

LOS CANDELARIAS SUBDIVISION

CENTEX HOMES INC.
ALBUQUERQUE, NM

APRIL 24, 2003

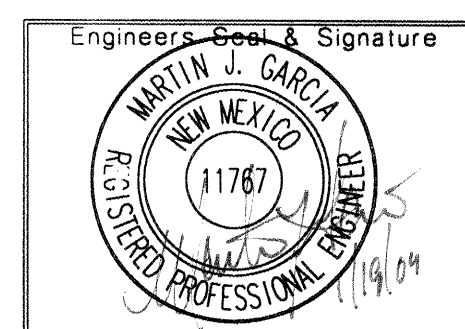
INDEX OF DRAWINGS

- | | |
|----|--|
| 1 | COVER SHEET |
| 2 | GENERAL NOTES |
| 3 | PLAT |
| 4 | MASTER GRADING PLAN |
| 5 | MASTER PAVING PLAN |
| 6 | MASTER UTILITY PLAN |
| 7 | ROADWAY PLAN AND PROFILE |
| 8 | ROADWAY PLAN AND PROFILE |
| 9 | UTILITY PLAN AND PROFILE |
| 10 | UTILITY PLAN AND PROFILE |
| 11 | ACCESS EASEMENT 1 & 2 PLAN AND PROFILE |
| 12 | ACCESS EASEMENT 3 & 4 PLAN AND PROFILE |
| 13 | TYPICAL SECTIONS AND DETAILS |
| 14 | C.O.A. STANDARD UTILITY DETAILS |
| 15 | TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES |
| 16 | TRAFFIC CONTROL STANDARDS |

RECORD DRAWINGS

I, Martin J. Garcia of the firm ABQ Engineering, Inc.,
A Registered Professional Engineer in the State of New Mexico,
do hereby certify, to the best of my knowledge and belief,
that the infrastructure installed as part of this project
has been inspected by me or by a qualified person under
my direct supervision and has been constructed in accordance
with the plans and specifications, approved by the City Engineer
and that the original design intent of the approved plans has
been met, except as noted by me on the as-built construction
drawings. This Certification is based on site inspections
by me or personnel under my direction and survey information
provided by Community Sciences Corporation NMPS number 12651.

Martin J. Garcia NMPE 11767 Date 1/19/04



APPROVED AS RECORD DRAWINGS
DESIGN REVIEW SECTION
CITY CONSTRUCTION ENGINEER
[Signature]
DATE: 8/10/05

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
2	6		7	0	9	5	.	8	1					0	5

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.

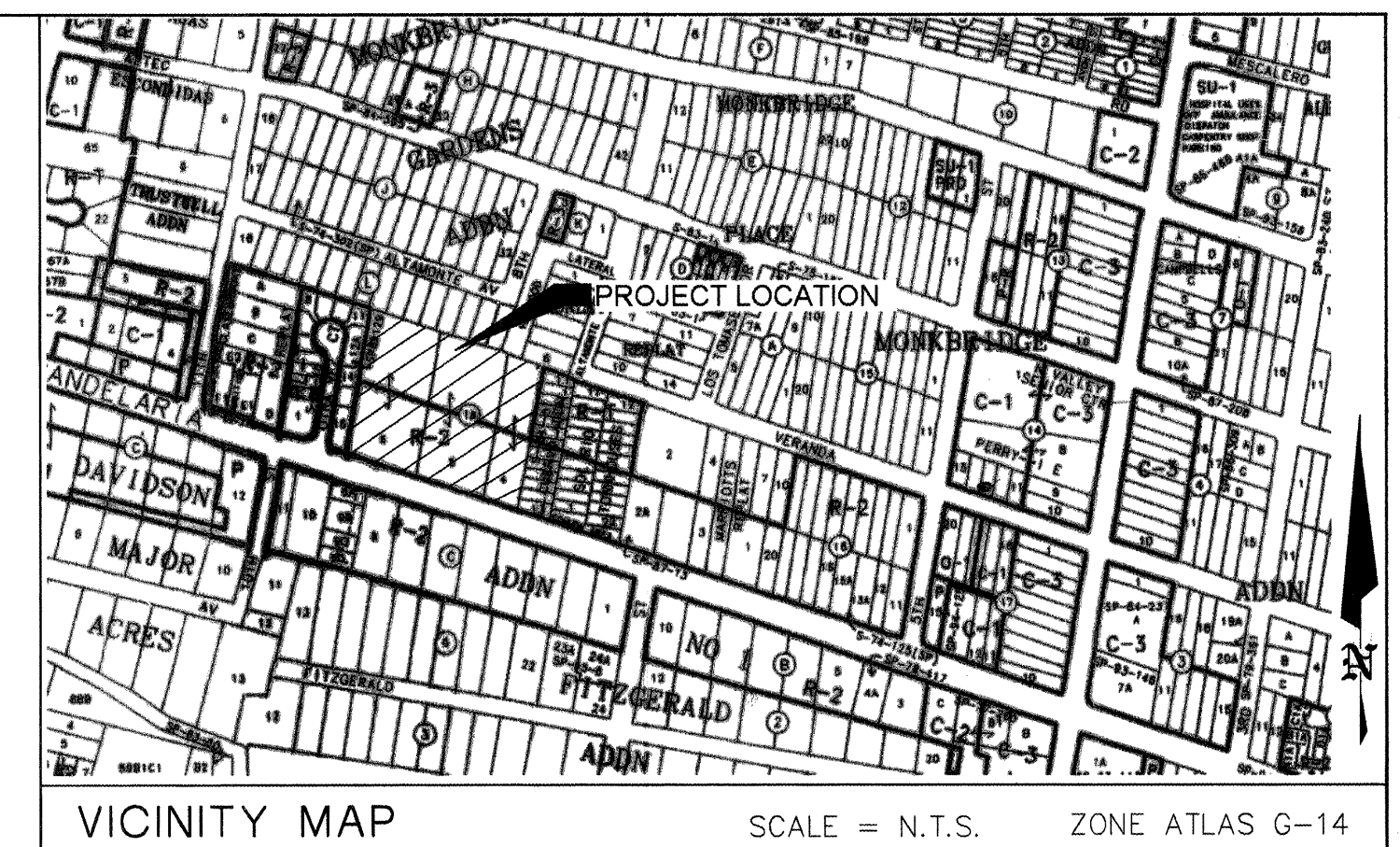
ABQ
Engineering,
Inc.

- Engineers •Planners
- Construction Services

1631 Eubank NE, Suite C,
Albuquerque, NM 87112
505-255-7802 FAX 505-255-7902
ABQ NO. 22170

DRB# 1002400

						DRC #	1002790
REV.	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE				APPROVALS	ENGINEER	DATE	* * * * *
				DRC Chairman	<i>[Signature]</i>	5-14-03	APPROVED FOR CONSTRUCTION <i>[Signature]</i> 5/16/03 CITY ENGINEER DATE
				Transportation	<i>[Signature]</i>	4/24/03	
				Water/Wastewater	<i>[Signature]</i>	4/29/03	
				Hydrology	<i>[Signature]</i>	4-30-03	
				Parks	<i>[Signature]</i>		
				Constr. Coord.	<i>[Signature]</i>	5-14-03	
				Envir. Health	N/A		
				City Project No.		Sheet	Of
				709581		1	16



AS-BUILT DRAWINGS

SURVEYOR'S CERTIFICATION

I, Thomas W. Patrick, a duly qualified Registered Professional Land Surveyor under the Laws of the State of New Mexico, do hereby certify that the "as-built" information shown on these drawings was obtained from field construction and "as-built" surveys performed by me, or under my supervision, that the "as-built" information shown on these drawings was added by me, or under my supervision and that this "as-built" information is true and correct to the best of my knowledge and belief." Community Sciences Corporation is not responsible for any of the design concepts, calculations, engineering and/or intent of the record drawings. / s/

Thomas W. Patrick, N.M.P.S. 12651

Date 8.19.2003

REVISED 10.14.2003
SEE SHEET 4 OF 16. *tlp*

SCANNED BY
MESA REPRO

SCANNED BY
MESA REPRO

General Notes

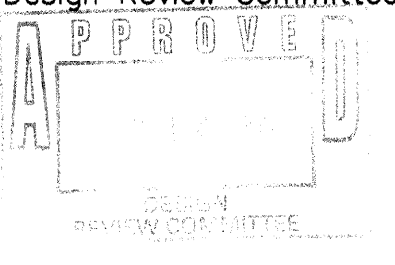
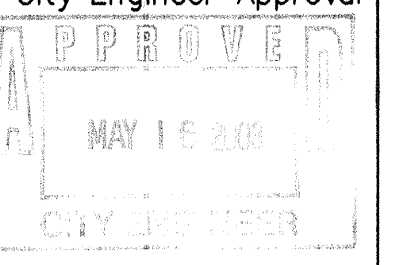
1. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) AND DETERMINE LOCATION OF EXISTING UTILITIES.
2. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR THE SURVEYOR SO THAT THE CONFLICT CAN BE RESOLVED WITHOUT DELAY.
3. ALL EXISTING SIGNS, MARKERS, DELINEATORS, ETC., WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED, STORED AND RE-SET BY THE CONTRACTOR.
4. 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.
5. ANY WORK AFFECTING AN ARTERIAL ROADWAY REQUIRES A TWENTY-FOUR HOUR CONSTRUCTION TIME.
6. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY TRAFFIC ENGINEER AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK. PLANS SHALL BE PREPARED IN ACCORDANCE WITH MUTCD REQUIREMENTS AND BY CERTIFIED PERSONNEL AND MUST BE APPROVED PRIOR TO COMMENCEMENT OF WORK ON THE PROJECT.
7. SUBJECT TO THE APPROVED TRAFFIC CONTROL PLAN, AT LEAST ONE LANE SHALL BE OPEN TO TRAFFIC AT ALL TIMES. CONTRACTOR SHALL PROVIDE PROPER SIGNAGE AND FLAGMAN AND SHALL MAINTAIN THE TRAFFIC LANE IN SUCH A MANNER AS TO ASSURE PROPER SAFETY TO THE TRAVELING PUBLIC ON ALL AFFECTED ROADS. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL PRIVATE AND PUBLIC PROPERTY AT ALL TIMES, EXCEPT WHEN GRADING, EXCAVATION AND BACKFILL OPERATIONS ARE BEING CONDUCTED IMMEDIATELY IN FRONT OF THE PROPERTY, IN WHICH CASE ACCESS WILL NOT BE DENIED FOR MORE THAN 4 HOURS WITHOUT APPROVAL BY THE CITY.
8. TRAFFIC LANES PROVIDED DURING CONSTRUCTION SHALL BE MAINTAINED, IN SUCH A CONDITION UNDER ALL WEATHER CONDITIONS, SO AS TO PERMIT THE REASONABLE PASSAGE OF PASSENGER VEHICLES, AND SHALL BE KEPT GRADED AND SMOOTH, AND WATERED SEVERAL TIMES DAILY TO CONTROL DUST.
9. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR WILL SUBMIT A DETAILED CONSTRUCTION SCHEDULE TO THE CITY CONSTRUCTION COORDINATION DIVISION. TWO (2) DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF SPECIFICATIONS.
10. THE SPECIFICATIONS USED FOR THIS PROJECT ARE THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1994 EDITION, UPDATE NO.6.
11. THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.

12. ALL WATER VALVE BOXES MANHOLES IN THE STREET CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.
13. SUBGRADE PREPARATIONS UNDER SIDEWALKS AND DRIVE PADS, AND SUBGRADE AND SUBBASE PREPARATION UNDER CURB AND GUTTER IS CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF SUCH, AND NO DIRECT PAYMENT SHALL BE MADE FOR THOSE ITEMS OF WORK.
14. ALL EXCAVATION WILL BE GOVERNED BY FEDERAL, STATE AND LOCAL LAWS, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.
15. ALL SIGNS AND CODING WILL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS" CURRENT EDITION PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION.
16. WHEN ABUTTING NEW PAVEMENT TO EXISTING INTERSECTING STREETS, SAW CUT EXISTING PAVEMENT TO A STRAIGHT LINE AND AT RIGHT ANGLES AND REMOVE ANY BROKEN OR CRACKED PAVEMENT. NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING.
17. CONTRACTOR WILL MAKE ALL WATER VALVES AND MANHOLES ACCESSIBLE TO THE CITY AT ALL TIMES.
18. CONTRACTOR WILL CONFINE HIS WORK WITHIN THE CONSTRUCTION EASEMENT LIMITS AND/OR RIGHT-OF-WAY, OR PROVIDE COPIES OF AGREEMENTS WITH ADJACENT LANDOWNERS TO THE CITY OF ALBUQUERQUE.
19. THE CONTRACTOR AGREES TO TAKE NECESSARY SAFETY PRECAUTIONS AS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES TO PROTECT PEDESTRIAN AND VEHICULAR TRAFFIC IN THE CONSTRUCTION AREA, WHICH INCLUDE BUT ARE NOT LIMITED TO: MAINTAINING ADEQUATE WARNING SIGNS, BARRICADES, LIGHTS, GUARD FENCES, WALKS AND BRIDGES.
21. TACK COAT FOR SURFACE COURSE REQUIREMENTS WILL BE DETERMINED BY THE FIELD ENGINEER.
22. PERMANENT PAVEMENT STRIPING AND MARKINGS WILL BE PLACED BY THE CONTRACTOR. ROAD SHALL NOT BE OPENED TO THE TRAFFIC UNTIL IT IS STRIPED. ALL STRIPING, PAVEMENT MARKINGS INCLUDING CROSSWALKS, ARROWS AND LINE MARKINGS ARE TO BE CONSTRUCTED OF HOT PLASTIC OR COLD PLASTIC IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
23. ALL ASPHALTIC CONCRETE SHALL BE MINIMUM 1800 LB. STABILITY AND COMPACTED TO 93%-97% MODIFIED MARSHALL DENSITY UNLESS OTHERWISE NOTED ON THE PLANS.
24. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
25. CONTRACTOR SHALL COORDINATE WITH WATER SYSTEMS DIVISION (857-8200) SEVEN (7) WORKING DAYS PRIOR TO ANY WORK THAT MAY AFFECT EXISTING CITY PUBLIC WATER OR SEWER UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUTOFF. EXISTING CITY VALVES TO BE OPERATED BY CITY PERSONNEL ONLY.
26. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
27. 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 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 REQUESTER 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.

NO AS-BUILT DATA
ON THIS SHEET

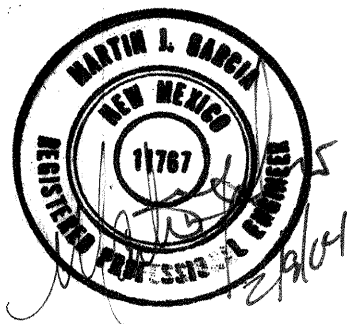
ABQ Engineering, Inc.		•Engineers •Planners •Construction Services 1631 Eubank NE, Suite C, Albuquerque, NM 87112 505-255-7802 FAX 505-255-7902 ABQ NO. 22170	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: LOS CANDELARIAS SUBDIVISION GENERAL NOTES			
Design Review Committee		City Engineer Approval	
			
City Project No.		Zone Map No.	SHEET OF
709581		G-14	2 16

I, Martin J. Garcia, NMPE, 11767, of the firm ABO Engineering, Inc., hereby certify that this project has been graded and will drain in substantial compliance with and in accordance with the design intent of the approved plan dated 2/19/2003. The record information edited onto the original design document has been obtained by Thomas W. Patrick of the firm Community Sciences Corporation. I further certify that I have determined by visual inspection that the survey data provided is representative of actual site conditions and is true and correct to the best of my knowledge and belief. This certification is submitted in support of a request for project closure.

The record information presented hereon is not necessarily complete and intended only to verify substantial compliance of the grading and drainage aspect of this project. Those relying on the record document are advised to obtain independent verification of its accuracy before using it for any other purpose.

Signature of Engineer: *[Signature]* Date: 2/6/04

Signature of Engineer: *[Signature]* Date: 2/6/04



EXISTING CMU WALL
CONCRETE VALLEY GUTTER, SEE 1/C2
SEE PLAT FOR EASEMENT

SCANNED BY
MESA REPRO

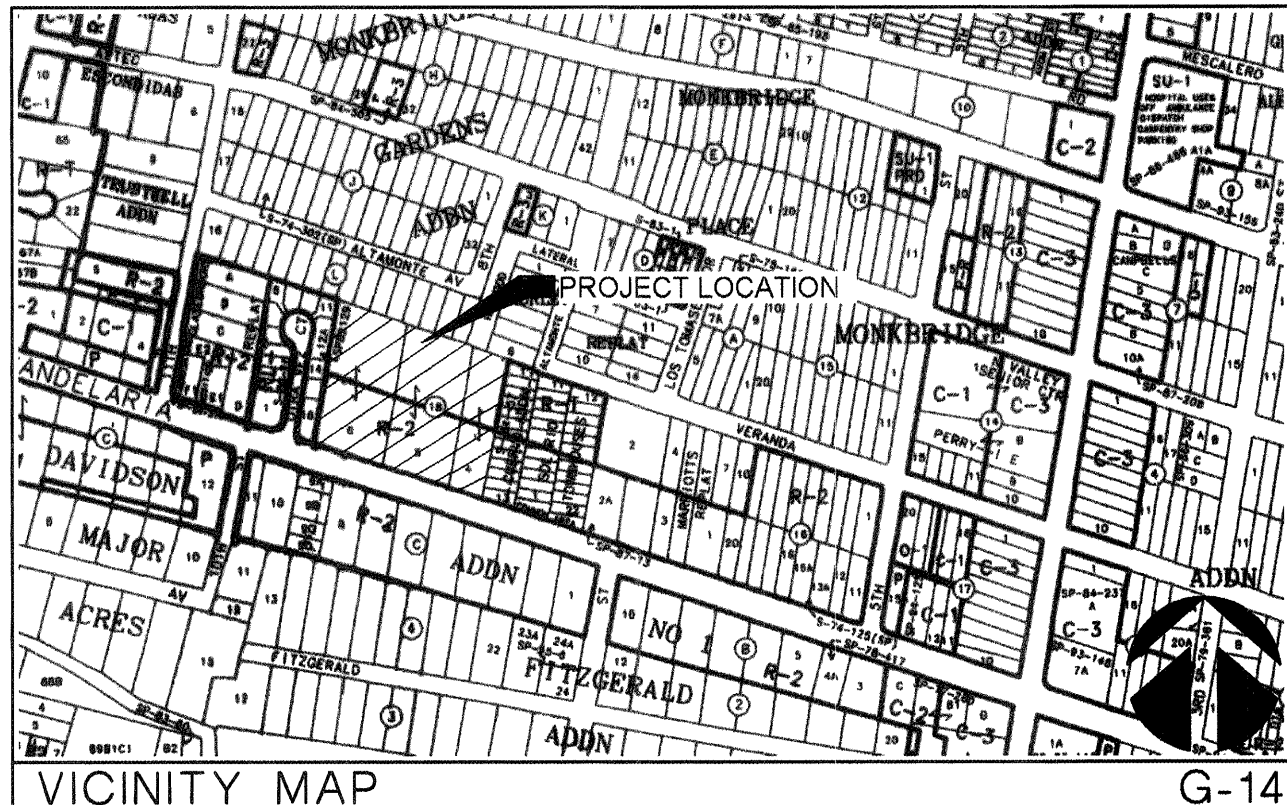
INSTALL 24" WIDE
SIDEWALK CULVERT
PER COA STD DWG
SD2236.

ACS 6-G13-AR
X = 375498.0200
Y = 1500656.5400
ELEV = 4966.730

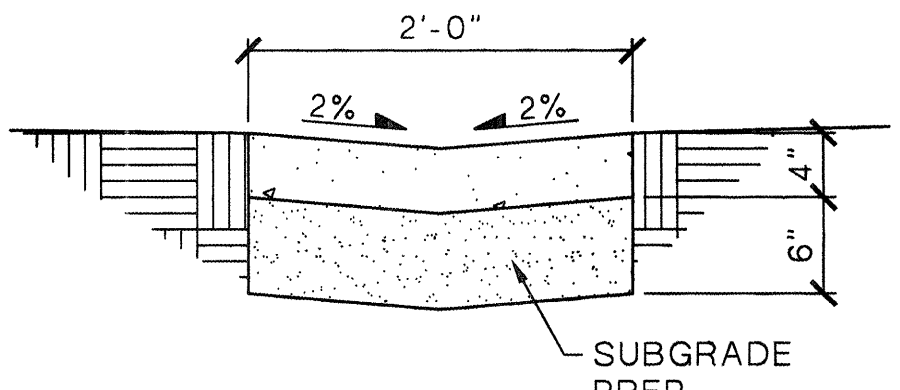
- Legend**
- EXISTING CONTOUR
 - - - SWALE
 - (68.50) PROPOSED SPOT ELEVATION
 - (67.14) EXISTING SPOT ELEVATION
 - GRAVEL BASECOURSE
SEE PLAT FOR EASEMENT

GRADING PLAN

SCALE: 1" = 30'-0"

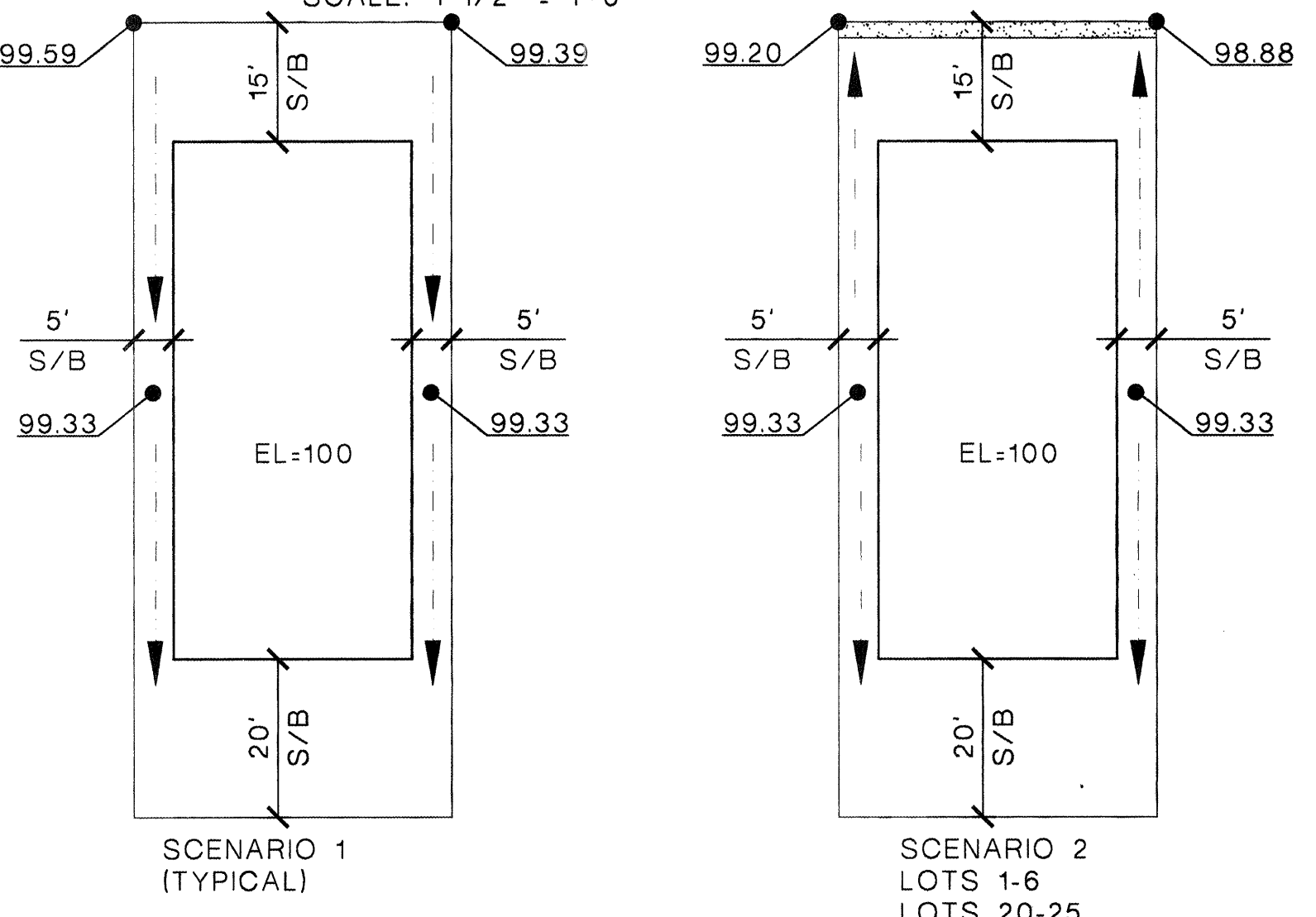


Los Candelarias Subdivision				
Hydrology Calculations				
Date: January 9, 2003				
DPM - Section 22.2				
Volume 2, January 1993				
Precipitation Zone	2			
100 Year Storm Depth, P (360)	2.35			
Treatment Area	A	B	C	D
Excess Precipitation Factors	0.53	0.78	1.13	2.12
Peak Discharge Factors	1.56	2.28	3.14	4.7
Land Treatment Area	Acres	Existing	Proposed	
Type "D" (Roof)		0	2.7089	
Type "C" (Unpaved Roadway)		0	0.9183	
Type "B" (Irrigated Lawns)		0	0.9642	
Type "A" (Undeveloped)		4.5914	0	
Total (Acres)		4.5914	4.5914	
Excess Precipita(in)		0.53	1.64	
Volume (100), cf		8833.39	27343.42	
Volume (10), cf		5918.37	18320.09	
Q (100), cfs		7.16	17.81	
Q (10), cfs		4.80	11.94	



CONCRETE VALLEY GUTTER

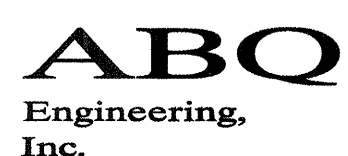
SCALE: 1 1/2" = 1'-0"



TYPICAL LOT LAYOUT

NO SCALE

ADDITIONAL AS-BUILT INFO.
ADDED 10-14-2003. SEE
REVISION NOTATION ON
FRONT PAGE CERTIFICATION.



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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TITLE: LOS CANDELARIAS SUBDIVISION
GRADING PLAN

Design Review Committee City Engineer Approval

FOR INFORMATION ONLY

City Project No.
709581

Zone Map No.
G-14

SHEET 4 OF 16

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	WORK	STATION MARK	IS A STANDARD ACS ALUMINUM CAP	FIELD NOTES	DATE	NO.	BY
STANDARD BY AS BUILT DATA	DATE	STAMPED "G-13A RESET 1980/1995" SET FLUSH WITH THE TOP OF CURB. THE STATION IS LOCATED 2.9 MILES NORTH OF DOWNTOWN ALBUQUERQUE, EAST OF THE INTERSECTION OF RIO GRANDE AND CANDELARIA BLVD	DATE	NO.	BY	REMARKS	REVISIONS
INSPECTOR'S FIELD CHANGE BY	DATE	VERIFICATION BY AS BUILT DATA	DATE	NO.	BY	DESIGN	REVISIONS
CORRECTED BY	DATE	MICRO-FILM INFORMATION	DATE	NO.	BY	DESIGNED BY M. GARCIA	DATE 4/24/2003
RECORDED BY	DATE	ELEV = 4966.73 (NGVD 1929)		NO.	BY	DRAWN BY F. PHILLIPS	DATE 4/24/2003
				NO.	BY	CHECKED BY S. KNEE	DATE 4/24/2003

SCANNED BY
MESA REPRO

CONCRETE VALLEY
GUTTER, SEE PLAT
FOR EASEMENT

STA 0+35.39, 270.65' LT
INSTALL 24" WIDE
SIDEWALK CULVERT
PER COA STD DWG
SD2236

EXISTING
SAS MH
INV=4956.57

STA 0+39.39, 58' RT
BEGIN 2' SIDEWALK
WIDENING

EXISTING
SAS MH
INV=4957.59

271.7' FROM PROPERTY CORNER TO STATION 0+00.00

CANDELARIA
BOULEVARD
80' R.O.W.

STA 0+70.23, 2' LT
BEGIN MOUNTABLE
CURB

STA 0+73.19, END OF MOUNTABLE
CURB BEGIN STANDARD CURB

STA 0+35.39, 228.38' RT
INSTALL 24" WIDE
SIDEWALK CULVERT
PER COA STD DWG
SD2236

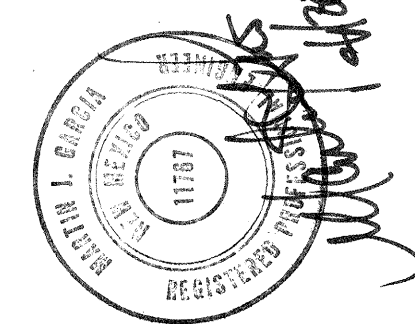
NO AS-BUILT DATA
ON THIS SHEET

MASTER PAVING PLAN

SCALE: 1" = 30'

Legend

- MOUNTABLE CURB AND GUTTER
PER C.O.A. STD DWG. 2415.
- GRAVELED PRIVATE ACCESS
EASEMENT
- NEW 4" SIDEWALK PER C.O.A.
STD. DWG 2430 BUILD WITH
PROJECT (DEFERRED)
- ASPHALT DRIVE
- CROWN FLATTENING PER C.O.A.
STD. DWG 2401.
- LIMITS OF WORK AREA
- ROW
- RIGHT OF WAY
- 6" VALLEY GUTTER PER C.O.A.
STD. DWG 2420.
- WHEEL CHAIR RAMP PER C.O.A.
STD. DWG. 2441 CASE II
PERPENDICULAR TO TRAFFIC FLOW
AND/OR SIDEWALK.
*FOR WHEELCHAIR RAMP AT
CANDELARIA USE 50:1 FOR
LANDING.
*FOR MID BLOCK WHEELCHAIR
RAMP USE COA STD DWG
2440.
- UNIDIRECTION WHEEL CHAIR
RAMP PER C.O.A. STD. DWG. 2426.

AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	WORK	DATE	BY	STATION MARK IS A STANDARD ACS ALUMINUM CAP	STAMPED "8-G13A RESET 1980/1995" SET FLUSH WITH THE TOP OF CURB. THE STATION IS LOCATED 2.9 MILES NORTH OF DOWNTOWN ALBUQUERQUE, EAST OF THE INTERSECTION OF RIO GRANDE AND CANDELARIA BLVD ELEV = 4965.73 (NGVD 1929)	DATE	BY	NO.	BY	DATE	NO.				
STAMPED BY	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE				
RECORDED BY	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	REMARKS	REVISIONS	DESIGN	DATE
RECORDED BY	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DESIGNED BY M. GARCIA	DATE 4/24/2003	DRAWN BY N. GARCIA	DATE 4/24/2003
RECORDED BY	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE	CHECKED BY R. BOOTH	DATE 4/24/2003		

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Inc.

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•Construction Services
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ABQ NO. 22170

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LOS CANDELARIAS SUBDIVISION
MASTER PAVING PLAN

Design	Review	Committee	City Engineer Approval	Last Design Update	No./Day/Yr.	No./Day/Yr.

City Project No. 709581

Zone Map No. G-14

SHEET 5 OF 16

SCANNED BY
MESA REPRO



UTILITY PLAN

SCALE: 1" = 30'

General Notes

- USE TRAFFIC RATED WATER METERS FOR LOTS 1,2,3,8,9,10,11,17,18,19,25,26.

Legend

- W EXISTING WATER LINE
S EXISTING SEWER LINE
W NEW WATER LINE
S NEW SEWER LINE
NEW WATER METER
NEW WATER VALVE
EXISTING SEWER MANHOLE
NEW SEWER MANHOLE
NEW FIRE HYDRANT
LIMITS OF WORK AREA PER C.O.A. STD DWG. 2465.

SANITARY SEWER SERVICE

LOT #	STATION	LENGTH	LOT #	STATION	LENGTH
*1	0+86.68	21'	19	0+93.33	55'
*2	1+16.65	11'	20	3+39.77	19'
3	1+50.60	21'	21	2+99.39	16'
4	6+77.46	15'	22	2+83.45	15'
5	6+66.48	15'	23	2+37.02	19'
6	6+01.05	14'	*24	1+37.38	10'
7	5+90.07	19'	*25	1+17.38	27'
*8	1+32.48	51'	*26	0+87.36	56'
*9	1+02.41	28'	27	2+06.67	16'
10	0+81.86	19'	28	8+03.96	10'
11	0+46.16	16'	29	7+87.06	12'
12	5+30.80	14'	30	7+44.85	18'
13	5+14.80	15'	31	6+68.28	25'
14	4+50.80	16'	32	6+52.31	25'
15	4+34.80	16'	33	6+11.18	25'
16	3+94.80	17'	34	3+23.53	22'
*17	0+46.09	14'	35	2+82.29	14'
*18	0+63.33	30'	36	2+66.36	15'

* INSTALL SANITARY SEWER SERVICE INTO MANHOLE PER C.O.A. STANDARD DRAWING 2115.

CERTIFICATION:
I, MARTIN J. GARCIA HEREBY CERTIFY THAT
THE PLAN AS SHOWN HEREIN REPRESENTS
THE AS-BUILT CONDITIONS.

MARTIN J. GARCIA
PE #11767



ABQ
Engineering,
Inc.

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•Construction Services
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CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
TITLE: LOS CADELARIAS SUBDIVISION
MASTER UTILITY PLAN

Design Review Committee

City Engineer Approval

Last Design Update

No./Day/Yr.

No./Day/Yr.

City Project No.

709581

Zone Map No.

G-14

SHEET

OF

6

16

AS BUILT INFORMATION

CONTRACTOR

WORK

STAMPED BY

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

DATE

BENCH MARKS

STATION MARK IS A STANDARD ACS ALUMINUM CAP

STAMPED "6-G13A RESET 1980/1995" SET FLUSH WITH

THE TOP OF CURB. THE STATION IS LOCATED 2.9 MILES

NORTH OF DOWNTOWN ALBUQUERQUE, EAST OF THE

INTERSECTION OF RIO GRANDE AND CADELARIA BLVD

ELEV = 4965.73 (NGVD 1929)

MICRO-FILM INFORMATION

RECORDED BY

NO.

NO.

NO.

NO.

NO.

NO.

NO.

SURVEY INFORMATION

FIELD NOTES

DATE

DATE

DATE

DATE

DATE

DATE

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ENGINEER'S SEAL

BY

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DESIGNED BY

M. GARCIA

DATE

4/24/2003

DRAWN BY

N. GARCIA

DATE

4/24/2003

CHECKED BY

R. BOOTH

DATE

4/24/2003

DATE

DATE

DATE

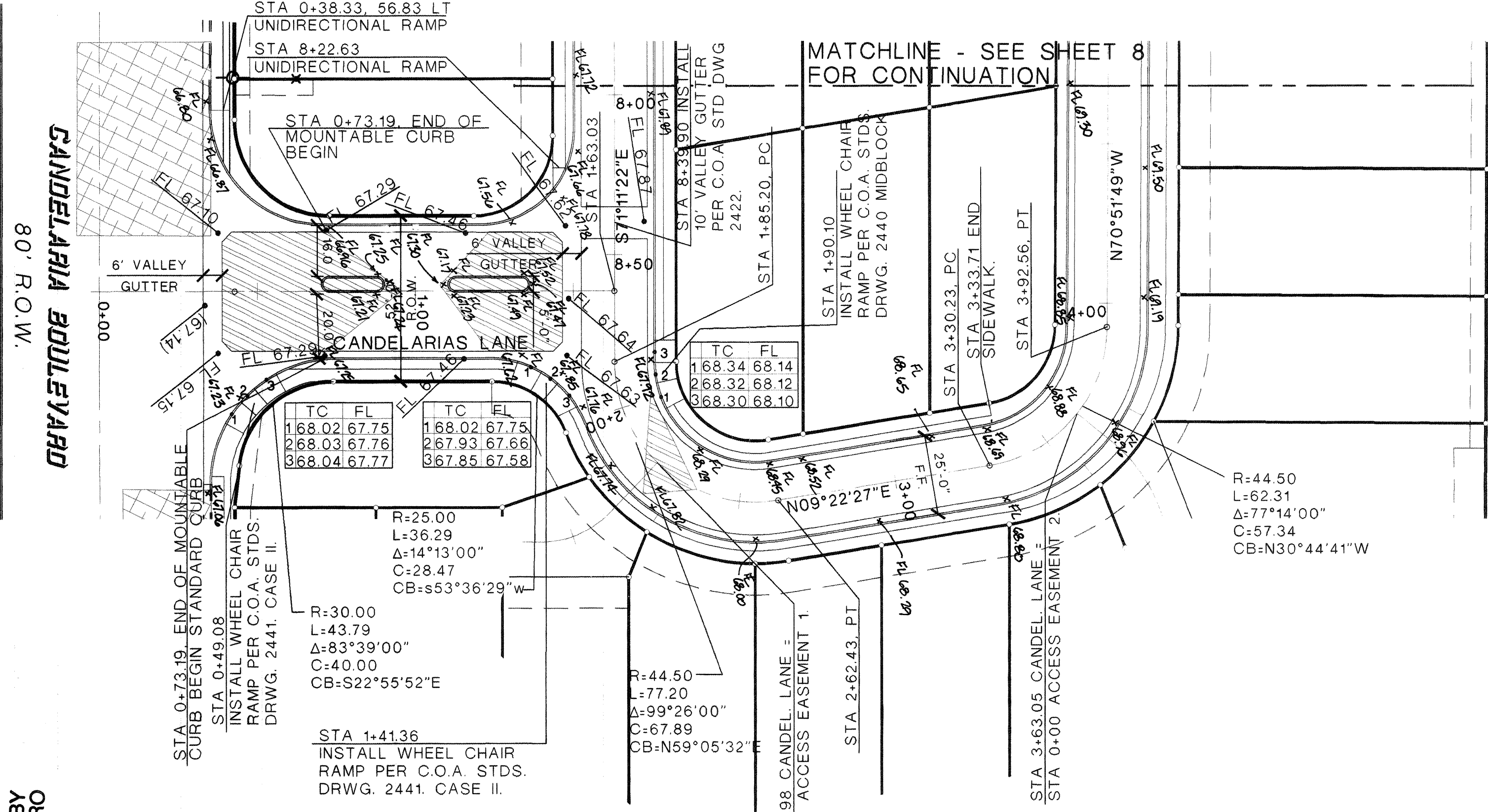
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SCALE: 1" = 30'

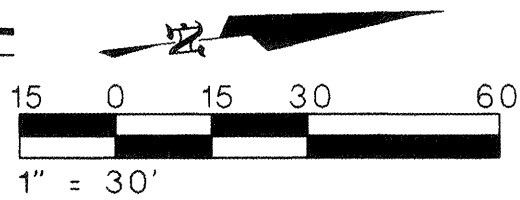
City Project No. 709581	Zone Map No. G-14	SHEET 6	OF 16
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SCANNED BY
MESA REPRO

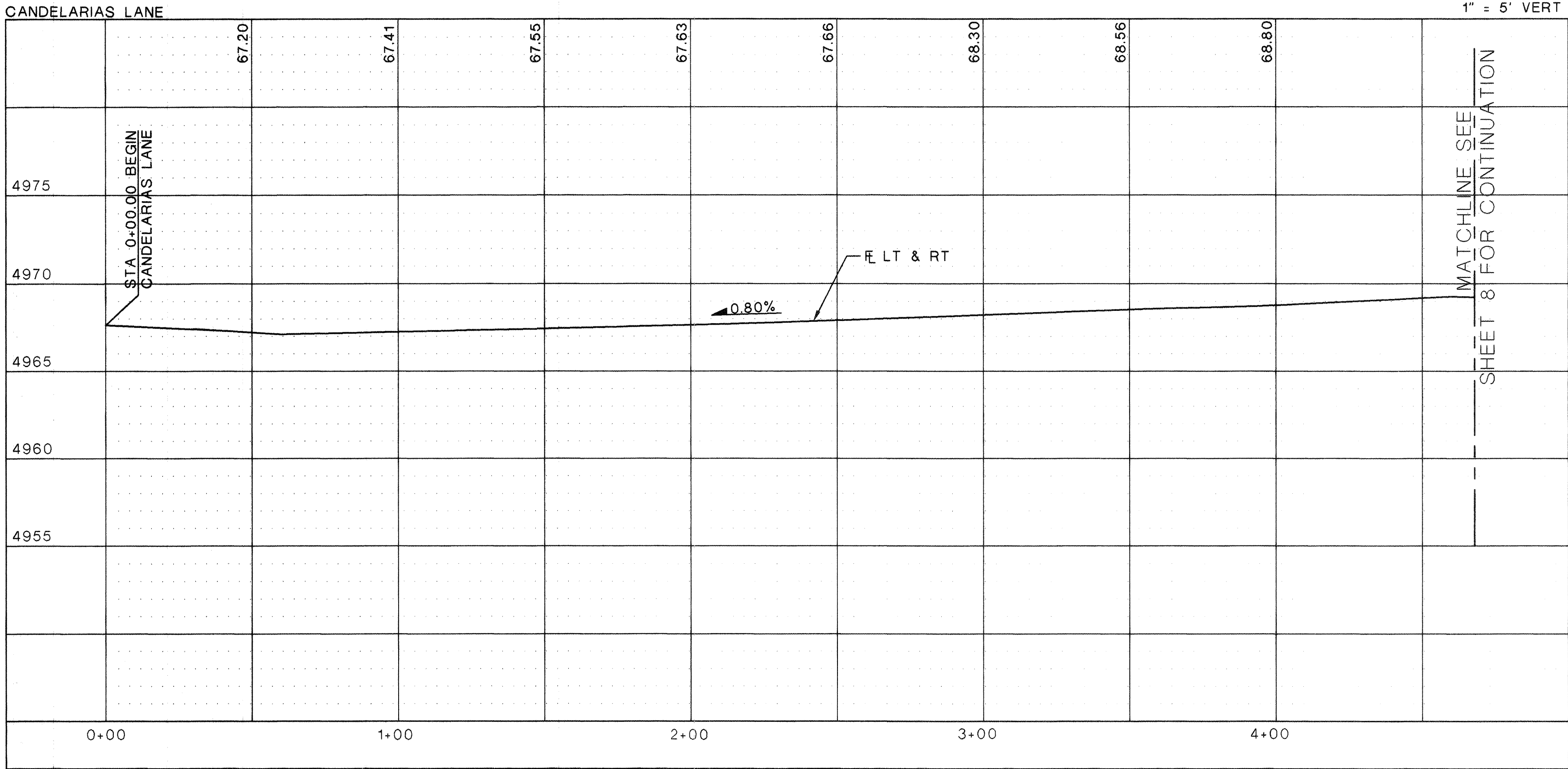


ROADWAY PLAN

SCALE: 1" = 30'



SCALE: 1" = 30' HORIZ
1" = 5' VERT



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505-255-7802 FAX 505-255-7802
ABQ NO. 22170

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: LOS CANDELARIAS SUBDIVISION
ROADWAY PLAN AND
PROFILE

Design Review Committee

City Engineer Approval

APPROVED
MAY 14 2003

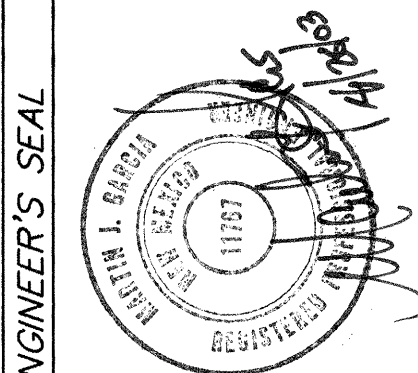
Last Design Update

No./Day/Yr.	No./Day/Yr.

City Project No.
709581

Zone Map No.
G-14

SHEET
7 OF
16



ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	M. GARCIA	DATE	4/24/2003
DRAWN BY	N. GARCIA	DATE	4/24/2003
CHECKED BY	R. BOOTH	DATE	4/24/2003

SURVEY INFORMATION

FIELD NOTES	DATE
NO.	BY

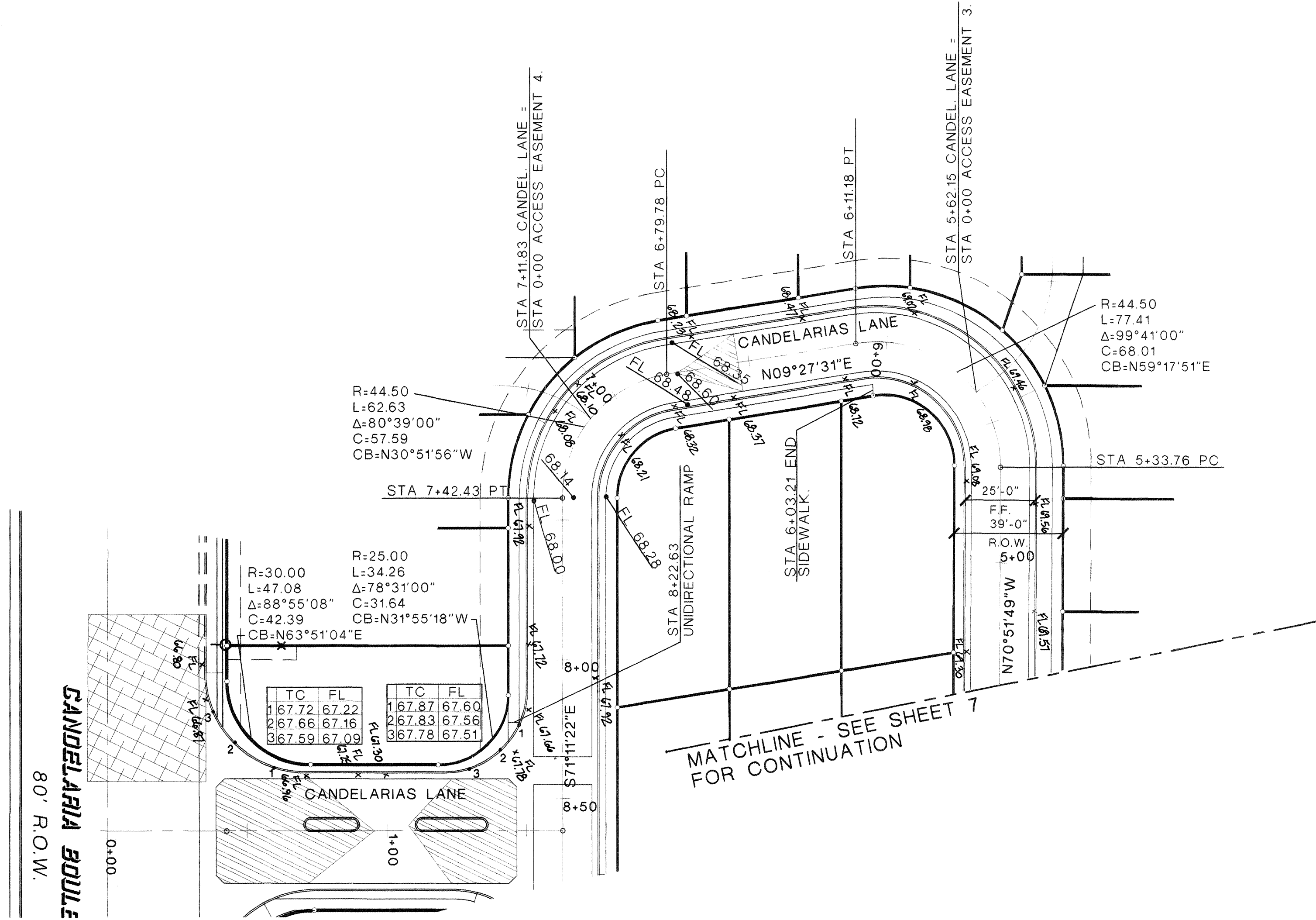
BENCH MARKS

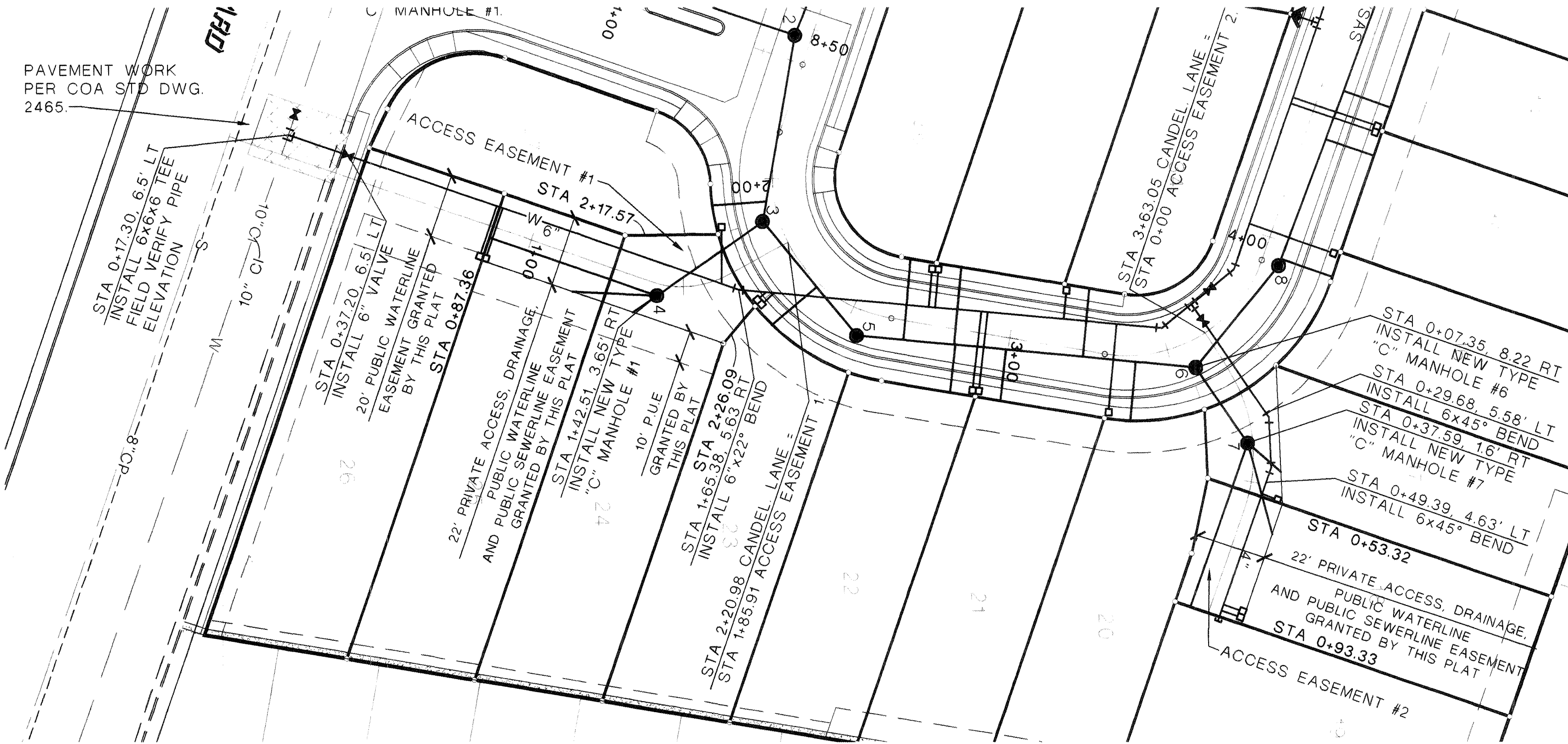
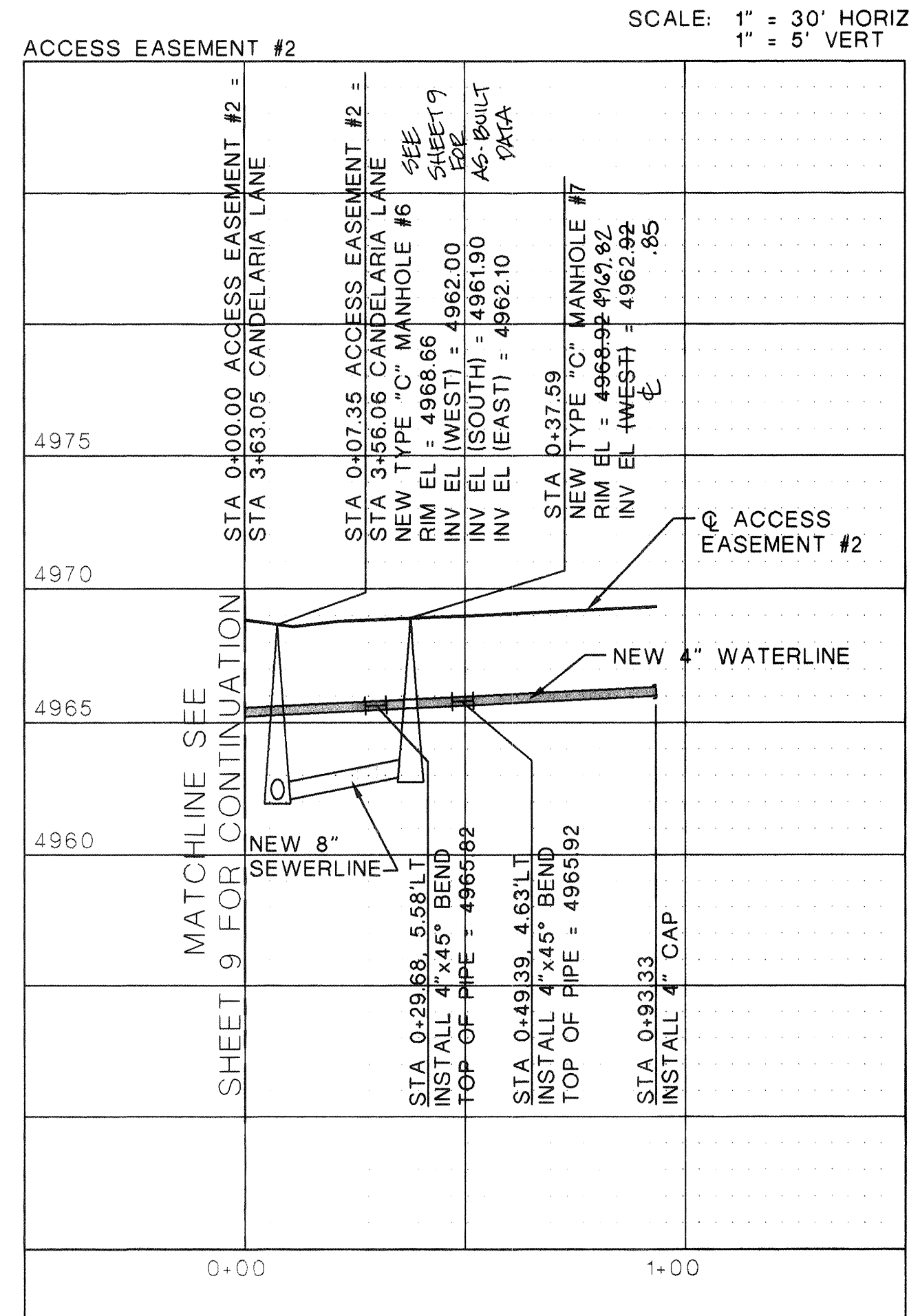
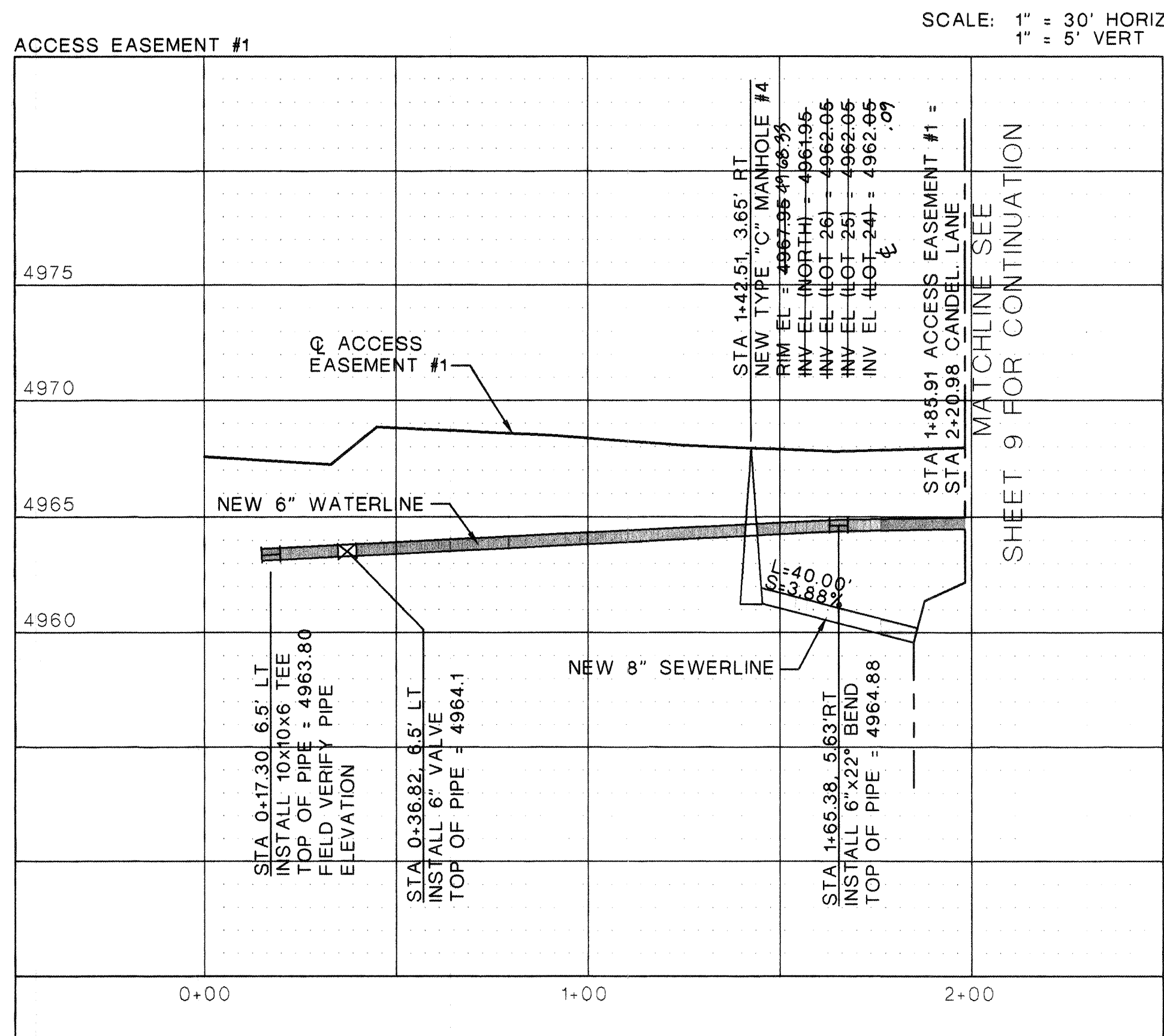
STATION MARK IS A STANDARD ACS ALUMINUM CAP STAMPED "8-G134 RESET 1980/1995" SET FLUSH WITH THE TOP OF CURB. THE STATION IS LOCATED 2.9 MILES NORTH OF DOWNTOWN ALBUQUERQUE, EAST OF THE INTERSECTION OF RIO GRANDE AND CANDELARIA BLVD ELEV = 4965.73 (NGVD 1929)

AS BUILT INFORMATION

CONTRACTOR	CCM, INC.
WORK	COMMUNITY
STAMPED BY	SEAN (CSC)
DATE	4/24/03
FIELD	ACCEPTANCE BY
DATE	8/18/03
DRAWN	BY JMG (CSC)
DATE	8/18/03
CORRECTED BY	JMG (CSC)
DATE	8/19/03
MICRO-FILM INFORMATION	
RECORDED BY	
DATE	
NO.	

SCANNED BY
MESA REPRO





ACCESS EASEMENT 1 & 2 UTILITY PLAN

SCALE: 1" = 30'

General Notes

- USE TRAFFIC RATED WATER METERS FOR LOTS 17,18,19,25,26, 1, 2, 8, 9 AFTER COA STD DWG 2349.

Legend

W	EXISTING WATER LINE
---	EXISTING SEWER LINE
W	NEW WATER LINE (TRAFFIC RATED)
S	NEW SEWER LINE
□	NEW WATER METER
✕	NEW WATER VALVE
○	EXISTING SEWER MANHOLE
●	NEW SEWER MANHOLE

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	CLM 1 INC	STATION MARK IS A STANDARD ACS ALUMINUM CAP	DATE	NO.	BY		DESIGNED BY M. GARCIA DATE 4/24/2003 DRAWN BY N. GARCIA DATE 4/24/2003 CHECKED BY R. BOOTH DATE 4/24/2003
WORK STARTED BY	COMMUNITY SERVICES (666)	STAMPED "B-G13A RESET 1980/1995" SET FLUSH WITH THE TOP OF CURB. THE STATION IS LOCATED 2.9 MILES NORTH OF DOWNTOWN ALBUQUERQUE, EAST OF THE INTERSECTION OF RIO GRANDE AND CANDELARIA BLVD. ELEV = 4965.73 (NGVD 1929)	DATE	NO.	BY		
ACCEPTANCE BY	ABQ	FIELD ACCEPTANCE BY	DATE	NO.	BY		
CORRECTED BY	ABQ	MICRO-FILM INFORMATION	DATE	NO.	BY		

ABQ
Engineering,
Inc.

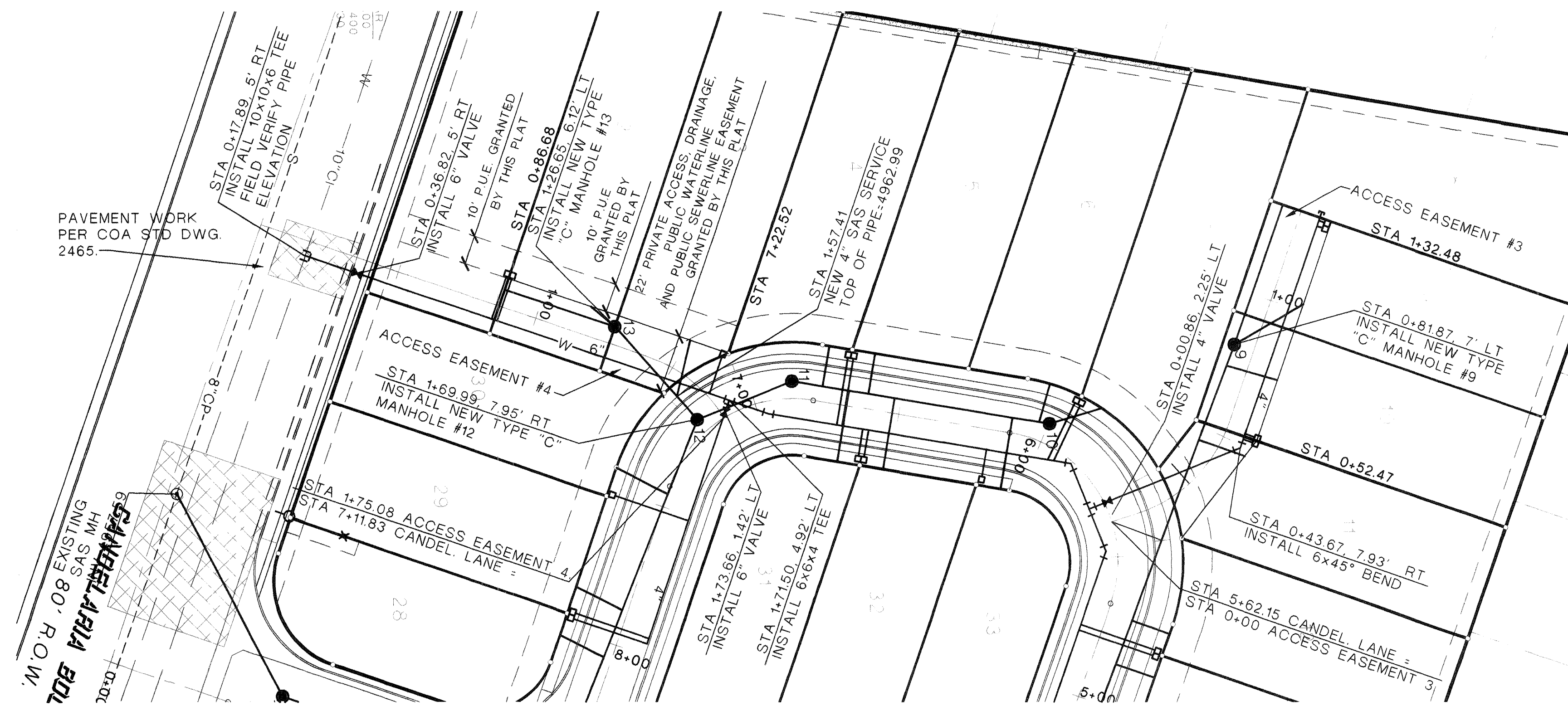
•Engineers •Planners
•Construction Services
1631 Eubank NE, Suite C,
Albuquerque, NM 87112
505-255-7802 FAX 505-255-7902
ABQ NO. 22170

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP

TITLE: LOS CANDELARIAS SUBDIVISION
ACCESS EASEMENT 1&2 PLANS
AND PROFILES

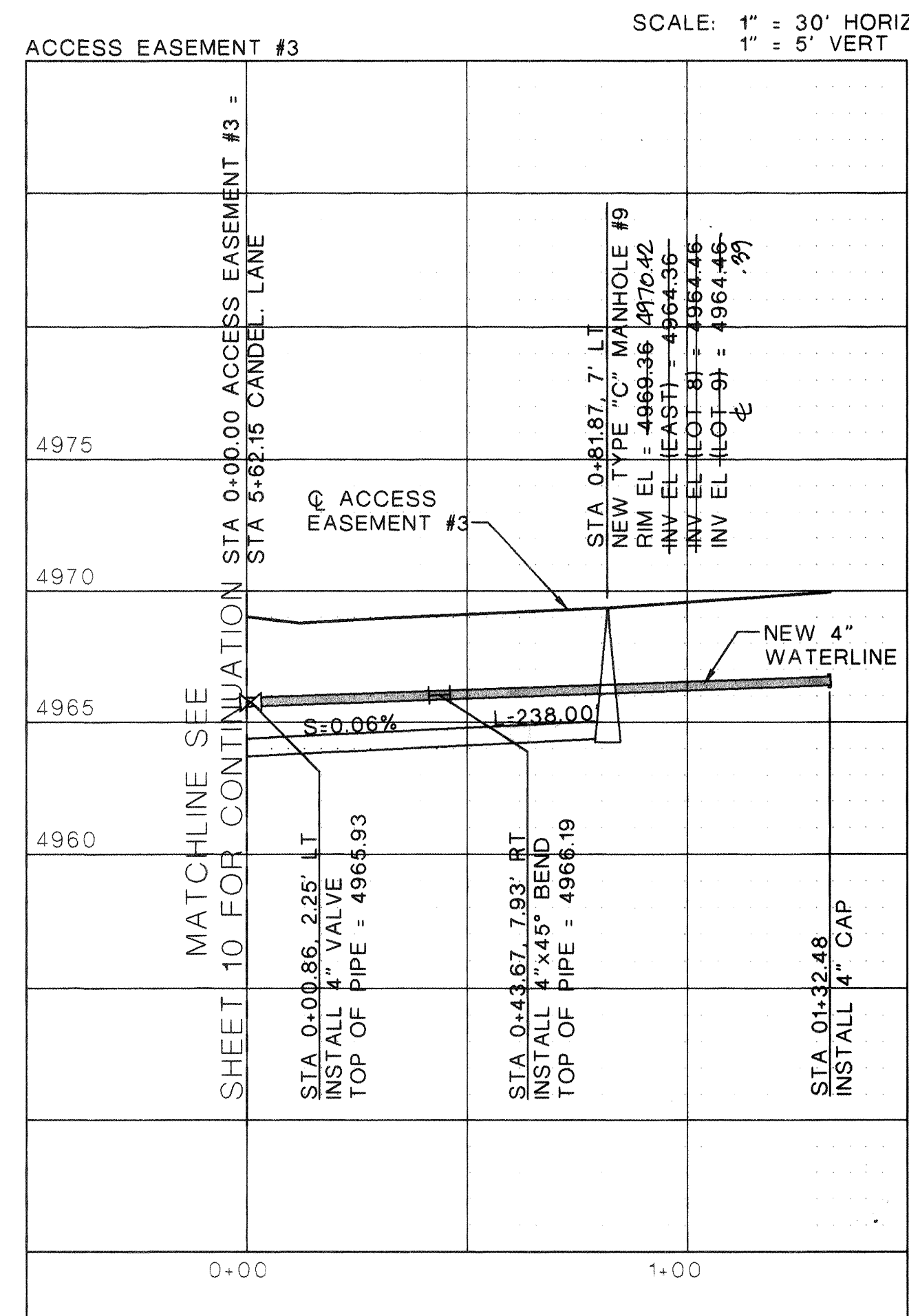
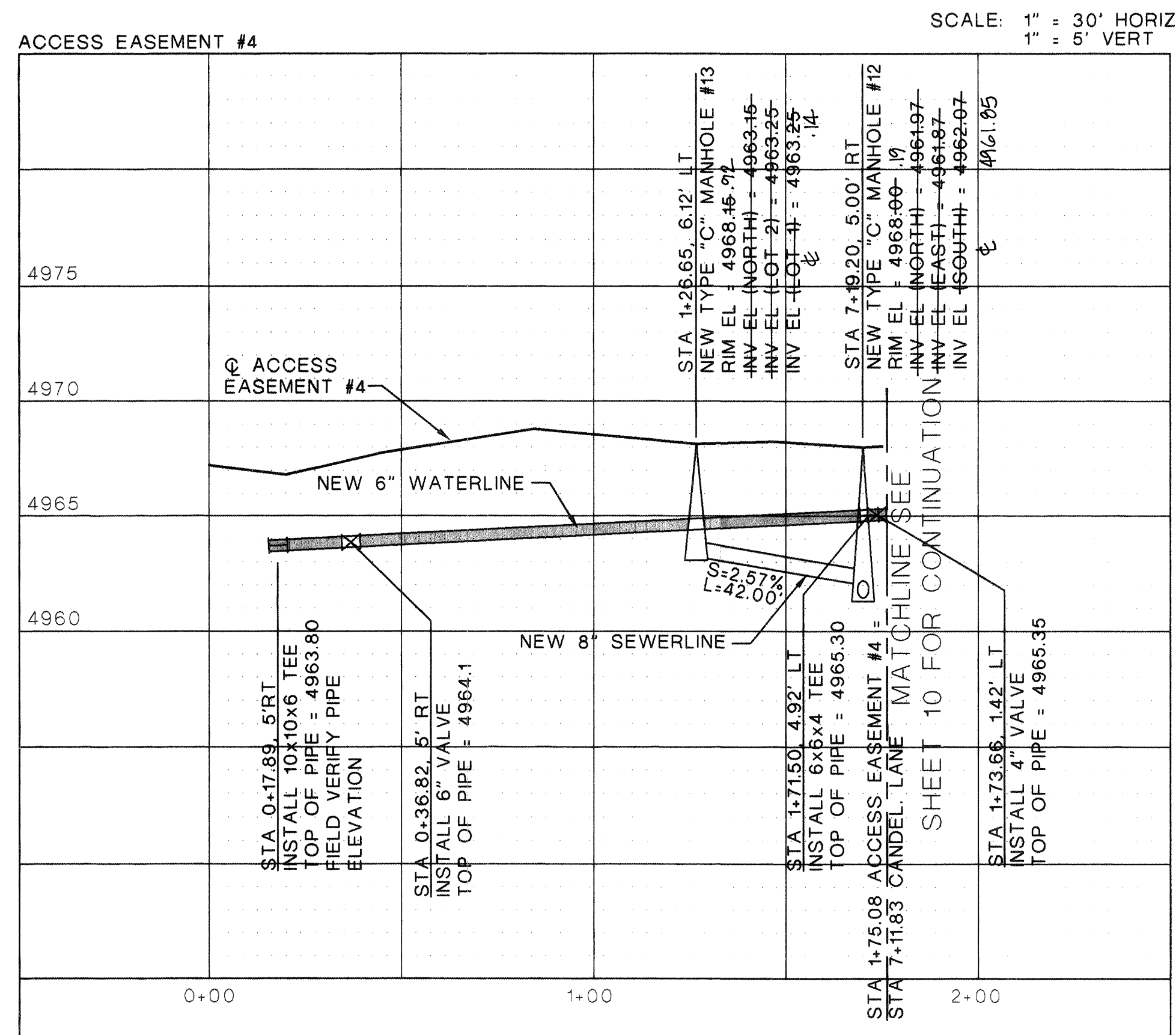
Design	Review	Committee	City Engineer Approval	Last Design Update	No./Day/Yr.	No./Day/Yr.

City Project No. 709581 Zone Map No. G-14 SHEET 11 OF 16



ACCESS EASEMENT 3 & 4 UTILITY PLAN

SCALE: 1" = 30'



General Notes

1. USE TRAFFIC RATED WATER METERS FOR LOTS
17,18,19,25,26, 1,2,8,9, PER CA STD DWG Z369.
10/11

Legend

W	EXISTING WATER LINE
-----S-----	EXISTING SEWER LINE
—————W—————	NEW WATER LINE
—————S—————	NEW SEWER LINE
—□—	NEW WATER METER (TRAFFIC RATED)
✂	NEW WATER VALVE
⊙	EXISTING SEWER MANHOLE
●	NEW SEWER MANHOLE

SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES		STATION MARK IS A STANDARD ACS ALUMINUM CAP STAMPED "6-G13A RESET 1980/1995" SET FLUSH WITH THE TOP OF CURB. THE STATION IS LOCATED 2.9 MILES NORTH OF DOWNTOWN ALBUQUERQUE, EAST OF THE INTERSECTION OF RIO GRANDE AND CANDELARIA BLVD. ELEV = 4965.73 (NGVD 1929)	CONTRACTOR	DATE	DATE
	BY	DATE				
				CONTRACTOR CCM, INC	DATE 12/03/03	DATE 12/03/03
				INSPECTOR'S ACCEPTANCE BY J.D.G. (CSC)	DATE 12/03/03	DATE 12/03/03
				VERIFICATION BY J.D.G. (CSC)	DATE 12/03/03	DATE 12/03/03
				DRAWINGS CORRECTED BY TNP (CSC)	DATE 12/03/03	DATE 12/03/03
				MICRO-FILM INFORMATION		
				RECORDED BY	DATE	
				NO.		

[illegible]

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ABQ NO. 22170

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

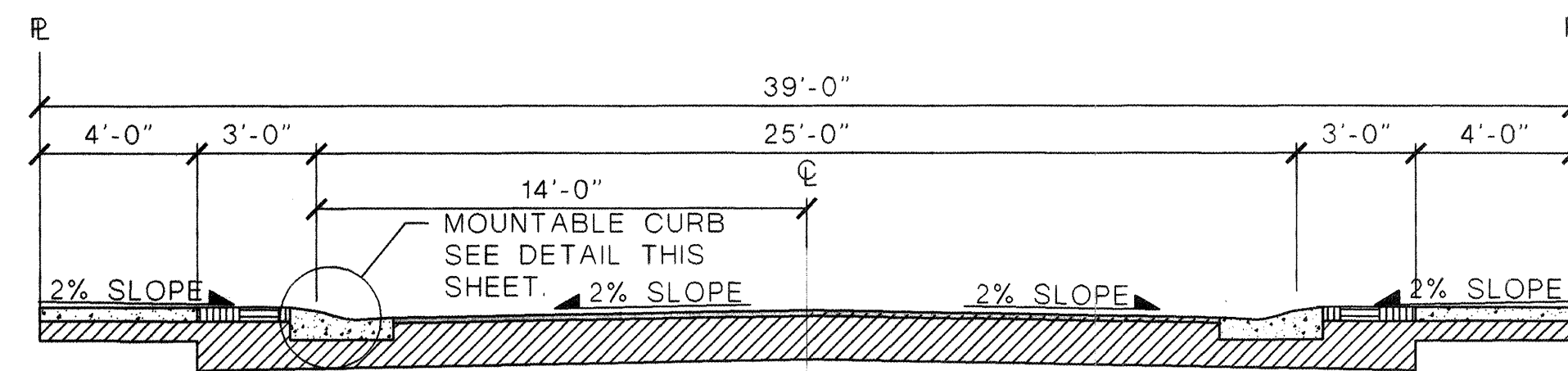
TITLE:	LOS CANDELARIAS SUBDIVISION ACCESS EASEMENT 3&4 PLANS AND PROFILES
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City Project No. 709581

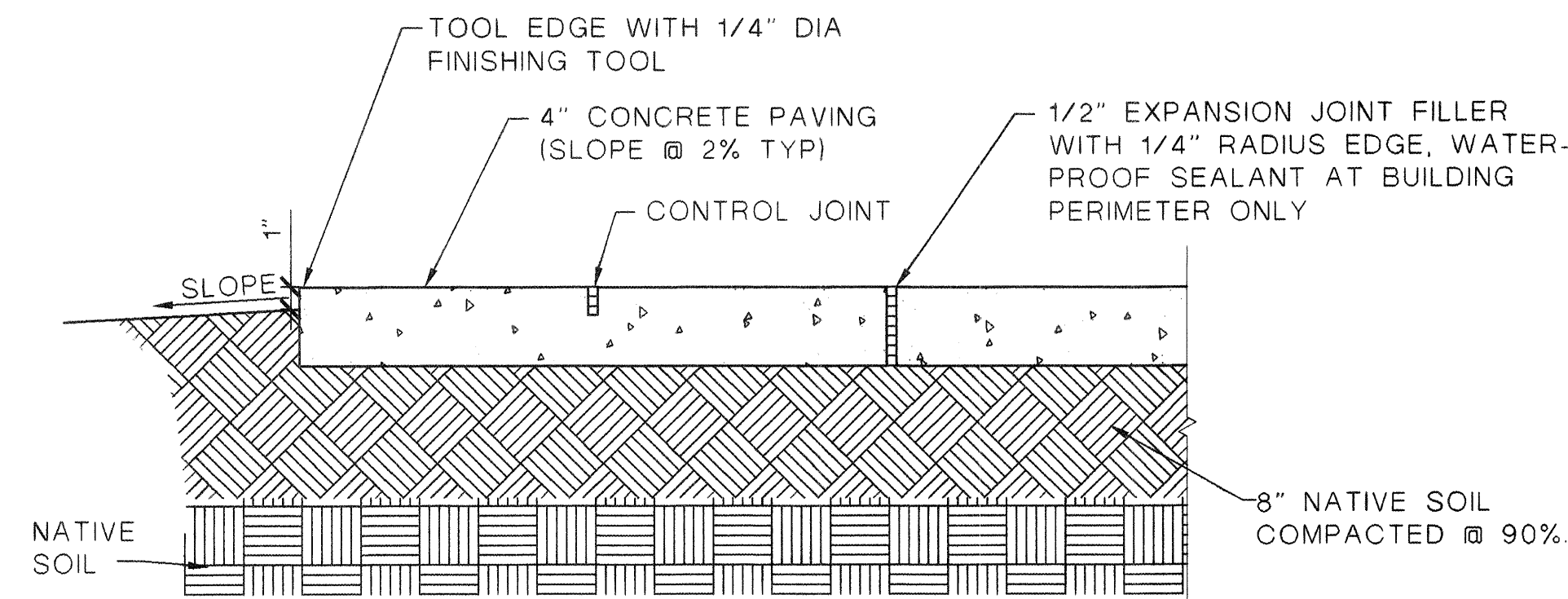
Zone Map No.
G-14

SHEET	OF
12	16



TYPICAL ROADWAY SECTION
STATION 1+52.59 TO 8+60.61

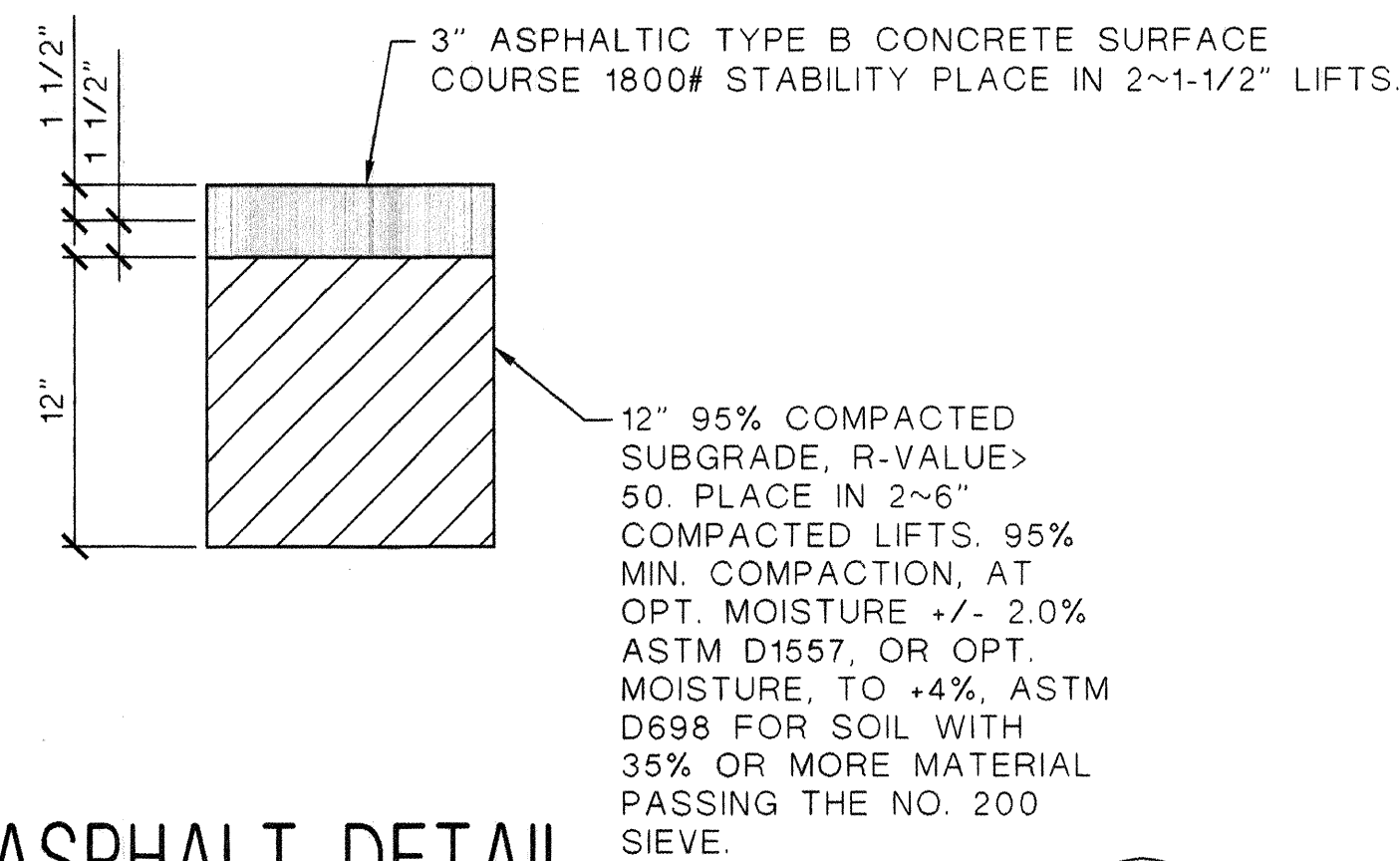
SCALE: 1/4" = 1'-0"



NOTE: PROVIDE TRANSVERSE CONTROL JOINTS AT INTERVALS NOT EXCEEDING 6'-0" ON CENTER, PROVIDE CENTERLINE CONTROL JOINTS IN SIDEWALK WIDER THAN 8'-0". SPACING OF CENTERLINE CONTROL JOINTS SHALL NOT EXCEED 6'-0" OR AS SHOWN ON PLANS. PROVIDE EXPANSION JOINTS AT INTERVALS NOT EXCEEDING 20'-0" ON CENTER WHERE WALK DOES NOT ABUT CURB.

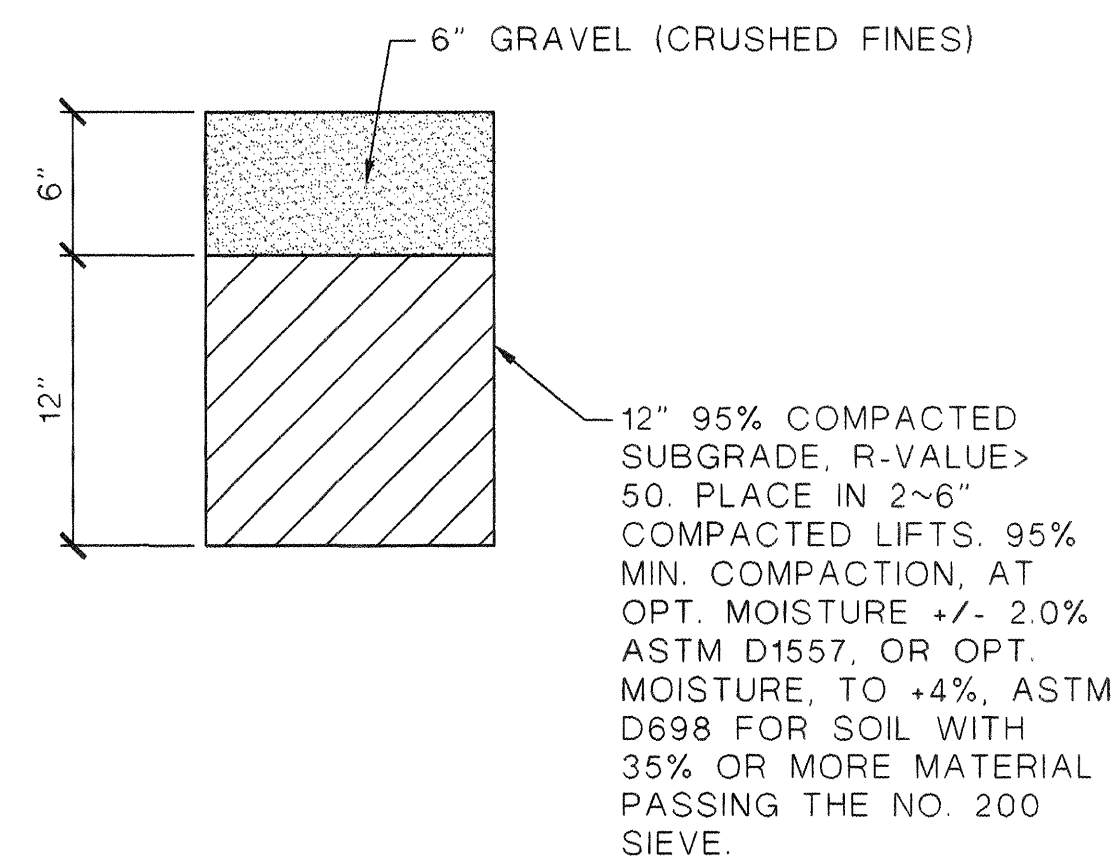
SIDEWALK DETAIL

SCALE: 1 1/2" = 1'-0"



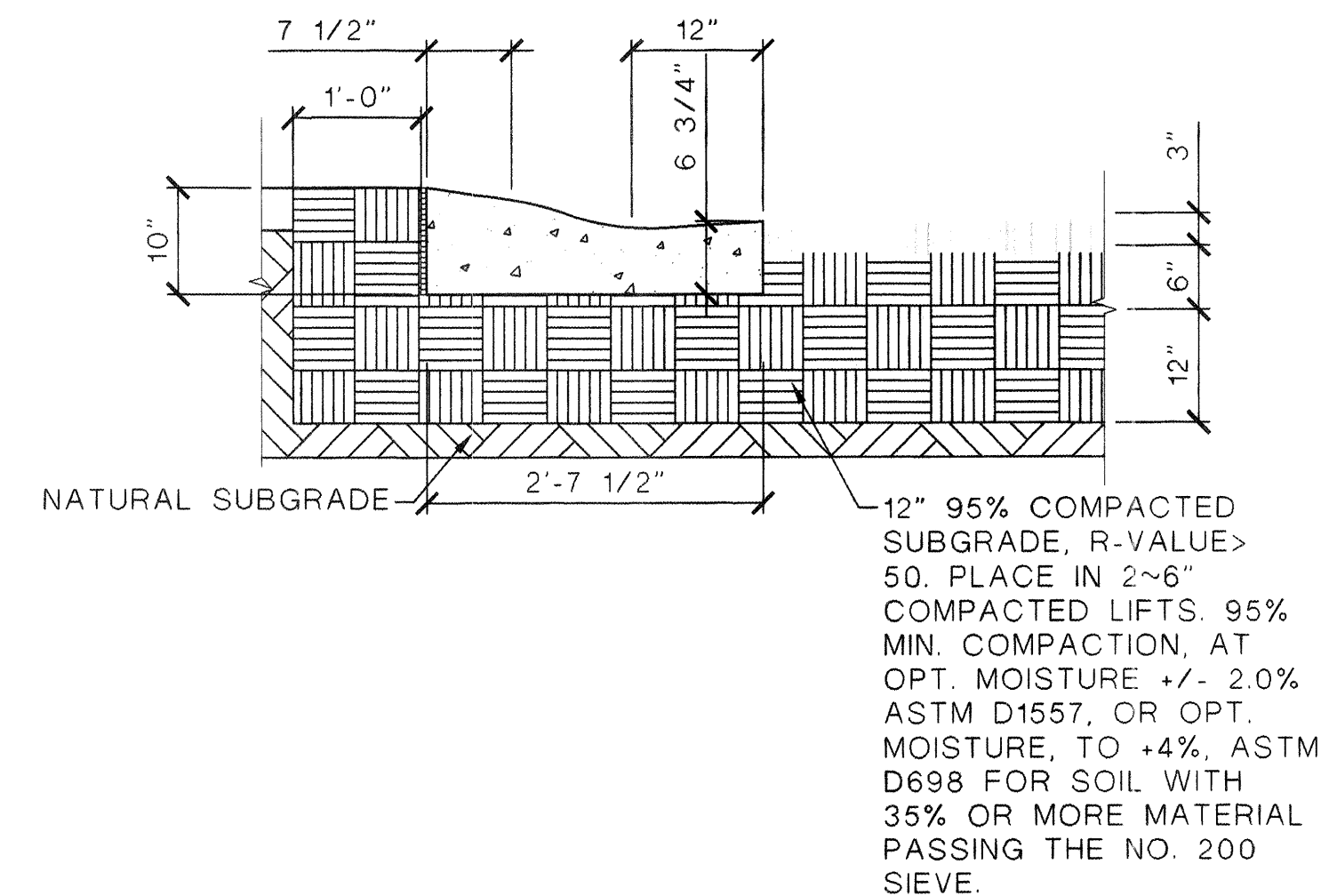
ASPHALT DETAIL

SCALE: 1/2" = 1'-0"



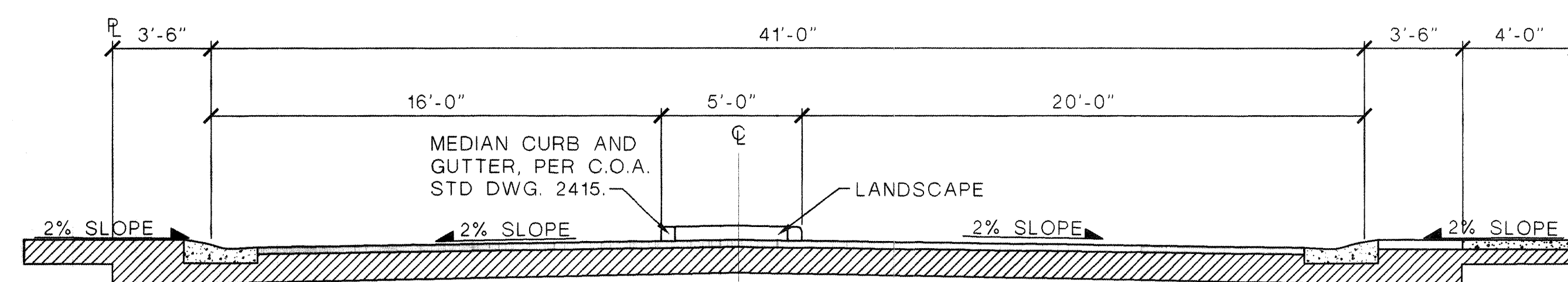
ACCESS EASEMENT DETAIL

SCALE: 1/2" = 1'-0"



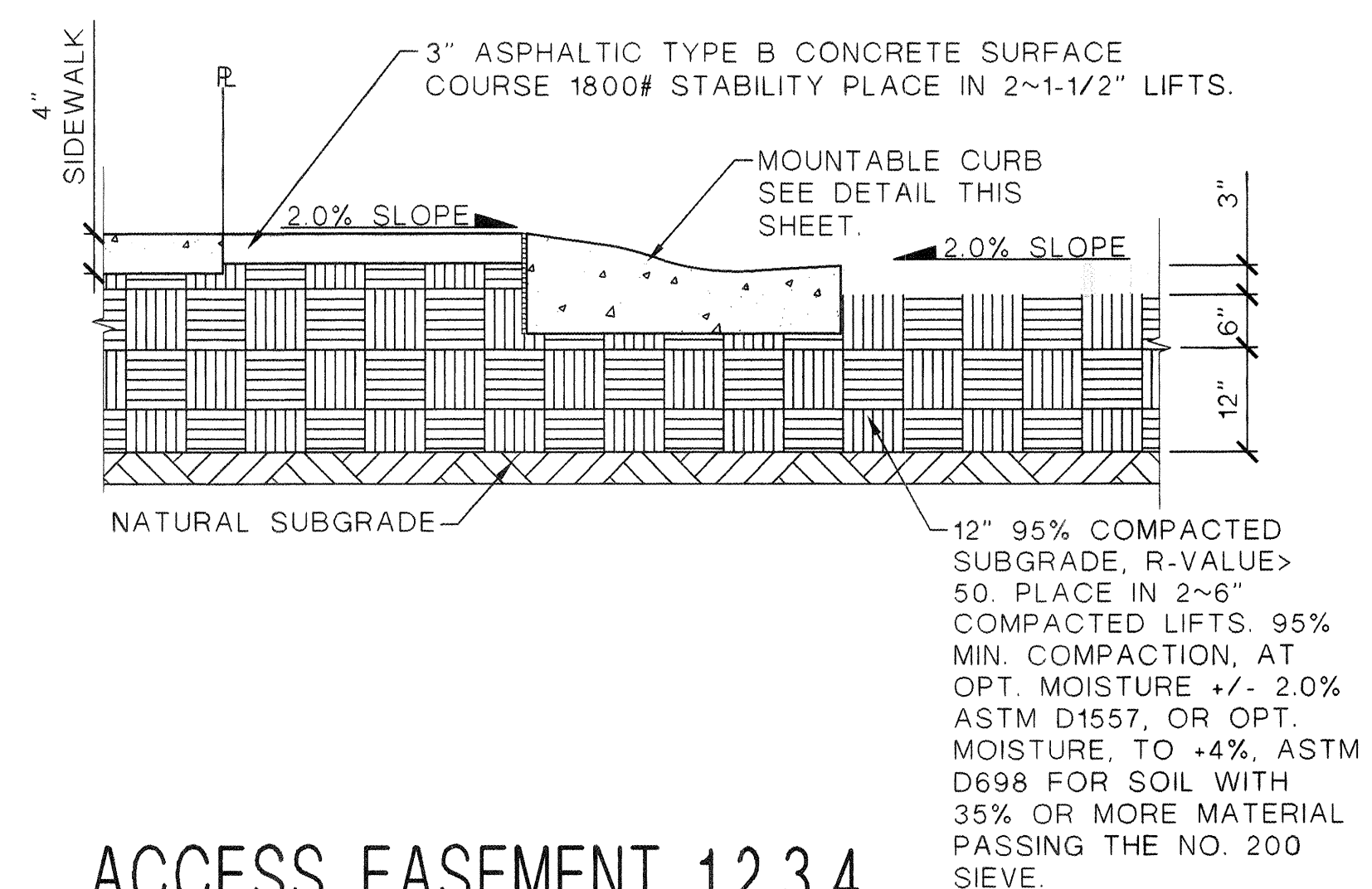
MOUNTABLE CURB - ROLL TYPE

SCALE: 3/4" = 1'-0"



TYPICAL ROADWAY SECTION @ ENTRANCE
STATION 0+32.83 TO 1+52.59

SCALE: 1/4" = 1'-0"



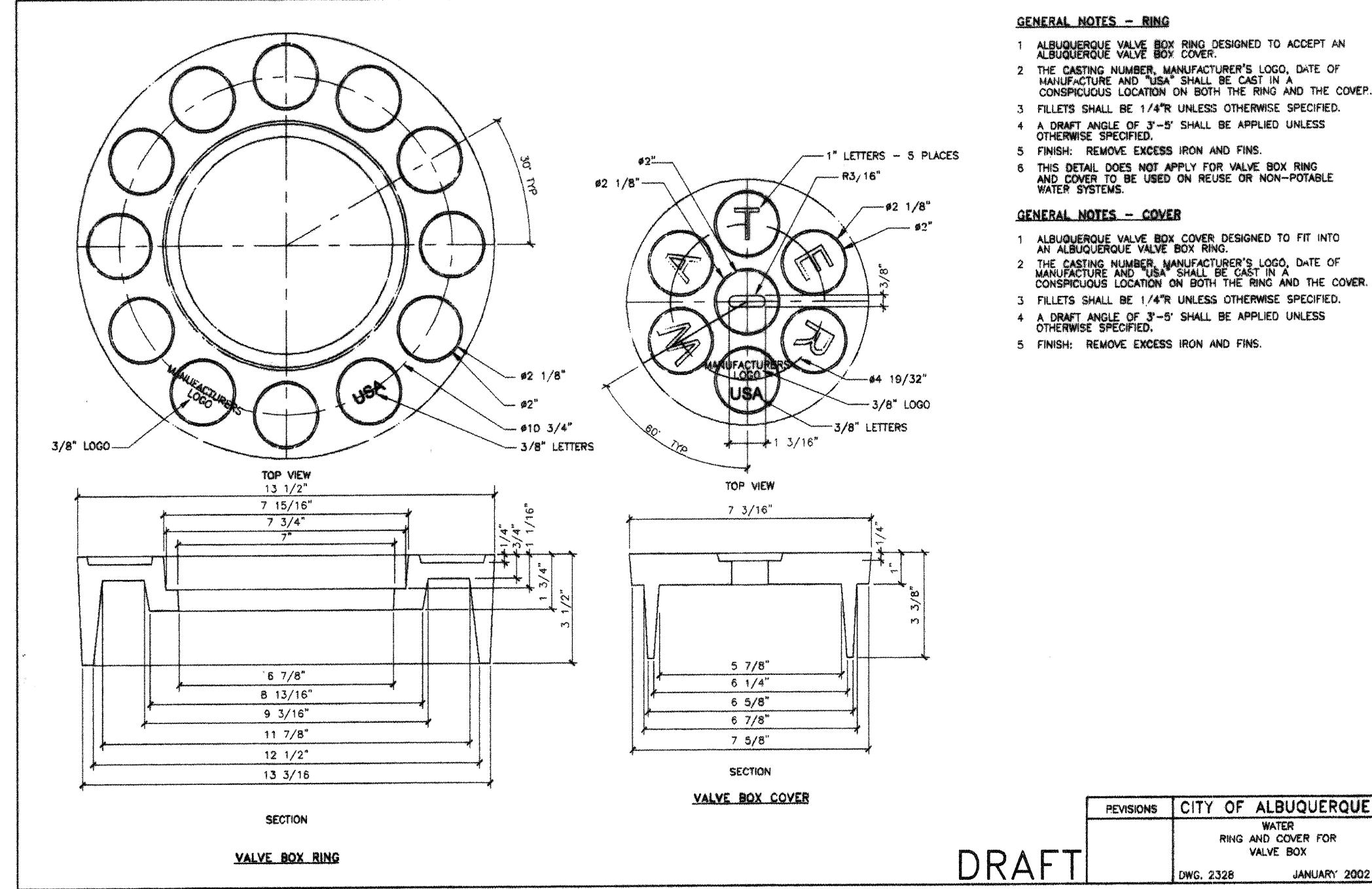
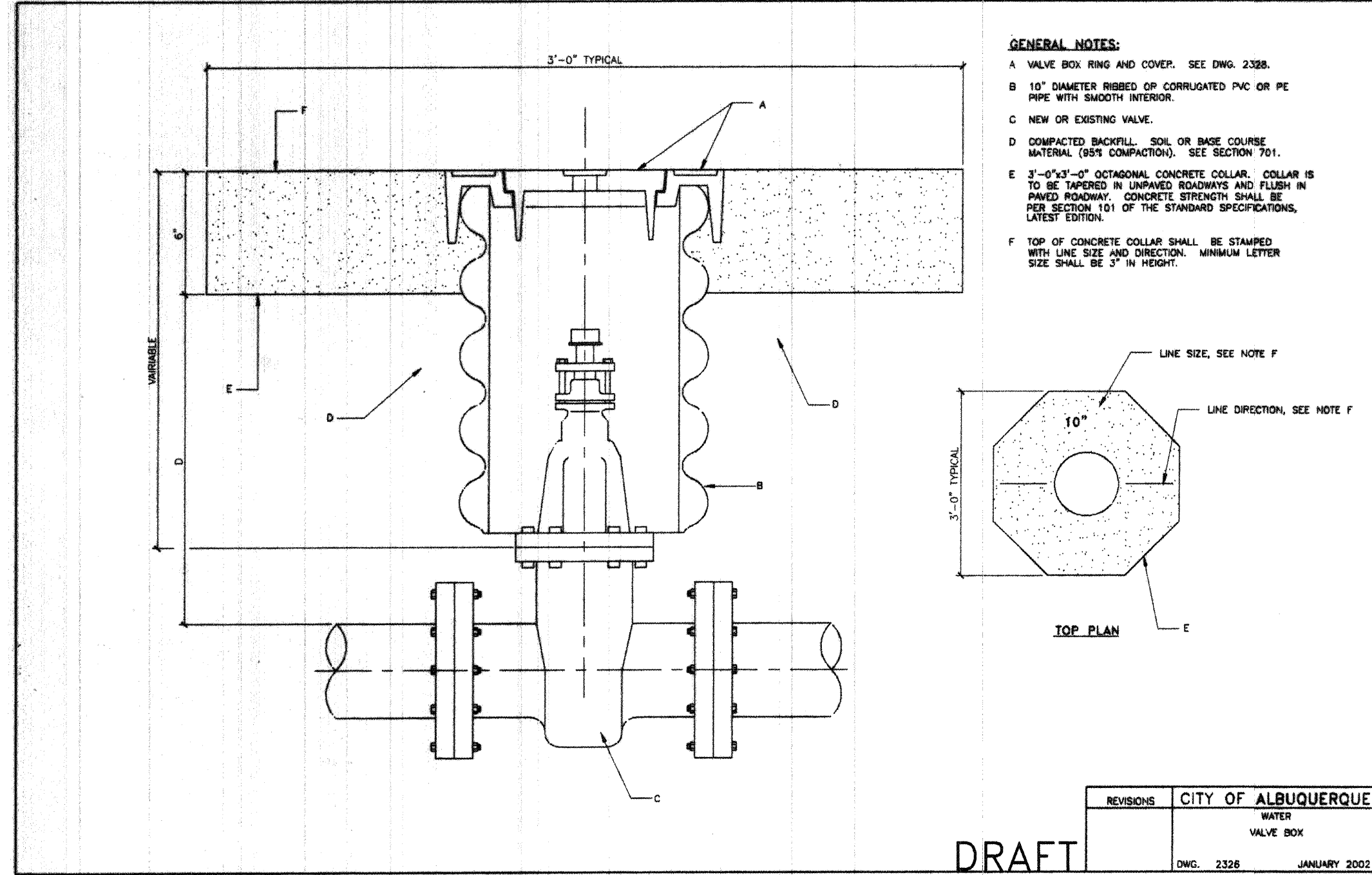
ACCESS EASEMENT 1,2,3,4
ASPHALT DRIVE DETAIL

SCALE: 3/4" = 1'-0"

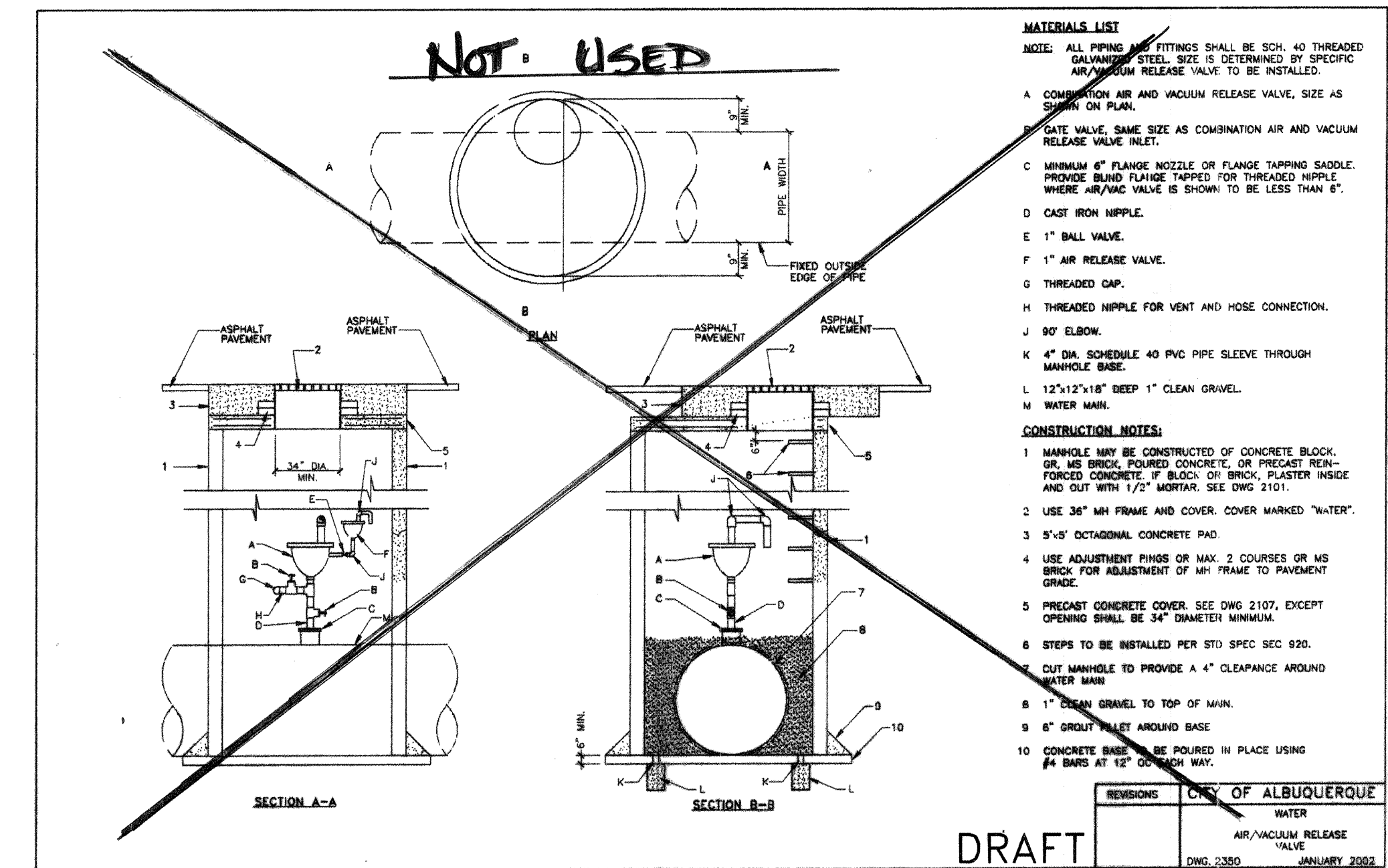
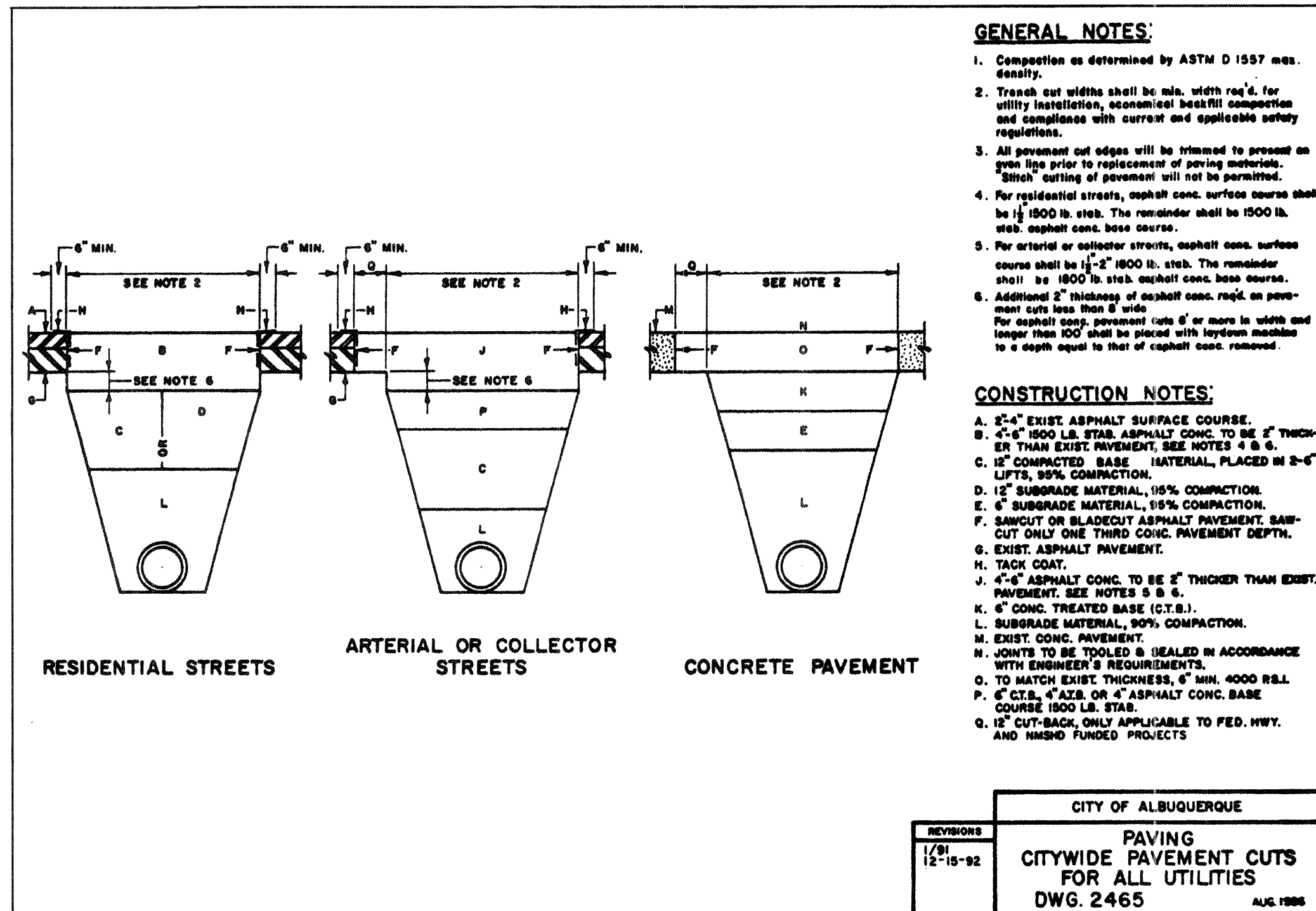
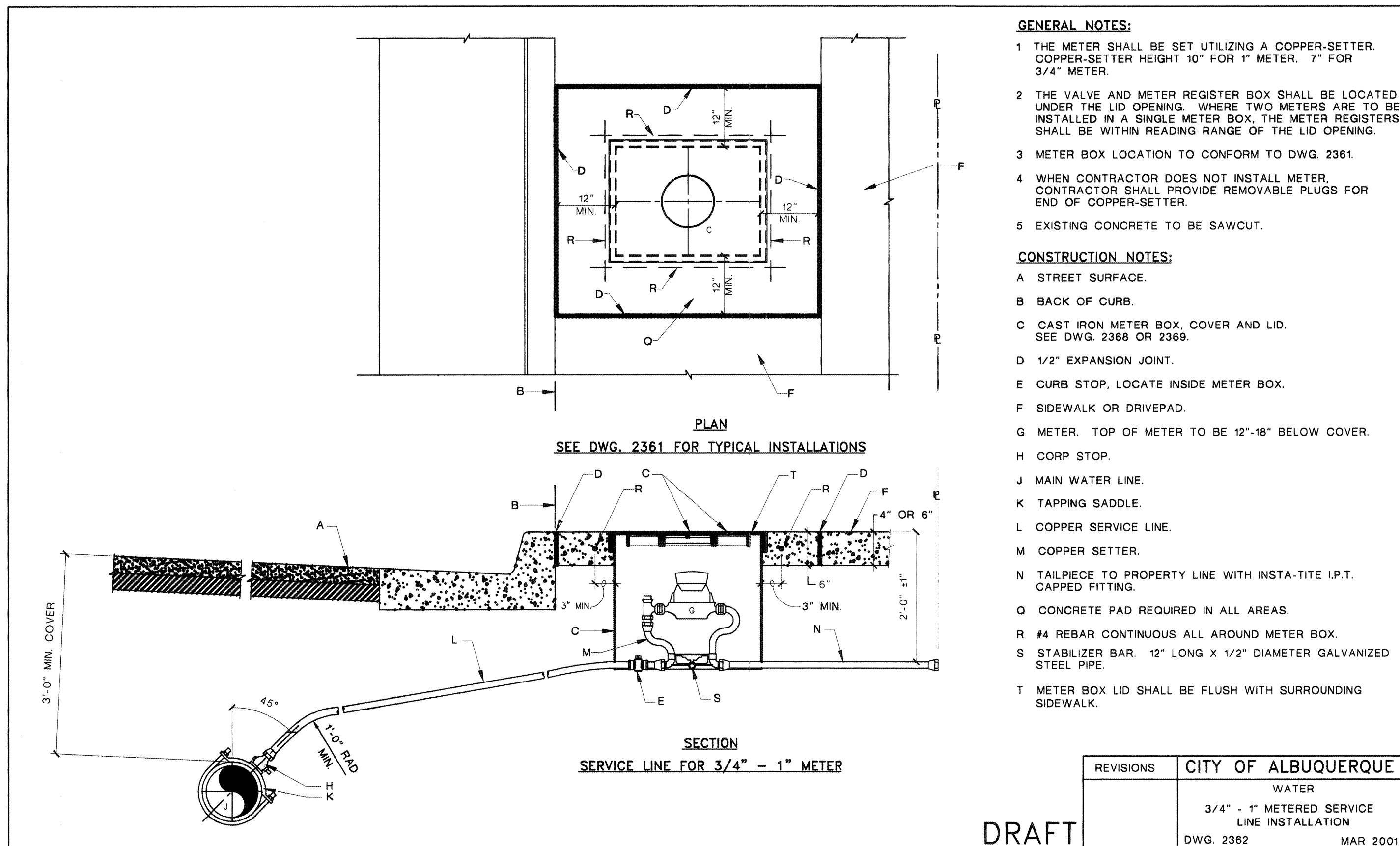
[illegible]

ABQ Engineering, Inc.	•Engineers •Planners						NO. DATE	DESIGNED BY M		
	•Construction Services								DRAWN BY F	
	1631 Eubank NE, Suite C, Albuquerque, NM 87112									CHECKED BY M
	505-255-7802 FAX 505-255-7902									
	ABQ No. 22170									
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP										
TITLE: LOS CADELARIAS SUBDIVISION TYPICAL SECTIONS AND DETAILS										
Design Review Committee		City Engineer Approval		Last Design Update		No./Day/Yr.		No./Day/Yr.		
City Project No. 709581		Zone Map No. G-14		SHEET 13		OF 16				

SCANNED BY
MESA REPRO



NO AS-BUILT DATA
ON THIS SHEET

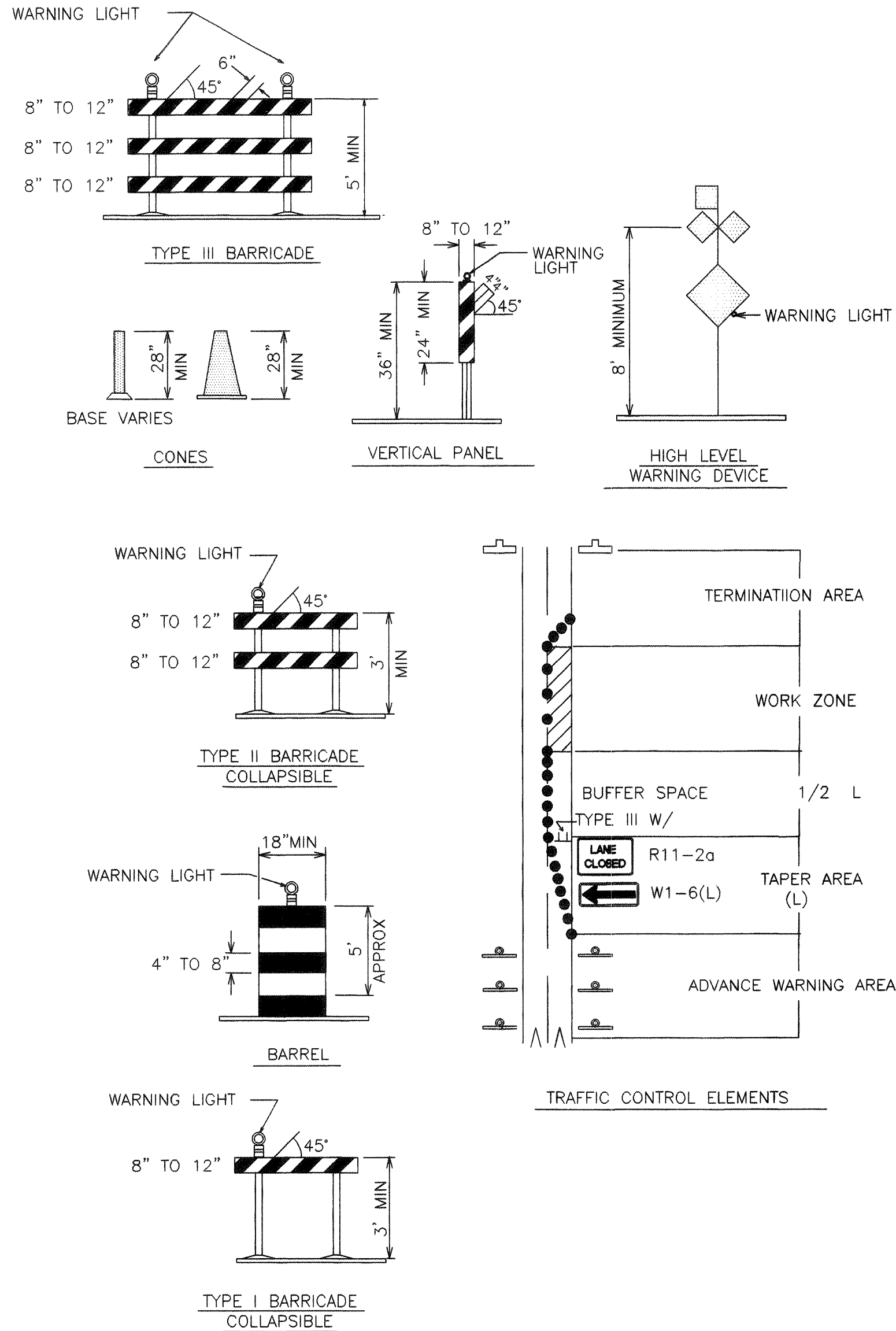


ABQ Engineering, Inc.		•Engineers •Planners •Construction Services 1631 Eubank NE, Suite C, Albuquerque, NM 87112 505-265-7802 FAX 505-265-7808 ABQ NO. 22170	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: LOS CANERLARIAS SUBDIVISION C.O.A. STANDARD DETAILS			
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.
FOR INFORMATION ONLY C.O.A. STANDARDS	FOR INFORMATION ONLY C.O.A. STANDARDS		
City Project No.	Zone Map No.	SHEET	OF
709581	G-14	14	16

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 ACCESSSES. 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 ACCESSSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.
6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.
10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.
11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.
13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
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.
28. ONE LANE IN EACH DIRECTION MUST BE MAINTAINED OPEN TO TRAFFIC ON CANDELARIA BLVD. AT ALL TIMES.
29. CONTRACTOR SHALL WORK MINIMUM HOURS FROM DAWN TO DUSK, MONDAY THROUGH SATURDAY, WHEN LANES ARE CLOSED ON CANDELARIA BLVD.



LEGEND

WORK AREA

BARRICADE - TYPE I, TYPE II, OR BARREL

BARRICADE - TYPE III

VERTICAL PANEL

WARNING SIGN

DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET

FLAGMAN POSITION

SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE STREET LIMIT OF THE STREET

TAPER LENGTH - SEE CHART BELOW

THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

NO AS-BUILT DATA ON THIS SHEET

TAPER REQUIREMENT

SPEED LIMIT (MPH)	TAPER LENGTH(L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

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

TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
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 $L = \frac{WS^2}{60}$

40 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 AN ORANGE BACKGROUND.

DRB #1002400

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

ENGINEERING DEVELOPMENT GROUP

TITLE: LOS CANDELARIAS SUBDIVISION TRAFFIC CONTROL SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

C.O.A. STANDARD

C.O.A. STANDARD

CITY PROJECT NO. -

ZONE MAP NO. G-14

SHEET 15 OF 16

