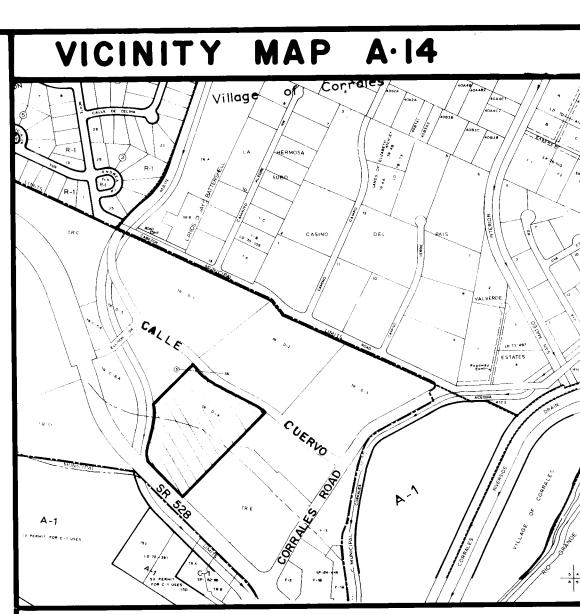
# HOMEBASE

### INDEX

SHEET TITLE SHEET NUMBER

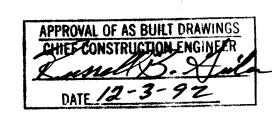
COVER I
SITE PLAN 2
WATERLINES 3
PAVING - SR 528 4
PAVING - CALLE CUERVO 5
CONSTRUCTION TRAFFIC CONTROL 6 8 7



## GENERAL NOTES

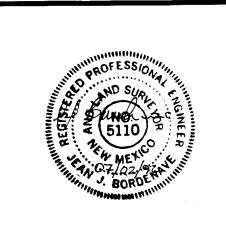
- 1. All work detailed on these plans to be performed under this contract shall, except as otherwise stated or provided for herein, be constructed in accordance with "City of Albuquerque Standard Specifications Public Works Construction, 1986", and New Mexico Utilities, Inc., 05/92.
- Two (2) working days prior to any excavation, Contractor shall contact New Mexico One Call System, 260-1990, for location of existing lines.
- References made to Standard Drawings refer to City of Albuquerque Standard Detail Drawings, 1986, and New Mexico Utilities, Inc., 05/92.
- 4. Stations shown are centerline stations.
- 5. 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 or Surveyor so that the conflict can be resolved with a minimum amount of delay.
- 6. Backfill compaction shall be according to Arterial street use.
- 7. Three (3) working days in advance of any work on existing public water utilities the Contractor shall contact the Water Systems Operator. for the execution of the Valve Shut-off Plan. Contact New Mexico Utilities, Inc. of 898-2661.
- 8. Three 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. Refer to Section 19 of the Standard Specifications. All street striping altered or destroyed shall be replaced in kind by Contractor to location and in kind as existing or as indicated by this plan set.
- 9. Contractor will not be allowed to use Class IV or V soils for embedment of flexible pipe. Contractor will not be allowed to deflect joints in flexible pipe. Any deflections required to meet vertical alignment will be achieved between joints.

# 1 2 8 4 8 6 7 8 9 10 11 12 13 14 15



A Mark Committee of the Committee of the

DEV	SHEETS	CITY ENGR.	DATE	USER DEPT.	DATE	USER DEPT.	DATE



BORDENAVE DESIGNS
P.O. BOX 91194
ALBUQUERQUE, NM 87199-1194
(505) 823-1344

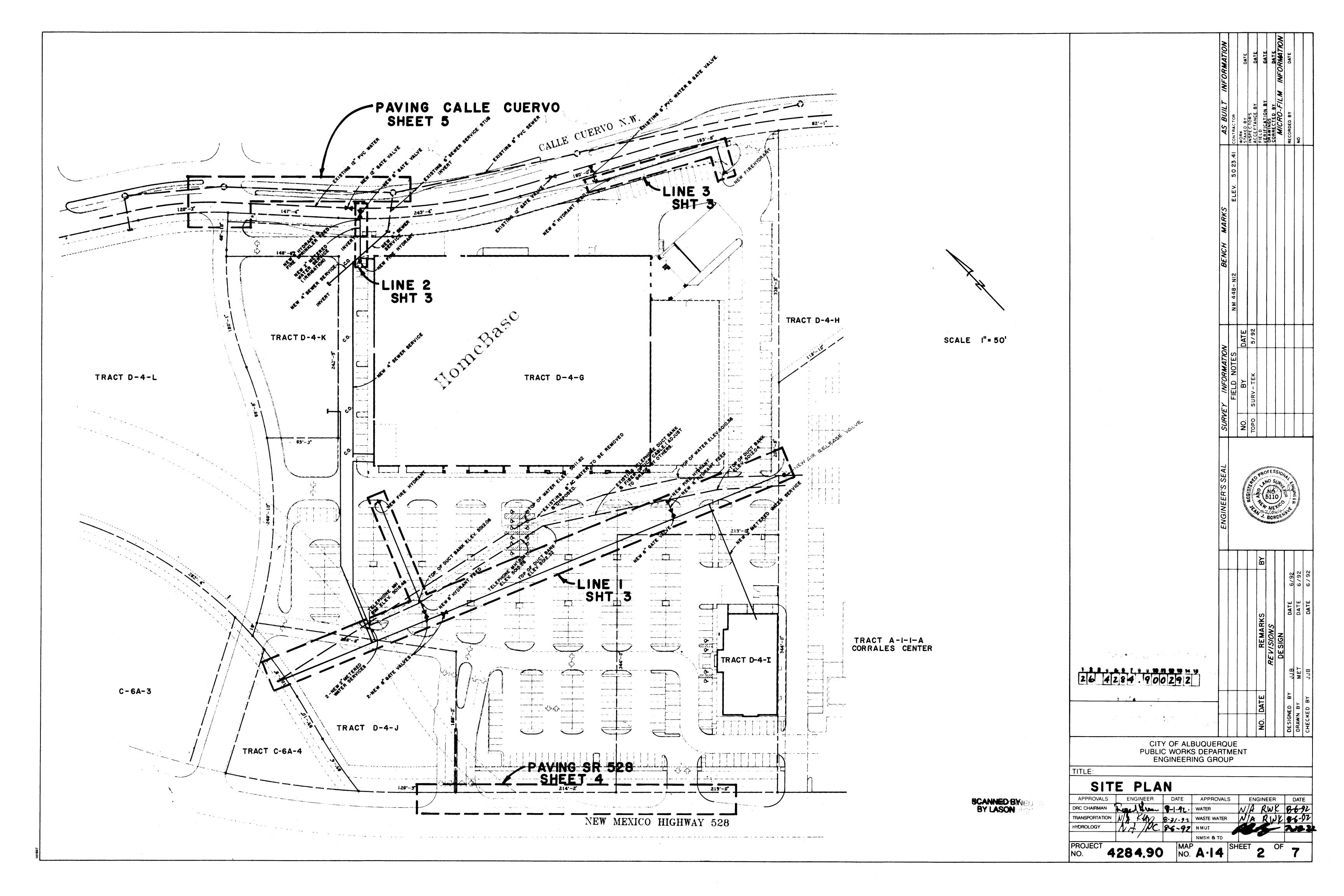
Togeth Thour

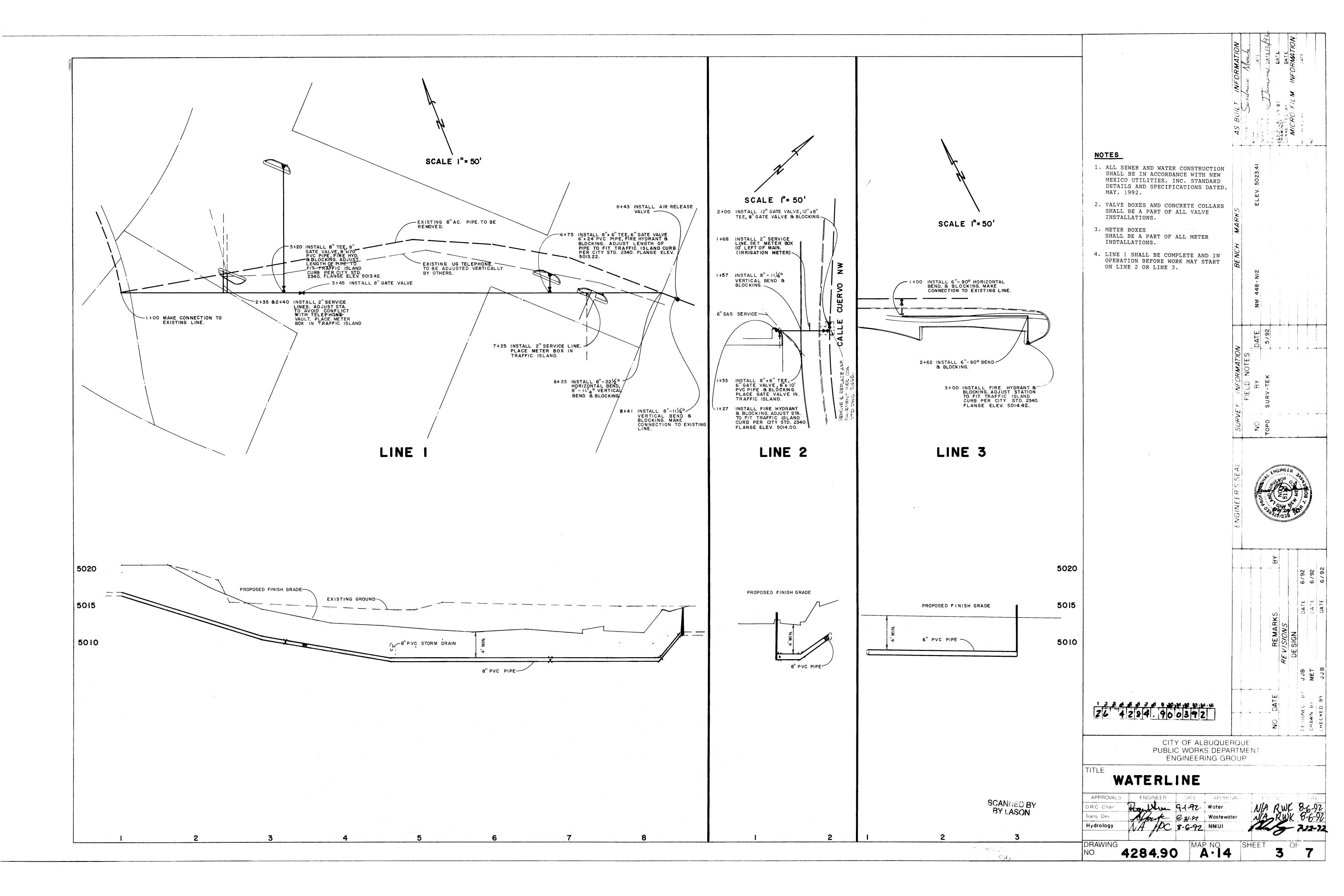
APPROVED FOR CONSTRUCTION

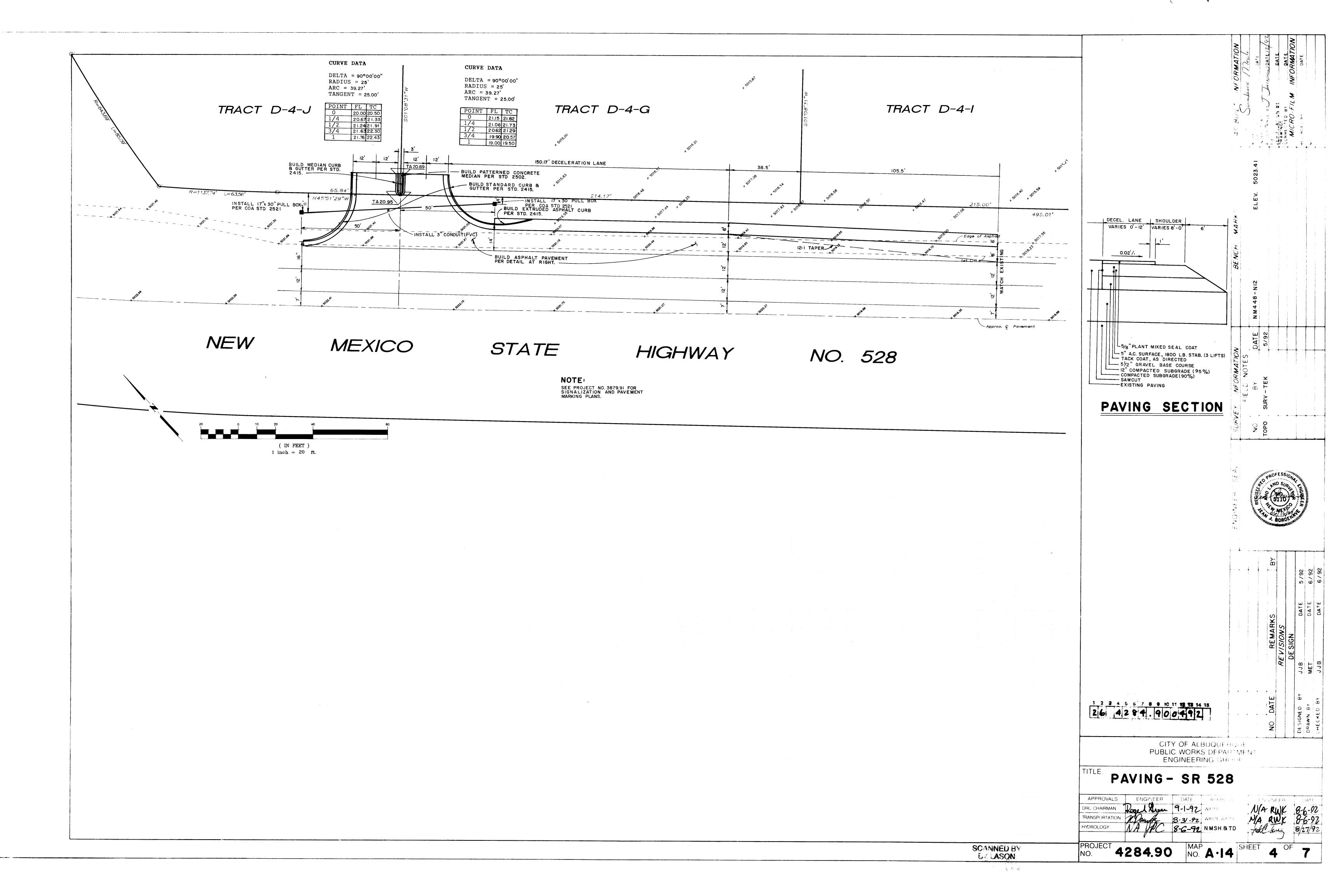
PROJECT NO.

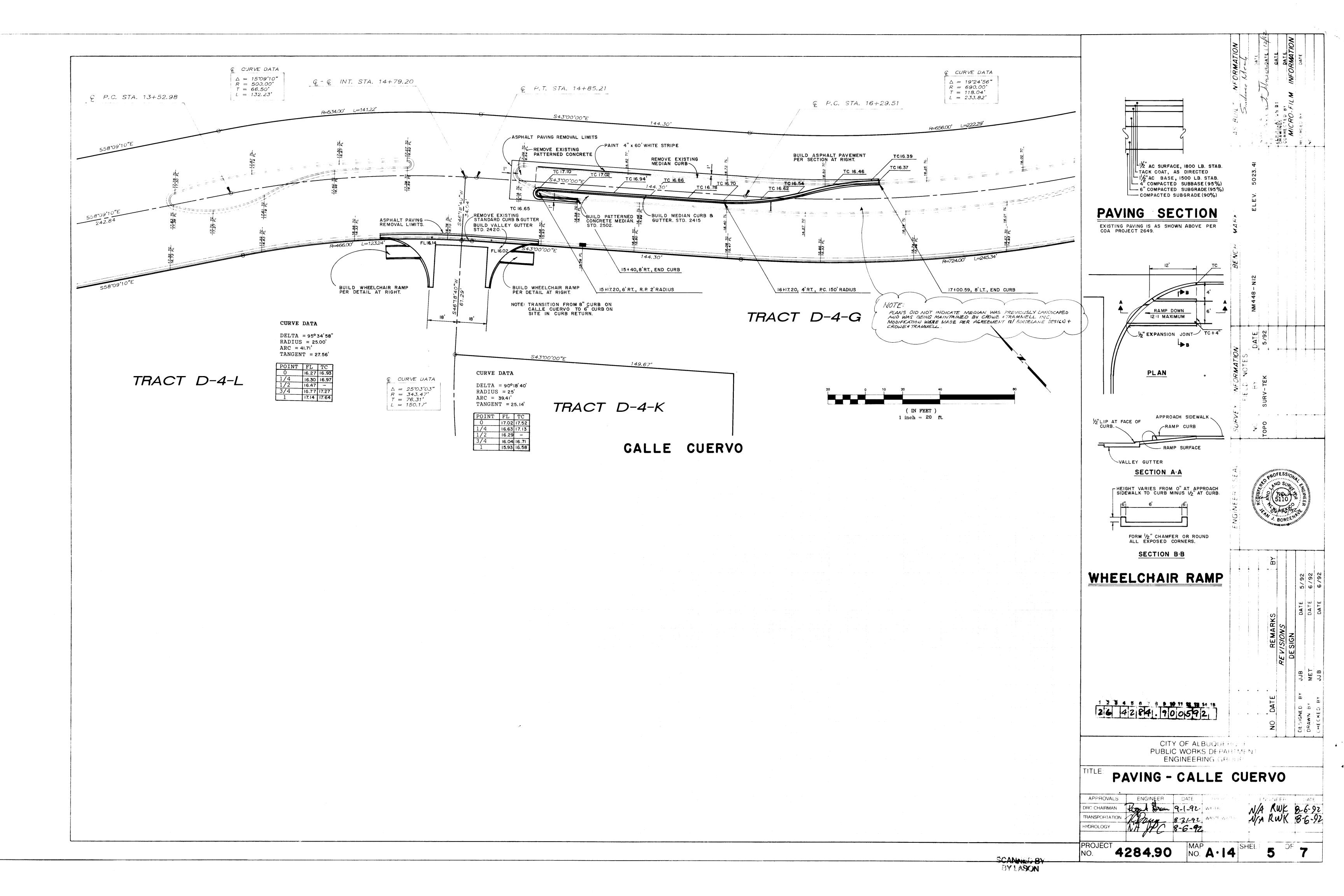
4284.90

SHEET









#### 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 GA-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 GA-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 LETTERING ON BLUE REFLECTORIZED BACKGROUND WITH A 5/8" WHITE BORDER INSET 3/8" 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 AN 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 GA-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.

- 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.

PROJECT CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

PREPARED TO

SIGN

SLOW

SPECIAL SIGN 40

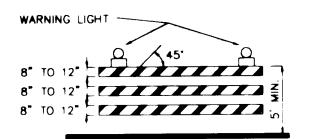
THRU
TRAFFIC
KEEP

SIGN 20

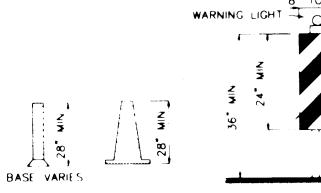
THRU
TRAFFIC
KEEP
RIGHT

ACCESS TO

SPECIAL



TYPE III BARRICADE



WARNING LIGHT

8" 10 12"

8" '0 12"

WARNING LIGHT

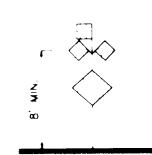
8" TO 12"

TYPE | BARRICADE

TYPE II BARRICADE

COLLAPSIBLE

VERTICAL PANEL CONES



HIGH LEVEL WARNING DEVICE

BUFFER SPACE

TYPE III

■ R11-2o

₩1-6(L) TAPER AREA

TERMINATION AREA

ADVANCE WARNING AREA

#### 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 RECHIREMENTS

SPEED	TA	PER LENC (FEET)	STH	MINIMUM	MAXIMUM SPACING	I DEVICE
LIMIT (MPH)	10' LANE	11' LANE	12' LANE	OF DEVICES FOR TAPER	ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	50
25	105	115	125	6	25	60
30	150	165	180	7	30	70
35	205	225	245	8	35	80
40	270	295	320	9	40	90
45	450	495	540	13	45	100
50	500	550	600	13	50	100
55	550	605	660	13	55	40

TRAFFIC CONTROL ELEMENTS

	RECOMMEN	DED SIGN	SPACING FOR
	ADVANCE.	WARNING	SIGN SERIES
	SPEED	MINIMUM [	DISTANCE IN FEET
-	MILES PER HOUR	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
	0-20	200	200
	25-30	<b>30</b> 0	250
	30-35	300	300
	40-45	<b>50</b> 0	400
	50-60	500-1600	500-1000

#### TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	LMINIMUM
SHIFTING TAPER	1/2 L MINIMUM 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 x S

L = TAPER LENGTH W = WIDTH OF OFFSET IN FEET S - POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

26 4284.900692

4284.90

#### CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP

ENGINEER

TITLE:				
	CONST	RUCTION	TRAFFIC CON	TROL
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINE
DO CHAIDHAN	10	0 1 01	WATED	

PROJECT		MA	P	SHE	ΕT	C	)F
HYDROLOGY	· ula						
TRANSPORTATION	NARKS	8-31-92	WASTE WATE	R	N	A	<u> </u>
DRC CHAIRMAN	Rogaldran	9-1-92	WATER		لم	A	1
APPROVALS	ENGINEER	DATE	APPROVALS	EN	GINEER	₹	DATE

THE WAY SCANNED BY

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

SIGN FACE DETAILS AHEAD MPH RIGHT TWO LANES CLOSED AHEAD TWO LANES CLOSED CENTER LANE CLOSED ONE LANE ROAD AHEAD ROAD CLOSED AHEAD ROAD CONSTRUCTION AHEAD FLAGGER LEFT LANE CLOSED AHEAD RIGHT LANI CLOSED AHEAD DETOUR AHEAD W20-5(C)W20 - 7W20-5(2R)W20-5(2L)W20-3W20-4 KEEP REDUCED SPEED 30 KEEP REDUCED LEFT LANE NO MELD 50 MUST SPEED MUST TURNS AHEAD TURN RIGHT TURN LEFT RIGHT LEFT R4-7b R3 - 3R3 - 7(R)R2-5b R2-5a R2-1 ROAD CLOSED DETOUR **DETOUR** END ROAD DO NOT ONE WAY DETOUR ONE WAY PARKING CLOSED CLOSED THRU TRAFFIC WAY ENTER TIME M4-9(L)M4-9(R)R11-2a M4-8a R11-2 R6-1(R) R5-1a

ORANGE BACKGROUND.

WARNING LIGHT.

BE A MINIMUM OF FORTY EIGHT (48)

IN SIZE AND SHALL HAVE ONE

INCHES BY FORTY EIGHT (48) INCHES

48" **DETOUR** 

DETOUR M4-10(L)M4-10(R)

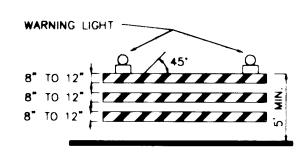
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ALL ADVANCE WARNING SIGNS SHALL

#### 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 GA-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 MUTCH, 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 GA-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 LOCAT WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCT COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH. WHITE LETTERIN ON BLUE REFLECTORIZED BACKGROUND WITH A 5/8" WHITE BORDER INSET ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT P OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSIN SHALL BE LISTED ON AN ACCESS SIGN. SHOPPING CENTERS AND MALLS 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 GA-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 WI 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. 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.

PROJECT CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES



TYPE III BARRICADE

CONES

WARNING LIGHT

8" 10 12" TITE

WARNING LIGHT

8" TO 12"

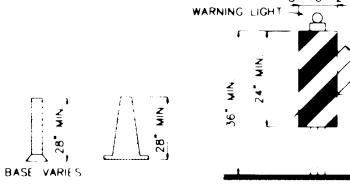
TYPE | BARRICADE

COLLAPSIBLE

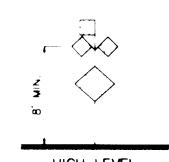
8" 10 12"

TYPE II BARRICADE

COLLAPSIBLE



VERTICAL PANEL



HIGH LEVEL WARNING DEVICE

BUFFER SPACE

TYPE III /

R11-20

W1-6(L) TAPER AREA

TERMINATION AREA

WORK ZONE

ADVANCE WARNING AREA

#### **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	TA	PER LENG (FEET)	GTH	MINIMUM	JMBER SPACING IN	
(MPH)	10' LANE	11' LANE	12' LANE	OF DEVICES FOR TAPER	ALONG TAPER	AFTEI TAPE
20	70	75	80	5	20	50
25	105	115	125	6	25	60
30	150	165	180	7	30	70
35	205	225	245	8	35	80
40	270	295	320	9	40	90
45	450	495	540	13	45	100
50	500	550	600	13	50	100
55	550	605	660	13	55	40

TRAFFIC CONTROL ELEMENTS

RECOMMEN	DED SIGN	SPACING FOR
ADVANCE.	WARNING	SIGN SERIES
SPEED	MINIMUM D	DISTANCE IN FEET
MILES PER HOUR	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	200	200
25-30	<b>30</b> 0	250
30-35	<b>30</b> 0	300
40-45	<b>50</b> 0	400
50-60	500-1600	500-1000

#### TAPER CRITERIA

UPSTREAM TAPER:  MERGING TAPER  SHIFTING TAPER  SHOULDER TAPER  TWO-WAY TRAFFIC TAPER  100 FEET PER LANE	TYPE OF TAPER	TAPER LENGTH
DO TELL TEN EARL	MERGING TAPER SHIFTING TAPER SHOULDER TAPER	1/2 L MINIMUM 1/2 L MINIMUM

#### TAPER LENGTH COMPUTATION

SPEED LIMIT			
40 MPH OR LESS	$L = \frac{WS^2}{60}$		
45 MPH OR GREATER	L = W x S		

- L = TAPER LENGTH W = WIDTH OF OFFSET IN FEET S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

26 4284.900792

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP  TITLE:  CONSTRUCTION TRAFFIC CONTROL  APPROVALS ENGINEER DATE APPROVALS ENGINEER DRC CHAIRMAN Regulation 9-1-92 WATER N/A TRANSPORTATION N/A B-3/42 WASTE WATER N/A HYDROLOGY N/A	DESIGNED BY DRAWN BY CHECKED BY		NQ. DATE					15	EAK MPH 10 11 12 13 14 1	OFFSET IN FEET EED OR OFF-P ITILE SPEED IN 4 5 6 7 8 9 4 2 8 4 . 9
CONSTRUCTION TRAFFIC CONTROL  APPROVALS ENGINEER DATE APPROVALS ENGINEER  DRC CHAIRMAN Regular 9-1-92 WATER N/A  TRANSPORTATION N/WAY SIGN WASTE WATER N/A  HYDROLOGY N/A				TME	PAR	DEP	ORKS	WC	PUBLIC	· ·
DRC CHAIRMAN Regulture 9-1-92 WATER N/A TRANSPORTATION N/WCARD 8-3190 WASTE WATER N/A HYDROLOGY N/A			ROL	NTR	c co	RAFFIC	ON T	JCTI	CONSTRU	TITLE:
TRANSPORTATION NIGHT STATE WATER NAME HYDROLOGY NIA	DATE	₹ ]	ENGINEER		OVALS	APPROV	TE	DA	ENGINEER	APPROVALS
HYDROLOGY $\rho/A$		A	N/A		₹	WATER	1-92	9-1	Kegellin	ORC CHAIRMAN
HYDROLOGY NA		A	NA	ER	WAT	WASTE	3190	g.	Nacro	TRANSPORTATION
DROJECT MAD SUEET OF									NA	HYDROLOGY
NO. 4284.90 NO. A-14 7	7	OF	HEET 7	SH	A		MA NO		9490	PROJECT NO.

M4-8a	M4-9(R)	M4-9(L)		TITL
48"	48"			_
DETOUR	DETOUR			APPRO
M4-10(R)	M4-10(L)			DRC C
				TRANSP
				HYDRO
				PRO
			SCANNED BY	NO.

BY LASON

SIGN FACE DETAILS									
	-2(R) W1-2(L) W1-3(R) W1 MPH or GREATER 30 MPH or		48" 48" STOP AHEAD W1-6(R) W1-6(L) W3-1						
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	BUMP PAVEMENT ENDS WI	18" 100SE GRAVEL  W8-7  W13-1  W12-	1 W8-9a W14-2 W3-1A						
CONSTRUCTION DE TOUR AHEAD AHEAD W20-1 W20-2 W2	HEAD AHEAD CLOSED C	RIGHT SO LEFT WO LANES CLOSED CLOSED AHEAD  0-5(L)  W20-5(2R)  W20-5(2L)  W20-5	FLAGGER AHEAD						
STOP IN IN	24" PEED JIMIT 50  REDUCED SPEED AHEAD  R24"  REDUCED SPEED 30  R2-50  R2-5b  R	24" 24" 24" 24" 24" 24"	LEFT LANE SHT SURN LEFT  KEEP RIGHT  KEEP  KEEP  KEEP  KEEP  KEEP  KEEP  LEFT						
SO NOT WRONG WAY  R5-1  R5-1  R5-1a	36" 36" NO PARKING ANY TIME  R6−1(R) R6−1(L)  R7−1	24" 24" 24" 24" 24" 24" 24" 24" 24" 24"	LOSED END DETOUR TO DETOUR						
THRU THRU TRAFFIC PRE	BE TO SLOW ACCESS TO	ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.	48" 48"  DETOUR  DETOUR						

TED TION NG T 3/8". PART	STOP R1-1	36" YIELD R1-2	SPEED LIMIT 50	REDUCED SPEED AHEAD	REDUCED SPEED 30	₹ <b>R</b> 3-	Q
NESSES SHALL	DO NOT ENTER	WAY	36" CONE WA		<u>≃</u> ( <u>****</u>	NO PARKING ANY TIME	30°
-4	<b>R5</b> —1	R5-1a	R6-1(R	() K	3-1(L)	R7-1	
<b>1</b> LL	THRU TRAFFIC KEEP RIGHT	THRU TRAFFIC KEEP LEFT	BE PREPARED TO STOP	SLOW SLOW	ACCESS TO		ALL SHA ORA
	SPECIAL SIGN	SPECIAL SIGN	SPECIAL	SPECIAL	SPECIAL		ALL

TANGE 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.

