

VICINITY MAP ZONE ATLAS C-20
SCALE: NONE

GENERAL NOTES

NOTICE TO CONTRACTORS

1. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 8, 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 (280-1990) 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 BARRICADED PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2861) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
 6. ALL STREET STRIPING 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. COORDINATE WITH PDM CONTRACTOR DURING CONSTRUCTION
- 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 DERESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

APPROVAL OF AS BUILT DRAWING
CHIEF CONSTRUCTION ENGINEER
Ceter Chang
DATE 7-20-00

SHEET NO.	SHEET
1	TITLE SHEET
2	PLAT
3	GRADING AND DRAINAGE PLAN
4 - 4A	PAVING IMPROVEMENTS
5 - 5A	UTILITY IMPROVEMENTS
6 - 7	TRAFFIC CONTROL

RECORD DRAWING

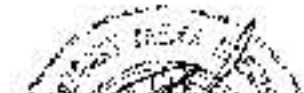
I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, Inc., and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Gregorio Pichnik NMPE 3192

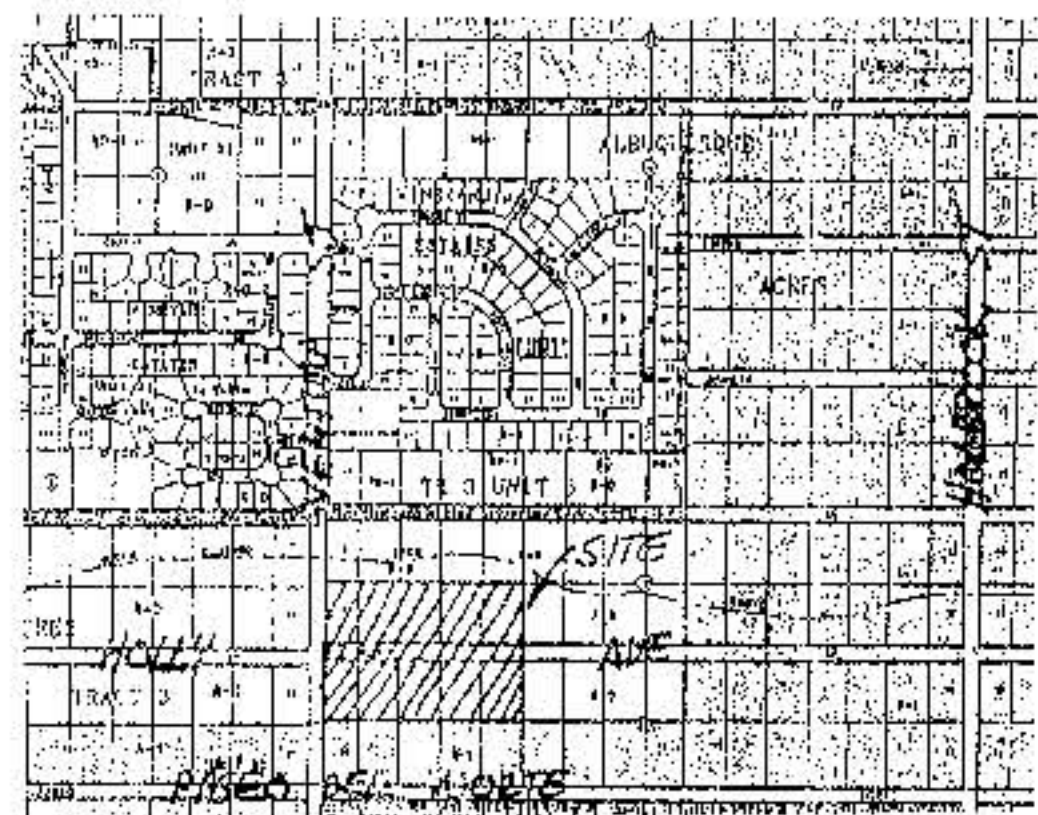
CAUTION

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 NECESSARY 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 90608
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-953

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC CHAIRMAN	<i>Billy J. Buckley</i>	6-4-99	APPROVED FOR CONSTRUCTION		
		TRANSPORTATION	<i>[Signature]</i>	6-19-99			
		WATER/WASTEWATER	<i>P. D. Korne</i>	6-19-99	 CITY ENGINEER DATE		
		HYDROLOGY	<i>[Signature]</i>	5-15-99			
		DP					
		CONSTR. MGMT.					
		REVIEWED BY	<i>[Signature]</i>	6-10-99			
CITY PROJECT NO.		SHEET OF					
60198		I 7					

6142FURS/6142TTL/05-14-99/GJ



VICINITY MAP ZONE MAP: C-20-Z

TEMP (TEMPORARY BENCHMARK)

TOP OF TELEPHONE MANHOLE LOCATED AT THE INTERSECTION OF PASO DEL NORTE AND VENTURA STREET N.E.
RIM ELEV. = 5542.41

ACS BENCHMARK

THE STATION MARK IS A STANDARD ACS BLISS TABLE STAMPED "C21A-1978" SET IN TOP OF A CONCRETE POST FLUSH WITH GROUND.

TO REACH THE STATION FROM THE INTERCHANGE AT I-25 AND SAN MATEO BLVD. N.E. GO NORTH ON THE EAST FREEWAY ROAD FOR 1.5 MILES TO PASO DEL NORTE. TURN RIGHT, GO EAST ON PASO DEL NORTE 2.8 MILES TO THE STATION ON THE LEFT.

X=415,503.35 Y=1,510,787.29 Z=5634.85

LEGAL DESCRIPTION

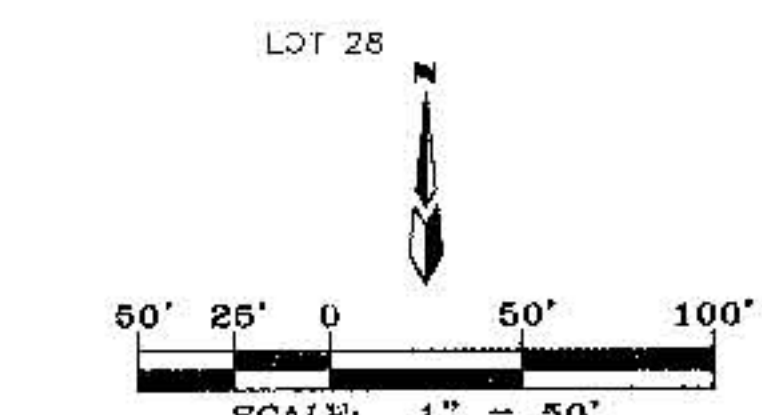
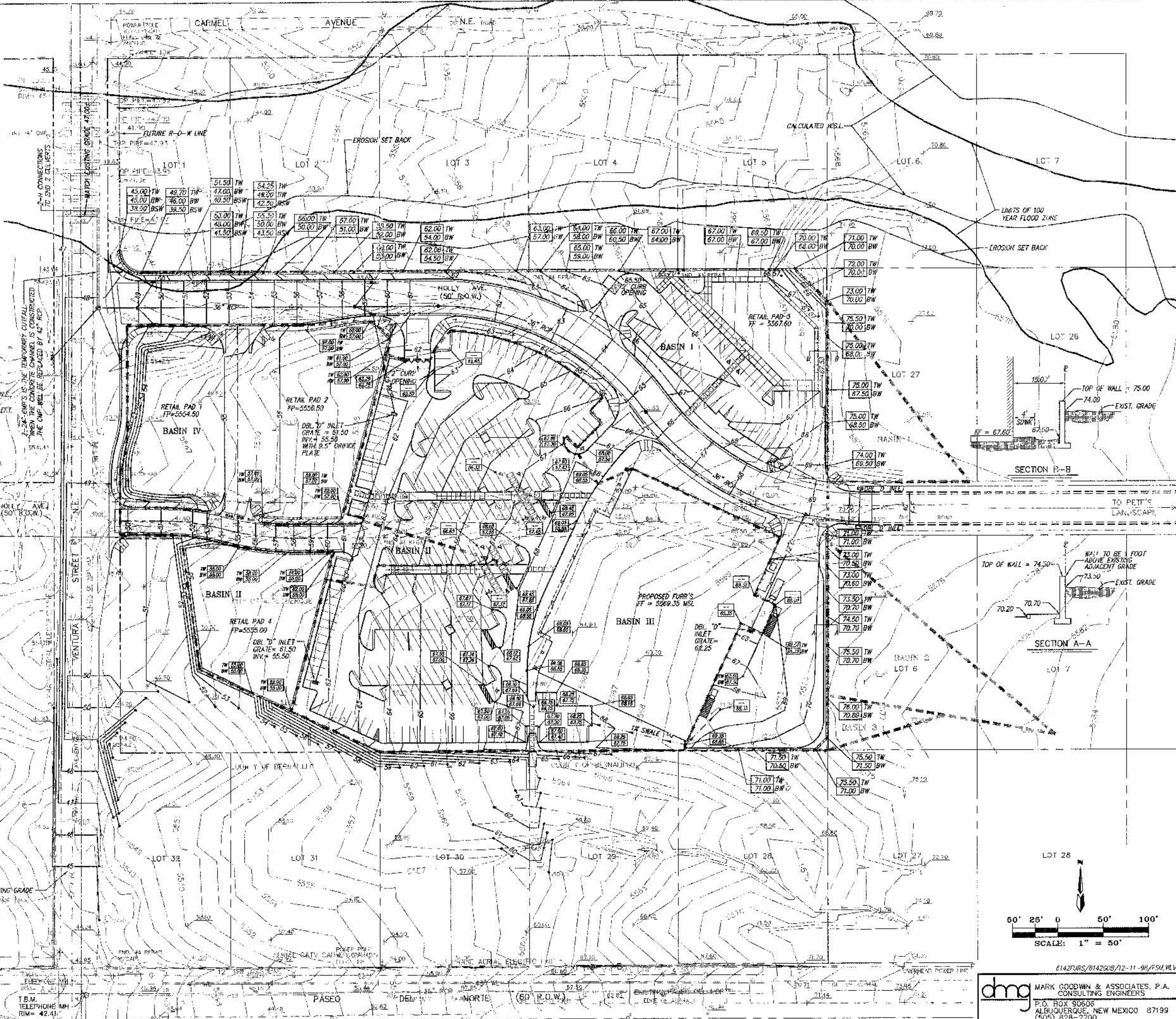
LOTS 28 THRU 32 OF BLOCK 19 AND LOTS 3, 4, AND 5 OF BLOCK 20 OF NORTH ALBUQUERQUE ACERS TRACT 3, UNIT 3.

LEGEND

- EXISTING SPOT ELEVATION
- PROPERTY LINE
- EXISTING CONTOUR
- NEW CONTOUR
- PROPOSED SPOT ELEVATION
- ROOF DRAIN (TYP)
- WATER BLOCK / HIGHPOINT
- NEW RETAINING WALL
- NEW SCOUR WALL
- BASIN BOUNDARY

NOTES

1. SITE IS ALLOWED FLOW DISCHARGE TO VENTURA WHERE FLOWS WILL CONTINUE NORTH TO THE ARROYO.
2. OFFSITE FLOWS WILL BE ROUTED ALONG THE RETAINING WALL ON THE PROPERTY LINE TO THE R.O.W. OR ARROYO.
3. CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
4. CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
5. THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
6. THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND NETTING THE SOIL TO KEEP IT FROM BLOWING.
7. SEE SHEET C2A FOR FUTURE VENTURA PROFILE.



REV	DATE	BY	CHK
1			
2			
3			
4			
5			

GEORGE RAINBART, ARCHITECT & ASSOCIATES P.C.
2025 SAN PEDRO N.E., SUITE 2 B
ALBUQUERQUE, NEW MEXICO 87110
PHONE (505) 884-9110 FAX (505) 837-9377



PROJECT TITLE
FURR'S SUPERMARKET INC.
PASO DEL NORTE AND VENTURA STREET N.E.
ALBUQUERQUE, N.M.
DRAWN BY
DATE
CHECKED BY
DATE
APPROVED BY
DATE

CONCEPTUAL GRADING & DRAINAGE PLAN
EXISTING VENTURA AND PASO DEL NORTE

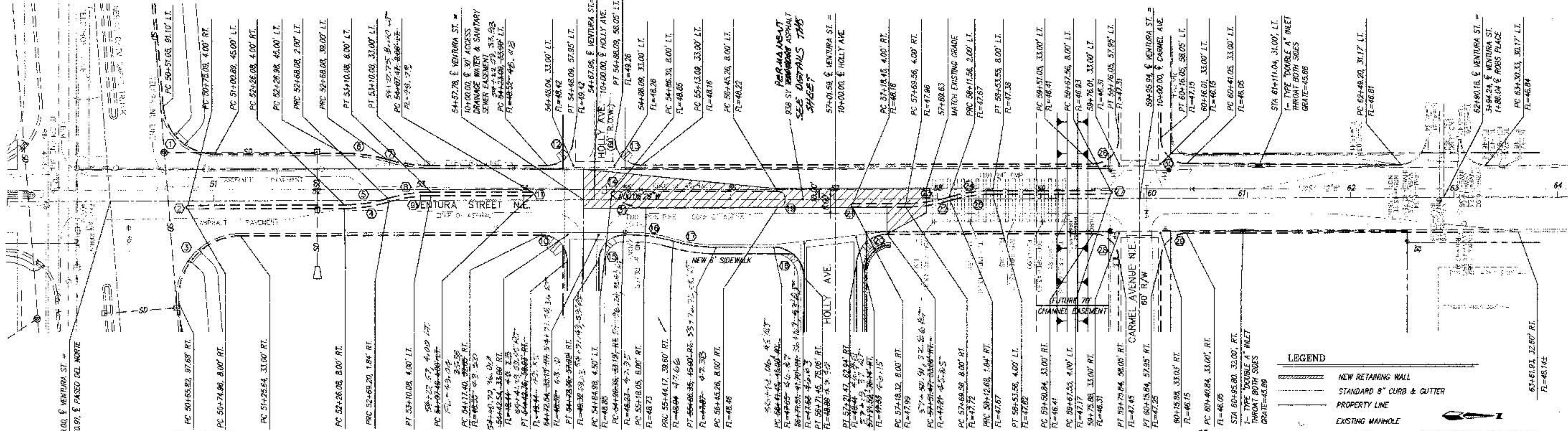
dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90608
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

DATE
09/14/98
SCALE
1"=50'

C2B

CURVE DATA - DESCRIBES FACE OF CURB

1. $\Delta = 85^{\circ}31'11''$ $R = 50.00'$ $L = 74.63'$ $T = 46.24'$	2. $\Delta = 179^{\circ}54'31''$ $R = 2.00'$ $L = 6.28'$ $T = N/A$	3. $\Delta = 94^{\circ}28'16''$ $R = 60.00'$ $L = 98.93'$ $T = 64.87'$	4. $\Delta = 16^{\circ}15'31''$ $R = 154.00'$ $L = 43.70'$ $T = 22.00'$	5. $\Delta = 16^{\circ}15'38''$ $R = 150.00'$ $L = 42.57'$ $T = 21.43'$	6. $\Delta = 16^{\circ}15'38''$ $R = 150.00'$ $L = 42.57'$ $T = 21.43'$	7. $\Delta = 16^{\circ}15'38''$ $R = 150.00'$ $L = 42.57'$ $T = 21.43'$	8. $\Delta = 16^{\circ}15'38''$ $R = 150.00'$ $L = 42.57'$ $T = 21.43'$	9. $\Delta = 16^{\circ}15'31''$ $R = 148.00'$ $L = 41.43'$ $T = 28.86'$	10. $\Delta = 179^{\circ}54'31''$ $R = 2.00'$ $L = 6.28'$ $T = N/A$	11. $\Delta = 179^{\circ}54'31''$ $R = 2.00'$ $L = 6.28'$ $T = N/A$	12. $\Delta = 89^{\circ}53'08''$ $R = 25.00'$ $L = 39.22'$ $T = 24.95'$	13. $\Delta = 90^{\circ}06'53''$ $R = 25.00'$ $L = 39.22'$ $T = 25.05'$	14. $\Delta = 179^{\circ}58'49''$ $R = 8.00'$ $L = 25.73'$ $T = N/A$	15. $\Delta = 87^{\circ}17'45''$ $R = 25.00'$ $L = 38.09'$ $T = 23.85'$	16. $\Delta = 41^{\circ}24'48''$ $R = 36.14'$ $L = 50.00'$ $T = 18.90'$
17. $\Delta = 16^{\circ}16'05''$ $R = 150.00'$ $L = 42.59'$ $T = 21.44'$	18. $\Delta = 16^{\circ}15'38''$ $R = 150.00'$ $L = 42.57'$ $T = 21.43'$	19. $\Delta = 90^{\circ}06'26''$ $R = 30.00'$ $L = 47.18'$ $T = 30.06'$	20. $\Delta = 179^{\circ}58'49''$ $R = 8.00'$ $L = 25.13'$ $T = N/A$	21. $\Delta = 89^{\circ}53'49''$ $R = 30.00'$ $L = 47.07'$ $T = 29.95'$	22. $\Delta = 179^{\circ}54'31''$ $R = 2.00'$ $L = 6.28'$ $T = N/A$	23. $\Delta = 16^{\circ}15'31''$ $R = 154.00'$ $L = 43.70'$ $T = 22.00'$	24. $\Delta = 16^{\circ}15'38''$ $R = 150.00'$ $L = 42.57'$ $T = 21.43'$	25. $\Delta = 16^{\circ}15'38''$ $R = 150.00'$ $L = 42.57'$ $T = 21.43'$	26. $\Delta = 16^{\circ}15'31''$ $R = 148.00'$ $L = 41.43'$ $T = 28.86'$	27. $\Delta = 179^{\circ}54'31''$ $R = 2.00'$ $L = 6.28'$ $T = N/A$	28. $\Delta = 89^{\circ}53'08''$ $R = 25.00'$ $L = 39.22'$ $T = 24.95'$	29. $\Delta = 90^{\circ}06'53''$ $R = 25.00'$ $L = 39.22'$ $T = 25.05'$	30. $\Delta = 179^{\circ}58'49''$ $R = 8.00'$ $L = 25.73'$ $T = N/A$	31. $\Delta = 87^{\circ}17'45''$ $R = 25.00'$ $L = 38.09'$ $T = 23.85'$	32. $\Delta = 41^{\circ}24'48''$ $R = 36.14'$ $L = 50.00'$ $T = 18.90'$



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING
2. ALL SIDEWALKS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2430
3. ALL 6" VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2420

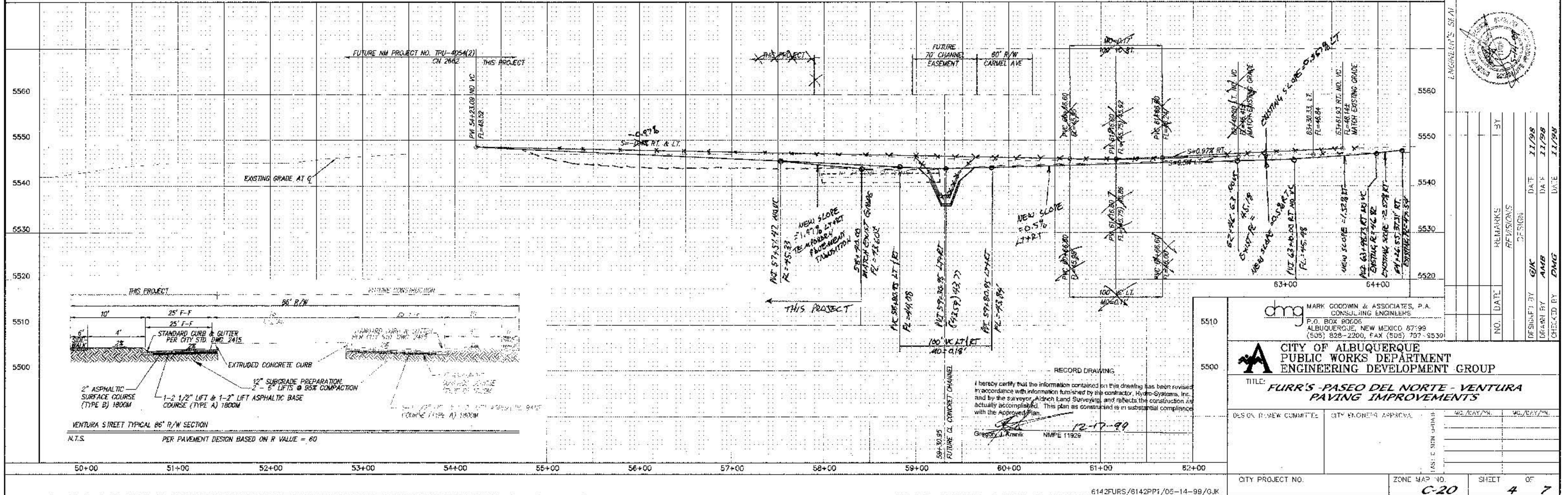
4. ALL 4" VALLEY GUTTERS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2421
5. ALL 4" INTERIOR SIDEWALKS ARE DEFERRED
6. ALL HANDICAP RAMPS TO BE CASE II PER CITY OF ALBUQUERQUE STANDARD DRAWING 2441. WHERE GRADES DO NOT PERMIT A MAXIMUM SLOPE OF 12:1 TO BE MAINTAINED WITHIN THE 7' LENGTH AS SPECIFIED, THEN THE 7' LENGTH AS SHOWN IN DRAWING 2441 MUST BE INCREASED TO MAINTAIN A SLOPE <12:1
7. TRANSITION FROM MOUNTAIN CURB TO STANDARD CURB SHALL BE 10:1
8. TRANSITION SECTION FROM FULL CROWN TO NO CROWN TO BE A MINIMUM OF 50 FEET.

9. SEE SHEET 4A OF 7 FOR STRIPING PLAN.

LEGEND

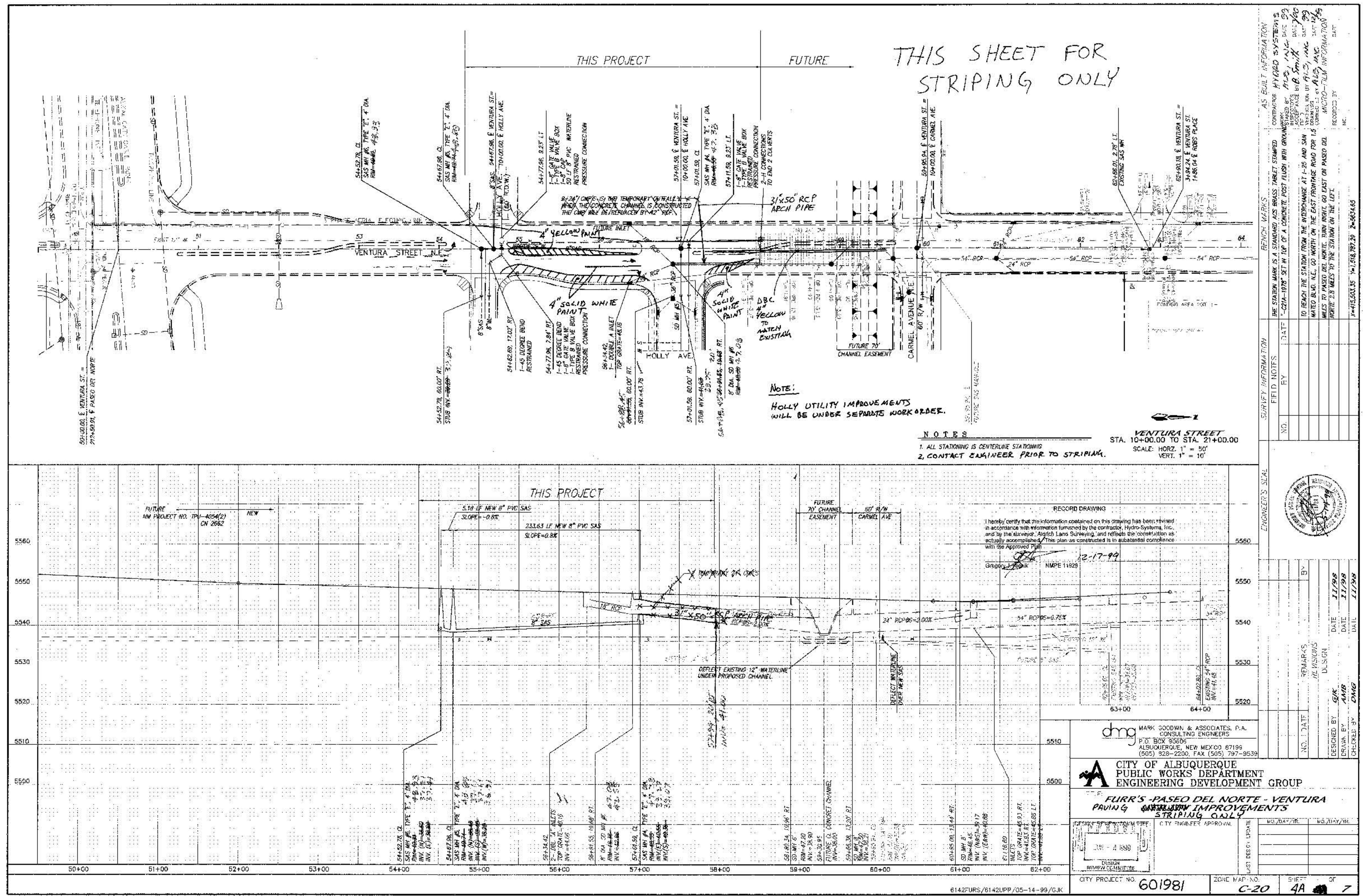
- NEW RETAINING WALL
- STANDARD 8" CURB & GUTTER
- PROPERTY LINE
- EXISTING MANHOLE
- FUTURE IMPROVEMENTS

VENTURA STREET
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: FURR'S PASEO DEL NORTE - VENTURA PAVING IMPROVEMENTS	
DESIGN BY: GJK	CITY ENGINEER APPROVAL: [Signature]
CHECKED BY: DMG	DATE: 11/98
DATE: 11/98	DATE: 11/98
CITY PROJECT NO. [Blank] ZONE MAP NO. C-20 SHEET 4 OF 7	

P:\14142UPP\36142UPP\36142UPP.DWG Plot Date: 11/15/99 11:03:15 AM 11/15/99 11:03:15 AM 11/15/99 11:03:15 AM



THIS SHEET FOR STRIPING ONLY

NOTE:
HOLLY UTILITY IMPROVEMENTS
WILL BE UNDER SEPARATE WORK ORDER.

NOTES
1. ALL STATIONING IS CENTERLINE STATIONING
2. CONTACT ENGINEER PRIOR TO STRIPING.

VENTURA STREET
STA. 10+00.00 TO STA. 21+00.00
SCALE: HORIZ. 1" = 50'
VERT. 1" = 10'

RECORD DRAWING
I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, Inc., and by the surveyor, Aegisch Lane Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Gregory J. Frank NMPE 11829 12-17-99

MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 928-2200, FAX (505) 797-9539

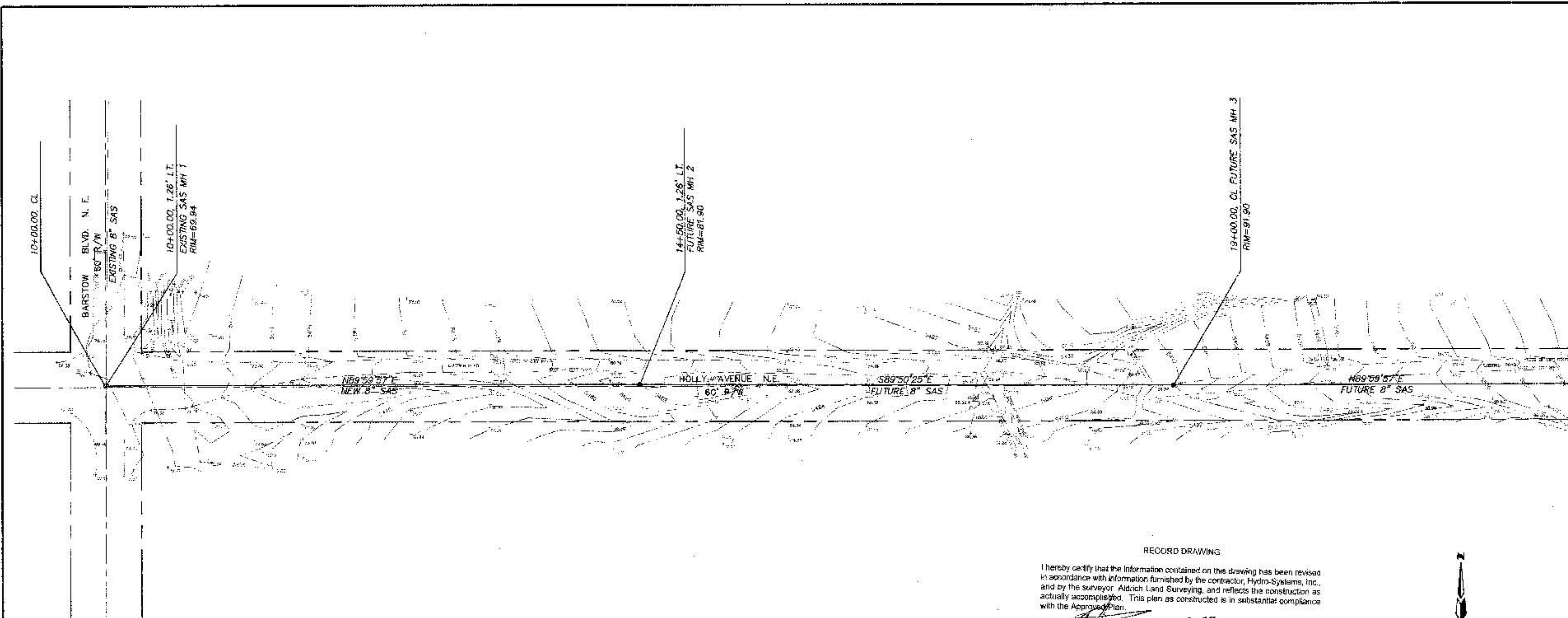
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

FURR'S - PASEO DEL NORTE - VENTURA
PAVING AND STRIPING IMPROVEMENTS

CITY ENGINEER APPROVAL

CITY PROJECT NO. 601981
ZONE MAP NO. C-20
SHEET 4A OF 7

SURVEY INFORMATION		FIELD NOTES		ENGINEER'S SEAL	
NO.	DATE	NO.	DATE	NO.	DATE
1	10/15/99	1	10/15/99	1	10/15/99
2	11/17/99	2	11/17/99	2	11/17/99
3	11/17/99	3	11/17/99	3	11/17/99
4	11/17/99	4	11/17/99	4	11/17/99
5	11/17/99	5	11/17/99	5	11/17/99
6	11/17/99	6	11/17/99	6	11/17/99
7	11/17/99	7	11/17/99	7	11/17/99
8	11/17/99	8	11/17/99	8	11/17/99
9	11/17/99	9	11/17/99	9	11/17/99
10	11/17/99	10	11/17/99	10	11/17/99
11	11/17/99	11	11/17/99	11	11/17/99
12	11/17/99	12	11/17/99	12	11/17/99
13	11/17/99	13	11/17/99	13	11/17/99
14	11/17/99	14	11/17/99	14	11/17/99
15	11/17/99	15	11/17/99	15	11/17/99
16	11/17/99	16	11/17/99	16	11/17/99
17	11/17/99	17	11/17/99	17	11/17/99
18	11/17/99	18	11/17/99	18	11/17/99
19	11/17/99	19	11/17/99	19	11/17/99
20	11/17/99	20	11/17/99	20	11/17/99
21	11/17/99	21	11/17/99	21	11/17/99
22	11/17/99	22	11/17/99	22	11/17/99
23	11/17/99	23	11/17/99	23	11/17/99
24	11/17/99	24	11/17/99	24	11/17/99
25	11/17/99	25	11/17/99	25	11/17/99
26	11/17/99	26	11/17/99	26	11/17/99
27	11/17/99	27	11/17/99	27	11/17/99
28	11/17/99	28	11/17/99	28	11/17/99
29	11/17/99	29	11/17/99	29	11/17/99
30	11/17/99	30	11/17/99	30	11/17/99
31	11/17/99	31	11/17/99	31	11/17/99
32	11/17/99	32	11/17/99	32	11/17/99
33	11/17/99	33	11/17/99	33	11/17/99
34	11/17/99	34	11/17/99	34	11/17/99
35	11/17/99	35	11/17/99	35	11/17/99
36	11/17/99	36	11/17/99	36	11/17/99
37	11/17/99	37	11/17/99	37	11/17/99
38	11/17/99	38	11/17/99	38	11/17/99
39	11/17/99	39	11/17/99	39	11/17/99
40	11/17/99	40	11/17/99	40	11/17/99
41	11/17/99	41	11/17/99	41	11/17/99
42	11/17/99	42	11/17/99	42	11/17/99
43	11/17/99	43	11/17/99	43	11/17/99
44	11/17/99	44	11/17/99	44	11/17/99
45	11/17/99	45	11/17/99	45	11/17/99
46	11/17/99	46	11/17/99	46	11/17/99
47	11/17/99	47	11/17/99	47	11/17/99
48	11/17/99	48	11/17/99	48	11/17/99
49	11/17/99	49	11/17/99	49	11/17/99
50	11/17/99	50	11/17/99	50	11/17/99
51	11/17/99	51	11/17/99	51	11/17/99
52	11/17/99	52	11/17/99	52	11/17/99
53	11/17/99	53	11/17/99	53	11/17/99
54	11/17/99	54	11/17/99	54	11/17/99
55	11/17/99	55	11/17/99	55	11/17/99
56	11/17/99	56	11/17/99	56	11/17/99
57	11/17/99	57	11/17/99	57	11/17/99
58	11/17/99	58	11/17/99	58	11/17/99
59	11/17/99	59	11/17/99	59	11/17/99
60	11/17/99	60	11/17/99	60	11/17/99
61	11/17/99	61	11/17/99	61	11/17/99
62	11/17/99	62	11/17/99	62	11/17/99
63	11/17/99	63	11/17/99	63	11/17/99
64	11/17/99	64	11/17/99	64	11/17/99
65	11/17/99	65	11/17/99	65	11/17/99
66	11/17/99	66	11/17/99	66	11/17/99
67	11/17/99	67	11/17/99	67	11/17/99
68	11/17/99	68	11/17/99	68	11/17/99
69	11/17/99	69	11/17/99	69	11/17/99
70	11/17/99	70	11/17/99	70	11/17/99
71	11/17/99	71	11/17/99	71	11/17/99
72	11/17/99	72	11/17/99	72	11/17/99
73	11/17/99	73	11/17/99	73	11/17/99
74	11/17/99	74	11/17/99	74	11/17/99
75	11/17/99	75	11/17/99	75	11/17/99
76	11/17/99	76	11/17/99	76	11/17/99
77	11/17/99	77	11/17/99	77	11/17/99
78	11/17/99	78	11/17/99	78	11/17/99
79	11/17/99	79	11/17/99	79	11/17/99
80	11/17/99	80	11/17/99	80	11/17/99
81	11/17/99	81	11/17/99	81	11/17/99
82	11/17/99	82	11/17/99	82	11/17/99
83	11/17/99	83	11/17/99	83	11/17/99
84	11/17/99	84	11/17/99	84	11/17/99
85	11/17/99	85	11/17/99	85	11/17/99
86	11/17/99	86	11/17/99	86	11/17/99
87	11/17/99	87	11/17/99	87	11/17/99
88	11/17/99	88	11/17/99	88	11/17/99
89	11/17/99	89	11/17/99	89	11/17/99
90	11/17/99	90	11/17/99	90	11/17/99
91	11/17/99	91	11/17/99	91	11/17/99
92	11/17/99	92	11/17/99	92	11/17/99
93	11/17/99	93	11/17/99	93	11/17/99
94	11/17/99	94	11/17/99	94	11/17/99
95	11/17/99	95	11/17/99	95	11/17/99
96	11/17/99	96	11/17/99	96	11/17/99
97	11/17/99	97	11/17/99	97	11/17/99
98	11/17/99	98	11/17/99	98	11/17/99
99	11/17/99	99	11/17/99	99	11/17/99
100	11/17/99	100	11/17/99	100	11/17/99

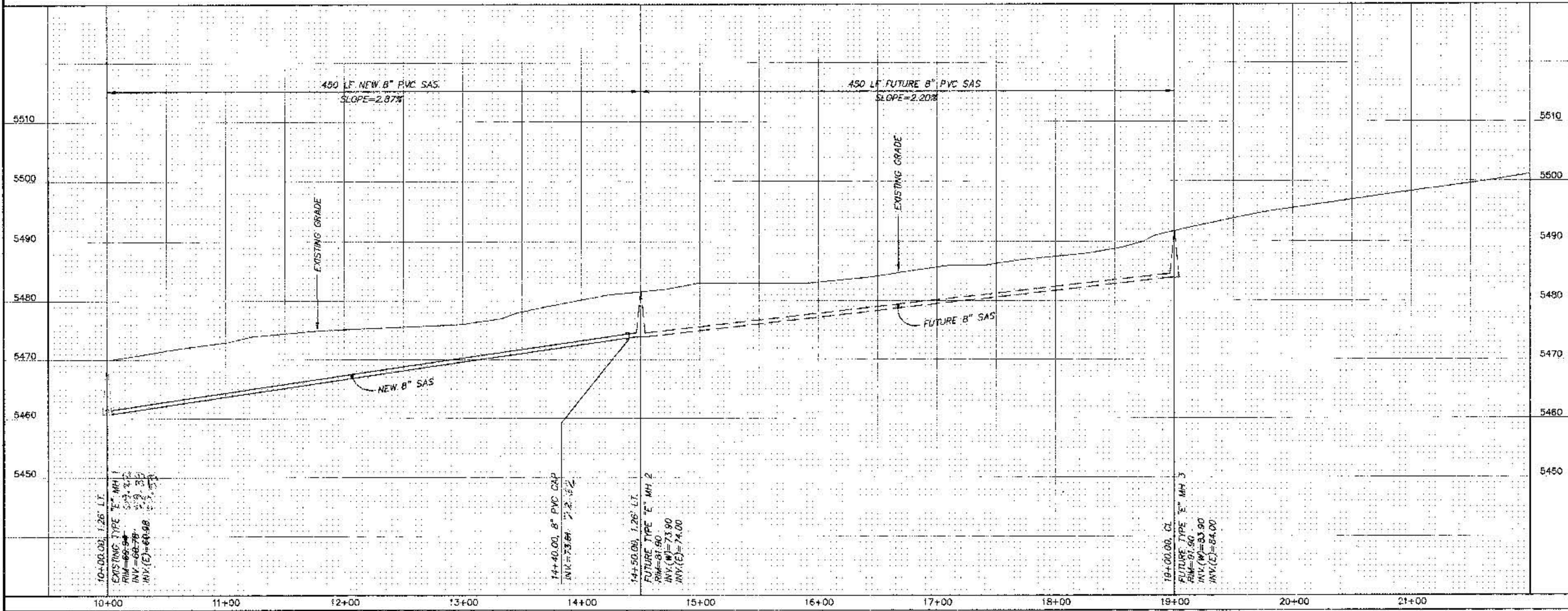


RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, Hydro-Systems, Inc., and by the surveyor, Aldrich Land Surveying, and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Gregory A. Benik 12-17-99
N.M.P.E. 11929

HOLLY AVENUE NE
STA. 10+00.00 TO STA. 19+00.00
SCALE: HORZ. 1" = 50'
VERT. 1" = 10'



NOTES

1. ALL STATIONING IS CENTERLINE STATIONING.

SURVEY INFORMATION		FIELD NOTES		REVISIONS		DESIGN BY		CHECKED BY	
NO.	DATE	BY	DATE	NO.	DATE	BY	DATE	BY	DATE

AS BUILT INFORMATION

CONTRACTOR: HYDRO SYSTEMS, INC.

DATE: 12/17/99

BY: GAB

DATE: 12/17/99

FRONTIER'S SEAL

DATE: 12/17/99

BY: GAB

REVISIONS

NO. DATE BY

DESIGN BY

DATE: 12/17/99

BY: GAB

CHECKED BY

DATE: 12/17/99

BY: DMG

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE
FURR'S - PASEO DEL NORTE - VENTURE
UTILITY IMPROVEMENTS

DESIGN REVIEW COMMITTEE

DATE: 12/17/99

CITY ENGINEER APPROVAL

DATE: 12/17/99

LAST DESIGN - DATE

DATE: 12/17/99

CITY PROJECT NO.
601981

ZONE MAP NO.
C-20-Z

SHEET
5A

OF
7

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 PERMIT IS IN 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 1/10TH 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.

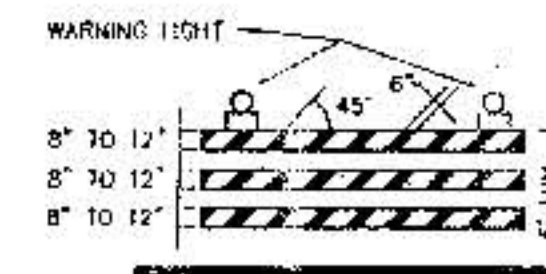
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

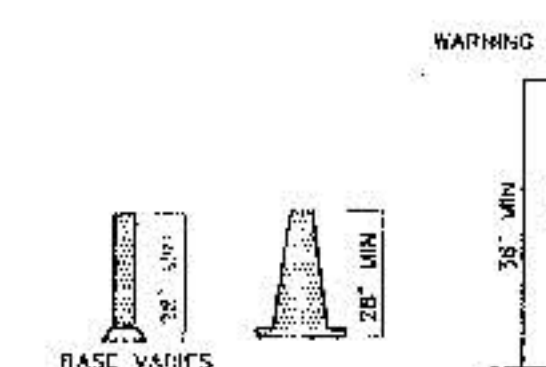
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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 MUTCD.

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



TYPE II BARRICADE



TYPE I BARRICADE

CONES

VERTICAL PANEL

HIGH LEVEL WARNING DEVICE

WARNING LIGHT

TYPE II BARRICADE

TYPE I BARRICADE

BARREL

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

TYPE I BARRICADE

LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE II
- 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		BEFORE TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	5	20	25
30	150	165	180	7	30	30
35	205	225	245	9	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

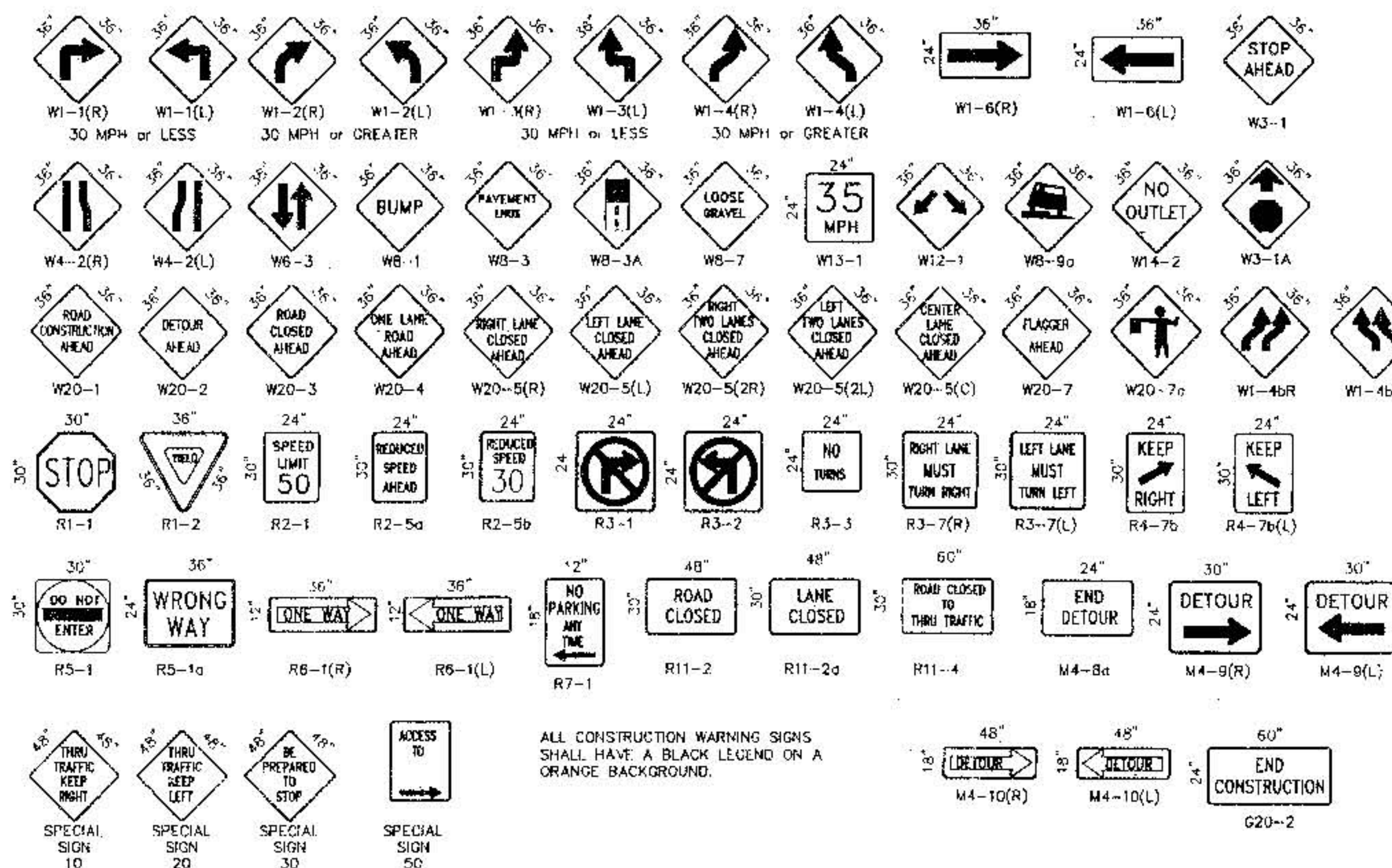
TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTER 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	$L = WS \times S$
L = TAPER LENGTH	
W = WIDTH OF OFFSET IN FEET	
S = POSTED SPEED OR GT-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: **FURR'S-PASEO DEL NORTE - VENTURA**
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

DESIGN REVIEW COMMITTEE: CITY ENGINEER APPROVAL

COA Standard

PROJECT NO: 601981 MAP NO: C-20 SHEET: 7 OF 7