

CONSTRUCTION PLANS

FOR

DESERT WILLLOW APARTMENTS

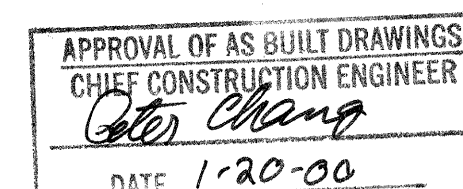
SITE IMPROVEMENTS

CITY OF ALBUQUERQUE
NEW MEXICO
NOVEMBER 1998

TW

INDEX TO DRAWINGS

1. TITLE SHEET
2. PLAT
3. GRADING & DRAINAGE PLAN "A"
4. GRADING & DRAINAGE PLAN "B"
5. MEDIAN EXTENSION PLAN & PROFILE
JEFFERSON BLVD. STA: 10+00 - 13+00
- Δ 6. STORM SEWER IMPROVEMENTS PLAN & PROFILE
JEFFERSON BLVD. STA: 10+00 - 12+00
7. SANITARY SEWER CONNECTION DETAILS PLAN & PROFILE
STA: 10+00 - 11+50 & STA: 10+00 - 11+90
- Δ 8. WATER LINE PLAN & PROFILE
JEFFERSON BLVD. STA: 10+00 - 12+00
9. WATER METER PLAN & PROFILE
COLUMBINE AVE./JEFFERSON BLVD. STA: 10+00 - 12+00
10. TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)
11. SIGNING & CONSTRUCTION TRAFFIC CONTROL STANDARDS



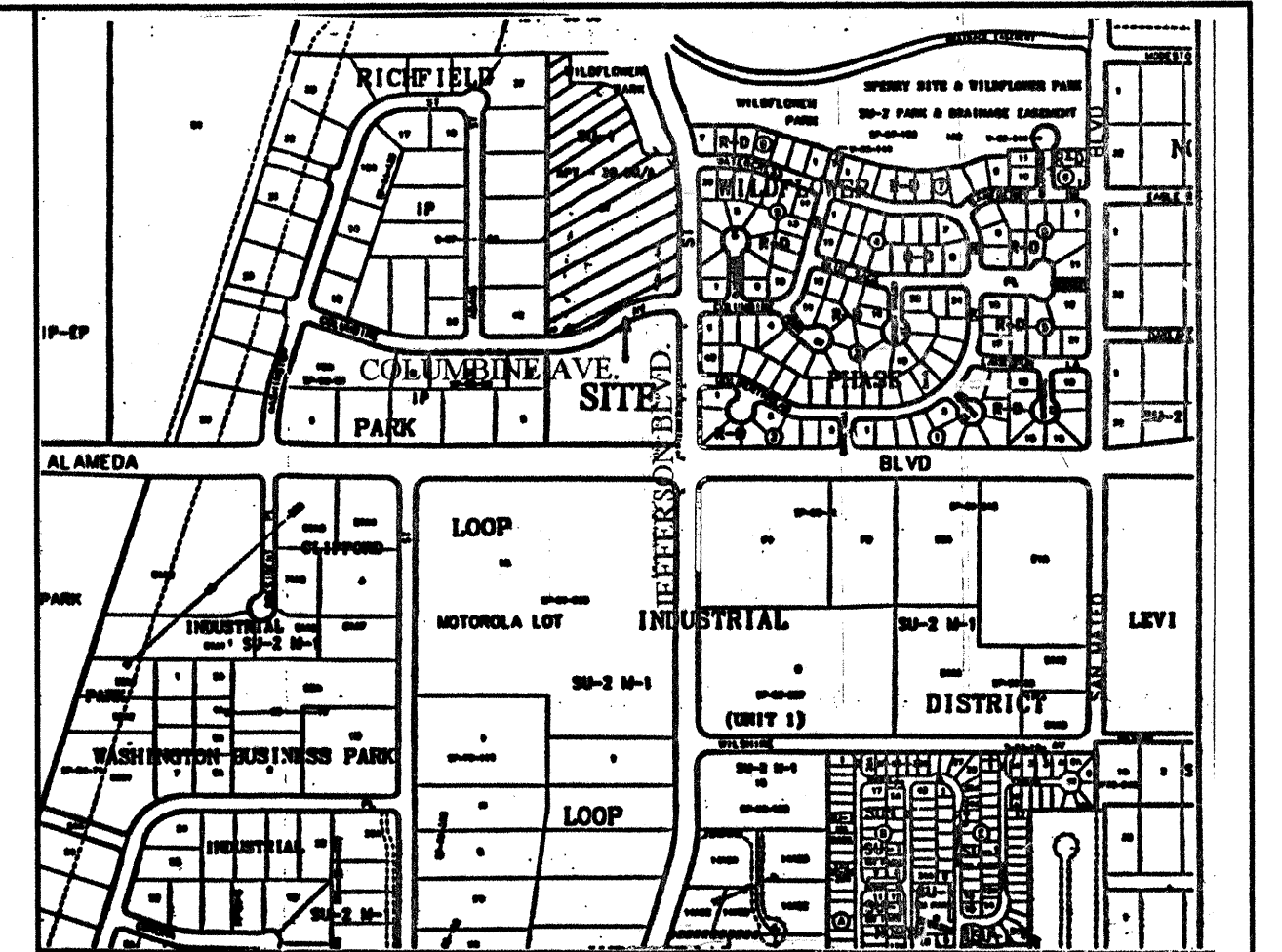
COA INSPECTOR: STEVE MOYA

RECORD DRAWING	
DATE: 11/24/99	DRAFTED BY: R/V TIERRA WEST DEV.
THESE RECORD DRAWINGS HAVE BEEN PREPARED, IN PART, ON THE BASIS OF INFORMATION COMPILED AND FURNISHED BY OTHERS. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS WHICH HAVE BEEN INCORPORATED INTO THE DOCUMENT AS A RESULT.	

TIERRA WEST, LLC
EXPRESSLY RESERVES THE COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED OR COPIED IN ANY MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO ANY THIRD PARTY WITHOUT OBTAINING THE EXPRESS WRITTEN PERMISSION AND CONSENT OF TIERRA WEST DEVELOPMENT MANAGEMENT SERVICES.

TIERRA WEST, LLC
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

Δ	6 of 11	<i>Frank J. [Signature]</i>	7-28-99	<i>Steve Moya</i>	7-28-99		
REV	SHEETS	CITY ENGINEER	DATE	USER	DEPT.	DATE	USER
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	APPROVED FOR CONSTRUCTION
		DRC Chairman		<i>Billy J. [Signature]</i>		2-5-99	<i>Frank J. [Signature]</i> City Engineer Date
		Transportation		<i>[Signature]</i>		12-18-98	
		Water/Wastewater		<i>R.W. Kane</i>		12-10-98	
		Hydrology		<i>[Signature]</i>		12-18-98	
		C.I.P.		<i>[Signature]</i>		12-18-98	
Constr. Mngmt.		<i>[Signature]</i>					
Traffic		<i>[Signature]</i>					
CITY PROJECT NO.		593781		SHEET		1 OF 11	



VICINITY MAP ZONE ATLAS C-17-Z

SCALE NONE

NOTICE TO CONTRACTORS

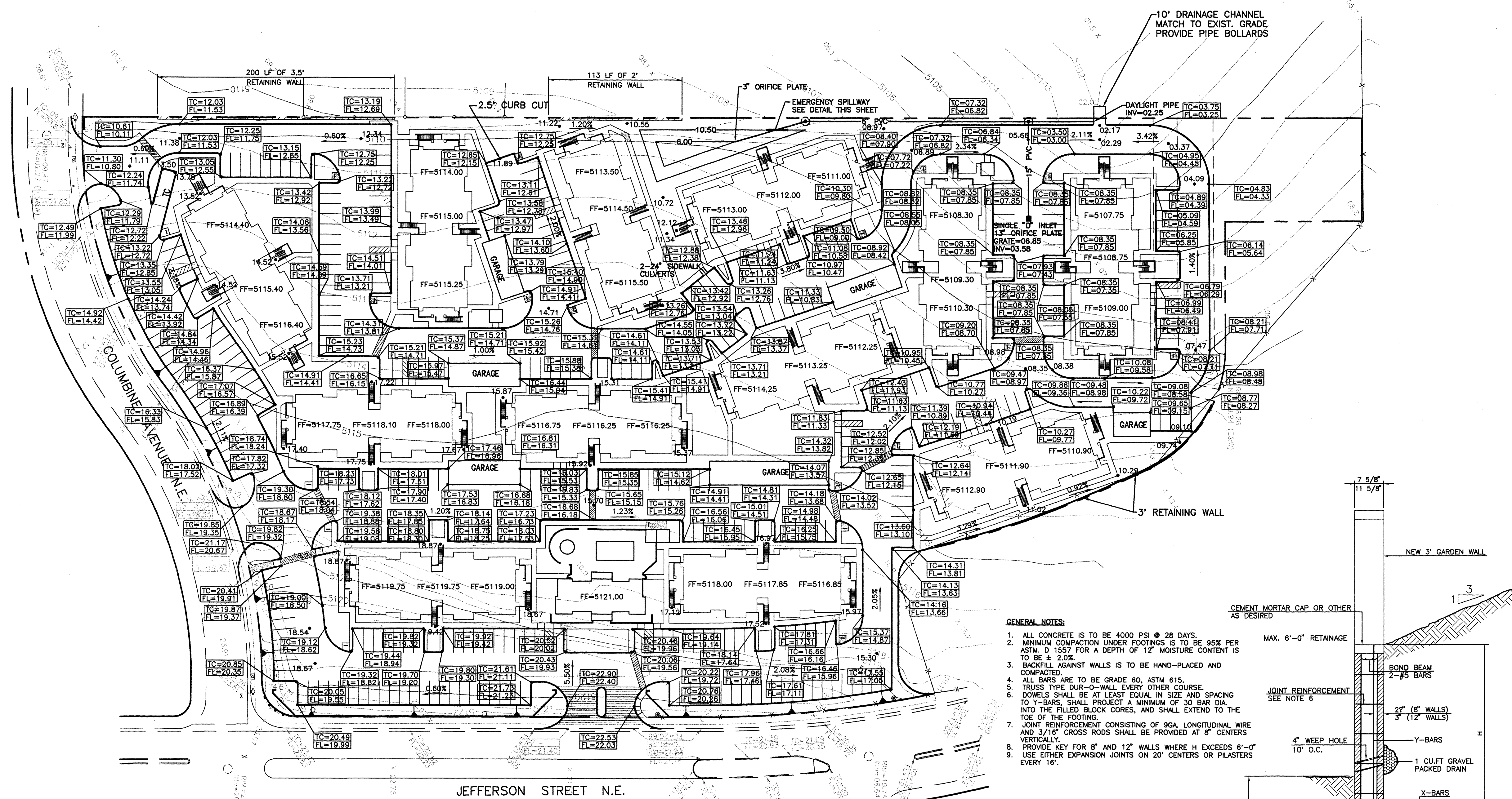
1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1988 EDITION (UPDATE #6).
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, 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 COORDINATION 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 (768-2551) PRIOR TO OBTAINING 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.

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.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEEPENED 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.

DRB #98-37

1/970066/9766TITL.DWG/TAS/11-25-98



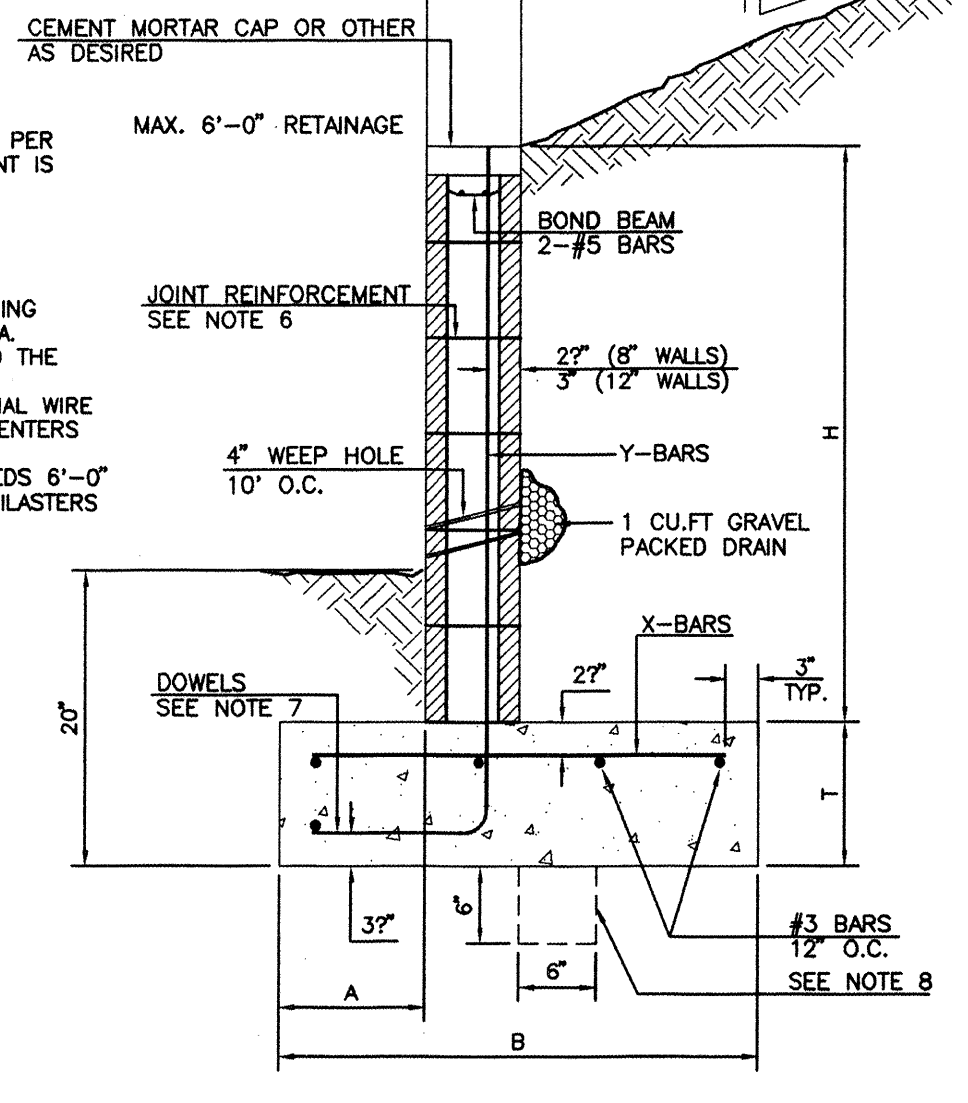
- GENERAL NOTES:**
- ALL CONCRETE IS TO BE 4000 PSI @ 28 DAYS.
 - MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE $\pm 2.0\%$.
 - BACKFILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
 - ALL BARS ARE TO BE GRADE 60, ASTM 615.
 - TRUSS TYPE DUE-O-WALL EVERY OTHER COURSE.
 - DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO Y-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOE OF THE FOOTING.
 - JOINT REINFORCEMENT CONSISTING OF 9GA. LONGITUDINAL WIRE AND 3/16" CROSS RODS SHALL BE PROVIDED AT 8' CENTERS VERTICALLY.
 - PROVIDE KEY FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0" USE EITHER EXPANSION JOINTS ON 20' CENTERS OR PILASTERS EVERY 16'.

8 INCH REINFORCED CONCRETE MASONRY WALL

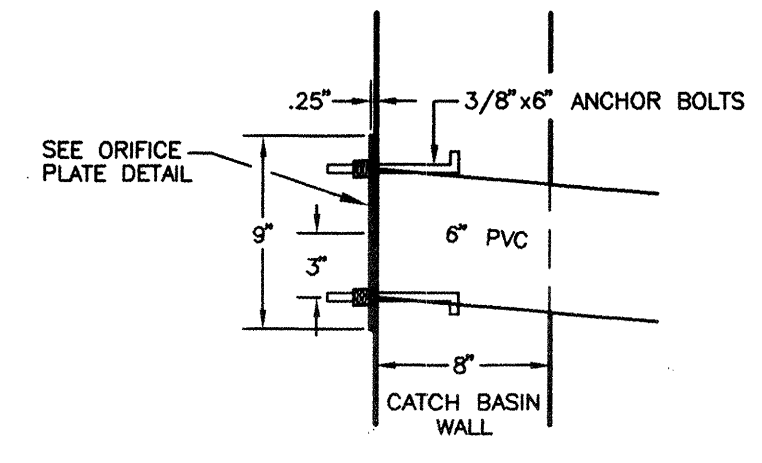
H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
3'-4"	8"	2'-4"	9"	#3 @32" O.C.	#3 @27" O.C.
4'-0"	10"	2'-9"	9"	#4 @32" O.C.	#3 @27" O.C.
4'-8"	12"	3'-4"	10"	#5 @32" O.C.	#3 @27" O.C.
5'-4"	14"	3'-8"	10"	#4 @16" O.C.	#4 @30" O.C.
6'-0"	16"	4'-2"	12"	#6 @24" O.C.	#4 @25" O.C.

12 INCH REINFORCED CONCRETE MASONRY WALL

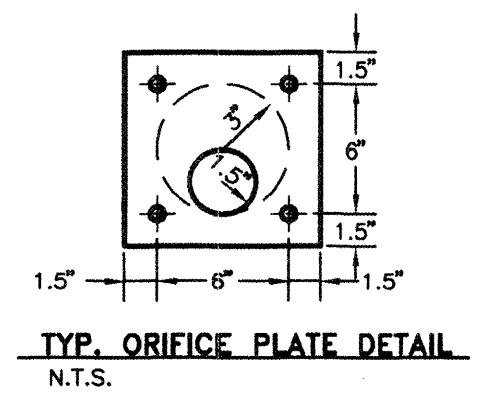
H	A	B	T	Y-BARS	X-BARS
ft.-in.	in.	ft.-in.	in.		
5'-4"	14"	3'-8"	10"	#4 @24" O.C.	#3 @25" O.C.
6'-0"	15"	4'-2"	12"	#4 @16" O.C.	#4 @30" O.C.
6'-8"	16"	4'-6"	12"	#6 @24" O.C.	#4 @22" O.C.
7'-4"	18"	4'-10"	12"	#5 @16" O.C.	#5 @26" O.C.
8'-0"	20"	5'-4"	12"	#7 @24" O.C.	#5 @21" O.C.



RETAINING WALL DETAIL
NOT TO SCALE



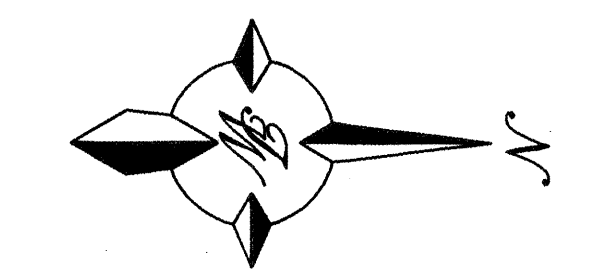
DETAIL A



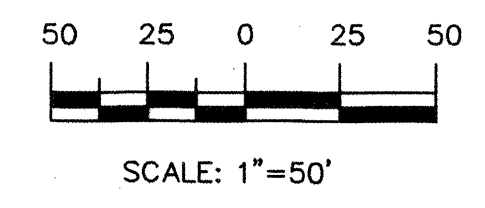
TYP. ORIFICE PLATE DETAIL
N.T.S.

EROSION CONTROL PLAN NOTES

- CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
- CONTRACTOR IS RESPONSIBLE FOR CLEANING UP ANY SEDIMENT THAT GETS INTO EXISTING RIGHT-OF-WAY.
- REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.



GRAPHIC SCALE



500/970066/9766GR.DWG/BDG/01-21-98

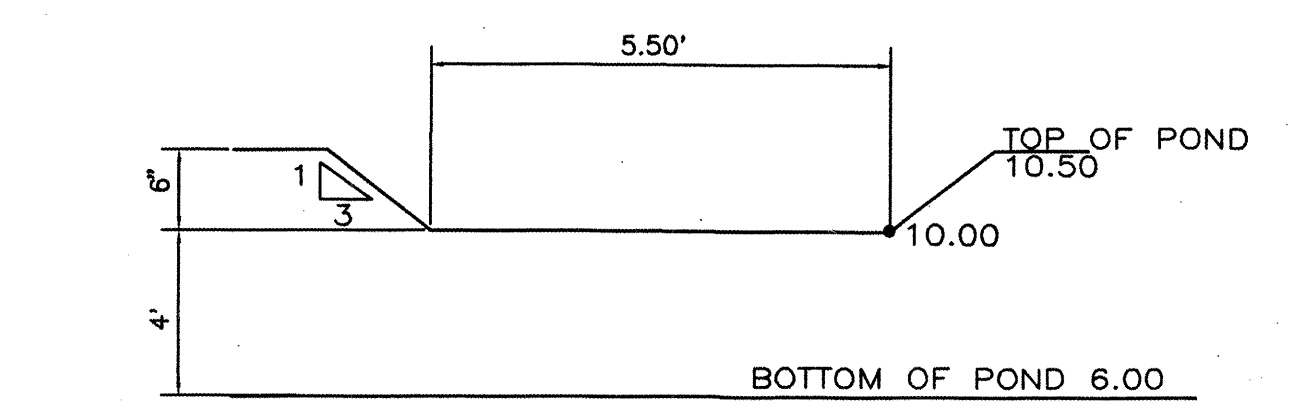
ROUGH GRADING APPROVAL

ENGINEER'S SEAL
RONALD R. BOHANNAN
P.E. #7868

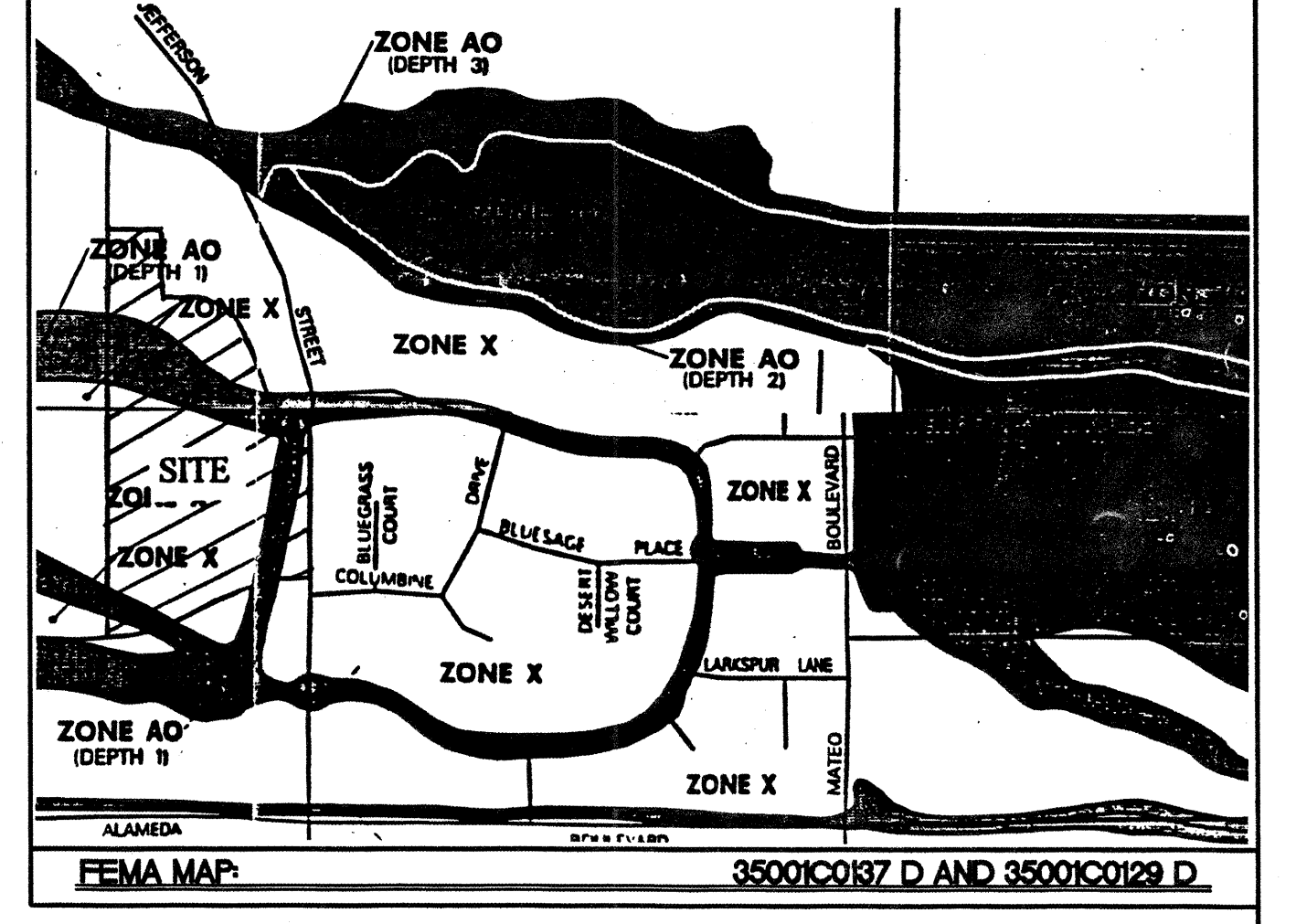
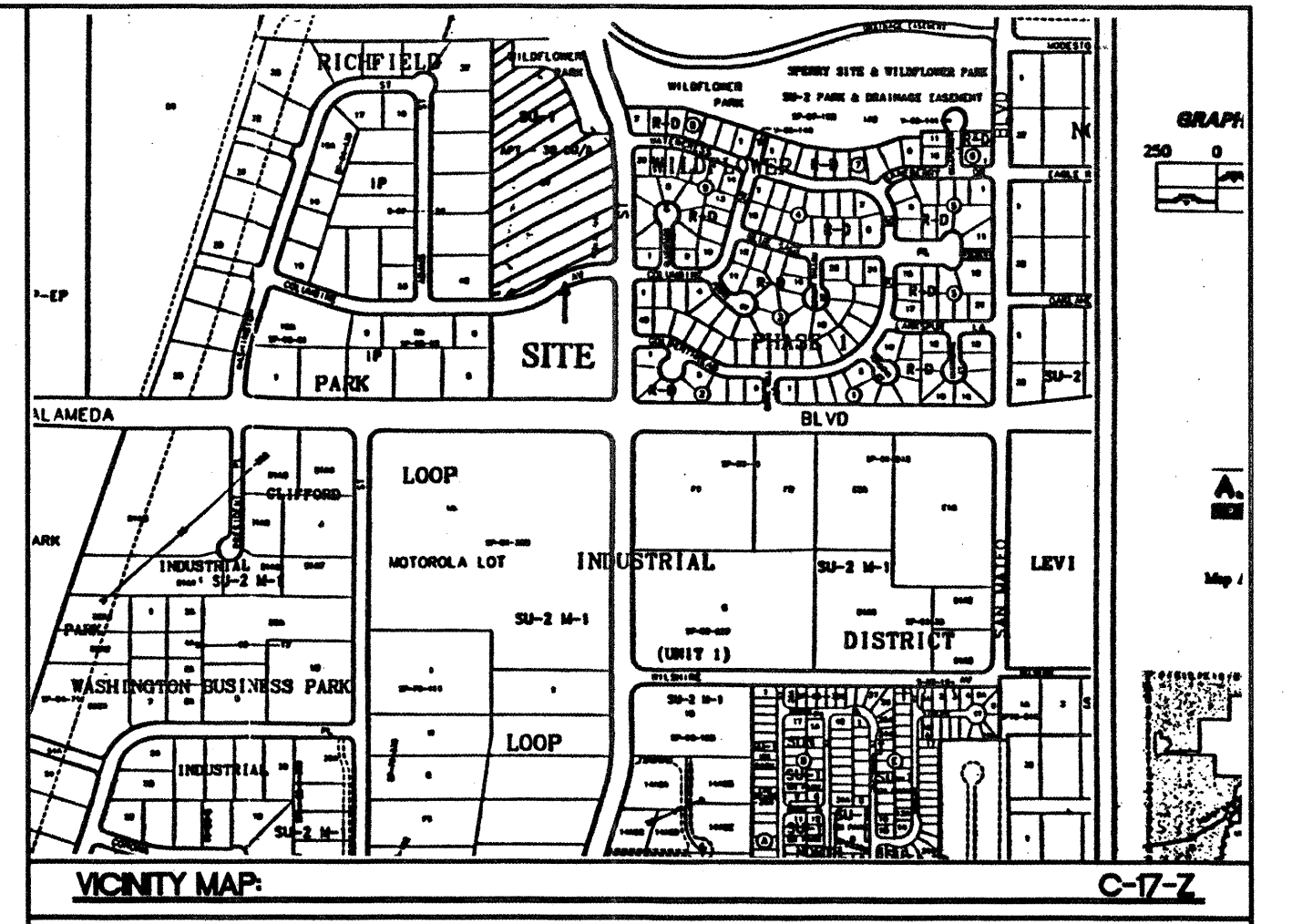
DESERT WILLOWS APARTMENTS
GRADING AND DRAINAGE PLAN

TIERRA WEST, LLC
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505)883-7592

- LEGEND**
- EXISTING CONTOUR (MAJOR)
 - EXISTING CONTOUR (MINOR)
 - BOUNDARY LINE
 - EASEMENT
 - PROPOSED SIDEWALK



EMERGENCY SPILLWAY DETAIL
N.T.S.



LEGAL DESCRIPTION:
RICHFIELD PARK TRACT B1

Job title
DESERT WILLOWS APARTMENTS
JEFFERSON ST. N.E. & COLUMBINE AVE.
ALBUQUERQUE, NEW MEXICO
PROJECT MANAGER
JORGE DE LA TORRE, AIA
sheet title
by

de la torre architecte, p.a. aia
north town office park
7801 academy rd n.e., building 2 / suite 200
albuquerque nm 87109 / 505.828.9611

sheet-
3-
4
of-11

SCANNED BY
MESA REPRO

STA 10+33.74
OFFSET: 6.22' RT
BEGINNING OF CURB
CONCRETE TYPE III PINNED CURB
NOSE TO BE PAINTED YELLOW
PER C.O.A. STD DWG #2415

EQUATION: (MANHOLE)
STA: 10+00.00
CL OF JEFFERSON BLVD. =
STA: 10+61.65
CL OF COLUMBINE AVE.

STA: 10+33.74 PC
OFFSET: 6.22 R
STA: 10+35.66 PT
OFFSET: 8.78 R
 $\frac{1}{2}C = 23.88$

12" MEDIAN OPENING

STA: 10+70.91 PC
OFFSET: 8.85 R
 $\frac{1}{2}C = 23.23$

STA: 10+90.10 PT
OFFSET: 7.60 R

STA: 11+54.89 PC
OFFSET: 0.83 L
 $\frac{1}{2}C = 23.51$

STA: 11+74.38 PT
OFFSET: 2.07 L
 $\frac{1}{2}C = 23.29$

STA: 10+70.61 PC
OFFSET: 3.51 RT
 $\frac{1}{2}C = 23.24$

STA: 11+54.55 PC
OFFSET: 6.16 LT
 $\frac{1}{2}C = 23.59$

STA: 11+74.04 PT
OFFSET: 7.41 LT
 $\frac{1}{2}C = 23.44$

REMOVE EXISTING STRIPING AND
REPLACE WITH CONCRETE MEDIAN

STA 12+67.22
OFFSET: 4.60' LT
END OF CURB
CONCRETE TYPE III PINNED CURB
NOSE TO BE PAINTED YELLOW
PER C.O.A. STD DWG #2415

THIS AREA TO BE
BUILT UNDER SEPERATE
CONSTRUCTION PERMIT

STA: 12+67.22 PT
OFFSET: 4.60 L
 $\frac{1}{2}C = 22.51$

STA: 12+64.55 PC
OFFSET: 1.94 L

NOTE: THE 12" MEDIAN OPENING IS TO BE BUILT AT THE P.T. OF THE TURNING LANE.

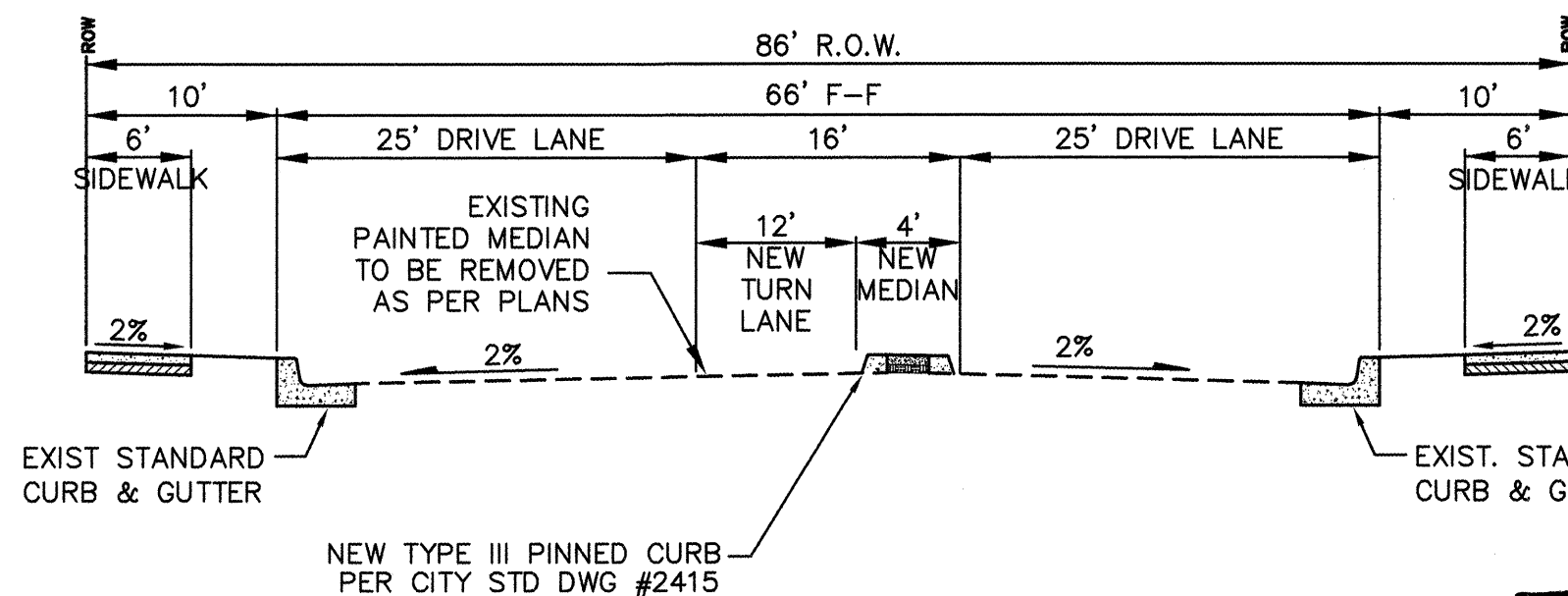
JEFFERSON BLVD.
STA 10+00.00 TO 13+00.00

PAINT NOSES YELLOW
NEW MEDIAN CONCRETE

LINE TABLE		
LINE	LENGTH	BEARING
1 (S.B.)	34.00	S89°55'46"W
2 (N.B.)	90.00	S89°57'21"W

LINE TABLE		
LINE	LENGTH	BEARING
L1	65.29	S82°34'47"W
L2	65.33	S82°34'50"W
L3	34.20	S89°55'46"W
L4	34.54	S89°55'46"W
L5	90.52	N89°57'21"W
L6	90.17	N89°57'21"W

CURVE TABLE				
CURVE	LENGTH	RADIUS	TANGENT	DELTA
C1	19.54	150.00	9.78	07°27'52"
C2	19.54	150.00	9.78	07°27'52"
C3	19.25	150.00	9.64	07°21'12"
C4	19.24	150.00	9.63	07°21'00"
C5	8.38	2.67	4.00	180°00'00"
C6	8.38	2.67	6.00	180°00'00"



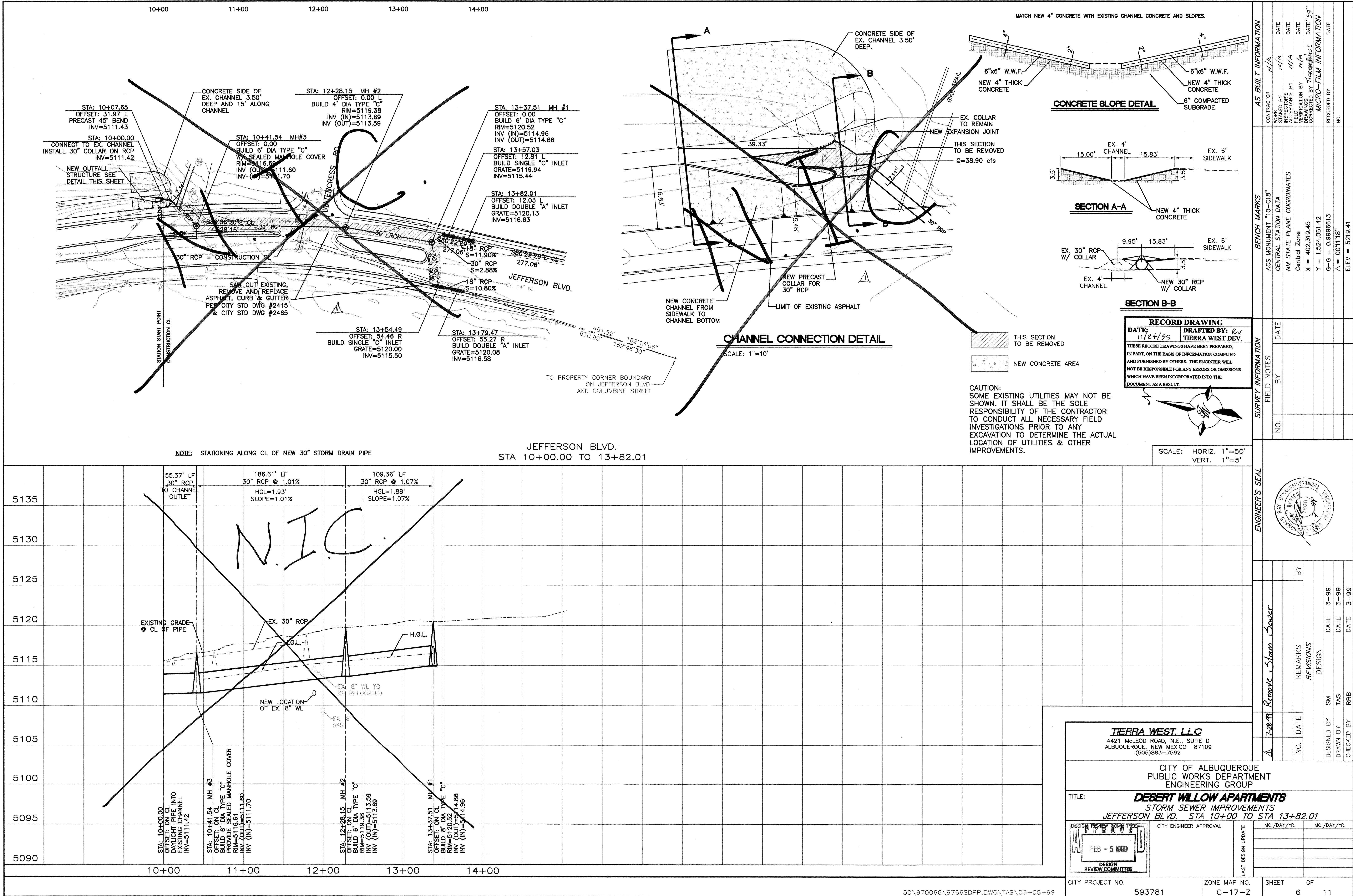
SECTION A-A
STREET CROSS SECTION
N.T.S.

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

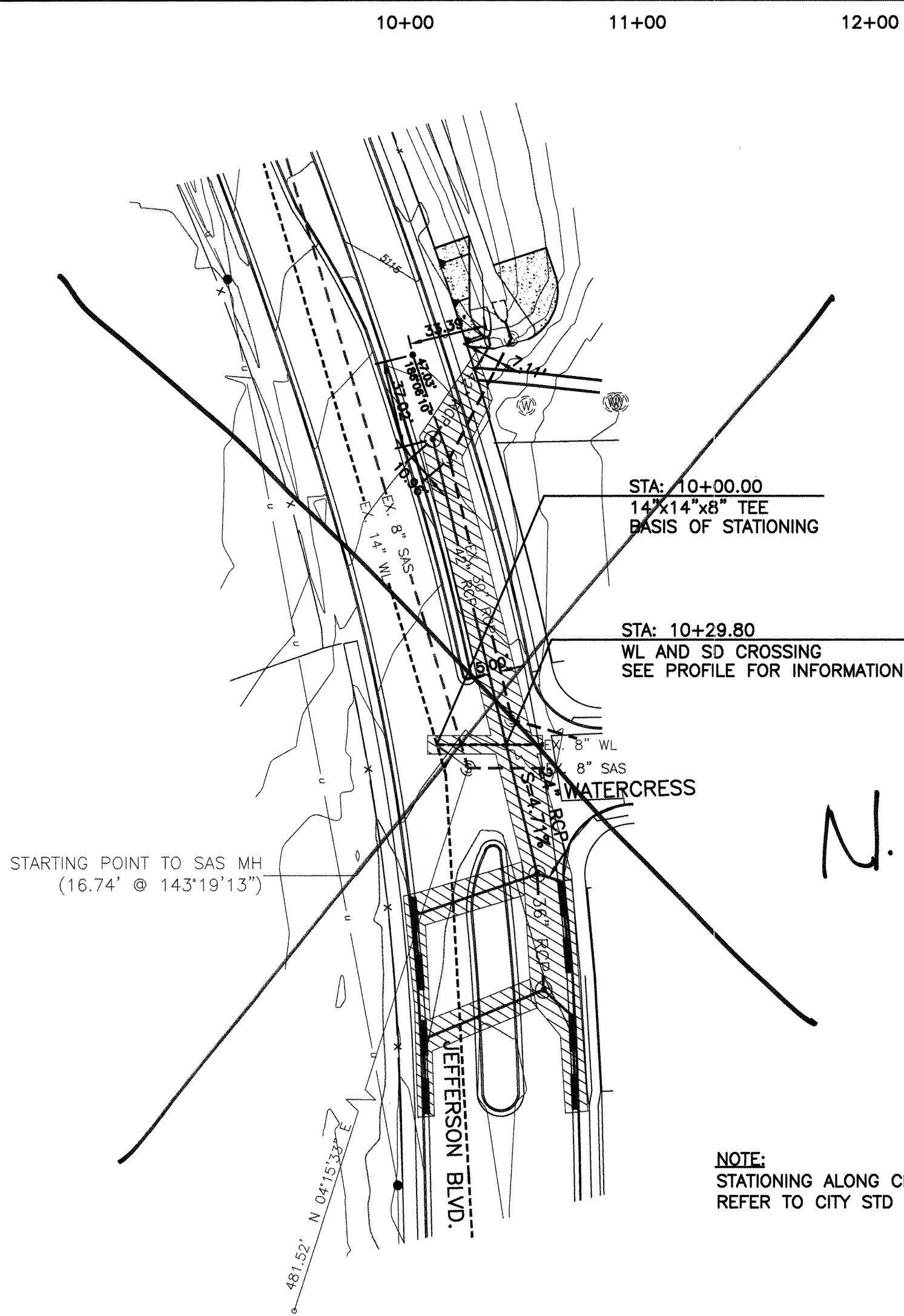
CAUTION:
EXISTING UTILITIES ARE NOT SHOWN.
IT SHALL BE THE SOLE RESPONSIBILITY
OF THE CONTRACTOR TO CONDUCT ALL
NECESSARY FIELD INVESTIGATIONS PRIOR
TO ANY EXCAVATION TO DETERMINE THE
ACTUAL LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.

RECORD DRAWING
DATE: 11/24/99 DRAFTED BY: R. J. TIERRA WEST DEV.
THESE RECORD DRAWINGS HAVE BEEN PREPARED,
IN PART, ON THE BASIS OF INFORMATION COMPILED
AND FURNISHED BY OTHERS. THE ENGINEER WILL
NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS
WHICH HAVE BEEN INCORPORATED INTO THE
DOCUMENT AS A RESULT.

CONTRACTOR: Terra West Development		INSPECTOR: [Signature]		DATE: 11/24/99	
STATION: 10+00.00		SHEET: 5		OF 11	
PROJECT: DESERT WILLOWS APARTMENTS		CITY: ALBUQUERQUE		STATE: NM	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	
DRAWN BY: [Signature]		DATE: 11-98		DATE: 11-98	
REMARKS: REVISIONS		BY: [Signature]		DATE: 11-98	
N.D. DATE		REMARKS		BY	
DESIGNED BY: [Signature]		CHECKED BY: [Signature]		DATE: 11-98	



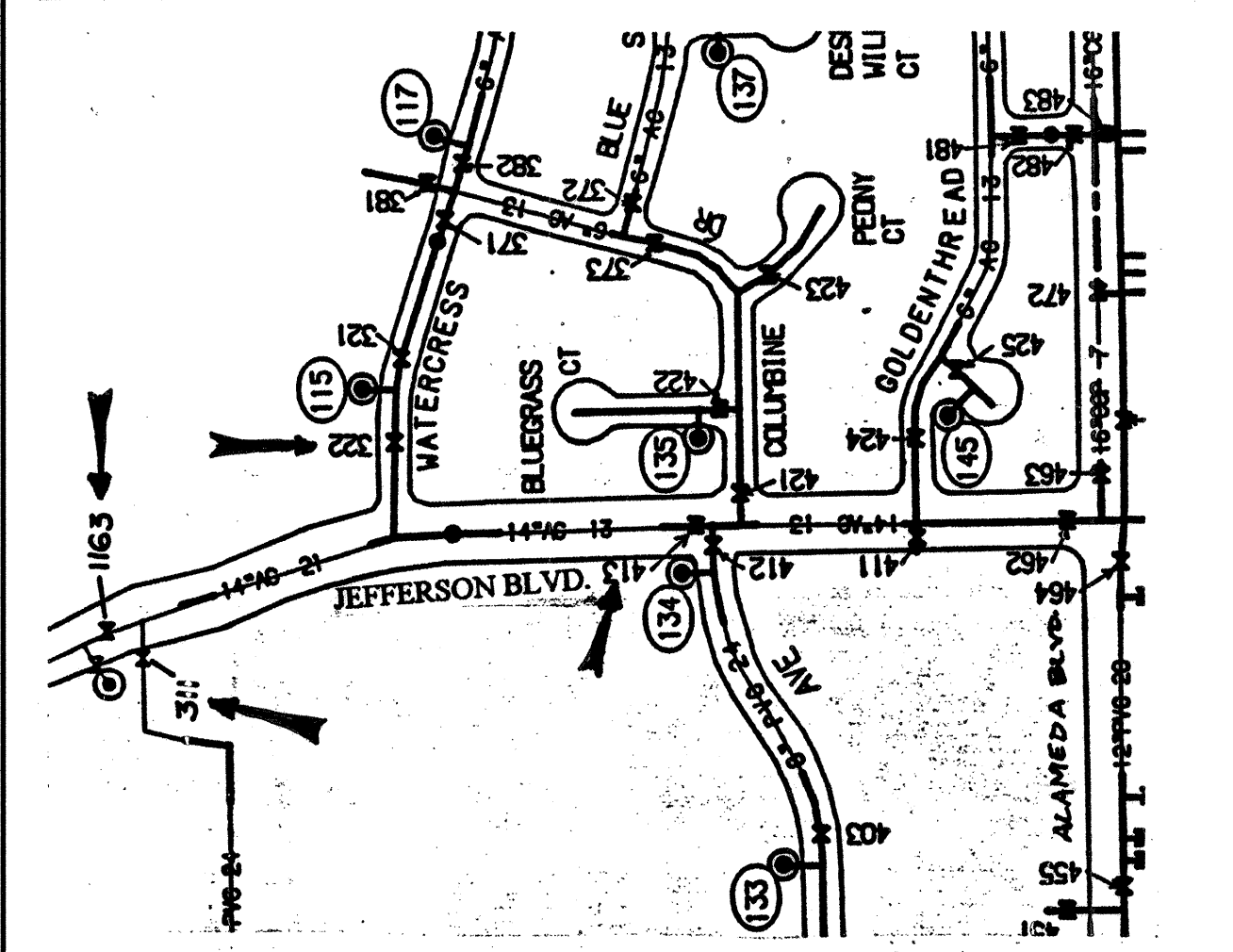
SCANNED BY
MESA REPORT



JEFFERSON BLVD.
STA 10+00.00 TO 10+66.05

HATCHED AREA TO BE REMOVED AND REPLACED

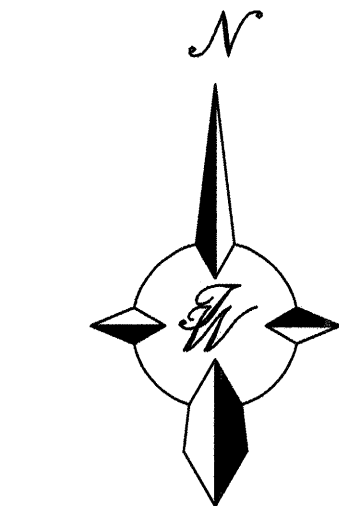
CAUTION:
SOME EXISTING UTILITIES MAY NOT BE
SHOWN. IT SHALL BE THE SOLE
RESPONSIBILITY OF THE CONTRACTOR
TO CONDUCT ALL NECESSARY FIELD
INVESTIGATIONS PRIOR TO ANY
EXCAVATION TO DETERMINE THE ACTUAL
LOCATION OF UTILITIES & OTHER
IMPROVEMENTS.



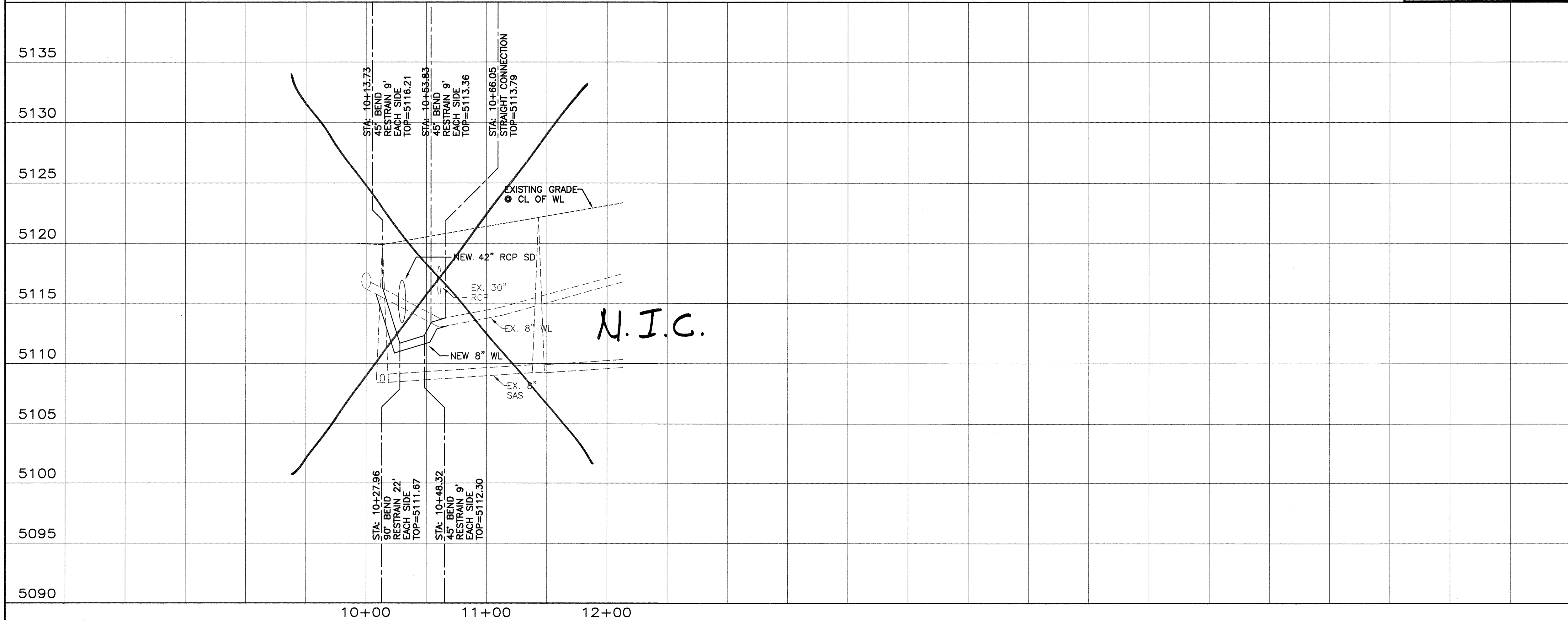
RECORD DRAWING

DATE: 11/24/99 DRAFTED BY: RW
TIERRA WEST DEV.

THESE RECORD DRAWINGS HAVE BEEN PREPARED,
IN PART, ON THE BASIS OF INFORMATION COMPILED
AND FURNISHED BY OTHERS. THE ENGINEER WILL
NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS
WHICH HAVE BEEN INCORPORATED INTO THE
DOCUMENT AS A RESULT.



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



TIERRA WEST, LLC
4421 McLEOD ROAD, N.E., SUITE D
ALBUQUERQUE, NEW MEXICO 87109
(505) 883-7592

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **DESERT WILLOW APARTMENTS**
WATER LINE IMPROVEMENTS
JEFFERSON BLVD. STA 10+00.00 TO STA 10+66.05

CITY ENGINEER APPROVAL

LAST DESIGN UPDATE

NO. DATE

REMARKS
DESIGN

DESIGNED BY SM DATE 11-98
DRAWN BY TAS DATE 11-98
CHECKED BY RRB DATE 11-98

MO./DAY/YR.

MO./DAY/YR.

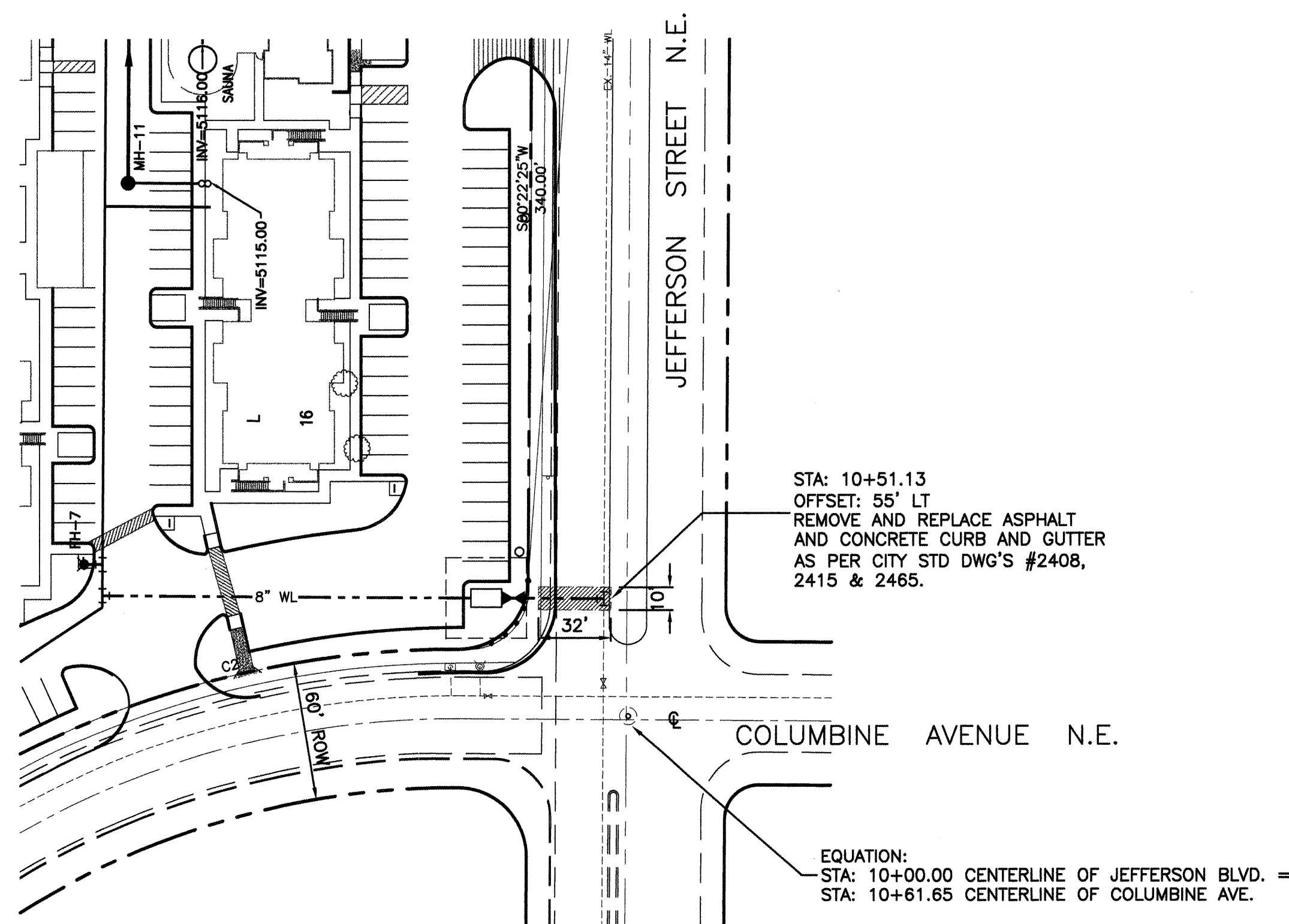
APPROVED
FEB - 5 1999

CITY PROJECT NO. 593781

ZONE MAP NO. C-17-Z

SHEET 8 OF 11

12+00



COLUMBINE AVENUE
STA 10+00.00 TO 10+61.65

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

RECORD DRAWING	
DATE: 11/24/99	DRAFTED BY: RW TIERRA WEST DEV.

THESE RECORD DRAWINGS HAVE BEEN PREPARED,
IN PART, ON THE BASIS OF INFORMATION COMPLIED
AND FURNISHED BY OTHERS. THE ENGINEER WILL
NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS
WHICH HAVE BEEN INCORPORATED INTO THE
DOCUMENT AS A RESULT.

CONTRACTOR	Rompage Engineering
WORK	INSTALLED BY <i>Wilkes Strengthening</i> DATE <i>9/9</i>
INSPECTOR'S	ACCEPTANCE BY <i>Coof/Trieste West</i> DATE <i>9/9</i>
FIELD	VERIFICATION BY <i>Coof/Trieste West</i> DATE <i>9/9</i>
REMARKS	CORRECTED BY <i>Trieste West</i> DATE <i>9/9</i>
MICRO-FILM INFORMATION	

BENCH MARKS

ICS MONUMENT "10-C18"
CENTRAL STATION DATA
IM STATE PLANE COORDINATES
Central Zone
X = 402,319.45
Y = 1 524 061.42

[illegible]

NO.	DATE	REMARKS	BY
<i>REVISIONS</i>			
DESIGN			

APPROVED
FEB - 5 1999
REVIEW COMMITTEE

FAST DESIGN UPDATE

CITY PROJECT NO.

ZONE MAP NO.	
--------------	--

SHEET	OF
-------	----

50\970066\9766WMPP.DWG\TAS\11-24-98

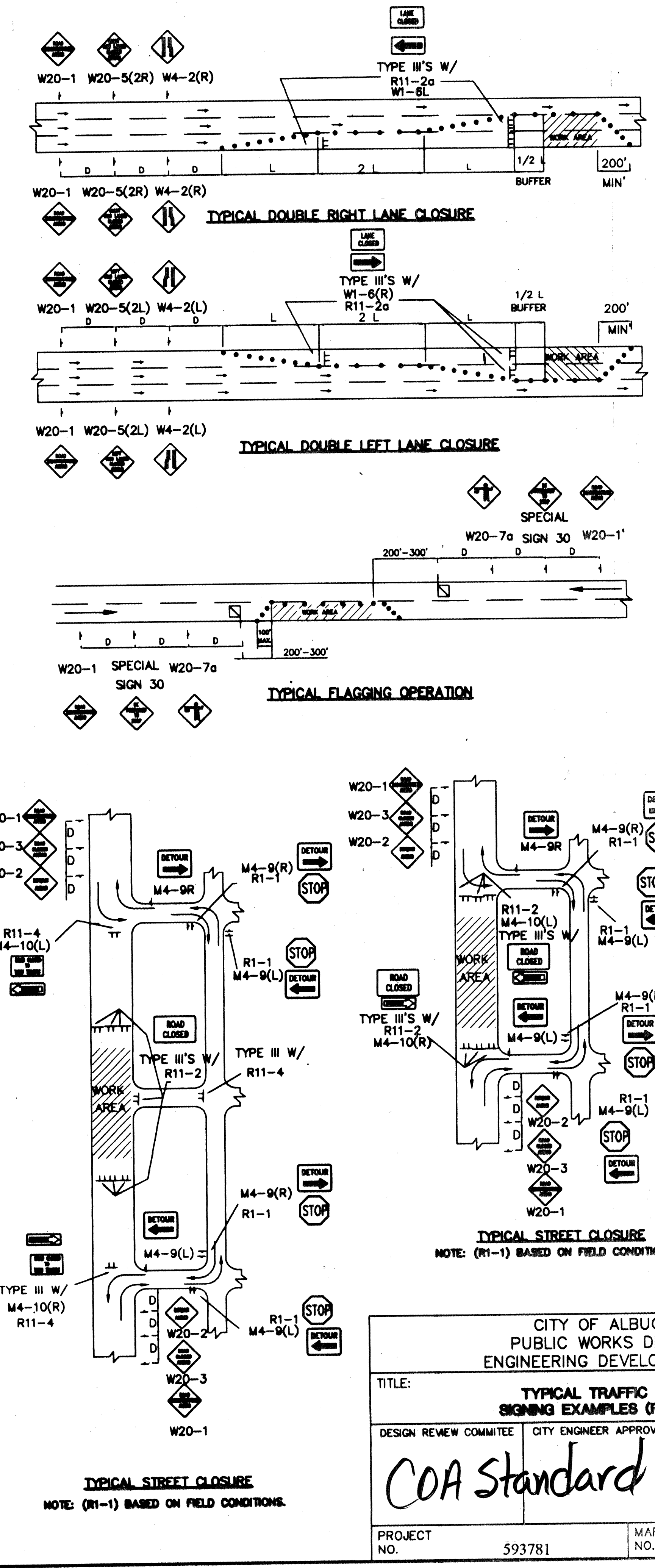
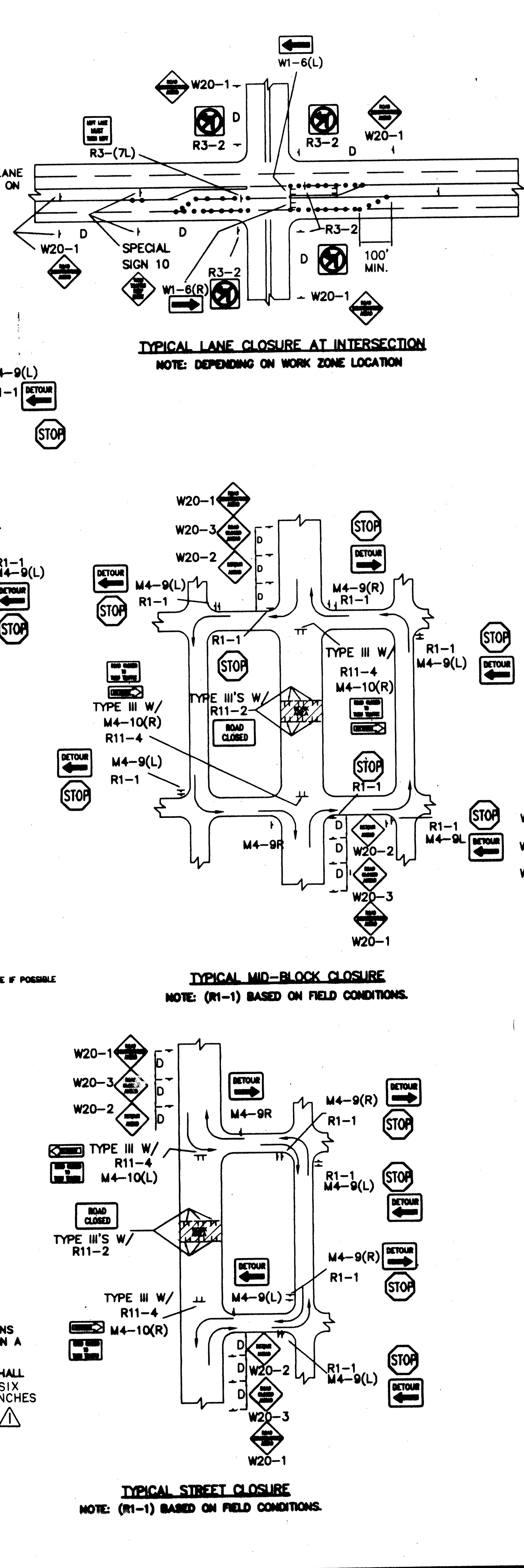
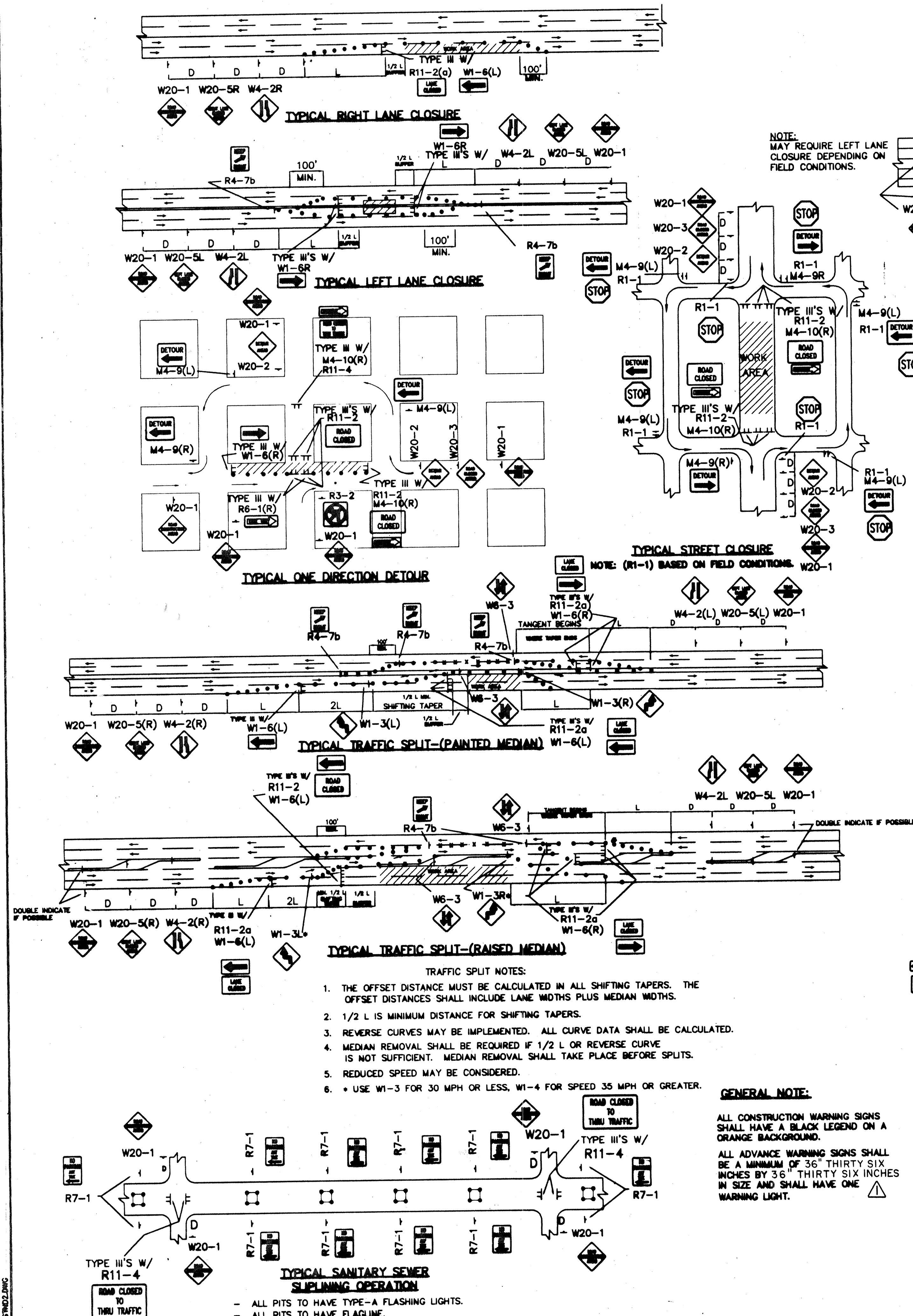
CITY PROJECT NO.

ZONE MAP NO.	
--------------	--

SHEET	OF
-------	----

9

SCANNED BY
WESA REPRO



AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL							
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE						
REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REVISIONS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>9/24/97</td> <td>REVISED GENERAL NOTE</td> </tr> </tbody> </table>				NO.	DATE	REVISIONS	1	9/24/97	REVISED GENERAL NOTE	DESIGNED BY C.O.A. STANDARDS DRAWN BY CHECKED BY			
NO.	DATE	REVISIONS											
1	9/24/97	REVISED GENERAL NOTE											
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 PROJECT NO. 593781 MAP NO. C-17 SHEET 10 OF 11													

COA Standard

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 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.

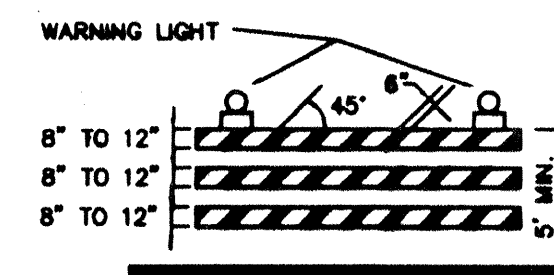
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

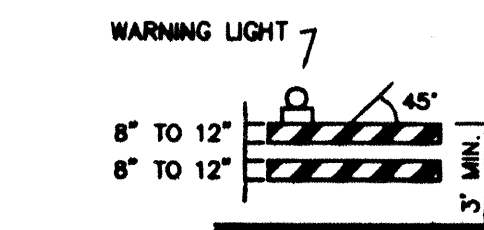
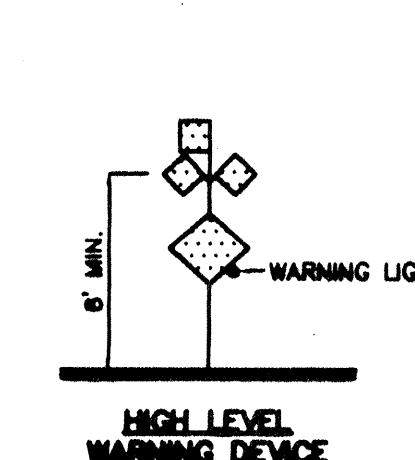
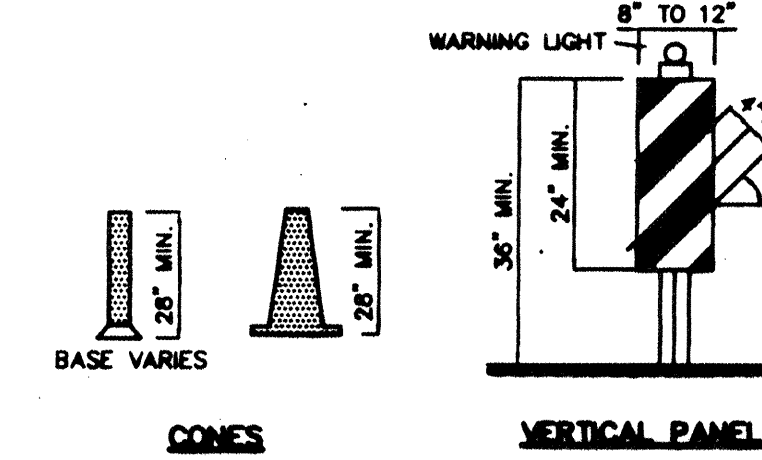
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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.

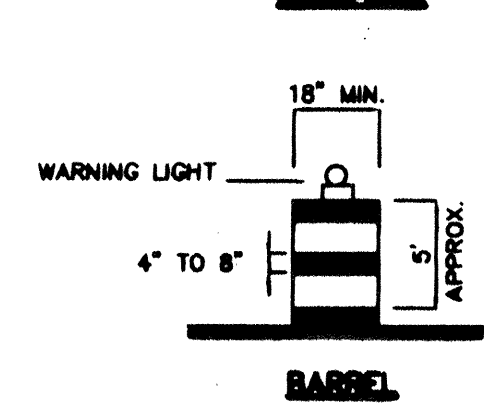
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



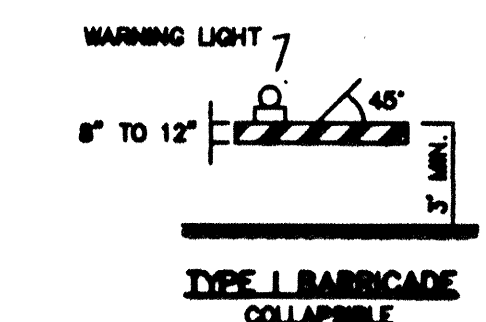
TYPE II BARRICADE



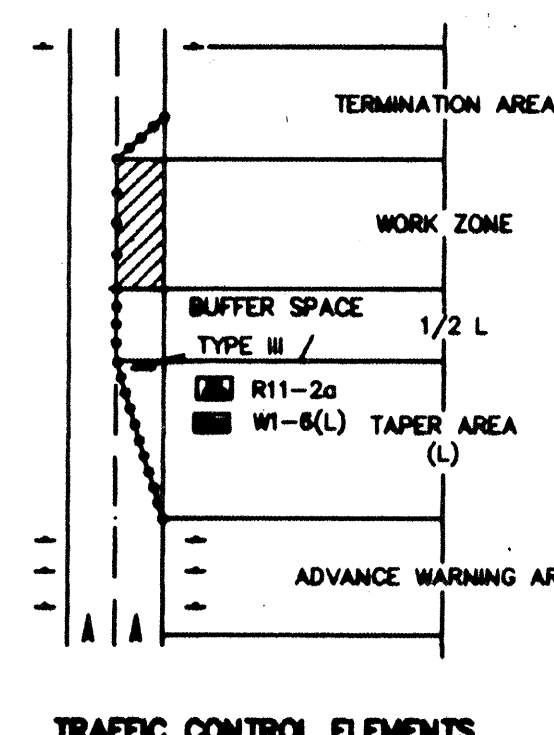
TYPE II BARRICADE COLLAPSIBLE



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 LIMIT (MPH)	MINIMUM DISTANCE BETWEEN SIGNS	MINIMUM DISTANCE 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

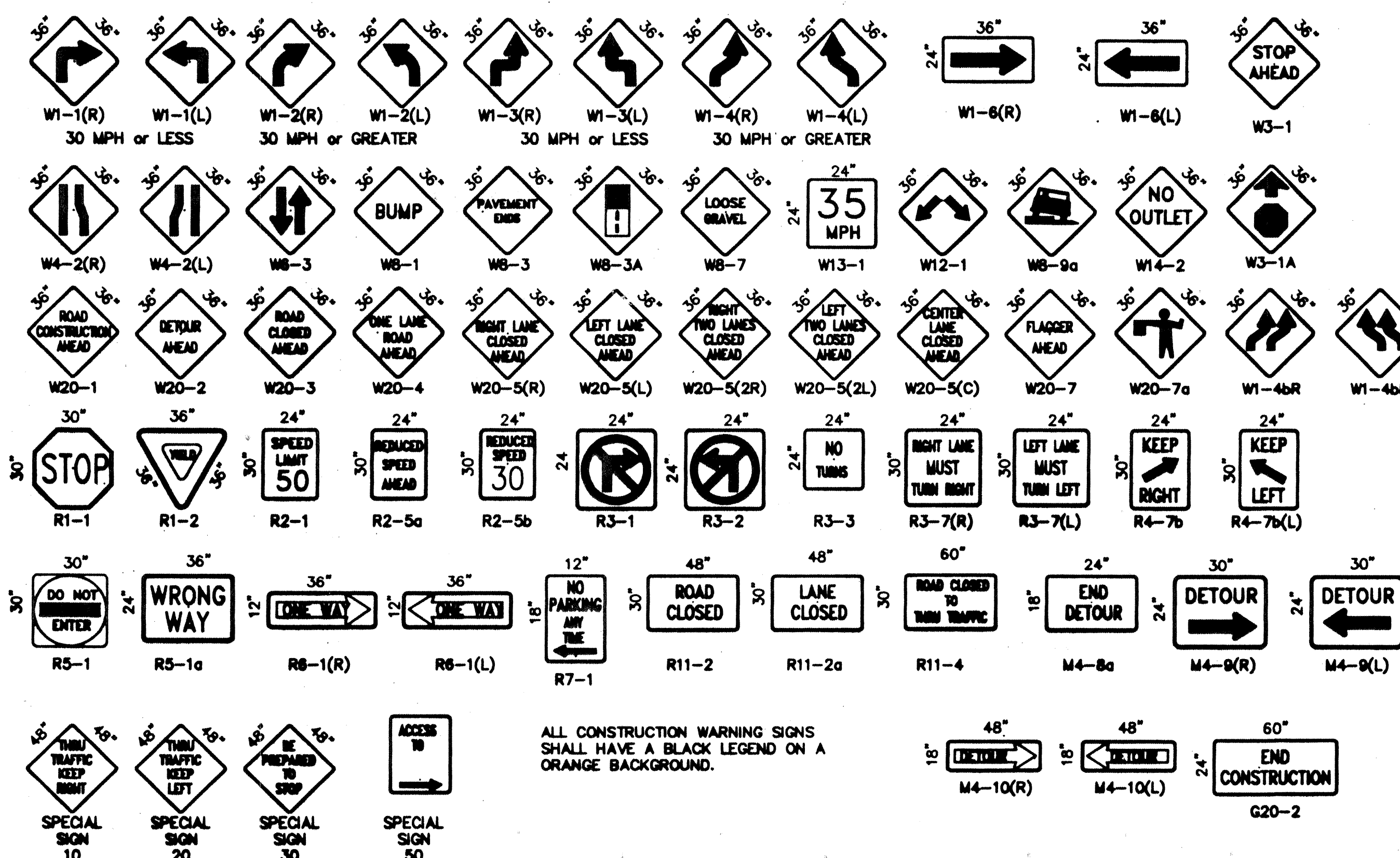
TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

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

L = TAPER LENGTH
W = WIDTH OF OFF-SET 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: **SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS**

DESIGN REVIEW COMMITTEE: CITY ENGINEER APPROVAL

PROJECT NO. 593781 MAP NO. C-17 SHEET 11 OF 11

COA Standard