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26-6946.81-2011

CONSTRUCTION PLANS

SCANNED BY
PLANNING

FOR

DRURY INN

UTILITY IMPROVEMENTS

CITY OF ALBUQUERQUE
NEW MEXICO
SEPTEMBER 2002

JW

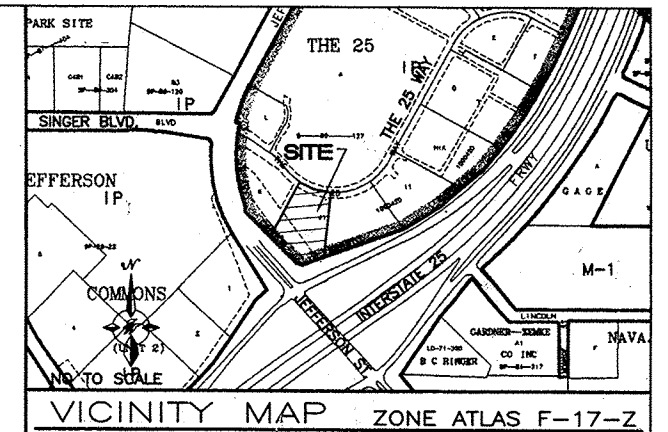
For Information Only

APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
Anthony Lopez
DATE: 3-10-2011

* Field Verified
NOT as-built drawings

INDEX TO DRAWINGS

1. TITLE SHEET
2. PLAT
- 2A. PLAT
3. MASTER UTILITY PLAN
4. UTILITY IMPROVEMENTS
SANITARY SEWER SERVICE CONNECTION
5. TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES
6. SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS



NOTICE TO CONTRACTORS

1. 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 EDITION (UPDATE #6)
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (280-1990) FOR LOCATION OF EXISTING UTILITIES.
3. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES 24-HOUR CONSTRUCTION.
4. PRIOR TO 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 SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATIONS DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (788-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
7. 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. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE DESIGNER'S EXPENSE.
8. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

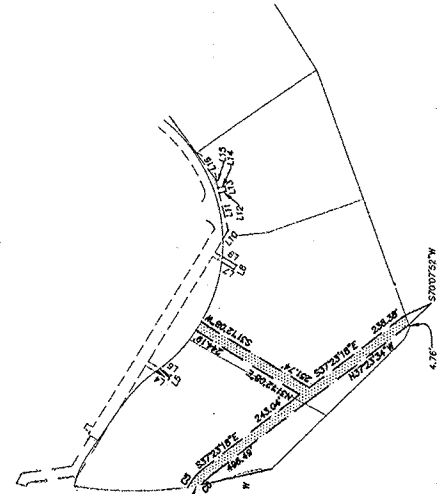
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE PROJECT ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER 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.

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

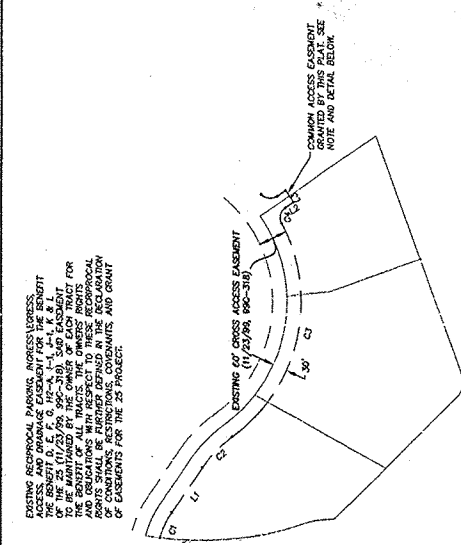
REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE							
APPROVALS		ENGINEER		DATE		APPROVED FOR CONSTRUCTION	
DRC Chairman		<i>Anthony Lopez</i>		10-4-02		APPROVED FOR CONSTRUCTION	
Transportation		N/A		9/18/02			
Water/Wastewater		<i>Nancy Dominguez</i>		9/21/02			
Hydrology		<i>Carol Montoya</i>		9-22-02			
C.I.P.							
Constr. Mngmt.							
Constr. Coord.		<i>Don Kent</i>		10-4-02			
CITY PROJECT NO.				SHEET			
694681				1 OF 6			

Plat of
TRACTS J-1-A-1, J-1-B-1 AND K-1-A
The 25
Albuquerque, Bernalillo County, New Mexico
January 2002

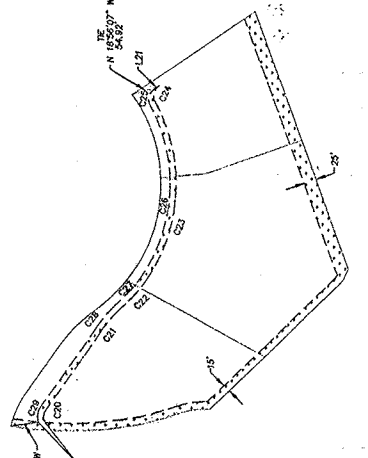
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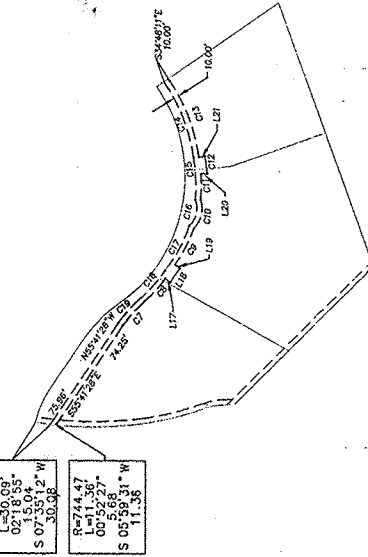
Existing Water & Sanitary Sewer Easement Details



Existing Access Easement Details



Existing Landscape Easement Details



Existing Public Utility & Sanitary Sewer Easement Details

Curve Table							DELTA	
CURVE	RADIUS	TANGENT	BEARING	CHORD	DELTA			
1	1750.01'	58.79'	29.68°	N 85°55'31" W	58.50'			19246.10"
2	256.05'	49.62'	43.08°	N 45°13'57" E	48.81'			183921.17"
3	344.63'	498.62'	30.45°	S 77°03'57" E	456.11'			878291.77"
4	25.00'	38.55'	22.42°	N 78°41'45" W	43.35'			62548.39"
5	112.14'	38.74'	22.42°	N 49°52'04" W	44.38'			24345.10"
6	242.00'	61.56'	31.84°	N 44°37'45" W	71.10'			142920.25"
7	340.00'	61.56'	31.84°	N 44°37'45" W	71.10'			142920.25"
8	242.01'	61.56'	30.86°	S 49°37'37" E	61.48'			107414.18"
9	267.68'	80.28'	40.45°	S 62°36'55" E	79.59'			171701.00"
10	57.00'	63.60'	35.57°	S 77°17'40" E	60.35'			63593.44"
11	278.00'	50.20'	25.17°	S 89°41'58" E	50.13'			10270.45"
12	249.00'	35.56'	17.80°	N 82°35'57" W	35.53'			67070.50"
13	381.97'	169.36'	83.63°	N 69°41'21" E	166.90'			28172.58"
14	381.97'	169.36'	83.63°	N 69°41'21" E	166.90'			28172.58"
15	337.93'	83.91'	43.17°	N 88°12'01" E	83.69'			6917.25"
16	47.00'	56.85'	53.44°	S 77°14'30" E	53.44'			6917.25"
17	304.37'	100.05'	50.48°	S 61°41'30" E	99.50'			165000.00"
18	332.00'	74.05'	37.18°	S 49°41'40" E	73.91'			12746.51"
19	300.00'	64.88'	32.56°	S 49°29'51" W	64.73'			12721.14"
20	283.00'	64.88'	32.56°	N 87°12'15" W	74.04'			6301.33"
21	244.00'	38.53'	14.10°	S 48°29'12" W	76.58'			15224.14"
22	344.00'	76.74'	38.53°	S 48°29'12" W	76.58'			15224.14"
23	344.04'	372.75'	207.04°	S 67°24'27" E	354.79'			67043.16"
24	255.00'	36.35'	25.17°	S 89°41'56" E	50.13'			16204.45"
25	25.00'	36.45'	22.34°	N 78°35'27" W	53.32'			83134.03"
26	332.04'	359.49'	199.63°	S 87°21'31" E	342.18'			87213.54"
27	306.00'	71.06'	37.18°	S 49°41'40" E	73.91'			12746.51"
28	306.00'	71.06'	37.18°	N 88°12'01" E	83.69'			12746.51"
29	35.00'	16.72'	16.72°	S 48°29'12" W	39.17'			1723.54"

Curve Table

	EXISTING 10' PUBLIC UTILITY EASEMENT TO REMAIN
	EXISTING 20' PUBLIC WATERLINE EASEMENT TO REMAIN
	EXISTING 25' PUBLIC WATER AND SEWER EASEMENT TO REMAIN
	EXISTING LANDSCAPE EASEMENT TO REMAIN

PNM Electric & Gas Services Easement Release Approval

BY: *R. L. Phil.*
PMM ELECTRIC AND GAS SERVICES

STATE OF NEW MEXICO, SS
COUNTY OF BERNALILLO

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS 22 DAY OF July 2002, BY Roberto Pulido of PUBLIC SERVICE COMPANY OF NEW MEXICO, A NEW MEXICO CORPORATION, ON BEHALF OF SAID CORPORATION.

OFFICIAL SEAL
Karen Stewart
NOTARY PUBLIC
STATE OF NEW MEXICO

My Commission Expires: **1-1-93**

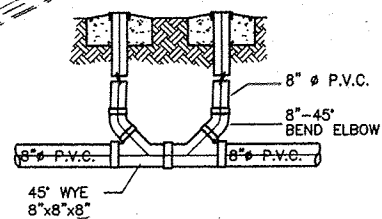
PRECISION SURVEYS, INC.

8414-D JEFFERSON ST., N.E. · PHONE 505 856 5700
ALBUQUERQUE, NEW MEXICO 87113 · FAX 505 856 7900

Project No. 1000420

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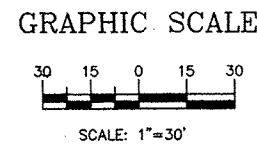
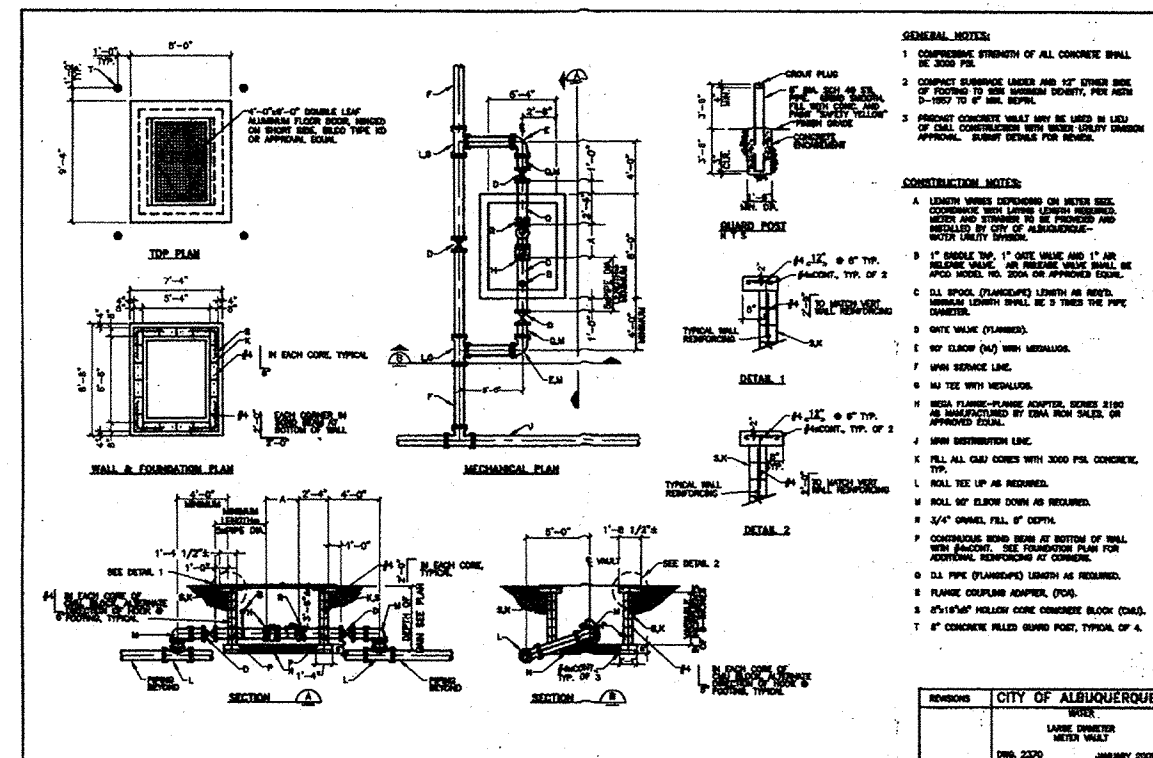
JEFFERSON ST. N.E.



NTS

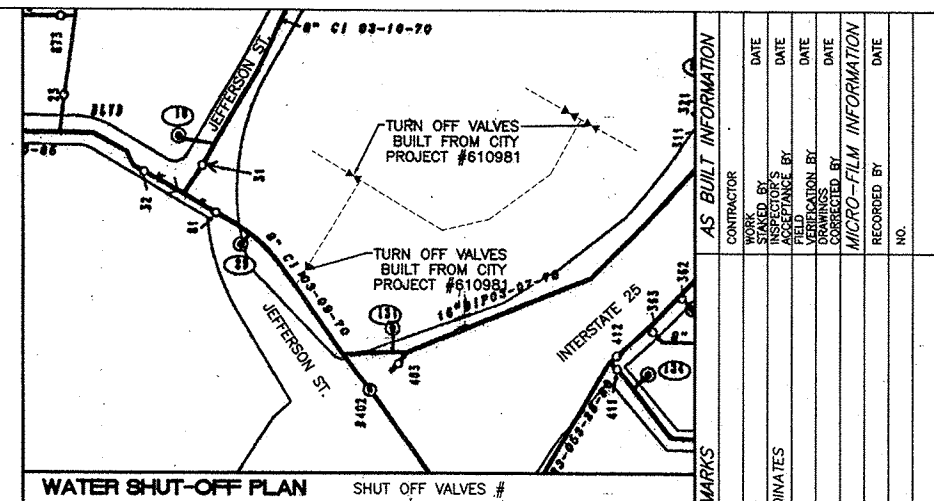
LEGEND

- LEGEND**



CAUTION:

CAUTION:



1. ONLY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
2. NOTIFY CITY OF ALBUQUERQUE, WATER SYSTEMS DIVISION (PHONE 857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF NEEDING EXECUTION OF THE WATER SHUT OFF PLAN
3. APPROXIMATE SHUT OFF TIME WILL BE 24 HOURS.
4. SHUTOFF THE VALVES INDICATED IN THE ABOVE PLAN

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION		
		FIELD NOTES:		ACS "1-25-17" CENTRAL STATION DATA NM STATE PLANE COORDINATES Central Zone X=397880.77 Y=1507953.25 G-G=0.99866461 Δ= -00711'48" ELEV=5171.10		CONTRACTOR WORK STAKED BY FIELD ACCEPTANCE BY FIELD DRAWINGS CORRECTED BY MICRO-FILM INFORMATION RECORDED BY NO.		
		NO.	BY					DATE
NO.	DATE	REMARKS	BY					
REVISIONS								
DESIGN								
DESIGNED BY	JDN	DATE	08-02					
DRAWN BY	JDN	DATE	08-02					
DRAWING NAME:		2141MUDRC.DWG						
CHECKED BY	RRB	DATE	08-02					

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **DRURY INN**
MASTER UTILITY PLAN

FOREIGN REVIEW COMMITTEE APPROVED		CITY ENGINEER APPROVAL APPROVED	DATE
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DESIGN

REVIEW COMMITTEE	CITY ENGINEER	LAST
CITY PROJECT NO.		ZONE MAP NO.

694681	F-17-Z
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MO./DAY/YR.	MO./DAY/YR.
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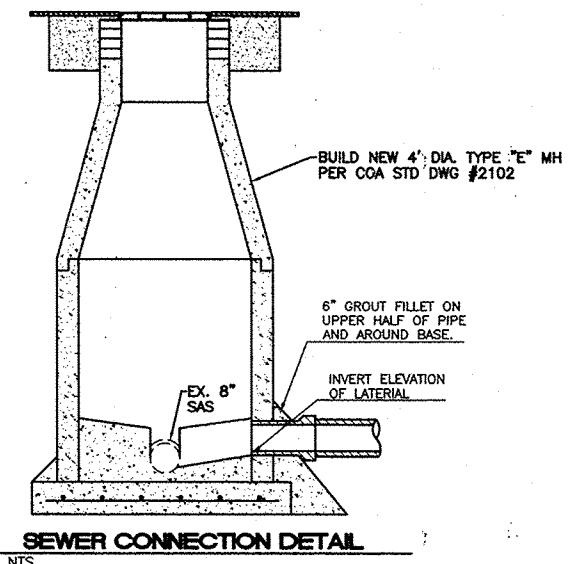
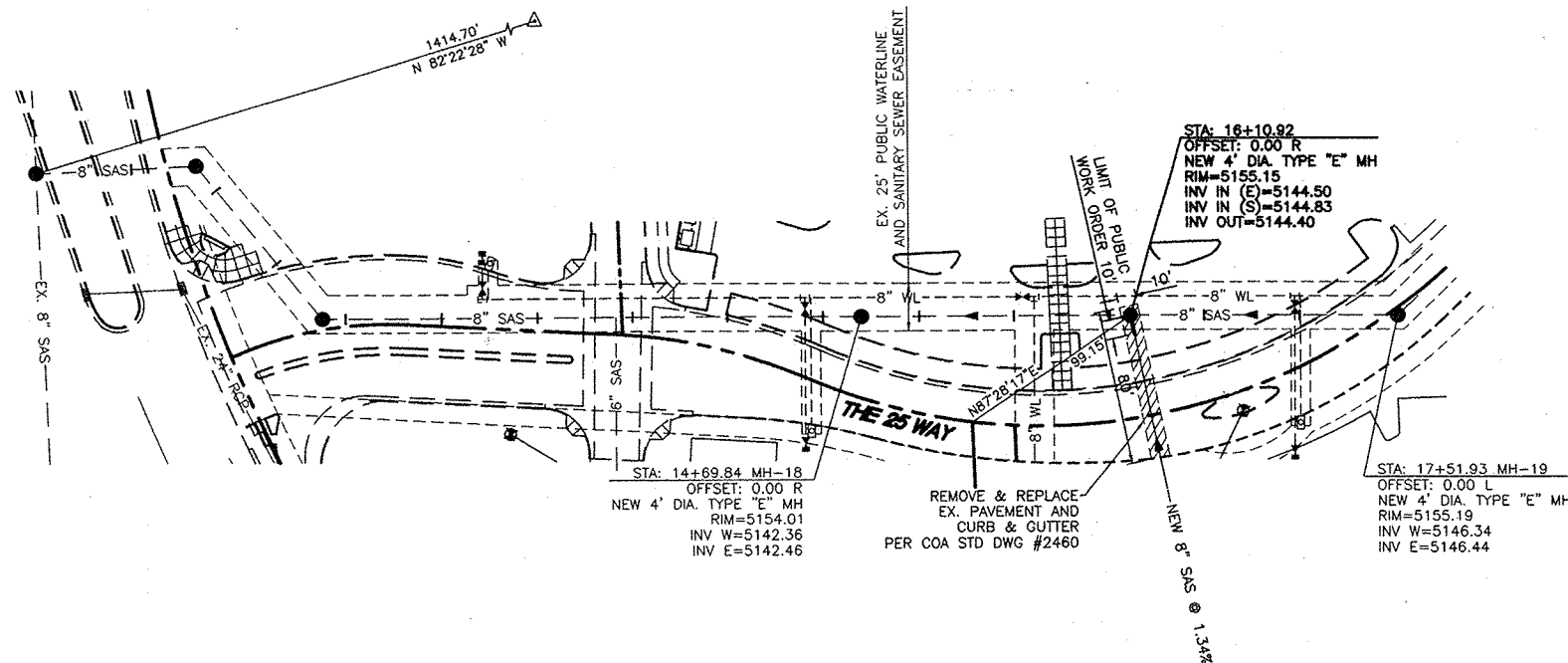
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SCANNED BY
PLANNING

10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00



SCALE: HORIZ. 1"=50'
VERT. 1"=5'

5170

5165

5160

5155

5150

5145

5140

5135

5130

5125

EXISTING GRADE
CL OF SAS

EX. 8" C-900 PVC

EX. 8" SAS

STA: 16+10.92
OFFSET: 0.00 R
NEW 4' DIA. TYPE "E" MH
RIM=5155.15
INV IN (S)=5144.50
INV IN (E)=5144.83
INV OUT=5144.40

TIERRA WEST, LLC
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ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **DRURY INN**
UTILITY IMPROVEMENTS
8" SANITARY SEWER SERVICE CONNECTION

DESIGN REVIEW COMMITTEE
APPROVE
OCT - 2 2002

CITY ENGINEER APPROVAL
APPROVE
OCT 3 0 2002
CITY ENGINEER

CITY PROJECT NO.

694681

ZONE MAP NO.

F-17-Z

SHEET

OF

4 6

NO. BY DATE

ENGINEER'S SEAL



REVISIONS
NO. DATE BY

DESIGNED BY JDN DATE 08-02
DRAWN BY JDN DATE 08-02
CHECKED BY RRB DATE 08-02

AS BUILT INFORMATION

BENCH MARKS

SURVEY INFORMATION

ENGINEER'S SEAL

REVISIONS
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ZONE MAP NO.

F-17-Z

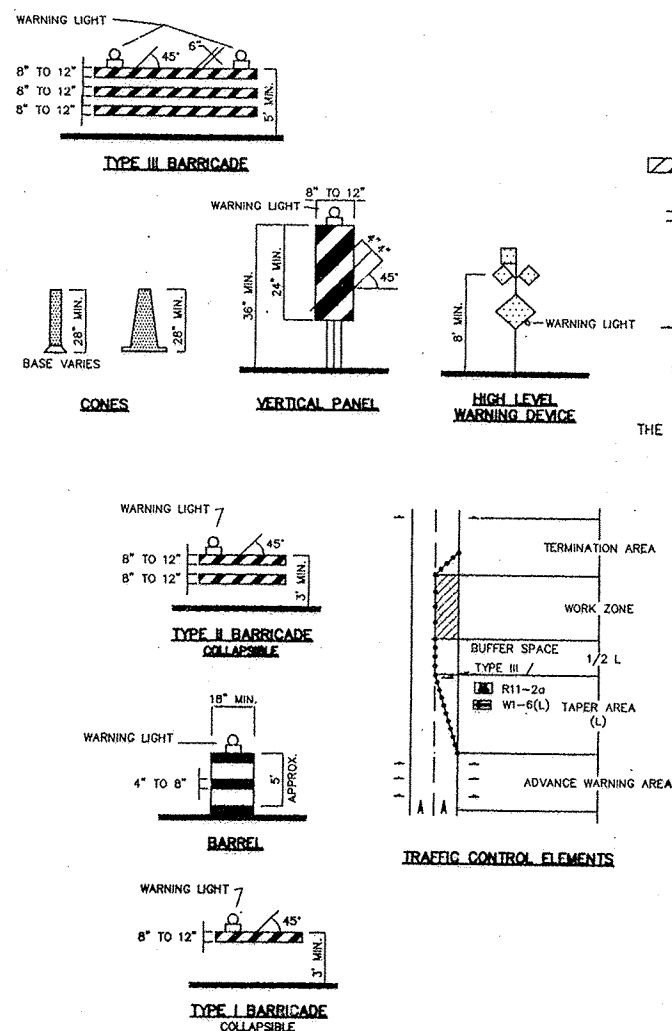
SHEET

OF

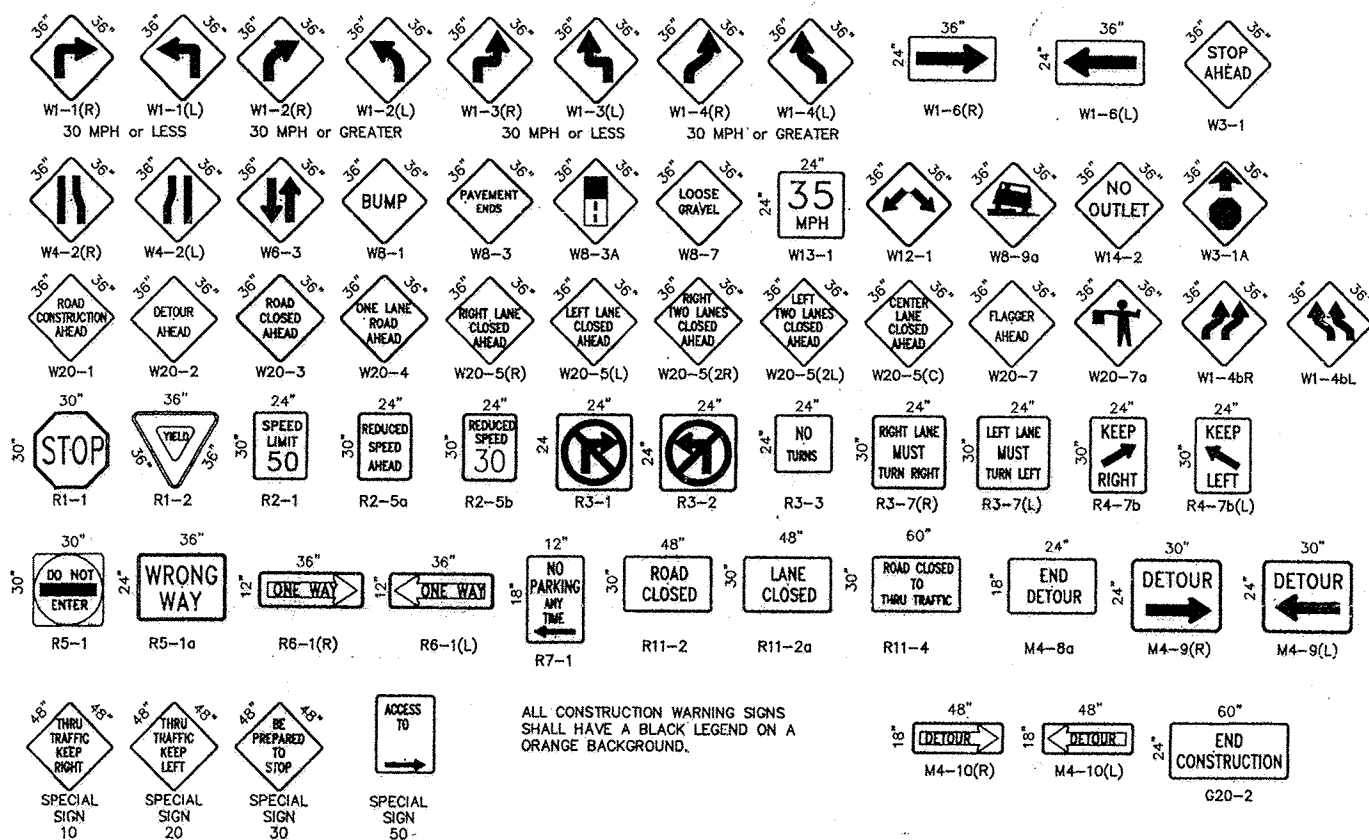
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CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR SHALL OBTAIN A PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, 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 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. 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.



SIGN FACE DETAILS



LEGEND

- | | |
|---|--|
|  | WORK AREA |
| • | BARRICADE - TYPE I, TYPE II, OR BARREL |
|  | BARRICADE - TYPE III |
| X | VERTICAL PANEL |
|  | WARNING SIGN |
| D | DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET |
|  | FLAGMAN POSITION |
| S | SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET |
| L | 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 SPACING IN FEET	DEVICES AFTER TAPER
	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

JAPER CRITERIA

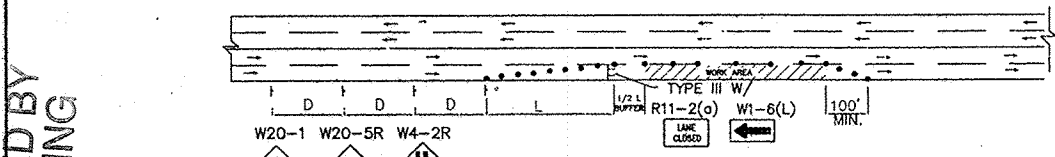
<u>TYPE OF TAPER</u>	<u>TAPER LENGTH</u>
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

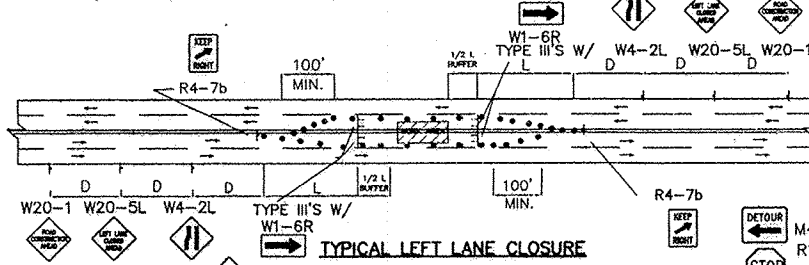
<u>SPEED LIMIT</u>	
40 MPH OR LESS	$L = \frac{WS^2}{60}$
45 MPH OR GREATER	$L = W \times S$

L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK
85-PERCENTILE SPEED IN MPH

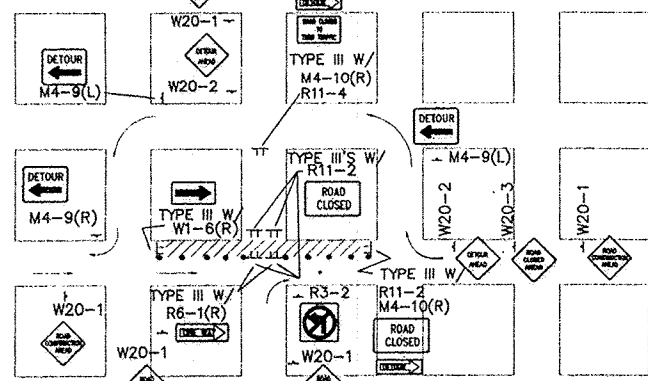
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS			
CITY ENGINEER APPROVAL	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
COASTD	LAST UPDATE		
PROJECT NO.	MAP NO.	SHEET 5 OF 6	



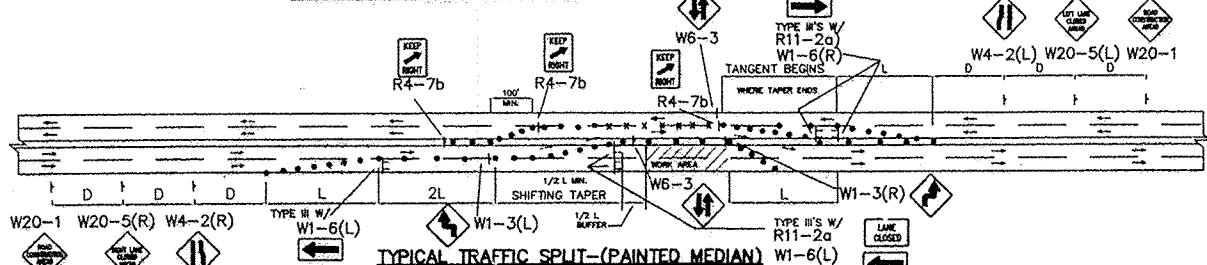
TYPICAL RIGHT LANE CLOSURE



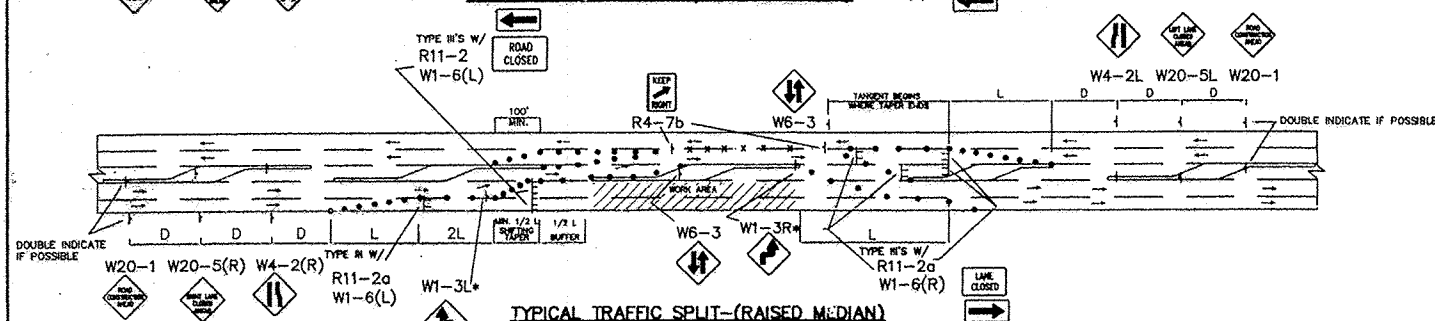
TYPICAL LEFT LANE CLOSURE



TYPICAL ONE DIRECTION DETOUR



TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)



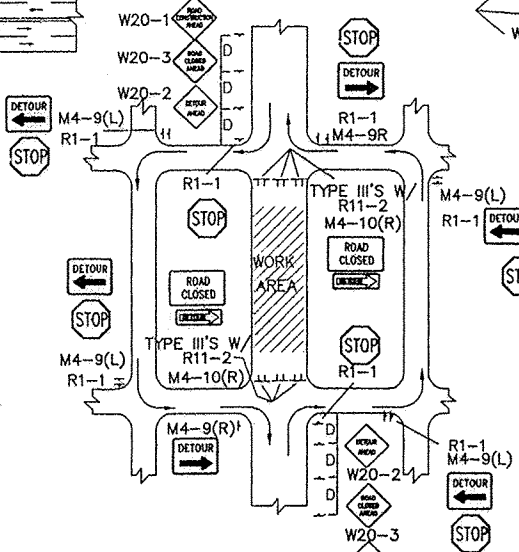
TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

- 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 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.

GENERAL NOTE:

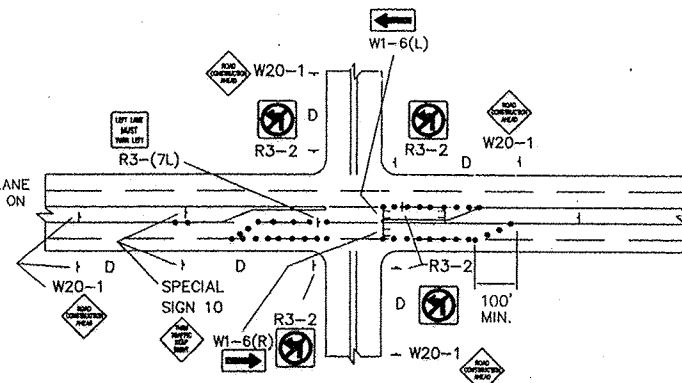
ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.
ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

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



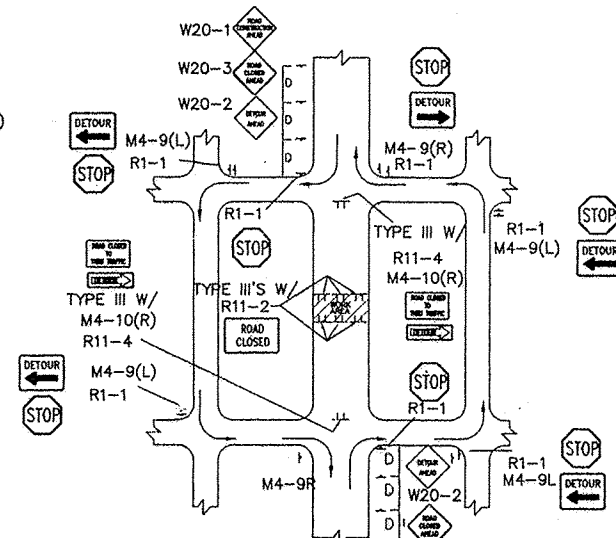
TYPICAL STREET CLOSURE

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



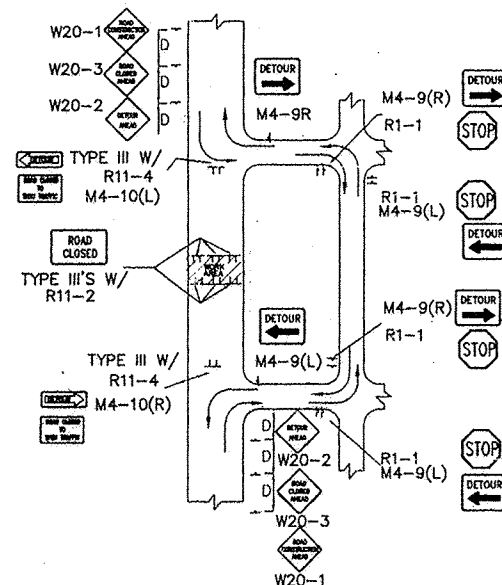
TYPICAL LANE CLOSURE AT INTERSECTION

NOTE: DEPENDING ON WORK ZONE LOCATION



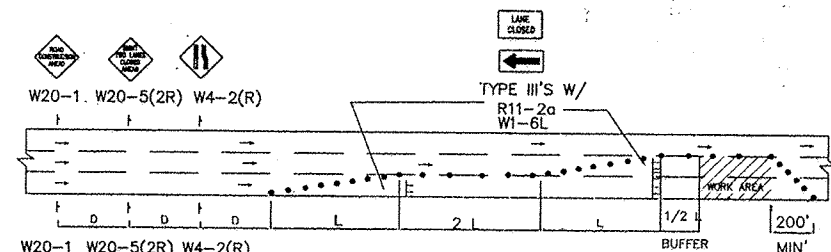
TYPICAL MID-BLOCK CLOSURE

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

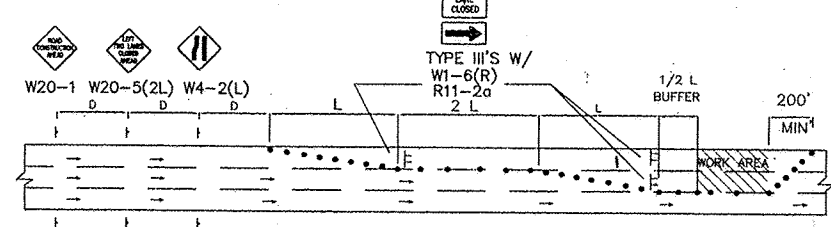


TYPICAL STREET CLOSURE

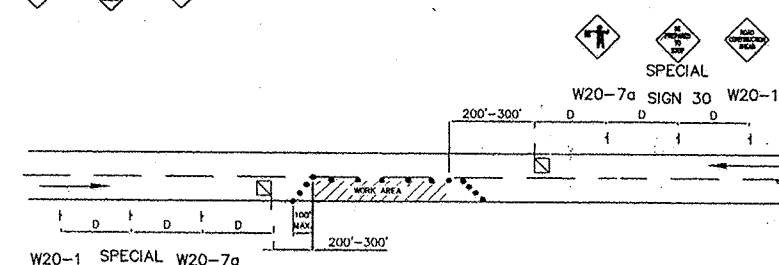
NOTE: (R1-1) BASED ON FIELD CONDITIONS.



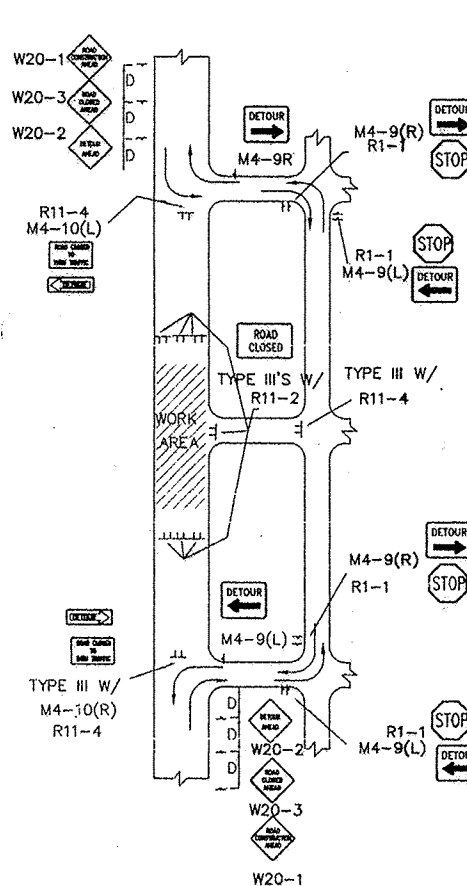
TYPICAL DOUBLE RIGHT LANE CLOSURE



TYPICAL DOUBLE LEFT LANE CLOSURE

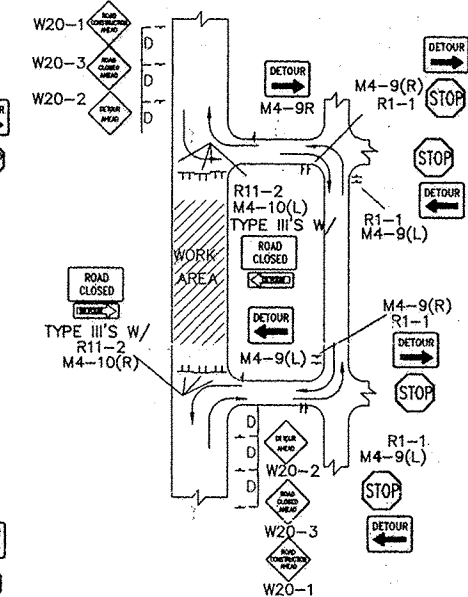


TYPICAL FLAGGING OPERATION



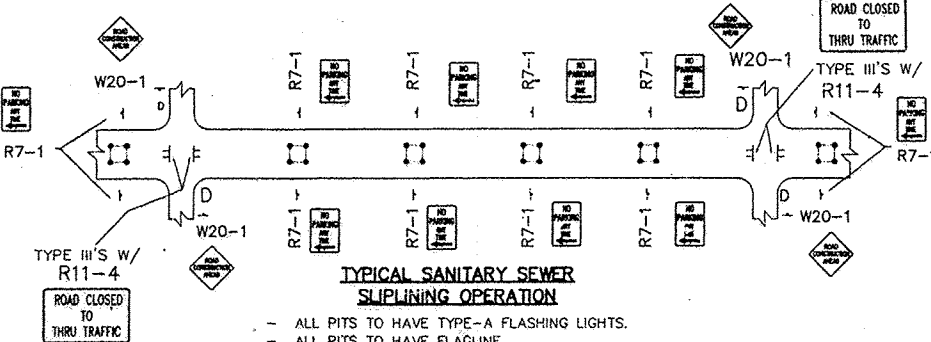
TYPICAL STREET CLOSURE

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



TYPICAL STREET CLOSURE

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



TYPICAL SANITARY SEWER
SNUFFLING OPERATION

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

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

COA STD

PROJECT NO. MAP NO. SHEET 6 OF 6