PUBLIC INFRASTRUCTURE IMPROVEMENTS

SUN TRAN BUS BAY MONTGOMERY BOULEVARD

EAST OF WYOMING BOULEVARD NE



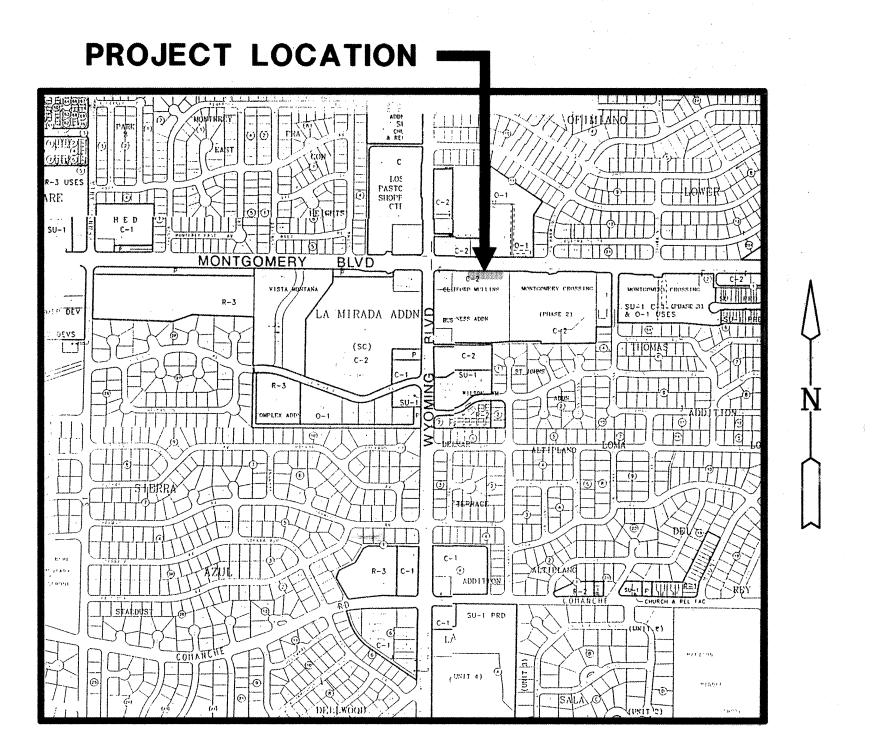


MARCH 1997

FOR INFORMATION ONLY

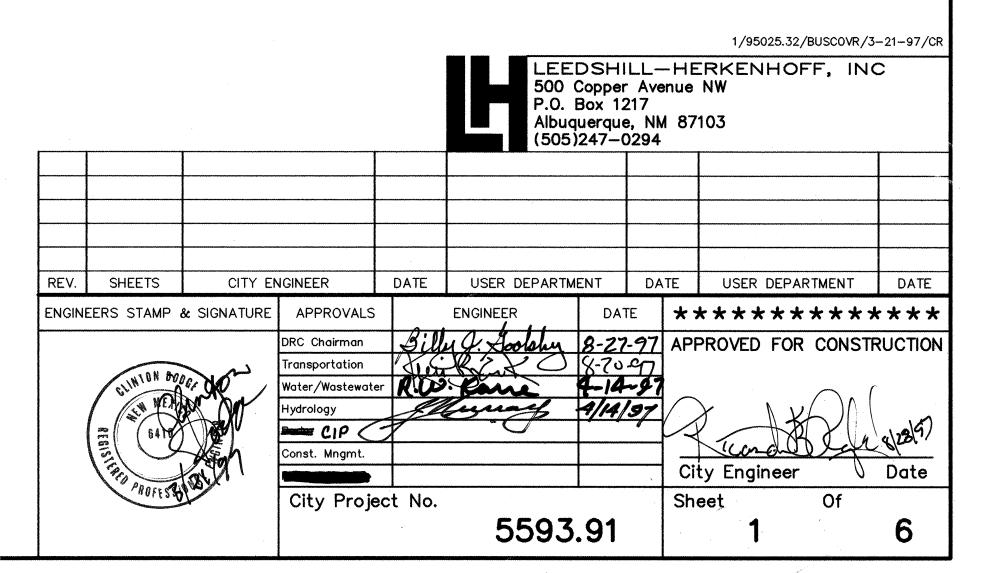
INDEX OF DRAWINGS

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6	OF 6	SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS (CITY STANDARD DRAWING)



MONTGOMERY BOULEVARD NE, LOCATION MAP

ZONE ATLAS MAP NO G20
ADDRESS: 4410 WYOMING BOULEVARD NE
ALBUQUERQUE, NEW MEXICO



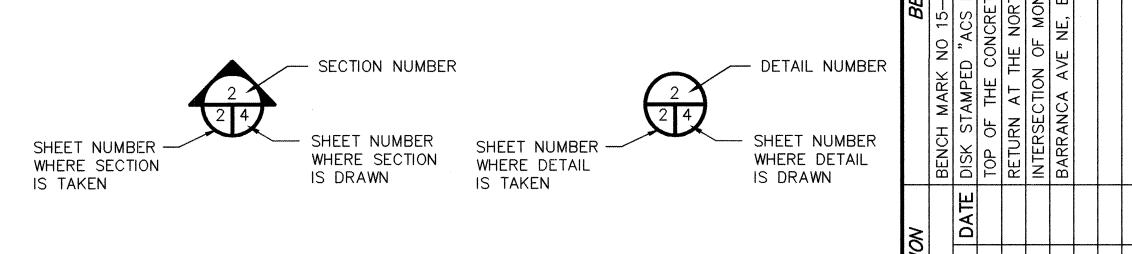
LEGEND		
PROPOSED	EXISTING	DESCRIPTION
NA	×	VALVE
NA		WATER METER
NA	2 march	MAILBOX
		CURB AND GUTTER
NA	manus money Wandson	WATER LINE, STORM DRAIN
NA		TELEPHONE
NA	*	FIRE HYDRANT
NA		BUILDING
		RIGHT OF WAY
NA	Ø	POWER POLE
NA	0	MANHOLE
¥	*	LIGHT POLE
	NA	VALLEY GUTTER

GENERAL NOTES

- A ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS 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 (REFERRED TO HEREAFTER AS THE STANDARD SPECIFICATIONS AS UPDATED THROUGH UPDATE NO. 6.)
- B TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE—CALL SYSTEM, PH. 260—1990, FOR LOCATION OF EXISTING UTILITIES.
- C 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. COST OF THIS PROCEDURE IS INCIDENTAL TO THE PROJECT.
- D THE CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING THE EXECUTION OF THE WATER VALVE SHUT-OFF PLAN WITH THE WATER SYSTEMS DIVISION (857-8200) FIVE WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER UTILITIES.
- E THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA.
- THE CONTRACTOR SHALL EXERCISE DUE CARE TO AVOID DISTURBING EXISTING UNDERGROUND UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION.
- G ALL REFERENCES TO CITY STANDARD DRAWINGS WILL BE PER THE STANDARD SPECIFICATIONS.
- H THREE (3) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768–2551) PRIOR TO OCCUPYING THE ROADWAY. REFER TO SECTION 19 OF GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- J ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH REFLECTORIZED PLASTIC PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- K CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASUREMENTS 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, THE 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.
- EXCAVATED MATERIALS WILL ONLY BE PLACED AS APPROVED BY THE ENGINEER.
- M THE REMOVAL AND REPLACEMENT OF PRIVATE SIGNS AND OBSTRUCTIONS SHALL BE PERFORMED BY THE RESPECTIVE PROPERTY OWNERS UNLESS OTHERWISE NOTED. COORDINATION SHALL BE THE RESPONSIBILITY OF THE ENGINEER.
- N WHERE TRENCHING EXPOSES EXISTING UTILITY LINES, THE CONTRACTOR WILL BE RESPONSIBLE FOR SUPPORTING THE LINE DURING CONSTRUCTION AND ASSURE THAT IT IS ADEQUATELY BACKFILLED AND COMPACTED.
- P AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING WORK WITHIN THE CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED AT THE TIME OF APPLICATION FOR THIS PERMIT.
- Q ALL EXISTING REGULATORY SIGNS THAT NEED TO BE REMOVED, RELOCATED OR REINSTALLED SHALL BE DONE BY THE CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT CONSTRUCTION COORDINATOR. THE CONTRACTOR SHALL NOTIFY THE CITY CONSTRUCTION COORDINATOR THREE (3) WORKING DAYS IN ADVANCE OF ANY REQUIRED WORK.
- ALL WORK ON THIS PROJECT SHALL CONFORM WITH THE CITY'S ORANGE BARREL POLICY, DATED AUGUST 1, 1994, AND SHALL BE CLEARED BY THE CONSTRUCTION COORDINATION DIVISION OF THE CITY OF ALBUQUERQUE FOR INTERFERENCE WITH OTHER CONSTRUCTION PROJECTS (INCLUDING THOSE OF OTHER GOVERNMENTAL AGENCIES AND UTILITY COMPANIES) AFFECTING TRAFFIC. THE CONTRACTOR SHALL ALLOW ENOUGH TIME BETWEEN HIS PERMIT REQUEST AND CONSTRUCTION BEFORE SCHEDULING CREWS AND EQUIPMENT.
- S ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
- T BARRICADES SHALL BE REMOVED FROM SITE WHEN NOT IN USE.
- U BARRICADES OF CONSTRUCTION SITES SHALL BE PLACED NO EARLIER THAN ONE HOUR PRIOR TO STARTING WORK AND SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE WORK. THE CONTRACTOR SHALL SCHEDULE A BARRICADE PICKUP TO COINCIDE WITH THE COMPLETION OF CLEARING THE ROADWAY.
- V THE CONTRACTOR SHALL REVIEW HIS OPERATIONAL PRACTICES AND PROCEDURES ON A DAILY BASIS TO EXPEDITE THE WORK, AND CLEAR THE RIGHT—OF—WAY AS SOON AS POSSIBLE.
- W CRITICAL INTERSECTION WORK SHALL NOT START UNTIL THE CONTRACTOR HAS ALL MATERIALS, EQUIPMENT AND NECESSARY PERSONNEL ON—SITE. TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED PREMATURELY.
- X CONTRACTOR SHALL COORDINATE WITH THE CITY'S CONSTRUCTION COORDINATION DIVISION TO INSURE THAT PROJECT MONITORING PERSONNEL ARE ON—DUTY DURING THE PROPOSED WORK SCHEDULE.

- Y THE CONTRACTOR SHALL WORK ON SATURDAYS, SUNDAYS AND HOLIDAYS UNLESS DIRECTED OTHERWISE IN WRITING BY THE CITY'S CONSTRUCTION COORDINATOR.
- Z THE CONTRACTOR SHALL USE HIGH EARLY STRENGTH CONCRETE. MIX DESIGNS FOR HIGH EARLY STRENGTH CONCRETE SHALL BE APPROVED IN ADVANCE OF ANTICIPATED USE.
- AA THE CONTRACTOR SHALL USE APPROVED TRAFFIC CONTROL METHODS AS FOUND ON SHEETS 5 AND 6 OF THIS SET.
- BB THE CONTRACTOR SHALL HAVE SUBSTANTIAL COMPLETION ON THE BUS BAY WITHIN FOURTEEN CALENDAR DAYS. LIQUIDATED DAMAGES IN THE AMOUNT OF FIFTEEN HUNDRED DOLLARS (\$1500.00) PER DAY WILL BE ASSESSED FOR EACH DAY THE WORK REMAINS INCOMPLETE BEYOND THE ESTABLISHED COMPLETION DATE.
- CC THE CONTRACTOR SHALL PLACE SIDEWALK BARRICADES AT THE ENDS OF CONSTRUCTION AREA.
- DD THE CONTRACTOR'S COST TO COMPLY WITH THE SPECIAL REQUIREMENTS DESCRIBED IN THE ABOVE NOTES SHALL BE INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT.
- EE THE CONTRACTOR SHALL KEEP ALL DRIVING LANES ON MONTGOMERY BOULEVARD OPEN DURING WEEKDAY PEAK HOURS PER DETAIL NO.1 ON SHEET 4 OF THIS SET.

SYMBOL LEGEND



ABBREVIATIONS

APPROX	APPROXIMATELY
ASPH	ASPHALT
BL	BASELINE
BSW	BACK OF SIDEWALK
CI	CAST IRON
CON	CONCRETE
C CYL	CONCRETE CYLINDER
¢	CENTERLINE
ĒLEV	ELEVATION
EOA	EDGE OF ASPHALT
FH	FIRE HYDRANT
FL	FLOW LINE
FT	FEET
HVPP	HIGH VOLTAGE POWER POLE
MH	MANHOLE
MIN	MINIMUM
MUTCD	MANUAL ON UNIFORM TRAFFIC
WIO TOD	CONTROL DEVICES, LATEST EDITION
OPP	OPPOSITE
re e	PLATE
PC	POINT OF CURVATURE
PED	PEDESTAL
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT OF WAY
RT	RIGHT
SAS	SANITARY SEWER
STA	STATION
STD DWG	CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS
arthur tur 17 tur	FOR PUBLIC WORKS CONSTRUCTION STANDARD DRAWING
Т	TANGENT LENGTH
TA	TOP OF ASPHALT
TBM	TEMPORARY BENCHMARK
TELE	TELEPHONE
TC	TOP OF CURB
TSW	TOD OF OIDSWALK
VCP	VITRIFIED CLAY PIPE FOR INFORMATION ONLY
W	WATER LINE
WM	WATER LINE WATER METER
	INTERSECTION ANGLE
Δ	LENGTH OF CURVE LEEDSHILL—HERKENHOFF, INC
Ĺ.	500 Copper Avenue NW

P.O. Box 1217 Albuquerque, NM 87103 (505)247-0294 CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP TITLE: PUBLIC INFRASTUCTURE IMPROVEMENTS SUN TRAN BUS BAY - MONTOMERY BOULEVARD LEGEND, GENERAL NOTES AND ABBREVIATIONS Mo./Day/Yr. Mo./Day/Yr. Design Review Committee City Engineer Approval AUG 27 1997 DESIGN REVIEW COMMITTEE City Project No. Zone Map No.

5593.91

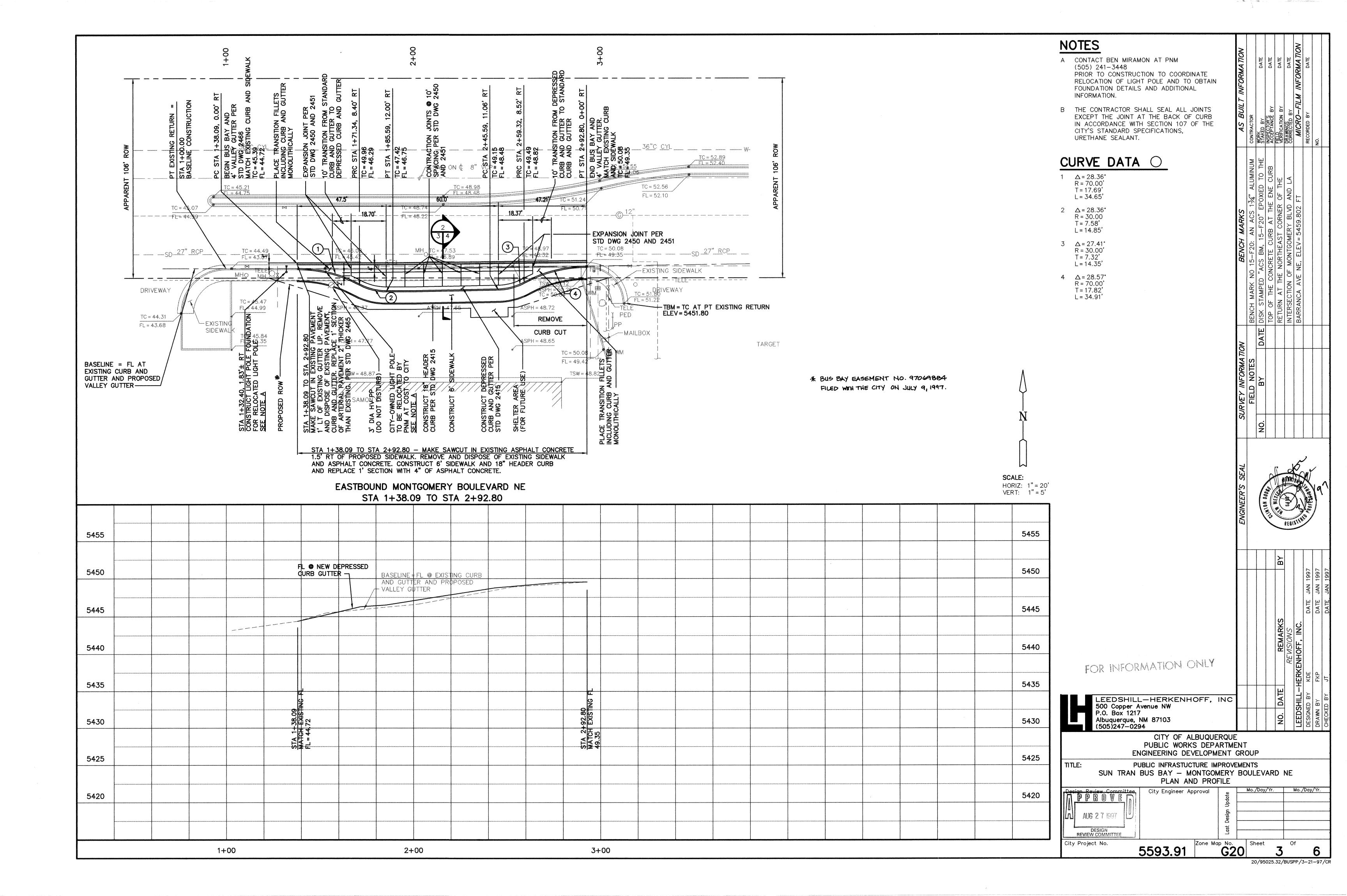
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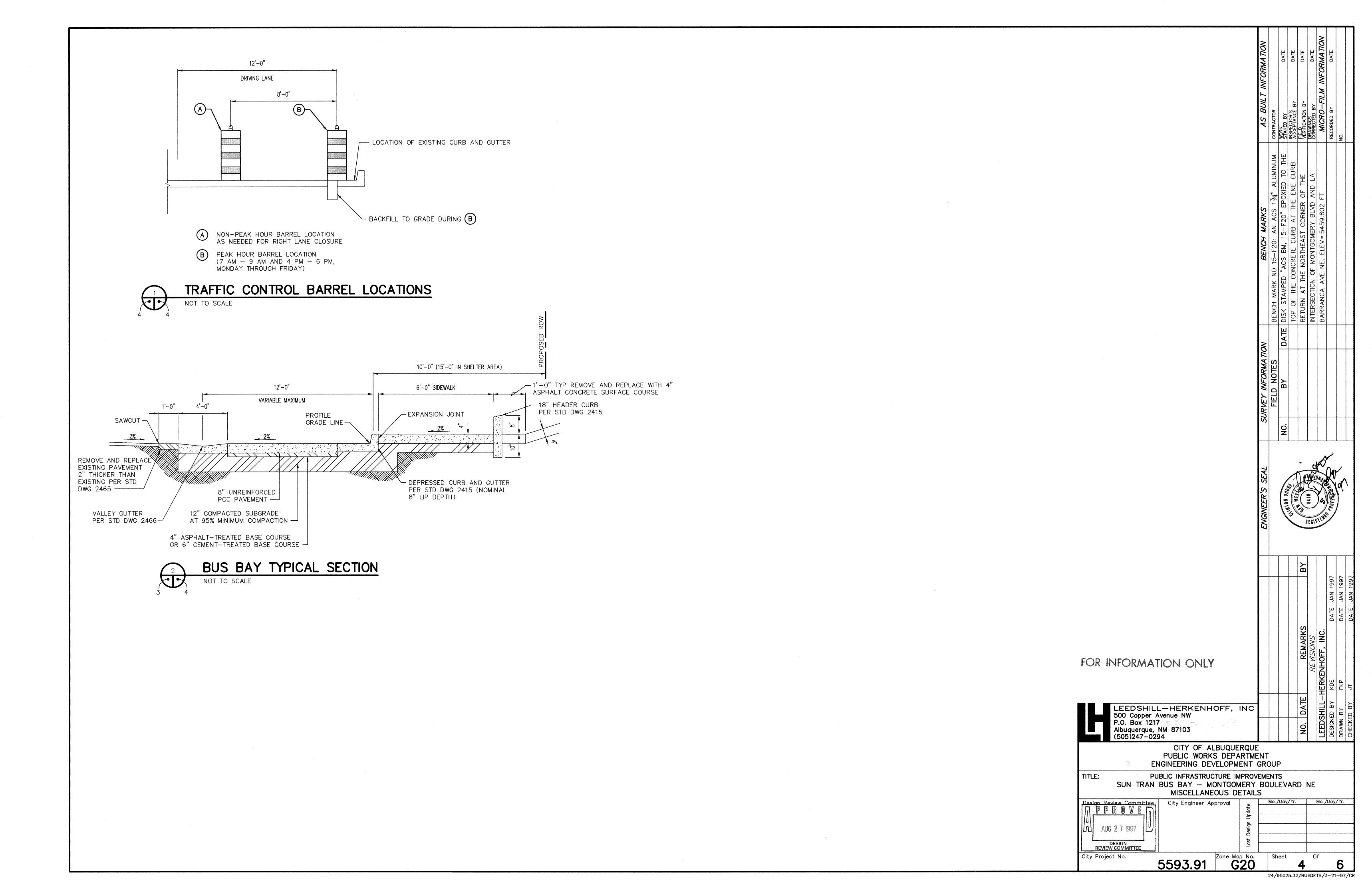
REMARKS

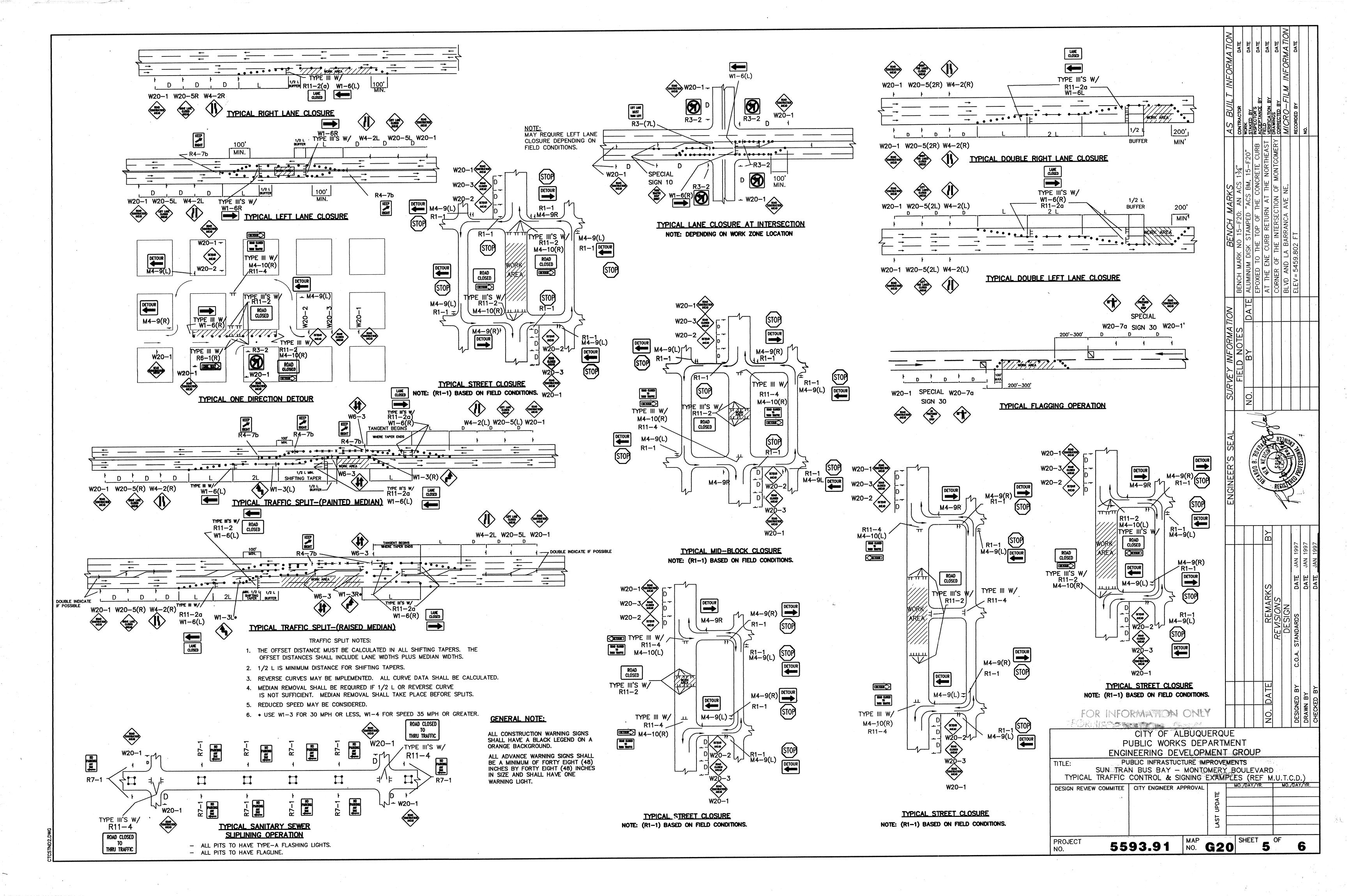
REVISIONS

-HERKENHOFF, INC.

DATE
DATE
DATE
DATE







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 IT'S 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.

ACCESS TO

SPECIAL

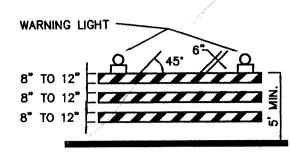
SIGN

THRU TRAFFIC KEEP

SPECIAL SIGN

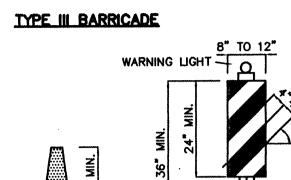
BE PREPARED

SIGN



BASE VARIES

CONES



8" TO 12"

TYPE | BARRICADE COLLAPSIBLE

CDETOUR

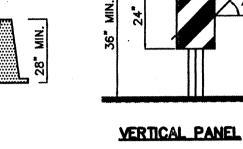
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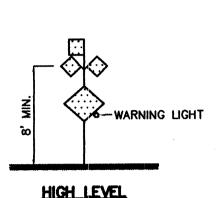
DETOUR

END

CONSTRUCTION

G20-2





HIGH LEVEL WARNING DEVICE

LEGEND

DATE
DATE
DATE
DATE
DATE
DATE
DATE
DATE

WORK AREA BARRICADE - TYPE I, TYPE II, OR BARREL BARRICADE - TYPE III

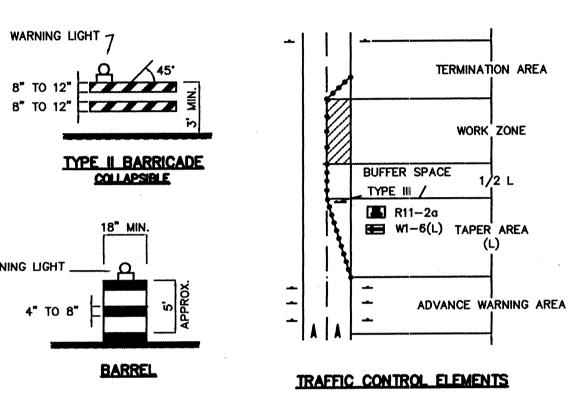
> VERTICAL PANEL WARNING SIGN

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

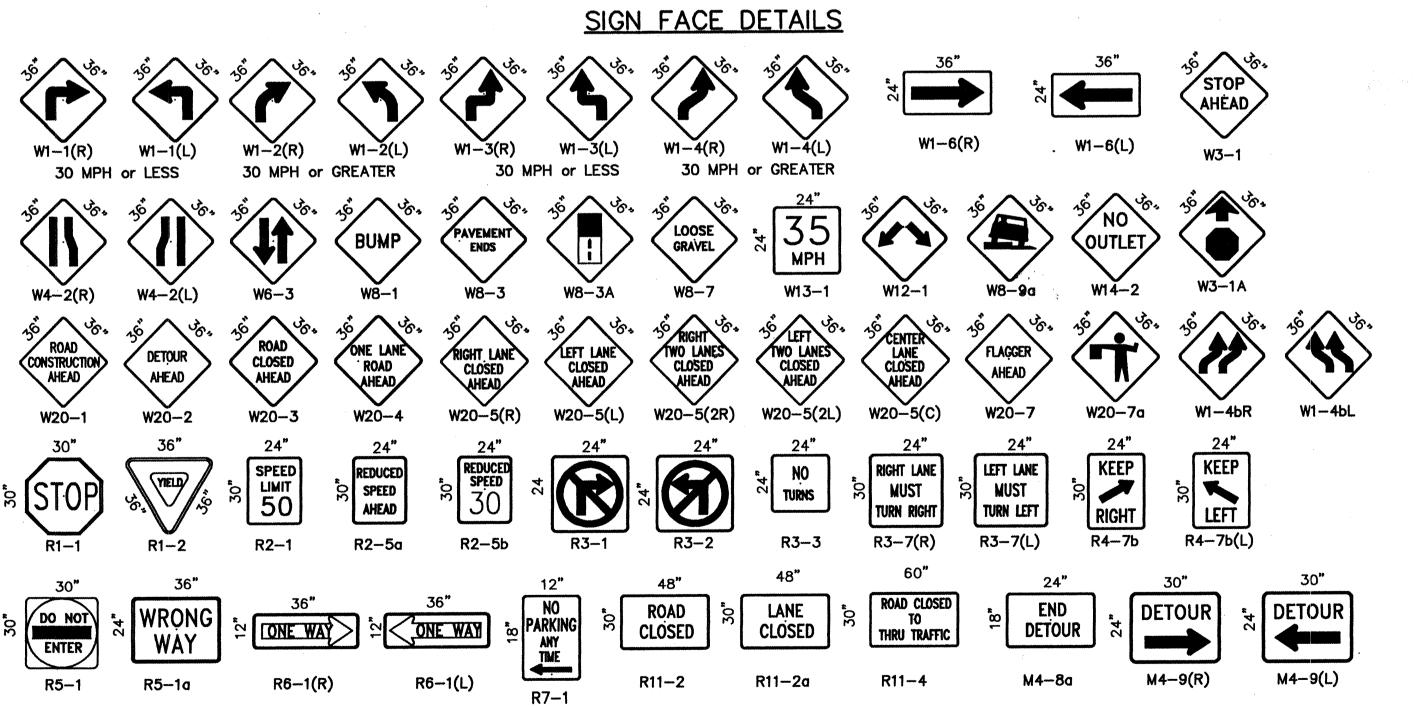
TAPER LENGTH - SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.



TAPER REQUIREMENTS

SPEED LIMIT	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER	MAXIMUM DEVICE SPACING IN FEET		
(MPH)	10' LANE	11' LANE	12' LANE	OF DEVICES FOR TAPER	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	



ALL CONSTRUCTION WARNING SIGNS

SHALL HAVE A BLACK LEGEND ON A

ORANGE BACKGROUND.

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

ADVANCE WARNING SIGN SEINES						
SPEED	MINIMUM DIST	MINIMUM DISTANCE IN FEET				
MILES PER HOUR	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 CRITER	
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER: MERGING TAPER SHIFTING TAPER SHOULDER TAPER TWO-WAY TRAFFIC TAPER	L MINIMUM 1/2 L MINIMUM 1/2 L MINIMUM 100 FEET MAXIMUM

IWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM	1 1	1			1		
DOWNSTREAM TAPERS	100 FEET PER LANE			S			DATE	DATE
, ,				ARKS	S			
TAPER LENGTH COMP	UTATION			ΜA	8	25		
SPEED LIMIT				꼾	ISI	Š		
40 MPH OR LESS	$L = \frac{WS^2}{60}$				SEI	۵		SQS
45 MPH OR GREATER	$L = W \times S$							STANDARDS
L = TAPER LENGTH							,	STAI
W = WDTH OF OFFSET IN S S = POSTED SPEED OR OF	F-PEAK							C.O.A.
85-PERCENTILE SPEED	O IN MPH			田			_	Ö
	· · · · · · · · · · · · · · · · · · ·			A			:D BY	ΒY
FOR INFORM							DESIGNED	DRAWN
	,			ž			Ä	R

CITY OF ALBUQUERQ	JE			
PUBLIC WORKS DEPARTI	ME	NT	-	
ENGINEERING DEVELOPMENT	Γ (GRO	ŲC	P

TITLE:	SUN TRA	UBLIC INFRASTUCTURE IN AN BUS BAY — MONTO CONSTRUCTION TRAFF	OMER	Y BOULEVAR	D IDARDS
		CITY ENGINEER APPROVAL	ST UPDATE	MO./DAY/YR.	MO./DAY/YR

PROJECT 5593.91 No. G20