

CONSTRUCTION PLANS
FOR
MODESTO AVENUE
FROM BARSTOW TO WYOMING

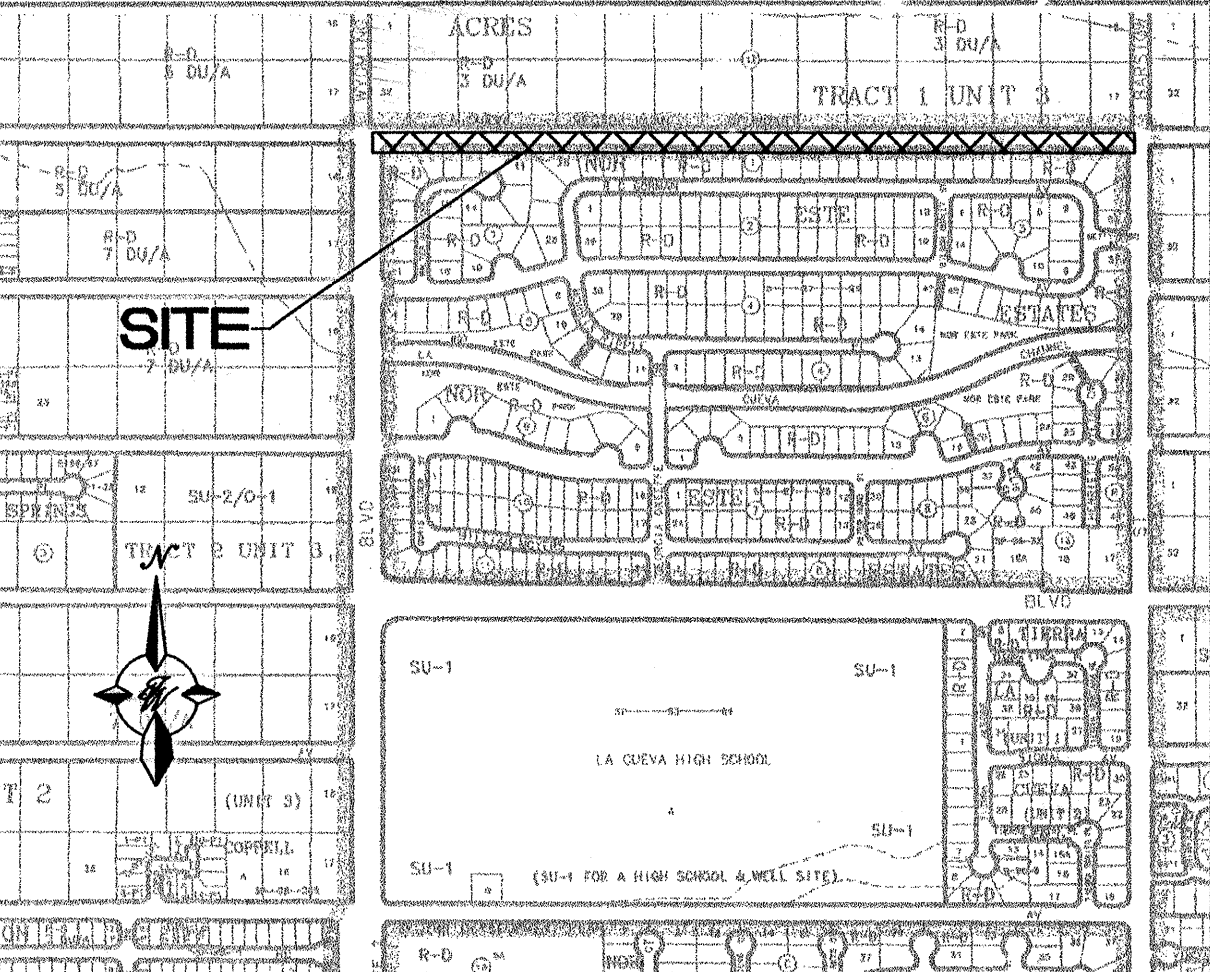
UTILITY & PAVING
IMPROVEMENTS

CITY OF ALBUQUERQUE
NEW MEXICO
MAY 2003

FW

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VICINITY MAP ZONE ATLAS: C-19-Z

- NOTICE TO CONTRACTORS
- SCALE NONE
1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (UPDATE #6)
 2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
 3. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24-HOUR CONSTRUCTION.
 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 OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 5. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATIONS DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO(2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.
 6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
 7. 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. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE DESIGNER'S EXPENSE.
 8. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
 9. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.
 10. ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
 11. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL RESIDENTS ON MODESTO AVENUE AT ALL TIMES DURING CONSTRUCTION ACTIVITY.

APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
John Chang
DATE: 9/14/05

DRB # - 1000109
TERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

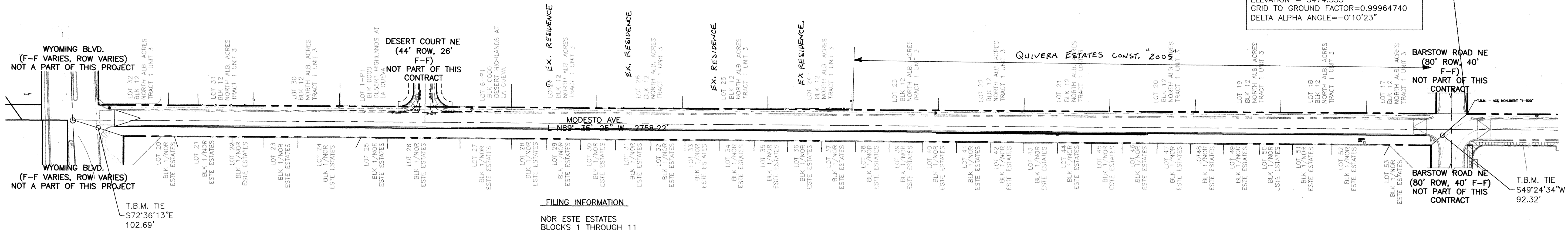
- THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
 - ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
 - ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE PROJECT ENGINEER.
 - ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
 - ☒ CURB IS DEPRESSED 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.

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		ORC Chairman	<i>John Chang</i>	6/16/03	APPROVED FOR CONSTRUCTION		
		Transportation	<i>John Chang</i>	6/14/03			
		Water/Wastewater	<i>William J. Bogel</i>	6/13/03			
		Hydrology	<i>Bruce L. Dyer</i>	6/13/03			
		Env. Health					
		Constr. Mngmt.			<i>John Chang</i> 6/18/03 City Engineer Date		
		Constr. Coord.	<i>John Chang</i>	6/13/03			
		CITY PROJECT NO.	713091		SHEET		
					1 OF 11		

RECORD DRAWING

Elevations are in NGVD 29.

SCANNED BY
MESA REPRO

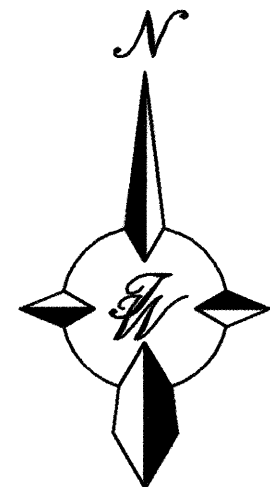


FILING INFORMATION

NOR ESTE ESTATES
BLOCKS 1 THROUGH 11
FILED AT COUNTY OF BERNELILLO
MARCH 21, 1988 - 3:17 pm
RECORDED IN VOL. C36
COUNTY FOLIO 28

A.C.S. MONUMENT "1-B20"
STANDARD A.C.S. ALUMINUM CAP
(FOUND IN PLACE)
NEW MEXICO STATE PLANE COORDINATES
(CENTRAL ZONE-N.A.D. 1927)
X= 410,237.56
Y=1,524,092.46
ELEVATION = 5474.533
GRID TO GROUND FACTOR=0.99964740
DELTA ALPHA ANGLE=-0°10'23"

RECORD DRAWING



GRAPHIC SCALE

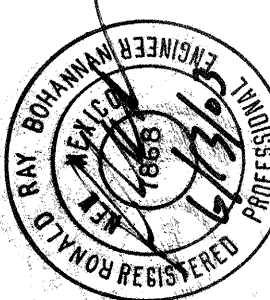


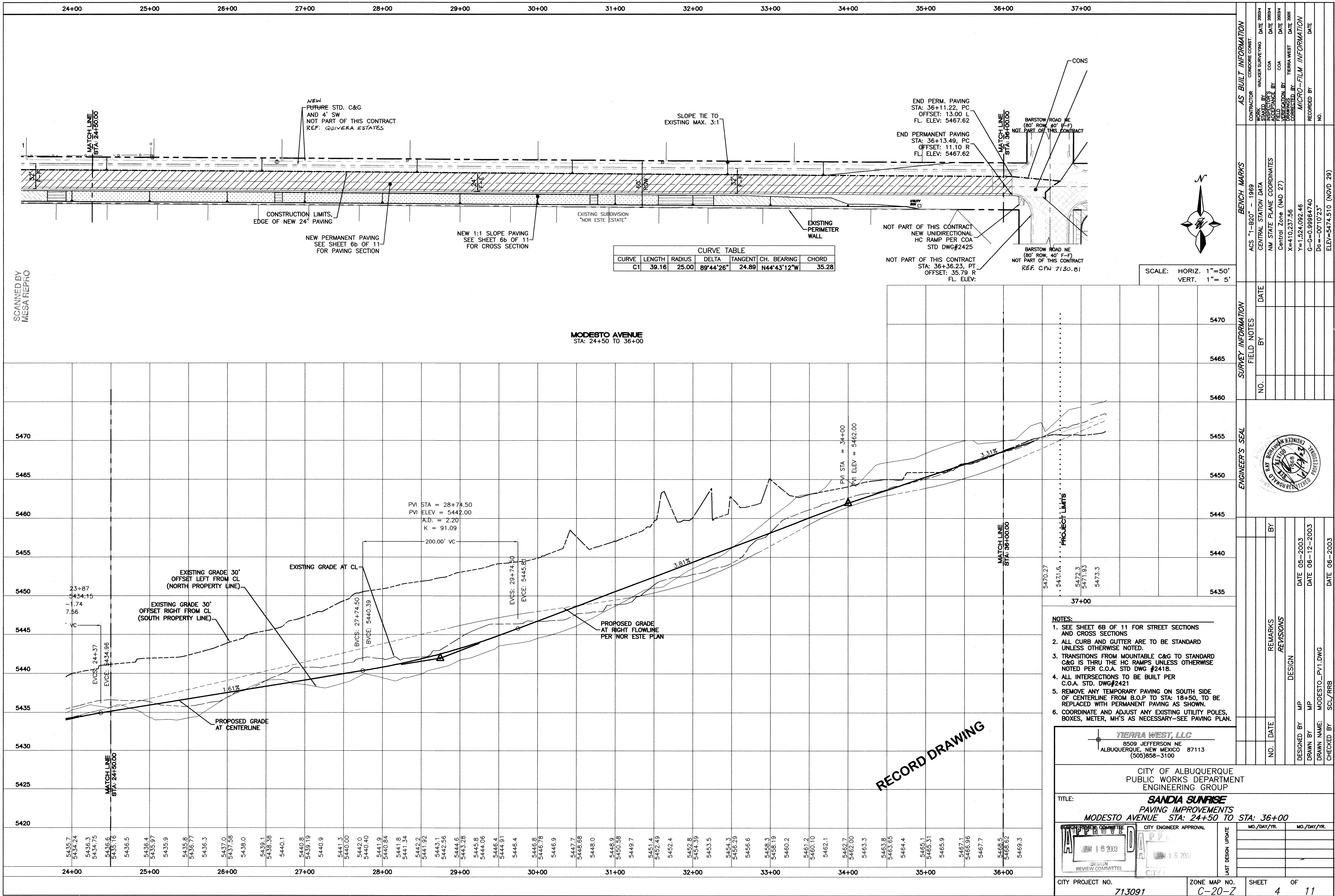
SCALE: 1"=100'

 Tierra WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100											
					No.	Date			DESIGNED BY _____	DRAWN BY _____	CHECKED BY _____
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP											
TITLE:											
SANDIA SUNRISE HORIZONTAL CONTROL PLAN MODESTO AVENUE STA: 10+80.76 TO STA: 24+50											
DESIGN REVIEW COMMITTEE			CITY ENGINEER APPROVAL					MO./DAY/YR.		MO./DAY/YR.	
APPROVE JUN 16 2003 DESIGN REVIEW COMMITTEE			APPROVE 			LAST DESIGN UPDATE					
CITY PROJECT NO. 713091						ZONE MAP NO. C-20-Z		SHEET 2		OF 11	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES					
NO.	DATE	ACS "1-920" - 1969		CONTRACTOR	CONDORC CONIST.
	BY	CENTRAL STATION DATA		WORK BY	WALKER SURVEYING DATE 2033/4
		NM STATE PLANE COORDINATES		INSPECTOR'S	DATE 2034/4
		Central Zone (NAD 27)		ACCEPTANCE BY	COA
		X=410,237.56		FIELD	COA
		Y=1,524,092.46		EDIFICATION BY	DATE 2034/4
		G-G=0.99964740		DRAWINGS	DATE 2005
		Do = -00°10'23"		CORRECTED BY	TERRA WEST
		ELEV=5474.510 (NGVD 29)		MICRO-FILM INFORMATION	
				RECORDED BY	DATE
				NO.	

ENGINEER'S SEAL

[illegible]



AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	CONDOR CONST.	WORK ORDER NO.	DATE 2003/4	ACS "1-B20" - 1969	CENTRAL STATION DATA	DATE	BY	NO.	DATE	BY	NO.				
INSPECTOR'S ACCEPTANCE BY	COA	DATE 2003/4		NM STATE PLANE COORDINATES											
VERIFICATION BY	COA	DATE 2003/4		Central Zone (NAD 27)											
DRAWINGS CORRECTED BY	TERRA WEST	DATE 2005		X=410,237.56											
MICRO-FILM INFORMATION				Y=1,524,092.46								DESIGNED BY	MP	DATE 05-2003	
				G=0.09964740								DRAWN BY	MP	DATE 06-12-2003	
				Dg = -0°10'23"								DRAWN NAME:	MODESTO_PV1.DWG		
				ELEV=5474.510 (NGVD 29)								CHECKED BY	SCL/RRB	DATE 06-2003	

TERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
SANDIA SUNRISE
PAVING IMPROVEMENTS
MODESTO AVENUE STA: 24+50 TO STA: 36+00

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

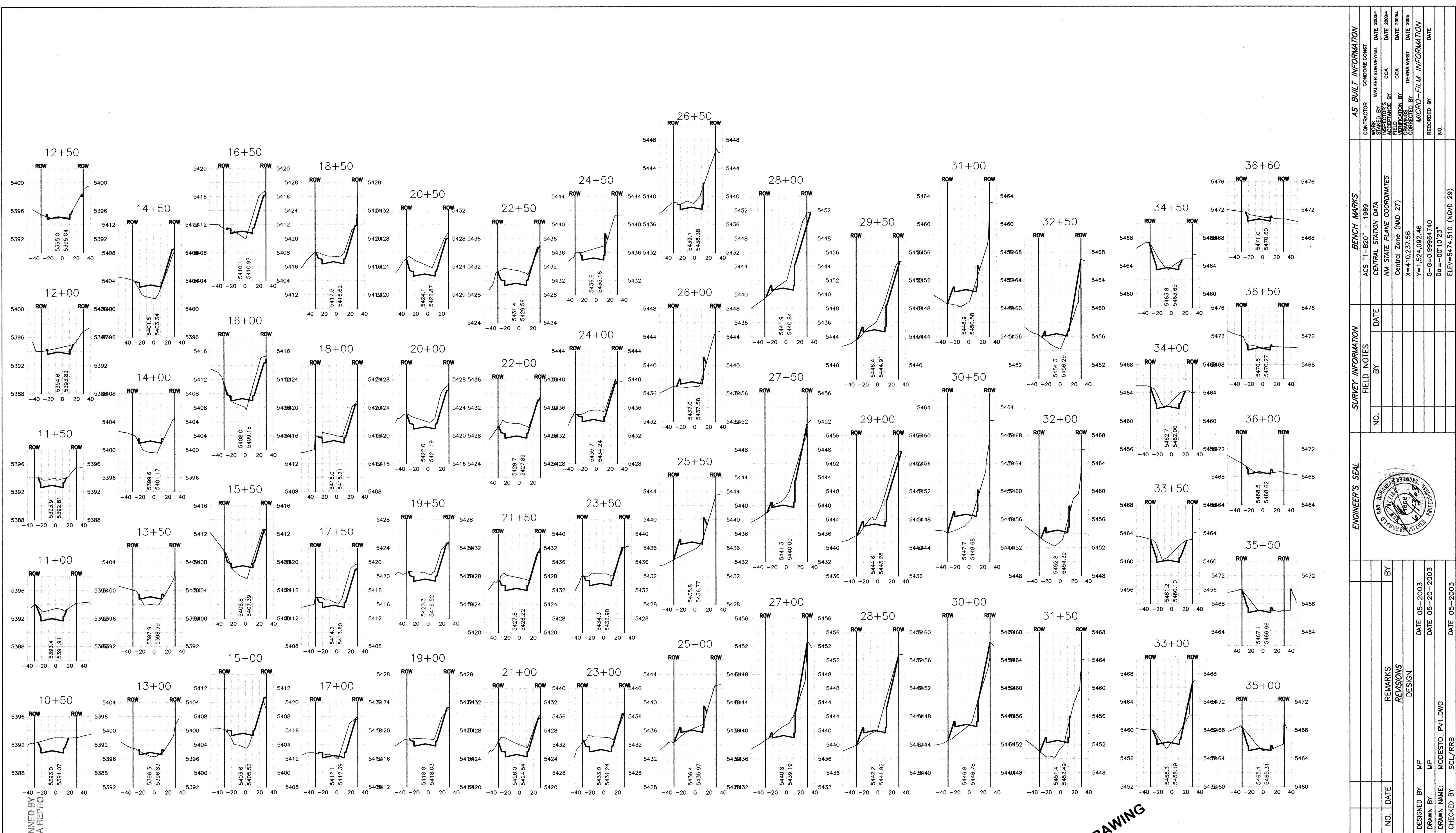
MO./DAY/YR.

MO./DAY/YR.

CITY PROJECT NO. 713091

ZONE MAP NO. C-20-Z

SHEET 4 OF 11



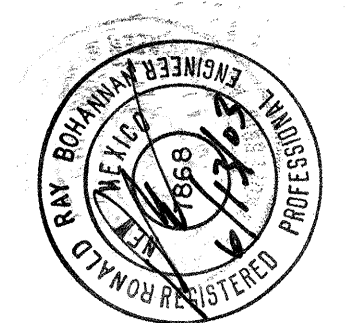
SCANNED BY
MESA REPRO

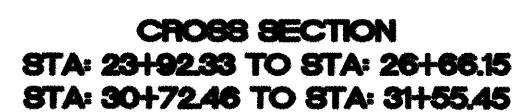
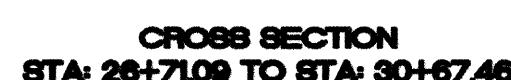
RECORD DRAWING

TERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: SANDIA SUNRISE DETAILS SHEET - CROSS SECTIONS	
DESIGN REVIEW COMMITTEE APPROVED JUN 16 2003	CITY ENGINEER APPROVAL APPROVED JUN 16 2003
CITY PROJECT NO. 713091	ZONE MAP NO. C-20-Z
DESIGNED BY MP	DRAWN BY MP
CHECKED BY SCL/RRB	DATE 05-20-2003
SHEET 6A OF 11	

AS BUILT INFORMATION			
CONTRACTOR	CONDOR CONST.	WORK	WALKER SURVEYING
STATIONED BY	DATE 2003	DATE 2003	DATE 2003
ACCEPTANCE BY	COA	COA	COA
FIELD	DATE 2003	DATE 2003	DATE 2003
REVISIONS	DATE 2003	DATE 2003	DATE 2003
MICRO-FILM INFORMATION			
RECORDED BY	DATE	NO.	DATE
BENCH MARKS			
ACS "1-B20" - 1969	DATE	NO.	DATE
STATE STATION DATA	DATE	NO.	DATE
NM STATE PLANE COORDINATES	DATE	NO.	DATE
Central Zone (NAD 27)	DATE	NO.	DATE
X=10,237.56	DATE	NO.	DATE
Y=1,524,092.46	DATE	NO.	DATE
G=0.99964740	DATE	NO.	DATE
Dg=-0010'23"	DATE	NO.	DATE
ELEV=5474.510 (NGVD 29)	DATE	NO.	DATE





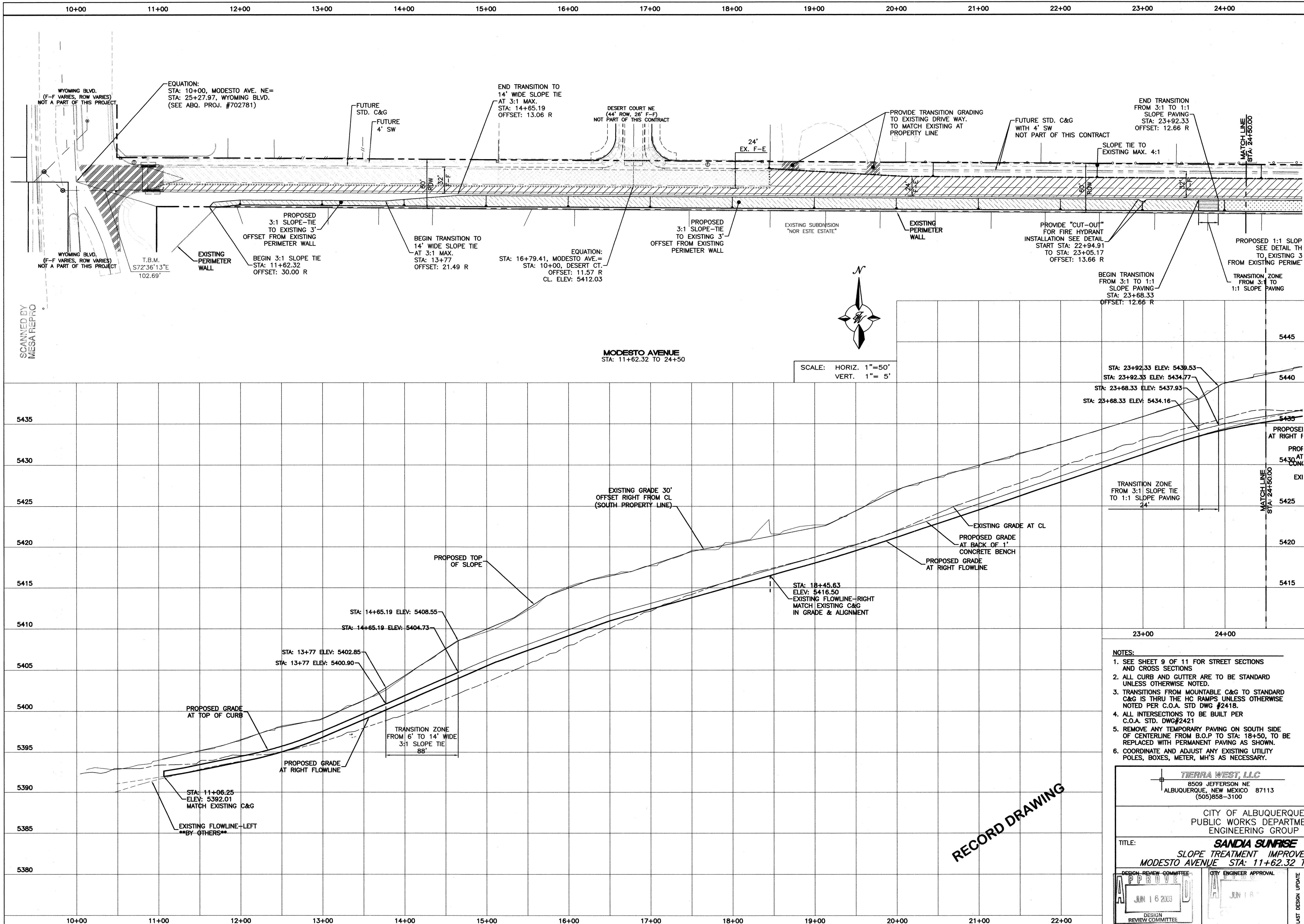
RECORD DRAWING

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP															
TITLE: SANDIA SUNRISE DETAILS SHEET – PAVING & MISC. SECTIONS															
DESIGN REVIEW COMMITTEE APPROVED JUN 16 2003 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED JUN 16 2003 CITY ENGINEER	LAST DESIGN UPDATE	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; padding: 5px;">MO./DAY/YR.</th> <th style="width: 50%; padding: 5px;">MO./DAY/YR.</th> </tr> </thead> <tbody> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> </tbody> </table>	MO./DAY/YR.	MO./DAY/YR.										
MO./DAY/YR.	MO./DAY/YR.														
CITY PROJECT NO. 71.30191	ZONE MAP NO. C-20-Z	SHEET 6B OF 11													

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION		
NO.	FIELD NOTES		CENTRAL STATION DATA	NM STATE PLANE COORDINATES	CONTRACTOR	WORK STARTED BY	CONDORCE CONST.
		BY					
			ACS "1+820" = 1969			WALKER SURVEYING	DATE 2003/4
						ACCEPTANCE BY	DATE 2003/4
			Central Zone (NAD 27)			COA	DATE 2003/4
			X=410,237.56			REVISION BY	DATE 2005
			Y=1,524,092.46			TERRA WEST	DATE 2005
						CORRECTED BY	
			G-G=0.99964740			<i>MICRO-FILM INFORMATION</i>	
			Dd=-00°10'23"			RECORDED BY	DATE
			ELEV=5474.510 (NGVD 29)			NO.	

[illegible]



AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	CONDORE CONST.	WORK ORDER NO.	20034	DATE	1998	DATE	1998	NO.	DATE	DATE	DATE	DATE	DATE	DATE	DATE
INSPECTOR	WALKER SURVEYING	INSPECTOR'S NO.	20034	DATE	2004	DATE	2004	NO.	DATE	DATE	DATE	DATE	DATE	DATE	DATE
ACCEPTANCE BY	COA	ACCEPTANCE BY	COA	DATE	2004	DATE	2004	NO.	DATE	DATE	DATE	DATE	DATE	DATE	DATE
VERIFICATION BY	TERRA WEST	VERIFICATION BY	TERRA WEST	DATE	2006	DATE	2006	NO.	DATE	DATE	DATE	DATE	DATE	DATE	DATE
DATE		DATE		DATE		DATE		NO.	DATE	DATE	DATE	DATE	DATE	DATE	DATE
MICRO-FILM INFORMATION				MICRO-FILM INFORMATION				MICRO-FILM INFORMATION				MICRO-FILM INFORMATION			
RECORDED BY		RECORDED BY		RECORDED BY		RECORDED BY		NO.	DATE	DATE	DATE	NO.	DATE	DATE	DATE

- NOTES:
- SEE SHEET 9 OF 11 FOR STREET SECTIONS AND CROSS SECTIONS
 - ALL CURB AND GUTTER ARE TO BE STANDARD UNLESS OTHERWISE NOTED.
 - TRANSITIONS FROM MOUNTABLE C&G TO STANDARD C&G IS THRU THE HC RAMPS UNLESS OTHERWISE NOTED PER C.O.A. STD DWG #2418.
 - ALL INTERSECTIONS TO BE BUILT PER C.O.A. STD. DWG#2421
 - REMOVE ANY TEMPORARY PAVING ON SOUTH SIDE OF CENTERLINE FROM B.O.P TO STA: 18+50. TO BE REPLACED WITH PERMANENT PAVING AS SHOWN.
 - COORDINATE AND ADJUST ANY EXISTING UTILITY POLES, BOXES, METER, MH'S AS NECESSARY.

TERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

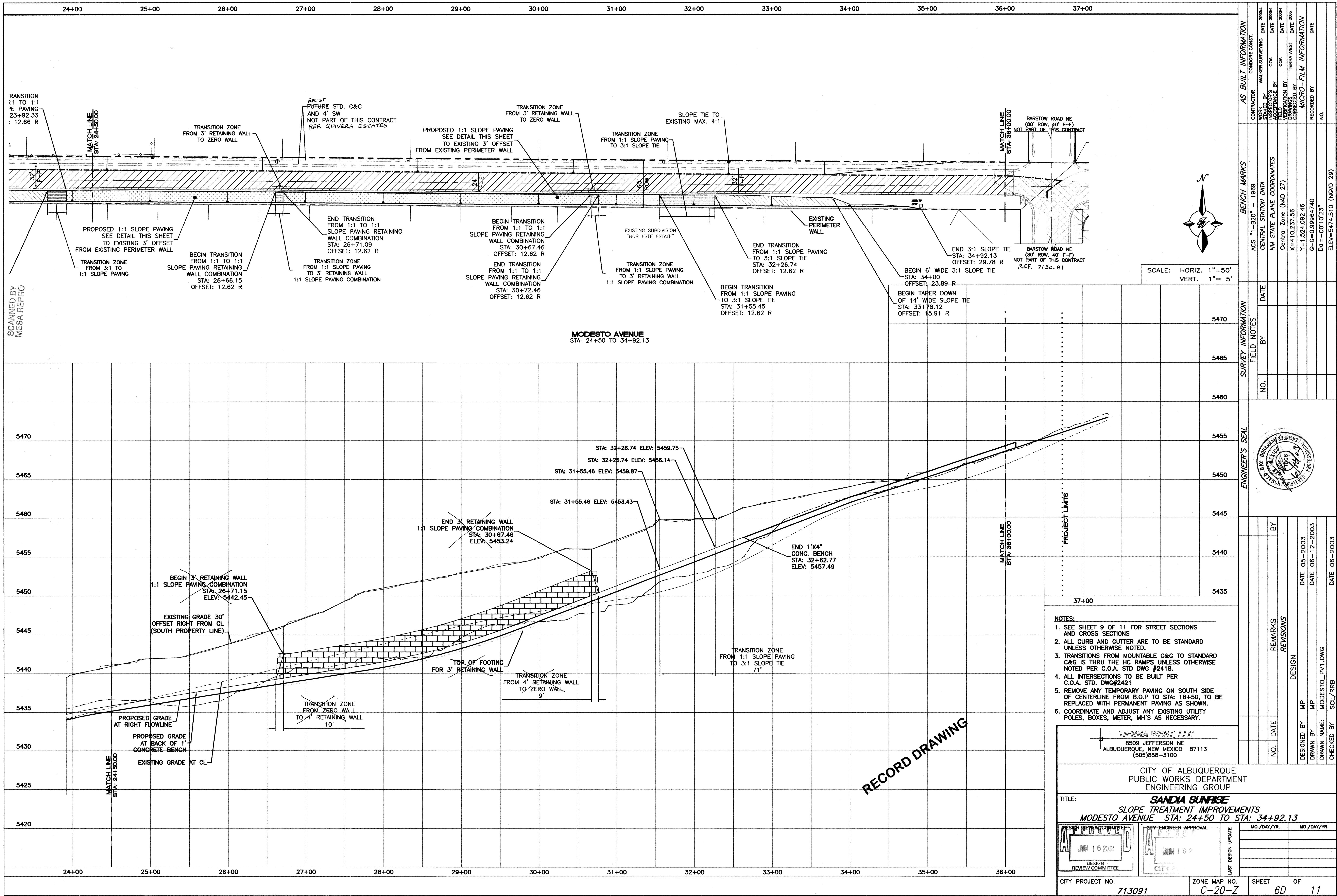
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

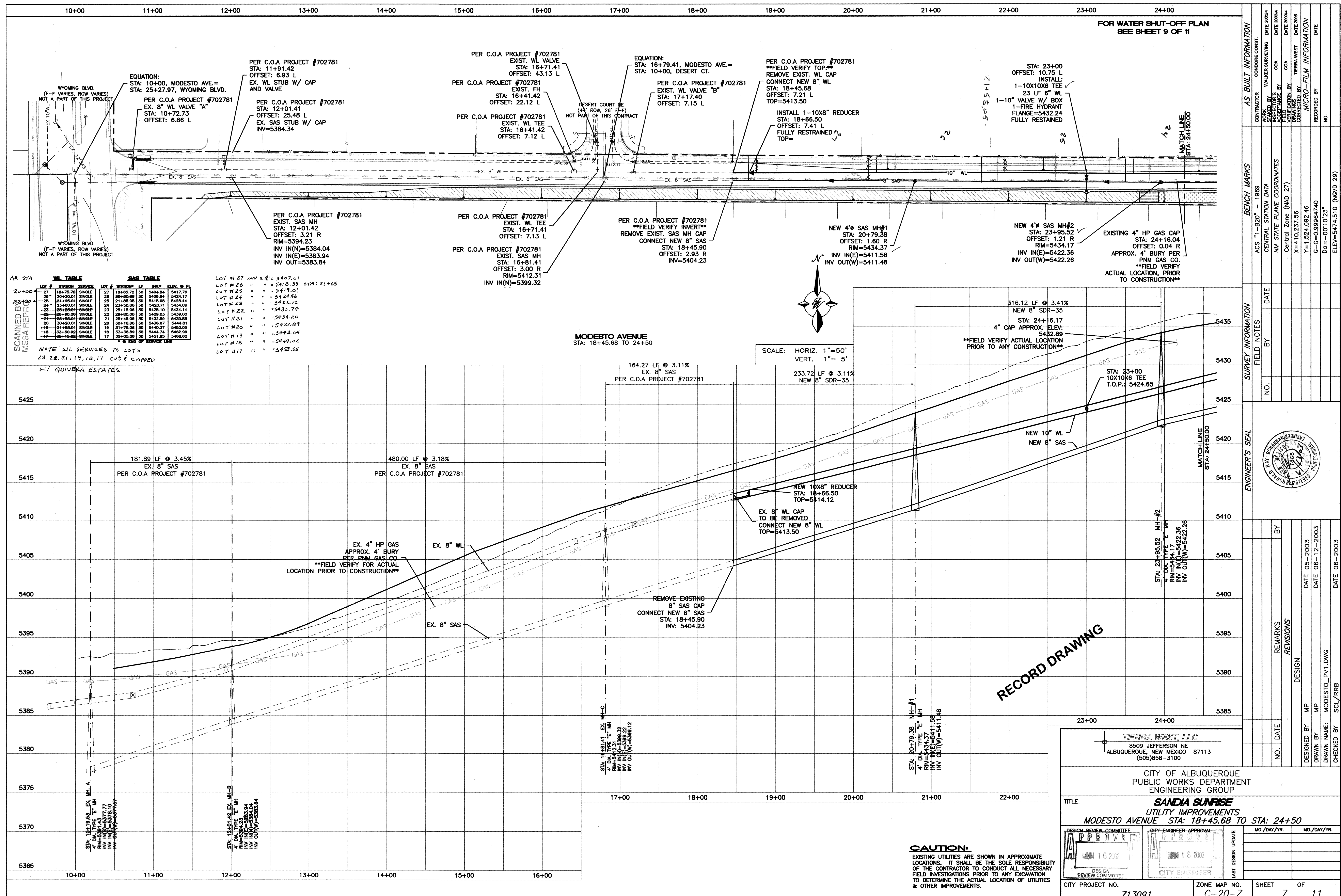
TITLE:
SANDIA SUNRISE
SLOPE TREATMENT IMPROVEMENTS
MODESTO AVENUE STA: 11+62.32 TO STA: 24+50

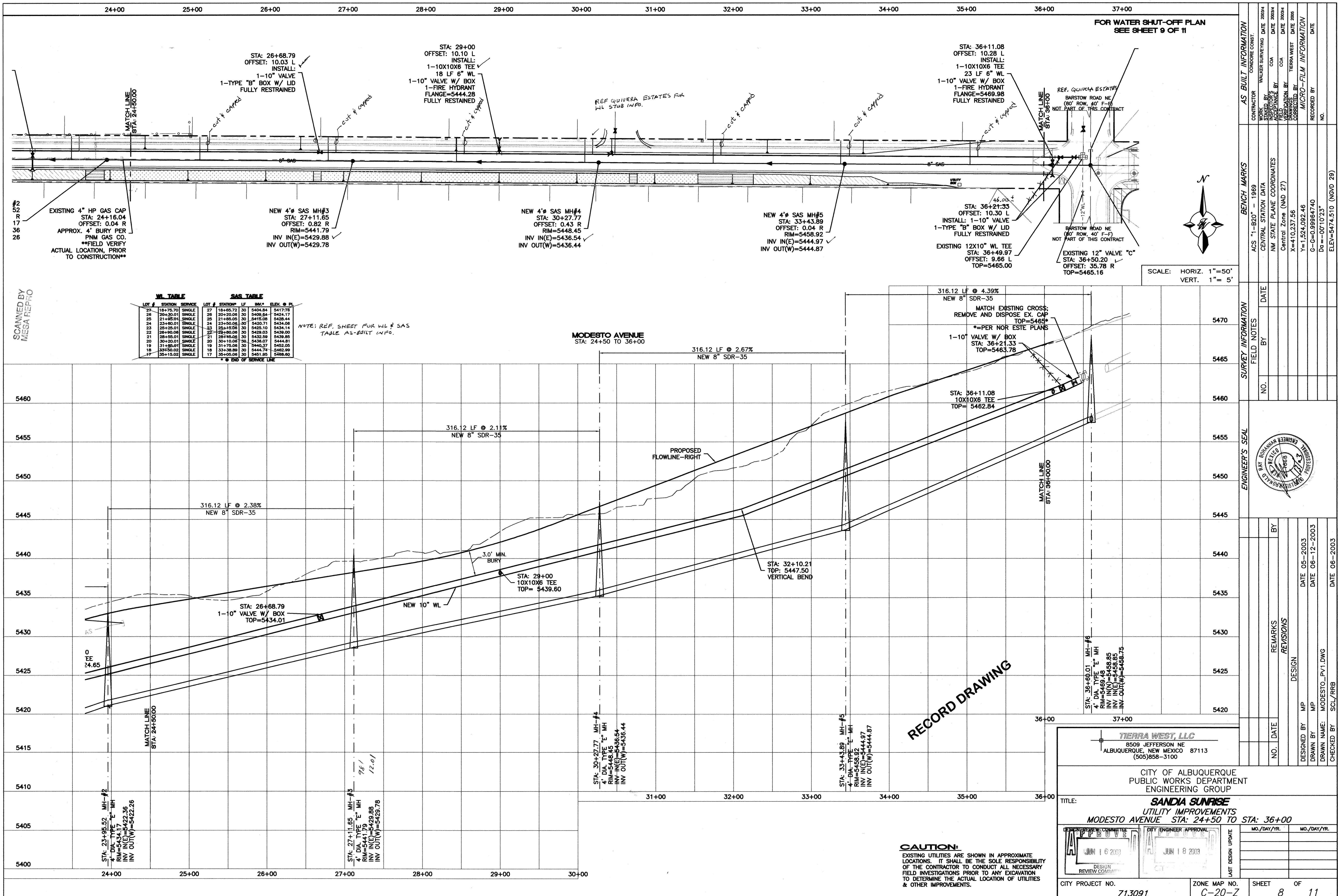
DESIGN REVIEW COMMITTEE
APPROVE
JUN 16 2003
DESIGN REVIEW COMMITTEE

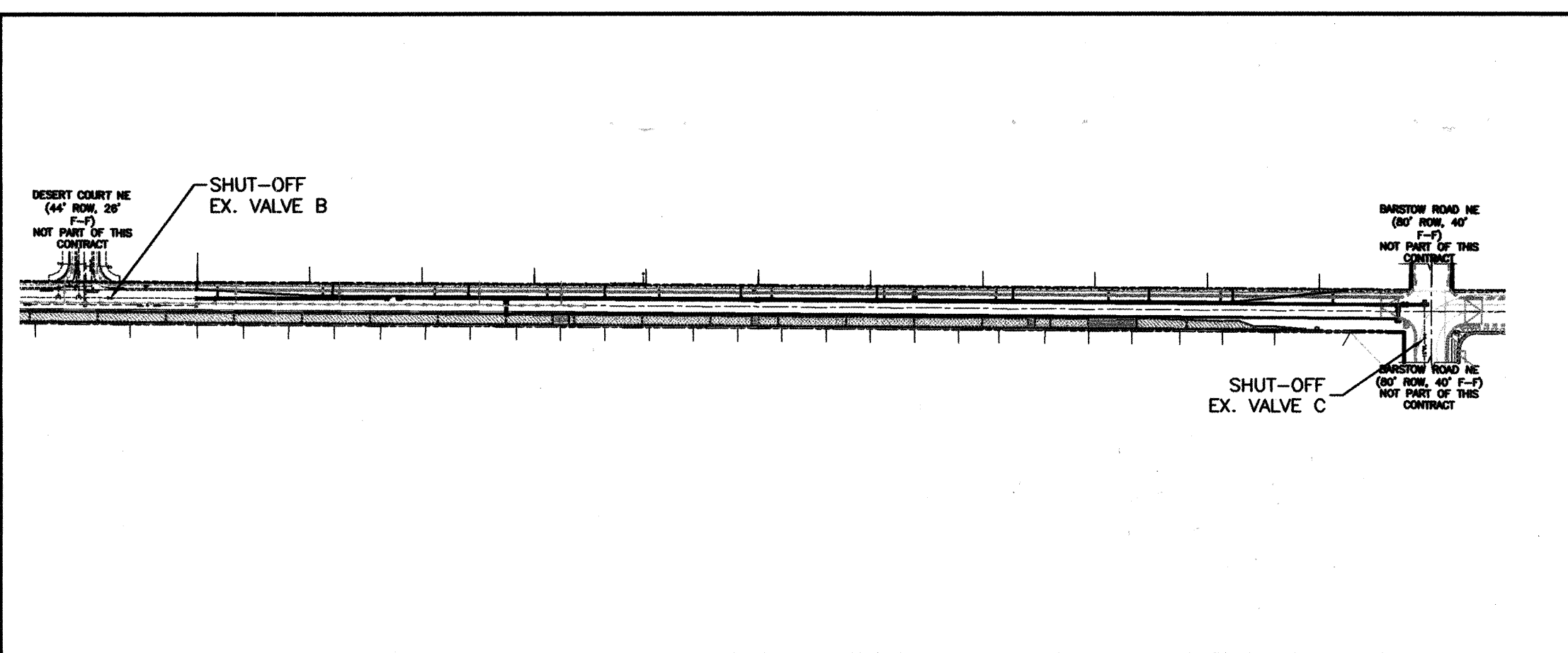
CITY ENGINEER APPROVAL
JUN 18 2003
CITY ENGINEER APPROVAL

LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.



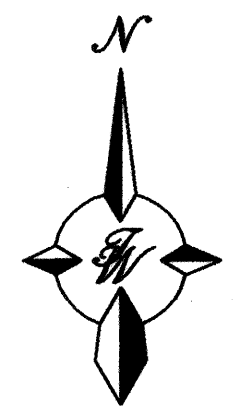




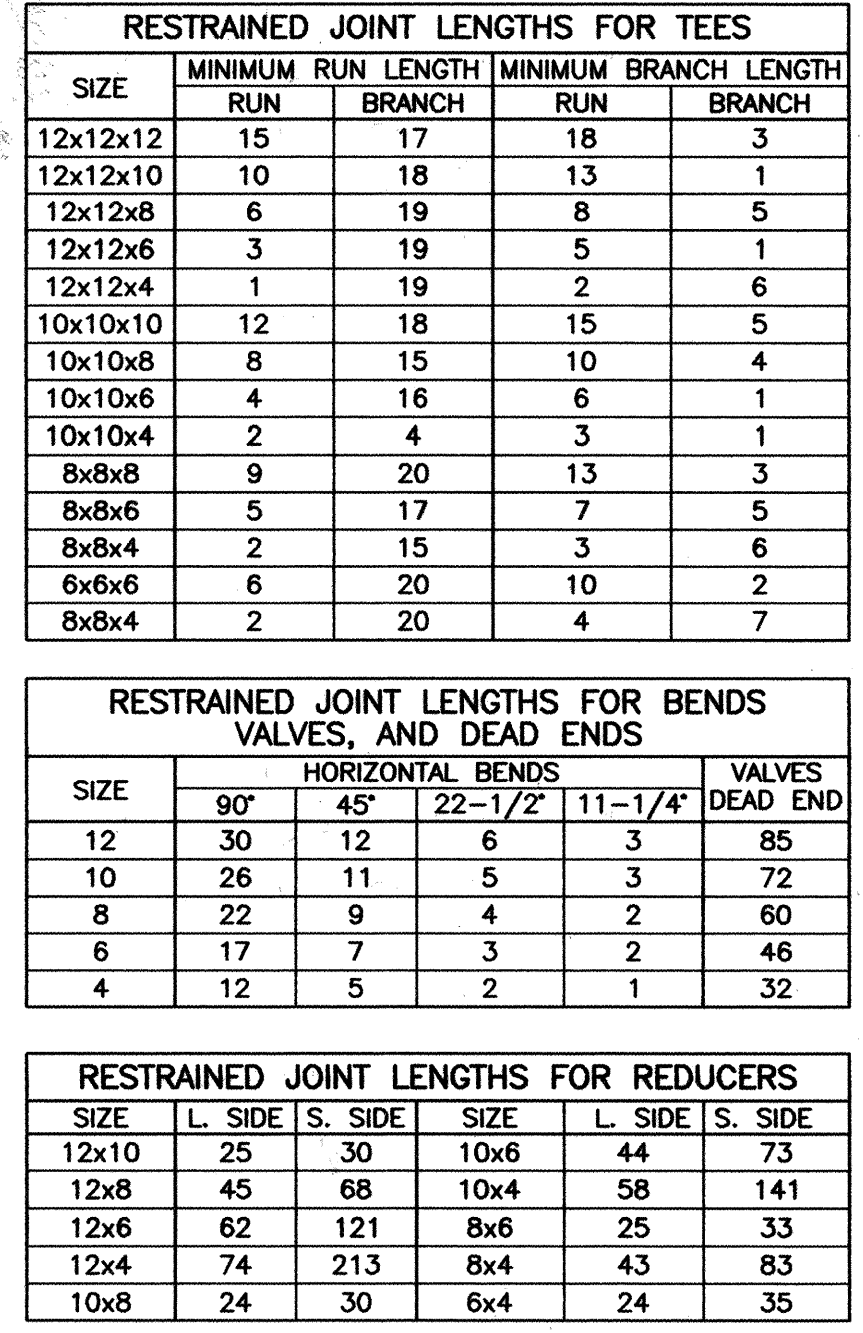


NOTES:

1. ONLY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
2. NOTIFY CITY OF ALBUQUERQUE, WATER SYSTEMS DIVISION (PHONE 857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF NEEDING EXECUTION OF THE WATER SHUT OFF PLAN
3. APPROXIMATE SHUT OFF TIME WILL BE 24 HOURS.
4. SHUTOFF THE VALVES INDICATED IN THE ABOVE PLAN



SCALE: HORIZ. 1"=50'
VERT. 1"= 5'



RECORD DRAWING

CAUTION:
EXISTING UTILITIES ARE SHOWN IN APPROXIMATE LOCATIONS. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATION TO DETERMINE THE ACTUAL LOCATION OF UTILITIES & OTHER IMPROVEMENTS.

A circular professional engineer seal for Raymond A. Romano, State of New York. The seal contains the text: "RAYMOND A. ROMANO", "STATE OF NEW YORK", "PROFESSIONAL ENGINEER", "No. 13943", and "Exp. 12/31/98". The seal is stamped over the signature line of the form.

[illegible]

TIERRA WEST, LLC
 8509 JEFFERSON NE
 ALBUQUERQUE, NEW MEXICO 87113
 (505)858-3100

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE:	<i>SANDIA SURFSE</i> <i>UTILITY IMPROVEMENTS</i> <i>MODESTO AVENUE STA: 36+60 TO STA: 43+27.01 (FUTURE)</i>

DESIGN REVIEW COMMITTEE APPROVE JUN 16 2003 DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL APPROVE JUN 18 2003 CITY ENGINEER		LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO.		ZONE MAP NO.		SHEET	OF	
71-3091		C-20-7		9	11	

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 ACCESSSES. 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 ACCESSSES. 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. 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.

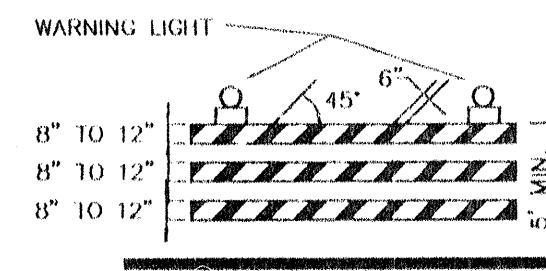
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

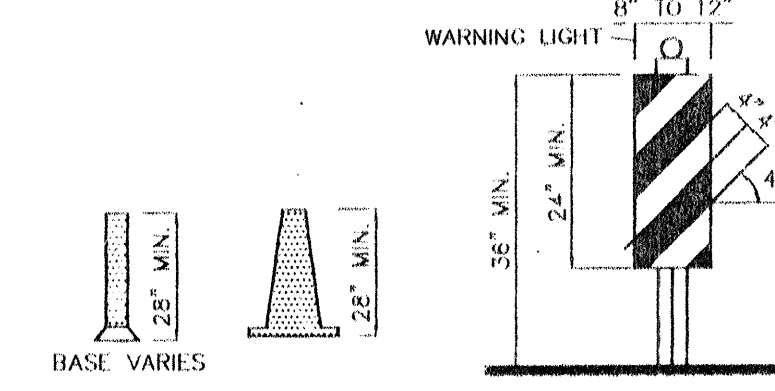
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHILE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

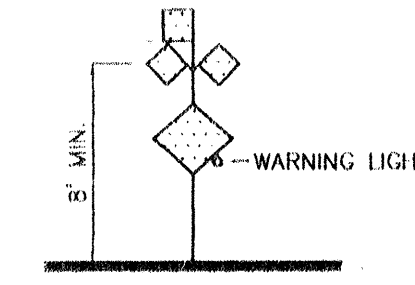
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



TYPE III BARRICADE



VERTICAL PANEL



HIGH LEVEL WARNING DEVICE

CONES

BASE VARIES

28' MIN.

28' MIN.

35' MIN.

45°

8' to 12'

8' to 12'

8' to 12'

8' to 12'

8' to 12'

8' to 12'

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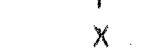
LEGEND



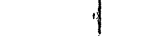
WORK AREA



BARRICADE - TYPE I, TYPE II, OR BARKEL



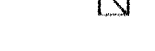
VERTICAL PANEL



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

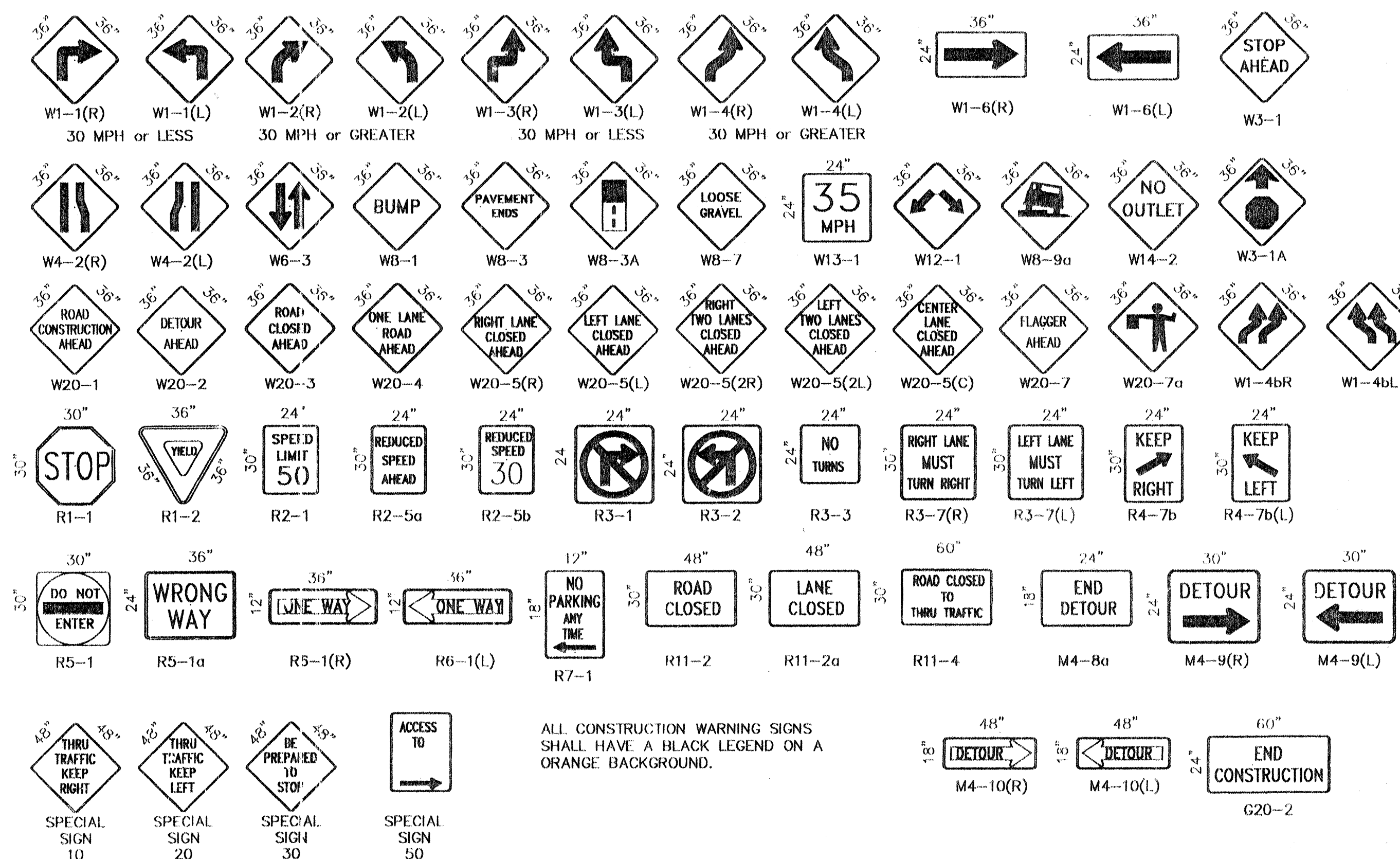
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERCING TAPER	1 MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	L = WS ² / 60
40 MPH OR LESS	L = 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

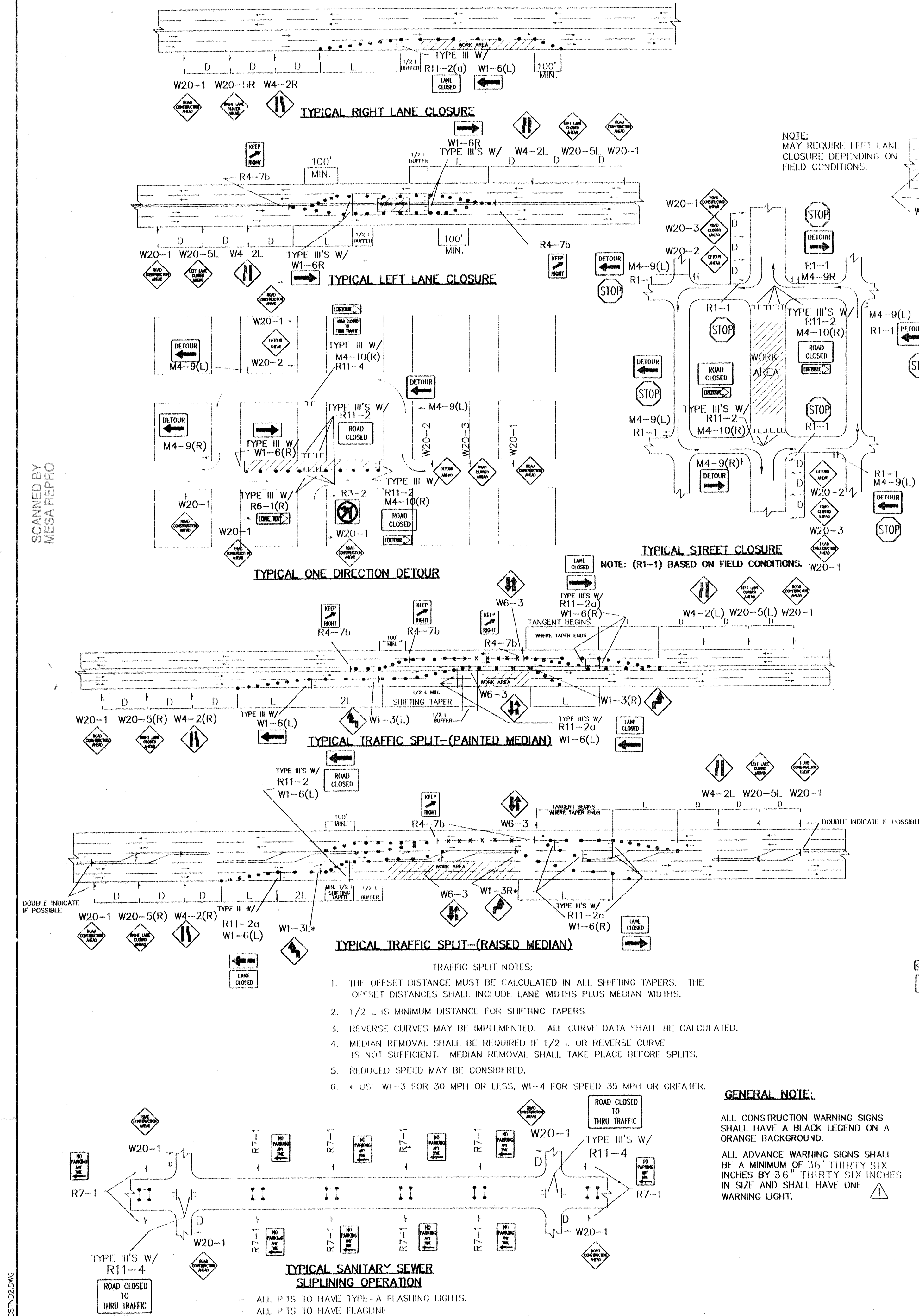
SIGN FACE DETAILS



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

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
CONTRACTOR	DATE	NO.	FIELD NOTES	DATE	NO.	DATE	DATE	DATE	DATE
WORK BY	DATE	NO.	DATE	DATE	NO.	DATE	DATE	DATE	DATE
REVISIONS	DATE	NO.	DATE	DATE	NO.	DATE	DATE	DATE	DATE
DESIGNED BY	DATE	NO.	DATE	DATE	NO.	DATE	DATE	DATE	DATE
DRAWN BY	DATE	NO.	DATE	DATE	NO.	DATE	DATE	DATE	DATE
CHECKED BY	DATE	NO.	DATE	DATE	NO.	DATE	DATE	DATE	DATE

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
COASTD	
PROJECT NO.	MAP NO.
SHEET 10 OF 11	

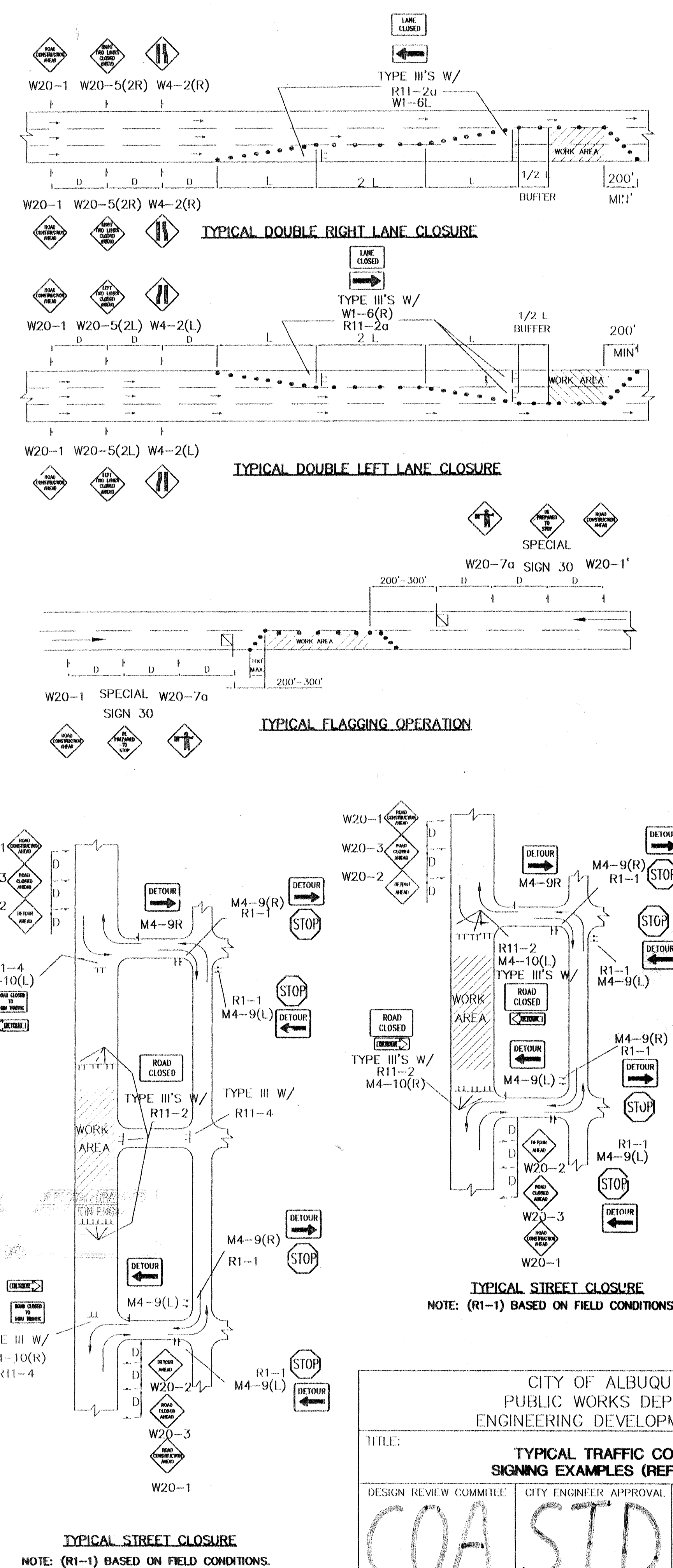
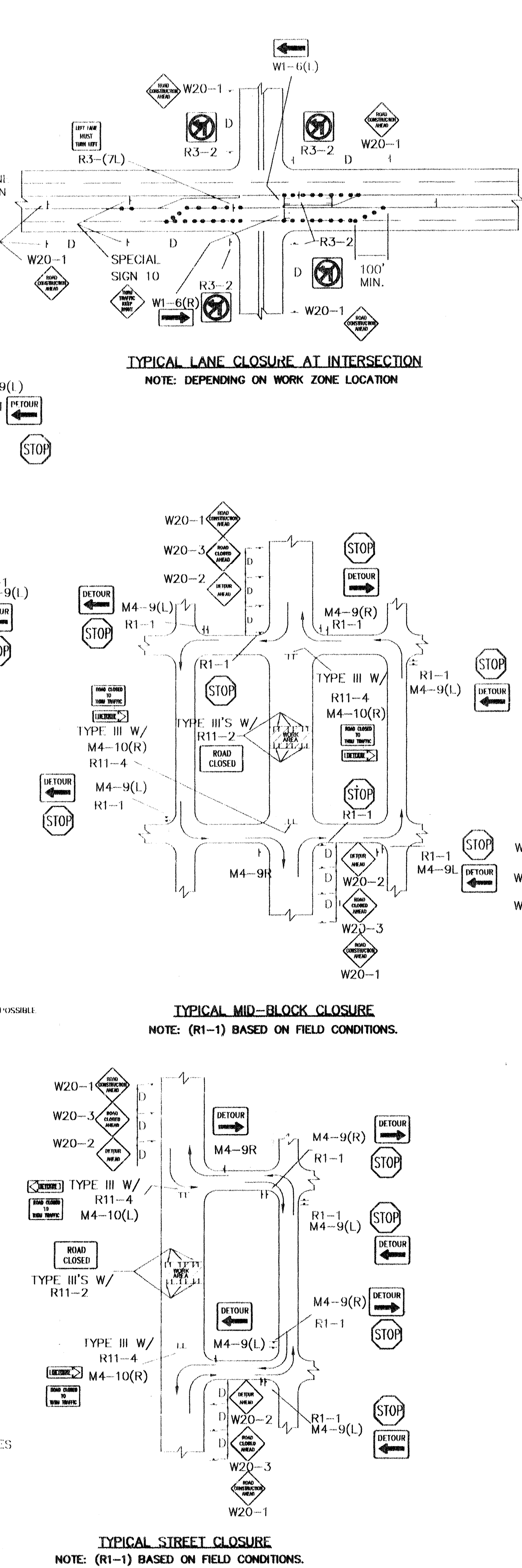


- TRAFFIC SPLIT NOTES:
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
 2. 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
 3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
 4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
 5. REDUCED SPEED MAY BE CONSIDERED.
 6. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.

GENERAL NOTE:

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

ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. MUT.C.D.)**

DESIGN REVIEW COMMITTEE: **COA STD** CITY ENGINEER APPROVAL: **COA STD**

PROJECT NO. MAP NO. SHEET **11** OF **11**