

CONSTRUCTION PLANS

FOR

SPANISH SUN SUBDIVISION

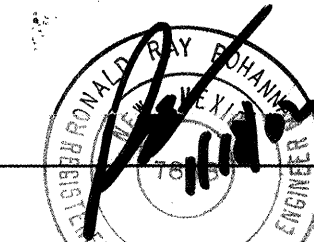
UTILITY & PAVING IMPROVEMENTS

CITY OF ALBUQUERQUE
NEW MEXICO
MAY 2000

FW

RECORD DRAWING

I, Ronald R. Bohannon, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "record drawing" was provided by Precision Surveys, Inc., Field Inspection or under my supervision and represents the "record" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

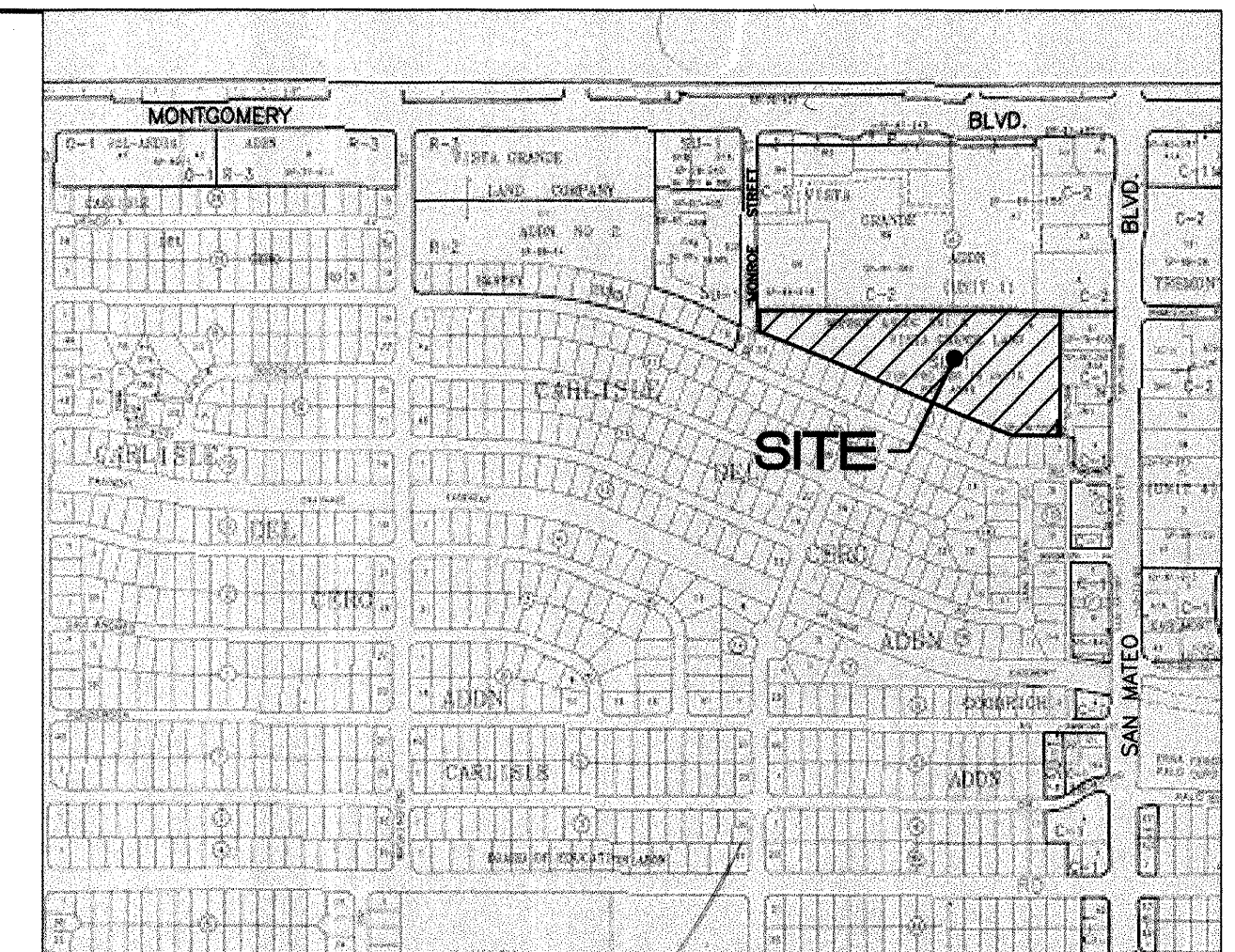


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| 4. GRADING AND DRAINAGE PLAN | 11. UTILITY IMPROVEMENTS
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SPANISH SUN AVENUE
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SUN COVE ROAD / RED SUN DRIVE | 14. TYPICAL TRAFFIC CONTROL
SIGNING EXAMPLES (REF. M.U.T.C.D.) |
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APPROVAL OF RECORD DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Edu Chang
DATE: 2/4/02

DRB # 1000325



VICINITY MAP ZONE ATLAS G-17-Z

SCALE NONE

NOTICE TO CONTRACTORS

1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 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. FIVE (5) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATIONS DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO(2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO STANDARD SPECIFICATIONS.

6. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKINGS BY THE CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET.

7. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE ENGINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. ANY PERMANENT SURVEY MONUMENT LOCATED WITHIN 50' OF THIS PROJECT THAT IS NOT SHOWN ON THE PLAN AND IS DESTROYED DURING CONSTRUCTION WILL BE REPLACED AT THE DESIGNER'S EXPENSE.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.

☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.

☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER.

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

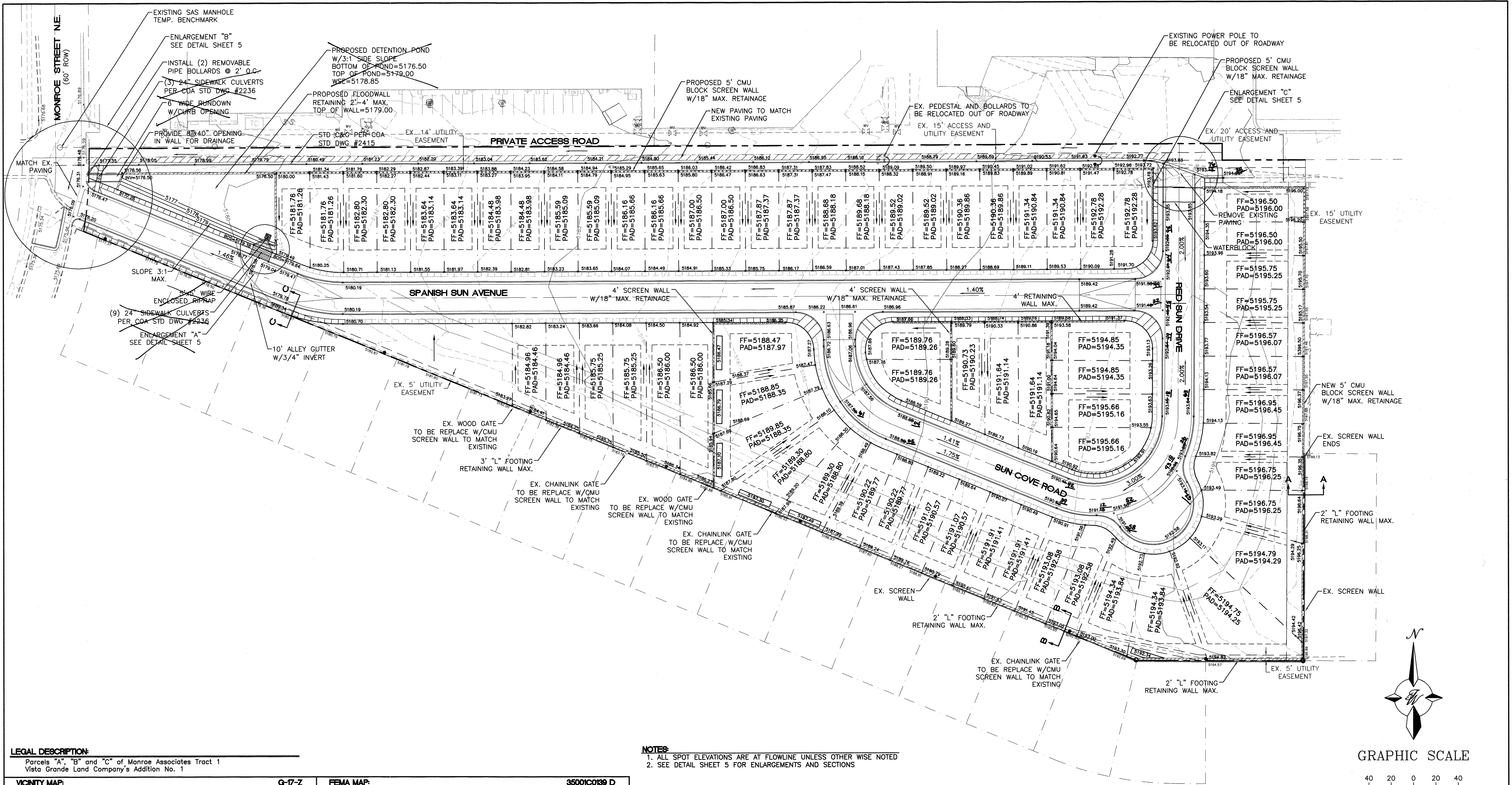
☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

☐ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.

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

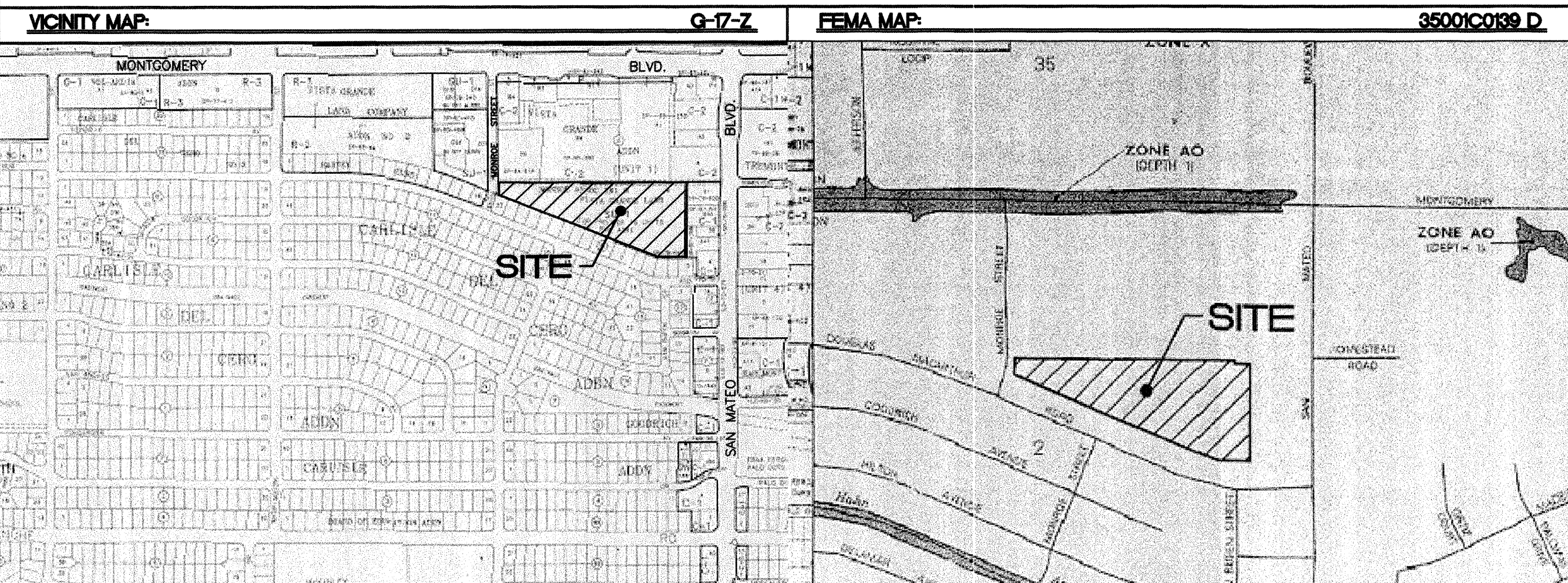
REV	SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
		DRC Chairman	<i>Edu Chang</i>	7-8-00	APPROVED FOR CONSTRUCTION		
		Transportation	<i>Edu Chang</i>	8-07-00			
		Water/Wastewater	<i>Bradley D. Bingham</i>	8-1-00			
		Hydrology	<i>Bradley D. Bingham</i>	8-1-00			
		C.I.P.	<i>Edu Chang</i>	8-7-00			
		Constr.	<i>Edu Chang</i>	8-7-00	<i>Paul J. Aguirre</i> 10/12/00 City Engineer Date		
		AMAFCA					
CITY PROJECT NO. /					SHEET		
642181					1 of 15		

SCANNED BY
MESA REPRO



LEGAL DESCRIPTION:

Parcels "A", "B" and "C" of Monroe Associates Tract 1
Vista Grande Land Company's Addition No. 1



NOTES:

1. ALL SPOT ELEVATIONS ARE AT FLOWLINE UNLESS OTHERWISE NOTED
2. SEE DETAIL SHEET 5 FOR ENLARGEMENTS AND SECTIONS

LEGEND

	EXISTING SAS MANHOLE
	EXISTING METER
	EXISTING VALVE W/BOX
	EXISTING FIRE HYDRANT
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING CURB & GUTTER
	EXISTING CONTOUR (MAJOR)
	EXISTING CONTOUR (MINOR)
	BOUNDARY LINE
	EASEMENT
	PROPOSED SIDEWALK
	PROPOSED RETAINING WALL
	PROPOSED SCREEN WALL

**EROSION CONTROL PLAN, NPDES PERMIT
AND POLLUTION PREVENTION NOTES**

1. CONTRACTOR IS RESPONSIBLE FOR OBTAINING A TOPSOIL DISTURBANCE PERMIT PRIOR TO BEGINNING WORK.
2. CONTRACTOR IS RESPONSIBLE FOR CLEANING ALL SEDIMENT OUT OF EXISTING RIGHT-OF-WAY.
3. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL STORM RUN OFF ON SITE.
4. REPAIR OF DAMAGED FACILITIES AND CLEAN-UP OF SEDIMENT ACCUMULATION ON ADJACENT PROPERTIES AND IN PUBLIC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. ALL EXPOSED EARTH SURFACES MUST BE PROTECTED FROM WIND AND WATER EROSION PRIOR TO FINAL ACCEPTANCE OF ANY PROJECT.
6. CONTRACTOR IS RESPONSIBLE FOR OBTAINING NPDES PERMIT FOR THE SITE

NOTE: FOR REFERENCE ONLY

ROUGH GRADING APPROVAL

DATE

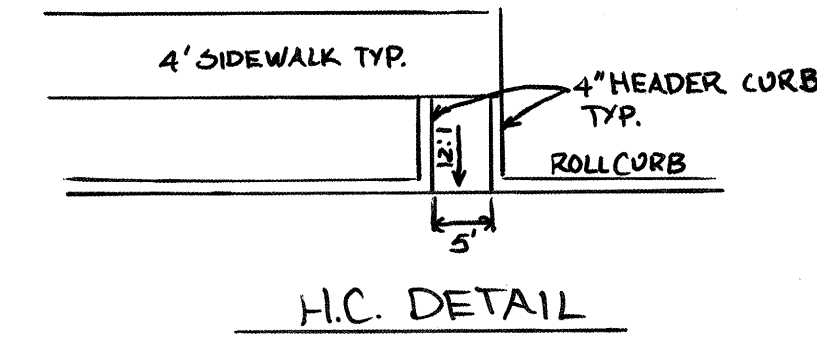
	SPANISH SUN SUBDIVISION	DRAWN BY BDG
	GRADING AND DRAINAGE PLAN	DATE 7-06-00
	TIERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	9943GR.DWG
		SHEET # 4 OF 15 JOB # 990043



1. ALL CONCRETE IS TO BE 4000 PSI @ 28 DAYS.
2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE $\pm 2.0\%$.
3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
4. ALL BARS ARE TO BE GRADE 60, ASTM 615.
5. TRUSS TYPE DIPS-O-WALLS EVERY OTHER COURSE.
6. DOWELS SHALL BE AT LEAST EQUAL IN SIZE AND SPACING TO V-BARS, SHALL PROJECT A MINIMUM OF 30 BAR DIA INTO THE FILLED BLOCK CORES, AND SHALL EXTEND TO THE TOP OF THE FORM.
7. PROVIDE KURF FOR 8" AND 12" WALLS WHERE H EXCEEDS 6'-0". USE EITHER EXPANSION JOINTS ON 20" CENTERS OR PILASTERS EVERY 16'.
8. #3 BARS TO BE USED ON WALLS EXCEEDING 2'-8" HEIGHT
9. X BARS TO BE USED ON WALLS EXCEEDING 2'-8" HEIGHT
10. #4 BARS TO BE USED ON WALLS SMALLER THAN 3'-4"
11. #4 BEAM, #4 WALL, #4 FLOOR, #4 F-4, #4 BARS
12. #4 BARS FOR WALLS UNDER 5'-4", 2-#5 BARS FOR WALLS OVER 5'-4".
13. FLOODWALL TO BE GRADED TO AN ELEVATION OF 5179.00.

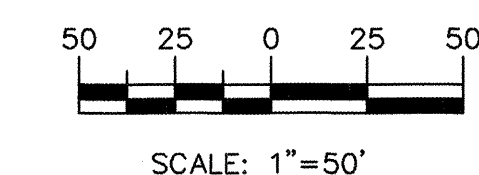
8 INCH REINFORCED CONCRETE MASONRY WALL							
H		X		B		T	
ft.-in.		ft.-in.		ft.-in.		in.	
				Y-BARS		X-BARS	
2'-0"	1'-1"	8"	2'-4"	9"	#3 @32" O.C.		
2'-8"	1'-9"	8"	2'-9"	9"	#4 @32" O.C.	#3 @27" O.C.	
3'-0"	2'-5"	8"	2'-4"	9"	#3 @32" O.C.	#3 @27" O.C.	
3'-8"	2'-11"	10"	3'-0"	9"	#3 @32" O.C.	#3 @27" O.C.	
4'-8"	3'-10"	12"	3'-4"	9"	#5 @32" O.C.	#3 @27" O.C.	
5'-4"	4'-6"	14"	3'-8"	10"	#4 @16" O.C.	#3 @30" O.C.	
6'-0"	5'-3"	16"	4'-2"	12"	#6 @24" O.C.	#4 @25" O.C.	

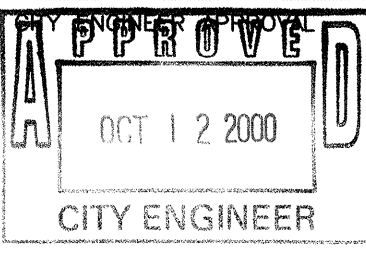
12 INCH REINFORCED CONCRETE MASONRY WALL								
H		X		B		T	Y-BARS	X-BARS
ft.-in.	ft.-in.	in.	ft.-in.	in.				
5'-4"	4'-8"	14"	3'-8"	10"	#4	②24"	O.C.	#3 ②35"
6'-0"	5'-4"	15"	4'-2"	12"	#4	①16"	O.C.	#3 ③0"
6'-8"	6'-0"	16"	4'-6"	12"	#6	②24"	O.C.	#4 ②26"
7'-4"	6'-8"	18"	4'-10"	12"	#5	①16"	O.C.	#5 ②6"
8'-0"	7'-4"	20"	5'-4"	12"	#7	②24"	O.C.	#5 ②1"
8'-8"	8'-0"	20"	5'-8"	12"	#7	①16"	O.C.	#5 ②21"

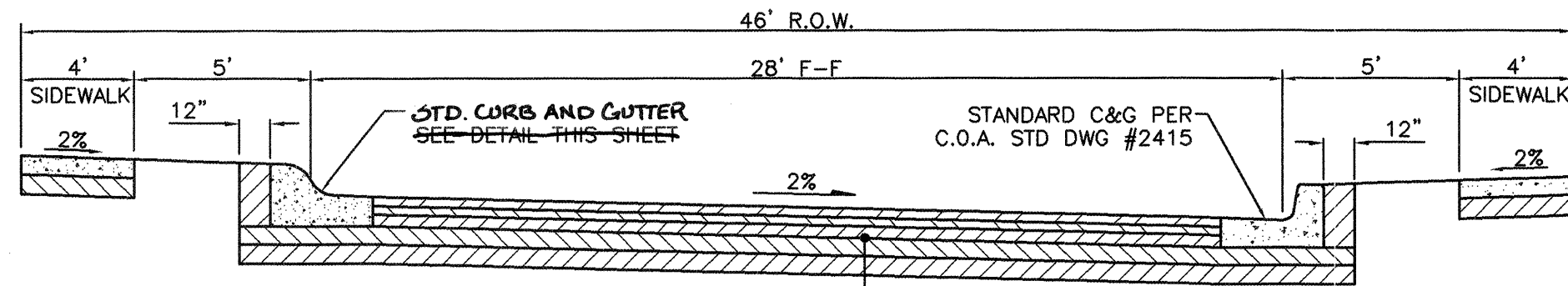
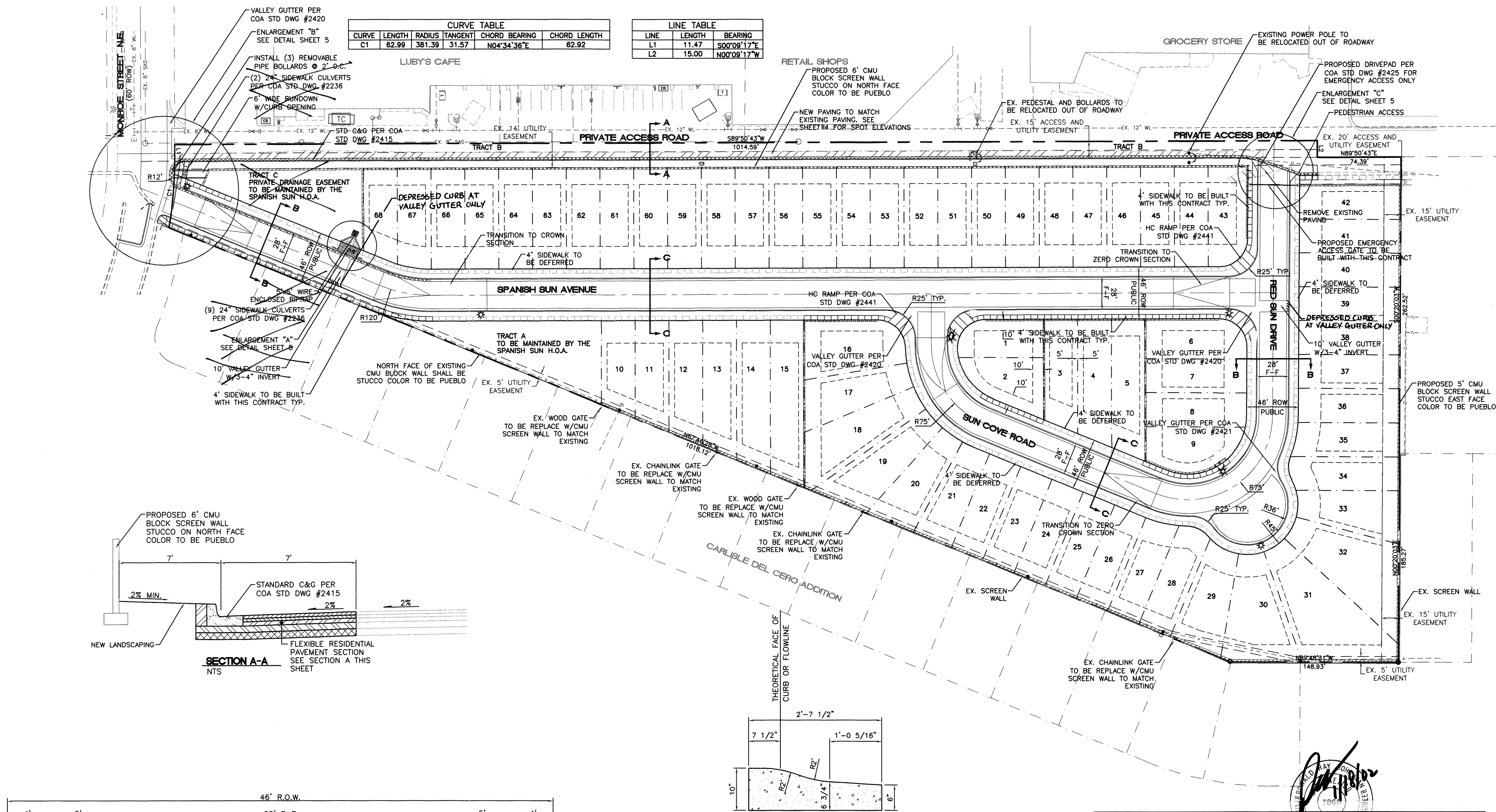


1. ALL CONCRETE IS TO BE 3000. PSI @ 28 DAYS.
2. MINIMUM COMPACTION UNDER FOOTINGS IS TO BE 95% PER ASTM. D 1557 FOR A DEPTH OF 12" MOISTURE CONTENT IS TO BE $\pm$ 2.0%.
3. BACK FILL AGAINST WALLS IS TO BE HAND-PLACED AND COMPACTED.
4. ALL BARS ARE TO BE GRADE 60, ASTM #15.
5. TRUSS TYPE: DUR-O-WALL EVERY OTHER COURSE.
6. USE EITHER EXPOSED JOINTS ON 20' CENTERS OR PILASTERS EVERY 12'.
7. 30 BAR DIAMETER LAPS TYPICAL.
8. DUR-O-WAL JOINTS: TOP REINFORCEMENT 16" O.C.
9. OPEN JOINTS: 16" O.C. TYPICAL AT FIRST COURSE.
10. OWNER TO SELECT MASONRY COLOR AND/OR FINISH
11. SOLID MASONRY GAP COURSE TYPICAL.
12. WATER PROOF WALL.

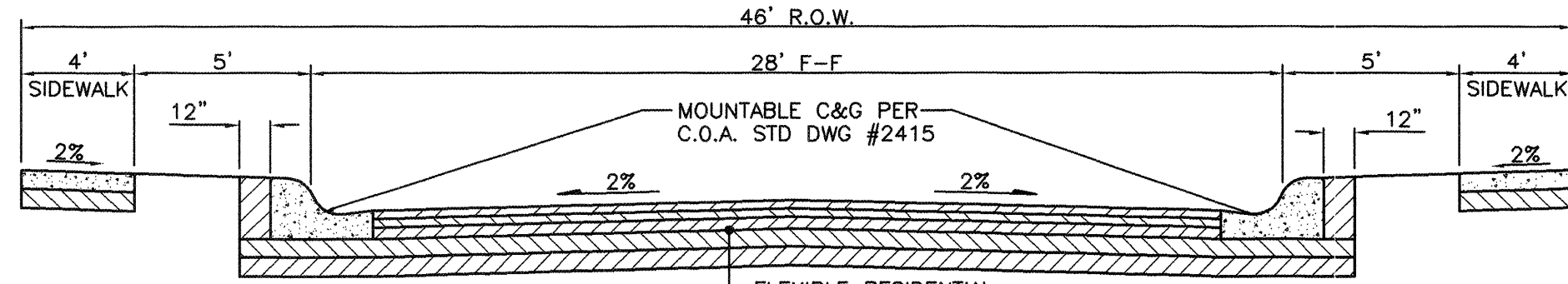
8 INCH REINFORCED CONCRETE MASONRY WALL (FOR RETAINING PORTION ONLY)							
H		B		T		Y-BARS	X-BARS
ft.-in.	ft.-in.	ft.-in.					
1'-4"	1'-9"	9"	#4	⊗ 24"	O.C.		
2'-0"	2'-0"	9"	#4	⊗ 24"	O.C.		
2'-8"	2'-6"	9"	#4	⊗ 24"	O.C.		
3'-4"	2'-9"	12"	#4	⊗ 16"	O.C.	#4	⊗ 16" O.C.
4'-0"	3'-3"	12"	#4	⊗ 16"	O.C.	#4	⊗ 16" O.C.
4'-8"	4'-0"	12"	#4	⊗ 16"	O.C.	#4	⊗ 16" O.C.
5'-4"	5'-0"	12"	#4	⊗ 8"	O.C.	#4	⊗ 8" O.C.
6'-0"	5'-6"	12"	#4	⊗ 8"	O.C.	#4	⊗ 8" O.C.



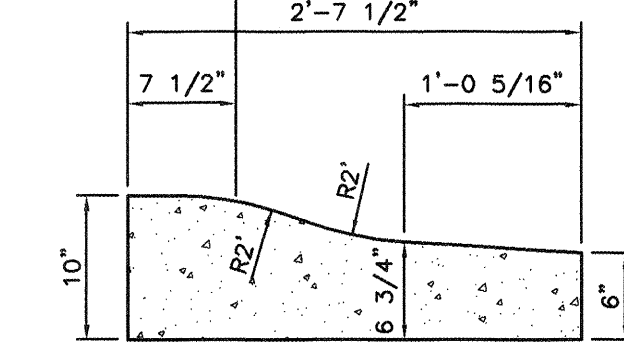
 TIERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100					DATE	DESIGNED BY												
					NO.	DRAWN BY												
						DRAWN NAME												
						CHECKED BY												
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP																		
TITLE: <i>SPANISH SUN SUBDIVISION</i> <i>DETAILS</i>																		
DESIGN REVIEW COMMITTEE 		CITY ENGINEER APPROVAL 		LAST DESIGN UPDATE <table border="1"> <thead> <tr> <th>MO./DAY/YR.</th> <th>MO./DAY/YR.</th> </tr> </thead> <tbody> <tr><td> </td><td> </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> </tbody> </table>			MO./DAY/YR.	MO./DAY/YR.										
MO./DAY/YR.	MO./DAY/YR.																	
CITY PROJECT NO. 642181		ZONE MAP NO. G-17-Z		SHEET 5 OF 15														



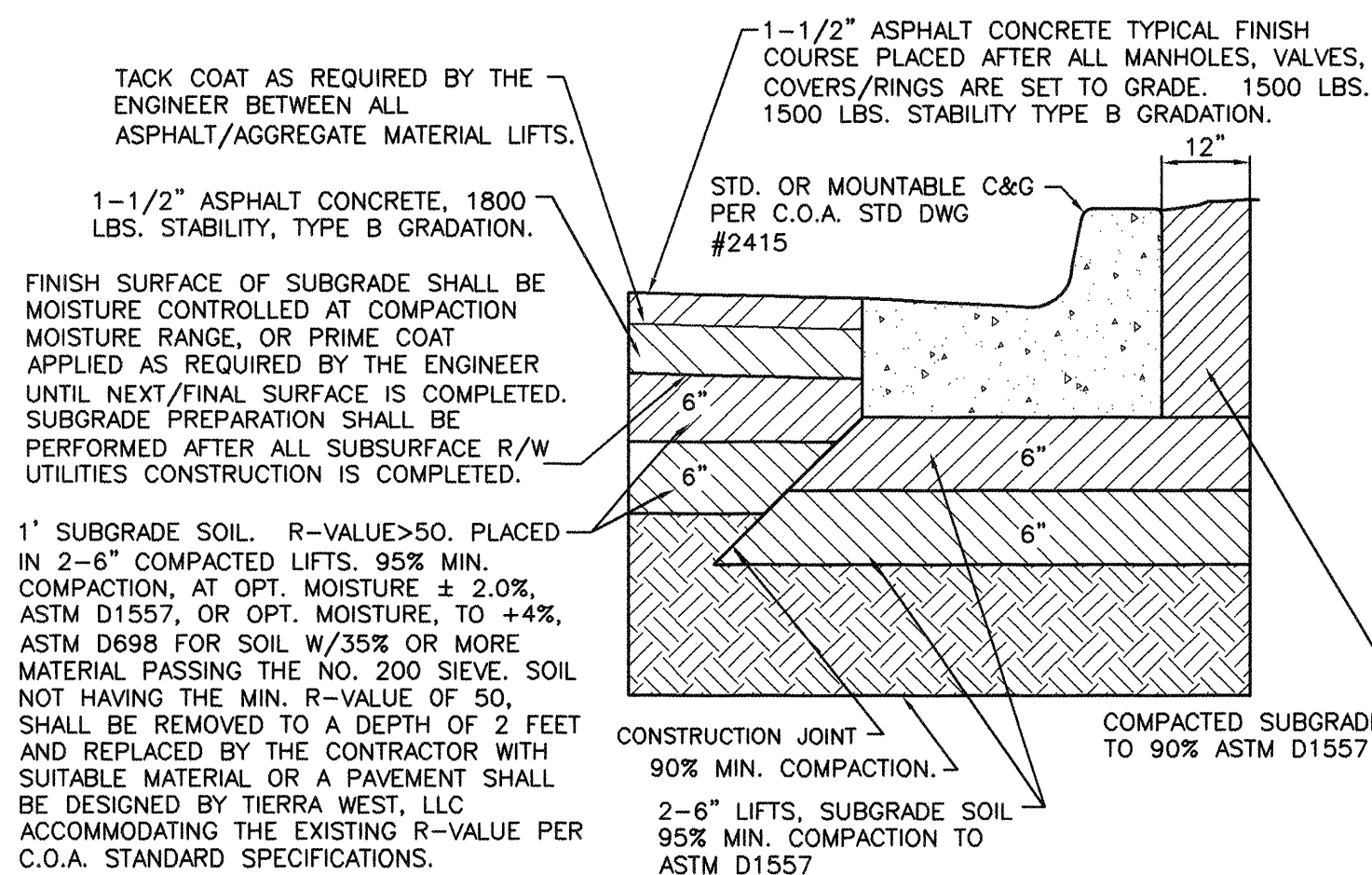
SECTION B-B NTS
FLEXIBLE RESIDENTIAL PAVEMENT SECTION. SEE SECTION A THIS SHEET



SECTION C-C NTS
FLEXIBLE RESIDENTIAL PAVEMENT SECTION. SEE SECTION B THIS SHEET



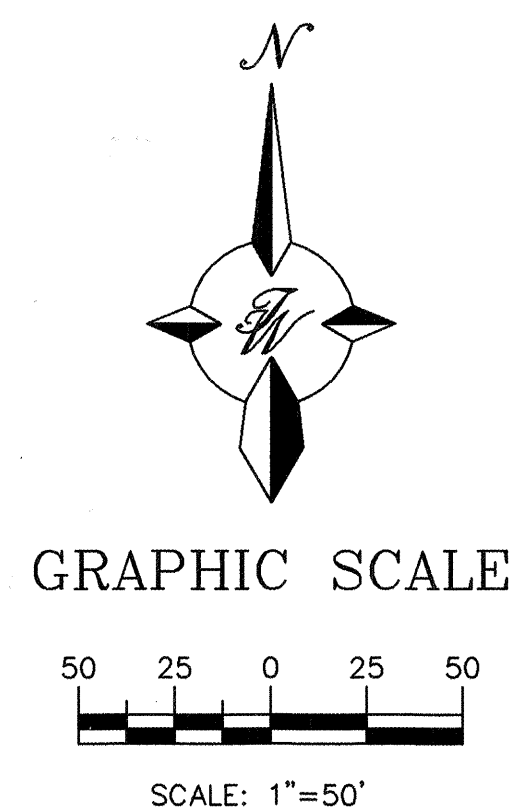
MOUNTABLE DEPRESSED CURB NTS



PAVING SECTION A NTS

RECORD DRAWING
I, Ronald R. Bohannon, Registered Professional Engineer in the State of New Mexico, do hereby certify that this "record drawing" was provided by Precision Surveys, Inc., Field Inspection or under my supervision and represents the "record" conditions of this project, and is true and correct to the best of my knowledge and belief. All vertical and horizontal dimensions should be field verified prior to use on future projects.

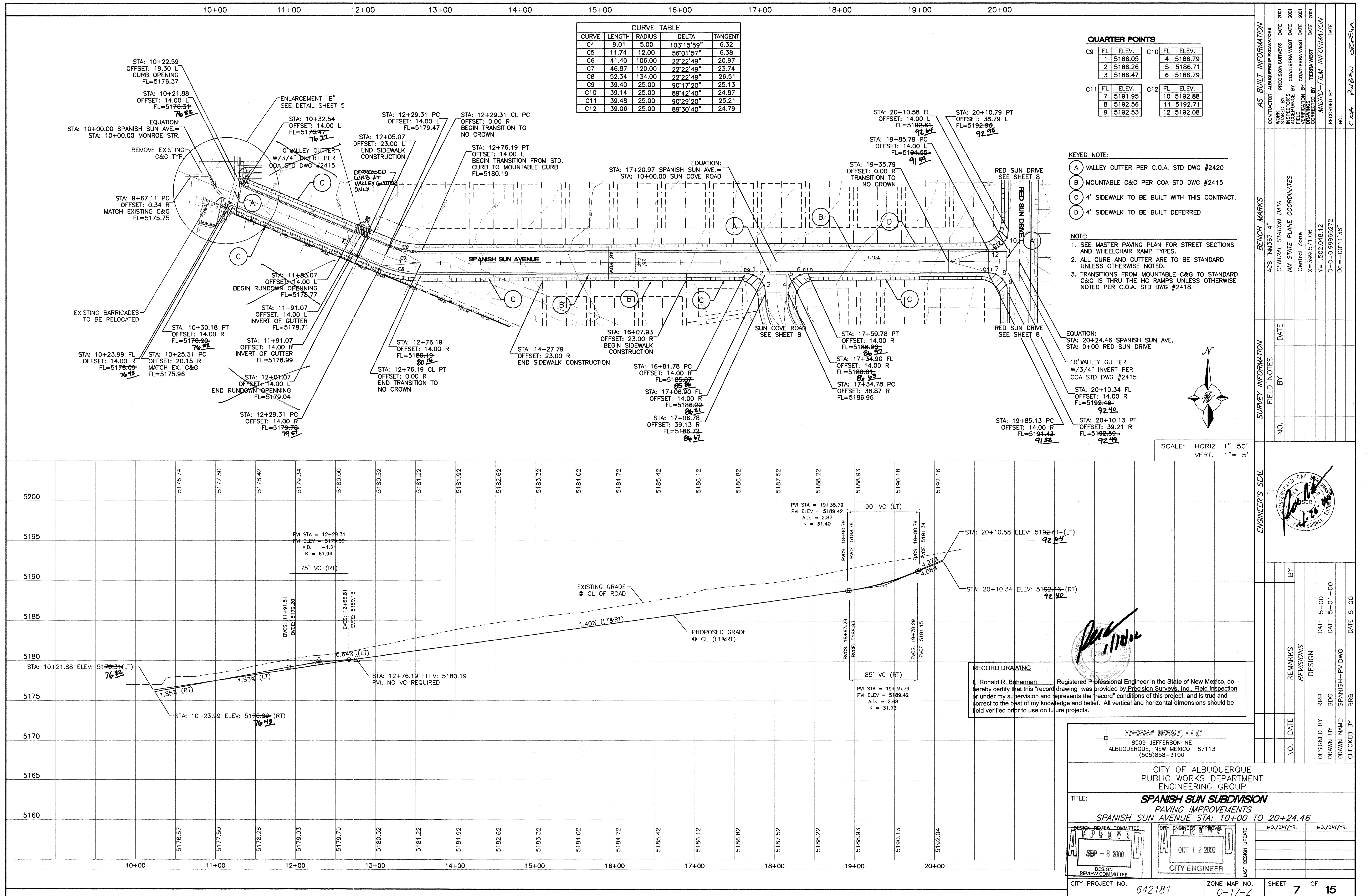
LEGEND	
	EXISTING SAS MANHOLE
	EXISTING VALVE W/BOX
	EXISTING FIRE HYDRANT
	EXISTING SANITARY SEWER LINE
	EXISTING WATER LINE
	EXISTING CURB & GUTTER
	BOUNDARY LINE
	EASEMENT
	EXISTING WALL
	PROPOSED SCREEN WALL
	SIDEWALK TO BE BUILT WITH THIS CONTRACT
	SIDEWALK TO BE DEFERRED
	PROPOSED STD C&G
	PROPOSED MOUNTABLE C&G
	STREET LIGHTS
	NEW PAVING TO MATCH EXISTING
	REMOVE EXISTING PAVING

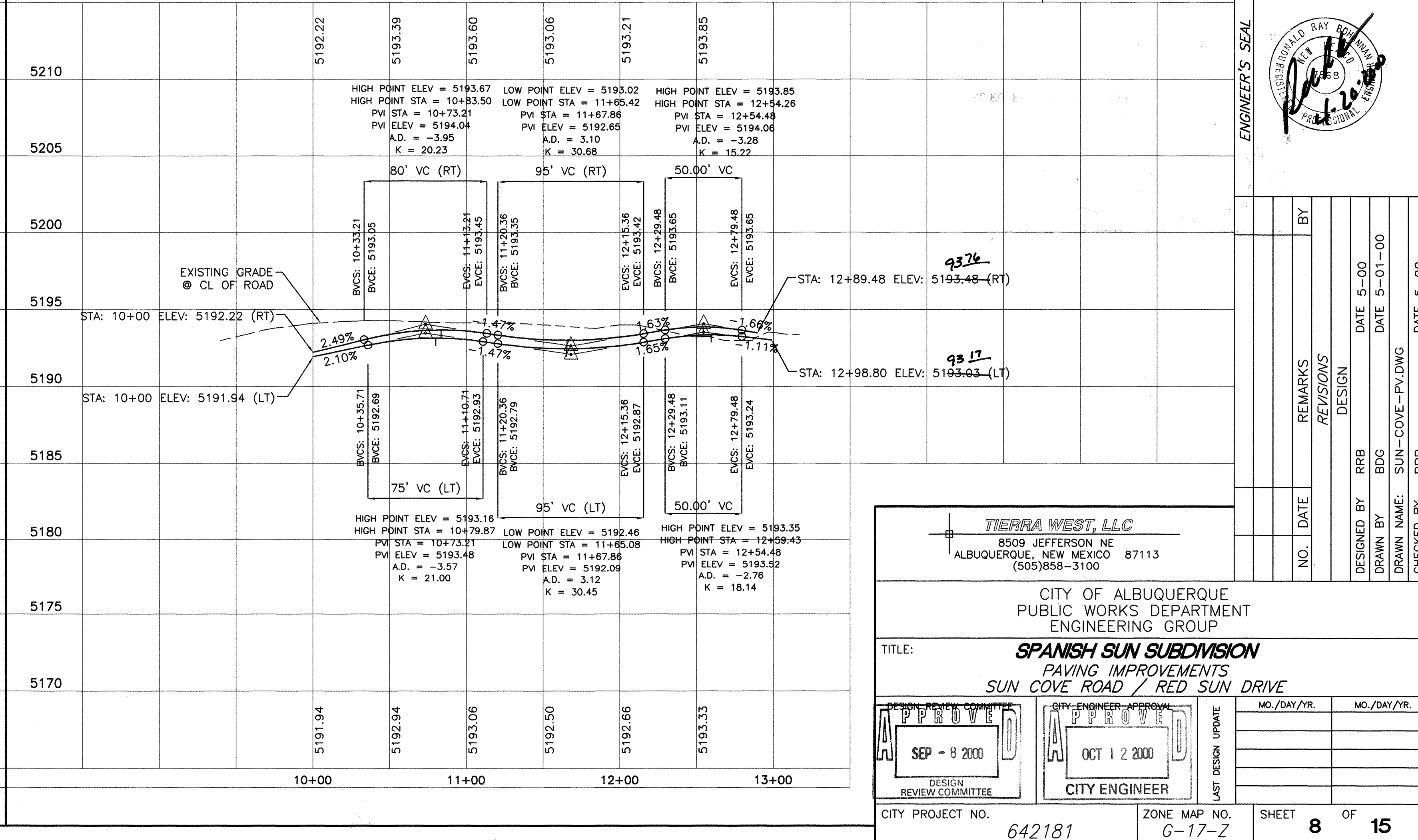
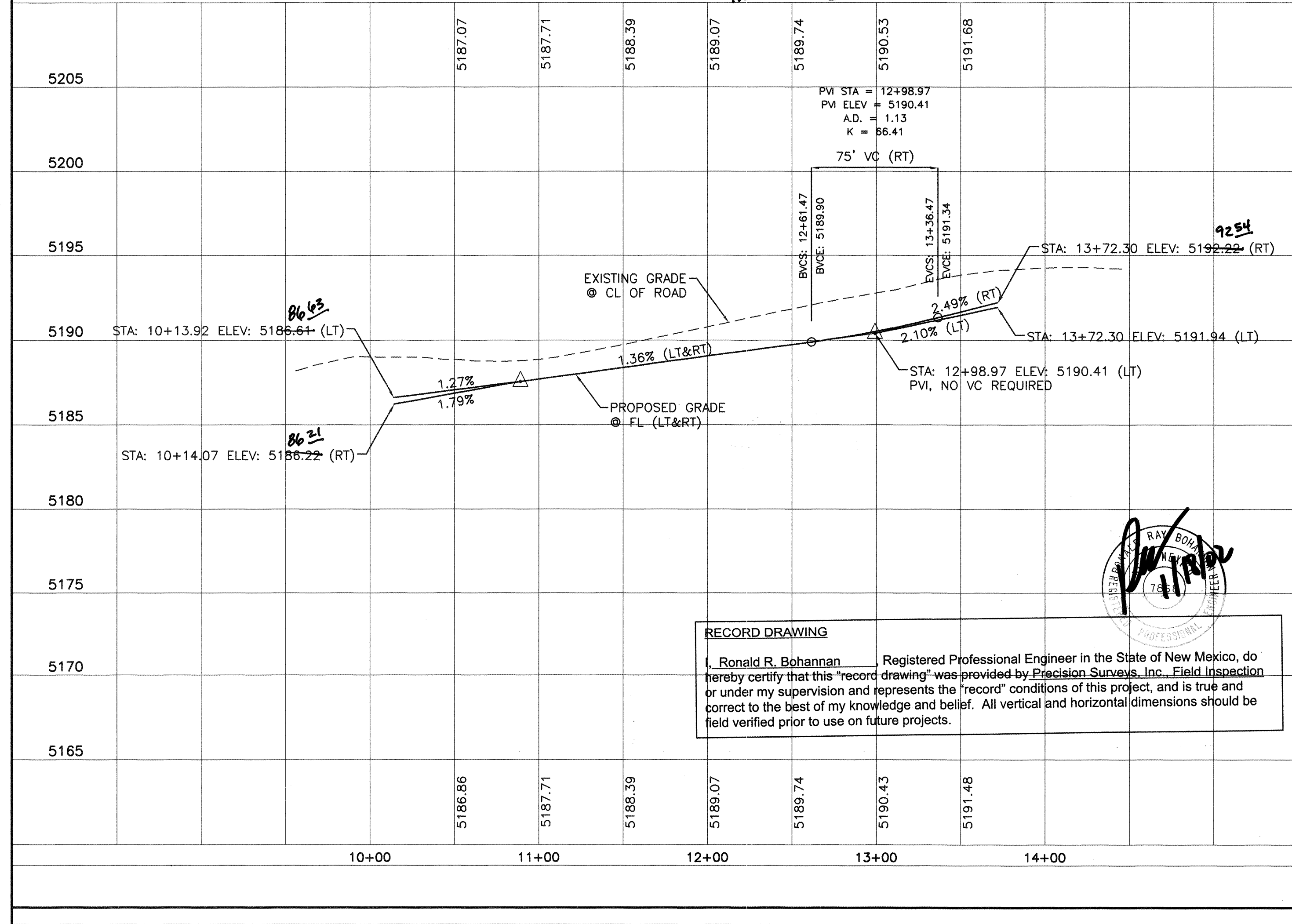


TIERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: SPANISH SUN SUBDIVISION MASTER PAVING PLAN	
DESIGN REVIEW COMMITTEE APPROVED SEP - 8 2000	CITY ENGINEER APPROVED OCT 12 2000
DESIGNED BY: RRB DRAWN BY: BDG CHECKED BY: RRB	DATE: 5-00 DATE: 5-01-00 DATE: 5-00
CITY PROJECT NO. 642181	ZONE MAP NO. G-17-Z
SHEET 6	OF 15

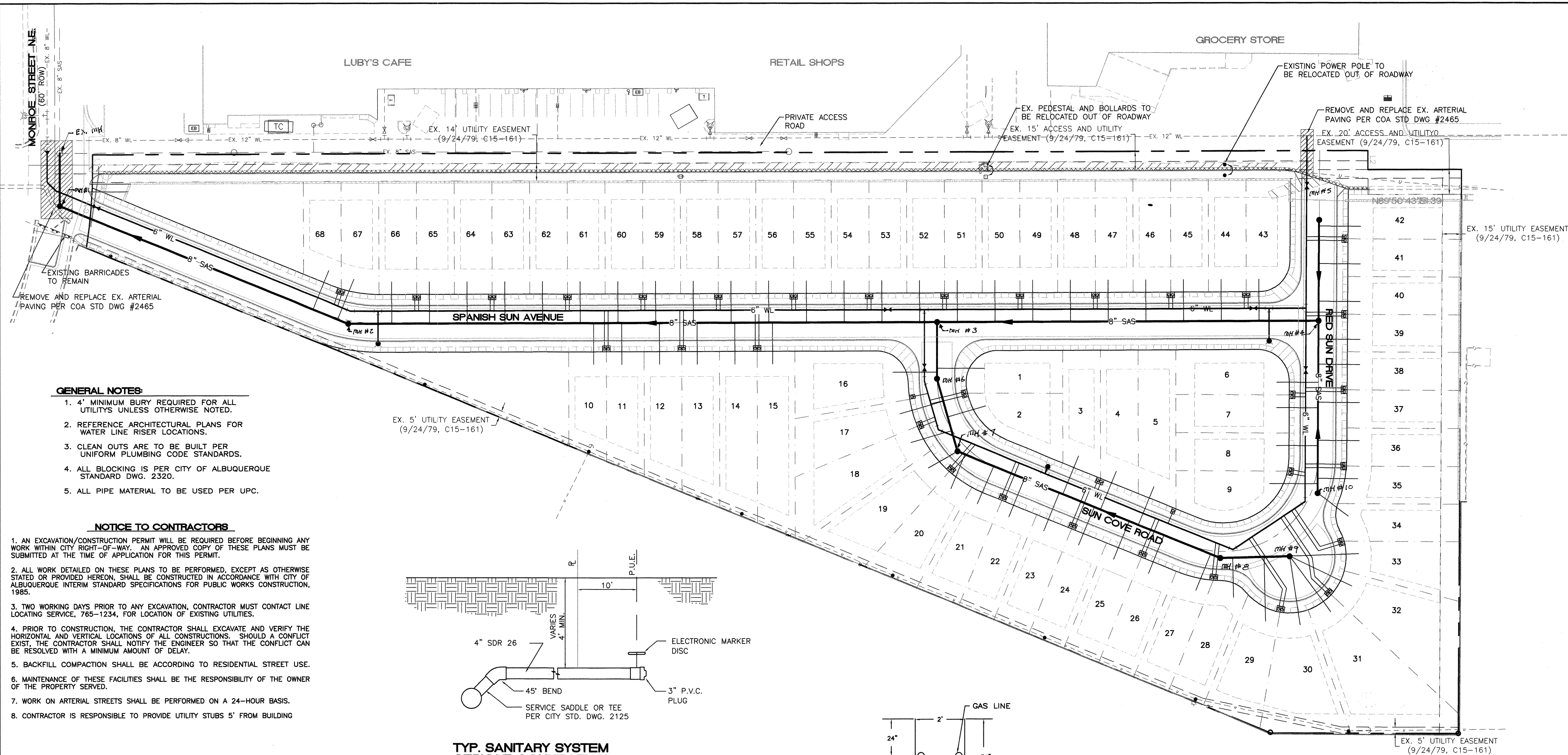
BENCH MARKS	
ACS "N367-4"	CENTRAL STATION DATA
NM STATE PLANE COORDINATES	Central Zone
X=399,571.06	Y=1,502,048.12
G-G=0.9996272	Da=-0011'36"
AS BUILT INFORMATION	
CONTRACTOR: ALBUQUERQUE EXCAVATORS	WORK: PRECISION SURVEYS
STATIONED BY: PRECISION SURVEYS	DATE: 2001
ACCEPTED BY: CONTESSA WEST	DATE: 2001
FIELD CHECKED BY: CONTESSA WEST	DATE: 2001
DRAWN BY: TIERRA WEST	DATE: 2001
CORRECTED BY: TIERRA WEST	DATE: 2001
RECORDED BY: MICRO-FILM INFORMATION	DATE: 2001
NO. COA: P250-0555A	

SCANNED BY
MESA REPRO



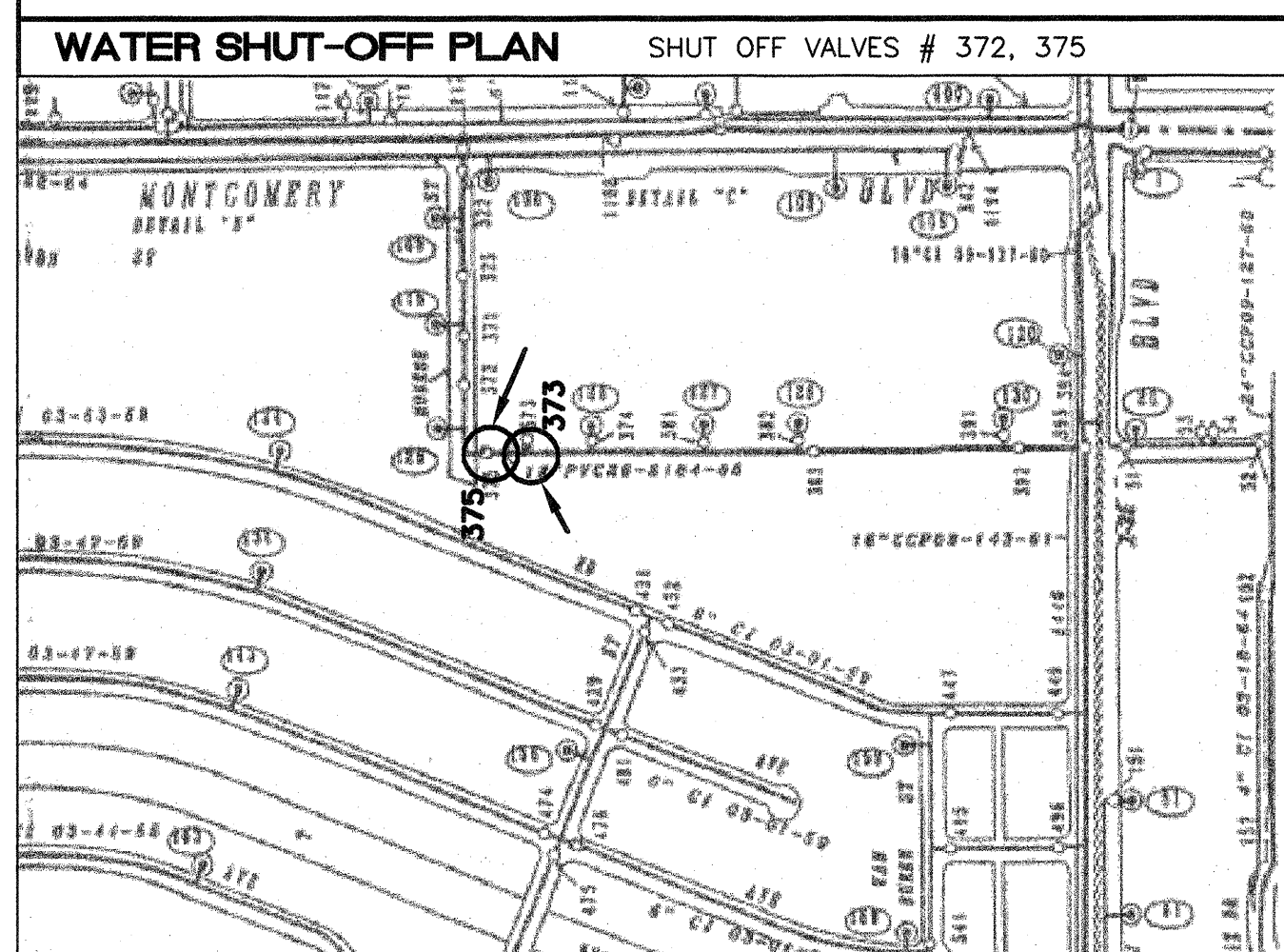


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MESA REPRO

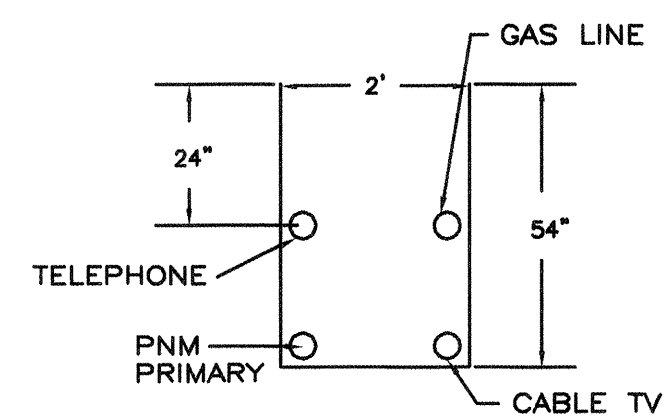
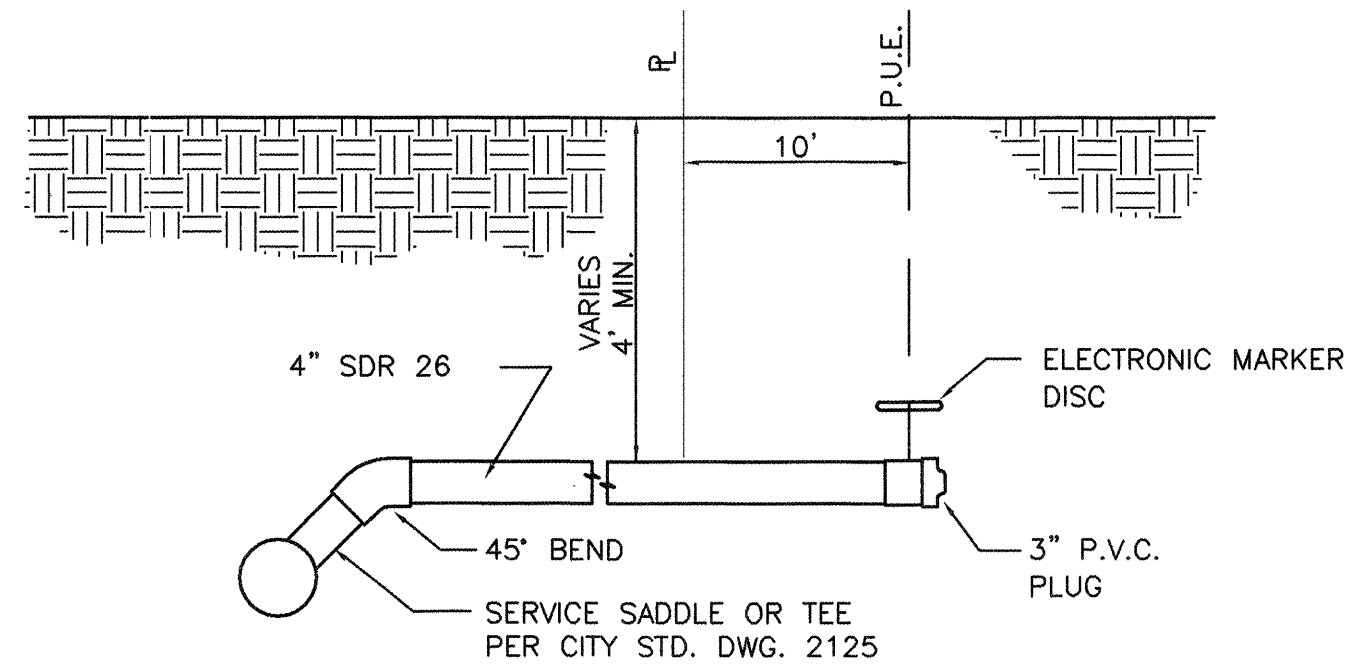


NOTES:

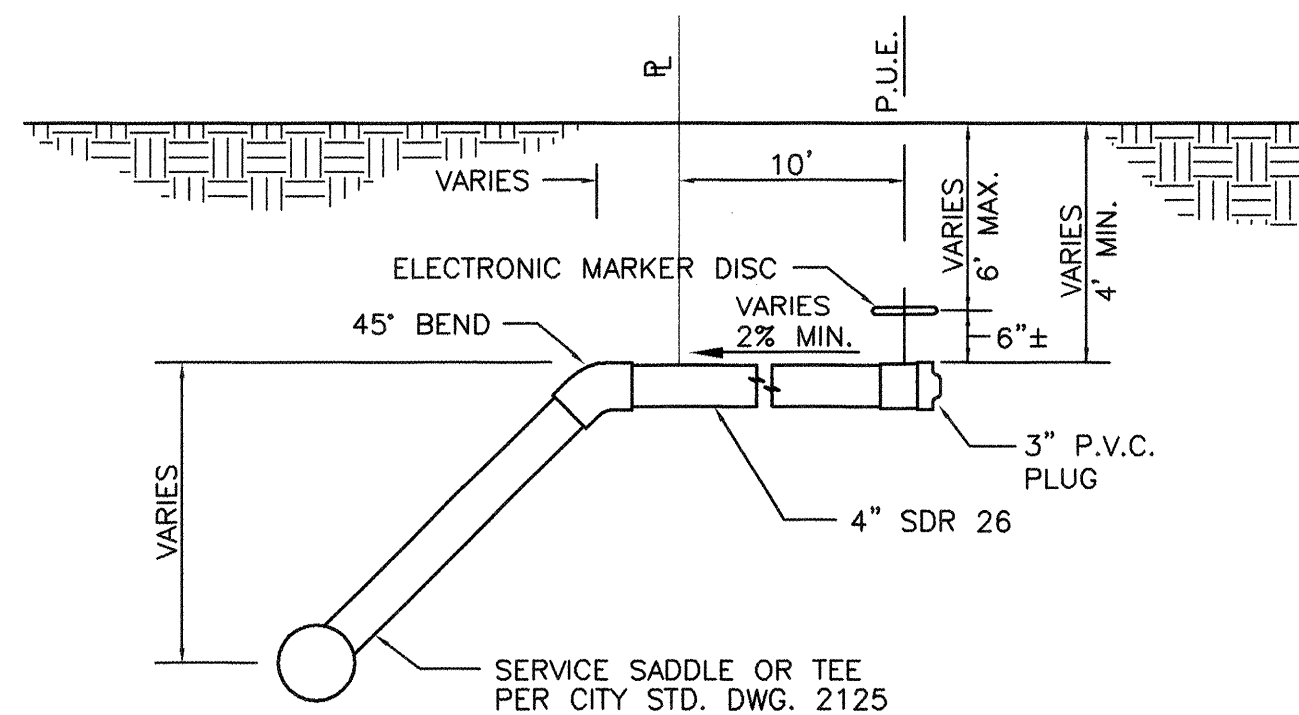
1. ONLY WATER SYSTEMS PERSONNEL ARE AUTHORIZED TO OPERATE VALVES.
2. NOTIFY CITY OF ALBUQUERQUE, WATER SYSTEMS DIVISION (PHONE 857-8200) FIVE (5) WORKING DAYS IN ADVANCE OF NEEDING EXECUTION OF THE WATER SHUT OFF PLAN
3. APPROXIMATE SHUT OFF TIME WILL BE 24 HOURS.
4. SHUTOFF THE VALVES INDICATED IN THE ABOVE PLAN



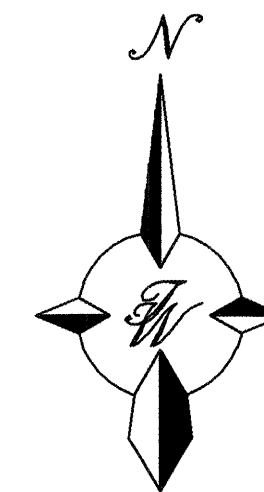
**TYP. SANITARY SYSTEM
SERVICE CONNECTION**



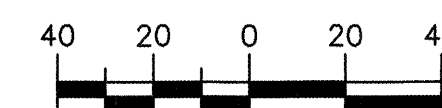
NOTE: FOR REFERENCE ONLY, REFER TO
PLAN & PROFILE SHEETS



**TYP. SANITARY SYSTEM
SERVICE CONNECTION
FOR DEEP SANITARY SEWERS**



GRAPHIC SCALE



SCALE: 1"=40'

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.

TIERRA WEST, LLC
8509 JEFFERSON NE
ALBUQUERQUE, NEW MEXICO 87105
(505)858-3100

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: ***SPANISH SUN SUBDIVISION***
MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE

A P P R O V E

SEP - 8 2000

DESIGN
REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVE
OCT 12 2000
CITY ENGINEER

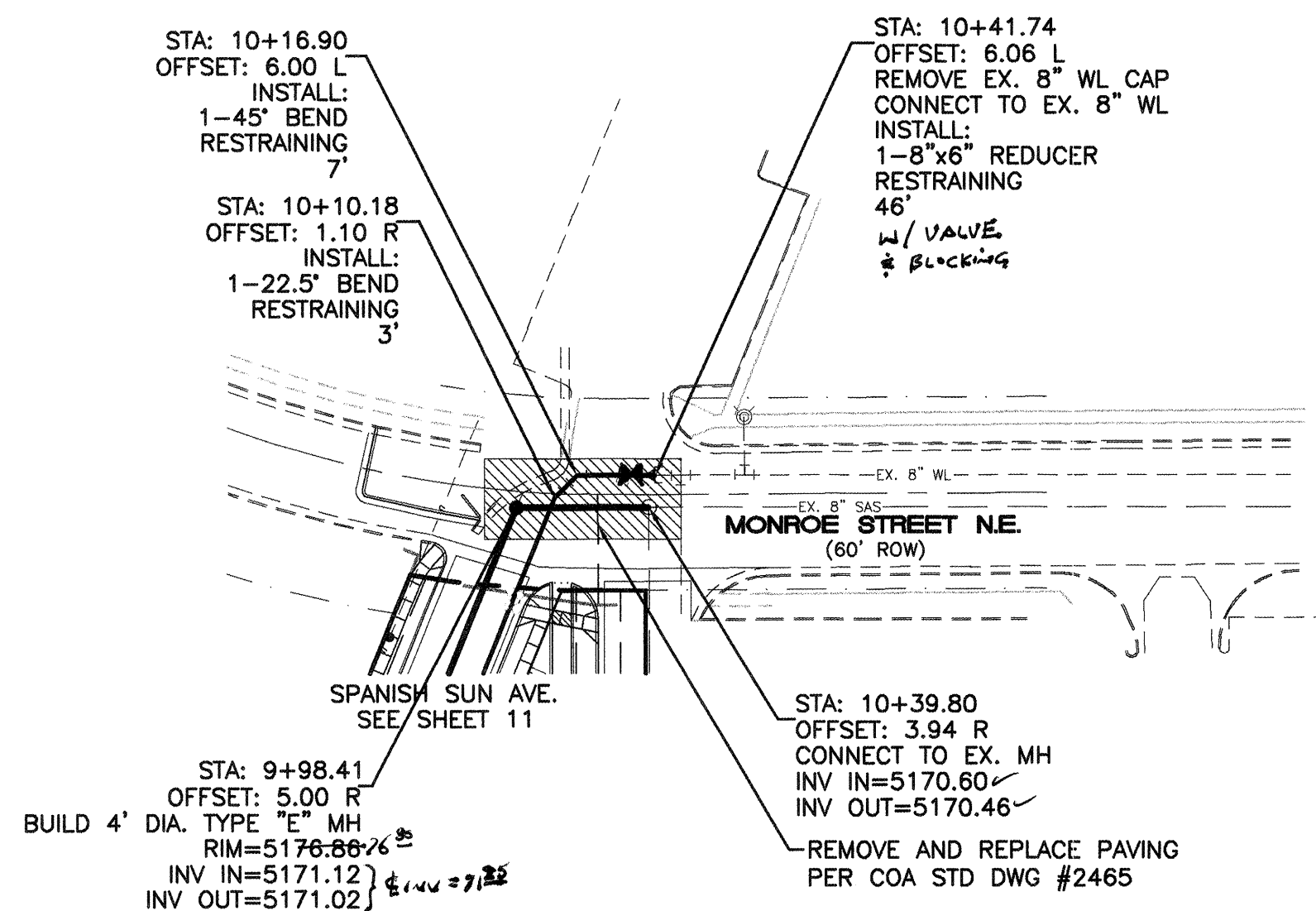
CITY PROJECT NO.

ZONE MAP NO.
G-17-Z

SHEET 9 OF 15

[illegible]

SCANNED BY
MESA REPRO



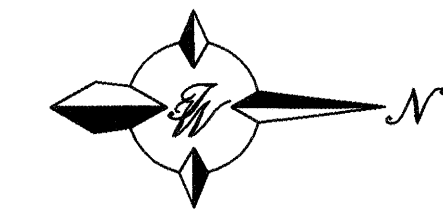
NOTE:
1. 4' MINIMUM BURY REQUIRED FOR ALL UTILITIES
UNLESS NOTED.

2. ALL FIRE HYDRANTS ARE TO BE BUILT PER
C.O.A. STD DWG #2340 W/BLOCKING

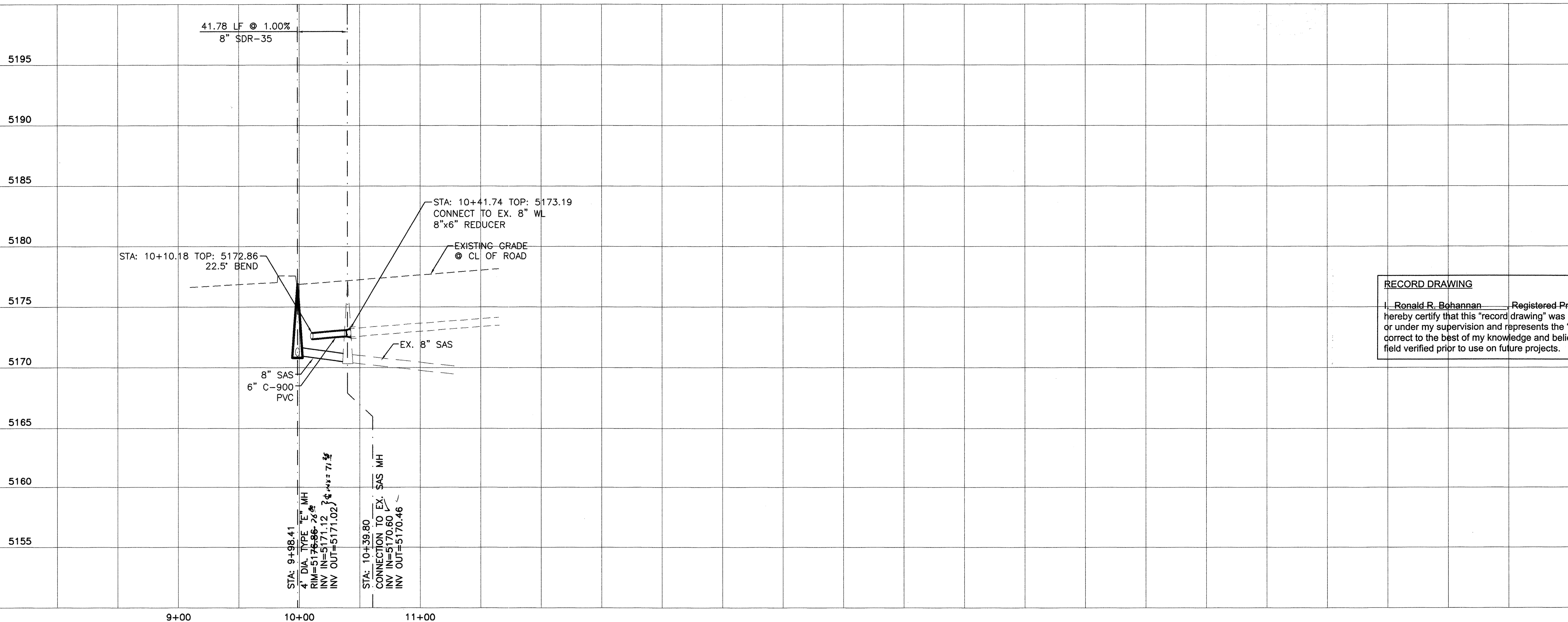
3. ALL BLOCKING TO BE CONSTRUCTED PER COA
STD. DWG #2320.

4. ALL EXISTING UTILITY CONNECTION LOCATIONS
AND INVERTS MUST BE FIELD VERIFIED PRIOR TO
AND CONSTRUCTION OF UTILITIES.

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.

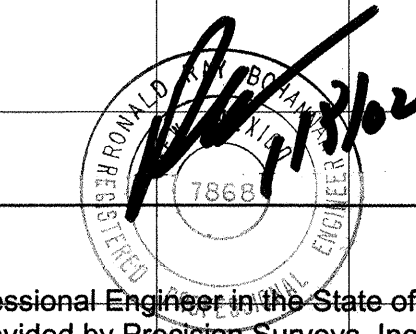


SCALE: HORIZ. 1"=50'
VERT. 1"= 5'



RECORD DRAWING

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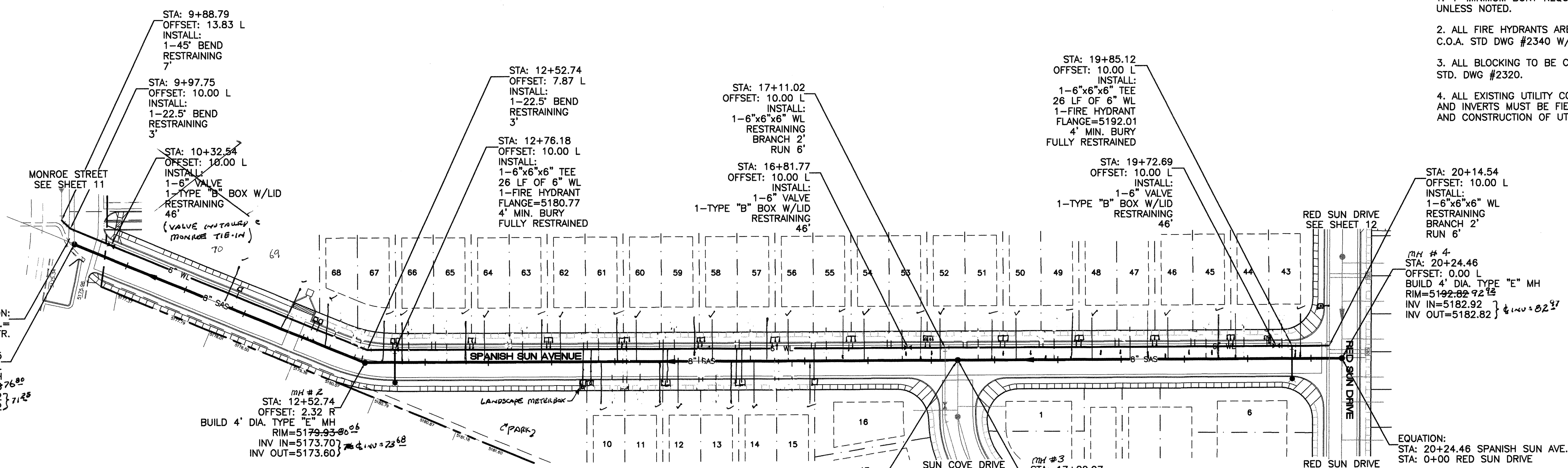
TIERRA WEST, LLC 8509 JEFFERSON NE ALBUQUERQUE, NEW MEXICO 87113 (505)858-3100	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP	
TITLE: SPANISH SUN SUBDIVISION UTILITY IMPROVEMENTS MONROE STREET STA: 9+98.41 TO 10+39.80	
DESIGN REVIEW COMMITTEE SEP - 8 2000	DESIGN ENGINEER APPROVAL OCT 12 2000 CITY ENGINEER
CITY PROJECT NO. 642181	ZONE MAP NO. G-17-Z
SHEET 10 OF 15	

BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	ALBUQUERQUE EXCAVATORS	WORK	PRECISION SURVEYS	DATE	2001	NO.	DATE	NO.	DATE	BY	REMARKS
STATIONED BY	PRECISION SURVEYS	DATE	2001	DATE	2001	NO.	DATE	NO.	DATE	BY	REMARKS
ACCEPTANCE BY	CONTRACTOR	DATE	2001	DATE	2001	NO.	DATE	NO.	DATE	BY	REMARKS
FIELD CORRECTION BY	CONTRACTOR	DATE	2001	DATE	2001	NO.	DATE	NO.	DATE	BY	REMARKS
DRAWINGS	CONTRACTOR	DATE	2001	DATE	2001	NO.	DATE	NO.	DATE	BY	REMARKS
CORRECTED BY	CONTRACTOR	DATE	2001	DATE	2001	NO.	DATE	NO.	DATE	BY	REMARKS
MICRO-FILM INFORMATION	CONTRACTOR	DATE	2001	DATE	2001	NO.	DATE	NO.	DATE	BY	REMARKS
RECORDED BY	CONTRACTOR	DATE	2001	DATE	2001	NO.	DATE	NO.	DATE	BY	REMARKS
NO.	CONTRACTOR	DATE	2001	DATE	2001	NO.	DATE	NO.	DATE	BY	REMARKS

WL TABLE

LOT #	STATION	SERVICE
10&11	14+57.76	DOUBLE
12&13	15+17.76	DOUBLE
14&15	15+77.77	DOUBLE
43&44	19+67	DOUBLE
45&46	19+07	DOUBLE
47&48	18+47	DOUBLE
49&50	17+87	DOUBLE
51&52	17+27	DOUBLE
53&54	16+67	DOUBLE
55&56	16+07	DOUBLE
57&58	15+47	DOUBLE
59&60	14+87	DOUBLE
61&62	14+27	DOUBLE
63&64	13+67	DOUBLE
65&66	13+07	DOUBLE
67&68	12+39.51	DOUBLE
Tract A	14+25	SINGLE

- NOTE:
1. 4" MINIMUM BURY REQUIRED FOR ALL UTILITIES UNLESS NOTED.
 2. ALL FIRE HYDRANTS ARE TO BE BUILT PER C.O.A. STD DWG #2340 W/BLOCKING
 3. ALL BLOCKING TO BE CONSTRUCTED PER COA STD. DWG #2320.
 4. ALL EXISTING UTILITY CONNECTION LOCATIONS AND INVERTS MUST BE FIELD VERIFIED PRIOR TO AND CONSTRUCTION OF UTILITIES.



* END OF SERVICE LINE

SAS TABLE

LOT #	STATION*	LF	INV.*	ELEV. @ PL
10	14+47.75	33	5177.77	5183.27
11	14+69.98	33	5178.08	5183.58
12	14+99.98	33	5178.50	5184.00
13	15+29.98	33	5178.92	5184.42
14	15+59.98	33	5179.35	5184.85
15	15+89.98	33	5180.33	5185.83
43	19+76.99	33	5186.74	5192.24
44	19+46.99	33	5185.98	5191.48
45	19+16.99	33	5184.76	5190.26
46	18+86.99	33	5184.34	5189.84
47	18+56.99	33	5183.92	5189.42
48	18+26.99	33	5183.50	5189.00
49	17+96.99	33	5183.08	5188.58
50	17+66.99	33	5182.66	5188.16
51	17+36.99	33	5182.24	5187.74

LOT #	STATION*	LF	INV.*	ELEV. @ PL
52	17+06.99	33	5181.82	5187.32
53	16+76.99	33	5181.40	5186.90
54	16+46.99	33	5180.98	5186.48
55	16+16.99	33	5180.56	5186.06
56	15+86.99	33	5180.14	5185.64
57	15+56.99	33	5179.72	5185.22
58	15+26.99	33	5179.30	5184.80
59	14+96.99	33	5178.88	5184.38
60	14+66.99	33	5178.46	5183.96
61	14+36.99	33	5178.04	5183.54
62	14+06.99	33	5177.62	5183.12
63	13+76.99	33	5177.20	5182.70
64	13+46.99	33	5176.78	5182.28
65	13+16.99	33	5176.36	5181.86
66	12+86.99	33	5175.94	5181.44

LOT #	STATION*	LF	INV.*	ELEV. @ PL
67	12+49.49	34	5075.62	5181.12
68	12+22.75	33	5074.76	5180.26
69	11+02.74	33	5124.50	5180.00
70	11+32.74	33	5124.80	5179.95

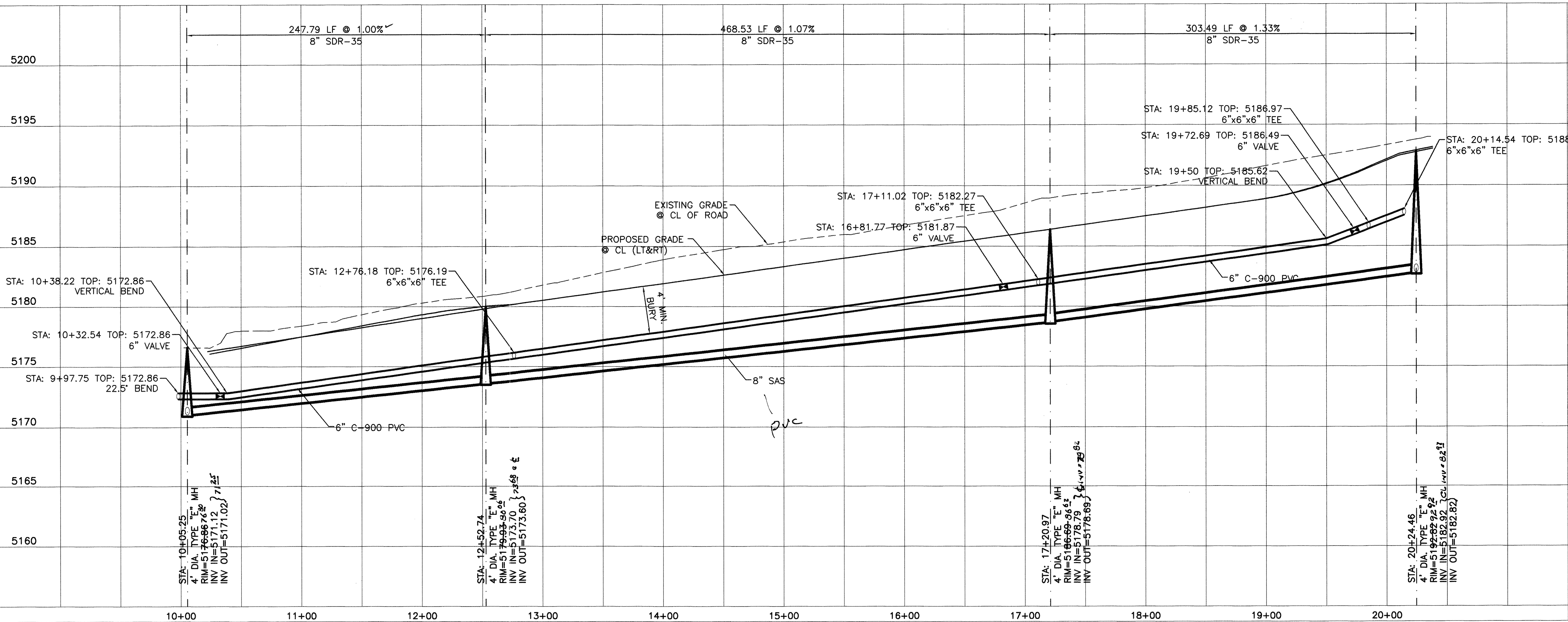
RECORD DRAWING

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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.

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

NOTE: WATER SERVICES RELOCATED OUT OF DRIVEWAYS



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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SPANISH SUN SUBDIVISION**
UTILITY IMPROVEMENTS
SPANISH SUN AVENUE STA: 9+97.75 TO 20+24.46

DESIGN REVIEW COMMITTEE
SEP - 8 2000

APPROVED
OCT 12 2000
CITY ENGINEER

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

DESIGNED BY: RRB DATE: 4-00
DRAWN BY: BDG DATE: 4-25-00
DRAWN NAME: SPANISH-UT.DWG
CHECKED BY: RRB DATE: 4-00

CITY PROJECT NO. 642181 ZONE MAP NO. G-17-Z SHEET 11 OF 15

AS BUILT INFORMATION

CONTRACTOR: ALBUQUERQUE EXCAVATORS
WORK: STAKED BY: PRECISION SURVEYS, DATE: 2001
FIELD ACCEPTANCE BY: CONTRERAS WEST, DATE: 2001
DRAWINGS: CONTRERAS WEST, DATE: 2001
CORRECTED BY: TERRA WEST, DATE: 2001
RECORDED BY: MICRO-FILM INFORMATION
NO.

BENCH MARKS

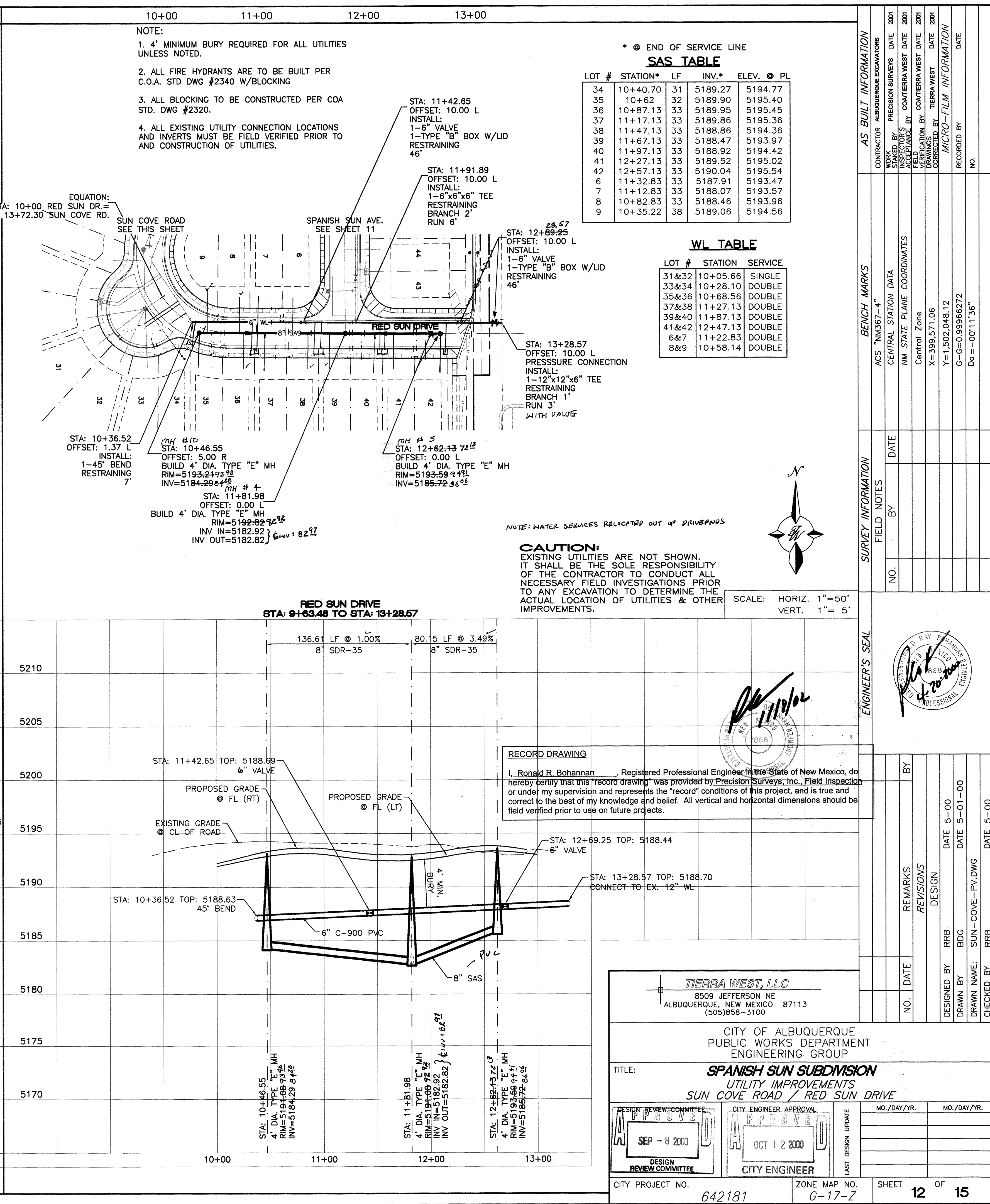
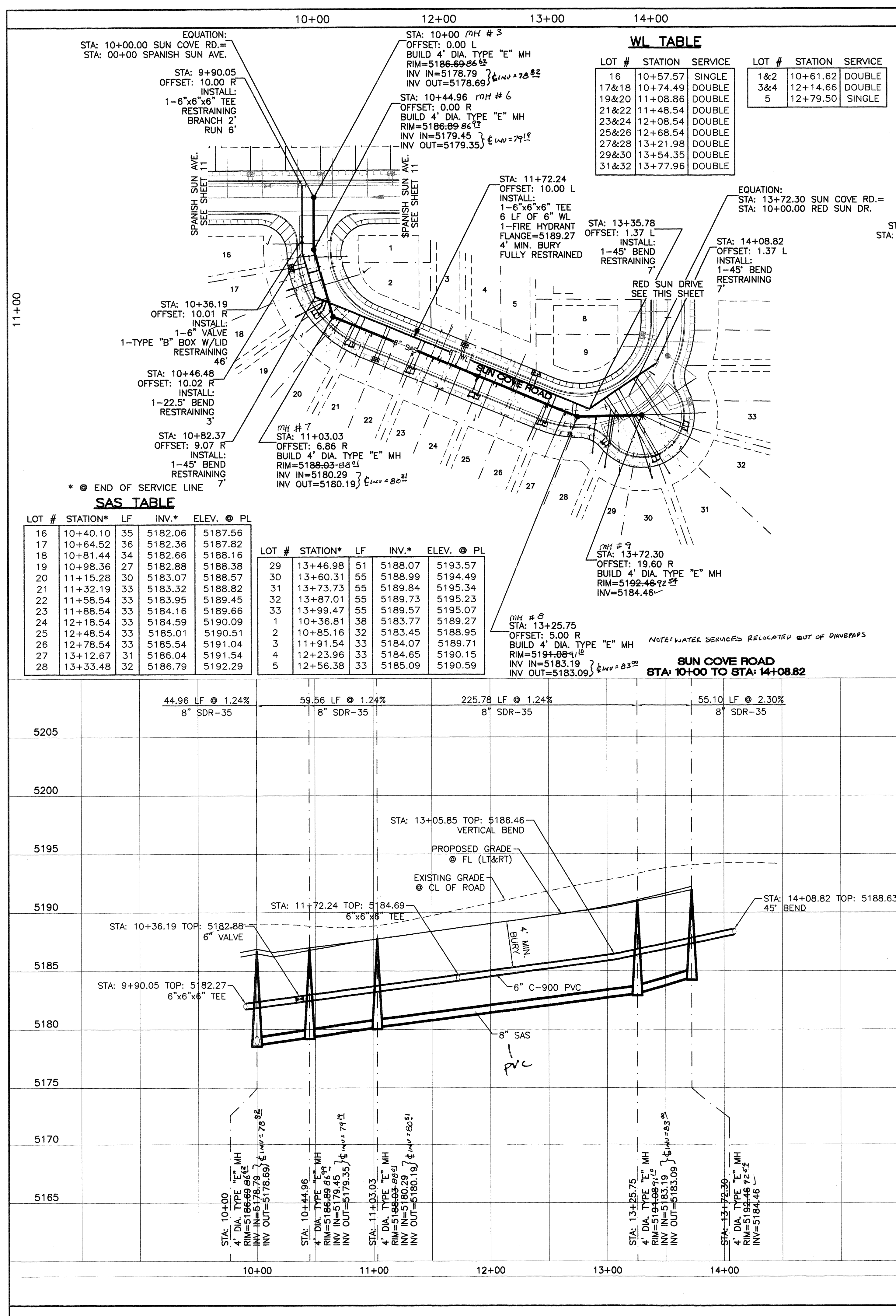
ACS "NM367-4"
CENTRAL STATION DATA
NM STATE PLANE COORDINATES
Central Zone
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Y=1,502,048.12
G-C=0.99966272
Da=-0011.36"

SURVEY INFORMATION

FIELD NOTES
DATE
BY
NO.

ENGINEER'S SEAL

PROFESSIONAL ENGINEER
RONALD R. BOHANNON
1868



CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- 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.
- CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.
- THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
- CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.
- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
- 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.
- EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- 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.
- 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.
- 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.
- ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

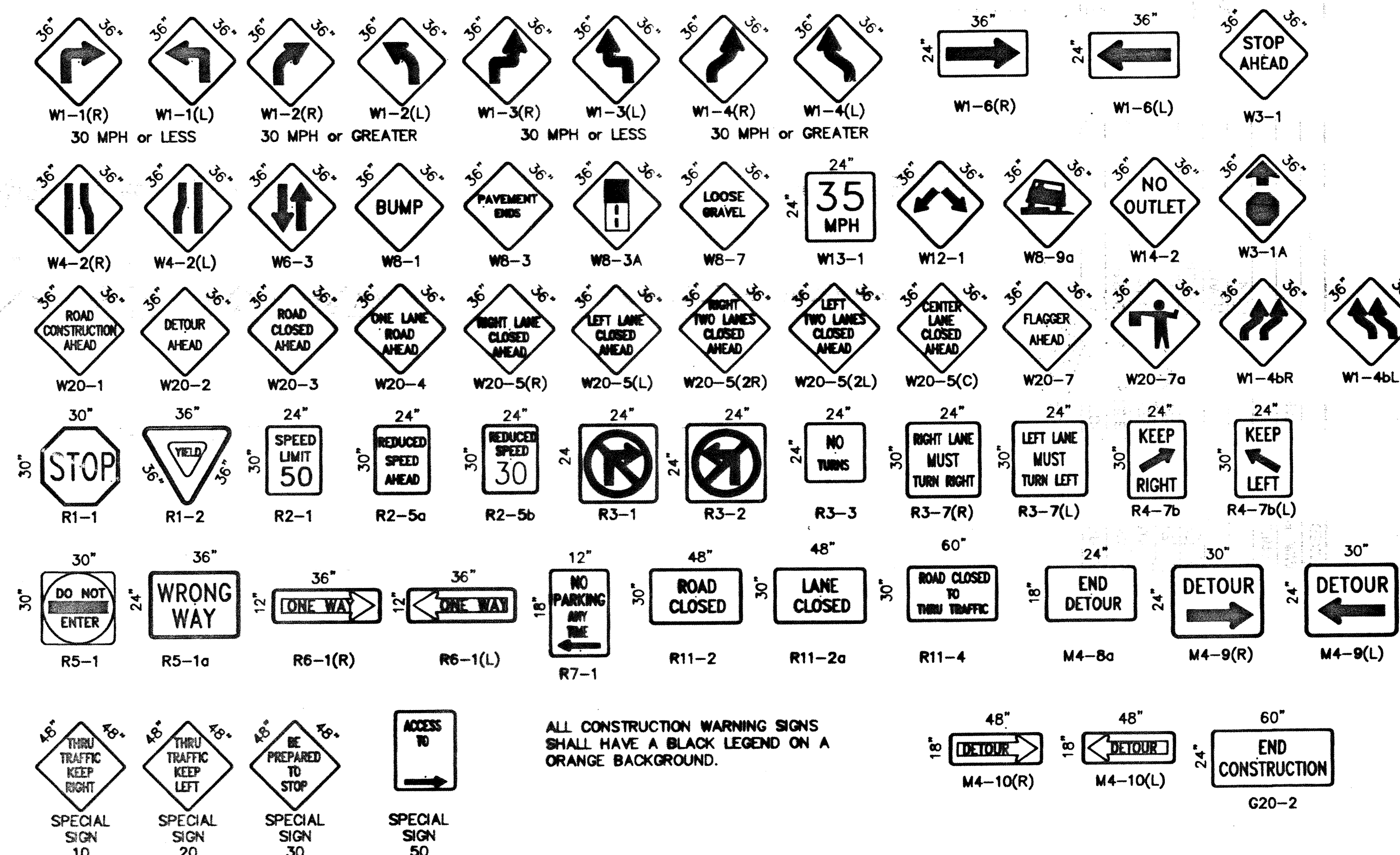
- EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.
- CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
 - STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
 - THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
 - SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.
- 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.
- ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO IT'S PLACEMENT AND MAINTENANCE.
- TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

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

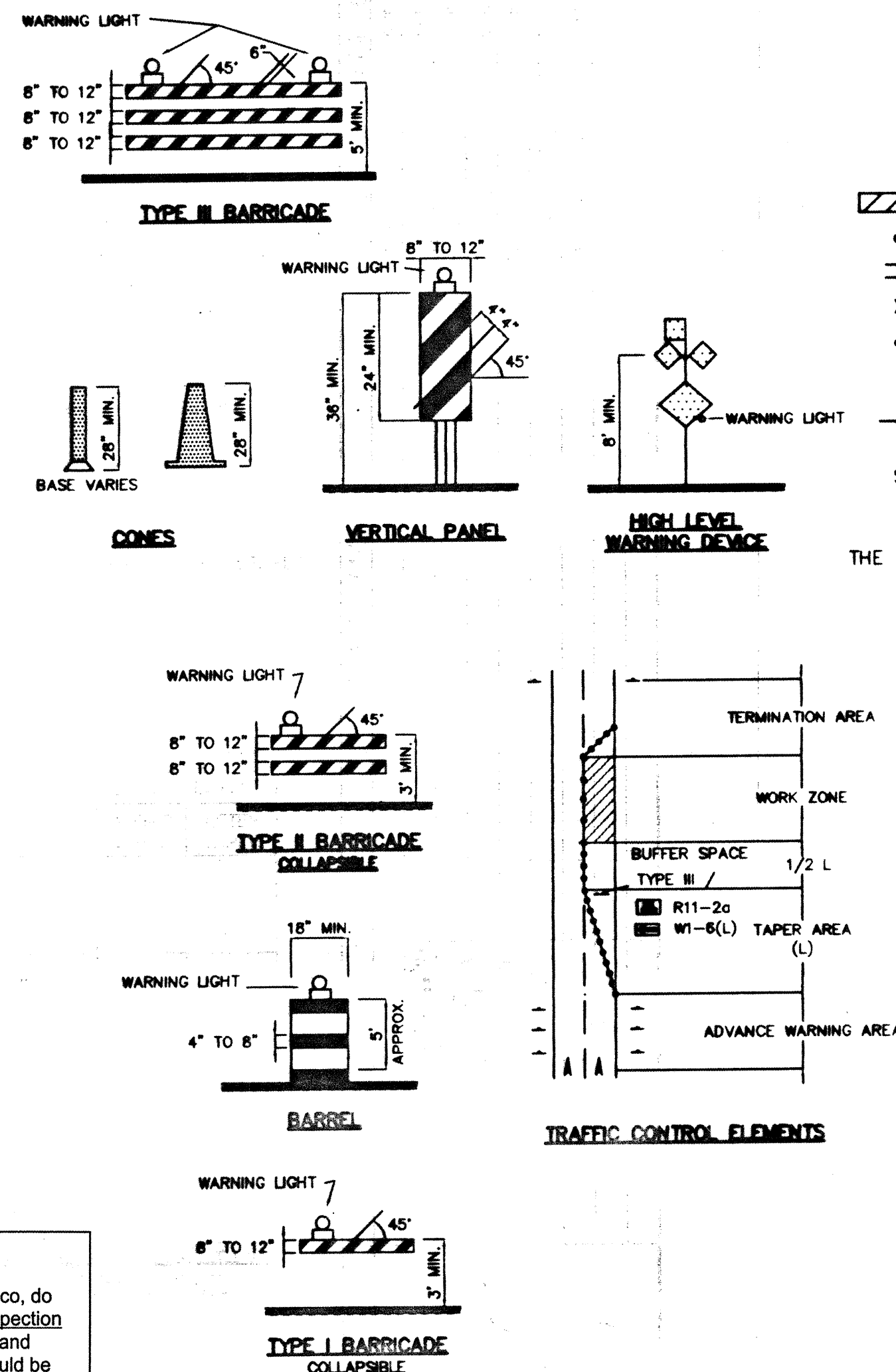
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SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.



LEGEND

- WORK AREA
- BARRICADE - TYPE I, TYPE II, OR BARREL
- BARRICADE - TYPE III
- VERTICAL PANEL
- WARNING SIGN
- DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
- FLAGMAN POSITION
- SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
- TAPER LENGTH - SEE CHART BELOW
- THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

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

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

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

TAPER CRITERIA

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

TAPER LENGTH COMPUTATION

SPEED LIMIT	L = WS ² / 60
40 MPH OR LESS	
45 MPH OR GREATER	L = W X S

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS**

DESIGN REVIEW COMMITTEE: *COP* CITY ENGINEER APPROVAL: *STP*

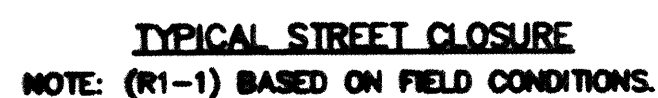
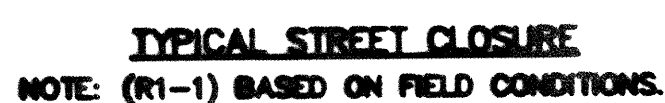
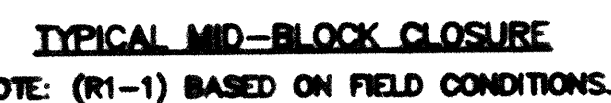
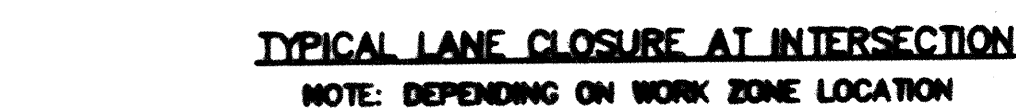
PROJECT NO. MAP NO. SHEET 13 OF 15



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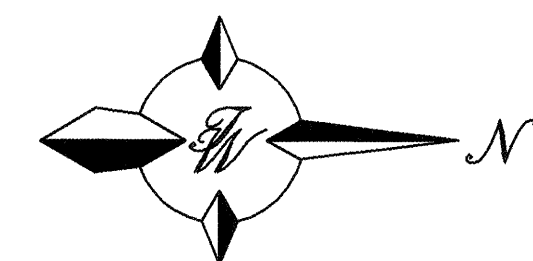
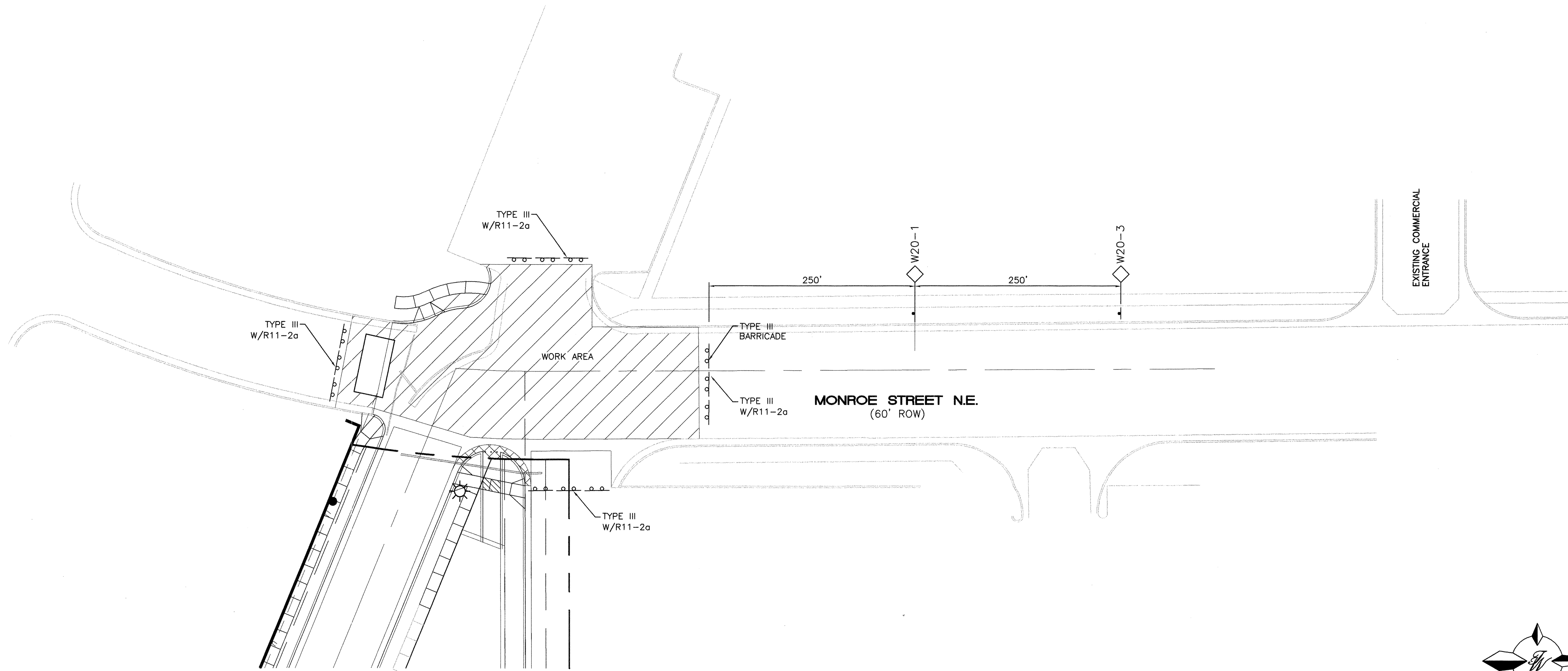
RONALD R. BOHANNON
Professional Engineer
No. 10769
State of New Mexico



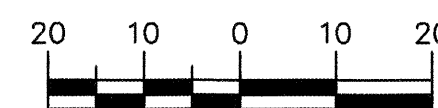
TITLE: **TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES (REF. M.U.T.C.D.)**

PROJECT NO.	MAP NO.	SHEET 1
----------------	------------	------------

LAST UPDATE		MO./DAY/YR.		MO./DAY/YR.	
SHEET 14 OF 15					
CONTRACTOR: BIQUERQUE EXCAVATION STANDARD: PRECISION SURVEYS PROJECT NAME: MC CARTHER WEST FIELD NO.: MC CARTHER WEST DRAWINGS: MC CARTHER WEST CORRECTED BY: TERRA WEST MICRO-FILM INFORMATION RECORDED BY: DATE NO. ENGINEER'S SEAL 					
SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES		NO.		DATE	
BY		DATE			
REVISED GENERAL NOTE		J.D.L.			
REMARKS		BY			
NO. DATE					
REVISIONS					
DESIGN					
DESIGNED BY		C.O.A. STANDARDS		DATE	
DRAWN BY				DATE	
CHECKED BY				DATE	



GRAPHIC SCALE



SCALE: 1"=20'

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

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SPANISH SUN SUBDIVISION**
MONROE TRAFFIC CONTROL PLAN

DESIGN REVIEW COMMITTEE
APPROVED
SEP - 8 2000
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
OCT 12 2000
CITY ENGINEER

LAST DESIGN UPDATE

CITY PROJECT NO.

642181

ZONE MAP NO.

G-17-Z

SHEET

15 OF

15

RECORD DRAWING

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ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
REVISIONS			
DESIGN			
DESIGNED BY	RRB	DATE	5-00
DRAWN BY	BDG	DATE	5-01-00
DRAWN NAME:	TRAFFIC.DWG	CHECKED BY	RRB
CHECKED BY	RRB	DATE	5-00

SURVEY INFORMATION

NO.	BY	DATE
FIELD NOTES		

BENCH MARKS

ACS "NM367-4"
CENTRAL STATION DATA
NM STATE PLANE COORDINATES
Central Zone
X=399,571.06
Y=1,502,048.12
G-Q=0.99966272
Da=-00'11'36"

AS BUILT INFORMATION

CONTRACTOR	ALBUQUERQUE EXCAVATORS	2001
WORK	PRECISION SURVEYS	DATE
STATE BY	COMPTERRA WEST	DATE
ACCEPTANCE BY	COMPTERRA WEST	DATE
FIELD CORRECTION BY	COMPTERRA WEST	DATE
DRAWINGS	TERRA WEST	DATE
CORRECTED BY	MICRO-FILM INFORMATION	DATE
RECORDED BY		DATE
NO.		