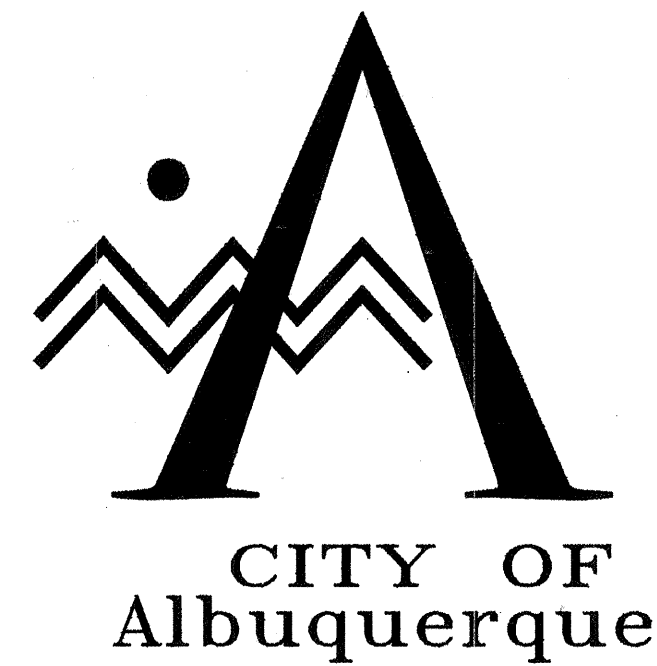




CITY OF ALBUQUERQUE

CONSTRUCTION PLANS FOR

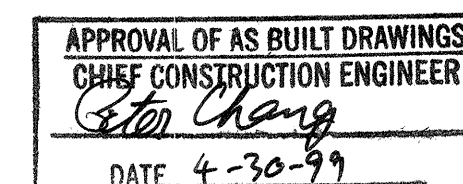
ATRISCO TRUNK MASTER PLAN WATER LINE AND GONZALES RD. INTERCEPTOR RELIEF SANITARY SEWER LINE-PHASE I

(ALAMOSA CENTER FOR FAMILY AND COMMUNITY SERVICES-BID LOT 2)

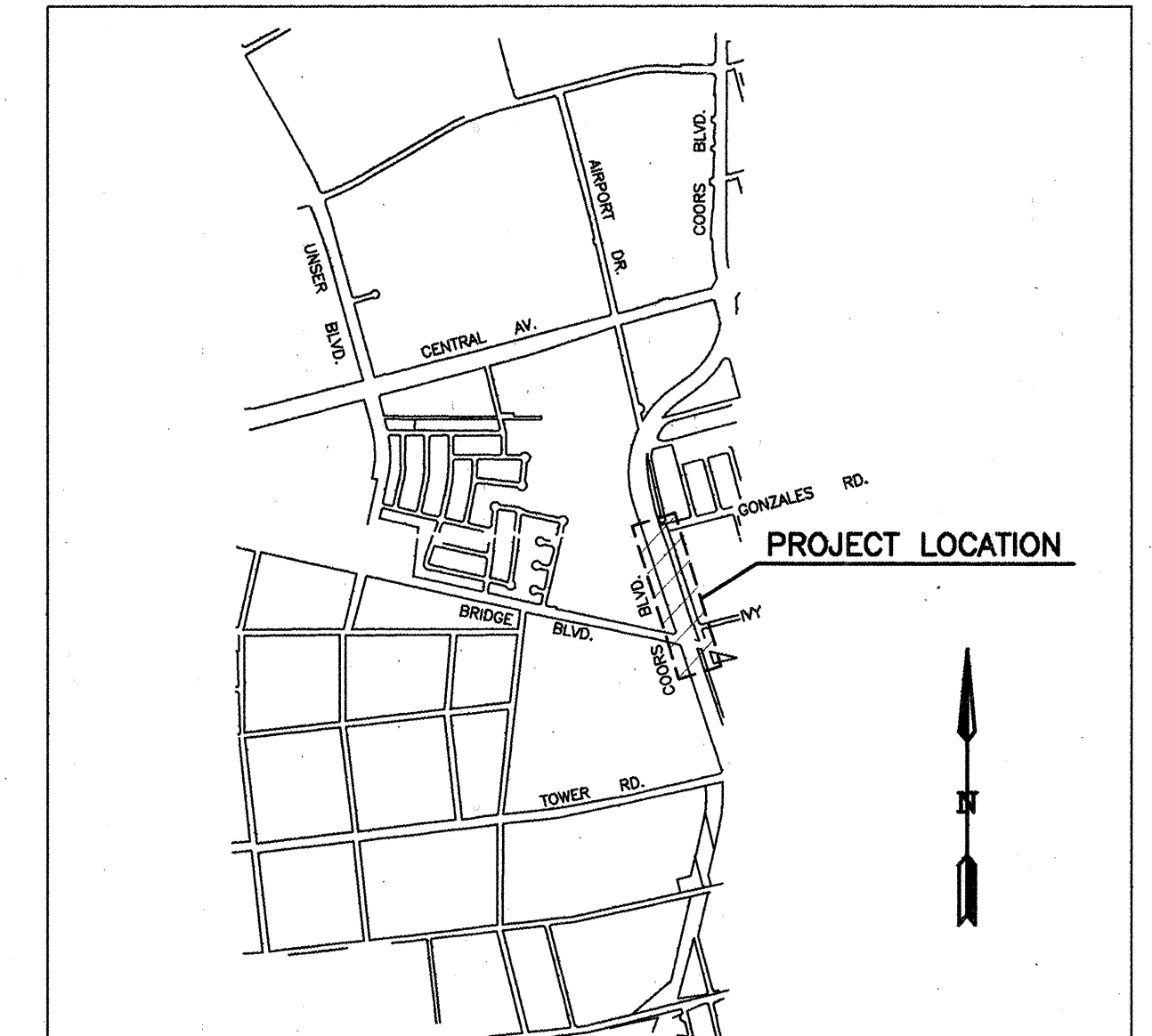
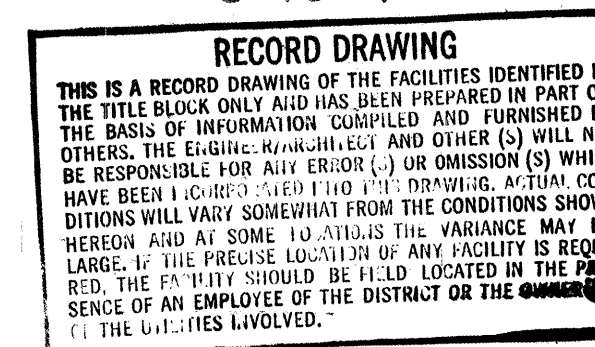
MAY 1997

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3	ATRISCO TRUNK MASTER PLAN WATER LINE & GONZALES RD. INTERCEPTOR RELIEF SANITARY SEWER LINE-PHASE I PLAN & PROFILE WATER LINE STA. 110+50.00 TO STA. 112+93.10 SEWER LINE STA. 110+50.00 TO STA. 113+08.95
4	LARGE DIAMETER VALVE VAULT (C.O.A. STD. DWG. 2334), TYPE "A" VALVE BOX (C.O.A. STD. DWG. 2325), & WATER VALVE SHUT-OFF PLAN
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6	CITY OF ALBUQUERQUE TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)



5-18-98



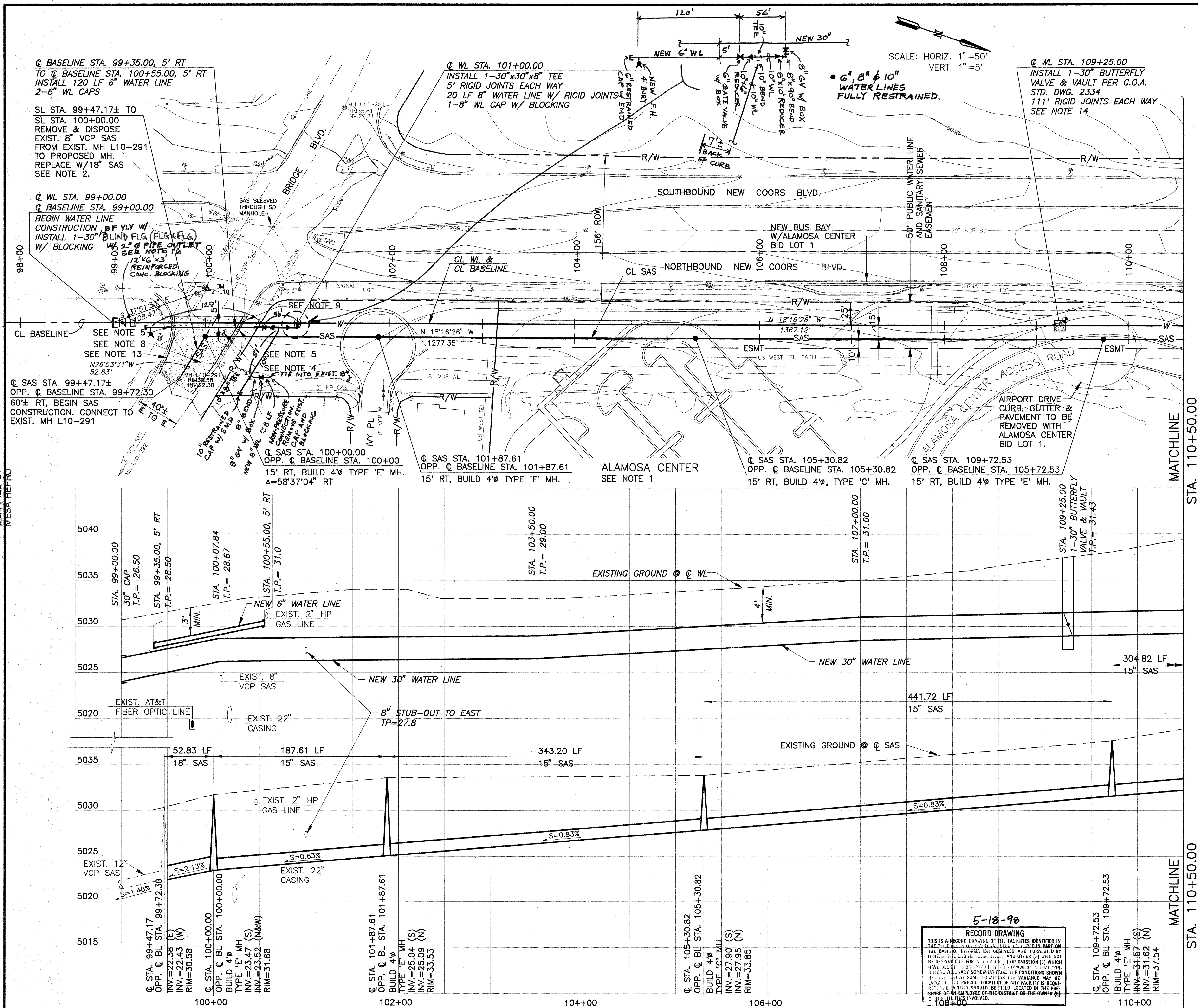
VICINITY MAP (K-10,L-10)
NOT TO SCALE

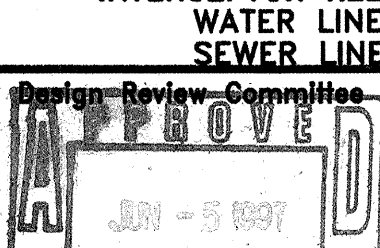
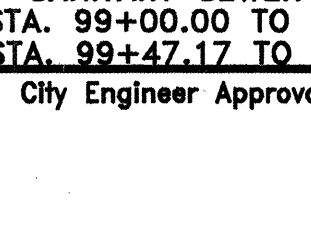
GENERAL NOTES

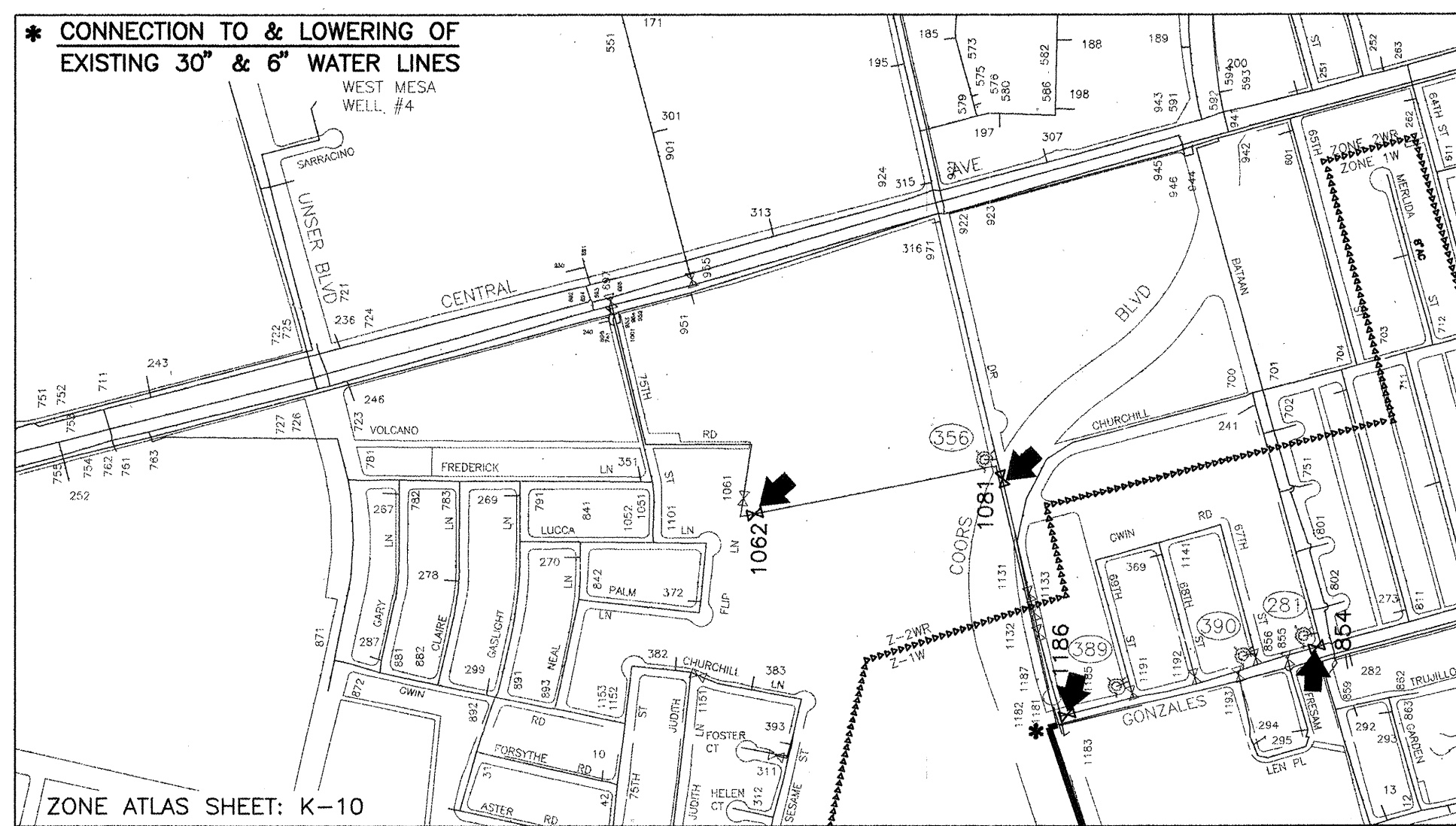
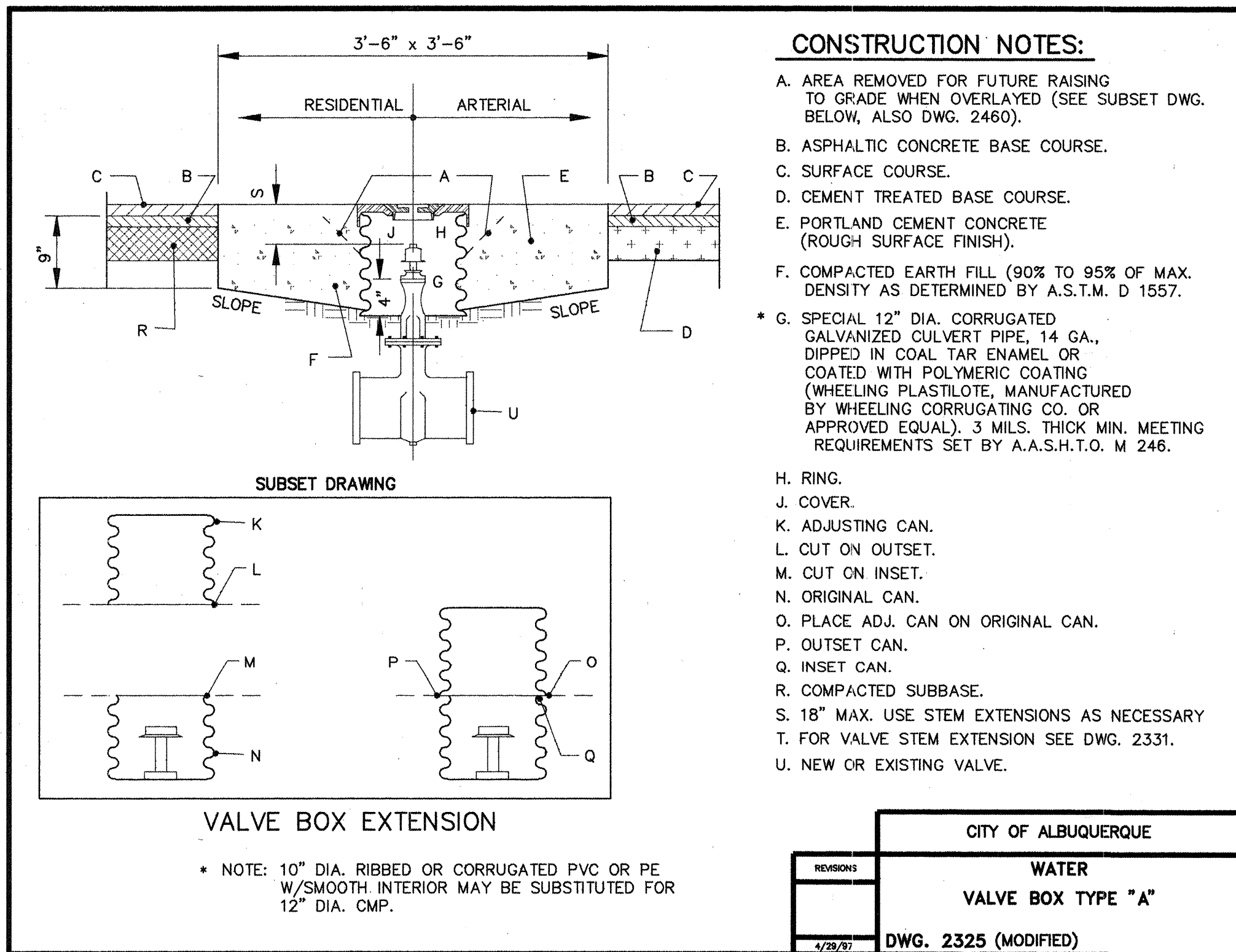
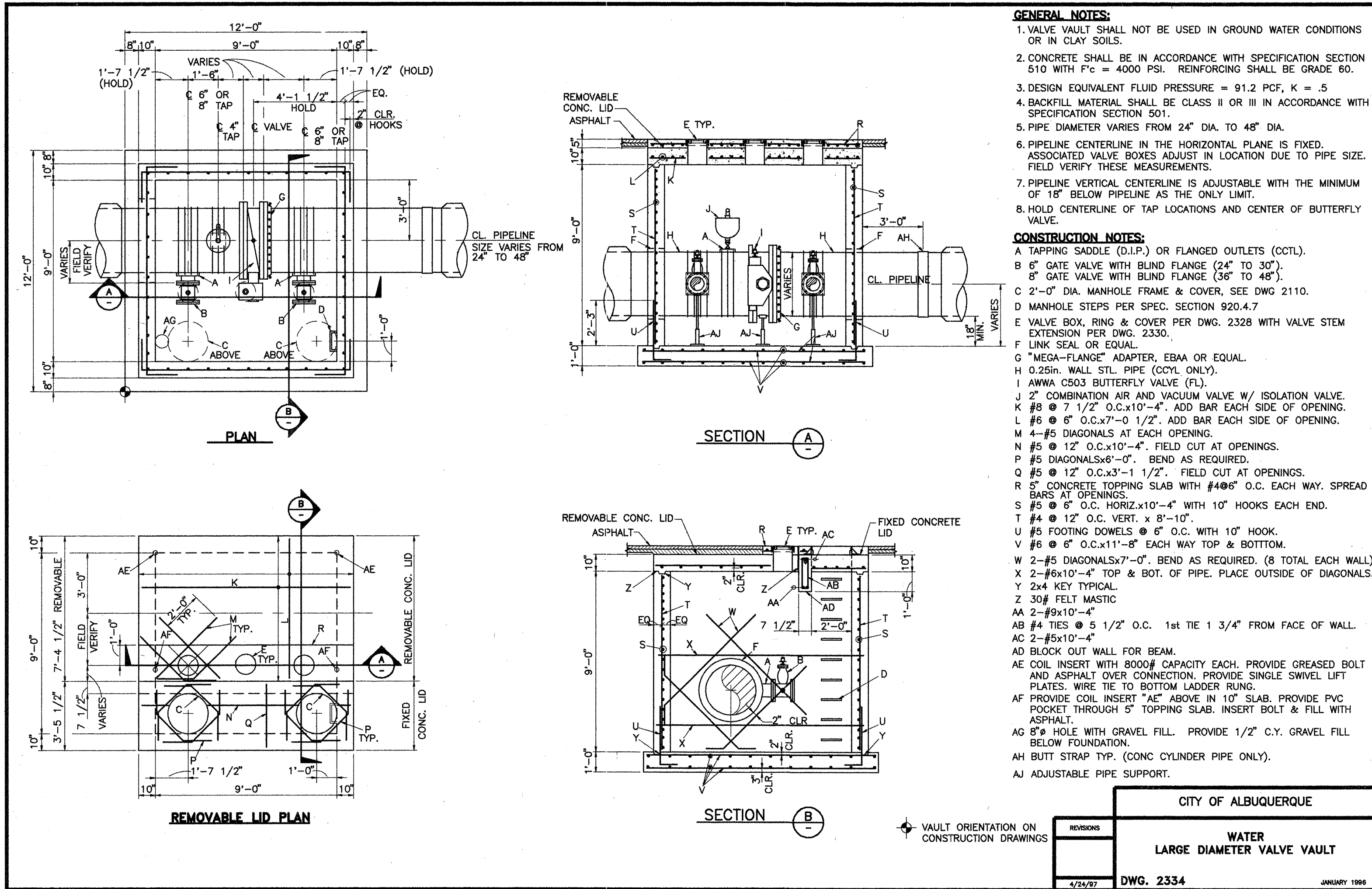
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, INC., 260-1980, FOR LOCATION OF EXISTING UTILITIES. CONTRACTOR SHALL ALSO CALL TRAFFIC OPERATIONS AT 857-8000 FOR LOCATION OF TRAFFIC INTERCONNECT WIRING AND OTHER TRAFFIC SIGNAL EQUIPMENT.
- ALL WORK DETAILED ON 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 (AS AMENDED THROUGH UPDATE #6.) REFERENCED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVE PADS, WHEEL CHAIR RAMPS, AND SIDEWALKS DURING CONSTRUCTION, APART FROM THESE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER C.O.A. STANDARDS AT CONTRACTOR'S EXPENSE.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES HAS BEEN DETERMINED BY INFORMATION PROVIDED BY OTHERS, AND SHALL BE CONSIDERED APPROXIMATE ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND SIZE OF ALL EXISTING UTILITY LINES PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES RESULTING FROM FAILURE TO LOCATE ANY AND ALL UTILITIES.
- QUANTITIES SHOWN FOR THE VARIOUS BID ITEMS ARE FOR THE CONTRACTOR'S INFORMATION ONLY. PAYMENT SHALL BE BASED ON ACTUAL QUANTITIES AS CONSTRUCTED.
- THE CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLITION DEBRIS IN AN ENVIRONMENTALLY ACCEPTABLE MANNER. ALL SALVAGED MATERIALS SHALL BE HANDLED IN ACCORDANCE WITH SECTION 801.15 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL SUPPORT AND MAINTAIN OPERATIONAL ALL UTILITIES EXPOSED DURING TRENCHING AND OTHER CONSTRUCTION OPERATIONS. ALL CONSTRUCTION ACTIVITIES INVOLVING GAS, POWER, WATER, FIBER OPTIC, TRAFFIC SIGNAL EQUIPMENT, AND/OR OTHER UTILITY LINES SHALL BE COORDINATED WITH THE OWNER OF THE UTILITY PRIOR TO ANY DISTURBANCE. NO UTILITY SERVICE SHALL BE DISRUPTED WITHOUT FIRST NOTIFYING ALL AFFECTED PARTIES 48 HOURS IN ADVANCE.
- THE CONTRACTOR SHALL NOTIFY WATER UTILITY DIVISION OF PUBLIC WORKS (PH. 857-8200) AND THE CITY OF ALBUQUERQUE FIRE DEPARTMENT AT LEAST FIVE (5) WORKING DAYS IN ADVANCE OF ANY DAY THAT FIRE HYDRANTS WILL BE TAKEN OUT OF AND RETURNED TO SERVICE. REFER TO SECTION 18 (GENERAL CONDITIONS) OF THE SPECIFICATIONS.
- THE CONTRACTOR SHALL FIELD VERIFY ALL WATERLINE CONNECTIONS TO EXISTING FACILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION TO ALLOW OBTAINING CORRECT ADAPTERS AND OTHER FITTINGS.
- TEMPORARY WATER SERVICE IS TO BE PROVIDED FOR ANY RESIDENCE, SCHOOL OR BUSINESS WHICH WILL BE OUT OF SERVICE MORE THAN FOUR HOURS.
- ALL WATER VALVE BOXES AND SEWER MANHOLES WITHIN THE NEW PAVEMENT ARE TO BE ADJUSTED TO FINISH GRADE PER COA STANDARD DETAILS.
- STREET CENTERLINE GRADES SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING CENTERLINE GRADES UNLESS OTHERWISE DIRECTED BY THE ENGINEER. SMOOTH TRANSITIONS SHALL BE MADE BETWEEN EXISTING PAVEMENT WHICH REMAINS IN PLACE AND PAVEMENT WHICH IS BEING REPLACED.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO 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 AN INTERSECTION.
- ALL STREET STRIPING AND MARKING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO SAME LOCATION AS EXISTING.
- THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING AND MAINTAINING ALL EXISTING MONUMENTATION CONTROLS. IN THE EVENT OF INADVERTENT DESTRUCTION OR ALTERATION, THE CONTRACTOR MUST IMMEDIATELY NOTIFY THE CITY CHIEF SURVEYOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUT-OFF. AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION, 857-8200, TO INITIATE IMPLEMENTATION OF THE NON-PRESSURIZED CONNECTION PLAN.
- ALL WATER LINE FITTINGS, FITTING INSERTION, CONCRETE BLOCKING, WELDING FOR RESTRAINING CONCRETE CYLINDER PIPE, AND MECHANICALLY RESTRAINED JOINT ASSEMBLIES FOR BID LOT 1 SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE PIPE.



REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC Chairman		Billy G. Bostley		6/5/97	
		Transportation		[Signature]		5/22/97	
		Water/Wastewater		[Signature]		5/14/97	
		Hydrology		[Signature]		5/14/97	
CIP		[Signature]		[Signature]		[Signature]	
Constr. Mngmnt.		[Signature]		[Signature]		[Signature]	
City Project No.				5431.91			
Sheet				1 of 6			



- | NOTES | | AS BUILT INFORMATION | | BENCH MARKS | | SURVEY INFORMATION | | ENGINEERS SEAL | | | | | | | | | | | | | |
|---|--|--|--|---|--|--|--|---|--|---|--|--|--|---|--|--------------------------------------|--|------------------------------------|--|-------------------------|--|
| | | | | | | | | | | | | | | | | | | | | | |
| <p>1. ALAMOSA CENTER ACCESS ROAD, PARKING LOT, & SIDEWALKS, NY PL. CUL-DE-SAC, AND AIRPORT DR., CURB, GUTTER, & PAVEMENT REMOVAL ARE SHOWN FOR INFORMATION ONLY. SEE ALAMOSA CENTER BID LOT 1 FOR CONSTRUCTION DETAILS.</p> <p>2. BY-PASS PUMP SEWAGE AS REQUIRED DURING REPLACEMENT OF 8" VCP SEWER LINE, CONNECTION TO EXISTING MANHOLE, AND CONSTRUCTION OF NEW MANHOLE (APPROXIMATE MAXIMUM FLOW = 0.36 MGD).</p> <p>3. SEE SHEETS 5 & 6 FOR TRAFFIC CONTROL AT BRIDGE BLVD. AND NEW COORS BLVD.</p> <p>4. REMOVE & REPLACE ±543 SY. EXISTING ARTERIAL PAVEMENT PER C.O.A. STD. DWG. 2465.</p> <p>5. REMOVE & REPLACE ±64 LF EXISTING CURB & GUTTER PER C.O.A. STD. DWG. 2415.</p> <p>6. ADJUST NEW MH RIM ELEVATIONS TO PAVEMENT INSTALLED UNDER ALAMOSA CONTRACT OR TO MATCH EXISTING PAVEMENT IN BRIDGE BLVD.</p> <p>7. REMOVE & REPLACE ±20 LF EXISTING BARBED WIRE FENCE.</p> <p>8. REMOVE & REPLACE TRAFFIC LOOPS PER INTERM CITY STANDARD SPECIFICATIONS FOR SIGNAL CONSTRUCTION.</p> <p>9. REMOVAL & REPLACEMENT OF SIGNS INCIDENTAL TO PROJECT. CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY DAMAGED SIGNS PER C.O.A. STANDARDS.</p> <p>10. ALL TYPE "C" MANHOLES SHALL BE PER C.O.A. STD. DWG. 2101. ALL TYPE "E" MANHOLES SHALL BE PER C.O.A. STD. DWG. 2102.</p> <p>11. CONSTRUCTION IN BRIDGE BLVD. SHALL BE COMPLETED IN 5 CONSECUTIVE DAYS.</p> <p>12. RIGID JOINT LENGTHS SHOWN ARE FOR DUCTILE IRON PIPE. IF CONCRETE CYLINDER PIPE IS USED, THRUST RESTRAINT SHALL BE PER SPECIFICATIONS SECTION 801.13.2.</p> <p>13. REPLACE PAINTED PAVEMENT MARKINGS PER STS. SECTION 442. TURN ARROWS AND LETTERING REPLACEMENT INCIDENTAL TO PROJECT.</p> <p>14. SEE SHEET 4 FOR LARGE DIAMETER VALVE VAULT (C.O.A. STD. DWG. 2334)</p> <p>15. CONTRACTOR SHALL CONTACT TRAFFIC OPERATIONS (857-8000) THREE (3) WORKING DAYS PRIOR TO DISTURBING SIGNAL EQUIPMENT.</p> <p>16. 30" VALVE INSTALLED WITHOUT A VALVE BOX OR VAULT. VALVE TO BE ABANDONED "OPEN" IN NEXT PHASE.</p> | | <p>CONTRACTOR
<i>Boyle</i></p> <p>INSPECTOR
<i>Boyle</i></p> <p>FIELD VERIFICATION BY
<i>C. Pedrini</i></p> <p>DATE
4/99</p> <p>MICRO-FILM INFORMATION
RECORDED BY
NO.</p> | | <p>"2-LIO" ACS ALUM. CAP SET FLUSH IN THE TOP OF CURB IN THE SOUTHEAST TRAFFIC ISLAND AT THE INTERSECTION OF NEW COORS BLVD. AND BRIDGE BLVD.</p> <p>MODIFIED LOCAL GROUND COORDINATES:
62192.915, 81408.692 (EL.=5033.25)</p> | | <p>DATE
12/96</p> <p>KOOGLER & POULS ENGINEERING, INC.
(505) 294-5051
JOB #4855</p> | | <p>NO.</p> | |  | | <p>DESIGNED BY
RCF</p> <p>DRAWN BY
CAL/CAM</p> <p>CHECKED BY
KWW</p> | | <p>DATE
1-30-97</p> <p>DATE
1-30-97</p> <p>DATE
5-08-97</p> | | <p>REVISIONS
DESIGN</p> | | <p>RECORD DRAWINGS
5/18/96</p> | | <p>DATE
1-30-97</p> | |
|  <p>Boyle Engineering Corporation
consulting engineers
Suite 600E
4900 CAMPAN ROAD
ALBUQUERQUE, NM 87105
(505) 883-7700</p> | | <p>CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
UTILITY DESIGN SECTION</p> | | <p>TITLE: ATRISCO TRUNK MASTER PLAN WATER LINE & GONZALES RD.
INTERCEPT RELIEF SANITARY SEWER LINE—PHASE I PLAN & PROFILE
WATER LINE STA. 99+00.00 TO STA. 110+50.00
SEWER LINE STA. 99+47.17 TO STA. 110+50.00</p> | | <p>Design Review Committee
</p> | | <p>City Engineer Approval
</p> | | <p>Mo./Day/Yr.</p> | | <p>Mo./Day/Yr.</p> | | <p>Sheet _____ of _____</p> | | <p>City Project No. 5431.91 L-10</p> | | | | | |



WATER VALVE SHUT-OFF PLAN

RECORD DRAWING

THIS IS A RECORD DRAWING OF THE FACILITIES IDENTIFIED IN THE TITLE BLOCK ONLY AND HAS BEEN PREPARED IN PART ON THE BASIS OF INFORMATION SUPPLIED TO THE BUREAU BY OTHERS. THE ENGINEER, ARCHITECT AND OTHER (S) WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSION (S) WHICH HAVE BEEN MADE. THE LOCATION OF THE FACILITIES SHOWN HEREON WILL VARY SOMEWHAT FROM THE CONDITIONS SHOWN HEREON AND AT SOME OF THESE PLACES WHEREAS MAY BE THE CASE OF THE PREVIOUS RECORD DRAWING. THE RECORD OF THE FACILITY SHOULD BE FILED LOCATED IN THE PRESENCE OF AN EMPLOYEE OF THE DISTRICT OR THE OWNER (S) OF THE UTILITIES INVOLVED.

GONZALES RD. CASE I WG. 2334), TYPE "A" VALVE E SHUT-OFF PLAN									
Mo./Day/Yr.					Mo./Day/Yr.				
Sheet					Of				
4					6				

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.

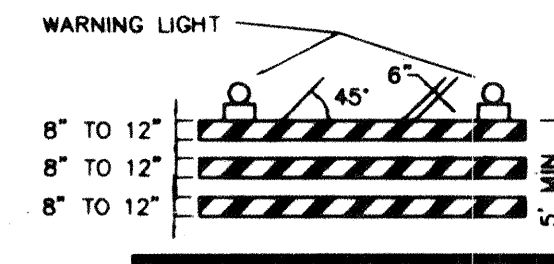
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC 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.

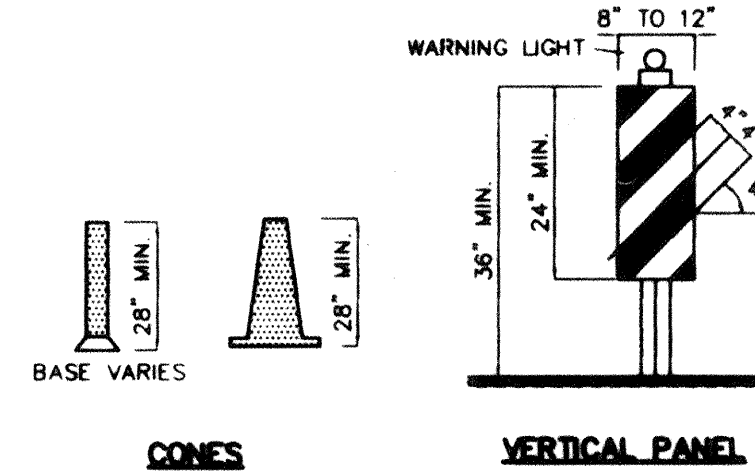
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

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.



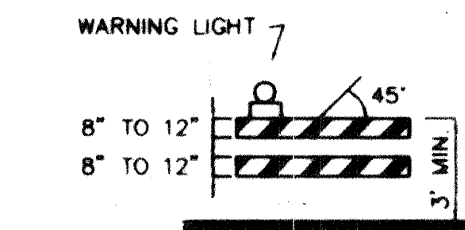
TYPE III BARRICADE



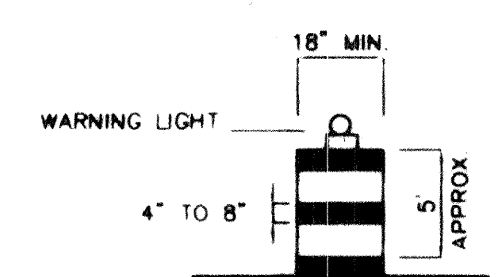
CONES

VERTICAL PANEL

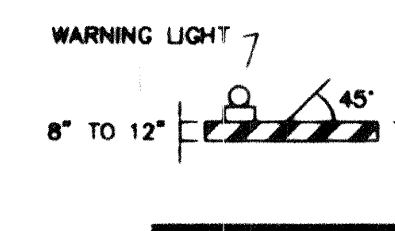
HIGH LEVEL WARNING DEVICE



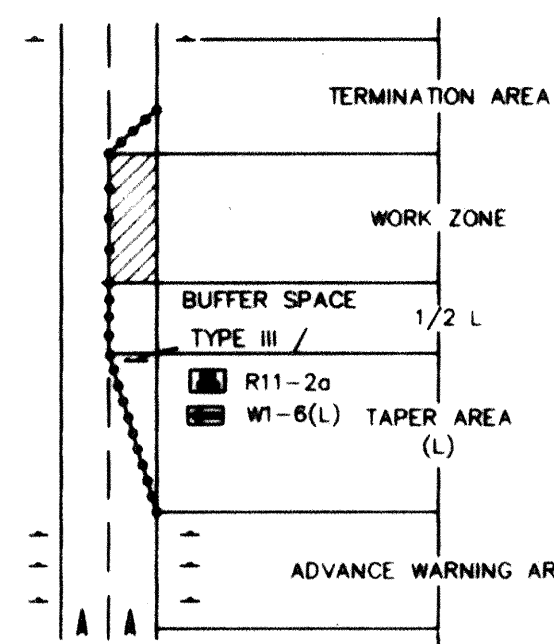
TYPE II BARRICADE COLLAPSIBLE



BARREL



TYPE I BARRICADE COLLAPSIBLE



TRAFFIC CONTROL ELEMENTS

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 PER HOUR	MINIMUM DISTANCE 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

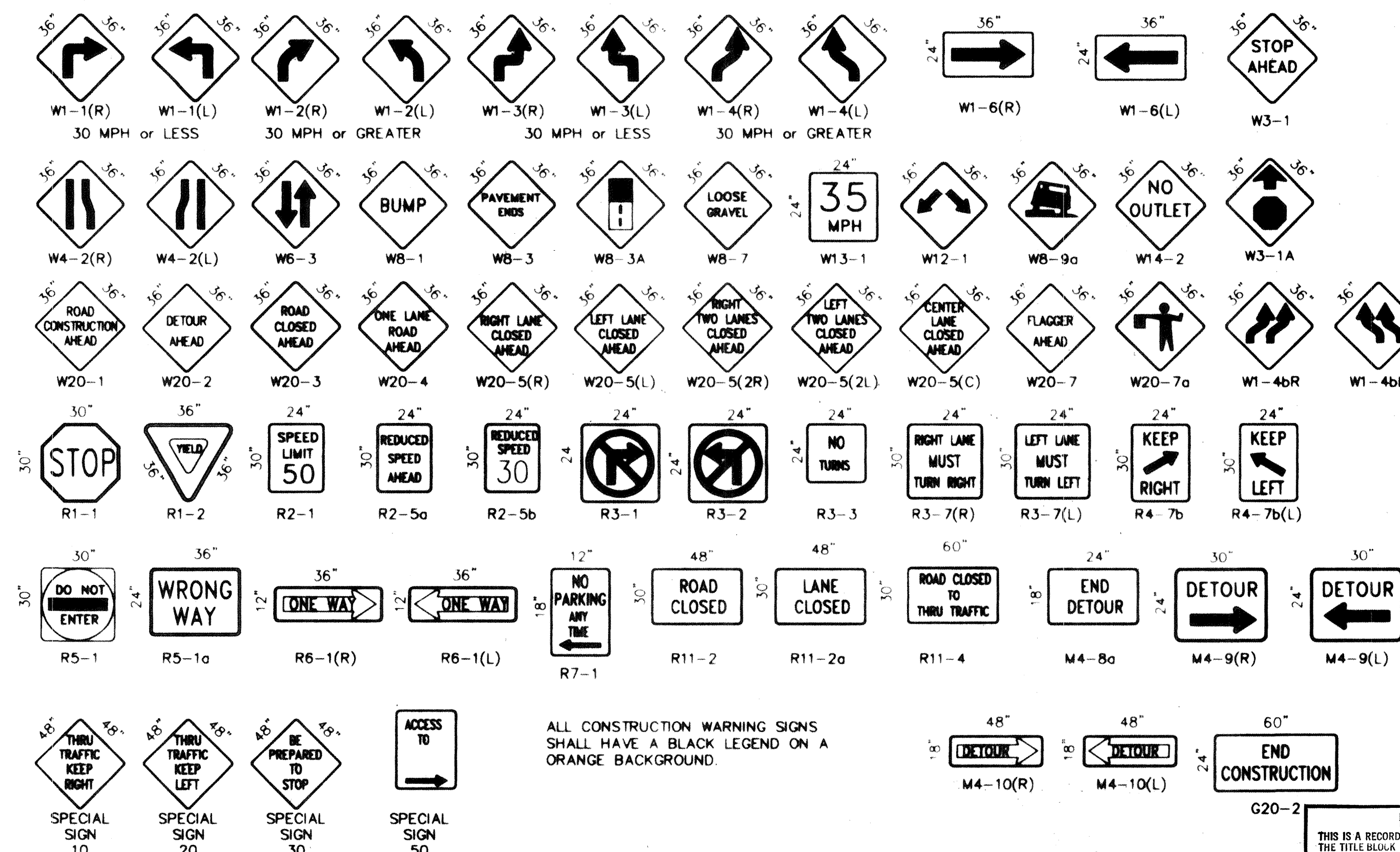
TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING 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	
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	

SIGN FACE DETAILS



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

5-18-98

RECORD DRAWING
THIS IS A RECORD DRAWING OF THE FACILITIES IDENTIFIED IN THE TITLE BLOCK ONLY AND HAS BEEN PREPARED IN PART ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINE, ARCHITECT AND OTHER (S) WILL NOT BE RESPONSIBLE FOR ANY ERRORS (S) OR OMISSION (S) WHICH HAVE BEEN IDENTIFIED IN A RECORD DRAWING. A RECORD DRAWING WILL VARY SOMEWHAT FROM THE CONDITIONS SHOWN HEREON AND AT SOME LOCATIONS THE VARIANCE MAY BE AS GREAT AS THE PRECISE LOCATION OF ANY FACILITY IS REQUIRED. THE FACILITY SHOULD BE FIELD LOCATED IN THE PRESENCE OF AN EMPLOYEE OF THE DISTRICT OR THE OWNER (S) OF THE UTILITIES INVOLVED.

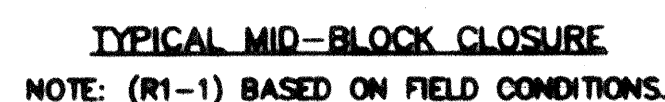
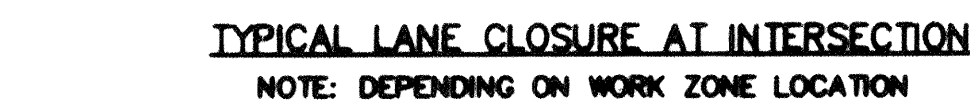
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST UPDATE	
		MO/DA/YR	
PROJECT NO.	5431.91	MAP NO.	SHEET 5 OF 6

SCANNED BY
MESA REPRO

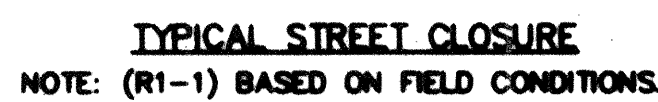


RECORD DRAWING

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NOTE: (R1-1) BASED ON FIELD CONDITIONS.



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CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP															
TITLE:															
TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. MUT.C.D.)															
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST UPDATE	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%; padding: 2px;">MO./DAY/YR</th> <th style="width: 50%; padding: 2px;">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										
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