

CONSTRUCTION PLANS  
FOR  
AVE Inc.  
INFRASTRUCTURE IMPROVEMENTS  
ALBUQUERQUE, NEW MEXICO

INDEX

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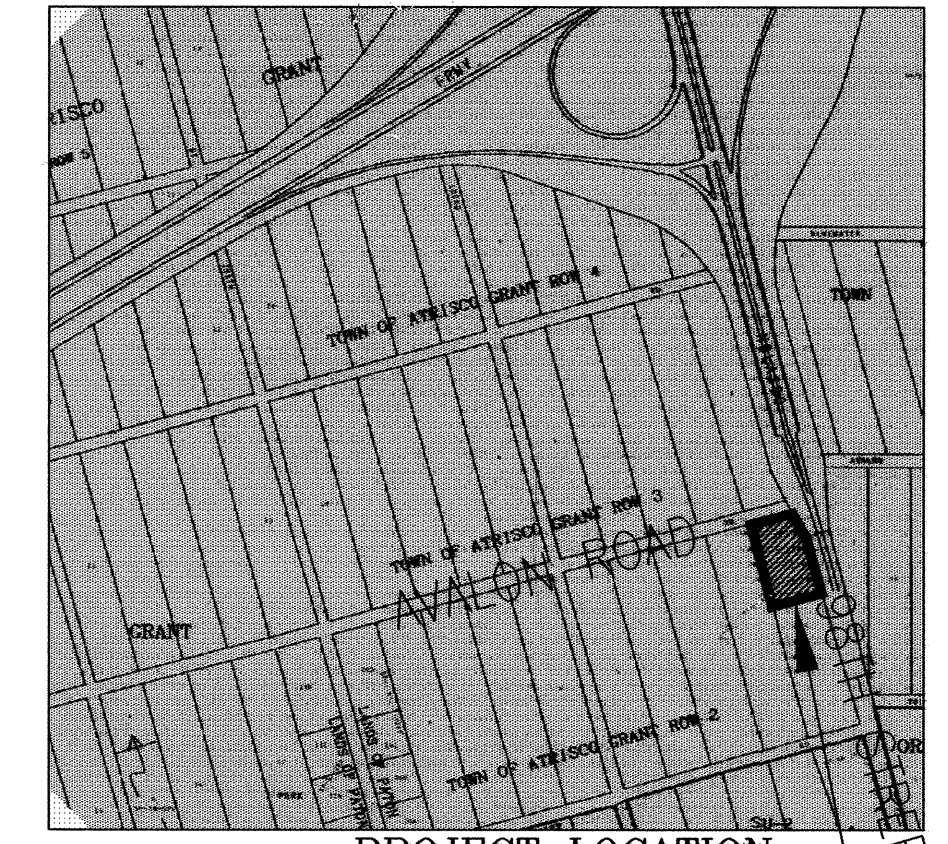
RECORD DRAWINGS

I, Gilbert Aldaz of the firm of Applied Engineering & Surveying, Inc., a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This certification is based on site inspections my me or personnel under my direction.

CAUTION:  
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS.

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 CITY ENGINEER.
- SIDEWALK AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED
- IF 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.
- THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGE AFTER APPROVAL BY THE CITY ENGINEER OR WORK COMPLETED BY THE CONTRACTOR.

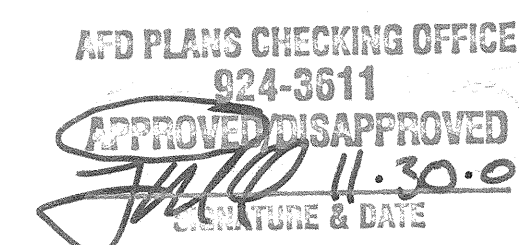


PROJECT LOCATION  
VICINITY MAP (K-09)

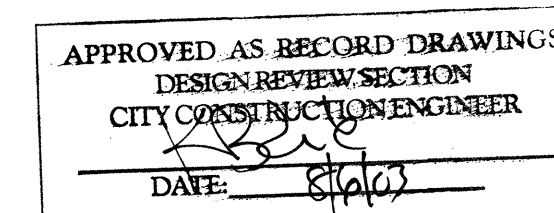
GENERAL NOTES

NOTICE TO CONTRACTORS

- CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.
- PRIOR TO ANY 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 THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.
- ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC. WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
- THE 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.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION CO-ORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION CO-ORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET
- WATER SHUTOFF REQUIREMENTS: THE CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. 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.



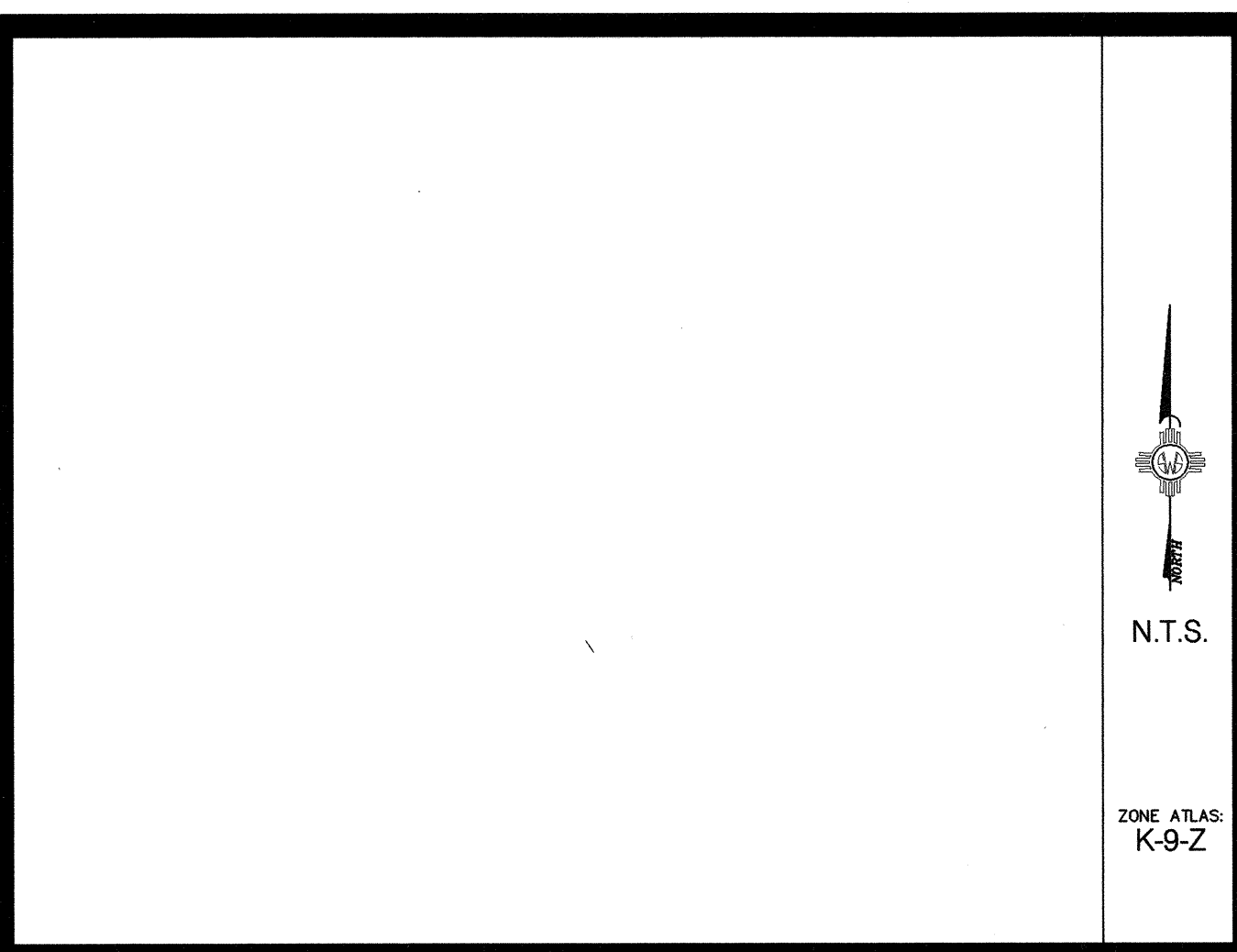
APPLIED Engineering & Surveying, Inc.  
1605 BLAIR DRIVE, NE  
ALBUQUERQUE, NEW MEXICO 87112  
PHONE (505)237-1456



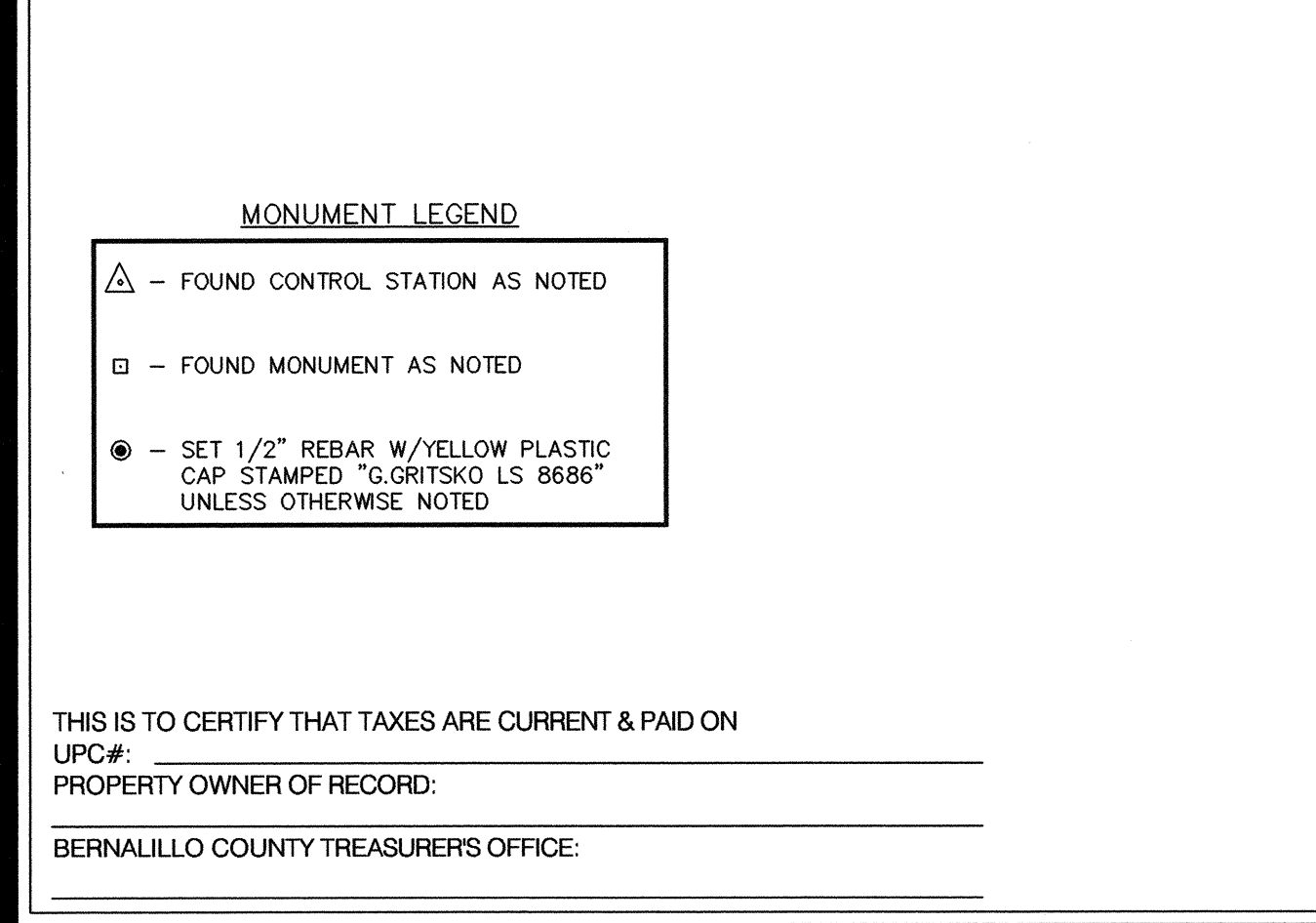
DRB No. 1000870

REV.	4, 5	DATE	7-10-03	USER DEPARTMENT	DATE	DATE
ENGINEERS STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION		
	DRC Chairman	<i>[Signature]</i>	2-8-02	<i>[Signature]</i> 2/4/03 City Engineer Date		
	Transportation	<i>[Signature]</i>	2-4-02			
	Water/Wastewater	<i>[Signature]</i>	1-28-2002			
	Hydrology	<i>[Signature]</i>	12-17-01			
	Parks	<i>[Signature]</i>	2-8-02			
CITY PROJECT No.	676281	Sheet	1	Of 7		





- Vicinity Map**
- SUBDIVISION DATA / NOTES**
- PLAT WAS COMPILED USING EXISTING RECORD DATA & ACTUAL FIELD SURVEY.
  - BEARINGS ARE NEW MEXICO STATE PLANE GRID BEARINGS, CENTRAL ZONE, NAD 1927, AND ARE BASED ON ACS CONTROL MONUMENTS 10-L9 AND 8-K9, AS SHOWN HEREON.
  - BEARINGS IN PARENTHESES ( ) ARE PER THE SURVEY PREPARED BY THOMAS W. PATRICK N.M.P.S. NO. 12651 ON AUGUST 30, 2000.
  - DISTANCES ARE GROUND DISTANCES.
  - PLAT SHOWS ALL EASEMENTS OF RECORD.
  - GROSS ACREAGE: 1.8503 ACRES
  - NUMBER OF EXISTING TRACTS/LOTS: ONE (1)
  - NUMBER OF TRACTS/LOTS CREATED: TWO (2)
  - PROPERTY CREATED BY WARRANTY DEED AS FILED APRIL 3, 1970 IN VOL. D875, PG. 99-100A
  - THE TWENTY (20) FOOT BY ONE-HUNDRED (100) FOOT PRIVATE ACCESS EASEMENT GRANTED BY THIS PLAT IS FOR THE BENEFIT AND USE, BY AND FOR THE OWNER(S) OF TRACT 1-B AND THE REMAINDER OF TRACT 1 AND IS TO BE MAINTAINED BY THE OWNER(S) OF TRACT 1-B.
- CURVE TABLE**
- | CURVE | LENGTH | RADIUS |
|-------|--------|--------|
| C1    | 39.27  | 25.00  |



**LEGAL DESCRIPTION:**

A certain tract of land being created by Warranty Deed filed April 3, 1970 in Volume D875, Pages 99-100a being the Northerly 389.00 feet of Tract 1, Unit 'A', Row 2 of the Atrisco Grant located in projected Section 21, Township 10 North, Range 2 East, N.M.P.M., Bernalillo County, New Mexico, less and excepting therefrom that portion in the northeast corner taken for right-of-way by the New Mexico State Highway and Transportation Department by Condemnation Suit filed in District Court as No. A-38244 on January 20, 1968; said subject property being more particularly described as follows:

BEGINNING at the northeast corner of said tract whence ACS control monument 8-K9 bears N 00°14'05" E, 724.20 feet distant, thence from said point of beginning along the west right-of-way line of 98th Street NW, S 27°12'29" E, 102.81 feet, thence S 14°59'00" E, 288.52 feet to the southeast corner, thence leaving said right-of-way S 75°01'00" W, 210.00 feet, thence N 14°59'00" W, 389.00 feet to the northwest corner a point on the south right-of-way of Avalon Road NW, thence along said right-of-way N 75°01'00" E, 188.23 feet to the point of beginning and containing 1.8503 acres more or less.

**FREE CONSENT**

THE UNDERSIGNED OWNER(S) AND PROPRIETOR(S) OF THE PROPERTY DESCRIBED HEREON DO HEREBY CONSENT TO THE PLATTING OF SAID PROPERTY AS SHOWN HEREON AND THE SAME IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THEIR DESIRES AND DO HEREBY REPRESENT THAT THE UNDERSIGNED INDIVIDUALS ARE AUTHORIZED TO SO ACT AND HEREBY DEDICATES STREET RIGHT-OF-WAY TO THE CITY OF ALBUQUERQUE IN FEE SIMPLE WITH WARRANTY COVENANTS.

OWNER(S) SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

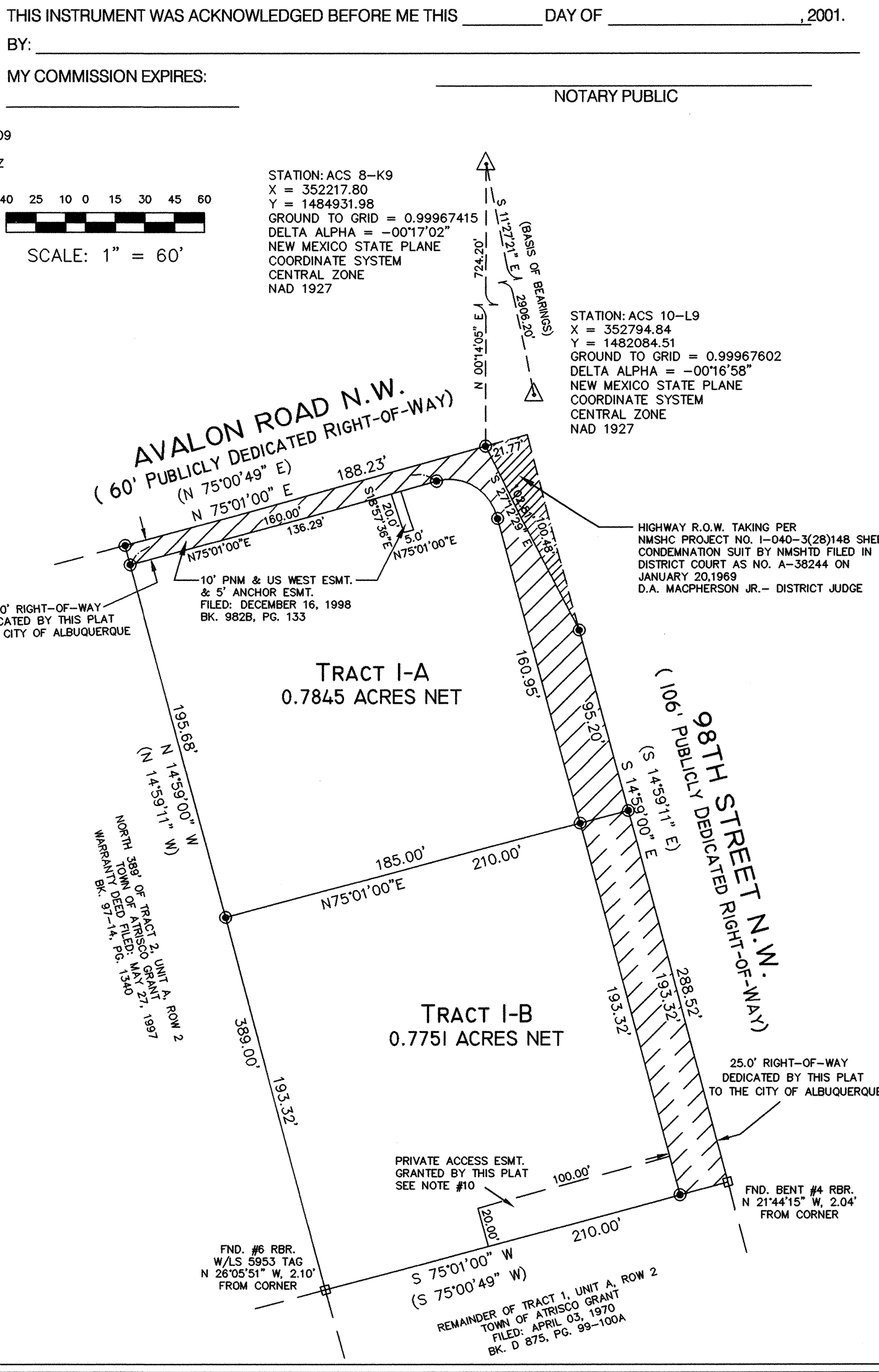
OWNER(S) PRINT NAME: \_\_\_\_\_ TRACT: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ )

COUNTY OF \_\_\_\_\_ )



**PLAT OF**

**TRACT 1-A & 1-B, UNIT A, ROW 2**

**TOWN OF ATRISCO GRANT**

**SITUATE WITHIN PROJECTED SECTION 21 ,**

**T. 10 N., R. 2 E., N.M.P.M.**

**CITY OF ALBUQUERQUE**

**BERNALILLO COUNTY, NEW MEXICO**

**AUGUST, 2001**

**SURVEYS SOUTHWEST LTD.**

333 LOMAS BLVD., N.E.  
ALBUQUERQUE, NEW MEXICO 87102

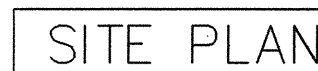
PHONE: (505) 998-0303  
FAX: (505) 998-0306

**T10N R2E SEC. 21**

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
Southwest Sur	8/6/03										
INSPECTOR'S	DATE										
FIELD	DATE										
VERIFICATION BY	DATE										
CORRECTED BY	DATE										
MICRO-FILM INFORMATION	DATE										
RECORDED BY	DATE										
NO.	DATE										
City Engineer: R. Rutledge											

APPLIED ENGINEERING AND SURVEYING, INC.		ENGINEERS AND PLANNERS		CITY OF ALBUQUERQUE		PUBLIC WORKS DEPARTMENT		ENGINEERING DEVELOPMENT GROUP	
TITLE: <b>SUBDIVISION PLAT</b>									
Design Review Committee		City Engineer Approval		Mo./Day/Yr.		Mo./Day/Yr.			
For Information Only									
City Project No.		Zone Map No.		Sheet		Of			
676281		K-09		2		7			

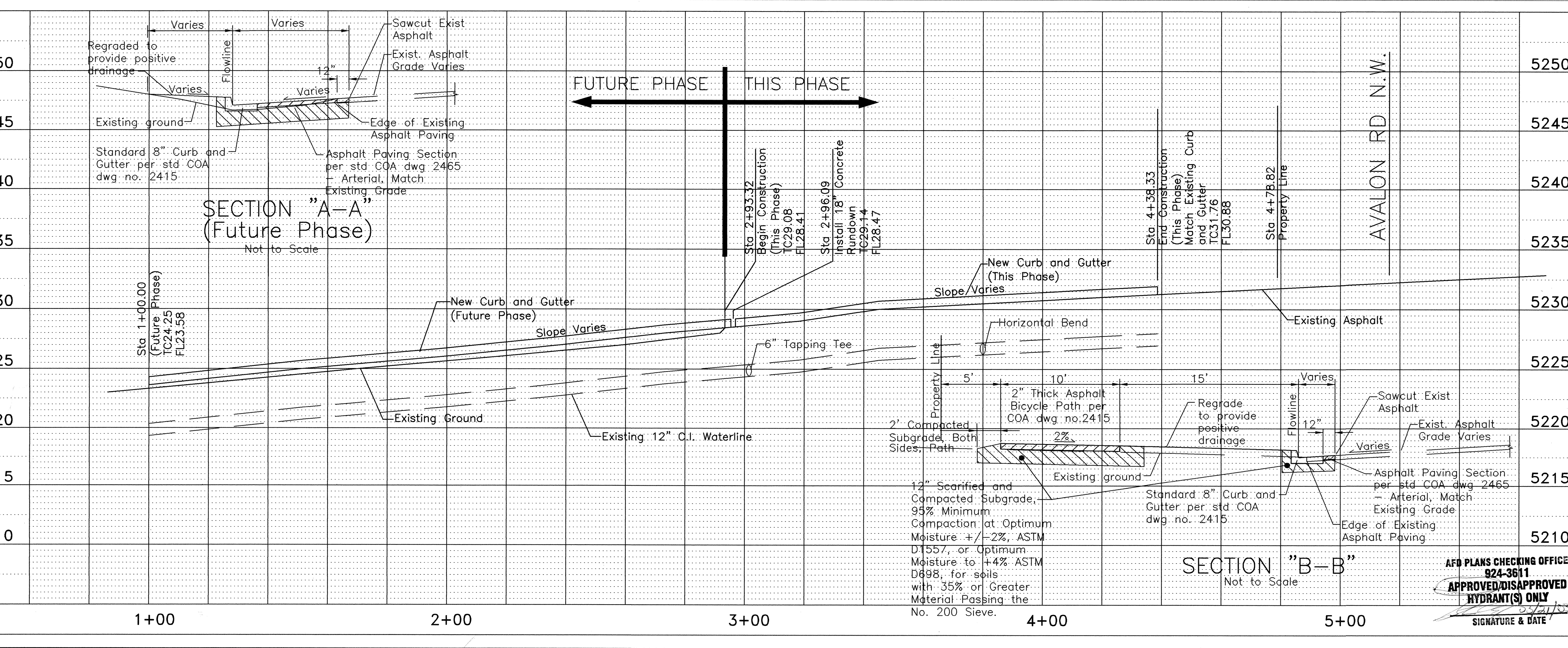
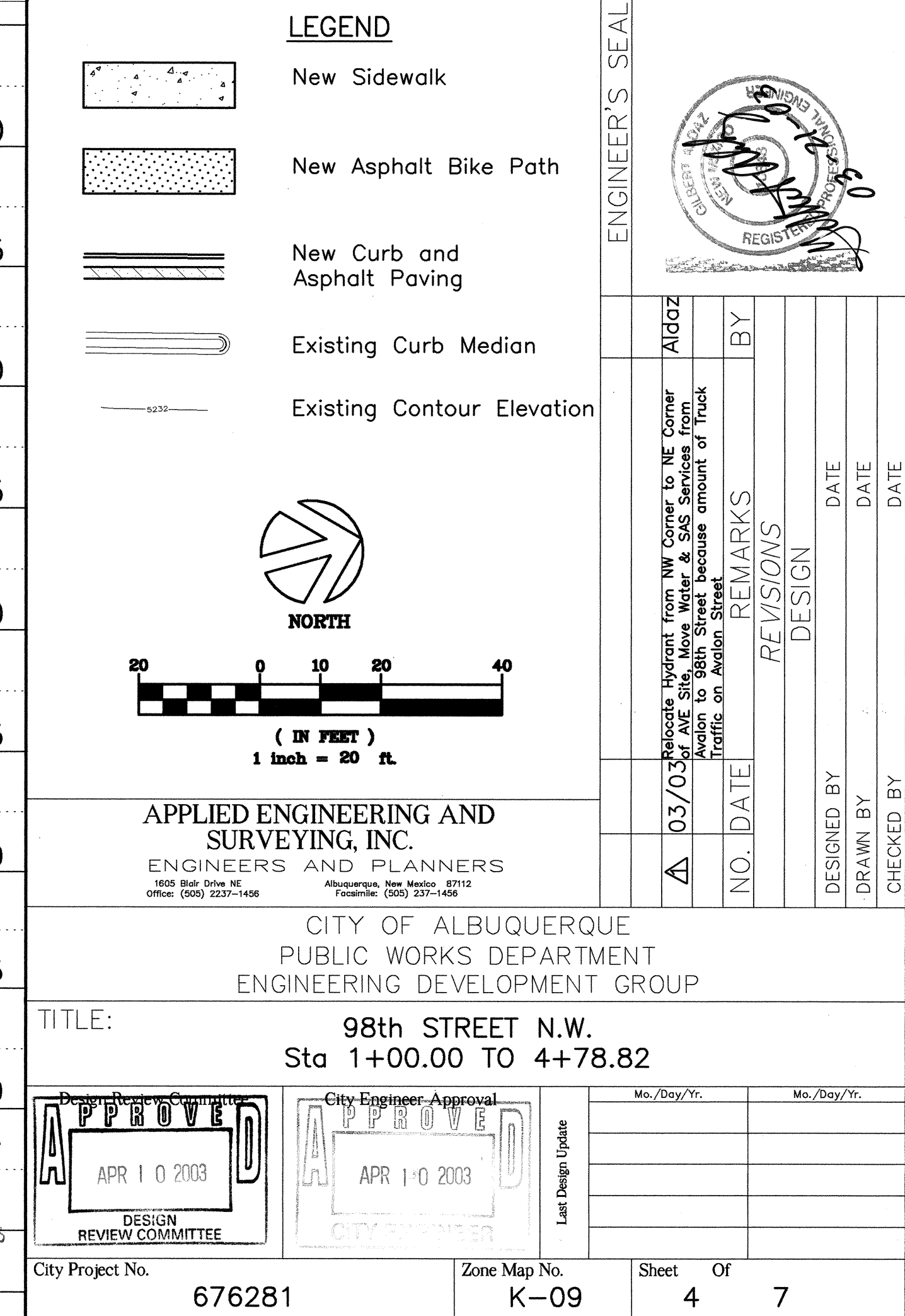
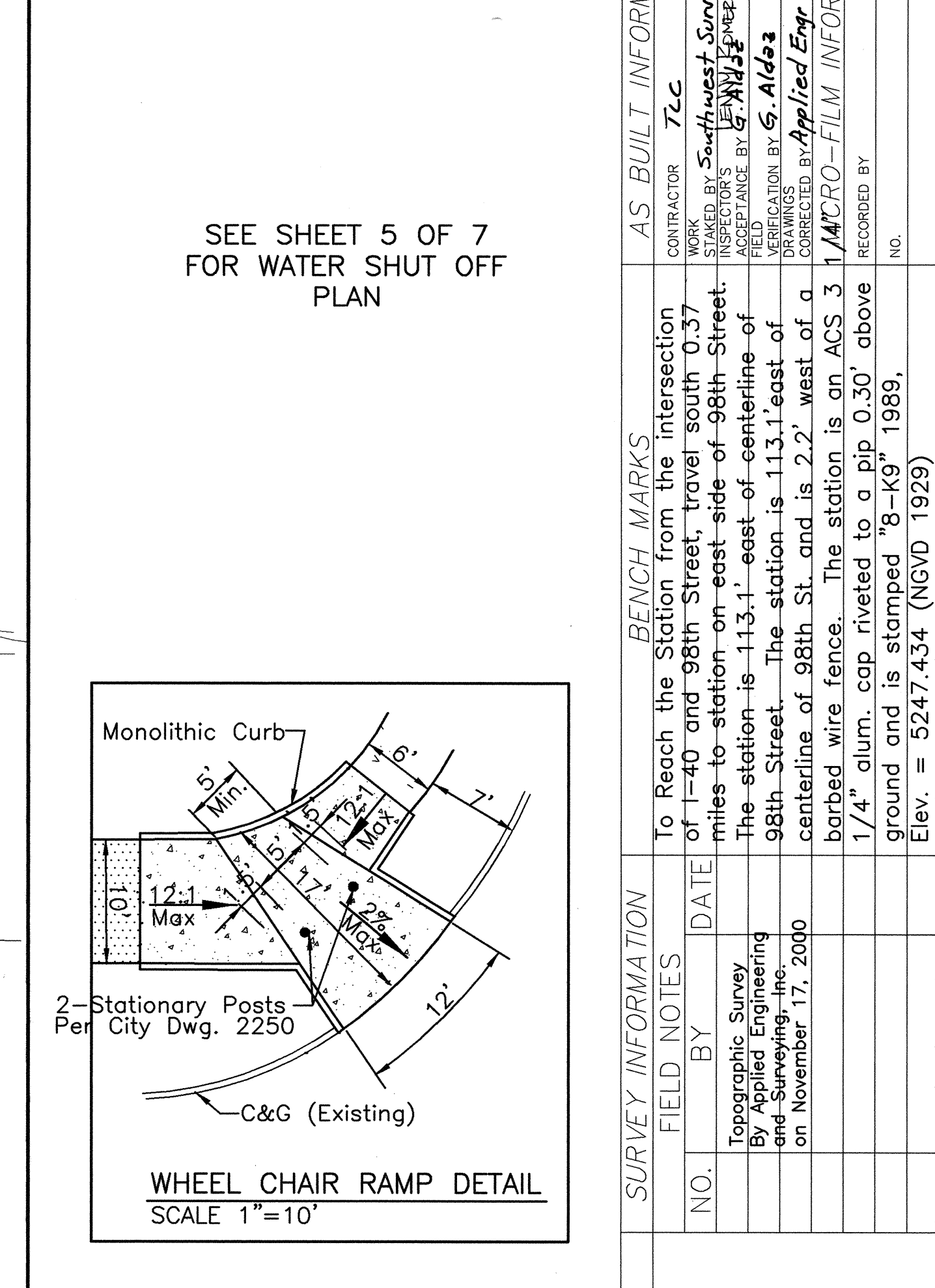




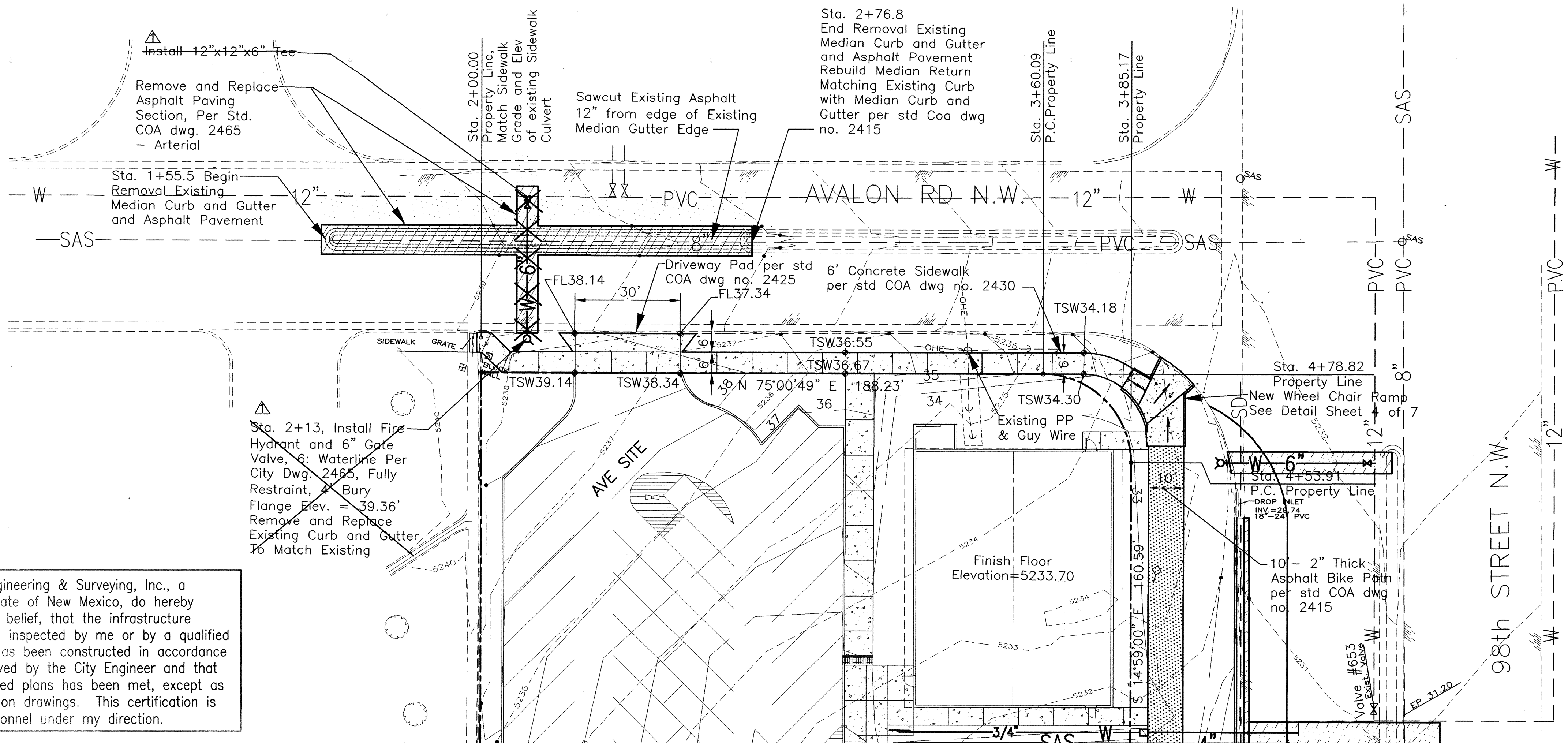
City Project No. **070001**



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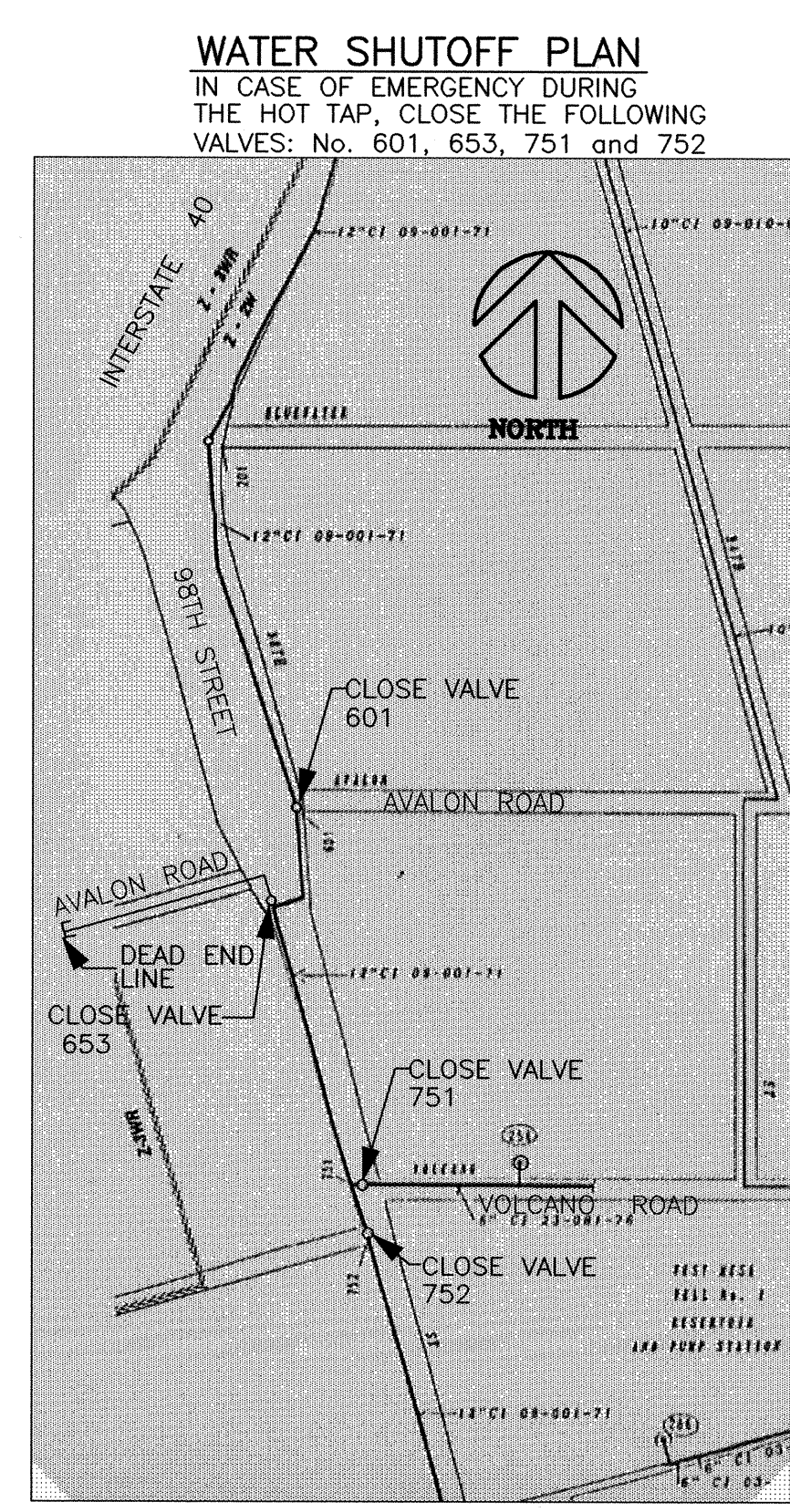
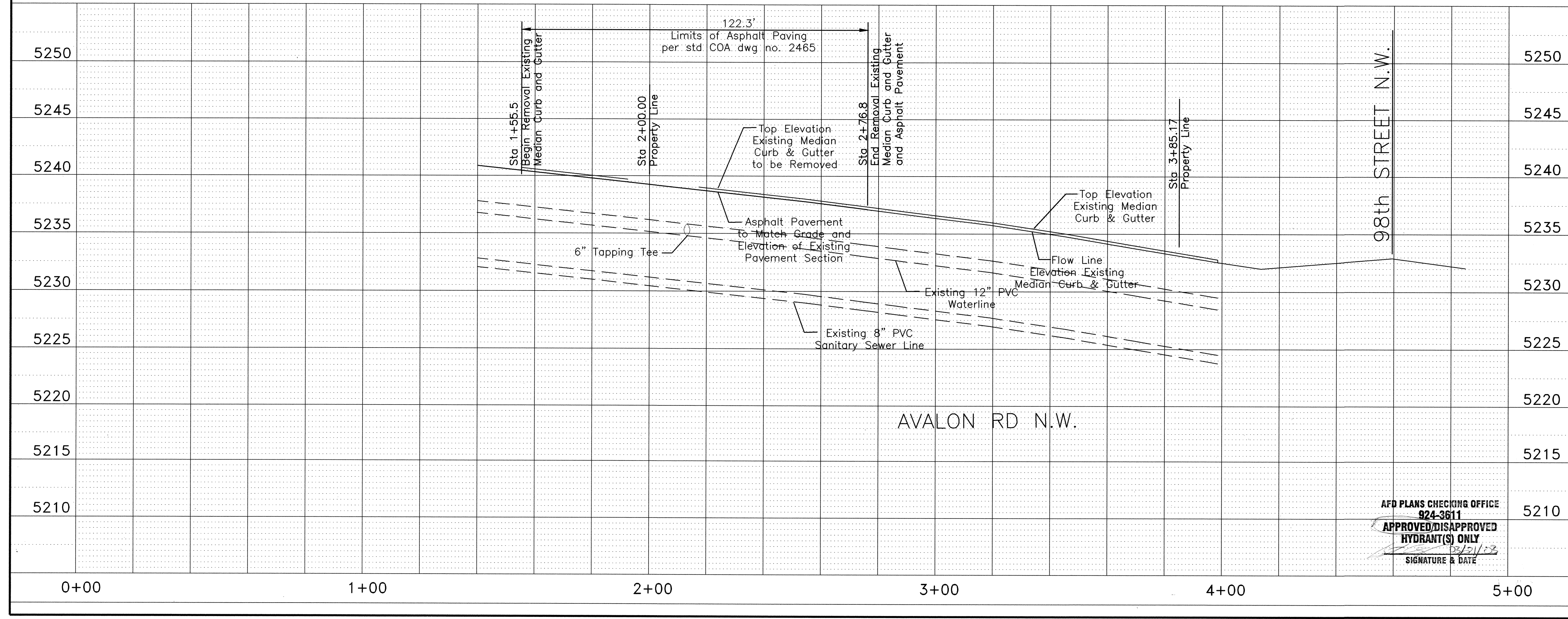






RECORD DRAWINGS

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**LEGEND**

- New Sidewalk
- New Asphalt Bike Path
- New Curb and Asphalt Paving
- Existing Curb Median
- Existing Contour Elevation

**ENGINEER'S SEAL**

**REVISIONS**

NO.	DATE	REVISIONS
1	03/03	Relocate Hydrant from NW Corner to NE Corner of AVE Site, Move Water & SAS Services from AVALON to 98th Street because amount of Truck Traffic on AVALON

**APPLIED ENGINEERING AND SURVEYING, INC.**  
ENGINEERS AND PLANNERS  
1605 Silver Drive NE, Albuquerque, NM 87112  
Office: (505) 223-1456 Fax: (505) 223-1456

**CITY OF ALBUQUERQUE**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

**TITLE:** AVALON RD. N.W. STA 0+00 TO 4+50

**DESIGN REVIEW COMMITTEE**  
APPROVED  
APR 10 2003  
DESIGN REVIEW COMMITTEE

**CITY ENGINEER**  
APPROVED  
APR 10 2003  
CITY ENGINEER

**City Project No.** 676281 **Zone Map No.** K - 09 **Sheet** 5 **Of** 7

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	TO REACH THE STATION FROM THE INTERSECTION OF 1-40 AND 98th STREET, TRAVEL SOUTH 0.37 MILES TO STATION ON EAST SIDE OF 98th STREET. THE STATION IS 113.1' EAST OF CENTERLINE OF 98th STREET. THE STATION IS 113.1' EAST OF CENTERLINE OF 98th ST. AND IS 2.2' WEST OF BARBED WIRE FENCE. THE STATION IS ON ACS 3 1/4" ALUM. CAP RIVETED TO A PIP 0.30' ABOVE GROUND AND IS STAMPED "8-K9" 1989, Elev. = 5247.434 (NGVD 1929)	DATE	NO.	BY	NO.	BY
Southwest Survey	4/03			Topographic Survey	4/03	Aldaz	
Inspector's Name	DATE			By Applied Engineering and Surveying, Inc.	4/03		
Field Date	DATE			on November 17, 2000	4/03		
Verification By	DATE				4/03		
Corrected By	DATE				4/03		
Recorded By	DATE				4/03		
No.					4/03		



## 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 SEPERATE 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. 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.

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.

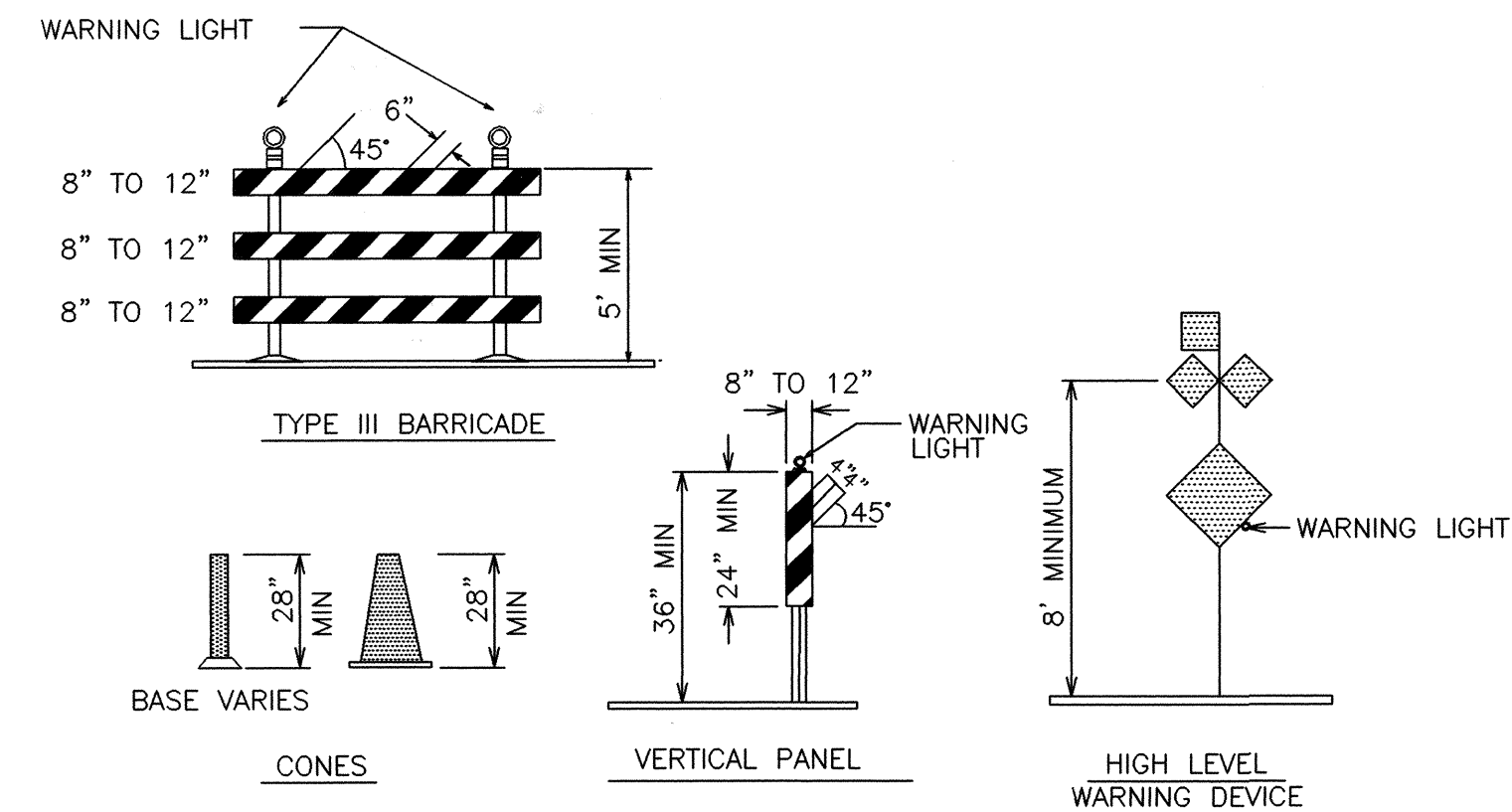
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION, WASHING OF EQUIPMENT IS INCIDENTAL TO 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" 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.



## 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 STREET LIMIT OF THE STREET  
TAPER LENGTH - SEE CHART BELOW

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

## TAPER REQUIREMENT

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

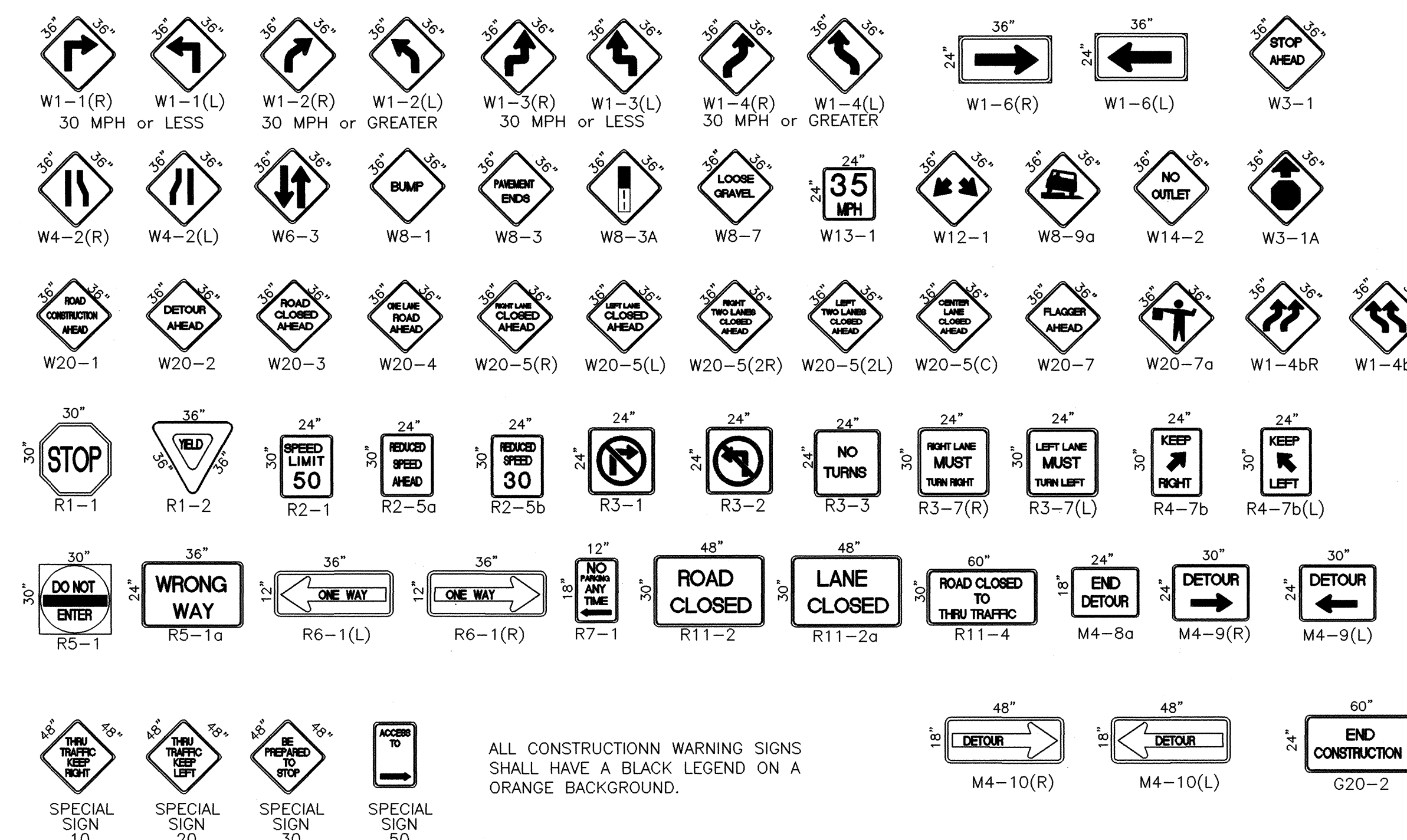
## TAPER CRITERIA

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

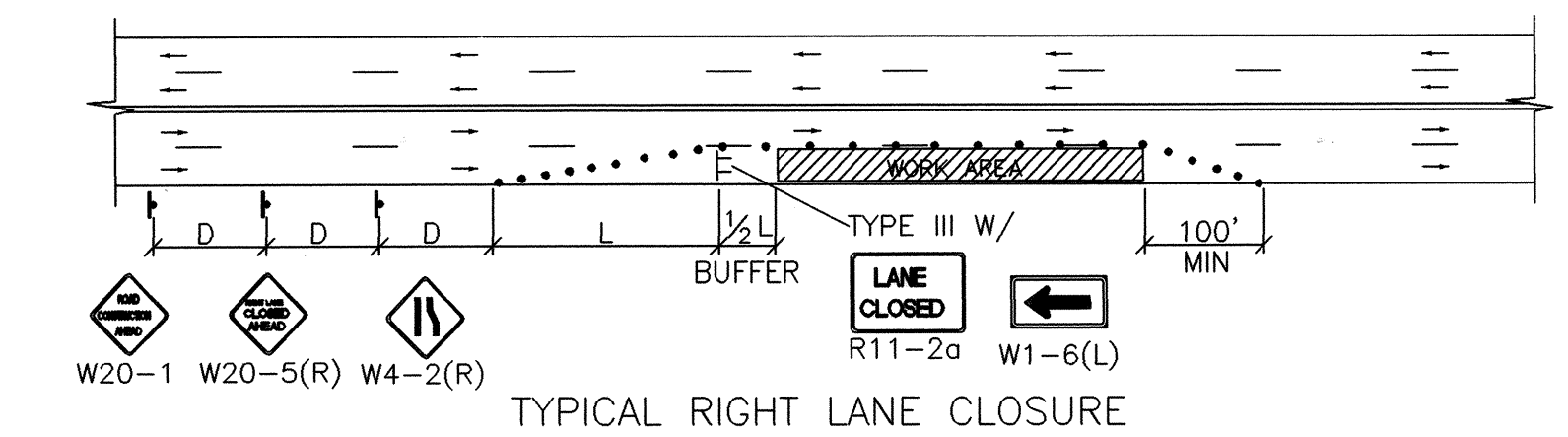
## TAPER LENGTH COMPUTATION

SPEED LIMIT	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
40 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	

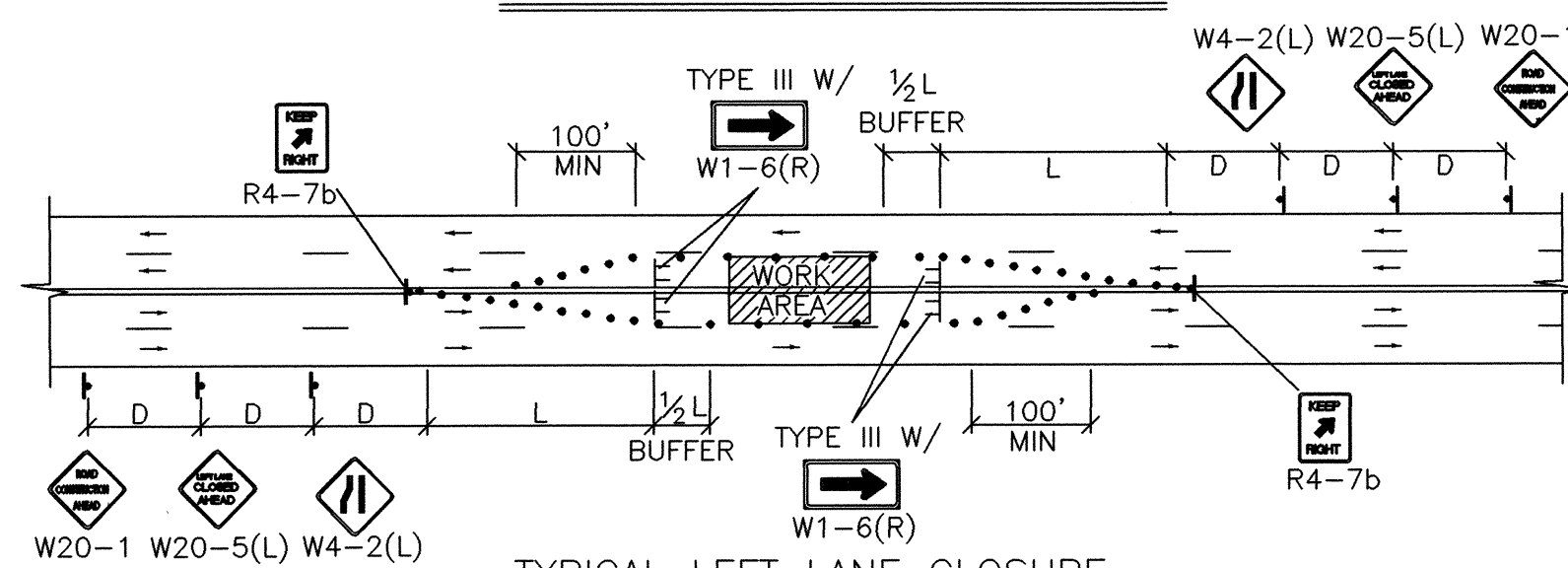
## SIGN FACE DETAILS



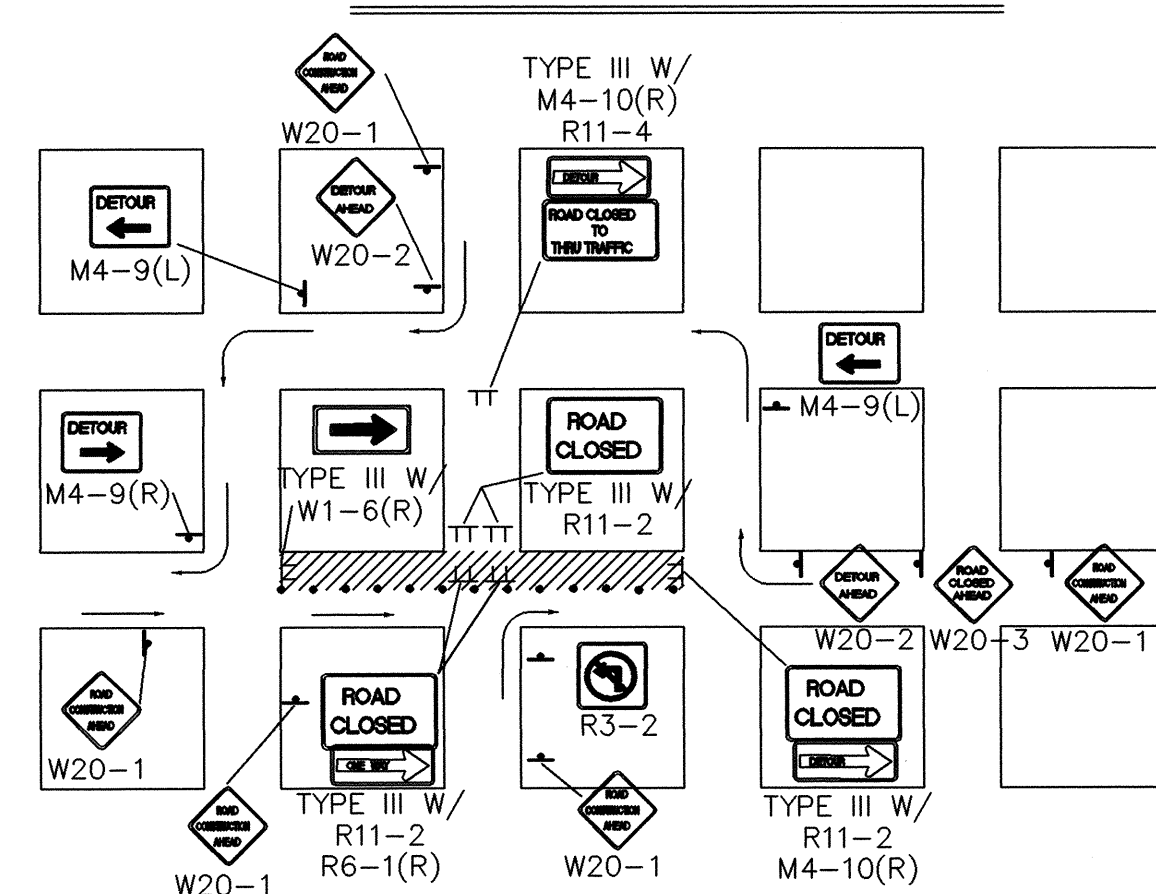




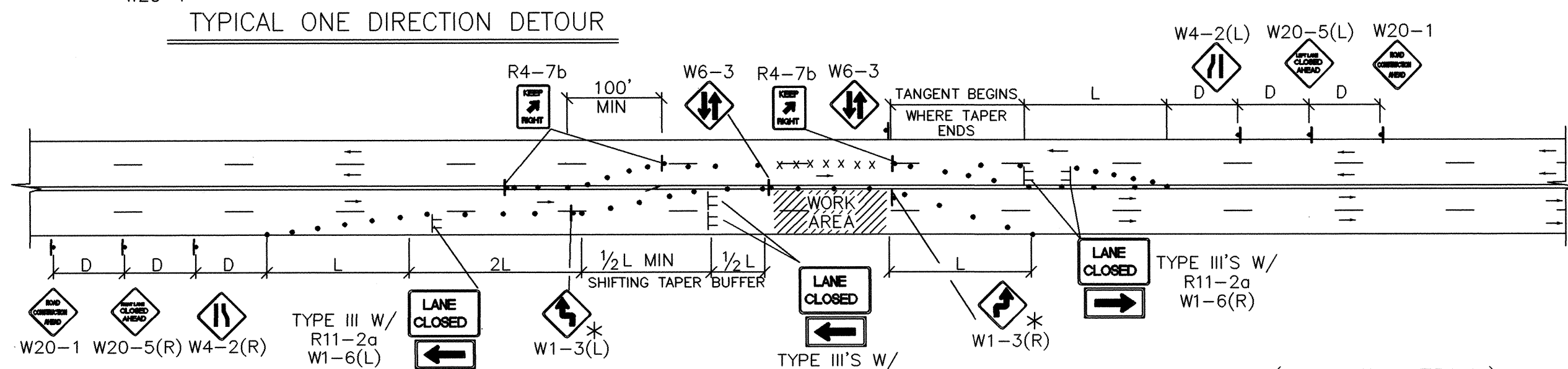
TYPICAL RIGHT LANE CLOSURE



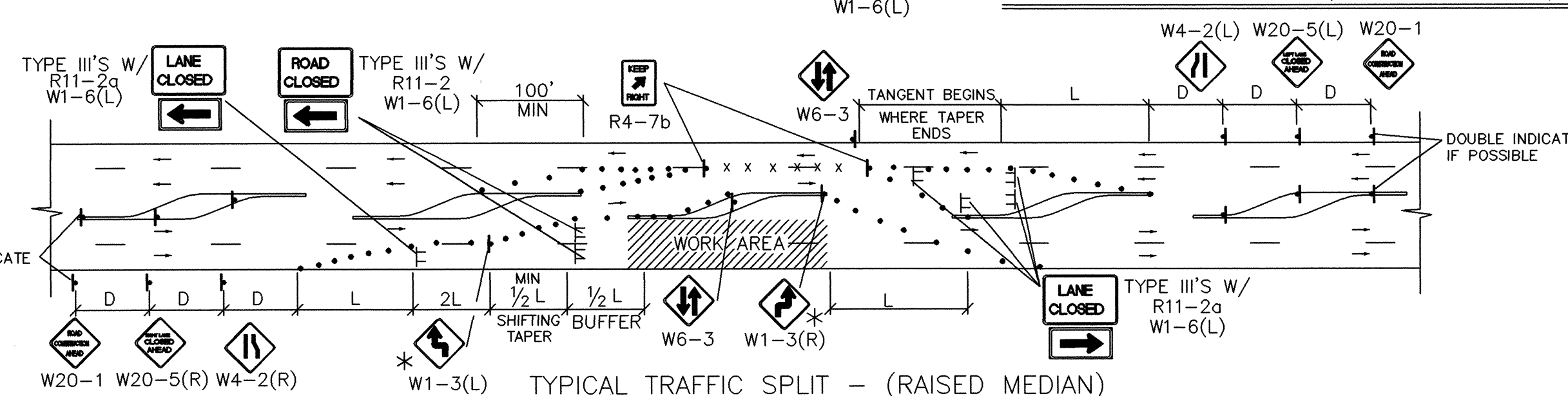
TYPICAL LEFT LANE CLOSURE



TYPICAL ONE DIRECTION DETOUR



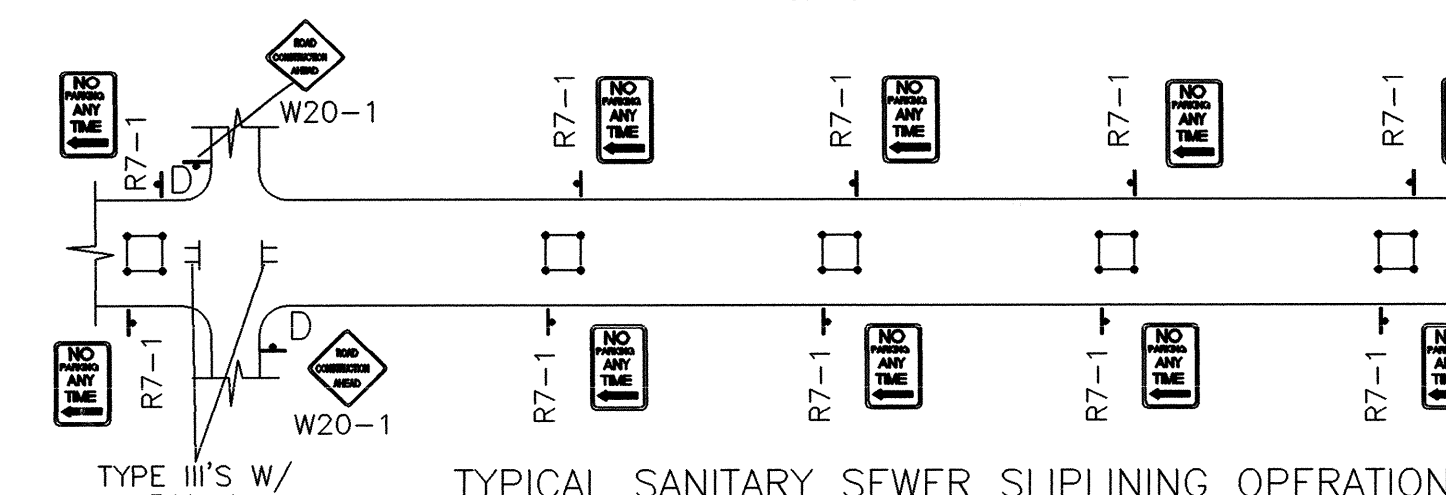
TYPICAL TRAFFIC SPLIT - (PAINTED MEDIAN)



TYPICAL TRAFFIC SPLIT - (RAISED MEDIAN)

TRAFFIC SPLIT NOTES:

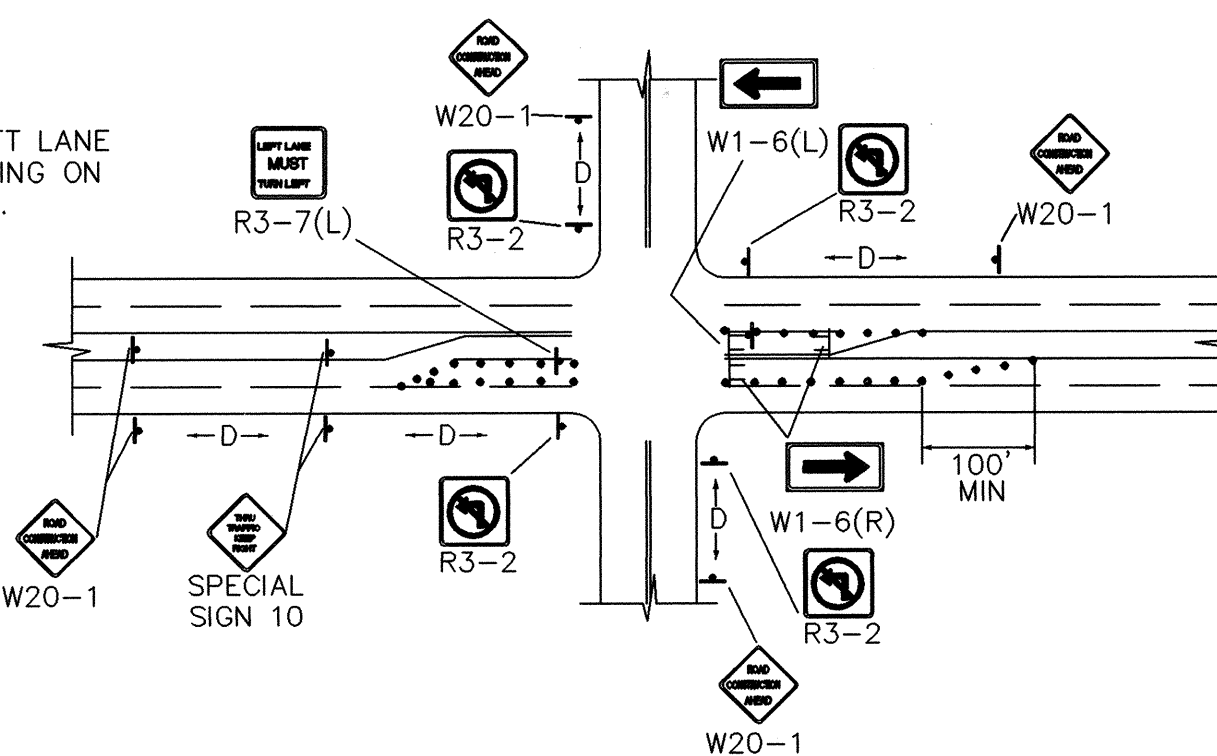
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPERS.
3. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
4. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 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.



TYPICAL SANITARY SEWER SLIPLINING OPERATION

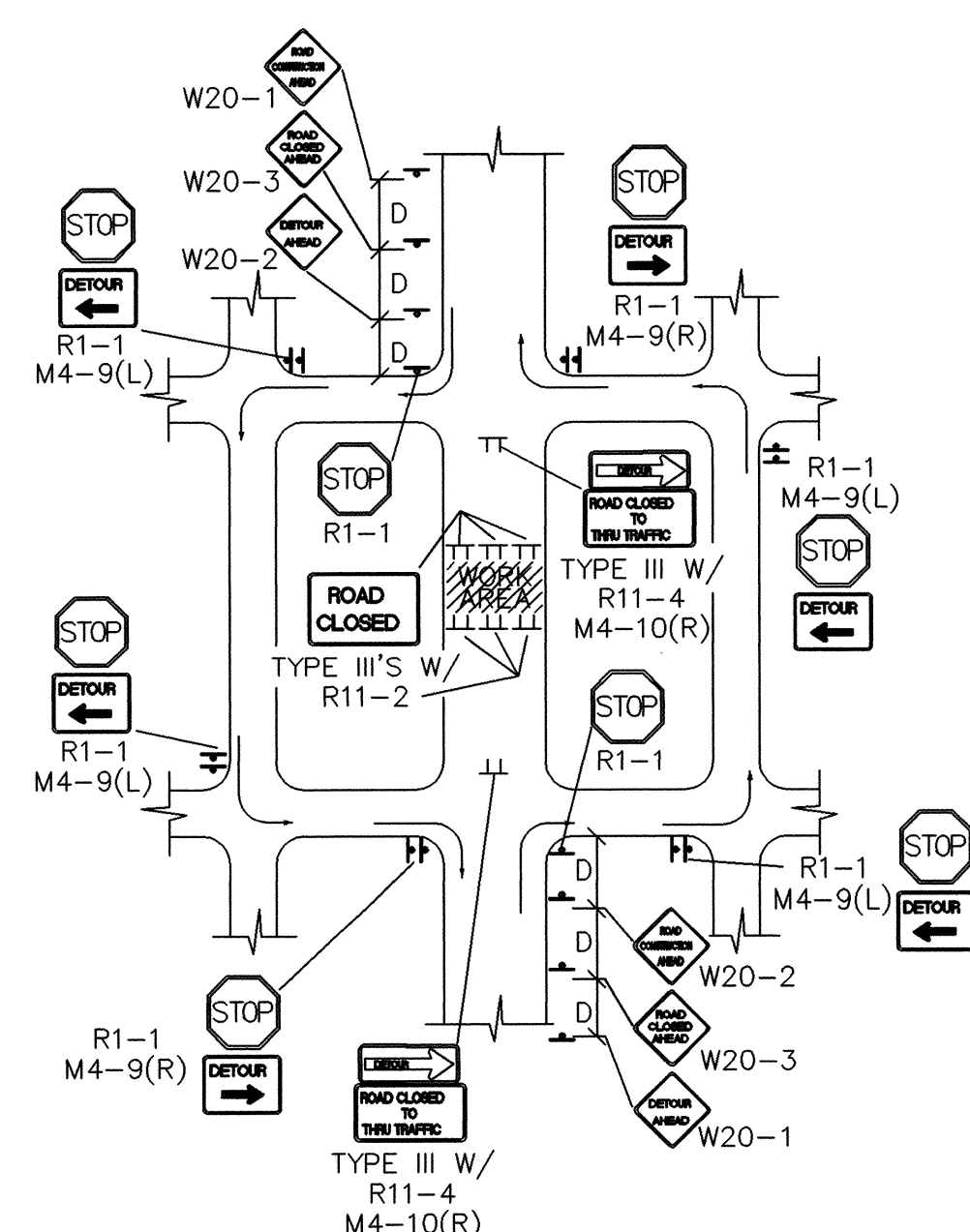
- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

NOTE:  
MAY REQUIRE LEFT LANE  
CLOSURE DEPENDING ON  
FIELD CONDITIONS.



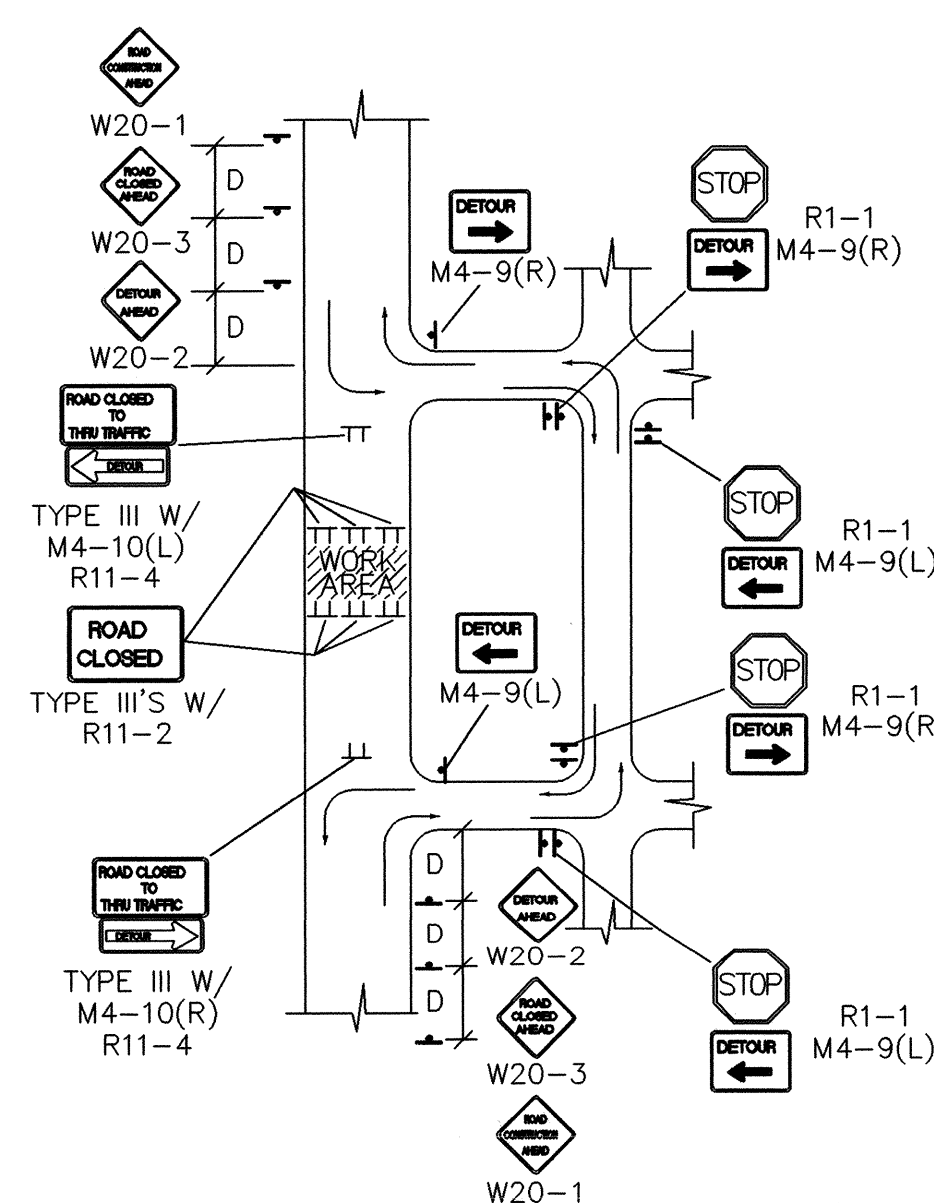
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION.



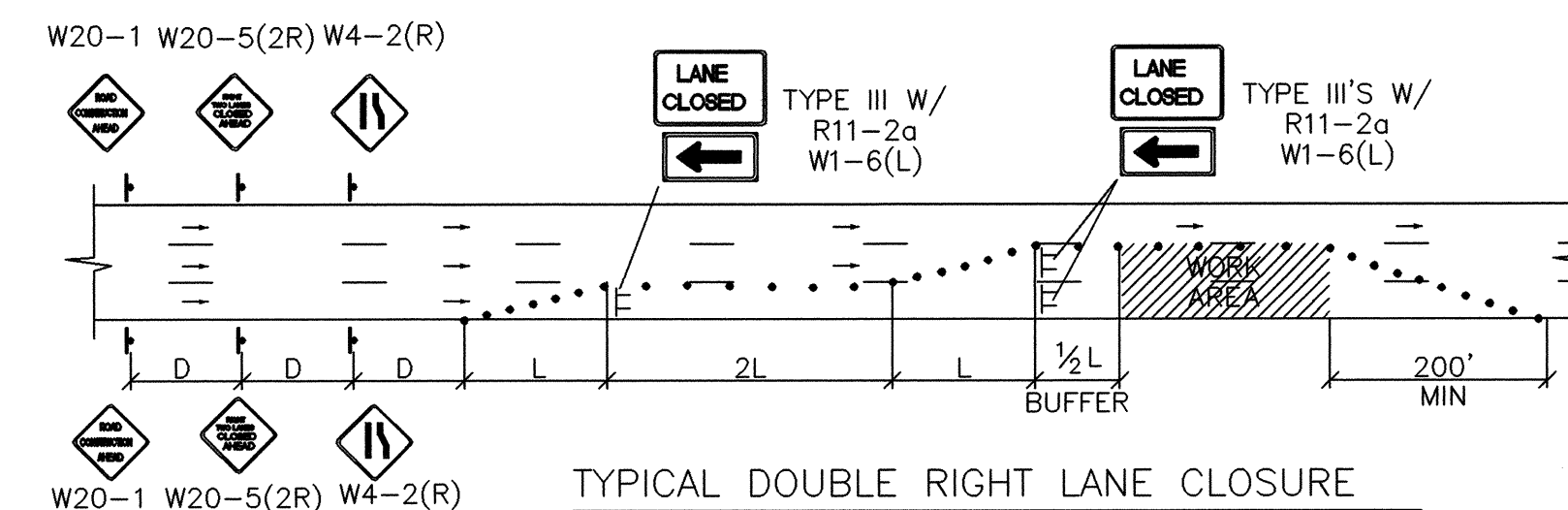
TYPICAL MID-BLOCK CLOSURE

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

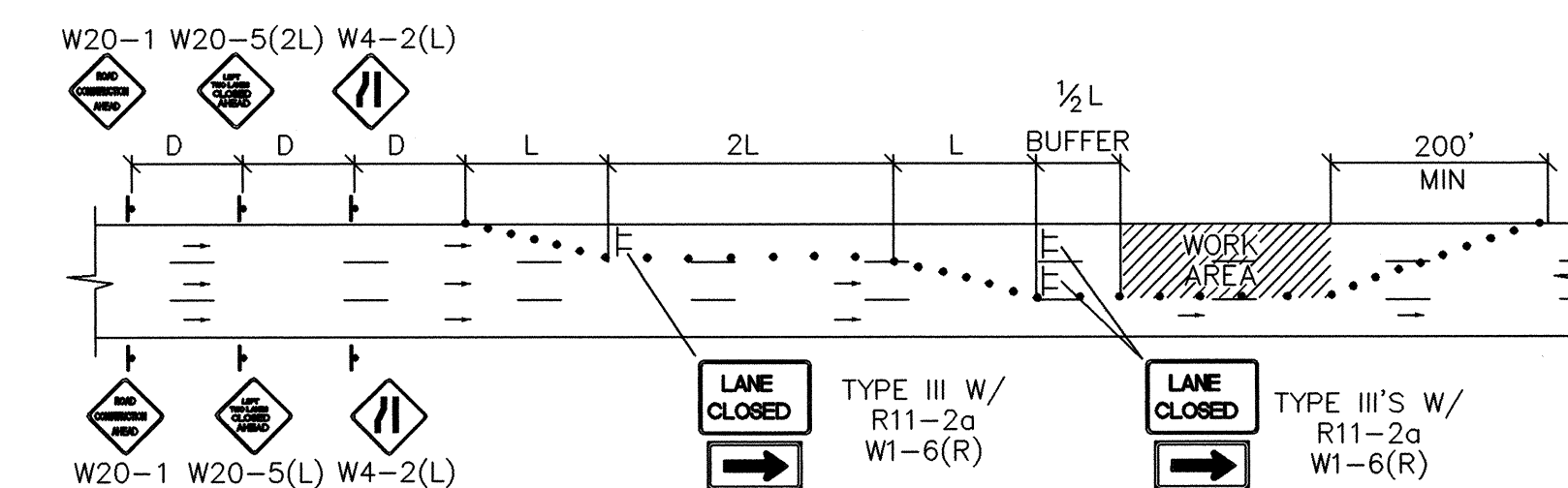


TYPICAL STREET CLOSURE

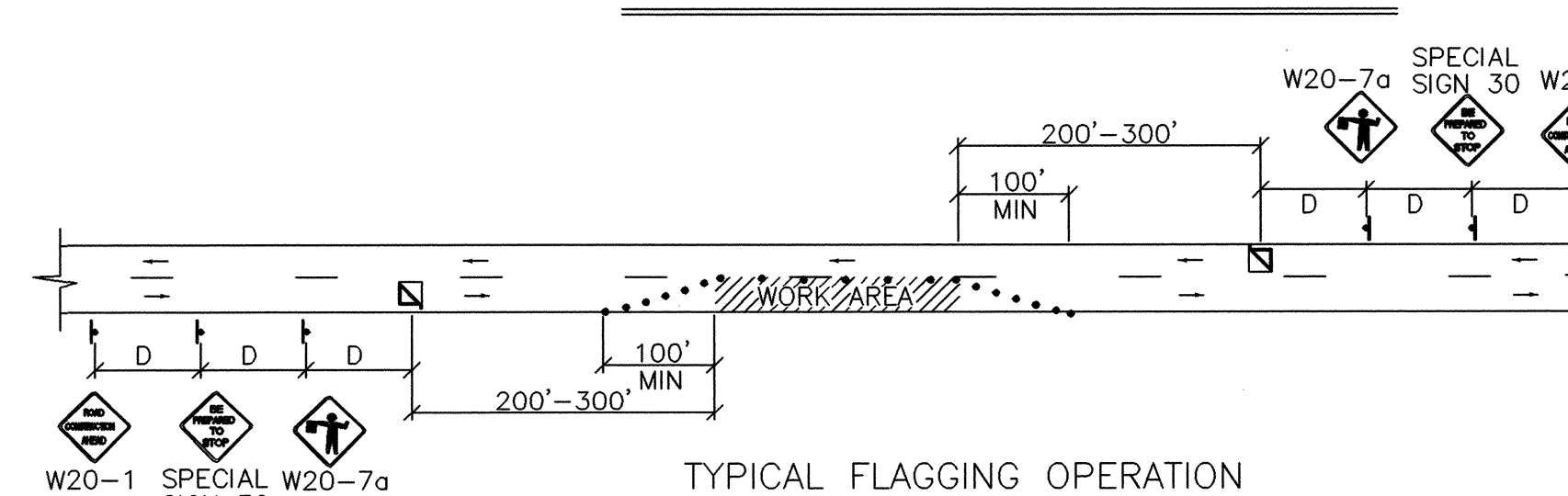
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



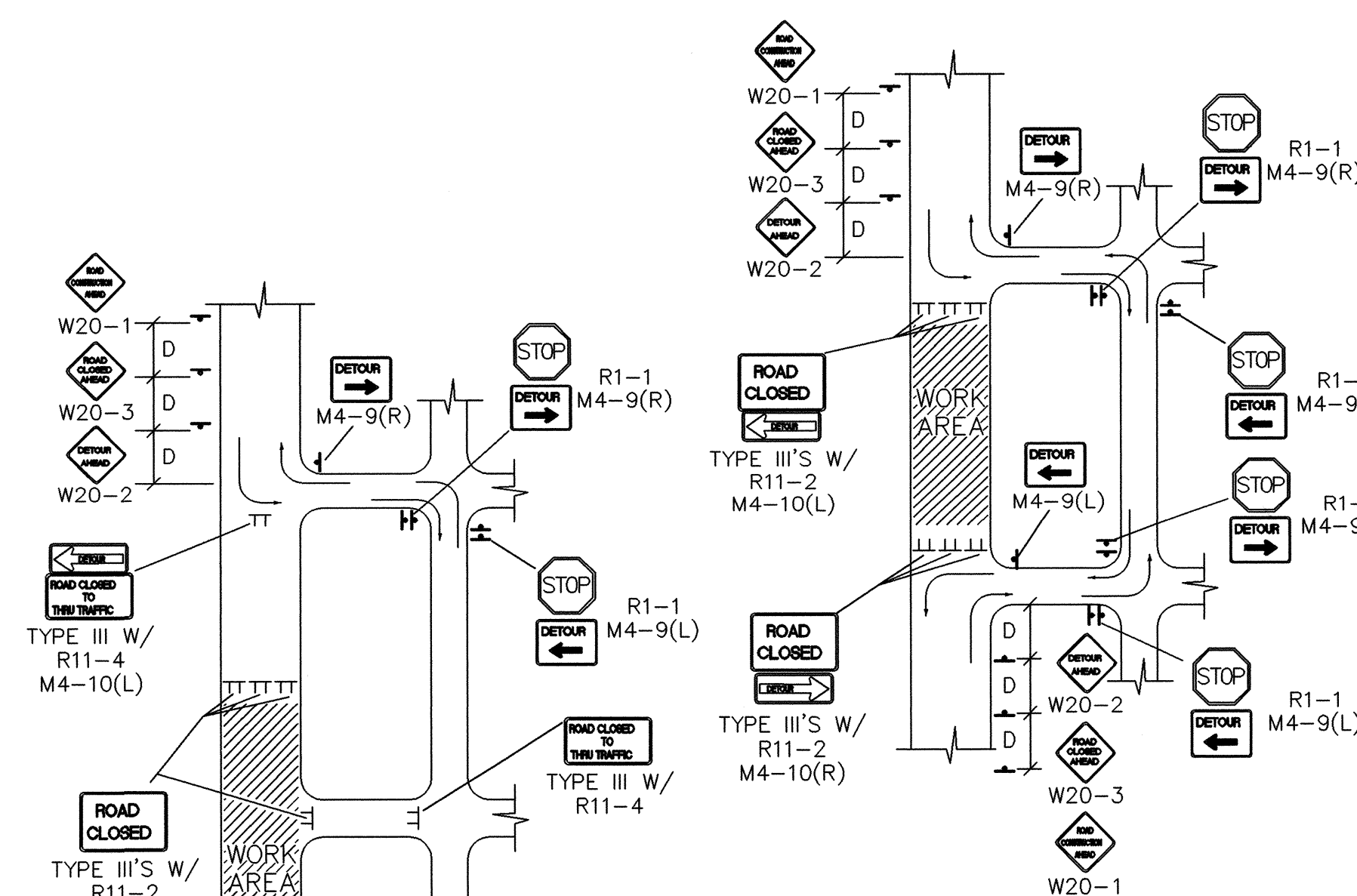
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE



TYPICAL FLAGGING OPERATION



TYPICAL STREET CLOSURE

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

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	TO REACH THE STATION FROM THE INTERSECTION	DATE	NO.	DATE	COA STD	
WORK BY	DATE	OF 1-40 AND 98th STREET, TRAVEL SOUTH 0.37	DATE	BY	DATE		
DESIGNED BY	DATE	MILES TO STATION ON EAST SIDE OF 98th STREET	DATE	NO.	DATE		
CHECKED BY	DATE	THE STATION IS 113.1' EAST OF CENTERLINE OF 98th STREET. THE STATION IS 113.1' EAST OF CENTERLINE OF 98th STREET AND IS 2.2' WEST OF 1/4" ALUM. CAP RIVETED TO A PIP 0.30' ABOVE GROUND AND IS STAMPED 5-93 1995.	DATE	NO.	DATE		
DESIGNED BY	DATE	REVISIONS	DATE	NO.	DATE	COA STD	
CHECKED BY	DATE	DESIGN	DATE	NO.	DATE		
DESIGNED BY	DATE	DESIGNED BY BOHANNAN HUSTON	DATE	NO.	DATE		
CHECKED BY	DATE	CHECKED BY BOHANNAN HUSTON	DATE	NO.	DATE		
CITY PROJECT NO. 676281		ZONE MAP NO. K-09		SHEET 7 OF 7			

CITY OF ALBUQUERQUE  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DEVELOPMENT GROUP

TITLE: TYPICAL TRAFFIC CONTROL  
SIGNING EXAMPLES (REF MUTCD)

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

LAST DESIGN UPDATE: \_\_\_\_\_

MO./DAY/YR. MO./DAY/YR.