

# CONSTRUCTION PLANS

FOR

## UPTOWN PLAZA

### LANDSCAPING IMPROVEMENTS

CITY OF ALBUQUERQUE  
NEW MEXICO  
JUNE 2003

#### INDEX TO DRAWINGS

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2. LANDSCAPE PLAN
3. TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES
4. SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

#### UTILITY CONTACT INFORMATION

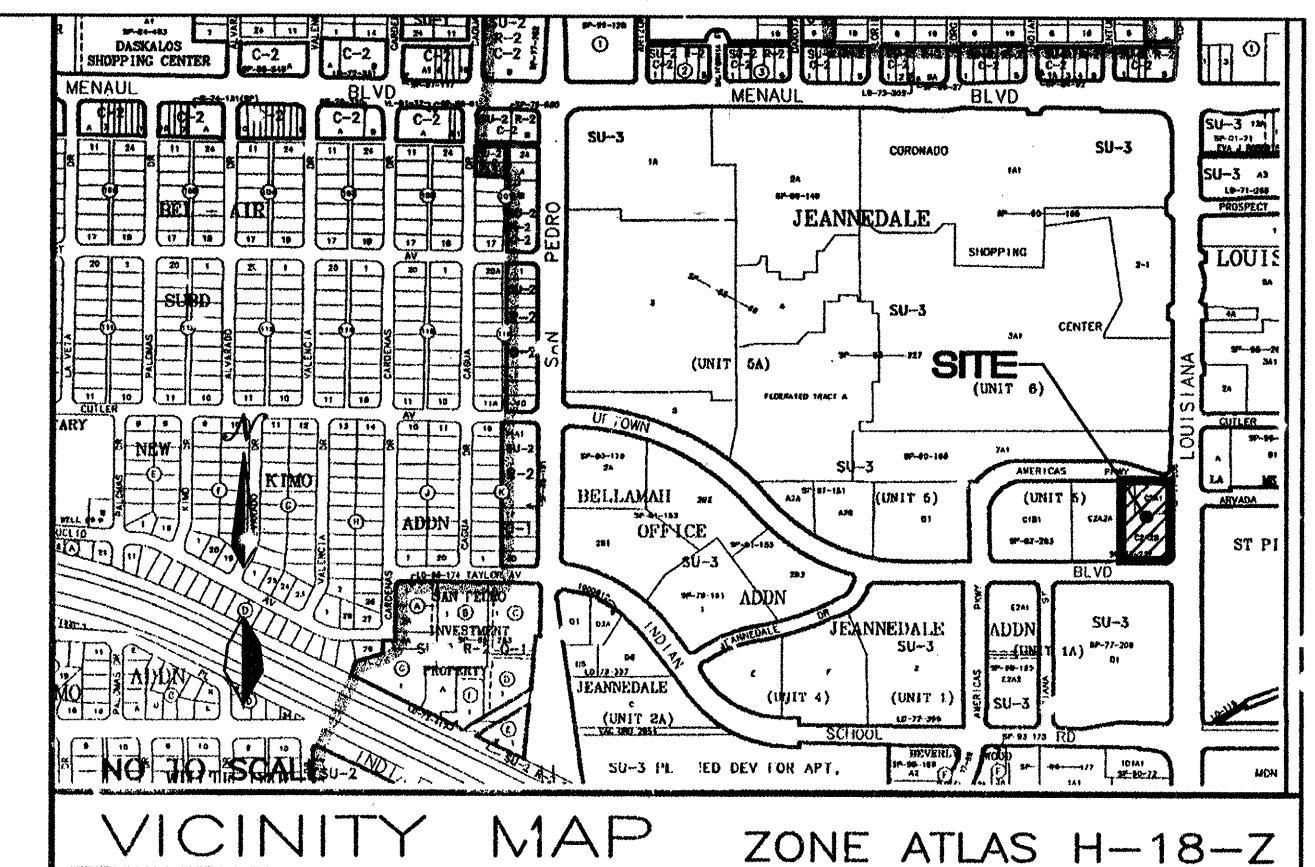
RITA ERICKSON-COMCAST  
761-6235  
RITA\_ERICKSON@CABLE.COMCAST.COM

ELISABETH GABEL-PNM ELECTRIC  
241-7745  
EGABEL@PNM.COM

ROBERT GARCIA-PNM GAS  
241-3334  
RGARCIA@PNM.COM

DAVID MULLEN-QWEST  
245-8706  
DMULLEN@QWEST.COM

GREG OLSON-PRINCIPAL ENGINEER, UTILITY DEVELOPMENT-COA  
768-2719  
GOLSON@CABQ.GOV



#### NOTICE TO CONTRACTORS

1. ALL WORK DETAIL'D 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 ALTFRED 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 DESIGNERS 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.

- 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.
  - ☐ IF CURB IS DEEPENED 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.

DRB # 1002135

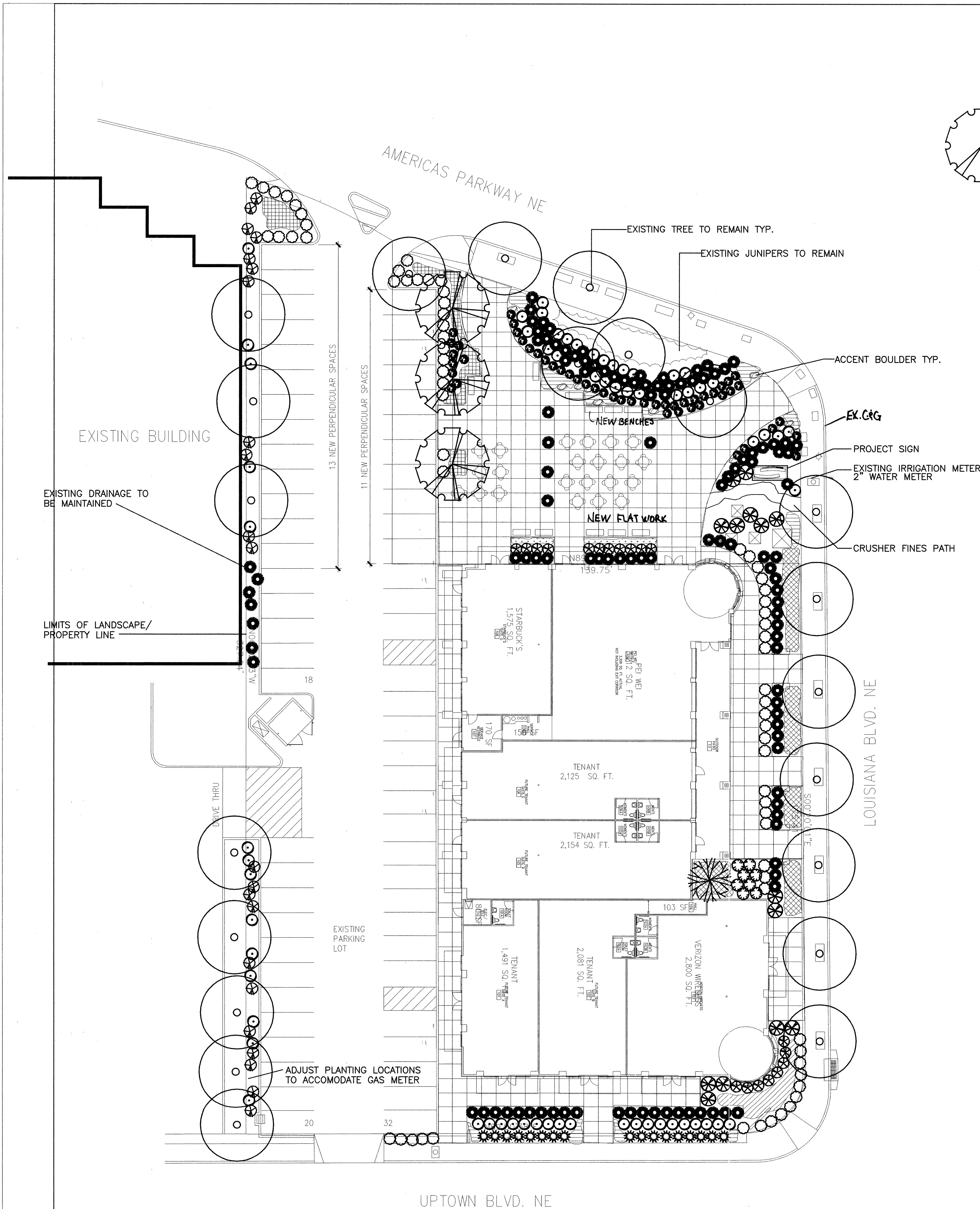
TIERRA WEST, LLC  
8509 JEFFERSON NE  
ALBUQUERQUE, NEW MEXICO 87113  
(505)858-3100

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC Chairman				6-16-03	
		Transportation				6-11-03	
		Water/Wastewater				6-11-03	
		Hydrology				6-11-03	
		C.I.P.				6-11-03	
		Constr. Mngmt.				6-11-03	
		Constr. Coord.				6-11-03	
		CITY PROJECT NO.		713281		SHEET	
						1 OF 4	

1/220042/TITLE.DWG/BDG/06-09-03

Elevations are in NGVD 29.





# PLANT LEGEND

SYMBOL	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	WATER USE
	3	FRAXINUS	RAYWOOD ASH	2 1/2" CAL H	
	1	ACER	JAPANESE MAPLE	2" CAL	H
	69	ROSMARINUS PROSTRATUS	CREeping ROSEMARY	5 GAL	M
	17	JUNIPERUS SABINA	BUFFALO JUNIPER		M
	19	RAPHIOLEPIS INDICA	INDIA HAWTHORN		M
	8	MAHONIA AQUIFOLIUM COMPACTA	COMPACT MAHONIA		L
	14	BUDDLEIA DAVIDII	BUTTERFLY BUSH		M
	22	CARYOPTERIS X CLADONENSIS	BLUE MIST		M
	63	ROSMARINUS OFFICINALIS	ROSEMARY		M
	118	MISCANTHUS SINENSIS	MAIDEN GRASS		M
	75	MUHLENBERGIA	REGAL MIST	1 GAL	M
	50	LAVANDULA	LAVENDER	1 GAL	M
	150	FESTUCA	BLUE FESCUE	1 GAL	M
	600	CERATOSTIGMA	DWARF PLUMBAGO	4" POT	M
	150	ACHILLEA	MOONSHINE YARROW	1 GAL	M
	100	SALVIA	SALVIA	1 GAL	M

# SITE DATA

GROSS LOT AREA	43,146 SF
LESS BUILDING	15,283 SF
NET LOT AREA	27,863 SF
REQUIRED LANDSCAPE	4,179 SF
15% OF NET LOT AREA	
PROPOSED LANDSCAPE	9,385 SF
PERCENT OF NET LOT AREA	33%

YEARLY WATER USE CALCULATIONS  
APPROX. 220 WATERING DAYS/YEAR  
1825-1 GPH EMITTERS X 220 /1 HOUR RUN TIMES = 401,500 GALLONS PER YEAR

# NOTE

MAINTENANCE OF LANDSCAPE PROVIDED PER ~~STREETSCAPE~~  
~~AGREEMENT-REVOCABLE PERMIT~~

PLANTINGS TO BE WATERED BY AUTO. DRIP  
IRRIGATION SYSTEM

WATER MANAGEMENT IS THE SOLE RESPONSIBILITY  
OF THE PROPERTY OWNER PER ~~STREETSCAPE-AGREEMENT-~~  
~~REVOCABLE PERMIT~~

THIS PLAN IS TO COMPLY WITH C.O.A. LANDSCAPE  
AND WATER WASTE ORDINANCE  
PLANTING RESTRICTIONS APPROACH

IT IS THE INTENT OF THIS PLAN TO PROVIDE MIN.  
75% LIVE GROUNDCOVER OF LANDSCAPE AREAS  
AT MATURITY

LANDSCAPE AREAS TO BE MULCHED WITH SANTA FE BROWN  
CRUSHER FINES AT 2"-3" DEPTH (NO FILTER FABRIC)

APPROVAL OF THE LANDSCAPE PLAN DOES NOT CONSTITUTE  
OR IMPLY COMPLIANCE WITH, OR EXEMPTION FROM, THE  
C.O.A. LANDSCAPE AND WATER WASTE ORDINANCE

TREES ARE NOT TO BE PLACED IN PUBLIC UTILITY EASEMENTS

# AGREEMENT NOTE

IRRIGATION WITHIN C.O.A. PARK SITE TO CONFORM TO C.O.A.  
IRRIGATION STANDARD SPECS AND INSTALLATION TO BE  
COORDINATED WITH PARK DEPT.

REMOVE/UNHOOK THE THREE LATERAL LINES/PIPES THAT HOOK  
UP TO THE THREE AUTOMATIC VALVES THAT WATER THE BERMS.  
THIS WILL BE IN THE NEW PATIO AREA OF THE BUILDING/RESTAURANT  
AND HAVE THE LATERAL LINES RECONNECTED TO THE IRRIGATION SYSTEM  
THAT WATERS THE LANDSCAPING AROUND THE BUILDING. THIS WAY  
THE NEW OWNER/S HAVE TOTAL CONTROL OF THE WATERING PROGRAMMING  
FOR THE NEW AREA OF RESPONSIBILITY. WATER BILLING FOR  
THIS AREA WILL BE THE RESPONSIBILITY OF THE OWNERS OF THE BUILDING.

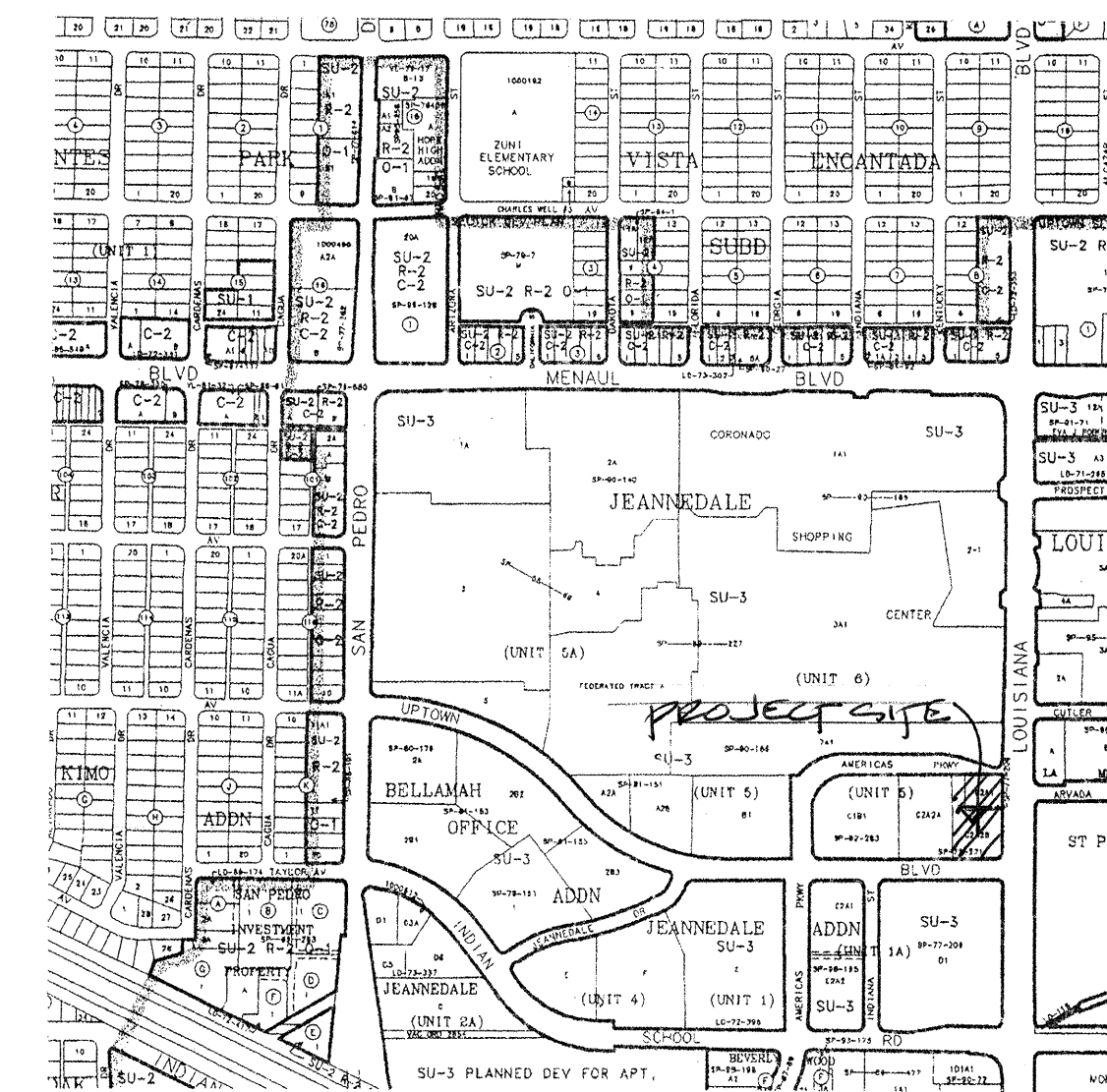
PARK MANAGEMENT WILL KEEP IN PLACE ITS CONTROLLER, RP AND VALVE  
AS TO CONTINUE WATERING/MAINTENANCE OF THE TREES ASSOCIATED WITH THIS VALVE

IF CHANGES ARE TO BE MADE TO THE THREE BERM AREAS, ALL CITY OF  
ALBUQUERQUE ORDINANCES PERTAINING TO LANDSCAPE, PLANT MATERIAL  
AND WATER WASTE ISSUES MUST BE ADHERED TO.

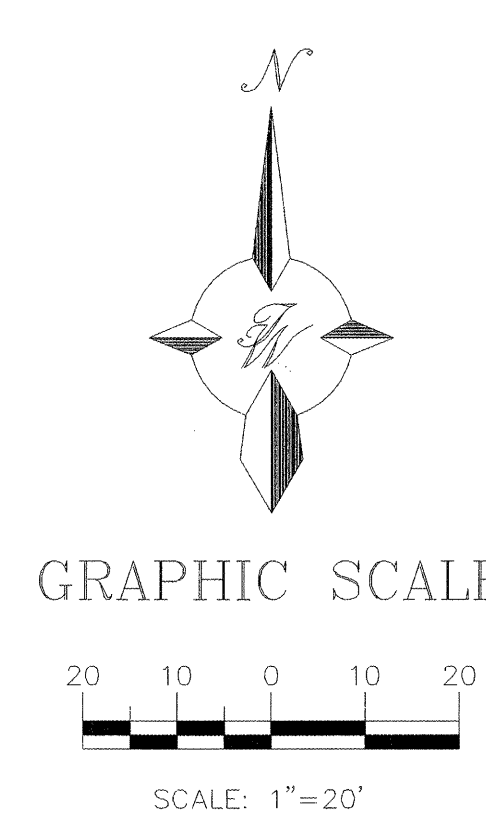
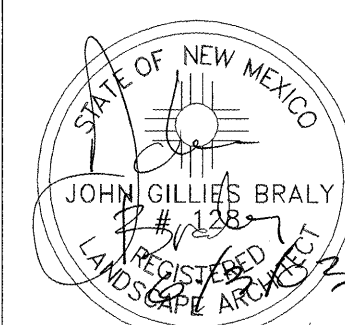
PARK MANAGEMENT MUST HAVE ACCESS TO THEIR CONTROLLER, RP AND  
VALVE AT ALL TIMES.

DURING THE LEASE AGREEMENT, THE OWNER/S OF THE PROPERTY WILL BE TOTALLY  
RESPONSIBLE FOR ALL MAINTENANCE ISSUES IN THE BERM AREA. ALL PLANT MATERIAL  
MUST REMAIN ALIVE AND HEALTHY AT ALL TIMES DURING THIS AGREEMENT

# VICINITY MAP H-18-Z



AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
WORK BY	DATE	BY	DATE	REMARKS	DATE	DESIGNED BY	DATE
INSPECTOR'S	DATE	REVISIONS	DATE	DESIGN	DATE	DRAWN BY	DATE
ACCEPTANCE BY	DATE	DESIGN	DATE	LANDSCAPE	DATE	CHECKED BY	DATE
VERIFICATION BY	DATE						
DRAWINGS	DATE						
COMPLETED BY	DATE						
MICRO-FILM INFORMATION	DATE						
RECORDED BY	DATE						
NO.							



TIERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505) 858-3100	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: UPTOWN PARK PLAZA LANDSCAPE PLAN	
DESIGNED BY: JC	DATE: 5-03
DRAWN BY: JC	DATE: 5-03
CHECKED BY: JB	DATE: 5-03
CITY PROJECT NO. 713281	ZONE MAP NO. H-18-Z
SHEET 2	OF 4



## CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- 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.
- 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.
- 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.
- CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24-HOUR PER DAY BASIS UNTIL COMPLETED.
- 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.
- 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.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- 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.
- 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.
- 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.
- ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

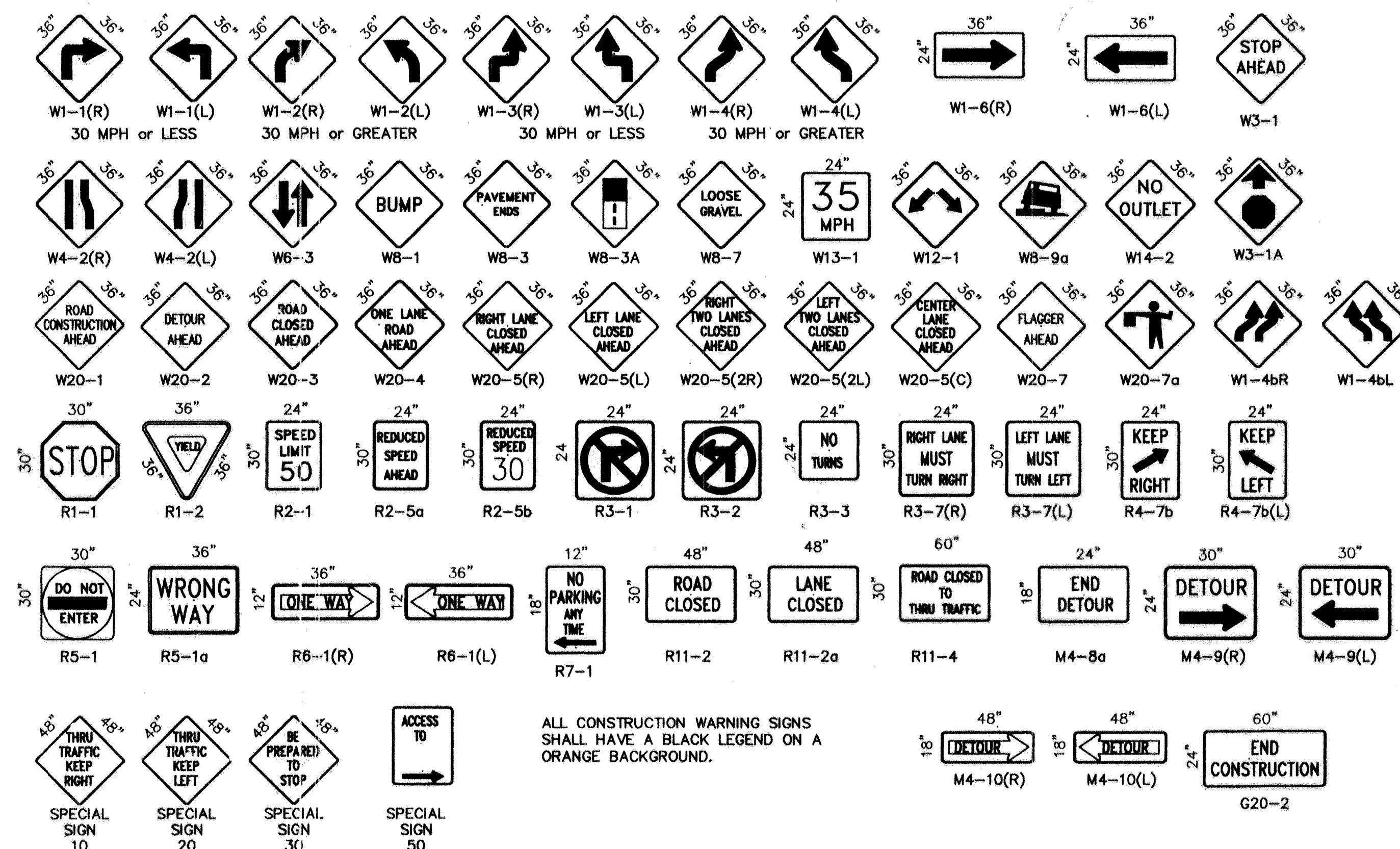
- EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
- CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
  - STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
  - 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.
- 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.
- ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.
- TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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

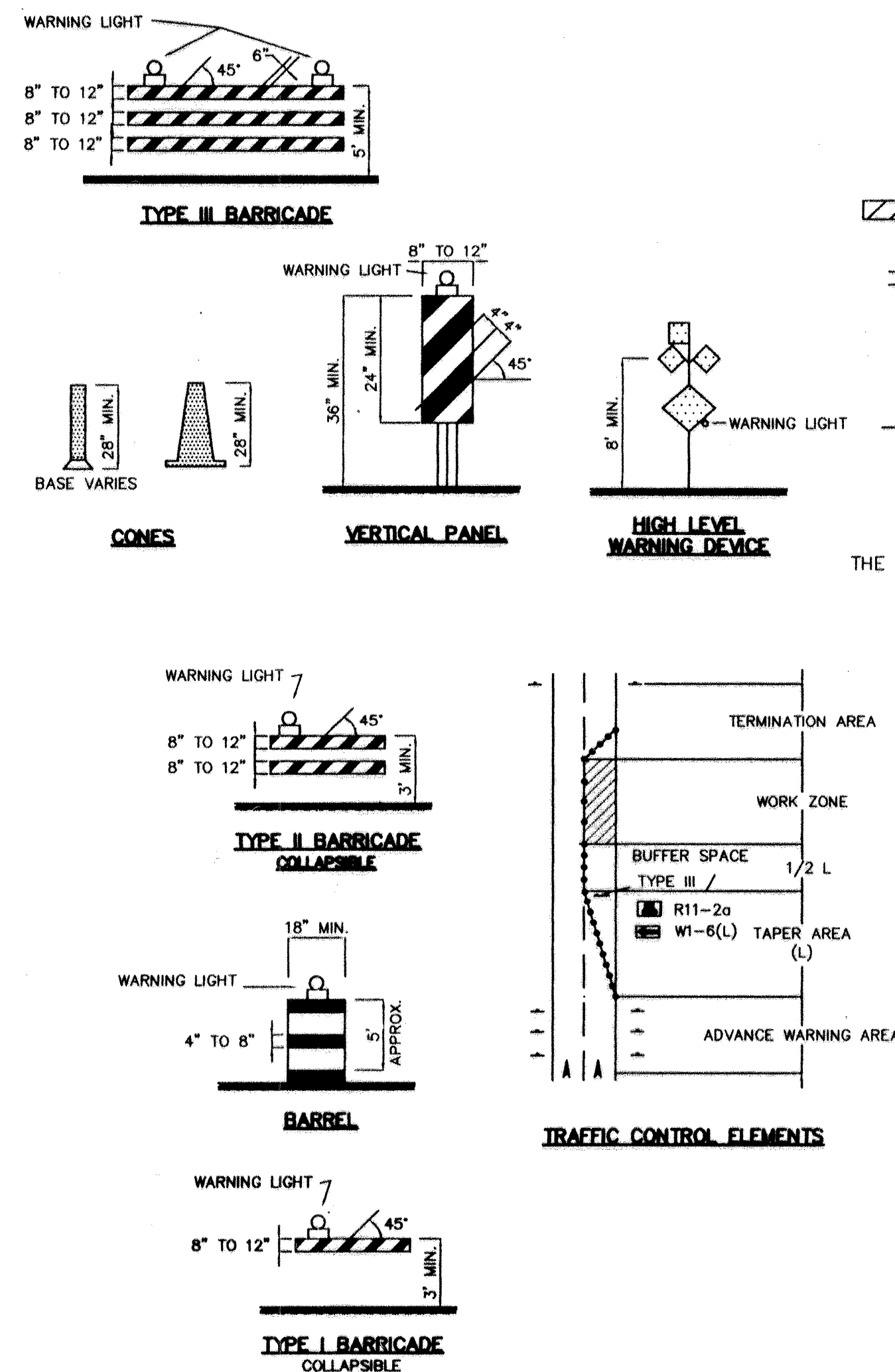
### TRAFFIC CONTROL NOTES

- No lane closures on Louisiana Blvd. will be allowed between 6:00 a.m. and 9:00 a.m., and between 4:00 p.m. and 7:00 p.m., Monday through Friday.

### SIGN FACE DETAILS



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



### 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 MILES PER HOUR	MINIMUM DISTANCE IN FEET	
	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

### TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	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	L =
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$

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

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: <b>SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS</b>			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR	
<b>COASTD</b>		MO./DAY/YR	
PROJECT NO. 713281	MAP NO. 4-18	SHEET 3	OF 4



C:\STANDARD\DWG

**TYPICAL RIGHT LANE CLOSURE**

**TYPICAL LEFT LANE CLOSURE**

**TYPICAL ONE DIRECTION DETOUR**

**TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)**

**TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)**

**TYPICAL SANITARY SEWER SPLITTING OPERATION**

**TYPICAL LANE CLOSURE AT INTERSECTION**

**TYPICAL DOUBLE RIGHT LANE CLOSURE**

**TYPICAL DOUBLE LEFT LANE CLOSURE**

**TYPICAL FLAGGING OPERATION**

**TYPICAL MID-BLOCK CLOSURE**

**TYPICAL STREET CLOSURE**

**TYPICAL STREET CLOSURE**

**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.

**AS BUILT INFORMATION**

CONTRACTOR: \_\_\_\_\_ DATE: \_\_\_\_\_

INSPECTOR: \_\_\_\_\_ DATE: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

CHECKED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

**BENCH MARKS**

NO. \_\_\_\_\_ DATE: \_\_\_\_\_

**SURVEY INFORMATION**

NO. \_\_\_\_\_ DATE: \_\_\_\_\_

**ENGINEER'S SEAL**

RECEIVED \_\_\_\_\_

**REVISIONS**

NO.	DATE	REMARKS
1	9/24/97	REVISED GENERAL NOTE

**CITY OF ALBUQUERQUE**

**PUBLIC WORKS DEPARTMENT**

**ENGINEERING DEVELOPMENT GROUP**

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

DESIGN REVIEW COMMITTEE: \_\_\_\_\_ CITY ENGINEER APPROVAL: \_\_\_\_\_

PROJECT NO. 713281 MAP NO. H-18 SHEET 4 OF 4