

CONSTRUCTION PLANS FOR *94th Street*

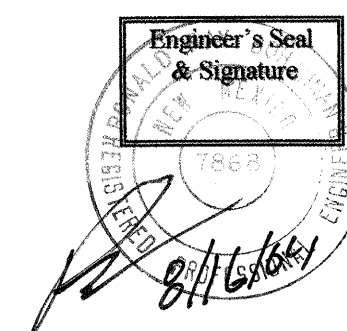
UTILITY, PAVING & STORM DRAIN IMPROVEMENTS

CITY OF ALBUQUERQUE
NEW MEXICO
DECEMBER 2002

INDEX TO DRAWINGS

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohanan, of the firm of Tierra West LLC, 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 with survey information provided by Larry Medrano of Precision Surveys, NMPS # 11995.

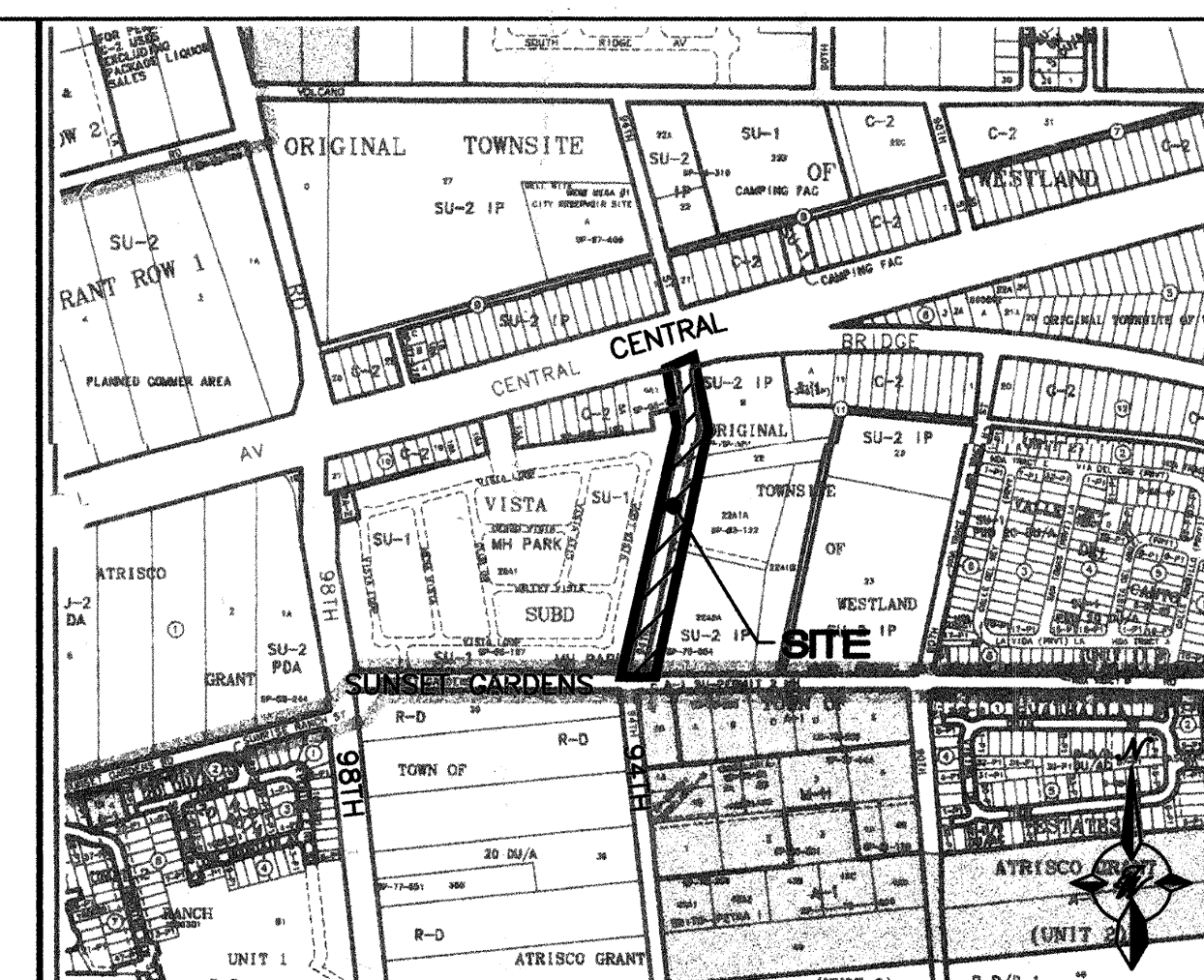


1. TITLE SHEET
2. PLAT
3. PAVING IMPROVEMENTS
94 th STREET / STA: 10+16.09 TO STA: 22+65.03
4. UTILITY IMPROVEMENTS
94TH STREET / STA: 10+10.82 TO STA: 17+20.54
5. STORM DRAIN IMPROVEMENTS
94TH STREET / STA: 18+87.16 TO STA: 23+88.40
6. STORM DRAIN IMPROVEMENTS
VISTA MHP / STA: 9+91.87 TO STA: 11+40.87
7. DETAILS SHEET
- 7A. MOUNTAIN VIEW MOBLIE HOME PARK
PAVING, DRAINAGE, & UTILITY DETAILS **FOR REFERENCE ONLY**
- 7B. CITY OF ALBUQUERQUE STANDARD DETAILS
8. TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)
9. SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26 69 62 81 05

1/21114/21114TITLE.DWG/MP/06.06.2002

Elevations are in NGVD 29.



VICINITY MAP ZONE ATLAS L-9-Z

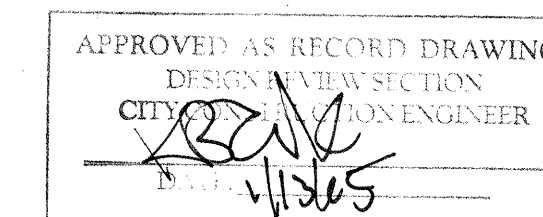
SCALE NONE

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, 1986 EDITION (UPDATE #6)
2. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) 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. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATIONS DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO(2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.
6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.
7. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE DESIGNERS EXPENSE.
8. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
9. FOR STORM DRAIN CONSTRUCTION, RCP PIPE JOINTS SHALL NOT BE GROUTED PRIOR TO FINAL INSPECTION. FINAL INSPECTION WILL DETERMINE JOINTS TO BE GROUTED FOR FINAL ACCEPTANCE OF THE CONSTRUCTION.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
- ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
- ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE PROJECT ENGINEER.
- ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
- ☐ IF CURB IS DEPRESSIONED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

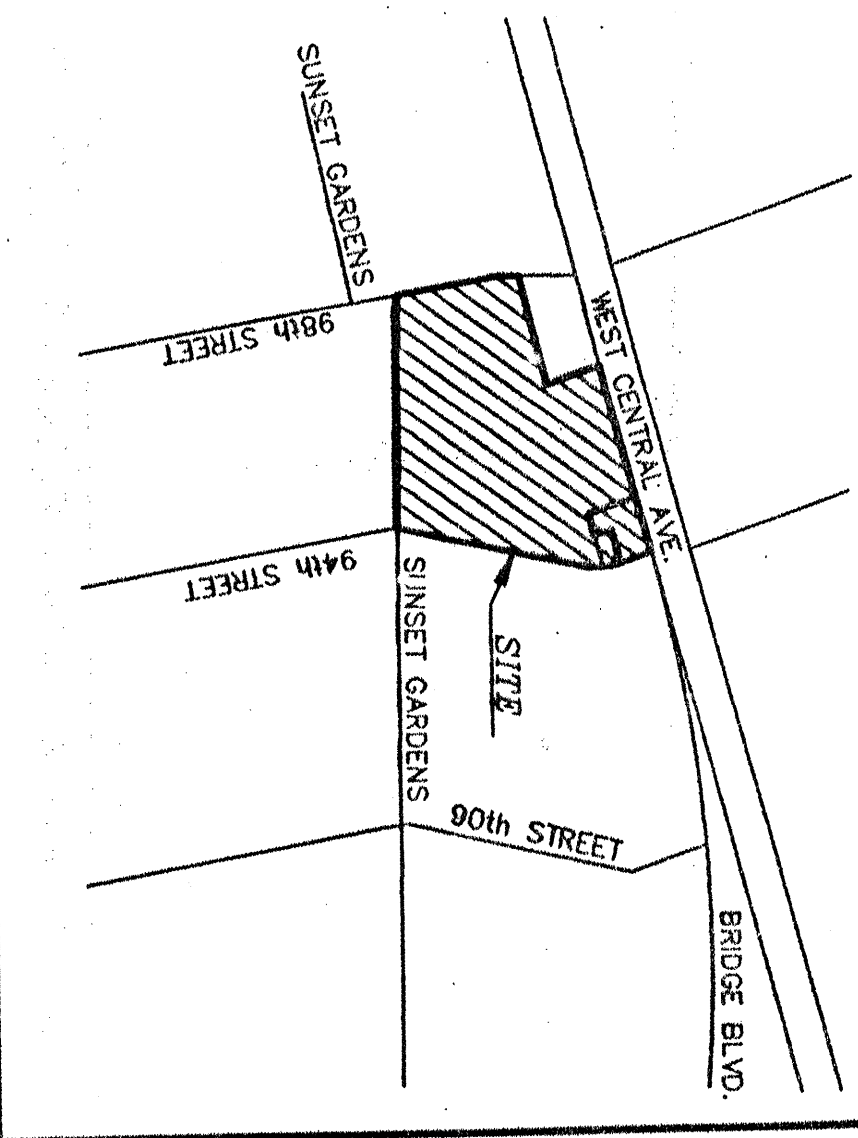


TIERRA WEST, LLC
8508 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

DRB # 1001232

TIERRA WEST, LLC
8508 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	APPROVED FOR CONSTRUCTION		
		DRC Chairman		8-5-03			
		Transportation		2/21/03			
		Water/Wastewater		2/25/03			
		Hydrology		2-25-03			
		C.I.P		8-5-03	City Engineer Date		
		Constr. Coord.		8-5-03			
CITY PROJECT NO.				SHEET			
6962.81				1 of 9			



VICINITY MAP
ZONE MAP NO. 1-3

DISCLOSURE STATEMENT:
THE PURPOSE OF THIS PLAT IS TO COMPLY WITH ALL OF THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE, NEW MEXICO, AS THE SAME ARE SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON MAY 29, 1986 IN VOLUME COO, FOLIO 113.

LEGAL DESCRIPTION:
LOTS NUMBERED 1-A THRU 4-A AND 28A OF VISTA, AN ADDITION TO THE CITY OF ALBUQUERQUE, NEW MEXICO, AS THE SAME ARE SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON MAY 29, 1986 IN VOLUME COO, FOLIO 113.

ENVIRONMENTAL HEALTH NOTES:
1: SANITARY PUBLIC SEWER AND WATER SERVICES ARE AVAILABLE TO THE SUBJECT PROPERTIES.
2: NO PRIVATE ON-SITE LIQUID WASTE DISPOSAL SYSTEMS SHALL BE ALLOWED WHERE PUBLIC SEWER IS AVAILABLE; BERNALILLO COUNTY HAS A LIQUID WASTE DISPOSAL SYSTEM.
3: WATER SUPPLY SYSTEM SHALL BE THE REQUIREMENTS OUTLINED IN THE MOST CURRENT WATER SUPPLY REGULATIONS AT THE TIME OF INSTALLATION.

- GENERAL NOTES:
- 1: THIS PLAT SHOWS ALL EASEMENTS OF RECORD PER PLAT FILED MAY 29, 1986 IN VOLUME COO, FOLIO 136(3).
 - 2: TOTAL AREA OF PROPERTY: 28.1718 ACRES.
 - 3: TOTAL LOT NO. 441221-1-441230
 - 4: BASIS OF BEARINGS IS THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD, 1927.
 - 5: BEARINGS ARE GRID, DISANCES ARE GROUND.
 - 6: DRB CASE NO. 82-621

THIS IS TO CERTIFY THAT TAXES ARE CURRENT AND PAID ON UP TO SEE ATTACHMENT A
PROPERTY OWNER OF RECORD: WEST MESA DEV GROUP
BERNALILLO CO. TREASURER'S OFFICE: *David G. Davis*

FEE CONSENT
THE SUBDIVISION HEREIN DESCRIBED IS WITH THE FREE CONSENT AND IN ACCORDANCE WITH THE DESIRES OF THE UNDERSIGNED OWNERS AND PROPRIETOR THEREOF, SAID OWNER / PROPRIETOR DOES HEREBY GRANT ANY AND ALL EASEMENTS AS MAY BE CREATED BY THIS PLAT, AND ALSO DO HEREBY DEDICATE TO THE CITY OF ALBUQUERQUE ADDITIONAL RIGHT-OF-WAY IN THE STREET, WATER, SEWER, GAS, AND OTHER UTILITIES, TO THE CITY OF ALBUQUERQUE, NEW MEXICO, AS THE SAME ARE SHOWN AND DESIGNATED ON THE PLAT THEREOF, FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON MAY 29, 1986 IN VOLUME COO, FOLIO 113.

ACKNOWLEDGEMENT
THIS INSTRUMENT WAS ACKNOWLEDGE BEFORE ME THIS 14 DAY OF December 1994 BY
Anthony L. Harris and *Anthony L. Harris*
MY COMMISSION EXPIRES: *Anthony L. Harris* 1994 BY: *Anthony L. Harris*

HARRIS SURVEYING, INC.
2412-D MONROE STREET N.E.
ALBUQUERQUE, NEW MEXICO 87110 PH. NO. (505) 889-8645 FAX (505) 889-8645

SHEET 1 of 6

95C-294(1)

PLAT OF
LOTS 4-A-1 AND 28-A-1
VISTA
WITHIN PROJECTED
SECTION 28, T. 10 N., R. 2 E., N.M.P.M.
TOWN OF ATRISCO GRANT
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 1994

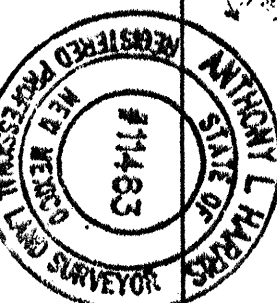
APPROVALS:

TRAFFIC ENGINEER TRANSPORTATION GROUP	DATE 8-23-95
PARKS AND GENERAL SERVICES DEPARTMENT	DATE 7-11-95
PUBLIC SERVICE COMPANY OF NEW MEXICO	DATE
U.S. WEST COMMUNICATIONS COMPANY	DATE
GAS COMPANY OF NEW MEXICO	DATE 6-29-95
CITY ENGINEER ENGINEERING DIVISION	DATE 7-11-95
UTILITY DEVELOPMENT	DATE 7-11-95
AMATEUR	DATE 7-11-95
CITY ENGINEER	DATE
CITY PROPERTY MANAGEMENT	DATE

APPROVAL AND CONDITIONAL ACCEPTANCE AS SPECIFIED BY THE ALBUQUERQUE SUBDIVISION ORDINANCE, ARTICLE XI OF CHAPTER 7 OF THE REVISED ORDINANCES OF ALBUQUERQUE, NEW MEXICO.

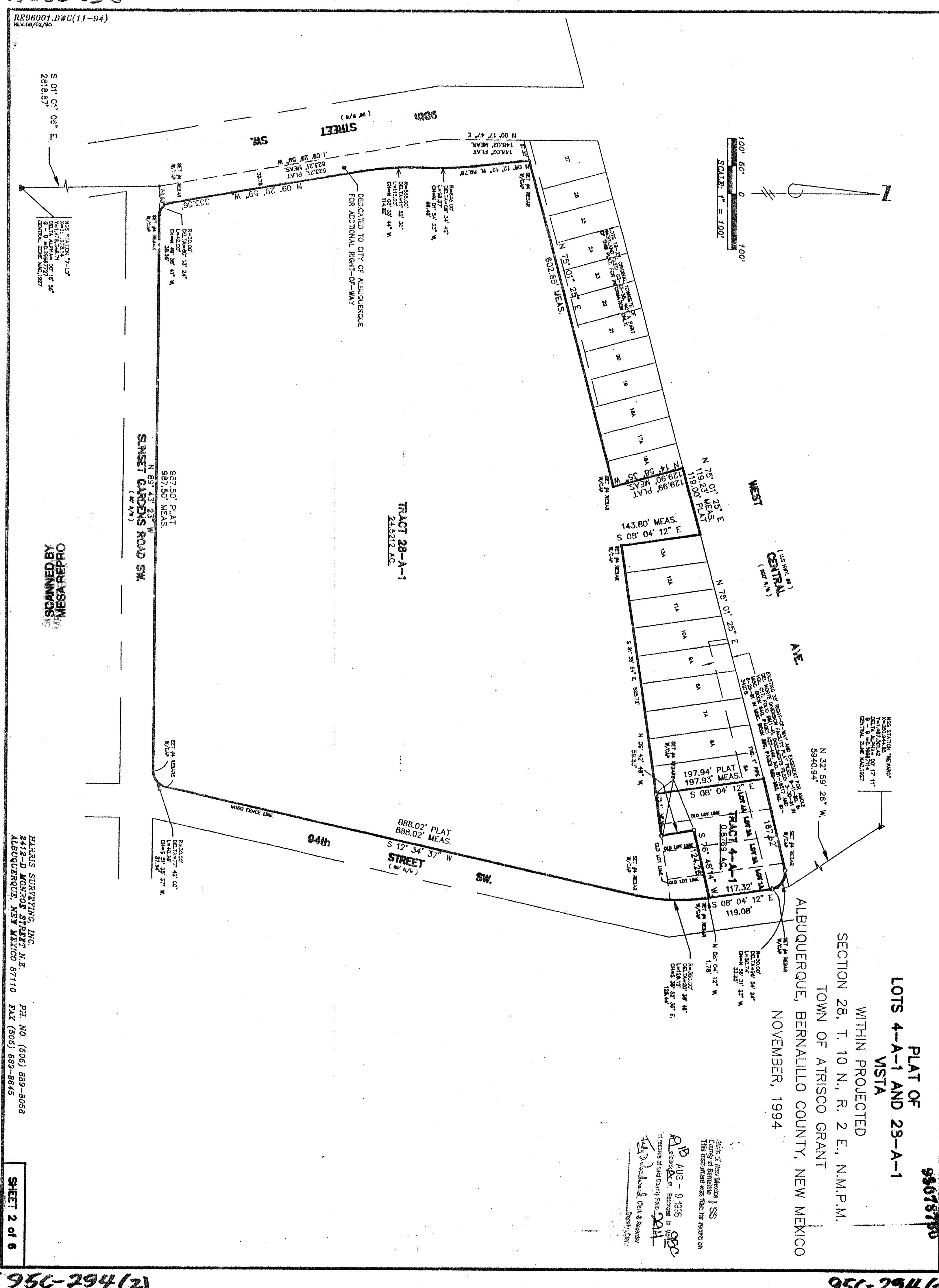
ALBUQUERQUE/BERNALILLO COUNTY PLANNING DIVISION
DATE 8-8-95
SP-95-187

SUBJECTS CERTIFICATE:
STATE OF NEW MEXICO) S.S.
COUNTY OF BERNALILLO)
I, ANTHONY L. HARRIS, A duly professional land surveyor, UNDER THE LAWS OF THE STATE OF NEW MEXICO DO HEREBY CERTIFY THAT THE PLAT WAS PREPARED UNDER MY DIRECT SUPERVISION AND MEETS THE REQUIREMENTS FOR MONUMENTATION AND SURVEY OF THE ALBUQUERQUE SUBDIVISION ORDINANCE AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.
GIVEN UNDER MY HAND AND SEAL AT ALBUQUERQUE, NEW MEXICO, THE 21st DAY OF MAY, 1994.



PLAT OF
LOTS 4-A-1 AND 28-A-1
VISTA
WITHIN PROJECTED
SECTION 28, T. 10 N., R. 2 E., N.M.P.M.
TOWN OF ATRISCO GRANT
ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO
NOVEMBER, 1994

State of New Mexico) S.S.
County of Bernalillo)
This instrument was filed for recording on
8-23-95
at 10:00 A.M. in the Office of the County Clerk of Bernalillo County, New Mexico.



95C-294(2)

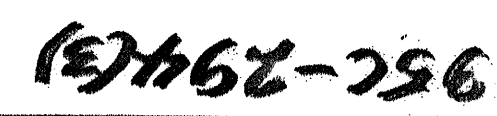
SHEET 2 of 6

95C-29413)

PLAT OF
LOTS 4-A-1 AND 28-A-1
VISTA

State of New Mexico } ss
County of Bernalillo }
this instrument was filed for records on
15 AUG - 9 1995
at _____ in _____, Recorded in Vol. _____ of records of said County File # 2014

County Clerk & Recorder
Deputy Clerk

[illegible]

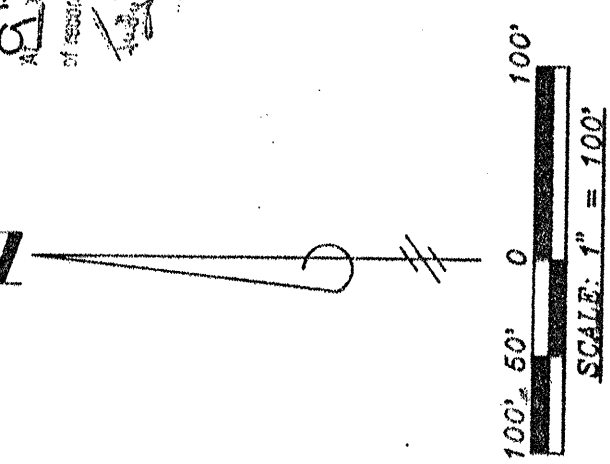
HARRIS SURVEYING, INC.
2412-D MONROE STREET N.E.
ALBUQUERQUE, NEW MEXICO 87110
PH. NO. (505) 889-8058
FAX (505) 889-8845

8 of 8

95C-29464

95078780

WITHIN PROJECTED



SHEET 2B

SUNSET CALDEN'S ROAD S.W.

SHEET 4 of 8

SHEET 4 of 8

95C-2941

95078760

LOTS 4-A-1 AND 28-A-1
VISTA

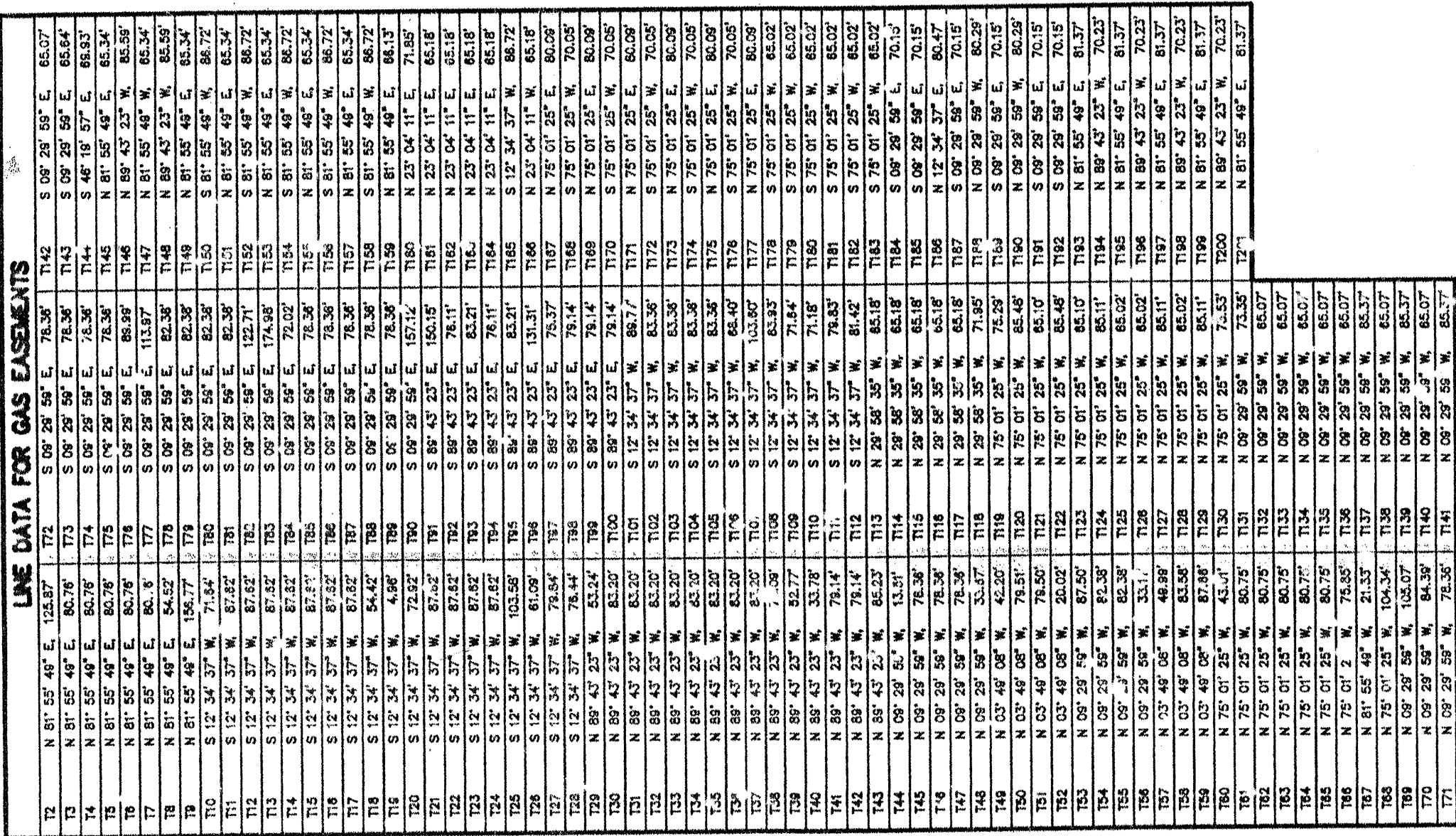
WITHIN PROJECTED

SECTION 28. T. 10 N.: R. 2 E.: N.M.P.M.:

TOWN OF ATRISCO GRANT

ALBUQUERQUE, BERNALILLO COUNTY, NEW MEXICO

NOVEMBER, 1994



SUNSET GARDENS ROAD SW.

GAS LINE ESMT. LOCATIONS

HARRIS SURVEYING, INC.
2412-D MONROE STREET N.E.
ALBUQUERQUE, NEW MEXICO 87110
PH. NO. (505) 889-8058
FAX (505) 889-8645

PH. NO. (505) 889-8895
FAX (505) 889-8645

9 of 9 LEADS

95C-294C5)

0307870

PLAT OF
LOTS 4--A-1 AND 28-A-1
VISTA

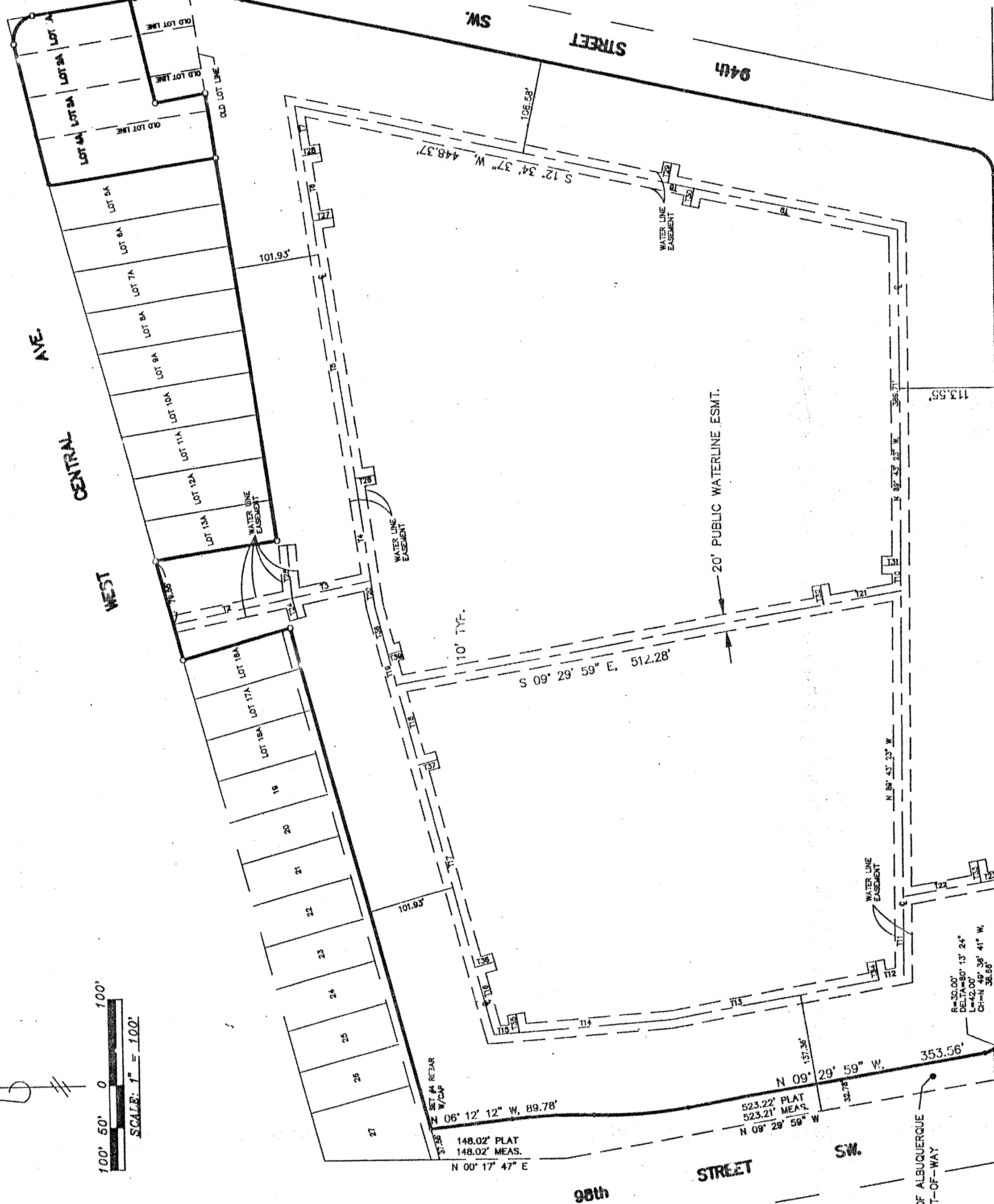
WITHIN PROJECTED

SECTION 28. T. 10 N.; R. 2 E.; N.M.P.M.

TOWN OF ATRISCO GRANT

BERNALILLO COUNTY, NEW MEXICO

NOVEMBER, 1994



DEDICATED TO CITY OF ALBUQUE
FOR ADDITIONAL RIGHT-OF-WAY

SUNSET GARDENS ROAD SW.

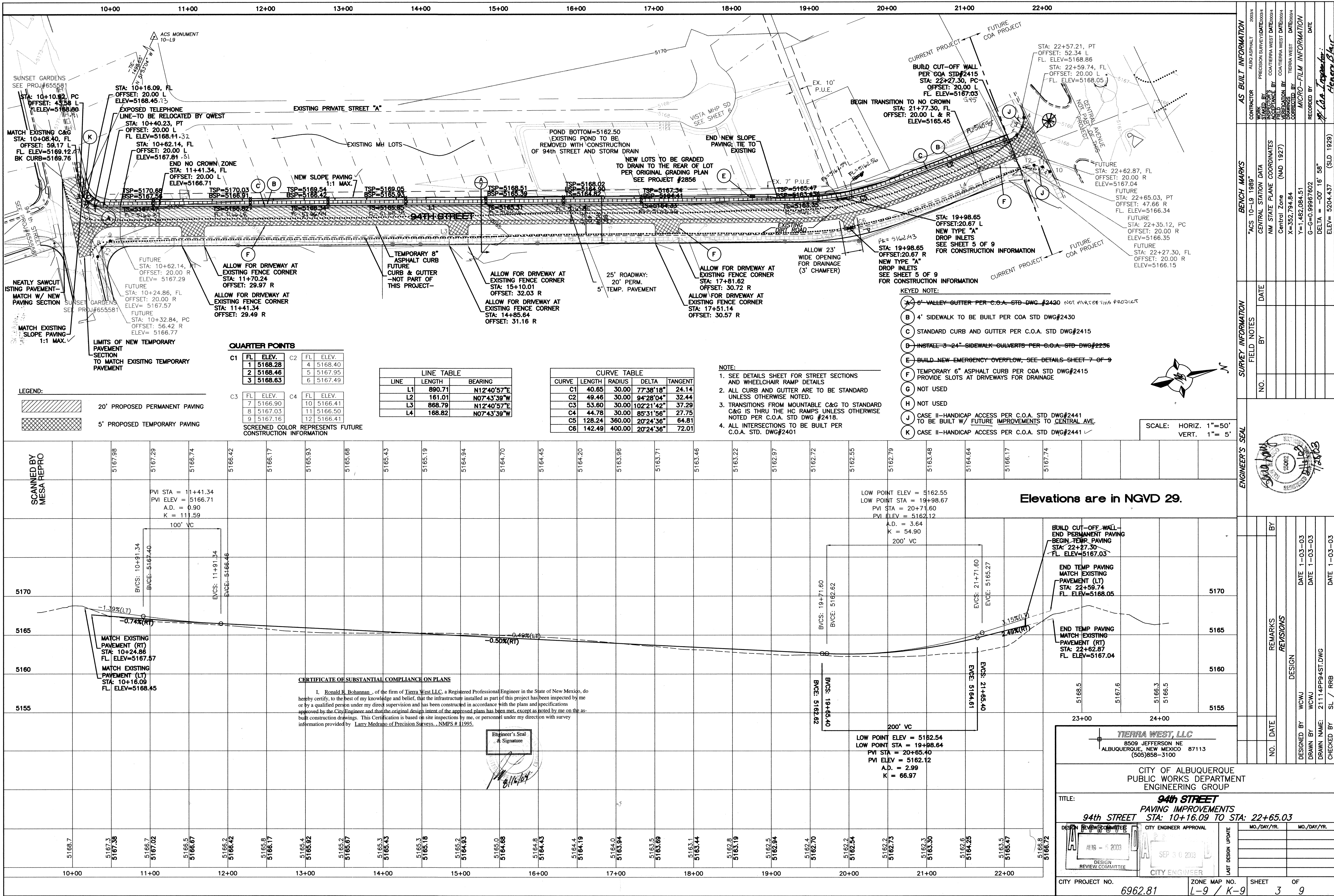
PUBLIC WATER LINE ESMT.

HARRIS SURVEYING, INC.
22412-D MONROE STREET N.E.
ALBUQUERQUE, NEW MEXICO 87110
PH. NO. (505) 889-8056
FAX (505) 889-8645

SHEET 5 of 6

95C-29419

REV: 08/02/95
REF96004.DWG(11-94)



AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	ALBU ASPHALT	DATE	NO.	BY	NO.	DATE	NO.
WORK	PRECISION SURVEY/DATE/2003/4	DATE	NO.	BY	NO.	DATE	NO.
INSPECTOR'S	COASTERRA WEST DATE/2003/4	DATE	NO.	BY	NO.	DATE	NO.
FIELD	COASTERRA WEST DATE/2003/4	DATE	NO.	BY	NO.	DATE	NO.
VERIFICATION	COASTERRA WEST DATE/2003/4	DATE	NO.	BY	NO.	DATE	NO.
CORRECTED	COASTERRA WEST DATE/2003/4	DATE	NO.	BY	NO.	DATE	NO.
MICRO-FILM INFORMATION		REVISIONS		DESIGN		REVISIONS	
RECORDED BY		DATE		DESIGNED BY		DATE	
DATE		DATE		DRAWN BY		DATE	
DATE		DATE		DRAWN NAME		DATE	
DATE		DATE		CHECKED BY		DATE	

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

94th STREET
PAVING IMPROVEMENTS
94th STREET STA: 10+16.09 TO STA: 22+65.03

DESIGN REVIEW COMMITTEE
CITY ENGINEER APPROVAL
MO./DAY/YR.
MO./DAY/YR.

CITY PROJECT NO. 6962.81 **ZONE MAP NO.** L-9 / K-9 **SHEET** 3 **OF** 9

9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00

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.

EXISTING 8" CROSS
STA: 10+05.92
OFFSET: 14.81 L

EXISTING 6" TYPE-E
SAS MH
STA: 9+99.28
OFFSET: 6.68 L
RIM=5168.70
INV OUT=5160.70

EXISTING SUBDIVISION
DESERT PINE
PROJ#655581

SUNSET GARDENS
SEE PROJ#655581

ACS MONUMENT
10-19
11 513.04' W
12 148.45'

STA: 10+10.82
OFFSET: 15.78 L
EXISTING 8" STUB
REMOVE CAP
INSTALL 22.5" BEND
RESTRAINED

EXISTING MH LOTS

EX. 8" SAS

8" WL

94th STREET

8" SAS

LOT 22-A-2-A

STA: 10+82.35
OFFSET: 11.09 L
INSTALL 1-8" VALVE
RESTRAINED

STA: 10+75.49
OFFSET: 30.00 R
INSTALL 1-8"X8"X6" TEE
41 LF 6" WL
1-FIRE HYDRANT
FLANGE=5168.23

STA: 10+34.39
OFFSET: 11.09 L
INSTALL 1-11.25" BEND
RESTRAINED

LOT 22-A-1-A

30.00' SEWER, WATER
AND ACCESS EASEMENT
BOOK C21, FOLIO 70,
5/17/83
TO LOT 22-A-1-B

STA: 11+55.73 MH-1
OFFSET: 10.00 R
BUILD 4" DIA. MH TYPE "C"
RIM=5166.84
INV IN(S)=5164.64
INV OUT(N)=5161.74

LOT 22

STA: 15+50.16 MH-2
OFFSET: 10.00 R
BUILD 4" DIA. MH TYPE "C"
RIM=5164.68
INV IN(S)=5159.47
INV OUT(N)=5159.37

STA: 16+68.13
OFFSET: 11.09 L
INSTALL 1-8" VALVE
RESTRAINED

STA: 16+63.13
OFFSET: 30.00 R
INSTALL
1-8"X8"X6" TEE
41 LF 6" WL
1-FIRE HYDRANT
FLANGE=5165.15

STA: 17+20.54
OFFSET: 11.09 L
REMOVE EX. 6" WL CAP
INSTALL 1-6" REDUCER
RESTRAINED

STA: 19+44.53 MH-3
OFFSET: 10.00 R
BUILD 4" DIA. MH TYPE "C"
RIM=5162.72
INV IN(S)=5157.20
INV OUT(N)=5157.10

TRACT B
BUILD 4" DIA. MH TYPE "C"
Rim=5162.71
INV IN(S)=5156.97
INV OUT(N)=5156.97

STA: 20+13.89 MH-4
OFFSET: 11.22 R
BUILD 4" DIA. MH TYPE "C"
RIM=5162.75
INV IN=5158.63
INV OUT=5156.53

STA: 22+46.46
EX. SAS MH
RIM=5166.77
INV IN(W)=5154.75
INV OUT(N)=5154.65

STA: 22+14.62
EX. SAS MH
Rim=5166.37
INV IN(W)=5155.15
INV IN(S)=5155.21
INV IN(W)=5155.19

STA: 22+25.20
OFFSET: 33.19 R
EX. FIRE HYDRANT
OFFSET: 13.63 R
RIM=5167.03
INV IN=5164.35 (S)
INV OUT=5153.85

STA: 22+49.82 MH-5
OFFSET: 13.63 R
BUILD 4" DIA. MH TYPE "C"
RIM=5167.03
INV IN=5164.35 (S)
INV OUT=5153.85

STA: 21+49.47
OFFSET: 10.20 R
BUILD 4" DIA. MH TYPE "C"
Rim=5155.71
INV IN(S)=5155.71
INV OUT(N)=5155.48

NOTICE TO CONTRACTORS
AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK
WITHIN CITY RIGHT-OF-WAY. AN APPROVED COPY OF THESE PLANS MUST BE SUBMITTED
AT THE TIME OF APPLICATION FOR THIS PERMIT.

2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE
STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF
ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1985.

3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE
LOCATION SERVICE, 785-1234, FOR LOCATION OF EXISTING UTILITIES.

4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE
HORIZONTAL AND VERTICAL LOCATIONS OF ALL CONSTRUCTIONS. SHOULD A CONFLICT EXIST,
THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED
WITH A MINIMUM AMOUNT OF DELAY.

5. BACKFILL COMPACTION SHALL BE ACCORDING TO RESIDENTIAL STREET USE.

6. MAINTENANCE OF THESE FACILITIES SHALL BE THE RESPONSIBILITY OF THE OWNER OF
THE PROPERTY SERVED.

7. WORK ON ARTERIAL STREETS SHALL BE PERFORMED ON A 24-HOUR BASIS.

8. FOR WATER METER DETAIL AND VALVE DETAILS, SEE SHEET 7B OF 9.

KEYED NOTE:
(A) EXISTING 8" VALVE W/ BOX AND LID, VALVES TO
SHUT OFF DURING CONNECTION OF NEW 8" WL

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

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

LINE TABLE

LINE	LENGTH	BEARING
L1	24.03	N23°55'57"E
L2	686.15	N12°40'57"E
L3	394.37	N12°40'57"E
L4	304.57	N12°40'57"E
L6	71.22	N06°14'36"E
L7	237.74	N06°14'20"W

WL TABLE

LOT #	STATION SERVICE	LOT #	STATION*	LF	INV.*	INV. ELEV. @ PL
LOT 22A2A	11+28.47 5/4" SINGLE	LOT 22A2A**	11+38.47	27	5165.64	5166.18
LOT 22A2A	13+69.36 1" SINGLE	LOT 22A2A	13+79.36	20	5161.21	5161.61
LOT 22A1A	16+28.13 1" SINGLE	LOT 22A1A	16+38.13	20	5159.69	5160.09
LOT 22	- EXISTING	LOT 22	17+21.35	20	5159.23	5159.63
LOT 22A1B	UNKNOWN 1" SINGLE	LOT 22A1B	14+19.36	20	5160.99	5161.39

* END OF SERVICE LINE INTO 8" SAS PIPE
** SERVICE TO BE INSTALLED INTO MH PER COA STD 2118

SAS TABLE

LOT #	STATION*	LF	INV.*	INV. ELEV. @ PL
LOT 22A2A**	11+38.47	27	5165.64	5166.18
LOT 22A2A	13+79.36	20	5161.21	5161.61
LOT 22A1A	16+38.13	20	5159.69	5160.09
LOT 22	17+21.35	20	5159.23	5159.63
LOT 22A1B	14+19.36	20	5160.99	5161.39

AS BUILT INFORMATION

CONTRACTOR: ALBO ASPHALT
WORK: PRECISION SURVEY DATE: 2003/4
DESIGNED BY: CONSTRUCTION DATE: 2003/4
ACCEPTANCE BY: COASTERRA WEST DATE: 2003/4
FIELD CHECKED BY: COASTERRA WEST DATE: 2003/4
DRAWINGS BY: TERRA WEST DATE: 2003/4
CORRECTED BY: MICRO-FILM INFORMATION
RECORDED BY: DATE: 10/24/2003
BY: COASTERRA WEST

BENCH MARKS

ACS 10-19 1989
CENTRAL STATION DATA
NM STATE PLANE COORDINATES
Central Zone
X=352,794.84
Y=1,482,084.51
G-GA=0.99967502
DELTA = -00' 16" 58"
ELEV= 5204.437 (SLD 1929)

SURVEY INFORMATION

FIELD NOTES

NO. BY DATE

SCANNED BY
MESA REPRO

Elevations are in NGVD 29.

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, 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 with survey information provided by Larry Medrano of Precision Surveys, NMPS #11995.

Tierra West, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

94th STREET
UTILITY IMPROVEMENTS
94th STREET STA: 10+10.82 TO STA: 17+20.54

NO.	DATE	REVISIONS	BY
1	7-23-03	EXTENSION OF VERTICAL BEND WATER LINE RELOCATION	WCWJ

DESIGN REVIEW COMMITTEE APPROVED
CITY ENGINEER APPROVAL

CITY PROJECT NO. 6962.81 ZONE MAP NO. L-9 / K-9 SHEET 4 OF 9

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, 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 with survey information provided by Larry Medina of Precision Surveys, NMPS #11995.

Engineer's Seal & Signature: *[Signature]*

NO.	DATE	REMARKS	BY
1	7-23-03	EXTENSION OF VERTICAL BEND WATER LINE RELOCATION	WCWJ

REVISIONS

1. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

2. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

3. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

4. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

5. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

6. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

7. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

8. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

9. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

10. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

11. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

12. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

13. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

14. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

15. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

16. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

17. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

18. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

19. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

20. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

21. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

22. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

23. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

24. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

25. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

26. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

27. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

28. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

29. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

30. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

31. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

32. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

33. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

34. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

35. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

36. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

37. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

38. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

39. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

40. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

41. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

42. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

43. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

44. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

45. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

46. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

47. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

48. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

49. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

50. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

51. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

52. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

53. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

54. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

55. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

56. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

57. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

58. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

59. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

60. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

61. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

62. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

63. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

64. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

65. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

66. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

67. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

68. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

69. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

70. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

71. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

72. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

73. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

74. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

75. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

76. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

77. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

78. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

79. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

80. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

81. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

82. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

83. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

84. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

85. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

86. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

87. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

88. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

89. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

90. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

91. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

92. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

93. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

94. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

95. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

96. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

97. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

98. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

99. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

100. 7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION WCWJ

TO DESERT PINE SUBDIVISION NOT PART OF THIS PROJECT

8" SDR-35

3' MIN. BURY

8" C-900 WL

PROPOSED GRADE: AT CL

INSTALL REDUCER WITH VERTICAL BEND RESTRAINED
STA: 17+20.54
TOP=5159.00

STA: 18+59.79 TOP=5059.00
INSTALL 1-45° VERTICAL BEND RESTRAINED

STA: 16+68.13 TOP=5159.43
INSTALL 1-8" VALVE

STA: 16+63.13 TOP=5159.43
INSTALL 1-8"X8"X6" TEE

NEW 6" C-900 WL

STA: 18+79.02 TOP=5057.08
INSTALL 1-45° VERTICAL BEND RESTRAINED

STA: 20+66.47 TOP=5057.08
INSTALL 1-45° VERTICAL BEND RESTRAINED

STA: 20+47.24 TOP=5059.00
INSTALL 1-45° VERTICAL BEND RESTRAINED

NEW 42" SD

EX. 12" WL

EX. 20" WL

5165

5160

5155

EX. 8" WL PER PROJECT #655581

EX. 8" SAS PER PROJECT #655581

STA: 10+82.36 TOP=5163.73
INSTALL 1-8" VALVE

STA: 10+75.49 TOP=5163.78
INSTALL 1-8"X8"X6" TEE

NEW 8" SAS

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, **Ronald R. Bohannon**, of the firm of **Tierra West LLC**, 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 with survey information provided by **Larry Medrano of Precision Surveys**, NMPS #11995.

Engineer's Seal & Signature

7-23-03 EXTENSION OF VERTICAL BEND WATER LINE RELOCATION **WCWJ**

NO. **DATE** **REMARKS** **BY**

REVISIONS

STA: 15+50.16 MH-2
4" DIA. TYPE "C" MH
RIM=5164.66
INV IN=5159.47
INV OUT=5159.37

STA: 19+44.53 MH-3
4" DIA. TYPE "C" MH
RIM=5162.72
INV IN=5157.20
INV OUT=5157.10

STA: 19+44.23 MH-3
4" DIA. TYPE "C" MH
RIM=5162.72
INV IN=5157.20
INV OUT=5157.10

STA: 20+13.89 MH-3
4" DIA. TYPE "C" MH
RIM=5162.72
INV IN=5157.20
INV OUT=5157.10

STA: 11+55.79 MH-1
4" DIA. TYPE "C" MH
RIM=5166.64
INV IN=5161.64
INV OUT=5161.79

STA: 9+99.28 EX. MH-4
4" DIA. TYPE "E" MH
RIM=5166.70
INV=5160.70

STA: 8+33.18 EX. MH-3
4" DIA. TYPE "E" MH
RIM=5166.27
INV IN=5158.36
INV OUT=5158.26

9+00 **10+00** **11+00** **12+00** **13+00** **14+00** **15+00** **16+00** **17+00** **18+00** **19+00** **20+00** **21+00**

22+00 **23+00**

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

94th STREET
UTILITY IMPROVEMENTS
94th STREET STA: 10+10.82 TO STA: 17+20.54

DESIGN REVIEW COMMITTEE **CITY ENGINEER APPROVAL**

APPROVED **APPROVED**

DESIGN REVIEW COMMITTEE **CITY ENGINEER**

CITY PROJECT NO. **6962.81** **ZONE MAP NO.** **L-9 / K-9** **SHEET** **4** **OF** **9**

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, 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 with survey information provided by Larry Medrano of Precision Surveys, NMPS #11995.

(Signature)
8/11/04
Engineer's Seal & Signature

NO.	DATE	REMARKS	BY
1	7-23-03	EXTENSION OF VERTICAL BEND WATER LINE RELOCATION	WCWJ
REVISIONS			

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

CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING GROUP

94th STREET UTILITY IMPROVEMENTS
 STA: 10+10.82 TO STA: 17+20.54

DESIGN REVIEW COMMITTEE APPROVED
 CITY ENGINEER APPROVAL
 DESIGN UPDATE
 LAST DESIGN

CITY PROJECT NO. **6962.81** ZONE MAP NO. **L-9 / K-9** SHEET **4** OF **9**

STA: 8+33.1810 EX. MH-3
4" DIA. TYPE "E" MH
RIM=5166.27
INV IN=5158.36
INV OUT=5138.26

9+00

STA: 9+99.28 EX. MH-4
4" DIA. TYPE "E" MH
RIM=5168.70
INV IN=5160.70

10+00

STA: 11+55.79 MH-1
4" DIA. TYPE "C" MH
RIM=5166.64
INV IN=5161.64
INV OUT=5161.79

12+00

13+00

14+00

15+00

STA: 15+50.16 MH-2
4" DIA. TYPE "C" MH
RIM=5164.66
INV IN=5159.47
INV OUT=5159.37

16+00

17+00

18+00

19+00

STA: 19+44.53 MH-3
4" DIA. TYPE "C" MH
RIM=5165.72
INV IN=5162.20
INV OUT=5151.10

20+00

STA: 20+13.89 MH-3
BUILD 4" DIA. MH TYPE "C"
RIM=5162.75
INV IN=5156.63
INV OUT=5156.53

21+00

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

I, Ronald R. Bohannon, of the firm of Tierra West LLC, 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 with survey information provided by Larry Medrano of Precision Surveys, NMPS #11995.

Engineer's Seal & Signature

8/1/04

REVISIONS

NO.	DATE	REMARKS	BY
1	7-23-03	EXTENSION OF VERTICAL BEND WATER LINE RELOCATION	WCWJ

STA: 18+79.02 TOP=5057.08
INSTALL 1-45" VERTICAL BEND
RESTRAINED

STA: 20+47.24 TOP=5059.00
INSTALL 1-45" VERTICAL BEND
RESTRAINED

RES. TRAINED

APPROX. 10.200 R
B/C/L/O 4" DIA. MH TYPE "C"
200.00 (S) = 5155.71
200.00 (M) = 5155.48

22+00

23+00

Tierra West, LLC
8505 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87113
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: 94th STREET
UTILITY IMPROVEMENTS
94th STREET STA: 10+10.82 TO STA: 17+20.54

DESIGN REVIEW COMMITTEE

APPROVED

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

APPROVED

CITY ENGINEER

DESIGN UPDATE

LAST

CITY PROJECT NO. 6962.81

ZONE MAP NO. L-9 / K-9

SHEET 4 OF 9

ENGINEER'S CERTIFICATION

I, **Ronald R. Bohannon**, of the firm of **Tierra West LLC**, 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 with survey information provided by **Larry Medrano of Precision Surveys, NMPS #11995**.

Engineer's Seal & Signature

REVISIONS

NO.	DATE	REMARKS	BY
1	7-23-03	EXTENSION OF VERTICAL BEND WATER LINE RELOCATION	WCU

TABLE OF DIMENSIONS

STATION	DIA.	TYPE	IN	OUT	ELEV.
8+33.18	10"	EX	51.56.26	51.56.26	51.56.26
10+00	10"	EX	51.56.26	51.56.26	51.56.26
12+00	10"	EX	51.56.26	51.56.26	51.56.26
14+00	10"	EX	51.56.26	51.56.26	51.56.26
16+00	10"	EX	51.56.26	51.56.26	51.56.26
18+00	10"	EX	51.56.26	51.56.26	51.56.26
20+00	10"	EX	51.56.26	51.56.26	51.56.26
21+00	10"	EX	51.56.26	51.56.26	51.56.26

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

**CITY OF ALBUQUERQUE
 PUBLIC WORKS DEPARTMENT
 ENGINEERING GROUP**

**94th STREET
 UTILITY IMPROVEMENTS
 STA: 10+10.82 TO STA: 17+20.54**

6962.81

DESIGN REVIEW COMMITTEE
 APPROVED
 SEP 30 2003

CITY ENGINEER APPROVAL
 APPROVED
 SEP 30 2003

DESIGN REVIEW COMMITTEE
 APPROVED
 SEP 30 2003

CITY ENGINEER
 APPROVED
 SEP 30 2003

ZONE MAP NO.
 L-9 / K-9

SHEET
 4

OF
 9

STA: 8+33.1810 EX. MH-3
4" DIA. TYPE "E" MH
RM=5165.27
INV IN=5165.36
INV OUT=5148.26

9+00

STA: 9+99.28 EX. MH-4
4" DIA. TYPE "E" MH
RM=5165.70
INV IN=5160.70

10+00

STA: 11+58.79 MH-5
4" DIA. TYPE "C" MH
RM=5166.64
INV IN=5161.64
INV OUT=5148.76
BOLL. IN=5161.74

12+00

13+00

14+00

15+00

STA: 15+50.16 MH-2
4" DIA. TYPE "C" MH
RM=5164.66
INV IN=5159.47
INV OUT=5153.49

16+00

17+00

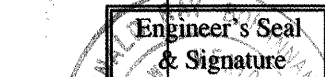
18+00

19+00

STA: 19+44.53 MH-3
4" DIA. TYPE "C" MH
RM=5162.72
INV IN=5157.20
INV OUT=5151.10
BOLL. IN=5156.83
INV OUT=5148.53

20+00

21+00

ENGINEER'S SEAL & SIGNATURE


17-23-03
EXTENSION OF VERTICAL BEND WATER LINE RELOCATION
WCMJ

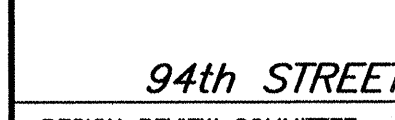
NO. DATE REMARKS BY

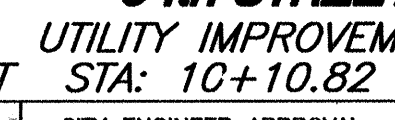
REVISIONS

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE:
94th STREET
UTILITY IMPROVEMENTS
STA: 10+10.82 TO STA: 17+20.54

DESIGN REVIEW COMMITTEE


CITY ENGINEER APPROVAL


LAST DESIGN UPDATE

CITY PROJECT NO.
6962.81

ZONE MAP NO.
L-9 / K-9

SHEET
4

OF
9

STA: 8+33.1810 EX. MH-3 4" DIA. TYPE "E" MH RIM=5166.27 INV IN=5168.26 INV OUT=5188.26	9+00	STA: 9+99.28 EX. MH-4 4" DIA. TYPE "E" MH RIM=5168.70 INV IN=5160.70	10+00	STA: 11+55.79 MH-1 4" DIA. TYPE "C" MH RIM=5166.66 INV IN=5161.64 76 INV OUT=5161.79	11+00	12+00	13+00	14+00	15+00	STA: 15+50.16 MH-2 4" DIA. TYPE "C" MH RIM=5164.68 INV IN=5159.47 56 INV OUT=5159.57 49	16+00	17+00	18+00	19+00	STA: 19+44.53 MH-3 4" DIA. TYPE "C" MH RIM=5163.72 INV IN=5158.20 INV OUT=5151.10 61 INV IN=5151.10 61 INV OUT=5151.10 61	20+00	STA: 20+13.89 MH-3 4" DIA. TYPE "C" MH RIM=5162.75 INV IN=5156.63 INV OUT=5156.53	21+00
--	------	---	-------	--	-------	-------	-------	-------	-------	---	-------	-------	-------	-------	---	-------	---	-------



8/11/24

NO.	DATE	REMARKS	BY
REVISIONS			

CITY PROJECT NO. **6962.81**

ZONE MAP NO. **L-9 / K-9**

SHEET **4** OF **9**

CITY PROJECT NO. **6962.81**

STA: 8+33.1810 EX MH-1 4" DIA. TYPE "E" MH RM=5166.27 INV IN=5158.36 INV OUT=5158.26	9+00	STA: 9+99.28 EX MH-1 4" DIA. TYPE "E" MH RM=5168.70 INV IN=5160.70	10+00	11+00	STA: 11+55.78 MH-1 4" DIA. TYPE "E" MH RM=5166.56 INV OUT=5161.64 76 INV IN=5161.74	12+00	13+00	14+00	15+00	STA: 15+50.18 MH-2 4" DIA. TYPE "E" MH RM=5164.68 16 INV IN=5159.47 55 INV OUT=5159.37 49	16+00	17+00	18+00	19+00	20+00	21+00
--	------	---	-------	-------	---	-------	-------	-------	-------	---	-------	-------	-------	-------	-------	-------

8/16/01
 10:00 AM
 10:00 AM

REVISIONS

STA: 19+44.53 MH-3
 4" DIA. TYPE "E" MH
 RM=5158.72
 INV IN=5157.20
 INV OUT=5157.10 61 62
 INV IN=5157.20
 INV OUT=5157.10 61 62

STA: 20+13.89 MH-3
 4" DIA. TYPE "E" MH
 RM=5162.75
 INV IN=5156.63
 INV OUT=5156.53

TITLE: 94th STREET
 UTILITY IMPROVEMENTS
 STA: 10+10.82 TO STA: 17+20.54

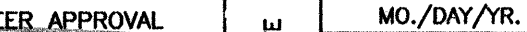
DESIGN	REVIEW	COMMITTEE
APPROVED JUL 11 2001	APPROVED SEP 30 2001	APPROVED SEP 30 2001
DESIGN REVIEW COMMITTEE	CITY ENGINEER	CITY ENGINEER

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

CITY PROJECT NO. 6962.81

ZONE MAP NO. L-9 / K-9

SHEET 4 OF 9

STA: 9+33.1810 4" DIA. TYPE "E" RM=5166.70 INV IN=5168.36 INV OUT=5158.44	9+00	STA: 9+99.28 4" DIA. TYPE "E" RM=5168.70 INV IN=5168.70 INV OUT=5160.70	10+00	11+00	STA: 11+55.79 4" DIA. TYPE "E" RM=5166.64 INV IN=5168.11 INV OUT=5161.11	12+00	13+00	14+00	15+00	STA: 15+50.16 4" DIA. TYPE "E" RM=5164.66 INV IN=5159.44 INV OUT=5159.44	16+00	17+00	18+00	19+00	STA: 19+44.53 4" DIA. TYPE "E" RM=5158.72 INV IN=5158.72 INV OUT=5151.59	20+00	STA: 20+13.88 4" DIA. TYPE "E" RM=5158.76 INV IN=5158.76 INV OUT=5156.66	21+00	  <table border="1"> <tr> <td>MO./DAY/YR.</td> <td>MO./DAY/YR.</td> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table> CITY PROJECT NO. 6962.81 ZONE MAP NO. L-9 / K-9 SHEET 4 OF 9	MO./DAY/YR.	MO./DAY/YR.								
MO./DAY/YR.	MO./DAY/YR.																												
DESIGN REVIEW COMMITTEE DESIGN REVIEW COMMITTEE																													
LAST UPDATE LAST UPDATE																													

STA: 8 4' DIA RIM=5 INV IN INV O	9+00	STA: 9 4' DIA RIM=5 INV IN INV O	10+00	11+00	STA: 10 4' DIA RIM=5 INV IN INV O	12+00	13+00	14+00	15+00	STA: 11 4' DIA RIM=5 INV IN INV O	16+00	17+00	18+00	19+00	STA: 12 4' DIA RIM=5 INV IN INV O	20+00	STA: 13 4' DIA RIM=5 INV IN INV O	21+00
  LAST DESIGNED BY: _____ CITY PROJECT NO. 6962.81 ZONE MAP NO. L-9 / K-9 SHEET OF 4 9																		

CITY PROJECT NO.	6962.81	ZONE MAP NO.	1-9 / K-9	SHEET	4	OF	9
------------------	---------	--------------	-----------	-------	---	----	---

GENERAL NOTES

- TSP DESIGNATES TOP OF SLOPE PAVING
- BSP DESIGNATES BOTTOM OF SLOPE PAVING
- TS DESIGNATES TOP OF SIDEWALK

KEYED NOTE:

- BUILD NEW EMERGENCY OVERFLOW, SEE DETAILS SHEET 7 OF 9
- EXISTING RIP-RAP, TO BE REMOVED AND DISPOSED NOT TO BE PERFORMED UNTIL FUTURE SD CONNECTION IN CENTRAL COMPLETED
- EXISTING CONCRETE RUNDOWN, TO BE REMOVED AND DISPOSED NOT TO BE PERFORMED UNTIL FUTURE SD CONNECTION IN CENTRAL COMPLETED

LINE TABLE			
LINE	LENGTH	BEARING	MATERIAL
L1	133.00	N81°55'49"E	36" RCP CLASS III
L2	118.06	N09°42'43"E	42" RCP CLASS III
L3	20.67	S87°31'40"E	18" RCP CLASS III
L4	20.67	S87°31'40"E	18" RCP CLASS III
L5	209.65	N06°05'10"W	42" RCP CLASS III
L6	444.00	N10°10'44"W	34" ELLIPTICAL PIPE

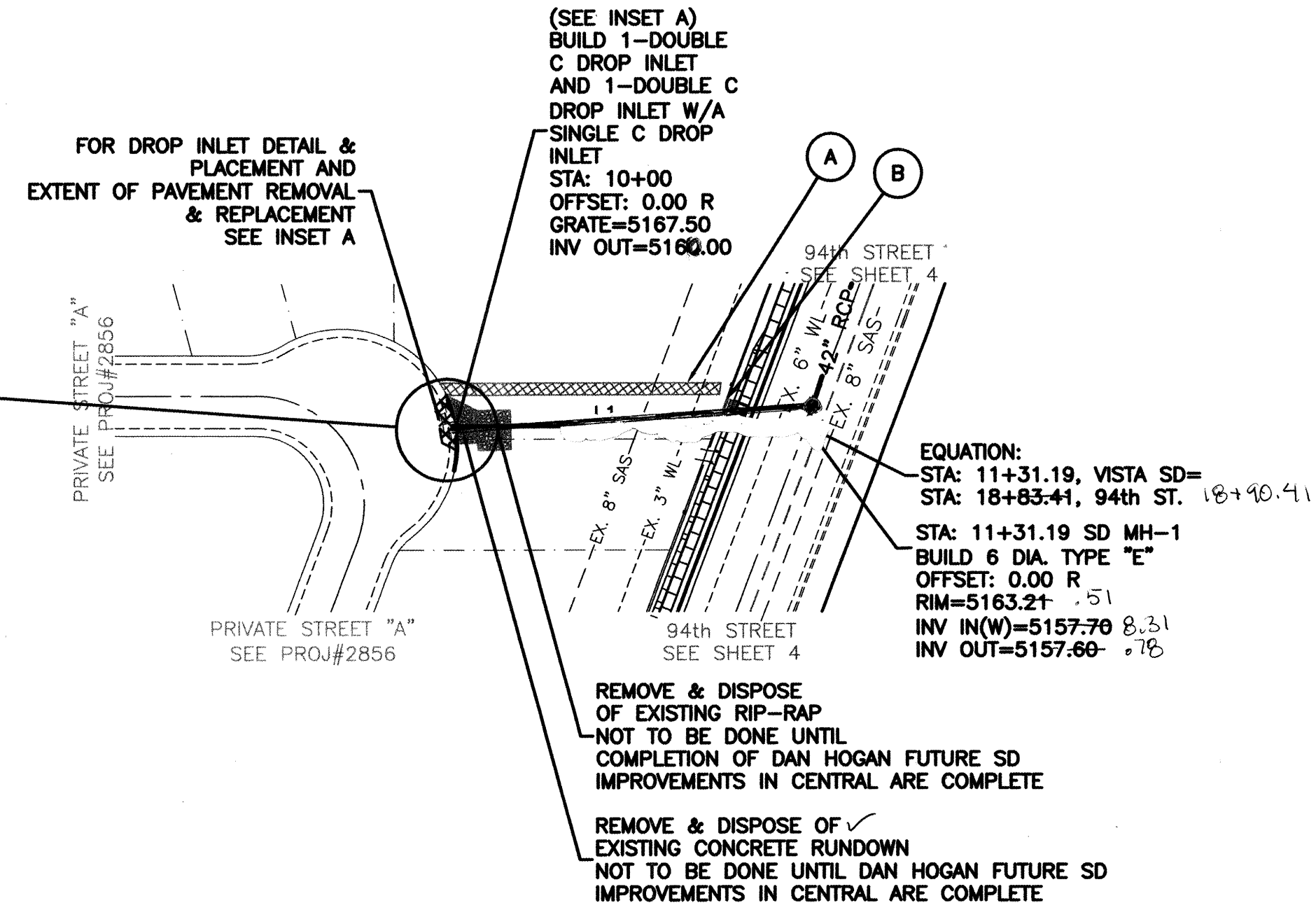
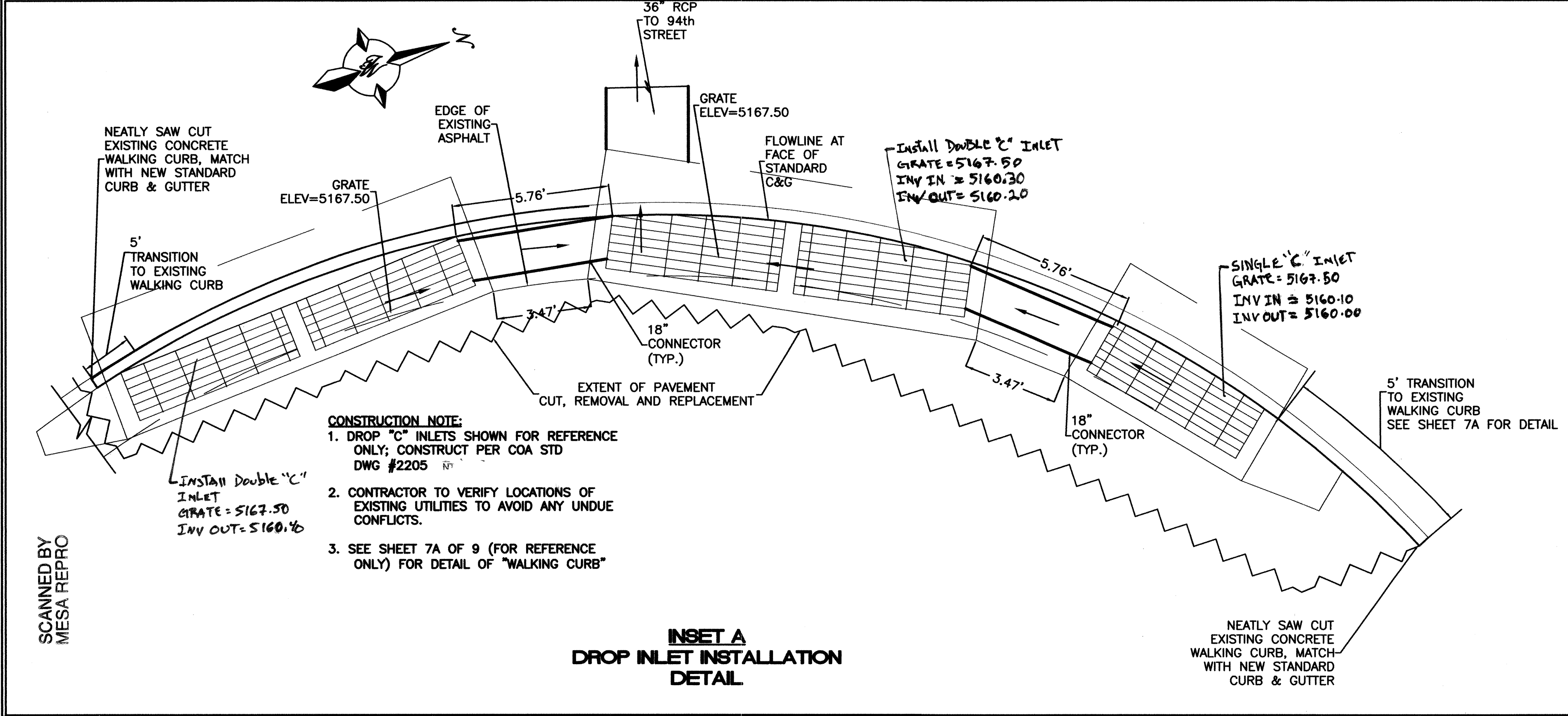
Elevations are in NGVD 29.

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

[illegible]

- KEYED NOTE:
- (A) EXISTING EROSION CONTROL BERM, TO BE REMOVED AND DISPOSED
 - (B) BUILD NEW EMERGENCY OVERTFLOW, SEE DETAILS SHEET 7 OF 9

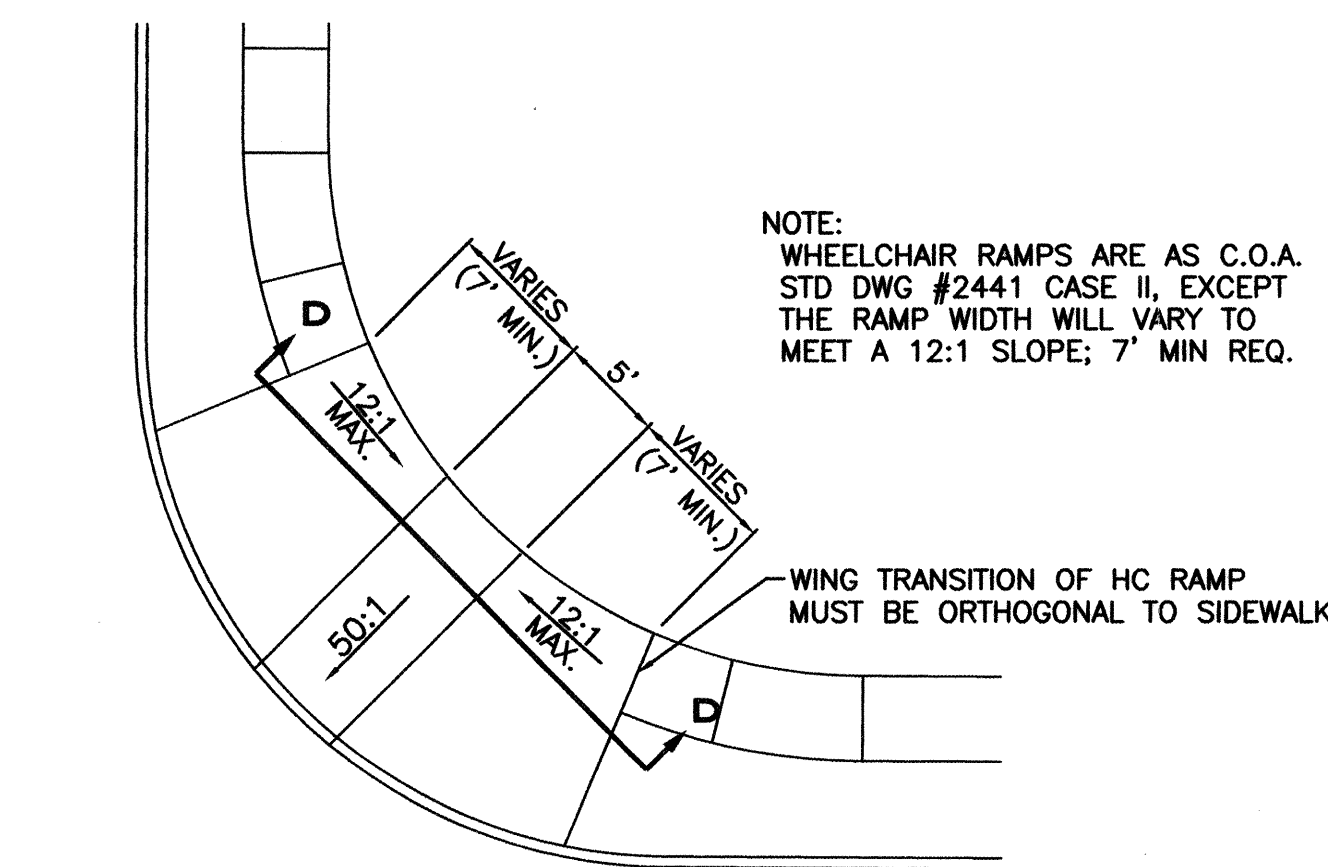
LINE TABLE			
LINE	LENGTH	BEARING	MATERIAL
L1	131.39	S81°55'49"W	36" RCP CLASS III



CONSTRUCTION NOTE:									
1. DROP 'C' INLETS SHOWN FOR REFERENCE ONLY; CONSTRUCT PER COA STD DWG #2205									
2. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITIES TO AVOID ANY UNDUE CONFLICTS.									
3. SEE SHEET 7A OF 9 (FOR REFERENCE ONLY) FOR DETAIL OF 'WALKING CURB'									
INSET A DROP INLET INSTALLATION DETAIL									
Elevations are in NGVD 29.									
1. Ronald R. Bohannon, of the firm of Tierra West LLC, 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 with survey information provided by Larry Medrano of Precision Surveys, NMPS # 11995.									
Engineer's Seal & Signature									
NEW 36" RCP									
EXISTING 6" WL FOR MHP									
EXISTING 8" SAS FOR MHP									
EXISTING CONCRETE RUNDOWN AND RIP RAP TO BE REMOVED AND DISPOSED									
EXISTING GRADE @ CENTERLINE OF SD									
EXISTING 6" C.I. WL									
NEW 8" SAS									
RELOCATED 6" WL									
STA: 10+00 DROP INLET TYPE 2-DOUBLE 'C' W/1-SINGLE 'C' GRATE=5167.50 INV OUT=5160.00									
STA: 11+31.19 SD MH-1 BUILD 6 DIA. TYPE 'E' OFFSET: 0.00 R RIM=5163.21 INV IN(W)=5157.70 INV OUT=5157.60									
CITY PROJECT NO. 6962.81									
ZONE MAP NO. L-9 / K-9									
SHEET 6 OF 9									

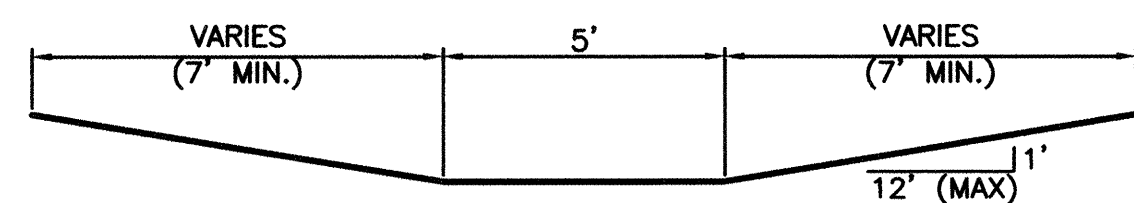
AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	ALCO ASPHALT	DATE	2003/4	VIEW	PRECISION SURVEY/DATE	DATE	2003/4	NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
STAKED BY	INSPECTOR'S FIELD	DATE	2003/4	COORDINATES	NM STATE PLANE	COORDINATES	(NAD 1983)	NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
FIELD	INSPECTOR'S FIELD	DATE	2003/4	Central Zone	X=1493040.611	Y=1482147.732		NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
DATE	2003/4	DATE	2003/4	DELTA	DELTA = -00° 16' 58"	ELEV= 5207.16	(NGVD1988)	NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
RECORDED BY	NO.	DATE		REMARKS	REVISIONS	DESIGN		NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
DATE				DESIGNED BY	WCWJ	DATE	1-03-03	NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
				DRAWN BY	WCWJ	DATE	1-03-03	NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
				DRAWN NAME:	21114SDVISTA.DWG	CHECKED BY	SL / RRB	NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
				CITY PROJECT NO.	6962.81	ZONE MAP NO.	L-9 / K-9	NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
				SHEET	6	OF	9	NO.	DATE	BY	DATE	NO.	DATE	BY	DATE

SCANNED BY
MESA REPRO



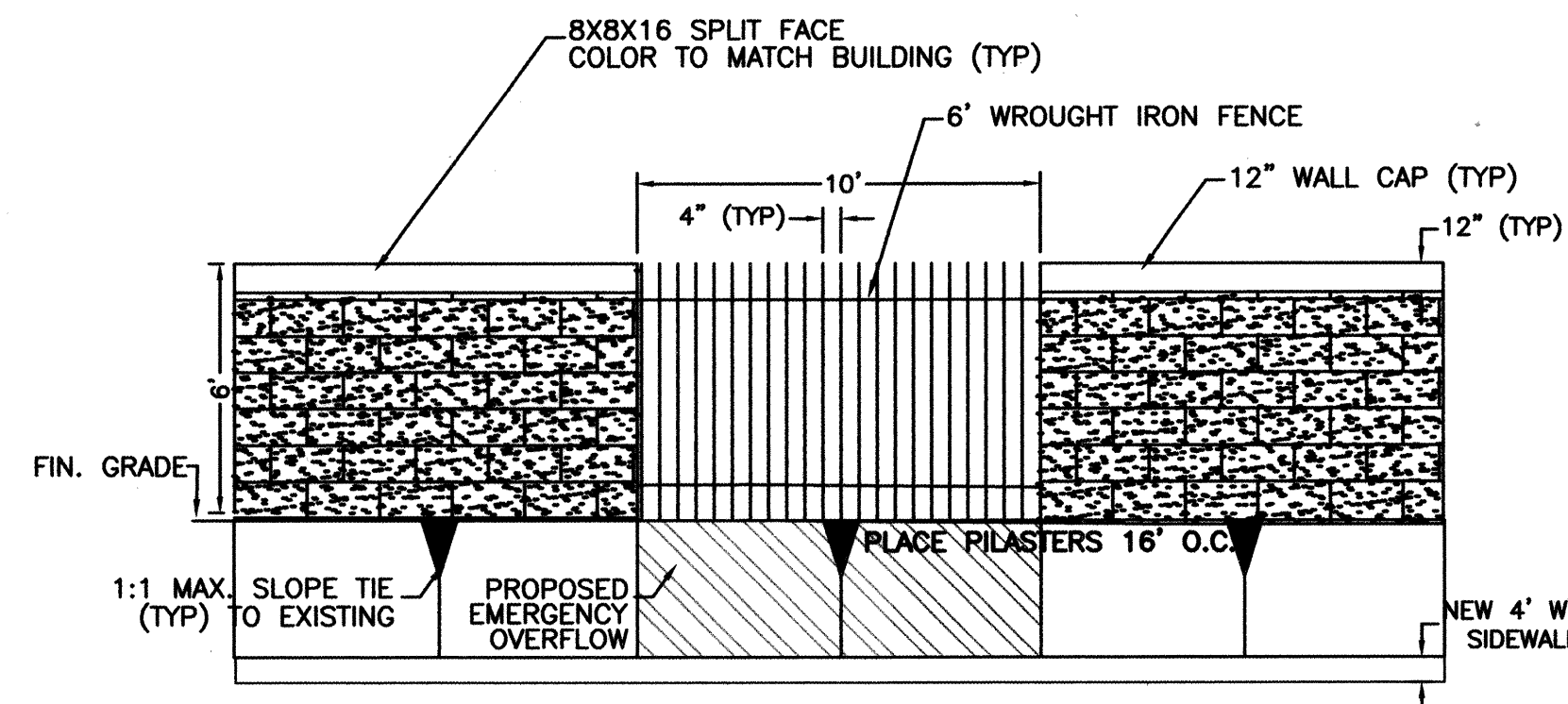
WHEELCHAIR RAMP DETAIL (TYP.)

NTS



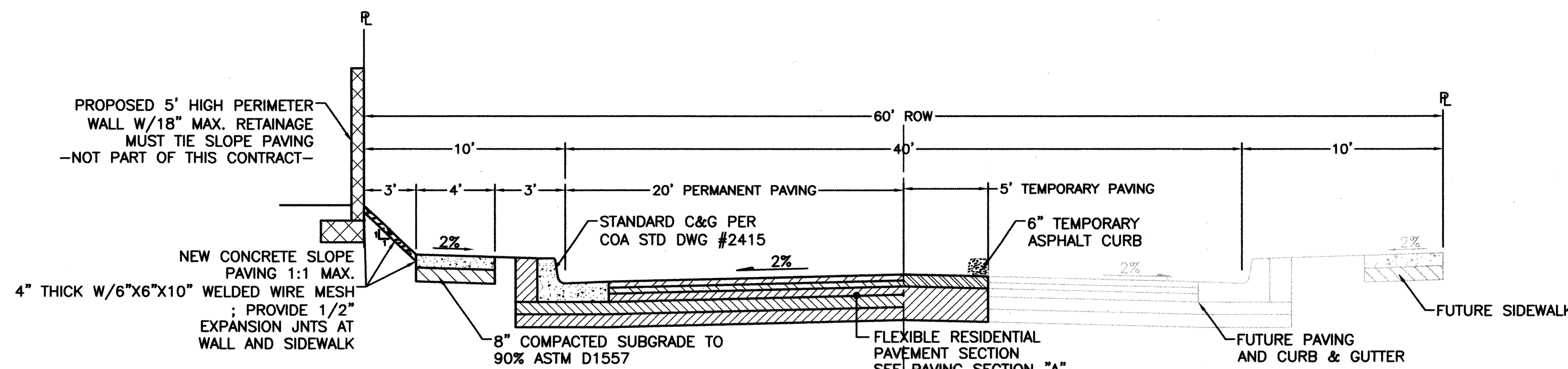
SECTION D-D

NTS



EMERGENCY OVERFLOW AT PERIMETER WALL DETAIL

NTS TO BE SUBMITTED WITH CWD WALL
* NOT PART OF THIS PROJECT

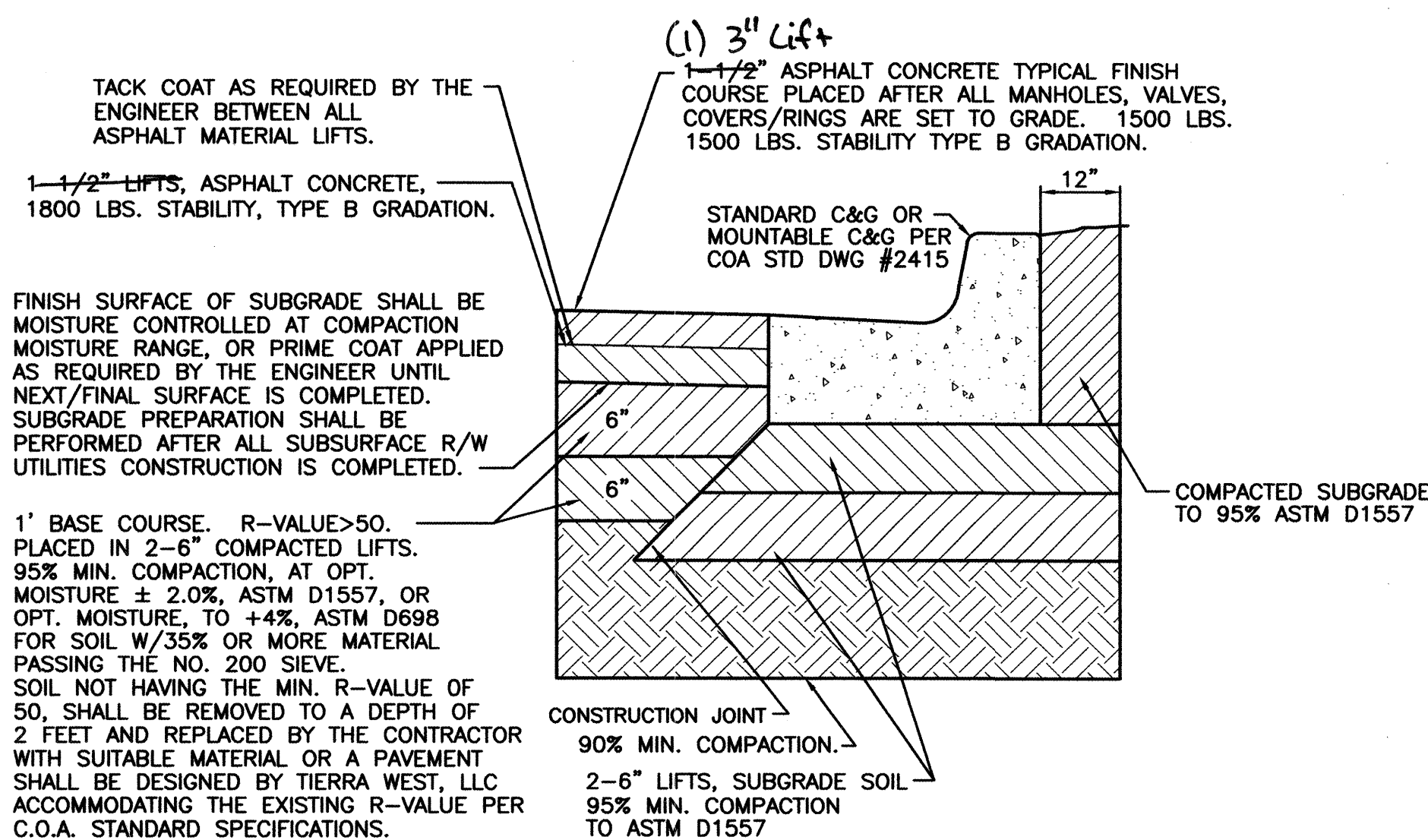
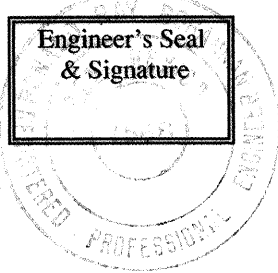


SECTION A-A

NTS

CERTIFICATE OF SUBSTANTIAL COMPLIANCE ON PLANS

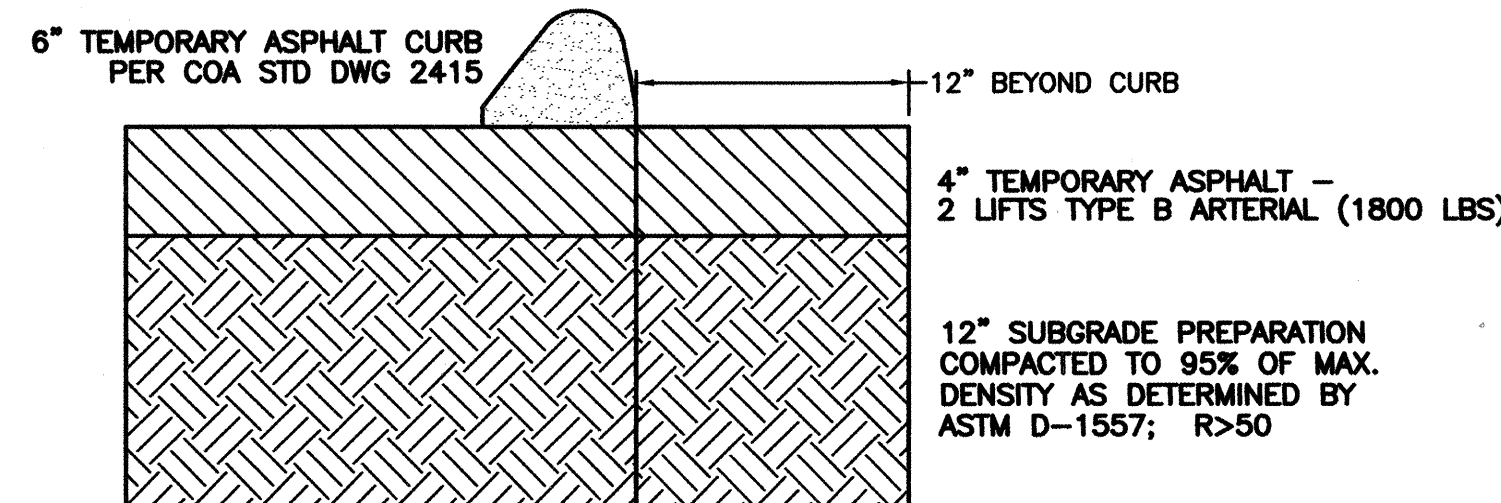
I, Ronald R. Bohannon, of the firm of Tierra West LLC, a Registered Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief, that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct 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 with survey information provided by Larry Medrano of Precision Surveys, NMFS # 11995.



SECTION "A"

RESIDENTIAL PAVING SECTION

NTS REFER TO C.O.A. PROJ.# 6555.81

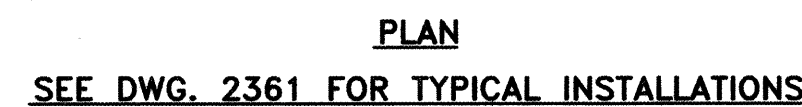


TEMPORARY PAVING SECTION

NTS

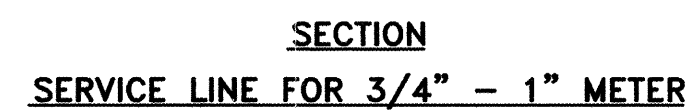
AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	ALBO ASPHALT	2003/4		STATION	"ACS 10-L9 1989"	DATE		NO.		BY					
WORK	PRECISION SURVEY	DATE 2003/4		DATE											
DESIGNED BY	COAT/TERRA WEST	DATE 2003/4		DATE											
FIELD ACCEPTANCE BY	COAT/TERRA WEST	DATE 2003/4		DATE											
DRAWINGS	TIERRA WEST	DATE 2003/4		DATE											
CORRECTED BY				DATE											
MICRO-FILM INFORMATION				DATE											
RECORDED BY				DATE											
NO.				DELTA	-00' 16' 58"										
				ELEV	5207.16										

TIERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: 94th STREET DETAILS SHEET	
DESIGN REVIEW COMMITTEE APPROVED AUG - 5 2003 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED SEP 30 2003 CITY ENGINEER
CITY PROJECT NO. 6962.81	ZONE MAP NO. L-9-Z
SHEET 7	OF 9

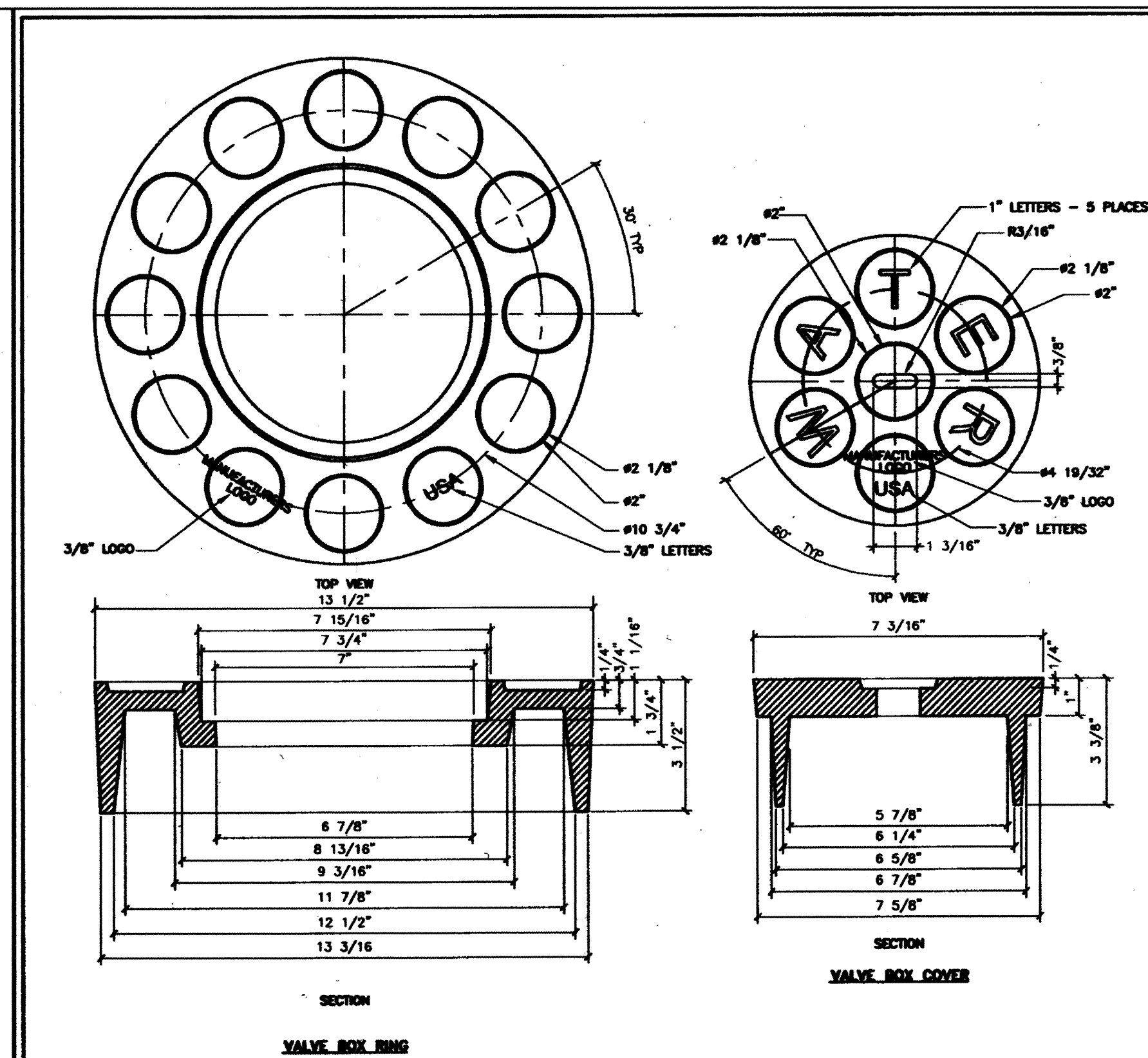


- 1 THE METER SHALL BE SET UTILIZING A COPPER-SETTER.
COPPER-SETTER HEIGHT 10" FOR 1" METER. 7" FOR
3/4" METER.
- 2 THE VALVE AND METER REGISTER BOX SHALL BE LOCATED
UNDER THE LID OPENING. WHERE TWO METERS ARE TO BE
INSTALLED IN A METER REGISTER BOX, THE METER REGISTERS
SHALL BE WITHIN READING RANGE OF THE LID OPENING.
- 3 METER BOX LOCATION TO CONFORM TO DWG. 2361.
- 4 WHEN CONTRACTOR DOES NOT INSTALL METER,
CONTRACTOR SHALL PROVIDE REMOVABLE PLUGS FOR
END OF COPPER-SETTER.
- 5 EXISTING CONCRETE TO BE SAWCUT.

- A STREET SURFACE.
- B BACK OF CURB.
- C CAST IRON METER BOX, COVER AND LID.
SEE DWG. 2368 OR 2369.
- D 1/2" EXPANSION JOINT.
- E CURB STOP, LOCATE INSIDE METER BOX.
- F SIDEWALK OR DRIVEPAD.
- G METER. TOP OF METER TO BE 12"—18" BELOW COVER.
- H CORP STOP.
- J MAIN WATER LINE.
- K TAPPING SADDLE.
- L COPPER SERVICE LINE.
- M COPPER SETTER.
- N TAILPIPE TO PROPERTY LINE WITH INSTA-TITE I.P.T.
CAPPED FITTING.
- Q CONCRETE PAD REQUIRED IN ALL AREAS.
- R #4 REBAR CONTINUOUS ALL AROUND METER BOX.
- S STABILIZER BAR. 12" LONG X 1/2" DIAMETER GALVANIZED
STEEL PIPE.
- T METER BOX LID SHALL BE FLUSH WITH SURROUNDING
SIDEWALK.



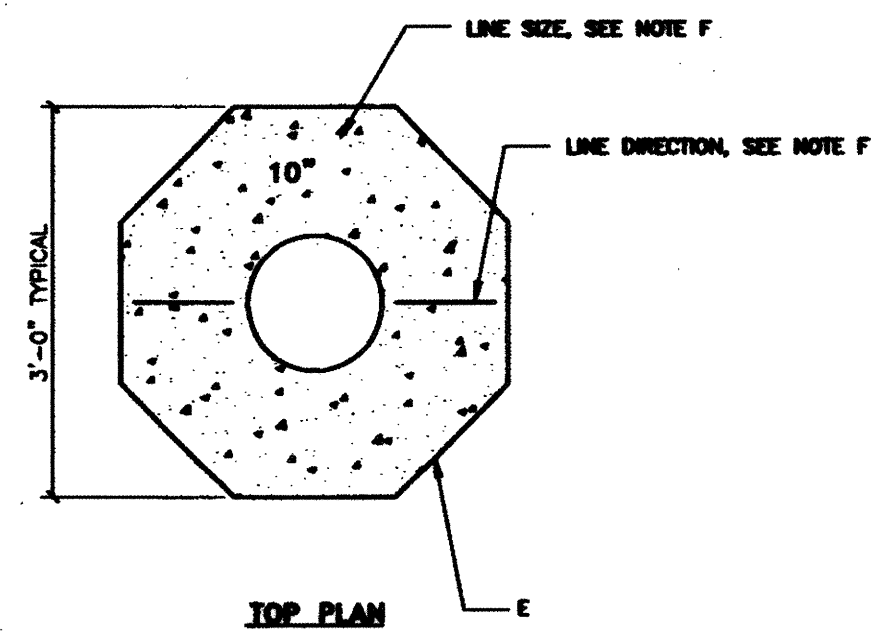
REVISIONS	CITY OF ALBUQUERQUE
	WATER 3/4" - 1" METERED SERVICE LINE INSTALLATION DWG. 2362 MAR 2001



- 1 ALBUQUERQUE VALVE BOX COVER DESIGNED TO FIT INTO AN ALBUQUERQUE VALVE BOX RING.
- 2 THE CASTING NUMBER, MANUFACTURER'S LOGO, DATE OF MANUFACTURE AND "USA" SHALL BE CAST IN A CONSPICUOUS LOCATION ON BOTH THE RING AND THE COVER.
- 3 FILLETS SHALL BE 1/4"R UNLESS OTHERWISE SPECIFIED.
- 4 A DRAFT ANGLE OF 3-5° SHALL BE APPLIED UNLESS OTHERWISE SPECIFIED.
- 5 FINISH: REMOVE EXCESS IRON AND FIN.

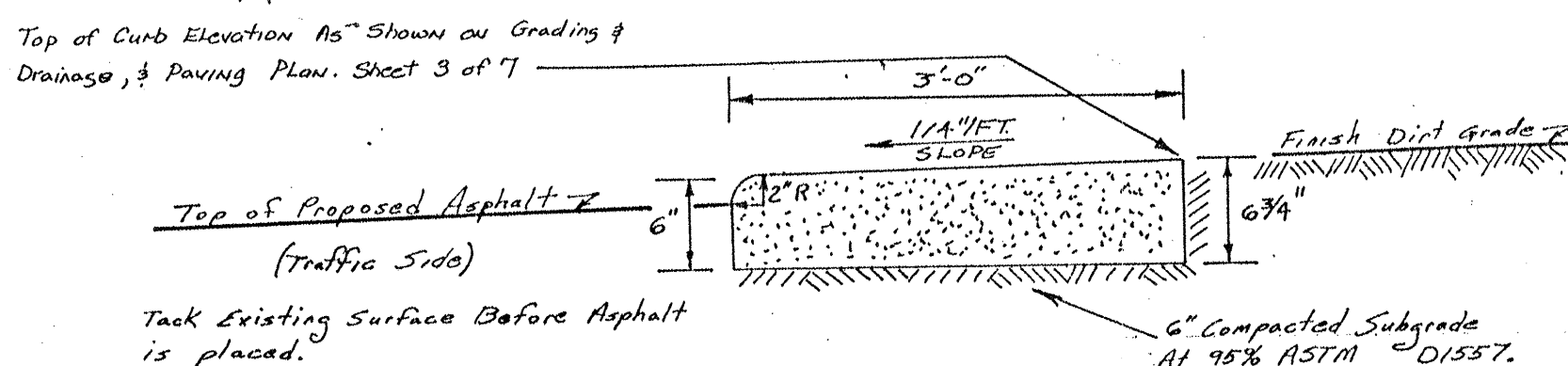
REVISIONS	CITY OF ALBUQUERQUE
	WATER RING AND COVER FOR VALVE BOX
	DWG. 2328 JANUARY 2002

ENGINEER'S SEAL			SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
			FIELD NOTES					
			NO.	BY	DATE		CONTRACTOR	ALBO ASPHALT 2003/4
							WORK STAGED BY	PRECISION SURVEY/DATE 2003/4
							ACCEPTANCE BY	COATERRA WEST/DATE 2003/4
							FIELD LOCATION BY	COATERRA WEST/DATE 2003/4
							DRAWINGS	TERRA WEST DATE 2003/4
							CORRECTED BY	
							<i>MICRO-FILM INFORMATION</i>	
							RECORDED BY	DATE
							NO.	
							ELEV=	5207.16 (NGVD1988)

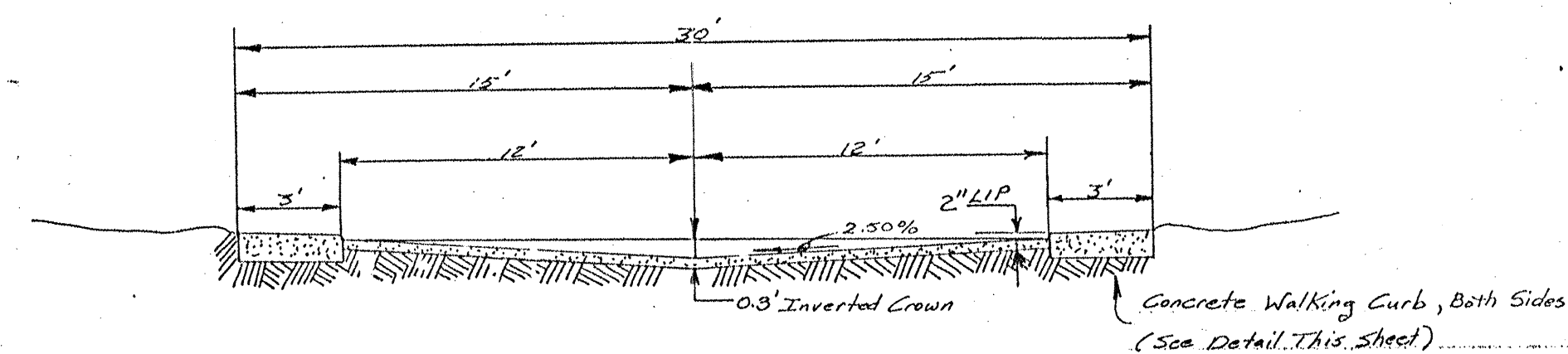


REVISIONS	CITY OF ALBUQUERQUE
	WATER
	VALVE BOX
	DWG. 2326 JANUARY 2002

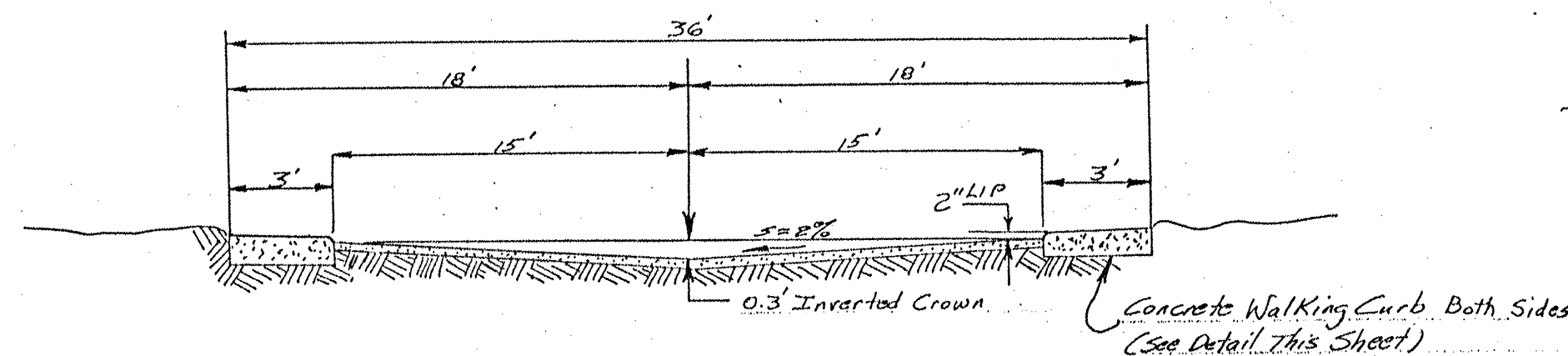
</			
--	--	--	--



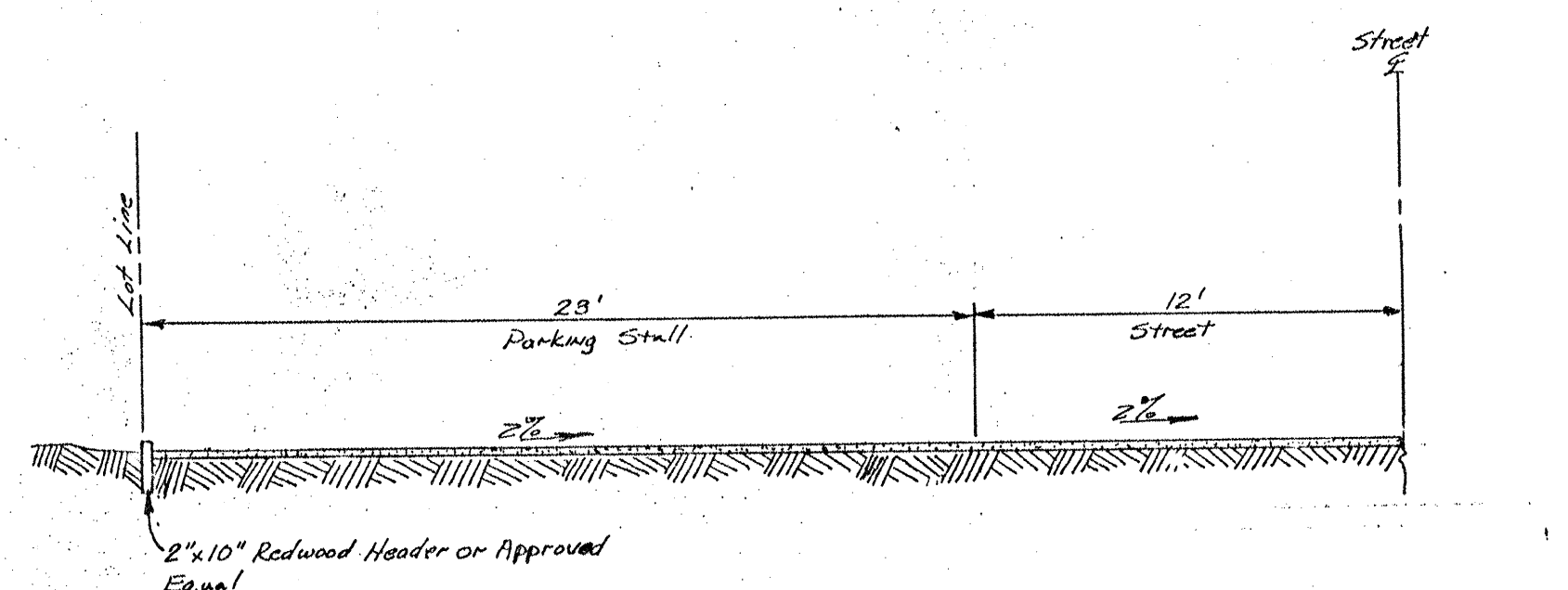
Not To Scale



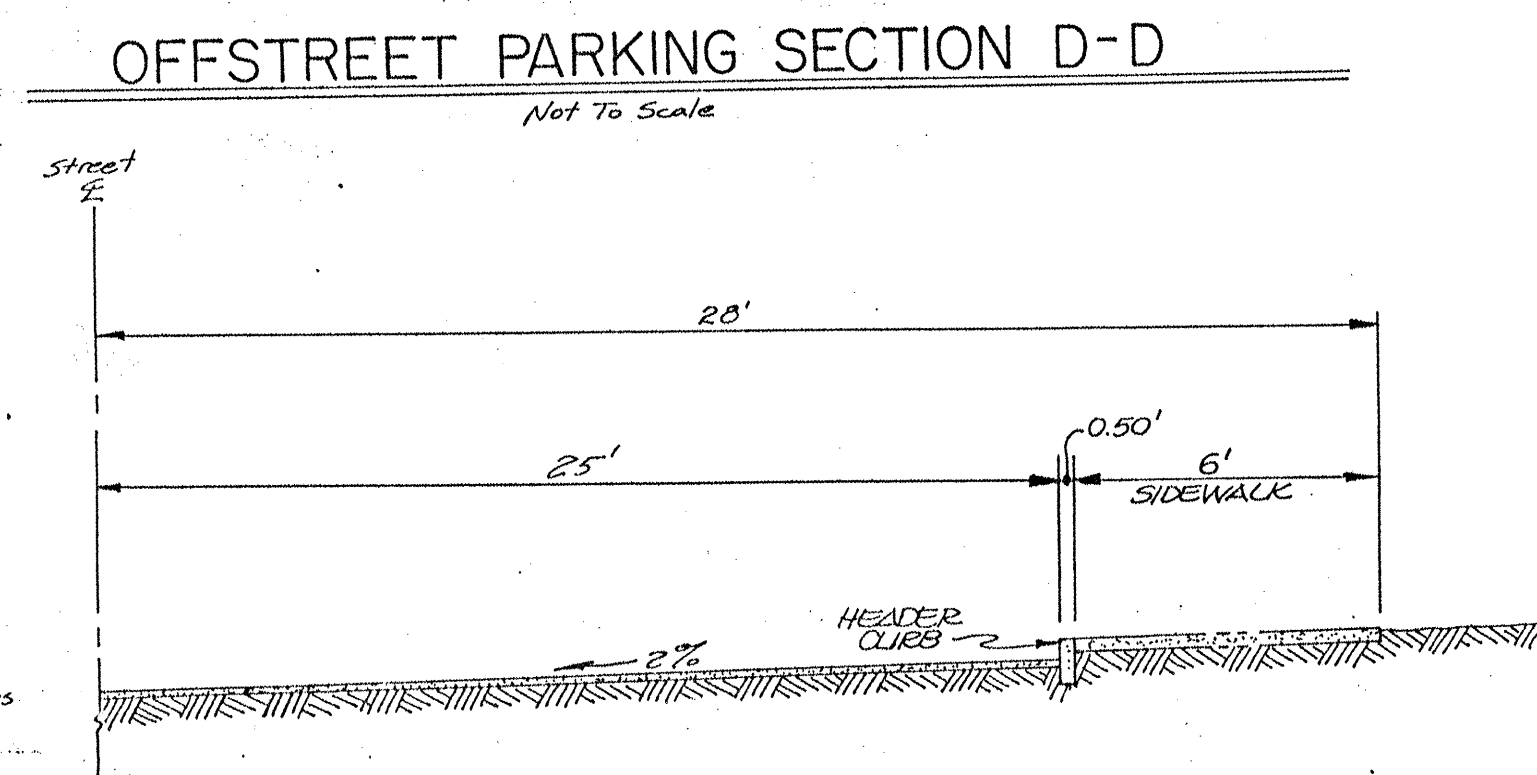
Not To Scale



Not To Scale

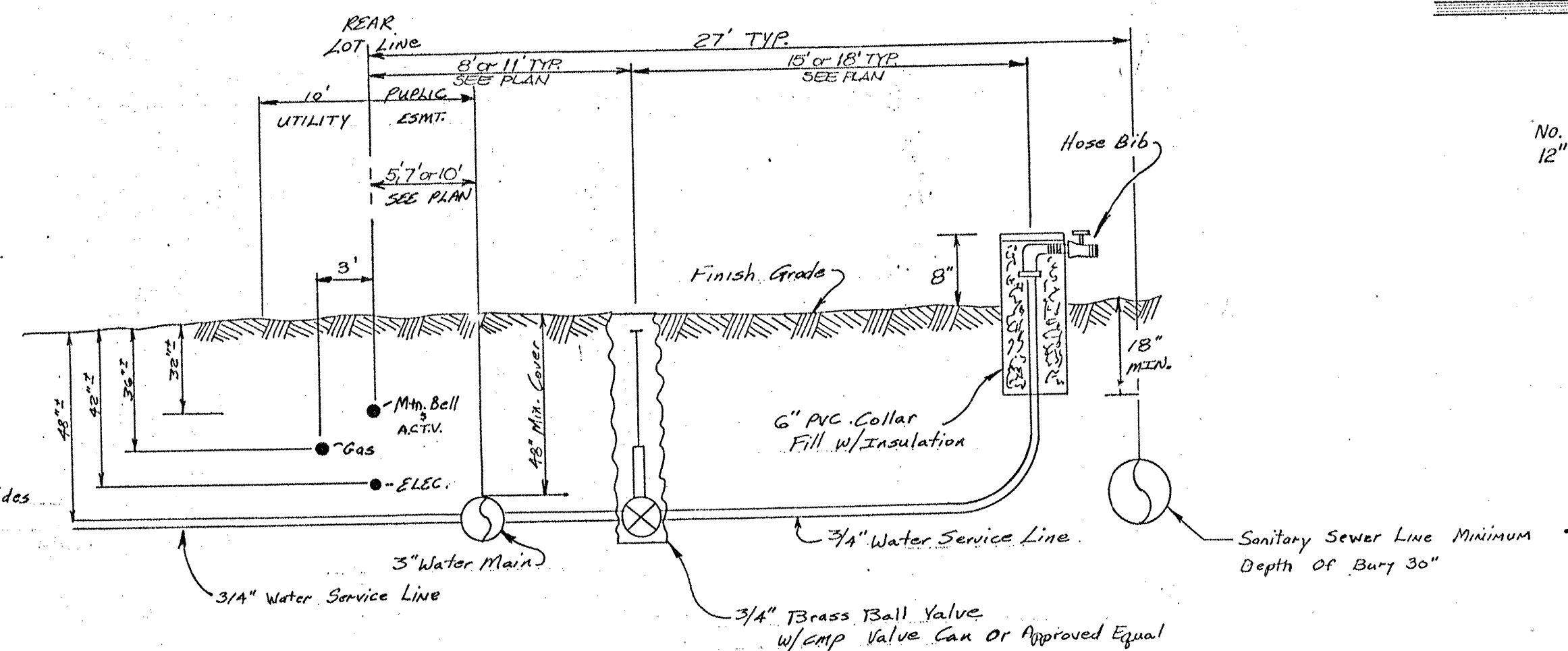


Not To Scale

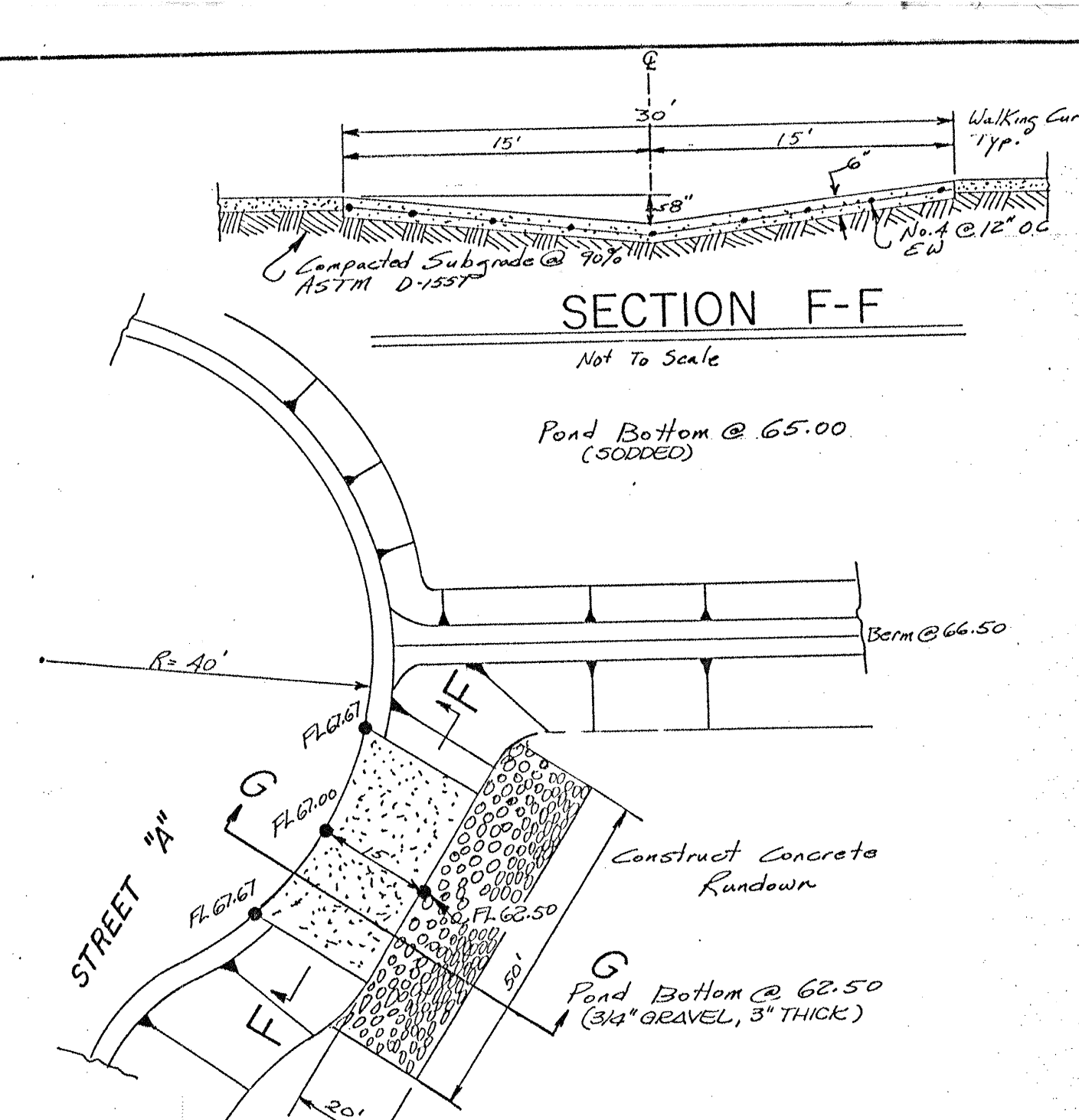


Not To Scale

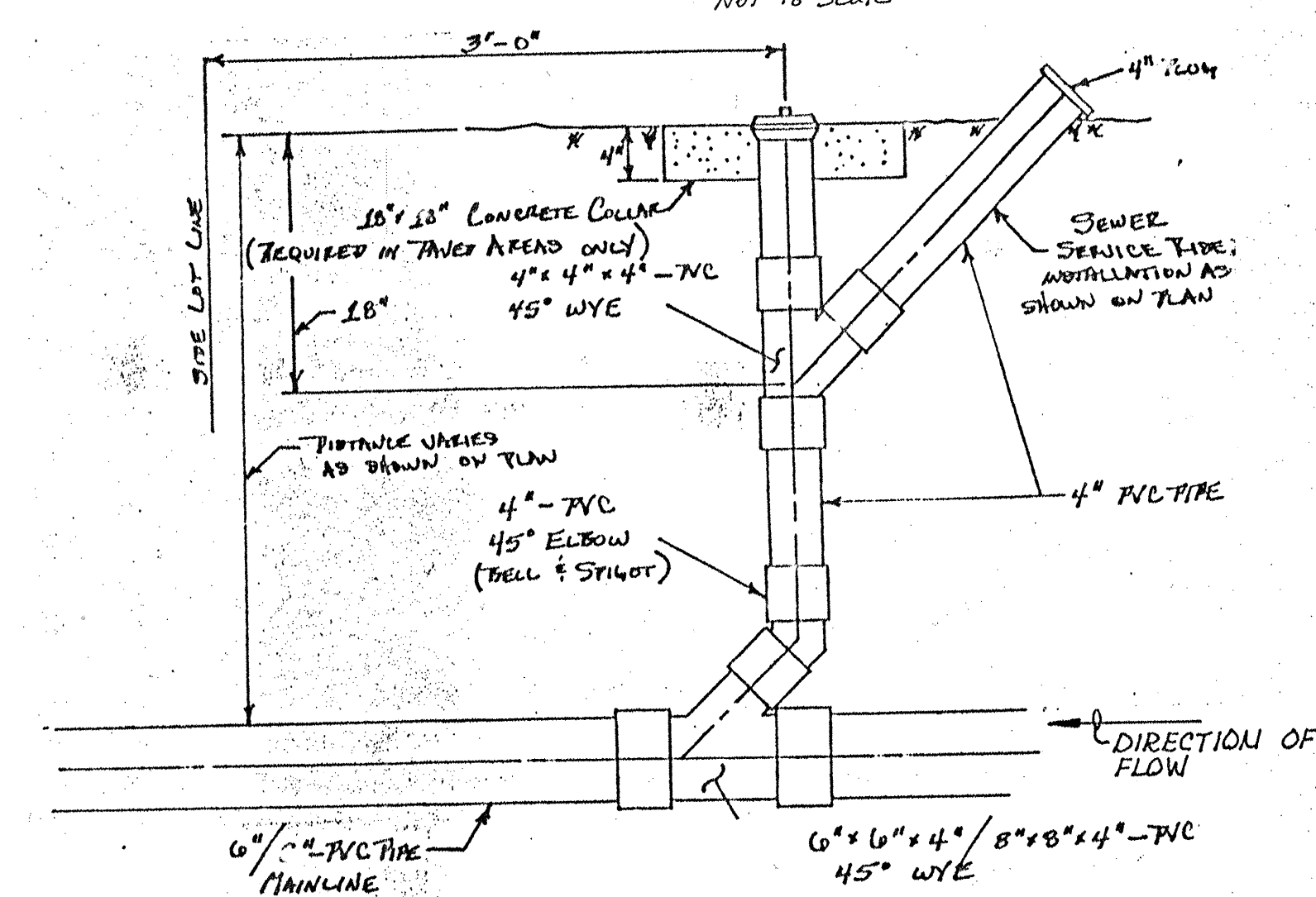
Not To Scale



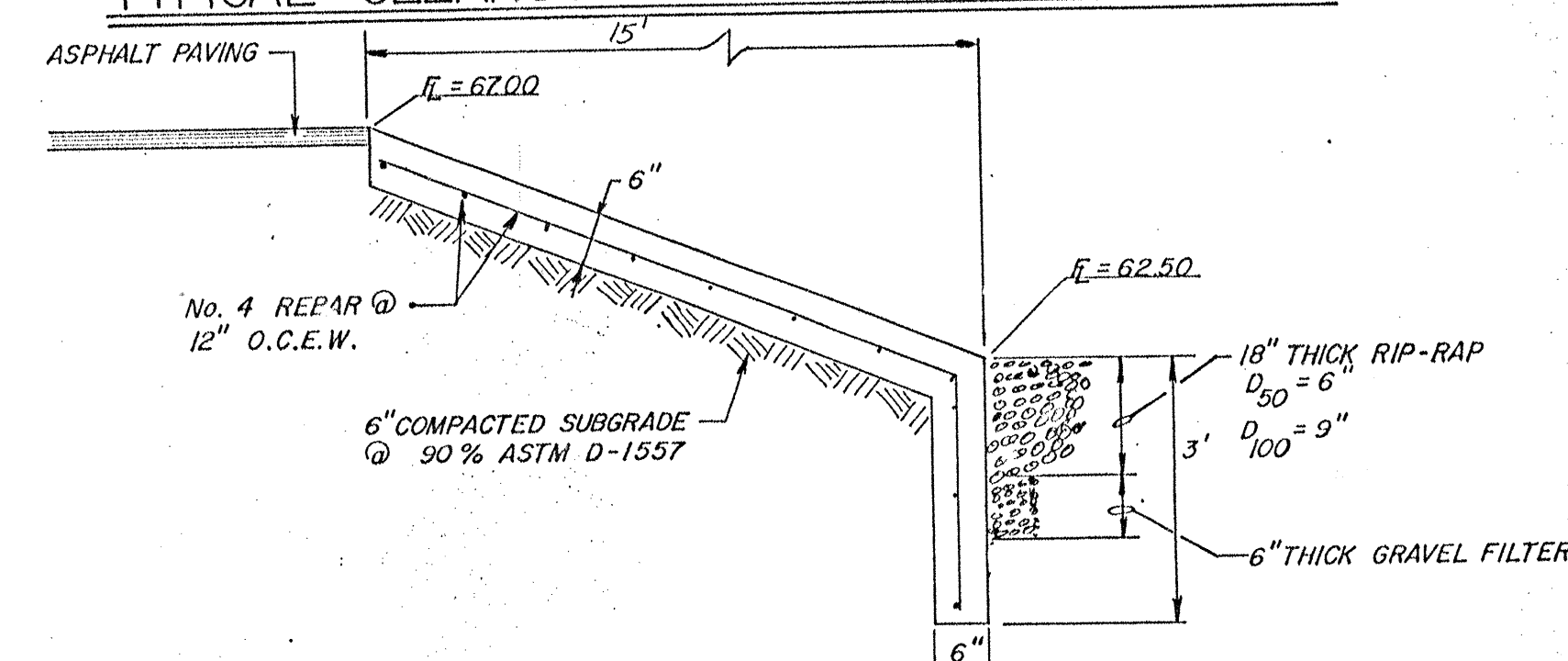
NOT To Scale



Not To Scale



ASPHALT PAVING —

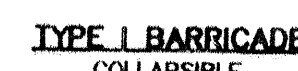
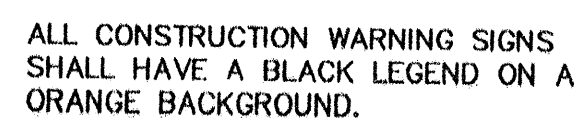


SCALE: 1" = 20'

SCANNED BY
VESA BEPRO

- TESTING NEW

- SIGN FACE DETAILS

 WORK AREA

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

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER 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

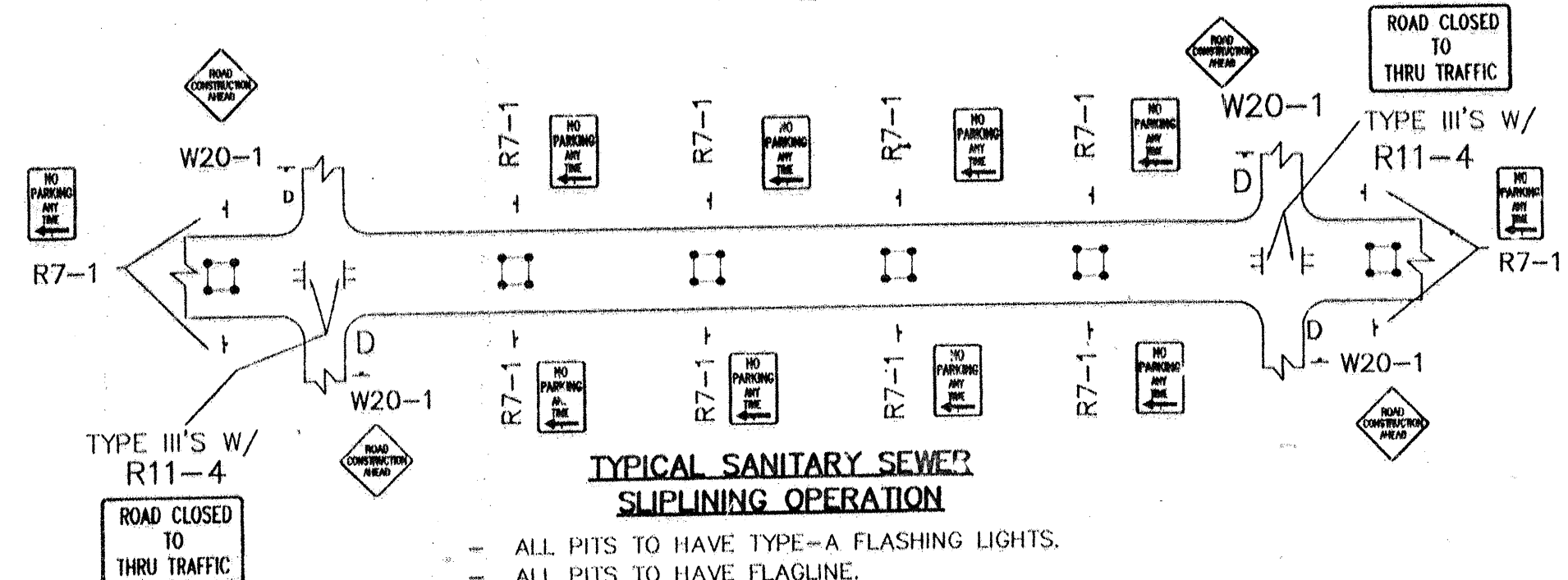
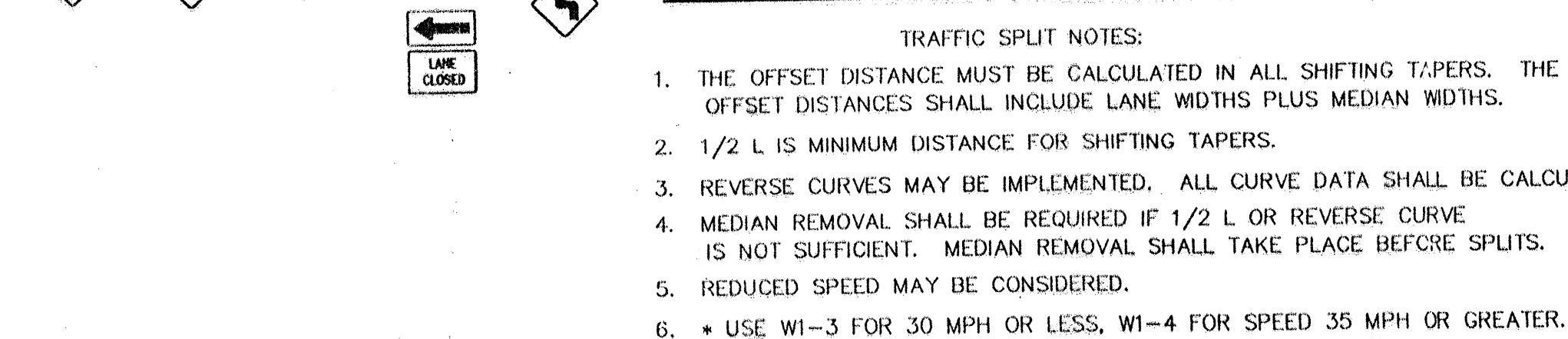
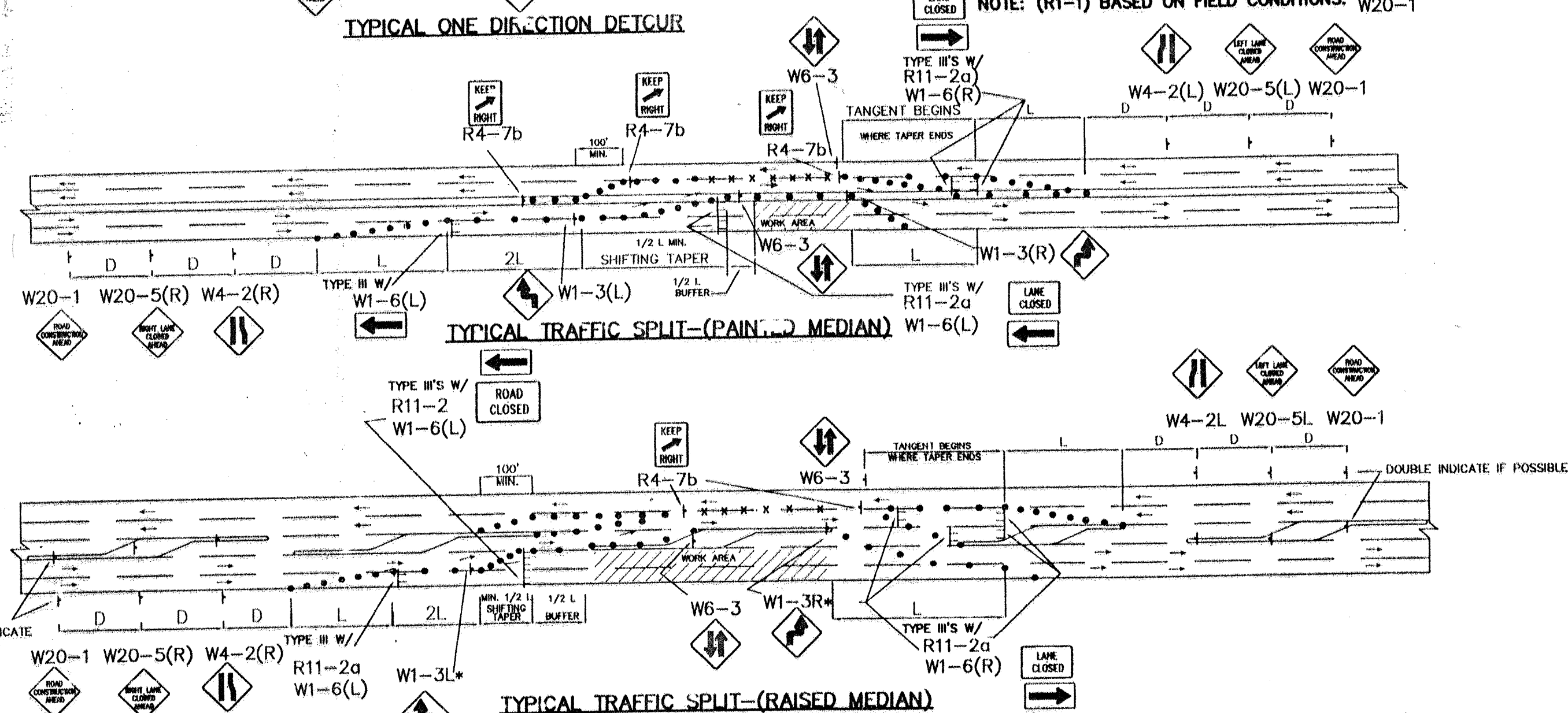
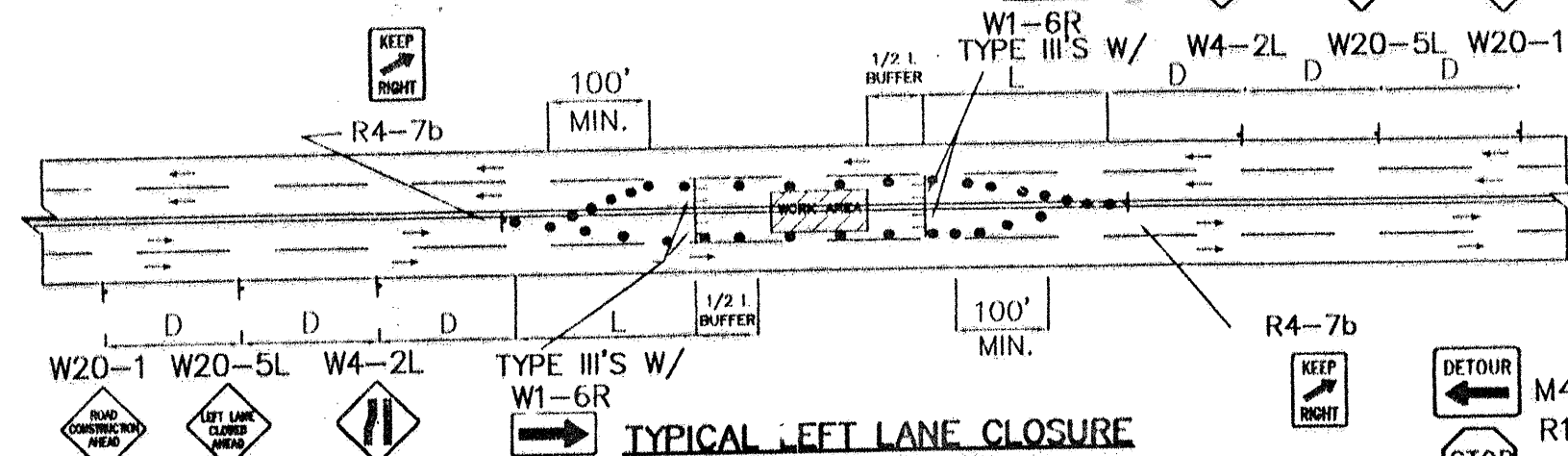
MILES PER HOUR	BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

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

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

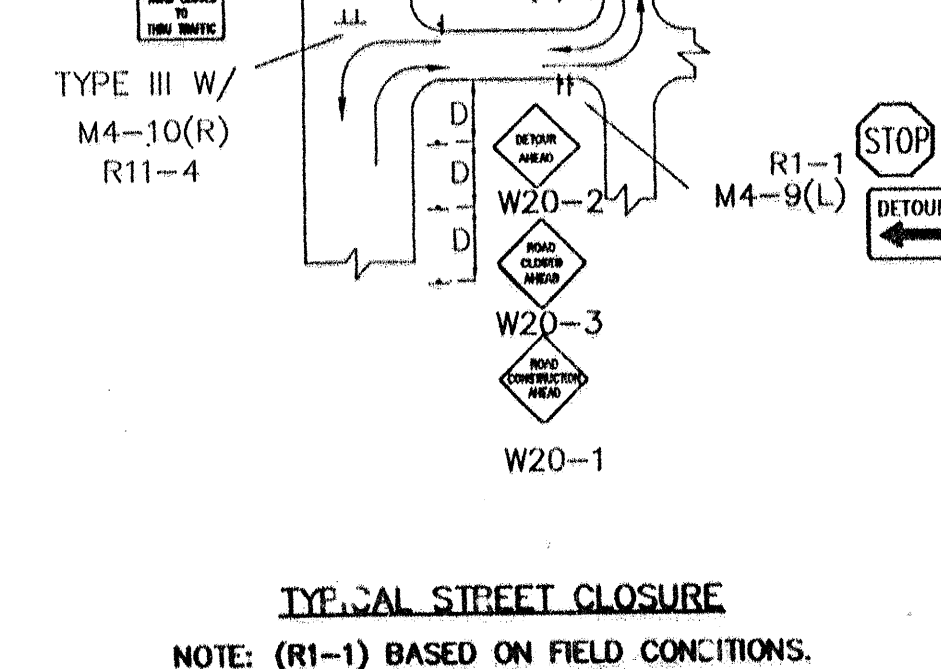
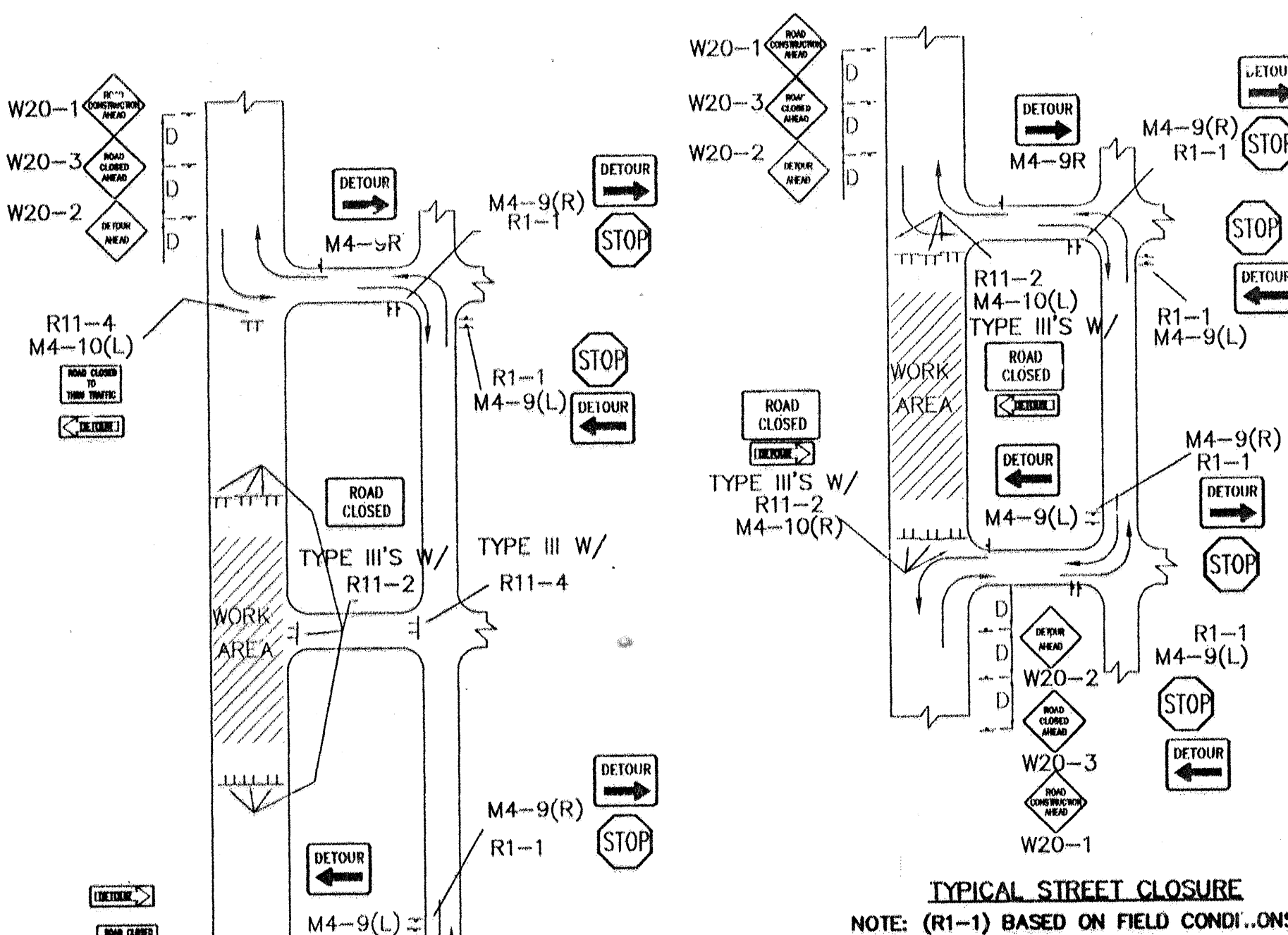
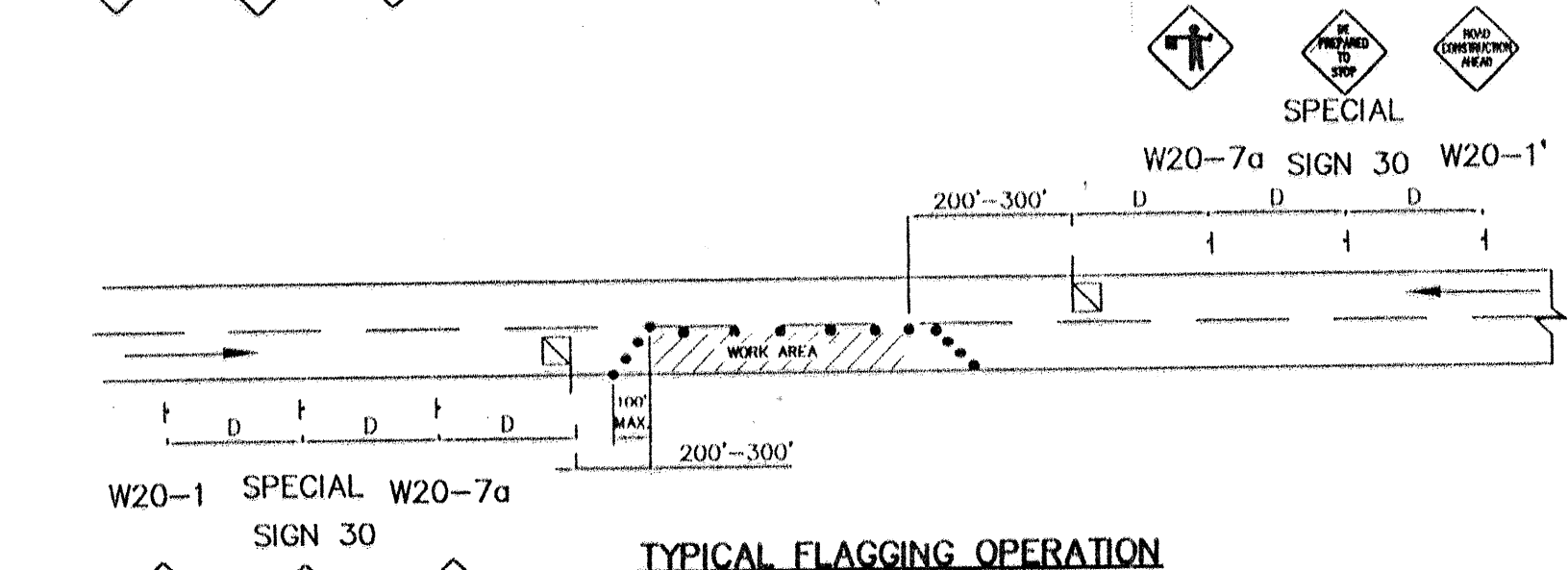
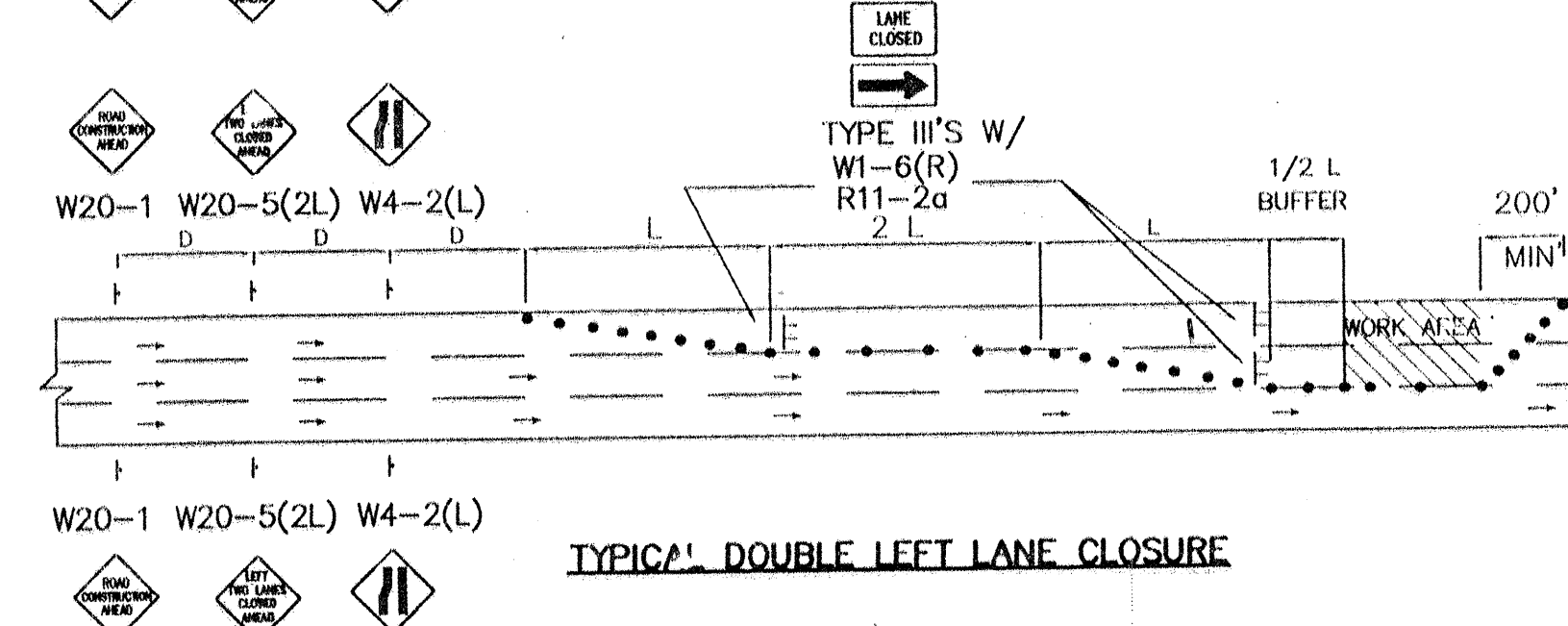
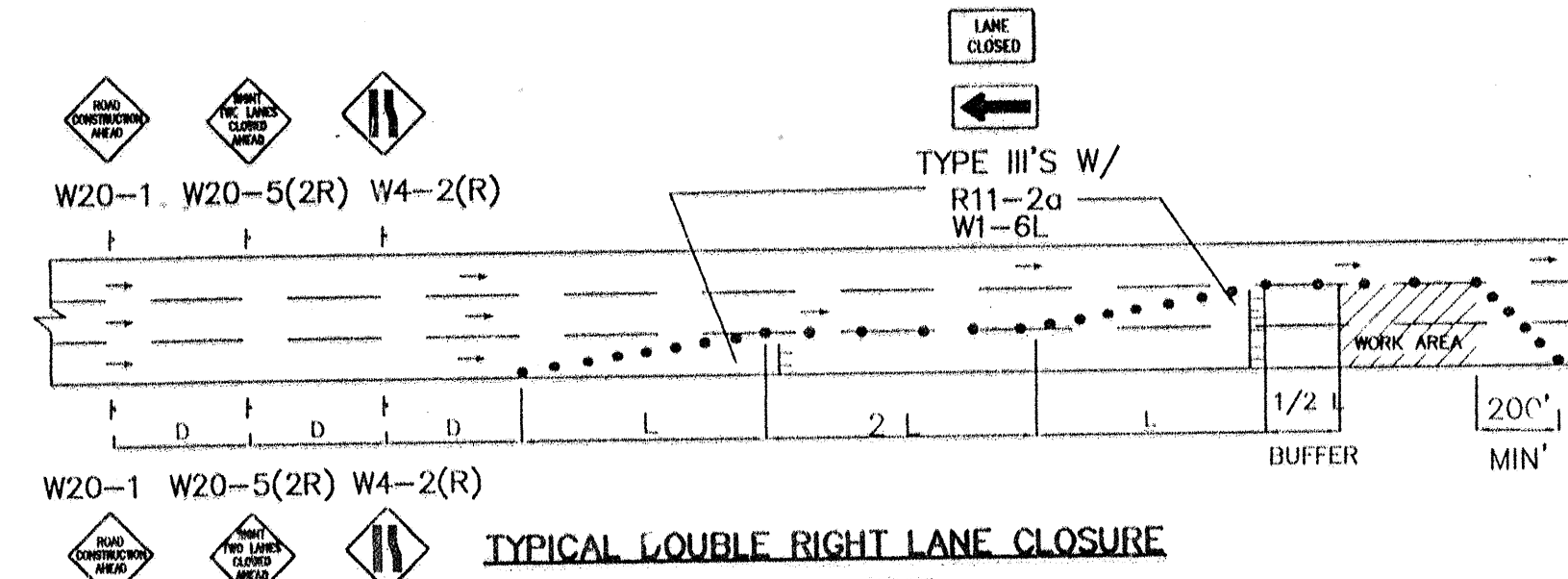
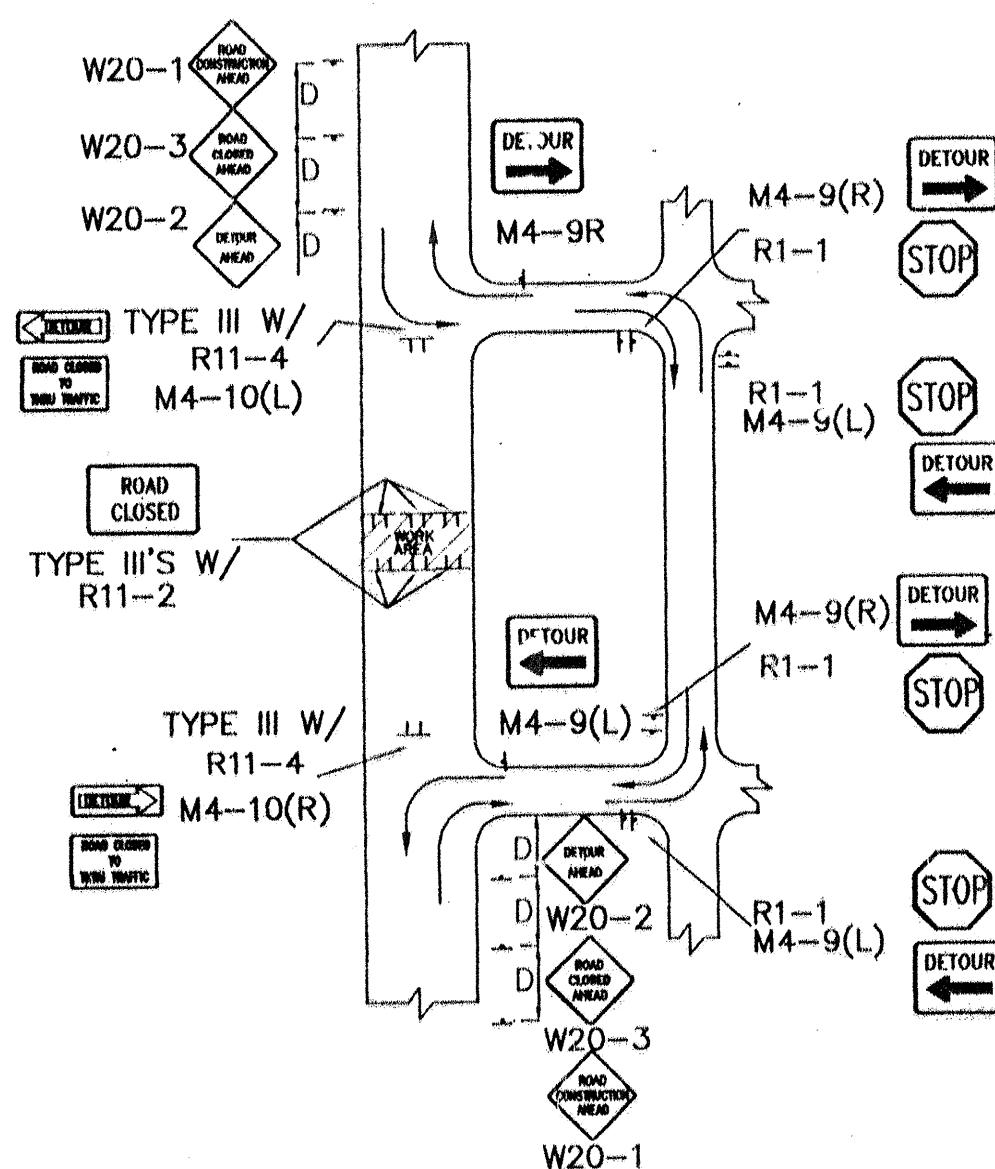
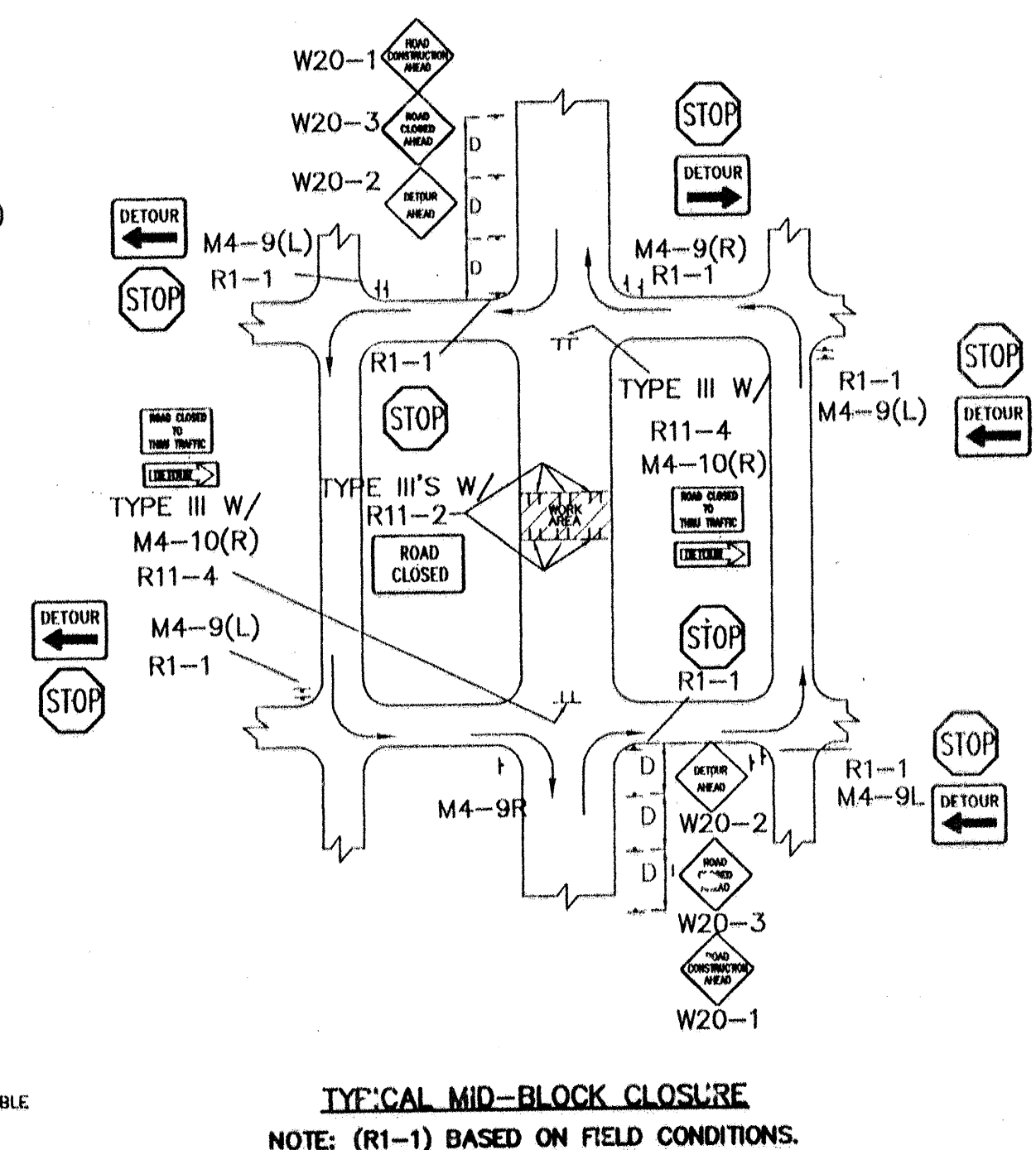
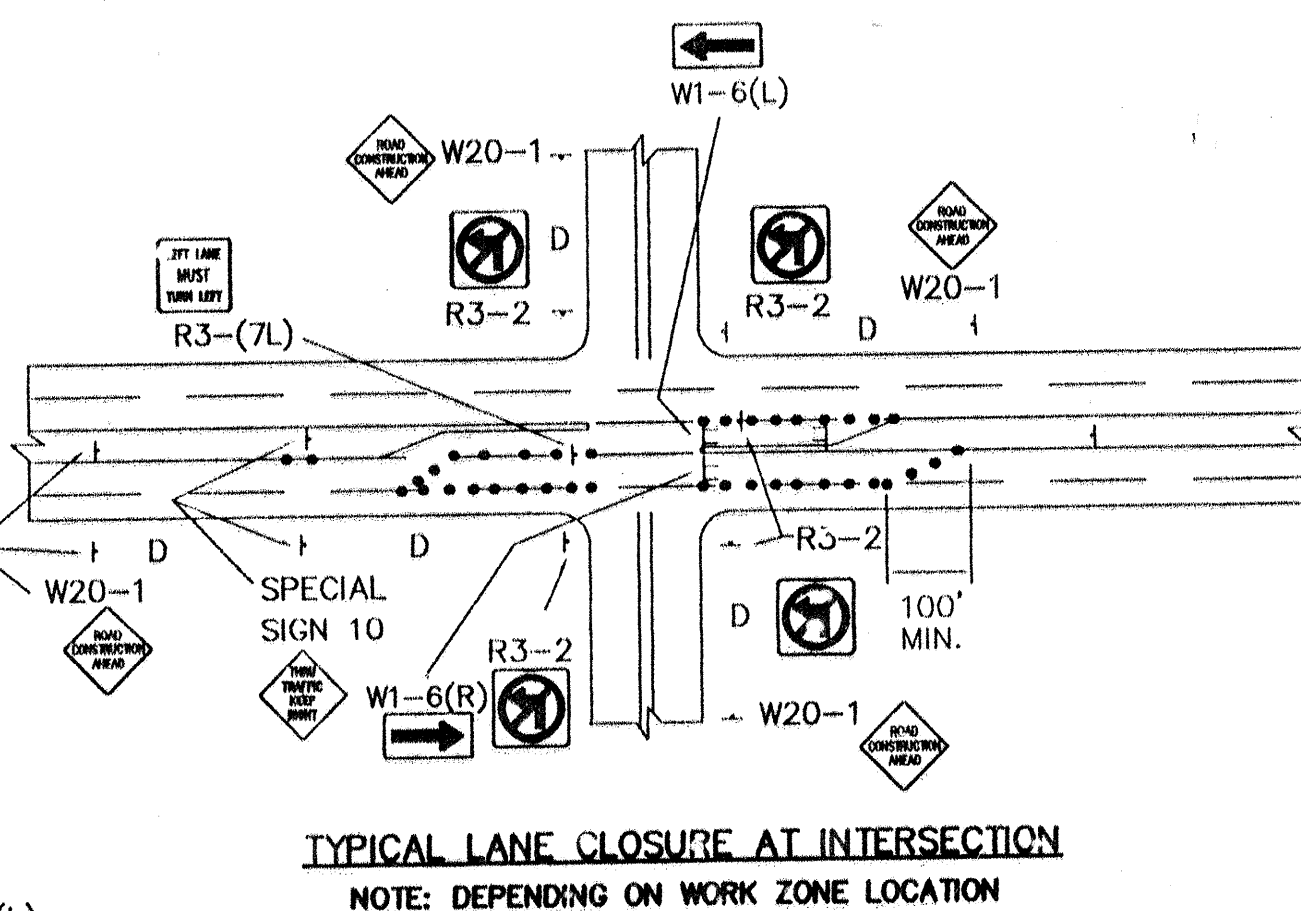
L = TAPER LENGTH
 W = WIDTH OF OFFSET IN FEET
 S = POSTED SPEED OR OFF-PEAK
 85-PERCENTILE SPEED IN MPH

CITY OF ALBUQUERQUE		2		8		8	
PUBLIC WORKS DEPARTMENT							
ENGINEERING DEVELOPMENT GROUP							
TITLE:							
SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS							
DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		MO./DAY/YR.		MO./DAY/YR.	
COA		STD		LAST UPDATE			
PROJECT NO.		MAP INFO.		SHEET		OF	
6962.81				8		9	



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

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

[illegible]