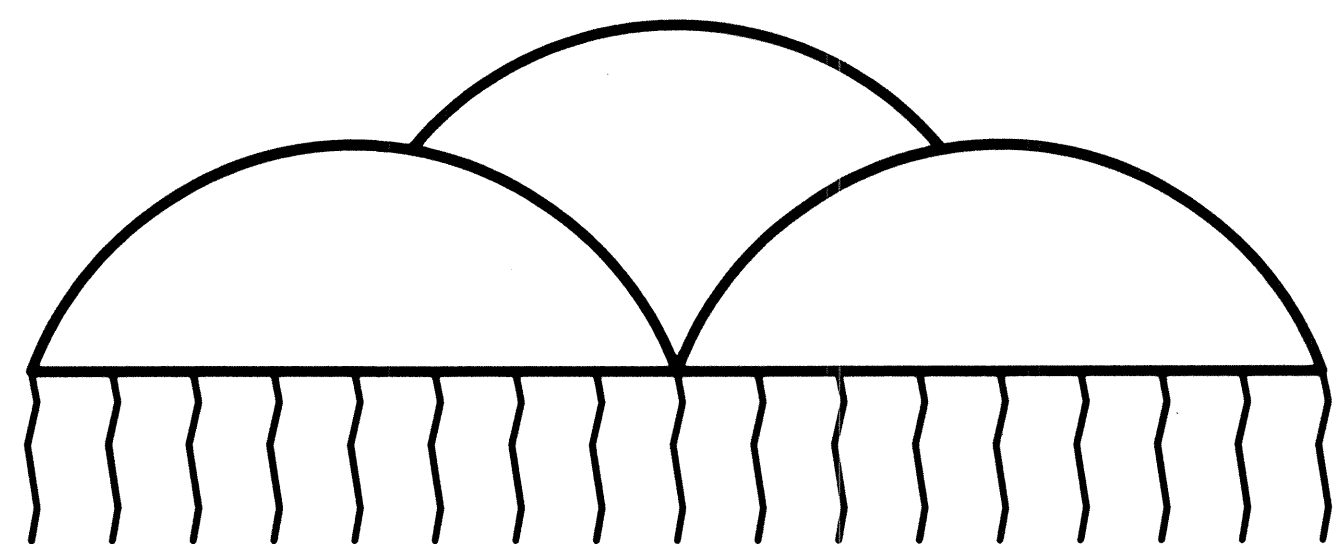


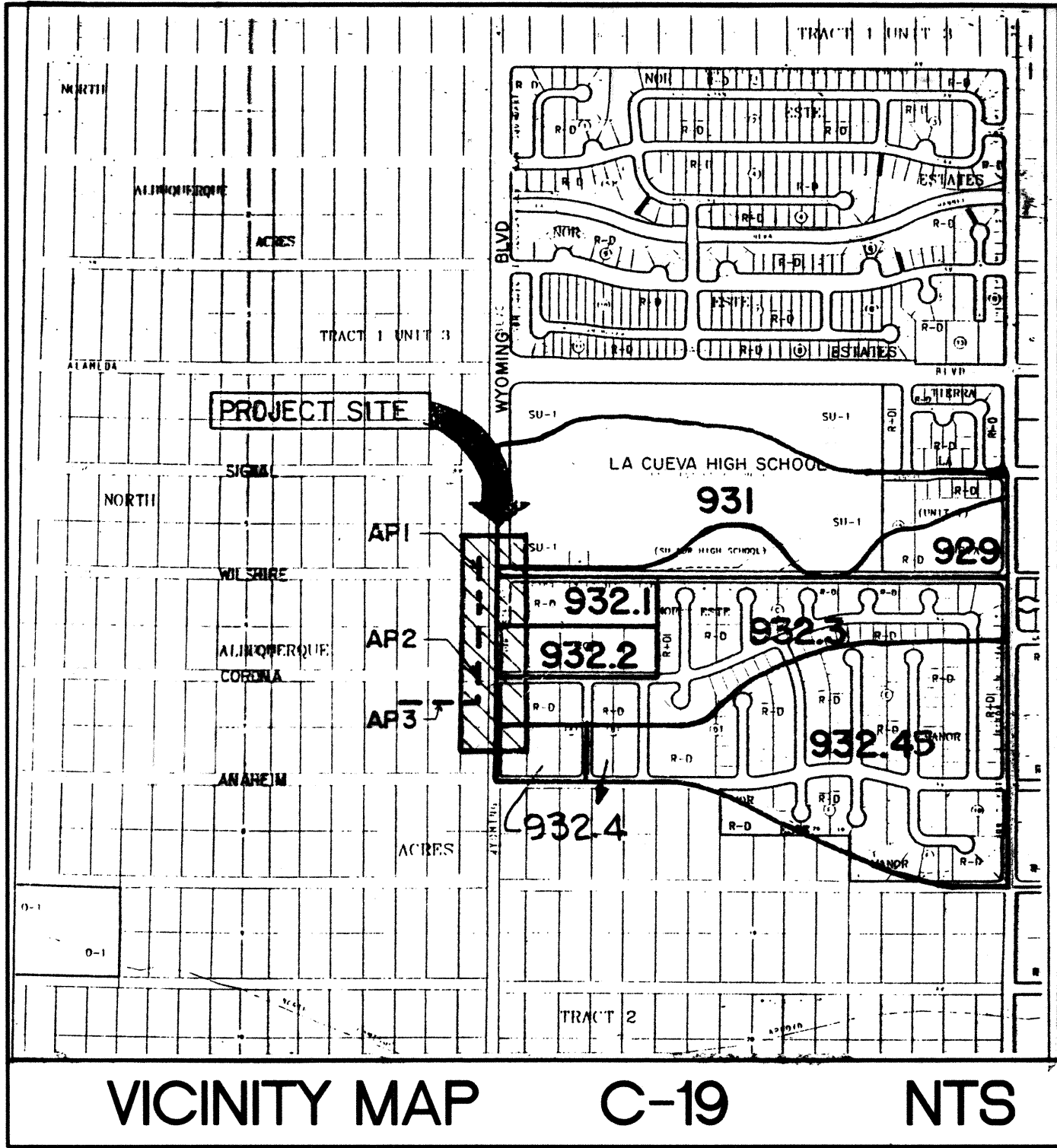
ALBUQUERQUE METROPOLITAN
ARROYO FLOOD CONTROL AUTHORITY



CONSTRUCTION PLANS FOR
WYOMING STORM DRAIN

INDEX OF SHEETS

SHEET	TITLE
1	TITLE SHEET, VICINITY MAP, & DRAINAGE NOTES
2	STORM DRAIN PLAN & PROFILE
3	DETAILS
4	PROFILES, PAVING, & DETAILS
5	TRAFFIC CONTROL PLAN
5a	TRAFFIC CONTROL PLAN
6	SIGNING & CONSTRUCTION TRAFFIC CONTROL STANDARDS
7	TYPICAL TRAFFIC CONTROL AND SIGNING EXAMPLES



DRAINAGE NOTES

THESE PLANS FOR THE WYOMING STORM DRAIN WERE DESIGNED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE "NORTH AND SOUTH DOMINGO BACA ARROYOS AND PASEO DEL NORTE CORRIDOR DRAINAGE MANAGEMENT PLAN" (RTI 12/91). IT WAS DESIGNED TO INTERCEPT THE FULLY DEVELOPED FLOWS THAT CURRENTLY DISCHARGE TO THE LA CUEVA H.S. POND, THE NOR ESTE ESTATES POND, AND WILSHIRE, CORONA AND ANAHEIM AVENUES BETWEEN WYOMING AND BARSTOW BOULEVARD. (SEE MAP) FLOW RATES ARE BASED ON DPM CRITERIA IN EFFECT 1/95.

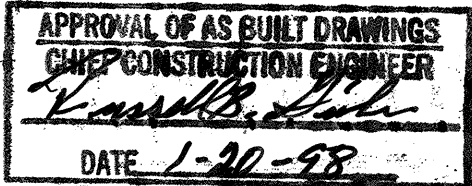
BASIN	AREA (sq. mi.)	Q ₁₀₀ (cfs)	V ₁₀₀ (ac-ft)
929	.0240	66	2.4
931	.0400	69	4.1
932.1	.0073	19	.8
932.2	.0073	19	.8
932.3	.0313	82	3.3
932.4	.0574	16	0.7

AP1 929 + 931 + 932.1; Q₁₀₀ = 135 cfs
AP2 AP1 + 932.2; Q₁₀₀ = 151 cfs
AP3 AP2 + 932.3 ; Q₁₀₀ = 232 cfs

I, DONALD S. BLAIR, P.E., hereby
Certify that the drawing of this
"As-Planned" dimensions was done
under my supervision.
Donald S. Blair
8/23/97

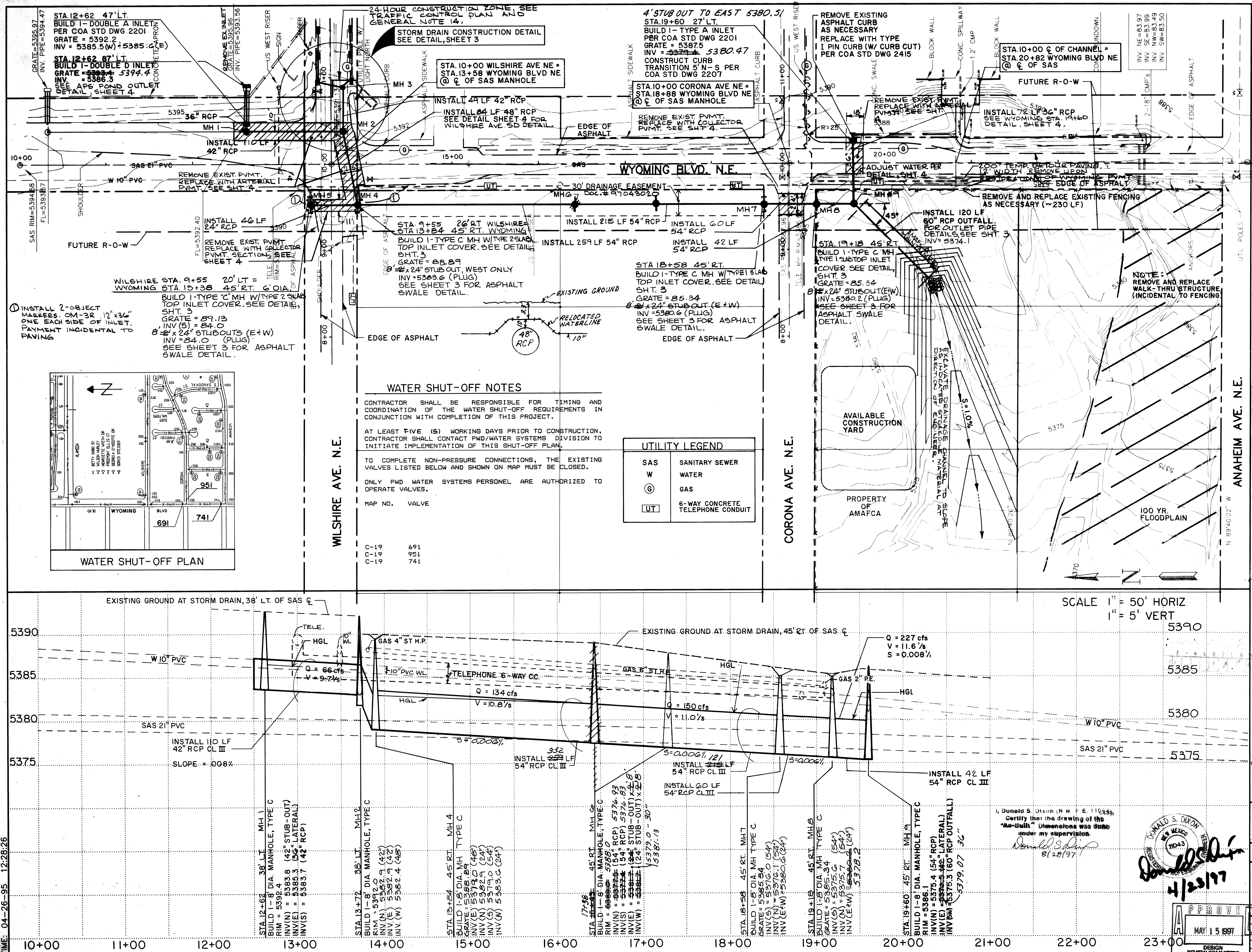
Resource Technology, Inc.
ENGINEERS AND ENVIRONMENTAL SCIENTISTS
CIVIL, ENVIRONMENTAL, WATER RESOURCES, RECREATION, PLANNING
2129 Osuna Road NE, Suite 200 - Albuquerque, New Mexico
(505) 345-3115

26-5214.90 0197



APPROVED FOR CONSTRUCTION
Larry A. Blair May 7, 1997
EXECUTIVE ENGINEER
ALBUQUERQUE METROPOLITAN
ARROYO FLOOD CONTROL AUTHORITY

REV.	SHEET	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
1	1	APPROVED FOR CONSTRUCTION	5-15-97	APPROVED FOR CONSTRUCTION	5-15-97	APPROVED FOR CONSTRUCTION	5-15-97
2	2	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97
3	3	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97
4	4	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97
5	5	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97
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11	11	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97
12	12	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97
13	13	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97
14	14	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97
15	15	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97	APPROVED FOR CONSTRUCTION	5-2-97



GENERAL NOTES

1. An excavation/construction permit will be required before beginning any work within City right-of-way. An approved copy of these plans must be submitted at the time of application for this permit.
2. All utility and storm drain work detailed on these plans to be performed, except as otherwise stated or provided herein, shall be constructed in accordance with City of Albuquerque Standard Specifications for Public Works Construction, 1986 Edition, as amended with updates 1-6.
3. Two working days prior to any excavation, contractor must contact New Mexico One Call, 260-1990, for location of existing utilities.
4. Prior to 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 so that the conflict can be resolved with a minimum amount of delay. All utility locations shown are approximate.
5. Backfill compaction shall be according to arterial street use.
6. It is the responsibility of the Contractor to maintain safe trenching conditions within the right-of-way. This may require the use of a trench shield, shoring or other approved methods. Maximum side slope without trench support above the 5' vertical slope allowed is 1 1/2 H to 1 V.
7. Lean fill construction shall be required for all work within public right-of-way. See sheet 4 for details. Refer to COA Std. Spec. #207 for additional requirements.
8. When it is necessary for the Contractor to leave the open trench area unattended (night and weekends), the work area will be secured with portable concrete traffic barriers on the roadway side. These shall extend a minimum of 50-feet beyond the limits of the open trench in each direction. FLARE TO ROW LINE OR PROVIDE SAND BARREL PROTECTION.
9. Three (3) 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 the Barricade Engineer (768-2551) prior to occupying an intersection. See Section 19 of the Specifications.
10. All street striping altered or destroyed shall be replaced by contractor with plastic reflectorized pavement markings to location as existing or as indicated by this plan set.
11. Contractor must maintain one traffic lane open at all times. See Sheets 7 and 8 for traffic control details.
12. Paving removed within the Wyoming Blvd. ROW shall be replaced with Arterial Pavement per COA STD DWG 2407. Paving removed within the Wilshire/Corona ROW shall be replaced with Collector Pavement per COA STD DWG 2407.
13. AMAFCA shall set TBM's and flag found property corners as required to establish project control. The Contractor shall be required to maintain these markers and provide construction staking for establish correct line and grades shown on the plans. No direct payment will be provided for this work and it will be considered incidental to other pay items.
14. Wilshire/Wyoming intersection work in indicated area shall require full intersection closure for a maximum duration of 60 hours, commencing at 7 a.m. on a Monday. Work must proceed on a 24-hour basis during this interval. Failure to complete work as indicated shall result in assessment of liquidated damages. See Traffic Control Plan on sheet 5. Engineer shall be notified 7 days in advance of the contractor's intent to close intersection. This work shall be completed prior to Aug. 9, 1997.

REVISIONS			
NO.	DATE	REMARKS	BY

BENCHMARK DATA: STA. 1-B19 STD. ACS BRASS TABLET STAMPED "1-B19", Located in NE quadrant of Wyoming Blvd./Alameda intersection. Elev = 5393.00 N = 152410.18 E = 407598.16

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY
WYOMING STORM DRAIN

PLAN AND PROFILE

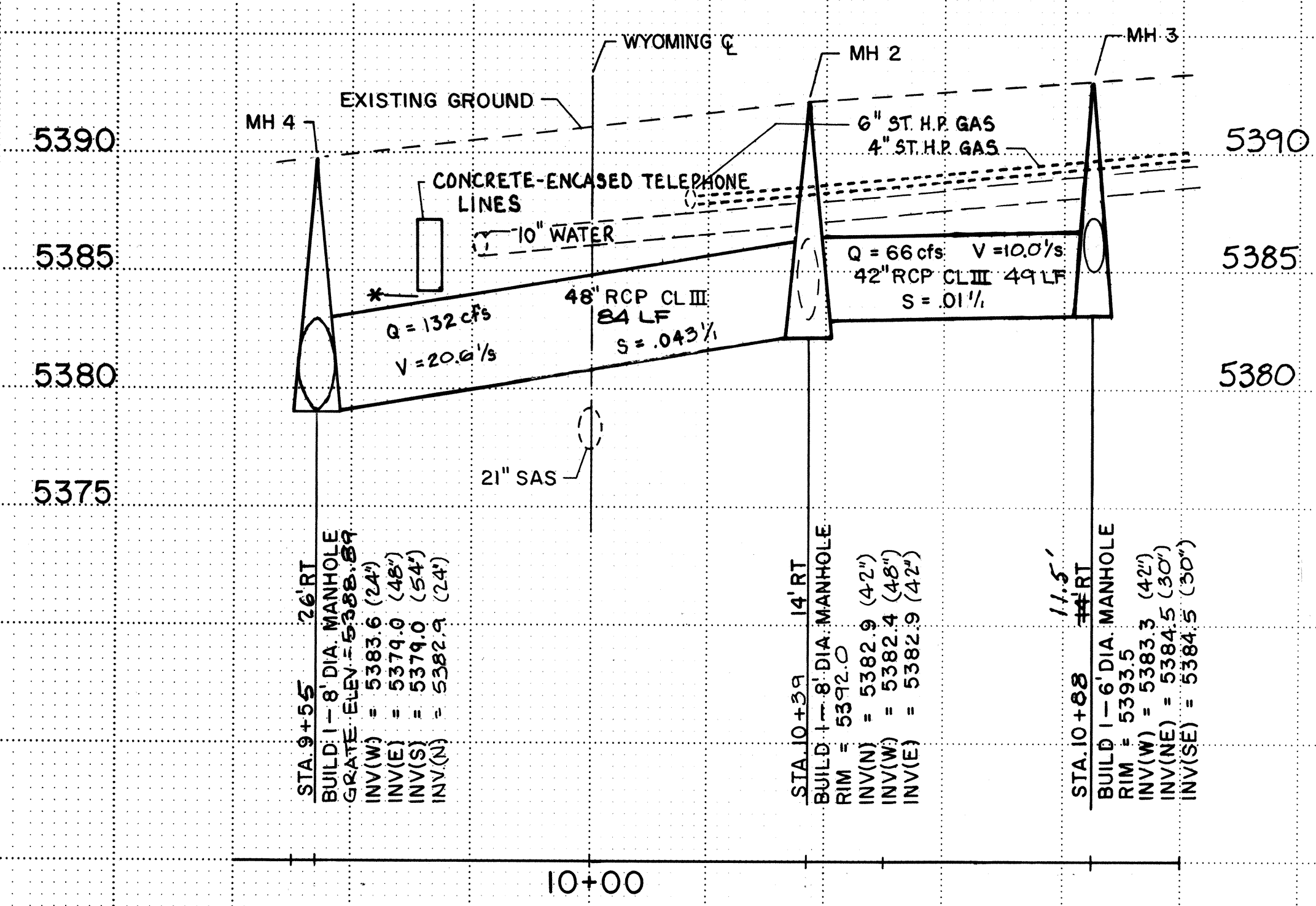
PROJECT NO.: 5214.90
DESIGNED BY: DSD/DRD
DRAWN BY: JS
CHECKED BY:
DATE:
SHEET 2 OF 5

APPROVE
MAY 15 1997
DESIGN REVIEW COMMITTEE

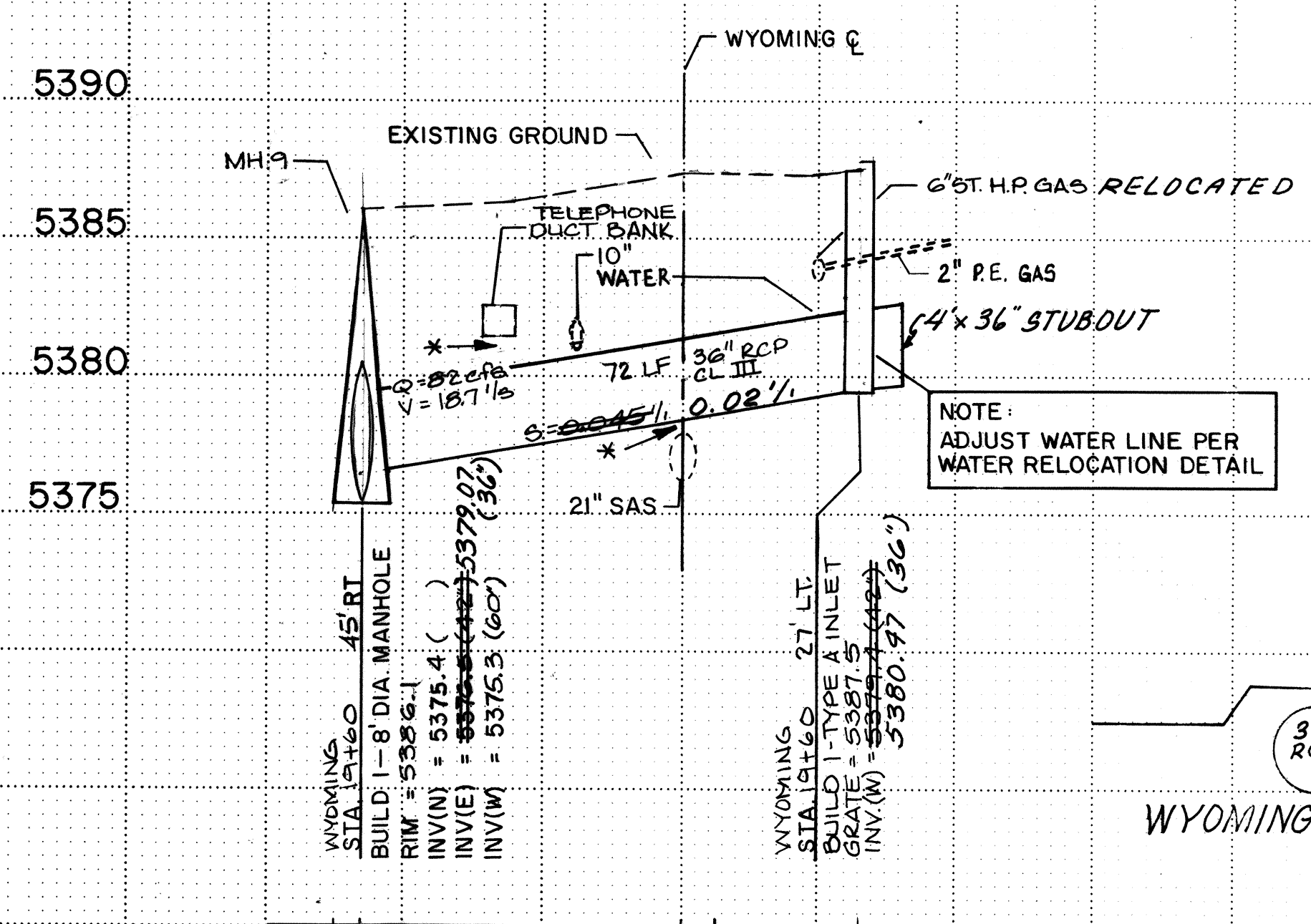
I, Donald S. Dixon (N.M.P.E. 11043),
Certify that the drawing of this
"As-Built" Dimensions was done
under my supervision.
Donald S. Dixon
8/23/97

4/23/97

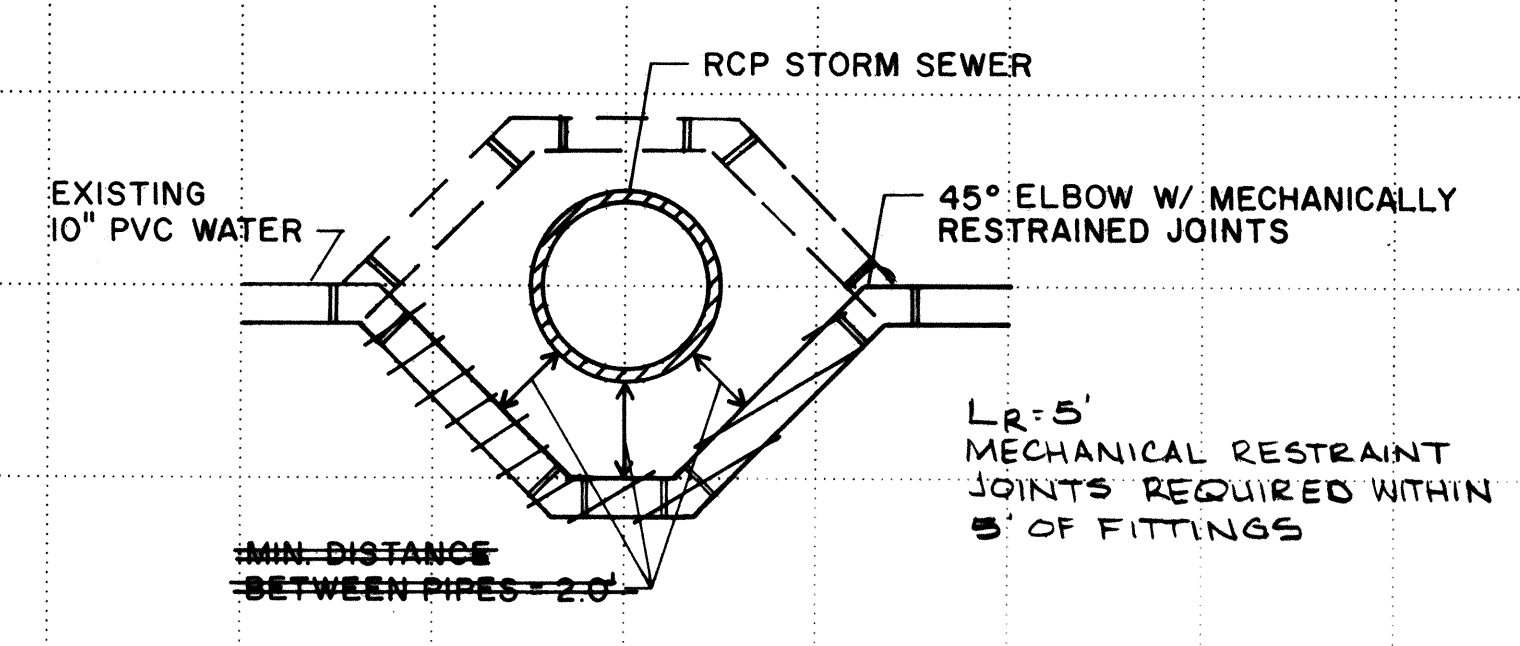
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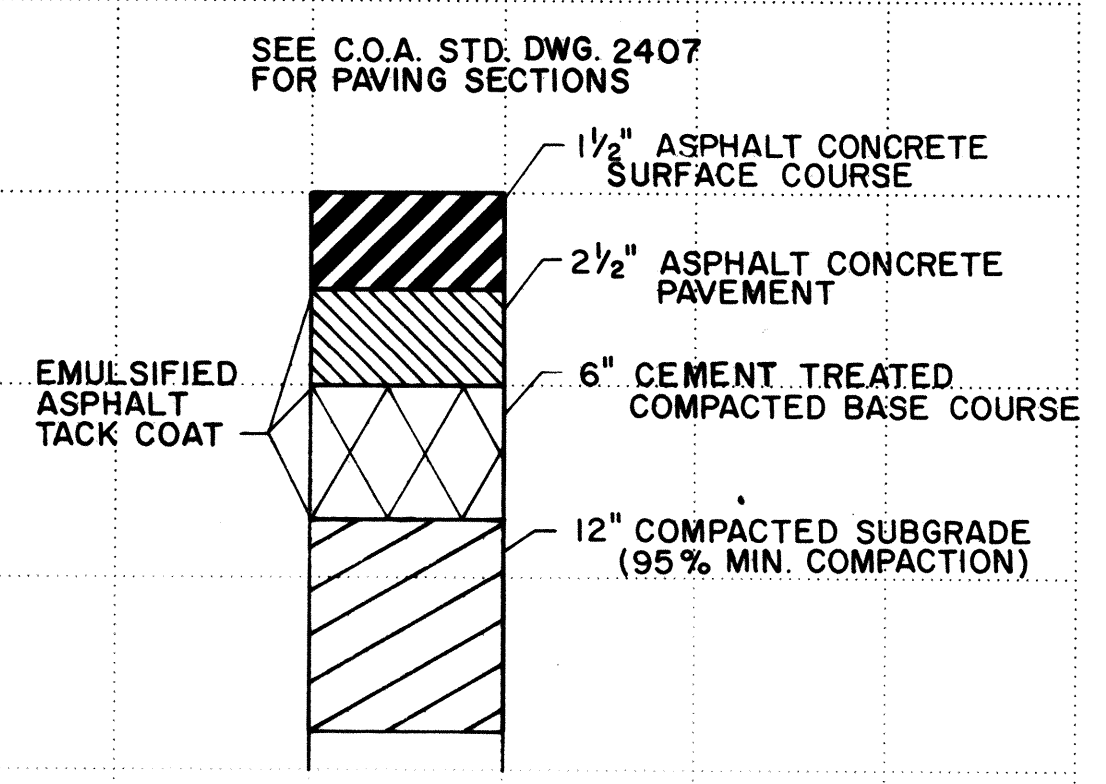
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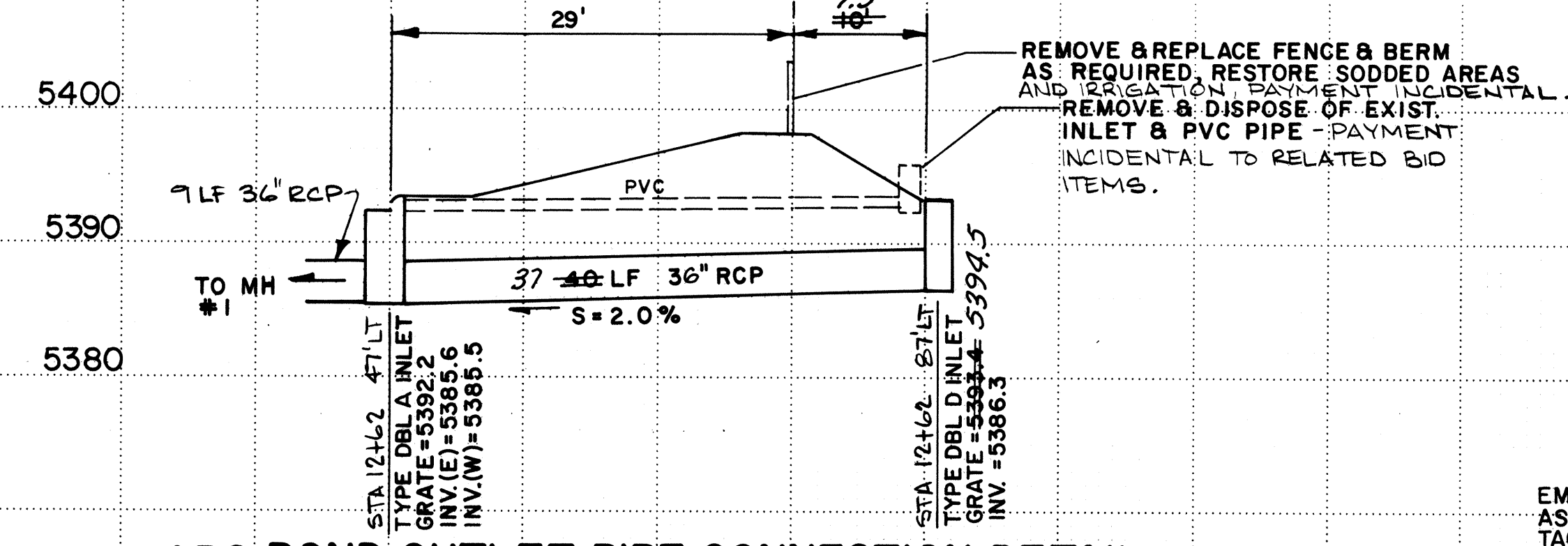
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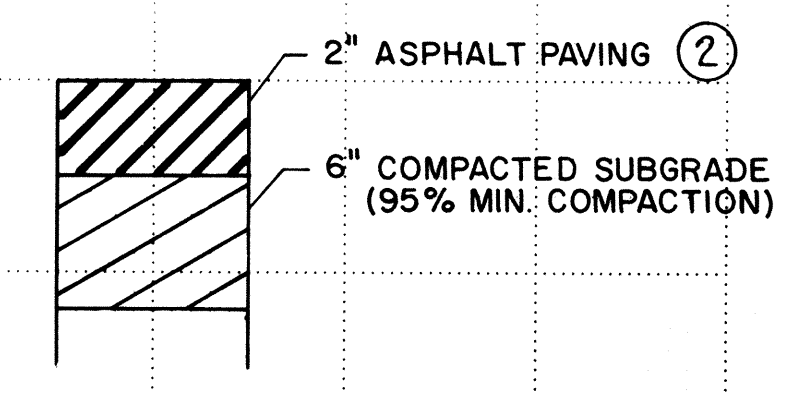
WATER RELOCATION DETAIL (TYP)
NTS WYOMING STA. 19+60



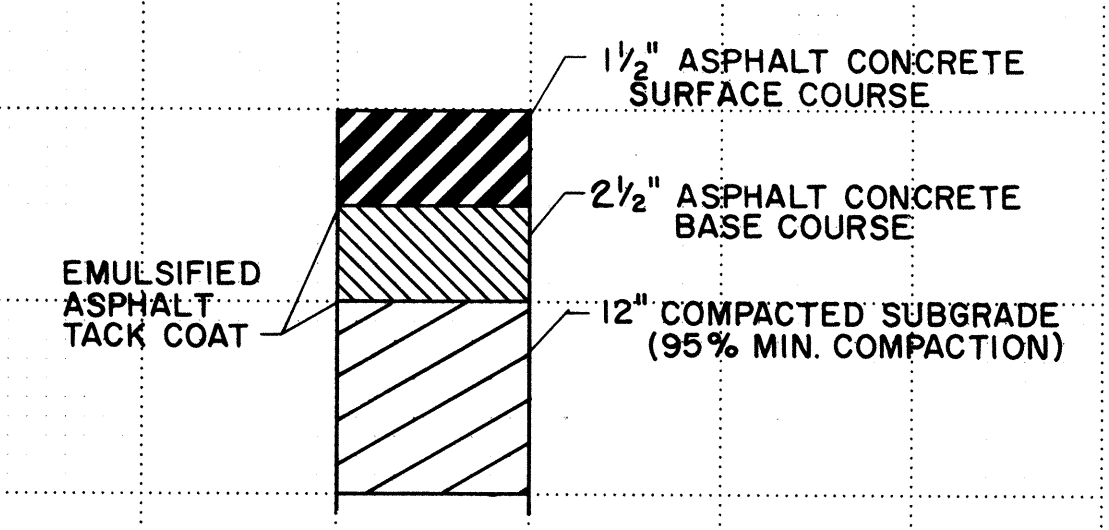
ARTERIAL PAVING SECTION ①
NTS WYOMING



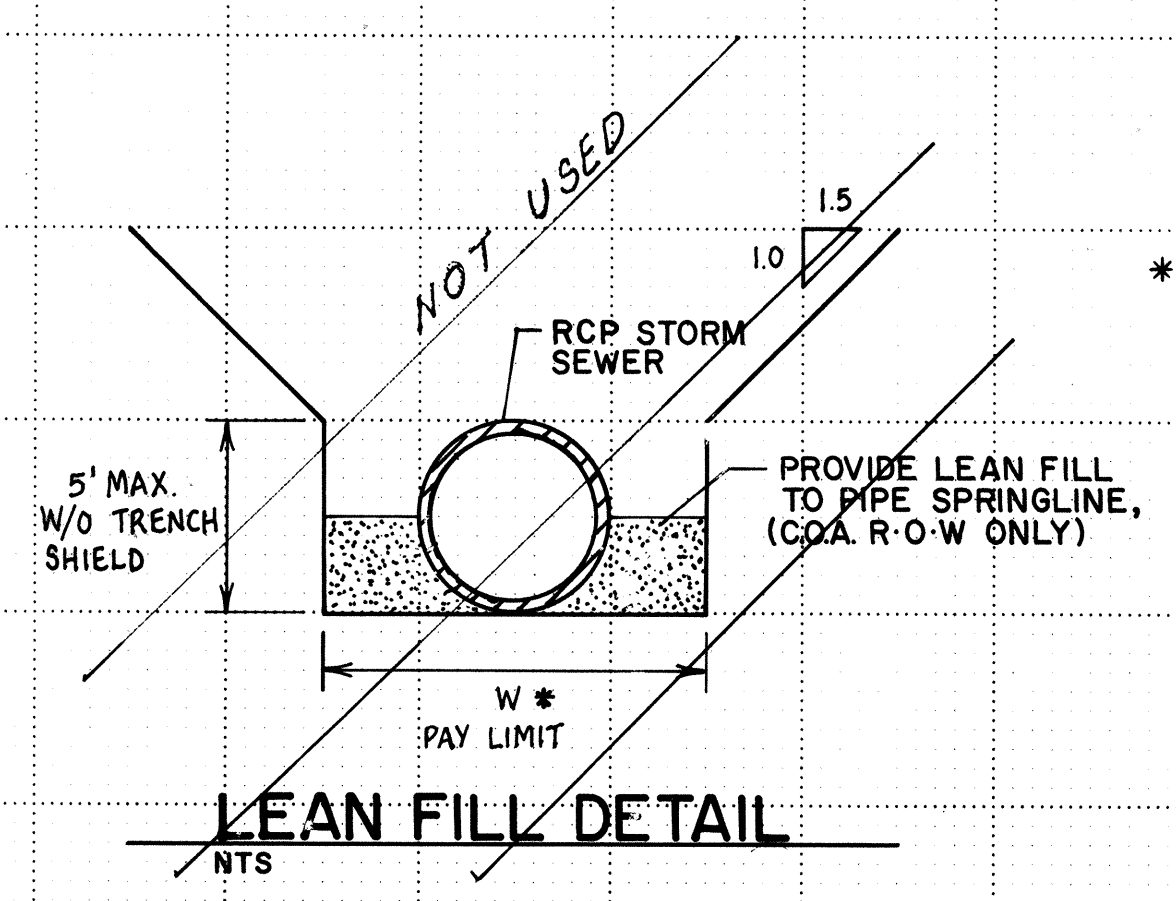
APS POND OUTLET PIPE CONNECTION DETAIL
NTS



TEMPORARY PAVING
NTS



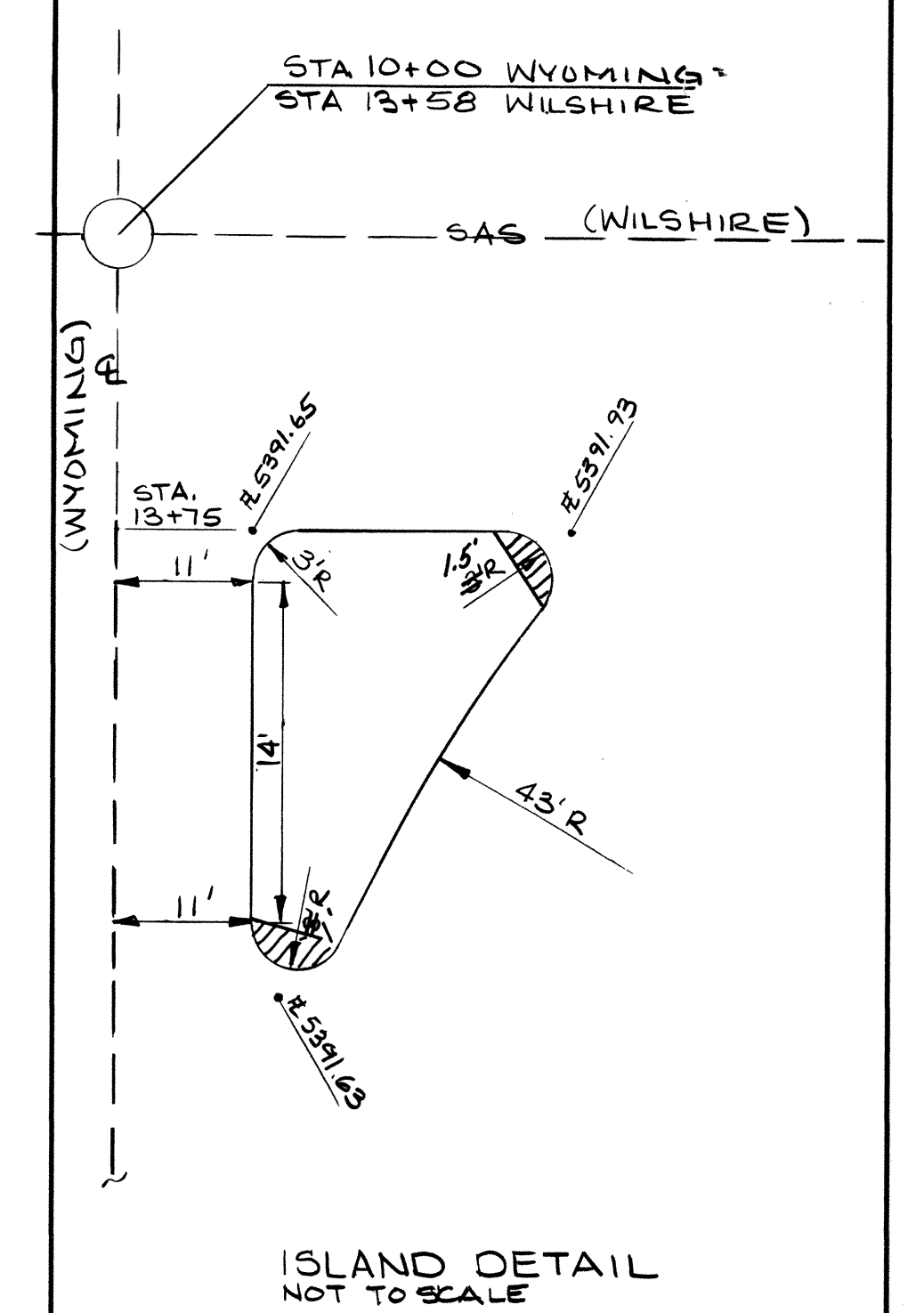
COLLECTOR PAVING SECTION
NTS WILSHIRE/CORONA



LEAN FILL DETAIL
NTS

PIPE DIA.	W (ft)
24"	5.0'
30"	5.5'
36"	6.0'
42"	6.5'
48"	7.0'
54"	7.5'
60"	8.0'

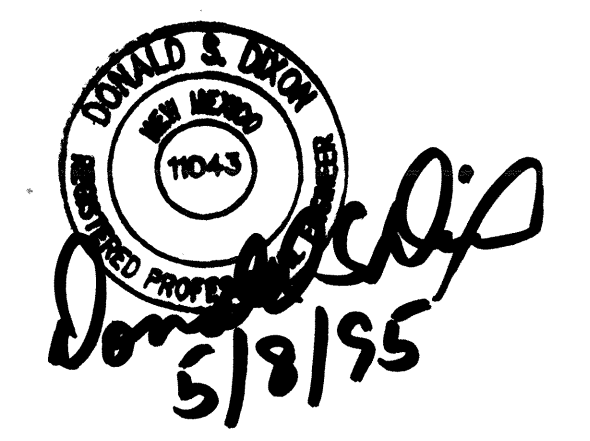
I, Donald S. Dixon (N.M. P.E. 11043),
Certify that the drawing or the
"As-Built" Dimensions was done
under my supervision.
Donald S. Dixon
8/28/97



ISLAND DETAIL
NOT TO SCALE

- THIS ARTERIAL PAVING SECTION TO REPLACE EXISTING AS DEFINED UNDER COA PROJECT 4769.90.
- TEMPORARY DETOUR PAVING TO BE REMOVED PRIOR TO FINAL ACCEPTANCE BY OWNER.

26-5214-90 0497



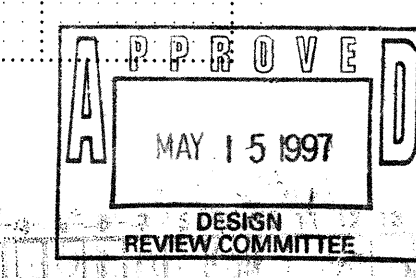
REVISIONS		
NO.	DATE	REMARKS

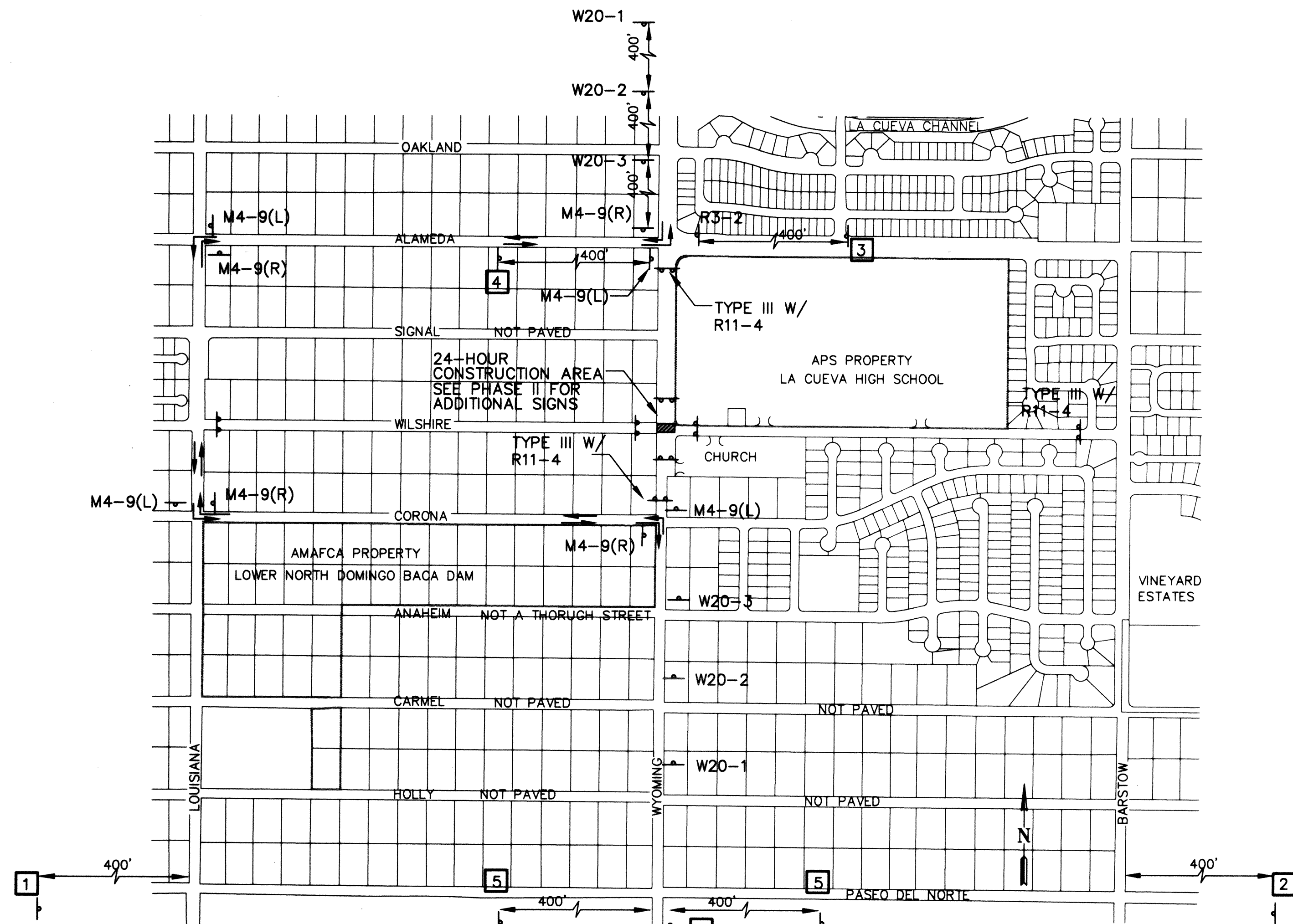
ALBUQUERQUE METROPOLITAN ARROYO
FLOOD CONTROL AUTHORITY
WYOMING STORM DRAIN
PROFILES, PAVING, & DETAILS

PROJECT NO.: 5214.90
DESIGNED BY: DSD/DBD
DRAWN BY: JS
CHECKED BY:
DATE:

Resource Technology, Inc.
DESIGN & CONSTRUCTION SERVICES
CIVIL, ENVIRONMENTAL, WATER RESOURCES, RECREATION & PLANNING
1000 N. 10th St., Suite 200, Albuquerque, NM 87102
PHONE: (505) 243-1111 FAX: (505) 243-1112

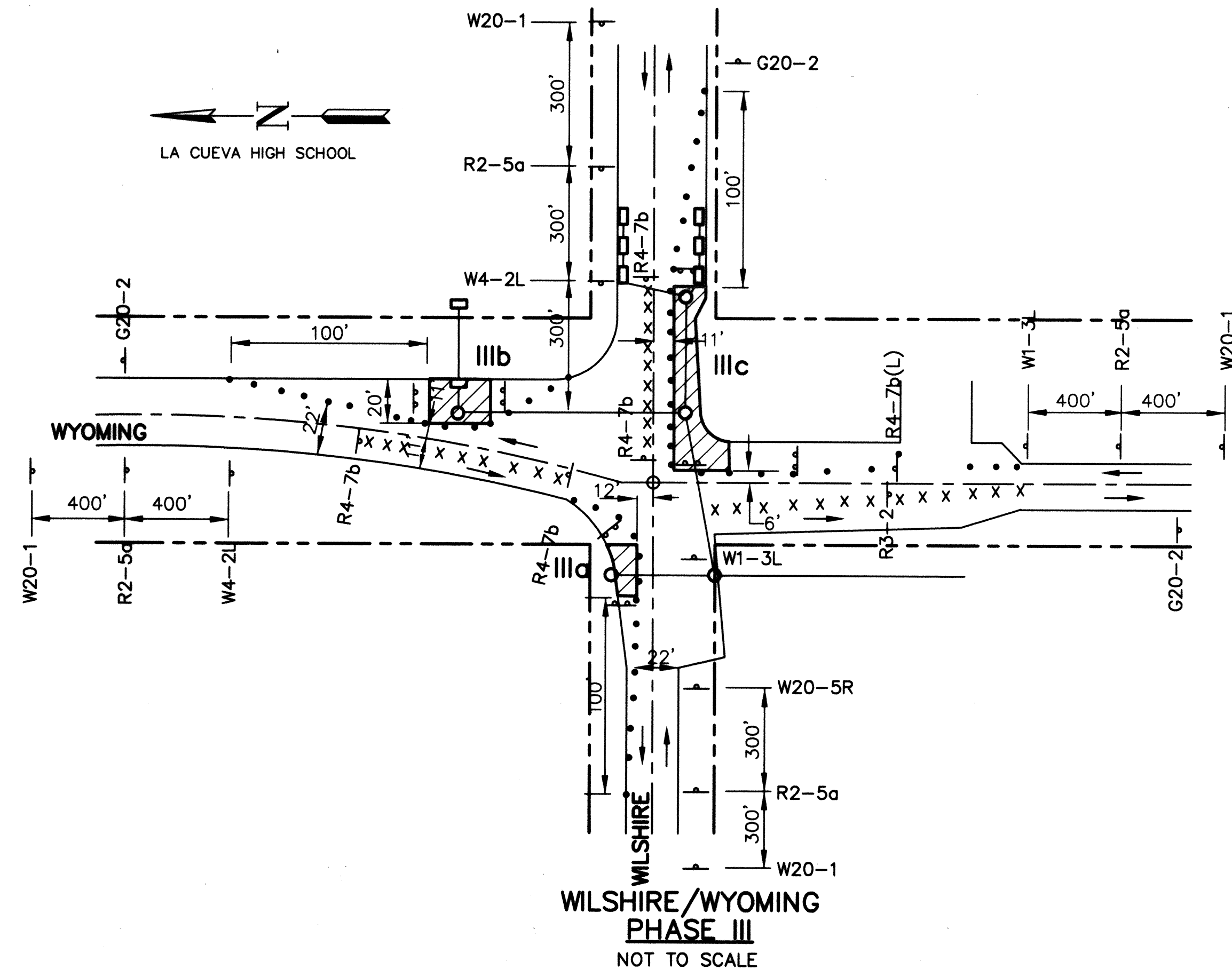
SHEET 4 OF 8



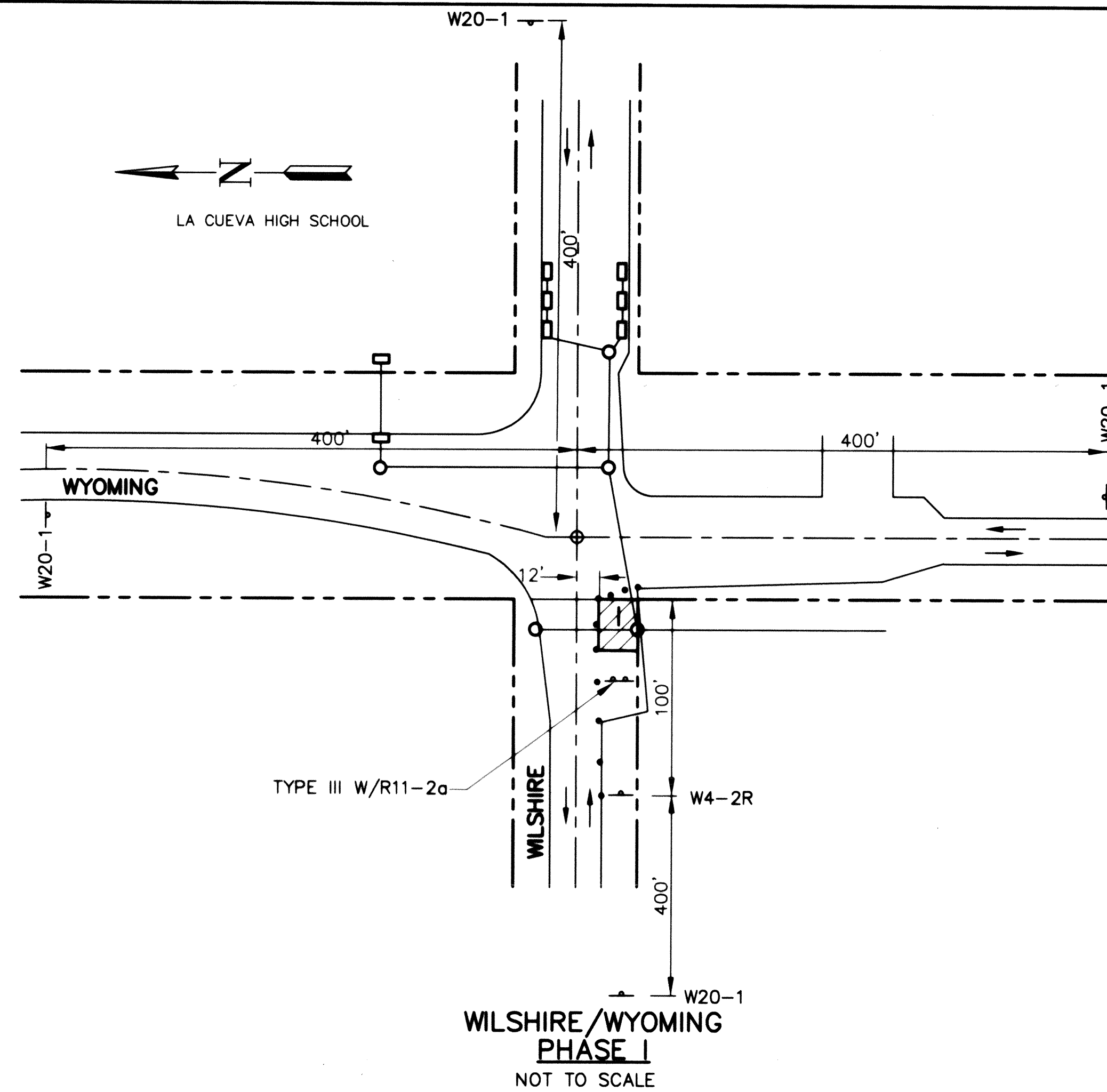


WYOMING/WILSHIRE 24-HOUR
CONSTRUCTION DETOUR PLAN

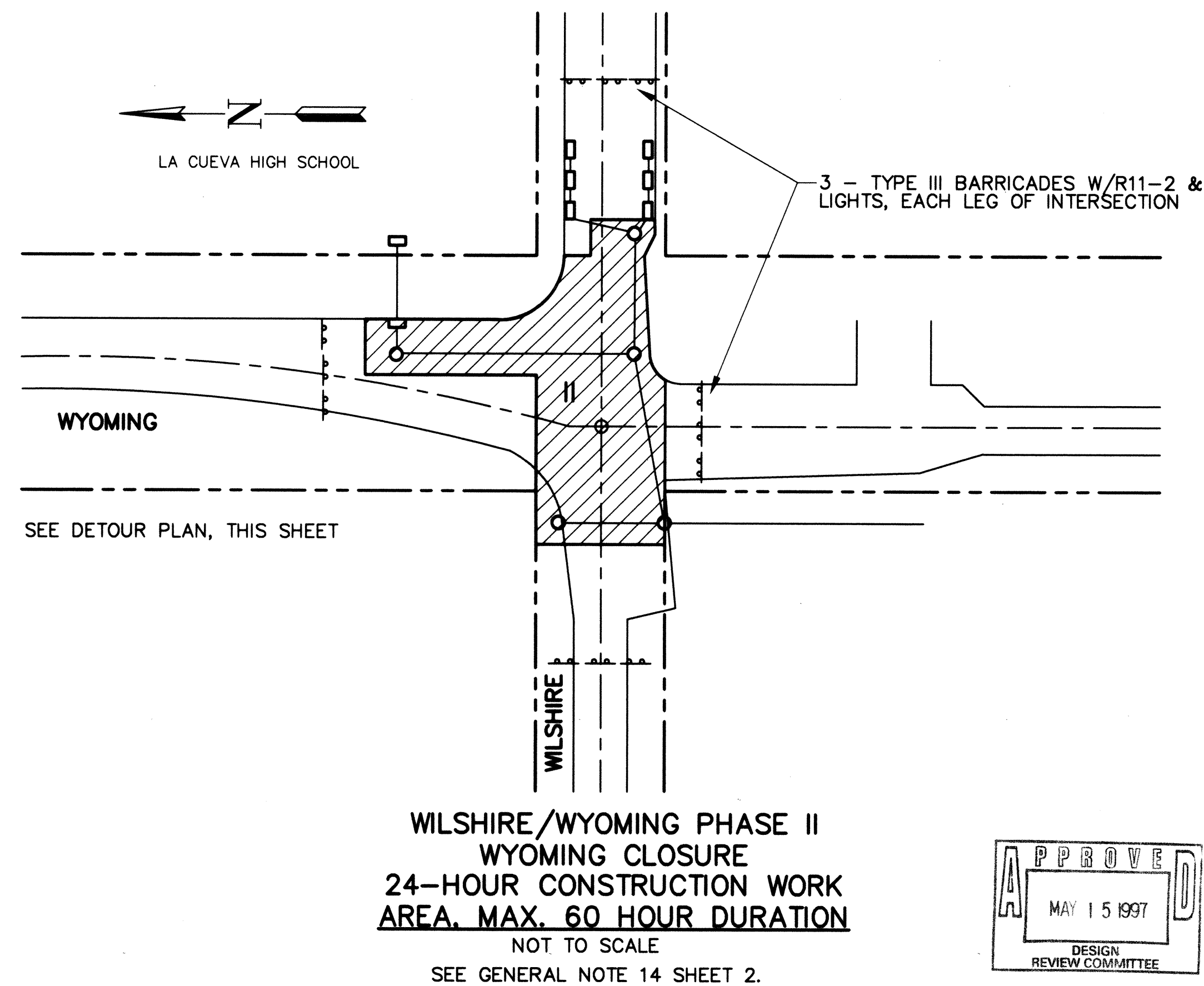
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WILSHIRE/WYOMING
PHASE III
NOT TO SCALE



WILSHIRE/WYOMING
PHASE I
NOT TO SCALE



WILSHIRE/WYOMING PHASE II
WYOMING CLOSURE
24-HOUR CONSTRUCTION WORK
AREA, MAX. 60 HOUR DURATION
NOT TO SCALE
SEE GENERAL NOTE 14 SHEET 2.

GENERAL NOTES (continued)

15. Concrete wall barrier for use in construction traffic control may be obtained from AMAFCA. Concrete wall barrier units area located at Unser and I-40. Upon completion of work concrete wall barrier units shall be returned to AMAFCA's storage yard at the North Diversion Channel.

16. All sub-outs shall be provided with pre-cast concrete plugs. Payment shall be incidental to related items.

17. Removal and replacement of permanent traffic control signs and striping shall be considered incidental to related items.

18. Riprap rock available at AMAFCA North Diversion Channel storage yard.

SPECIAL SIGNS

- 1 SPECIAL SIGN 48"x 48" NORTH BOUND WYOMING CLOSED, USE LOUISIANA
- 2 SPECIAL SIGN 48"x 48" NORTH BOUND WYOMING CLOSED, USE BARSTOW
- 3 SPECIAL SIGN 48"x 48" SOUTH BOUND WYOMING CLOSED, USE LOUISIANA
- 4 SPECIAL SIGN 48"x 48" SOUTH BOUND WYOMING CLOSED, USE BARSTOW
- 5 SPECIAL SIGN 48"x 48" WYOMING CLOSED AT CORONA

LEGEND

- WORK AREA
- BARRICADE - TYPE III
- BARRICADE - TYPE I, II OR BARREL
- TRAFFIC DIRECTION
- WARNING SIGN
- VERTICAL PANEL



REVISIONS		
NO.	DATE	REMARKS

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

WYOMING STORM DRAIN

TRAFFIC CONTROL PLAN
WYOMING & WILSHIRE

PROJECT NO.:
DESIGNED BY:
DRAWN BY:
CHECKED BY:
DATE:

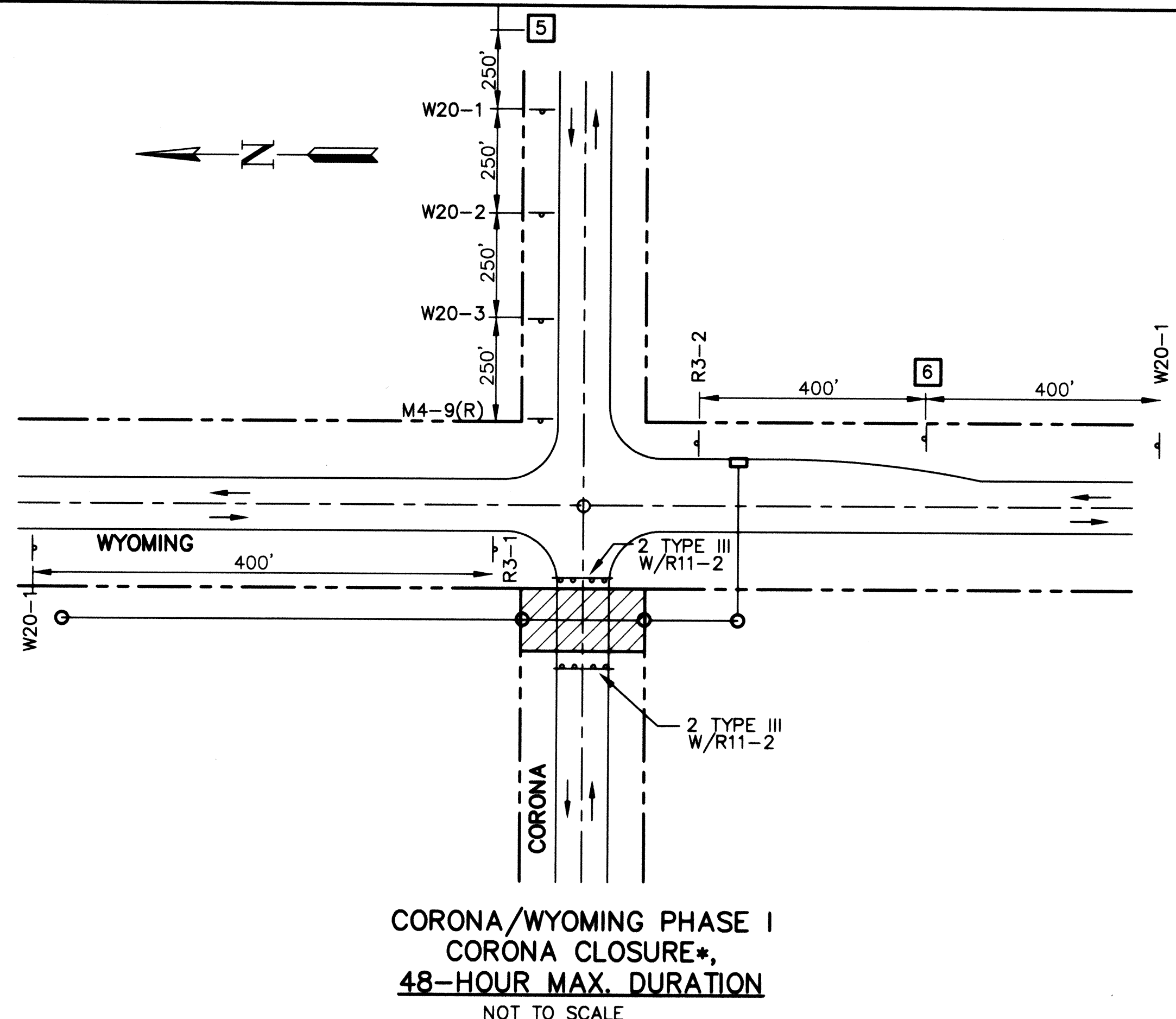
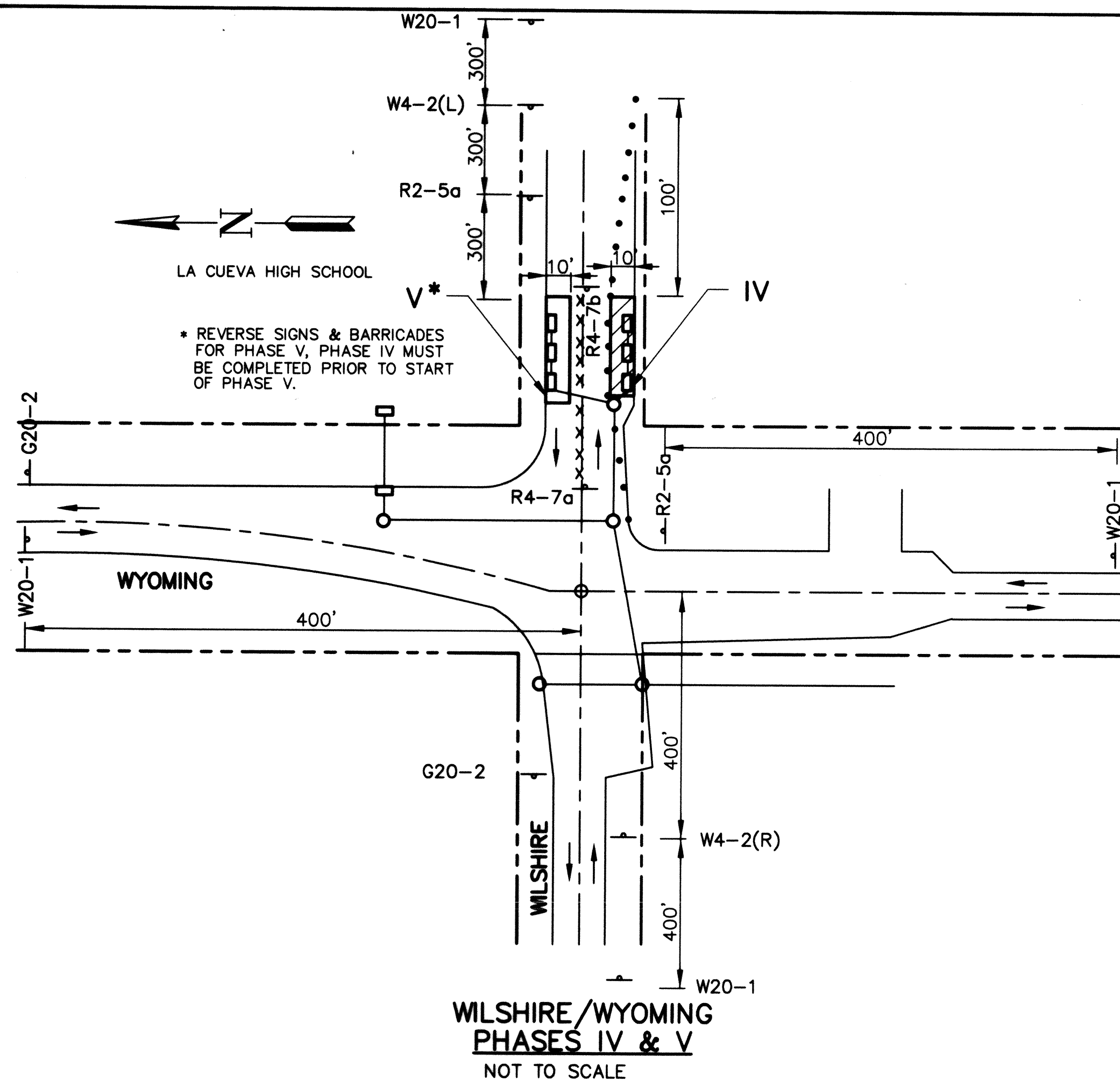
Resource Technology, Inc.
ENGINEERS & ENVIRONMENTAL SCIENTISTS
CIVIL, ENVIRONMENTAL, WATER RESOURCES, GEOTECHNICAL & PLANNING
2500 SAN ANTONIO AVE. SUITE 200 ALBUQUERQUE, NEW MEXICO 87110
TELEPHONE: (505) 263-2000 FAX: (505) 263-2001

SHEET 5 OF 8

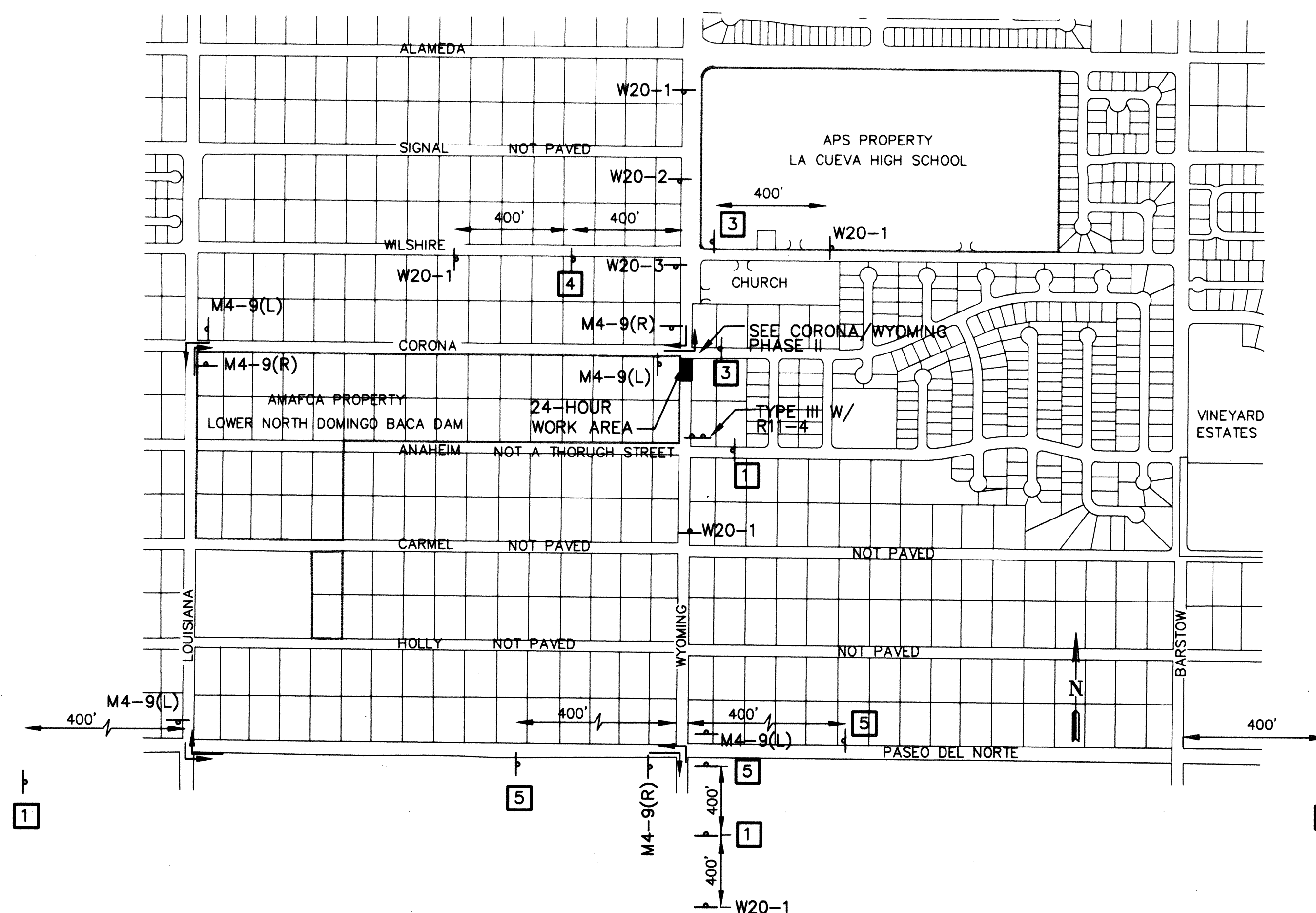
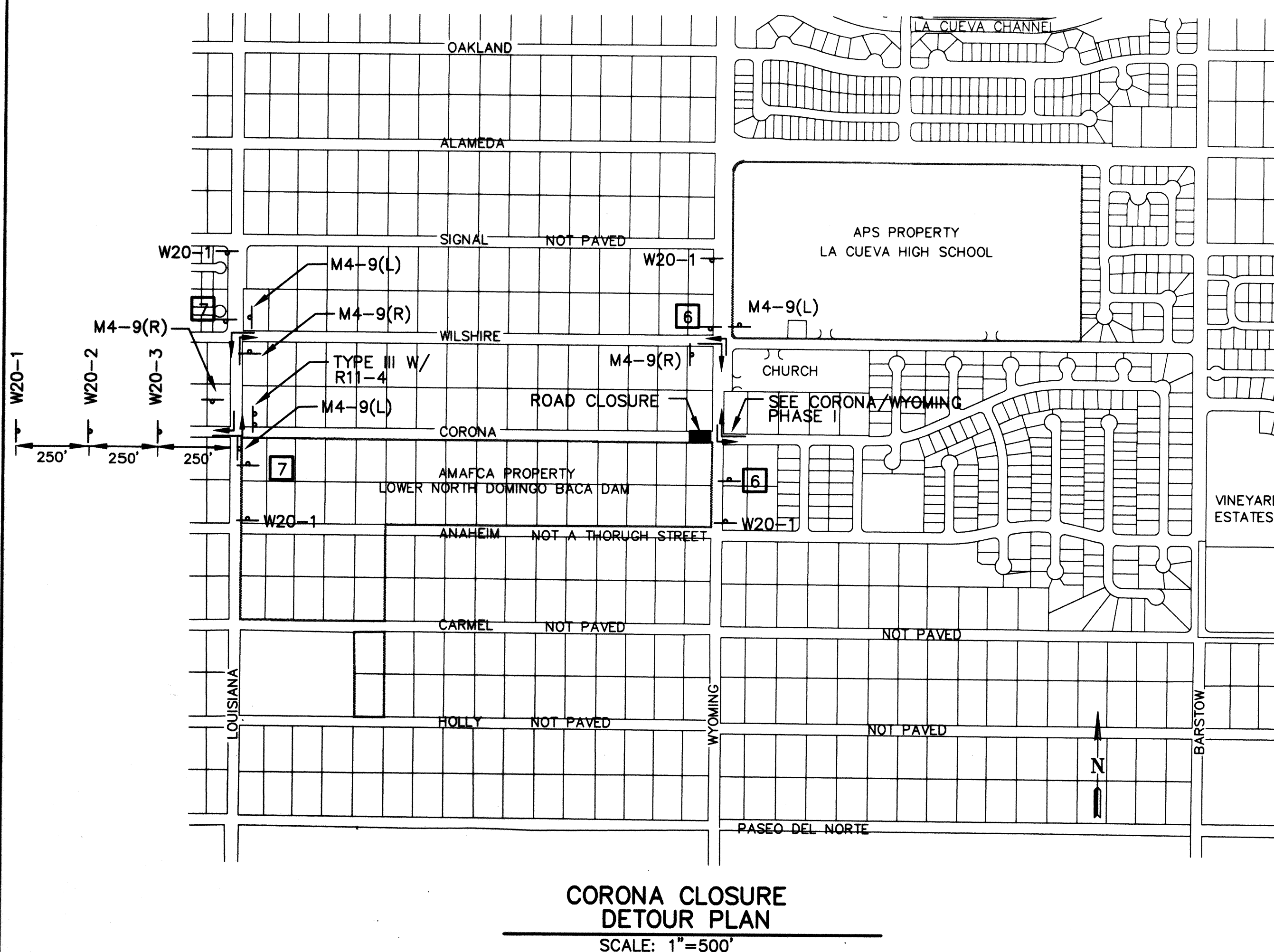
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26-5214.90 0597

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TIME: 04-23-97 08:32:00



CORONA/WYOMING PHASE II
WYOMING CLOSURE
24-HOUR CONSTRUCTION WORK AREA,
MAX. 60 HOUR DURATION
NOT TO SCALE



SPECIAL SIGNS

- SPECIAL SIGN 48"x 48" NORTH BOUND WYOMING CLOSED, USE LOUISIANA
- SPECIAL SIGN 48"x 48" NORTH BOUND WYOMING CLOSED, USE BARSTOW
- SPECIAL SIGN 48"x 48" SOUTH BOUND WYOMING CLOSED, USE LOUISIANA
- SPECIAL SIGN 48"x 48" SOUTH BOUND WYOMING CLOSED, USE BARSTOW
- SPECIAL SIGN 48"x 48" WYOMING CLOSED AT CORONA
- SPECIAL SIGN 48"x 48" WEST BOUND CORONA CLOSED, USE WILSHIRE
- SPECIAL SIGN 48"x 48" EAST BOUND CORONA CLOSED, USE WILSHIRE

LEGEND

- WORK AREA
- BARRICADE - TYPE III
- BARRICADE - TYPE I, II OR BARREL
- TRAFFIC DIRECTION
- WARNING SIGN
- VERTICAL PANEL

REVISIONS

NO.	DATE	REMARKS	BY

APPROVE
MAY 15 1997
DESIGN REVIEW COMMITTEE

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY
WYOMING STORM DRAIN
TRAFFIC CONTROL PLAN

PROJECT NO: 26-5214-90
DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]
DATE: 5/15/97

Resource Technology, Inc.
CONSULTING ENGINEERS
10000 ALBUQUERQUE AVENUE, SUITE 100
ALBUQUERQUE, NM 87111
PHONE: (505) 261-1111
FAX: (505) 261-1112

SHEET 5a OF 5

CPN 5214.90

26-5214-90 5A9-1

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 7:00 A.M. OR END WORK AFTER 7:00 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.

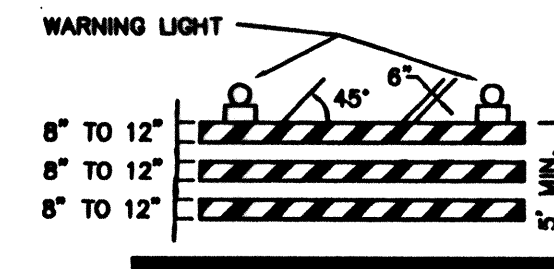
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC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

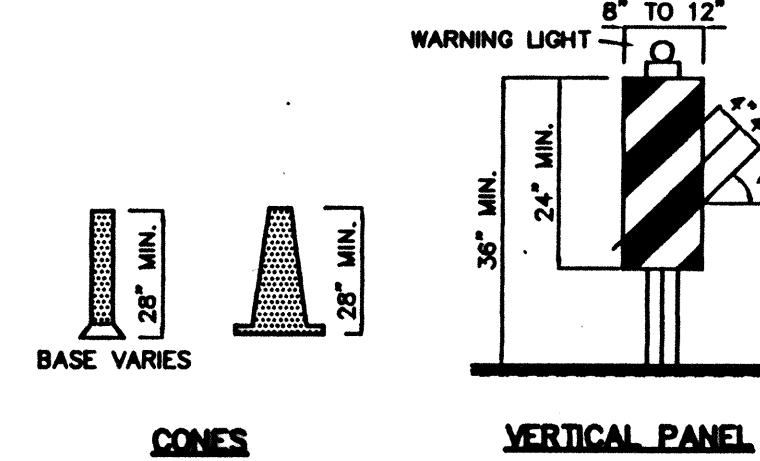
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

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

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.



TYPE II BARRICADE



CONES

VERTICAL PANEL

HIGH LEVEL WARNING DEVICE

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

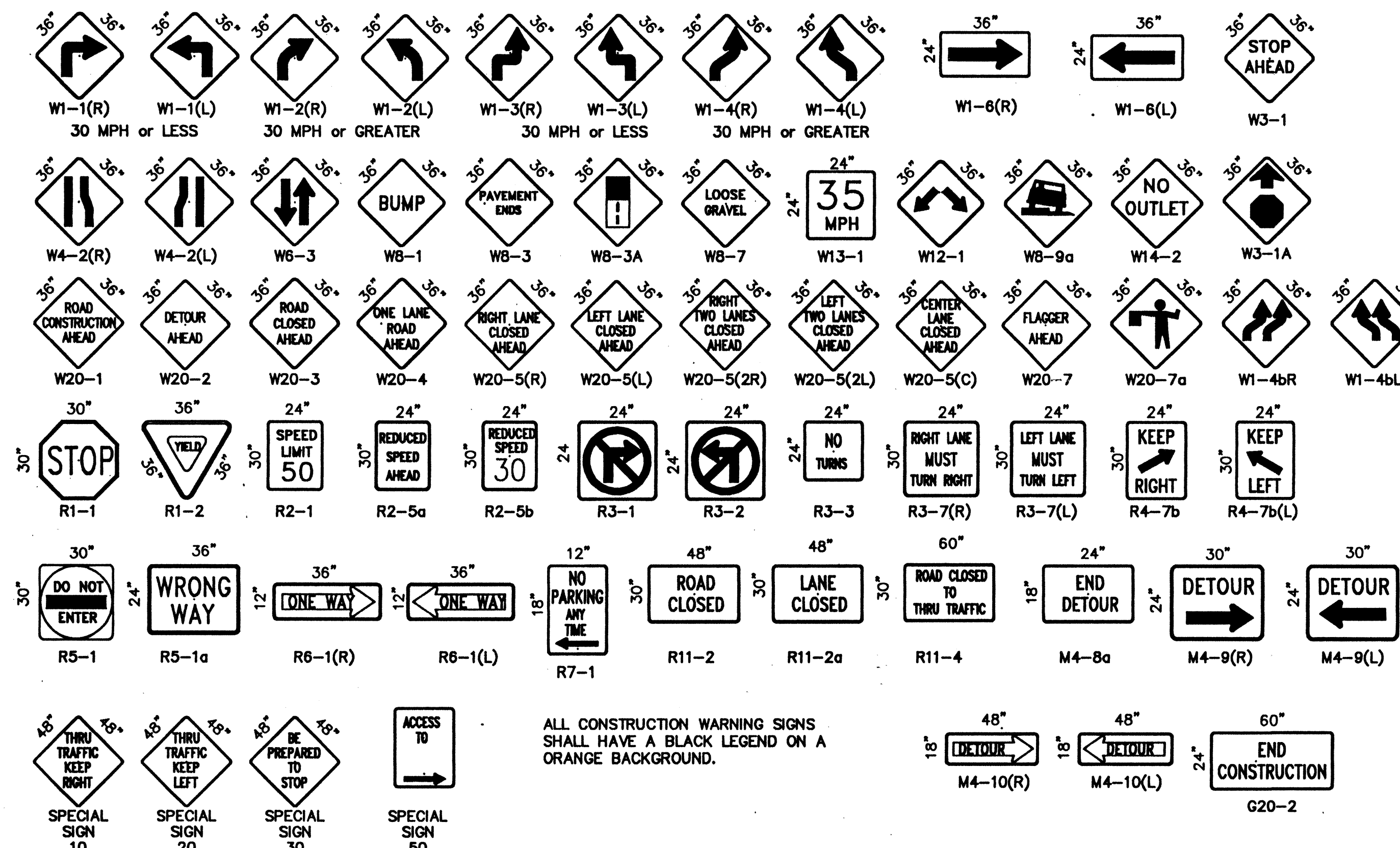
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

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	MO./DAY/YR.	
LAST UPDATE		MO./DAY/YR.	
PROJECT NO. 5214.90		MAP NO. C-19	SHEET 6 OF 8

26-5214.90 0691

