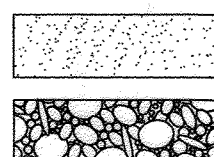


• L E G E N D •

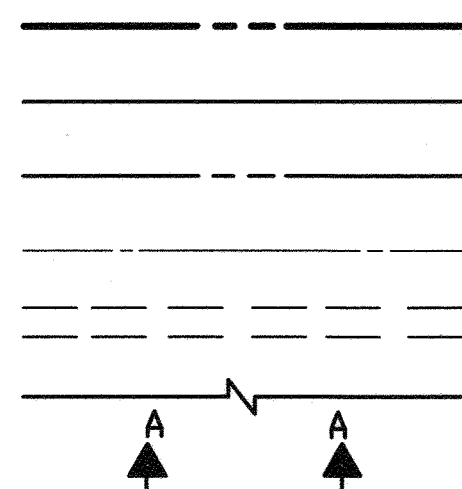
MATERIALS

CONCRETE
RIP-RAP



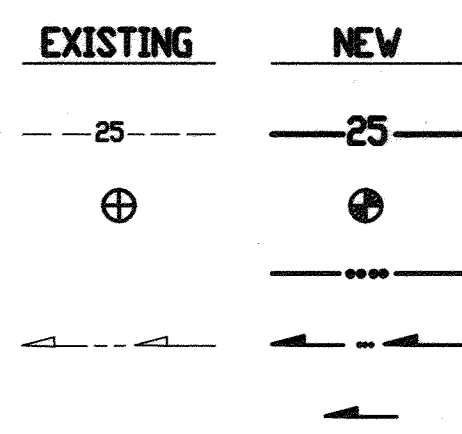
LINES

SUBDIVISION BOUNDARY
PROPERTY LINE (PLAN)
PROPERTY LINE (SECTION)
CENTERLINE
EASEMENT LINE
MATCH LINE
SECTION CUT LINE



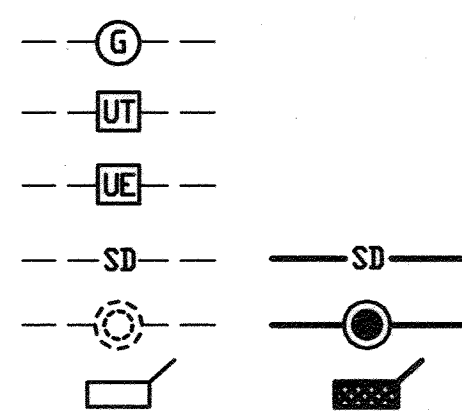
EARTHWORK

CONTOUR LINE
SPOT ELEVATION
PROJECT / PHASE BOUNDARY
FLOWLINE
DIRECTION OF FLOW



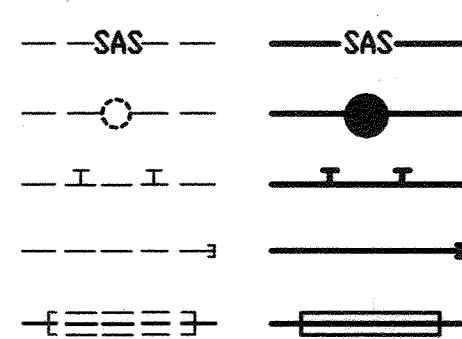
MISCELLANEOUS UTILITIES

GAS LINE
UNDERGROUND TELEPHONE
UNDERGROUND ELECTRICAL
STORM DRAIN
STORM DRAIN MANHOLE
STORM DRAIN INLET



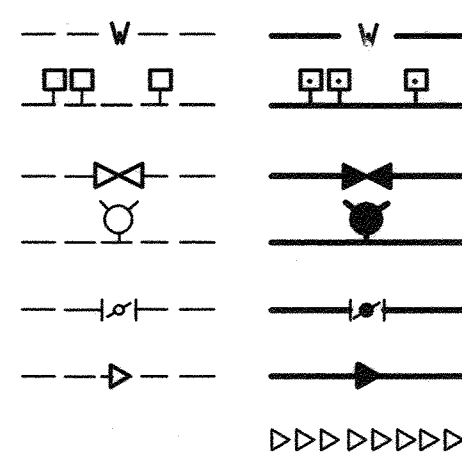
SANITARY SEWER

SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SAS SERVICE CONNECTIONS
SAS CAP OR PLUG
ENCASEMENT



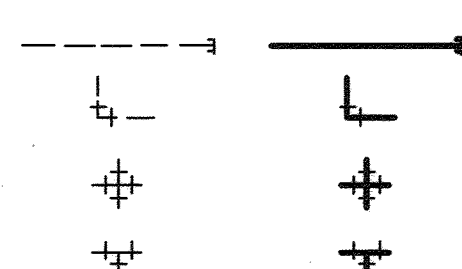
WATER

WATER LINE
WATER SERVICE CONNECTIONS
GATE VALVE
FIRE HYDRANT
BUTTERFLY VALVE
REDUCER
WATER PRESSURE ZONE BOUNDARY



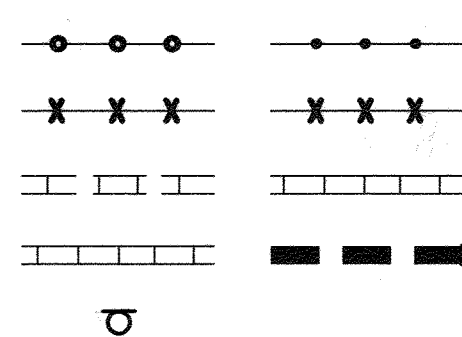
WATER FITTINGS

CAPS AND PLUGS
ELBOW
CROSS
TEE



MISCELLANEOUS

CHAINLINK FENCE
FIELD FENCE
COMMON YARD WALL
RETAINING WALL
POWER OR TELEPHONE POLE



RECORD DRAWING

CONSTRUCTION PLANS
for
MONTAÑO VISTA SUBDIVISION
PUBLIC INFRASTRUCTURE IMPROVEMENTS
ALBUQUERQUE, NEW MEXICO
JUNE, 1995

RECORD DRAWING

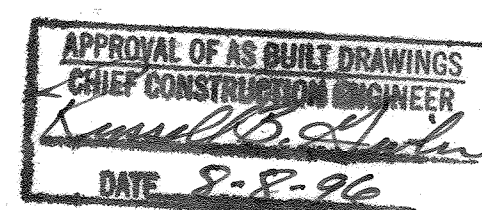
I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.



INDEX OF DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET, VICINITY MAP, GENERAL NOTES, LEGEND AND INDEX OF DRAWINGS
2	SUBDIVISION PLAT (FOR INFORMATION ONLY)
3	GRADING AND DRAINAGE PLAN (FOR INFORMATION ONLY)
3A	LOTS 14, 15, 16 GRADING & DRAINAGE PLAN (FOR INFO. ONLY)
4	SITE PLAN
5	SECTIONS AND DETAILS
6	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS
7	TYPICAL TRAFFIC CONTROL AND SIGNING EXAMPLES

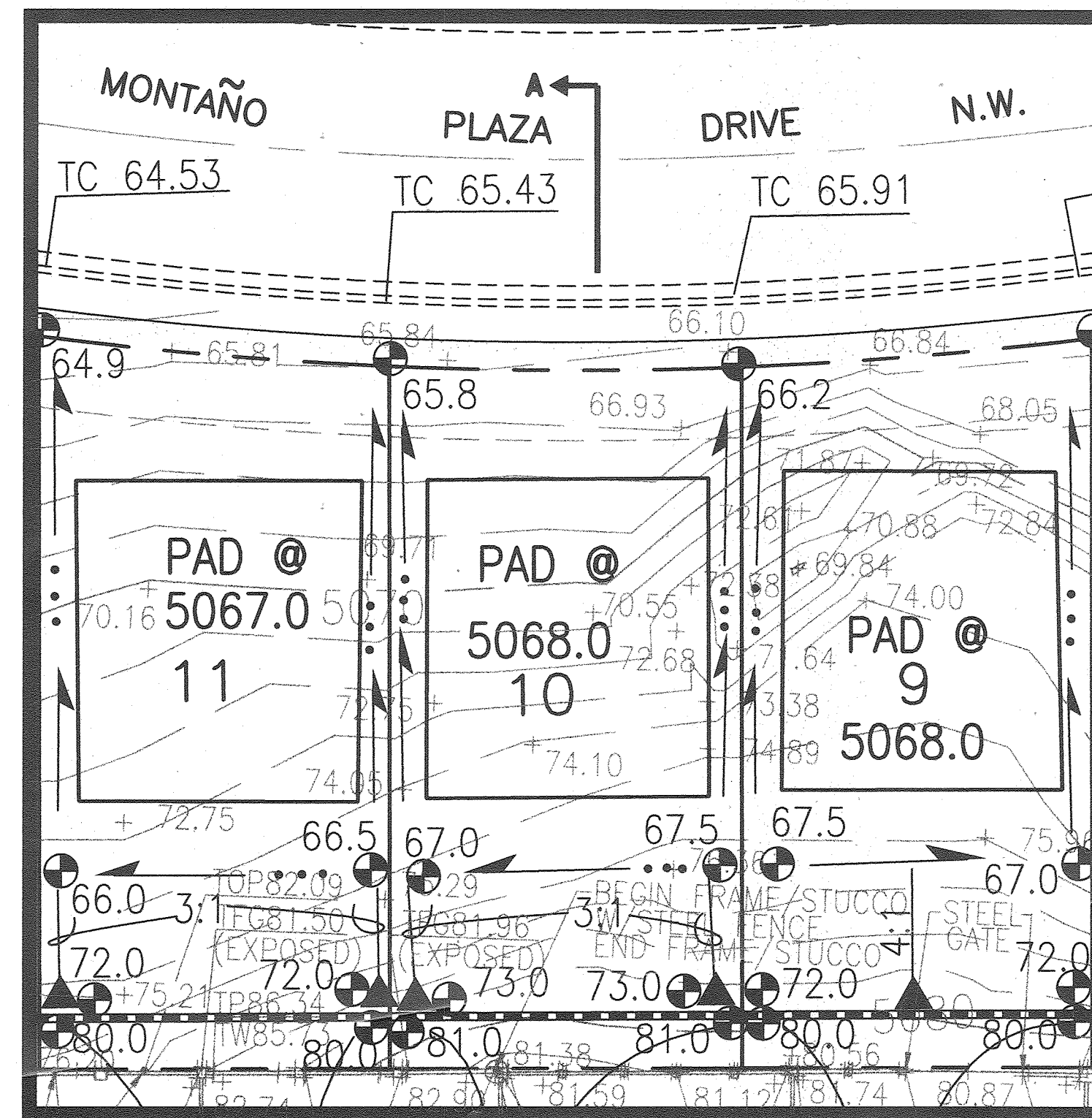
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-5236.90 01/19/96



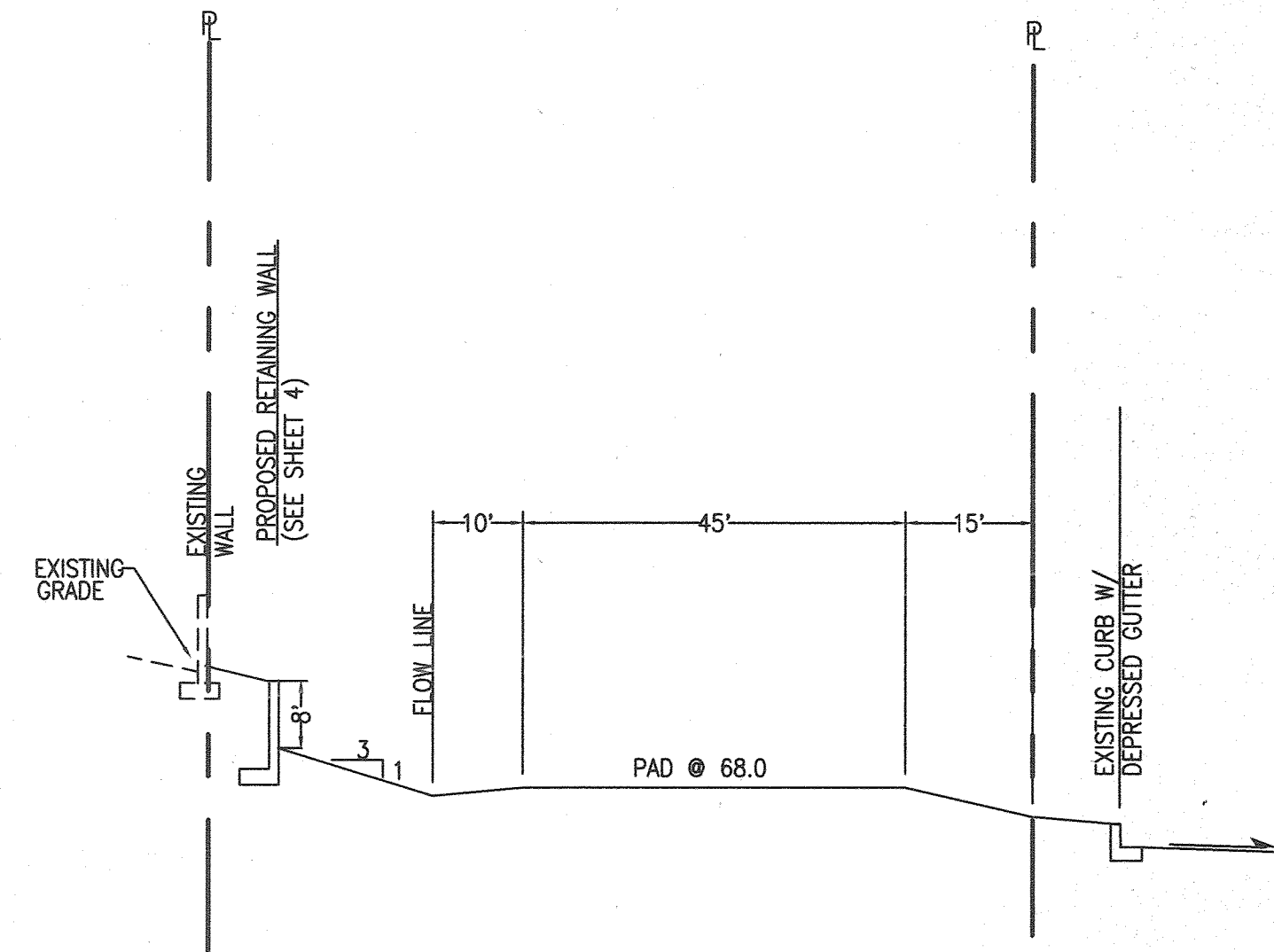
△	1-7						
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
APPROVAL OF REVISIONS							

		APPROVED FOR CONSTRUCTION
	PROJECT NO. 5236.90	SHEET 1 OF 7

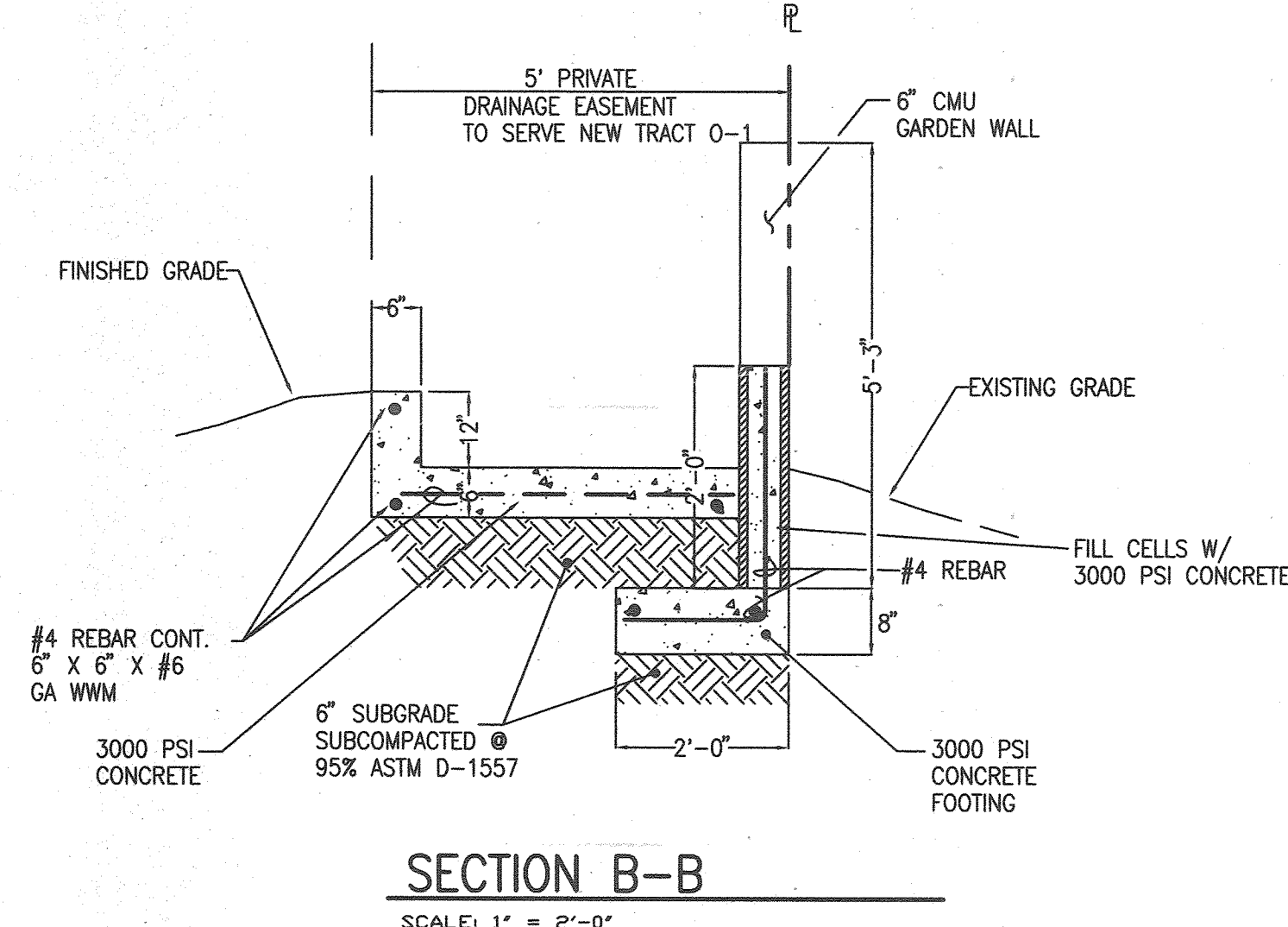
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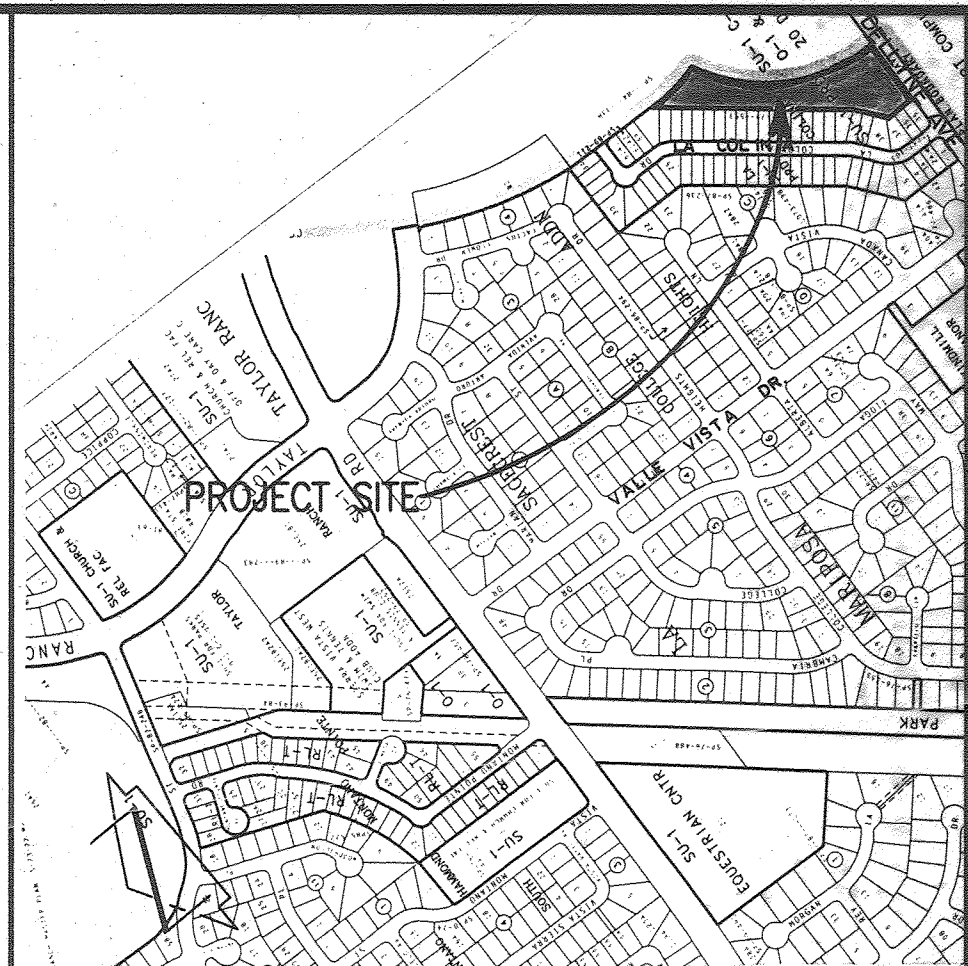
DETAIL 1
SCALE: 1" = 20'



SECTION A-A
SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL



SECTION B-B
SCALE: 1" = 2'-0"



VICINITY MAP
SCALE: 1" = 750'

PROJECT BENCHMARK
AN ACS 1 3/4" ALUMINUM DISK STAMPED "ACS BN. 11-E11" SET ON TOP OF THE CONCRETE CURB AT THE END RETURN OF THE INTERSECTION OF DELLYNE AVE. AND VALLE VISTA DRIVE N.W.
ELEVATION = 5103.70 FEET (M.S.L.D.)

T.B.M.
A "C" CHISELED ON TOP OF CURB
ELEV. = 5065.28 FEET (M.S.L.D.)

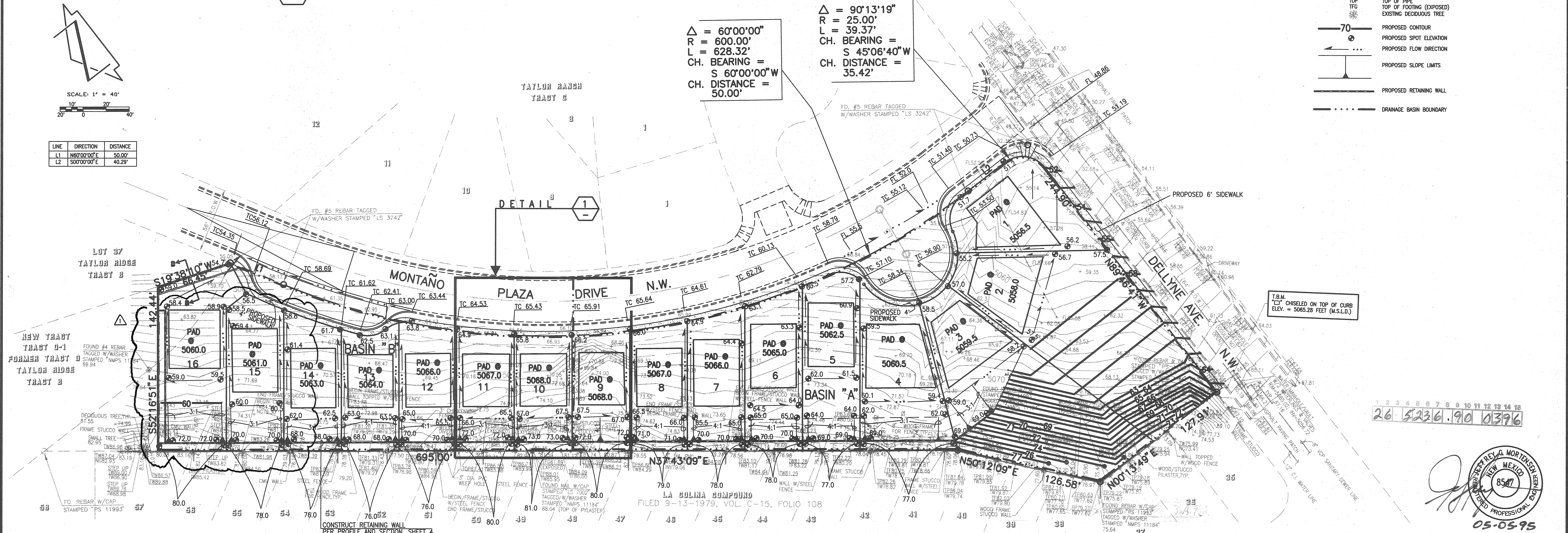
LEGAL DESCRIPTION
TRACT 18-C-2, TAYLOR RANCH, ALBUQUERQUE, N.M.

- LEGEND**
- EXISTING SPOT ELEVATION
 - EXISTING CONTOUR
 - TOP OF CURB
 - FLOW LINE
 - NATURAL GROUND
 - TOP OF PLYASTER
 - TOP OF WOOD FRAME
 - TOP OF WALL
 - TOP OF PIPE
 - TOP OF FOOTING (EXPOSED)
 - EXISTING DECIDUOUS TREE
 - PROPOSED CONTOUR
 - PROPOSED SPOT ELEVATION
 - PROPOSED FLOW DIRECTION
 - PROPOSED SLOPE LIMITS
 - PROPOSED RETAINING WALL
 - DRAINAGE BASIN BOUNDARY

$\Delta = 60^{\circ}00'00''$
 $R = 600.00'$
 $L = 628.32'$
CH. BEARING =
 $S 60^{\circ}00'00''W$
CH. DISTANCE =
50.00'

$\Delta = 90^{\circ}13'19''$
 $R = 25.00'$
 $L = 39.37'$
CH. BEARING =
 $S 45^{\circ}06'40''W$
CH. DISTANCE =
35.42'

LINE	DIRECTION	DISTANCE
L1	N60°00'00"E	50.00'
L2	S00°00'00"E	40.29'



APPROVED FOR ROUGH GRADING:

John P. Custer 5-12-95
HYDROLOGY SECTION DATE

DESIGNED BY	DRAWN BY	APPROVED BY	DATE	REVISIONS	JOB NO.
J.G.M.	C.J.H.	J.G.M.	5-12-95	RECORD DRAWING, REFER TO SHEET 3A FOR REVISIONS IN THIS AREA	941111
					DATE 03-1995
					SHEET 3 OF 7

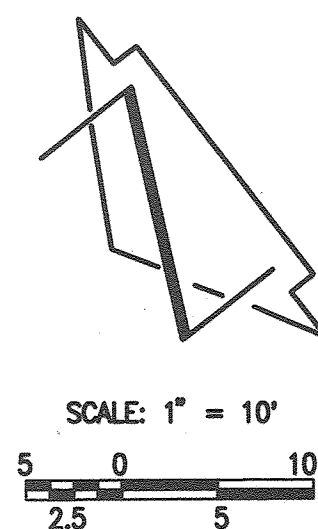
JMA JEFF MORTENSEN & ASSOCIATES, INC.
600-B MIDWAY PARK BLVD., N.E.
ALBUQUERQUE, N.M. 87109
ENGINEERS & SURVEYORS (C-001) 345-4250

GRADING PLAN
MONTAÑO VISTA SUBDIVISION

PROJECT NUMBER 5236.90

KEYED NOTES:

- (A) CONSTRUCT TYPE IV RETAINING WALL
- (B) CONSTRUCT TYPE III (SIM) RETAINING WALL
- (C) CONSTRUCT TYPE III (SIM) RETAINING WALL
- (D) CONSTRUCT TYPE II RETAINING WALL

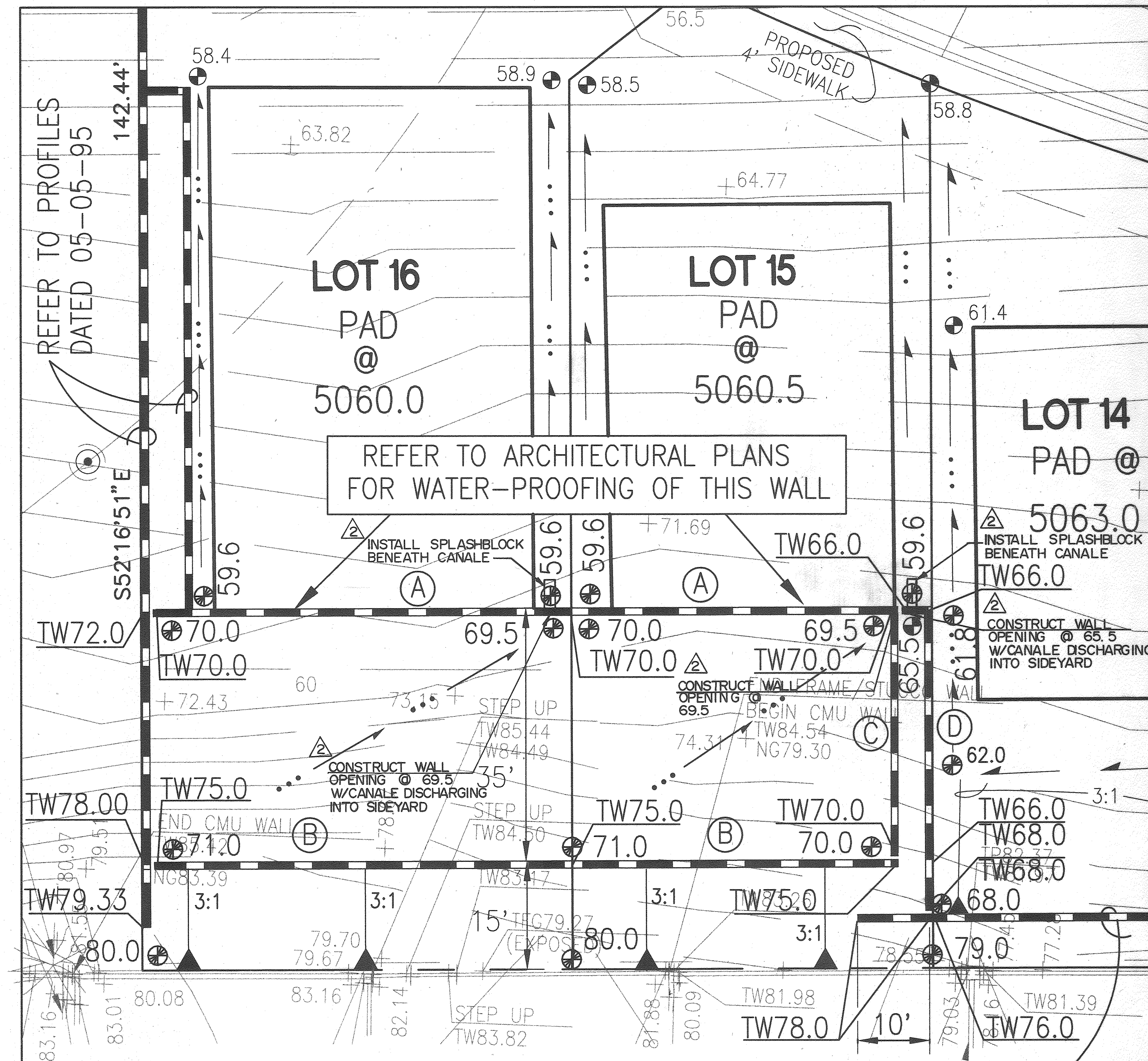
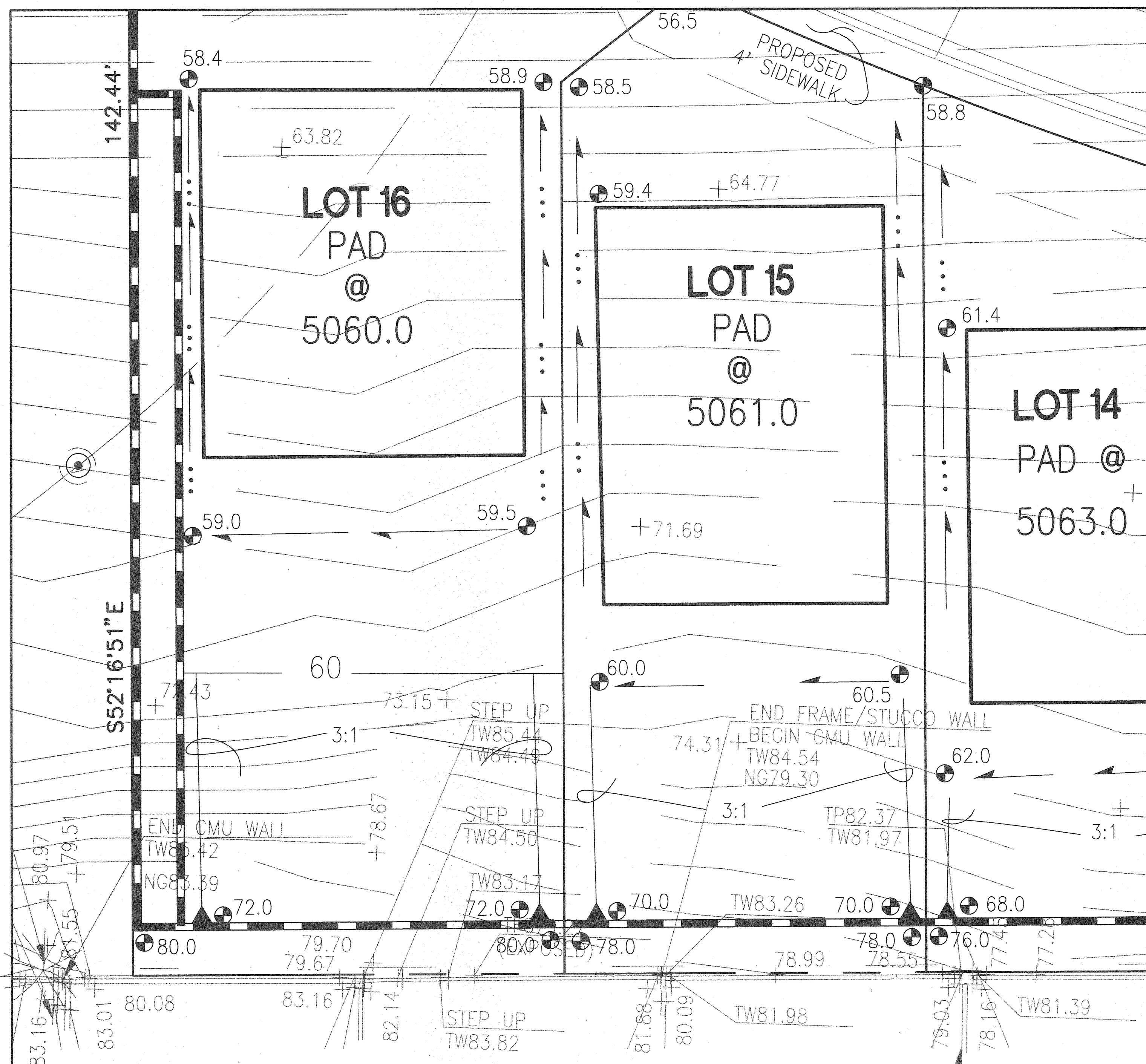


LEGEND

- +64.77 EXISTING CONTOUR
- 60.0 EXISTING SPOT ELEVATION
- 70.0 AS APPROVED ELEVATION
- 70.0 SUPPLEMENTAL REVISED ELEVATION
- ... DIRECTION OF FLOW
- TW68.0 TOP OF WALL ELEVATION
- 3:1 SLOPE

NOTE:

THIS PLAN IS A SUPPLEMENT TO THE APPROVED PLAN DATED 05-05-95. REFER TO SHEET 5 OF 6 FOR "GRADING NOTES", "EROSION CONTROL MEASURES" AND "RETAINING WALL NOTES".



AS APPROVED

RECORD DRAWING

PROPOSED REVISIONS

REFER TO PROFILES
DATED 05-05-95



JEFF MORTENSEN & ASSOCIATES, INC.
6002-B MIDWAY PARK BLVD. NE
ALBUQUERQUE, NEW MEXICO 87109
ENGINEERS & SURVEYORS (505) 245-4250

LOTS 14, 15 AND 16
GRADING PLAN SUPPLEMENT
MONTANO VISTA SUBDIVISION

APPROVALS:

Donald G. Hoech, Trustee, 2/20/96
Hoech Real Estate Corporation Defined Benefit Plan
Nola Kay Stofac, Trustee, 2/20/96
Nola Kay Stofac Money Purchase Plan

DESIGNED BY J.G.M.
DRAWN BY S.G.H.
APPROVED BY J.G.M.

NO.	DATE	BY	REVISIONS
2	3/96	JGM	ADD CANALES AND SPLASHBLOCKS
1	5/96	MFD	RECORD DRAWING

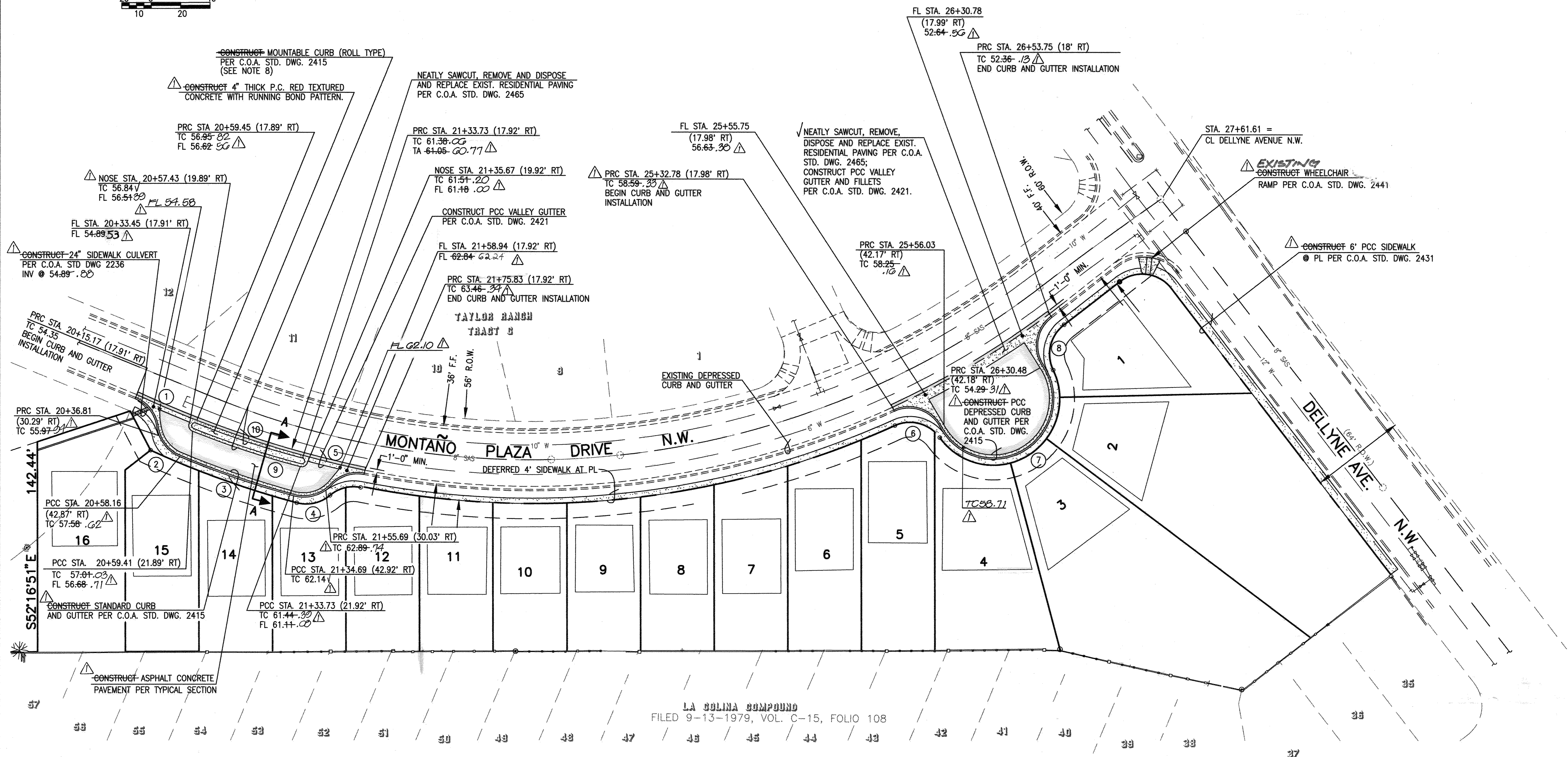
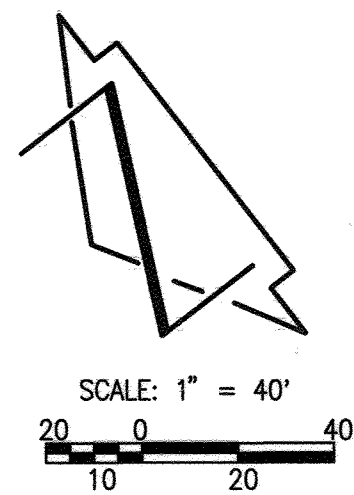
JOB NO. 941111
DATE 02-1996
SHEET 3A OF 7



RECORD DRAWING

QUARTER POINTS (CLOCKWISE)			SIXTEENTH POINTS (CLOCKWISE)			CURVE DATA TABLE						
①	TC	FL	⑤	TC	FL	⑦	TC	FL	CURVE	Δ	R	L
1	54.76	54.09	1	63.03	62.36	1	54.64	53.97	①	59°56'58"	25.00'	24.98'
2	55.16	54.49	2	63.18	62.51	2	55.06	54.39	②	59°17'48"	25.00'	24.73'
3	55.57	54.90	3	63.32	62.65	3	55.50	54.83	③	7°36'58"	615.00'	81.75'
②	TC	FL	⑥	TC	FL	4	55.97	55.30	④	62°04'52"	25.00'	27.09'
						5	56.45	55.78	⑤	57°57'42"	25.00'	25.29'
						6	56.91	56.24	⑥	86°58'15"	25.00'	37.95'
1	57.18	56.51	1	58.16	57.49	7	57.36	56.69	⑦	186°03'31"	40.00'	129.89'
2	56.78	56.11	2	57.95	57.28	8	57.78	57.11	⑧	86°58'15"	25.00'	37.95'
3	56.37	55.70	3	57.98	57.31	9	58.14	57.47	⑨	7°25'22"	594.00'	76.95'
③	TC	FL	⑧	TC	FL	10	58.44	57.77	⑩	7°25'22"	590.00'	76.43'
						11	58.65	57.98				
						12	58.76	58.09				
1	61.20	60.53	1	53.84	53.17	13	58.78	58.11				
2	60.00	59.33	2	53.35	52.68	14	58.70	58.03				
3	58.79	58.12	3	52.78	52.11	15	58.52	57.85				
④	TC	FL	⑨	TC	FL							
1	62.70	62.03	1	60.49	60.16							
2	62.52	61.85	2	59.42	59.09							
3	62.33	61.66	3	58.24	57.91							
⑤	TC	FL	⑩	TC	FL							
1	60.43	60.10	1	60.43	60.10							
2	59.36	59.03	2	59.36	59.03							
3	58.18	57.85	3	58.18	57.85							

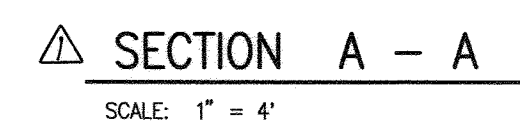
25.16
25.87



- STREET PAVING IMPROVEMENTS:
- ALL STATIONING SHOWN IS BASED ON STREET CENTERLINE.
 - WHERE REMOVAL OF EXISTING CURB AND GUTTER, SIDEWALK OR PAVEMENT IS REQUIRED, THE CONTRACTOR SHALL SAWCUT AND/OR REMOVE TO THE NEAREST JOINT. CURB AND GUTTER SHOWN AS EXISTING AND NOT TO BE REMOVED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
 - ALL DIMENSIONS OF CURB AND CURB RETURNS ARE SHOWN TO FACE-OF-CURB.
 - ALL 4' SIDEWALKS SHOWN HEREON SHALL BE CONSIDERED UNDER SEPARATE PERMIT (SIDEWALK DEFERRAL).
 - ALL CURB AND GUTTER SHOWN HEREON SHALL BE STANDARD CURB AND GUTTER PER CITY OF ALBUQUERQUE STANDARD DRAWING 2415 UNLESS OTHERWISE NOTED.
 - UPON COMPLETION OF CONSTRUCTION, THE CITY OF ALBUQUERQUE WILL PROVIDE AND INSTALL ALL STREET SIGNS.
 - STRIPING BY CONTRACTOR WILL BE REQUIRED PRIOR TO FINAL ACCEPTANCE.
 - FOR MOUNTABLE CURB (ROLL TYPE) TOP OF CURB = 0.33 FEET ABOVE FLOWLINE. REFER TO CITY OF ALBUQUERQUE STANDARD DRAWING 2415 FOR CURB SECTION.

AS BUILT INFORMATION CONTRACTOR: <u>JEFFREY G. MORTENSEN</u> DATE: <u>4/95</u>		BEACH MARKS AN A.C.S. 1 3/4" ALUMINUM DISK STAMPED "ACS BM, 11-E11" SET ON TOP OF THE CONCRETE CURB AT THE ENE RETURN OF THE INTERSECTION OF DELLYNE AVENUE AND VALLE VISTA DRIVE N.W. ELEVATION = 5103.70 FEET (M.S.L.D.)	
SURVEY INFORMATION FIELD NOTES BY: <u>JMA</u> DATE: <u>2/95</u>		ENGINEER'S SEAL 	
RECORD DRAWING I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.		REMARKS NO. DATE DESIGNED BY: <u>G.M.</u> DATE: <u>06-95</u> DRAWN BY: <u>E.M.S.</u> DATE: <u>06-95</u> CHECKED BY: <u>J.C.M.</u> DATE: <u>06-95</u>	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
TITLE: SITE PLAN MONTANO VISTA SUBDIVISION			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC CHAIRMAN	<u>B.G. Ladd</u>	<u>6-28-95</u>	WATER
TRANSPORTATION	<u>R.P.C.</u>	<u>6-28-95</u>	WASTE WATER
HYDROLOGY	<u>R.P.C.</u>	<u>6-26-95</u>	
PROJECT NO.	5236.90	MAP NO.	E-11
		SHEET	4 OF 7

941111



RECORD. DRAWING

 **RECORD DRAWING**

I, Jeffrey G. Mortensen, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "as-built" information was obtained by me or under my supervision and represents the "as-built" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

Jeffrey G. Mortenson
NYMPE No. 8547

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SECTIONS AND DETAILS
MONTAÑO VISTA SUBDIVISION

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	6-28-95	WATER	N/A RWK	6-22-95
TRANSPORTATION	<i>[Signature]</i>	6-23-95	WASTE WATER	N/A AWK	6-23-95
HYDROLOGY	<i>[Signature]</i>	6-26-95			

PROJECT NO.	5236.90	MAP NO.	E-11	SHEET	5 ^{OF}	7
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[illegible]

941111

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. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 8:30 A.M. OR END WORK AFTER 4:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

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. 24 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.

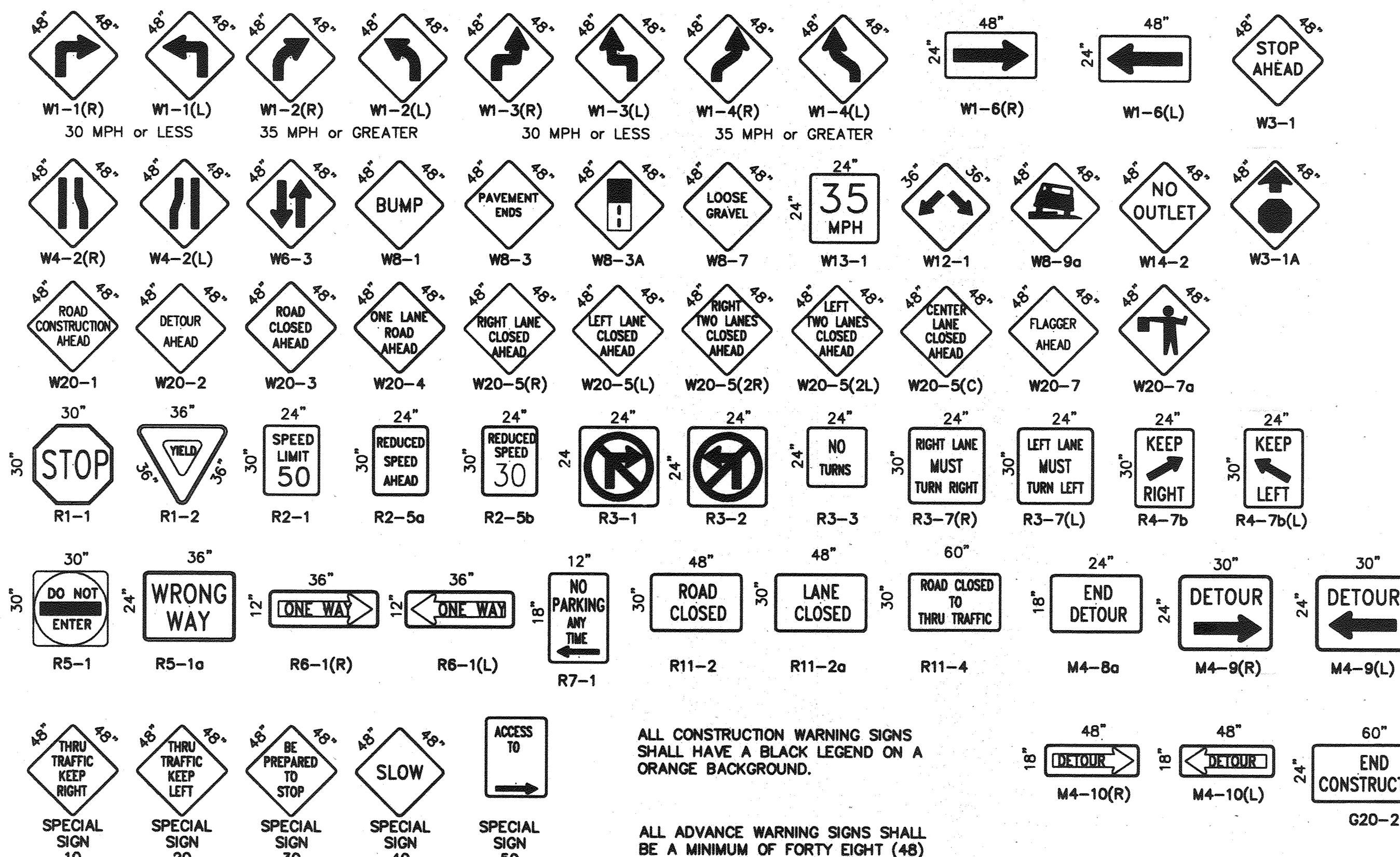
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

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

PROJECT CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

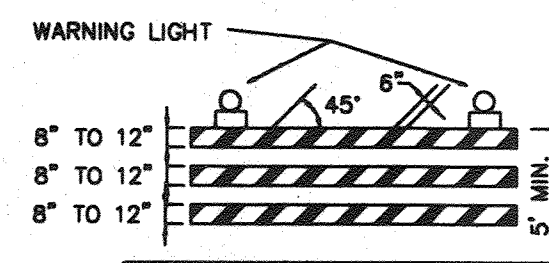
RECORD DRAWING

SIGN FACE DETAILS

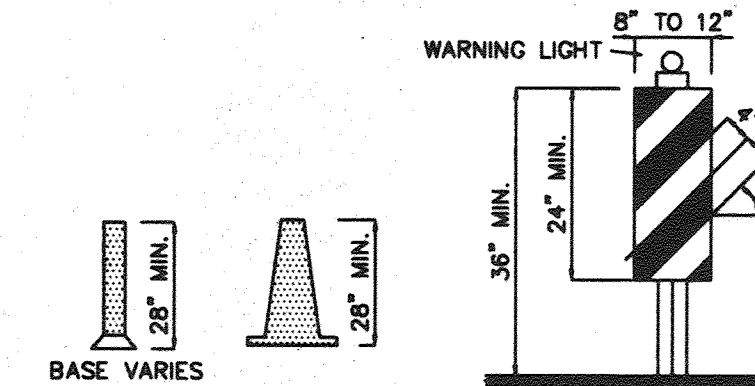


ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.



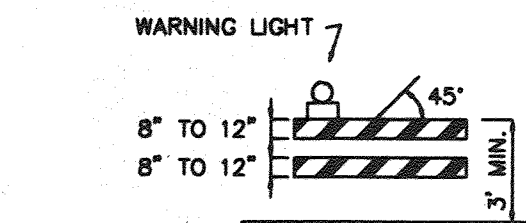
TYPE III BARRICADE



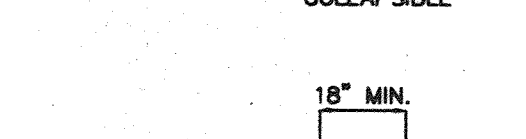
CONES

VERTICAL PANEL

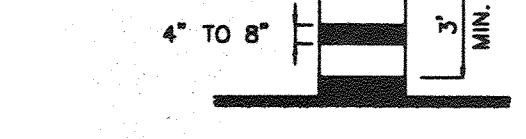
HIGH LEVEL WARNING DEVICE



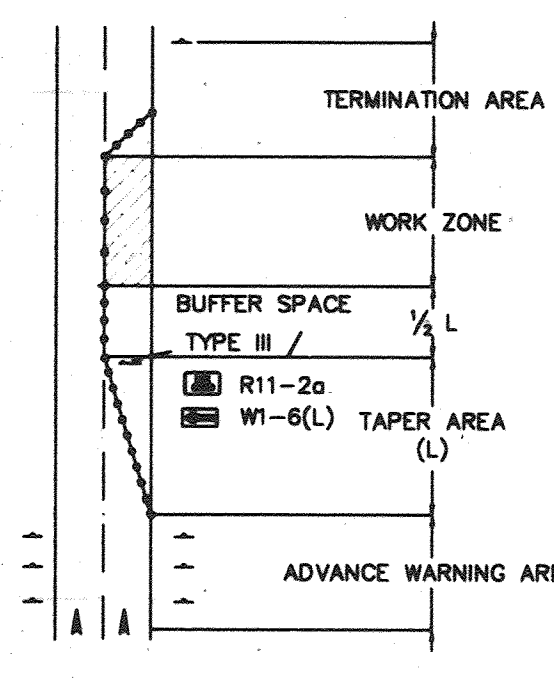
TYPE II BARRICADE



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 (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 FOR ADVANCE WARNING SIGN SERIES

SPEED 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	1/2 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

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: MONTAÑO VISTA SUBDIVISION SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	28-5236.90	6-22-95	WATER	NIA RINK	6-22-95
TRANSPORTATION	NIA RINK	6-22-95	WASTE WATER	NIA RINK	6-22-95
HYDROLOGY	NIA RINK	6-22-95			
PROJECT NO. 5236.90		MAP NO. E-11		SHEET OF 6 7	

