

CITY OF ALBUQUERQUE

CONSTRUCTION PLANS FOR

ZONE 2W-2WR WATER TRANSMISSION LINE

JUNE 2000

INDEX OF SHEETS

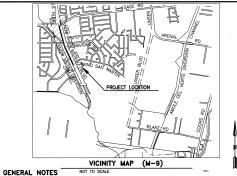
CHEET TITLE

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4	ZONE 2W-OW WATER TRANSMISSION LINE, PLAN & PROFILE STA. 12+00.00 TO STA. 23+00.
5	ZONE 2W-OW WATER TRANSMISSION LINE, PLAN & PROFILE STA. 23+00.00 TO STA. 29+20.
6	WATER VALVE SHUT-OFF PLAN & LARGE DIAMETER VALVE VAULT DETAIL
7	WATER LINE FILLING, DISINFECTION, & FILLING PLAN
8	RESTRAINED JOINT DETAILS
9	BORING LOGS
10	PRESSURE REDUCING VALVE STATION SITE PLAN & DETAILS
11	COA SIGNING & CONSTRUCTION TRAFFIC CONTROL STANDARDS
12	COA TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)







GENERAL NOTES

TO SOULE

THE servicing days perior for any execution, controctor must contact NM. One—Coll System, Inc., 280—1990, for location of seating utilities. Controctor shall discoul coll traffic enjoyees and seating utilities. Controctor shall discould be controlled in the control of the control of the controlled in controlled in the controlled in the controlled in the controlled in controlled in controlled in the controlled in the

construction, contractor shall contact the water systems division, SDF-2000, to intolke implementation of the one-pressurized SDF-2000, to intolke implementation of the one-pressurized SDF-2000, to intolke implementation of the one-pressurized substances of the state of the sta

No utility service shall be disrupted without first notifying oil indirectly parties at 8 hours in officer, division of Public Works (ph. 807-8000) and the oily of Albaquerque fire department of least fire (3) working days in obvince of ony day that fire hydronia will be token out of and returned to service. Refer to Section 18 (perent) conditions) of the specifications.

The contractor shall field worky oil waterinia connections to older obtaining correct doughters and other fiftings.

The contractor shall assume responsibility for any damage to existing valve boses, mohibels, severe services, poverment markings, curb & gutter, order from these sections of adversarial configurations of the contractor shall assume responsibility for any damage to a shall assume that the contractor shall assume responsibility for any damage to a shall assume that the contractor shall assume responsibility for any damage to a shall assume that the contractor of the contr

indicated for removed on the glans and shall repair or replace per COA, standards or controllor's separations Goodelis Survey to COA, standards or controllor's separation Codelis Survey to CoA, standards or controllor server to the engineer not server to controllor server to the controllor server to controllor server to the engineer controllor server to controllor server to the controllor server to controllor s



12. The contractor is responsible for removal and disposal of all denolition debris in an environmentally acceptable manner. All subleged methods shall be handled in accordance with 13. Temporary water service is to be provided for any residence, school or business which will be out of service more than the contract of the estimate of the entire shall be made between calling prevented with the entire shall be made between calling prevented with the removal to the estimating centerine grades unless otherwise directed by the engineer. Smooth transitions shall be made between calling prevented with remove in prace and prevented with the entire to the estimating prevented with removal probable of the engineer. Smooth transitions and between calling prevented with removal probable of the engineer. Smooth transitions and between the engineer of the engineer with the entire to the contractions that the proposed with probable of the engineer of the en

specifications.

B. The controllers shall mointain all transhes in a safe condition protecting the workers and the general public. Transh protection shall be in accordance with O.S.H.A. 2016-01 1926.650 subpart p. Econvoltons shall be slowed, broaded 1926.650 subpart p. Econvoltons shall be slowed, broaded in safety management for joint slaw shall promote the safety of the removed on a safety management for joint sending, and for the money of the complex shall be made therefore. No additional compression will be model therefore.

19. All work offecting arterial roadway requires twenty four (24) hour construction.

constructed.

The controtor shall not store or park equipment in front of private residences over night.

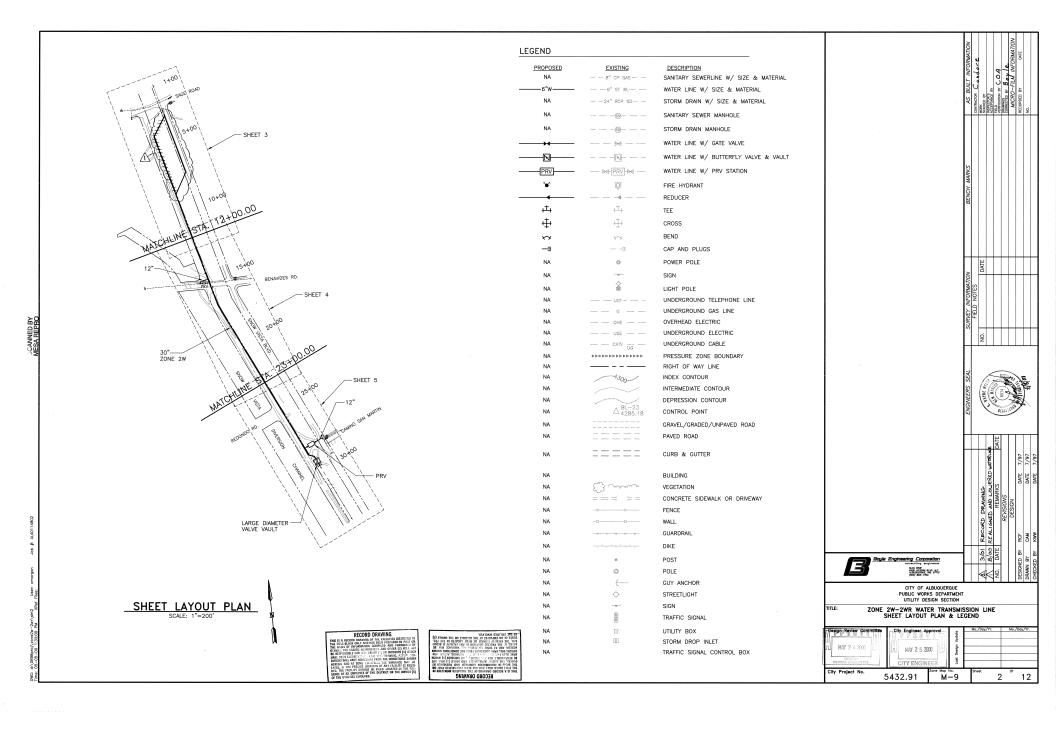
All open excovations shall be back-filled or odequately fenced at the end of each workday to prevent people and whices from entering the excovations. All open excovations shall be back-filled over weekends when the contractor is not working the following down.

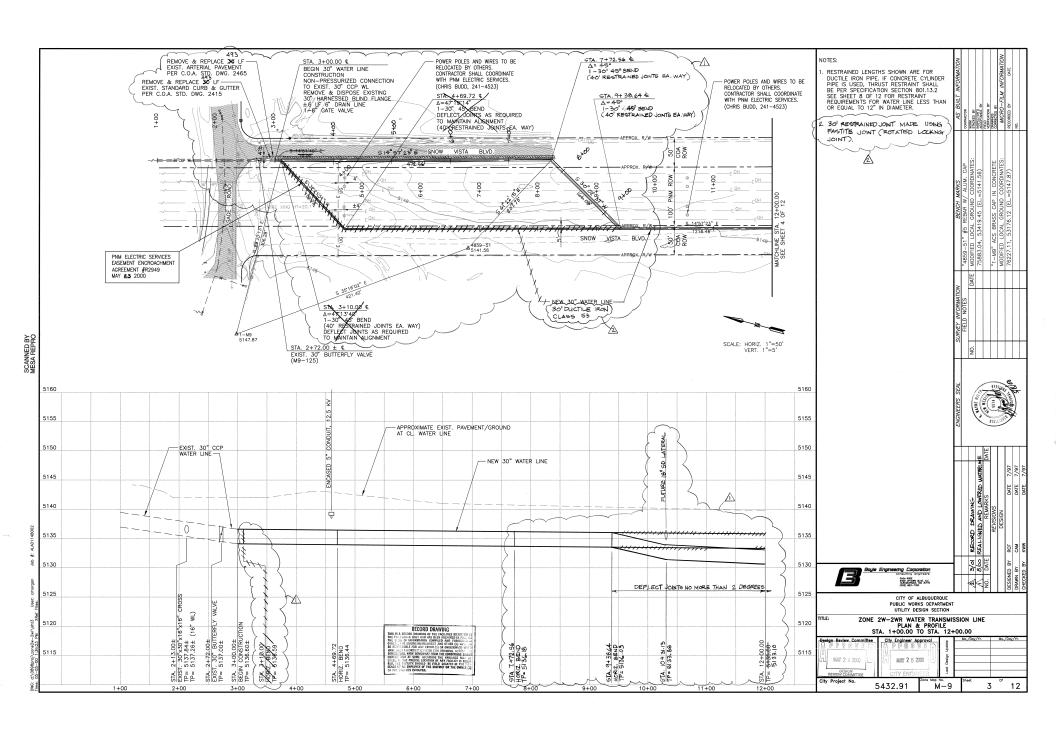


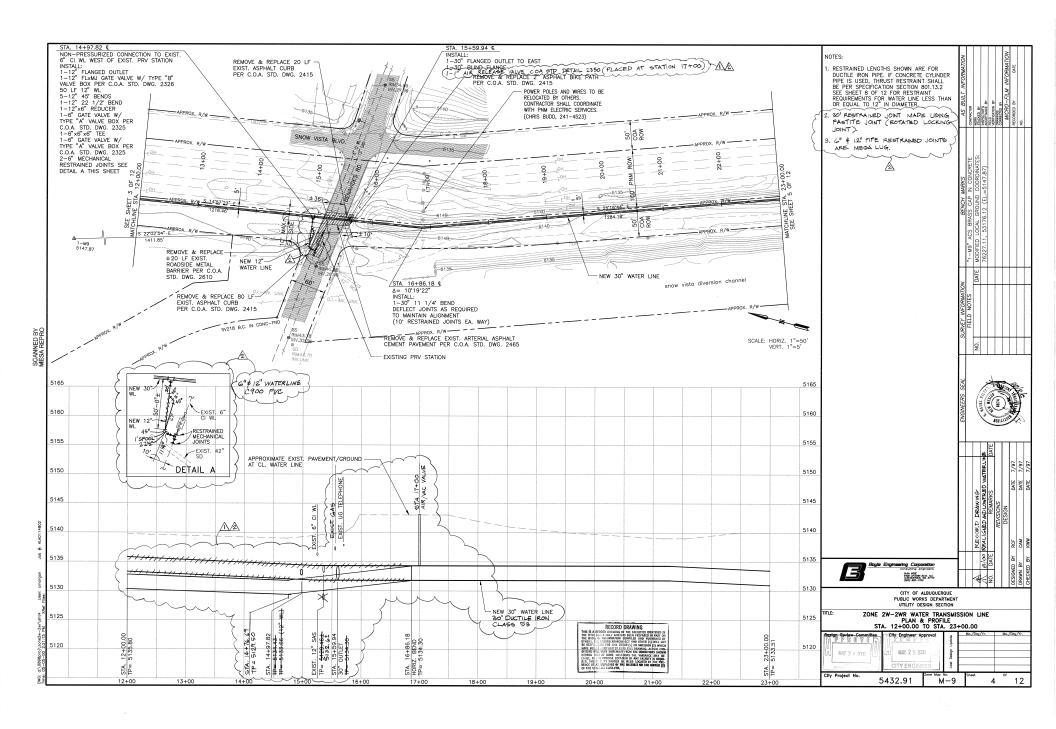
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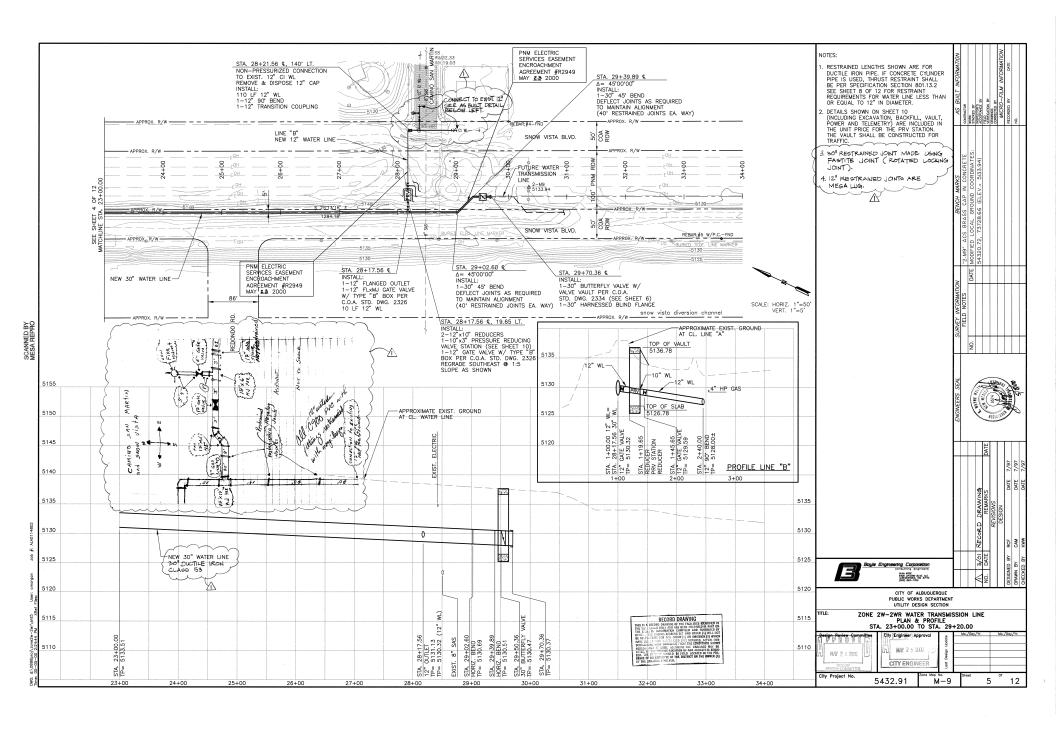
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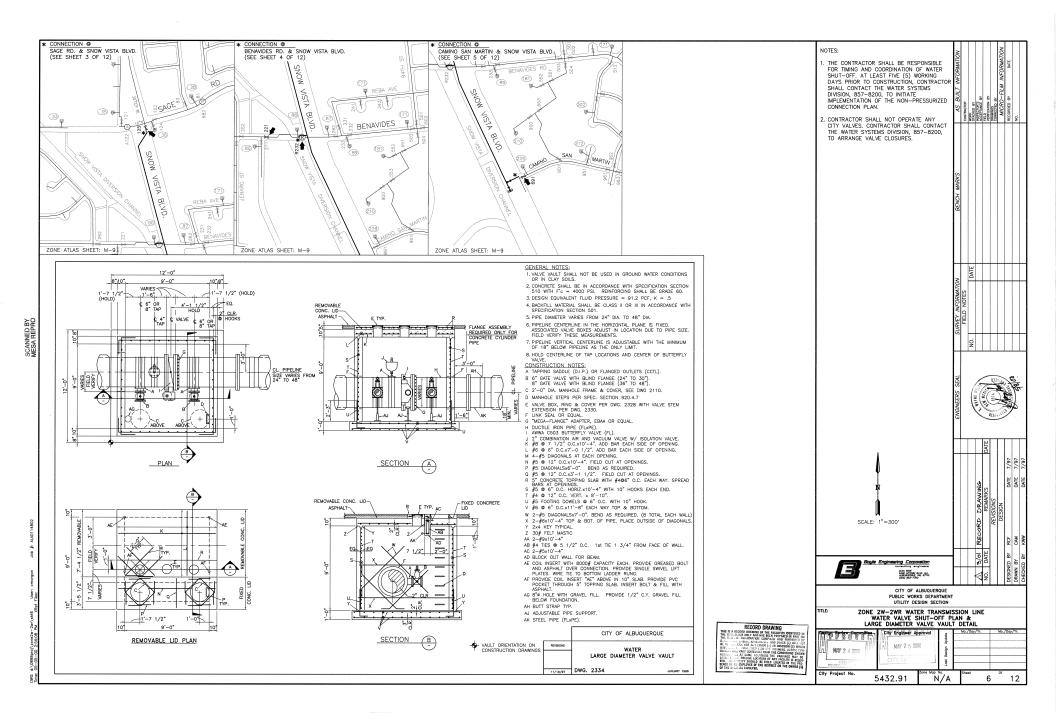
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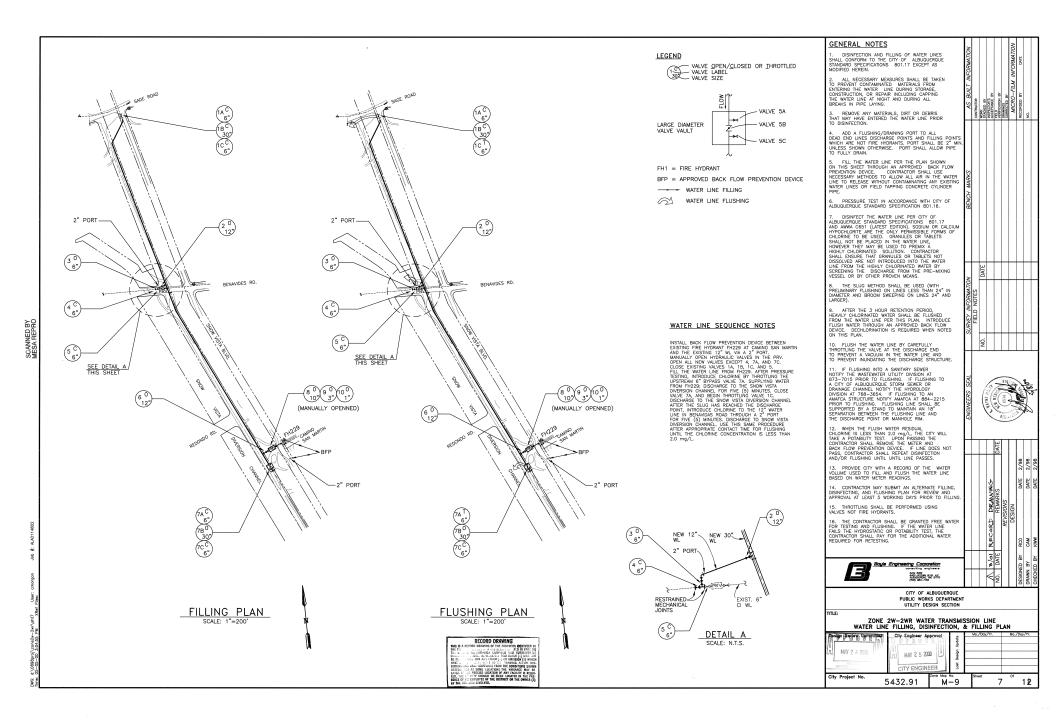


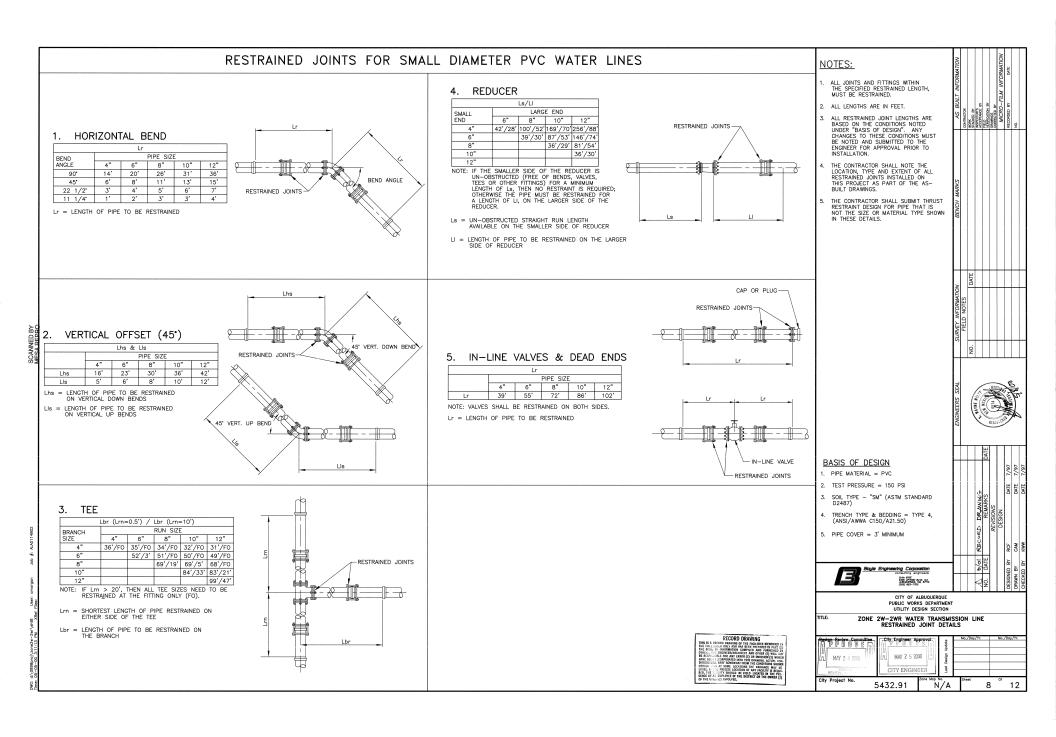


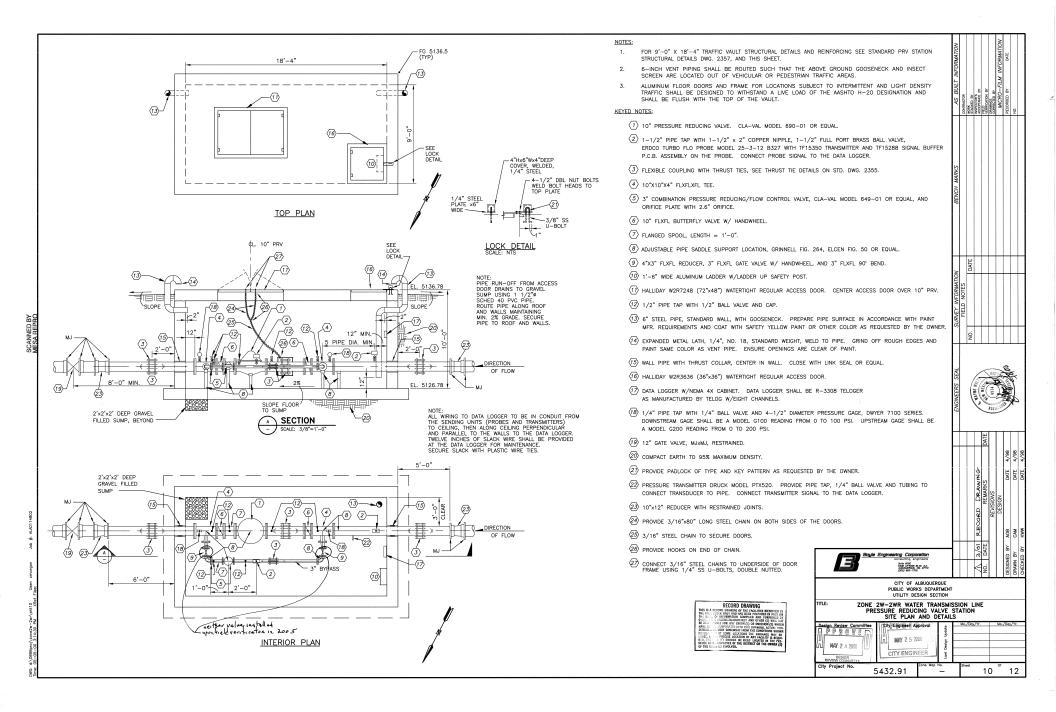












- 2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN SHALL AND BISINESS, PERSIDEITHIA, ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLIDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPERATE PHASES OF A CONSTRUCTION PROJECT. ANY SEPERATE PHASES OF A CONSTRUCTION PROJECT. 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, LAWE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
- 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 BESTEMENT.
- 6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE 6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MINISTAN ALL TRAFFIC CONTROL, DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL CONSTRUCTION COORDINATION, PER SECTION 64—4 OF THE MUTCP, LATEST
- 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 ATSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR
- 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.
- 10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART. A DISTANCE MEASURED IN FEET, EQUIAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCO SECTION 68-4.
- riangle 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 TRAVELED 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.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- 17. CONTRACTOR SHALL PROVIDE ACCESS. SONS FOR BUSINESSES, LICARED WITHOUT HE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION DOCUMENT. THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION OF BUSINESSES AND AREA OF CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSESS SHALL BE LISTED ON A ACCESS SIGN.
- 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.
- 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 THESE COURTY WITH THE FOLLOWING:

1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNFORM TRAFFIC CONTROL. DEVICES, LATEST EDITION.

2. THE CITY OF A BRUGUERQUE TRAFFIC CODE, LATEST EDITION.

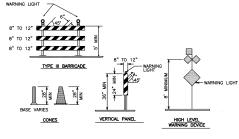
3. SECTION 19 OF THE CITY OF A BRUGUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER

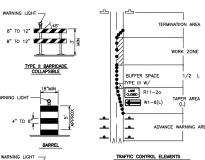
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WO WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE 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.

riangle 27. Contractor shall maintain a graffiti-free worksite. All graffiti shall be prowingly removed from all equiptment, both permanent and temporary.





LEGEND

WORK AREA

- BARRICADE TYPE I, TYPE II, OR BARREL
- BARRICADE TYPE III VERTICAL PANEL
- WARNING SIGN
- 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

 TO STREET STREET
 FLAGMAN POSITION

ON THE PART OF THE

DATE

- SPACING BETWEEN BARRICADES A DISTANCE MEASURED IN FEET EQUAL TO THE STREET LIMIT OF THE STREET
- L TAPER LENGTH SEE CHART BELOW

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

TAPER REQUIREMENT

SPEED	TAP	ER LENGTI (FEET)	H(L)	MINIMUM NUMBER OF	MAXIMUM DEVICE SPACING IN FEET		
(MPH)	10' LANE	11' LANE	12' LANE	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	

RECOMMENDED SIGN SPACING(D) FOR

ADVANCE WARNING SIGN SERIES

SPEED MILES PER HOUR		MINIMUM DISTANCE IN FEET BETWEEN FROM LAST SIGNS SIGN TO TAPER						AST
0-20	10	х	SPEED	LIMIT	10	х	SPEED	LIMIT
25-30	10	Х	SPEED	LIMIT	10	Х	SPEED	LIMIT
30-35	10	Х	SPEED	LIMIT	10	х	SPEED	LIMIT
40-45	10	х	SPEED	LIMIT	10	х	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 MAXIMUI

TAPER LENGTH COMPUTATION

SPEED	LIMIT	

40 MPH OR LESS 40 MPH OR GREATER

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

TRAFFIC CONTROL

SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL MO./DAY/YR. MO./DAY/YR.

5432.91 11 12

SIGN FACE DETAILS

















8" TO 12"

TYPE I BARRICADE COLLAPSIBLE







































DETOUR

ME WAY

2 TANK WAS 22

ROAD CLOSED



