

CONSTRUCTION PLANS
FOR
SEVEN BAR NORTH TRACT B-2
SUBDIVISION - UNIT II-A
ALBUQUERQUE, NEW MEXICO

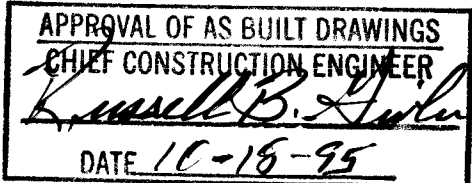
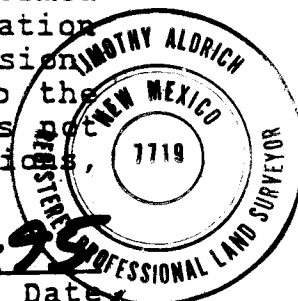
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SURVEYOR'S CERTIFICATION

"I, Timothy Aldrich, a duly qualified Registered Professional Land Surveyor under the laws of the State of New Mexico, do hereby certify that the 'as-built' information shown on these drawings was obtained from field construction and 'as-built' surveys performed by me or under my supervision, that the 'as-built' information shown on these drawings was added by me or under my supervision and that this 'as-built' information is true and correct to the best of my knowledge and belief." Aldrich Land Surveying is responsible for any of the design concepts, calculations, engineering, or intent of the record drawings.

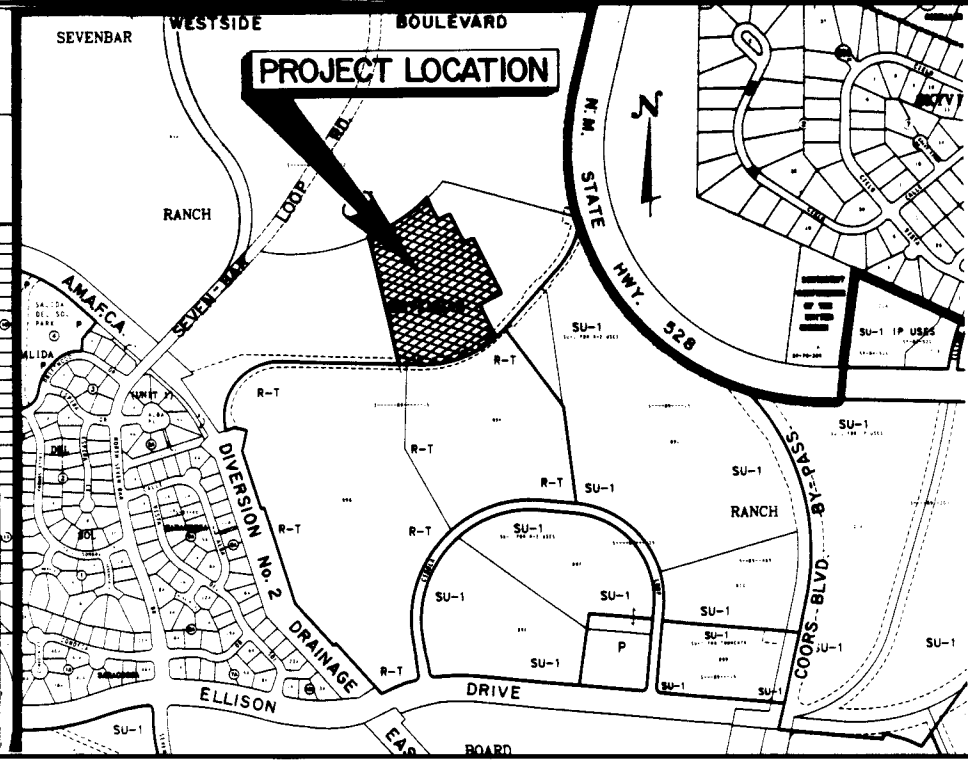
Timothy Aldrich, P.S. No. 7719
Date: 06-14-95



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

5, 19	3-17-95	See Signatures on individual sheets	2/27/2/28/95
5, 6, 12, 13, 19	3-17-95	See Signatures on individual sheets	2/27/2/28/95
REV SHEETS	DATE	USER DEPARTMENT	DATE

BOHANNAN HUSTON INC. ALBUQUERQUE, NEW MEXICO ENGINEERS PLANNERS PHOTOGRAMMETRISTS		APPROVED FOR CONSTRUCTION C.E.
PROJECT NUMBER 4982.91		SHEET 1 OF 21



VICINITY MAP
NOT TO SCALE
A-13

NOTICE TO CONTRACTORS

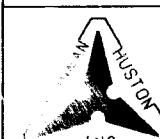
- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION (THROUGH UPDATE #4), AND NEW MEXICO UTILITIES, INC. SPECIFICATIONS FOR WATER & WASTEWATER FACILITIES. (8-2-94 REV.)
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- THE CONTRACTOR SHALL NOTIFY NEW MEXICO UTILITIES, INC. (898-2861) THREE WORKING DAYS PRIOR TO BEGINNING THE CONSTRUCTION OF THE UTILITIES.
- 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.
- THREE (3) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED IN KIND BY CONTRACTOR TO LOCATION AND IN KIND AS EXISTING OR AS INDICATED BY THIS PLAN SET.
- 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 CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYING SECTION. 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.

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.
- ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

THIS SHEET LEFT BLANK FOR FINAL PLAT

2 3 4 5 6 7 8 9 10 11 12 13 14 15
20-4982.91 2-27-95

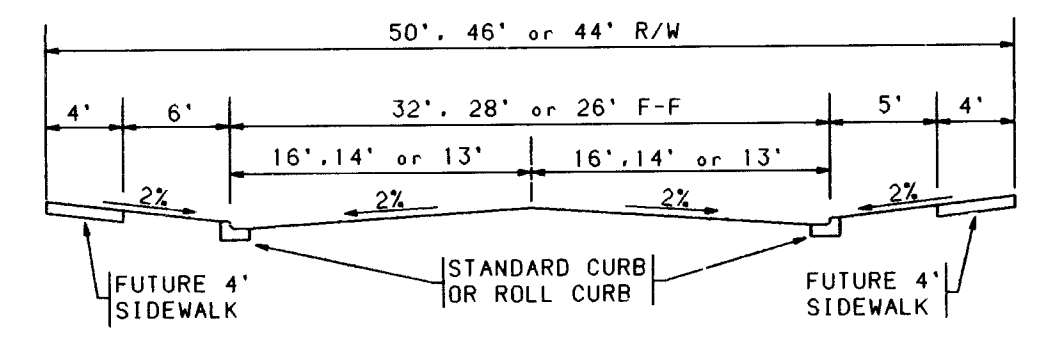
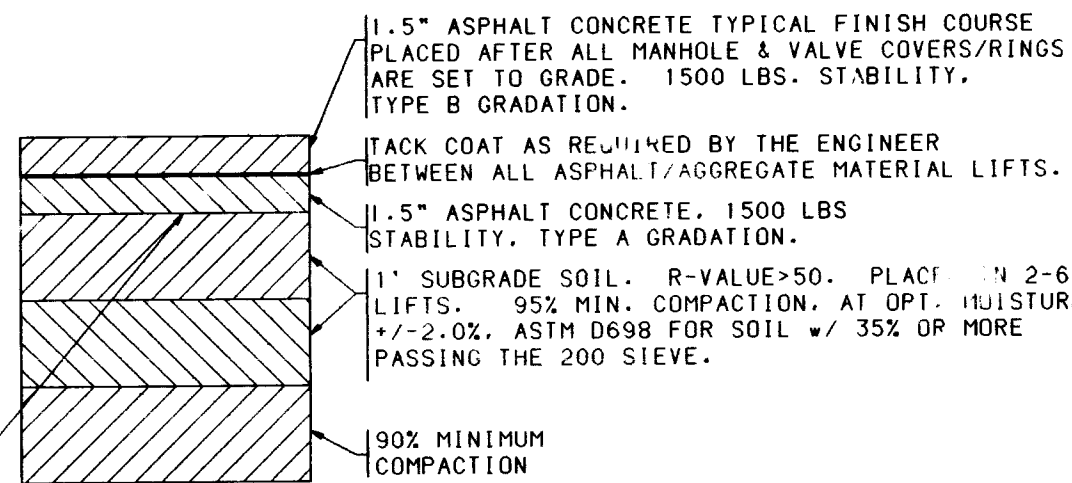
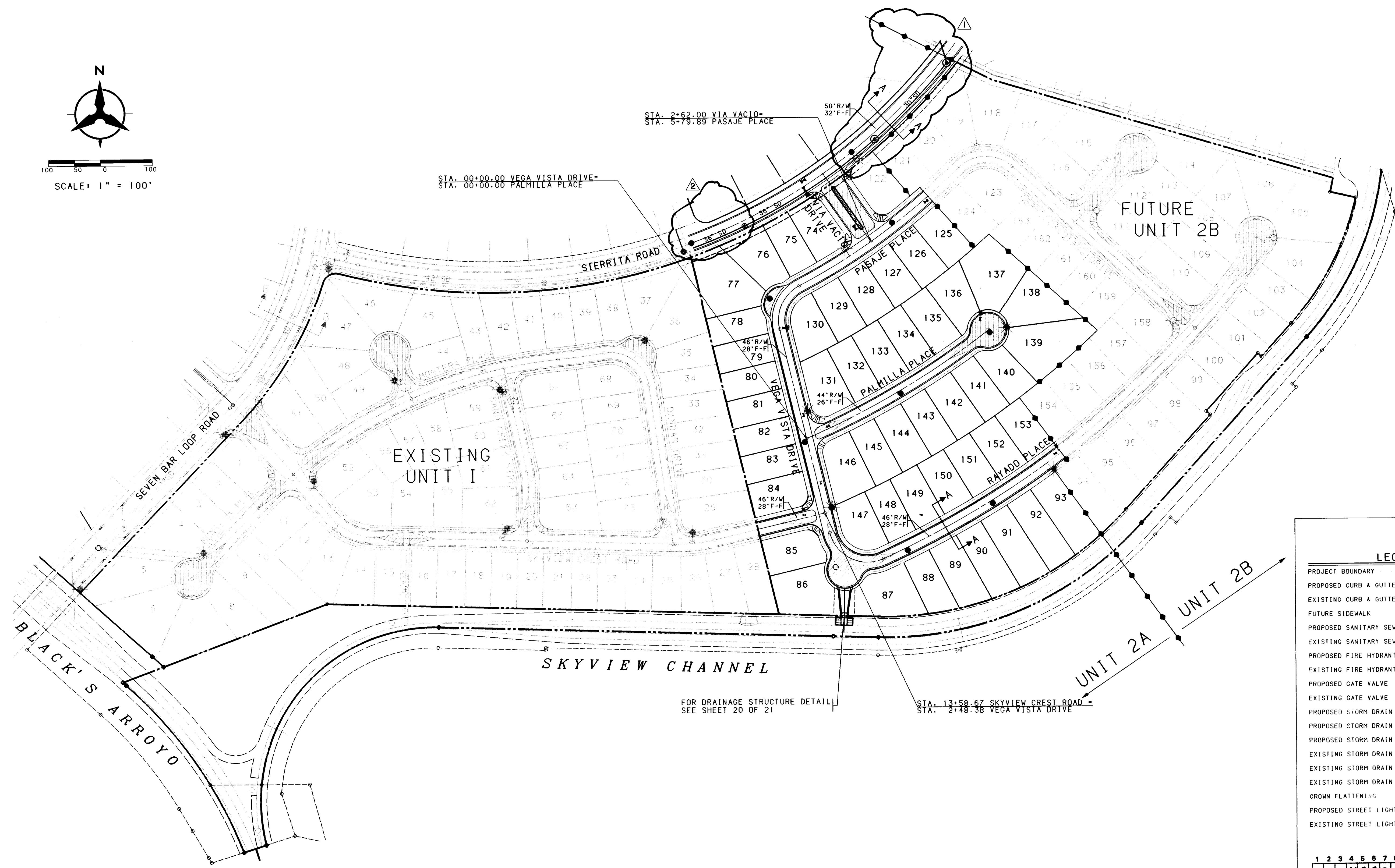
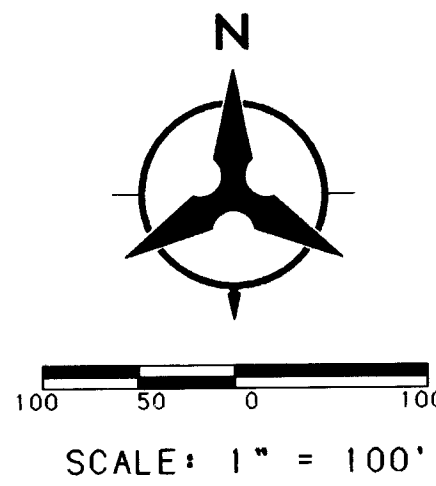
		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
SEVEN BAR NORTH - UNIT II-A FINAL PLAT					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	NIA RWE	2-27-95
TRANSPORTATION	NIA RWD	2-27-95	WASTE WATER	NIA RWE	2-27-95
HYDROLOGY	NIA	2-27-95			
DRAWING NO		4982.91		MAP NO.	A-13
				SHEET	23 OF 21

ENGINEER'S SEAL SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
FIELD NOTES		TBM NO. 205		CONTRACTOR	
NO. BY DATE		CHISELED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL. ELEV. 5110.55		CONTRACTED BY	
NO. DATE				INSPECTED BY	
NO. DATE				ACCEPTANCE BY	
NO. DATE				DRAWINGS BY	
NO. DATE				MICRO-FILM INFORMATION	
DESIGNED BY		PR. DF		RECORDED BY	
DRAWN BY		TSG		NO.	
CHECKED BY		JRT		DATE	

11-3-94

SCANNED BY
BY LASON

BHI JOB NO. 93217.44



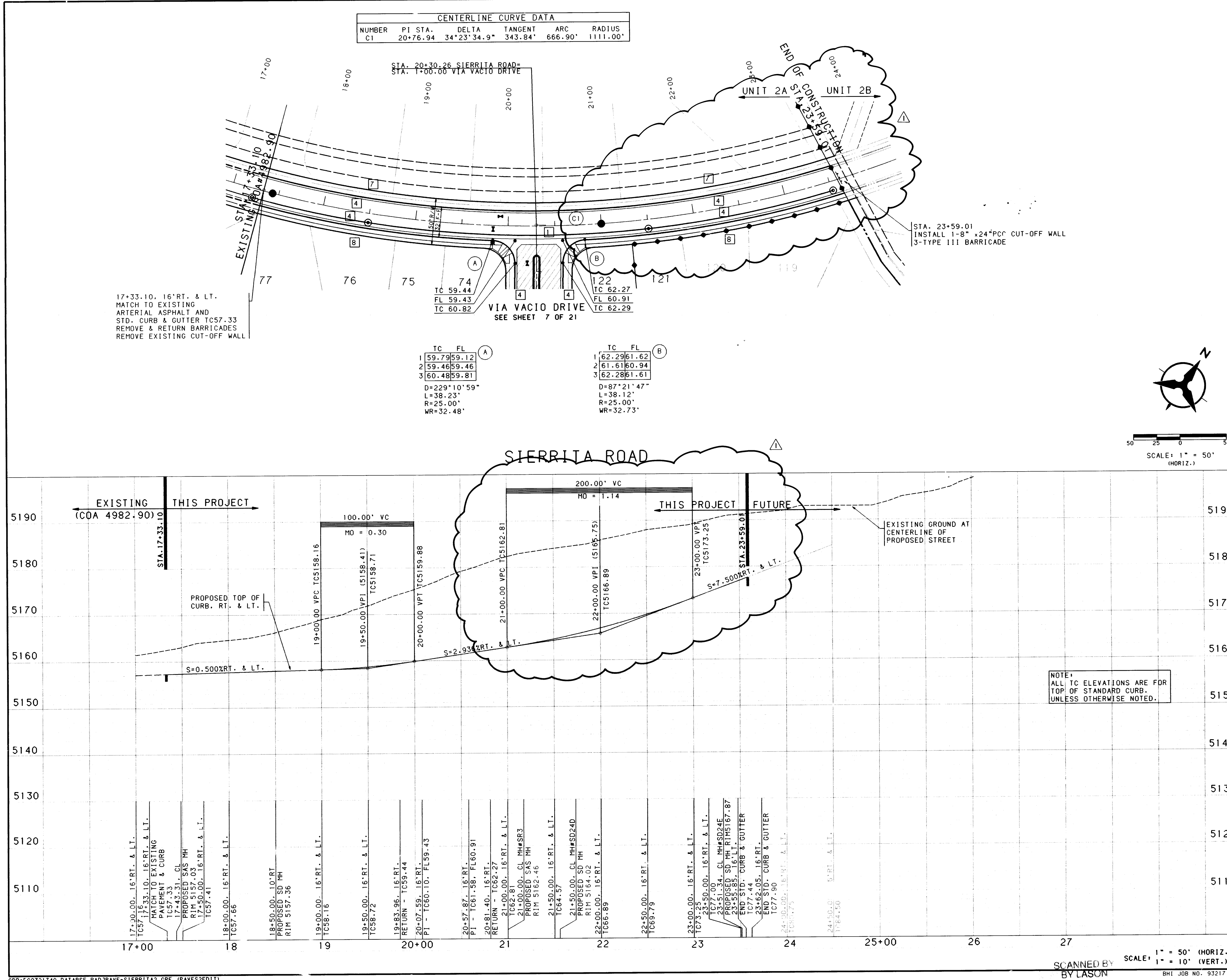
LEGEND	
PROJECT BOUNDARY	---
PROPOSED CURB & GUTTER	---
EXISTING CURB & GUTTER	---
FUTURE SIDEWALK	---
PROPOSED SANITARY SEWER MANHOLE	●
EXISTING SANITARY SEWER MANHOLE	○
PROPOSED FIRE HYDRANT	●
EXISTING FIRE HYDRANT	○
PROPOSED GATE VALVE	⊗
EXISTING GATE VALVE	⊙
PROPOSED STORM DRAIN LINE	---
PROPOSED STORM DRAIN MANHOLE	●
PROPOSED STORM DRAIN INLET	○
EXISTING STORM DRAIN LINE	---
EXISTING STORM DRAIN MANHOLE	●
EXISTING STORM DRAIN INLET	○
CROWN FLATTENING	---
PROPOSED STREET LIGHT	---
EXISTING STREET LIGHT	---

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
20	21	22	23	24	25	26	27	28	29	30	31	32	33	34

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
SEVEN BAR NORTH - UNIT II-A PAVING PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	NIA RWK	2-27-99
TRANSPORTATION			WASTE WATER	NIA RWK	2-27-99
HYDROLOGY					
DRAWING NO.	4982.91	MAP NO. A-13	SHEET 5	OF 1	

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES	
CONTRACTOR	COB, INC.	TBM NO. 205	CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL. ELEV. 5110.55	DATE	BY	NO.	
INSPECTOR'S SIGNATURE	ALS, INC.						
DATE	9/94						
VERIFICATION BY	ALS, INC.						
DATE	9/94						
CORRECTION BY	ALS, INC.						
DATE	9/94						
MICRO-FILM INFORMATION							
RECORDED BY							
NO.							

ENGINEER'S SEAL		DESIGNED BY		DATE	
PR		PR		DATE	
BY		BY		DATE	
REVISIONS		REVISIONS		DATE	
DESIGN		DESIGN		DATE	
PR. DF		PR. DF		DATE	
ISG. SV		ISG. SV		DATE	
URT		URT		DATE	



CENTERLINE CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	20+76.94	34°23'34.9"	343.84'	666.90'	1111.00'

TC	FL	
1	59.79	59.12
2	59.46	59.46
3	60.48	59.81

D=229°10'59"
L=38.23'
R=25.00'
WR=32.48'

TC	FL	
1	62.29	61.62
2	61.61	60.94
3	62.28	61.61

D=87°21'47"
L=38.12'
R=25.00'
WR=32.73'

NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL CURB RETURN RADI SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
- ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
- GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF CURB UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
- ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS, (NMUI AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
- WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

KEYED GENERAL NOTES

- INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
- INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
- INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE I
- STD. CURB & GUTTER AS PER STD. DWG. 2415
- ROLL CURB & GUTTER AS PER STD. DWG. 2415
- MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
- FUTURE 4' SIDEWALK
- BUILD 4' SIDEWALK
- BUILD 6' SIDEWALK

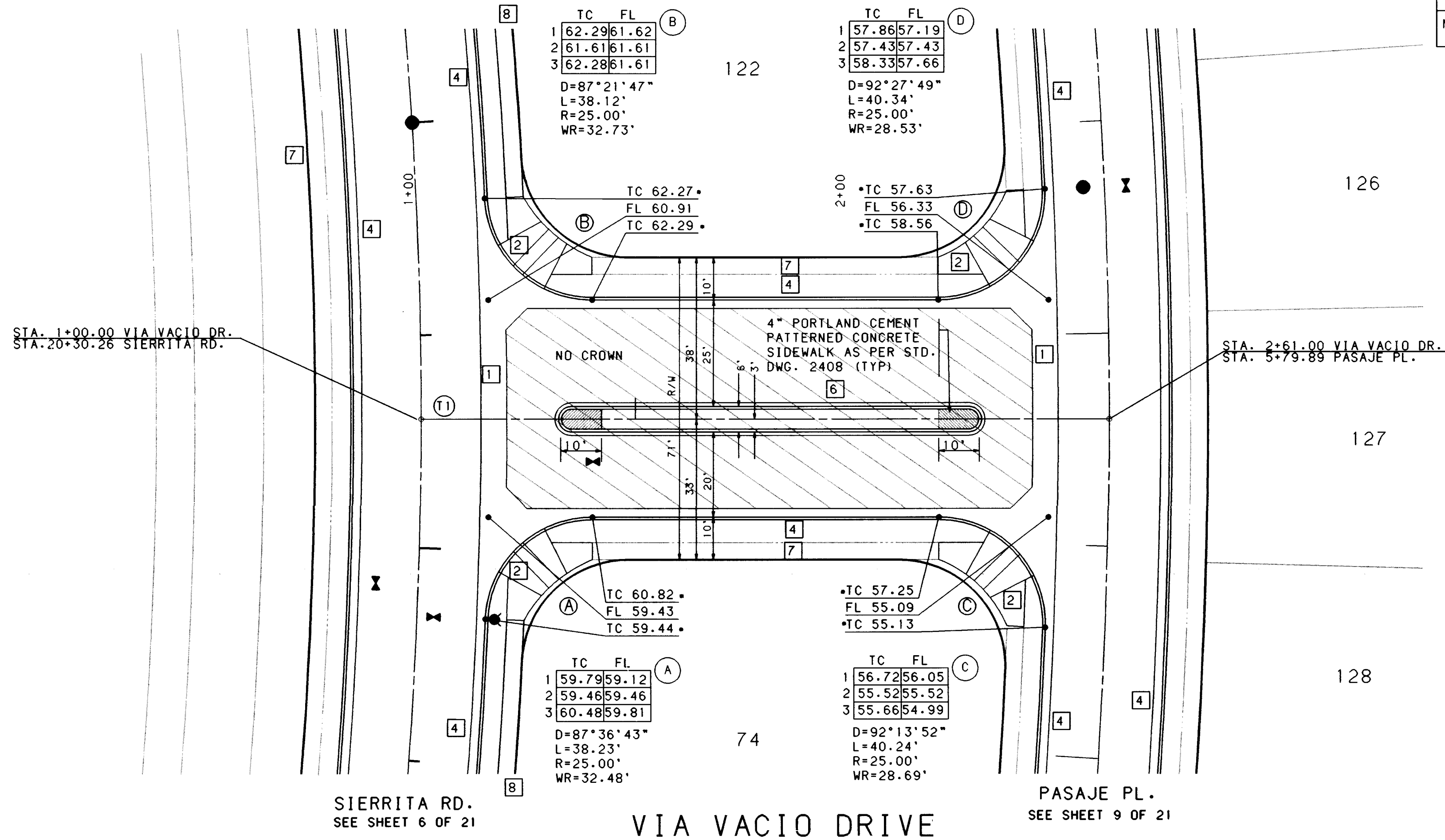
• NOT APPLICABLE THIS SHEET

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING**

**SEVEN BAR NORTH - UNIT II-A
PAVING PLAN & PROFILE
SIERRITA ROAD STA. 17+33.31 TO STA. 21+31.23**

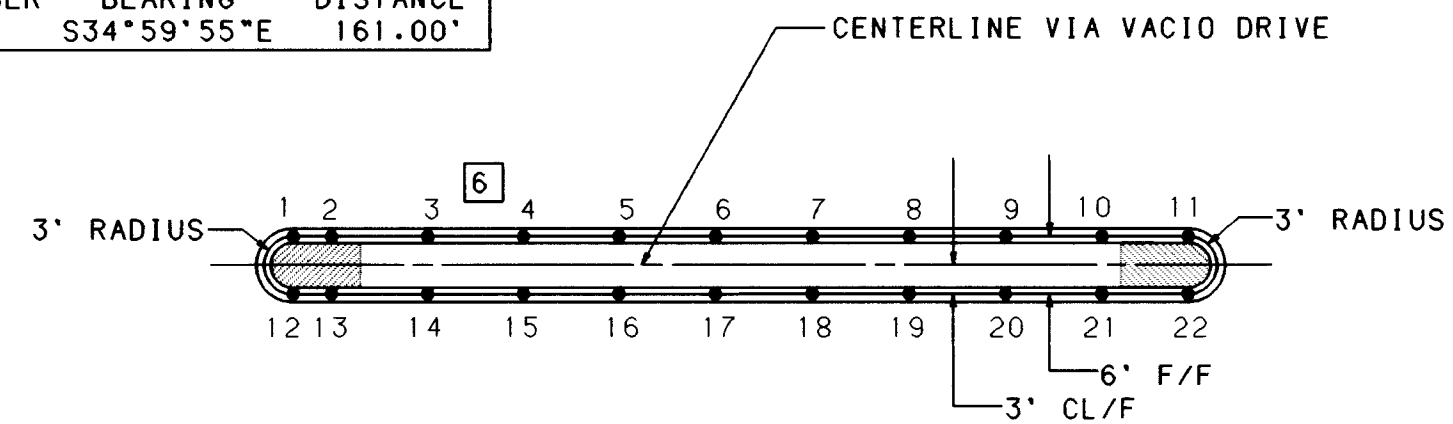
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN			WATER	N/A	2-27-95
TRANSPORTATION	R. Paul	2-27-95	WASTE WATER	N/A	2-27-95
HYDROLOGY			NMUI		

DRAWING NO. 4982.91 MAP NO. A-13 SHEET 6 OF 21



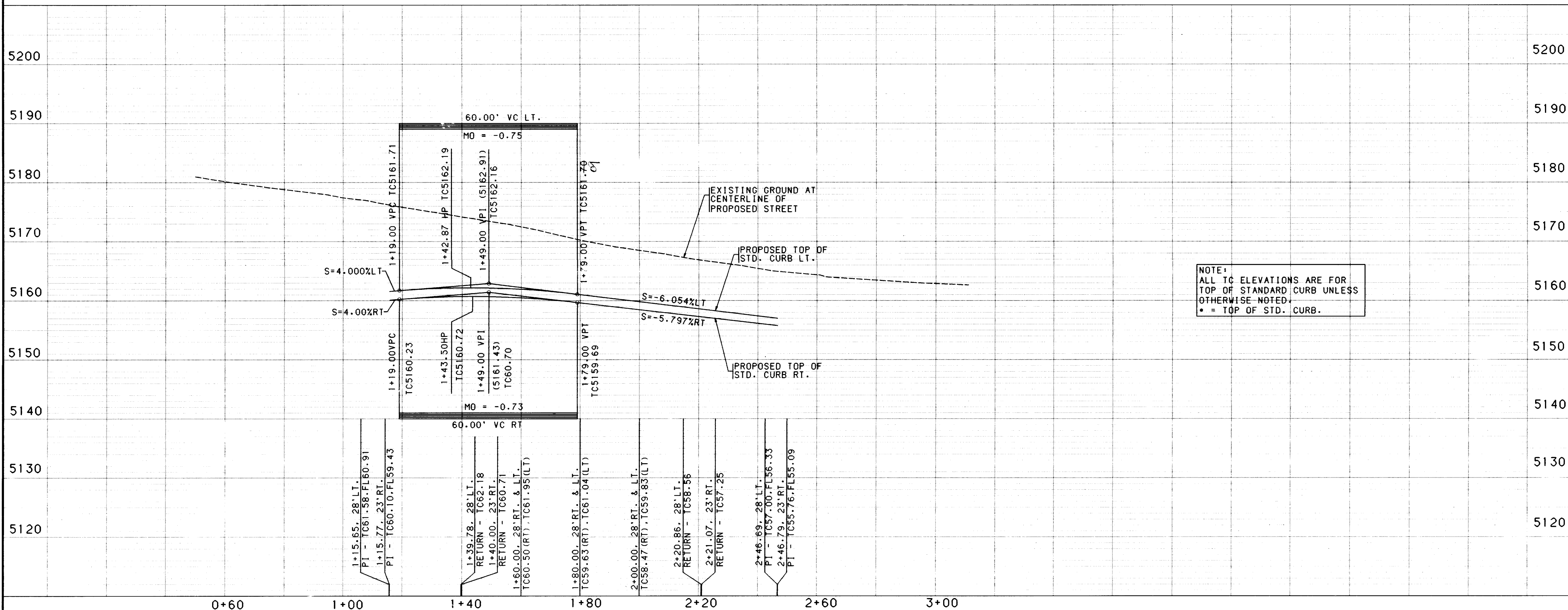
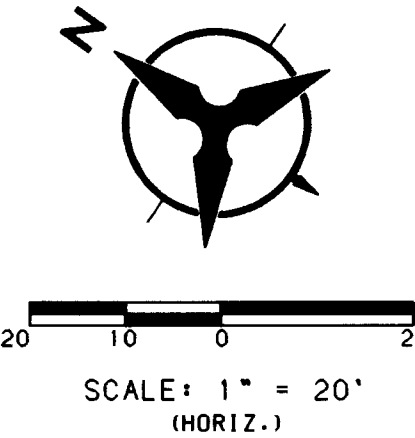
CL TANGENT DATA

NUMBER	BEARING	DISTANCE
11	S34°59'55"E	161.00'



MEDIAN CURB DETAIL
NO SCALE

PT	TC	FL	STATION & OFFSET	PT	TC	FL	STATION & OFFSET
1	61.25	60.75	1+35.00, 3.00'LT.	12	61.07	60.57	1+35.00, 3.00'RT.
2	61.29	60.79	1+40.00, 3.00'LT.	13	61.11	60.61	1+40.00, 3.00'RT.
3	61.26	60.76	1+50.00, 3.00'LT.	14	61.09	60.59	1+50.00, 3.00'RT.
4	61.07	60.57	1+60.00, 3.00'LT.	15	60.90	60.40	1+60.00, 3.00'RT.
5	60.70	60.20	1+70.00, 3.00'LT.	16	60.54	60.04	1+70.00, 3.00'RT.
6	60.24	59.74	1+80.00, 3.00'LT.	17	60.07	59.57	1+80.00, 3.00'RT.
7	59.64	59.14	1+90.00, 3.00'LT.	18	59.48	58.98	1+90.00, 3.00'RT.
8	59.05	58.55	2+00.00, 3.00'LT.	19	58.89	58.39	2+00.00, 3.00'RT.
9	58.46	57.96	2+10.00, 3.00'LT.	20	58.30	57.80	2+10.00, 3.00'RT.
10	57.87	57.37	2+20.00, 3.00'LT.	21	57.71	57.21	2+20.00, 3.00'RT.
11	57.33	56.83	2+28.00, 3.00'LT.	22	57.18	56.68	2+28.00, 3.00'RT.



NOTE:
ALL TC ELEVATIONS ARE FOR
TOP OF STANDARD CURB UNLESS
OTHERWISE NOTED.
* = TOP OF STD. CURB.

- NOTES
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 2. ALL CURB RETURN RADI SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 3. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
 4. GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF CURB UNLESS OTHERWISE SPECIFIED.
 5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
 6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
 7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 8. CONTRACTOR SHALL PROVIDE THE INSPECTORS, (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
 9. CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
 10. ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
 11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
 12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
20-9982.91 0795

KEYED GENERAL NOTES

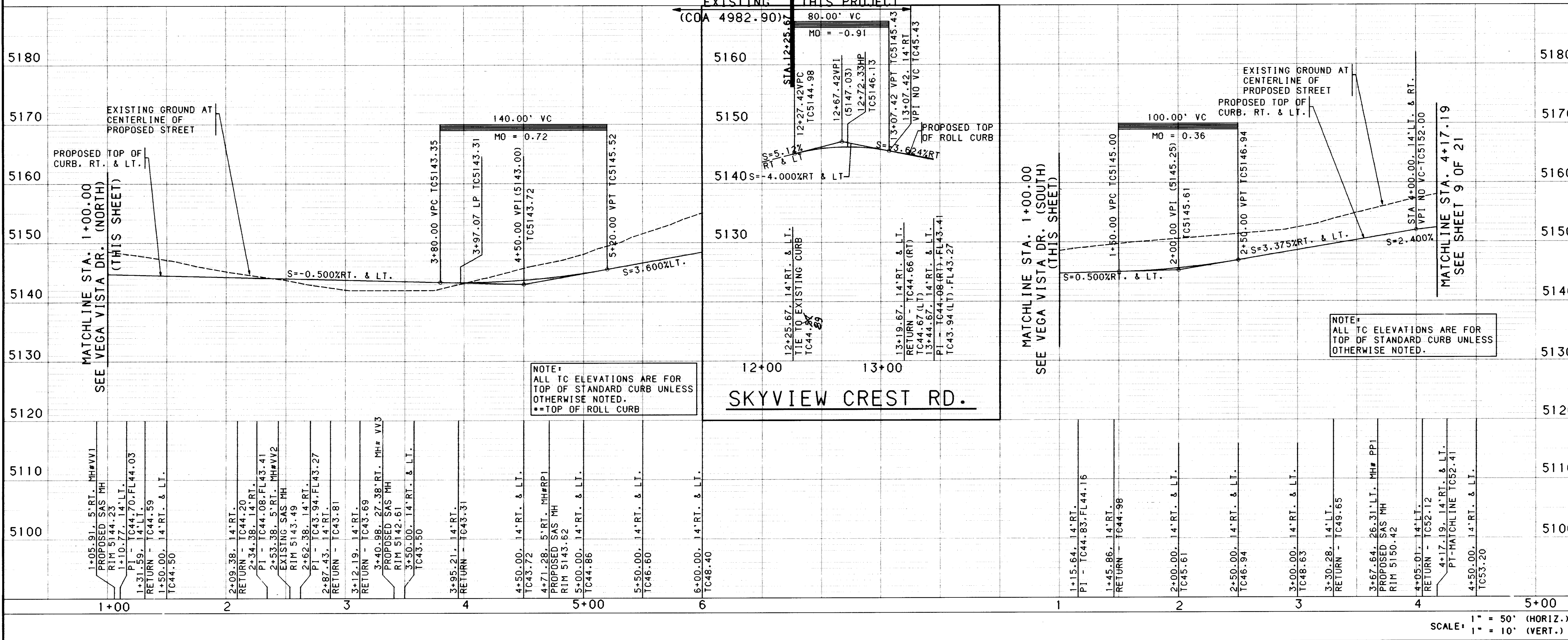
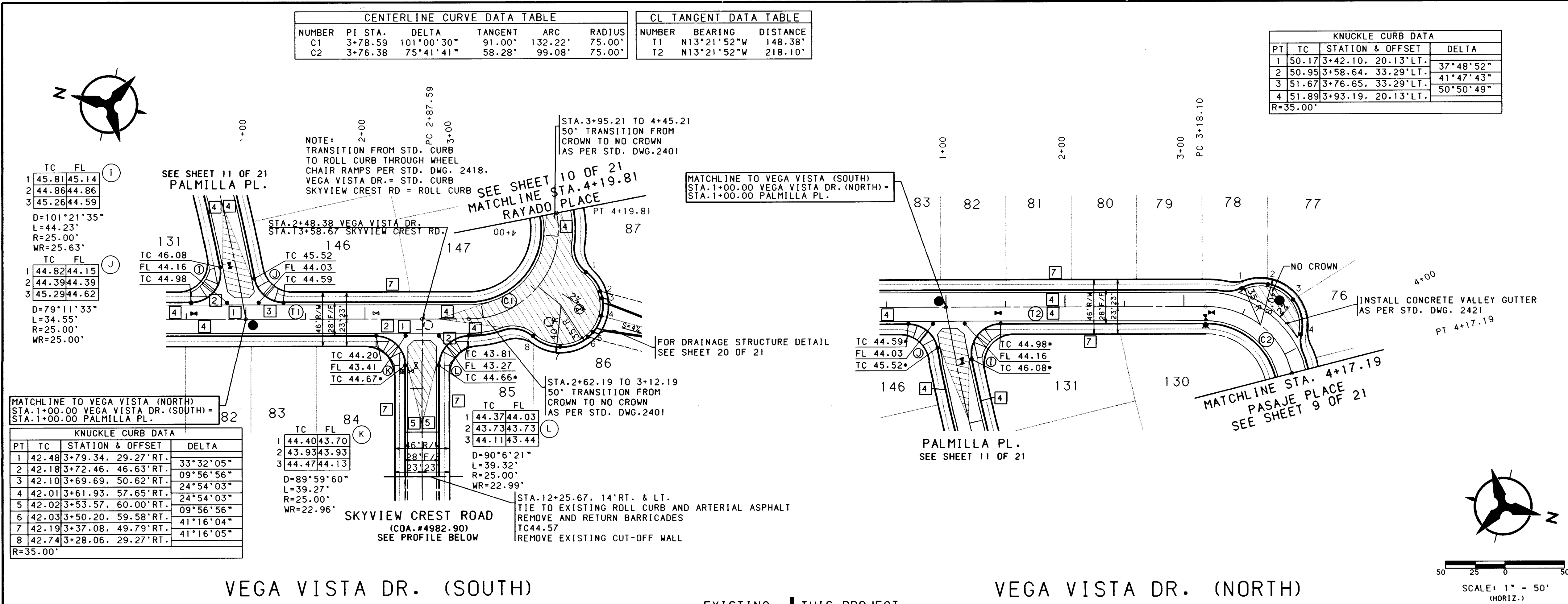
1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
 2. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
 3. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE I
 4. STD. CURB & GUTTER AS PER STD. DWG. 2415
 5. ROLL CURB & GUTTER AS PER STD. DWG. 2415
 6. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
 7. FUTURE 4' SIDEWALK
 8. BUILD 4' SIDEWALK
 9. BUILD 6' SIDEWALK
- * NOT APPLICABLE THIS SHEET

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

SEVEN BAR NORTH - UNIT II-A
PAVING PLAN & PROFILE
VIA VACIO DRIVE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	12-16-94	12-16-94	WATER	N/A RWK	11-9-94
TRANSPORTATION	11-10-94	11-10-94	WASTE WATER	N/A RWK	11-9-94
HYDROLOGY	11-10-94	11-10-94	NHUI		

DRAWING NO. 4982.91 MAP NO. A-13 SHEET 7 OF 21



NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL CURB RETURN RADI SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
- ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
- GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF CURB UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
- ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
- WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

KEYED GENERAL NOTES

- INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
- INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
- INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE I
- STD. CURB & GUTTER AS PER STD. DWG. 2415
- ROLL CURB & GUTTER AS PER STD. DWG. 2415
- MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
- FUTURE 4' SIDEWALK
- BUILD 4' SIDEWALK
- BUILD 6' SIDEWALK

• NOT APPLICABLE THIS SHEET

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

SEVEN BAR NORTH - UNIT II-A
PAVING PLAN & PROFILE
VEGA VISTA DRIVE / SKYVIEW CREST ROAD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DR. CHAIRMAN	<i>[Signature]</i>	12-16-94	WATER	N/A	RWE 11-2-94
TRANSPORTATION	<i>[Signature]</i>	11-10-94	WASTE WATER	N/A	RWE 11-2-94
HYDROLOGY	<i>[Signature]</i>	12-6-94	NHUI		

DRAWING NO. 4982.91 MAP NO. A-13 SHEET 8 OF 21

AS-BUILT INFORMATION

CONTRACTOR: **COM INC.**
INSPECTOR'S: **ALS INC.**
DATE: **12-16-94**

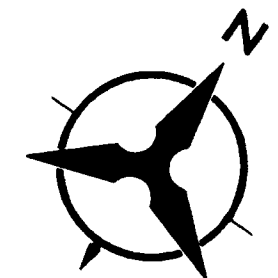
ENGINEER'S SEAL SURVEY INFORMATION

NO. **1** BY **DATE** **12-16-94**

REVISIONS

NO.	DATE	REMARKS	DESIGNED BY	PR. OF	TSC	DATE	4/94

CHECKED BY: **JRT** DATE: **4/94**



TC	FL	③
1	56.7256.05	
2	55.5265.52	
3	55.6655.32	
D=92°13'52"		
L=40.24'		
R=25.00'		
WR=22.96'		

TC	FL	④
1	57.8657.19	
2	57.4357.43	
3	58.3357.66	
D=92°27'49"		
L=40.34'		
R=25.00'		
WR=23.02'		

CENTERLINE CURVE DATA					
NUMBER	PI	STA.	DELTA	TANGENT	ARC RADIUS
C1	5+69.73	13+40.38	4°	152.55'	303.64'
C2	7+60.63	3+35.02	39.80°	79.57'	1272.00'
C3	5+71.33	86.48	25°	76.93'	113.53'

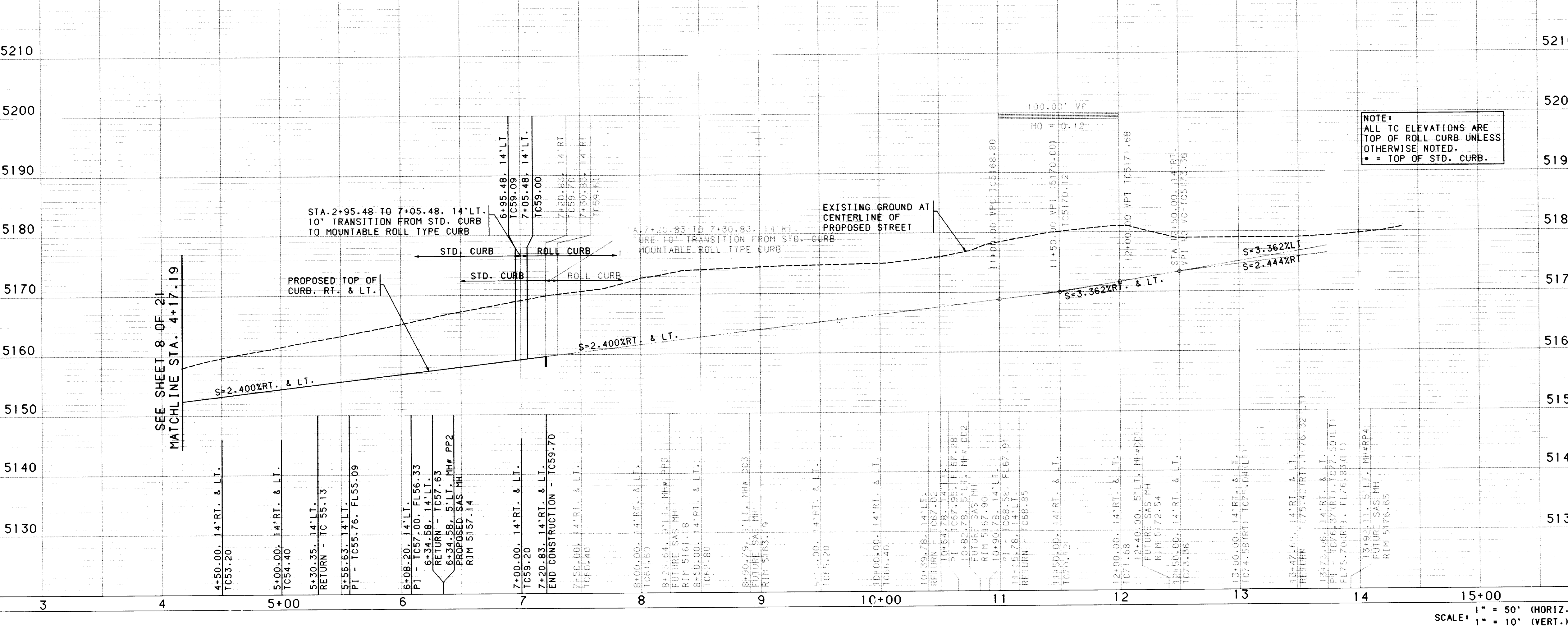
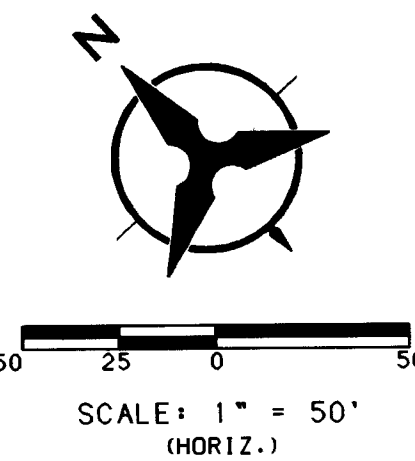
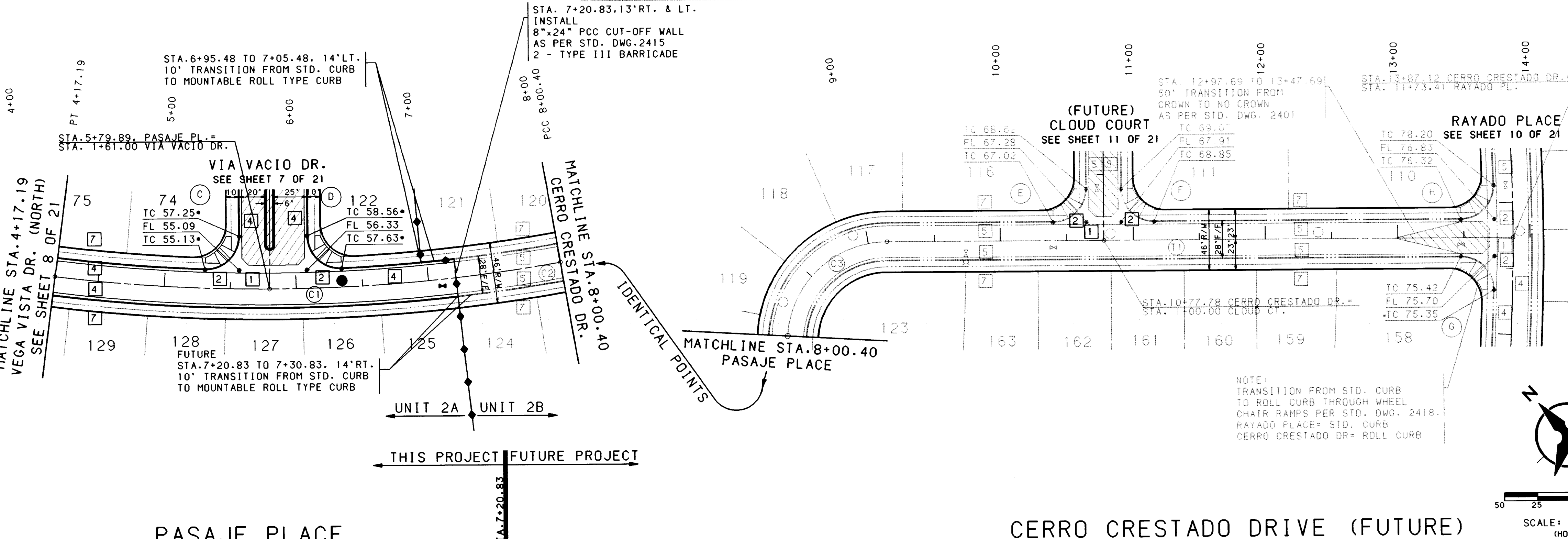
CL TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	S48°07'23"E	473.09'

TC	FL	⑤
1	68.2267.68	
2	67.4867.48	
3	67.4267.08	
D=89°59'60"		
L=39.27'		
R=25.00'		
WR=22.96'		

TC	FL	⑥
1	68.9168.57	
2	68.6368.63	
3	69.0268.68	
D=89°59'60"		
L=39.27'		
R=25.00'		
WR=22.96'		

TC	FL	⑦
1	75.3274.98	
2	74.8874.88	
3	75.4574.78	
D=91°15'22"		
L=39.82'		
R=25.00'		
WR=23.25'		

TC	FL	⑧
1	77.7377.39	
2	76.9276.92	
3	76.7976.45	
D=91°15'22"		
L=39.82'		
R=25.00'		
WR=23.25'		



NOTE:
ALL TC ELEVATIONS ARE
TOP OF ROLL CURB UNLESS
OTHERWISE NOTED.
• = TOP OF STD. CURB.

NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL CURB RETURN RADIUS SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
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- GRADE ELEVATIONS, WHERE NOTED, ARE FOR TOP OF CURB UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR IS TO INSTALL A 4"x4"x5" POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.
- CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
- ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
- CONTRACTOR SHALL PROVIDE THE INSPECTORS (CITY AND PRIVATE) WITH THE PROPOSED HYDROSTATIC TESTING PLAN. THE PLAN MUST BE APPROVED BEFORE TESTING OPERATIONS BEGIN.
- CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF RESIDENTS OR OTHER CONTRACTORS ON SITE.
- ANY DAMAGE TO THE EXISTING FACILITIES (CURB AND GUTTER, PAVEMENT, CONDUITS, LANDSCAPING, UTILITY LINES, ETC.) DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE.
- REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
- WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

ENGINEER'S SEAL SURVEY INFORMATION

NO.	DATE	BY
1	2/6/94	AS
2	4/9/94	AS
3	8/2/94	AS
4	9/1/94	AS
5	10/9/94	AS

KEYED GENERAL NOTES

- INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
- INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE 11
- INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE 1
- STD. CURB & GUTTER AS PER STD. DWG. 2415
- ROLL CURB & GUTTER AS PER STD. DWG. 2415
- MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
- FUTURE 4' SIDEWALK
- BUILD 4' SIDEWALK
- BUILD 6' SIDEWALK
- NOT APPLICABLE THIS SHEET

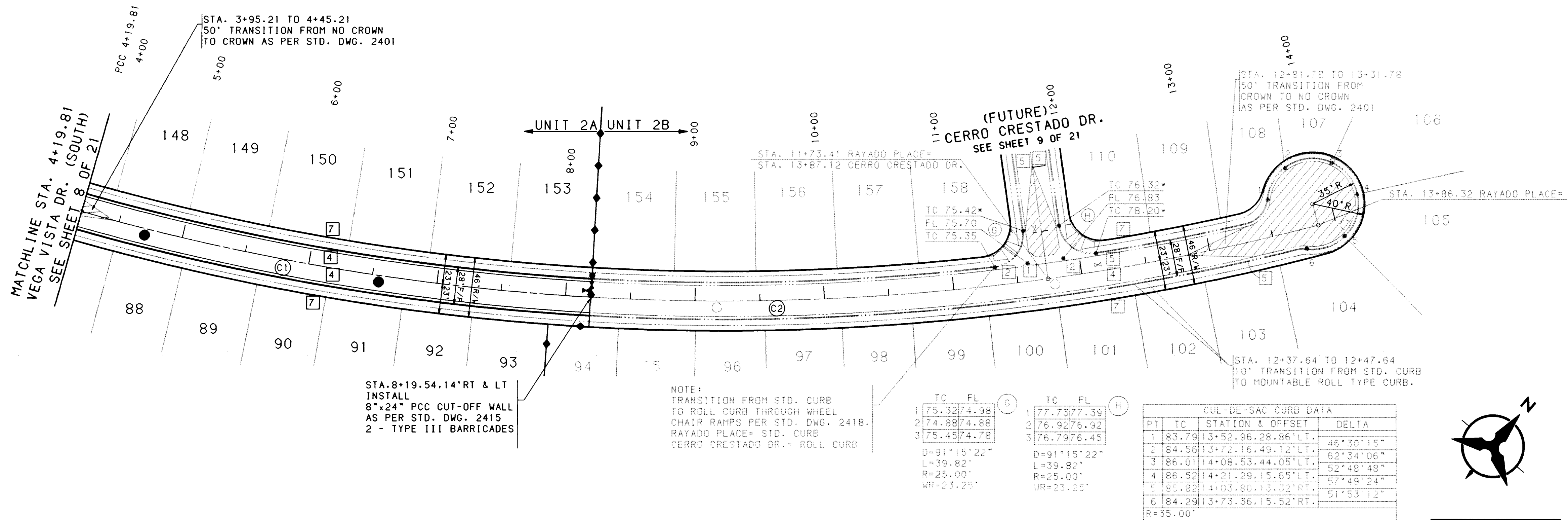
**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING**

**SEVEN BAR NORTH - UNIT II-A
PAVING PLAN & PROFILE
PASAJE PL. / CERRO CRESTADO DR. (FUTURE)**

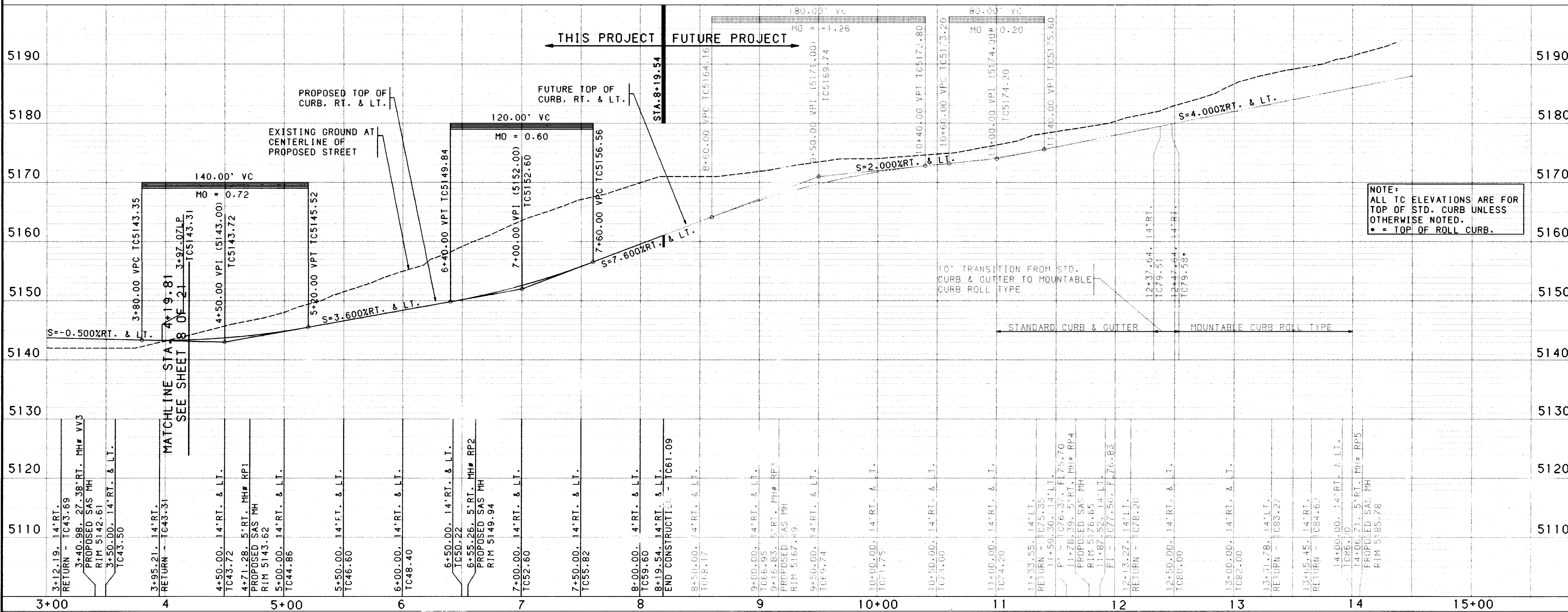
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	AS	12-16-94	WATER	N/A RWE	11-9-94
TRANSPORTATION	AS	11-10-94	WASTE WATER	N/A RWE	11-9-94
HYDROLOGY	AS	12-16-94	HMU		

DRAWING NO. 4982.91 MAP NO. A-13 SHEET 9 OF 21

CENTERLINE CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	6+20.48	12°35'52"	200.67'	399.73'	1818.00'
C2	11+05.24	17°51'45"	285.71'	566.78'	1818.00'



RAYADO PLACE



- NOTES**
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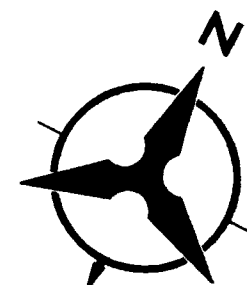
KEYED GENERAL NOTES

- INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
- INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
- INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE I
- STD. CURB & GUTTER AS PER STD. DWG. 2415
- ROLL CURB & GUTTER AS PER STD. DWG. 2415
- MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
- FUTURE 4' SIDEWALK
- BUILD 4' SIDEWALK
- BUILD 6' SIDEWALK

* NOT APPLICABLE THIS SHEET

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING			
SEVEN BAR NORTH - UNIT II-A PAVING PLAN & PROFILE RAYADO PLACE			
APPROVALS	ENGINEER	DATE	APPROVALS
DRG. CHAIRMAN	12-16-94	12-16-94	WATER
*TRANSPORTATION	11-10-94	11-10-94	WASTE WATER
*HYDROLOGY	12-16-94	12-16-94	MHUI
DESIGNED BY	PR. DF	DATE	4/94
DRAWN BY	TSG	DATE	4/94
CHECKED BY	JRT	DATE	4/94

DRAWING NO.	4982.91	MAP NO.	A-13	SHEET	10 OF 21
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STA. 1+00.00 PALMILLA PLACE
STA. 1+00.00 VEGA VISTA DRIVE

TC	FL
1 45.81	45.14
2 44.86	44.86
3 45.26	44.59

TC	FL
1 44.82	44.15
2 44.39	44.39
3 45.29	43.62

TC	FL
1 68.22	67.88
2 67.48	67.48
3 67.42	67.08

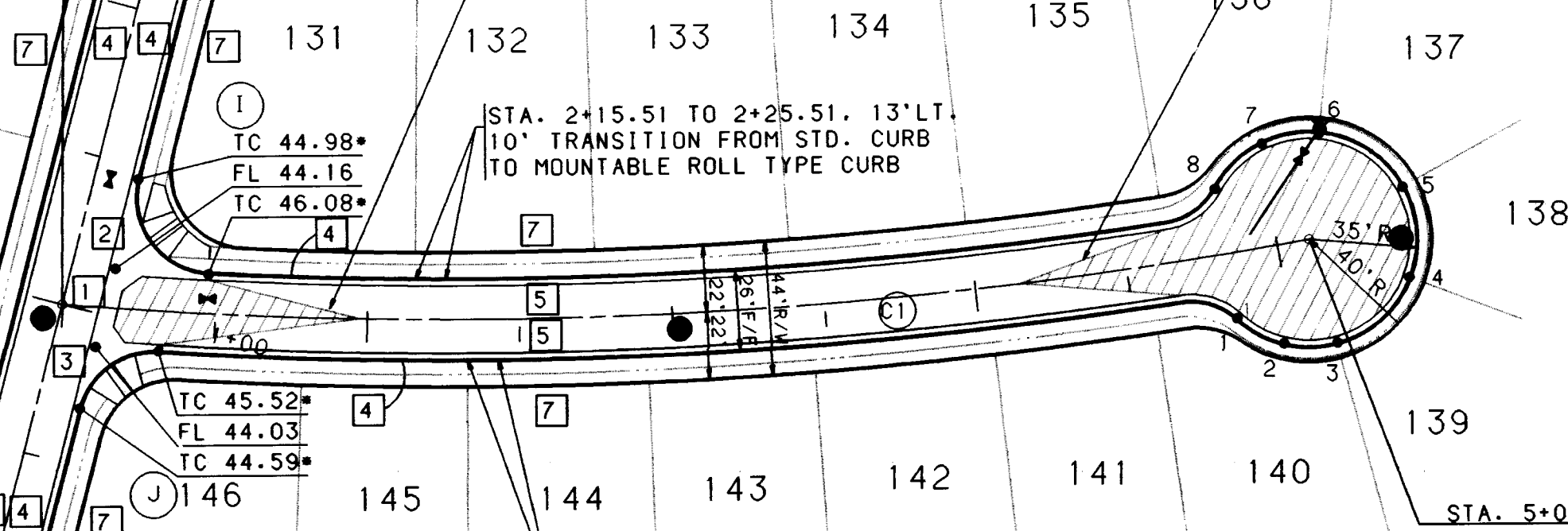
TC	FL
1 68.91	68.57
2 68.63	68.63
3 69.02	68.68



STA. 1+00.00 CLOUD COURT
STA. 10+77.78 CERRO CRESTADO DRIVE

STA. 2+77.14 CLOUD COURT

VEGA VISTA DR.
SEE SHEET 8 OF 21



CENTERLINE CURVE DATA

NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	3+05.66	15° 9' 53.5"	205.67'	408.93'	1545.00'

PT	TC	STATION & OFFSET	DELTA
1	59.14	4+81.23, 21.65' LT.	33° 35' 20"
2	59.82	4+98.06, 33.31' LT.	33° 35' 20"
3	60.63	5+18.51, 33.66' LT.	55° 09' 29"
4	61.57	5+42.03, 11.36' LT.	55° 03' 47"
5	61.45	5+38.89, 18.09' RT.	55° 03' 47"
6	60.37	5+11.86, 34.88' RT.	28° 52' 55"
7	59.69	4+94.94, 32.02' RT.	28° 52' 55"
8	59.15	4+81.37, 21.34' RT.	33° 35' 20"
R=35.00'			

PALMILLA PL.

CERRO CRESTADO DR.
SEE SHEET 9 OF 21
(FUTURE)

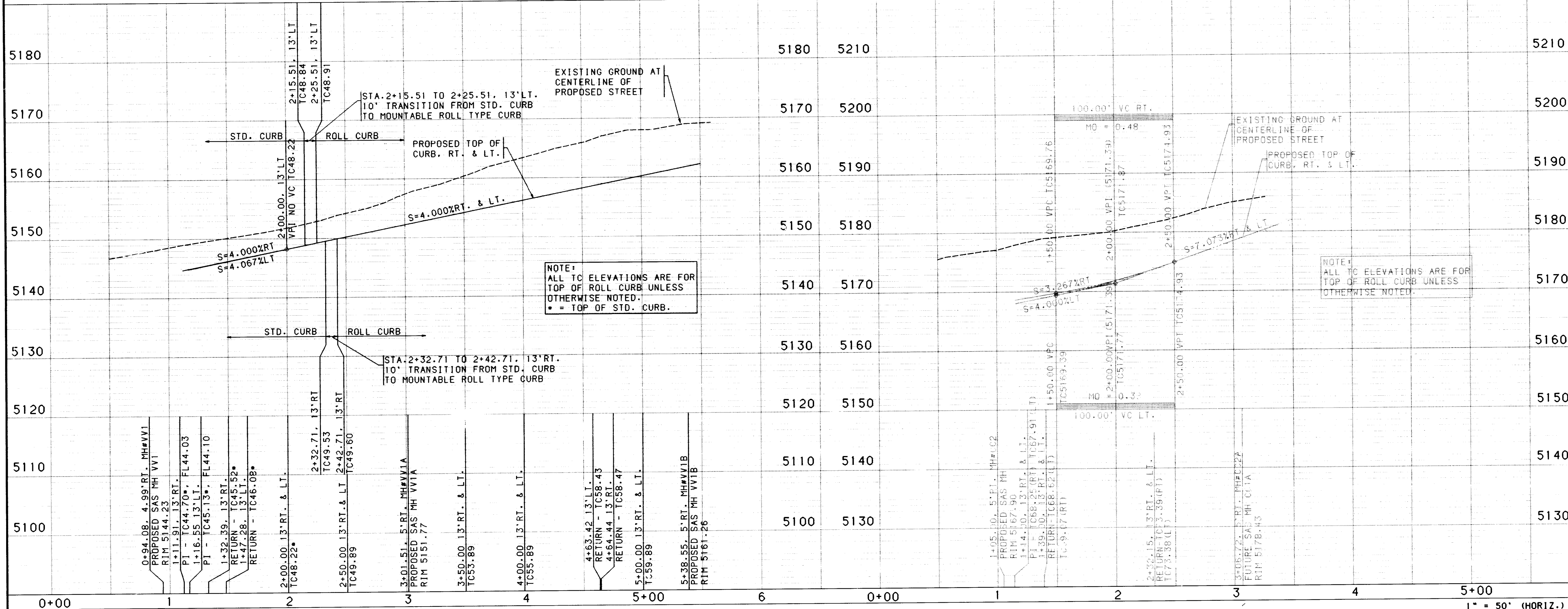
TANGENT DATA

NUMBER	BEARING	DISTANCE
T1	S41° 52' 37" W	177.14'

PT	TC	STATION & OFFSET	DELTA
1	74.56	2+49.52, 21.49' LT.	35° 31' 44"
2	75.81	2+67.15, 33.54' LT.	35° 31' 44"
3	76.32	2+88.50, 33.10' LT.	35° 31' 44"
4	78.53	3+05.63, 20.34' LT.	35° 31' 44"
5	78.29	3+12.14, CL	35° 31' 44"
6	78.53	3+05.63, 20.34' RT.	35° 31' 44"
7	77.32	2+88.50, 33.10' RT.	35° 31' 44"
8	75.81	2+67.15, 33.54' RT.	35° 31' 44"
9	74.56	2+49.52, 21.49' RT.	35° 31' 44"
R=35.00', L=21.70' (BETWEEN POINTS)			

SCALE: 1" = 50' (HORIZ.)

CLOUD CT. (FUTURE)

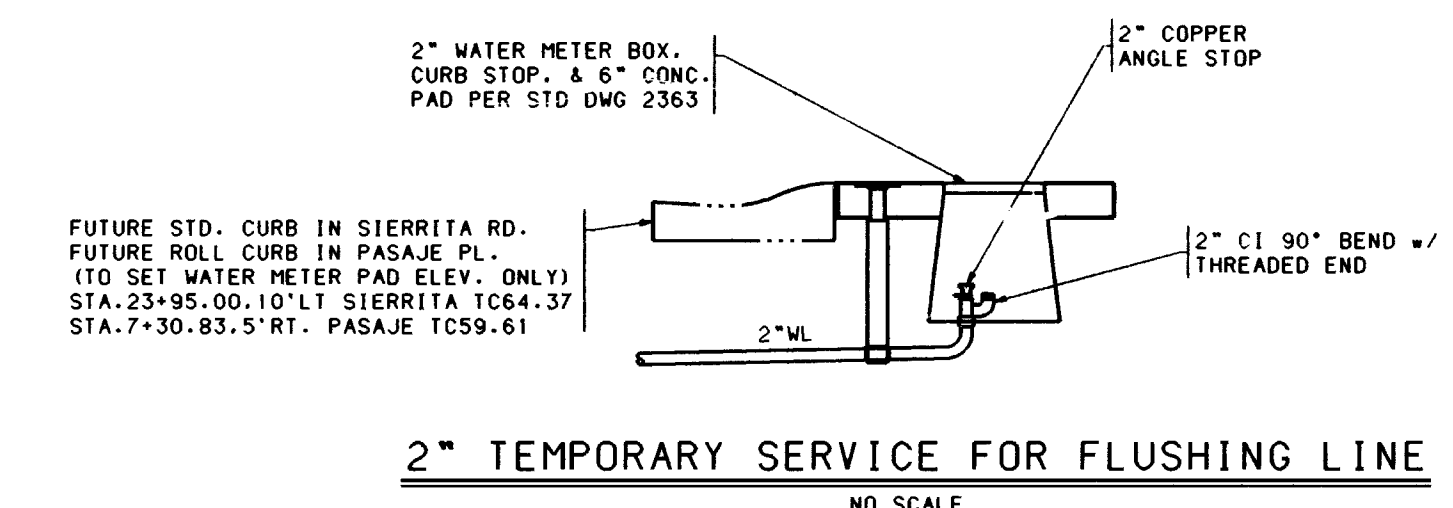
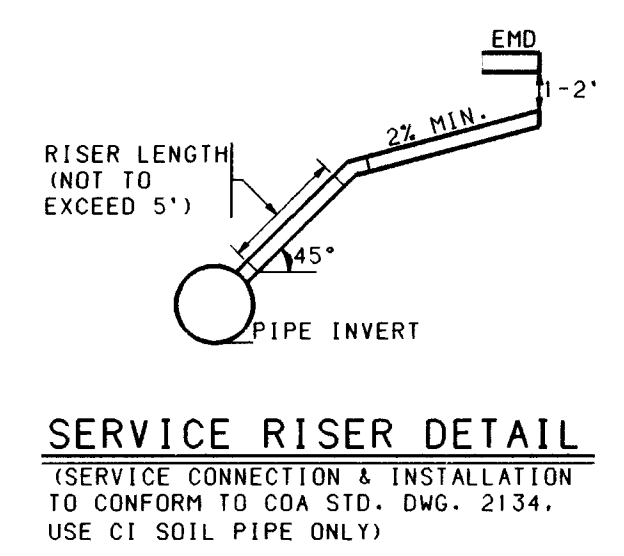
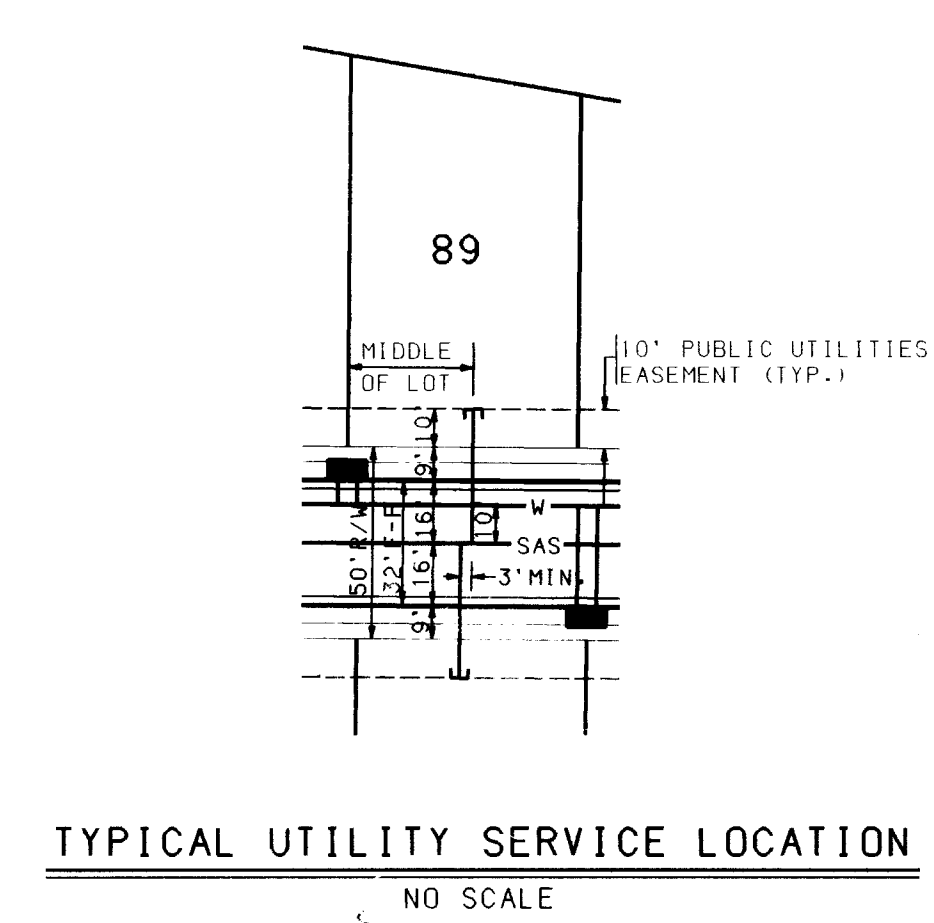
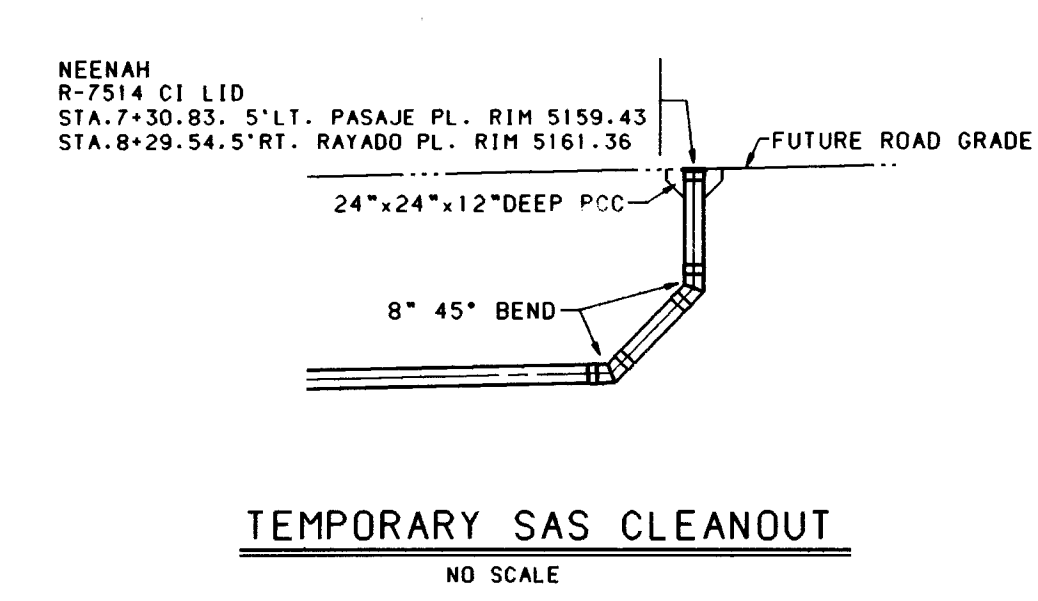
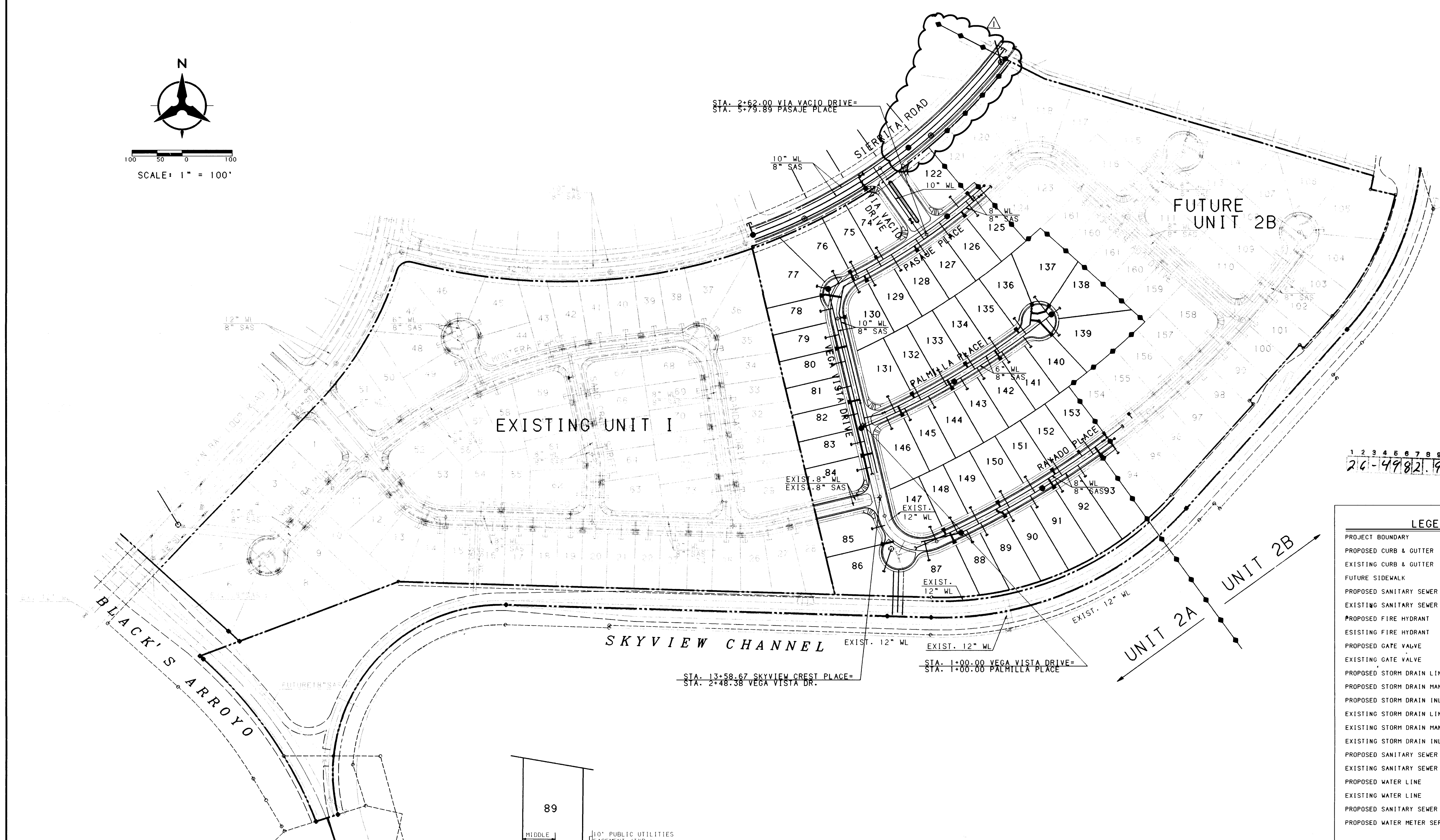
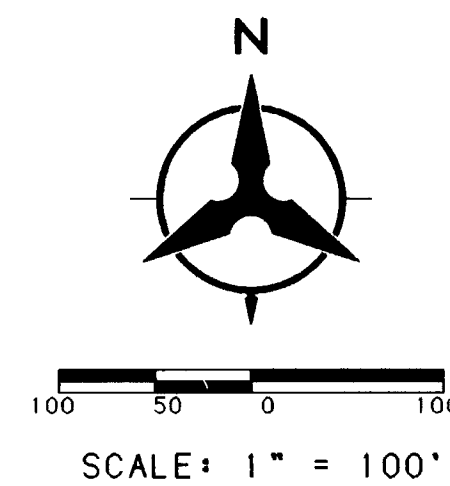


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 2. ALL CURB RETURN RADII SHALL BE 25' TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
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 12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

KEYED GENERAL NOTES

1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
 2. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
 3. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE I
 4. STD. CURB & GUTTER AS PER STD. DWG. 2415
 5. ROLL CURB & GUTTER AS PER STD. DWG. 2415
 6. MEDIAN CURB & GUTTER AS PER STD. DWG. 2415
 7. FUTURE 4' SIDEWALK
 8. BUILD 4' SIDEWALK
 9. BUILD 6' SIDEWALK
- NOT APPLICABLE THIS SHEET

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING			
SEVEN BAR NORTH - UNIT II-A PAVING PLAN & PROFILE PALMILLA PL. / CLOUD CT. (FUTURE)			
APPROVALS	ENGINEER	DATE	APPROVALS
DRC CHAIRMAN	<i>[Signature]</i>	12-16-94	WATER
TRANSPORTATION	<i>[Signature]</i>	11-16-94	WASTE WATER
HYDROLOGY	<i>[Signature]</i>	12-16-94	MMUJ
DRAWING NO.	4982.91	MAP NO.	A-13
SHEET 11 OF 21		DATE: SEPT. 30, 1994	

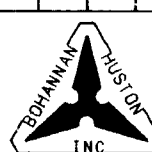


LEGEND

PROJECT BOUNDARY	
PROPOSED CURB & GUTTER	
EXISTING CURB & GUTTER	
FUTURE SIDEWALK	
PROPOSED SANITARY SEWER MANHOLE	
EXISTING SANITARY SEWER MANHOLE	
PROPOSED FIRE HYDRANT	
EXISTING FIRE HYDRANT	
PROPOSED GATE VALVE	
EXISTING GATE VALVE	
PROPOSED STORM DRAIN LINE	
PROPOSED STORM DRAIN MANHOLE	
PROPOSED STORM DRAIN INLET	
EXISTING STORM DRAIN LINE	
EXISTING STORM DRAIN MANHOLE	
EXISTING STORM DRAIN INLET	
PROPOSED SANITARY SEWER LINE	
EXISTING SANITARY SEWER LINE	
PROPOSED WATER LINE	
EXISTING WATER LINE	
PROPOSED SANITARY SEWER SERVICE	
PROPOSED WATER METER SERVICE	

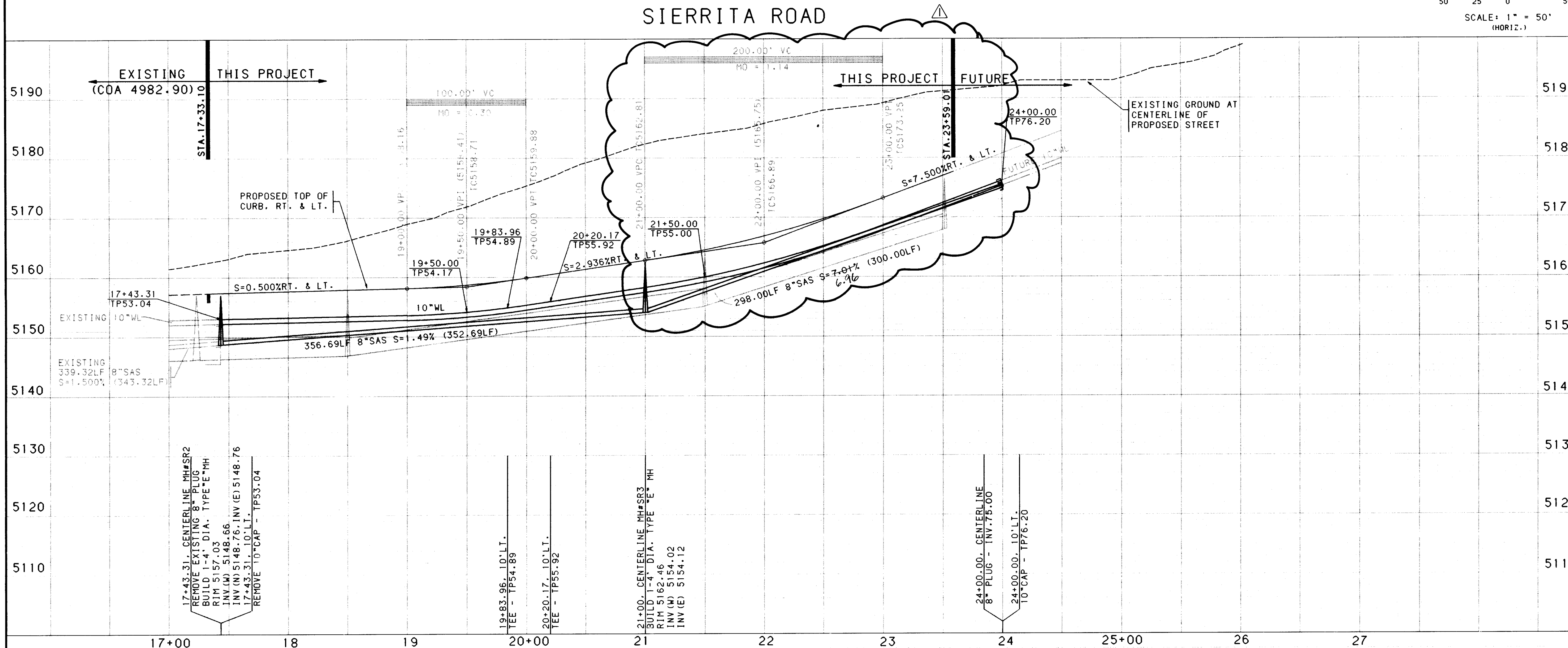
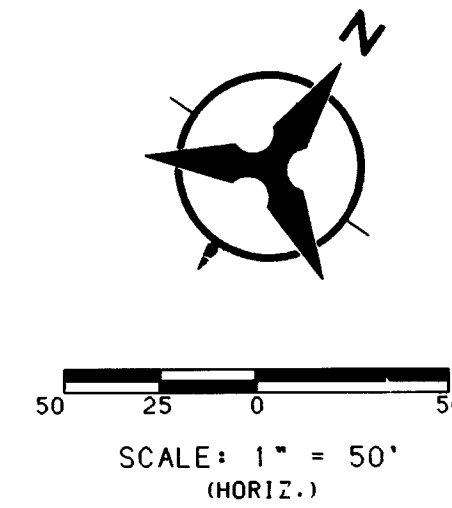
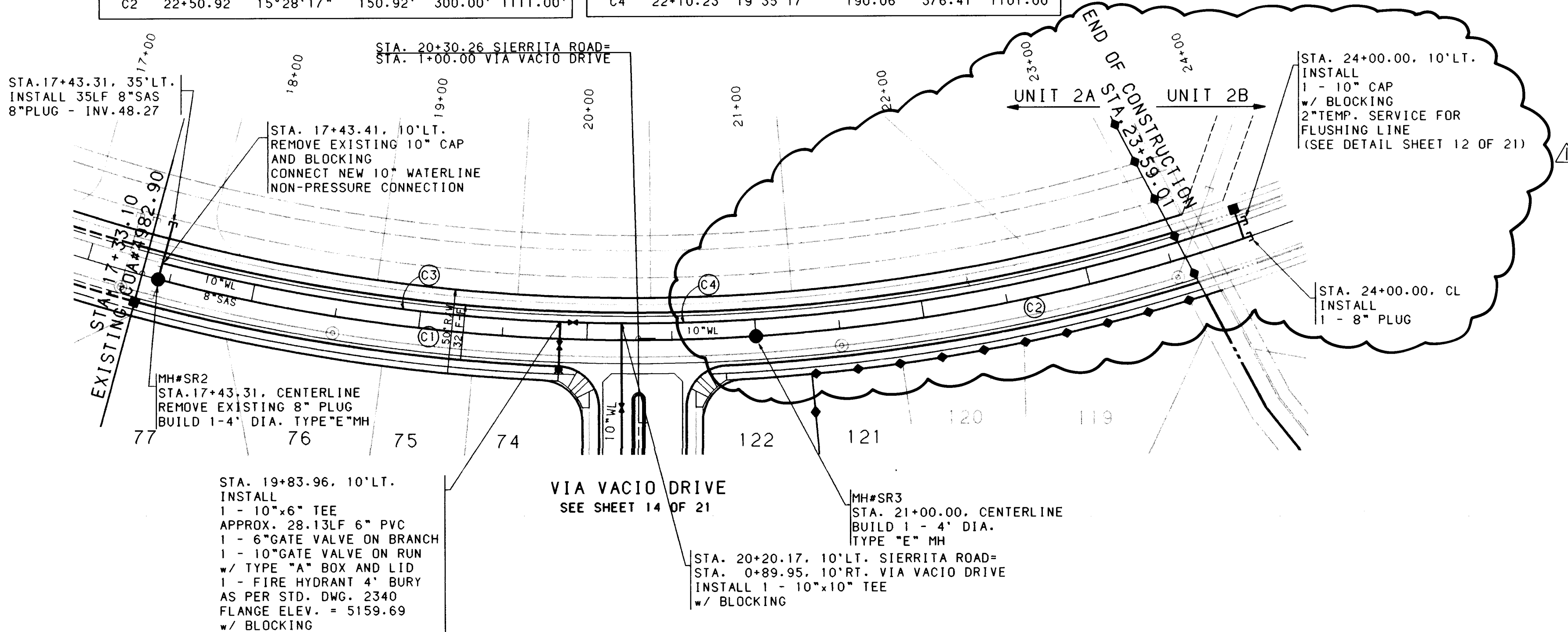
SURVEY INFORMATION	FIELD NOTES	DATE	TBM NO. 205	BENCH MARKS	AS-BUILT INFORMATION
NO.	BY		CHISED "X" LOCATED APPROXIMATELY 459 FEET		CONTRACTOR <u>CCM INC.</u>
			SOUTH OF THE BLACK'S DIVERSION INLET		DRAWN BY <u>ALS INC.</u>
			STRUCTURE ON THE EAST WALL.		DATE <u>6/19/94</u>
			ELEV. 5110.55		VERIFICATION BY <u>ALS INC.</u>
					DATE <u>6/19/94</u>
					MICRO-FILM INFORMATION
					RECORDED BY
					DATE
					NO.

[illegible]

		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP			
SEVEN BAR NORTH - UNIT II-A UTILITY PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
ERC CHAIRMAN			WATER	<i>R.W. Kane</i>	<i>2-27-95</i>
TRANSPORTATION	<i>N. H. H.</i>	<i>2-27-95</i>	WASTE WATER	<i>R.W. Kane</i>	<i>2-27-95</i>
HYDROLOGY	<i>[Signature]</i>	<i>[Signature]</i>	NMU1		
DRAWING NO.		MAP NO.		SHEET	
4982.91		A-13		12 OF 21	
Copyright Bohannan-Houston, Inc., 1994					

SEWERLINE CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	19+23.21	18°23'41"	179.89'	356.69'	1111.00'
C2	22+50.92	15°28'17"	150.92'	300.00'	1111.00'

WATERLINE CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C3	18+81.21	14°16'41"	137.90'	274.37'	1101.00'
C4	22+10.23	19°35'17"	190.06'	376.41'	1101.00'



NOTES

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AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	BM NO.	DATE	NO.	DATE	PR	BY
INSPECTOR'S ACCEPTANCE	DATE	CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.	DATE				
DRAWING BY	DATE	ELEV.					
MICRO-FILM INFORMATION	RECORDED BY						
	NO.						

SCANNED BY BY LASON

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4982.91 9/1 1/3/95

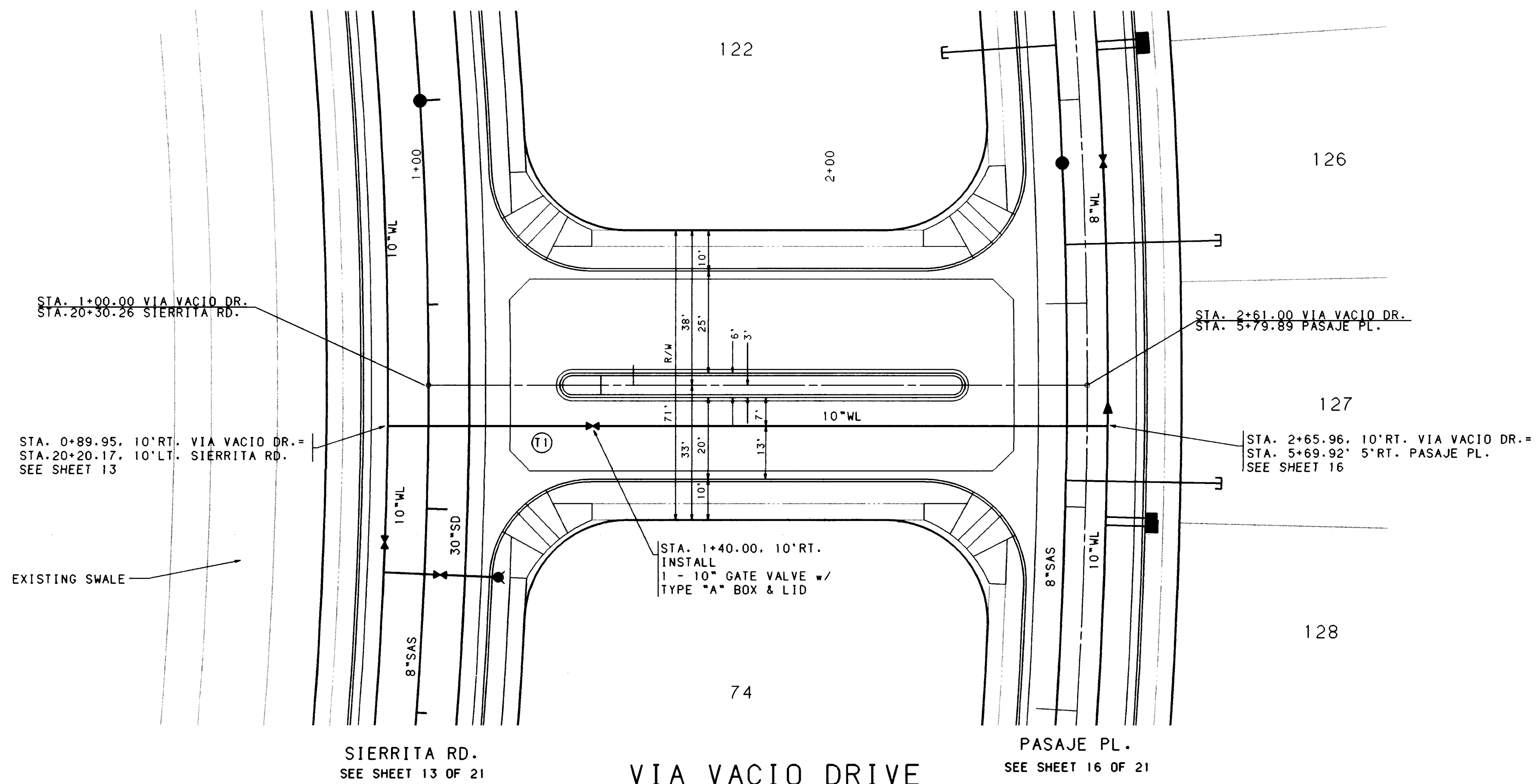
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

SEVEN BAR NORTH - UNIT II-A
UTILITY PLAN & PROFILE
SIERRITA ROAD STA. 17+33.31 TO STA. 21+31.23

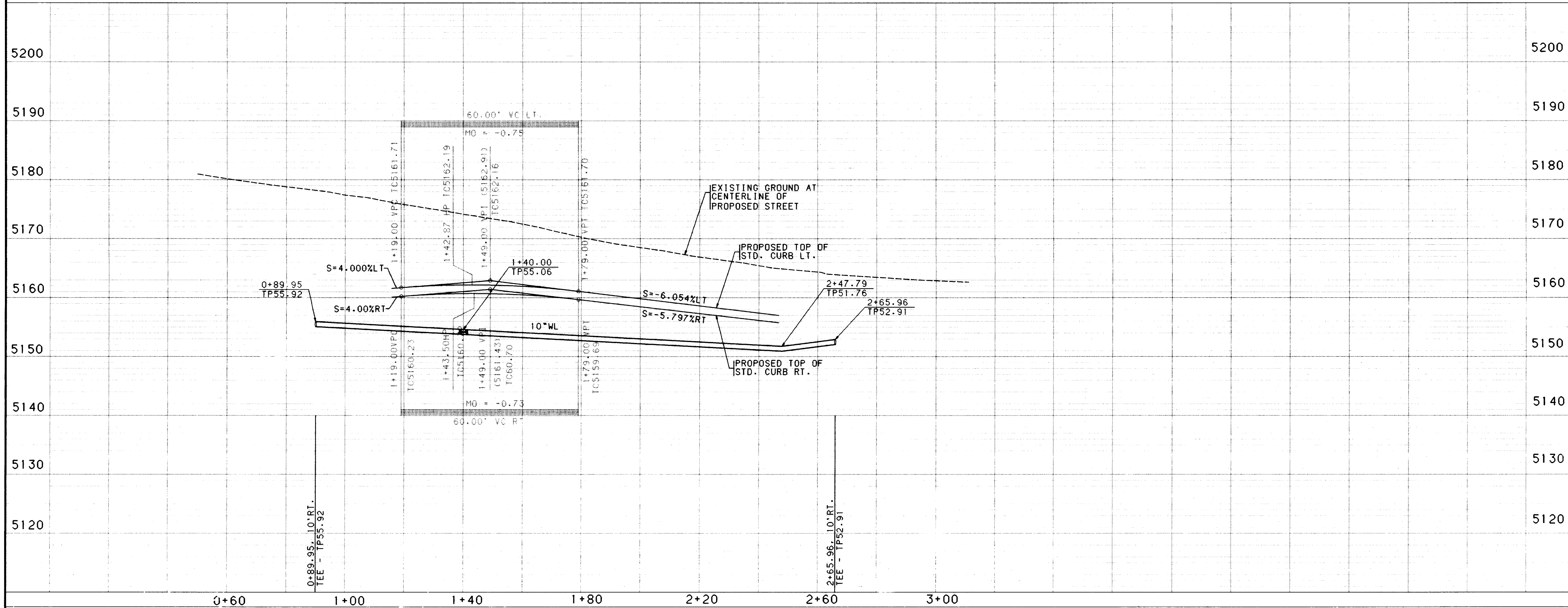
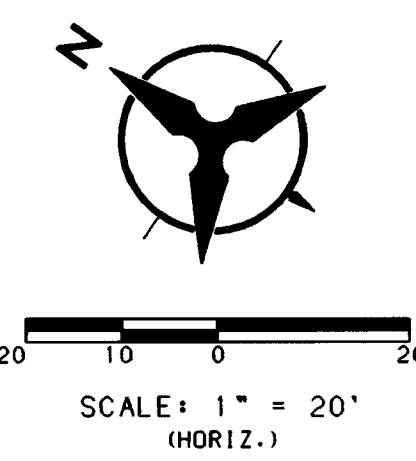
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DR. CHAIRMAN			WATER	R.W. Kame	2-27-95
TRANSPORTATION	N/A RHO	2-27-95	WASTE WATER	R.W. Kame	2-27-95
HYDROLOGY			NMUI		

DESIGNED BY PR. DF DATE 4/94
DRAWN BY TSG DATE 4/94
CHECKED BY JBT DATE 4/94

WL TANGENT DATA TABLE		
NUMBER	BEARING	DISTANCE
T1	S34°59'55"E	176.01'

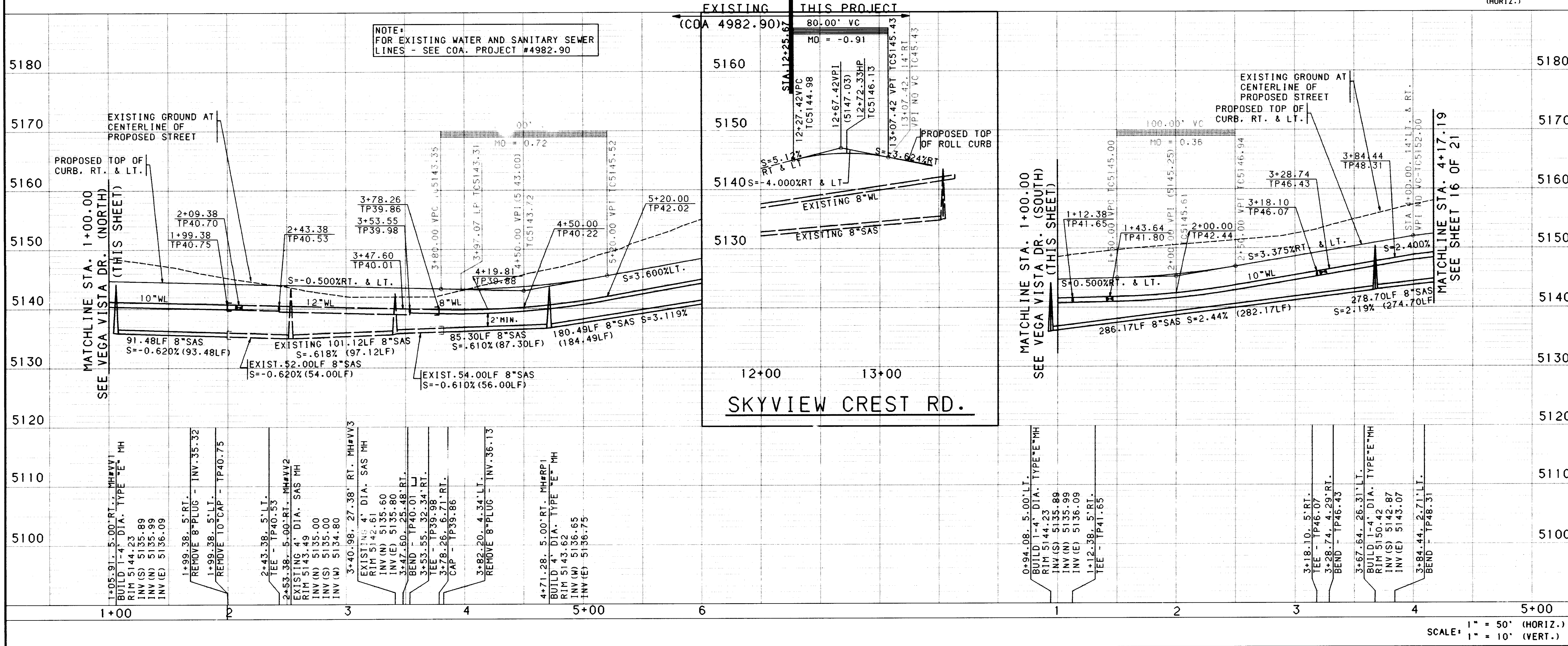
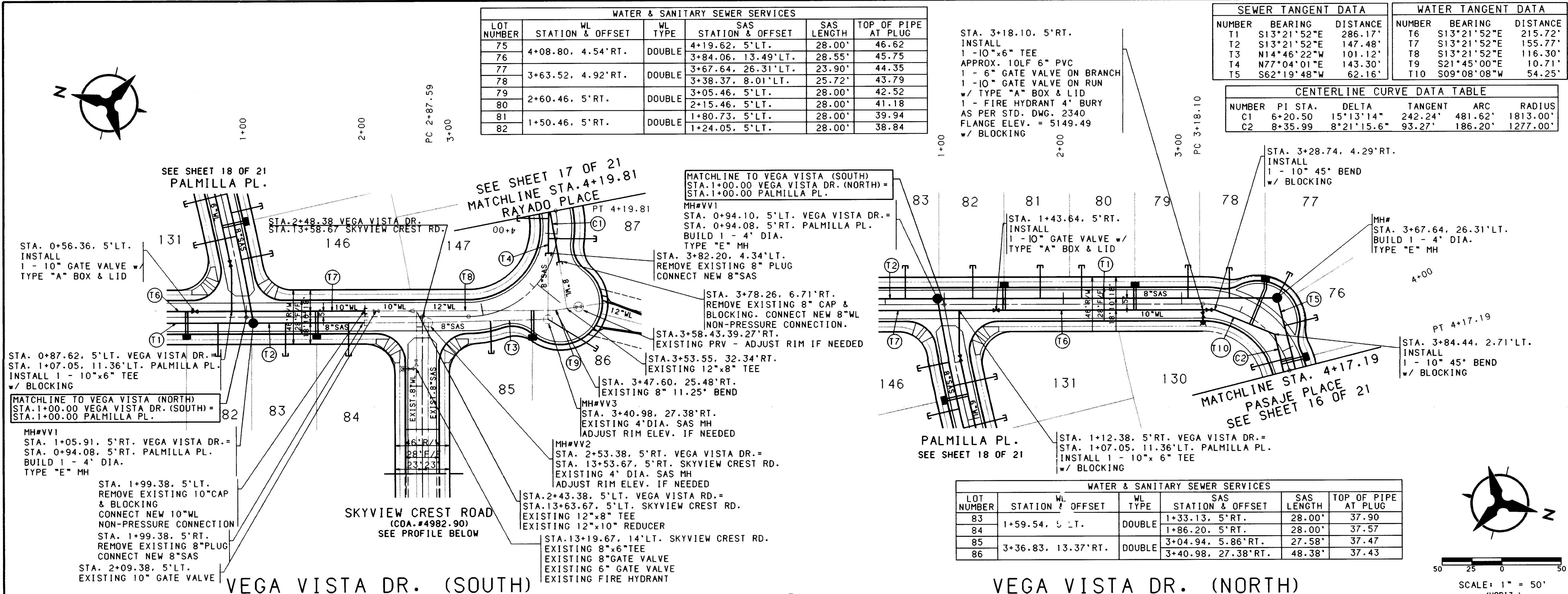
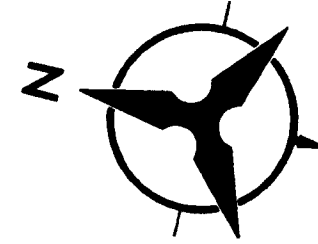


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 5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND END AT THE END OF EACH SANITARY SEWER SERVICE.
 6. CONTRACTOR IS RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ALL UTILITY CONDUITS AND EXISTING LINES.
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 11. REMOVAL OF THE EXISTING CURB AND GUTTER SHALL BE AS PER COA STD. DWG. 2415 (SAWCUT ONLY).
 12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.



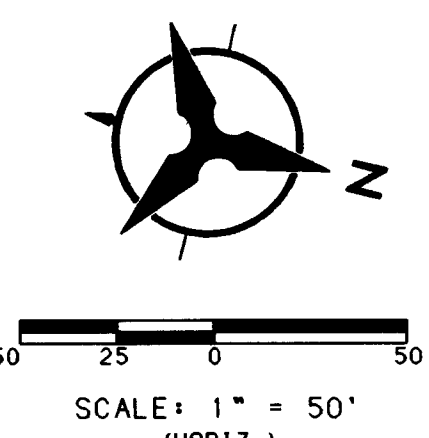
ENGINEER'S SEAL		FIELD NOTES		AS-BUILT INFORMATION	
NO.	DATE	NO.	DATE	NO.	DATE
REMARKS		REMARKS		REMARKS	
DESIGNED BY		DESIGNED BY		DESIGNED BY	
DRAWN BY		DRAWN BY		DRAWN BY	
CHECKED BY		CHECKED BY		CHECKED BY	
DATE		DATE		DATE	
DATE		DATE		DATE	
DATE		DATE		DATE	

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING SEVEN BAR NORTH - UNIT 11-A UTILITY PLAN & PROFILE VIA VACIO DRIVE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	12-16-94	WATER	<i>[Signature]</i>	11-9-94
TRANSPORTATION	<i>[Signature]</i>	11-10-94	WASTE WATER	<i>[Signature]</i>	11-9-94
HYDROLOGY	<i>[Signature]</i>	12-16-94	MUUI	<i>[Signature]</i>	11-9-94
DRAWING NO.		MAP NO.		SHEET	
4982.91		A-13		14 OF 21	



SEWER TANGENT DATA				WATER TANGENT DATA			
NUMBER	BEARING	DISTANCE		NUMBER	BEARING	DISTANCE	
T1	S13°21'52"E	286.17'		T6	S13°21'52"E	215.72'	
T2	S13°21'52"E	147.48'		T7	S13°21'52"E	155.77'	
T3	N14°46'22"W	101.12'		T8	S13°21'52"E	116.30'	
T4	N77°04'01"E	143.30'		T9	S21°45'00"W	10.71'	
T5	S62°19'48"W	62.16'		T10	S09°08'08"W	54.25'	

CENTERLINE CURVE DATA TABLE					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	6+20.50	15°13'14"	242.24'	481.62'	1813.00'
C2	8+35.99	8°21'15.6"	93.27'	186.20'	1277.00'



NOTES

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AS-BUILT INFORMATION

CONTRACTOR: **COM INC**
INSPECTOR: **AUS INC**
DATE: **11-9-94**

ENGINEER'S SEAL SURVEY INFORMATION

NO. **205** DATE **11-9-94**
BY **CHISLED "X" LOCATED APPROXIMATELY 450 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.**
ELEV. **5110.55**

REVISIONS

NO.	DATE	REMARKS
1	11-9-94	DESIGN

DESIGNED BY: **PR. DF** DATE: **4/94**
DRAWN BY: **TSG** DATE: **4/94**
CHECKED BY: **JRT** DATE: **4/94**

SCANNED BY: **BY LASON**

20-4982.91/1596

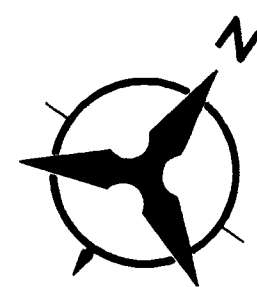
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

SEVEN BAR NORTH - UNIT II-A
UTILITY PLAN & PROFILE
VEGA VISTA DRIVE / SKYVIEW CREST ROAD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DR. CHAIRMAN	24 Babby	2-16-94	WATER	R.W. Kow	11-9-94
TRANSPORTATION	W. Kow	11-16-94	WASTE WATER	R.W. Kow	11-9-94
HYDROLOGY	24	11-16-94	NMU	128	11-9-94

DRAWING NO. **4982.91** MAP NO. **A-13** SHEET **15** OF **21**

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DATE: SEPT. 30, 1994

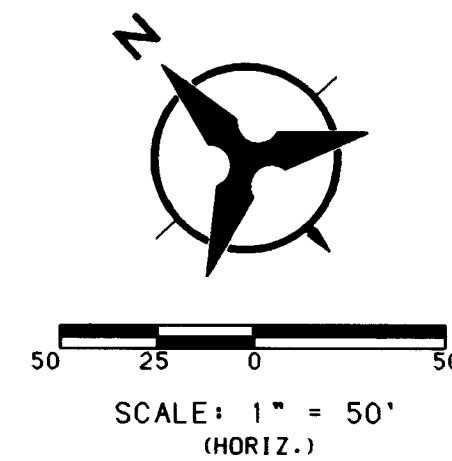
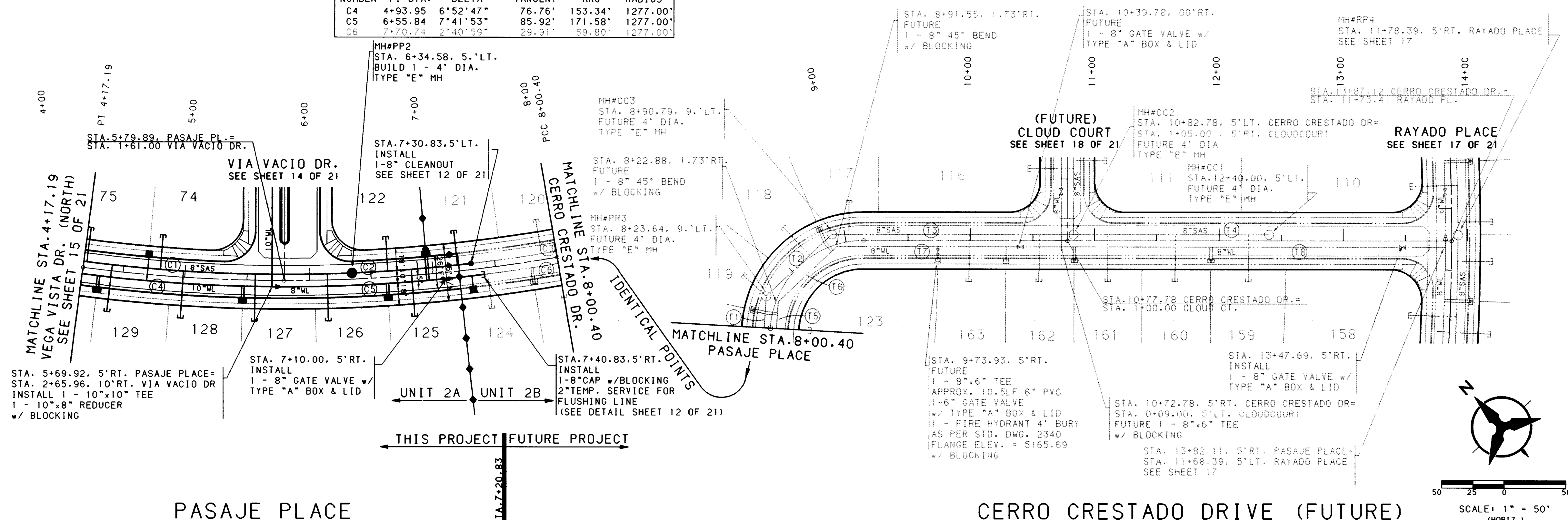


SANITARY SEWER CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	5+25.72	9°47'32"	108.53'	216.54'	1267.00'
C2	6+82.54	4°20'08"	47.96'	95.87'	1267.00'
C3	7+55.49	3°08'01"	34.86'	69.72'	1267.00'

WATERLINE CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C4	4+93.95	6°52'47"	76.76'	153.54'	1277.00'
C5	6+58.84	7°41'53"	85.92'	171.85'	1277.00'
C6	7+70.74	2°40'59"	29.91'	59.80'	1277.00'

SAS TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N45°04'08"E	25.61'
T2	N88°28'22"W	72.73'
T3	S48°07'23"E	194.37'
T4	S48°07'23"E	157.22'

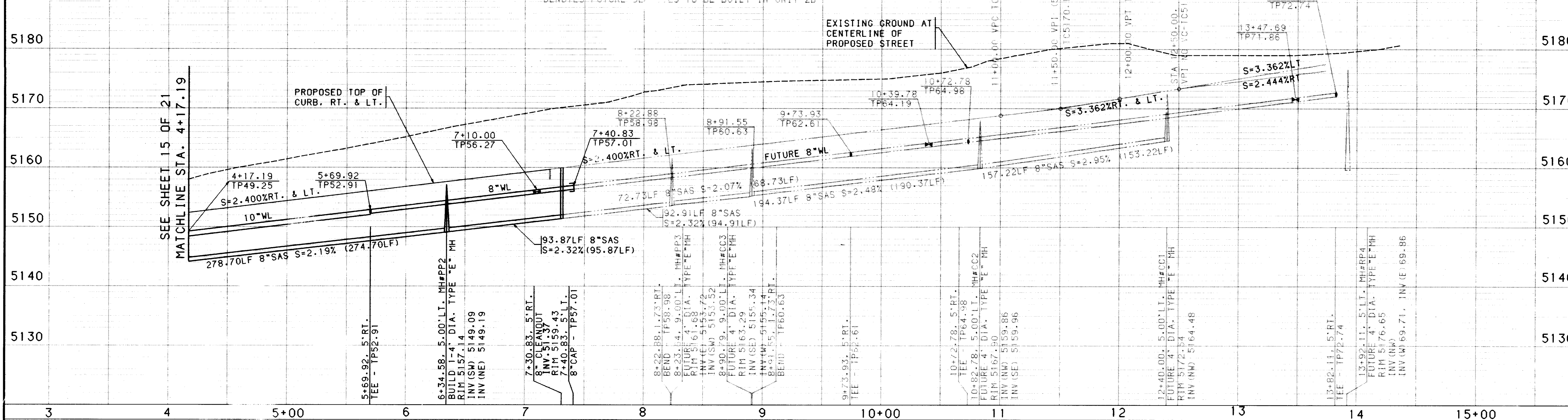
WL TANGENT DATA		
NUMBER	BEARING	DISTANCE
T5	N45°04'07"E	21.63'
T6	S88°28'22"W	64.77'
T7	S48°07'23"E	180.39'
T8	S48°07'23"E	309.33'



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WATER & SANITARY SEWER SERVICES					
LOT NUMBER	STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
74	4+69.48, 5' RT.	SINGLE	4+79.73, 5' LT.	28.00'	47.93
75	4+08.75, 4.41' RT.	DOUBLE	4+19.62, 5' LT.	28.00'	46.62
76			SEE SHEET ??		
130	4+07.41, 5' LT.	DOUBLE	4+07.41, 5' LT.	35.21'	46.20
129	4+30.68, 5' RT.	DOUBLE	4+40.43, 5' LT.	38.00'	47.37
128	5+46.74, 5' RT.	DOUBLE	4+98.46, 5' LT.	38.00'	48.63
127			5+56.49, 5' LT.	38.00'	49.90
126	6+62.80, 5' RT.	DOUBLE	6+14.52, 5' LT.	38.00'	51.17
125			6+82.81, 5' LT.	38.00'	52.73
124	7+78.86, 4.93' RT.	DOUBLE	7+43.26, 5' LT.	38.00'	54.13
123			8+00.40, 5' LT.	38.00'	55.49

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
163	10+28.46, 5' RT.	SINGLE	9+98.86, 5' LT.	38.00'	60.39
162			10+58.14, 5' LT.	38.00'	61.72
161	10+83.46, 5' RT.	DOUBLE	11+10.73, 5' LT.	38.00'	63.20
160			11+64.94, 5' LT.	38.00'	64.79
159	11+93.46, 5' RT.	DOUBLE	12+23.61, 5' LT.	38.00'	66.83
117	8+86.97, 4.13' RT.	DOUBLE	8+90.79, 9' LT.	24.92'	57.78
118			8+88.76, 1.63' LT.	31.64'	56.95
119	8+13.17, 4.13' RT.	DOUBLE	8+23.64, 9' LT.	25.44'	55.71
120			7+88.08, 5' LT.	28.00'	54.86
121	6+95.48, 5' RT.	DOUBLE	7+28.00, 5' LT.	28.00'	53.20
122			6+63.61, 5' LT.	28.00'	51.98



ENGINEER'S SEAL SURVEY INFORMATION

NO. _____

DATE _____

BY _____

REMARKS

RELATIONS

DESIGN

NO. _____

DATE _____

PR. DF _____

TSG _____

CRT _____

DESIGNED BY _____

DRAWN BY _____

CHECKED BY _____

DATE 4/94

DATE 4/94

DATE 4/94

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

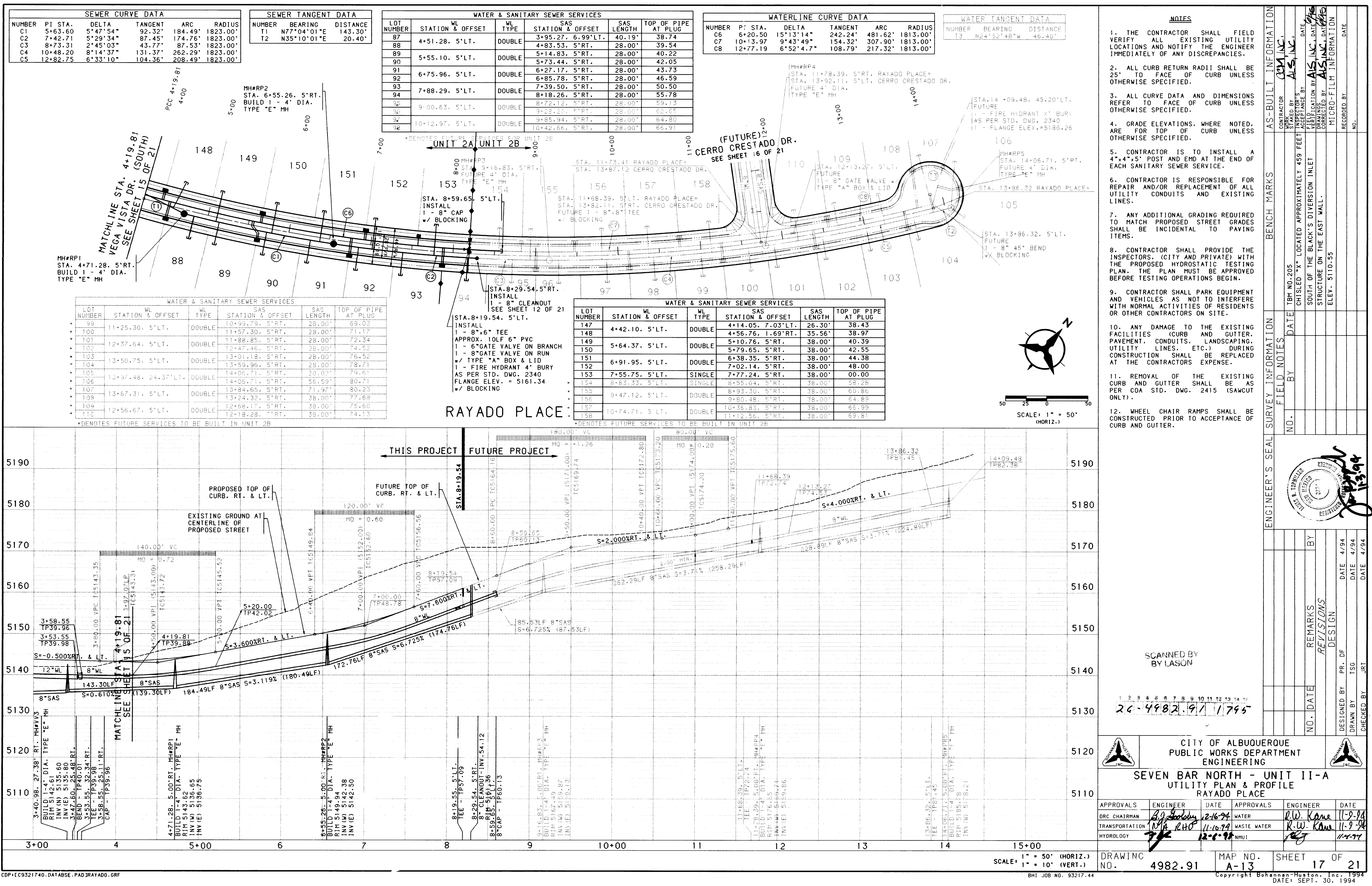
SEVEN BAR NORTH - UNIT II-A
UTILITY PLAN & PROFILE
PASAJE PL. / CERRO CRESTADO DR. (FUTURE)

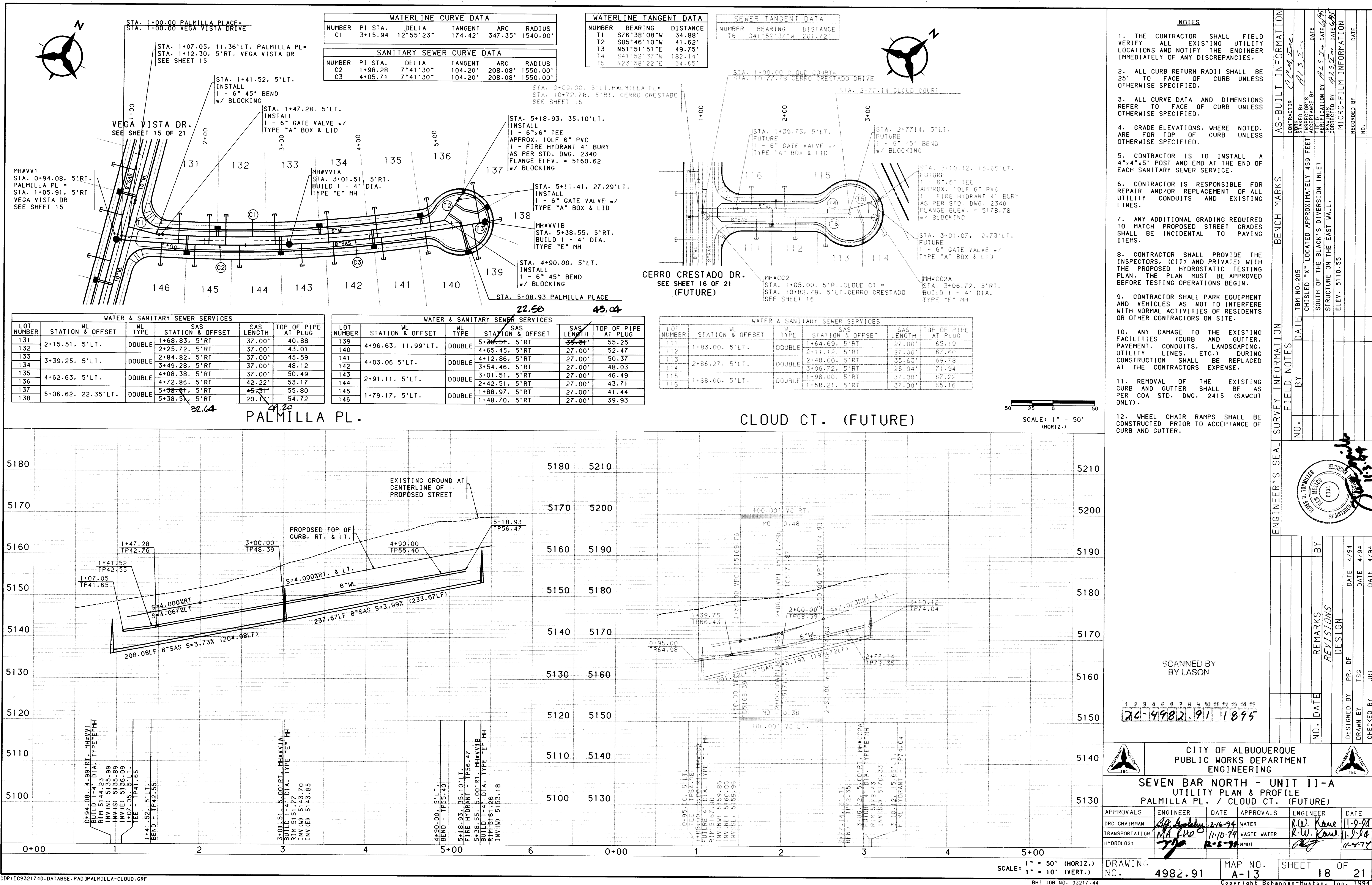
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	R. W. Kame	11-2-94	WATER	R. W. Kame	11-2-94
TRANSPORTATION	R. W. Kame	11-10-94	WASTE WATER	R. W. Kame	11-9-94
HYDROLOGY	R. W. Kame	11-4-94			

DRAWING NO. 4982.91

MAP NO. A-13

SHEET 16 OF 21

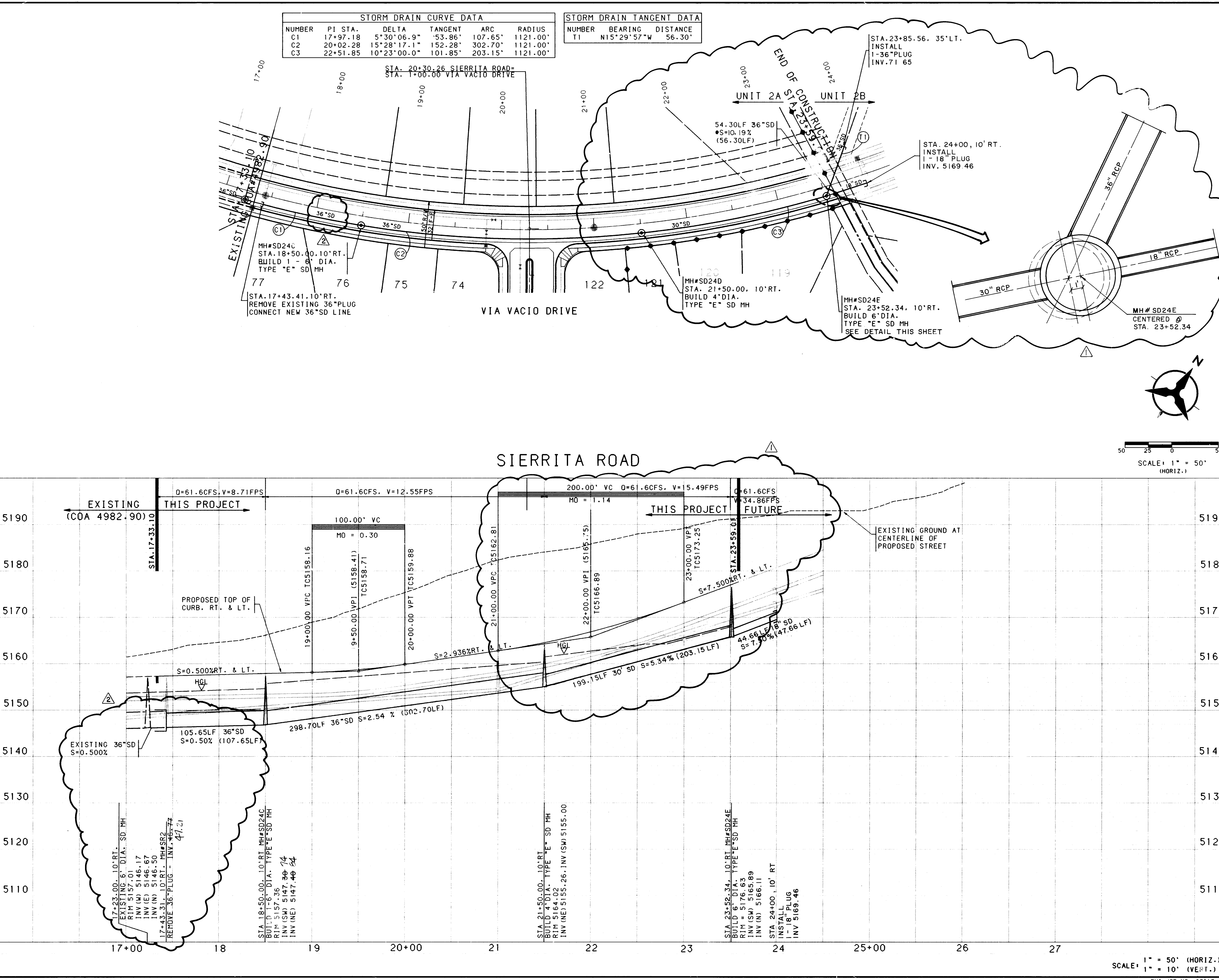




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AS-BUILT INFORMATION		BENCH MARKS		ENGINEER'S SEAL SURVEY INFORMATION		FIELD NOTES		REVISIONS		DESIGN	
CONTRACTOR	WORKED BY	INSPECTED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
CCM, Inc.	CCM, Inc.	CCM, Inc.	11-9-94								
				CHISED "X" LOCATED APPROXIMATELY 450 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL. ELEV. 5110.55							
				MICRO-FILM INFORMATION							
				RECORDED BY							
				NO.							

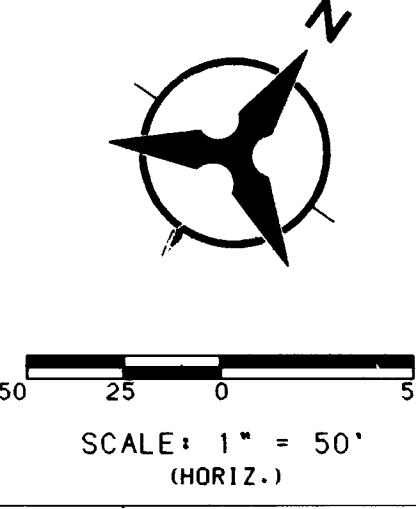
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING	
SEVEN BAR NORTH - UNIT II-A UTILITY PLAN & PROFILE PALMILLA PL. / CLOUD CT. (FUTURE)	
APPROVALS	ENGINEER
DRC CHAIRMAN	R.W. Kane
TRANSPORTATION	MA LHO
HYDROLOGY	R.W. Kane
DATE	11-9-94
DESIGNED BY	PR. DF
DRAWN BY	TSG
CHECKED BY	JRT
DATE	4/94
DATE	4/94
DATE	4/94



STORM DRAIN CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	17+97.18	5°30'06.9"	53.86'	107.65'	1121.00'
C2	20+02.28	15°28'17.1"	152.28'	302.70'	1121.00'
C3	22+51.85	10°23'00.0"	101.85'	203.15'	1121.00'

STORM DRAIN TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	N15°29'57"W	56.30'

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SCANNED BY LASON

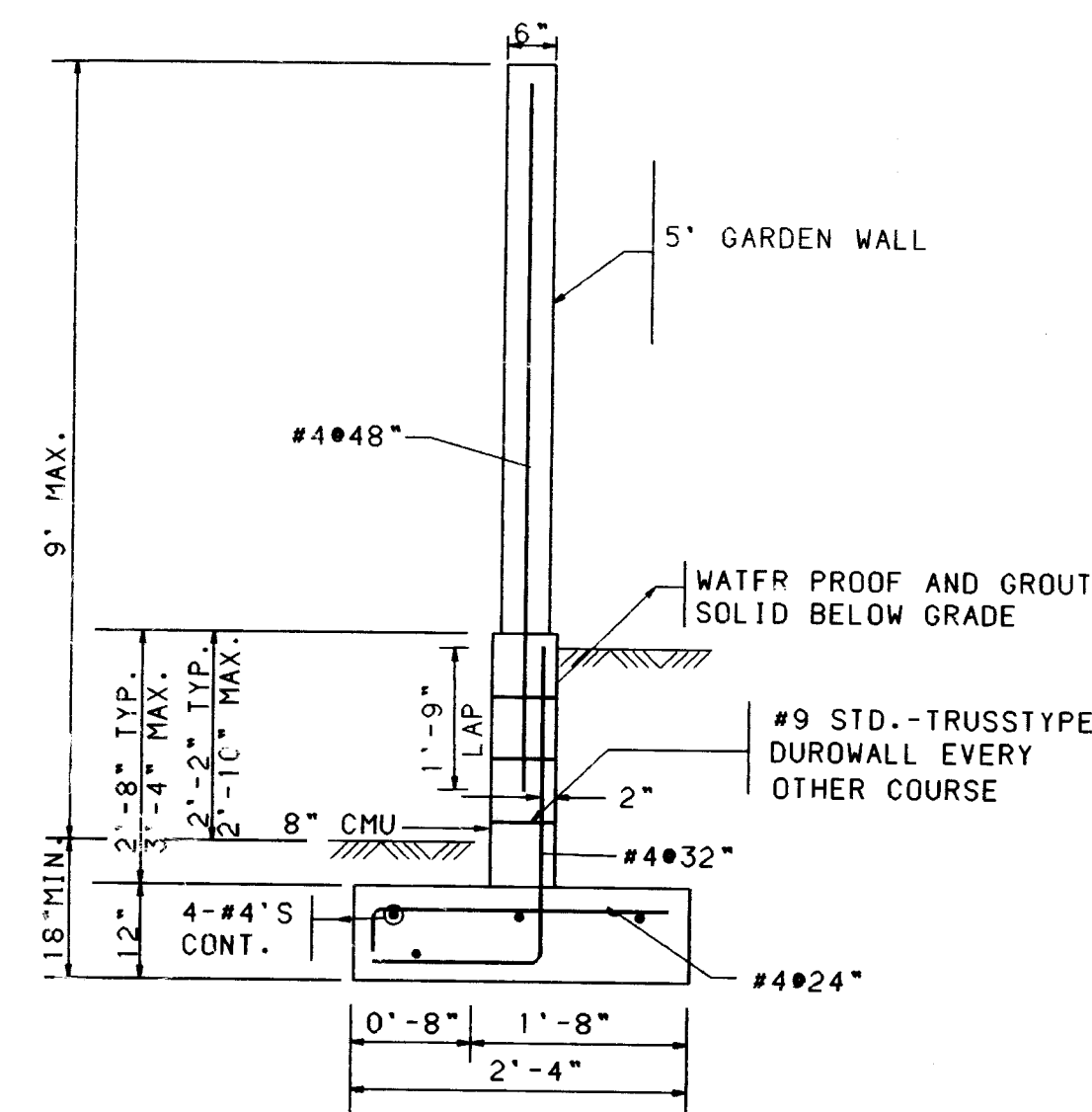
26-4982-191 1995

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER	N/A RWE	2-21-99
TRANSPORTATION			WASTE WATER	N/A RWE	2-21-99
HYDROLOGY			NMUI		

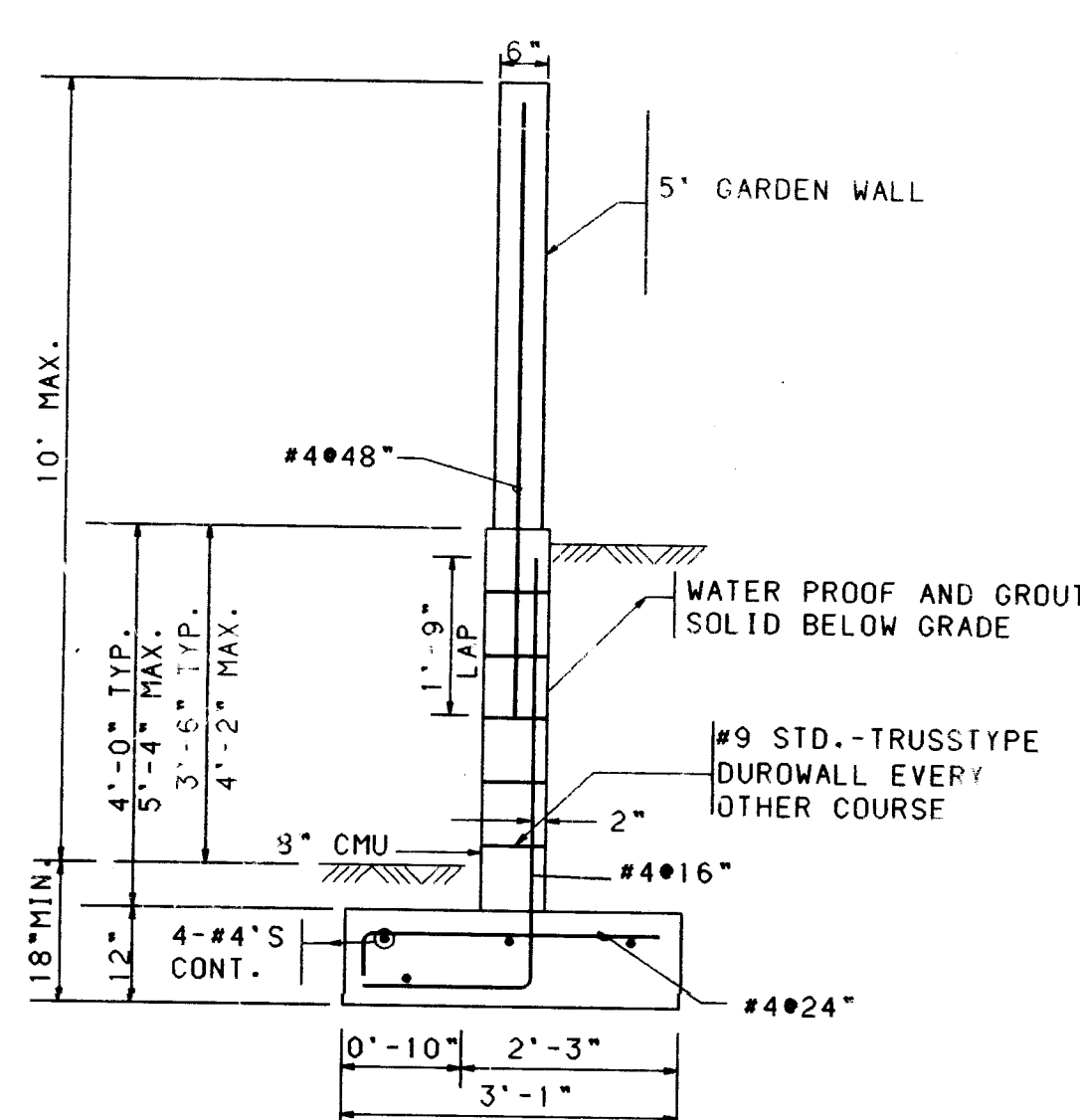
DRAWING NO. 4982.91 MAP NO. A-13 SHEET 19 OF 21

AS-BUILT INFORMATION		BENCH MARKS		ENGINEER'S SEAL SURVEY INFORMATION		FIELD NOTES		REVISIONS		DESIGN	
CONTRACTOR	COA INC.	CONTRACT NO.	TBM NO. 205	DATE	BY	NO.	DATE	PR	PR	DATE	DATE
INSPECTOR'S ACCEPTANCE	DATE	CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.						2/6/95	2/6/95	4/94	4/94
DRAWINGS BY	DATE										
CHECKED BY	DATE										
RECORDED BY	DATE										
NO.											

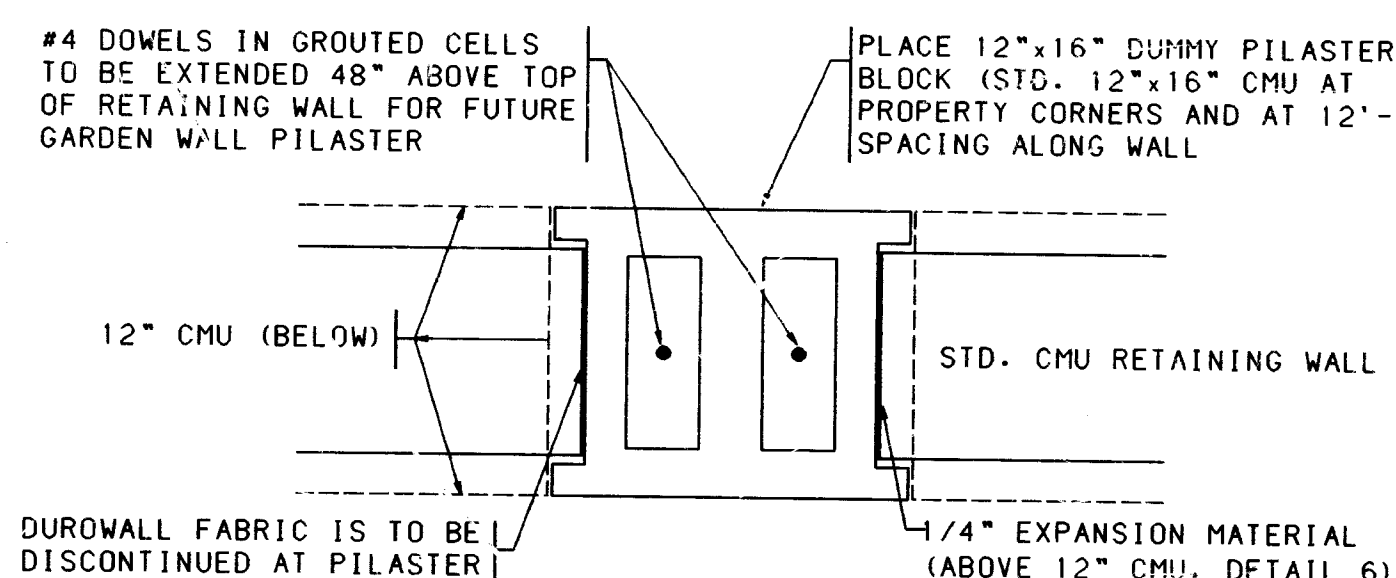
DESIGNED BY PR. DF DATE 4/94
DRAWN BY TSG DATE 4/94
CHECKED BY JRT DATE 4/94



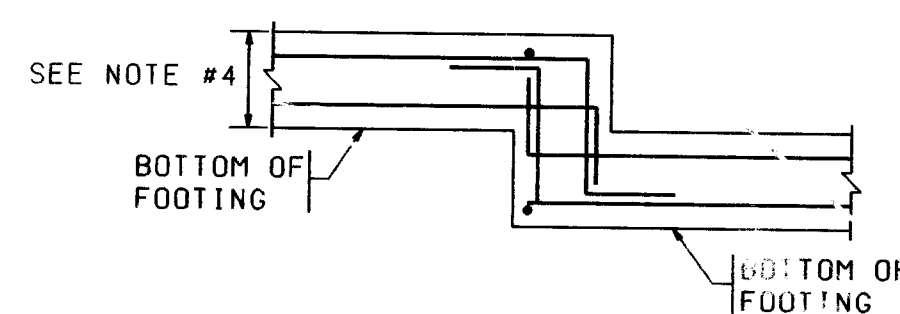
1 2-3' TERRACE/RETAINING WALL
NO SCALE



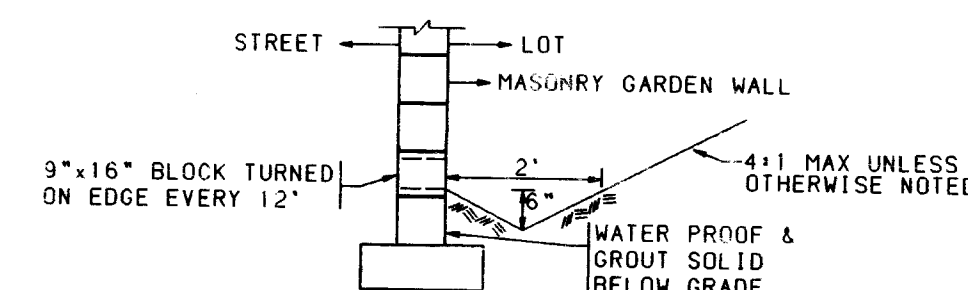
2 3-4' TERRACE/RETAINING WALL
NO SCALE



TYPICAL PILASTER DETAIL
NO SCALE



TYPICAL STEPPED FOOTING DETAIL
BARS AS PER RETAINING WALL DETAILS
NO SCALE



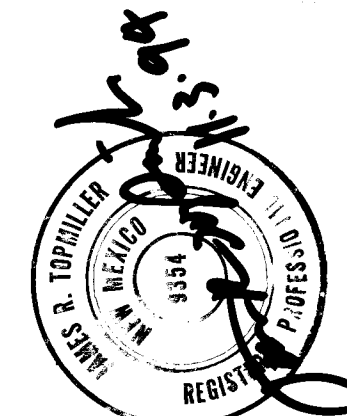
WEEP HOLE DETAIL
NO SCALE

BLOCKS TO BE TURNED ON SIDE (LOT 130 & 146) WITH THE BACK OF THESE LOTS TO BE GRADED TO DRAIN THRU THESE \"WEEP HOLES\".

GENERAL NOTES (RETAINING WALL CONST.)

- RETAINING WALL FOOTINGS SHOULD BE EMBEDDED A MINIMUM OF EIGHTEEN INCHES BELOW LOWEST ADJACENT GRADE PRIOR TO PLACING FOOTINGS. THE EXPOSED SOILS SHOULD BE SCARIFIED TO A DEPTH OF EIGHT (8") INCHES. MOISTURE CONDITIONED TO A NEAR OPTIMUM (1-3%) MOISTURE CONTENT AND COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D-1557.
- RETAINING WALL SHALL NOT BE BACK-FILLED UNTIL AT LEAST 7 DAYS AFTER PLACING OF FINAL GROUT LEVEL. WHERE HEAVY EQUIPMENT IS USED IN BACKFILLING, SUCH EQUIPMENT SHOULD NOT APPROACH CLOSER TO THE TOP OF THE WALL THAN A DISTANCE EQUAL TO THE HEIGHT OF THE WALL. CARE SHOULD BE TAKEN TO AVOID EXERTING IMPACT FORCES ON THE WALL AS COULD BE CAUSED BY A LARGE MASS OF MOVING EARTH.
SLOPES UP AWAY FROM WALLS SHOULD NOT EXCEED 4:1.
- VERTICAL CONTROL JOINTS WITH PVC INSERTS SHALL BE PLACED AT INTERVALS NOT TO EXCEED 30'-0" ON CENTER. PILASTERS MAY BE SUBSTITUTED FOR CONTROL JOINTS WHEN PLACED AT 12'-0" INTERVALS. PILASTERS SHALL BE PLACED AT EVERY SIDE LOT LINE INTERSECTION DISCONTINUE DUROWALL EACH SIDE OF PILASTERS.
- MINIMUM LAP SPICE ON REINFORCING BARS SHALL BE 30" BAR DIAMETERS OR 1'-4" MINIMUM. REINFORCEMENT OF A SIZE AND SPACING OTHER THAN THAT GIVEN IN THE TABLES MAY BE USED PROVIDING SUCH OTHER REINFORCEMENT FURNISHES AN AREA OF STEEL AREA AT LEAST EQUAL TO THAT GIVEN IN THE TABLE.
- CONSTRUCTION OF RETAINING WALLS SHALL CONFORM TO REQUIREMENTS OF THE UNIFORM BUILDING CODE SECTION 24. LOWLIFT GROUTING METHOD.
- OMISSION OF A VERTICAL MORTAR JOINT ON FIRST COURSE AT 48" O.C. SHALL BE USED FOR WEEP HOLES. WHITE SLUMP BLOCK WITH MINIMUM COMPRESSIVE STRENGTH OF 1500 PSI MAY BE SUBSTITUTED FOR STANDARD CMU GRADE N.
- DESIGN DATA
BLOCK WEIGHT 12" = 130 PSF
BLOCK WEIGHT 8" = 85 PSF
SOIL WEIGHT = 110 PCF
EQUIV. FLUID PRESSURE = 35 PCF
SOIL BEARING PRESSURE = 1500 PCF (1/3 INCREASE FOR WIND/SEISMIC)
COEFFICIENT OF FRICTION = 0.4
PASSIVE SOIL PRESSURE = 300 PCF
CONCRETE F'C (28 DAYS) = 3000 PSI
GROUT STRENGTH = 2000 PSI
CMU GRADE N = 1500 PSI (GROUTED)
REINFORCEMENT = 60 ASTM A-615
- CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO CONCRETE FOOTING POUR FOR INSPECTION OF COMPACTION UNDER FOOTING, FOOTING DEPTH AND WIDTH AND WALL STEEL AND SPACING. FINAL INSPECTION OF FOOTING AND WALL WILL BE REQUIRED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR CODE ADMINISTRATION APPROVAL AND FEES ASSOCIATED WITH IT.
- ALL CELLS BELOW GRADE SHALL BE FULLY GROUTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO SEE THAT ALL REBAR IS PROPERLY ALIGNED AND TIED IN PLACE BEFORE PLACING CONCRETE. ALL STEEL SHALL BE ACCURATELY LOCATED AND SECURED IN PLACE SO THAT IT REMAIN IN POSITION DURING THE PLACEMENT OF THE CONCRETE. ANY REBAR IMPROPERLY INSTALLED SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER.
- CMU SHALL NOT BE PLACED ON CONCRET FOOTINGS UNTIL CONCRETE HAS CURED FOR A MINIMUM OF 7 DAYS.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	THE BENCH MARK IS A 2" ALUMINUM CAP STAMPED	DATE	NO.	BY	NO.	BY
CONTRACTOR: COM INC.	DATE: 9/11/94	"LS 6524" LOCATED APPROXIMATELY	DATE: 9/11/94				
INSPECTOR'S ACCEPTANCE BY: ALS INC.	DATE: 9/11/94	S27°35'15"W, 283.24' FROM THE SW BOUNDARY	DATE: 9/11/94				
VERIFICATION BY: ALS INC.	DATE: 9/11/94	CORNER NEAR THE INTERSECTION OF GOLF COURSE	DATE: 9/11/94				
DRAWINGS CORRECTED BY: ALS INC.	DATE: 9/11/94	ROAD AND TAYLOR RANCH DRIVE.	DATE: 9/11/94				
PHOTO-FILM INFORMATION		ELEVATION = 5119.22					
RECORDED BY							
NO.							



20-4982-91 9/11/94

SCANNED BY
BY LASON

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING					
SEVEN BAR NORTH - UNIT II-A MISC. DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG. CHAIRMAN	Bohannon-Huston	12-16-94	WATER	N/A	11-9-94
TRANSPORTATION	N/A		WASTE WATER	N/A	11-9-94
HYDROLOGY	7/1	12-16-94			
DRAWING NO.	4982.91	M/P NO.	A-13	SHEET	21 OF 21