
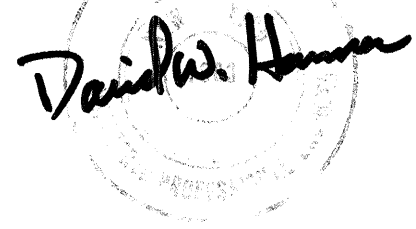
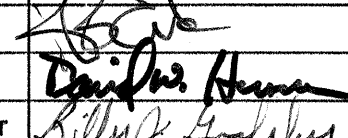
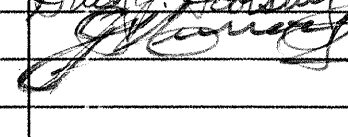
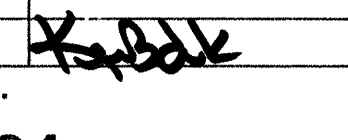
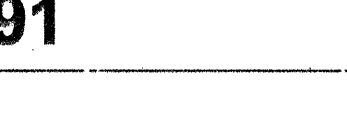

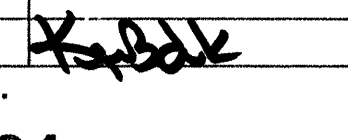


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING OPERATIONS
HIGHLAND MERCHANTS TRAFFIC CALMING PROJECT
HIGHLAND MERCHANTS NEIGHBORHOOD

DRAWING LIST

- 1 - TITLE SHEET
- 2 - OVERVIEW AND GENERAL NOTES
- 3 - MARQUETTE AVE INTERSECTION PLANS
- 4 - COPPER AVE INTERSECTION PLANS
- 5 - MISCELLANEOUS INTERSECTION PLANS
- 6 - DETAIL SHEET #1
- 7 - DETAIL SHEET #2
- 8 - DETAIL SHEET #3
- 9 - TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)
- 10 - SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

 CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT TRAFFIC ENGINEERING OPERATIONS					
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****
		DRC Chairman		8/24/01	APPROVED FOR CONSTRUCTION
		Transportation		5/13/01	
		Water/Wastewater		2/22/01	
		Hydrology		2/16/00	
		Parks			
		Constr. Mngmt.		2/28/01	
		City Project No.	652191		Sheet 1 of 10

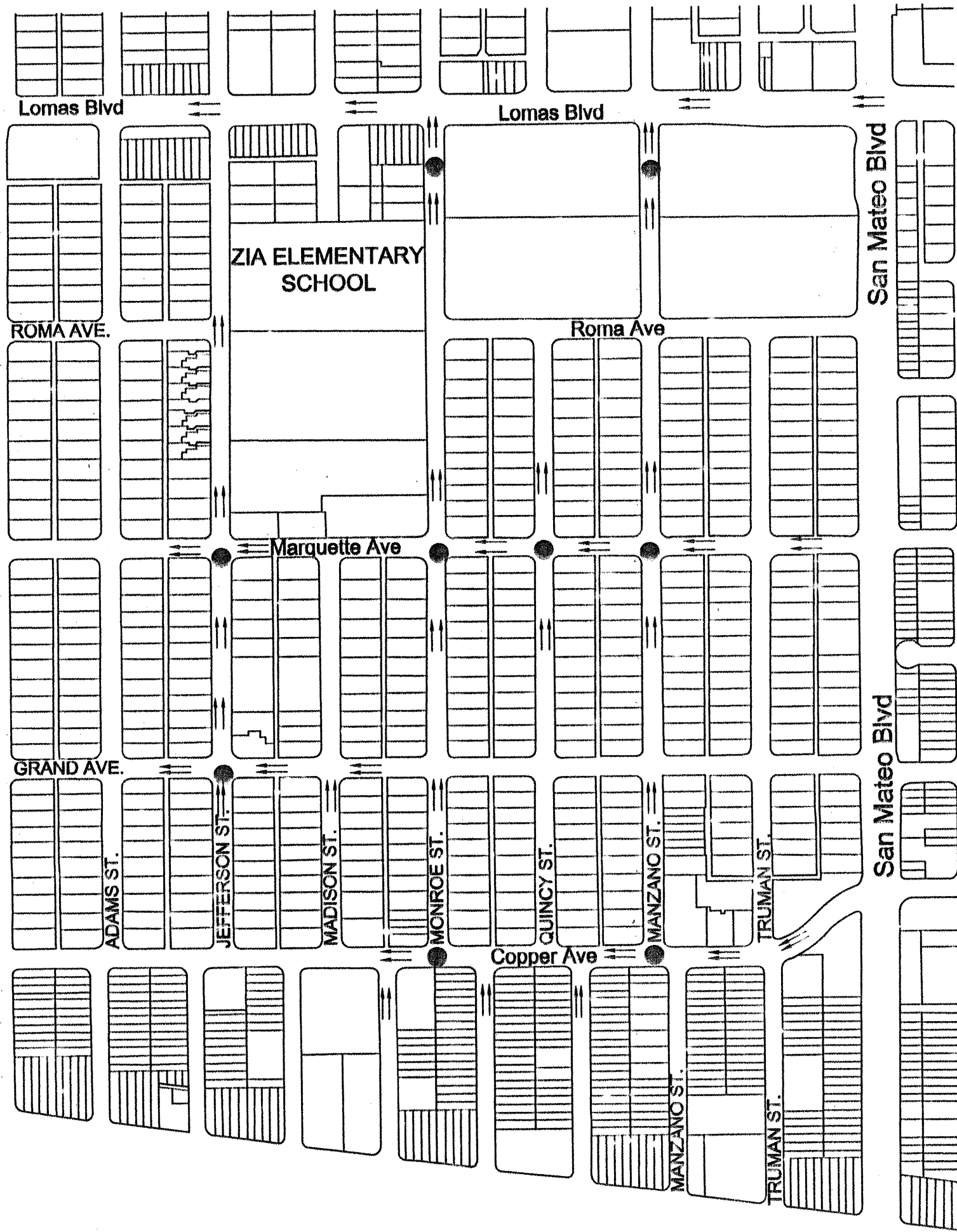
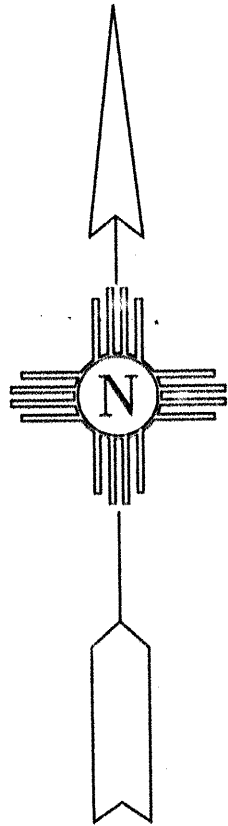
NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE DRAWINGS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 (INCLUDING UPDATES 1 THRU 6) AS HEREBY REFERRED TO AS THE SPECIFICATIONS. REFERENCES MADE TO STANDARD DRAWINGS IMPLY THAT SECTION OF THE SPECIFICATIONS WHICH INCLUDES MISCELLANEOUS STANDARD DETAILS.
2. LOCATIONS OF UTILITIES ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE IN THE FIELD.
3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ALL UTILITIES EXPOSED DURING CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE TO ALL UTILITIES, INCLUDING SERVICE LINES.
4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ANY CONFLICTS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING 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 CONSTRUCTION COORDINATOR (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET, AS PER COA STANDARDS.
7. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) WORKING 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 ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION 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.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO TRAFFIC CONDUITS AND DETECTORS.
9. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVE PADS, HANDICAP RAMPS, AND SIDEWALKS DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE PER CITY OF ALBUQUERQUE STANDARDS AT CONTRACTOR'S EXPENSE.
10. NO BARRIERS, BOLLARDS, OR DIVERTER IMPROVEMENTS SHALL BE PLACED OVER STORM DRAIN MANHOLES, SANITARY MANHOLES, WATER VALVES, OR ANY UNDERGROUND UTILITY LINE.

GENERAL NOTES

- QUESTIONS SHOULD BE DIRECTED TO NATHAN BEAUHEIM OR TOM MENICUCCI AT CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS, 857-8680.
- ALL SIGNAGE AND MARKINGS TO BE INSTALLED IN ACCORDANCE WITH MUTCD SPECIFICATIONS.
- ALL PORTLAND CEMENT CONCRETE FOR PAVEMENT, DRIVEPADS, CURB & GUTTER SECTIONS, VALLEY GUTTERS, SANITARY SEWER STRUCTURES, AND SANITARY SEWER MANHOLE BASES TO BE 4000 PSI FLY ASH. ALL PORTLAND CEMENT CONCRETE FOR EXTERIOR STRUCTURES, EXTERIOR SLAB ON GRADE (SIDEWALKS, STEPS), STORM DRAIN MANHOLE BASES AND MISCELLANEOUS CONCRETE TO BE 3500 PSI FLY ASH. REFER TO SECTION 101 OF THE SPECIFICATIONS.

TRAFFIC Engineering crews will install all signs.



LOCATION PLAN
FROM ZONE MAP K17

LEGEND

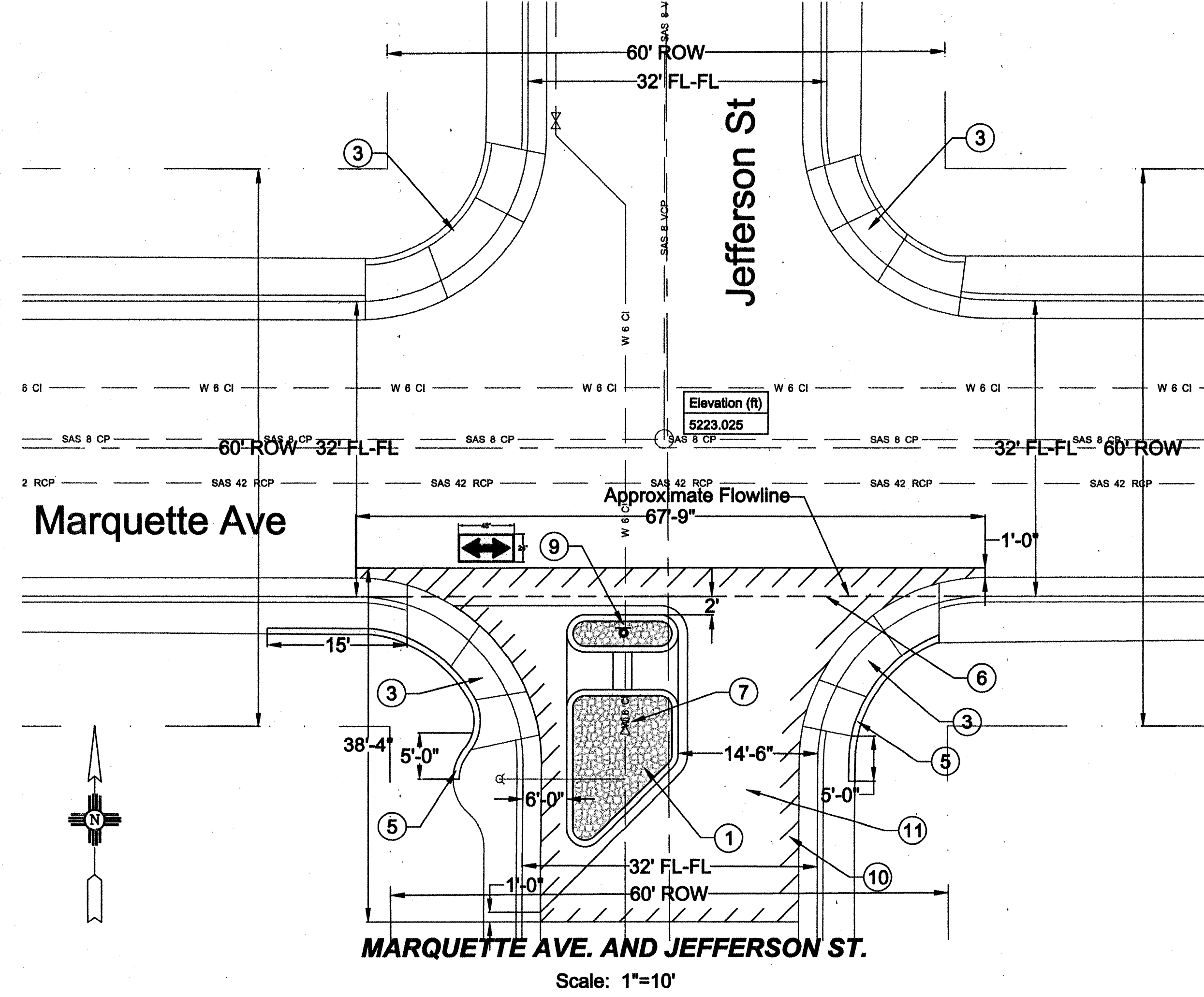
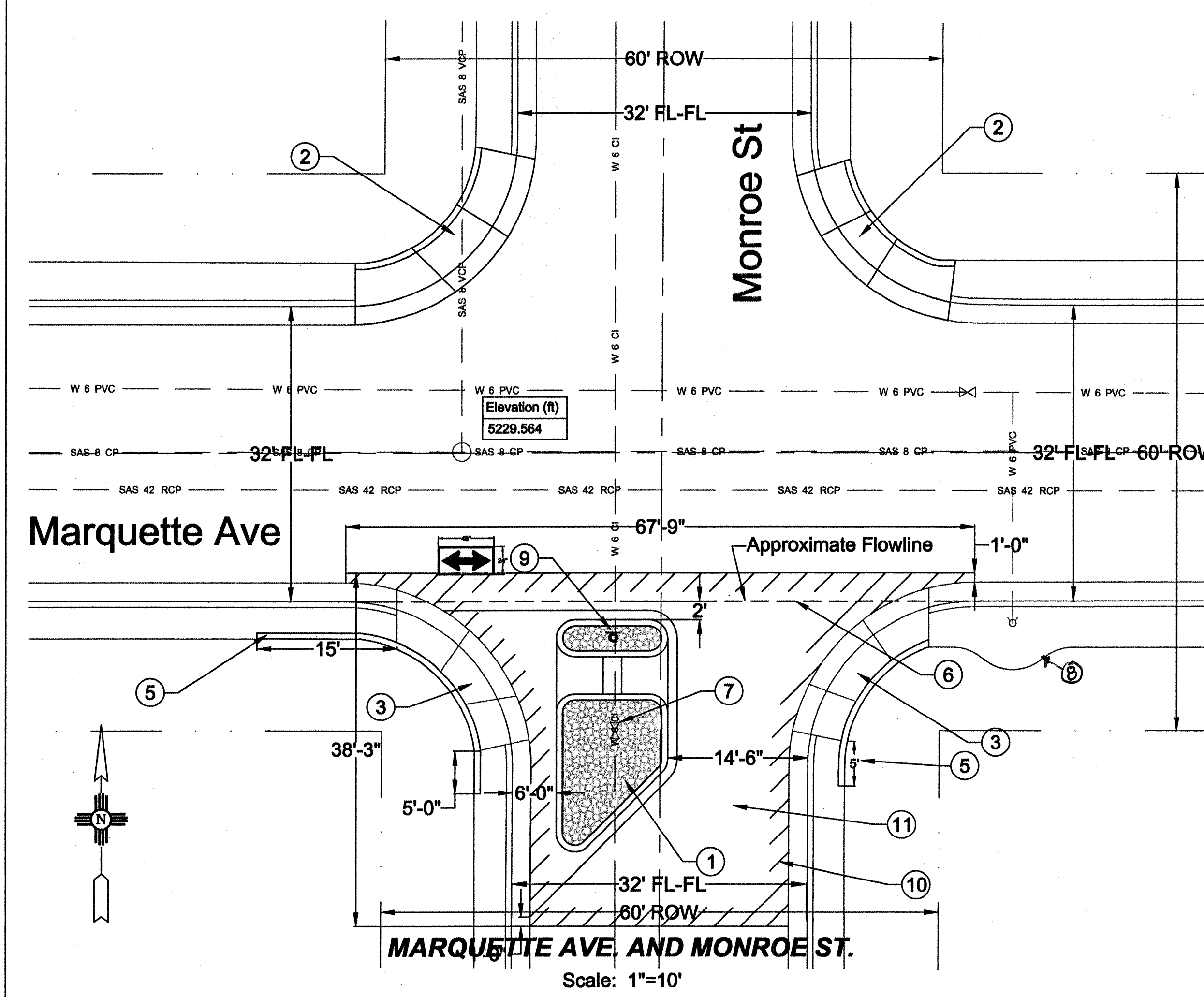
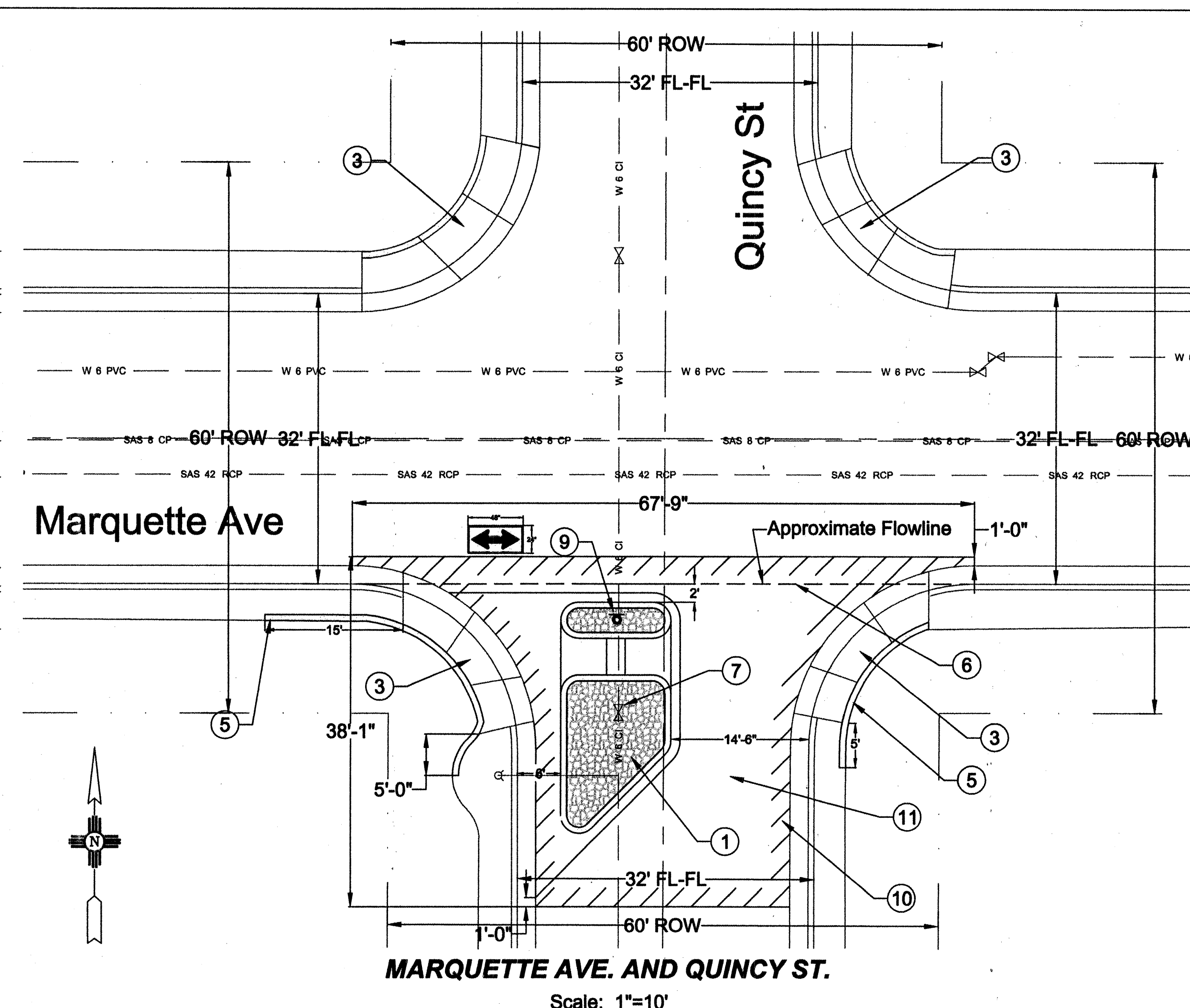
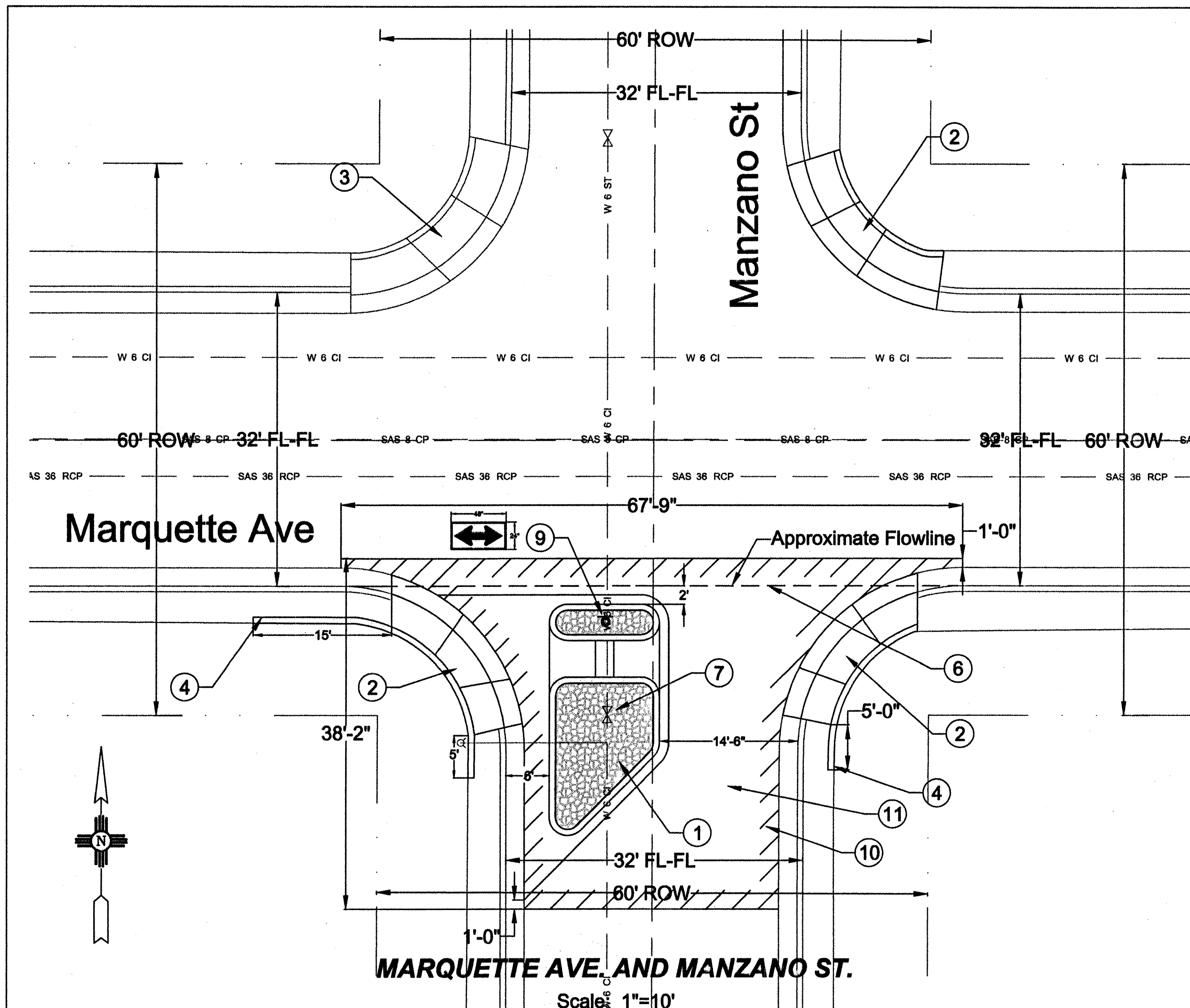
- APPROXIMATE DIRECTION OF SURFACE WATER FLOW
- TRAFFIC SIGN
- GAS LINE
- TELEPHONE LINE

	EXISTING	PROPOSED
SANITARY SEWER		
STORM DRAIN		
WATER LINE W/ CAP		
FIRE HYDRANT		
GATE VALVE		
TEE & CROSS		
REDUCER		
POWER POLE		
WATER METER		
CURB & GUTTER W/ DRIVEWAY		

EXPLANATION OF DETAIL NOTATION

- DETAIL "U"
- LOCATED ON SHEET 6

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT TRAFFIC ENGINEERING OPERATIONS	
TITLE: HIGHLAND MERCHANTS TRAFFIC CALMING HIGHLAND MERCHANTS NEIGHBORHOOD OVERVIEW AND GENERAL NOTES	
DESIGN REVIEW COMMITTEE APPROVED MAY 20 2001	CITY ENGINEER APPROVAL APPROVED MAY 20 2001 CITY ENGINEER
City Project No. 652191	Zone Map No. K-17
Sheet 2 of 10	



Keyed Notes

- No Inlet as per Detail Sheet #1
- Build Type 1 Wheelchair Ramp as per Detail Sheet #3
- Keep Existing Wheelchair Ramp
- Header Curb, 6" above top of existing sidewalk, monolithic with header curb on Wheelchair Ramp, header curb on this Wheelchair Ramp to be flush with extended header curb, painted Traffic Yellow with Reflective Glass beads
- New Header Curb added to existing Ramp, 6" above sidewalk, painted Traffic Yellow with Reflective Glass beads
- Rebuild Flowline to facilitate East to West Flow
- Reset Water Valve cover flush with Final Grade
- Widen Sidewalk around Fire Hydrant as per Detail Sheet #3
- Install 48 X 24 W1-7
- Limits of Pavement Removal
- Replace all Pavement within Limits except as detailed elsewhere

General Note

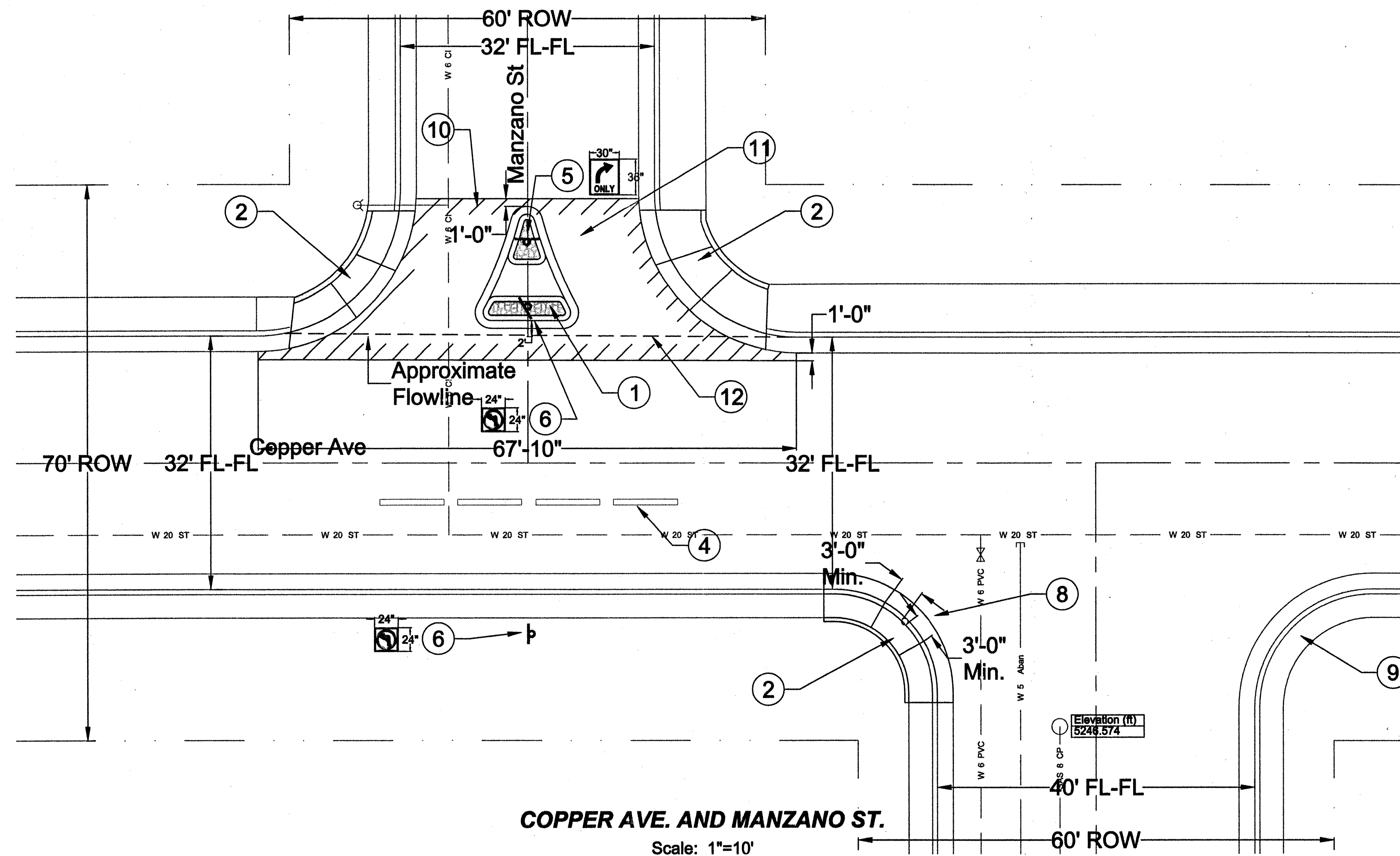
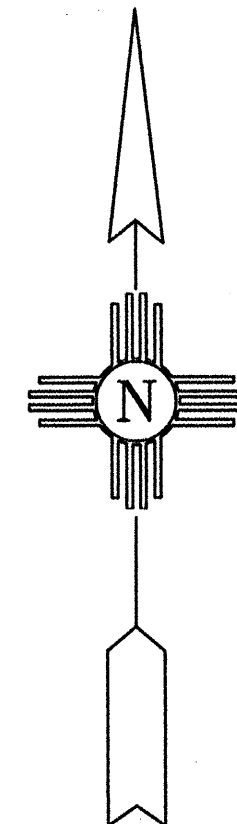
- Sidewalk and Wheelchair Ramp configurations current as of 2/9/01

EXPLANATION OF DETAIL NOTATION

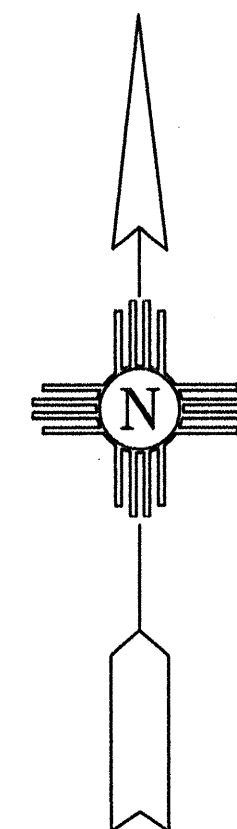
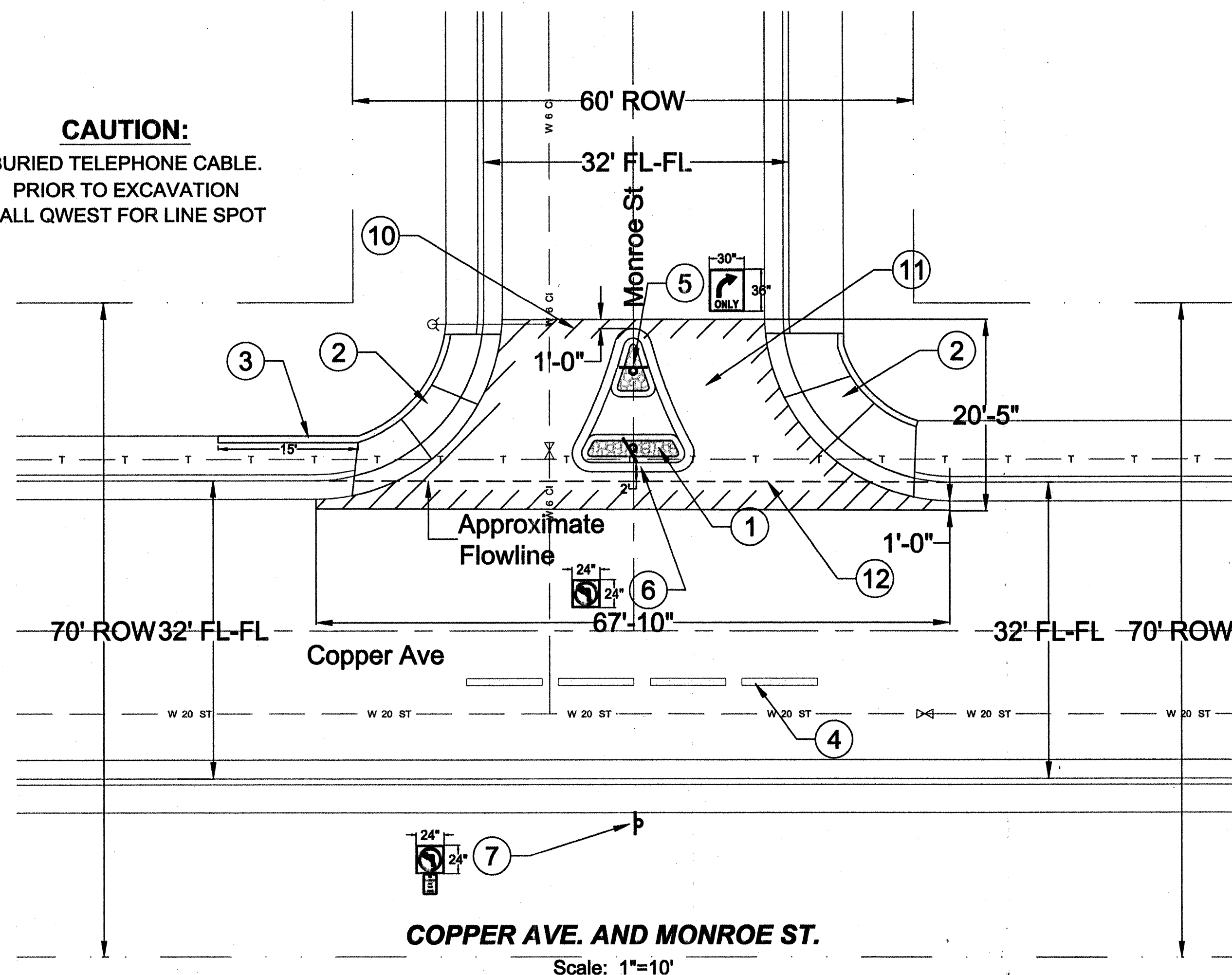
- DETAIL "U"
- LOCATED ON SHEET 6

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT TRAFFIC ENGINEERING OPERATIONS HIGHLAND MERCHANTS TRAFFIC CALMING HIGHLAND MERCHANTS NEIGHBORHOOD MARQUETTE AVE. INTERSECTION PLANS	
TITLE:	
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
DESIGNED BY: E. PRIETO / N. BEAUHEIM	DATE: MARCH 2001
DRAWN BY: E. PRIETO / N. BEAUHEIM	DATE: MARCH 2001
CHECKED BY: DAVE W. HARMON, PE	DATE: MARCH 2001
City Project No. 652191	Zone Map No. K-17
Sheet 3 Of 10	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	BY	NO.	BY
INSPECTOR	DATE	INSPECTOR	DATE				
FIELD	DATE	FIELD	DATE				
VERIFICATION	DATE	VERIFICATION	DATE				
CORRECTED	DATE	CORRECTED	DATE				
NO.		NO.					
MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION		MICRO-FILM INFORMATION	
RECORDED	DATE	RECORDED	DATE	RECORDED	DATE	RECORDED	DATE
NO.		NO.		NO.		NO.	



CAUTION:
BURIED TELEPHONE CABLE.
PRIOR TO EXCAVATION
CALL QWEST FOR LINE SPOT



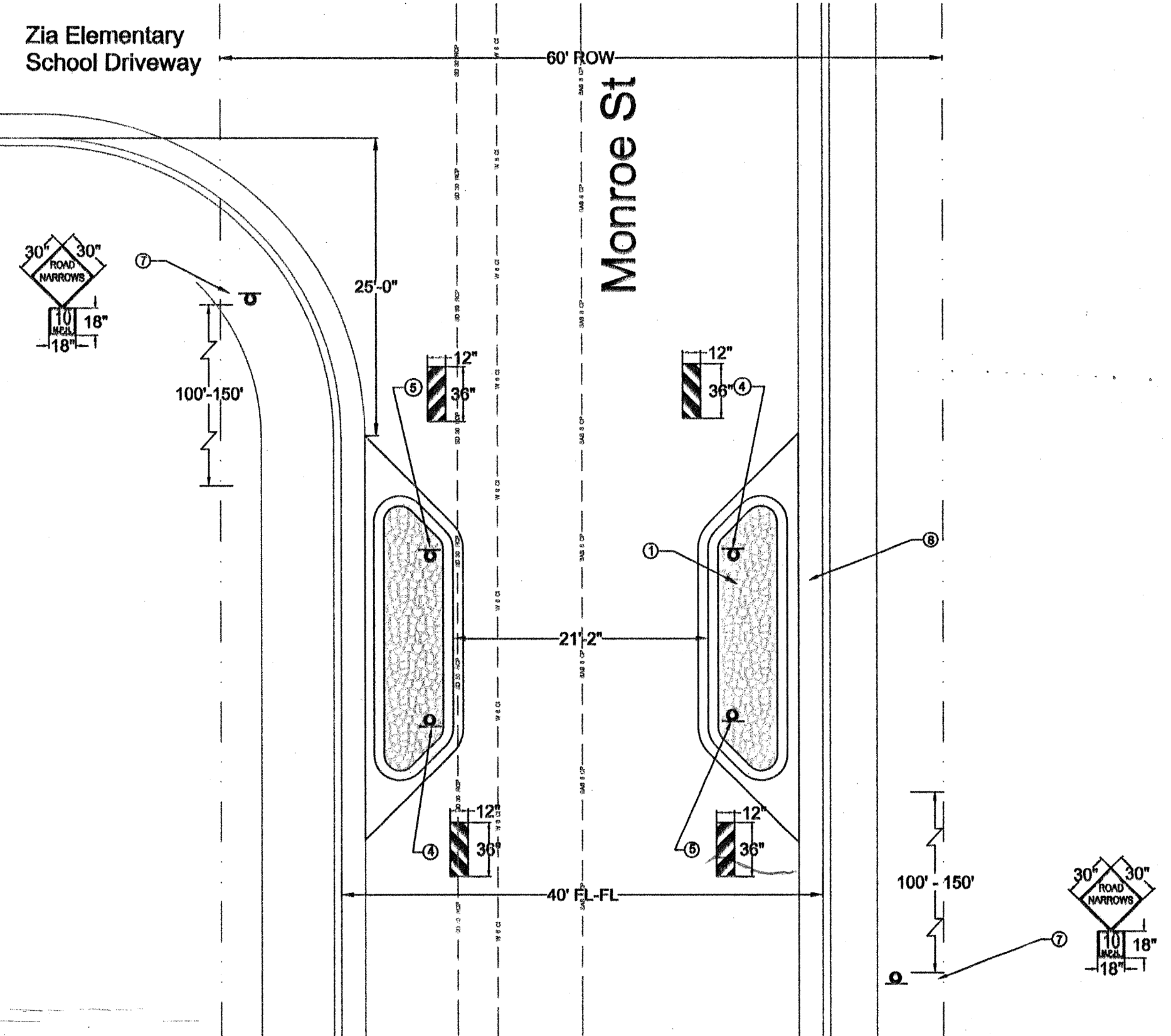
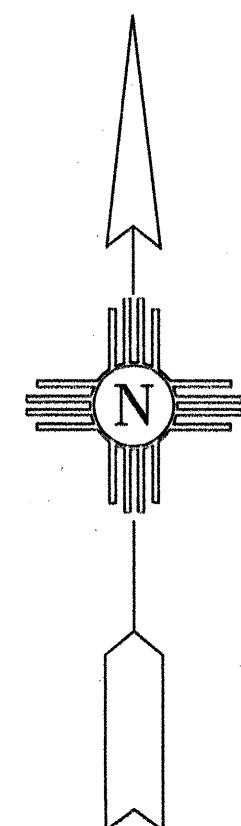
Keyed Notes

- 1 - Right-In/Right-Out as per Detail (A/6)
- 2 - Build Type 2 Wheelchair Ramp as per Detail (M/8)
- 3 - Header Curb, 6" above top of existing sidewalk, monolithic with header curb on Wheelchair Ramp, header curb on this Wheelchair Ramp to be flush with extended header curb, painted Traffic Yellow with Reflective Glass beads
- 4 - Remove and dispose of existing bumper blocks and delineators. Cut Surrounding weeds.
- 5 - Install 30 X 36 R3-5R
- 6 - Install 24 X 24 R3-2
- 7 - Move existing R7-1 down, and remount existing R3-2 above, both signs to face West
- 8 - Build Wheelchair Ramp around existing Power Pole as per Detail (S/8)
keeping 3'-4" Min. btwn. Pole and back of Ramp
- 9 - Keep Existing Wheelchair Ramp
- 10 - Limits of Pavement Removal
- 11 - Replace all Pavement within Limits except as detailed elsewhere
- 12 - Rebuild Flowline to facilitate East to West Flow

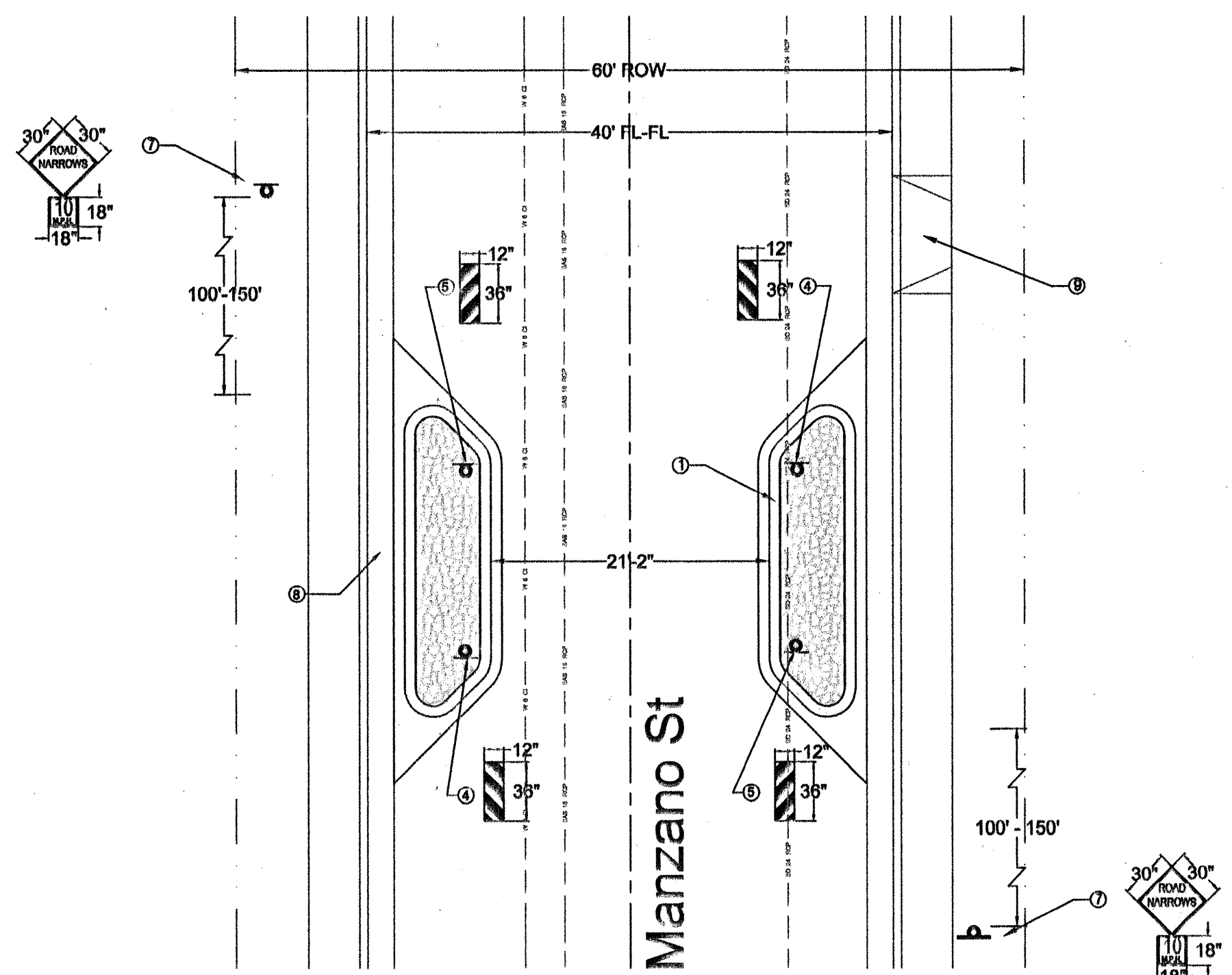
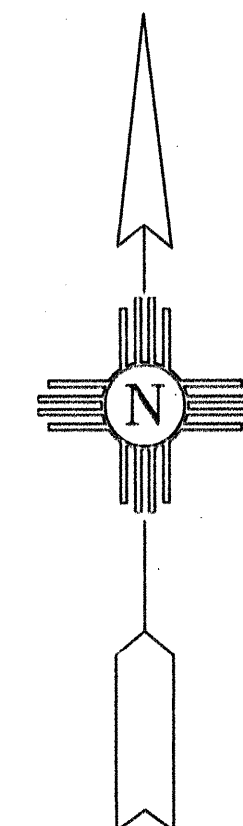
EXPLANATION OF DETAIL NOTATION

- U
6
- DETAIL "U"
- LOCATED ON SHEET 6

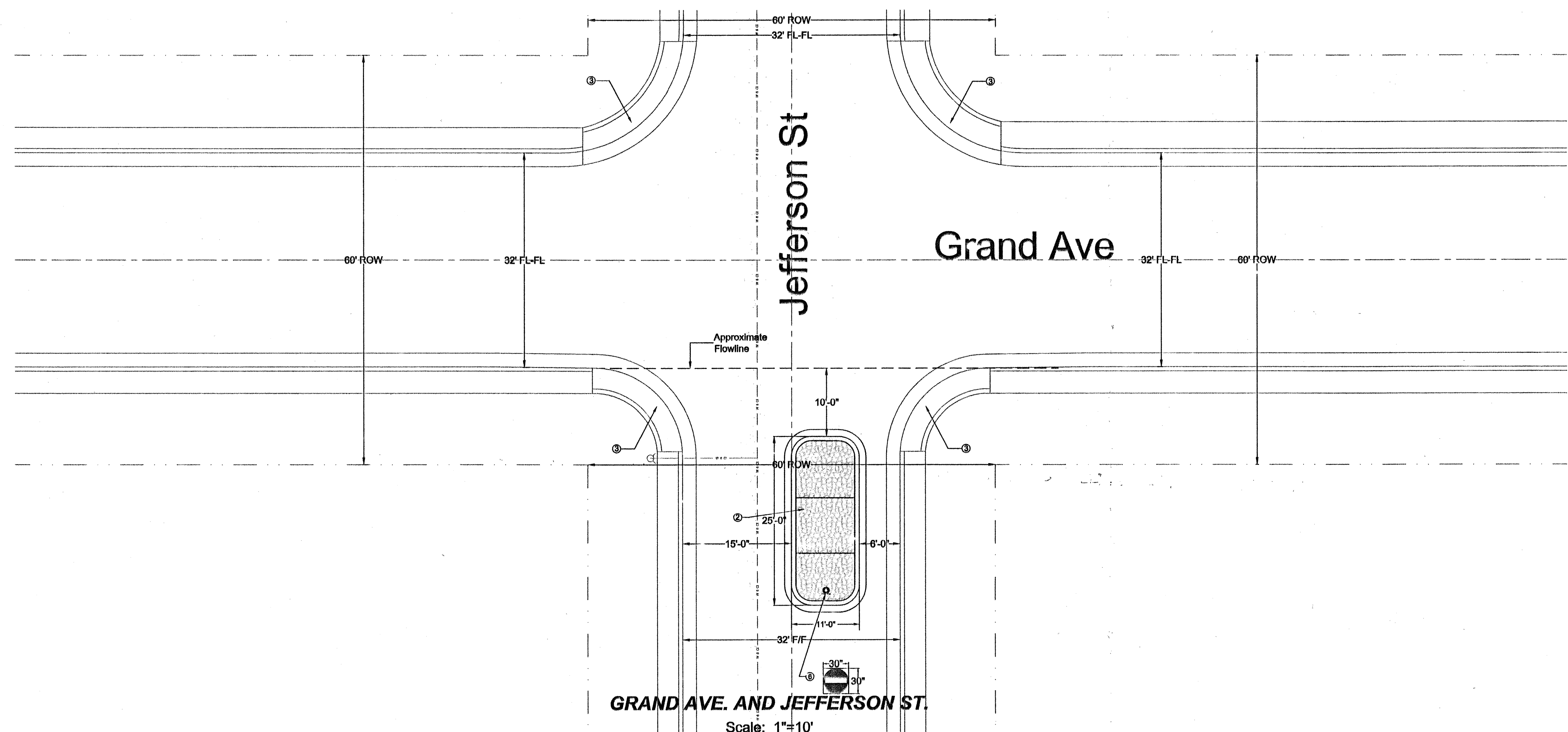
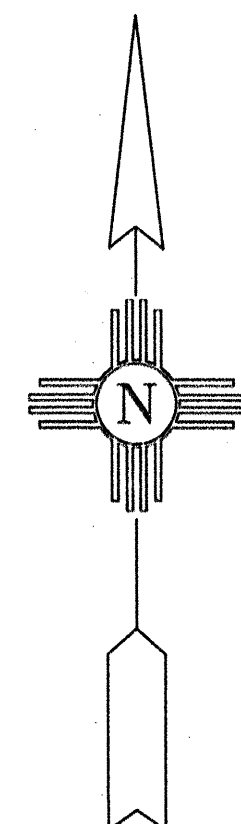
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT TRAFFIC ENGINEERING OPERATIONS			
TITLE: HIGHLAND MERCHANTS TRAFFIC CALMING HIGHLAND MERCHANTS NEIGHBORHOOD COPPER AVE. INTERSECTION PLANS			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED MAR 20 2001	APPROVED MAR 20 2001		
City Project No. 652191		Zone Map No. K-17	Sheet 4 of 10



MONROE ST., NORTH OF ROMA AVE.
Scale: 1"=10'



MANZANO ST., NORTH OF ROMA AVE.
Scale: 1"=10'



GRAND AVE. AND JEFFERSON ST.
Scale: 1"=10'

Keyed Notes

- ① - Choker as per Detail S-12
- ② - No Outlet as per Detail S-12
- ③ - Keep Existing Wheelchair Ramp
- ④ - Install 12 X 36 Type III Object Marker, OM-3L, with restorable mounting
- ⑤ - Install 12 X 36 Type III Object Marker, OM-3R, with restorable mounting
- ⑥ - Install 30 X 30 R5-1
- ⑦ - Install 30 X 30 W5-1 with 18 X 18 W13-1 (10 MPH)
- ⑧ - Existing Curb & Gutter
- ⑨ - South Driveway for Manzanno del Sol Good Samaritan Village

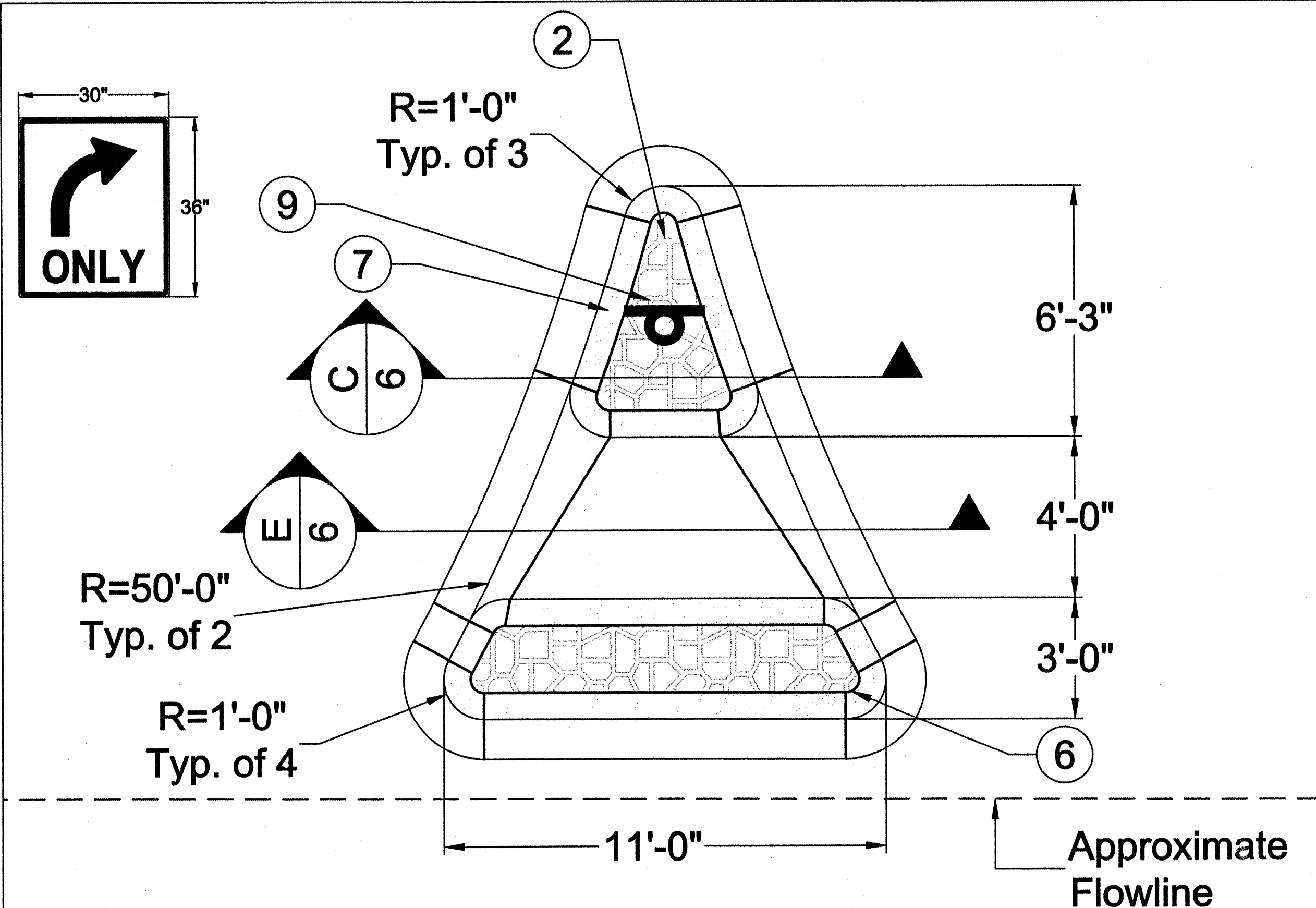
H
7
G
7

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION			
FIELD NOTES			CONTRACTOR			ENGINEER'S SEAL		
NO.	BY	DATE	BM 6-K18A	WORK	STAGED BY	DATE	DATE	DATE
			A ROUND BRASS CAP INSERTED IN THE SIDEWALK LOCATED AT 4801 CENTRAL AVE. NE ON THE NORTH SIDE OF CENTRAL AVE. ELEVATION 5247.329	ACCEPTANCE BY	DATE	DATE	DATE	DATE
				FIELD DRAWINGS	DATE	DATE	DATE	DATE
				CORRECTED BY	DATE	DATE	DATE	DATE
			BM 9-J17	MICRO-FILM INFORMATION				
			A ROUND BRASS CAP INSERTED IN THE MEDIAN AT THE EASTERN TIP LOCATED AT THE INTERSECTION OF LOMAS BLVD AND WASHINGTON ST. ELEVATION 5208.278	RECORDED BY	DATE	DATE	DATE	DATE
				NO.	DATE	DATE	DATE	DATE

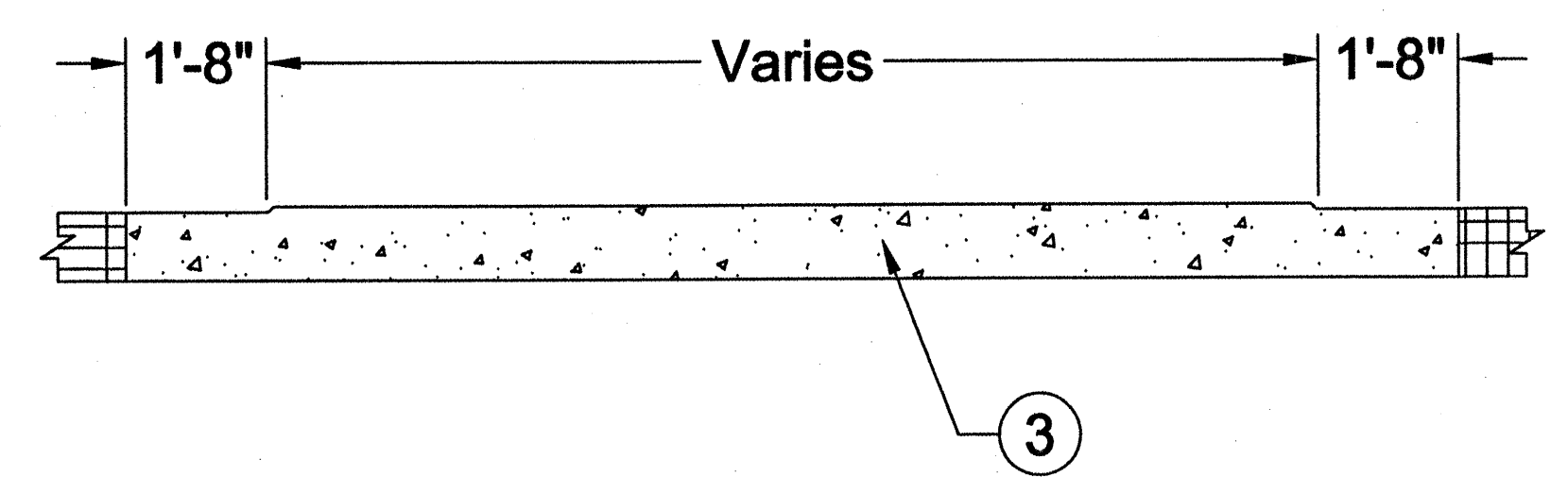
EXPLANATION OF DETAIL NOTATION

- U
6
- DETAIL "U"
- LOCATED ON SHEET 6

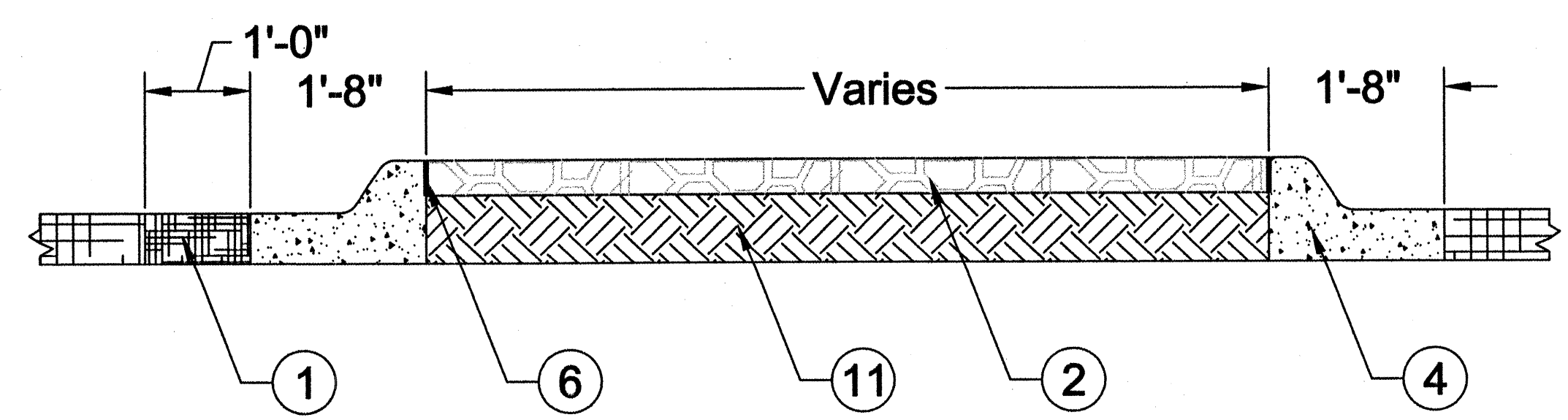
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT TRAFFIC ENGINEERING OPERATIONS	
TITLE: HIGHLAND MERCHANTS TRAFFIC CALMING HIGHLAND MERCHANTS NEIGHBORHOOD MISCELLANEOUS INTERSECTION PLANS	
DESIGN REVIEW COMMITTEE APPROVED NOV 20 2001 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED NOV 20 2001 CITY ENGINEER
MO./DAY/YR.	MO./DAY/YR.
City Project No. 652191	Zone Map No. K-17
Sheet: 5 of 10	



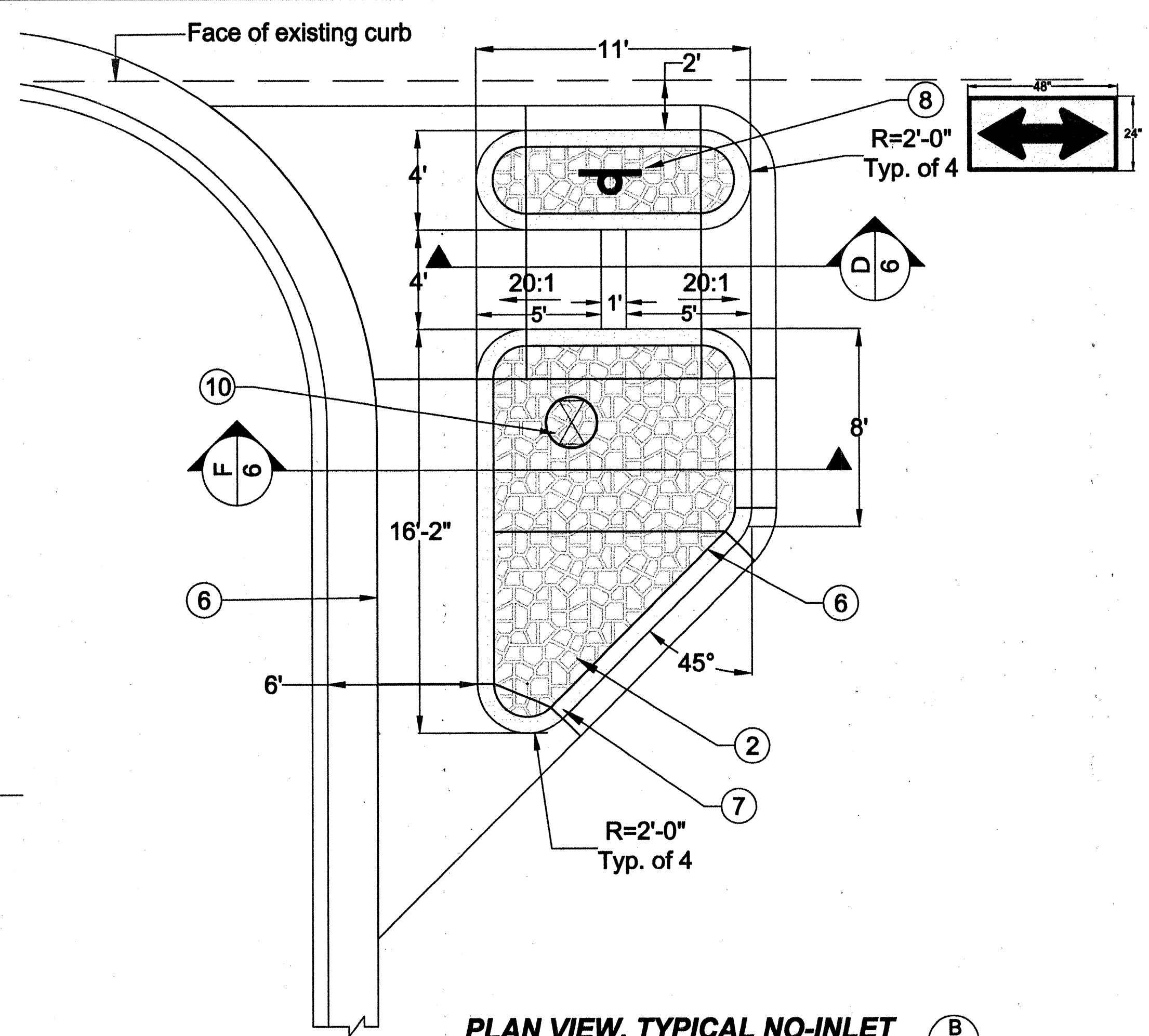
PLAN VIEW, TYPICAL RIGHT-IN/RIGHT-OUT
Scale: 1"=2'-6" A
6



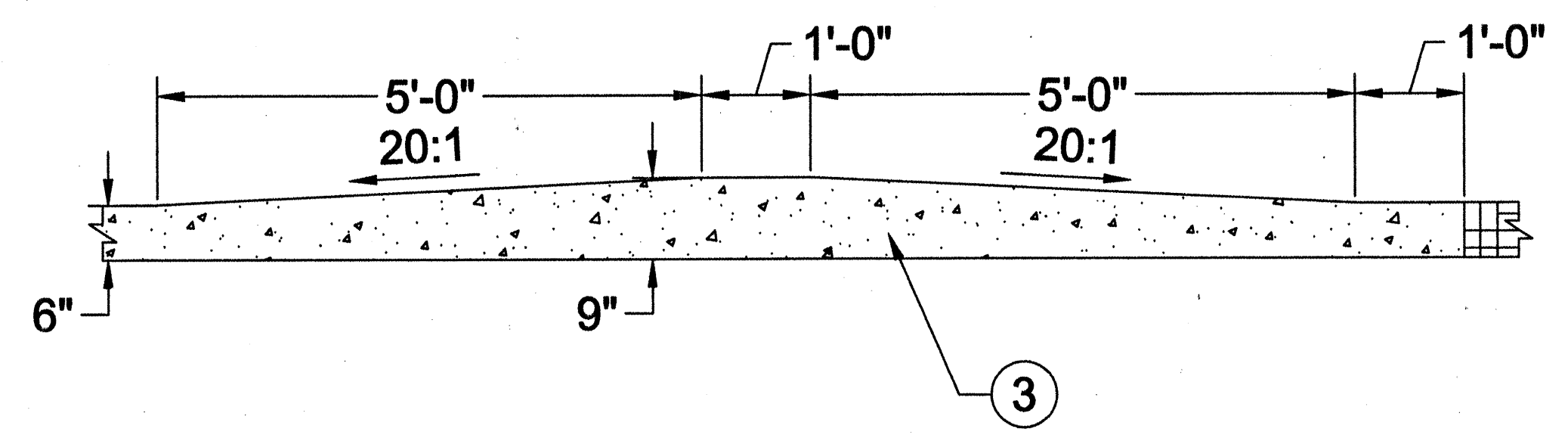
SECTION, TYPICAL RIGHT-IN/RIGHT-OUT
Scale: 1"=9" C
6



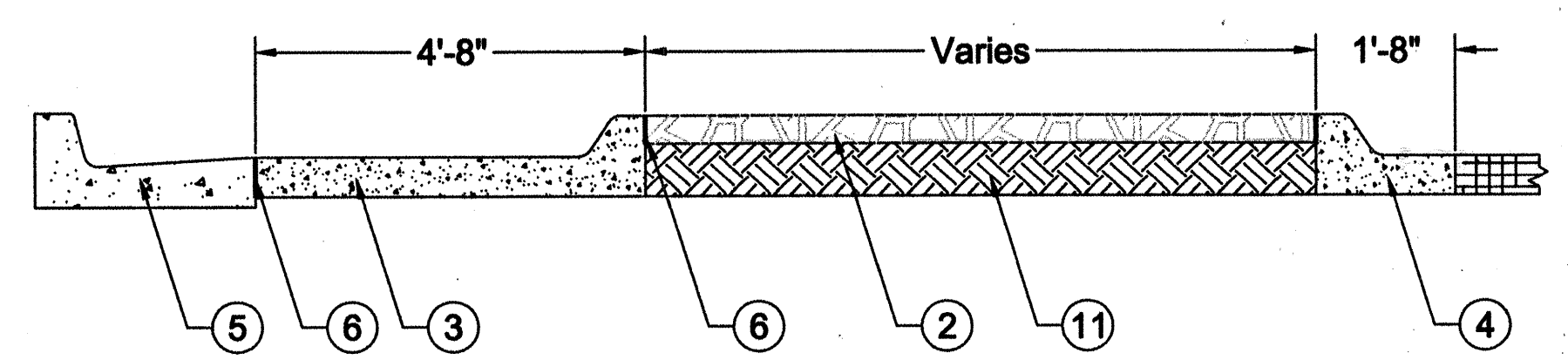
SECTION, TYPICAL RIGHT-IN/RIGHT-OUT
Scale: 1"=9" E
6



PLAN VIEW, TYPICAL NO-INLET
Scale: 1"=4' B
6



SECTION, TYPICAL NO-INLET
Scale: 1"=9" D
6

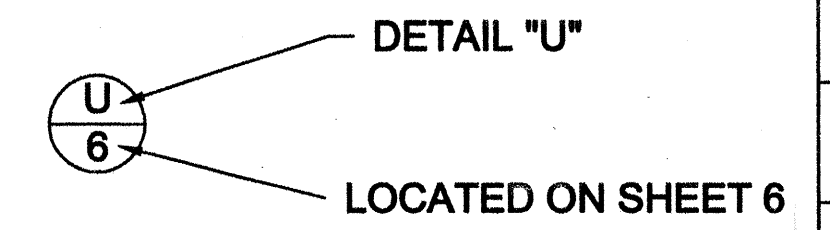


SECTION, TYPICAL NO-INLET
Scale: 1"=2' F
6

Keyed Notes

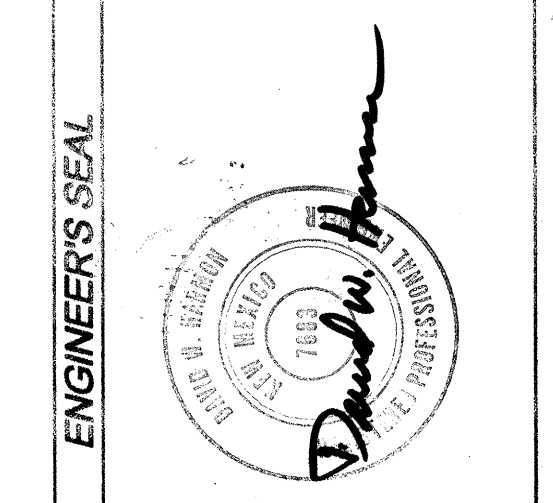
- ① - Not Used
- ② - 4" Thick Bomanite, patterned 'Large Sandstone', colored 'Desert Tan'
- ③ - 6" Thick PCC Pavement
- ④ - Mountable Median Curb
- ⑤ - Existing Standard Curb & Gutter
- ⑥ - 1/2" Expansion Joint
- ⑦ - Paint curbs Traffic Yellow with reflective glass beads
- ⑧ - Install 48 X 24 W1-7
- ⑨ - Install 30 X 36 R3-5R
- ⑩ - Reset Water Valve Box Cover flush with Final Grade
- ⑪ - Compacted Subgrade, 95% Compaction

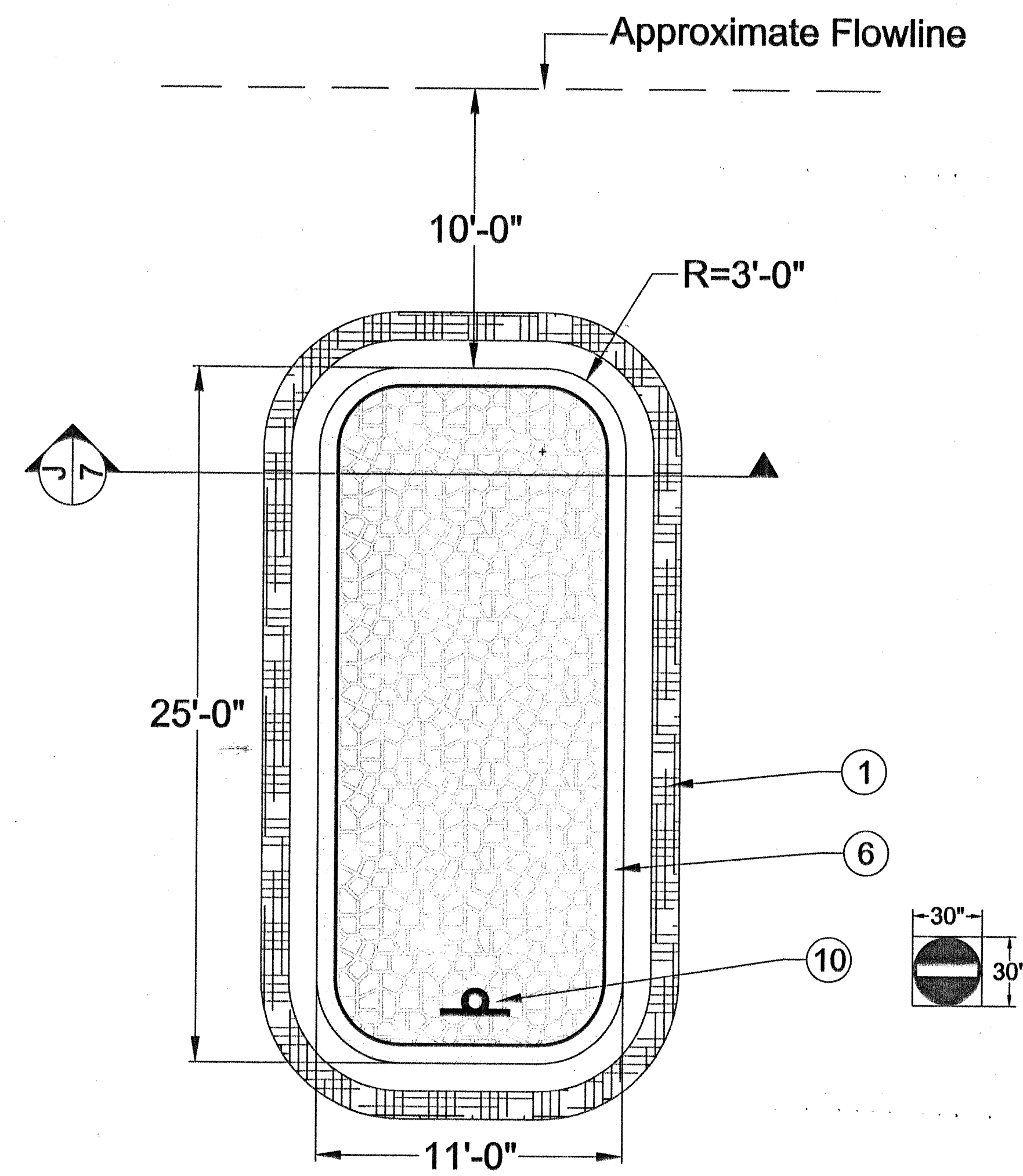
EXPLANATION OF DETAIL NOTATION



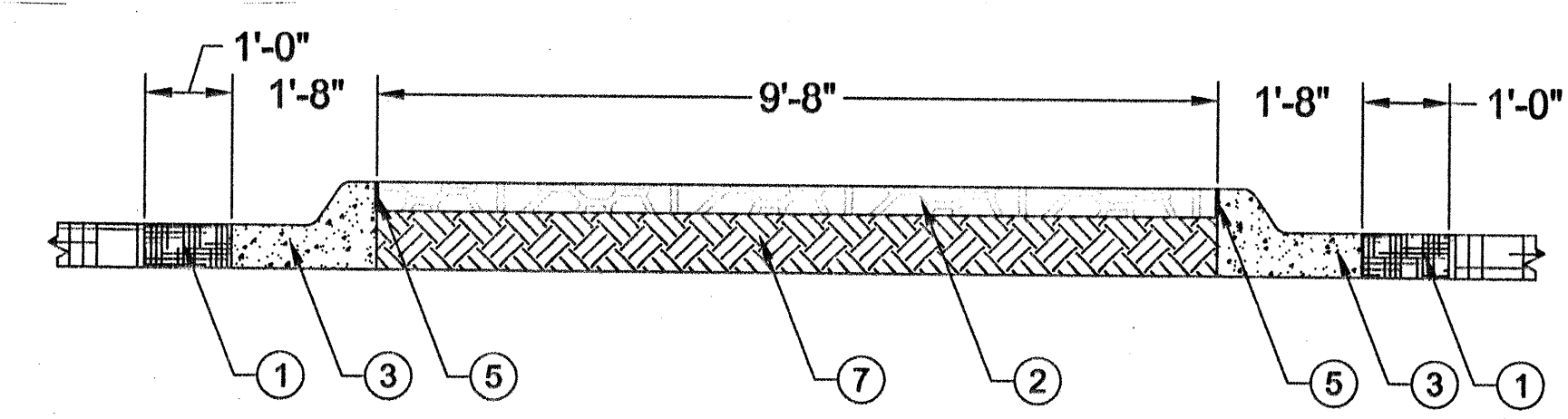
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT TRAFFIC ENGINEERING OPERATIONS			
TITLE: HIGHLAND MERCHANTS TRAFFIC CALMING HIGHLAND MERCHANTS NEIGHBORHOOD DETAIL SHEET #1			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED	APPROVED		
DESIGNED BY E. PRIETO / N. BEAUMHEIM	DATE MARCH 2001		
DRAWN BY E. PRIETO / N. BEAUMHEIM	DATE MARCH 2001		
CHECKED BY DAVE W. HARMON, PE	DATE MARCH 2001		
City Project No. 652191	Zone Map No. K-17	Sheet 6 Of 10	

AS BUILT INFORMATION			
CONTRACTOR	WORK BY	DATE	DATE
INSPECTOR	ACCEPTANCE BY	DATE	DATE
VERIFICATION BY	DATE	DATE	DATE
DRAWINGS BY	DATE	DATE	DATE
MICRO-FILM INFORMATION			
RECORDED BY	DATE	DATE	DATE
NO.			

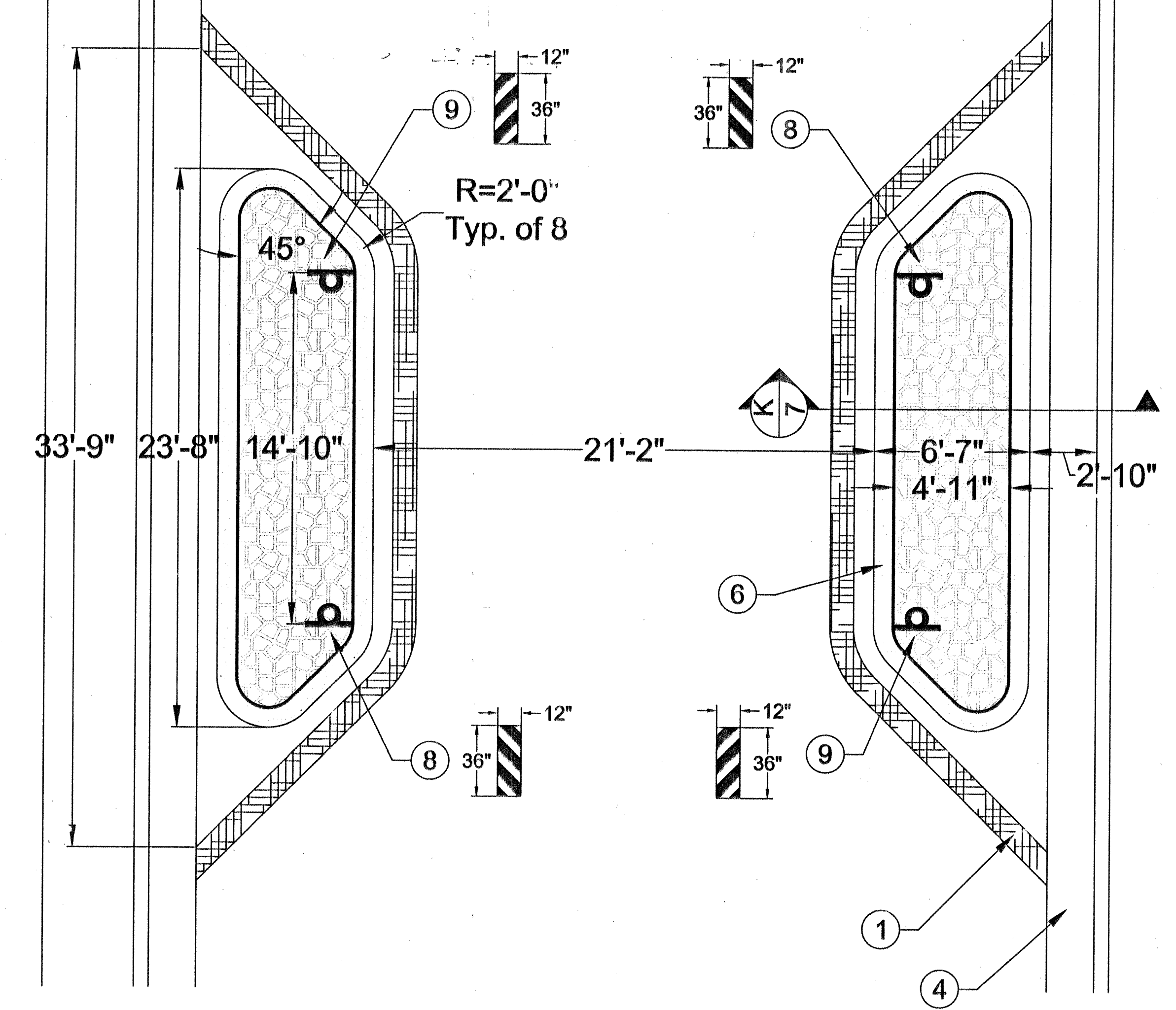




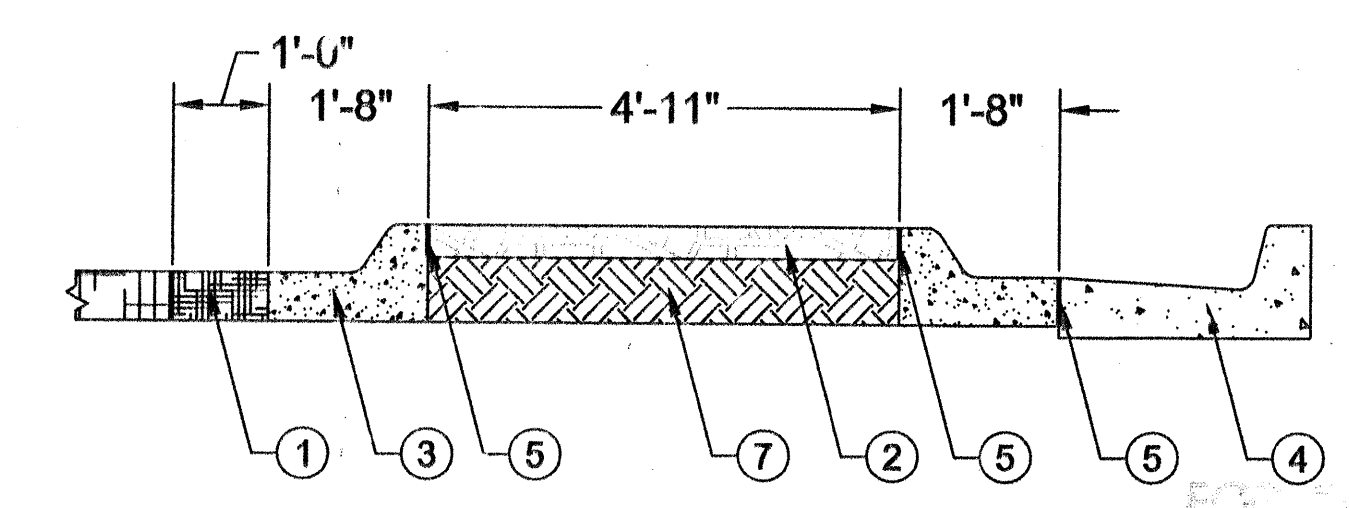
PLAN VIEW, TYPICAL NO OUTLET (G)
Scale: 1"=5'



SECTION, TYPICAL NO OUTLET (J)
Scale: 1"=6"



PLAN VIEW, TYPICAL CHOKER (H)
Scale: 1"=5'



SECTION, TYPICAL CHOKER (K)
Scale: 1"=6"

Keyed Notes

- Remove and Replace existing Asphalt Pavement (Residential Type)
- 4" Thick Bomanite, Patterned 'Large Sandstone', colored 'Desert Tan'
- Mountable Median Curb (Q)
8
- Existing Std. Curb & Gutter
- 1/2" Expansion Joint
- Paint curbs Traffic Yellow with reflective glass beads
- Compacted Subgrade, 95% Compaction
- Install 12 X 36 Type III Object Marker, OM-3L with restorable mounting
- Install 12 X 36 Type III Object Marker, OM-3R with restorable mounting
- Install 30 X 30 R5-1

SURVEY INFORMATION				BENCH MARKS				AS BUILT INFORMATION					
FIELD NOTES		DATE		BY		NO.		CONTRACTOR		INSPECTED BY		DATE	
								BM 8-K18A		A ROUND BRASS CAP INSERTED IN THE SIDEWALK LOCATED AT 4801 CENTRAL AVE. NE ON THE NORTH SIDE OF CENTRAL AVE. ELEVATION 5247.329			
										MICRO-FILM INFORMATION			
										RECORDED BY		DATE	
										NO.			

ENGINEER'S SEAL

DESIGNED BY E. PRIETO / N. BEAUMEHEIM
DRAWN BY E. PRIETO / N. BEAUMEHEIM
CHECKED BY

EXPLANATION OF DETAIL NOTATION

DETAIL "U"
LOCATED ON SHEET 6

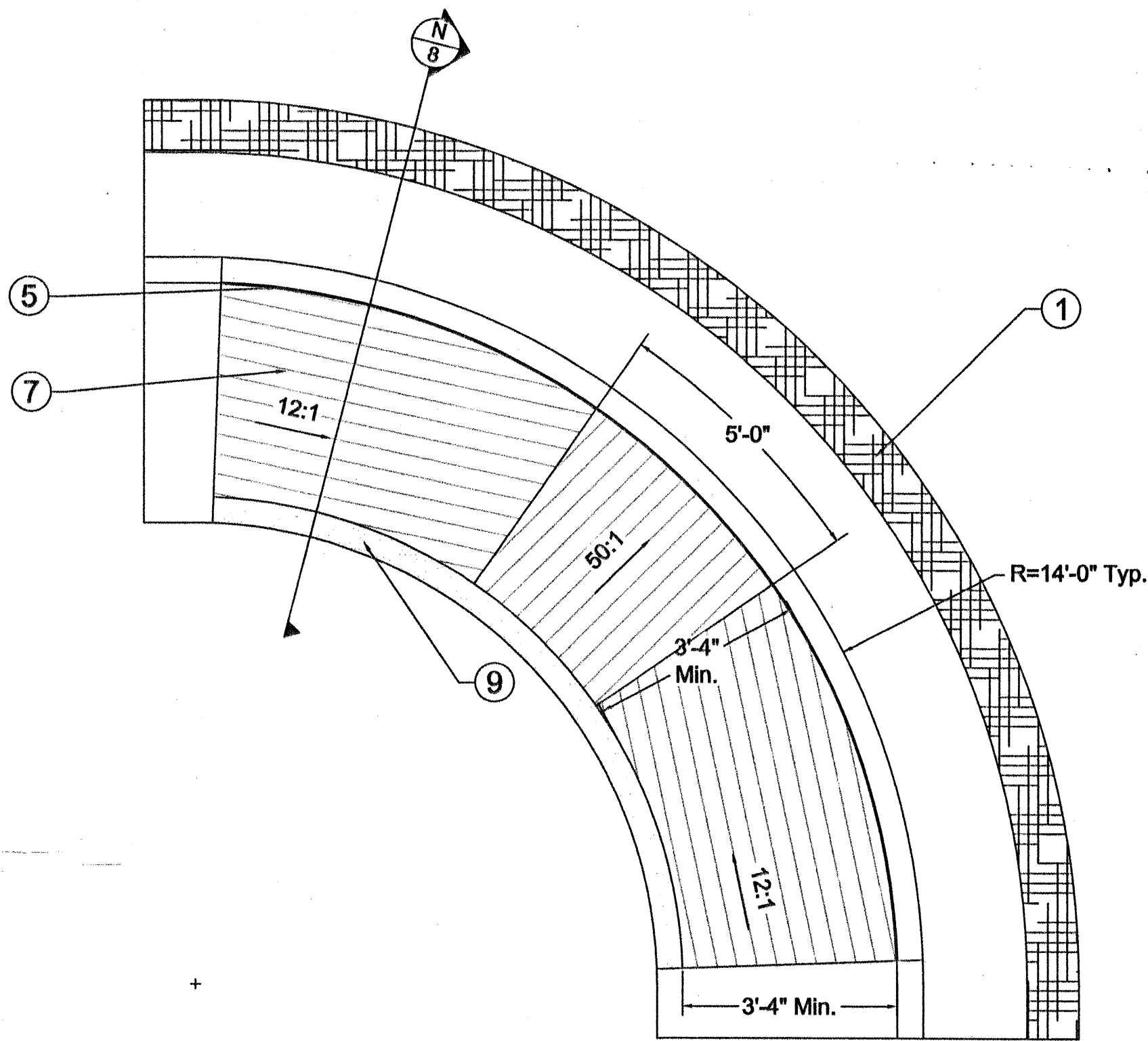
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING OPERATIONS

TITLE: HIGHLAND MERCHANTS TRAFFIC CALMING
HIGHLAND MERCHANTS NEIGHBORHOOD
DETAIL SHEET #2

DESIGN REVIEW COMMITTEE
APPROVED
DATE 2-0-2001
CITY ENGINEER

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

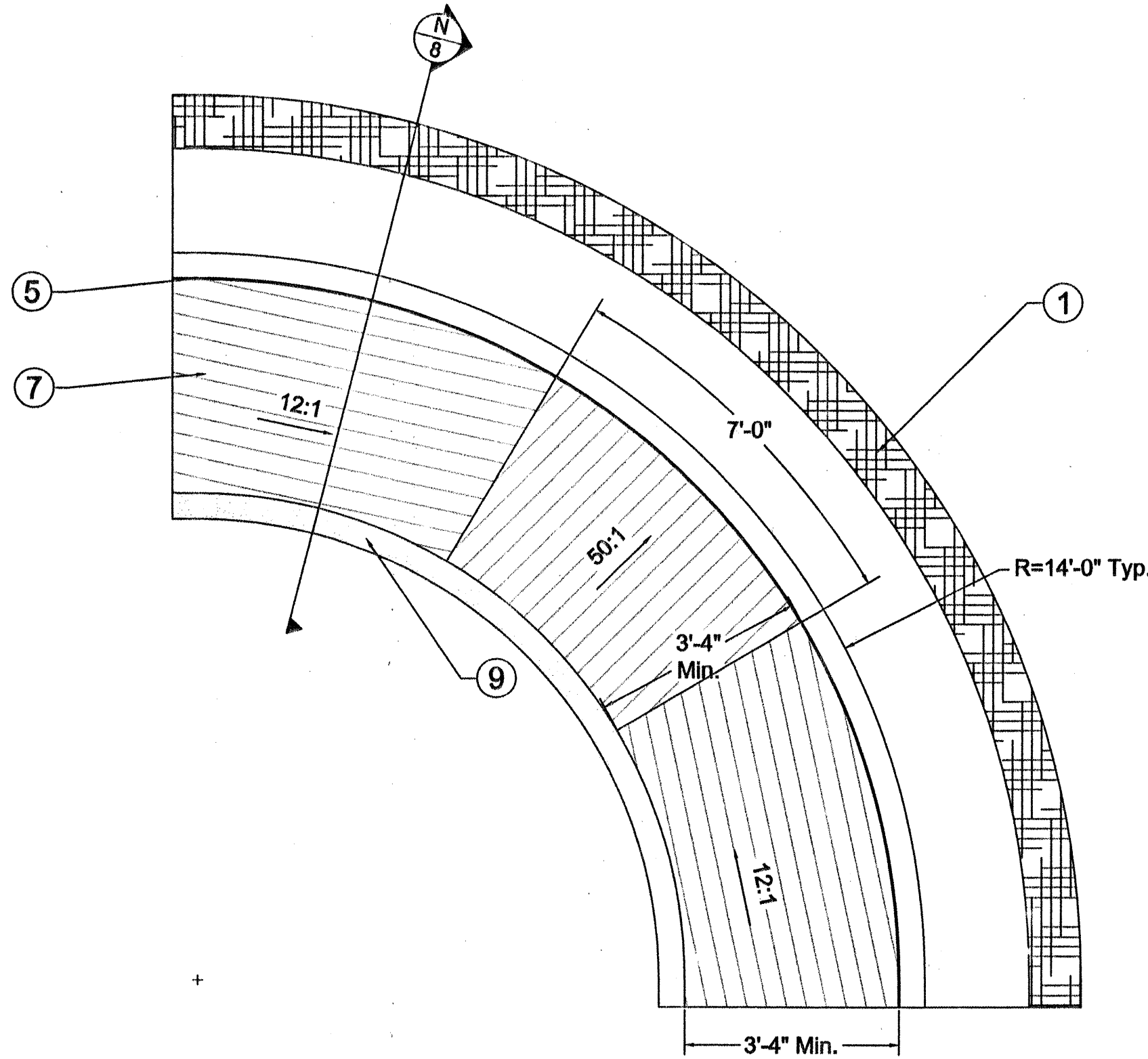
City Project No. 652191
Zone Map No. K-17
Sheet 7 Of 10



TYPE I WHEELCHAIR RAMP

Scale: 1"=2'-6"

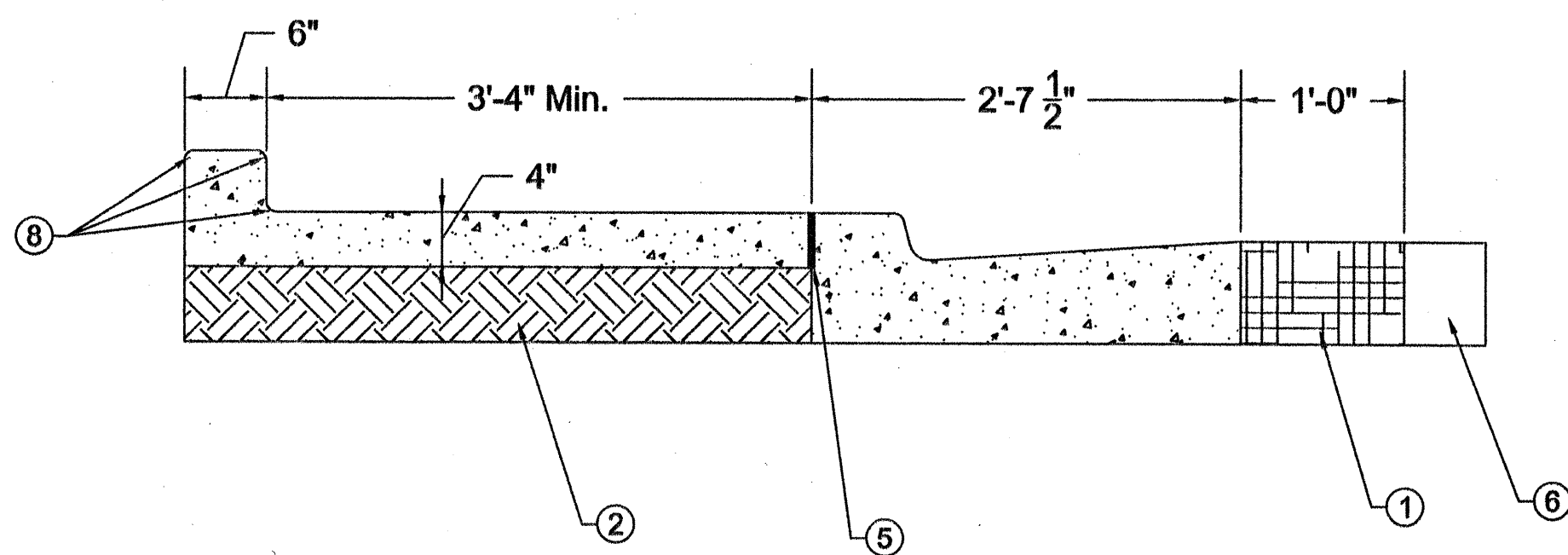
L
8



TYPE II WHEELCHAIR RAMP

Scale: 1"=2'-6"

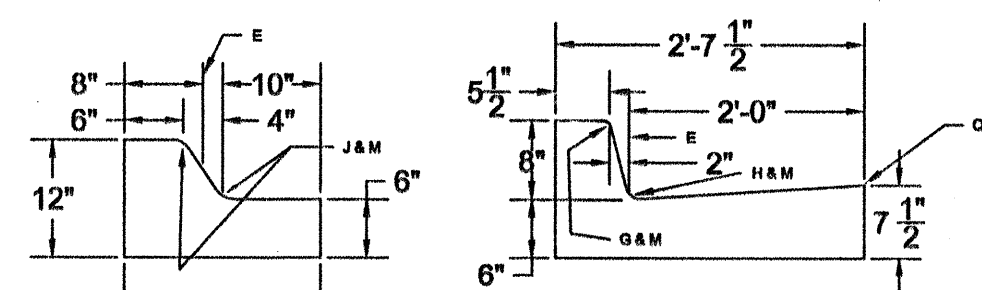
M
8



SECTION

Scale: 1"=1'

N
8



**MOUNTABLE
MEDIAN CURB**

**STANDARD CURB
& GUTTER**

Q
8

R
8

CONSTRUCTION NOTES:
A. N/A
B. N/A
C. N/A
D. N/A
E. THEORETICAL FACE OF CURB OR FLOWLINE.
F. N/A
G. 24" RADIUS
H. 1-1/2" RADIUS
J. 2" RADIUS

K. N/A
L. N/A
M. DIMENSIONS AT ROUNDED CORNERS MEASURED TO INTERSECTION OF STRAIGHT LINES.
N. N/A
O. N/A
P. N/A
Q. ASPHALT CONCRETE PAVEMENT.
R. N/A
S. N/A

CURB AND GUTTER DETAILS

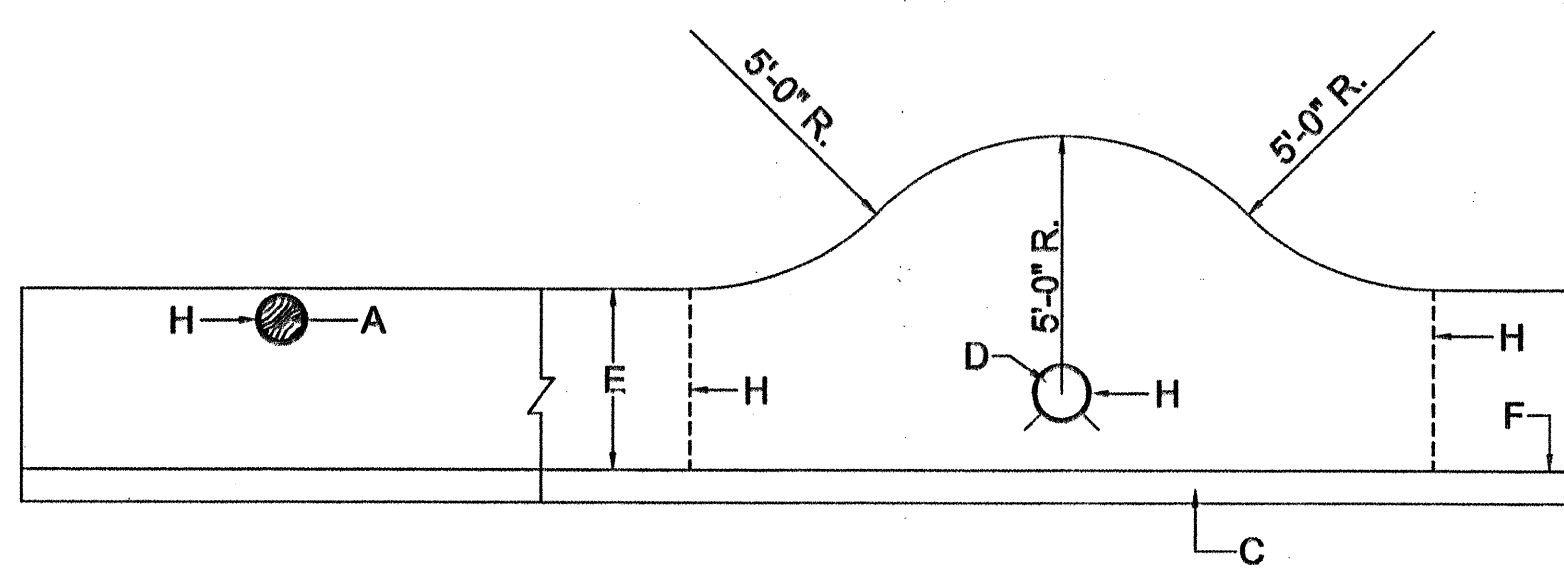
Not to Scale
From City Std. Dwg. 2415

GENERAL NOTES:
1. CURB, GUTTER, AND CUT-OFF WALL SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE.
2. FOR STANDARD AND MOUNTABLE CURB AND GUTTER, PROVIDE CONSTRUCTION JTS. 12" MAX. SPACING, 1/2" EXP. JTS. AT CURB RETURNS AND AT A MAXIMUM SPACING OF 10' BETWEEN CURB RETURNS AND EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS.
3. FOR ALL OTHER CURB AND GUTTER, PROVIDE CONSTRUCTION JTS. 12" MAX. SPACING, 1/2" EXP. JTS. AT CURB RETURNS AND AT A MAXIMUM SPACING OF 10' BETWEEN CURB RETURNS AND EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS.
4. FOR C & G CONSTRUCTED WITH PORTLAND CEMENT CONCRETE PAVEMENT, CONSTRUCTION JTS. AND EXPANSION JTS. SHALL BE THE SAME AS THE PAVEMENT JTS.
5. ALL EDGES SHALL BE EDGED WITH A 3/8" RADIUS EDGING TOOL.
6. STANDARD C & G SHALL BE USED FOR NEW CONSTRUCTION UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER.
7. REMOVE AND REPLACE 1" WIDE STRIP OF PAVEMENT ADJACENT TO LIP OF GUTTER WHEN CONSTRUCTING C & G ADJACENT TO EXISTING ASPHALT CONCRETE PAVEMENT.
8. 1/4" EXPANSION JOINT SHALL BE PLACED BETWEEN SIDEWALK AND C & G WHEN CAST ADJACENT TO EACH OTHER.

DETAIL, ADDITIONAL HEADER CURBING

Scale: 1"=1'

P
8



DETAIL, SIDEWALK OBSTRUCTIONS

Not to Scale
From City Std. Dwg. 2431

GENERAL NOTES:

- FOR SIDEWALK CONSTRUCTION DETAILS, SEE DWG. 2430.
- USE WHERE AVAILABLE R/W EXIST., TO BE DETERMINED BY THE ENGINEER.
- PROVIDE 2" PREFORMED EXPANSION JOINT MATERIAL AROUND ALL POWER POLES AND FIRE HYDRANTS WITHIN THE SIDEWALK AREA.

CONSTRUCTION NOTES:

- POWER POLE.
- N/A
- TOP OF CURB.
- FIRE HYDRANT.
- SIDEWALK.
- BACK OF CURB.
- N/A
- EXPANSION JOINT MATERIAL.

S
8

Keyed Notes

- Remove and Replace existing Asphalt Pavement (Residential Type)
- Compacted Subgrade, 95% Compaction
- Existing Subgrade
- Existing Sidewalk
- 1/2" Expansion Joint
- Existing Asphalt Pavement
- Slopes to have coarse-brushed pattern running parallel to slope
- 3/4" Radius
- Paint curbs Traffic Yellow with reflective glass beads

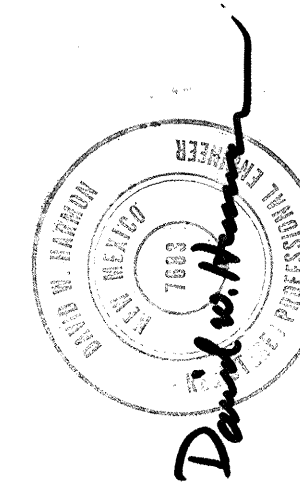
EXPLANATION OF DETAIL NOTATION

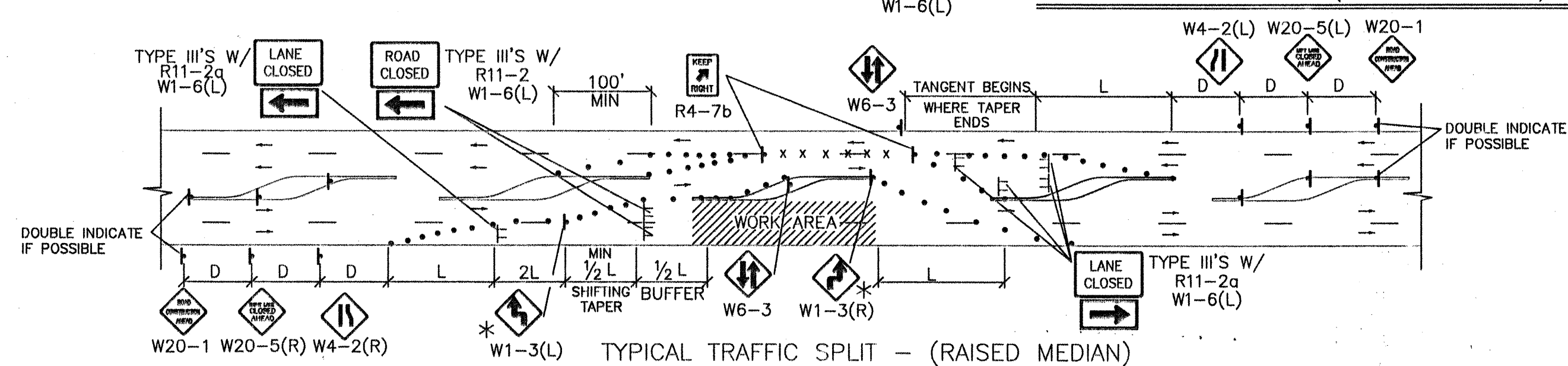
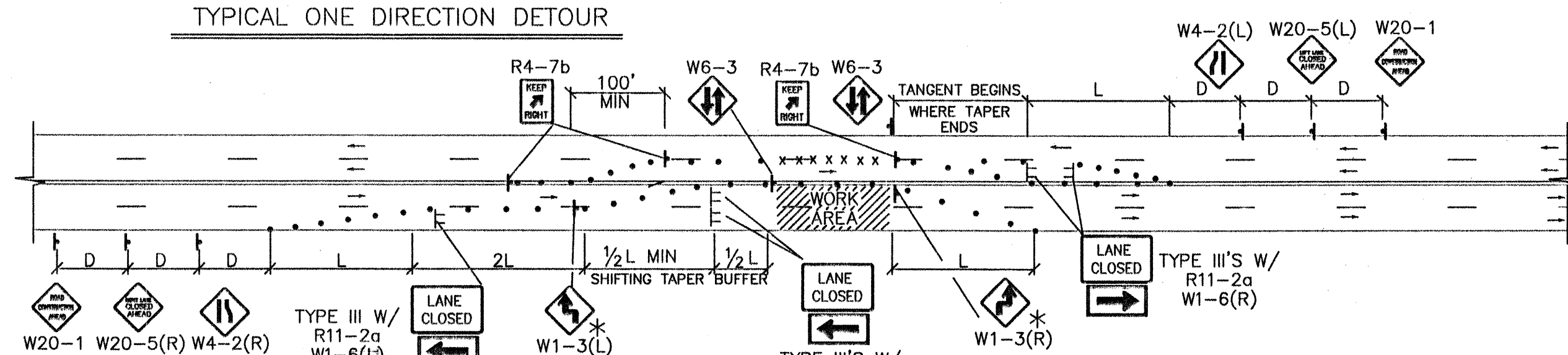
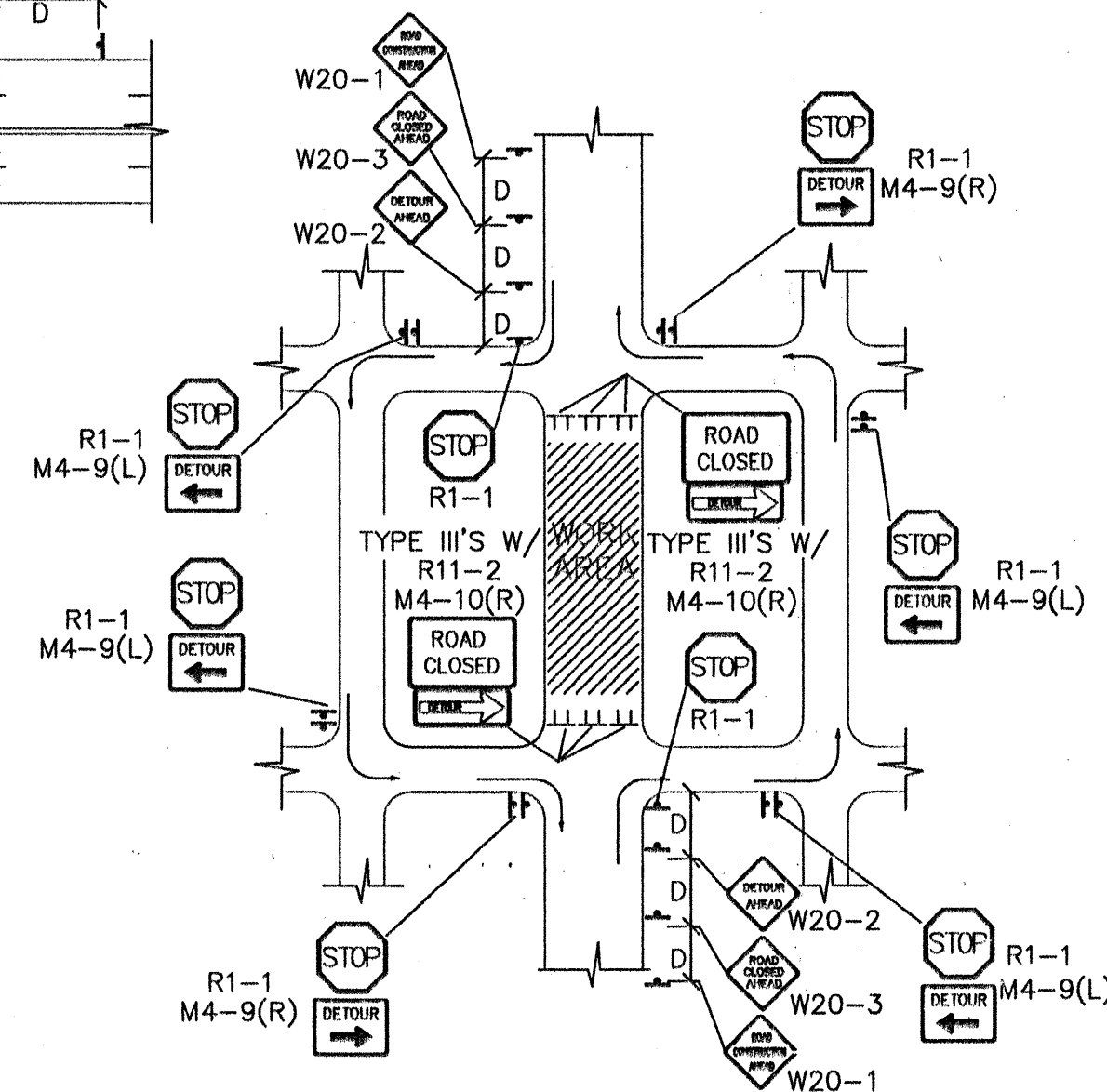
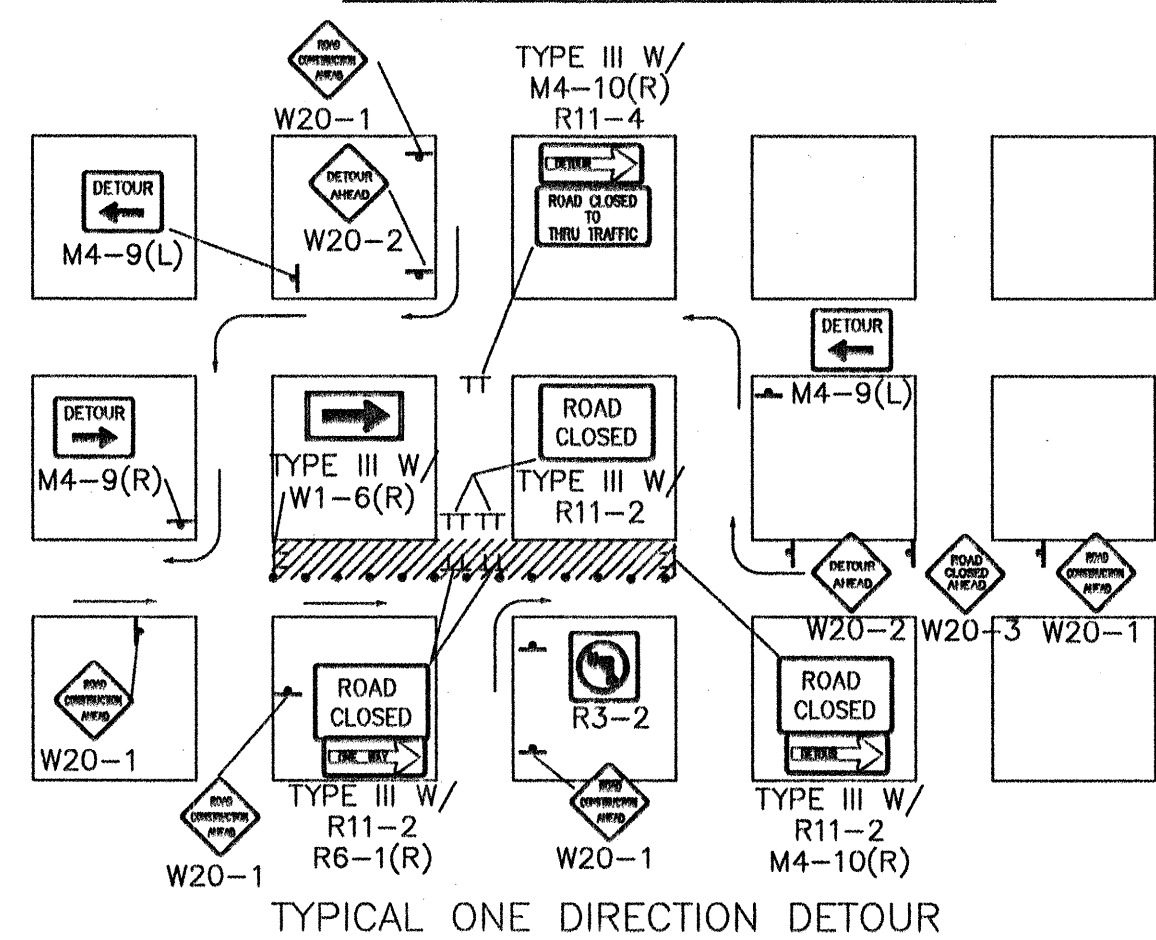
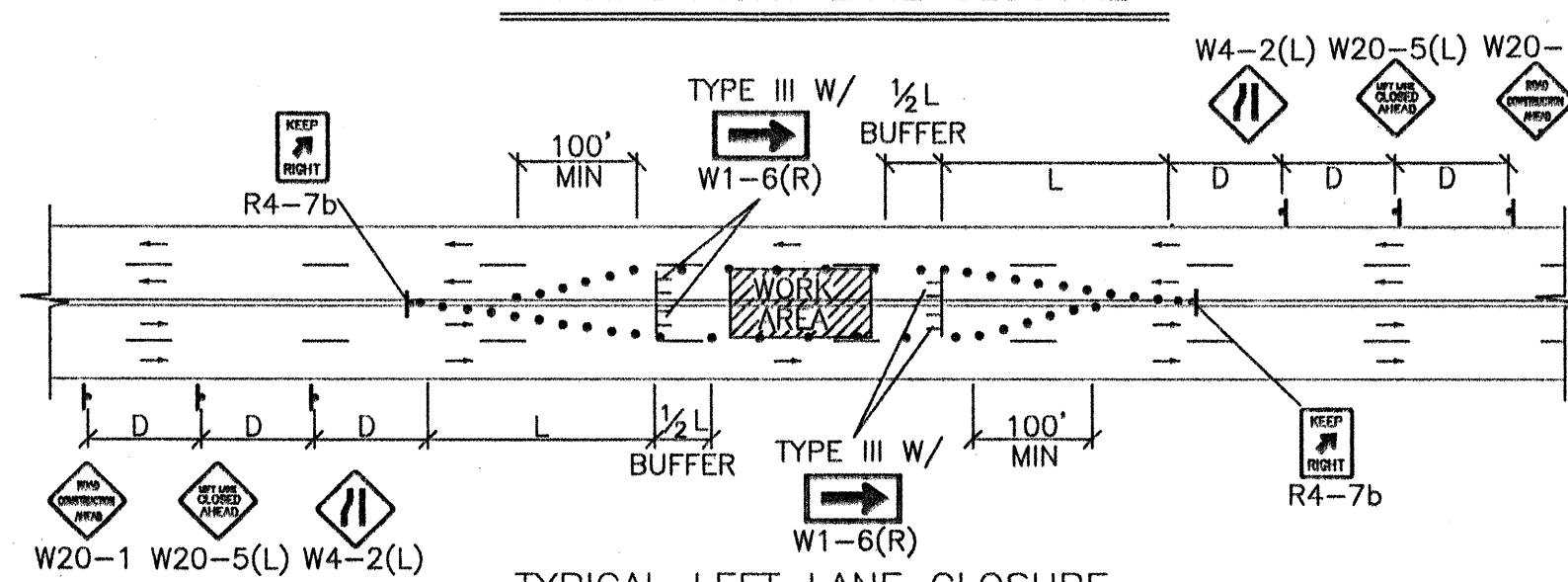
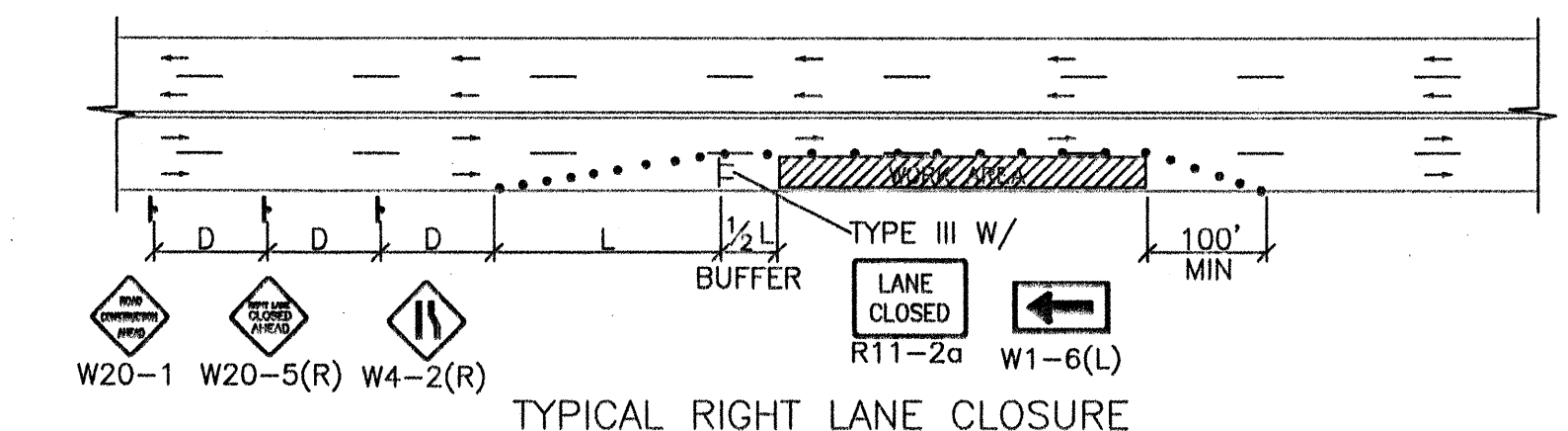
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LOCATED ON SHEET 6

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT TRAFFIC ENGINEERING OPERATIONS			
TITLE: HIGHLAND MERCHANTS TRAFFIC CALMING HIGHLAND MERCHANTS NEIGHBORHOOD DETAIL SHEET #3			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
DESIGNED BY: E. PRIETO / N. BEAUME	DATE: JANUARY 2001	DRAWN BY: E. PRIETO / N. BEAUME	DATE: JANUARY 2001
CHECKED BY:			
City Project No. 652191		Zone Map No. K-17	Sheet 8 Of 10

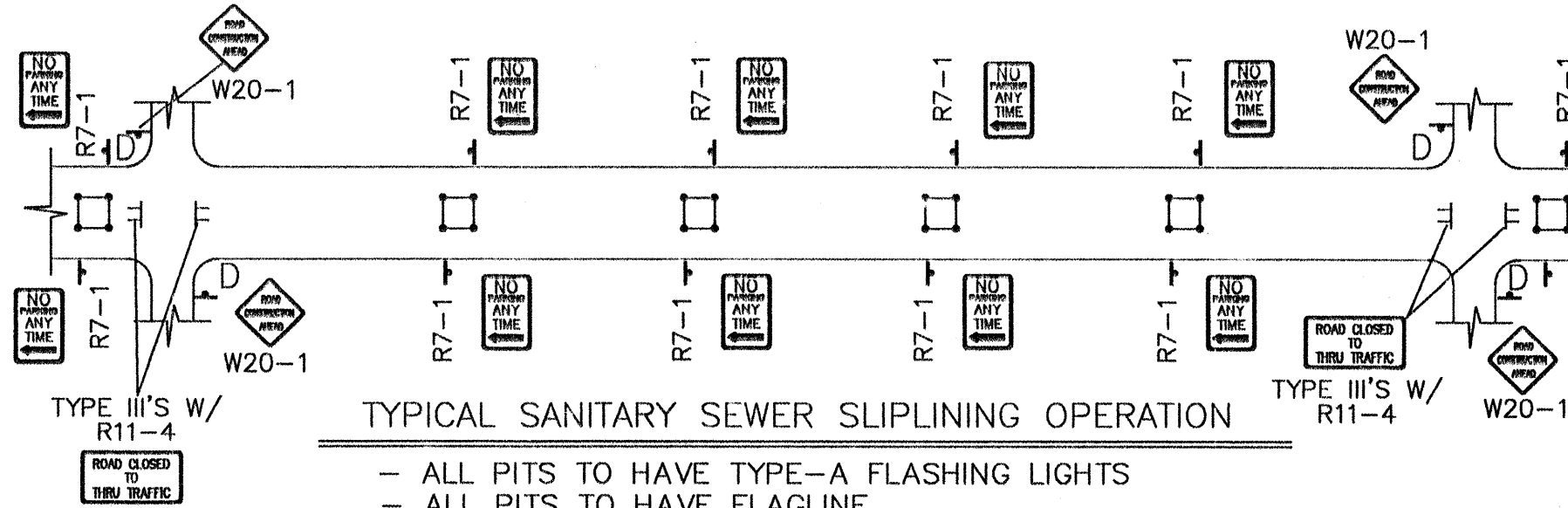
AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION	
CONTRACTOR	WORK	DATE	DATE	NO.	BY
STANDARD BY	ACCEPTANCE BY	DATE	DATE		
FIELD	APPROVAL BY	DATE	DATE		
DRAWINGS	CORRECTED BY	DATE	DATE		
MICRO-FILM INFORMATION		RECORDED BY		DATE	
NO.		NO.		DATE	





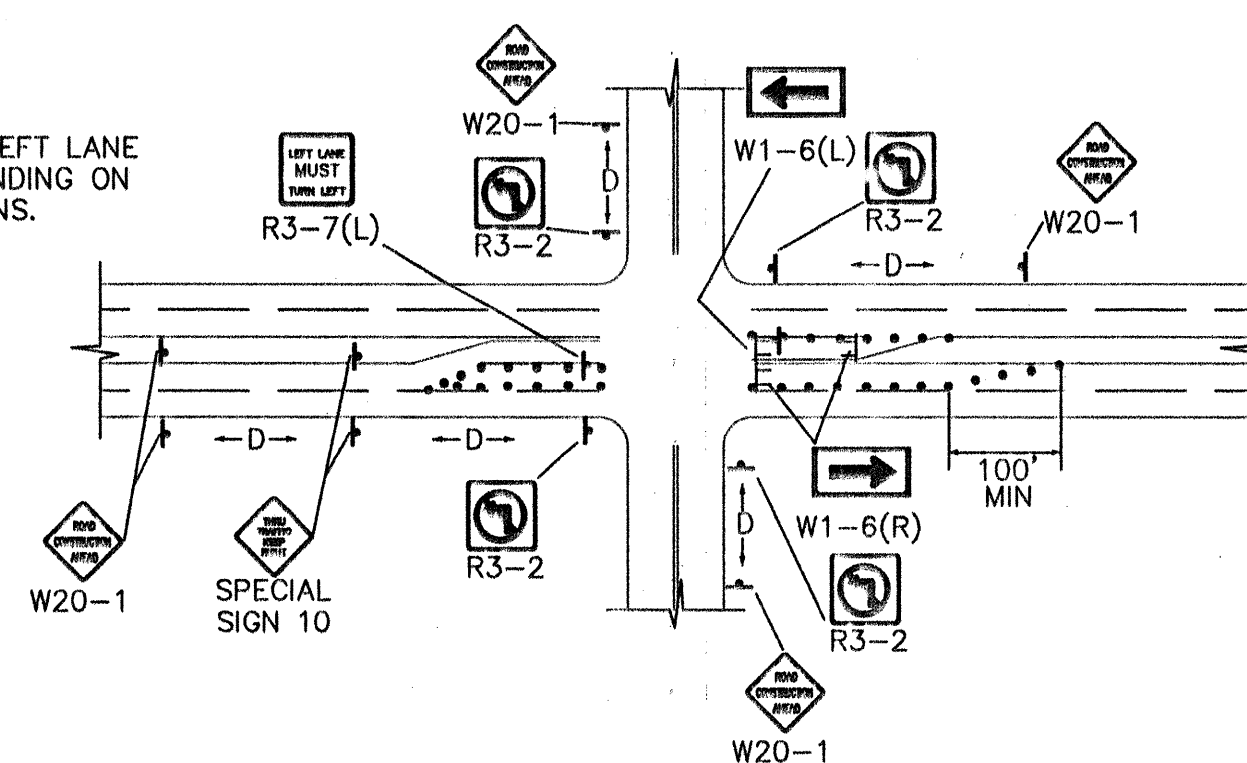
- TRAFFIC SPLIT NOTES:

1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE
OFFSET DISTANCES SHALL INCLUDE ALL WIDTHS PLUS MEDIAN WIDTHS.
2. 1/2 L IS THE MINIMUM DISTANCE FOR SHIFTING TAPER.
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.

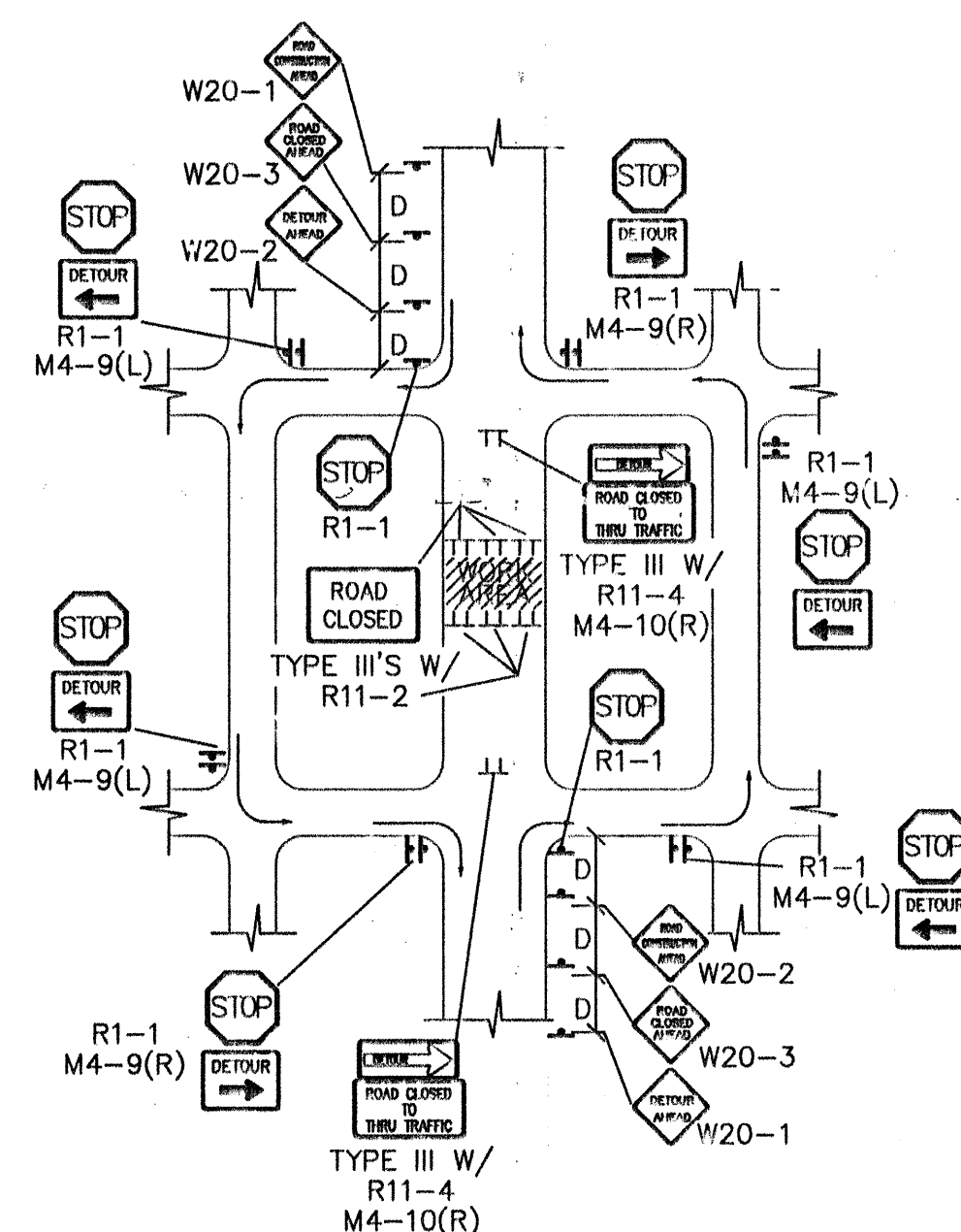


- ALL PITS TO HAVE TYPE-A FLASHING LIGHTS
- ALL PITS TO HAVE FLAGLINE

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

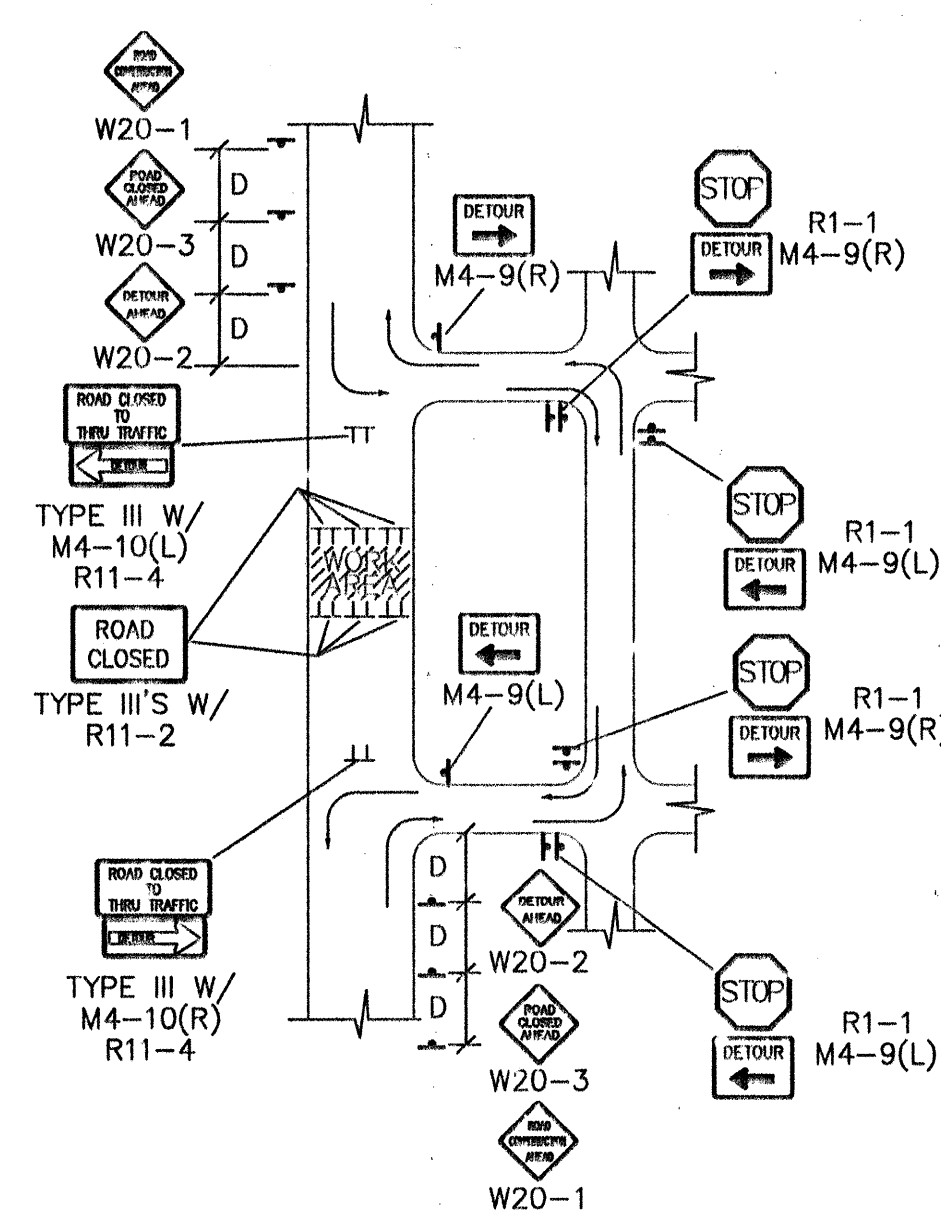


TYPICAL LANE CLOSURE AT INTERSECTION
NOTE: DEPENDING ON WORK ZONE LOCATION.



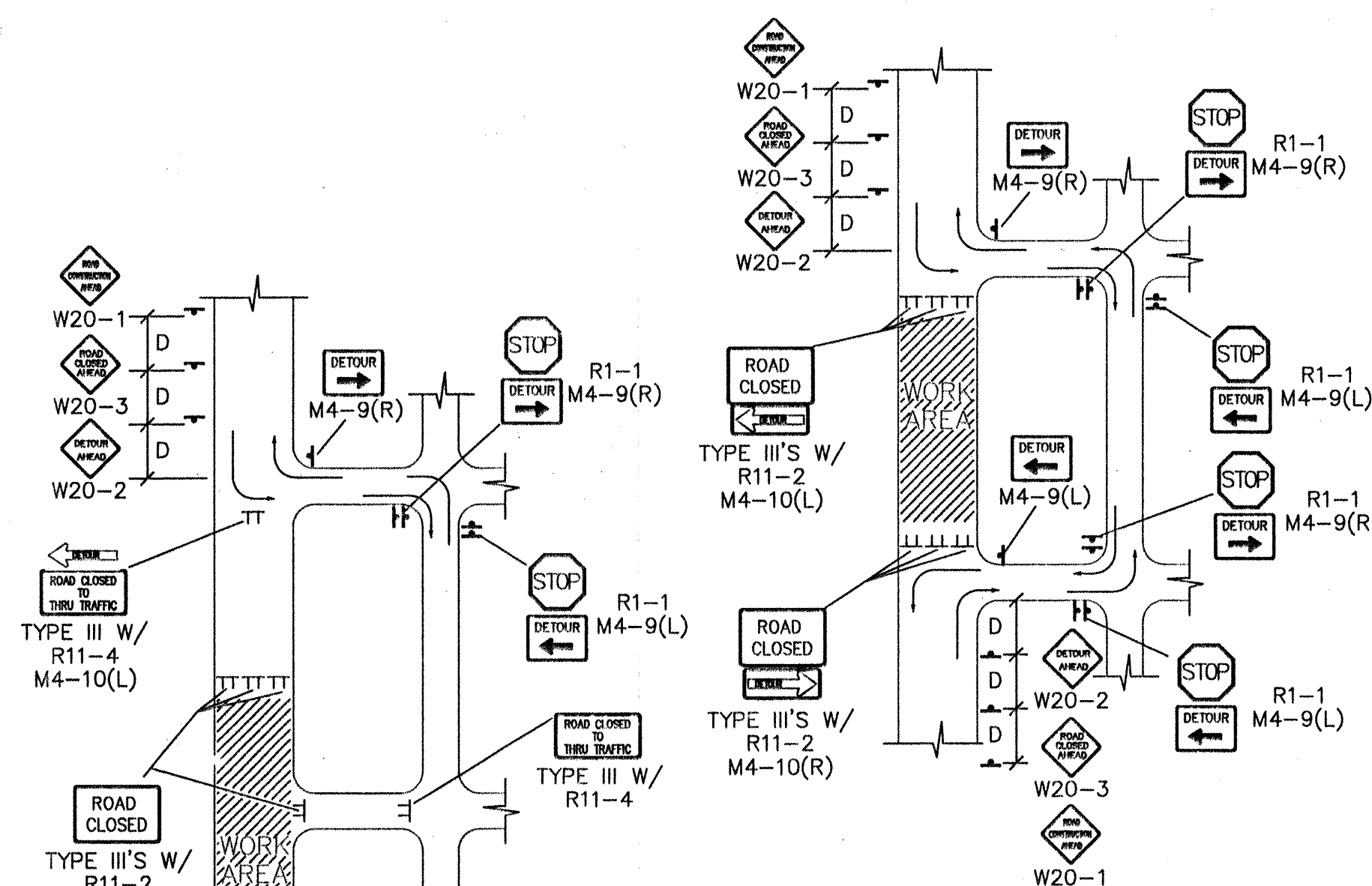
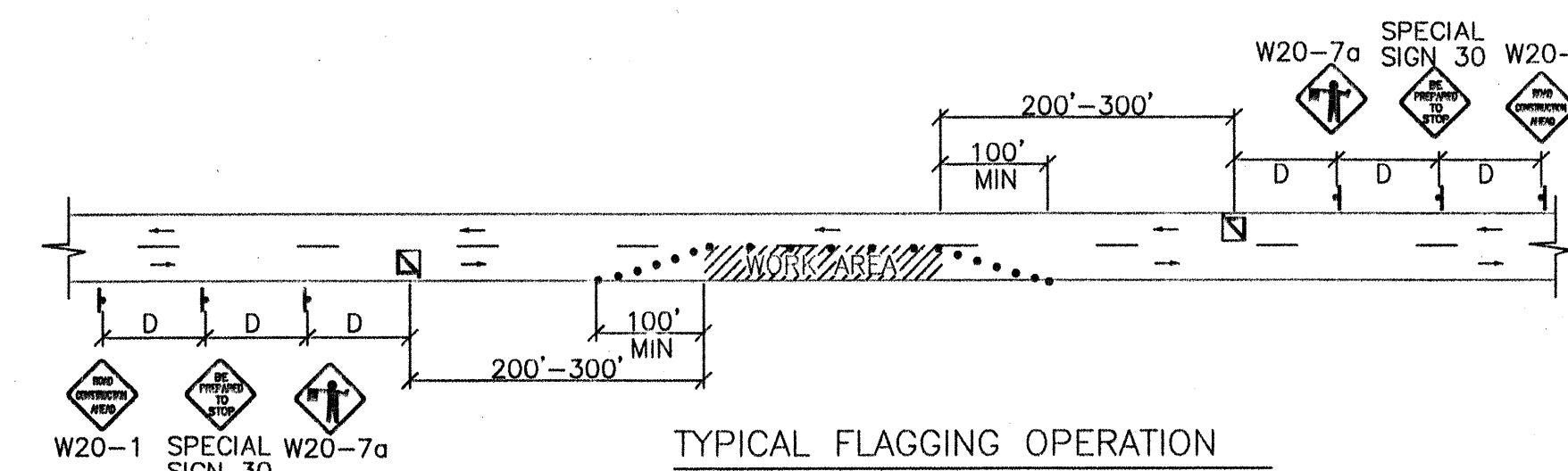
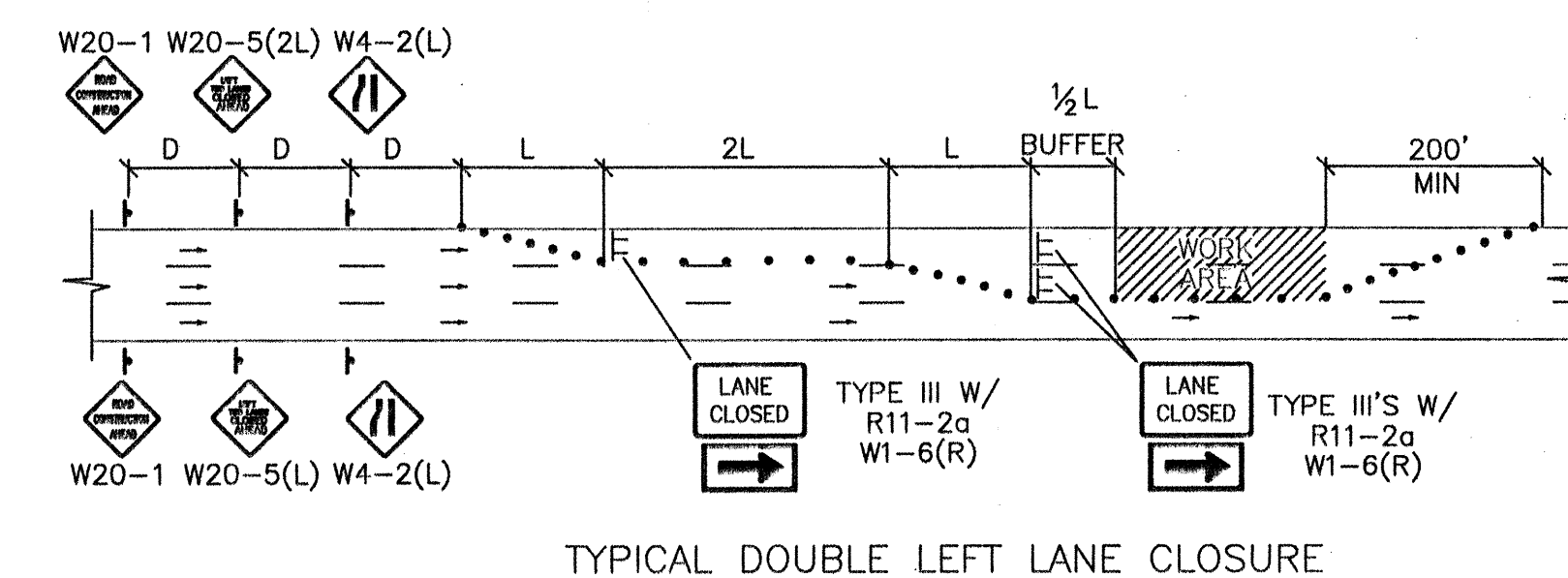
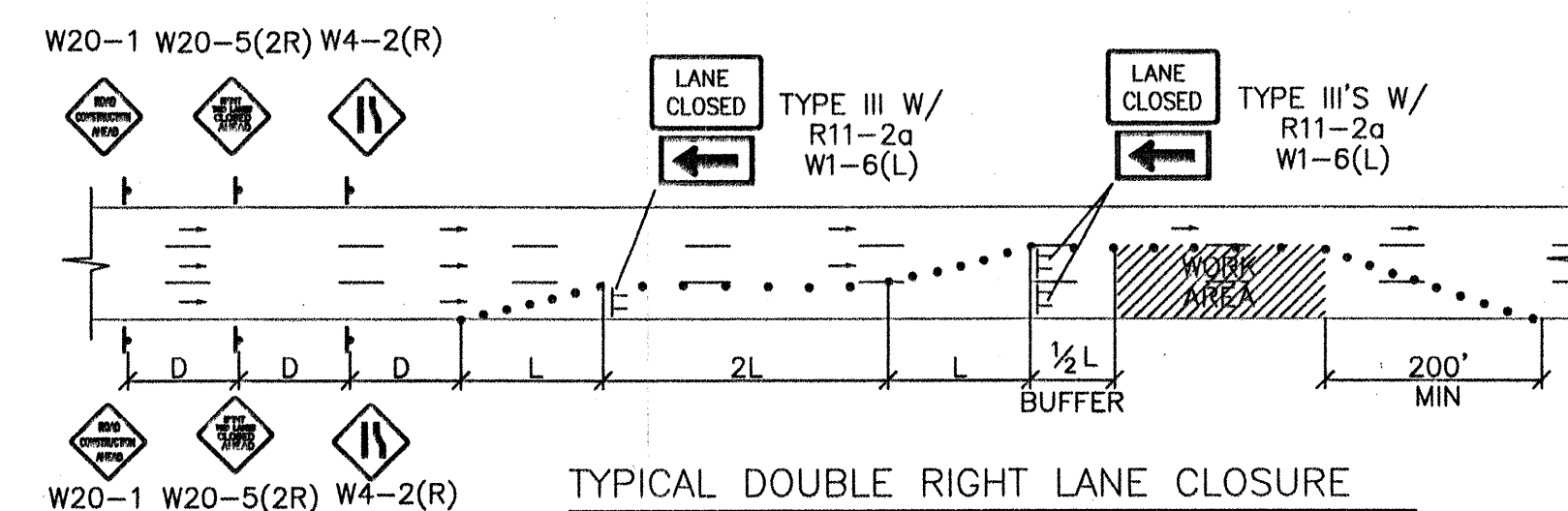
TYPICAL MID-BLOCK CLOSURE

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



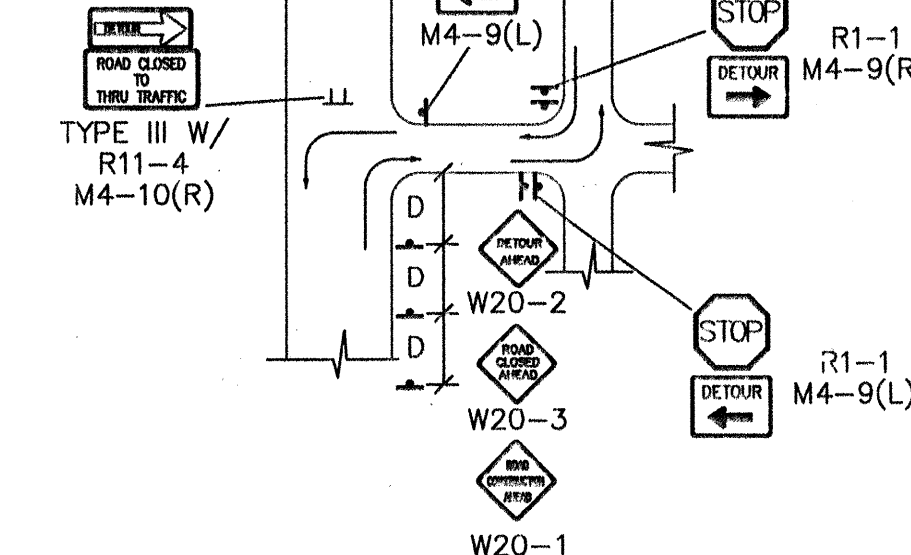
TYPICAL STREET CLOSURE

NOTE: (R1-1) BASED ON FIELD CONDITIONS



TYPICAL STREET CLOSURE

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



TYPICAL STREET CLOSURE

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

[illegible]

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. 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:

- 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.

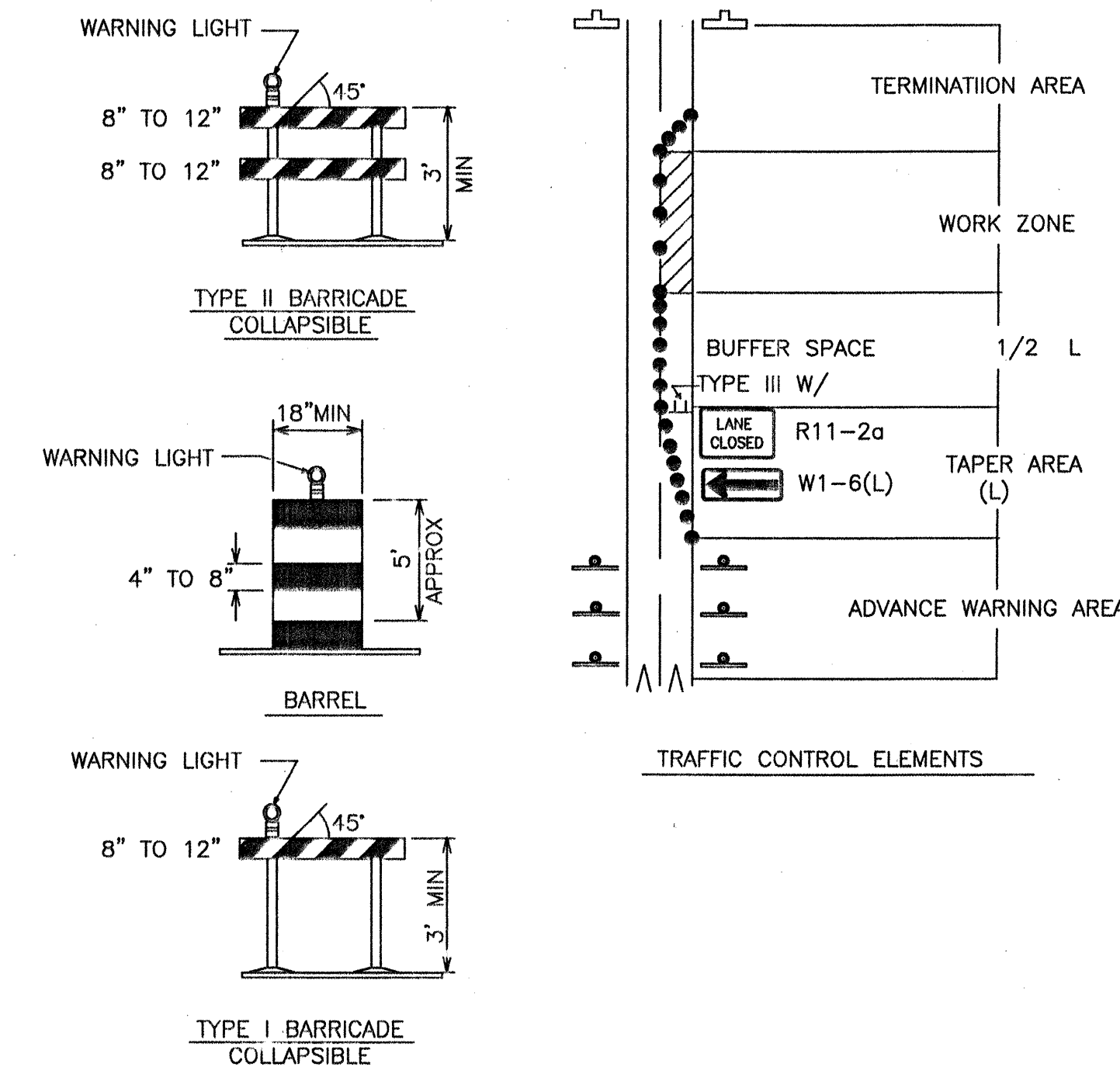
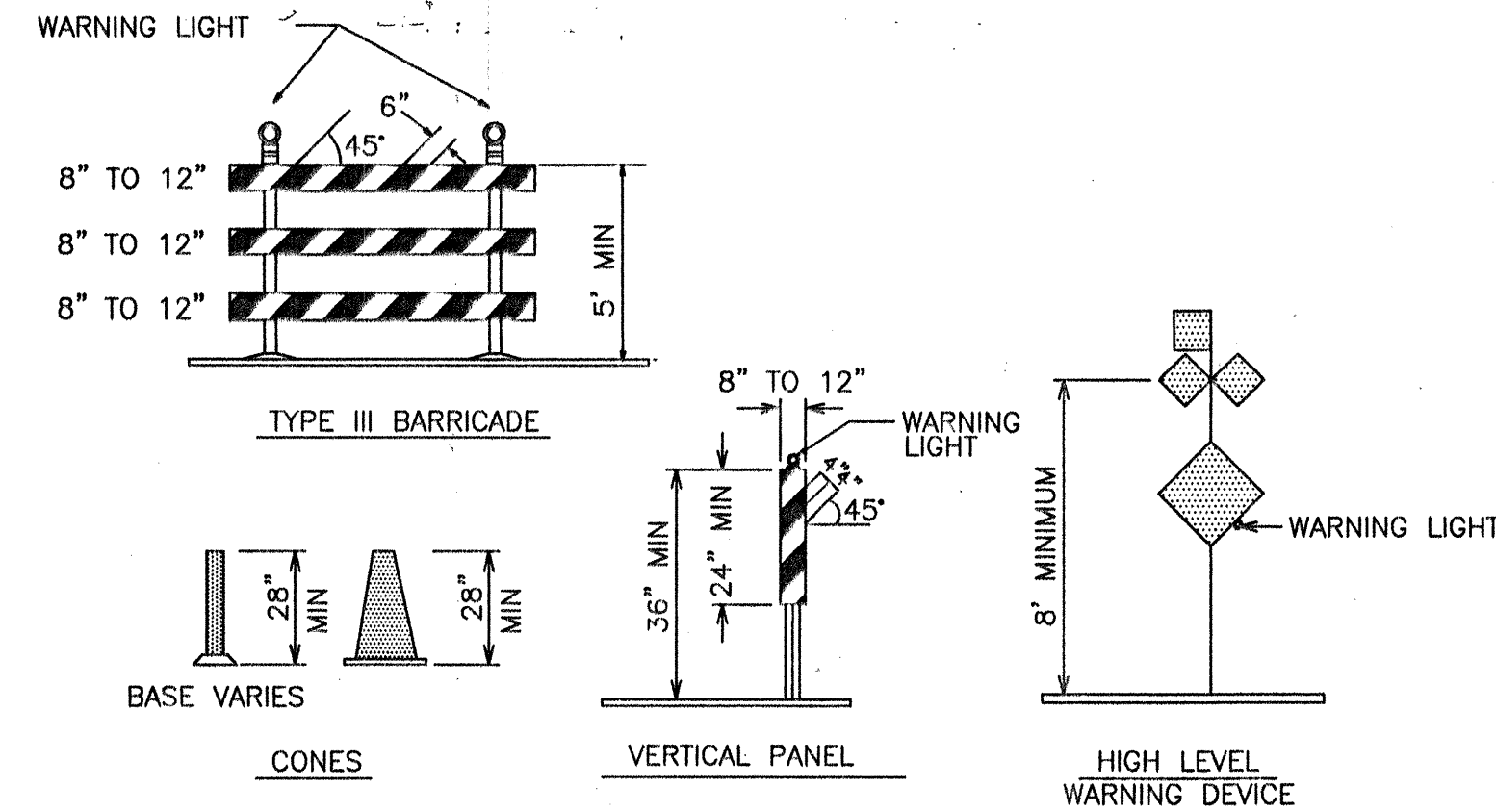
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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" 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 GRAFTITI-FREE WORKSITE. ALL GRAFTITI 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 LIMIT (MPH)	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

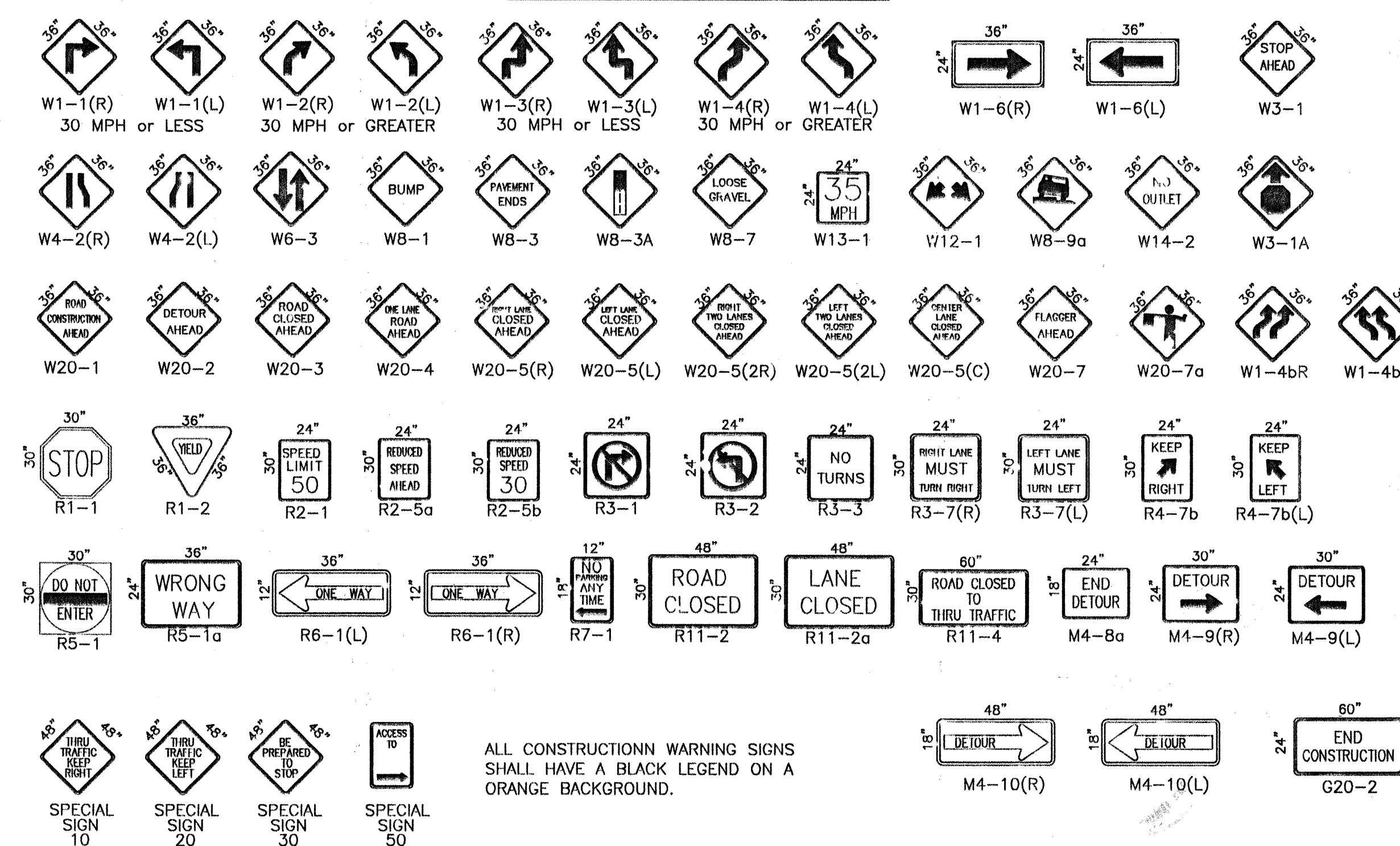
TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	L MINIMUM
MERGING TAPER	1/2 L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	100 FEET MAXIMUM
TWO-WAY TRAFFIC TAPER	100 FEET PER LANE
DOWNSTREAM TAPERS	

TAPER LENGTH COMPUTATION

SPEED LIMIT	L = WS ² / 60
40 MPH OR LESS	
40 MPH OR GREATER	L = W X 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.

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TRAFFIC CONTROL
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

DESIGN REVIEW COMMITTEE: [Signature]
CITY ENGINEER APPROVAL: [Signature]

CITY PROJECT NO. 652191
ZONE MAP NO.
SHEET 10 OF 10