

CONSTRUCTION PLANS
FOR
NETHERWOOD COMMONS
WATERLINE IMPROVEMENTS
ALBUQUERQUE, NEW MEXICO

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Mark Goodwin
DATE 11/9/98

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.

LEGEND

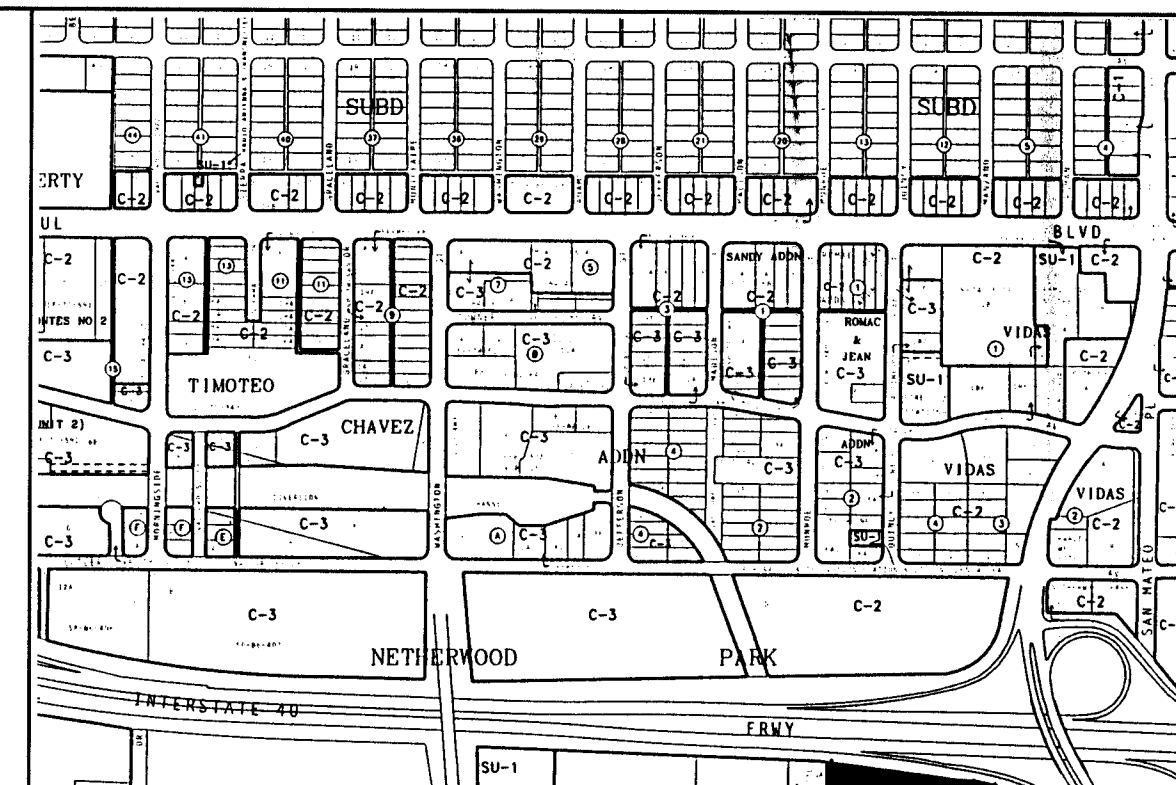
—	CURB AND GUTTER	⊠	WATER METER
■	CONCRETE	○	CABLE T.V.
⊞	ELECTRIC TRANSFORMER	⊡	POWER POLE
⊞	ELECTRIC PANEL	→	ANCHOR
○	SANITARY SEWER MANHOLE	⊞	LIGHT POLE
⊞	TELEPHONE MANHOLE	⊞	TRAFFIC LIGHT
⊞	ELECTRIC MANHOLE	⊞	CROSSWALK SIGNAL
○	STORM SEWER MANHOLE	⊞	SPRINKLER CONTROL
⊞	WATER VALVE	⊞	TRAFFIC CONTROL
⊞	FIRE HYDRANT	⊞	LIGHTING BOX
⊞	TELEPHONE BOX	⊞	SIGN
⊞	SPOT ELEVATION	⊞	GRATE

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2	WATERLINE PLAN AND PROFILE
3	TRAFFIC CONTROL PHASE I
4	TRAFFIC CONTROL PHASE II
5	TRAFFIC CONTROL PHASE III
6-7	TRAFFIC CONTROL DETAILS

RECORD DRAWING
I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, TLC, and by the surveyor, ALS, Inc., and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.
Mark Goodwin 8/31/98
Mark Goodwin NMPE 8948

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 5513.8398417



VICINITY MAP
ZONE ATLAS H-17-Z
SCALE: NONE

- GENERAL NOTES
- NOTICE TO CONTRACTORS
1. CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
 2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.
 3. 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.
 4. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
 5. 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.
 6. 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.
 7. ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOURS CONSTRUCTION. INDIAN SCHOOL & SAN MATEO ARE ARTERIALS.
 8. ALL WORK TO BE COMPLETED WITHIN SEVEN (7) WORKING DAYS.
 9. ALL STREET STRIPING/REFLECTORIZED PAVEMENT MARKINGS ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC BY CONTRACTOR IN EXISTING OR NEW LOCATION AS INDICATED BY THIS SET.

- 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.

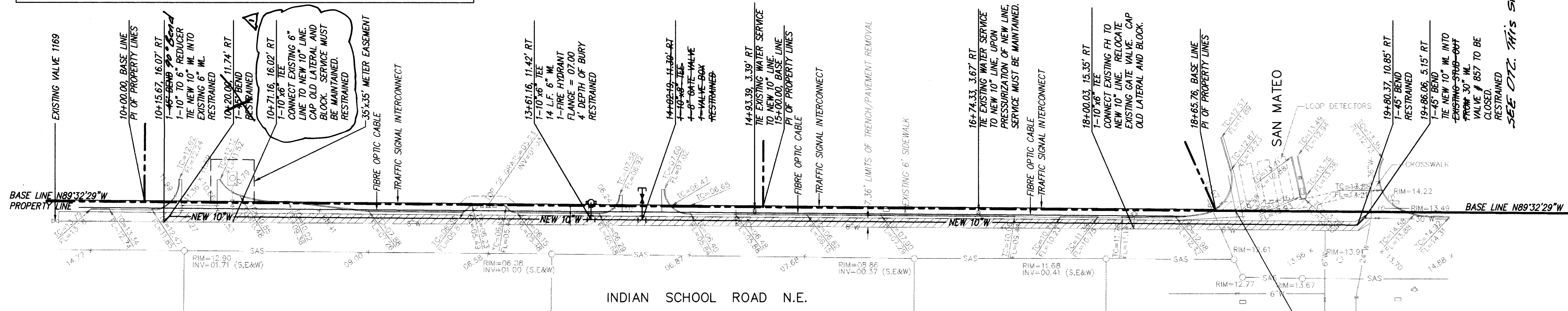
dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS & SURVEYORS
P. O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
Δ	2		10-15-98				
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION		
		DRC CHAIRMAN	<i>Julie G. Jockelyn</i>	8-5-97	<i>Mark Goodwin</i> 12/15/97 CITY ENGINEER DATE		
		TRANSPORTATION	<i>Mark Goodwin</i>	8-5-97			
		WATER/WASTEWATER	<i>Mark Goodwin</i>	8-5-97			
		HYDROLOGY	<i>Mark Goodwin</i>	8-5-97			
		C.I.P.	<i>Mark Goodwin</i>	8-5-97			
CONSTR. MGMT.		<i>Mark Goodwin</i>	8-5-97				
CITY PROJECT NO.		551383		SHEET		OF	
				1		7	

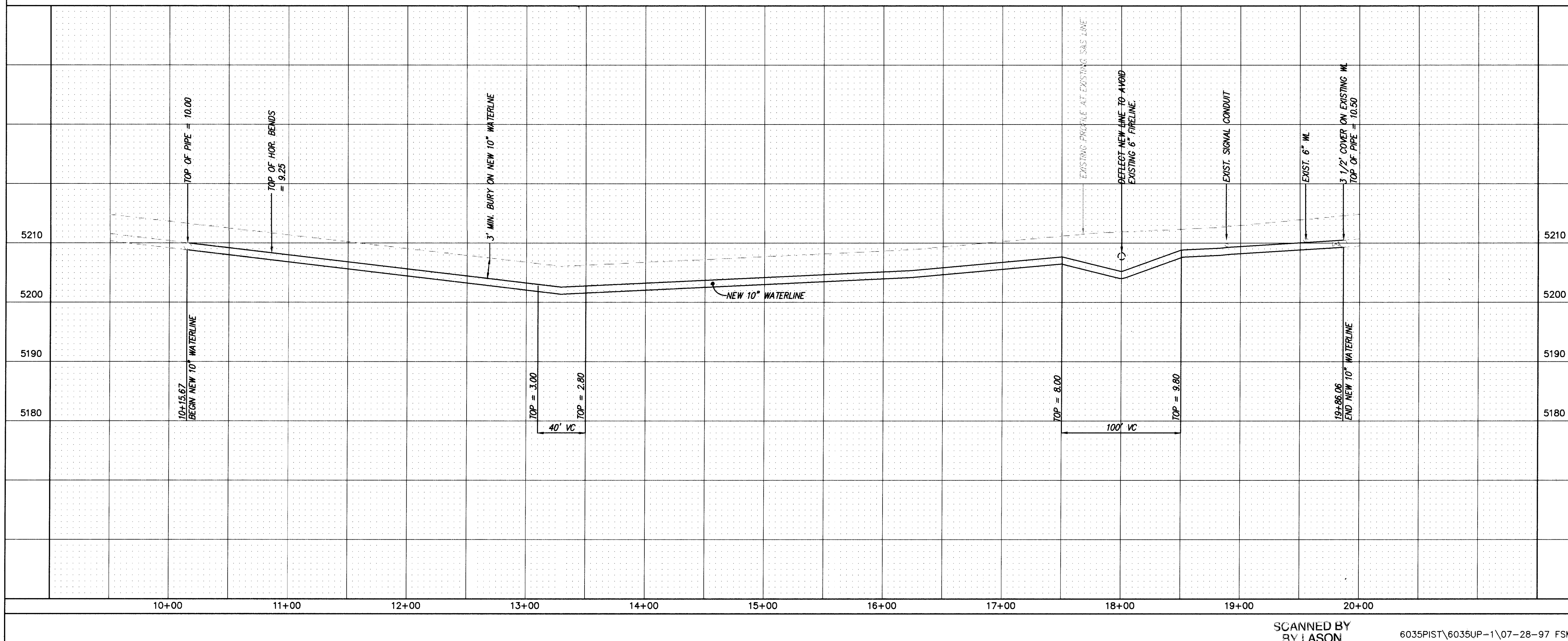
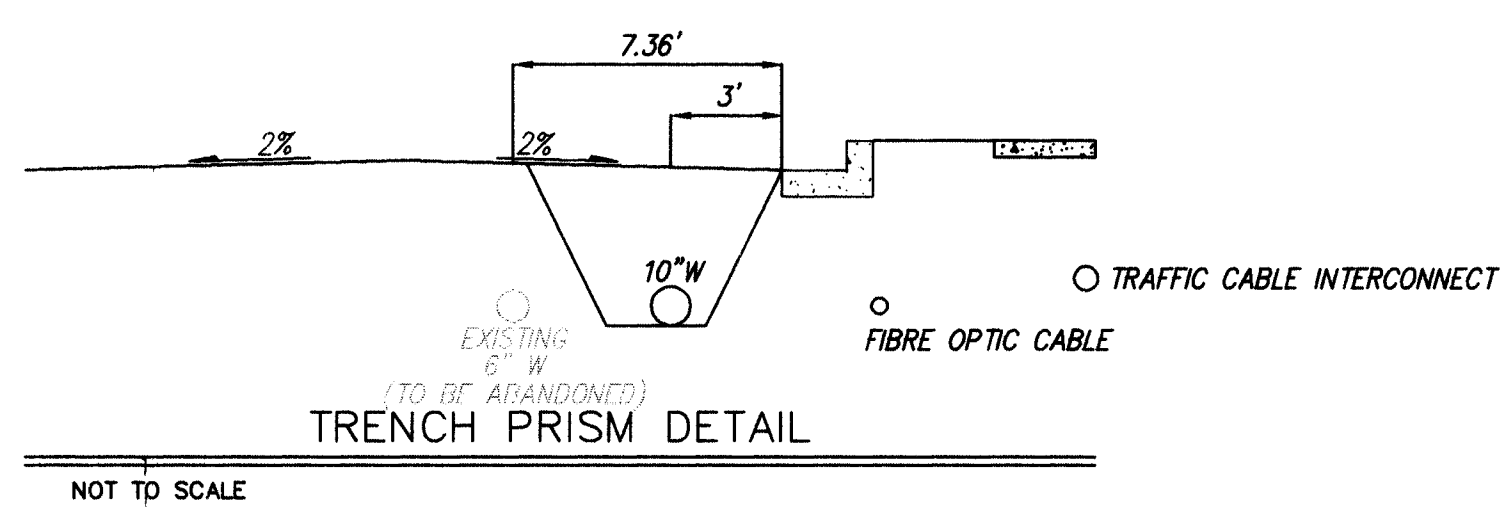
C:\WORKS\DESIGN\DESIGN-1_Net_Jul_28_12_46_19_1997

LENGTH OF RESTRAINED PIPE (FEET)							
PIPE SIZE	90	45	22.5	11.25	TEE	VALVE	REDUCER
6"	19'	7'	4'	2'	*	46'	25'
8"	22'	8'	4'	2'	*	59'	45'
10"	27'	11'	5'	3'	*	72'	65'

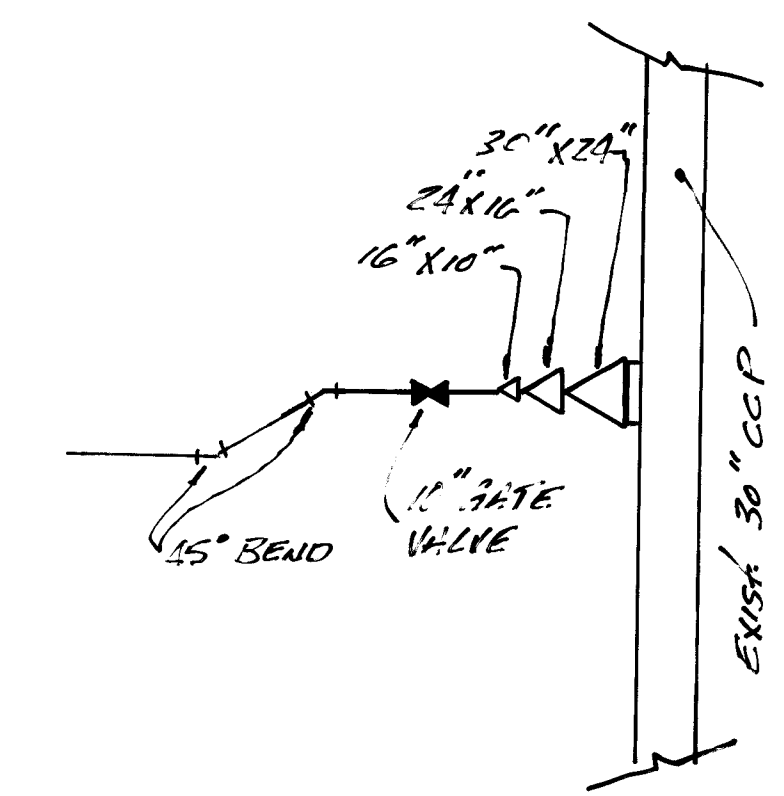
* LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND. RESTRAIN BRANCH AT FITTING ONLY. MINIMUM ATTACHED PIPE LENGTH, RUN SIDE OF TEE: 10.00 FEET.



- VALVE SHUT-OFF PLAN
1. TO CONNECT THE 8" WATERLINE, VALVES NO. 857 AND 1169 WILL HAVE TO BE CLOSED. SEE THIS SHEET.
 2. CONTRACTOR WILL CONTACT WATER SYSTEMS AT 857-8200 5 DAYS PRIOR TO NECESSARY SHUT-OFF.
 3. VALVES SHALL ONLY BE OPERATED BY CITY WATER EMPLOYEES.



1. PAVEMENT REMOVAL & REPLACEMENT PER C.O.A. STD. DWG. 2465.
2. ANY DAMAGED TRAFFIC CONTROL DEVICES MUST BE REPLACED BY THIS CONTRACTOR.
3. THREE (3) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL NOTIFY C.O.A. TRAFFIC OPERATIONS.
4. SIGNAL MODIFICATION WILL NOT BE ALLOWED.
5. CROSSWALK STRIPING THAT IS DAMAGED SHALL BE REPLACED WITH PLASTIC STRIPING.



RECORD DRAWING

I hereby certify that the information contained on this drawing has been revised in accordance with information furnished by the contractor, T.C.C. and by the surveyor, A.L.S. Inc. and reflects the construction as actually accomplished. This plan as constructed is in substantial compliance with the Approved Plan.

Mark Goodwin 6/31/18

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
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P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: NETHERWOOD COMMONS
WATERLINE IMPROVEMENTS

APPROVED
AUG - 5 1997

CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

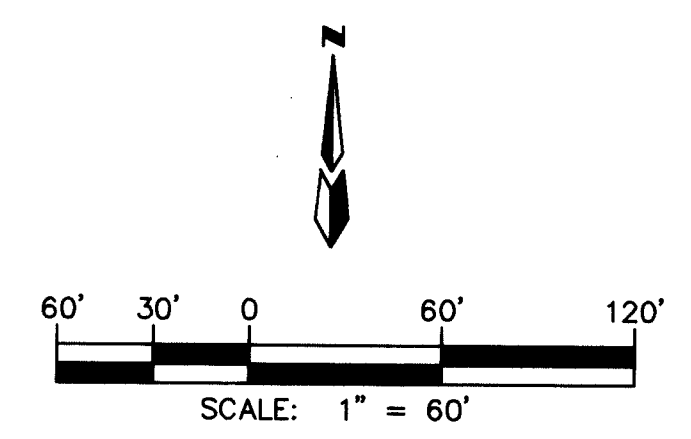
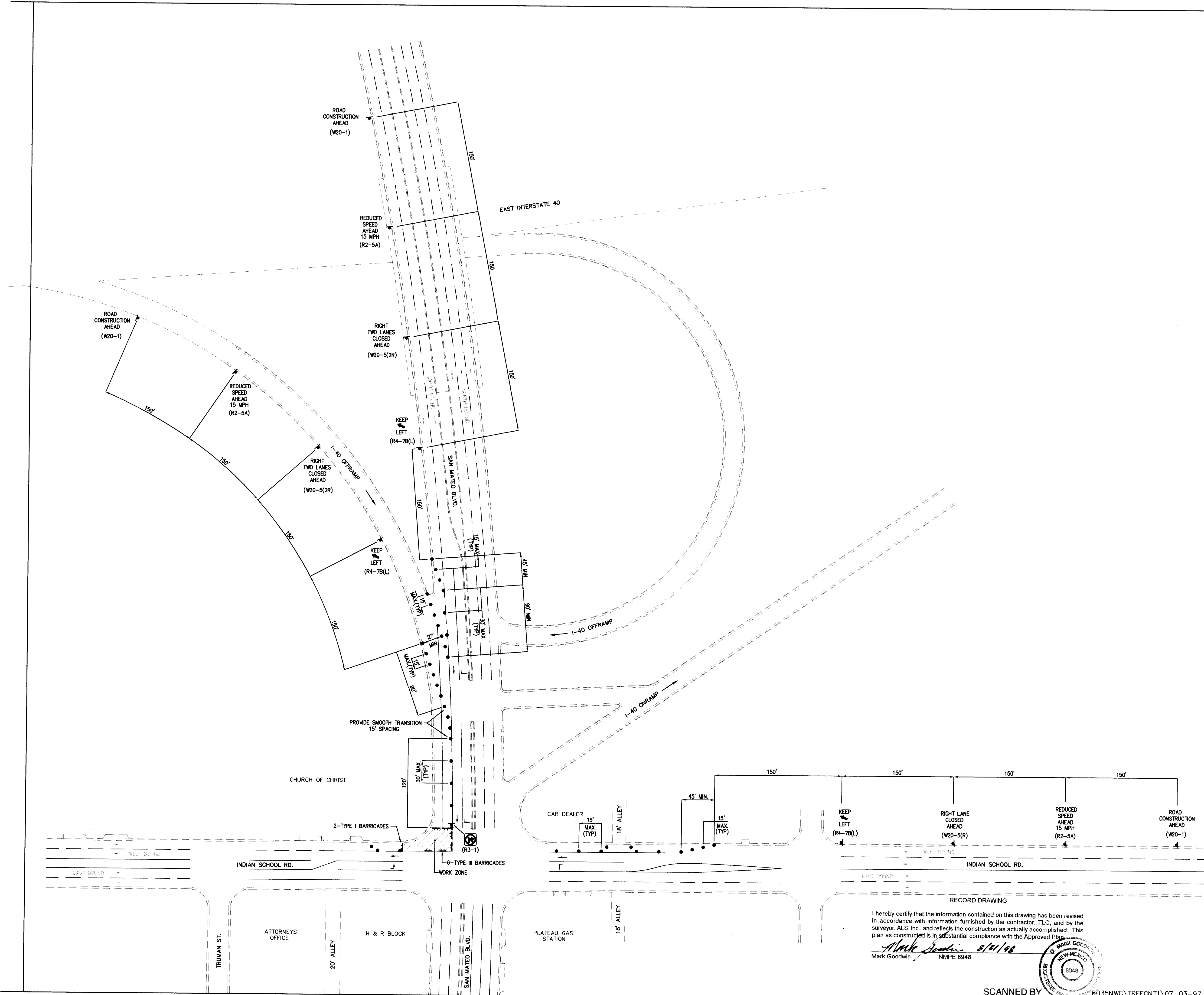
DESIGN REVIEW

CITY PROJECT NO. 551383

ZONE MAP NO. H17

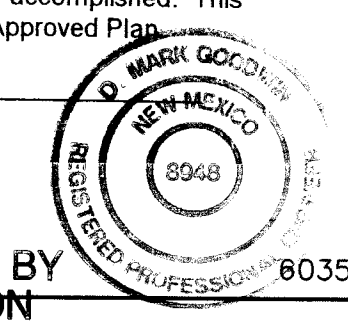
SHEET 2 OF 7

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	722	DATE	7/1/18	STATION IS STANDARD	ANUSK DISK SET IN A CONCRETE	DATE	7/1/18	NO.	1	BY	DMG	ENGINEER'S SEAL	DATE	04/19/97	
DESIGNED BY	ALS	DATE	7/1/18	POST, FLUSH WITH GROUND AND STAMPED "STA. SAN	MATED E.O.S." STATION IS 61.4' EAST OF CENTERLINE OF	DATE	7/1/18	NO.	2	BY	DMG	ENGINEER'S SEAL	DATE	04/19/97	
DESIGNED BY	ALS	DATE	7/1/18	SAN MATED BLVD. AND 176.0' NORTH OF CENTERLINE OF	INDIAN SCHOOL RD. IN THE TRIANGULAR AREA FORMED BY	DATE	7/1/18	NO.	3	BY	DMG	ENGINEER'S SEAL	DATE	04/19/97	
DESIGNED BY	ALS	DATE	7/1/18	PAMPS LEADING FROM SAN MATED TO EASTBOUND I-40.		DATE	7/1/18	NO.	4	BY	DMG	ENGINEER'S SEAL	DATE	04/19/97	
RECORDED BY	DMG	DATE	7/1/18			DATE	7/1/18	NO.	5	BY	DMG	ENGINEER'S SEAL	DATE	04/19/97	
RECORDED BY	DMG	DATE	7/1/18			DATE	7/1/18	NO.	6	BY	DMG	ENGINEER'S SEAL	DATE	04/19/97	
RECORDED BY	DMG	DATE	7/1/18			DATE	7/1/18	NO.	7	BY	DMG	ENGINEER'S SEAL	DATE	04/19/97	
RECORDED BY	DMG	DATE	7/1/18			DATE	7/1/18	NO.	8	BY	DMG	ENGINEER'S SEAL	DATE	04/19/97	
RECORDED BY	DMG	DATE	7/1/18			DATE	7/1/18	NO.	9	BY	DMG	ENGINEER'S SEAL	DATE	04/19/97	
RECORDED BY	DMG	DATE	7/1/18			DATE	7/1/18	NO.	10	BY	DMG	ENGINEER'S SEAL	DATE	04/19/97	



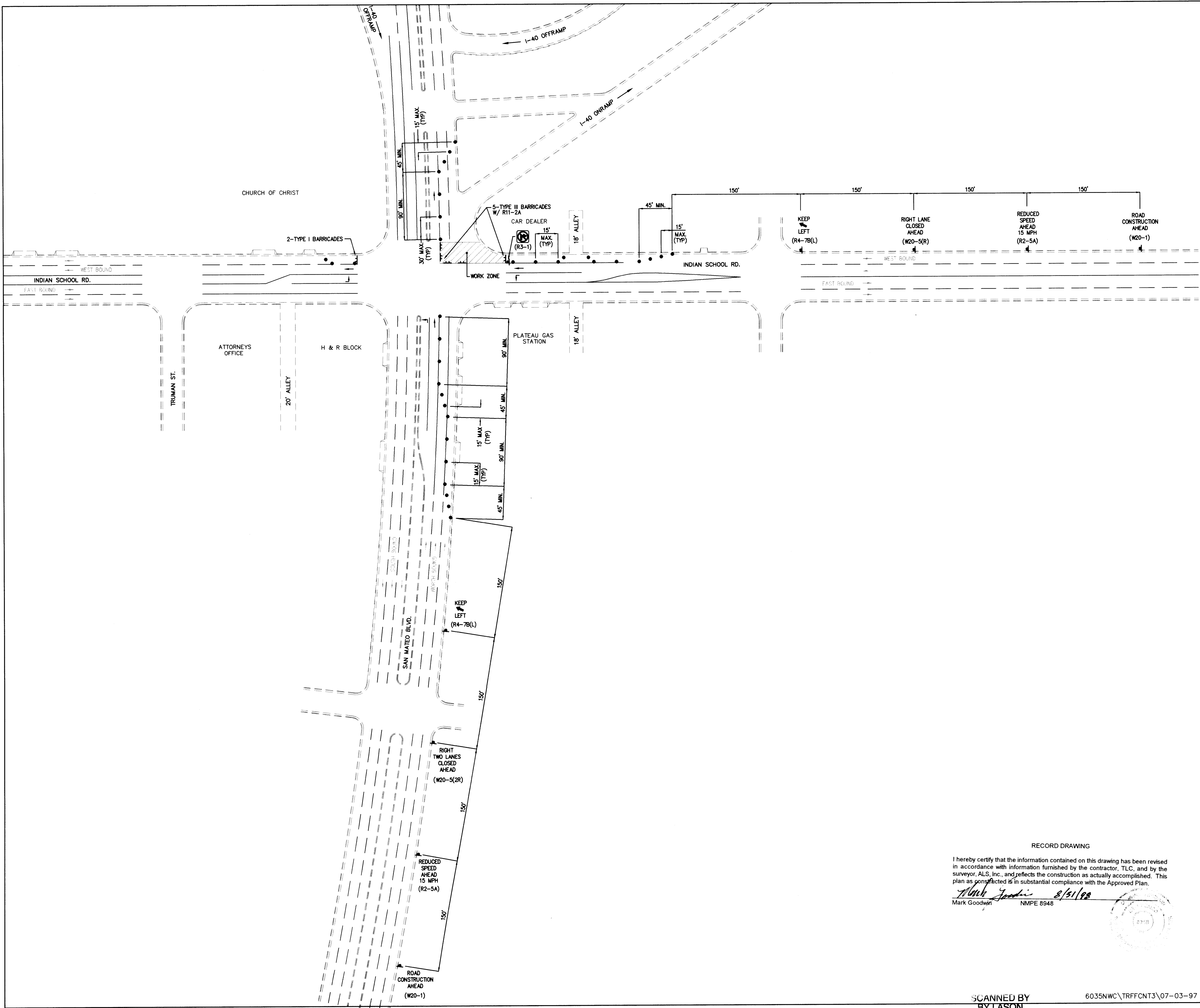
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Mark Goodwin 8/5/97
Mark Goodwin NMPE 8948



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: NEATHERWOOD COMMONS TRAFFIC CONTROL PLAN - PHASE I INDIAN SCHOOL RD. & SAN MATEO BLVD. INTERSECTION	
APPROVED AUG - 5 1997 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
CITY PROJECT NO. 551383	ZONE MAP NO. H17
DESIGNED BY DBC	DATE 07/97
DRAWN BY DBC	DATE 07/97
CHECKED BY DMG	DATE 07/97
REVISIONS	NO. DATE
DESIGN	BY

SURVEY INFORMATION			
NO.	BY	DATE	
FIELD NOTES			
ENGINEER'S SEAL			
BENCH MARKS			
NMSHC DISK SET IN CONCRETE POST FLUSH WITH GROUND STAMPED "STA. SAN MATEO E.O.S." LOCATED IN THE TRIANGULAR AREA FORMED BY RAMPS LEADING FROM SAN MATEO TO EASTBOUND I-40. X = 389,537.69 Y = 1,492,669.03 Z = 5214.015			
AS BUILT INFORMATION			
CONTRACTOR	WORK	DATE	
ALS	7/2/97		
STAMPED BY	WORK	DATE	
ALS	7/2/97		
CHECKED BY	WORK	DATE	
ALS	7/2/97		
RECORDED BY	WORK	DATE	
DMG	7/2/97		
MICRO-FILM INFORMATION			
RECORDED BY	NO.	DATE	
DMG			



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dmg D. MARK GOODWIN & ASSOCIATES, P.A. CONSULTING ENGINEERS & SURVEYORS P.O. BOX 90606 ALBUQUERQUE, NEW MEXICO 87199 (505) 828-2200	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: NEATHERWOOD COMMONS TRAFFIC CONTROL PLAN - PHASE III INDIAN SCHOOL RD. & SAN MATEO BLVD. INTERSECTION	
APPROVED AUG - 5 1997 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL
CITY PROJECT NO. 551383	ZONE MAP NO. H17
SHEET 5 OF 7	

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
FIELD NOTES		MUSIC DISK SET IN CONCRETE POST FLUSH WITH GROUND STAMPED "STA. SAN MATEO E.O.S." LOCATED IN THE TRIANGULAR AREA FORMED BY RAMPS LEADING FROM SAN MATEO TO EASTBOUND I-40		CONTRACTOR TLC	
NO. BY DATE		X = 399,537.63 Y = 1,402,669.03 Z = 5214.015		WORK DATE 7/98	
				INSPECTOR'S DATE 8/98	
				ACCEPTANCE BY DATE 8/98	
				DRAWING BY DATE 8/98	
				MICRO-FILM INFORMATION	
				RECORDED BY DATE	
				NO.	

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. CONTRACTOR SHALL NOT BEGIN WORK BEFORE 7:00 A.M. OR END WORK AFTER 7:00 P.M. WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 24 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

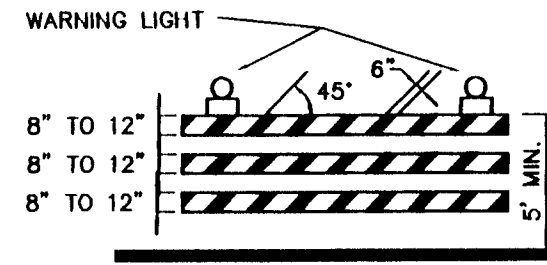
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC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

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

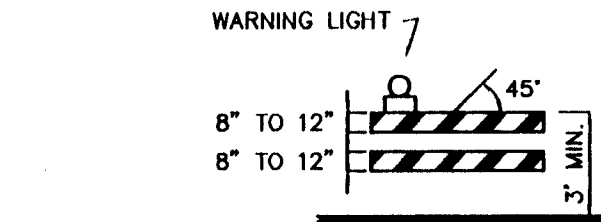
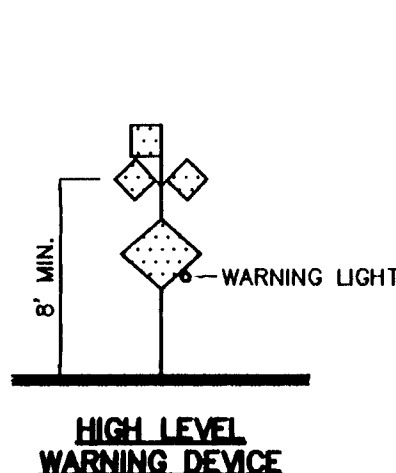
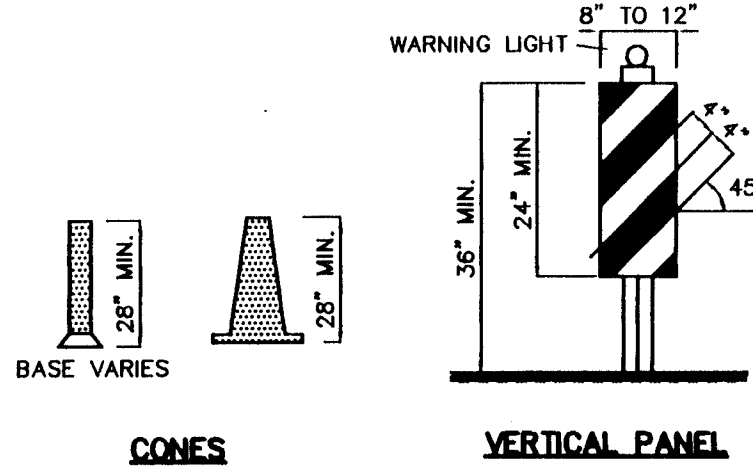
24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

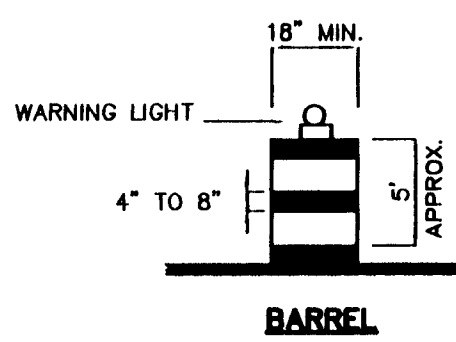
26. ADVANCE WARNING SIGNS SHALL BE 36"x36" WITH SUPER ENGINEERING GRADE SHEETING OR BETTER.



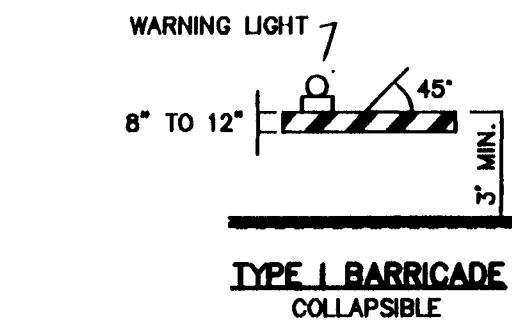
TYPE III BARRICADE



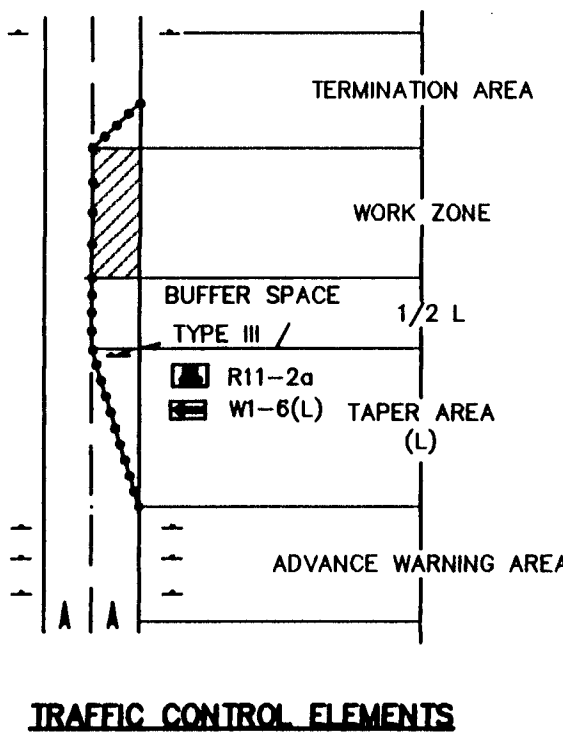
TYPE II BARRICADE COLLAPSIBLE



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 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

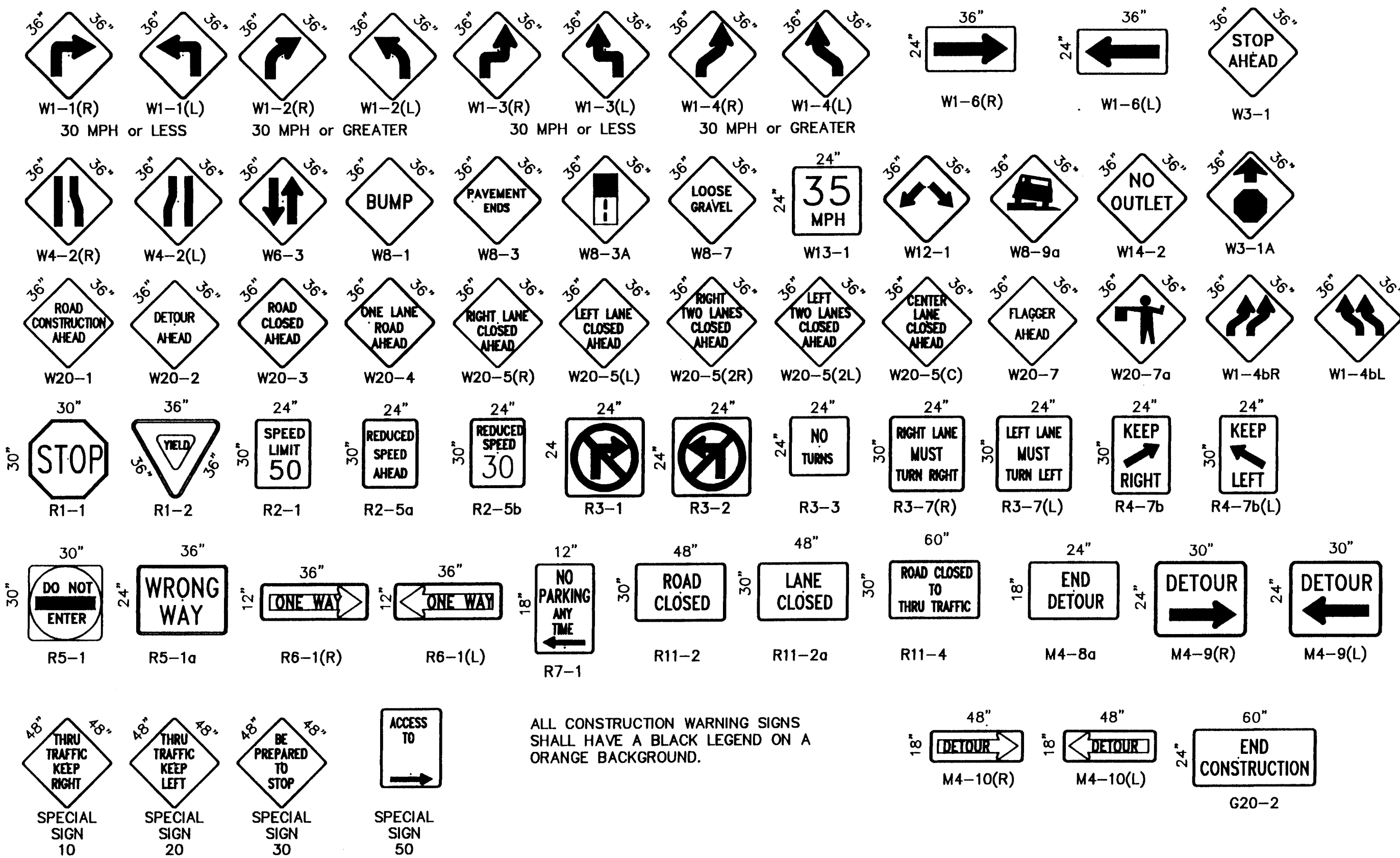
TAPER CRITERIA

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	$L = \frac{WS^2}{60}$
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.

