① $R=6.00'$
 $\Delta=180^\circ 00' 00''$
 $L=18.85'$
 $T=--$
② $R=6.00'$
 $\Delta=180^\circ 00' 00''$
 $L=18.85'$
 $T=--$



dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

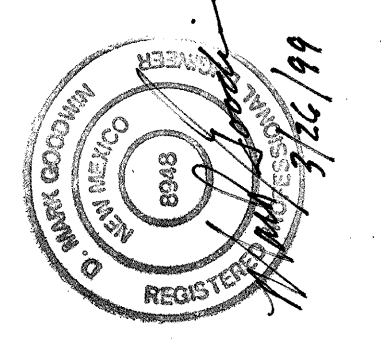
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

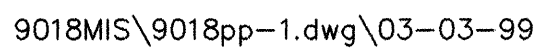
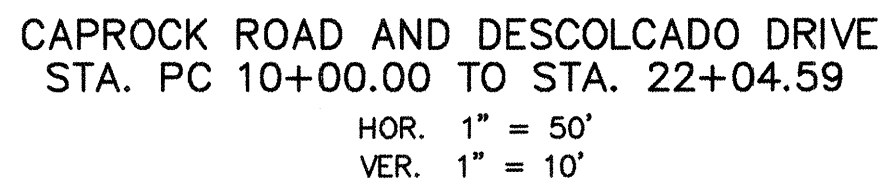
TITLE: MIRADOR SANDIAS SUBDIVISION MASTER PAVING PLAN

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

CITY PROJECT NO. 609181 ZONE MAP NO. A13 & B13 SHEET 4 OF 11

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		DATE		DATE	
CONTRACTOR	DATE	ACS ALUMINUM TABLE STAMPED "A-B13" (MAY 1997)	DATE	FIELD NOTES	BY	NO.	DATE	NO.	DATE	BY	DATE	DMG	02/99	DMG	02/99
WORK BY	DATE	N.M. STATE PLANE COORD. (CENTRAL ZONE)	DATE									SPS	02/99	DMG	02/99
INSPECTOR'S ACCEPTANCE BY	DATE	X=357,489.27 Y=1,525,104.55 GRID FACTOR 0.9996705	DATE												
FIELD VERIFICATION BY	DATE	DELTA ALPHA = 0.01425 ELEVATION 5169.51'	DATE												
DRAWINGS CORRECTED BY	DATE	USGS BRASS TABLE STAMPED "BLACK 2 1997" (MAY 1997)	DATE												
RECORDED BY	DATE	N.M. STATE PLANE COORDINATES (CENTRAL ZONE)	DATE												
		X = 372,920.43 Y = 1,530,241.32 GROUND TO GRID FACTOR													
		0.99966164, DELTA ALPHA=0.01443 ELEVATION 5203.93'													





1. ALL STATIONING IS CENTERLINE STATIONING.
2. VALLEY GUTTER ARE 6' UNLESS SPECIFIED OTHERWISE.
3. STANDARD TO MOUNTABLE CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2418.

① $R=200.00'$ ② $R=728.00'$ ③ $R=75.00'$ ④ $R=75.00'$
 $\Delta=11^{\circ}30'09''$ $\Delta=33^{\circ}19'01''$ $\Delta=82^{\circ}07'12''$ $\Delta=89^{\circ}36'23''$
 $L=40.15'$ $L=423.33'$ $L=107.49'$ $L=117.29'$
 $T=20.14'$ $T=217.84'$ $T=65.33'$ $T=74.49'$

① $R=25.00'$
 $\Delta=100.33'43''$
 $L=43.87'$
 $T=30.09'$

② $R=25.00'$
 $\Delta=797.419''$
 $L=34.14'$
 $T=20.33'$

③ $R=25.00'$
 $\Delta=93.0429''$
 $L=61.31'$
 $T=26.68'$

④ $R=25.00'$
 $\Delta=82.24'54''$
 $L=40.76'$
 $T=26.54'$

⑤ $R=25.00'$
 $\Delta=36.59'24''$
 $L=16.14'$
 $T=8.36'$

⑥ $R=25.00'$
 $\Delta=36.59'24''$
 $L=16.14'$
 $T=8.36'$

⑦ $R=89.00'$
 $\Delta=075.52'48''$
 $L=127.56'$
 $T=77.53'$

⑧ $R=61.00'$
 $\Delta=075.52'48''$
 $L=87.43'$
 $T=53.14'$

⑨ $R=714.00'$
 $\Delta=22211.02''$
 $L=280.60'$
 $T=142.13'$

⑩ $R=714.00'$
 $\Delta=045.51'37''$
 $L=60.57'$
 $T=30.30'$

⑪ $R=742.00'$
 $\Delta=32.39'34''$
 $L=422.91'$
 $T=217.37'$

NOTE: DEPRESSED CURB &
GUTTER RT. SIDE
STA 20+87.30 TO
STA 22+04.59

CITY PROJECT NO. 609181	ZONE MAP NO. A-13 & B-13	SHEET NO. 1
----------------------------	-----------------------------	----------------

--	--	--

66/972/513/26/99

1

66/

5

DATE	DESCRIPTION	AMOUNT	BALANCE
1/1/20	Opening Balance		100.00
1/15/20	Deposit	50.00	150.00
2/1/20	Withdrawal	20.00	130.00
2/15/20	Deposit	30.00	160.00
3/1/20	Withdrawal	10.00	150.00
3/15/20	Deposit	40.00	190.00
4/1/20	Withdrawal	30.00	160.00
4/15/20	Deposit	20.00	180.00
5/1/20	Withdrawal	10.00	170.00
5/15/20	Deposit	30.00	200.00
6/1/20	Withdrawal	20.00	180.00
6/15/20	Deposit	40.00	220.00
7/1/20	Withdrawal	30.00	190.00
7/15/20	Deposit	20.00	210.00
8/1/20	Withdrawal	10.00	200.00
8/15/20	Deposit	30.00	230.00
9/1/20	Withdrawal	20.00	210.00
9/15/20	Deposit	40.00	250.00
10/1/20	Withdrawal	30.00	220.00
10/15/20	Deposit	20.00	240.00
11/1/20	Withdrawal	10.00	230.00
11/15/20	Deposit	30.00	260.00
12/1/20	Withdrawal	20.00	240.00
12/15/20	Deposit	40.00	280.00
1/1/21	Withdrawal	30.00	250.00
1/15/21	Deposit	20.00	270.00
2/1/21	Withdrawal	10.00	260.00
2/15/21	Deposit	30.00	290.00
3/1/21	Withdrawal	20.00	270.00
3/15/21	Deposit	40.00	310.00
4/1/21	Withdrawal	30.00	280.00
4/15/21	Deposit	20.00	300.00
5/1/21	Withdrawal	10.00	290.00
5/15/21	Deposit	30.00	320.00
6/1/21	Withdrawal	20.00	300.00
6/15/21	Deposit	40.00	340.00
7/1/21	Withdrawal	30.00	310.00
7/15/21	Deposit	20.00	330.00
8/1/21	Withdrawal	10.00	320.00
8/15/21	Deposit	30.00	350.00
9/1/21	Withdrawal	20.00	330.00
9/15/21	Deposit	40.00	370.00
10/1/21	Withdrawal	30.00	340.00
10/15/21	Deposit	20.00	360.00
11/1/21	Withdrawal	10.00	350.00
11/15/21	Deposit	30.00	380.00
12/1/21	Withdrawal	20.00	360.00
12/15/21	Deposit	40.00	400.00
1/1/22	Withdrawal	30.00	370.00
1/15/22	Deposit	20.00	390.00
2/1/22	Withdrawal	10.00	380.00
2/15/22	Deposit	30.00	410.00
3/1/22	Withdrawal	20.00	390.00
3/15/22	Deposit	40.00	430.00
4/1/22	Withdrawal	30.00	400.00
4/15/22	Deposit	20.00	420.00
5/1/22	Withdrawal	10.00	410.00
5/15/22	Deposit	30.00	440.00
6/1/22	Withdrawal	20.00	420.00
6/15/22	Deposit	40.00	460.00
7/1/22	Withdrawal	30.00	430.00
7/15/22	Deposit	20.00	450.00
8/1/22	Withdrawal	10.00	440.00
8/15/22	Deposit	30.00	470.00
9/1/22	Withdrawal	20.00	450.00
9/15/22	Deposit	40.00	490.00
10/1/22	Withdrawal	30.00	460.00
10/15/22	Deposit	20.00	480.00
11/1/22	Withdrawal	10.00	470.00
11/15/22	Deposit	30.00	500.00
12/1/22	Withdrawal	20.00	480.00
12/15/22	Deposit	40.00	520.00
1/1/23	Withdrawal	30.00	490.00
1/15/23	Deposit	20.00	510.00
2/1/23	Withdrawal	10.00	500.00
2/15/23	Deposit	30.00	530.00
3/1/23	Withdrawal	20.00	510.00
3/15/23	Deposit	40.00	550.00
4/1/23	Withdrawal	30.00	520.00
4/15/23	Deposit	20.00	540.00
5/1/23	Withdrawal	10.00</	

[illegible][illegible]

--	--

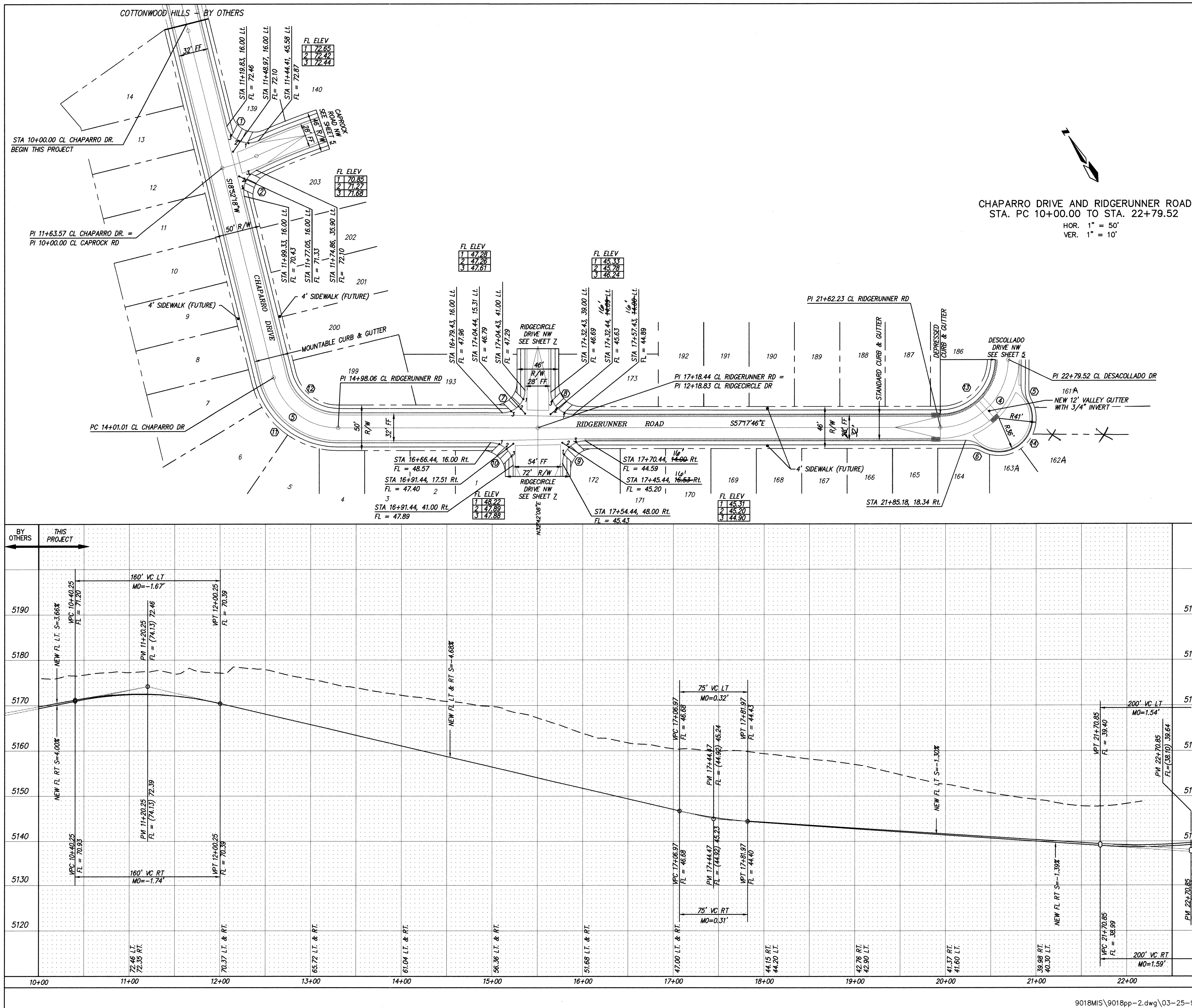
eds

Y

NAWN

2

Y/YR



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.
2. VALLEY GUTTER ARE 6' UNLESS SPECIFIED OTHERWISE.
3. STANDARD TO MOUNTABLE CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2418.

CURVE DATA - DESCRIBES CENTERLINE

④ $R=75.00'$
 $\Delta=89^{\circ}36'23''$
 $L=117.29'$
 $T=74.49'$

⑤ $R=73.00'$
 $\Delta=76^{\circ}10'04''$
 $L=97.04'$
 $T=57.21'$

CURVE DATA - DESCRIBES FACE OF CURB

① $R=25.00'$
 $\Delta=1003.033''$
 $L=43.87'$
 $T=30.09'$

② $R=25.00'$
 $\Delta=7914.19''$
 $L=34.14'$
 $T=20.33'$

③ $R=25.00'$
 $\Delta=3659.24''$
 $L=16.14'$
 $T=8.36'$

④ $R=25.00'$
 $\Delta=959.24''$
 $L=16.14'$
 $T=8.36'$

⑤ $R=25.00'$
 $\Delta=869.59''$
 $L=15.97'$
 $T=25.00'$

⑥ $R=25.00'$
 $\Delta=869.59''$
 $L=39.27'$
 $T=25.00'$

⑦ $R=25.00'$
 $\Delta=869.59''$
 $L=39.27'$
 $T=25.00'$

⑧ $R=25.00'$
 $\Delta=869.59''$
 $L=39.27'$
 $T=25.00'$

⑨ $R=25.00'$
 $\Delta=100.06''$
 $L=39.27'$
 $T=25.00'$

⑩ $R=25.00'$
 $\Delta=869.59''$
 $L=39.27'$
 $T=25.00'$

⑪ $R=89.00'$
 $\Delta=7670.04''$
 $L=118.31'$
 $T=69.74'$

⑫ $R=57.00'$
 $\Delta=7670.04''$
 $L=75.77'$
 $T=44.67'$

⑬ $R=61.00'$
 $\Delta=8936.23''$
 $L=95.40'$
 $T=60.58'$

⑭ $R=36.00'$
 $\Delta=6335.12''$
 $L=102.78'$
 $T=249.62'$

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

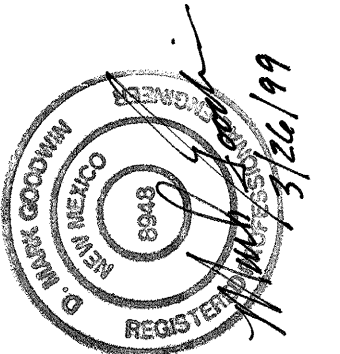
 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

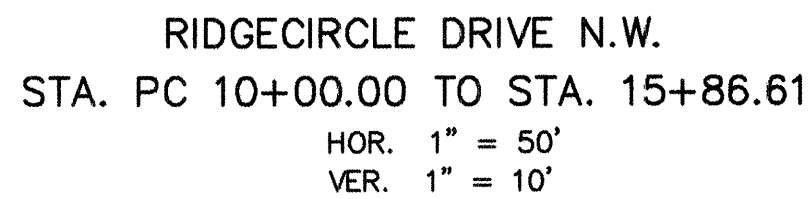
TITLE: *MIRADOR SANDIAS SUBDIVISON
PAVING IMPROVEMENTS
RIDGERUNNER ROAD N.W. AND CHAPARRO DRIVE N.W.*

	DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
609181	A-13 & B-13	6	11

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION		
NO.	FIELD NOTES		DATE	BY	CONTRACTOR	WORK	
						MADE BY	DATE
		ACS ALUMINUM TABLET STAMPED "4-813" (MAD 1927)				WORK MADE BY	DATE
		N.M. STATE PLANE COORD. (CENTRAL ZONE) X=357,489.27 Y=1525,104.55 GRD.-GRD FACTOR 0.9996705 DELTA ALPHA = 0014'25" ELEVATION 5163.51'				ACCEPTED BY	DATE
						FIELD DRAWINGS	DATE
						REVISIONS	DATE
						CORRECTED BY	DATE
		USGS BRASS TABLET STAMPED "BLACK 2 1997" (MMS 1927)				MICRO-FILM INFORMATION	
		N.M. STATE PLANE COORDINATES (CENTRAL ZONE) X = 372,920.43 Y = 1,530,241.52 GROUND TO GRD FACTOR 0.999669164 DELTA ALPHA=0014'43" ELEVATION 5213.93'				RECORDED BY	DATE
						NO.	

[illegible]



1. ALL STATIONING IS CENTERLINE STATIONING.
2. VALLEY GUTTER ARE 6' UNLESS SPECIFIED OTHERWISE.
3. STANDARD TO MOUNTABLE CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2418.

⑤ $R=25.00'$
 $\Delta=93.07^{\circ}29''$
 $L=40.76'$
 $T=26.38'$

④ $R=25.00'$
 $\Delta=93.24^{\circ}54''$
 $L=40.76'$
 $T=26.54'$

⑦ $R=25.00'$
 $\Delta=90.00^{\circ}06''$
 $L=39.27'$
 $T=25.00'$

⑥ $R=25.00'$
 $\Delta=89.39^{\circ}54''$
 $L=39.27'$
 $T=25.00'$

⑧ $R=25.00'$
 $\Delta=90.00^{\circ}06''$
 $L=39.27'$
 $T=25.00'$

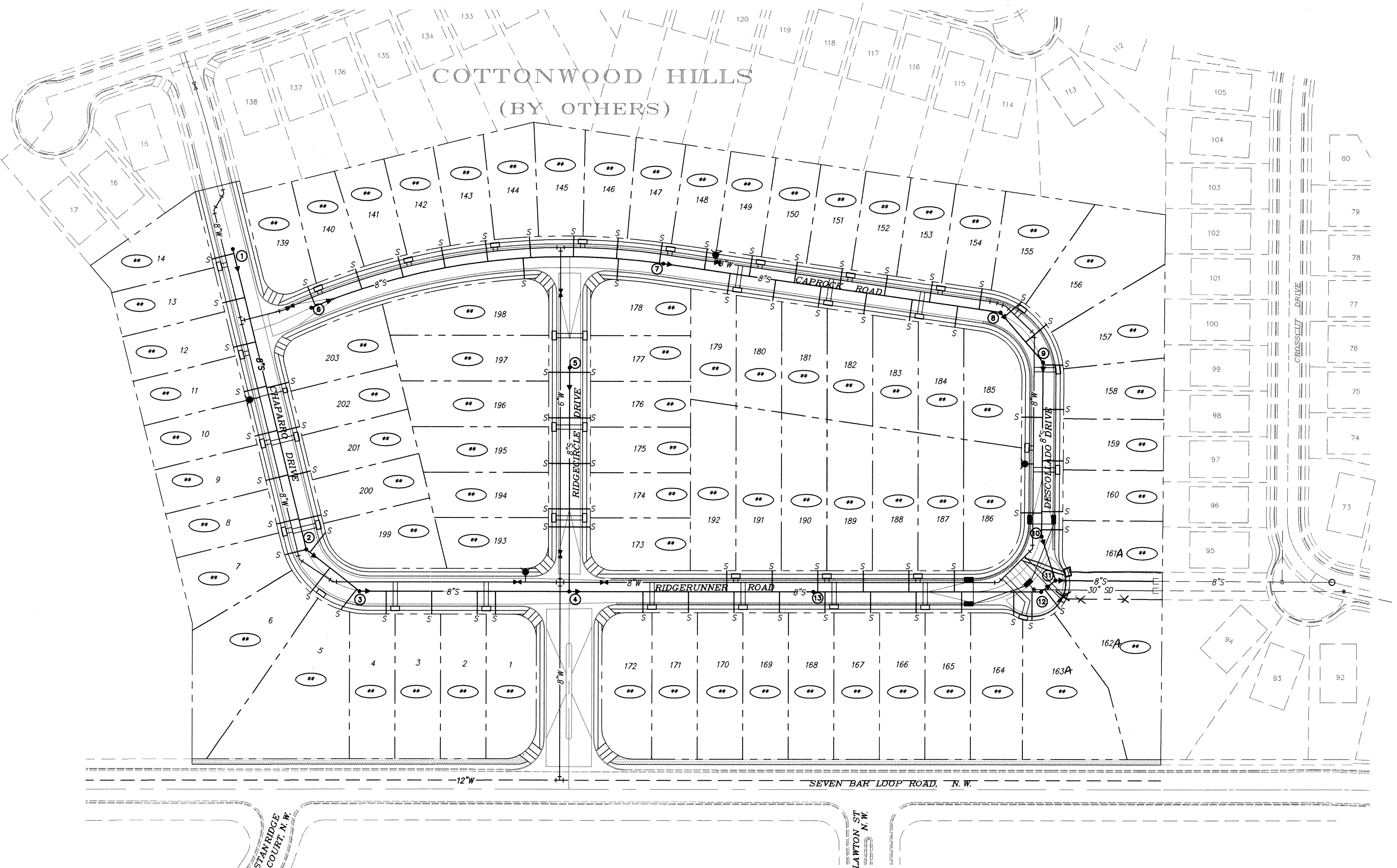
⑩ $R=25.00'$
 $\Delta=89.59^{\circ}54''$
 $L=39.27'$
 $T=25.00'$

② $R=35.00'$
 $\Delta=90.75^{\circ}46''$
 $L=55.14'$
 $T=35.16'$

③ $R=35.00'$
 $\Delta=90.06^{\circ}25''$
 $L=55.04'$
 $T=35.07'$

SURVEY INFORMATION			BENCH-MARKS		AS BUILT - INFORMATION		
NO.	FIELD NOTES		DATE		CONTRACTOR	WORKED BY	DATE
	BY						
		ACS ALUMINUM TABLE STAMPED "4-BIS" (MAD 1927)				SUNDANCE	
		N.M. STATE PLANE COORD. (CENTRAL ZONE) X=357,489.27 Y=1,525,04.55 GRID-ORD FACTOR 0.9998705 DELTA ALPHA = .001425' ELEVATION 5169.51'				AJS, INC	99
						MGA	1/19/99
						VERIFICATION BY AJS, INC	DATE 99
						DRAWINGS CORRECTED BY AJS, INC	DATE 1/19/99
		USGS BRASS TABLET STAMPED "BLACK 2 1997" (NAS 1927)				MICRO-FILM INFORMATION	
		N.M. STATE PLANE COORDINATES (CENTRAL ZONE) X = 372,920.43 Y = 1,530,241.52 GROUND TO GRID FACTOR 0.999699164 DELTA ALPHA=.001443" ELEVATION 5213.93'				RECORDED BY	DATE
						NO.	
						Cite Inspector: B. McCall	

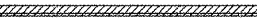
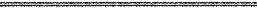
CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
609181	A-13 & B-13	7	11

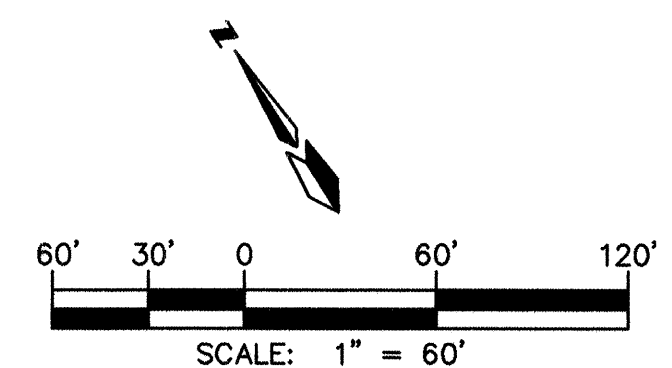


NOTES

1. TRAFFIC BEARING WATER METER BOX REQUIRED WHERE INSTALLED IN SIDEWALK.
2. ALL WATER METERS TO BE INSTALLED BEHIND CURB
3. ALL VALVES TO BE LOCATED IN ASPHALT PAVING.
4. ALL FIRE HYDRANTS SHALL BE VALVED.

LEGEND

	PROPERTY LINE
	NEW 8" STANDARD CURB
	NEW MOUNTABLE CURB
	EXIST. FIRE HYDRANT
	NEW FIRE HYDRANT
	DOUBLE WATER SERVICE
	SINGLE WATER SERVICE
	SANITARY SEWER SERVICE
	SANITARY SEWER MANHOLE NUMBER
	LOT 19
	GATE VALVE
	TEE
	BEND
	DROP INLET
	STREET ADDRESS
	NEW WATER VALVE
	EXIST. WATER VALVE

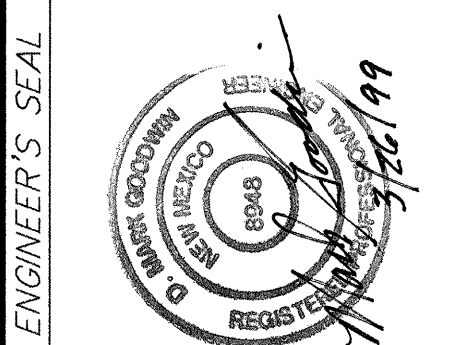


dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **MIRADOR SANDIAS SUBDIVISION
MASTER UTILITY PLAN**

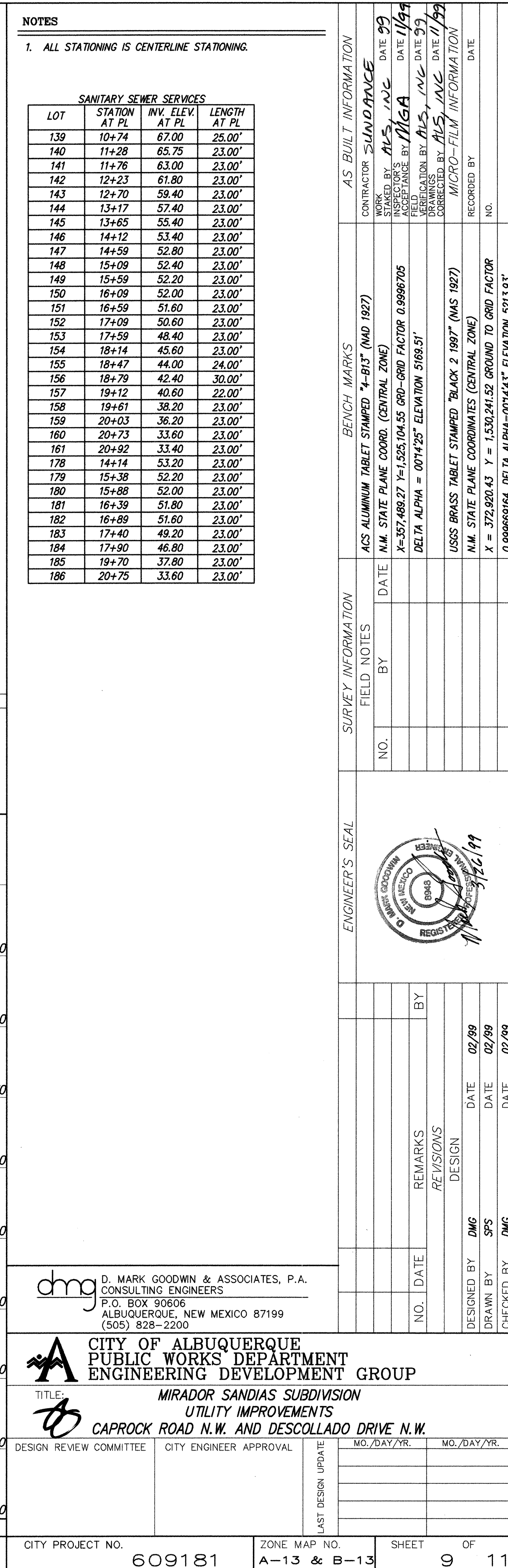
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO. 609181		ZONE MAP NO. A13 & B13	SHEET 8	OF 11



SURVEY INFORMATION			FIELD NOTES		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	DATE					CONTRACTOR	DATE
			ACS ALUMINUM TABLE STAMPED "4-B13" (MAD 1927)				STARTED BY	ALZ, INC
			N.M. STATE PLANE COORD. (CENTRAL ZONE)				INSPECTOR'S	DATE 99
			X=357,489.27 Y=1,525,104.55 GRID FACTOR 0.9986705				FIELD MEASUREMENTS BY	DATE 11/99
			DELTA ALPHA = 0074.25° ELEVATION 5168.5'				FIELD VERIFICATION BY	DATE 99
							CORRECTED BY	DATE 11/99
			USGS BRASS TABLE STAMPED "BLACK 2 1997" (NAS 1927)				MICRO-FILM INFORMATION	
			N.M. STATE PLANE COORDINATES (CENTRAL ZONE)				RECORDED BY	DATE
			X = 372,920.43 Y = 1,530,241.52 GROUND TO GRID FACTOR				NO.	
			0.998669164, DELTA ALPHA=0074.43° ELEVATION 5213.93'				City Inspector: B. McCall	

NO.		DATE	REMARKS	BY
<i>REVISIONS</i>				
<i>DESIGN</i>				
DESIGNED BY			<i>DMG</i>	DATE <i>02/99</i>
DRAWN BY			<i>SPS</i>	DATE <i>02/99</i>

DATE PROJECT GROUP													
SUBDIVISION PLAN <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;">MO./DAY/YR.</td> <td style="width: 50%; padding: 5px;">MO./DAY/YR.</td> </tr> <tr><td style="height: 30px;"></td><td></td></tr> <tr><td style="height: 30px;"></td><td></td></tr> <tr><td style="height: 30px;"></td><td></td></tr> <tr><td style="height: 30px;"></td><td></td></tr> <tr><td style="height: 30px;"></td><td></td></tr> </table>		MO./DAY/YR.	MO./DAY/YR.										
MO./DAY/YR.	MO./DAY/YR.												
SHEET	OF												



CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- 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.
- 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.
- 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.
- CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24-HOUR PER DAY BASIS UNTIL COMPLETED.
- 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.
- 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.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- 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.
- 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.
- 48 HOURS PRIOR TO OCCUPANCY 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.
- 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:
- STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 - SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

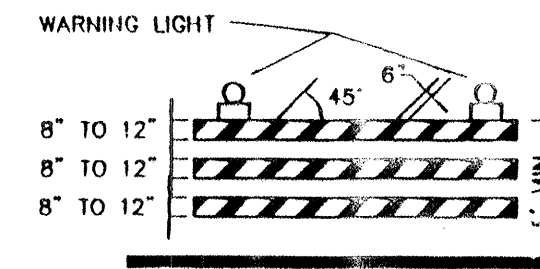
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

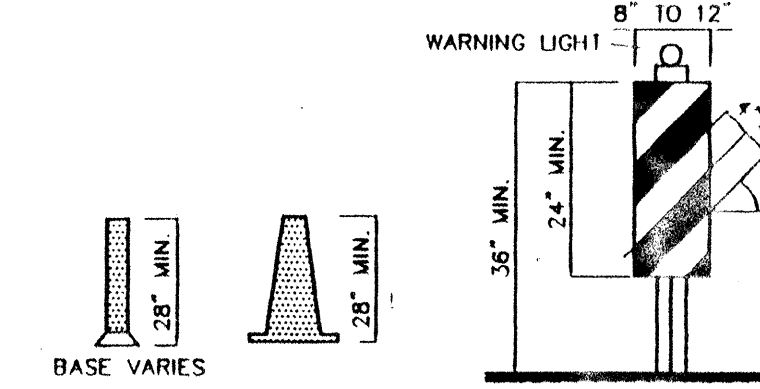
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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. 



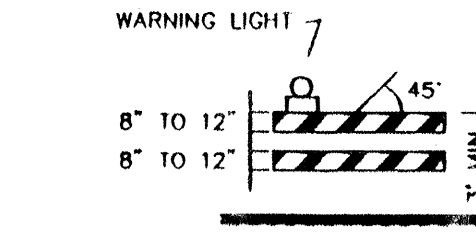
TYPE III BARRICADE



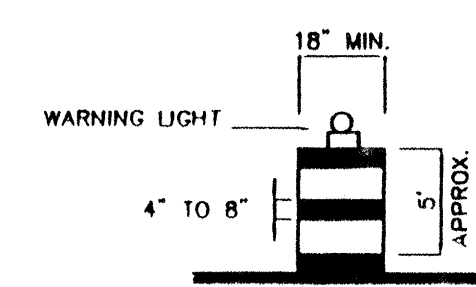
CONES

VERTICAL PANEL

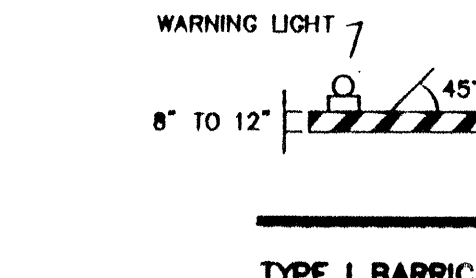
HIGH LEVEL WARNING DEVICE



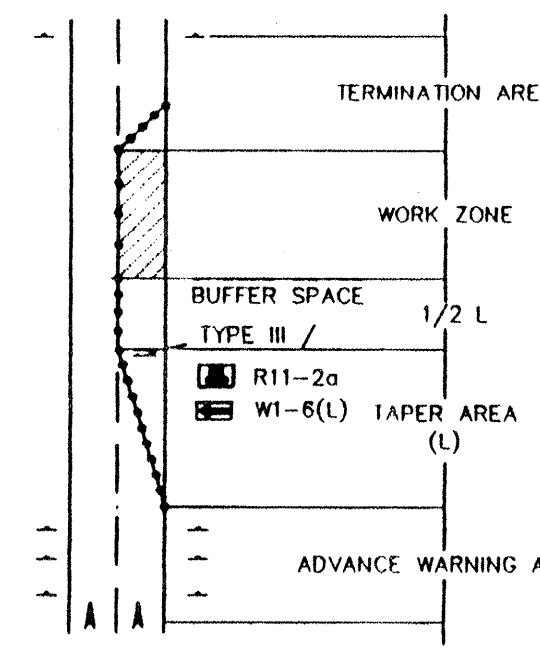
TYPE I BARRICADE



BARREL



TYPE I BARRICADE



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 LIMIT (MPH)	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 $L = \frac{WS^2}{60}$

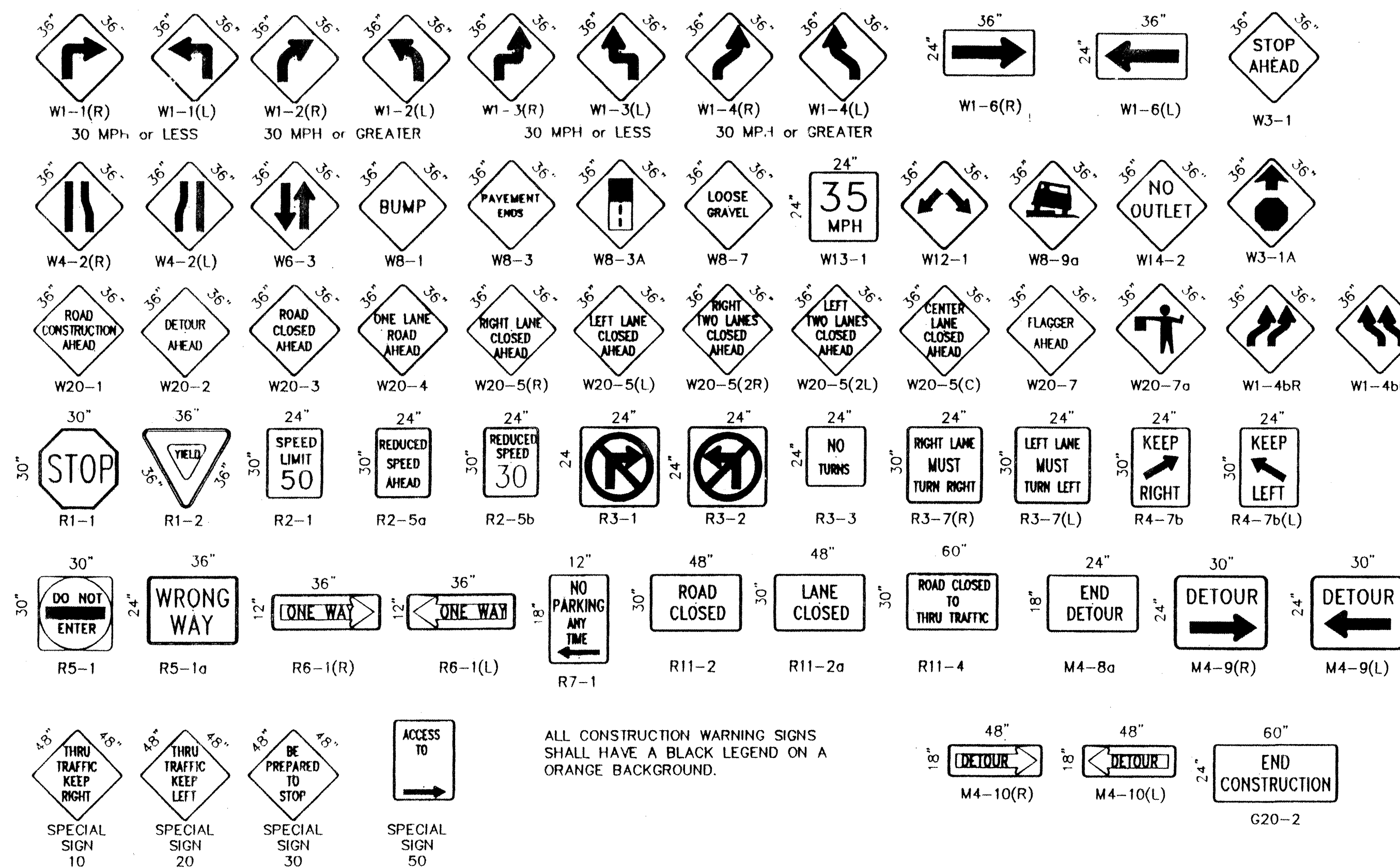
45 MPH OR GREATER, $L = W \times S$

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.

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
LAST UPDATE	
PROJECT NO. 609181	MAP NO.
SHEET 11A OF 11	

