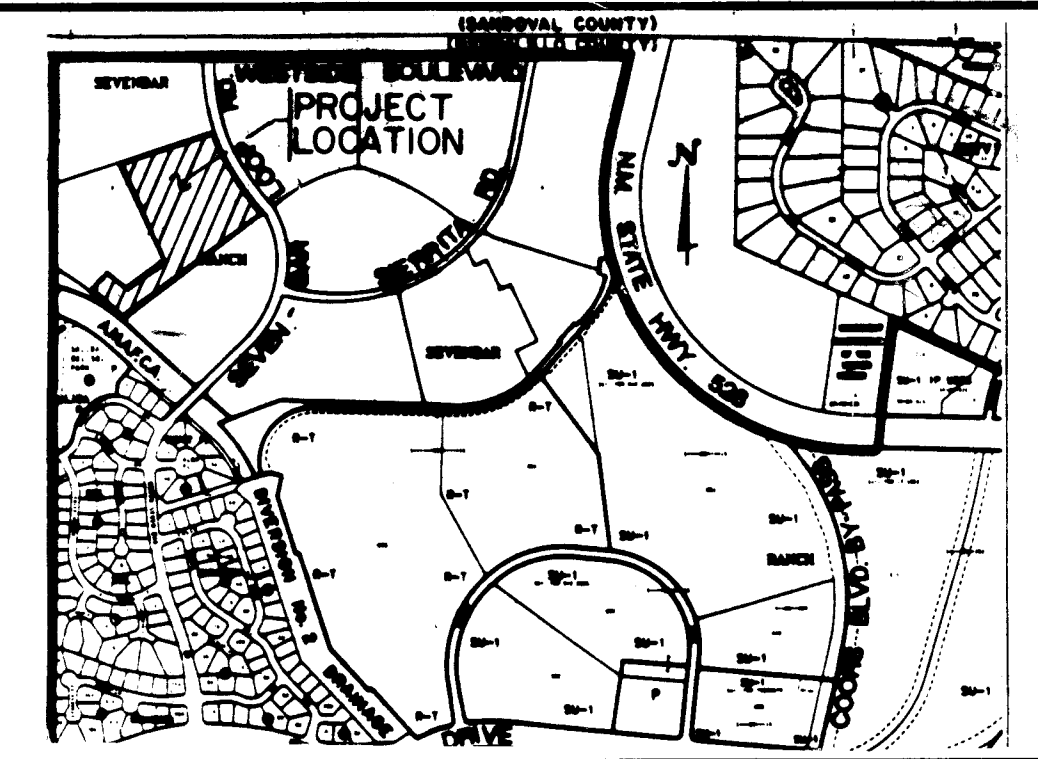


CONSTRUCTION PLANS FOR SEVEN BAR NORTH TRACT B-5 SUBDIVISION - UNIT 5A ALBUQUERQUE, NEW MEXICO



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 #6), AND NEW MEXICO UTILITIES, INC. SPECIFICATIONS FOR WATER & WASTEWATER FACILITIES. (MOST RECENT REVISION)
- 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. (898-2661) 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 BARRICADE 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.

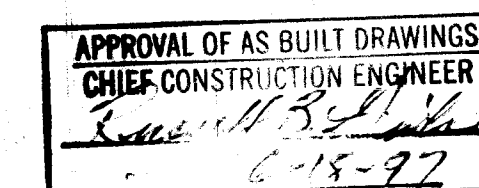
THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☒ 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.

INDEX	
SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
2	PLAT
3A-B	GRADING PLAN
4	PAVING PLAN
	PAVING PLAN AND PROFILE
5	SEVEN BAR LOOP ROAD
6	LENO ROAD
7	CASCADE AZUL PLACE
8	CERRO CRESTADO ROAD
9	CAMPO DE MAIZ ROAD (FUTURE) / WILDFLOWER DRIVE
10	FAROLA DRIVE
11	UTILITY PLAN
	UTILITY PLAN AND PROFILE
12	SEVEN BAR LOOP ROAD
13	LENO ROAD
14	CASCADE AZUL PLACE
15	CERRO CRESTADO ROAD
16	CAMPO DE MAIZ ROAD (FUTURE) / WILDFLOWER DRIVE
17	FAROLA DRIVE
	STORM DRAIN PLAN AND PROFILE
18	SEVEN BAR LOOP ROAD
19	LENO ROAD
20	CASCADE AZUL PLACE
21	CERRO CRESTADO ROAD
22	CARRETA DRIVE
23	LINE "A"
24	MISC. DETAILS

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, Inc., is not responsible for any of the design concepts, calculations, engineering or intent of the record drawings.

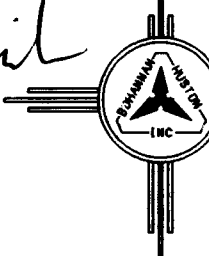


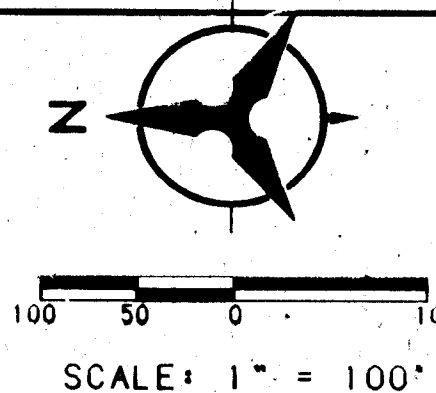
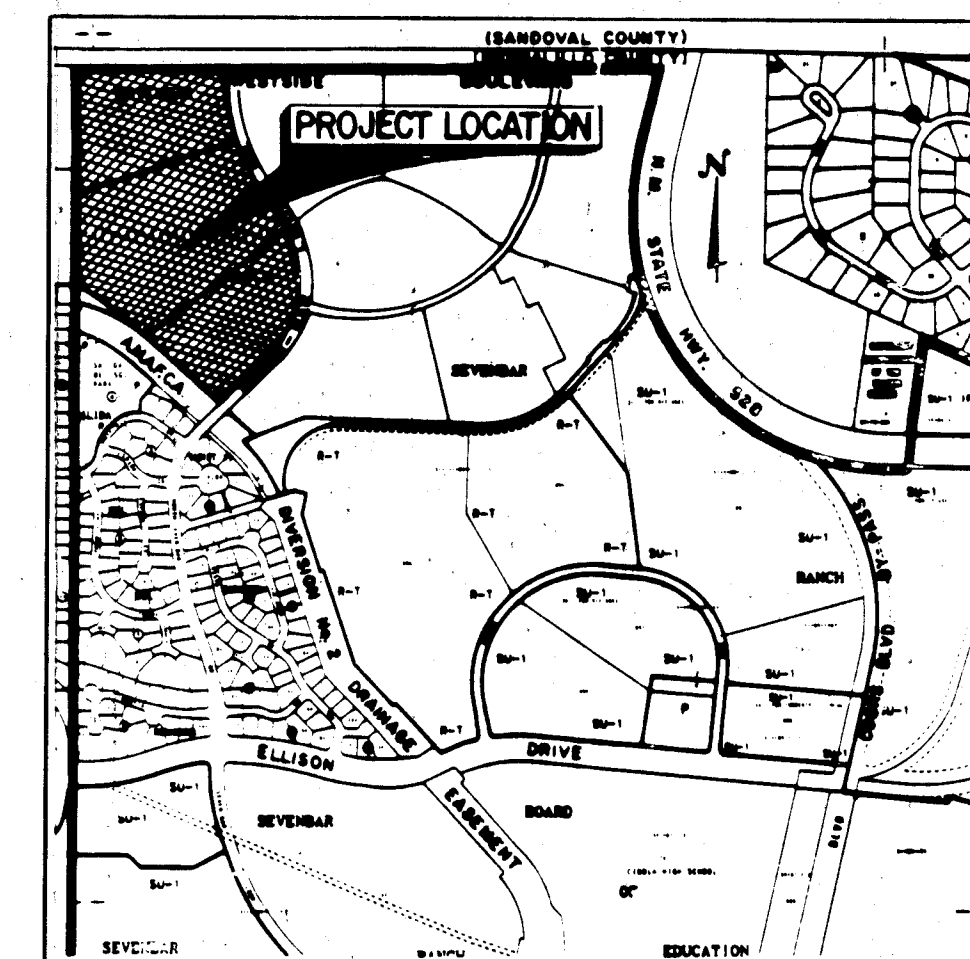
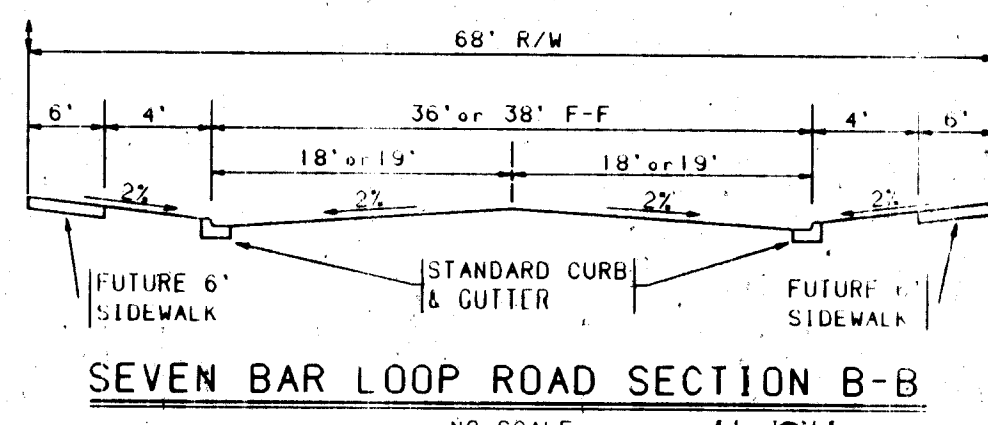
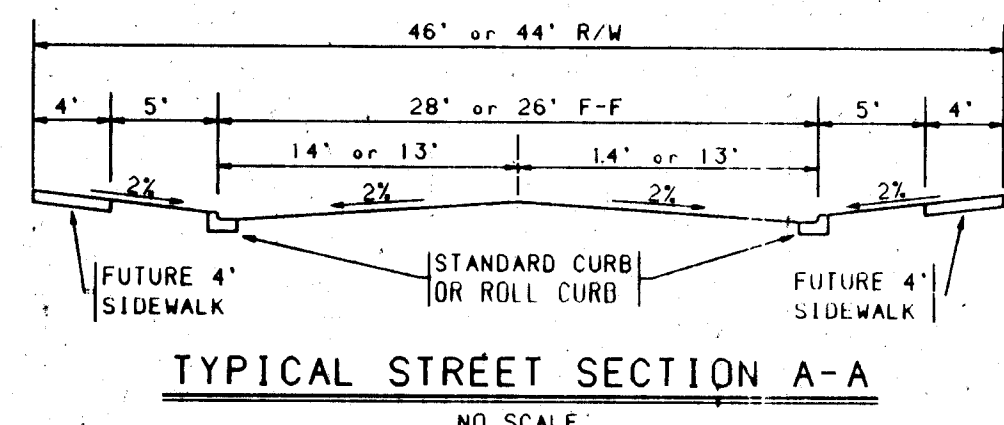
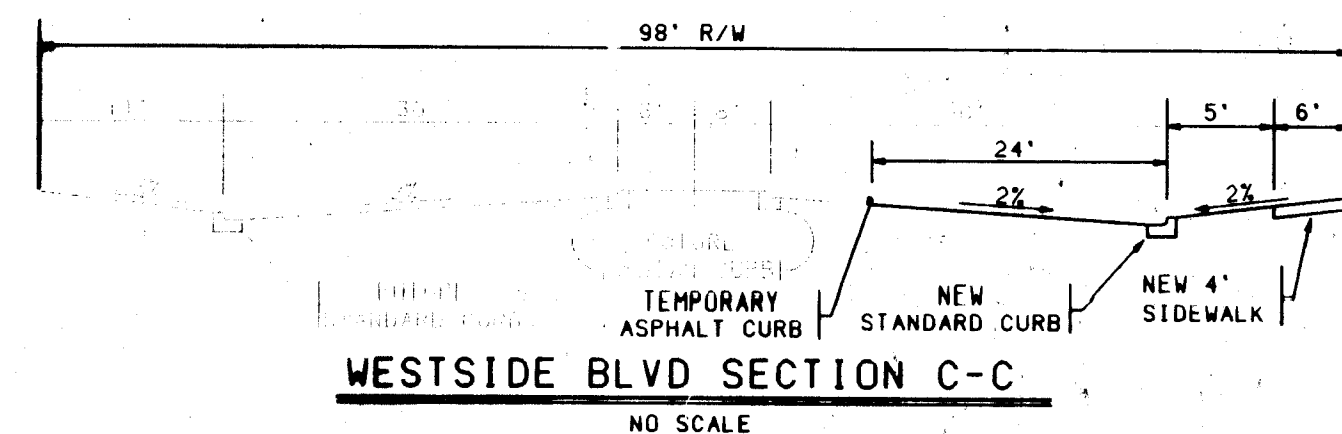
BH1 JOB NO. 93217.44

26-4982-93 1-1-97

REV	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

APPROVAL OF REVISIONS

 BOHANNAN HUSTON INC. ALBUQUERQUE, NEW MEXICO ENGINEERS PLANNERS PHOTOGRAMMETRISTS	APPROVED FOR CONSTRUCTION C.E.
	PROJECT NUMBER 4982-93
SCANNED BY BY LASON	SHEET 1 24



GENERAL NOTES:

- EXISTING ZONING: R-1
PROPOSED RESIDENTIAL DEVELOPMENT:
SINGLE FAMILY DETACHED
- EXISTING TRACT B-4 11.2496 ACRES
EXISTING TRACT B-5 20.8213 ACRES
EXISTING TRACT B-6 13.4316 ACRES
GROSS ACRES 45.5025 ACRES
- | | UNIT B-4 | UNIT B-5A | UNIT B-5B | UNIT B-6 | TOTAL |
|-----------------------|--------------|-----------|-----------|----------|-------|
| NUMBER OF 60' LOTS: | 21 | 15 | 12 | 2 | 50 |
| NUMBER OF 65' LOTS: | 15 | 18 | 13 | 7 | 53 |
| NUMBER OF 60' LOTS: | 9 | 8 | 11 | 13 | 41 |
| NUMBER OF 65' LOTS: | 0 | 3 | 9 | 26 | 38 |
| TOTAL | 45 | 44 | 45 | 48 | 182 |
| TOTAL NUMBER OF LOTS: | 182 D.U. | | | | |
| PROPOSED DENSITY: | 4.00 D.U./AC | | | | |
- MINIMUM LOT DIMENSIONS: 60' x 100'
MINIMUM LOT AREA: 6000 S.F.
- THIS SUBDIVISION IS WITHIN THE NEW MEXICO UTILITIES, INC. (NMU) FRANCHISE AREA. WATER AND SANITARY SEWER CAPABILITIES ARE BASED ON NMU'S FACILITIES, AND NOT THE CITY OF ALBUQUERQUE'S. WATER AND SANITARY SEWER INFRASTRUCTURE IMPROVEMENTS MUST BE APPROVED BY BOTH THE CITY OF ALBUQUERQUE AND NMU.
- INDICATES A 10' SIDEYARD SETBACK ON THE SOUTH SIDE OF THE LOT TO ACCOMMODATE SOLAR ACCESS.
- ALL STREETS, AND DRAINAGE IMPROVEMENTS ARE TO BE PUBLIC, AND DEDICATED FOR MAINTENANCE TO THE CITY OF ALBUQUERQUE.
- ALL SANITARY AND WATER UTILITIES IN THE STREET R/W ARE TO BE PUBLIC, AND DEDICATED FOR MAINTENANCE TO NEW MEXICO UTILITIES, INC.
- NO INDIVIDUAL LOTS SHALL BE ALLOWED DIRECT ACCESS TO SEVEN BAR LOOP ROAD OR WESTSIDE BOULEVARD.
- ALL LOTS ARE TO BE 'P1' AND SHALL CONFORM TO INTERMITTENT PARKING DESIGN CRITERIA, ITEM #1.
- LOT SETBACKS SHALL CONFORM TO R-1 ZONE REGULATIONS. REQUIRED SETBACKS SHALL INCLUDE:
FRONT YARD: 20' (TYP)
(15' x 20' TO GARAGE MIN)
SIDE YARD: 5' (MIN), 10' FOR SOLAR ACCESS
BACK YARD: 15' (MIN)

OWNER:

RONALD D. BROWN, PRESIDENT
B & A INVESTMENT CORP., MANAGING PARTNER.
BROWN/NZ (INVESTMENT) JOINT VENTURE

SURVEY NOTES:

- ALL BOUNDARY CORNERS SHOWN (■) ARE FOUND 5/8" REBAR SET IN CONCRETE.
- ALL BOUNDARY CORNERS SHOWN (□) ARE FOUND 3" DIAMETER A.M.A.F.C.A. BRASS CAP SET IN CONCRETE.
- ALL BOUNDARY CORNERS SHOWN (●) HAVE BEEN SET WITH A 5/8" REBAR WITH SURVCAP STAMPED "WEAVER LS 6544".
- ALL STREET CENTERLINE POINTS SHOWN (▲) WILL BE MARKED BY A 4" ALUMINUM DISK STAMPED "P.L.S. 6544".
- THE SUBDIVISION BOUNDARY WILL BE TIED TO THE NEW MEXICO STATE PLANE COORDINATE SYSTEM AS SHOWN.
- BASIS OF BEARINGS WILL BE NAD-1927 GRID BEARINGS.
- MANHOLES WILL BE OFFSET AT ALL POINTS OF CURVATURE, POINTS OF TANGENCY, STREET INTERSECTIONS AND ALL OTHER ANGLE POINTS TO ALLOW THE USE OF CENTERLINE MONUMENTATION.
- DISTANCES SHALL BE GROUND DISTANCES.

APPROVED FOR MONUMENTATION AND STREET NAMES

CITY SURVEYOR

TANGENT DATA TABLE		
NUMBER	BEARING	DISTANCE
T1	S00° 06' 51"W	74.99'
T2	N43° 39' 27"E	460.63'
T3	N47° 57' 27"W	568.14'
T4	N00° 17' 07"E	627.34'
T5	N00° 17' 07"E	800.00'
T6	S89° 53' 09"W	867.84'

CURVE DATA TABLE				
NUMBER	DELTA	TANGENT	ARC	RADIUS
C1	90° 00' 00"	25.00'	39.27'	25.00'
C2	19° 01' 57"	190.10'	376.69'	1134.00'
C3	23° 43' 52"	238.26'	469.69'	1134.00'
C4	12° 46' 30"	68.96'	137.35'	616.00'
C5	73° 31' 55"	460.26'	790.56'	616.00'
C6	02° 32' 19"	23.37'	46.73'	1054.69'
C7	28° 06' 30"	264.02'	517.41'	1054.69'

PRELIMINARY PLAT

TRACTS B-4, B-5 & B-6

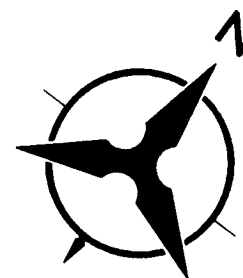
SEVEN BAR NORTH

ALBUQUERQUE, NEW MEXICO

JANUARY 1995

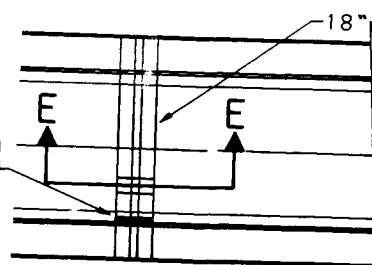
3-1/4" BRASS TABLET
T12N 36.12' R3E
T11N
Geographic Position (NAD 1927)
N.M. State Plane Coordinates (Central Zone)
X = 373,326.28 Y = 1,534,792.13
Ground-to-Grid Factor = 0.9996695
ΔOC = -00°14'40"
SLD 1929 Elevation = 5214.38

ACS Aluminum Tablet stamped "ACS 3-A12.1986"
Geographic Position (Nad 1927)
N.M. State Plane Coordinates (Central Zone)
X = 370,667.68 Y = 1,534,779.51
Ground-to-Grid Factor = 0.9996697
ΔOC = -00°14'59"
Elev. = 5214.38



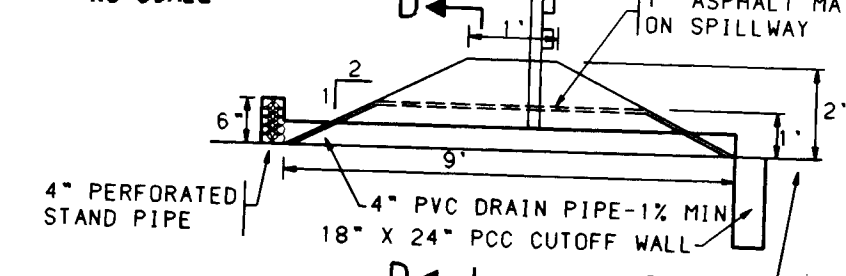
SCALE: 1" = 50'

NOTE:
RESEED ALL DISTURBED AREAS WITH
NATIVE GRASS & STRAW AS PER COA
STD. SPEC 1012.

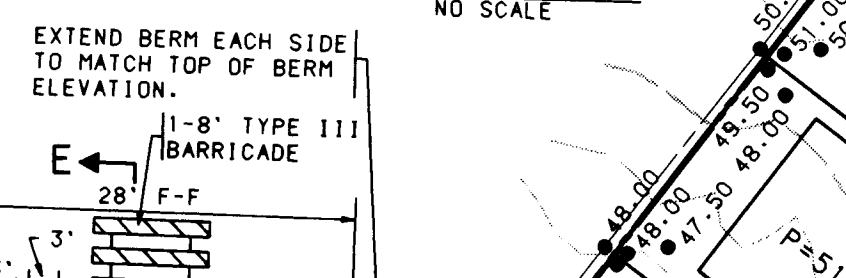


DETAIL "C"
NO SCALE

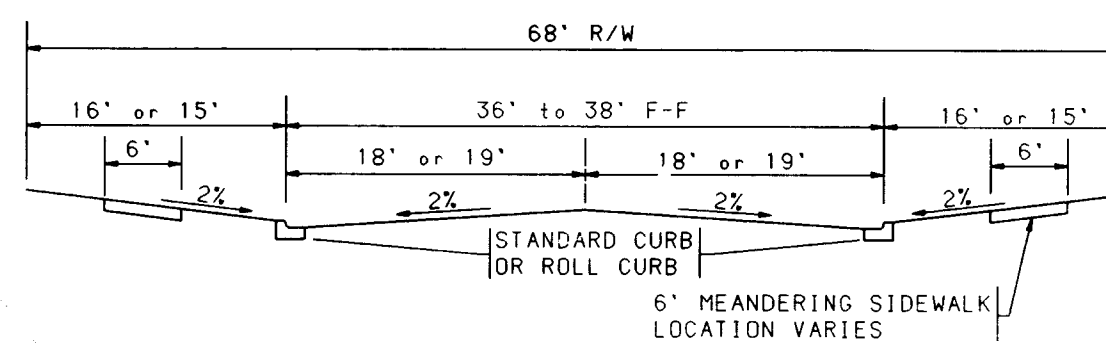
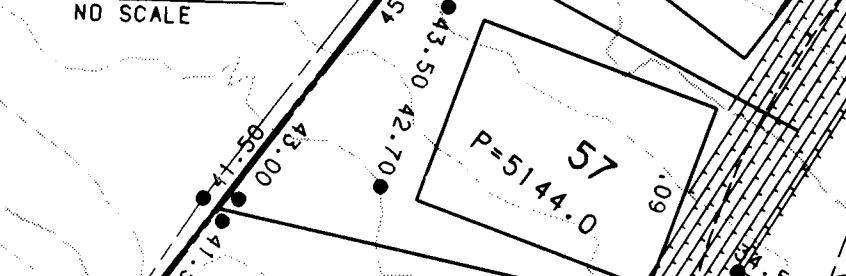
SECTION C-C
NO SCALE



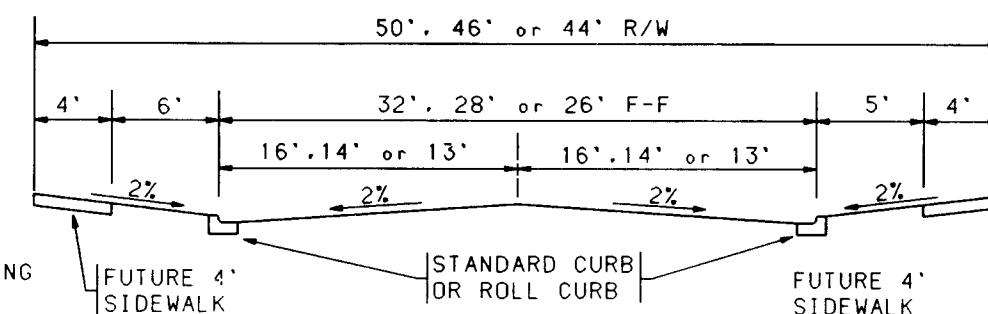
SECTION E-E
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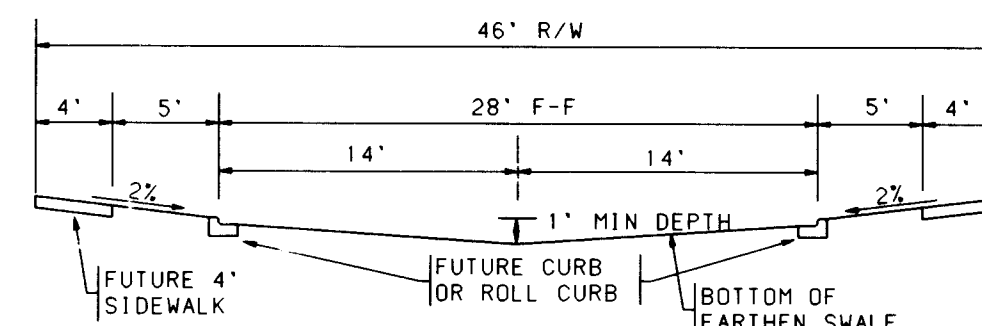
SECTION D-D
NO SCALE



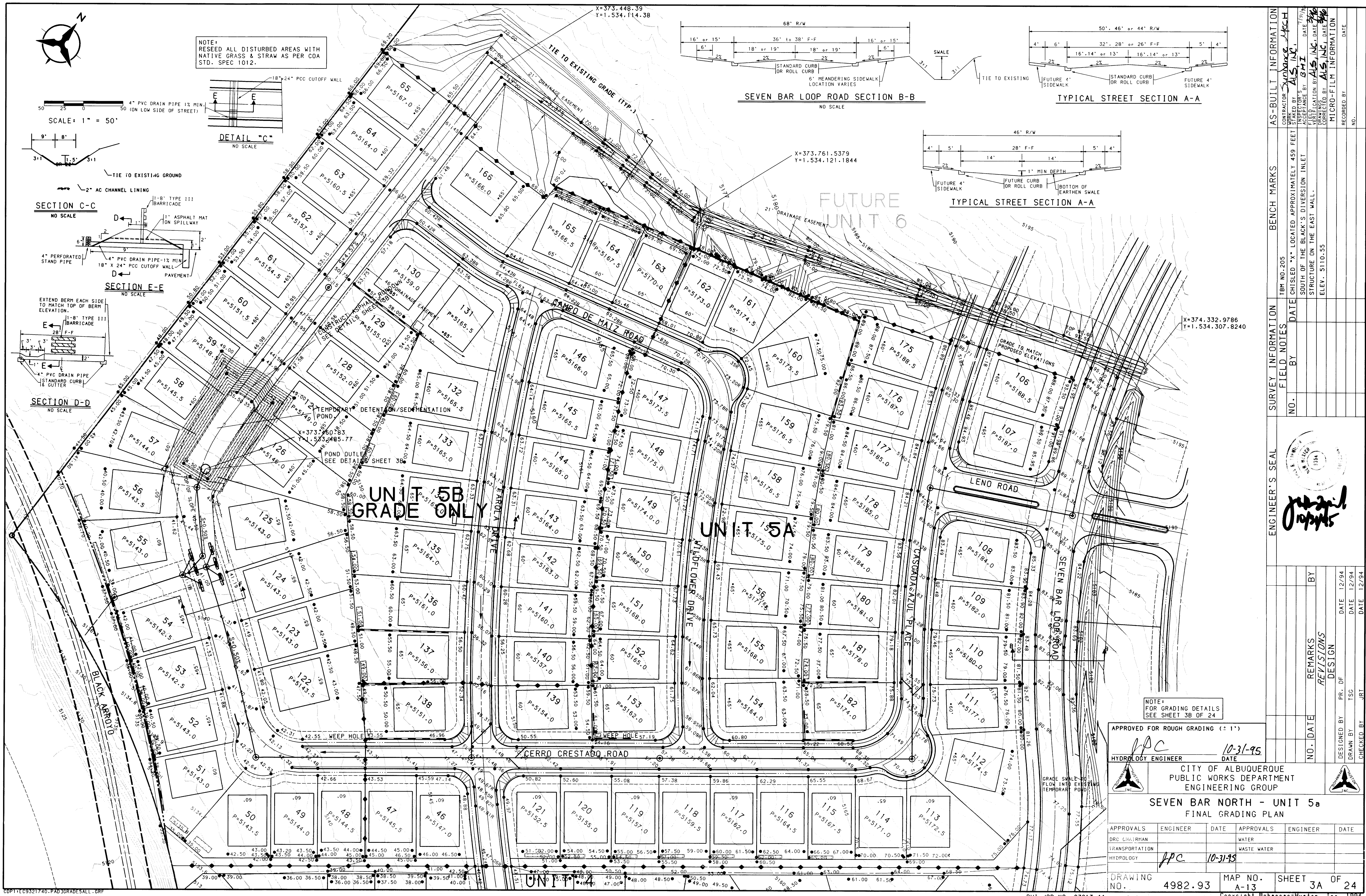
SEVEN BAR LOOP ROAD SECTION B-B
NO SCALE



TYPICAL STREET SECTION A-A



TYPICAL STREET SECTION A-A



NOTE:
FOR GRADING DETAILS
SEE SHEET 3B OF 24

APPROVED FOR ROUGH GRADING (± 1')

HYDROLOGY ENGINEER 10-31-95
DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SEVEN BAR NORTH - UNIT 5a
FINAL GRADING PLAN

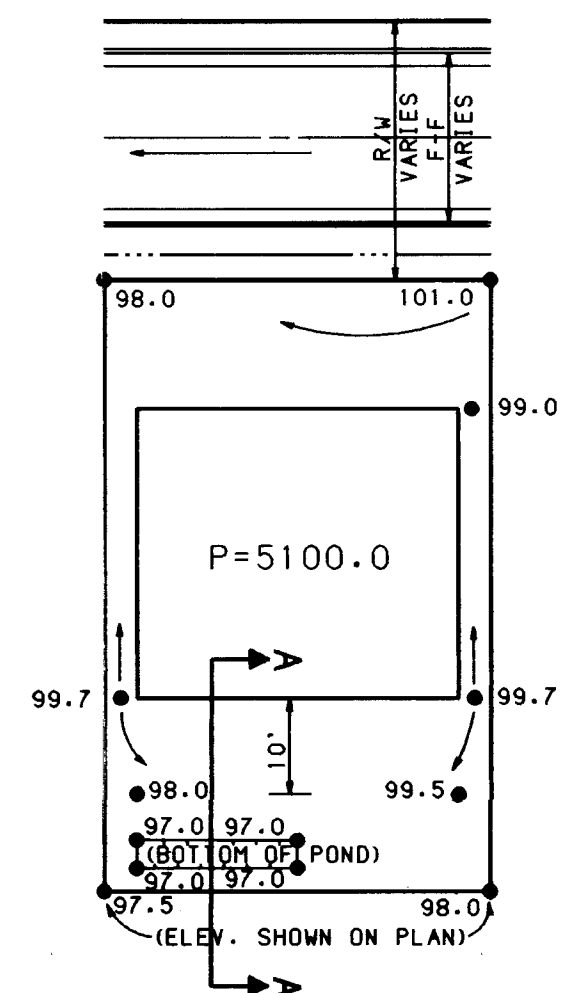
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY	HPC	10-31-95			

DRAWING NO. 4982.93 MAP NO. A-13 SHEET 3A OF 24

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	DATE	NO.	DATE	NO.	DATE

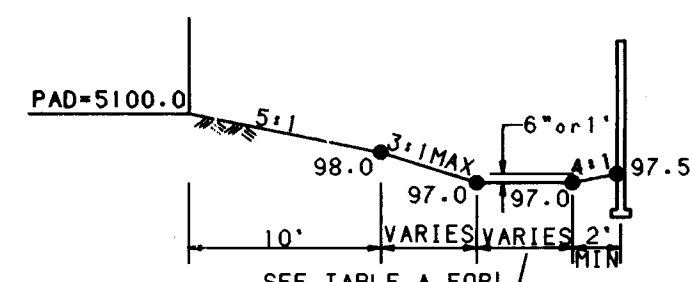
ENGINEER'S SEAL

REMARKS	BY	DATE
DESIGN		12/94
REVISIONS		12/94
		12/94
		12/94
		12/94
		12/94
		12/94
		12/94
		12/94
		12/94



TYPICAL LOT GRADING PLAN
FOR LOTS WITH BACKYARD PONDING

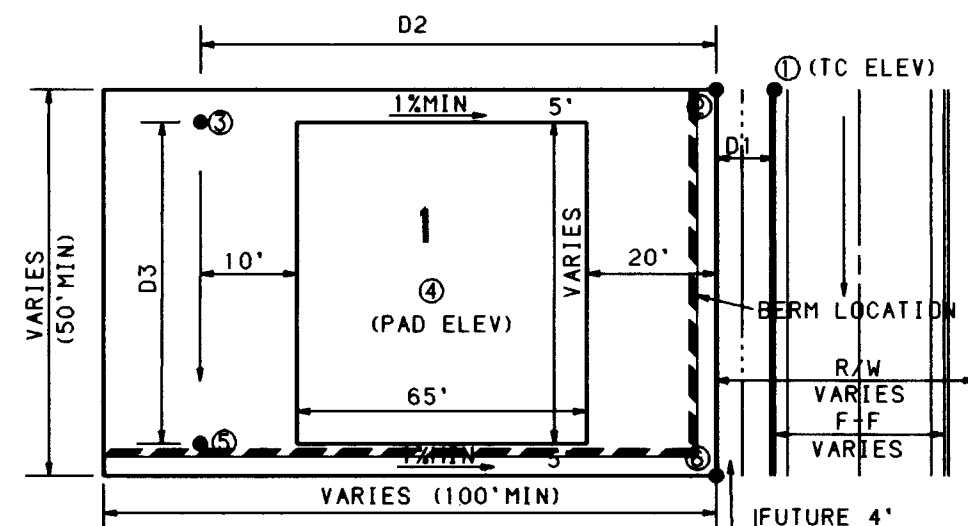
NOTE: ALL AREAS FROM THE REAR OF THE PAD TO THE STREET TO DRAIN TO THE STREET. POND IS DESIGNED FOR BACKYARD RUNOFF ONLY.



SECTION A-A

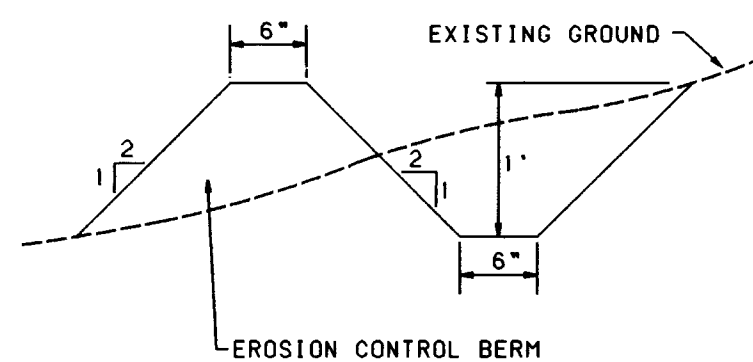
TABLE A

LOT	POND SIZE
UNIT 4	(L x W x D)
1	11' x 4' x 6"
2,3	30' x 5' x 1'
4	22' x 7' x 1'
5	50' x 10' x 1'
6,7,9	40' x 4' x 6"
8,10	44' x 4' x 6"
11	30' x 12' x 1'
UNIT 5	
50	32' x 5' x 1'
51	30' x 5' x 1'
52,53	30' x 4' x 6"
115-121	30' x 4' x 6"
54	35' x 4' x 6"
55	55' x 4' x 6"
56	10' x 30' x 1'
133,136	10' x 30' x 1'
131	10' x 10' x 6"
132,137	10' x 25' x 1'
134	40' x 10' x 1'
135	10' x 35' x 1'
137	10' x 25' x 1'
148-152	35' x 2.5' x 6"
176-181	35' x 5' x 6"
UNIT 6	
168-170	35' x 2.5' x 6"
171	4' x 25' x 6"
172	35' x 2.5' x 6"
173	35' x 2.5' x 6"
72,73	25' x 20' x 6"
74	20' x 5' x 1'
83,84	35' x 5' x 1'
95-97	35' x 5' x 1'



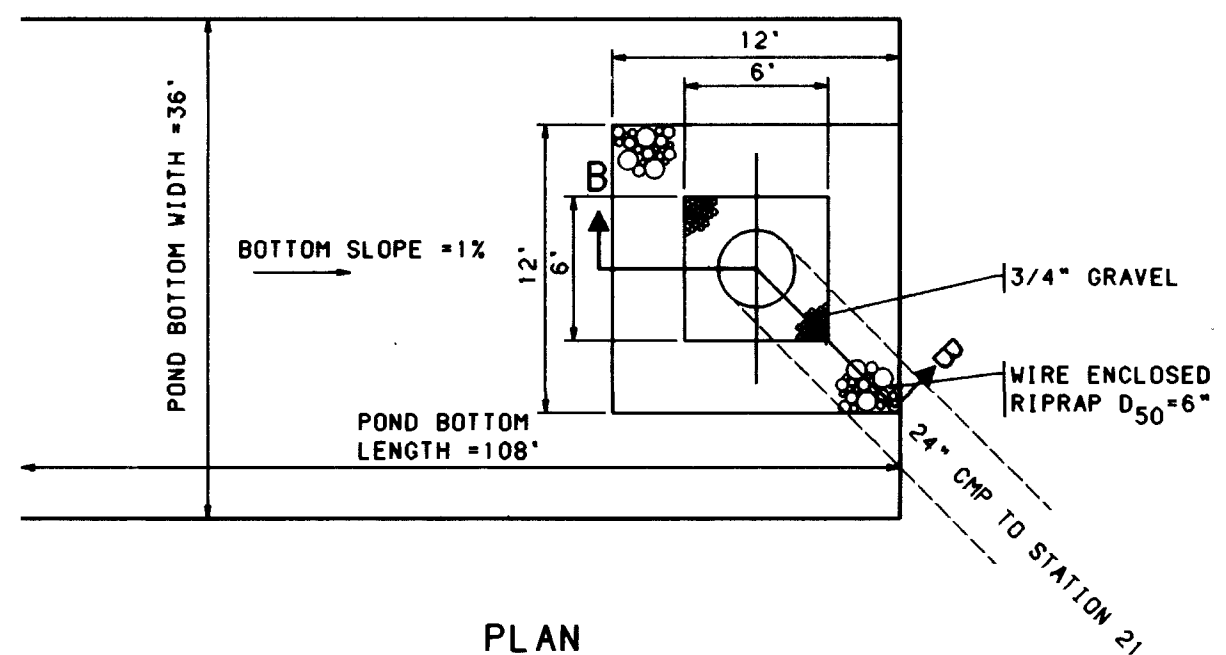
TYPICAL LOT GRADING PLAN

TO SET SPOT ② - MULTIPLY D1 BY 2% AND ADD TO SPOT ① ON HIGH SIDE OF STREET
TO SET SPOT ③ - MULTIPLY D2 BY 1% AND ADD TO SPOT ②
TO SET SPOT ④ - ADD 0.5' TO SPOT ③ AND ROUND TO NEAREST 0.5'
TO RESET SPOT ⑤ - SUBTRACT 0.5' FROM SPOT ④
TO SET SPOT ⑥ - MULTIPLY D3 BY 1% AND SUBTRACT FROM SPOT ⑤
(CHECK SLOPE FROM SPOT ⑤ TO SPOT ⑥ TO BE MIN 1%)
(NOTE: IF STREET SLOPE IS LESS THAN 1% THEN START FROM LOW SIDE OF STREET)

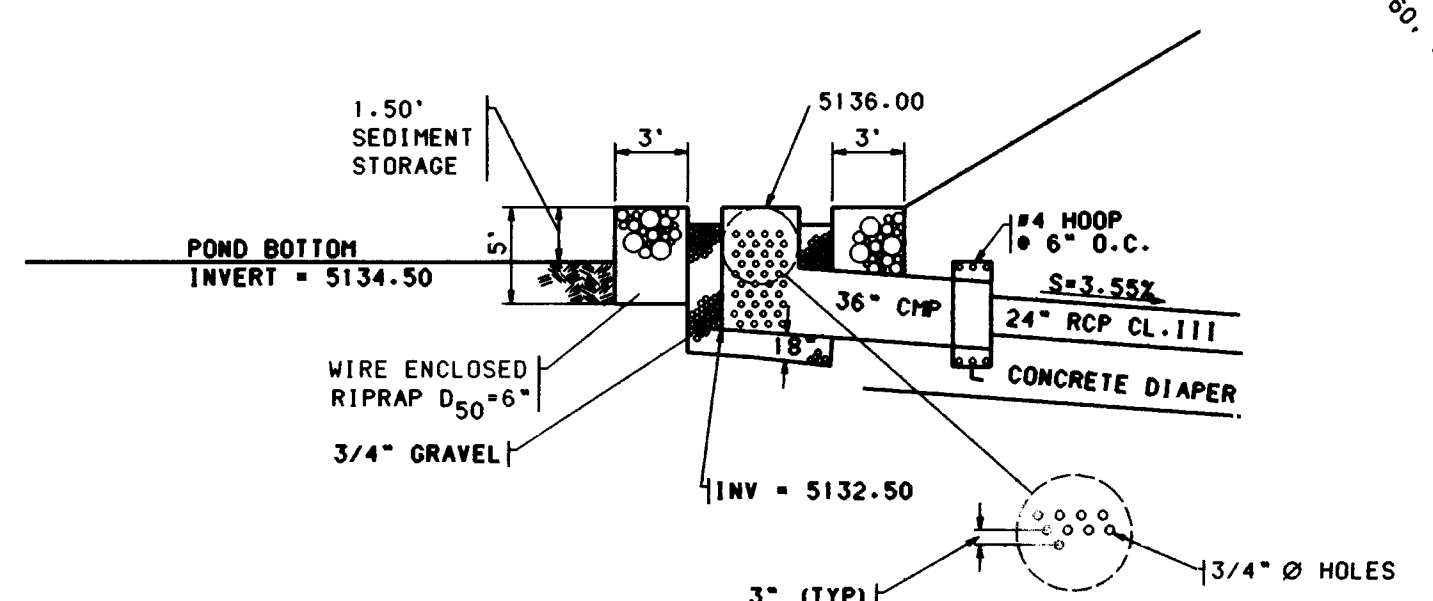


EROSION CONTROL PLAN

A BERM WITH THE DIMENSIONS SHOWN SHALL BE MAINTAINED DURING CONSTRUCTION UNTIL COMPLETION OF INDIVIDUAL HOMES WITHIN THE PROJECT. SEE TYPICAL LOT GRADING PLAN THIS SHEET FOR LOCATION.



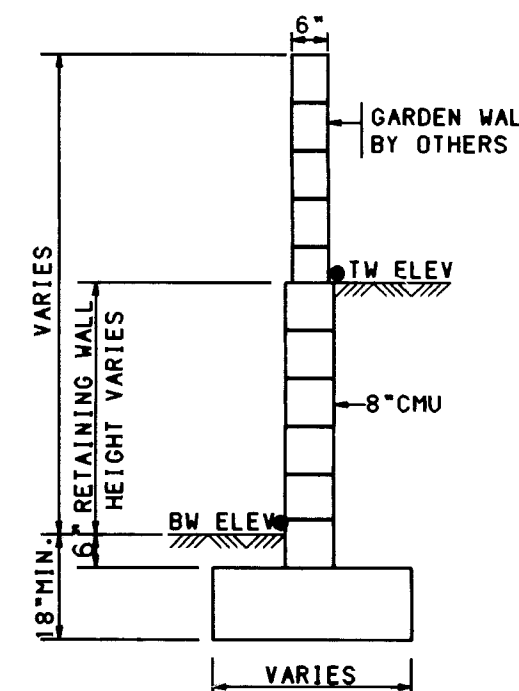
PLAN



PROFILE (SECTION B-B)

POND OUTLET

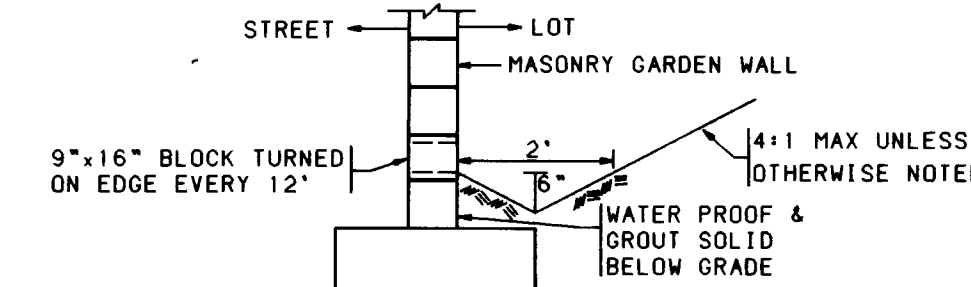
(INCIDENTAL TO DETENTION POND BID ITEM)



TW=FINISHED GRADE ELEVATION AT TOP OF RETAINING WALL
BW=FINISHED GRADE ELEVATION AT BOTTOM OF RETAINING WALL

TYPICAL RETAINING WALL NOMENCLATURE

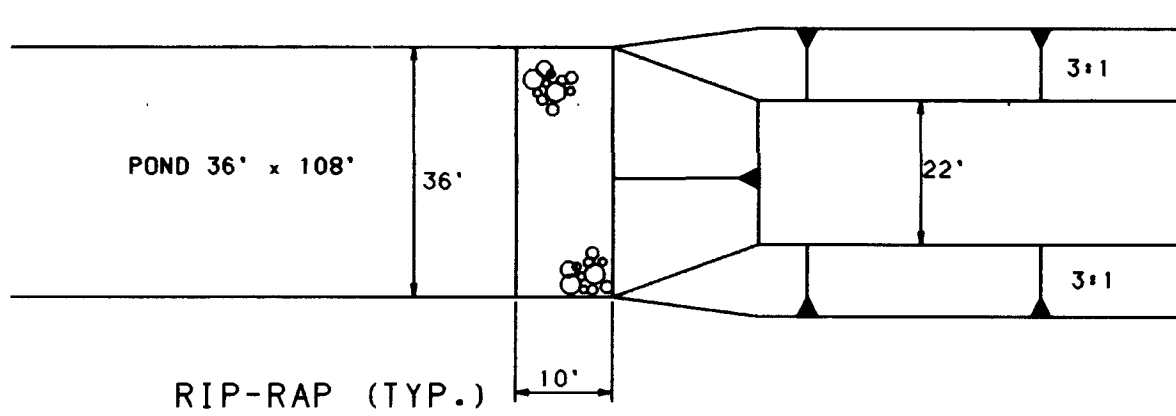
NO SCALE
(RETAINAGE HEIGHT IS TAKEN TO BE DIFFERENCE IN FINISHED GRADES ON LEFT AND RIGHT SIDE OF WALL)



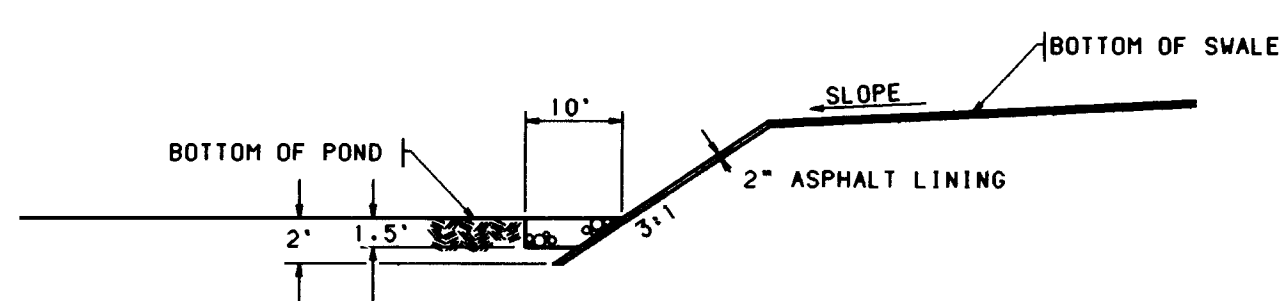
WEEP HOLE DETAIL

NO SCALE

NOTE: TURN BLOCKS ON EDGE FOR WEEP HOLES TYPICAL FOR LOTS 40, 82, 94, 138, 153, 174, & 182.



PLAN



PROFILE

ASPHALT RUNDOWN

GENERAL NOTES

- CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
- THE CONTRACTOR IS TO REFER TO EARTHWORK SPECIFICATION AS NOTED IN THE SOILS REPORT PREPARED BY VINYARD AND ASSOCIATES DATED AUGUST 31, 1994.
- THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE, AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AS PER DETAIL THIS SHEET AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
- ALL SPOT ELEVATIONS ARE TO TOP OF CURB UNLESS OTHERWISE NOTED. VALLEY GUTTER ELEVATIONS ARE SHOWN AT PROJECTED TOP OF CURB ELEVATION.

AS-BUILT INFORMATION	BENCH MARKS	FIELD NOTES	ENGINEER'S SEAL SURVEY INFORMATION
CONTRACTOR: ALC, INC.	TBM NO. 205	NO. BY DATE	NO. BY DATE
INSPECTOR'S ACCEPTANCE BY: ALC, INC.	CHISEL "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.	DATE: 10/27/95	DATE: 10/27/95
DRAWINGS CORRECTED BY: ALC, INC.	ELEV. 5110.55	REMARKS	REVISIONS
MICRO-FILM INFORMATION	RECORDED BY: ALC, INC.	DESIGNED BY: PR. DF	DATE: 10/95
	NO.	DRAWN BY: TSG	DATE: 10/95
		CHECKED BY: JRT	DATE: 10/95

LEGEND

PROJECT BOUNDARY	---
EXISTING CONTOUR	---
EXISTING SPOT ELEVATION	○ 26.5
PROPOSED SPOT ELEVATION	● 26.5
TOP OF ROLL CURB ELEVATION	● 26.5R
DIRECTION OF FLOW	S=2.564%
PHASE BOUNDARY	---
PROPOSED RETAINING WALL	---
EXISTING STORM DRAIN LINE	SD
EXISTING STORM DRAIN MANHOLE	⊙
EXISTING STORM DRAIN INLET	⊙
PROPOSED STORM DRAIN LINE	SD
PROPOSED STORM DRAIN MANHOLE	⊙
PROPOSED STORM DRAIN INLET	⊙

26-4082.93 0497

APPROVED FOR ROUGH GRADING (± 1')

HYDROLOGY ENGINEER: **ALC** DATE: **10-31-95**

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SEVEN BAR NORTH - UNIT 5A GRADING PLAN (DETAILS)

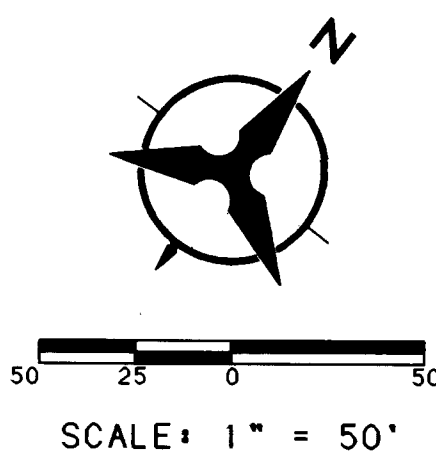
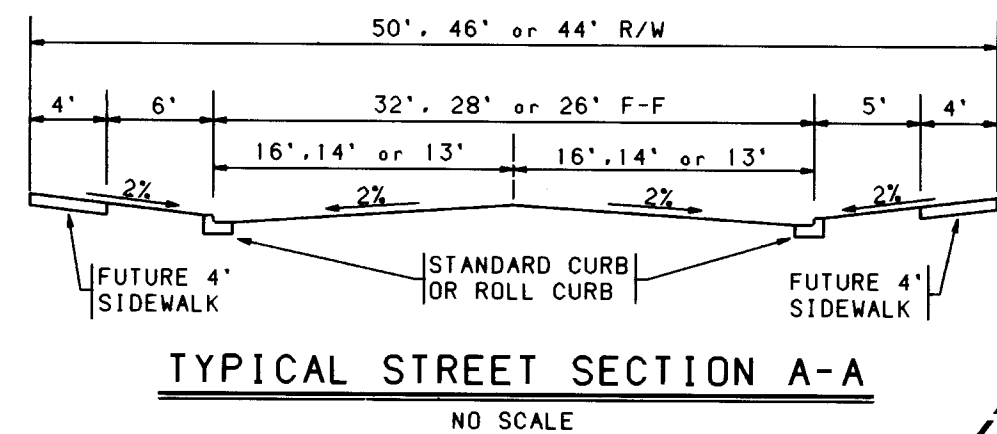
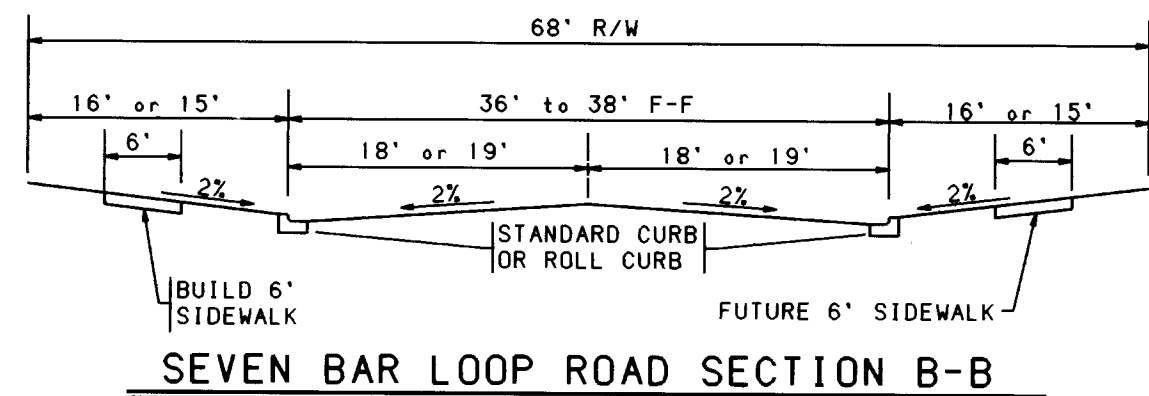
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN			WATER		
TRANSPORTATION			WASTE WATER		
HYDROLOGY	ALC	10-31-95			

DRAWING NO. **4982.93** MAP NO. **A-13** SHEET **3B** OF **24**

BHI JOB NO. 93217.44

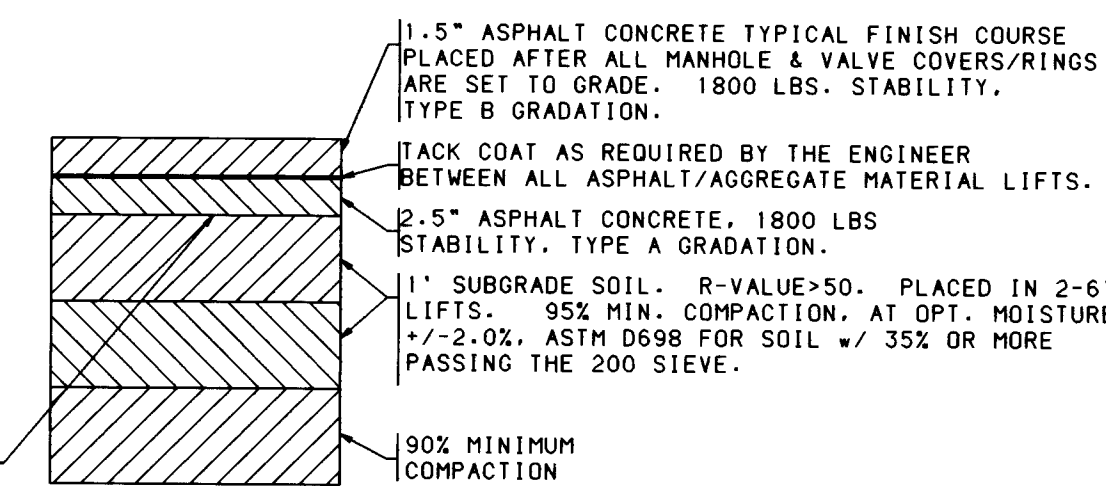
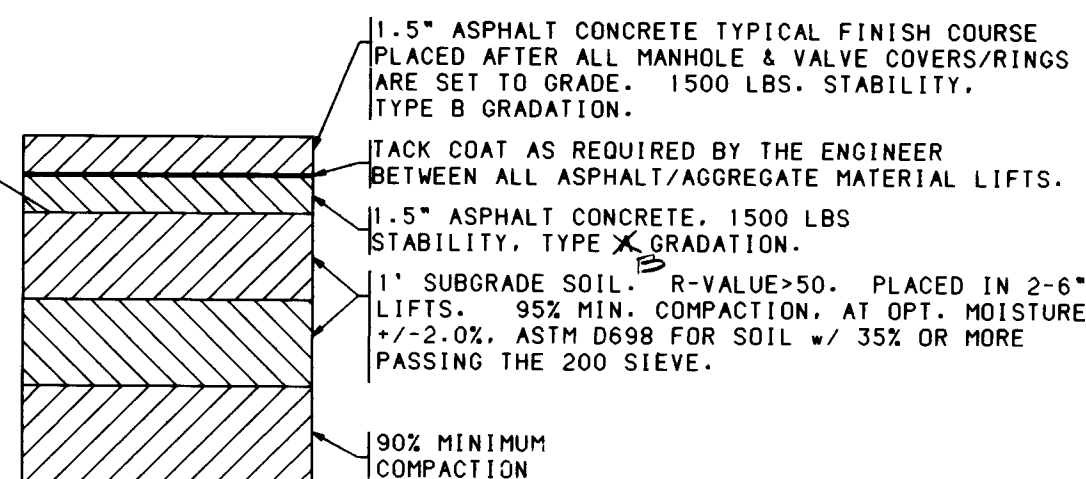
Copyright Bohannon-Houston, Inc. 1995
DATE: OCTOBER, 1995

SCANNED BY
BYLASON



STA.1+00.00 CAMPO DE MAIZ ROAD
STA.25+76.46 CARRETA DRIVE

FINISH SURFACES OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT THE COMPACTION MOISTURE RANGE, OR A PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/ FINAL SURFACING IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION ARE COMPLETED.



FINISH SURFACES OF SUBGRADE SHALL BE MOISTURE CONTROLLED AT THE COMPACTION MOISTURE RANGE, OR A PRIME COAT APPLIED AS REQUIRED BY THE ENGINEER UNTIL NEXT/ FINAL SURFACING IS COMPLETED. SUBGRADE PREPARATION SHALL BE PERFORMED AFTER ALL SUBSURFACE R/W UTILITIES CONSTRUCTION ARE COMPLETED.

NO SCALE
NOTE: REFER TO COA STD DWG 2407

UNIT 5B

UNIT 5A

LEGEND

- PROJECT BOUNDARY
- PROPOSED CURB & GUTTER
- FUTURE CURB & GUTTER
- FUTURE SIDEWALK
- PROPOSED RETAINING WALL
- PROPOSED SANITARY SEWER MANHOLE
- FUTURE SANITARY SEWER MANHOLE
- PROPOSED FIRE HYDRANT
- EXISTING FIRE HYDRANT
- PROPOSED GATE VALVE
- FUTURE 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
- FUTURE STREET LIGHT

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

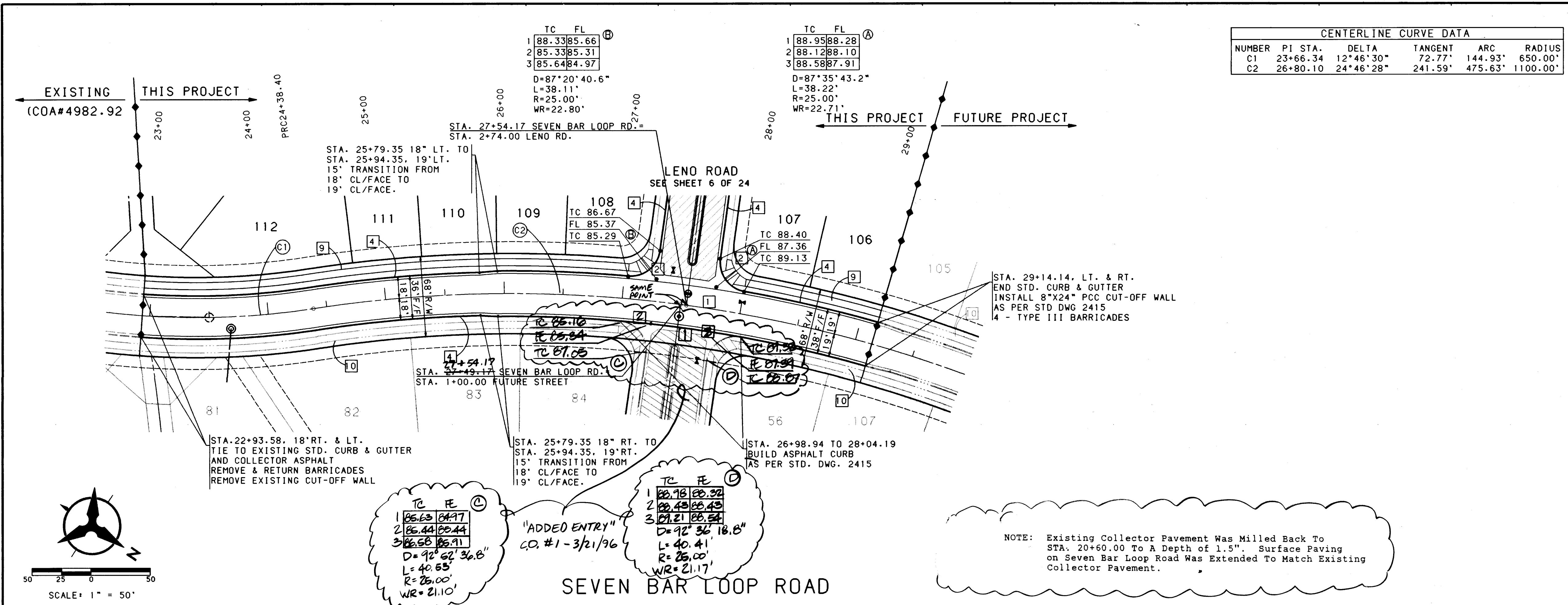
SEVEN BAR NORTH - UNIT 5A
PAVING PLAN

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	11-9-95	WATER	<i>[Signature]</i>	11-9-95
TRANSPORTATION	<i>[Signature]</i>	9-13-95	WASTE WATER	<i>[Signature]</i>	11-9-95
HYDROLOGY	<i>[Signature]</i>	10-31-95			

DRAWING NO. 4982.93 MAP NO. A-13 SHEET 4 OF 24

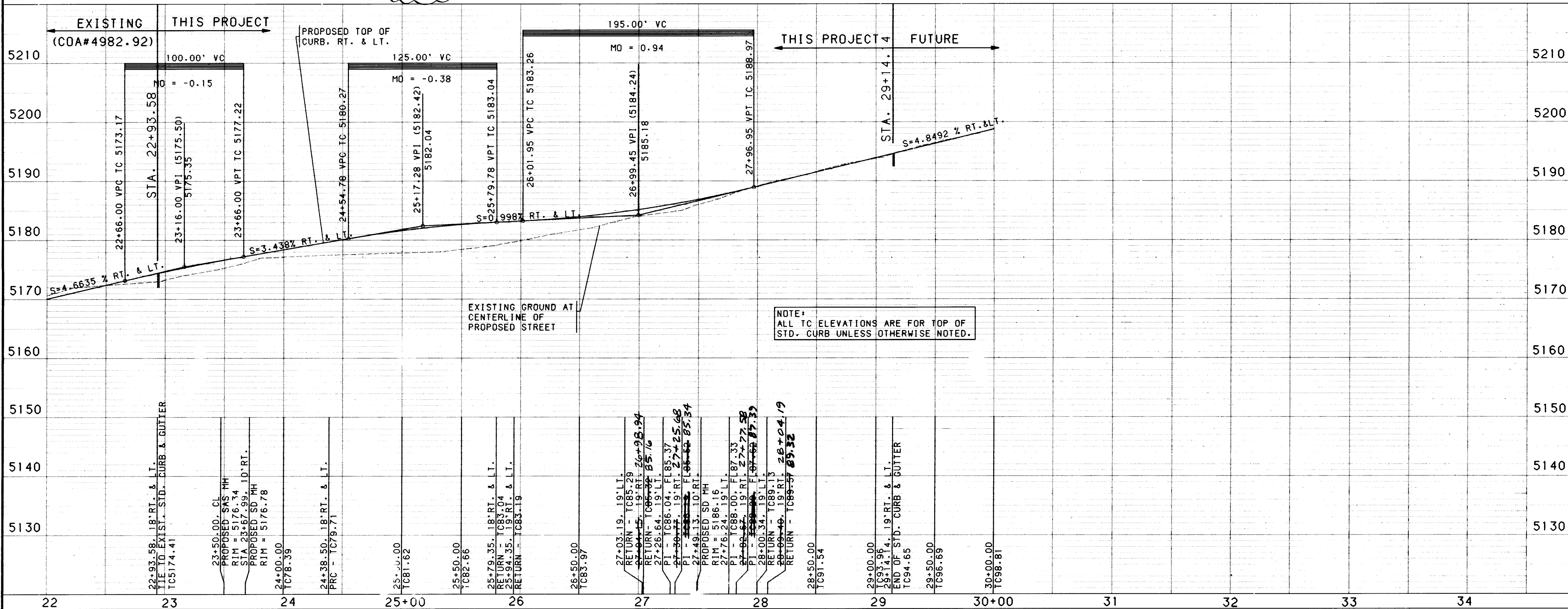
SCANNED BY
BY LASON

26-4982.93 05197



CENTERLINE CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	23+66.34	12°46'30"	72.77'	144.93'	650.00'
C2	26+80.10	24°46'28"	241.59'	475.63'	1100.00'

- 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 EMD 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 (NMUT 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.



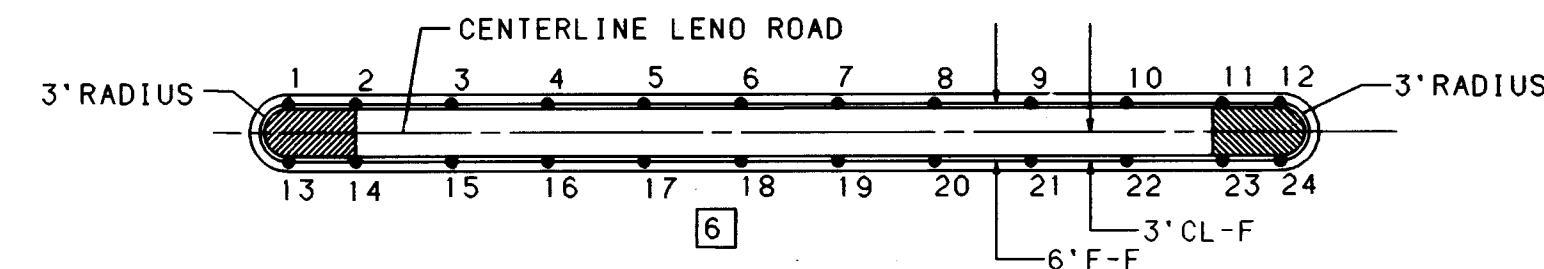
KEYED GENERAL NOTES					
1	INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420				
2	INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II				
3	INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE I				
4	STD. CURB & GUTTER AS PER STD. DWG. 2415				
5	ROLL CURB & GUTTER AS PER STD. DWG. 2415				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

CENTERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	S63°47'35"W	174.00'

TC	FL
1 85.22	84.55
2 84.38	84.36
3 84.50	84.16
D=92°13'37.2"	
L=40.24'	
R=25.00'	
WR=28.69'	

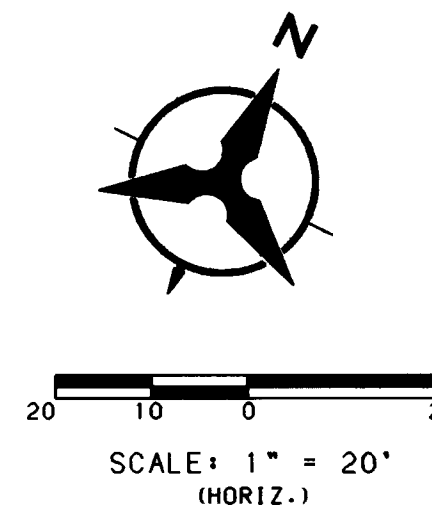
TC	FL
1 88.95	88.28
2 88.12	88.10
3 88.58	87.91
D=87°35'42"	
L=38.22'	
R=25.00'	
WR=22.71'	

SEVEN BAR LOOP RD.
SEE SHEET 5 OF 24



MEDIAN CURB DETAIL

PT	TC	FL	STATION & OFFSET	PT	TC	FL	STATION & OFFSET
1	84.76	84.26	1+33.00, 3.00'LT.	13	84.70	84.20	1+33.00, 3.00'RT.
2	85.04	84.54	1+40.00, 3.00'LT.	14	84.98	84.48	1+40.00, 3.00'RT.
3	85.44	84.94	1+50.00, 3.00'LT.	15	85.38	84.88	1+50.00, 3.00'RT.
4	85.84	85.34	1+60.00, 3.00'LT.	16	85.78	85.28	1+60.00, 3.00'RT.
5	86.23	85.73	1+70.00, 3.00'LT.	17	86.17	85.67	1+70.00, 3.00'RT.
6	86.60	86.10	1+80.00, 3.00'LT.	18	86.53	86.03	1+80.00, 3.00'RT.
7	86.93	86.43	1+90.00, 3.00'LT.	19	86.84	86.34	1+90.00, 3.00'RT.
8	87.24	86.74	2+00.00, 3.00'LT.	20	87.12	86.62	2+00.00, 3.00'RT.
9	87.45	86.95	2+10.00, 3.00'LT.	21	87.30	86.80	2+10.00, 3.00'RT.
10	87.56	87.06	2+20.00, 3.00'LT.	22	87.39	86.89	2+20.00, 3.00'RT.
11	87.56	87.06	2+30.00, 3.00'LT.	23	87.36	86.86	2+30.00, 3.00'RT.
12	87.51	87.01	2+36.00, 3.00'LT.	24	87.30	86.80	2+36.00, 3.00'RT.



- NOTES**
- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 - ALL CURB RETURN RADII 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.
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 - ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
 - CONTRACTOR SHALL PROVIDE THE INSPECTORS, (NMU 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.

AS-BUILT INFORMATION		BENCH MARKS		ENGINEER'S SEAL SURVEY INFORMATION		FIELD NOTES	
CONTRACTOR	STANLEY	INSPECTOR'S	DATE	NO.	DATE	NO.	DATE
STATION	11-9-95	CHISELED "X"	LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVISION INLET STRUCTURE ON THE EAST WALL.				
DATE	11-9-95	VERIFIED BY	DATE				
		CORRECTED BY	DATE				
		MICRO-FILM INFORMATION	RECORDED BY				
			NO.				

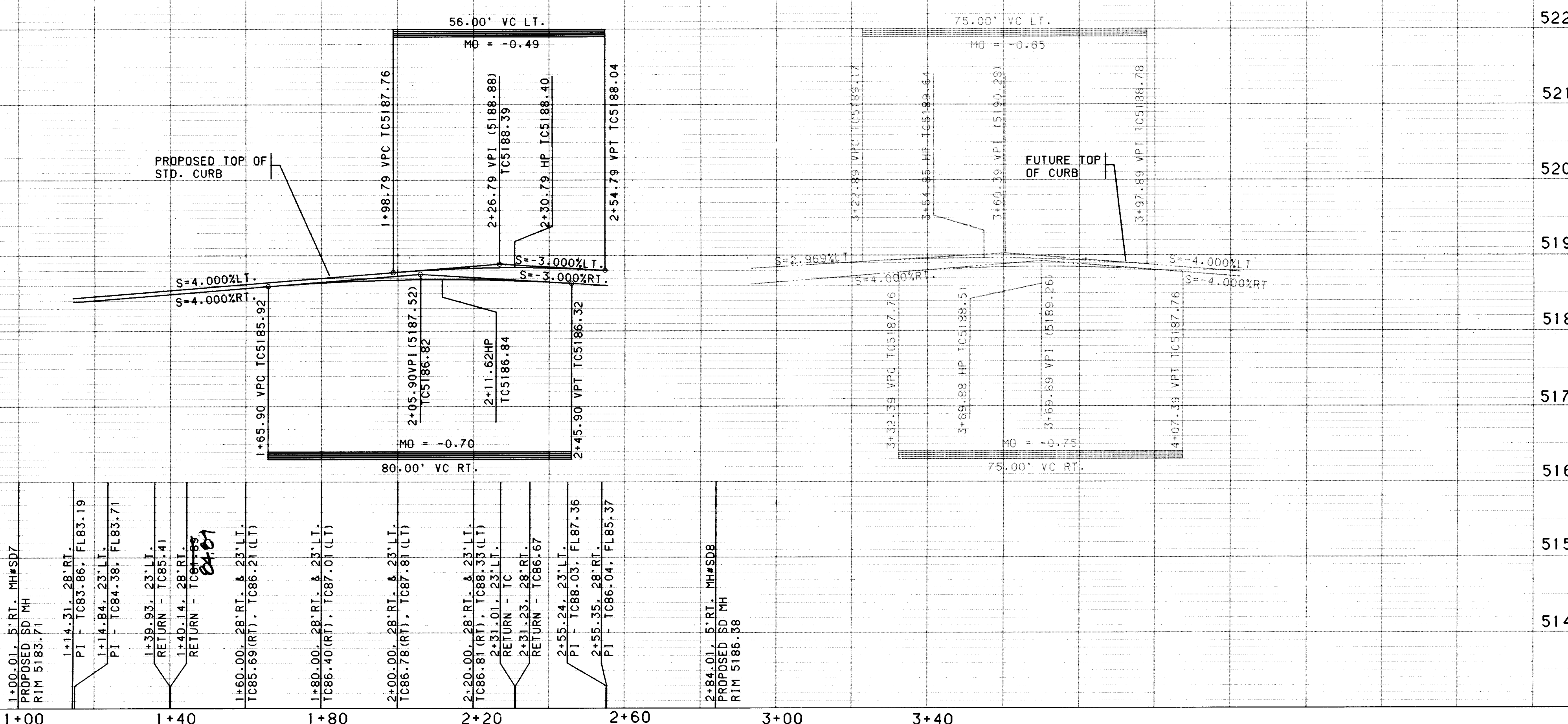
KEYED GENERAL NOTES

- 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 5A PAVING PLAN & PROFILE LENO ROAD		
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	11-9-95	11-9-95	WATER		
TRANSPORTATION	11-9-95	11-9-95	WASTE WATER		
HYDROLOGY	11-9-95	11-9-95			
DRAWING NO.	4982-93	4892-93	MAP NO.	A-13	SHEET 6 OF 24

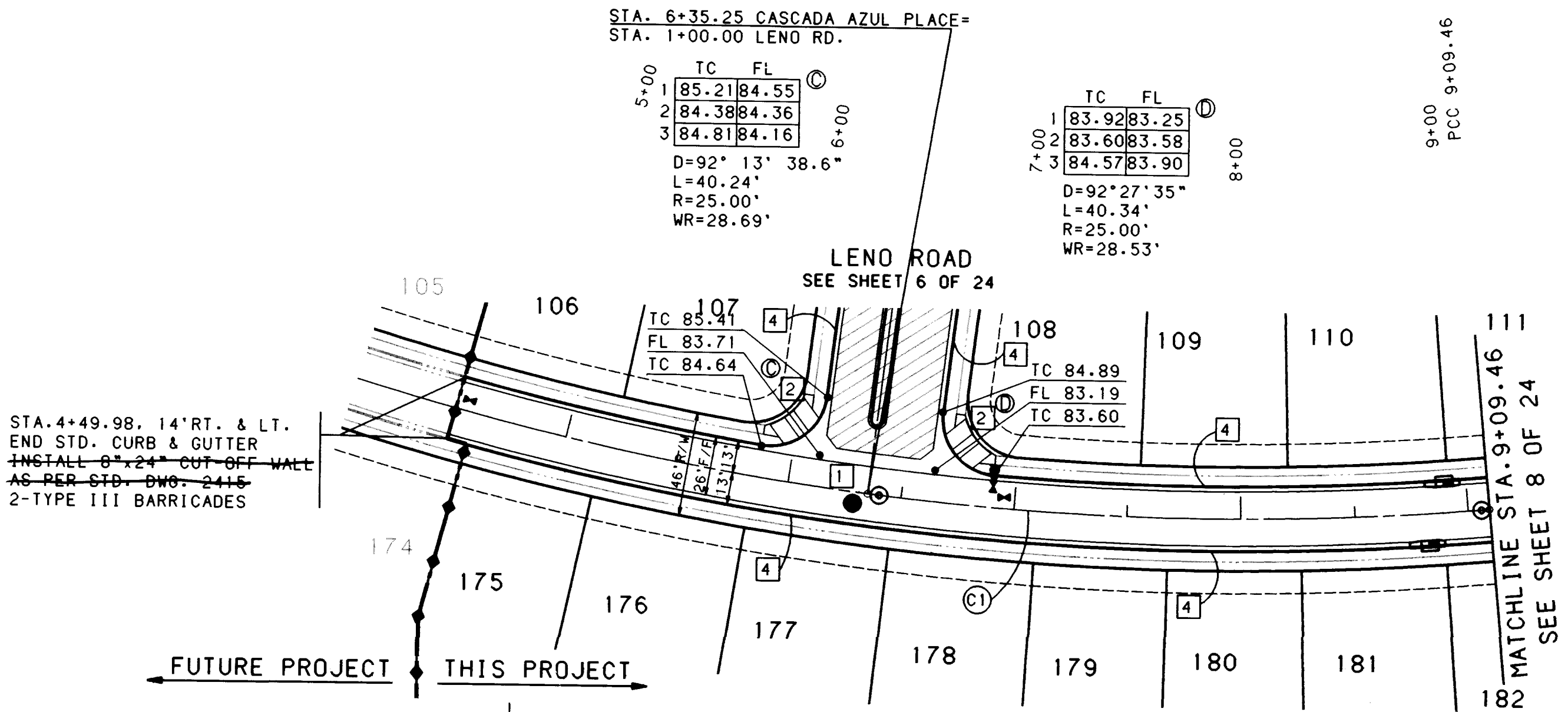
Copyright Bohannon-Huston, Inc. 1995
DATE: APRIL, 1995
BY LASON

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

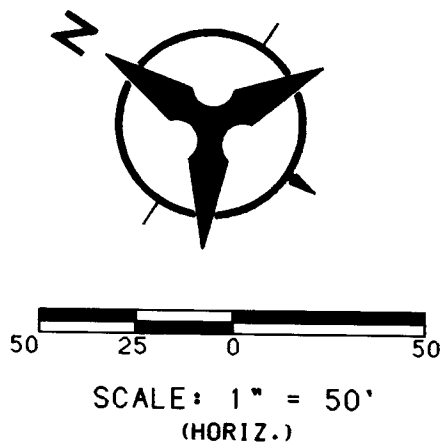


SCALE: 1" = 20' (HORIZ.)
1" = 10' (VERT.)

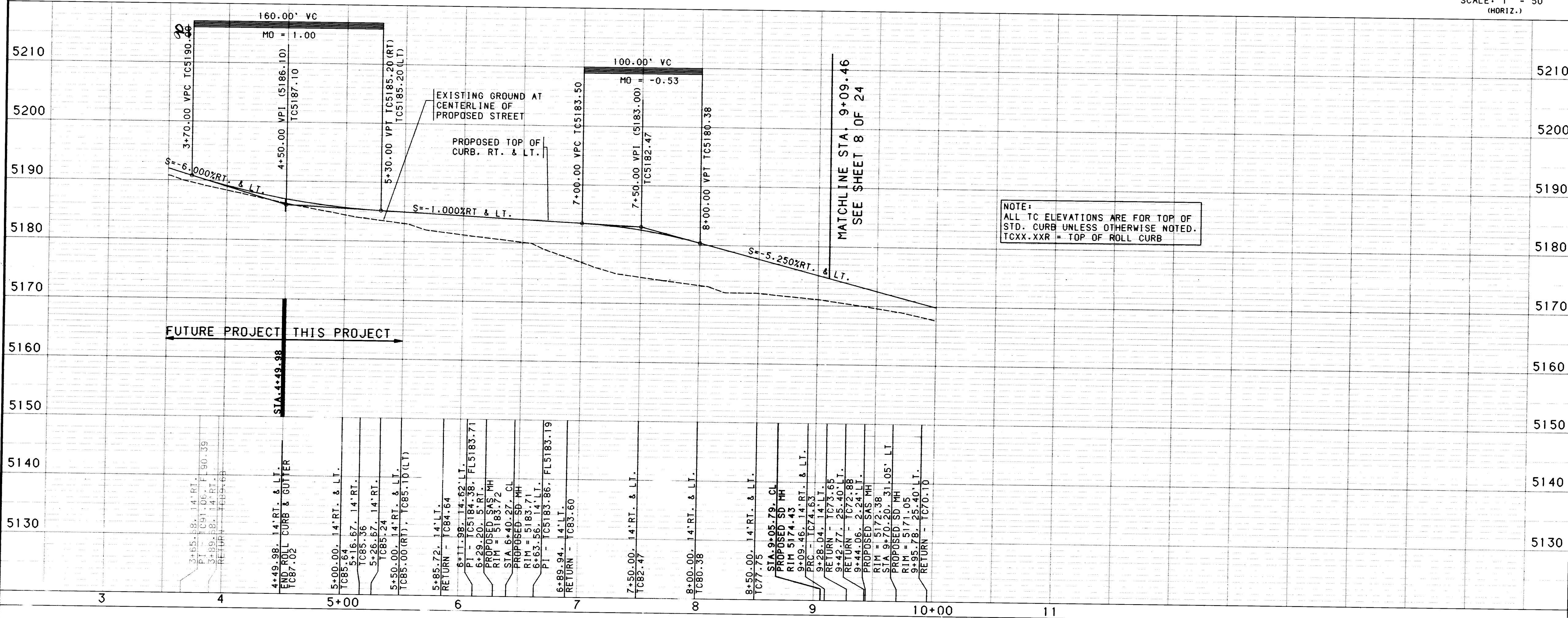
CENTERLINE CURVE DATA					
NUMBER	P1 STA.	DELTA	TANGENT	ARC	RADIUS
C1	6+82.24	20°39'51"	232.26'	459.48'	1274.00'



- NOTES**
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CASCADA AZUL PLACE



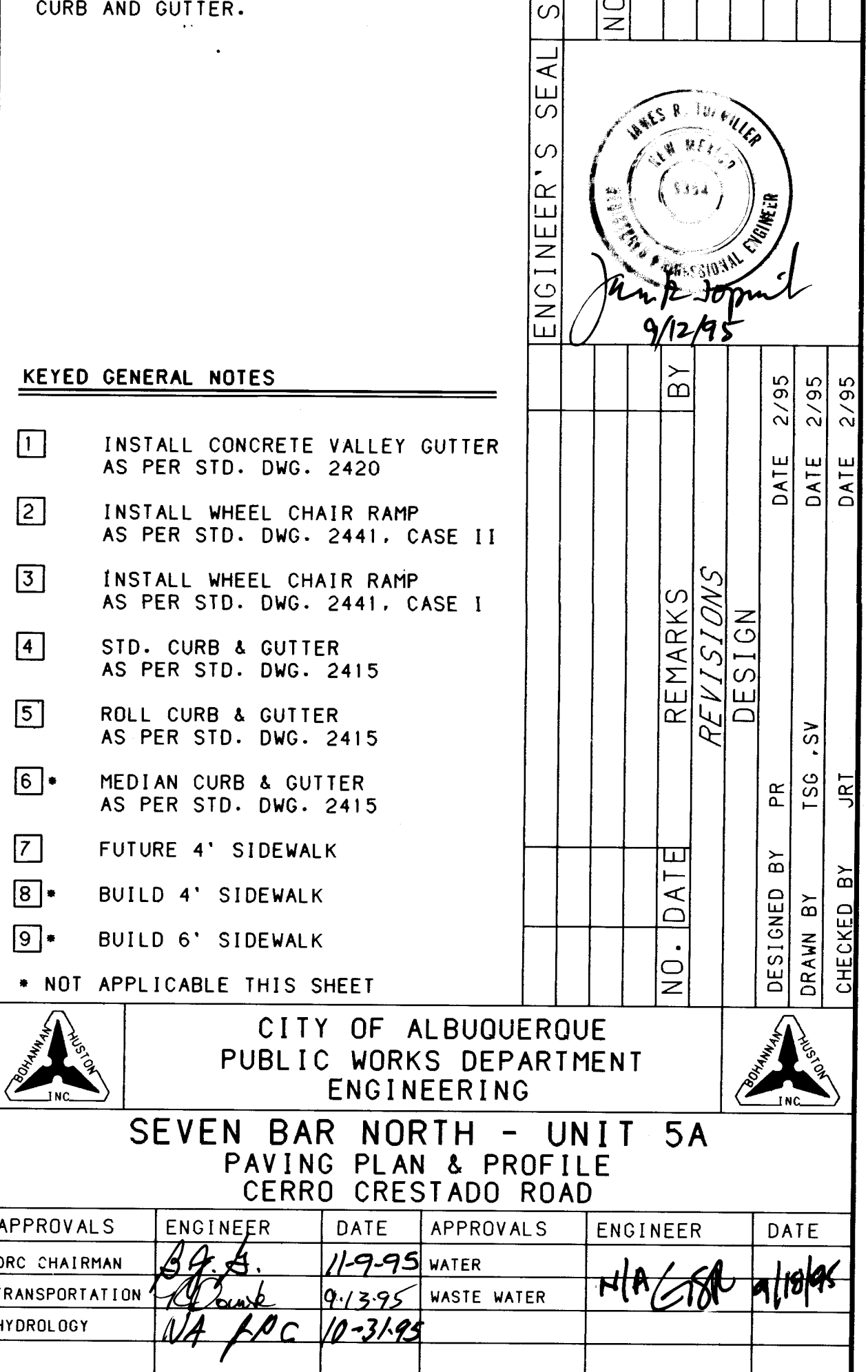
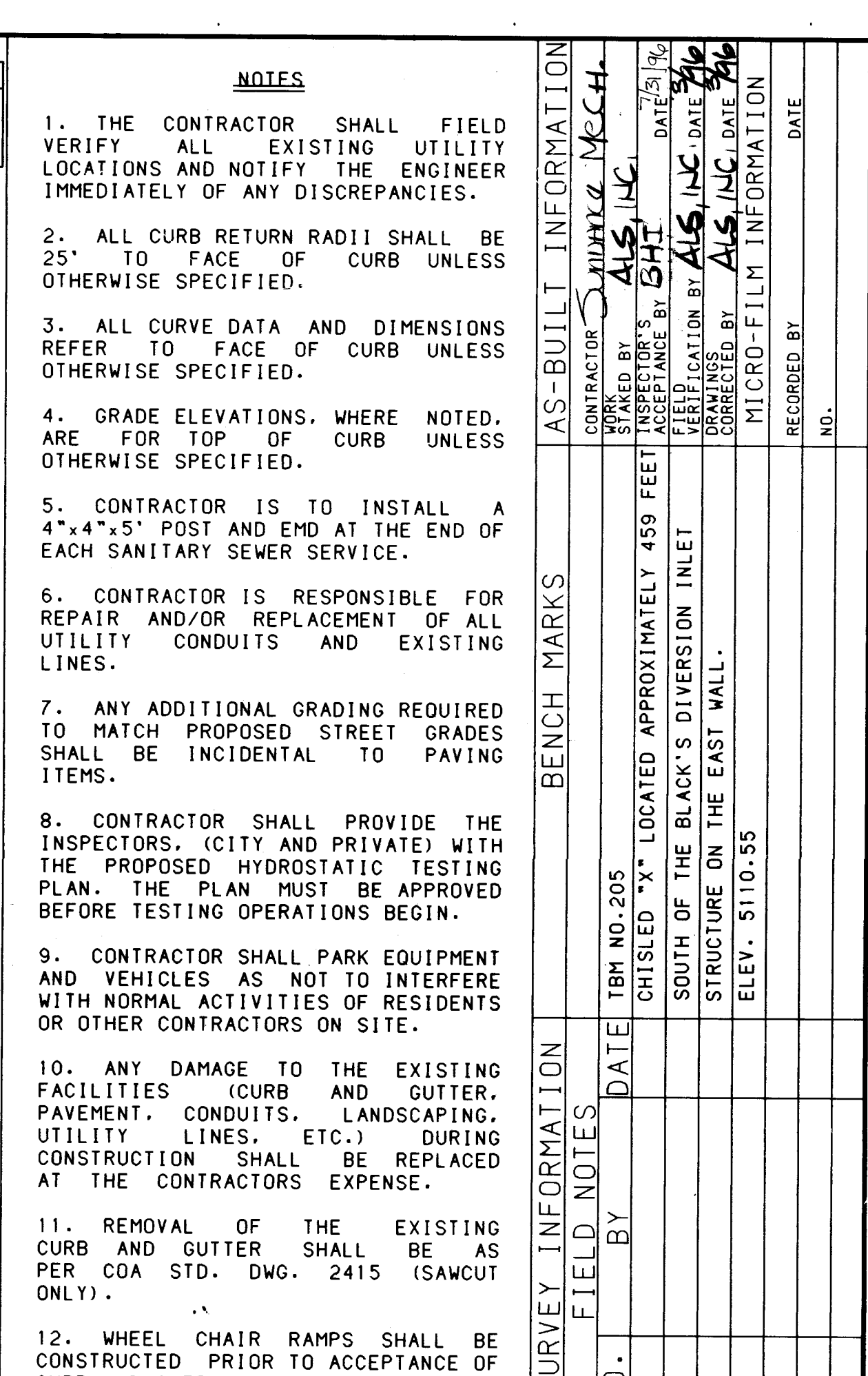
NOTE:
ALL TC ELEVATIONS ARE FOR TOP OF STD. CURB UNLESS OTHERWISE NOTED.
TCXX.XX = TOP OF ROLL CURB

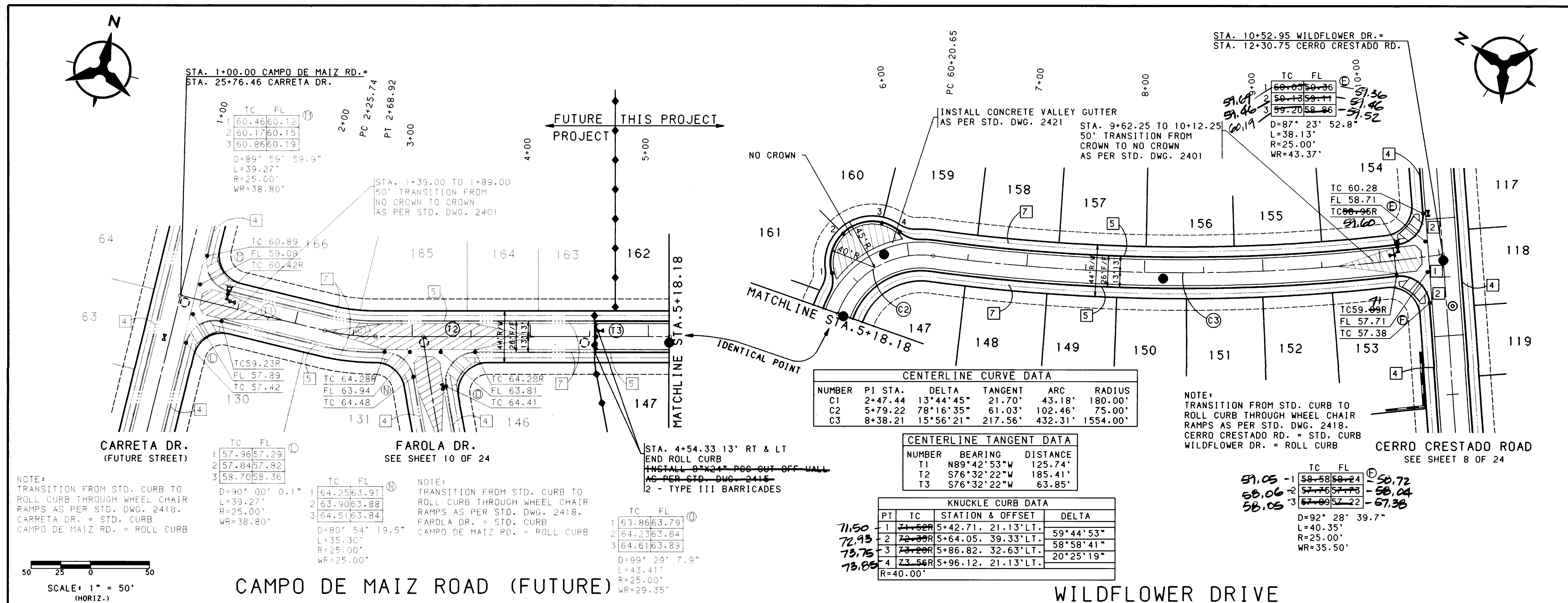
- KEYED GENERAL NOTES**
1. INSTALL CONCRETE VALLEY GUTTER AS PER STD. DWG. 2420
 2. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE II
 3. INSTALL WHEEL CHAIR RAMP AS PER STD. DWG. 2441, CASE I
 4. STD. CURB & GUTTER AS PER STD. DWG. 2415
 5. ROLL CURB & GUTTER AS PER STD. DWG. 2415
 6. MEDIAN CURB & 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 5A
PAVING PLAN & PROFILE
CASCADA AZUL PLACE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	John L. Lashley	11-9-95	WATER	NA	10/10/95
TRANSPORTATION	NA	9/3/95	WASTE WATER	NA	10/10/95
HYDROLOGY	NA	10/3/95			





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 5A
PAVING PLAN & PROFILE**

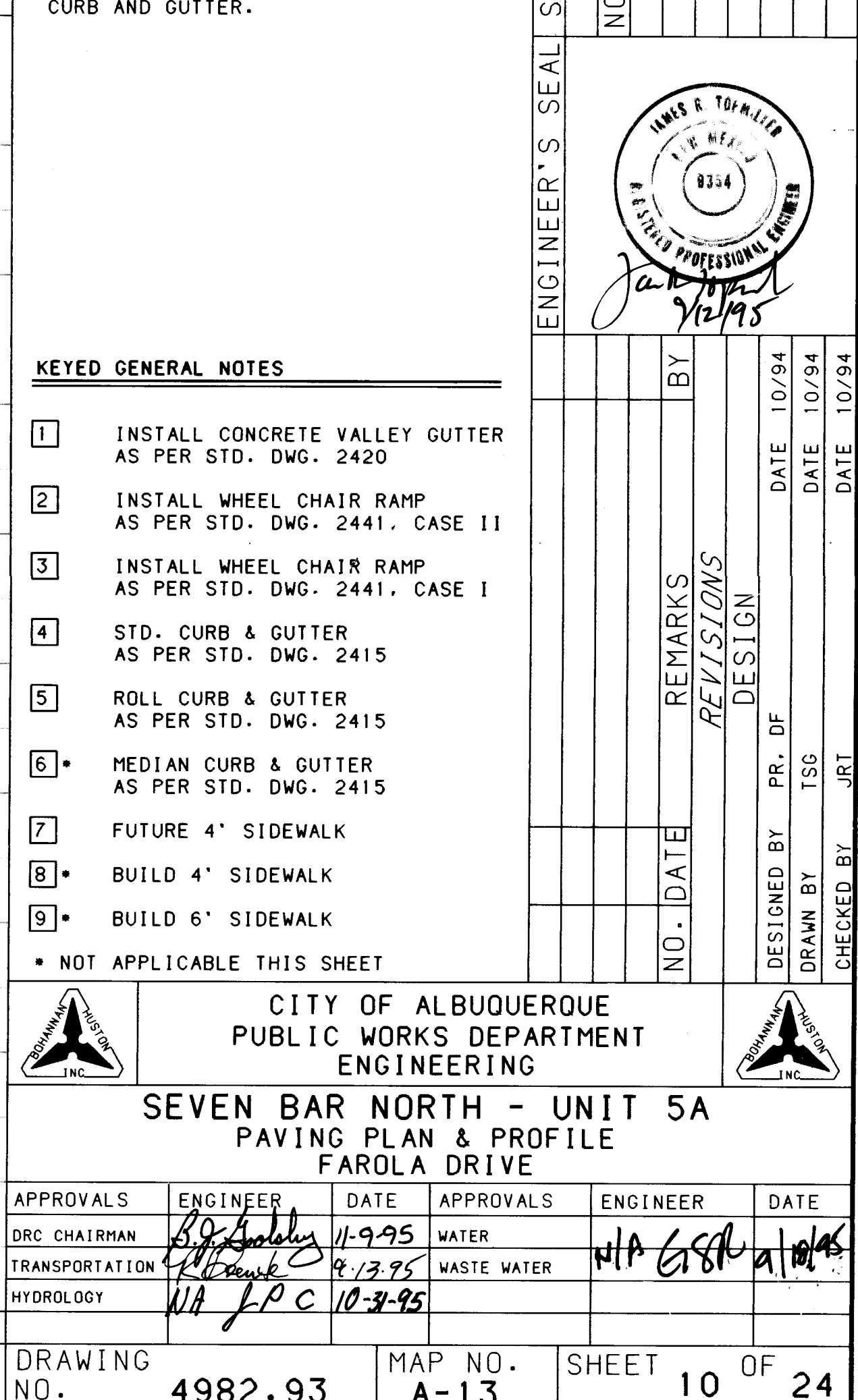
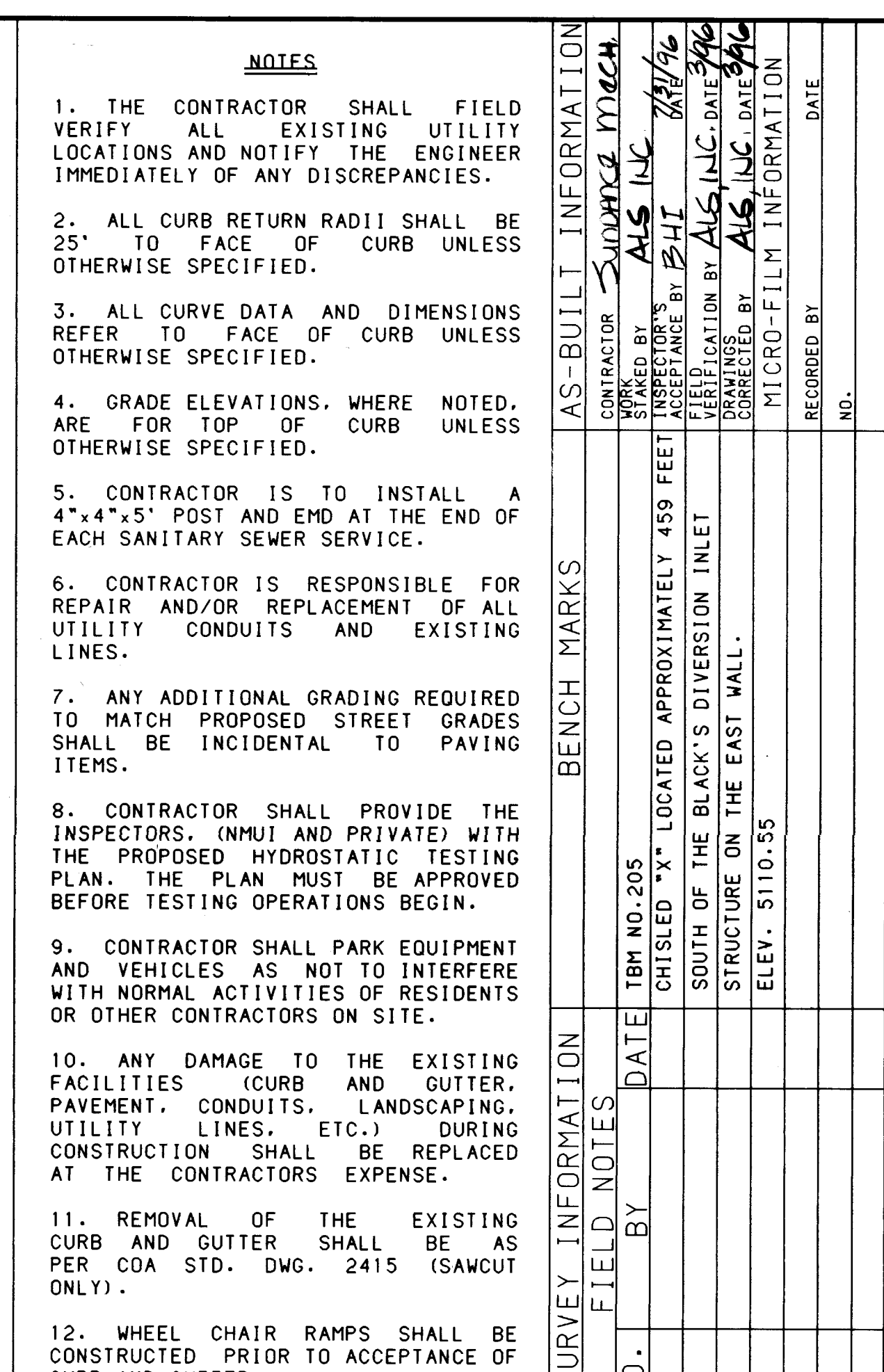
CAMPO DE MAIZ ROAD (FUTURE) / WILDFLOWER DRIVE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	DAE	9/13/95	WATER	DAE	9/13/95
TRANSPORTATION	DAE	9/13/95	WASTE WATER	DAE	9/13/95
HYDROLOGY	DAE	9/13/95			

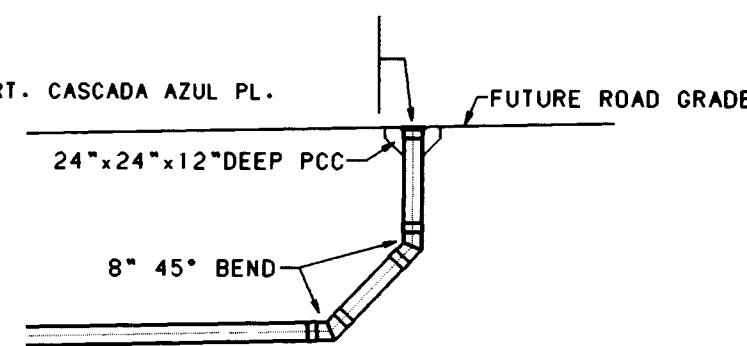
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SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

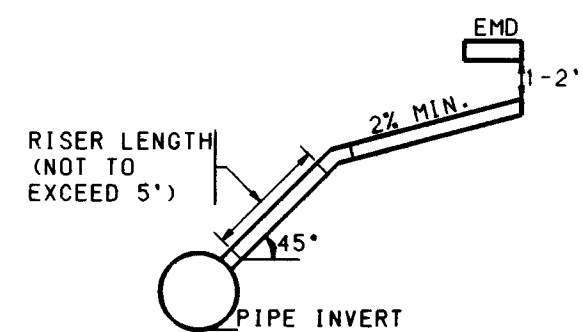
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DATE: APRIL, 1995



NEENAH
R-7514 CI LID
STA. 4+15.00-5' RT. CASCADE AZUL PL.
RIM XXXX.XX



TEMPORARY SAS CLEANOUT
NO SCALE



SERVICE RISER DETAIL
(SERVICE CONNECTION & INSTALLATION
TO CONFORM TO COA STD. DWG. 2134.)

2" WATER METER BOX,
CURB STOP, & 6" CONC.
PAD PER STD DWG 2363

STD. CURB OR ROLL CURB

12", 8" or 6" x 2" TAPPED CAP
2" WL
2" TEMPORARY SERVICE FOR FLUSHING LINE
NO SCALE

2" COPPER
ANGLE STOP

2" CI 90° BEND w/
THREADED END

TYPICAL UTILITY SERVICE LOCATION
NO SCALE

LEGEND

- PROJECT BOUNDARY
- PROPOSED CURB & GUTTER
- FUTURE 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 INLET
- EXISTING STORM DRAIN LINE
- 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

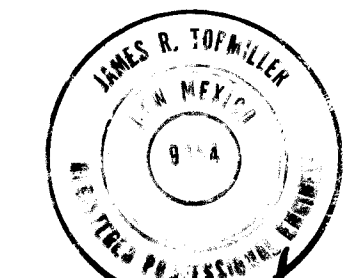
UNIT 5B

UNIT 5A



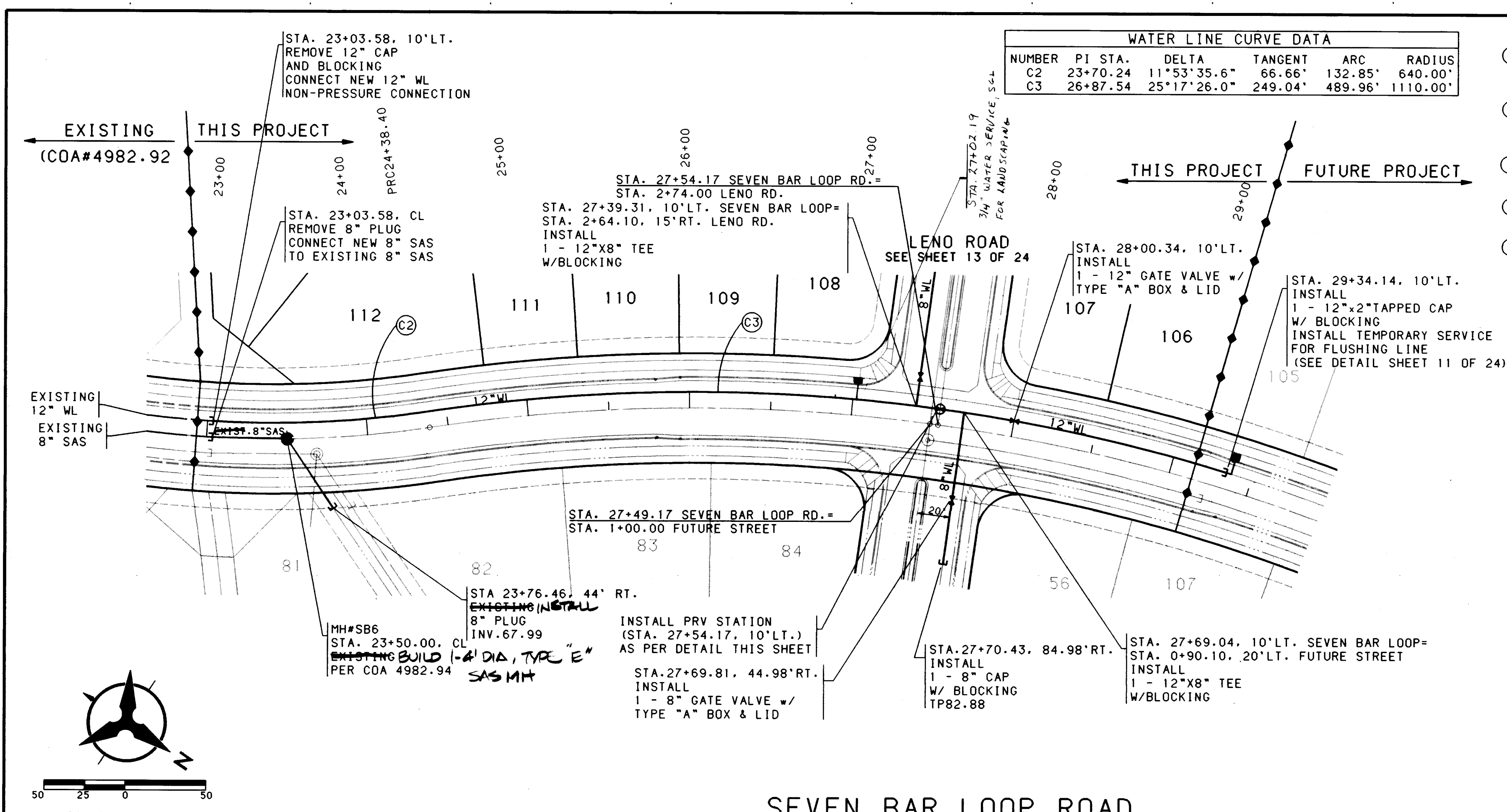
SCALE: 1" = 50'

AS-BUILT INFORMATION		BENCH MARKS		ENGINEER'S SEAL		SURVEY INFORMATION	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
CHISLED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.	1/11/96						
VERIFICATION BY	DATE						
COMPILED BY	DATE						
RECORDED BY	DATE						



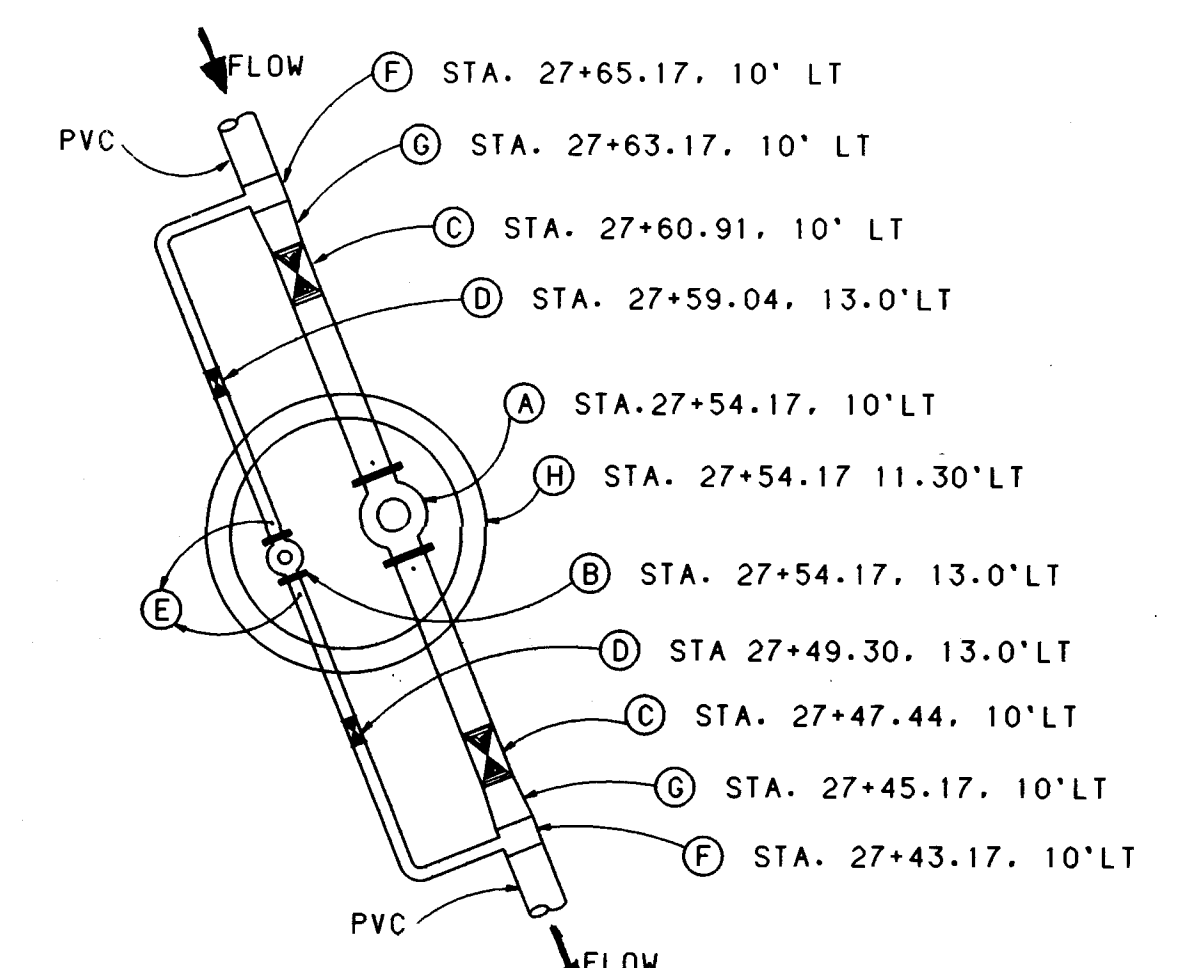
NO.	DATE	REMARKS	DESIGNED BY	DATE	CHECKED BY	DATE

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
SEVEN BAR NORTH - UNIT 5A UTILITY PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	11-9-95		WATER		
TRANSPORTATION	9/3/95		WASTE WATER		
HYDROLOGY	10/31/95		NHUI		
DRAWING NO. 4982.93		MAP NO. A-13		SHEET 11 OF 24	



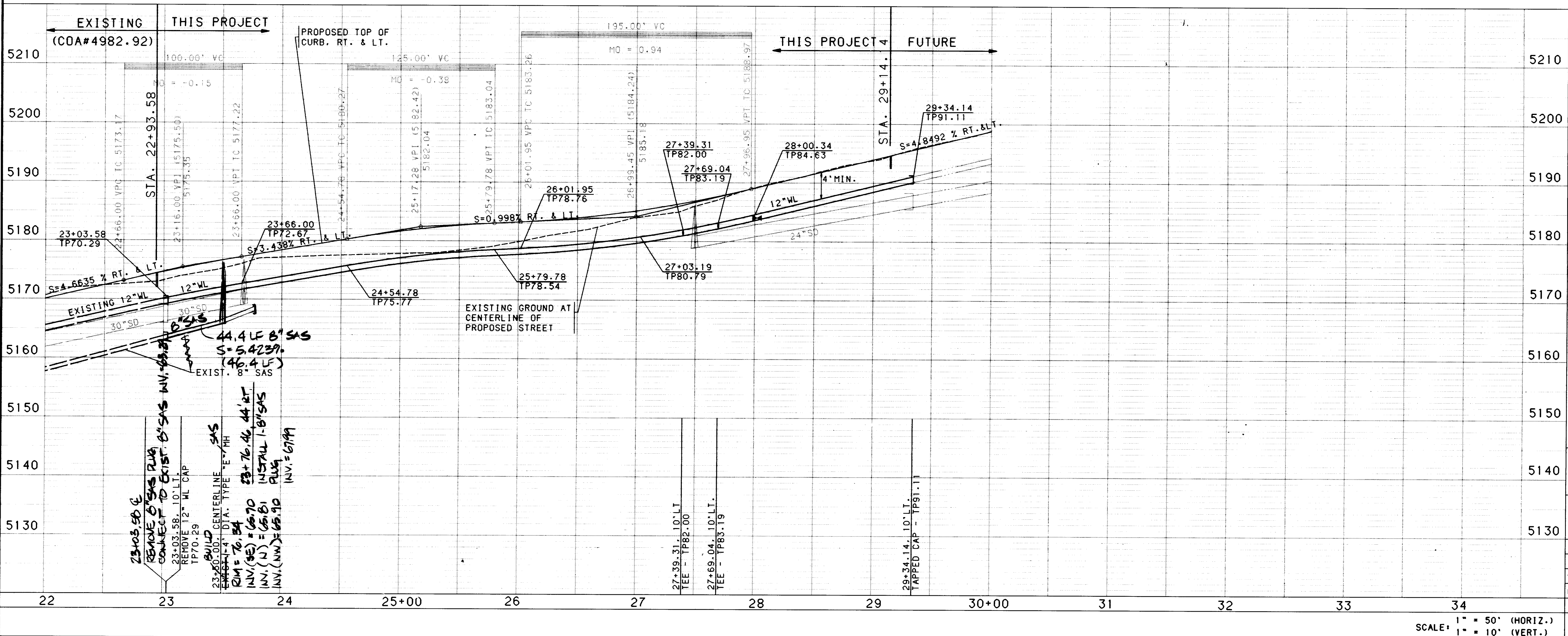
WATER LINE CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C2	23+70.24	11°53'35.6"	66.66'	132.85'	640.00'
C3	26+87.54	25°17'26.0"	249.04'	489.96'	1110.00'

- PRESSURE REDUCING STATION NOTES**
- A 10" PRESSURE REDUCING VALVE CLAYTON FLANGED 926-01-CSBJ SERIES CLASS 150
 - B 4" PRESSURE REDUCING VALVE CLAYTON FLANGED 926-01-CSBJ SERIES CLASS 150
 - C 10" GATE VALVE w/ TYPE "A" BOX & LID FLANGED
 - D 4" GATE VALVE w/ TYPE "A" BOX & LID FLANGED
 - E PRESSURE GAUGES w/ 1/2" PETCOCK CONNECTIONS, FREEZE PROOF & LIQUID FILLED
 - F 12"x12"x4" TEE FLANGED w/ BLOCKING
 - G 12"x10" REDUCER FLANGED w/BLOCKING
 - H INSTALL PRESSURE REDUCING VALVES IN A 6" DIA. TYPE "C" MANHOLE IN A MANNER SIMILAR TO COA STD DWG 2353 INCLUDING ALL PEDESTALS, GROUTING, CLEARANCES AND PETCOCK CONNECTIONS. RIM ELEV=5186.78 USE BILLCO LID J-ALH-20 4'x4'



PRESSURE REDUCING STATION
NOT TO SCALE
SEE KEYED NOTES ABOVE
STATIONING REFERS TO CENTERLINE STATIONING, 7BAR LOOP ROAD
ALL CONNECTING PIPES SHALL BE DUCTILE IRON PIPE

SEVEN BAR LOOP ROAD



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.
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- WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.

ENGINEER'S SEAL SURVEY INFORMATION

NO.	DATE	REMARKS	DESIGNED BY	DRAWN BY	CHECKED BY
1	11-9-95	DESIGN	PR	TSG	JRT

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING

SEVEN BAR NORTH - UNIT 5A UTILITY PLAN & PROFILE SEVEN BAR LOOP ROAD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	NA	11-9-95	WATER	NA	11-9-95
TRANSPORTATION	NA	11-9-95	WASTE WATER	NA	11-9-95
HYDROLOGY	NA	11-9-95	NMUI	NA	11-9-95

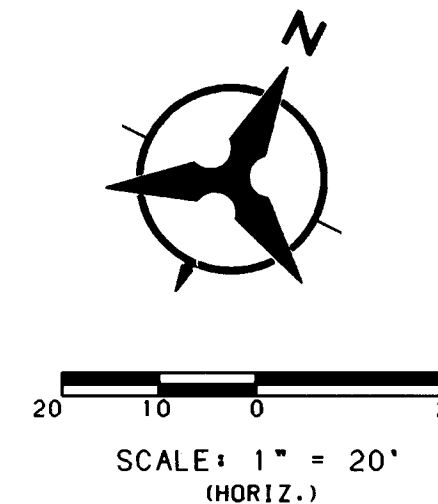
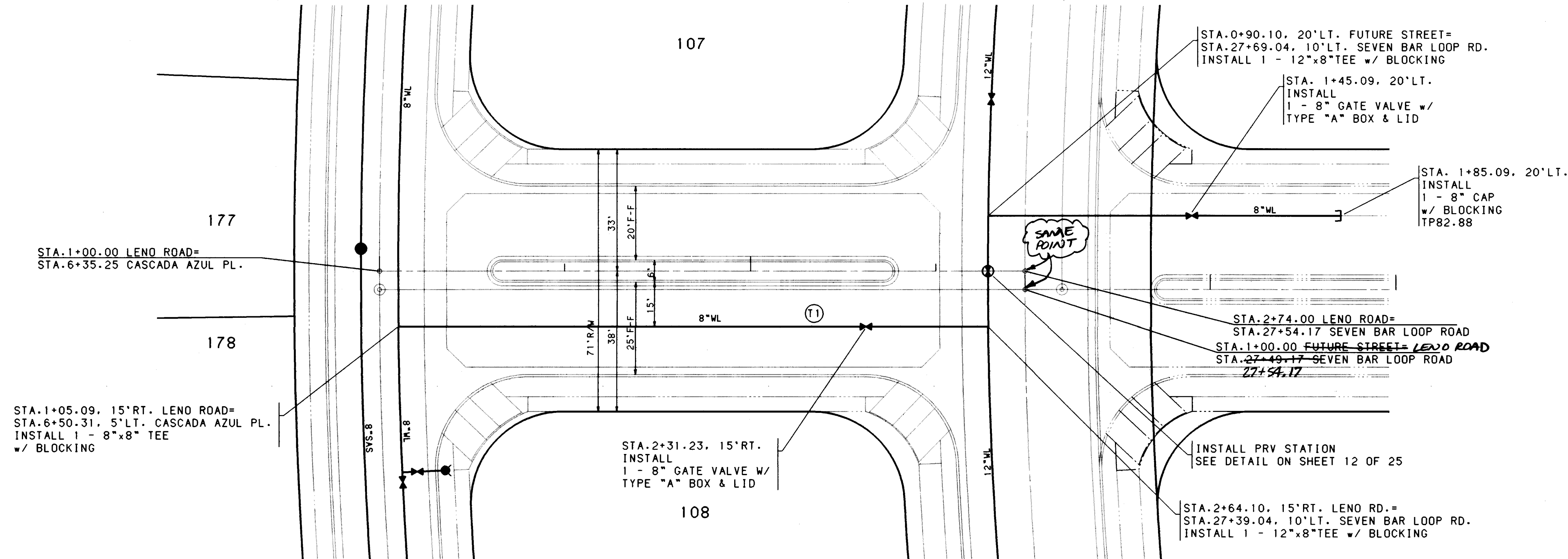
DRAWING NO. 4982.93 MAP NO. A-13 SHEET 12 OF 24

SCANNED BY LASON

WATERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T1	S63°47'35"W	159.01'

CASCADE AZUL PLACE
SEE SHEET 14 OF 24

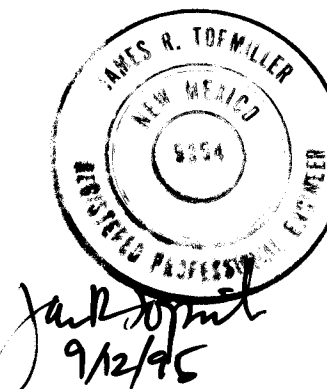
SEVEN BAR LOOP RD.
SEE SHEET 12 OF 24



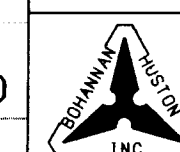
NOTES

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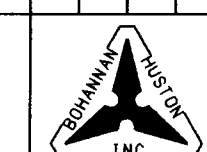
AS-BUILT INFORMATION		BENCH MARKS		ENGINEER'S SEAL SURVEY INFORMATION		FIELD NOTES	
CONTRACTOR	DATE	BM NO.	DATE	NO.	BY	NO.	BY
SHAWNEE MATH	7/27/96	205					
INSPECTED BY	DATE	CHISELED "X"	LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET				
VERIFICATION BY	DATE	STRUCTURE ON THE EAST WALL					
CORRECTED BY	DATE	ELEV. 5110.55					
MICRO-FILM INFORMATION							
RECORDED BY	DATE						



NO.	DATE	REMARKS	BY
		DESIGN	
		REVISIONS	
		PR. DF	
		TSG	
		JRT	
	DATE 2/95		
	DATE 2/95		
	DATE 2/95		



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING



SEVEN BAR NORTH - UNIT 5A
UTILITY PLAN & PROFILE
LENO ROAD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	NA 240	11-9-95	WATER	NA 608	11-9-95
TRANSPORTATION	NA 240	9/13/95	WASTE WATER	NA 608	11-9-95
HYDROLOGY	NA 240	10/31/95	NHUI	NA 608	11-9-95

DRAWING NO.	4982.93	MAP NO.	A-13	SHEET	13	OF	24
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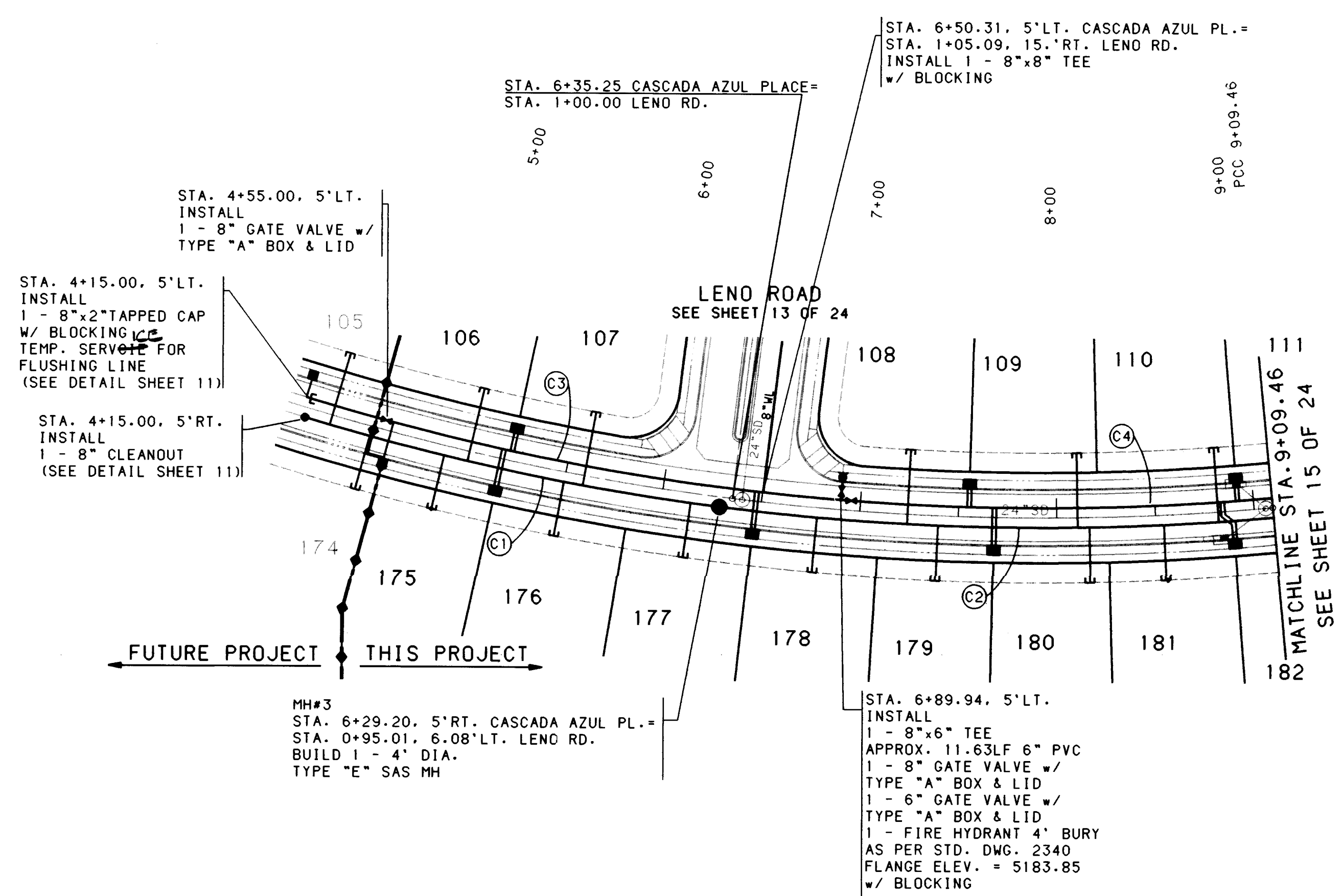
SCALE: 1" = 20' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 93217.44

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DATE: APRIL, 1995

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
26-4982.93 11497

SCANNED BY
BY LASON

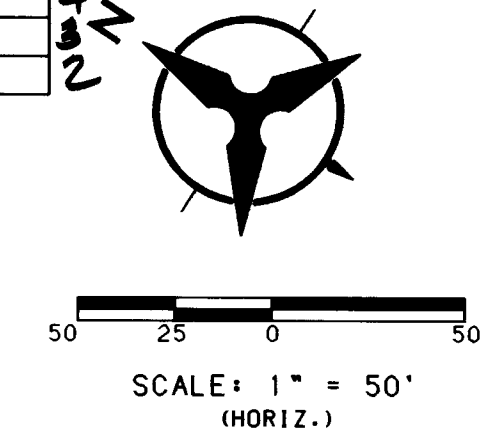


SAS CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	5+22.77	9°37'59"	107.77'	215.04'	1279.00'
C2	7+70.45	12°36'15"	141.25'	281.36'	1279.00'

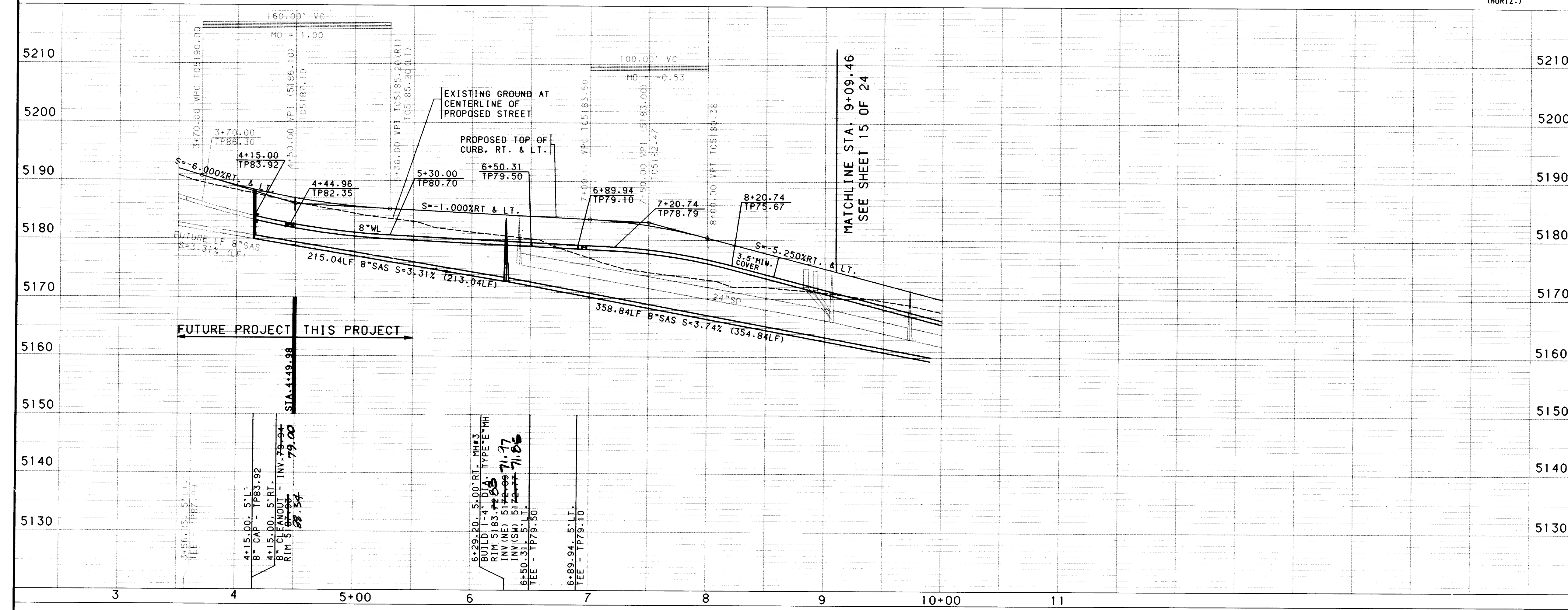
WATERLINE CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C3	5+32.53	10°34'57"	117.53'	234.39'	1269.00'
C4	7+79.82	11°39'17"	129.51'	258.13'	1269.00'

WATER & SANITARY SEWER SERVICES					
LOT NUMBER	STATION WL	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
105	FUTURE		4+27.96, 5' RT.	38.00'	82.08
106	5+20.94, 5.0' LT.	DOUBLE	4+99.82, 5' RT.	38.00'	79.59
107			5+59.50, 5' RT.	38.00'	77.60
108	7+55.34, 5.0' LT.	DOUBLE	7+24.16, 5' RT.	38.00'	77.22
109			8+10.58, 5' RT.	38.00'	74.07
110	8+91.87, 5.0' LT.	DOUBLE	8+81.60, 5' RT.	38.00'	70.71
111			9+44.06, 2.24' LT. MH	29.02'	65.91
174	4+58.64, 5.0' LT.	SINGLE	4+48.89, 5' RT.	28.00'	80.98
175			4+87.66, 5' RT.	28.00'	79.69
176	5+16.67, 5.0' LT.	DOUBLE	5+49.93, 5' RT.	28.00'	77.62
177			6+14.14, 5' RT.	28.00'	76.47
178	6+47.24, 5.0' LT.	DOUBLE	6+78.51, 5' RT.	28.00'	76.49
179			7+39.78, 5' RT.	28.00'	75.25
180	7+68.22, 5.0' LT.	DOUBLE	8+16.51, 5' RT.	28.00'	72.45
181			8+54.02, 5' RT.	28.00'	70.08
182	8+89.12, 5.0' LT.	DOUBLE	9+21.18, 4.41' RT.	29.02'	66.40

20443-11 IN 1000' 1 RISE LENGTH (FT.)



CASCADE AZUL PLACE



NOTES

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AS-BUILT INFORMATION

CONTRACTOR	INSPECTOR'S SIGNATURE	DATE
SEVEN BAR NORTH	ALB INC.	11/13/95

BENCH MARKS

BM NO. 205	CHISELED "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL. ELEV. 5110.55
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ENGINEER'S SEAL

NO. _____ DATE _____ BY _____

REMARKS _____

DESIGNED BY _____ PR _____ DATE 9/95

DRAWN BY _____ TSG .SV. BS _____ DATE 9/95

CHECKED BY _____ JRT _____ DATE 9/95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

SEVEN BAR NORTH - UNIT 5A
UTILITY PLAN & PROFILE
CASCADE AZUL PLACE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	NA	11-9-95	WATER	NA	11-9-95
TRANSPORTATION	NA	11-9-95	WASTE WATER	NA	11-9-95
HYDROLOGY	NA	11-9-95	NMUI	NA	11-9-95

DRAWING NO. 4982.93 MAP NO. A-13 SHEET 14 OF 24

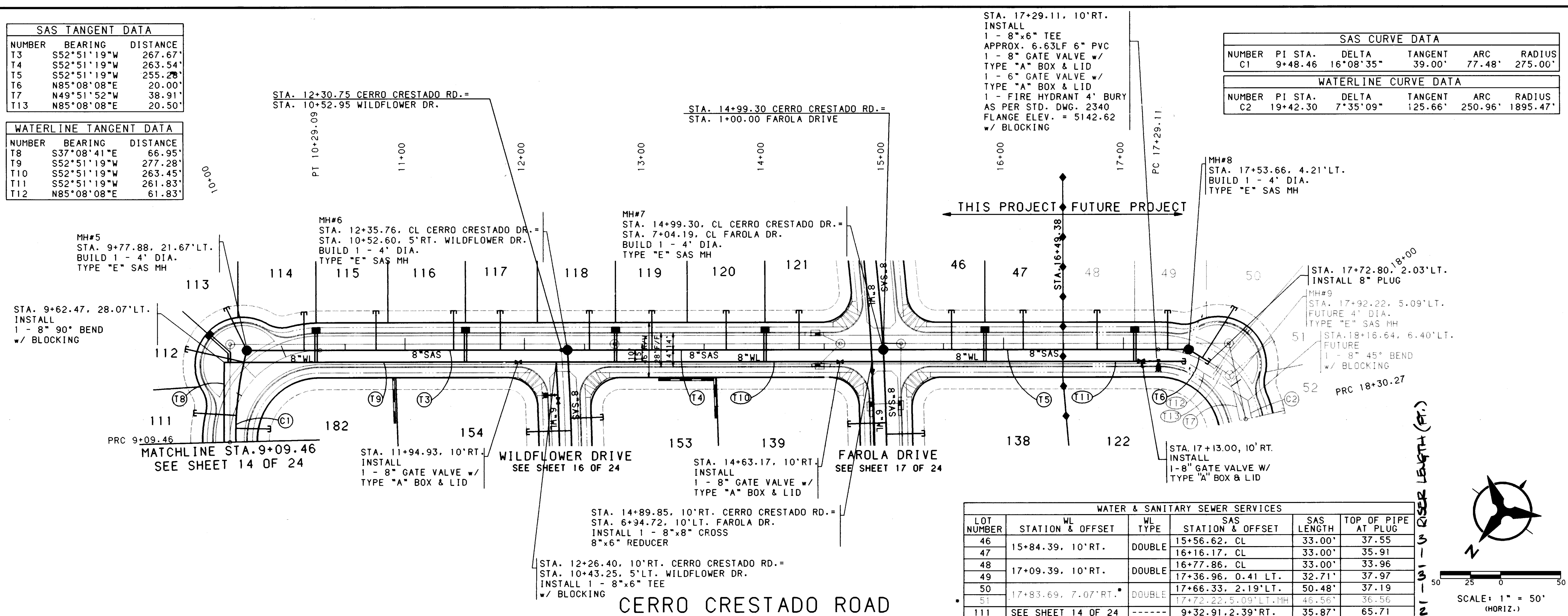
Copyright Bohannon-Huston, Inc. 1995
DATE: APRIL, 1995

SAS TANGENT DATA		
NUMBER	BEARING	DISTANCE
T3	S52°51'19"W	267.67'
T4	S52°51'19"W	263.54'
T5	S52°51'19"W	255.29'
T6	N85°08'08"E	20.00'
T7	N49°51'52"W	38.91'
T13	N85°08'08"E	20.50'

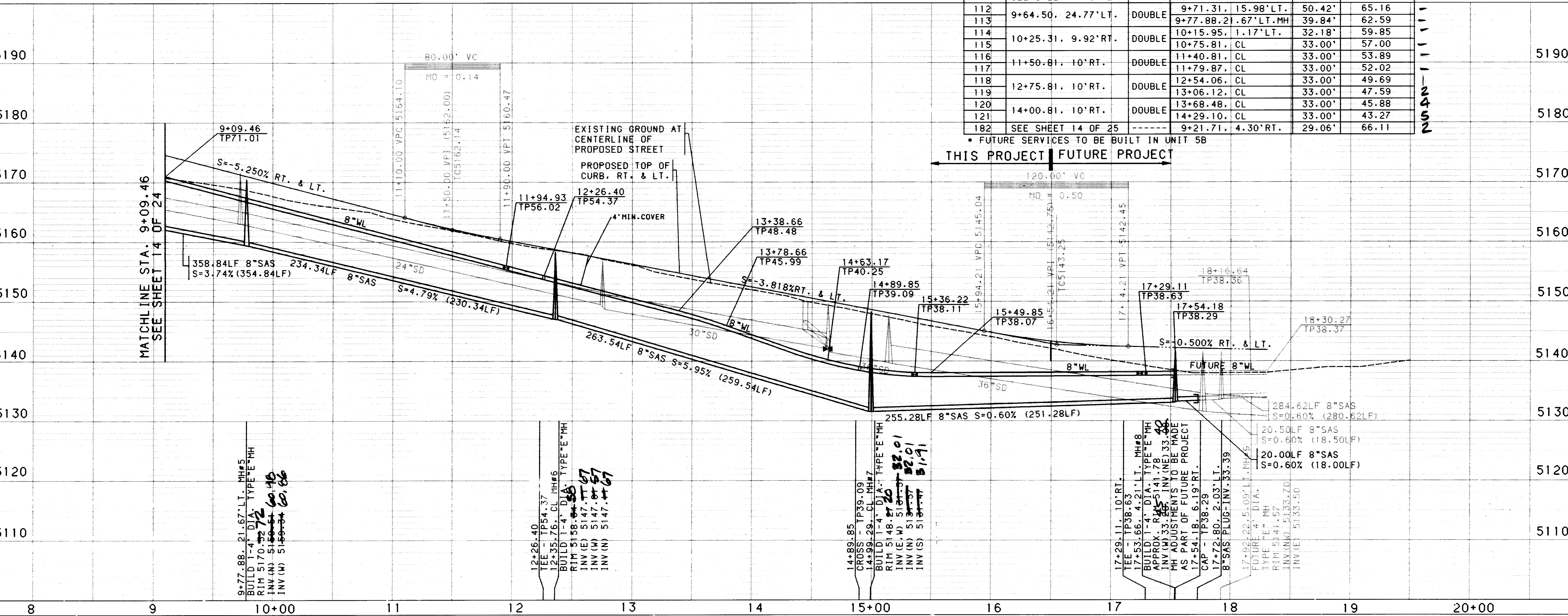
WATERLINE TANGENT DATA		
NUMBER	BEARING	DISTANCE
T8	S37°08'41"E	66.95'
T9	S52°51'19"W	277.28'
T10	S52°51'19"W	263.45'
T11	S52°51'19"W	261.83'
T12	N85°08'08"E	61.83'

SAS CURVE DATA				
NUMBER	PI STA.	DELTA	TANGENT	ARC RADIUS
C1	9+48.46	16°08'35"	39.00'	275.00'

WATERLINE CURVE DATA				
NUMBER	PI STA.	DELTA	TANGENT	ARC RADIUS
C2	19+42.30	7°35'09"	125.66'	1895.47'



WATER & SANITARY SEWER SERVICES					
LOT NUMBER	STATION & OFFSET	WL TYPE	SAS STATION & OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
46	15+84.39, 10' RT.	DOUBLE	15+56.62, CL	33.00'	37.55'
47			16+16.17, CL	33.00'	35.91'
48			16+77.86, CL	33.00'	33.96'
49	17+09.39, 10' RT.	DOUBLE	17+36.96, 0.41 LT.	32.71'	37.97'
50			17+66.33, 2.19 LT.	50.48'	37.19'
51	17+83.69, 7.07 RT.	DOUBLE	17+72.22, 5.09 LT. MH	48.56'	36.56'
111	SEE SHEET 14 OF 24	-----	9+32.91, 2.39 RT.	35.87'	65.71'
112			9+71.31, 15.98 LT.	50.42'	65.16'
113	9+64.50, 24.77 LT.	DOUBLE	9+77.88, 21.67 LT. MH	39.84'	62.59'
114			10+15.95, 1.17 LT.	32.18'	59.85'
115	10+25.31, 9.92 RT.	DOUBLE	10+75.81, CL	33.00'	57.00'
116			11+40.81, CL	33.00'	53.89'
117	11+50.81, 10' RT.	DOUBLE	11+79.87, CL	33.00'	52.02'
118			12+54.06, CL	33.00'	49.69'
119	12+75.81, 10' RT.	DOUBLE	13+06.12, CL	33.00'	47.59'
120			13+68.48, CL	33.00'	45.88'
121	14+00.81, 10' RT.	DOUBLE	14+29.10, CL	33.00'	43.27'
182	SEE SHEET 14 OF 25	-----	9+21.71, 4.30 RT.	29.06'	66.11'



NOTES

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AS-BUILT INFORMATION

CONTRACTOR: *Seven Bar North*
 DRAWN BY: *AS, INC.*
 CHECKED BY: *AS, INC.*
 DATE: *7/19/95*

ENGINEER'S SEAL SURVEY INFORMATION

NO. *205* BY *DATE*
 CHISEL "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL.
 ELEV. 5110.55

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING

SEVEN BAR NORTH - UNIT 5A
 UTILITY PLAN & PROFILE
 CERRO CRESTADO ROAD

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>AS, Inc.</i>	<i>11-9-95</i>	WATER	<i>AS, Inc.</i>	<i>11-9-95</i>
TRANSPORTATION	<i>AS, Inc.</i>	<i>9-13-95</i>	WASTE WATER	<i>AS, Inc.</i>	<i>9-13-95</i>
HYDROLOGY	<i>AS, Inc.</i>	<i>11-30-95</i>	NMUT	<i>AS, Inc.</i>	<i>7-13-95</i>

DRAWING NO. **4982.93** MAP NO. **A-13** SHEET **15** OF **24**

SCALE: 1" = 50' (HORIZ.)
 1" = 10' (VERT.)

BHI JOB NO. 93217.44

Copyright Bohannon-Houston, Inc. 1995
 DATE: APRIL, 1995

26-14982.93 1/6/97

SCANNED BY LASON

WATERLINE CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C4	3+30.11	14°23'10"	228.68'	454.96'	1812.00'
C5	6+31.19	4°34'08"	72.29'	144.49'	1812.00'
C6	7+68.49	4°03'52"	64.30'	128.54'	1812.00'

1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

3. ALL CURVE DATA AND DIMENSIONS
REFER TO FACE OF CURB UNLESS
OTHERWISE SPECIFIED.

5. CONTRACTOR IS TO INSTALL A 4"x4"x5' POST AND EMD AT THE END OF EACH SANITARY SEWER SERVICE.

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7. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.

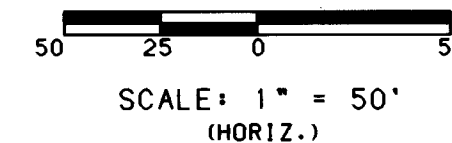
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12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.



SCALE: 1" = 50' (HORIZ.)

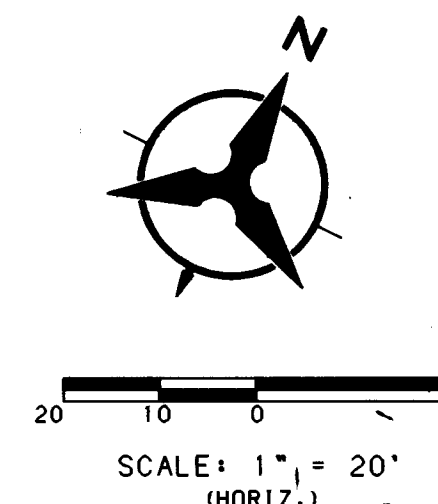
BHI JOB NO. 93217.44

SCANNED BY
BY LASON

SCANNED BY
BY LASON

CASCADA AZUL PLACE
SEE SHEET 20 OF 24

SEVEN BAR LOOP RD.
SEE SHEET 18 OF 24



SCALE: 1" = 20' (HORIZ.)
1" = 10' (VERT.)

ENGINEER'S SEAL

RECEIVED
1995
JAN 12 1995
JACK J. J. J.

NO.	DATE	REMARKS	BY
<i>REVISIONS</i>			
<i>DESIGN</i>			
DESIGNED BY	PR. DF	DATE	2/95
DRAWN BY	TSG	DATE	2/95
CHECKED BY	DT	DATE	2/95



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING



SEVEN BAR NORTH - UNIT 5A
STORM DRAIN PLAN & PROFILE
LENO ROAD

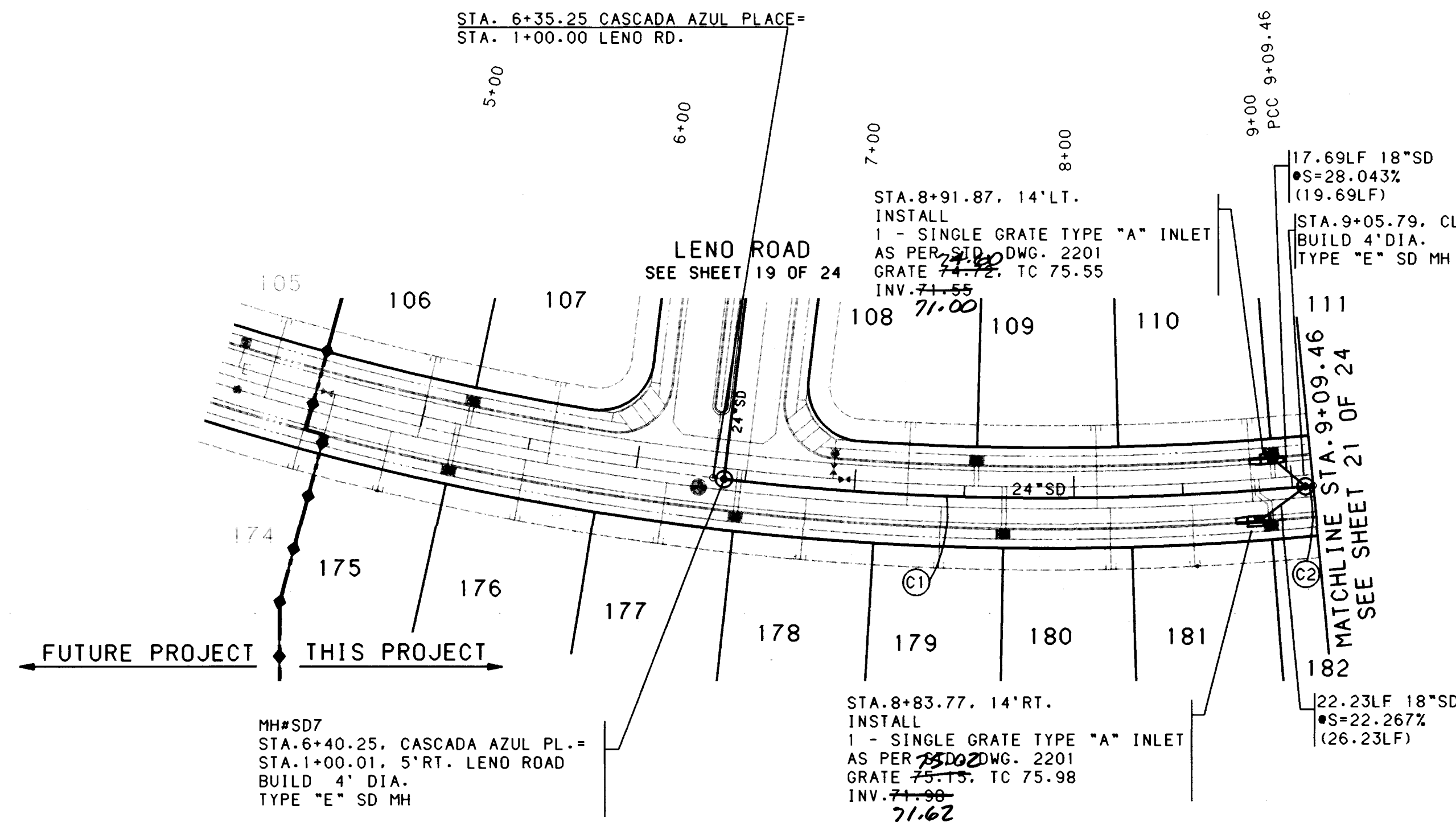
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>R. G. Gandy</i>	11-9-95	WATER	<i>N/A</i>	6/8/95
TRANSPORTATION	<i>W. CHO</i>	9/13/95	WASTE WATER	<i>N/A</i>	6/8/95
HYDROLOGY	<i>JPC</i>	10-31-95			

DRAWING NO.	4892.93	MAP NO.	A-13	SHEET 19 OF 24
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DATE: APRIL, 1995

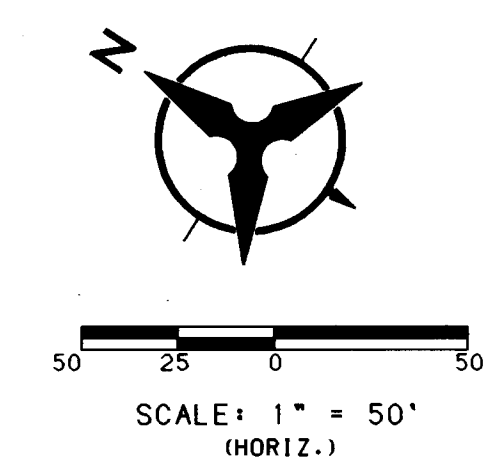
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	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4

SCANNED BY
BY LASON

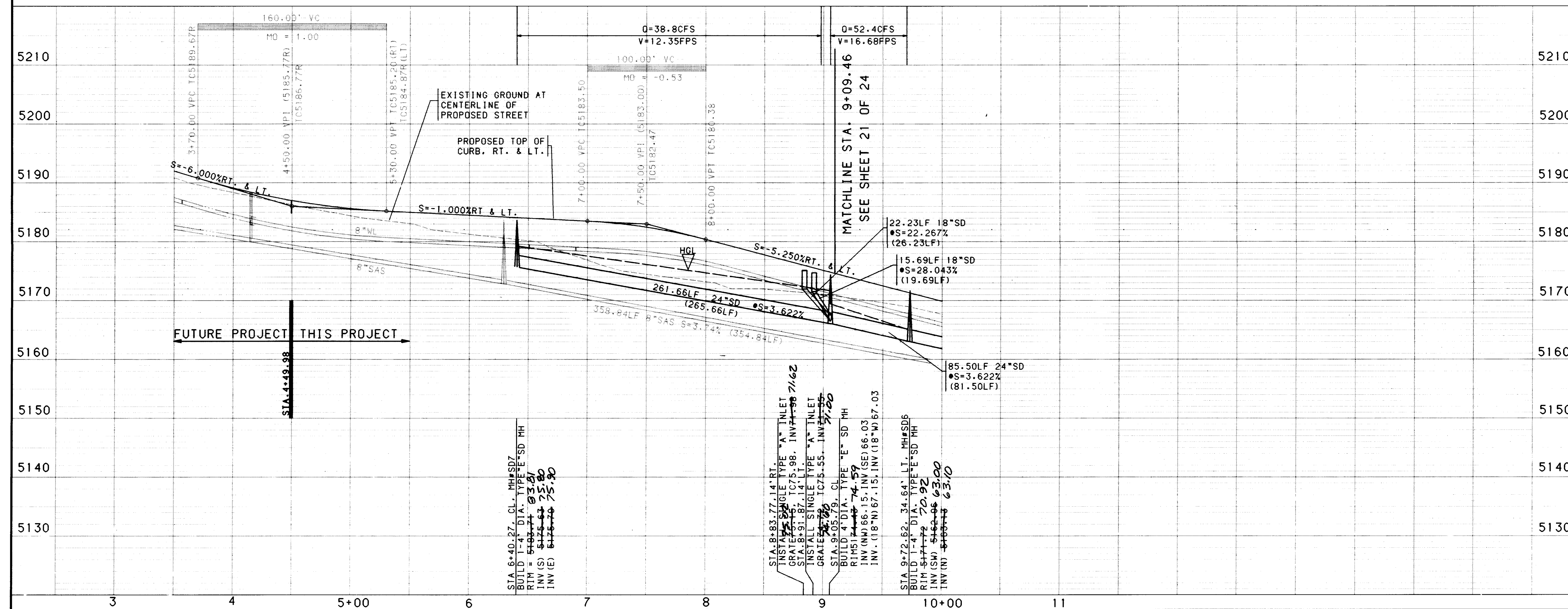


STORM DRAIN CURVE DATA					
NUMBER	PI STA.	DELTA	TANGENT	ARC	RADIUS
C1	7+73.56	11°56'52"	133.31'	265.66'	1274.00'
C2	9+07.68	00°09'34"	1.77'	3.55'	1274.00'

- NOTES**
1. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
 2. ALL CURB RETURN RADII 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 EMD 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 (SAMCUT ONLY).
 12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.



CASCADA AZUL PLACE



ENGINEER'S SEAL

Jan 10/95

NO.	DATE	BY	REMARKS
			DESIGN
DESIGNED BY	DATE	PR	2/95
DRAWN BY	DATE	TSG, SV, BS	2/95
CHECKED BY	DATE	JRT	2/95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

SEVEN BAR NORTH - UNIT 5A
STORM DRAIN PLAN & PROFILE
CASCADA AZUL PLACE

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	11-9-95	WATER	<i>[Signature]</i>	11-9-95
TRANSPORTATION	<i>[Signature]</i>	9/3/95	WASTE WATER	<i>[Signature]</i>	11-9-95
HYDROLOGY	<i>[Signature]</i>	10-31-95			

DRAWING NO. **4982.93** MAP NO. **A-13** SHEET **20** OF **24**

SCALE: 1" = 50' (HORIZ.)
1" = 10' (VERT.)

BHI JOB NO. 93217-44

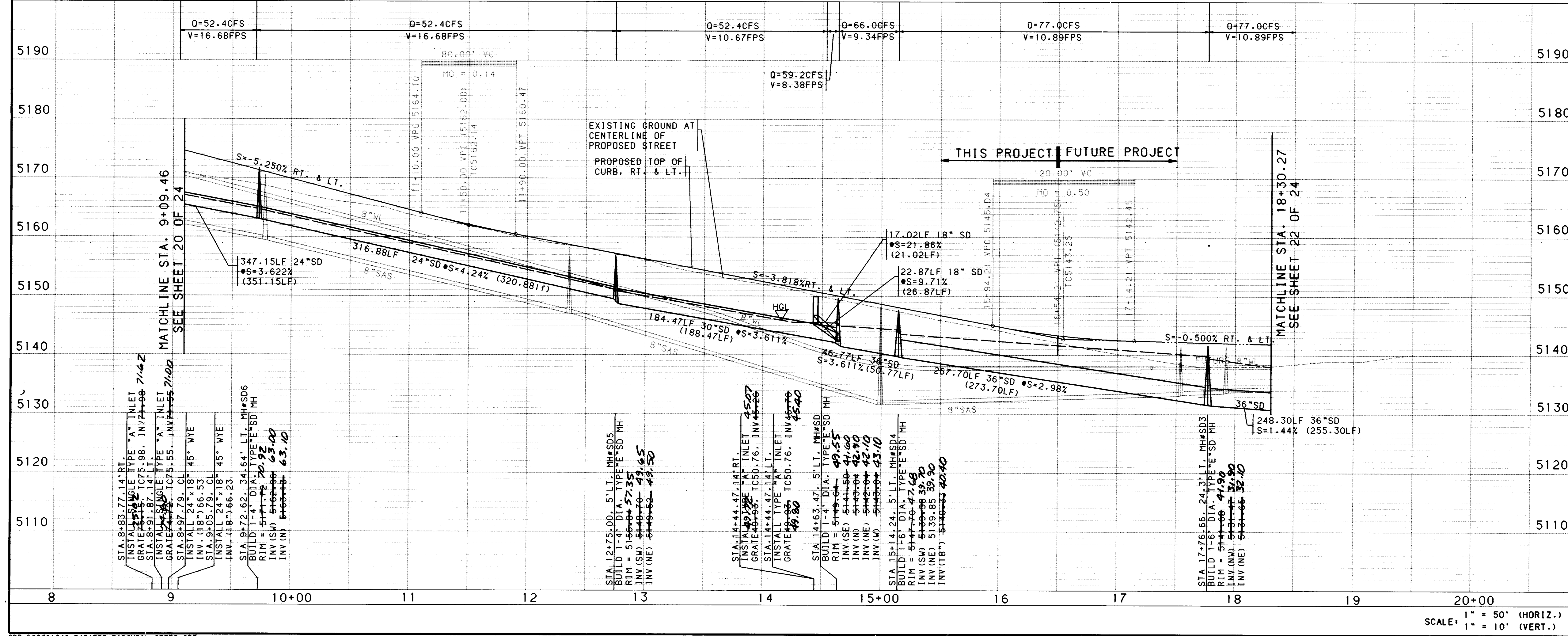
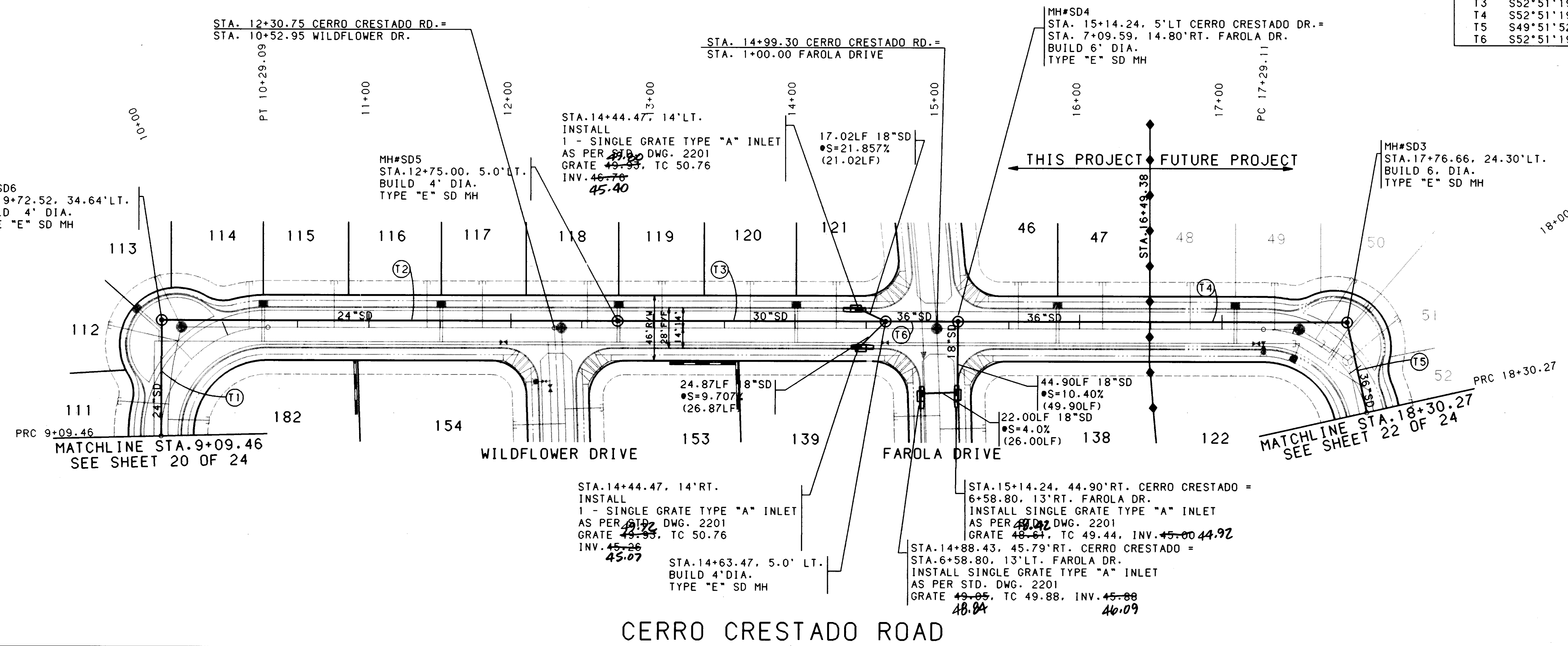
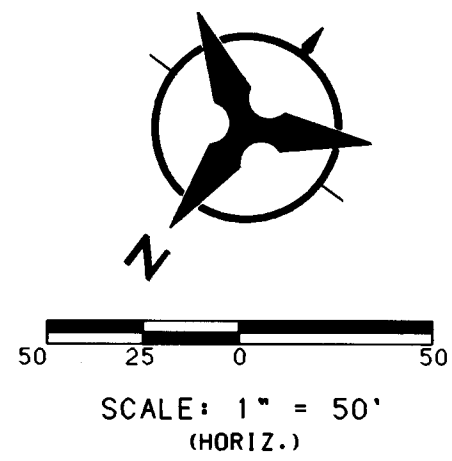
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DATE: APRIL, 1995

26-4982.93-21-97

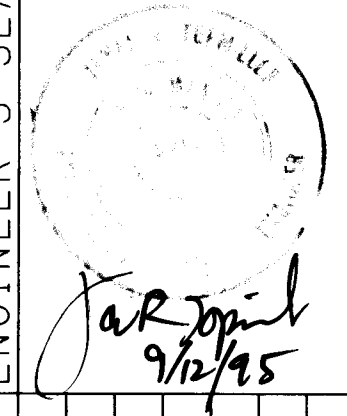
SCANNED BY
BY LASON

NUMBER	BEARING	DISTANCE
T1	S37°08'41"E	81.95'
T2	NS2°51'19"E	320.88'
T3	SS2°51'19"W	188.47'
T4	SS2°51'19"W	273.70'
T5	S49°51'52"E	65.08'
T6	SS2°51'19"W	50.77'

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 12. WHEEL CHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.



AS-BUILT INFORMATION		BENCH MARKS		ENGINEER'S SEAL		SURVEY INFORMATION		FIELD NOTES	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
INSPECTOR'S	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
STAMPED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
FIELD BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
VERIFICATION BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
CORRECTED BY	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE
MICRO-FILM INFORMATION	DATE	NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE



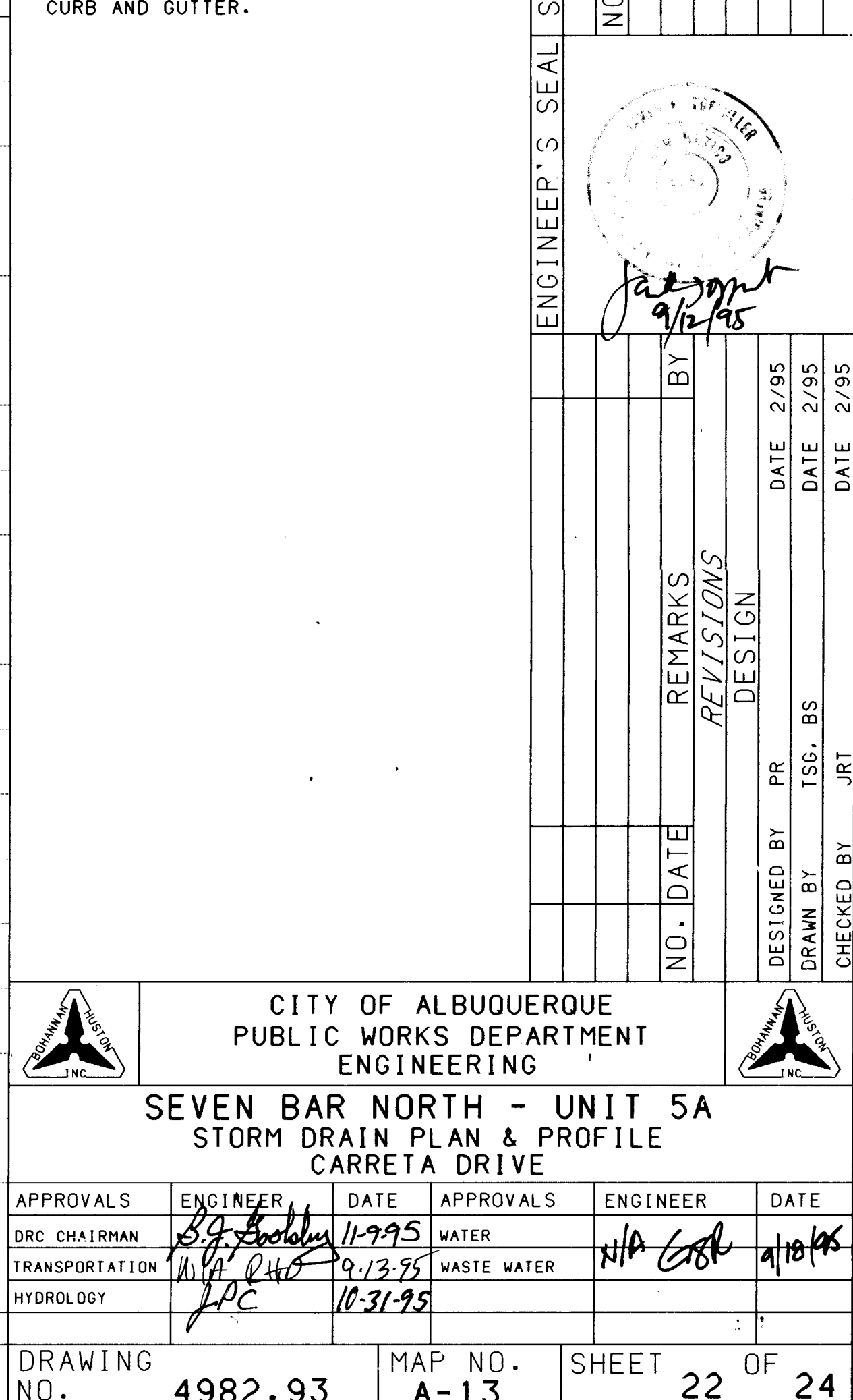
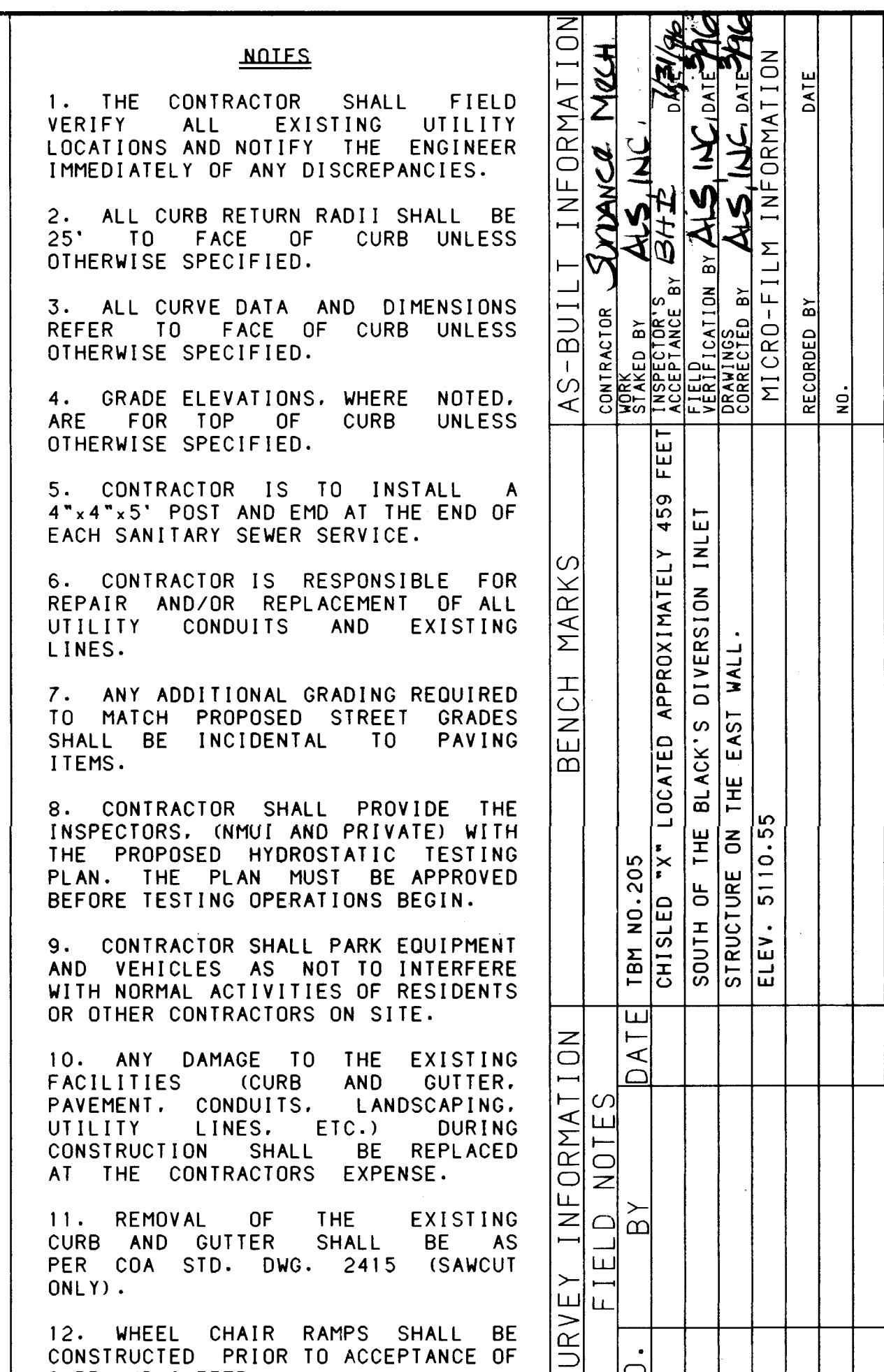
NO.	DATE	REMARKS
1	9/2/95	DESIGN
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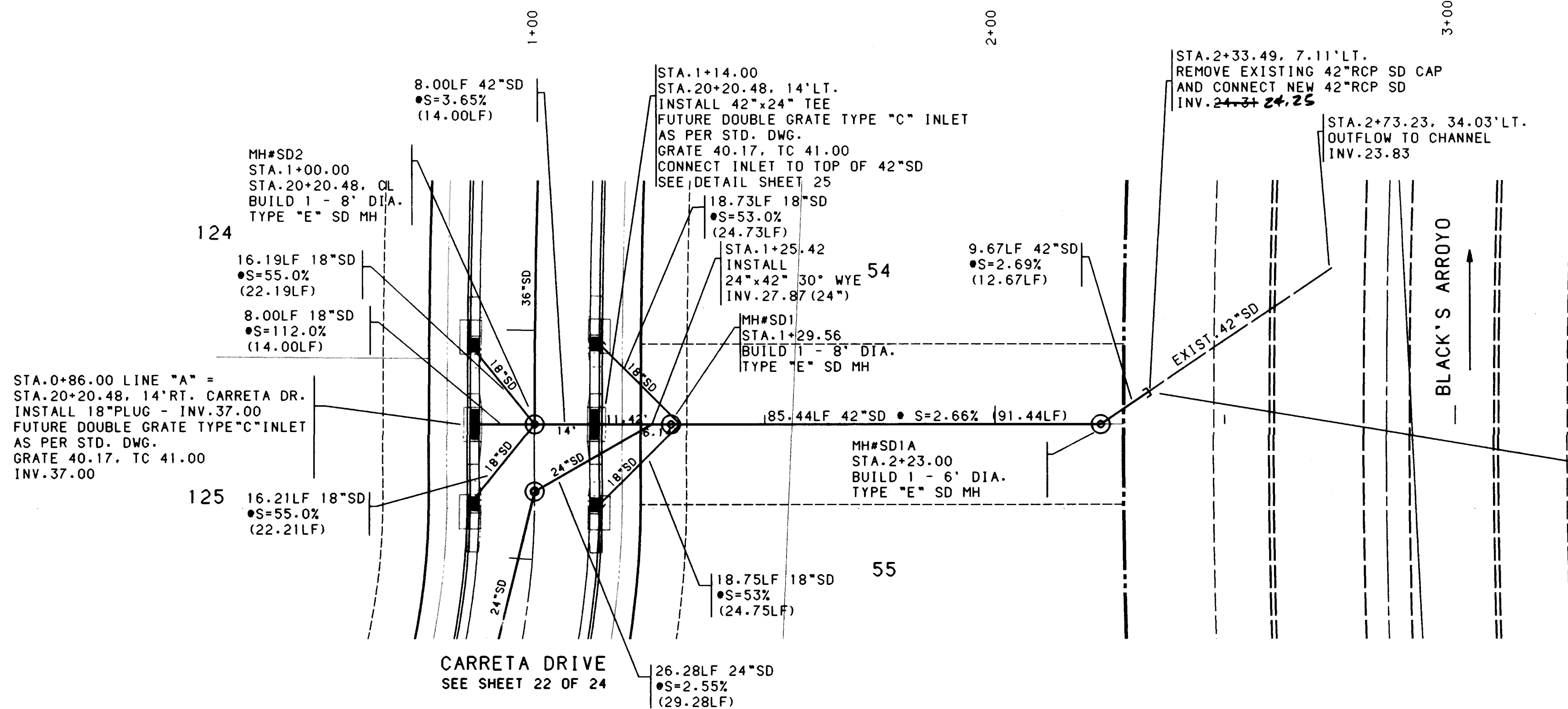
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING

SEVEN BAR NORTH - UNIT 5A
STORM DRAIN PLAN & PROFILE
CERRO CRESTADO ROAD

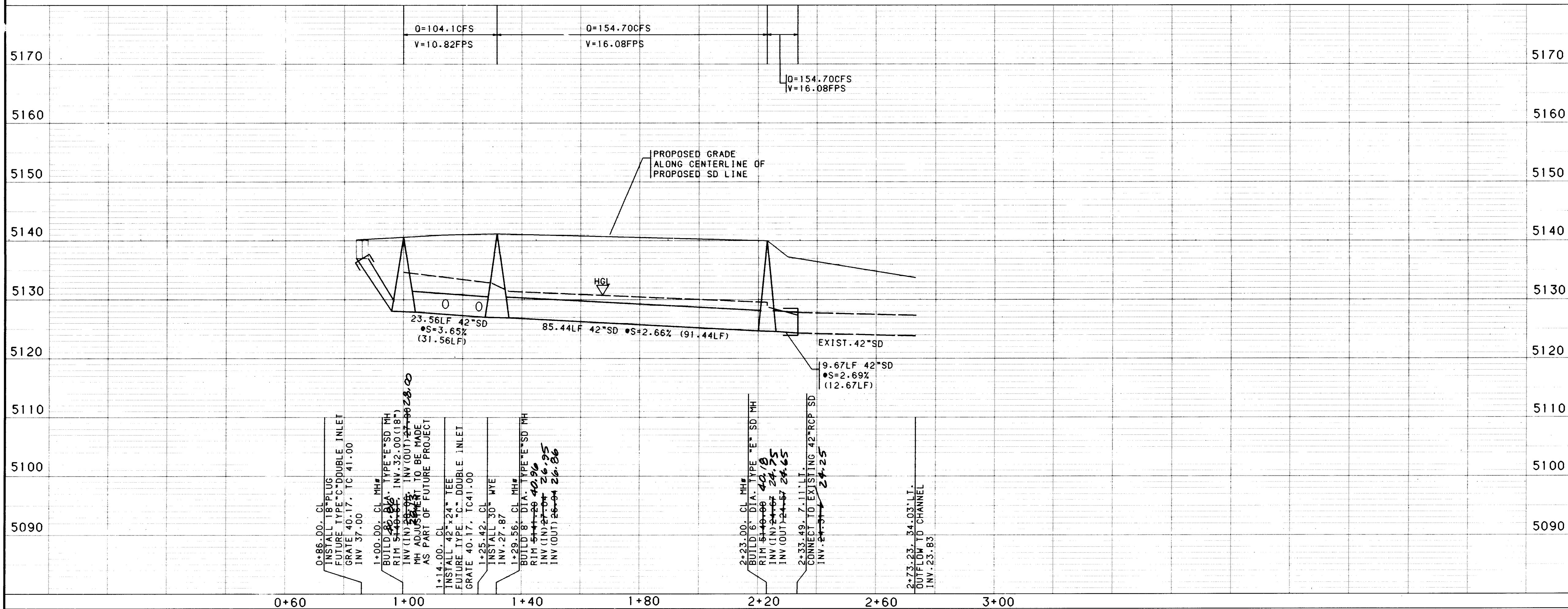
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	8/2/95	11/9/95	WATER		
TRANSPORTATION	8/2/95	9/3/95	WASTE WATER		
HYDROLOGY	8/2/95	10/3/95			

DRAWING NO. 4982.93 MAP NO. A-13 SHEET 21 OF 24

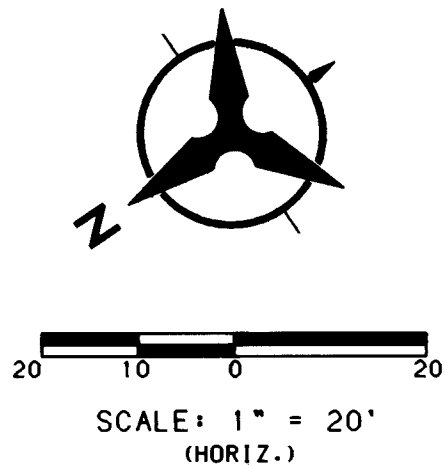




LINE "A"



NOTE: CONTRACTOR SHALL FIELD VERIFY LOCATION AND INVERT OF EXISTING 42" SD LINE AND NOTIFY ENGINEER OF ANY DISCREPANCY PRIOR TO CONSTRUCTION OF STORM DRAIN SHOWN OF THIS SHEET.



NOTES

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AS-BUILT INFORMATION

CONTRACTOR	SYNAGE MACH.
STAKED BY	ALS INC.
ACCEPTANCE BY	BHI
FIELD LOCATION BY	ALS INC.
CORRECTED BY	ALS INC.
MICRO-FILM INFORMATION	
RECORDED BY	
NO.	

BENCH MARKS

TBM NO. 205	CHISEL "X" LOCATED APPROXIMATELY 459 FEET SOUTH OF THE BLACK'S DIVERSION INLET STRUCTURE ON THE EAST WALL. ELEV. 5110.85
-------------	--

SURVEY INFORMATION

NO.	DATE	BY

ENGINEER'S SEAL

John Miller
9/2/95

**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING**

**SEVEN BAR NORTH - UNIT 5A
STORM DRAIN PLAN & PROFILE
LINE "A"**

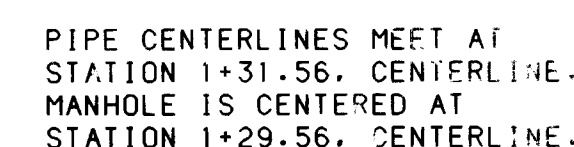
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>B. J. Smith</i>	11/9/95	WATER	<i>WA 608</i>	11/9/95
TRANSPORTATION	<i>W. B. RHO</i>	9/13/95	WASTE WATER		
HYDROLOGY	<i>JPC</i>	10/31/95			

DRAWING NO. 4982.93 MAP NO. A-13 SHEET 23 OF 24

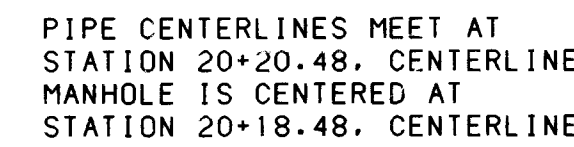
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DATE: APRIL, 1995

26-4982.93 2497

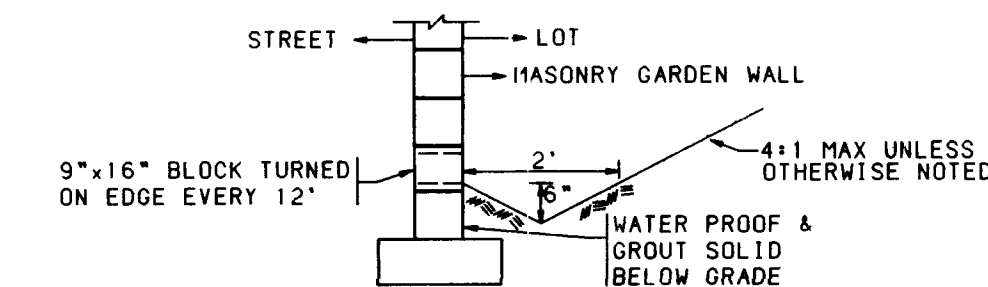
SCANNED BY LASON



STA 1+29.56, CENTERLINE - "LINE A"
MH #SD1

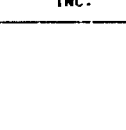
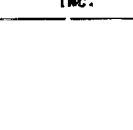


STA 20+18.48,CENTERLINE - CARRETA DRIVE
MH #SD2



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".

		CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING					
SEVEN BAR NORTH - UNIT 5A MISC. DETAILS							
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE		
DRC CHAIRMAN	<i>RAA</i>	<i>11-9-95</i>	WATER	<i>RAA</i>	<i>11-9-95</i>		
TRANSPORTATION	<i>RAA</i>	<i>9-13-95</i>	WASTE WATER	<i>RAA</i>	<i>9-13-95</i>		
HYDROLOGY	<i>JRC</i>	<i>10-31-95</i>					
DRAWING NO.		MAP NO.		SHEET		OF	
4982.93		A-13		24		24	