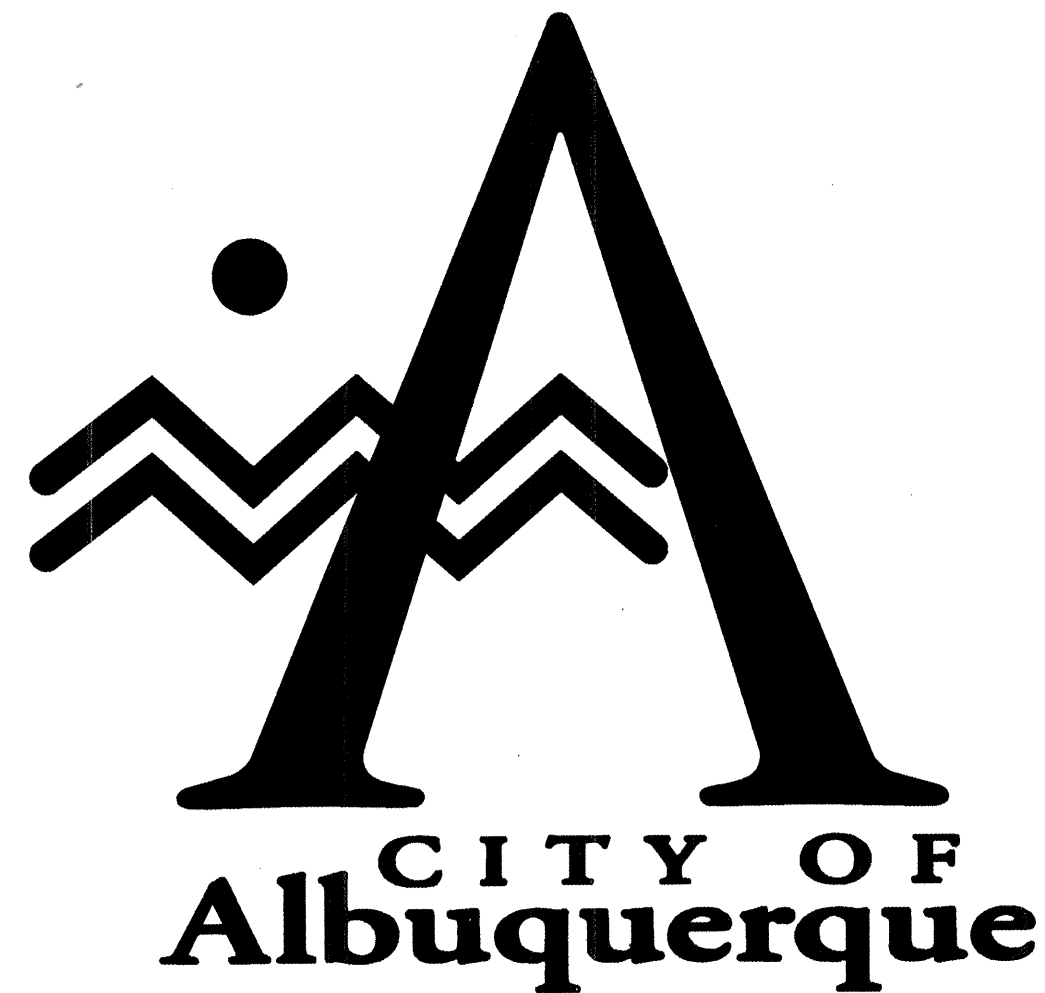




LANDS OF ISABEL E. SANCHEZ

LOTS C-1, C-2, & C-3

SANITARY SEWER & WATER EXTENSION PROJECT

Albuquerque, New Mexico
October, 1999

Prepared for:
Bernard Candelaria
3601 E. 2nd Ave.
Denver, CO 80206

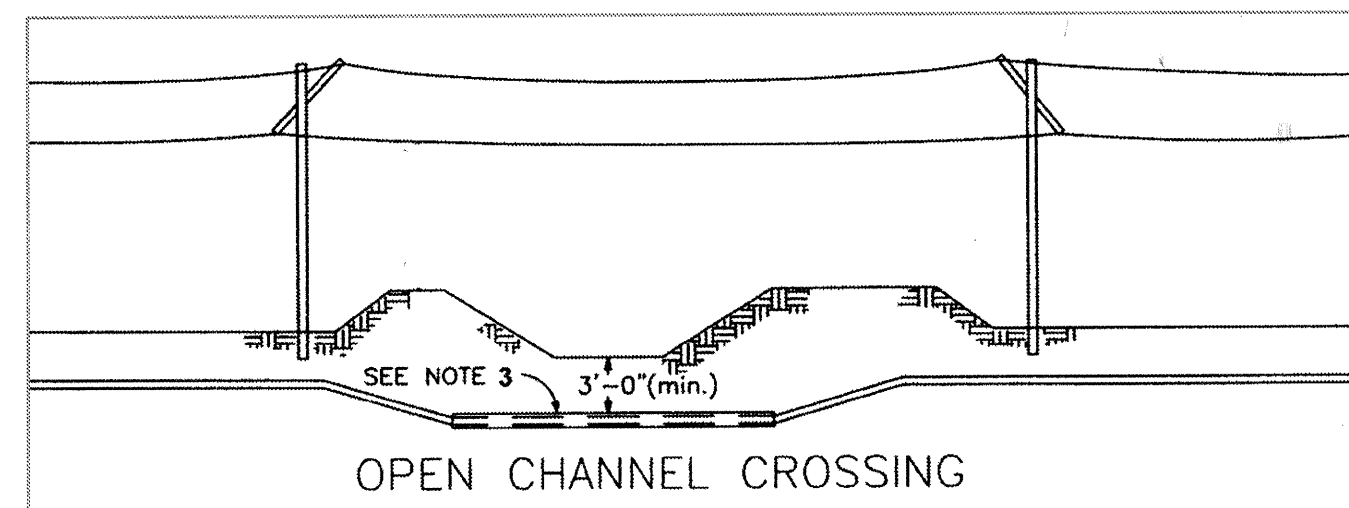
Prepared by:
Terry O. Brown, P.E.
P.O. Box 92051
Albuquerque, NM 87199

INDEX TO DRAWINGS

SHEET	DESCRIPTION
1	COVER SHEET & GENERAL NOTES
2	PLAT / WATER SHUTOFF PLAN
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4	TRAFFIC CONTROL PLAN SHEET <i>3a - Details</i>
5	TRAFFIC CONTROL PLAN SHEET <i>3b - Details</i>

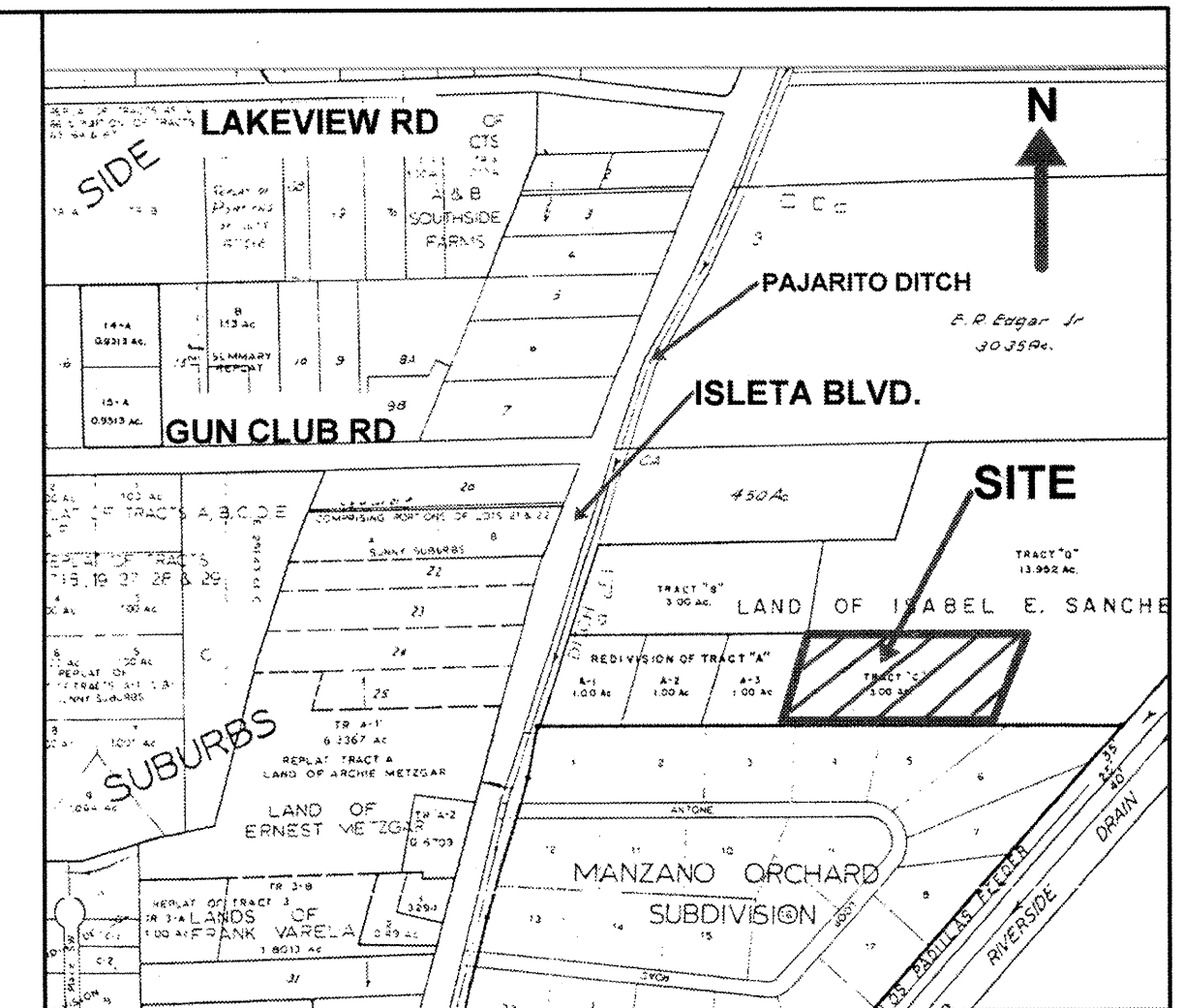
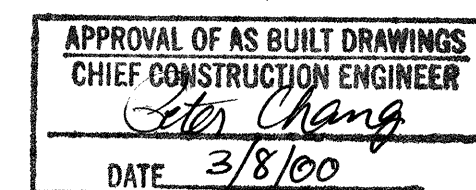
NOTES SPECIFIC TO MRGCD CROSSING:

- NO CUTS ARE PERMITTED DURING IRRIGATION SEASON, MARCH 1 TO NOVEMBER 1.
- MAINTENANCE OF ALL UTILITY CROSSINGS SHALL BE THE RESPONSIBILITY OF THE LICENSEE.
- STEEL PIPE SHALL BE USED IN PLACE OF PLASTIC PIPE AT WATERWAY CROSSINGS, OR PLASTIC PIPE MAY BE USED IN STEEL PIPE.
- UTILITY CONDUITS SHALL NOT BE HUNG ON CHECKS, CULVERTS, SIPHON HEADWALLS, OR FLUMES. TRUNK UTILITY CONDUITS MAY BE PERMITTED ON CONCRETE BRIDGES.
- UNDER UNLINED WATERWAYS, A PROTECTIVE SLEEVE SHALL BE INSTALLED AROUND PIPE OR CABLE CROSSINGS UNDER CANAL, LATERAL, OR DRAIN PRISMS. THE PROTECTIVE SLEEVE SHALL BE INSTALLED TO ALLOW A MINIMUM OF 3 FEET BETWEEN THE TOP OF THE SLEEVE AND THE DESIGN INVERT, OR EXISTING BOTTOM (WHICHEVER IS LOWER) OF THE WATERWAY.
- BACKFILL FOR CUTS THROUGH WATERWAYS AND ADJACENT TO CULVERTS SHALL BE COMPACTED TO NOT LESS THAN 90% OF THE MAXIMUM DRY DENSITY OF THE SOIL AS DETERMINED BY THE ASTM PROCTOR TEST.
- UNDER LINED WATERWAYS, A MINIMUM OF 24 INCHES SHALL BE PROVIDED BETWEEN THE TOP OF THE UTILITY CONDUIT AND THE BOTTOM OF THE WATERWAY LINING. BORING OR JACKING METHODS OF INSTALLATION SHALL BE USED TO MINIMIZE THE DISTURBANCE OF CONCRETE OR MEMBRANE-LINED WATERWAYS.
- TUNNELING, BORING, OR JACKING MAY BE ALLOWED UNDER CANALS, LATERALS, AND PIPE CULVERT CROSSINGS WITH THE APPROVAL OF THE DISTRICT ENGINEER. THE CASING DIAMETER CANNOT EXCEED 6-INCHES.
- THE LICENSEE IS RESPONSIBLE FOR REPAIRING ANY DAMAGES TO ANY CANAL LINING AND / OR PIPE CULVERT CROSSINGS CAUSED BY TUNNELING, BORING, OR JACKING.
- SEEDING OF DISTURBED AREAS WITHIN DISTRICT RIGHT-OF-WAY IS REQUIRED PER DISTRICT SEEDING SPECIFICATIONS.



GENERAL CONSTRUCTION NOTES (RELATING TO MRGCD)

- ANY WORK TO BE PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.) RIGHT-OF-WAY SHALL BE CLOSELY COORDINATED WITH THE M.R.G.C.D. ENGINEERING DEPARTMENT AND APPROPRIATE FIELD OFFICE. PHONE: (505) 247-0234.
- THE CONTRACTOR SHALL NOT STORE EQUIPMENT, NEW MATERIALS, OR DEBRIS WITHIN DISTRICT RIGHT-OF-WAY WHICH MAY INTERFERE WITH OPERATIONS AND MAINTENANCE OF THE M.R.G.C.D. FACILITY.
- THE CONTRACTOR SHALL NOT SERVICE VEHICLES OR EQUIPMENT WITHIN M.R.G.C.D. RIGHT-OF-WAY.
- SEEDING OF DISTURBED AREAS WITHIN M.R.G.C.D. RIGHTS-OF-WAY IS REQUIRED PER THE M.R.G.C.D. SEEDING SPECIFICATIONS.
- THE CONTRACTOR MUST MAINTAIN A MINIMUM COVER OF 3' OVER ALL CULVERT CROSSINGS USED FOR ACCESS TO THE PROJECT SITE.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND OR REPLACEMENT OF ANY STRUCTURES REMOVED AND OR DAMAGED DUE TO THE CONTRACTOR'S ACTIVITIES WITHIN THE DISTRICT'S RIGHT-OF-WAY. SHOULD ANY TURNOUTS, CULVERT PIPES, AND / OR STRUCTURES REQUIRE REPLACEMENT DUE TO LEAKAGE AND / OR DAMAGE BY THE CONTRACTOR, NEW TURNOUTS, AND NEW CULVERT PIPES AND / OR NEW STRUCTURES SHALL REPLACE THE DAMAGED ITEM. REPAIRS AND / OR REPLACEMENTS WITHIN THE DISTRICT'S RIGHT-OF-WAY MUST COMPLY WITH THE DISTRICT'S SPECIFICATIONS.
- ALL DAMAGED CULVERT CROSSINGS AND CULVERT CROSSINGS REMOVED AND / OR DISTURBED MUST BE RESTORED AND / OR REPLACED TO THE SATISFACTION OF THE M.R.G.C.D. AND COMPLY WITH M.R.G.C.D. SPECIFICATIONS.
- ALL SALVAGEABLE CULVERTS, IRRIGATION PIPES, ETC. MUST BE RETURNED TO THE M.R.G.C.D.
- THE CONTRACTOR IS RESPONSIBLE FOR EXECUTING A "SPECIAL USE LICENSE AGREEMENT" WITH THE M.R.G.C.D. PRIOR TO CONSTRUCTION.



VICINITY MAP

Q-12-Z

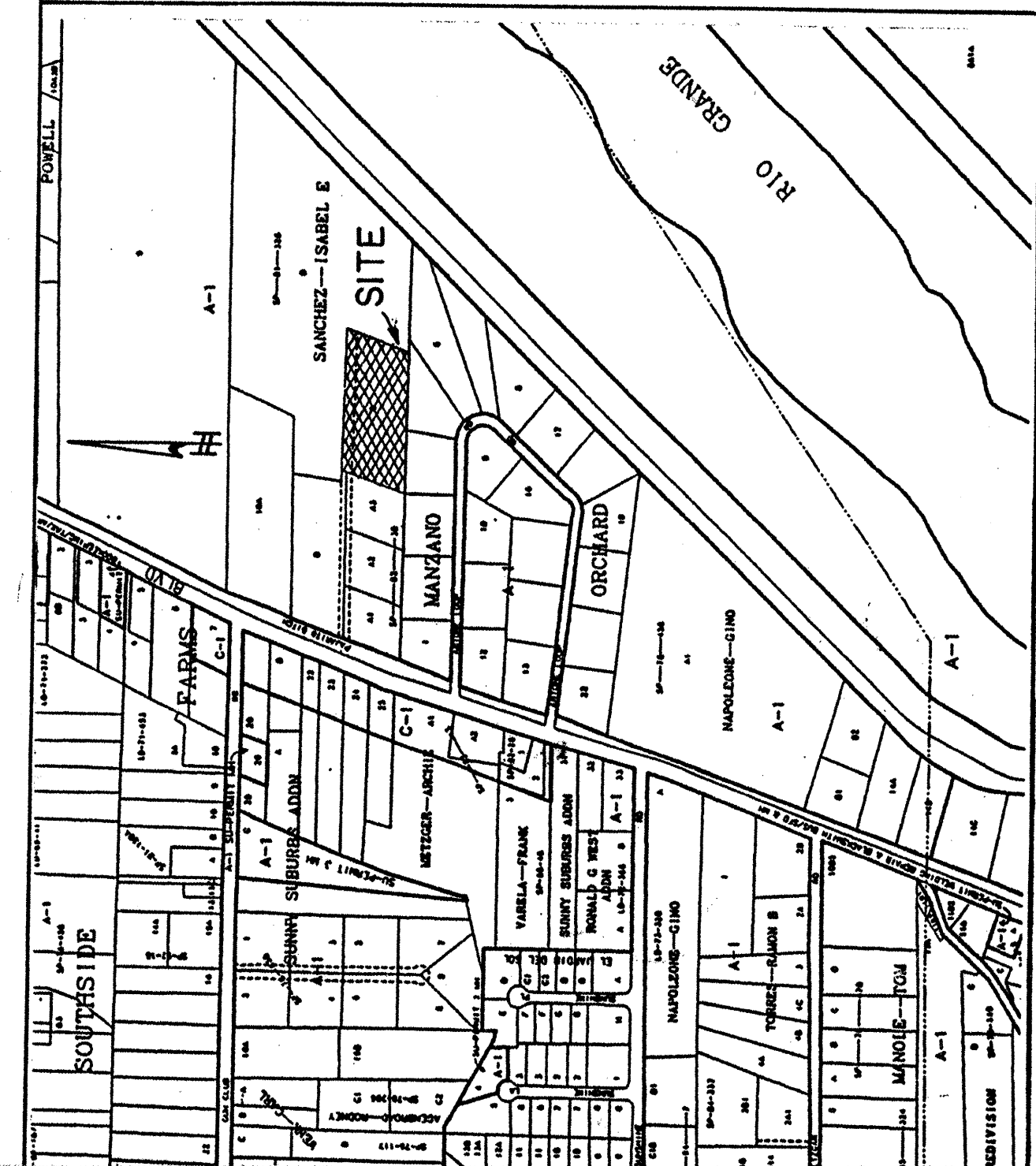
GENERAL NOTES:

- CITY OF ALBUQUERQUE SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS AMENDED THROUGH UPDATE 6, WILL BE REFERRED TO HEREIN AS THE "STANDARD SPECIFICATIONS".
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT NEW MEXICO ONE CALL SYSTEM @ 260-1990 FOR LOCATION OF EXISTING UTILITIES.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE & 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 WITH MINIMUM DELAY.
- ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RESET BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION 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 BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION.
- ANY WORK OCCURRING WITHIN AN ARTERIAL ROADWAY REQUIRES 24 HOURS CONSTRUCTION.

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

DRB CASE #97-253

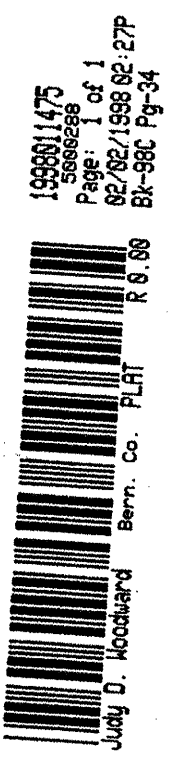
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEER'S STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****	APPROVED FOR CONSTRUCTION		
	Transportation	<i>[Signature]</i>	10-7-99		<i>[Signature]</i> 10-9-99 City Engineer Date		
	Water/Wastewater	<i>[Signature]</i>	10-7-99				
	Hydrology	<i>[Signature]</i>					
	C.I.P.						
	Constr. Mngmt.						
Constr. Coord.	<i>[Signature]</i>						
City Project No.	582281	Sheet	1	Of	45		



SP97013110280173

PR8-924

Plat of Lots C-1, C-2 & C-3 of
LANDS OF ISABEL E. SANCHEZ
Being a Replat of Tract C of
LAND OF ISABEL E. SANCHEZ
In Proj. Section 13, T.9 N., R.2 E., N.M.P.M.
Bernalillo County, New Mexico
January, 1997



LEGAL DESCRIPTION:

A certain tract of land being designated as Tract C of Plat of Division of LAND OF ISABEL E. SANCHEZ situate in PROJ. SEC. 13, T.9 N., R.2 E., N.M.P.M., Bernalillo County, New Mexico filed for record in the office of the County Clerk of Bernalillo County, New Mexico in Plat Book 819, Page 80 on November 20, 1991. Containing 3.0001 Acres more or less.

FREE CONSENT:

I, The Undersigned Owner, do hereby certify that I am the owner of the property described herein and that I have caused the said property to be surveyed and replatted as shown herein and that this plat is with my free consent. I do also grant any and all easements as may be created by this plat.

Bernard Canclaria
Owner: Bernard Thomas Canclaria

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO)

The foregoing instrument was acknowledged before me on this
10th day of February, 1997.

By: *Bernard Canclaria*
My Commission Expires: 3-10-98
Notary Public

Vicinity Map (Not to scale)

APPROVALS - BERNALILLO COUNTY
Albuquerque/Bernalillo County Planning Department

By: *[Signature]* Date: 5-2-97
By: *[Signature]* Date: 4/18/97
By: *[Signature]* Date: 4/24/97
By: *[Signature]* Date: 4/24/97
By: *[Signature]* Date: 4/24/97

Notes: DES-97-253
1. Zone Atlas Q-12-Z

2. Basis of Bearings - Ab. Control Station
7-011' best fit to Ab. Control Station
7-011'
3. Approval and filing of this plat with the County Clerk of Bernalillo County does not effect public or private easement whether recorded or unrecorded
4. Unless otherwise shown, set a 1/2" rebar with plastic cap stamped LS 9801
5. Plat shows all easements of record.
6. All Bearings are Old Bearings and
All Distances are ground distances.
7. The Forty (40) Private Road & Utility Easement is Exclusively for the benefit and use by and for the Owners of Tracts C-1, C-2 and C-3 and is to be maintained by said owners. 41, 42, 43 TRACTS 6 40

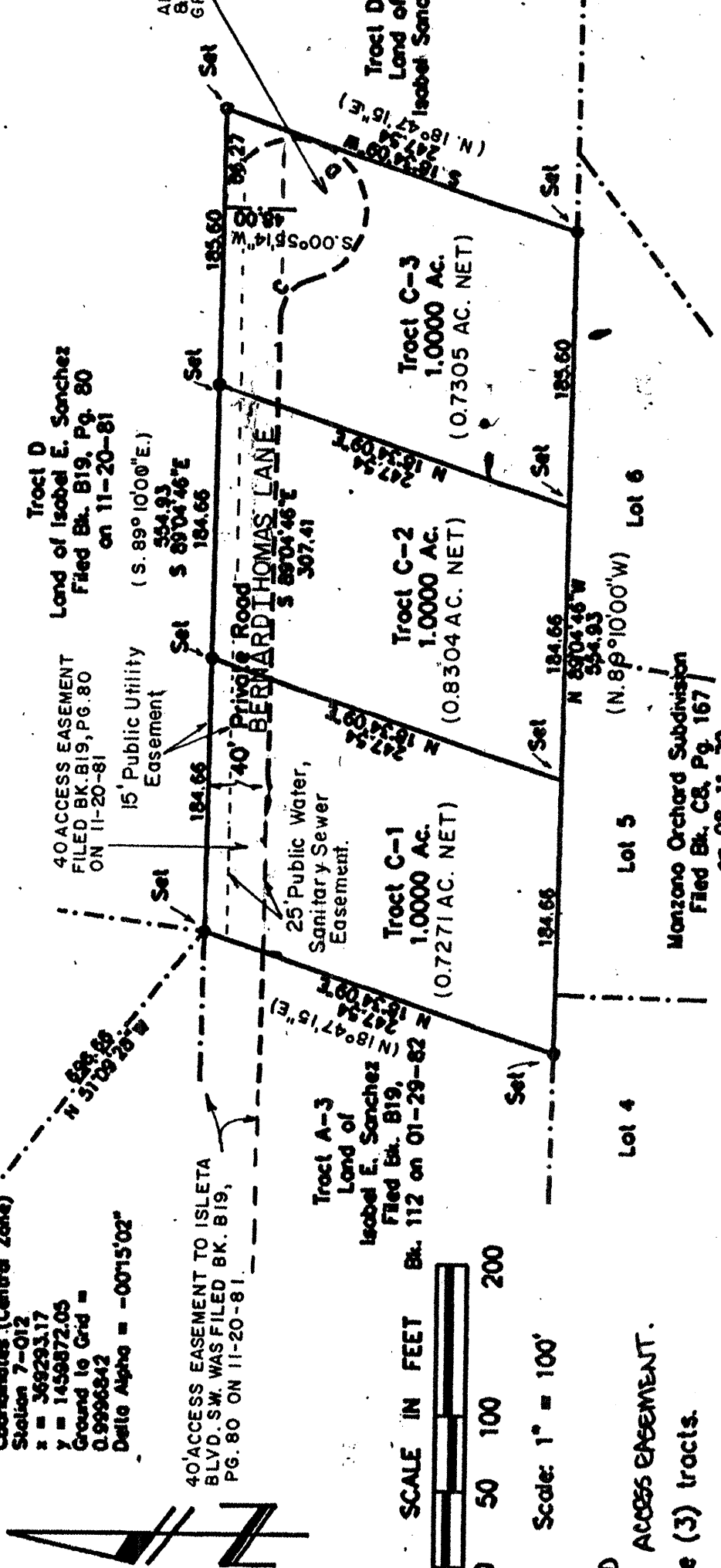
Disclosure Statement: Tract C has been divided into three (3) tracts.

CURVE DATA

LABEL	RADIUS	ANGLE	CHORD	CHORD BEG.	TANGENT	ARC LEN.
C	28.00	74°47'35"	33.98	S 51°42'29"E	21.38	36.53
D	48.00	25°44'35"	76.29	N 38°17'35"E	62.84	21.42

LINE TABLE

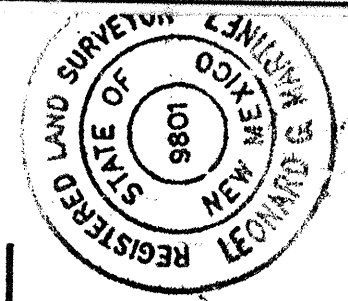
LABEL	BEARING	DISTANCE
C	S 89°04'48"E	26.53



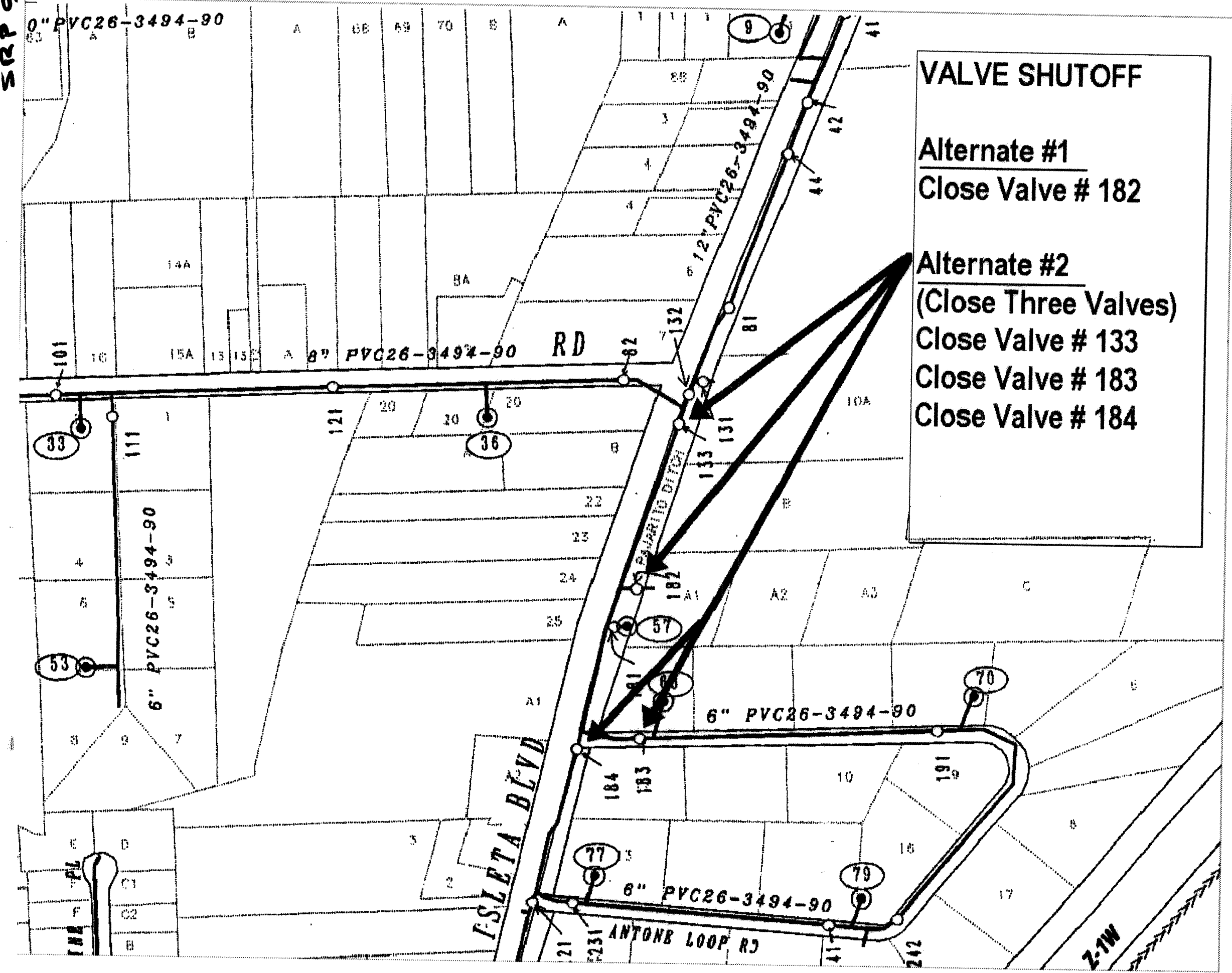
SURVEYOR'S CERTIFICATION

I, Leonard G. Martinez, New Mexico Professional Land Surveyor No. 9801, hereby certify that this plat was prepared by me, that it meets the minimum requirements for monumentation and surveys of the Albuquerque Subdivision Ordinance and standards for Surveying in the State of New Mexico as adopted by the New Mexico State Board of Registration for Professional Engineers and Land Surveyors; and that it is true and correct to the best of my knowledge and belief.

Leonard G. Martinez
Leonard G. Martinez, N.M.L.S. No. 9801



SRP 97-26



Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BERNARD CANDELARIA PROPERTY
WATER AND SEWER EXTENSION
TR. C-1, TR. C-2, & TR. C-3, LANDS OF ISABEL E. SANCHEZ

DESIGN REVIEW COMMITTEE
City Project No. 582281
Zone Map No. Q-12-Z
Sheet 2 of 5

APPROVED
DESIGN REVIEW COMMITTEE
CITY ENGINEER

DESIGNED: TOB
DRAWN BY: TOB
CHECKED BY: TOB

REVISIONS
DESIGN

NO. DATE BY

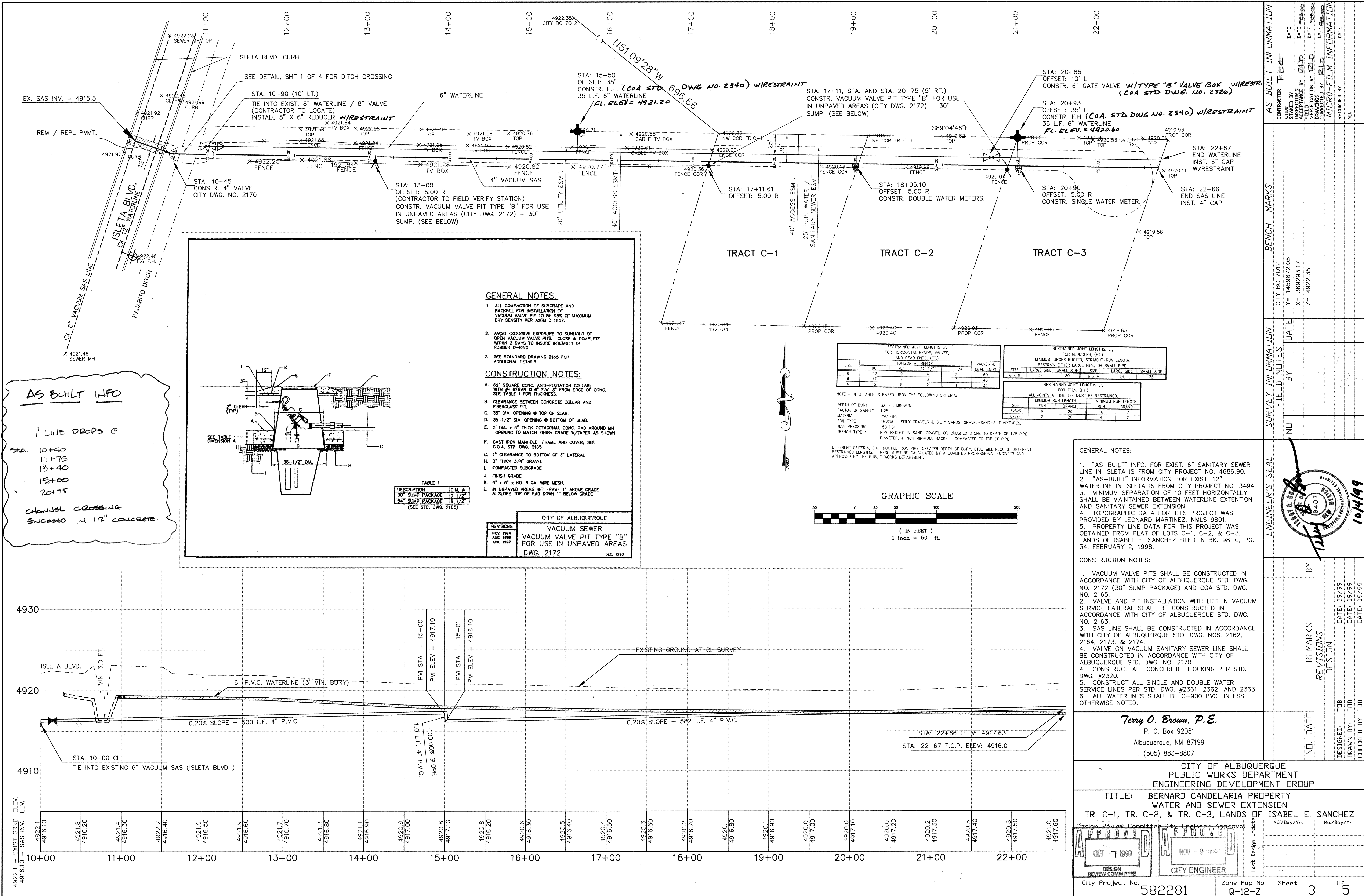
DATE: 09/99
DATE: 09/99
DATE: 09/99

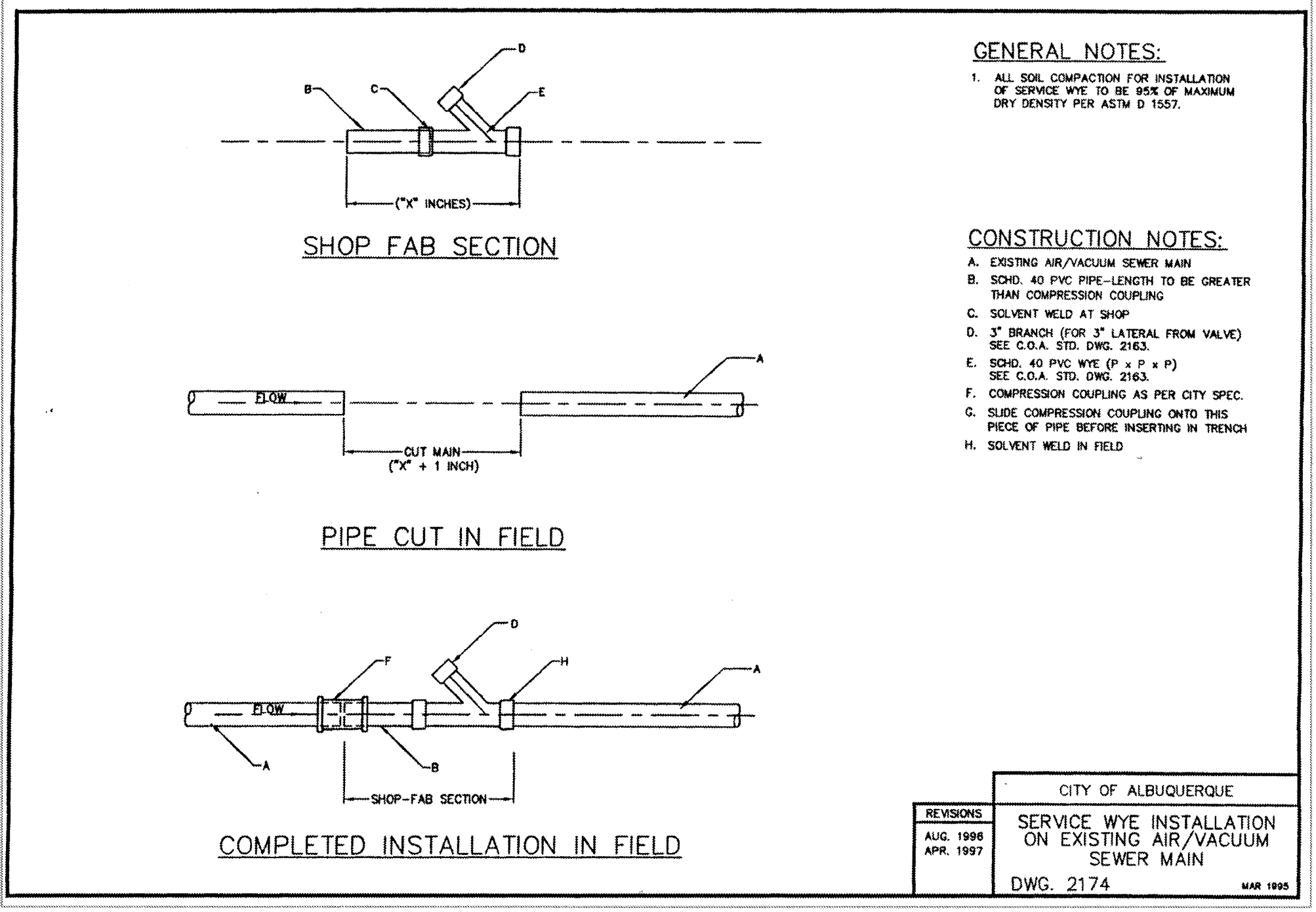
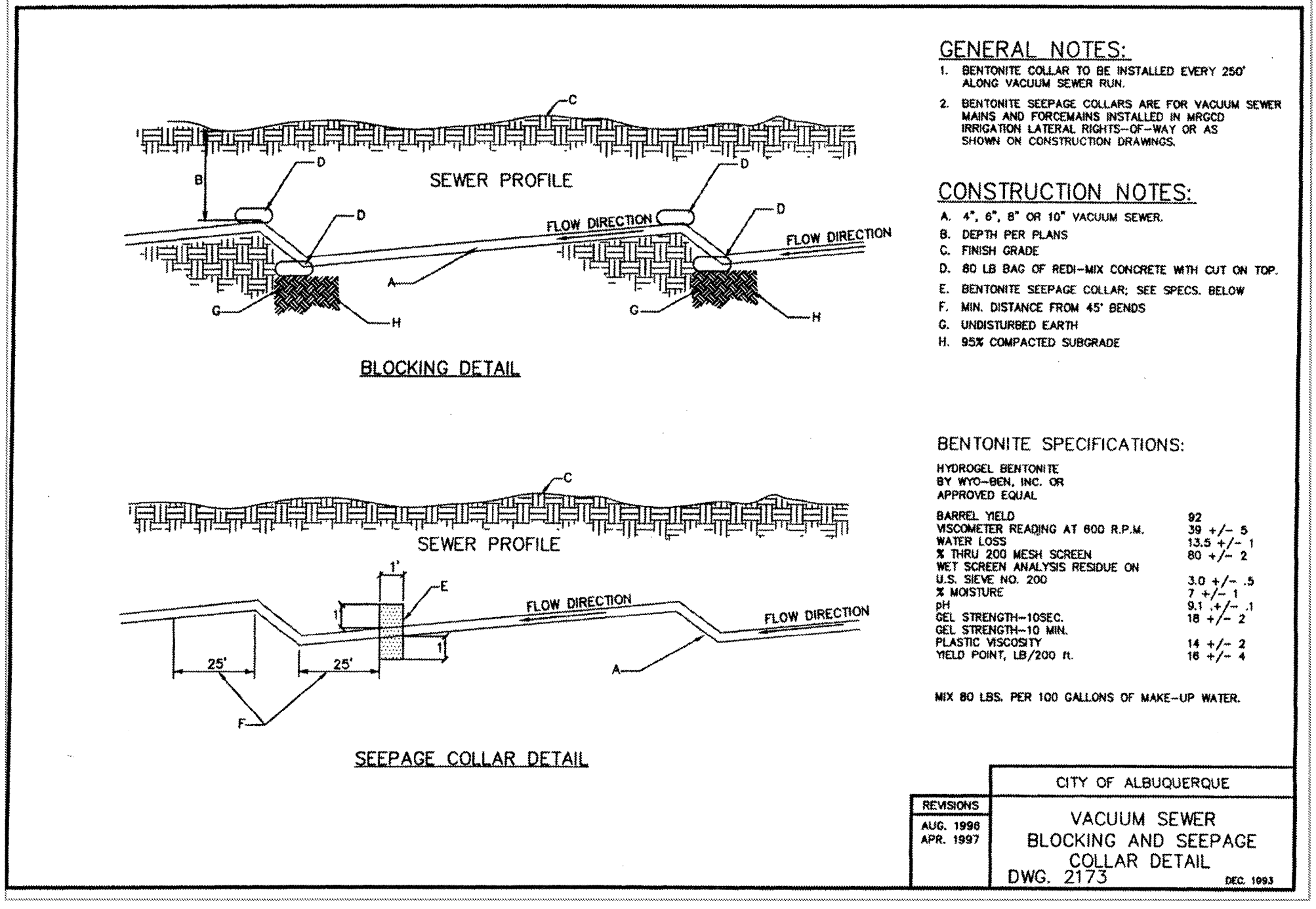
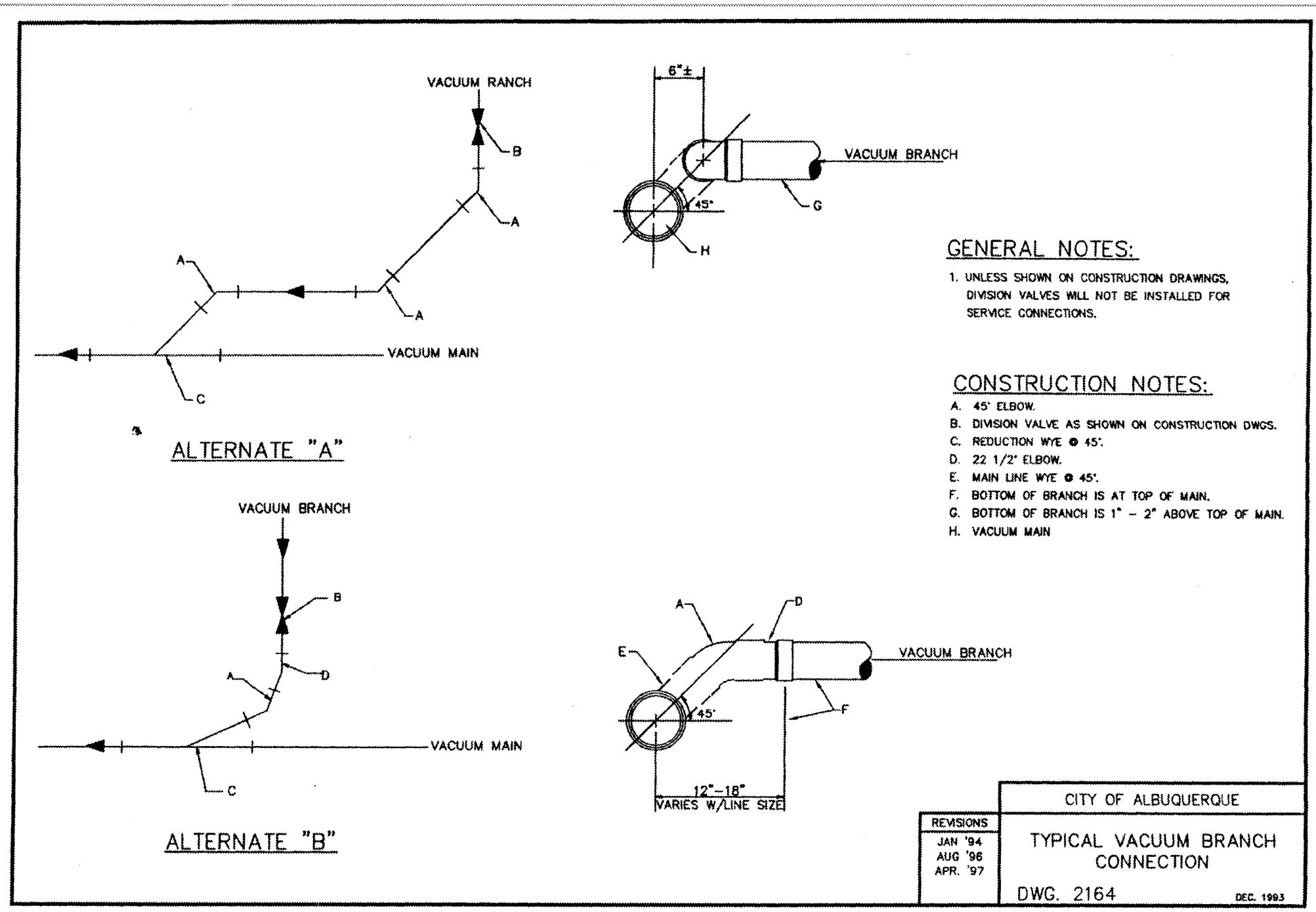
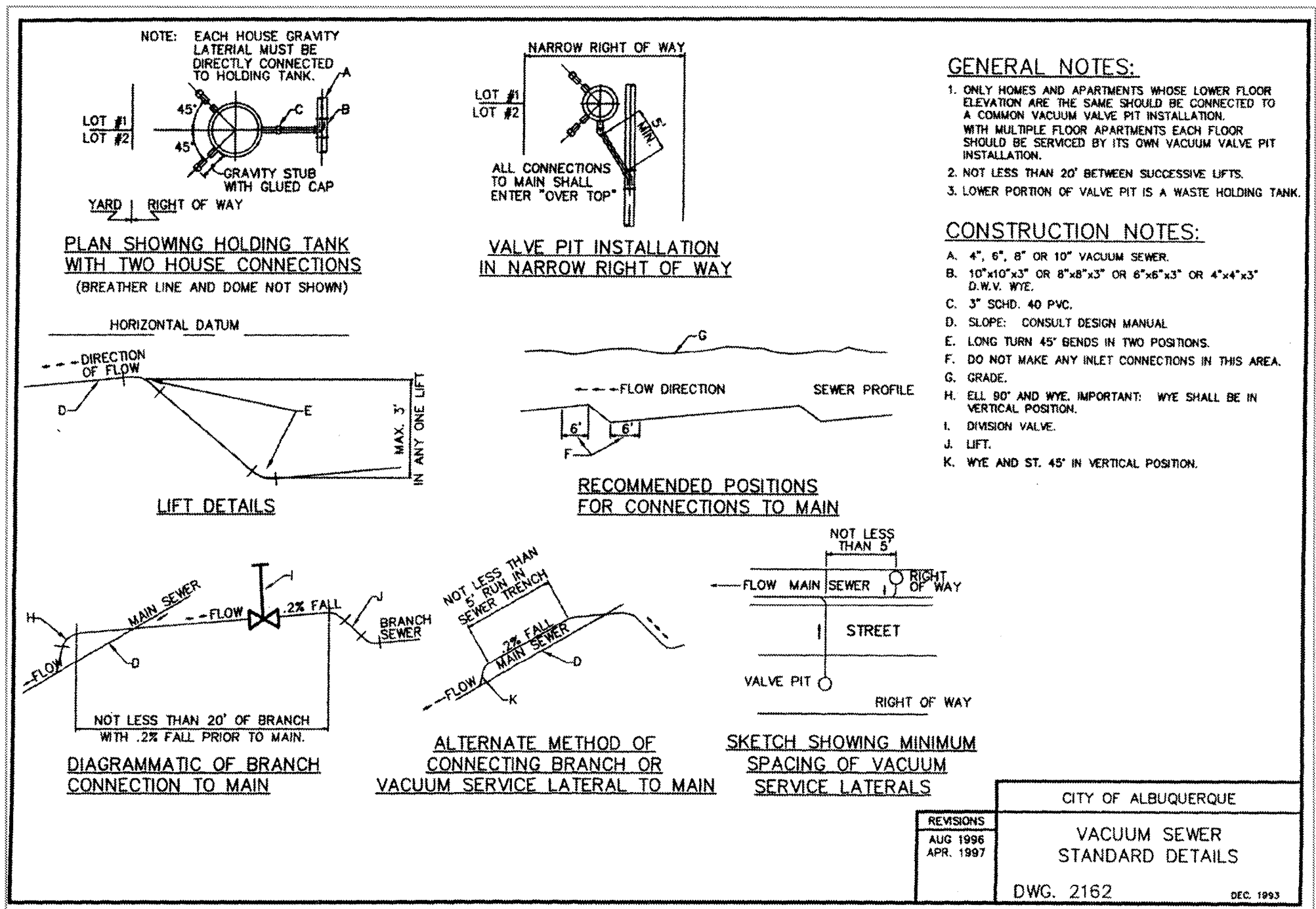
ENGINEER'S SEAL
[Signature]
10/24/99

SURVEY INFORMATION
FIELD NOTES
NO. BY DATE

BENCH MARKS
CITY BC 7012
Y = 1459872.05
X = 369293.17
Z = 4922.35

AS BUILT INFORMATION
CONTRACTOR: TLLC
INSPECTED BY: DATE
STAKED BY: DATE
VERIFICATION BY: 2LD DATE 10/98
CORRECTED BY: 2LD DATE 10/98
MICRO-FILM INFORMATION
RECORDED BY: DATE
NO.





NOTE:

THE DRAWINGS ON THIS SHEET ARE CITY OF ALBUQUERQUE STANDARD DRAWINGS WHICH ARE NOT INCLUDED IN THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION DOCUMENT AT THIS TIME. THE STANDARD DRAWINGS ABOVE WILL, HOWEVER, SERVE AS A GOVERNING SPECIFICATION FOR CONSTRUCTION OF THIS PROJECT.

Terry O. Brown, P.E.
P. O. Box 92051
Albuquerque, NM 87199
(505) 883-8807

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: BERNARD CANDELARIA PROPERTY
WATER AND SEWER EXTENSION
TR. C-1, TR. C-2, & TR. C-3, LANDS OF ISABEL E. SANCHEZ

DESIGN REVIEW COMMITTEE City Engineer Approval

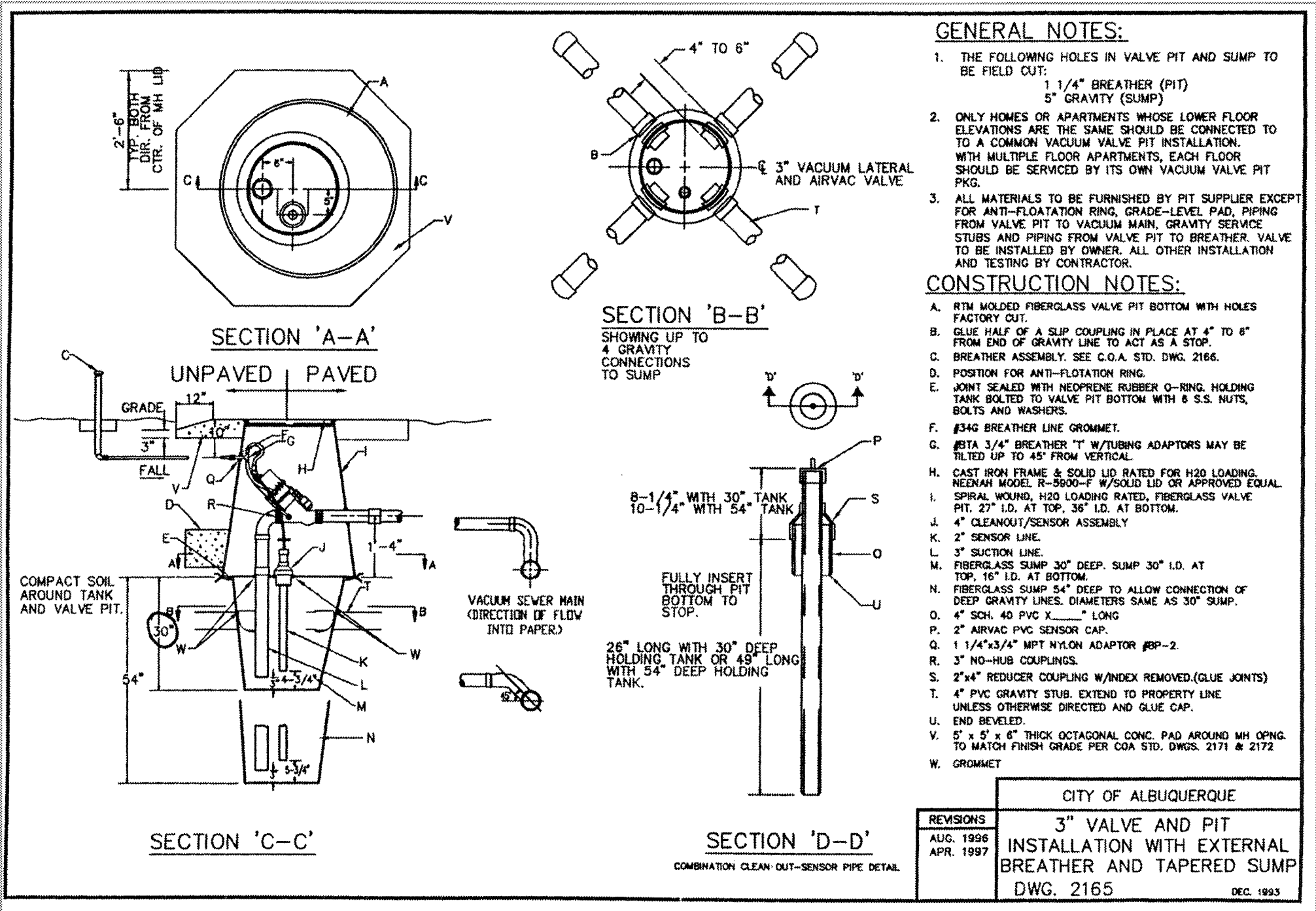
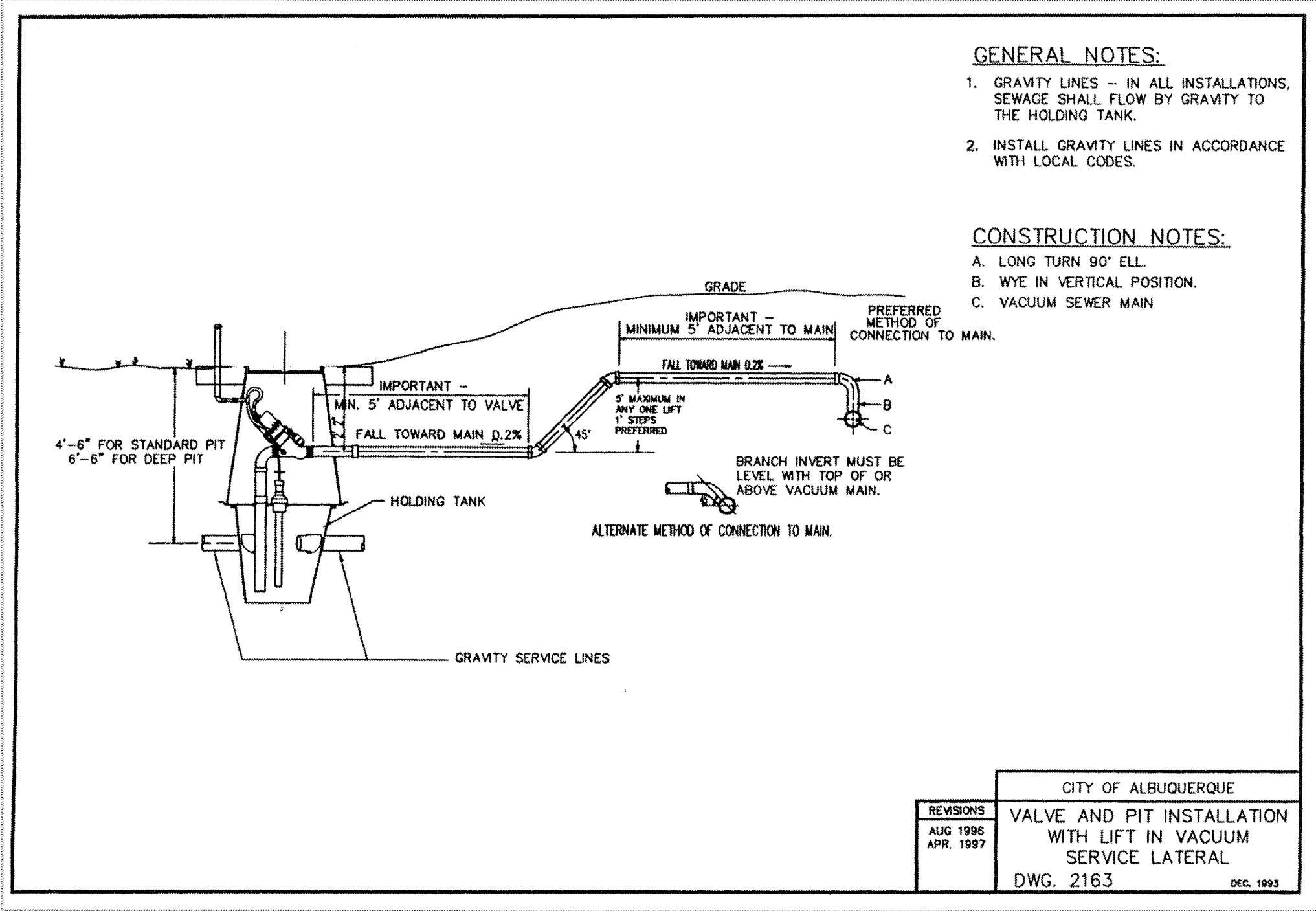
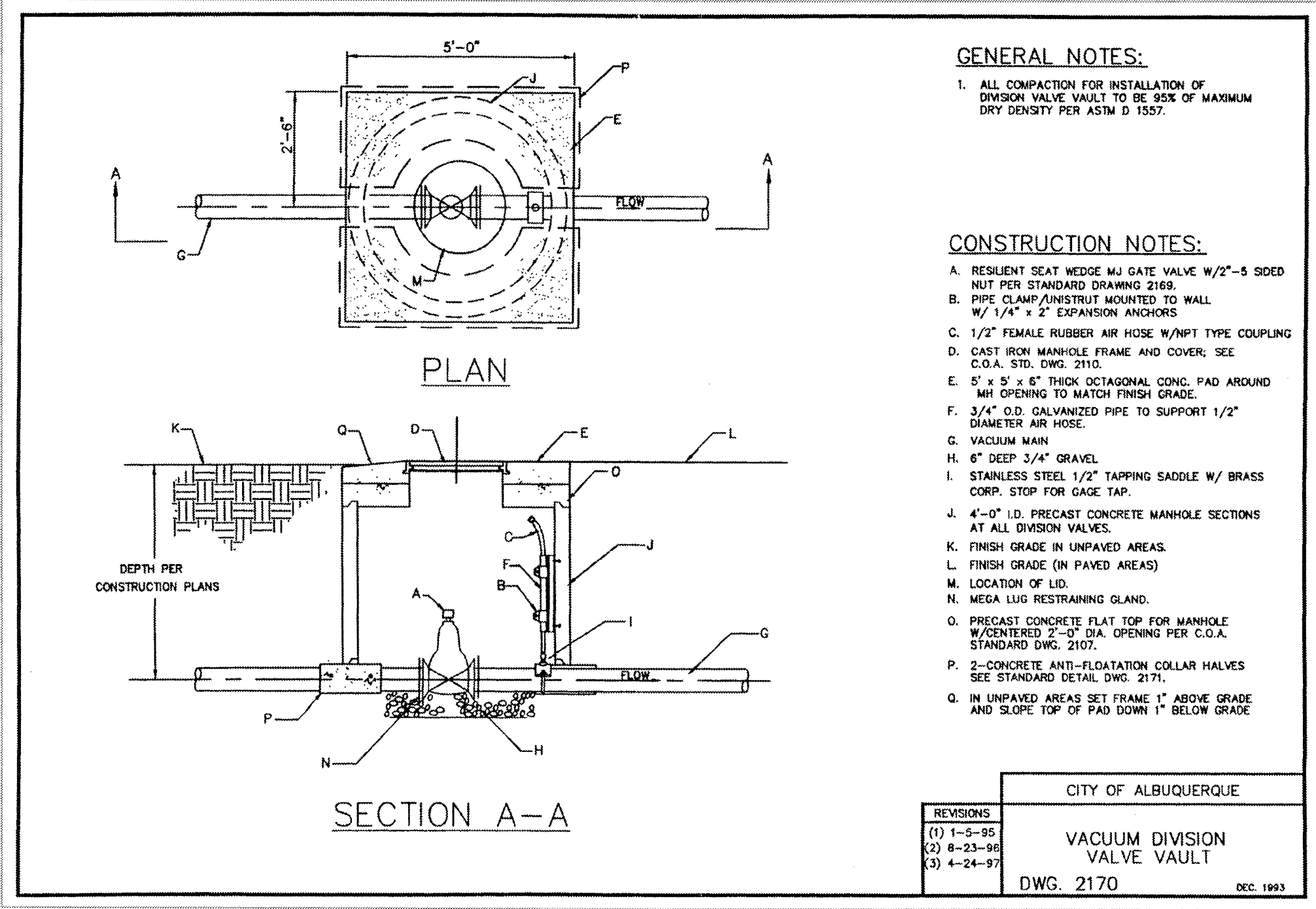
APPROVED
CITY 1 1999
DESIGN REVIEW COMMITTEE

APPROVED
CITY 9 1999
CITY ENGINEER

City Project No. 582281 Zone Map No. Q-12-Z Sheet 3a of 5

REMARKS
DESIGN
REVISIONS
DESIGN
DATE: 09/99
DATE: 09/99
DATE: 09/99

DESIGNED: TOB
DRAWN BY: TOB
CHECKED BY: TOB



NOTE:

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Terry O. Brown, P.E.

P. O. Box 92051

Albuquerque, NM 87199

(505) 883-8807

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING DEVELOPMENT GROUP

TITLE: BERNARD CANDELARIA PROPERTY

WATER AND SEWER EXTENSION

TR. C-1, TR. C-2, & TR. C-3, LANDS OF ISABEL E. SANCHEZ

Design Review Committee City Engineer Approval

APPROVED

DESIGN REVIEW COMMITTEE

CITY ENGINEER

Mo./Day/Yr.

Mo./Day/Yr.

City Project No.

Zone Map No.

Sheet

Of

582281

Q-12-Z

3b

5

NO. DATE

REMARKS

BY

DESIGNED: TOB

DRAWN BY: TOB

CHECKED BY: TOB

REVISIONS

DESIGN

DATE: 09/99

DATE: 09/99

DATE: 09/99

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.

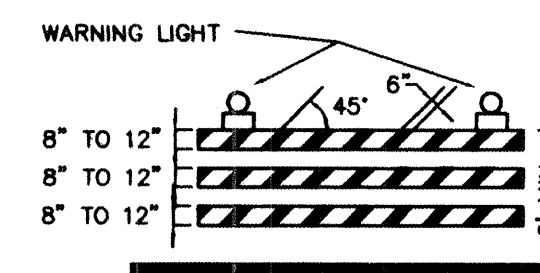
23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

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

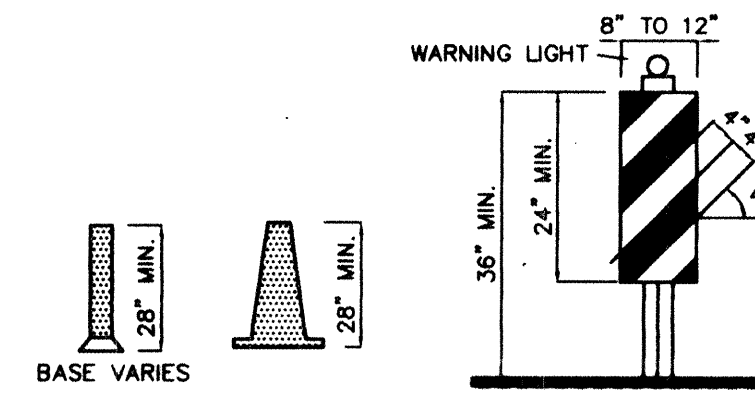
25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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.

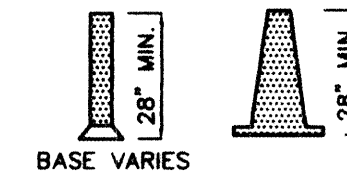
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.



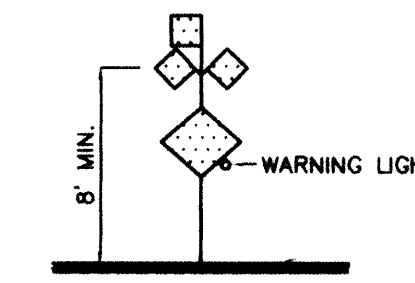
TYPE III BARRICADE



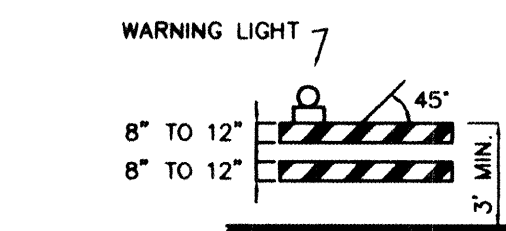
VERTICAL PANEL



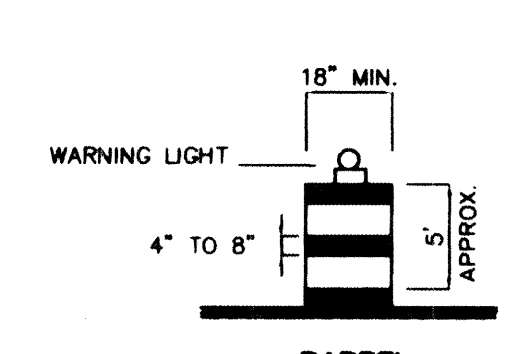
CONES



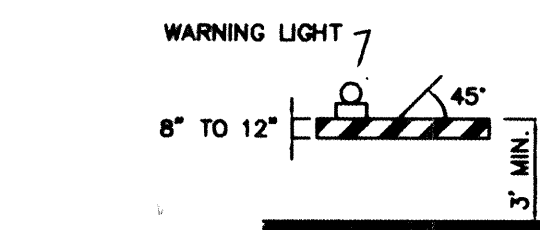
HIGH LEVEL WARNING DEVICE



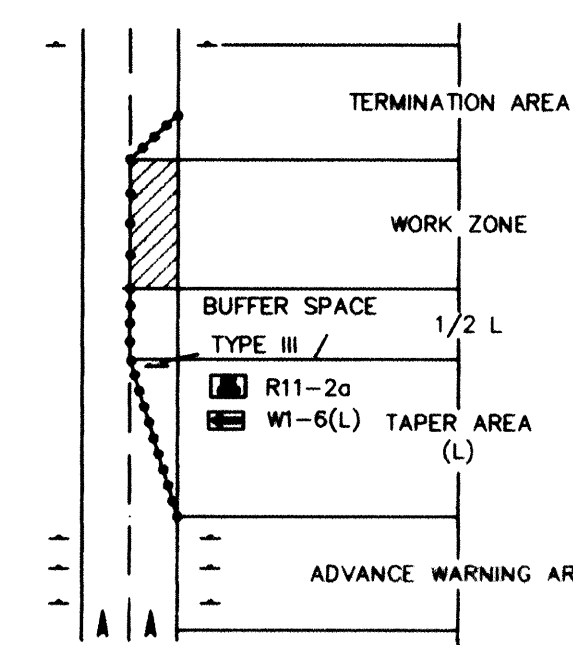
TYPE II BARRICADE



BARREL



TYPE I BARRICADE



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 MILES PER HOUR	MINIMUM DISTANCE IN FEET	
	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

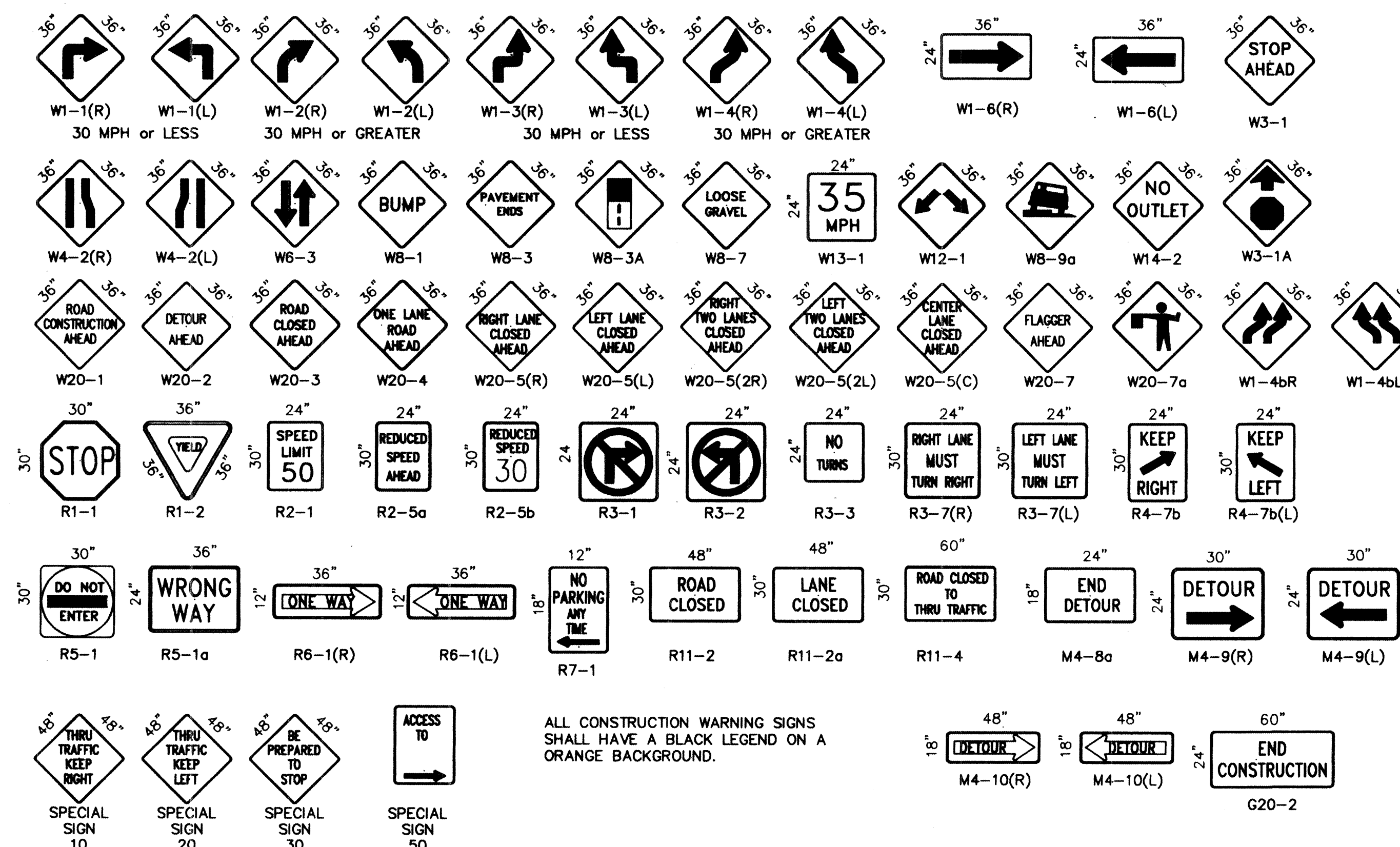
TAPER CRITERIA

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

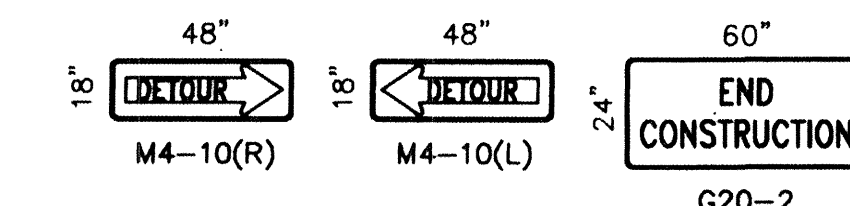
TAPER LENGTH COMPUTATION

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



G20-2

CTCS102.DWG

TYPICAL RIGHT LANE CLOSURE

TYPICAL LEFT LANE CLOSURE

TYPICAL ONE DIRECTION DETOUR

TYPICAL TRAFFIC SPLIT-(PAINTED MEDIAN)

TYPICAL TRAFFIC SPLIT-(RAISED MEDIAN)

TYPICAL SANITARY SEWER SPLITTING OPERATION

TYPICAL STREET CLOSURE

TYPICAL MID-BLOCK CLOSURE

TYPICAL STREET CLOSURE

TYPICAL STREET CLOSURE

TYPICAL DOUBLE RIGHT LANE CLOSURE

TYPICAL DOUBLE LEFT LANE CLOSURE

TYPICAL FLAGGING OPERATION

TYPICAL STREET CLOSURE

GENERAL NOTE:

ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON AN 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.

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.

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

NOTE: DEPENDING ON WORK ZONE LOCATION

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

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

AS BUILT INFORMATION

CONTRACTOR	DATE
INSPECTOR	DATE
DESIGNED BY	DATE
CHECKED BY	DATE
RECORDED BY	DATE

ENGINEER'S SEAL

REVISIONS

NO.	DATE	REVISIONS
1	9/24/97	DESIGN

DESIGNED BY C.O.A. **STANDARD** **DATE** **CHECKED BY** **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	MO./DAY/YR	MO./DAY/YR
COA	STD		

PROJECT NO. 582281 **MAP NO.** **SHEET** 5 **OF** 5

LAST UPDATE

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