

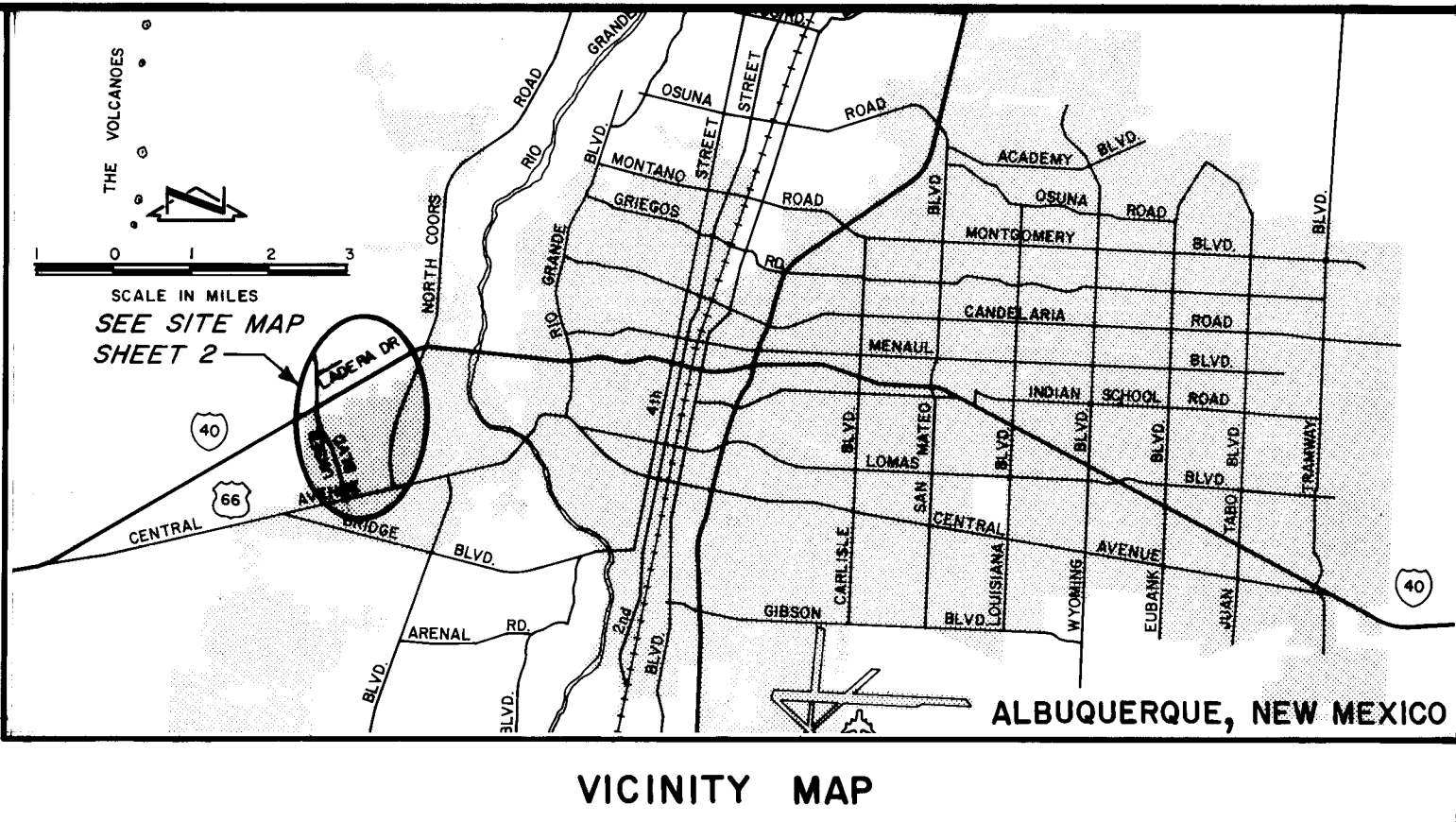
CITY OF ALBUQUERQUE, NEW MEXICO

MUNICIPAL DEVELOPMENT DEPARTMENT

SPECIAL ASSESSMENT DISTRICT NO. 214

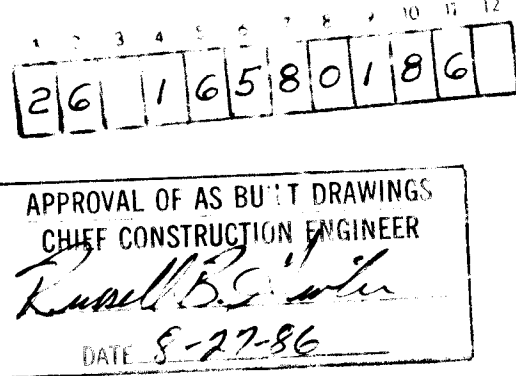
UNSER BOULEVARD

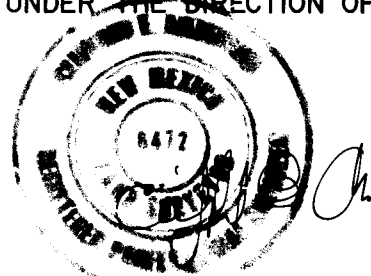
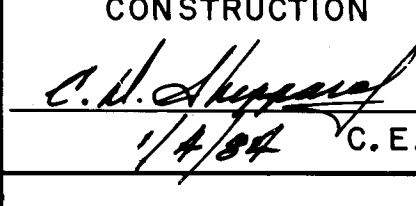
FROM CENTRAL AVENUE TO LADERA DRIVE N.W.

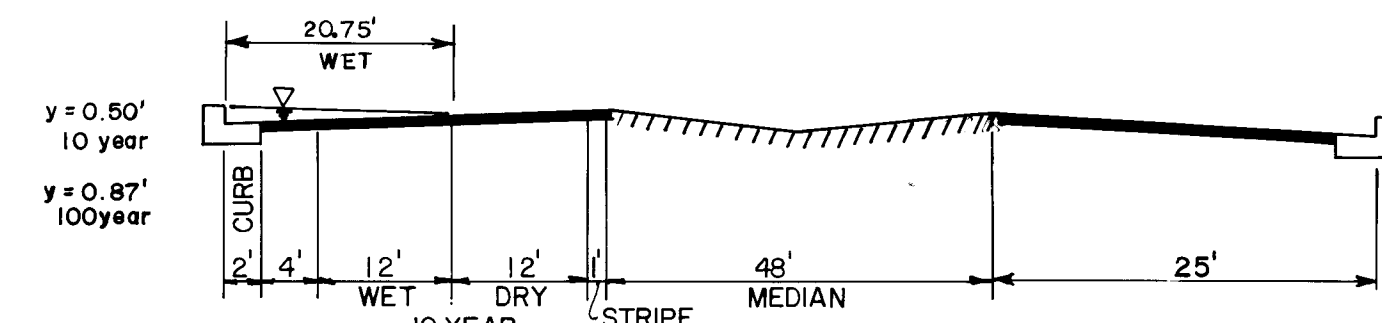
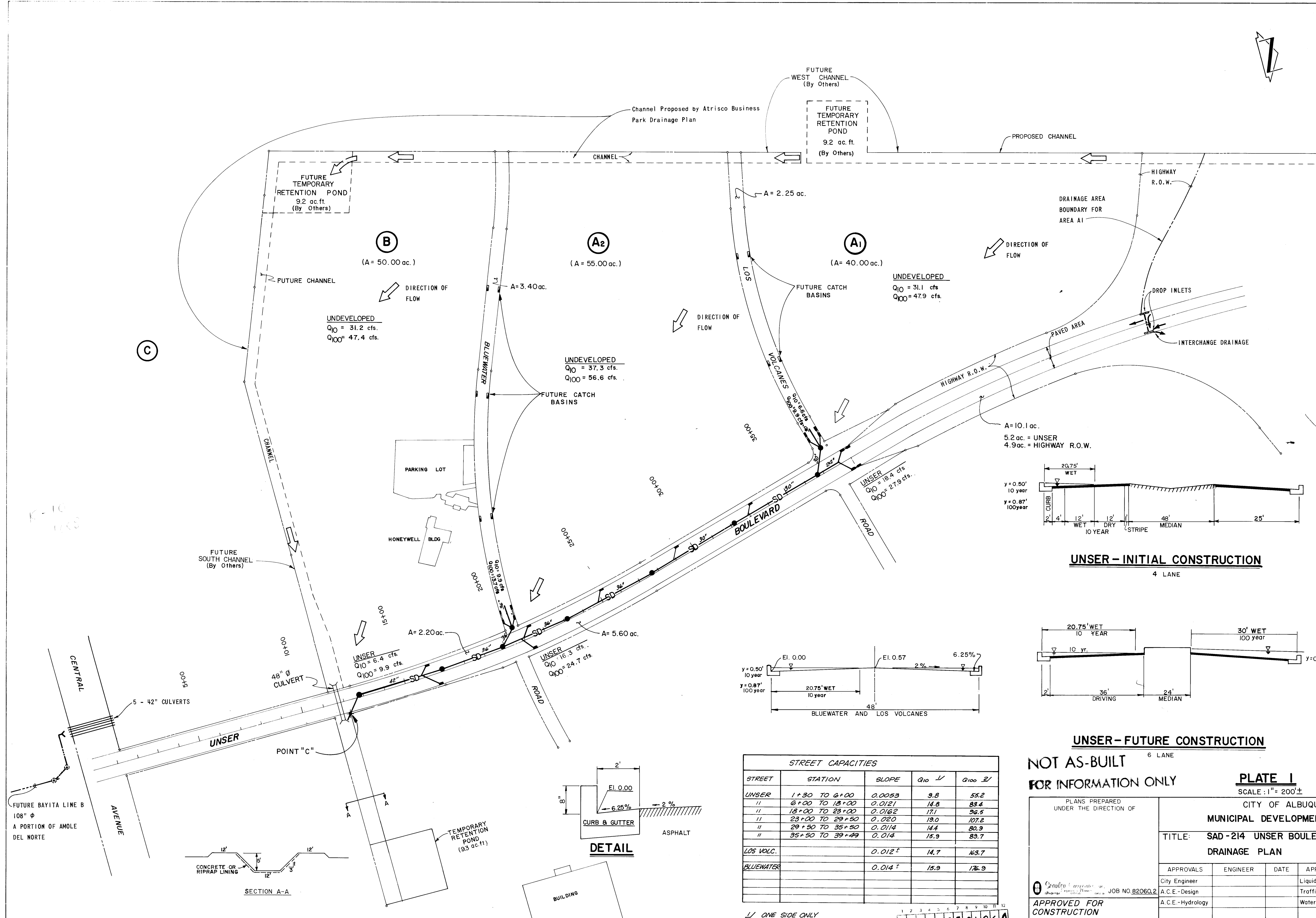


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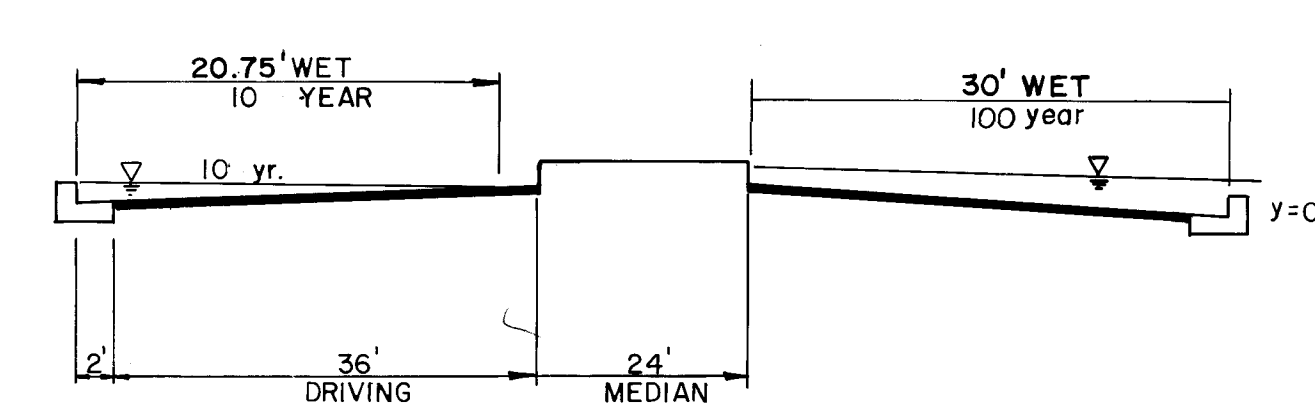
SHEET NO.	DESCRIPTION
1	Cover Sheet
2	Legend, Site Map
3	Typical Sections and General Notes
4 - 7	Paving - Sta. 0+00 to Sta. 39+49.35
8	Paving - Sta. 78+50 to Sta. 87+62.21
9 - 12	Water & Sewer - Sta. 0+00 to Sta. 39+49.35
13 - 15	Storm Drain - Sta. 11+50 to Sta. 39+49.35
16	Channel & Temporary Retention Pond
17 - 18	Temporary Retention Pond Details
19	1'x3' Concrete Box Culvert
20	Traffic Control Plan
21	Traffic Control Notes
22	Pullbox Locations & Island Wheel Chair Ramp Details
23	Paving Details - Bluewater/Unser



REV	SHEETS	CITY	ENGR.	DATE	USER	DEPT.	DATE	USER	DEPT.	DATE
APPROVAL OF REVISIONS										
PLANS PREPARED UNDER THE DIRECTION OF 						SCANLON & ASSOCIATES		APPROVED FOR CONSTRUCTION  J.C.E.		
RECORD DRAWING						DRAWING NO. 1658		SHEET 1 OF 23		



USNER - INITIAL CONSTRUCTION
4 LANE



USNER - FUTURE CONSTRUCTION
6 LANE

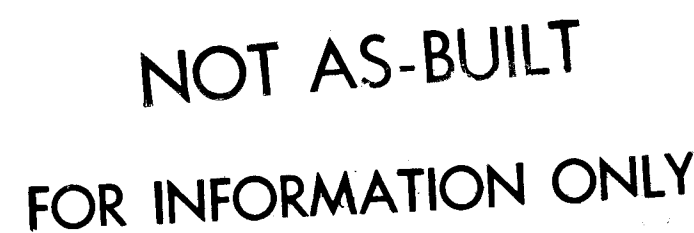
STREET CAPACITIES				
STREET	STATION	SLOPE	Q ₁₀ 1/	Q ₁₀₀ 2/
USNER	1+30 TO 6+00	0.0053	9.8	55.2
"	6+00 TO 13+00	0.0121	14.8	83.4
"	13+00 TO 23+00	0.0162	17.1	96.5
"	23+00 TO 29+50	0.020	19.0	107.2
"	29+50 TO 35+50	0.0114	14.4	80.9
"	35+50 TO 39+49	0.014	15.9	85.7
LOS VOLC.		0.0125	14.7	163.7
BLUEWATER		0.0145	15.9	176.9

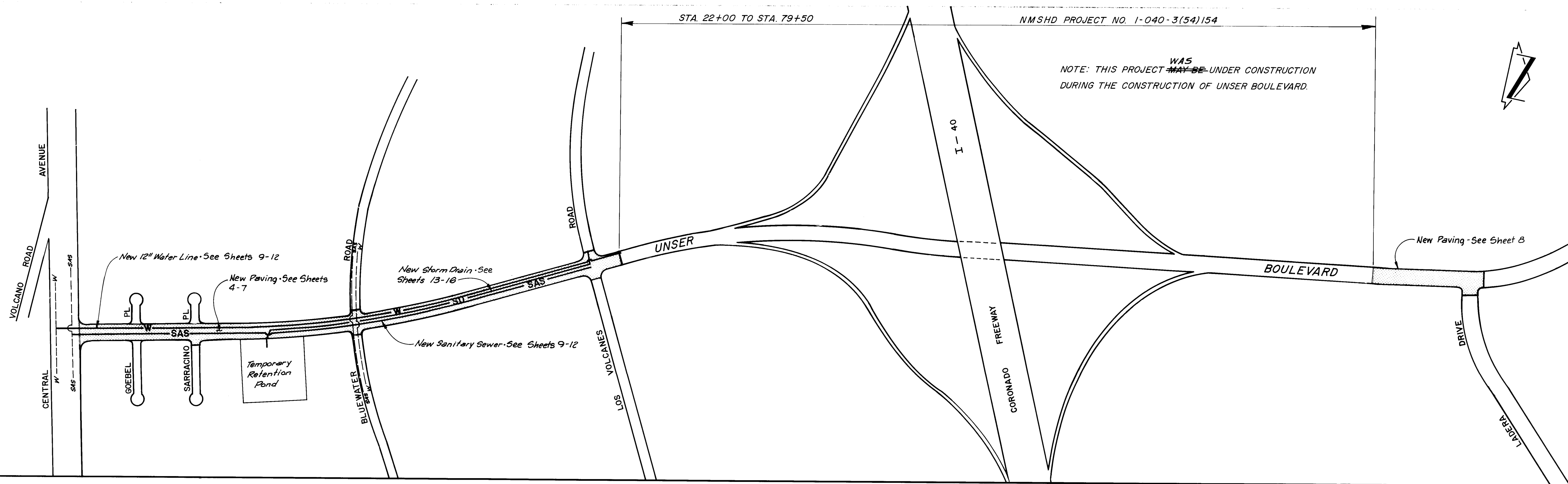
1/ ONE SIDE ONLY
26 16580186A

NOT AS-BUILT
FOR INFORMATION ONLY

PLATE 1
SCALE: 1" = 200'

PLANS PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT			
APPROVED FOR CONSTRUCTION		TITLE: SAD-214 USNER BOULEVARD DRAINAGE PLAN			
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		
DRAWING NO.			SHEET 1 OF 2		



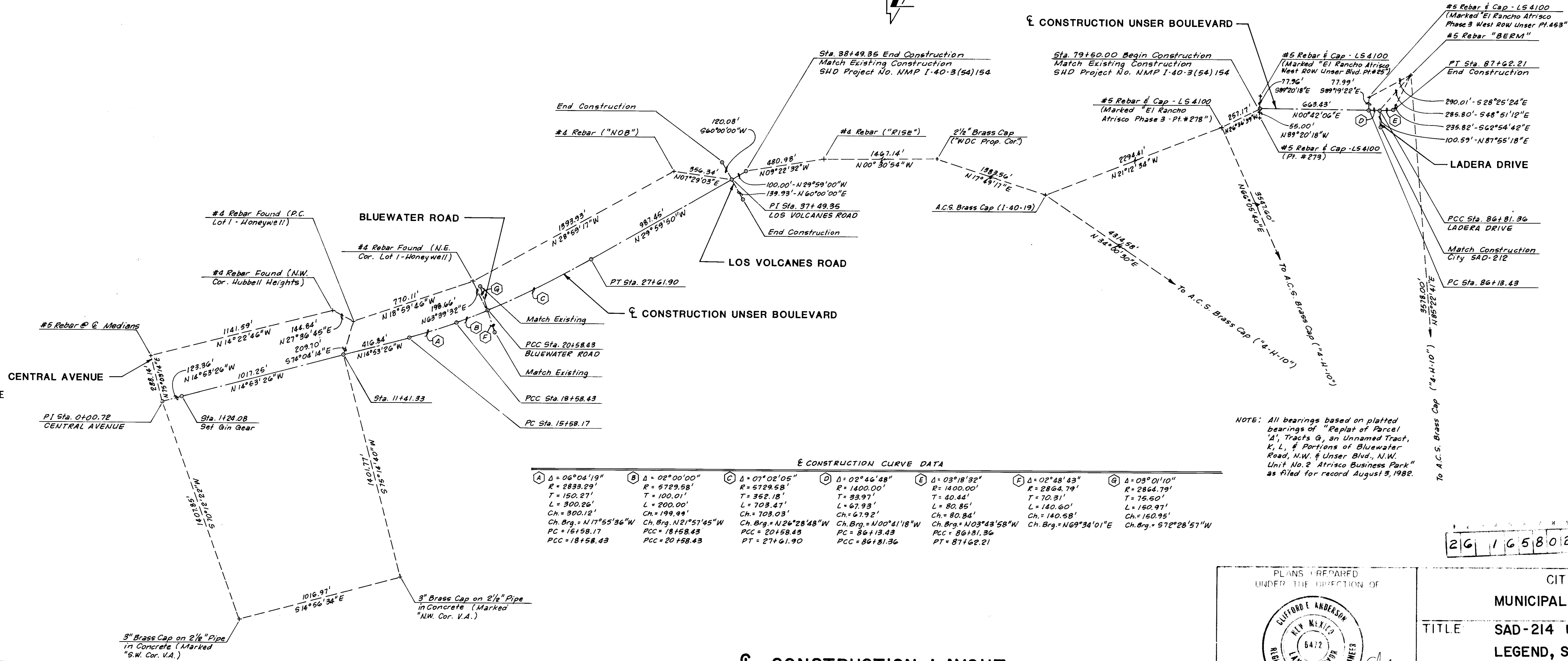


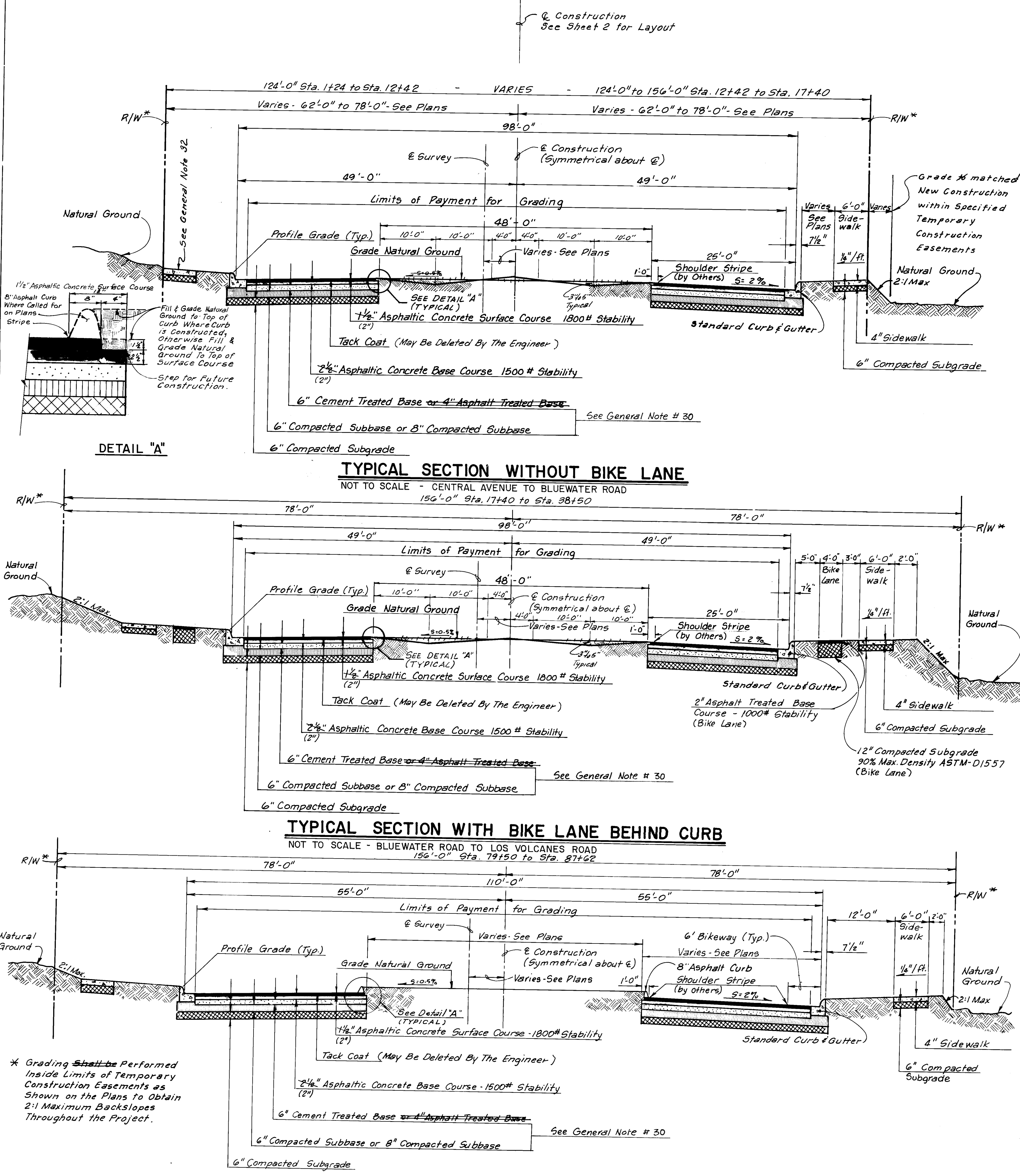
LEGEND

- C — NEW TRAFFIC SIGNAL CONDUIT
- W — NEW SIGNAL FOUNDATION MASTARM (MA) OR PEDESTAL (SP)
- G — EXISTING CURB AND GUTTER
- S — NEW CURB AND GUTTER
- M — NEW ASPHALT MEDIAN CURB
- S — NEW SIDEWALK
- R — NEW WHEEL CHAIR RAMP
- S — SURVEY AND CONSTRUCTION
- R — RIGHT-OF-WAY LINE
- S — EXISTING SIGN
- F — EXISTING FENCE
- L — NEW PAVING LIMITS
- P — CONTROL POINT, P.I.
- Y — EXISTING FIRE HYDRANT
- B — EXISTING TELEPHONE BOX
- V — EXISTING WATER VALVE
- M — EXISTING WATER METER
- P — EXISTING POWER POLE
- S — EXISTING SANITARY SEWER LINE
- G — EXISTING GAS LINE
- W — EXISTING WATER LINE
- P — EXISTING POWER LINE
- C — EXISTING CULVERT
- S — NEW SANITARY SEWER LINE
- W — NEW WATER LINE
- SD — NEW STORM DRAIN LINE
- S — NEW SANITARY SEWER MANHOLE
- S — NEW STORM DRAIN MANHOLE
- S — EXISTING WATER LINE MANHOLE
- S — EXISTING STORM DRAIN MANHOLE
- S — EXISTING SANITARY SEWER LINE MANHOLE
- S — NEW DROP INLET
- S — NEW SPOT ELEVATION
- S — NEW DRIVEPAD

SITE MAP

SCALE: 1" = 400'





GENERAL NOTES

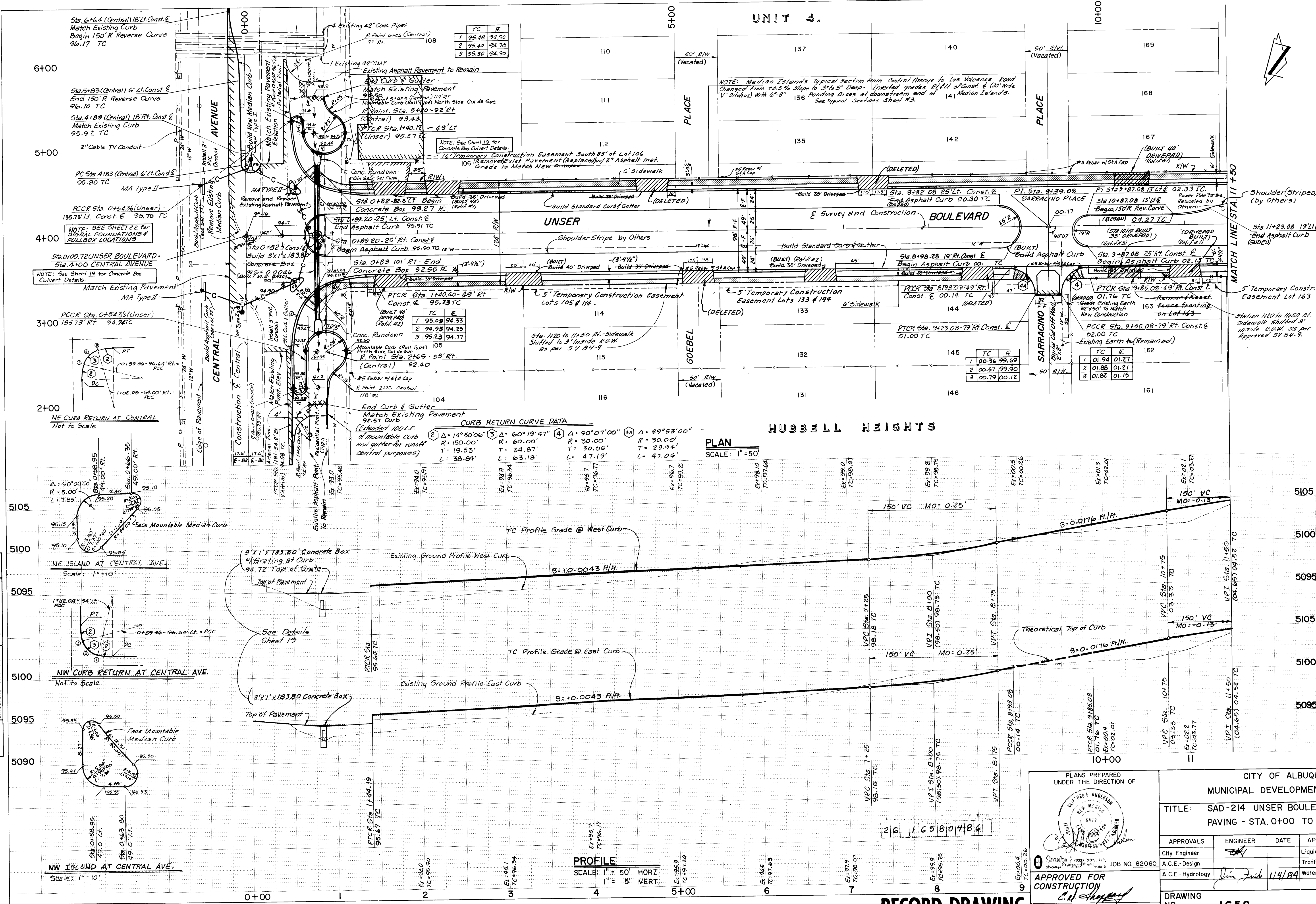
- 1. New Mexico Standard Specifications for Public Works Construction 1979 Edition, and any revisions and additions in the Supplemental Specifications in the Contract Documents, shall govern the construction of this project.
- 2. The Contractor shall notify all utility companies when working near their systems. Two days prior to any excavation, Contractor must contact Line Locating Service, 765-1234, for location of existing utilities.
- 3. 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 so that the conflict can be resolved with minimum amount of delay.
- 4. All existing utilities shown here were taken as accurately as possible from record drawings and surface indications. It shall be the Contractor's responsibility to protect, maintain in service, and verify exact locations of all affected utilities during construction of this project.
- 5. All utilities which are to be abandoned under this contract shall be plugged with concrete at each end of the portion to be abandoned. The cost of this work shall be considered incidental to other items of work.
- 6. Curb return radii and street widths are to the face of the curb unless otherwise indicated in the plans.
- 7. Where removal of existing curb and gutter or sidewalk is required, removal shall be to the nearest joint or saw cut.
- 8. When matching new paving to existing pavement, the Contractor shall saw cut the existing paving on a right angle, or as directed by the Engineer to remove any broken, raveled, or cracked paving. The cost of this work shall be considered incidental to other items of work.
- 9. Curb and gutter shown as existing and not to be removed under this contract which is damaged or displaced by the Contractor or his sub-contractors, shall be replaced by the Contractor at his expense.
- 10. Existing materials to be removed and paid for on a unit basis shall be measured and the quantities approved by the Engineer before removal.
- 11. Connection of new sewer lines to existing manholes and plugging of existing lines in manholes shall be incidental to other items of work.
- 12. New water lines shall have a minimum cover of 36" unless otherwise called out in the plans.
- 13. The Contractor shall remove all valve boxes from abandoned water lines and return them to the City Yards. The cost of this work shall be considered incidental to other items of work.
- 14. All abandoned valves and meter box frames and covers shall be returned to the City Water Division warehouse and all storm and sanitary manhole lids and inlet grates, castings, and frames not reused, shall be returned to the Liquid Waste Division warehouse.
- 15. The maximum allowable quantities for payment for replacement of pavement where water, sanitary sewer, and storm sewer are to be installed under existing pavement shall be computed in accordance with section 550.05 of the Supplemental Technical Specifications and Standard Details.
- 16. The Contractor shall expose existing water lines at locations where new sanitary sewer lines cross or parallel such lines in order to adequately establish the proximity of water and sewer lines. The cost of this work shall be incidental to other items of work.
- 17. All water meters, water valve boxes, and sewer manholes in the construction area where street grades change are to be adjusted by the Contractor to finished grade under this contract. The Contractor shall be required to set reference points for locating manholes prior to any grading operation. Measurement and payment for this work shall be included in unit price bid for appropriate items.
- 18. Concrete curb return fillets including curb shall be measured and paid for by the square foot at the unit price bid for concrete valley gutter.
- 19. The Contractor will be responsible to replace at his expense any and all property corners destroyed in the process of construction. All property corners must be set by a Registered Land Surveyor. Records of any such surveys shall be given to the Engineer.
- 20. The Contractor will be required to confine his work within the construction limits and/or right-of-way to preserve existing vegetation and private property.
- 21. Mailboxes within new construction shall be relocated to right-of-way line by the Contractor. The Contractor shall coordinate relocation of mailboxes with property owner or resident. The cost of this work shall be considered incidental to other items of work.
- 22. Utility relocations and new utility installation schedules shall be coordinated at the pre-construction conference.
- 23. Utility relocations and new utility installations required by the construction of this project are to be coordinated by the Contractor during construction. No additional compensation will be allowed for delays or inconveniences caused by utility company work crews. The Contractor may be required to reschedule his activities to allow utility crews to perform their required work.
- 24. Contractor will be responsible for the proper location of driveway sections. Property owners shall be notified that a curb cut permit from City Traffic Engineering is required in order to establish any driveways onto Unser Blvd. Any permit issues will be forwarded by Traffic Engineering to the Engineer. No driveways will be installed without the written approval of the Traffic Division. Approved driveways shall be shown on the "As Constructed" drawings.
- 25. Access to local business and residences shall be kept open at all times. Temporary access closures, if required, must be scheduled at least twenty four (24) hours in advance with property owners and approved by the Engineer.
- 26. A disposal site for all excess excavation material, asphaltic paving, concrete paving, etc. shall be obtained by the Contractor in compliance with applicable regulations and approval of the Engineer. All cost incurred in obtaining a disposal site and haul thereto shall be considered incidental. Suitable material may be disposed of as stipulated in Section 212 of the Supplemental Technical Specifications.
- 27. Fifty ton roller operation shall not be used on this project where underground utilities are present. The required compaction of these locations shall be effected by other types of approved compaction methods.
- 28. All work on this project shall be performed in accordance with applicable Federal, State, and local laws, rules, and regulations concerning construction safety and health.
- 29. All storm drainage facilities shall be completed prior to final acceptance.
- 30. The Contractor has the option of using either 6" Cement Treated Base with 6" Compacted Subbase or 4" Asphalt Treated Base with 8" Compacted Subbase.
- 31. Electronic marker disks shall be installed in all new sewer and water lines and in all existing lines to be replaced in accordance with Section 131 of the Supplemental Technical Specifications.
- 32. Sidewalk from Station 1+00 to Station 1+502 Lt. shall be constructed 3' inside right-of-way line to prevent relocation of existing fence. Back slopes shall match existing ground at fence line. Sidewalk Right Side Location Shown on Grading Section.

RECORD DRAWING

PLANS PREPARED UNDER THE DIRECTION OF			CITY OF ALBUQUERQUE		
[Seal]			MUNICIPAL DEVELOPMENT DEPARTMENT		
TITLE: SAD-214 UNSER BOULEVARD			TYPICAL SECTIONS AND GENERAL NOTES		
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[Signature]	1/4/84	Liquid Waste	[Signature]	1/4/84
A.C.E.-Design	[Signature]	1/4/84	Traffic	[Signature]	1/4/84
A.C.E.-Hydrology	[Signature]	1/4/84	Water	[Signature]	1/4/84
DESIGNED BY A.D. DRAWN BY L.H. CHECKED BY C.A.			DATE 12/83 DATE 12/83 DATE 12/83		
APPROVED FOR CONSTRUCTION			DRAWING NO. 1658		
LITY ENGINEER			SHEET 3 OF 23		

PLAN	DATE	BY
SURVEYED		
ALIGNED		
CHECKED		
RT. OF WAY		
NO.		

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
CHECKED		
STRUCTURE		
NOTATIONS		
NO.		



AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			REFERENCES		
CONTRACTOR	BRUCE ONST. Co. Inc.	DATE	1/4/84	114'	114'	MAP NO.	K-10	EST. NO.	W.O. NO.	BY	REMARKS
WORK	STATIONED BY	DATE	1/4/84	114'	114'	DATE	1/4/84	DATE	1/4/84	DATE	1/4/84
FIELD	STATIONED BY	DATE	1/4/84	114'	114'	DATE	1/4/84	DATE	1/4/84	DATE	1/4/84
COMPILED	STATIONED BY	DATE	1/4/84	114'	114'	DATE	1/4/84	DATE	1/4/84	DATE	1/4/84
MICRO-FILM INFORMATION			REVISIONS			DESIGN			CHECKED BY		
RECORDED BY	DATE		NO.	DATE		NO.	DATE		NO.	DATE	
NO.			NO.			NO.			NO.		

PLANS PREPARED UNDER THE DIRECTION OF

APPROVED FOR CONSTRUCTION

CITY ENGINEER

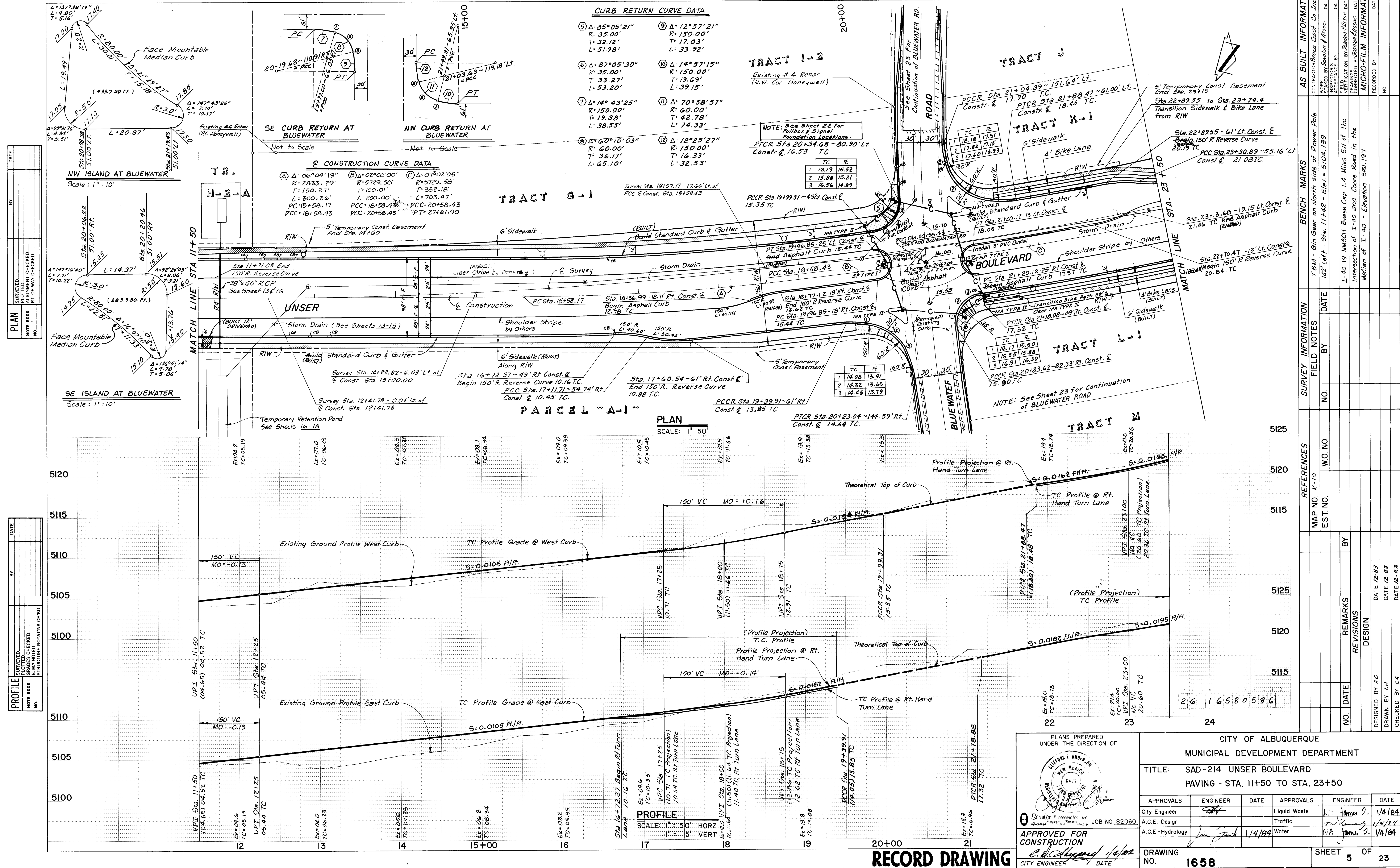
CITY OF ALBUQUERQUE

MUNICIPAL DEVELOPMENT DEPARTMENT

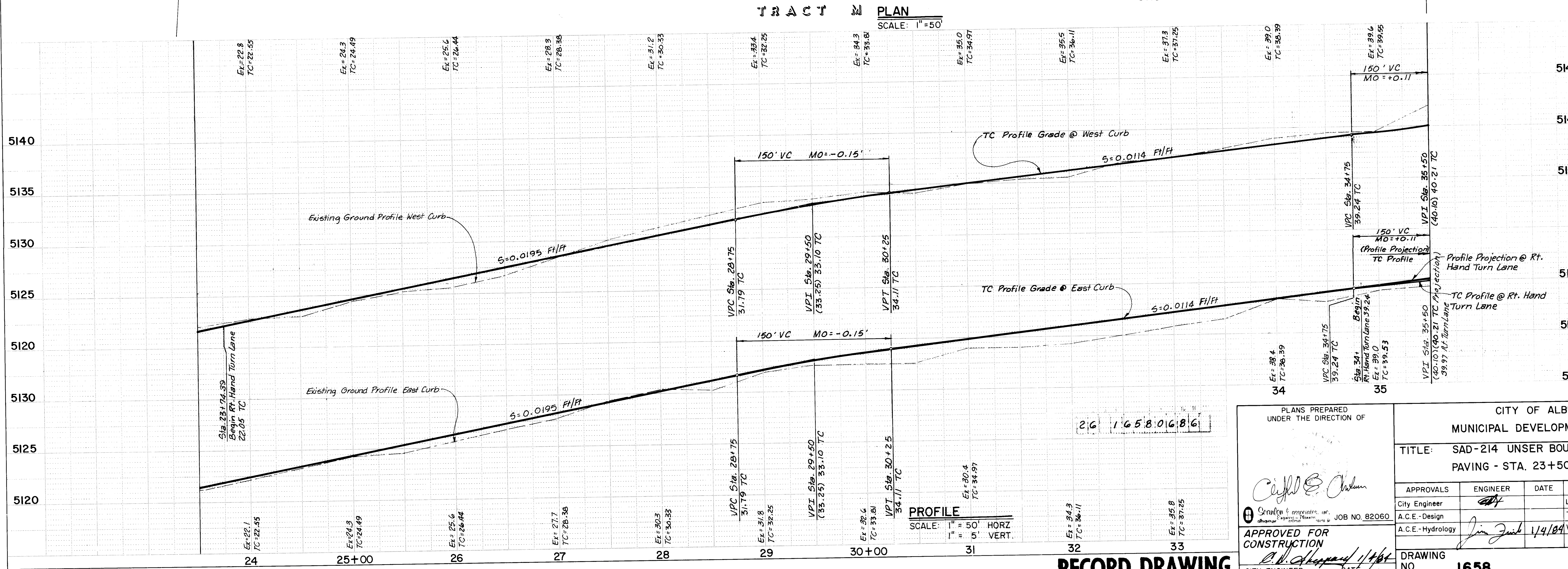
TITLE: SAD-214 UNSER BOULEVARD PAVING - STA. 0+00 TO STA. 11+50

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	NA	1/4/84
A.C.E. - Design			Traffic	NA	1/4/84
A.C.E. - Hydrology			Water	NA	1/4/84

DRAWING NO. 1658

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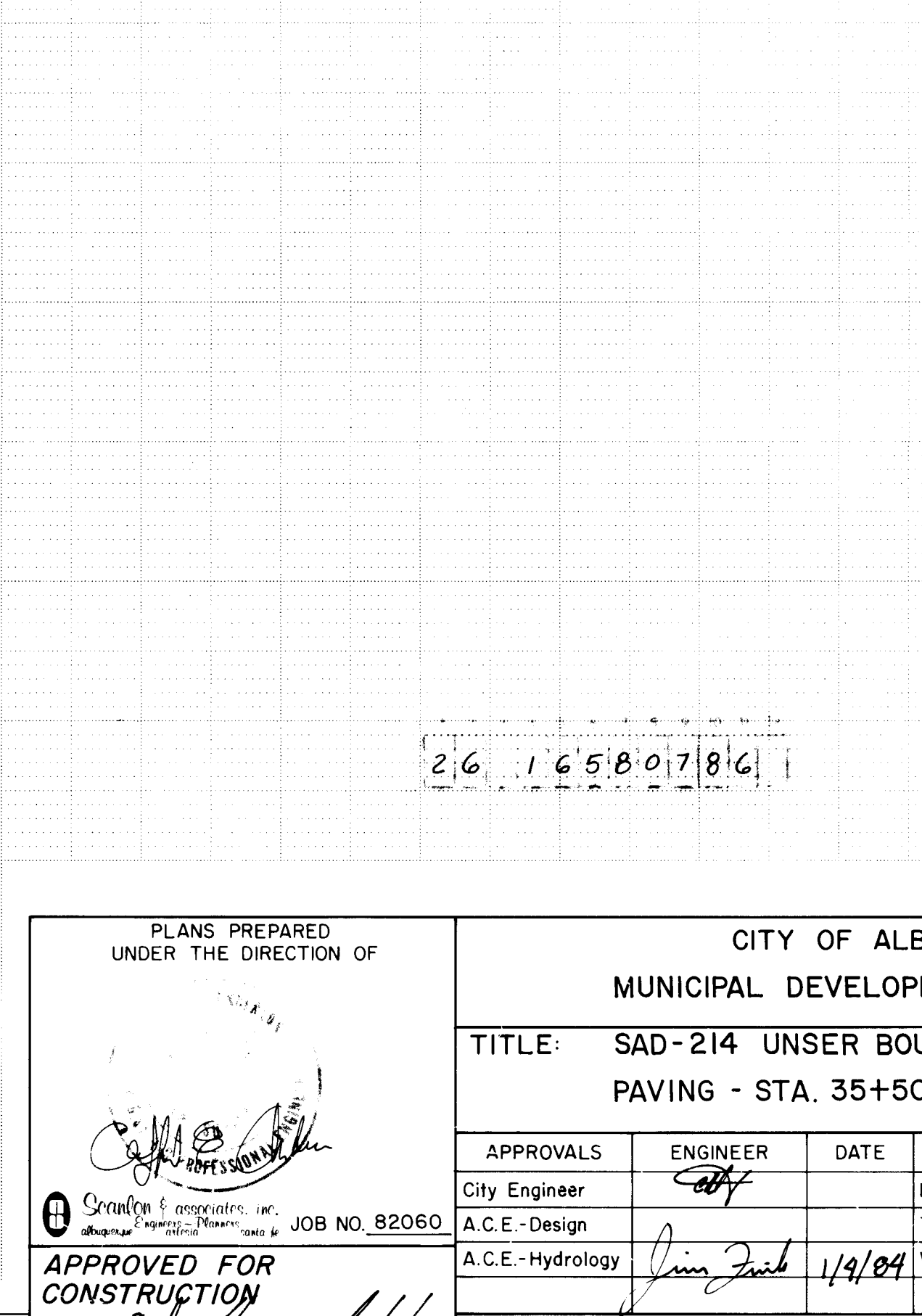
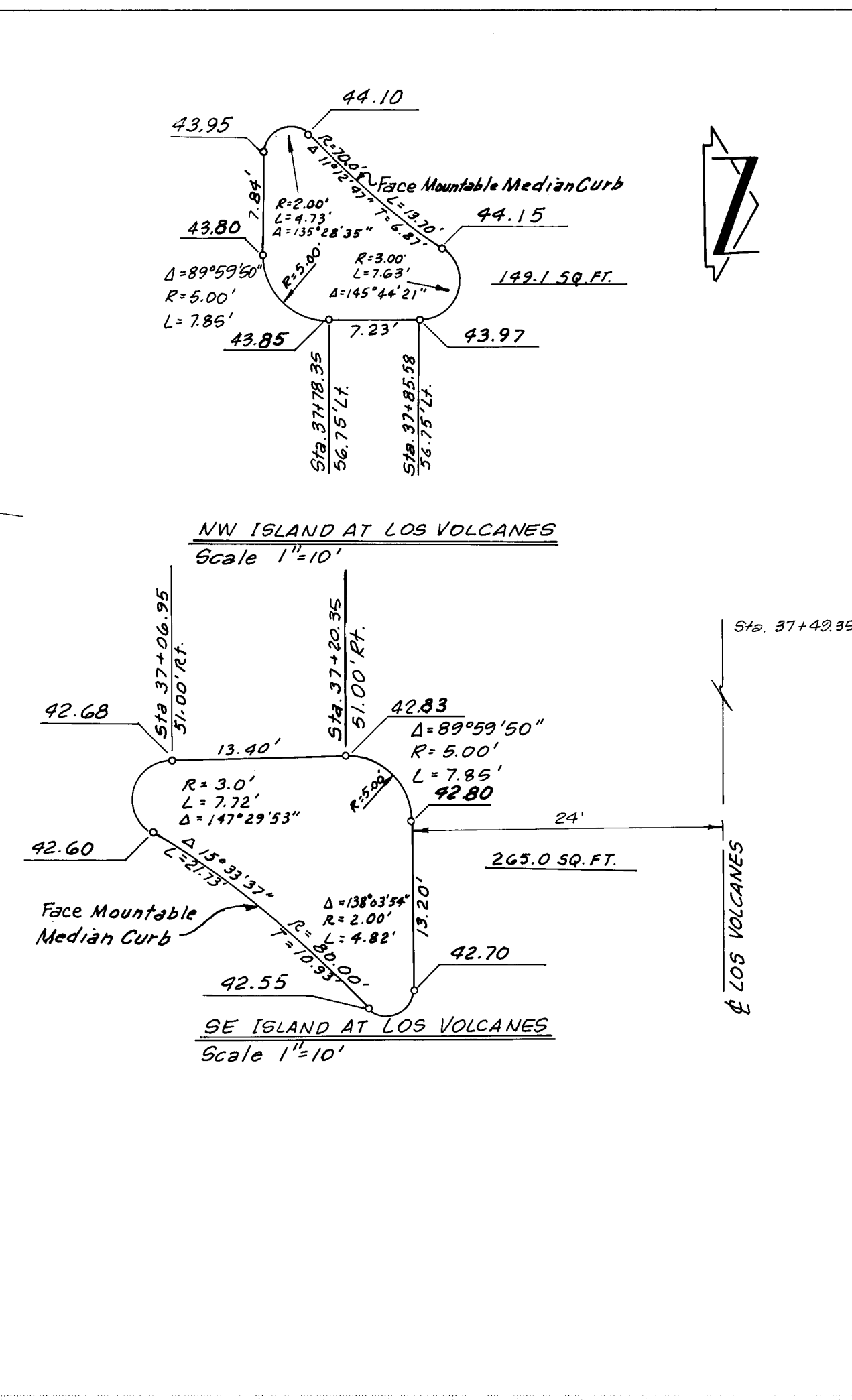
PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	GRADES CHECKED		
	B. M.'s NOTED		



APPROVALS		ENGINEER	DATE
Liquid Waste	NA	James J.	4/4/84
Traffic	NA	James J.	4/4/84
Water	NA	James J.	4/4/84

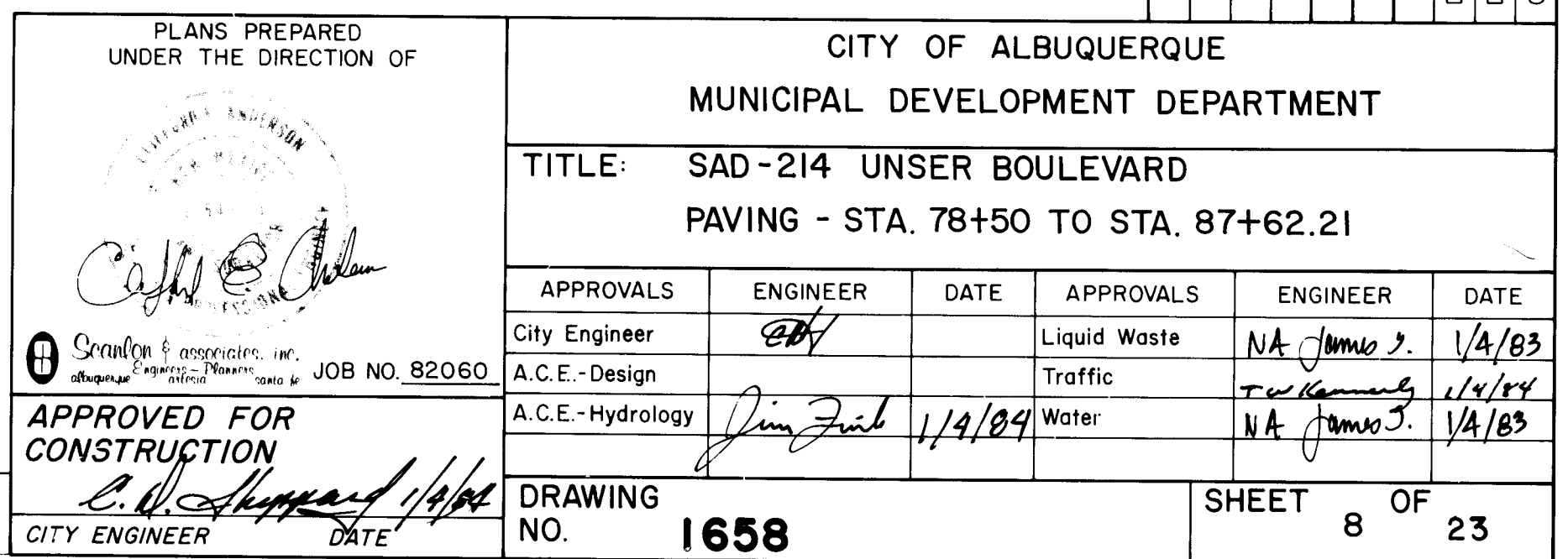
SHEET 6 OF 23

PROFILE		BY	DATE
	SURVIVED		
	PLOTTED		
	GRADES CHECKED		
	B. M.'S NOTED		
	STRUCTURE NOTATNS CHKD		

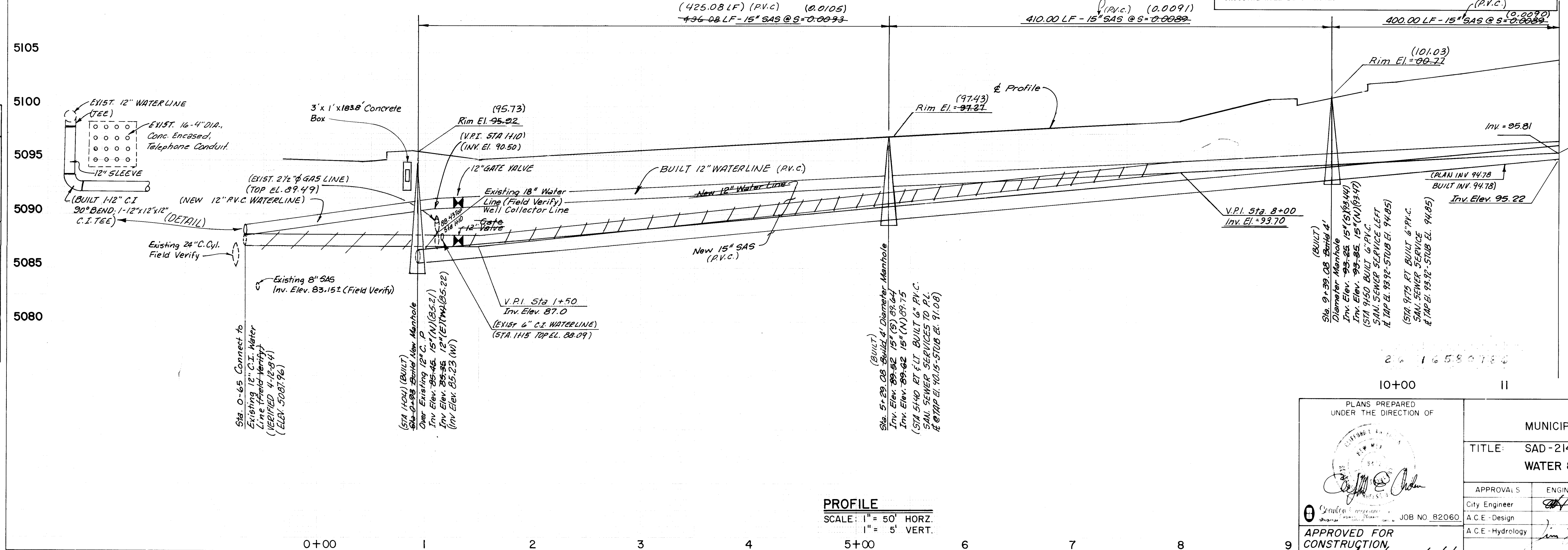
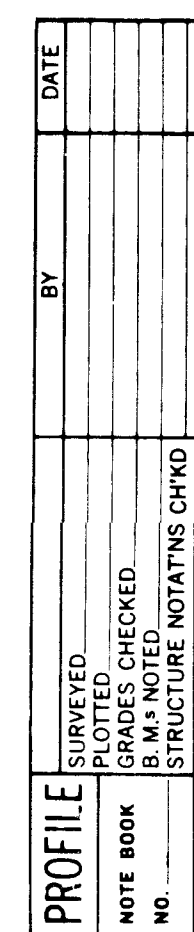


PLANS PREPARED UNDER THE DIRECTION OF  APPROVED FOR CONSTRUCTION CITY ENGINEER	CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT					
	TITLE: SAD-214 UNSER BOULEVARD PAVING - STA. 35+50 TO STA. 39+49.35					
	APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
	City Engineer	<i>[Signature]</i>		Liquid Waste	NA James J.	1/4/84
JOB NO. 82060 APPROVED FOR CONSTRUCTION CITY ENGINEER	A.C.E.-Design			Traffic	NA James J.	1/4/84
	A.C.E.-Hydrology	<i>[Signature]</i>	1/4/84	Water	NA James J.	1/4/84
	DRAWING NO.			SHEET 7 OF 23		
	1658					

PROFILE		BY	DATE
NOTE BOOK NO.	SURVEYED		
	PLOTTED		
	GRADES CHECKED B. M.'s NOTED		
	STRUCTURE NOTATIONS CHECKED		



REFERENCES				SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
MAP NO. J-9		W.O. NO.		FIELD NOTES		I-40-19 NM5HC Brass Cap 1.4 miles SW of the intersection of I-40 and Coors Road in the Median of I-40 - Elev = 5151.197		CONTRACTOR <i>Proce Const Co. Inc</i>	
EST. NO.				NO.	BY			DATE	WORK STAKED BY <i>Scanlon & Assoc.</i>
NO.	DATE	REMARKS	BY				FIELD VERIFIED BY	DATE	
REVISIONS									
DESIGN									
DESIGNED BY <i>40</i>		DATE <i>12-83</i>					FIELD VERIFICATION BY <i>Scanlon & Assoc.</i>	DATE <i>1994</i>	
DRAWN BY <i>LH</i>		DATE <i>12-83</i>					CORRECTED BY <i>Scanlon & Assoc.</i>	DATE <i>1994</i>	
CHECKED BY <i>CA</i>		DATE <i>12-83</i>					MICRO-FILM INFORMATION		
							RECORDED BY	DATE	
							NO.		

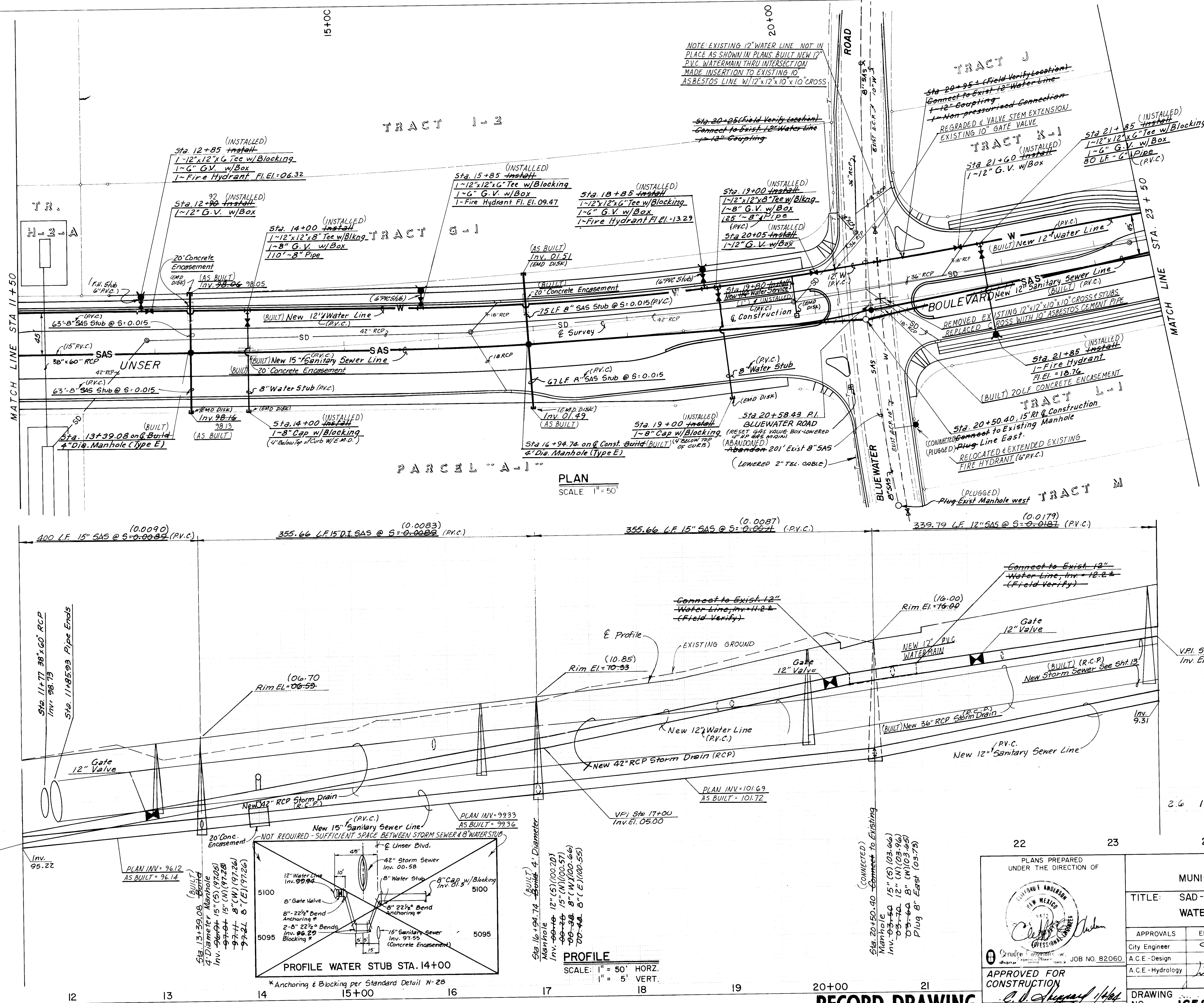


PLANS PREPARED
UNDER THE DIRECTION OF

SEAL OF THE CITY OF ALBUQUERQUE, N.M.

PLAN	DATE	BY
SURVEYED		
NOTED		
PLANNED		
DESIGNED		
DRAWN		
CHECKED		
BY		

PROFILE	DATE	BY
SURVEYED		
NOTED		
PLANNED		
DESIGNED		
DRAWN		
CHECKED		
BY		



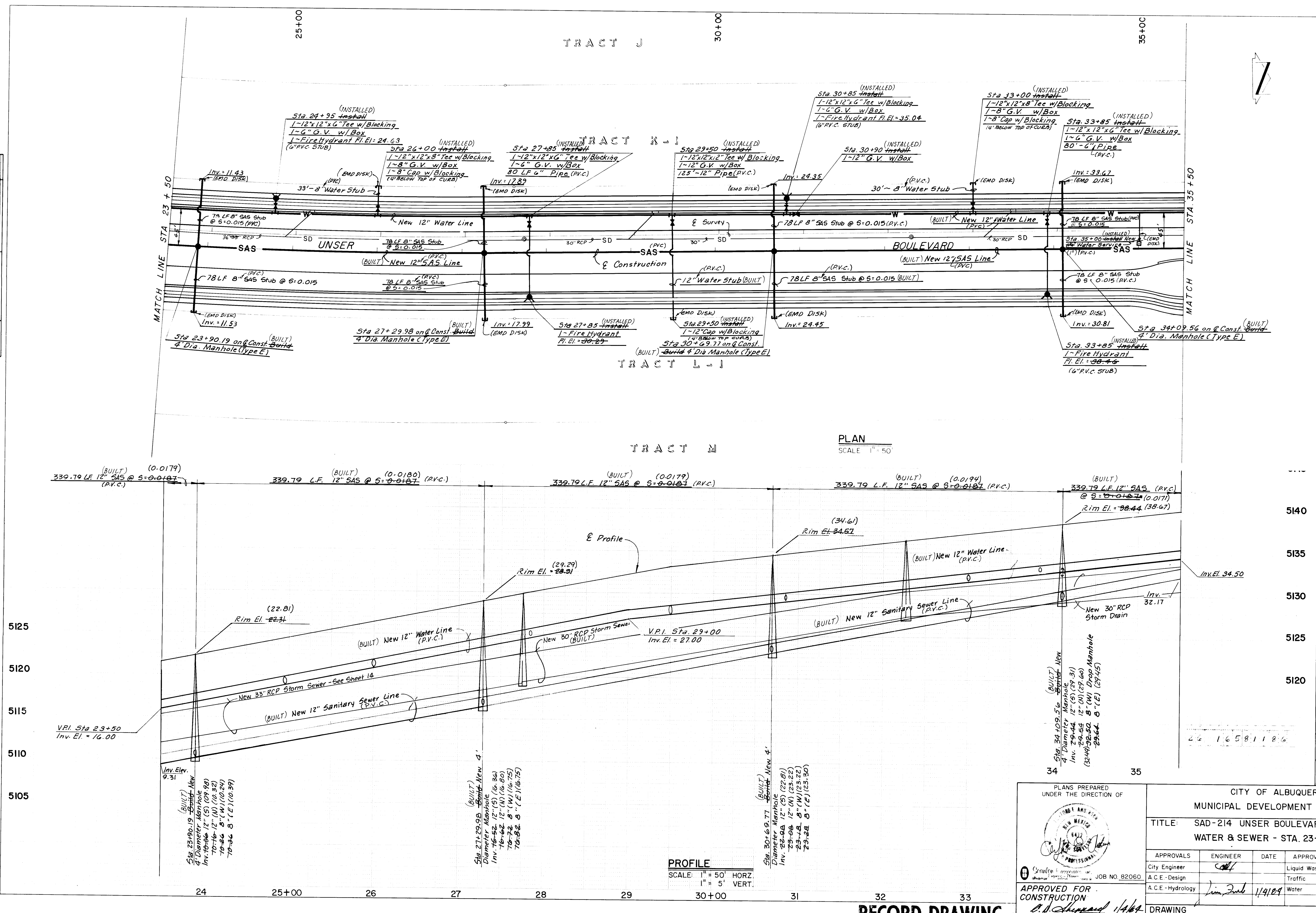
PLANS PREPARED UNDER THE DIRECTION OF 			CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TITLE: SAD-214 UNSER BOULEVARD WATER & SEWER - STA. 11+50 TO STA. 23+50		
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		1/4/84
A.C.E.-Design			Traffic		1/4/84
A.C.E.-Hydrology		1/4/84	Water		1/4/84
DRAWING NO.	1658		SHEET	10 OF 23	

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RECORD DRAWING

PLAN	DATE	BY
SURVEYED		
GRADES CHECKED		
ALIGNED		
RT. OF WAY CHECKED		
NOTE BOOK NO.		

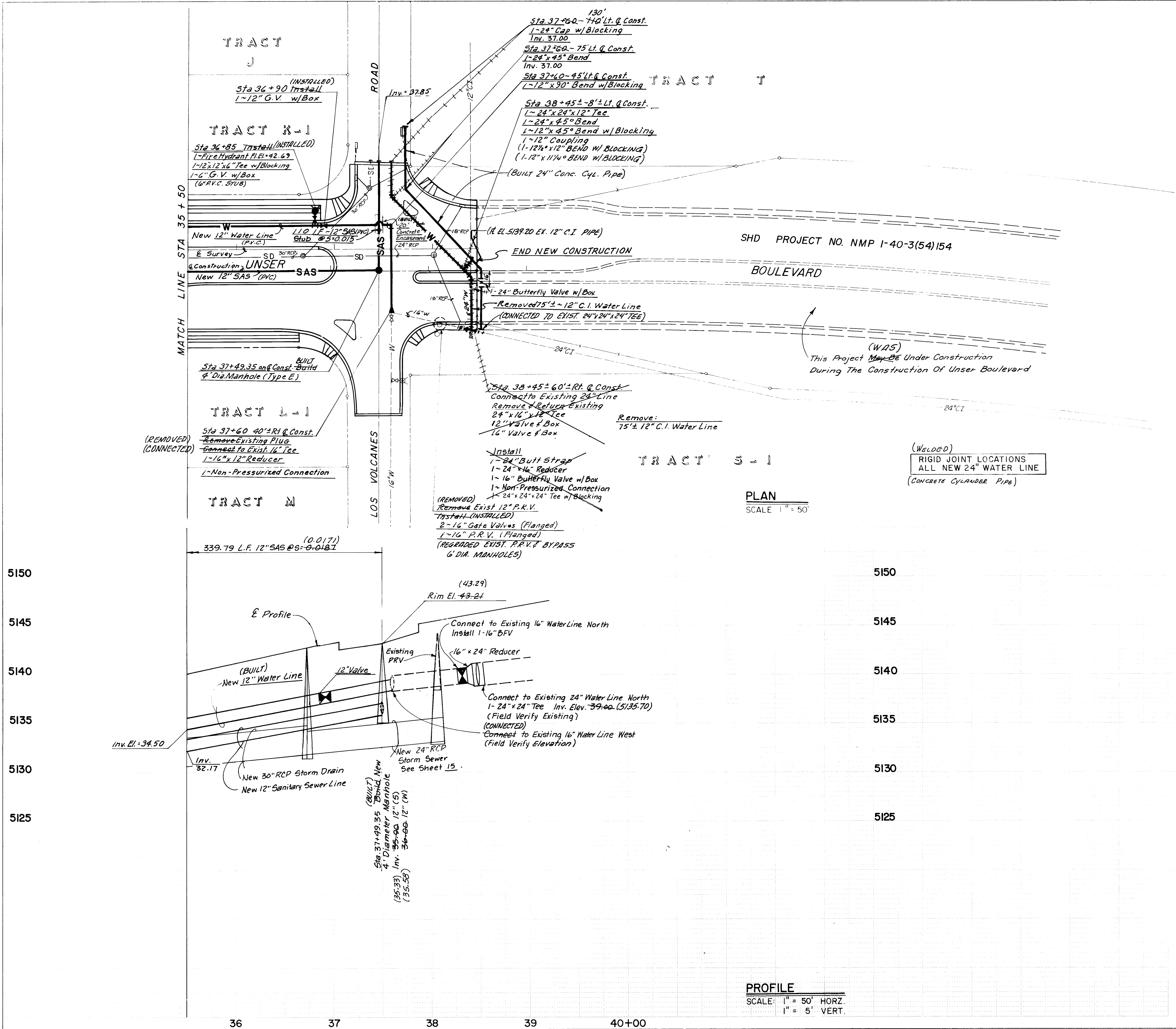
PROFILE	DATE	BY
SURVEYED		
GRADES CHECKED		
STRUCTURE NOTATIONS CHNG		
NOTE BOOK NO.		



PLANS PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT	
APPROVED FOR CONSTRUCTION		TITLE: SAD-214 UNSER BOULEVARD WATER & SEWER - STA. 23+50 TO STA. 35+50	
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	1/1/04	1/1/04	Engineer
A.C.E. - Design	1/1/04	1/1/04	Engineer
A.C.E. - Hydrology	1/1/04	1/1/04	Engineer
DRAWING NO. 1658		SHEET 11 OF 23	

PLAN	DATE	BY
SURVEYED		
PLOTTED		
CHECKED		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
CHECKED		
NOTE BOOK		
NO.		

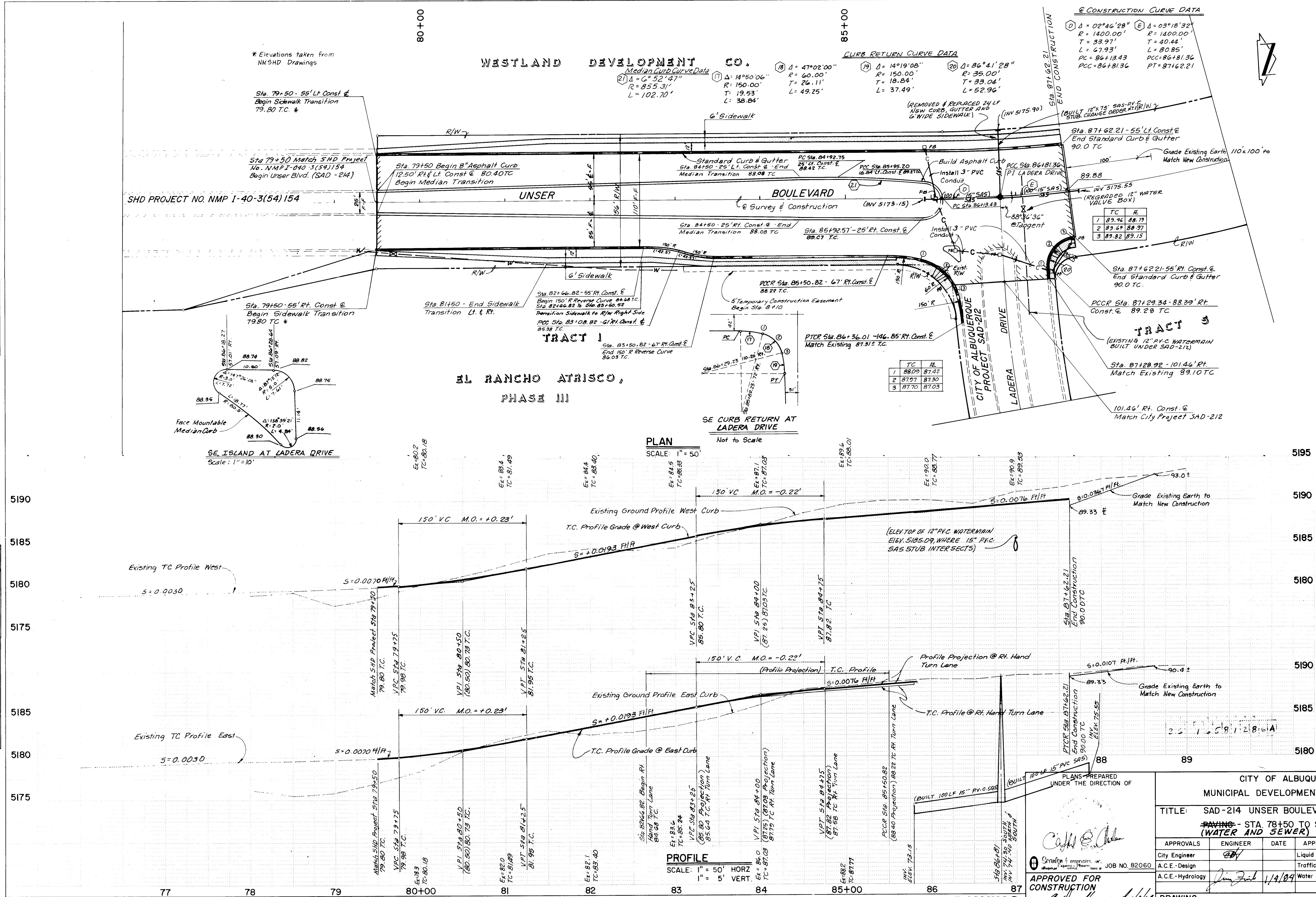


PLANS PREPARED UNDER THE DIRECTION OF			CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT		
TITLE: SAD-214 UNSER BOULEVARD WATER & SEWER - STA. 35+50 TO STA. 39+49.35					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>		Liquid Waste	<i>[Signature]</i>	1/1/84
A.C.E.-Design	<i>[Signature]</i>		Traffic	<i>[Signature]</i>	1/1/84
A.C.E.-Hydrology	<i>[Signature]</i>	1/1/84	Water	<i>[Signature]</i>	1/1/84
APPROVED FOR CONSTRUCTION			DESIGNED		
CITY ENGINEER			DATE 12/83		
DATE			DRAWN BY		
NO. 1658			DATE 12/83		
			CHECKED BY		
			DATE 12/83		
			NO.		
			SHEET 12 OF 23		

RECORD DRAWING

PLAN	DATE	BY
SURVEYED		
ALIGNED		
CHECKED		
NO.		

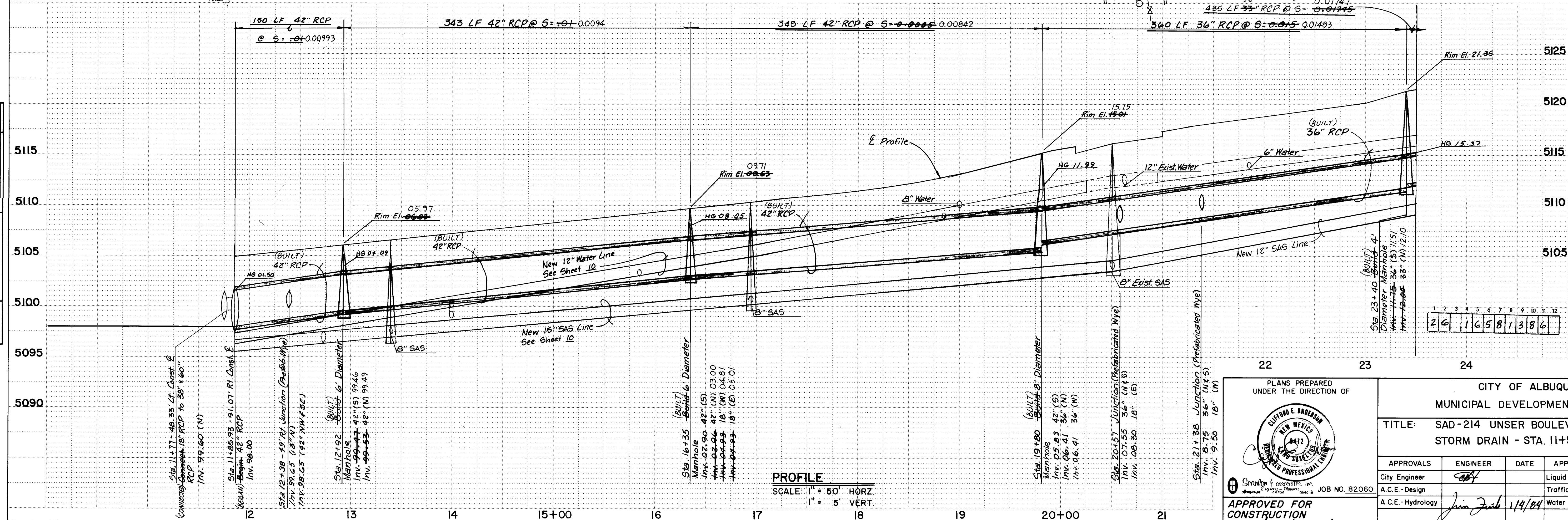
PROFILE	DATE	BY
SURVEYED		
GRADES CHECKED		
NO.		



RECORD DRAWING

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT			
TITLE: SAD-214 UNSER BOULEVARD PAYING - STA. 78+50 TO STA. 87+62.21 (WATER AND SEWER)			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	NA	1/4/83	Liquid Waste
A.C.E.-Design	NA	1/4/83	Traffic
A.C.E.-Hydrology	NA	1/4/83	Water
DRAWING NO. 1658		SHEET 12A OF 23	

PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
B. M.'S NOTED			
STRUCTURE NOTATIONS CHKD			
NO.			



NOTE: WHERE STORM SEWERS CROSS OVER WATER AND SANITARY SEWER LINES WITH LESS THAN ONE (1) FOOT OF CLEARANCE, A MINIMUM OF 6 INCHES OF ELASTOMERIC MATERIAL MUST BE PLACED BETWEEN PIPES. THE MATERIAL MUST COMPLETELY COVER THE LOWER PIPE. ABSOLUTE MINIMUM CLEARANCE BETWEEN TWO PIPES CROSSING WILL BE 6 INCHES.

PLAN **PIPE**
WILL

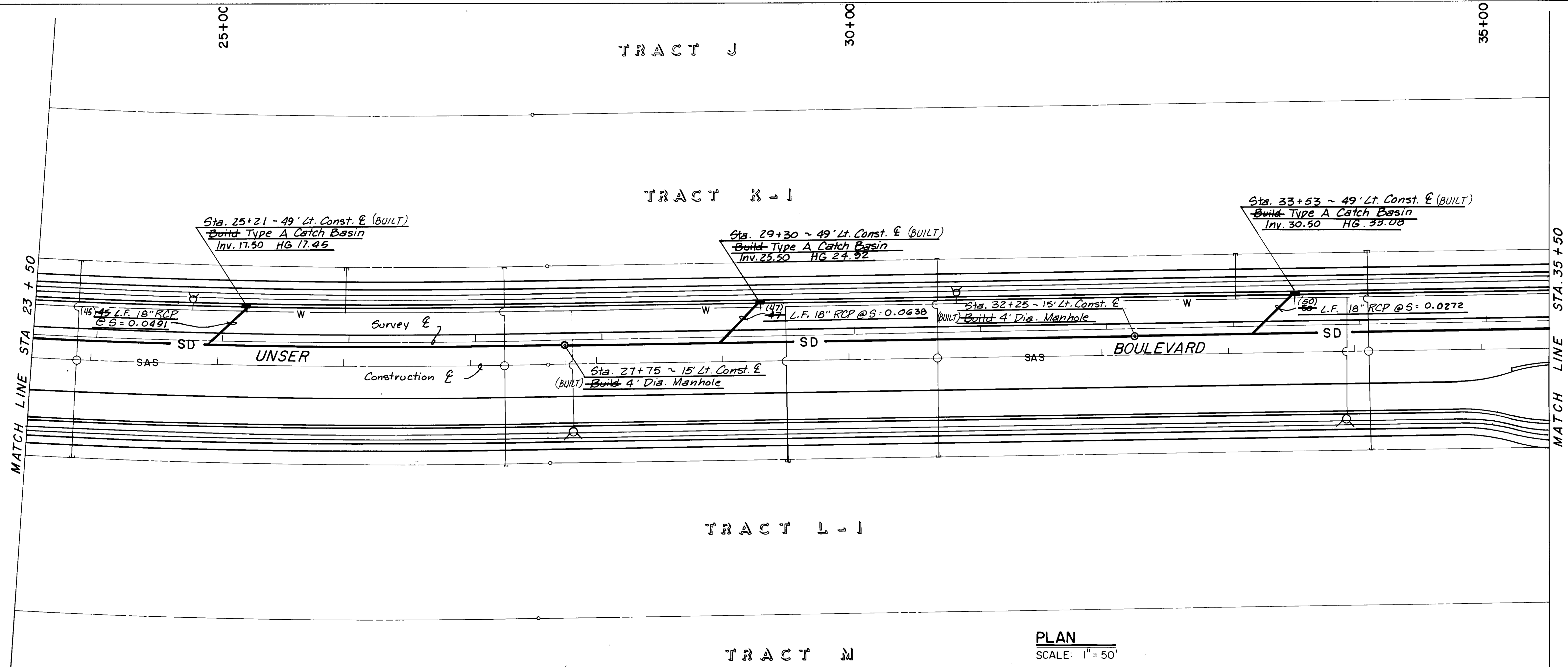
SCALE: 1" = 50'

RECORD DRAWING

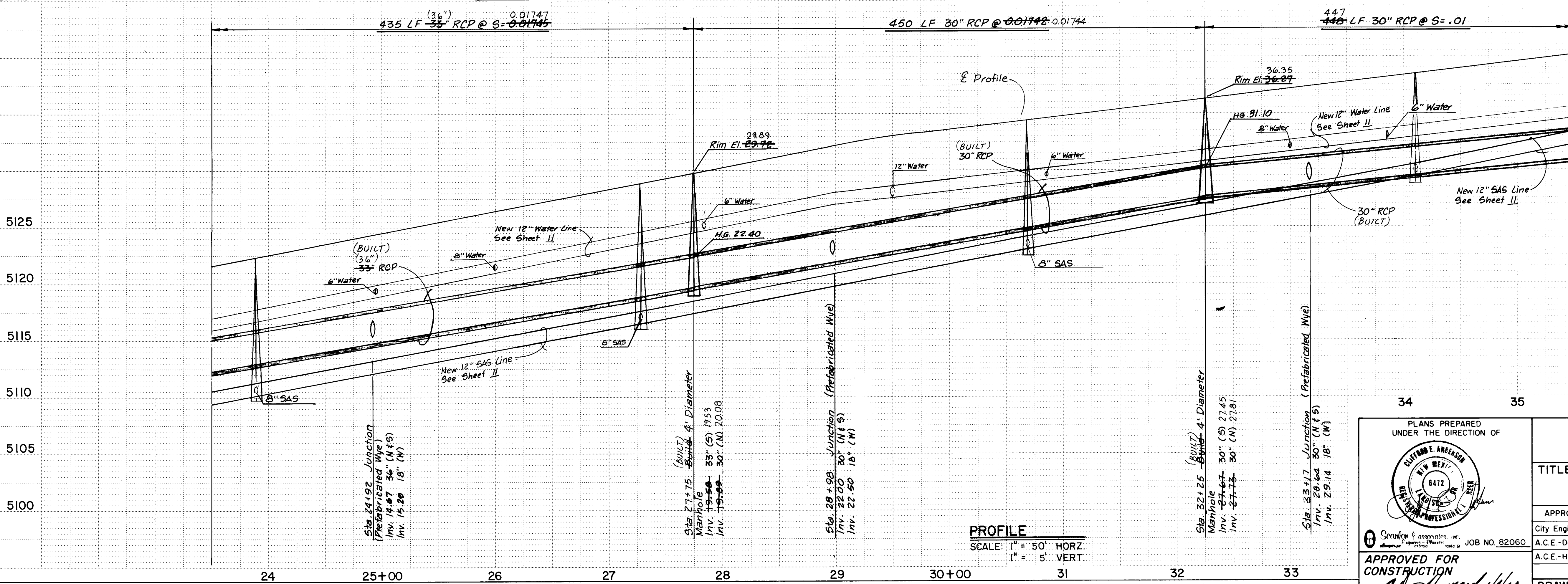
PLANS PREPARED UNDER THE DIRECTION OF  CLIFFORD E. ANDERSON NEW MEXICO 8472 REGISTERED PROFESSIONAL ENGINEER CIVIL ENGINEERING Anderson & Associates, Inc. Engineers - Architects - Planners 1000 N. 10th St., Suite 100, Albuquerque, N.M. 87102 APPROVED FOR CONSTRUCTION <i>C. E. Anderson</i> 1/4/84 CITY ENGINEER DATE	CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TITLE: SAD-214 UNSER BOULEVARD STORM DRAIN - STA. 11+50 TO STA. 23+50							
	APPROVALS		ENGINEER	DATE	APPROVALS		ENGINEER	DATE
	City Engineer		<i>SAH</i>		Liquid Waste		NA <i>James J.</i>	1/4/84
	A.C.E.-Design				Traffic		NA <i>James J.</i>	1/4/84
A.C.E.-Hydrology		<i>John Smith</i>	1/4/84	Water		NA <i>James J.</i>	1/4/84	
DRAWING NO.				1658		SHEET 13 OF 23		

PLAN	DATE
SURVEYED	BY
NOTE BOOK	NO.
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	

PROFILE	DATE
SURVEYED	BY
NOTE BOOK	NO.
GRADES CHECKED	
STRUCTURE NOTATIONS CHPD	



PLAN
SCALE: 1" = 50'



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

RECORD DRAWING

PLANS PREPARED UNDER THE DIRECTION OF					
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT					
TITLE: SAD-214 UNSER BOULEVARD STORM DRAIN - STA. 23+50 TO STA. 35+50					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	NA	1/4/84	Liquid Waste	NA	1/4/84
A.C.E. Design	NA	1/4/84	Traffic	NA	1/4/84
A.C.E.-Hydrology	NA	1/4/84	Water	NA	1/4/84
DRAWING NO. 1658			SHEET 14 OF 23		

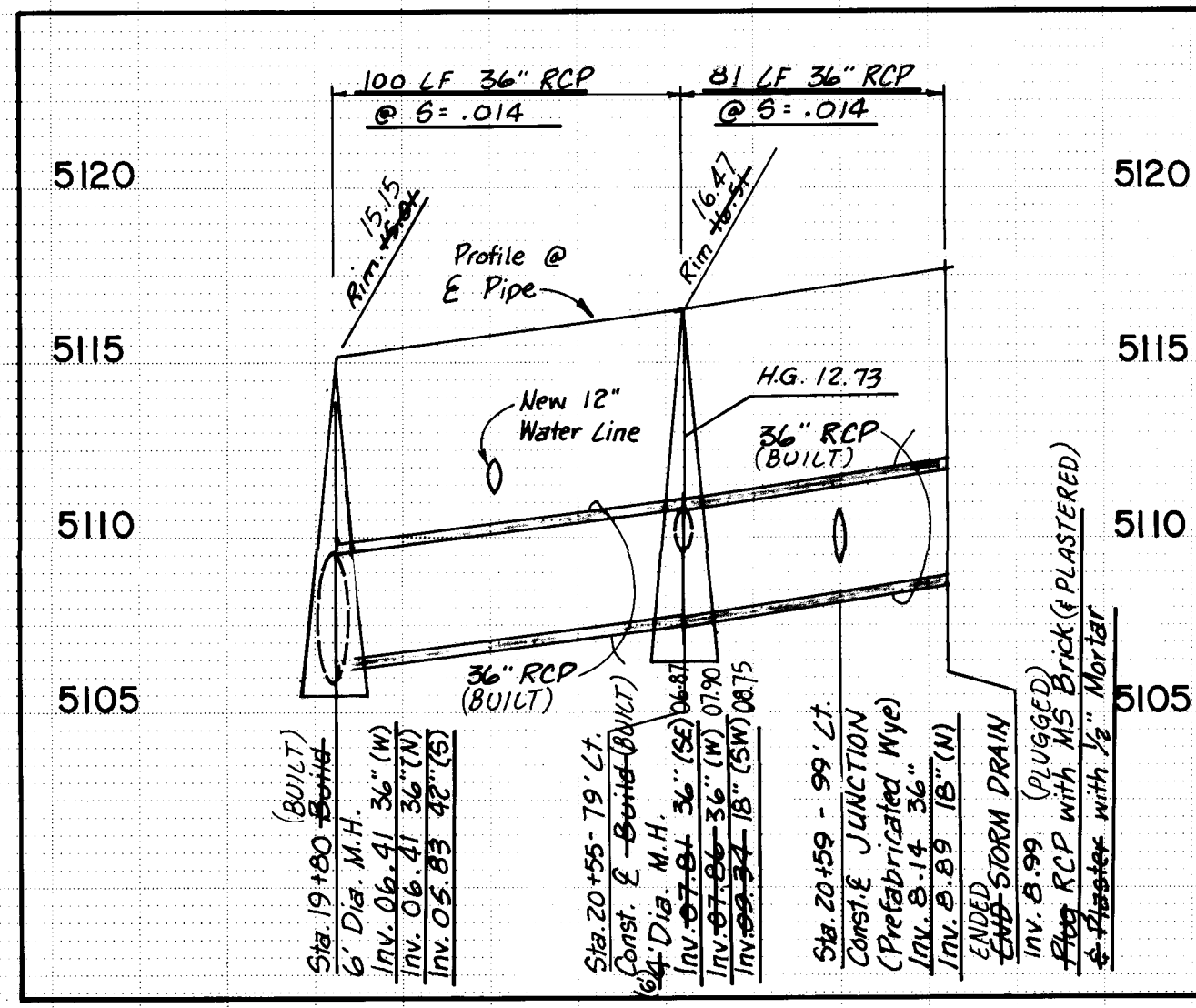
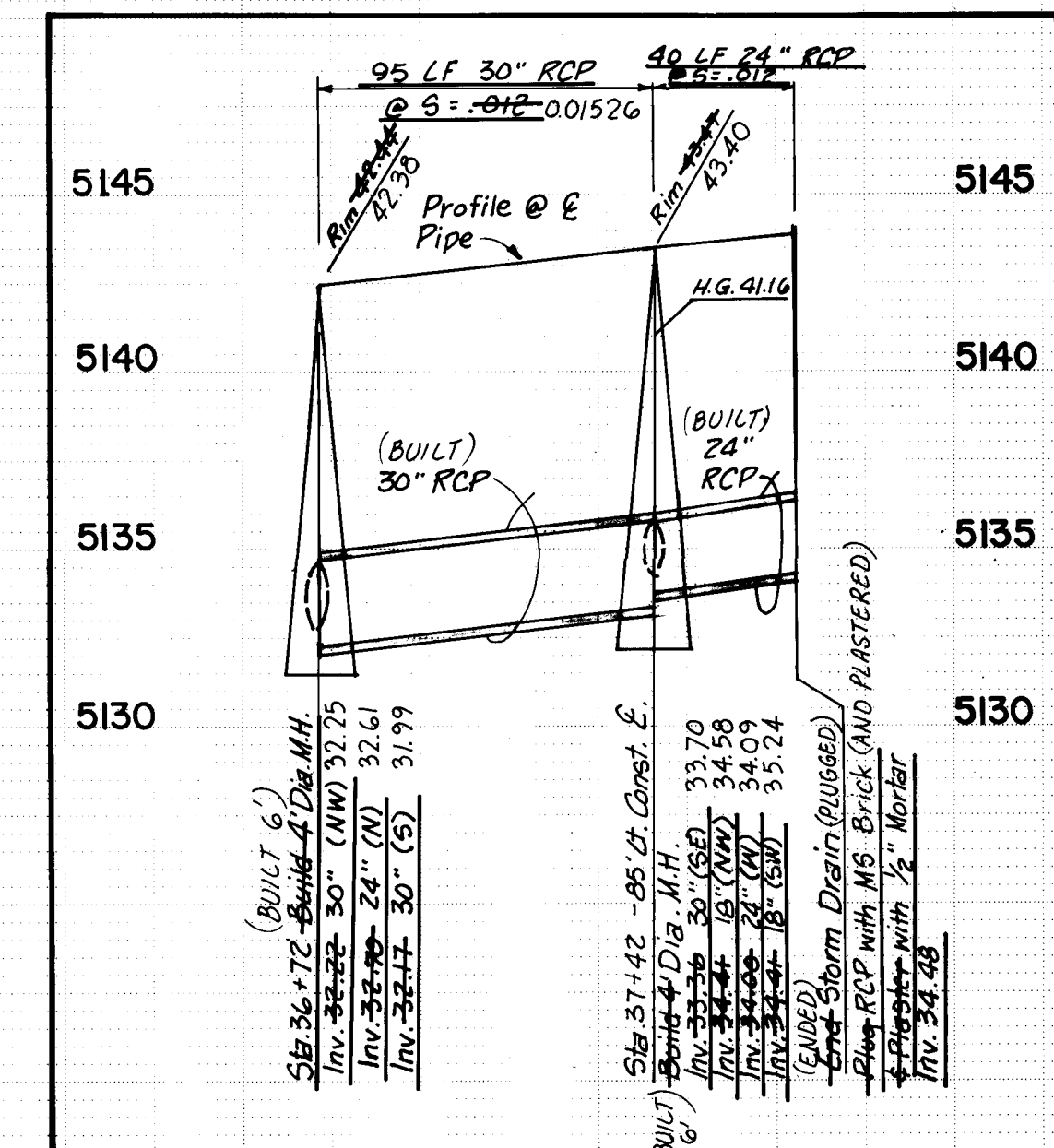
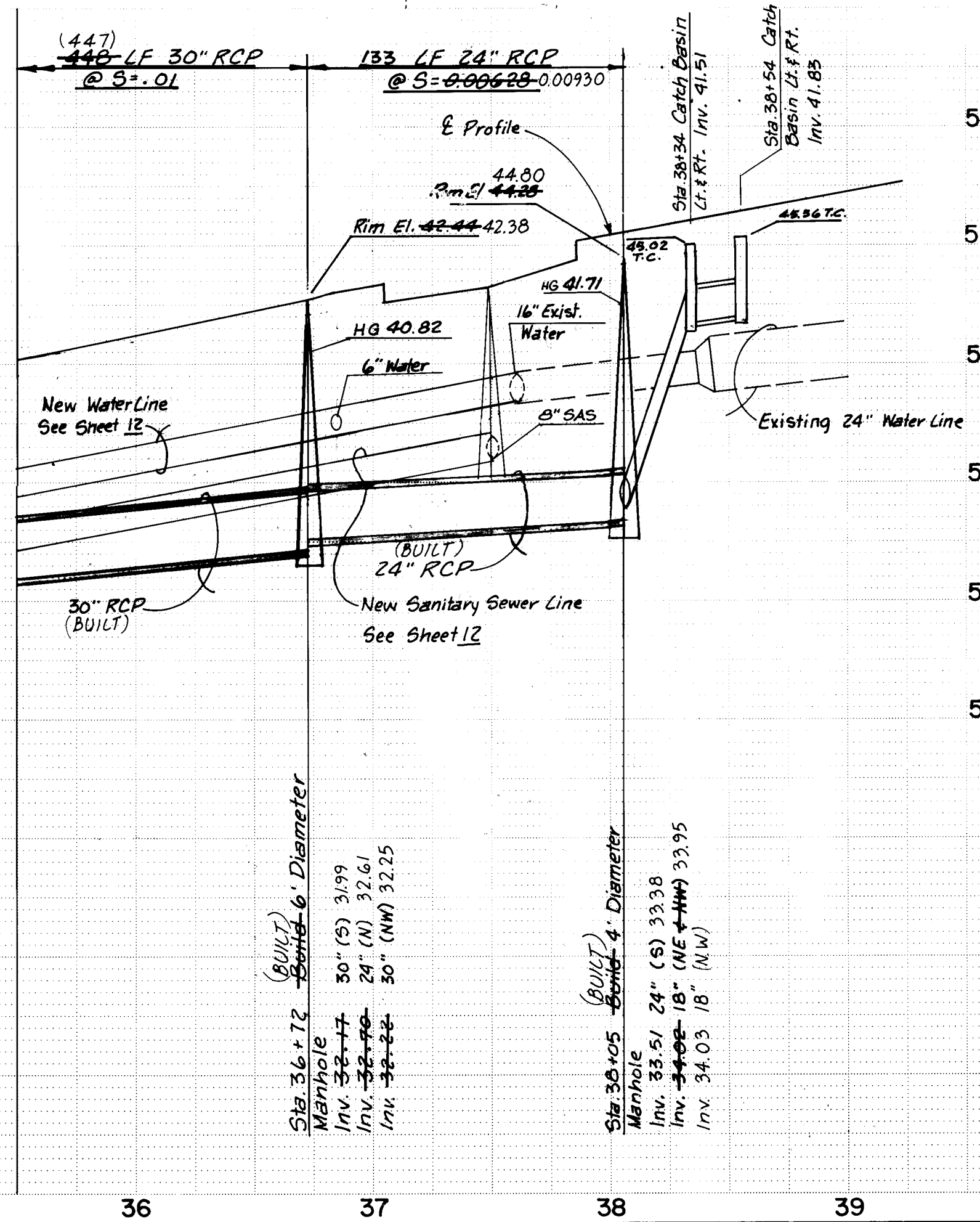
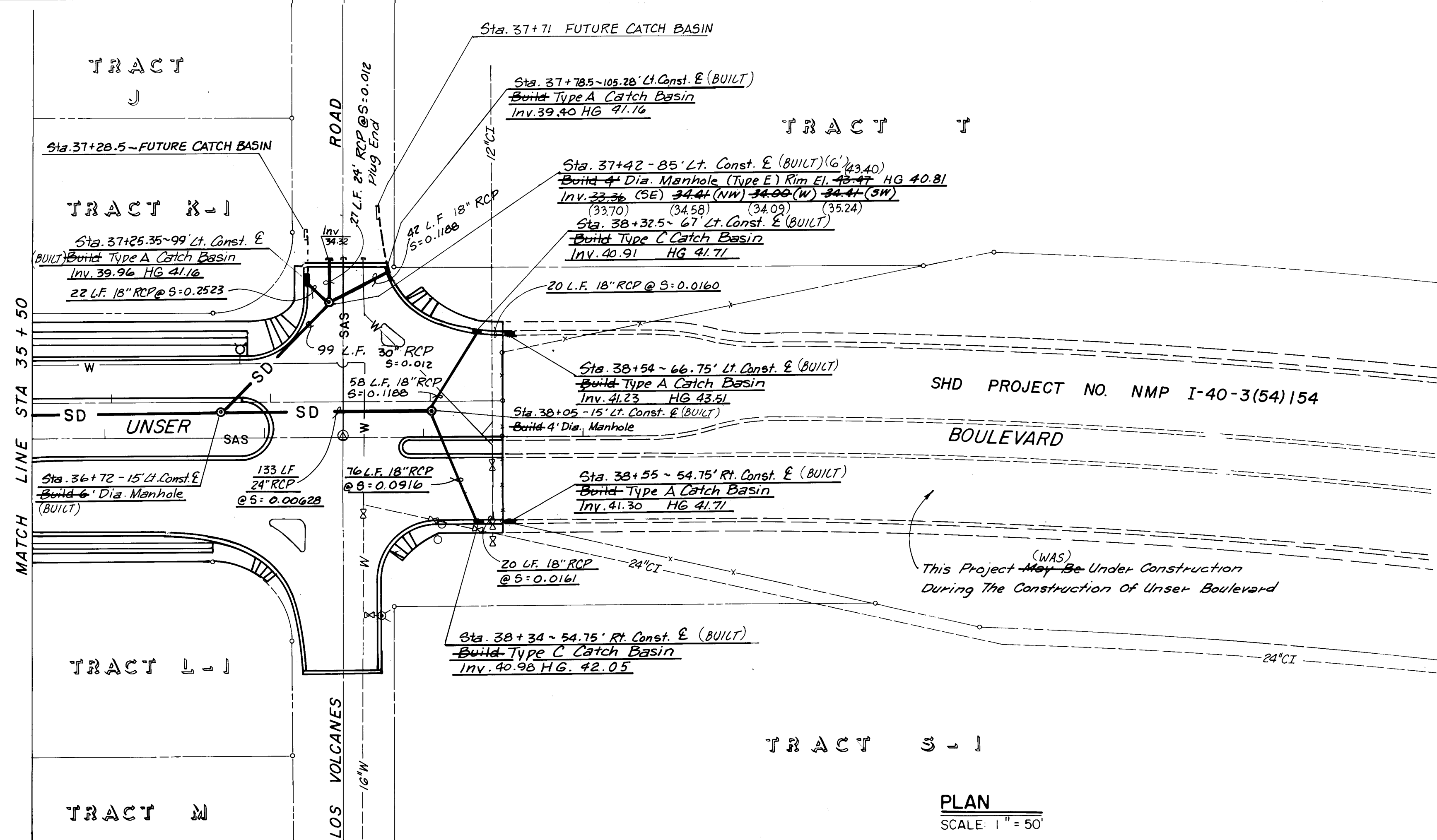
5140
5135
5130
5125
5120

26 16581486

REFERENCES		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
MAP NO. K-10	EST. NO.	NO.	BY	DATE	1-40-19 NMSHC Brass Cap 1.4 miles SW of the intersection of I-40 and Coors Road in the Median of I-40 - Elev = 5151.197	CONTRACTOR Bruce Cochrane, Inc.	WORKED BY Scanlon & Assoc.
					TBM - NE Bonnet Bolt in Fire Hydrant at the NE cor. of UNSER & Los Volcanes - Elev = 5142.031	INSPECTOR'S ACCEPTANCE BY	DATE
						VERIFICATION BY Scanlon & Assoc.	DATE
						DATE	DATE
						RECORDED BY	DATE
						NO.	DATE

PLAN	DATE	BY
SURVEYED		
DESIGNED		
CHECKED		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
SURVEYED		
DESIGNED		
CHECKED		
NOTE BOOK		
NO.		



PROFILE
SCALE: 1" = 50' HORZ.
1" = 5' VERT.

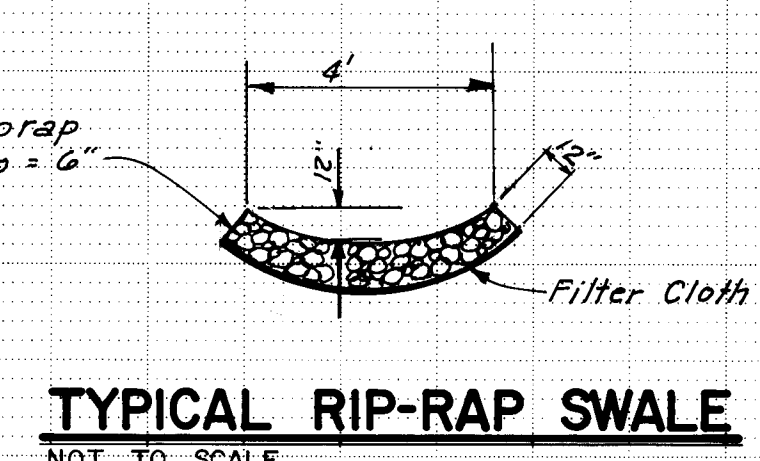
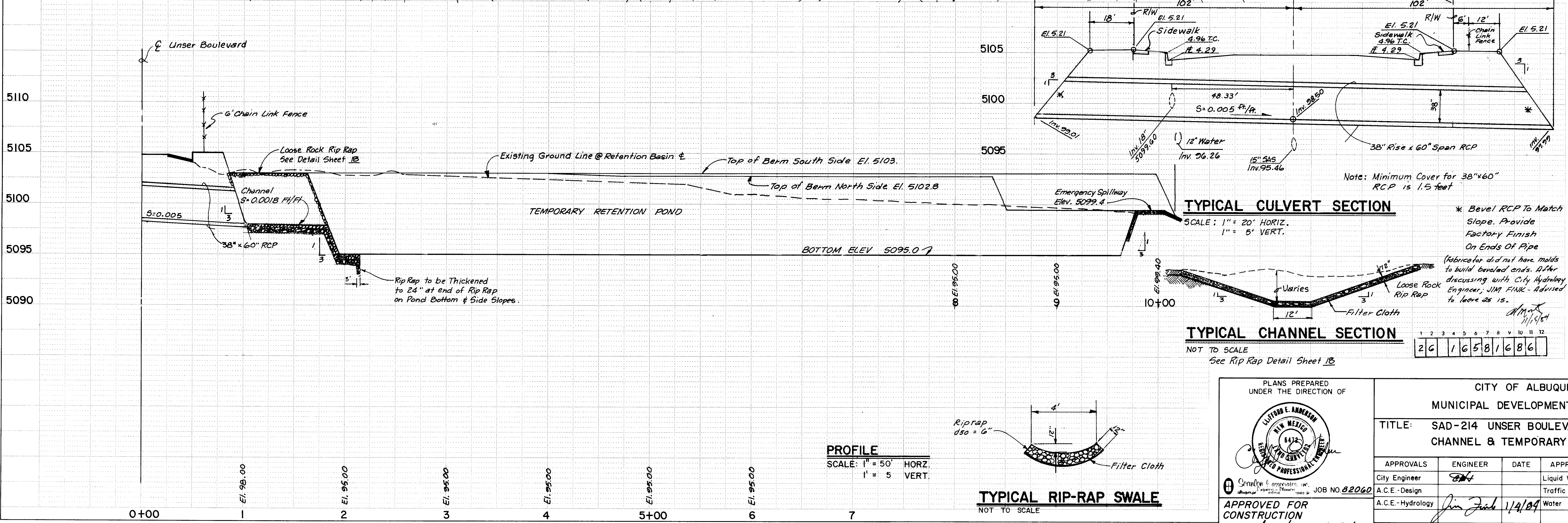
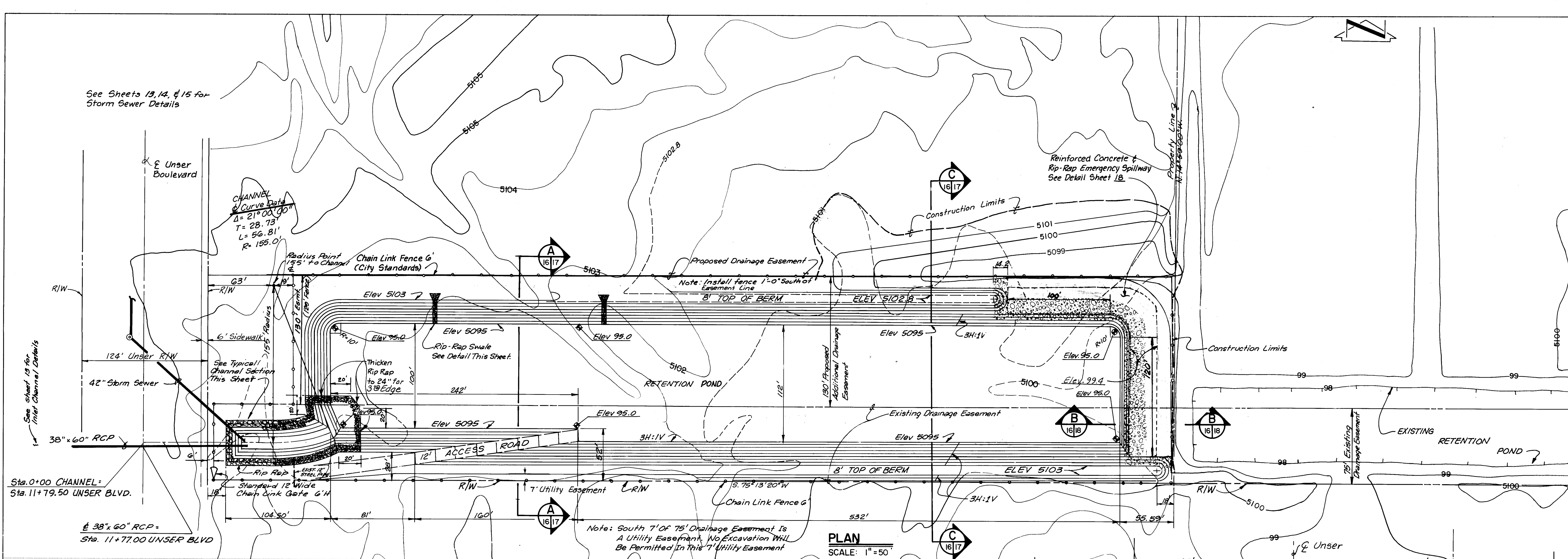
RECORD DRAWING

PLANS PREPARED UNDER THE DIRECTION OF			CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT		
TITLE: SAD-214 UNSER BOULEVARD STORM DRAIN - STA. 35+50 TO STA. 39+49.35					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>		Liquid Waste	<i>[Signature]</i>	1/1/04
A.C.E.-Design			Traffic	<i>[Signature]</i>	1/1/04
A.C.E.-Hydrology	<i>[Signature]</i>	1/1/04	Water	<i>[Signature]</i>	1/1/04
DRAWING NO. 1658			SHEET 15 OF 23		

REFERENCES	SURVEY INFORMATION	BENCH MARKS	AS BUILT INFORMATION
MAP NO. J-9, K-10	DATE	I-40-19 NWSHC Brass Cap 1.4 miles SW of the intersection of I-40 and Coors Road in the Median of I-40 - Elev = 5151.197	CONTRACTOR: Broce Const. Co. Inc. DATE: 1994
EST. NO.	NO.	BY	INSPECTOR'S ACCEPTANCE BY DATE: 1994
REVISIONS	NO.	DATE	VERIFICATION BY: Sanborn Assoc. DATE: 1994
DESIGNED BY: KF	DATE: 12-83		DRAMA: NE Bonnet Bolt in Fire Hydrant at the NE cor. of UNSER & Los Volcanes - Elev = 5142.031
DRAWN BY: SGH	DATE: 12-83		RECORDED BY: NO.
CHECKED BY: CA	DATE: 12-83		

PLAN	DATE	BY
SURVEYED		
PLOTTED		
ALIGNED CHECKED		
NOTE BOOK		
NO.		

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
ALIGNED CHECKED		
NOTE BOOK		
NO.		

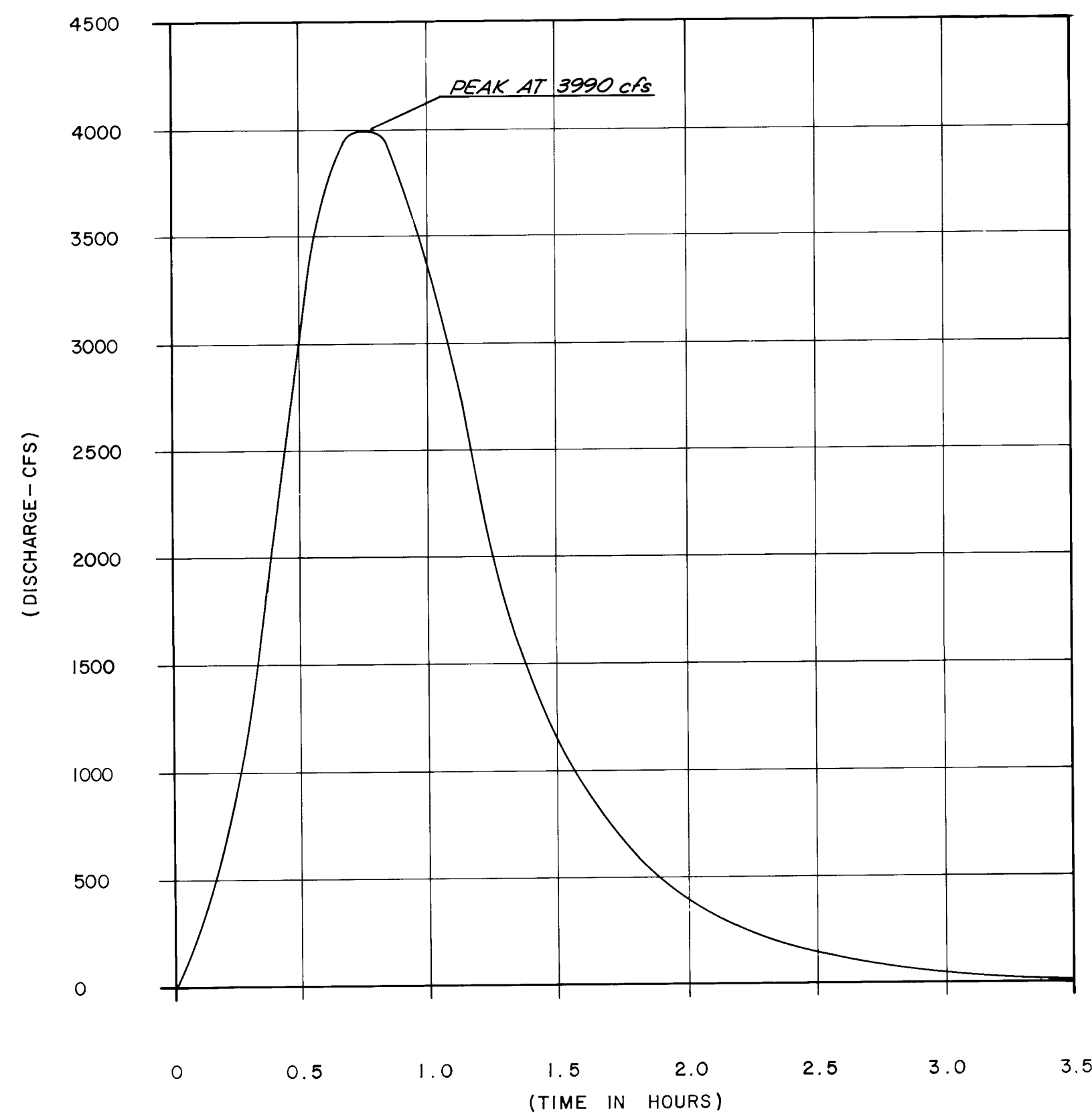


TYPICAL CULVERT SECTION
SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

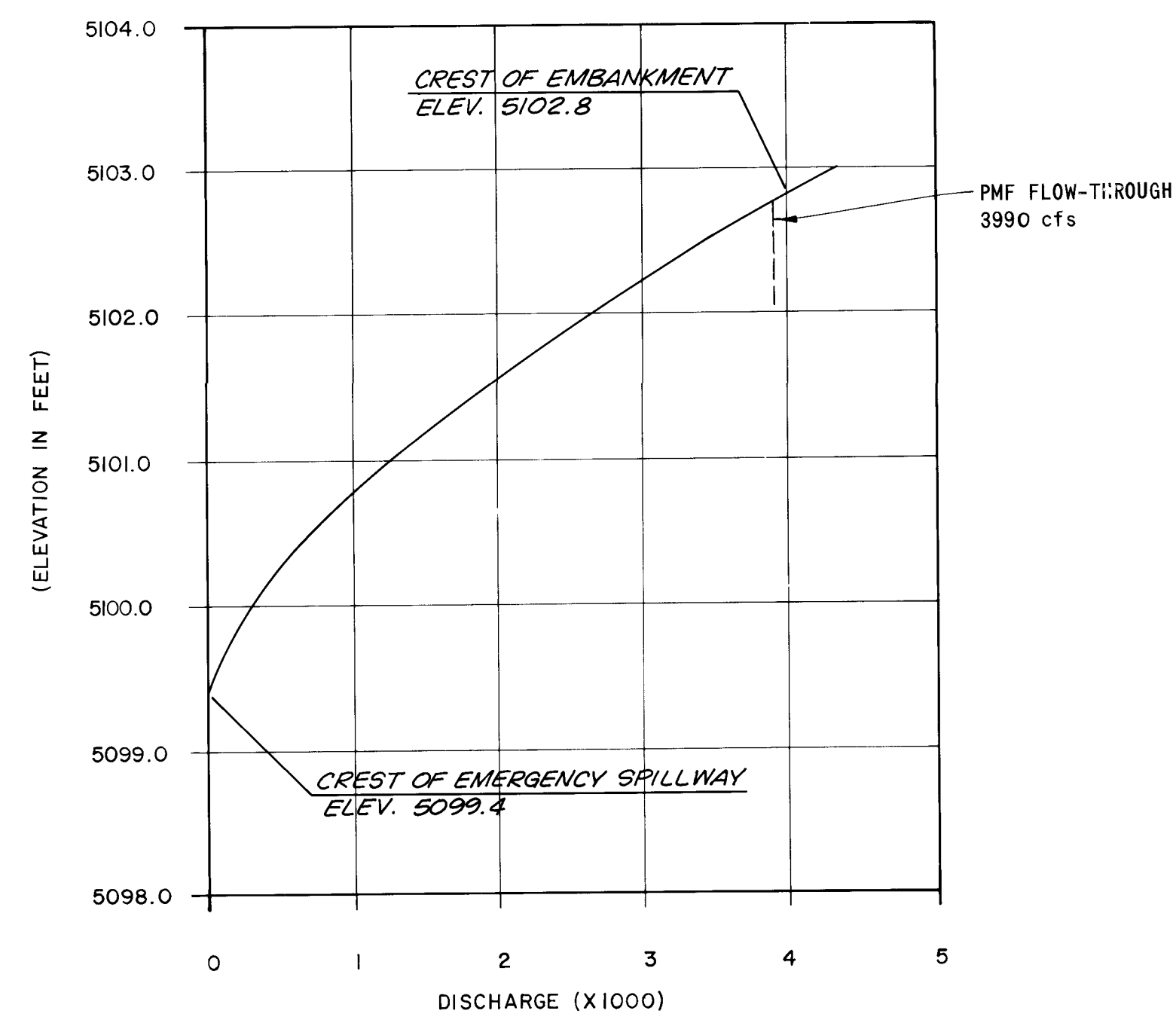
TYPICAL CHANNEL SECTION
NOT TO SCALE
See Rip-Rap Detail Sheet 1B

PLANS PREPARED UNDER THE DIRECTION OF 		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TITLE: SAD-214 UNSER BOULEVARD CHANNEL & TEMPORARY RETENTION POND			
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>		Liquid Waste	NA	1/4/04
A.C.E. - Design			Traffic	NA	1/4/04
A.C.E. - Hydrology	<i>[Signature]</i>	1/4/04	Water	NA	1/4/04
DRAWING NO. 1658		SHEET 16 OF 23			

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
MAP NO.	EST. NO.	FIELD NO.	DATE	CONTRACTOR	DATE
				Boce Const. Co. Inc.	1994
REFERENCES		REVISIONS		MICRO-FILM INFORMATION	
NO.	DATE	NO.	DATE	NO.	DATE



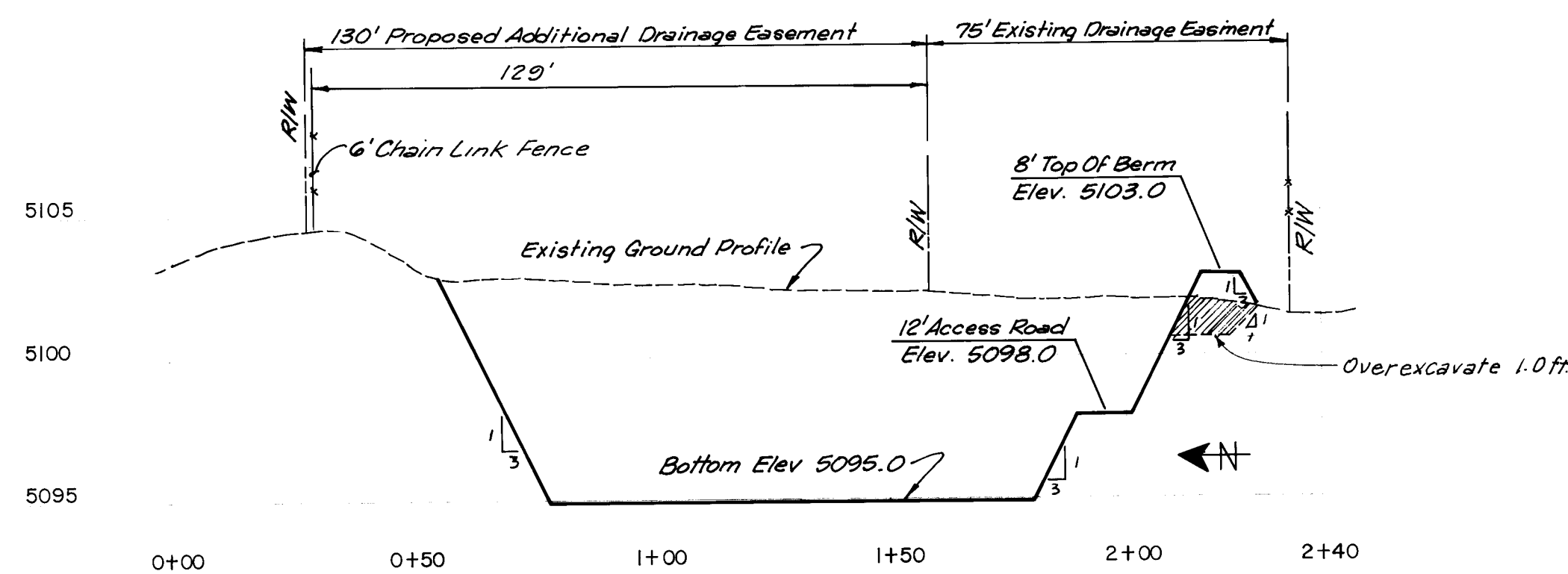
PMF HYDROGRAPH 6 HOUR THUNDERSTORM



EMERGENCY SPILLWAY DISCHARGE CURVE

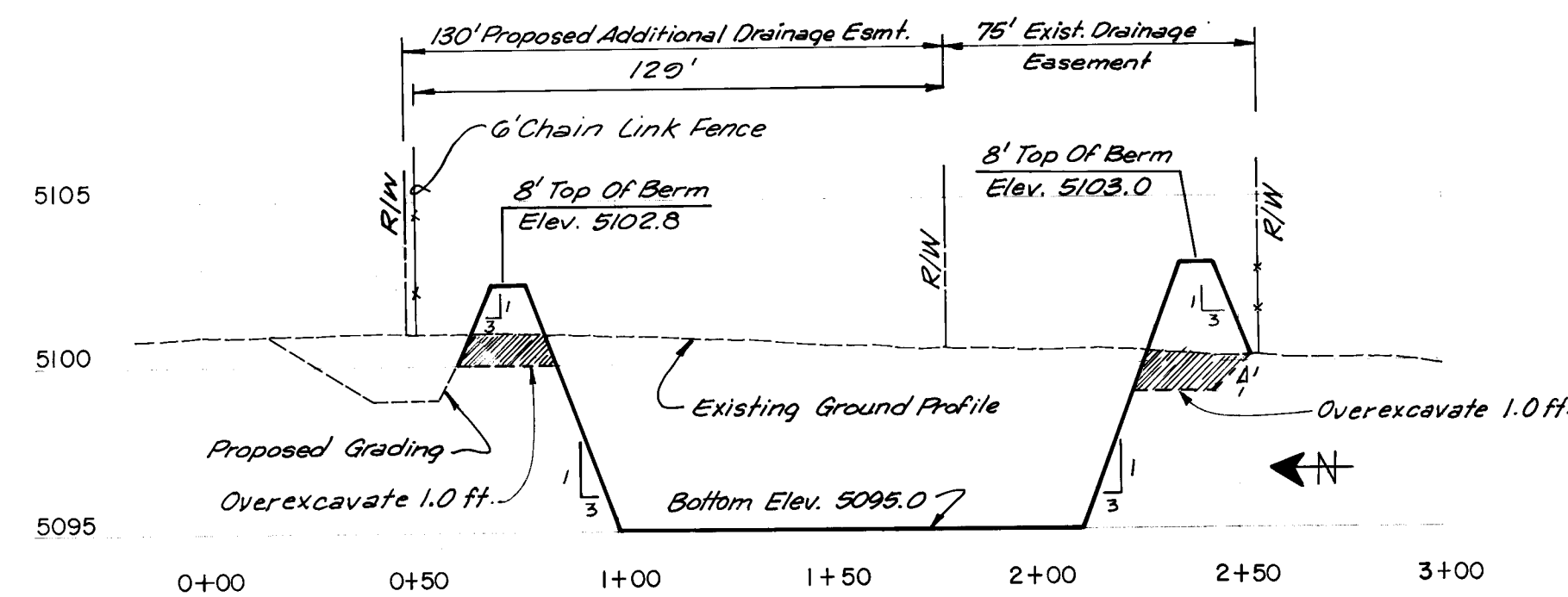
TEMPORARY RETENTION POND STORAGE DATA		
ELEVATION (FT)	AREA (ACRES)	ACCUM.STORAGE (ACRE - FEET)
5095.0	1.883	1.946
5096.0	2.010	4.0202
5097.0	2.139	6.224
5098.0	2.269	8.559
5099.0	2.401	9.528
5099.4 ELEV. OF EMERGENCY SPILLWAY	2.445	

NOTE: 100 YEAR - 24 HOUR DESIGN STORM
REQUIRES 9.18 ACRE- FEET STORAGE



SECTION A-A
SCALE: 1" = 30' HORIZ.
1" = 5' VERT.

NOTE:
Compact Earth Berms to 95%
Maximum Density ASTM - D 1557

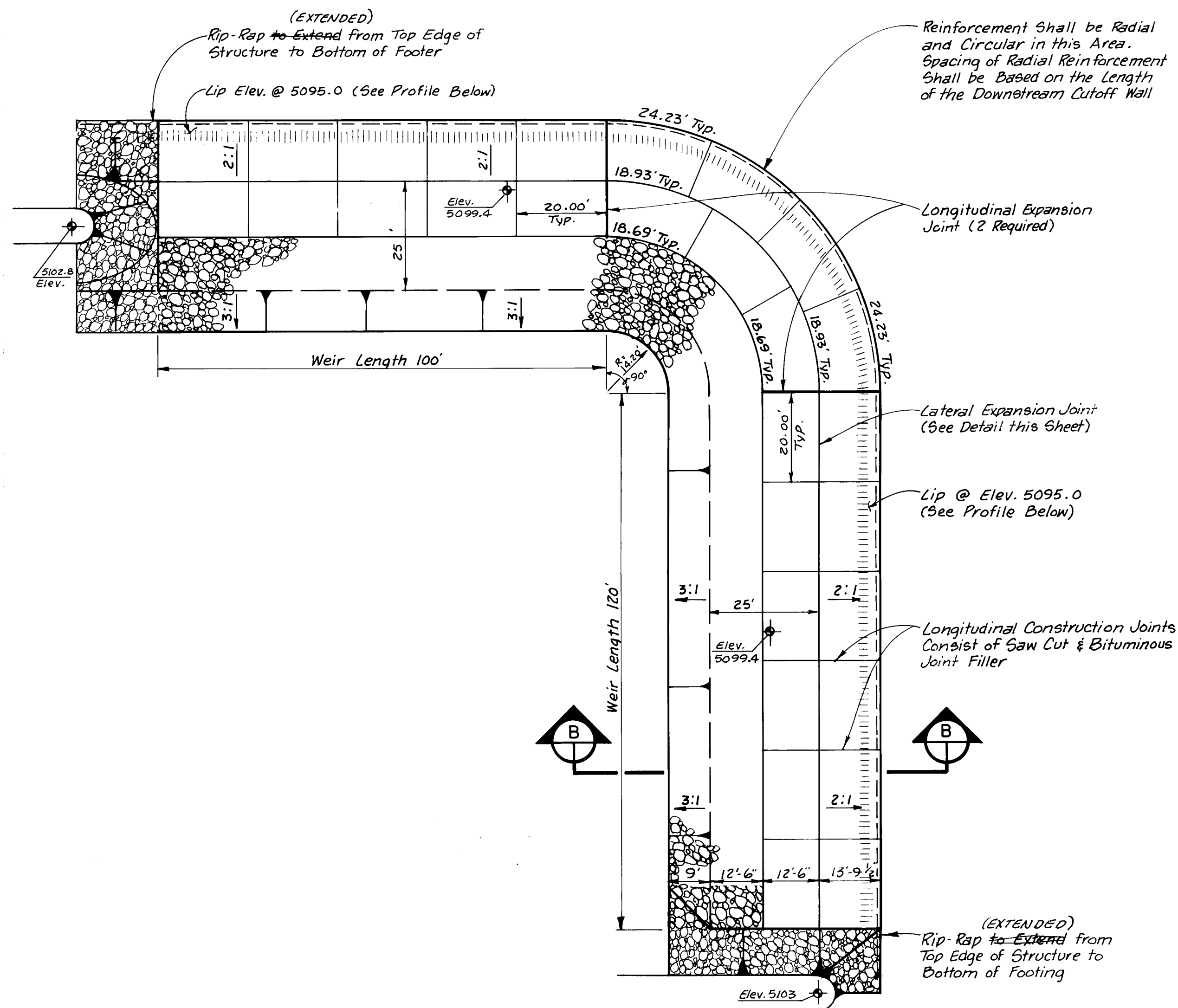


SECTION C-C
SCALE: 1" = 40' HORIZ.
1" = 5' VERT.

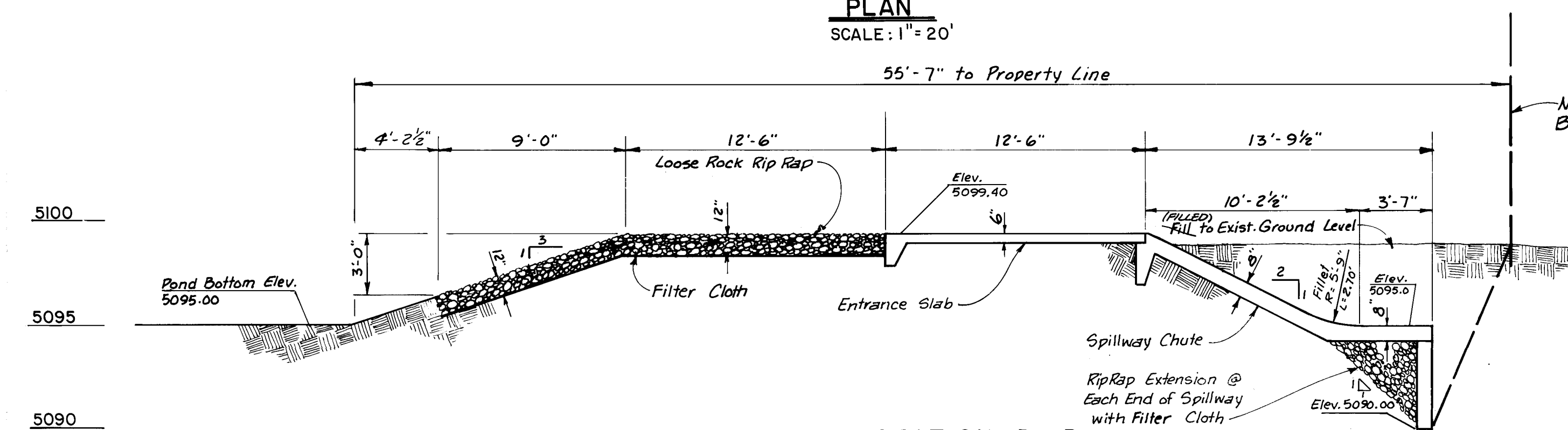
26 16581786

PLANS PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT			
TITLE: SAD-214 UNSER BOULEVARD TEMPORARY RETENTION POND DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>		Liquid Waste	NA <i>[Signature]</i>	1/4/04
A.C.E. - Design			Traffic	NA <i>[Signature]</i>	1/4/04
A.C.E. - Hydrology	<i>[Signature]</i>	1/4/04	Water	NA <i>[Signature]</i>	1/4/04
APPROVED FOR CONSTRUCTION <i>[Signature]</i> CITY ENGINEER DATE			DRAWING NO. 1658		
			SHEET 17 OF 23		

RECORD DRAWING

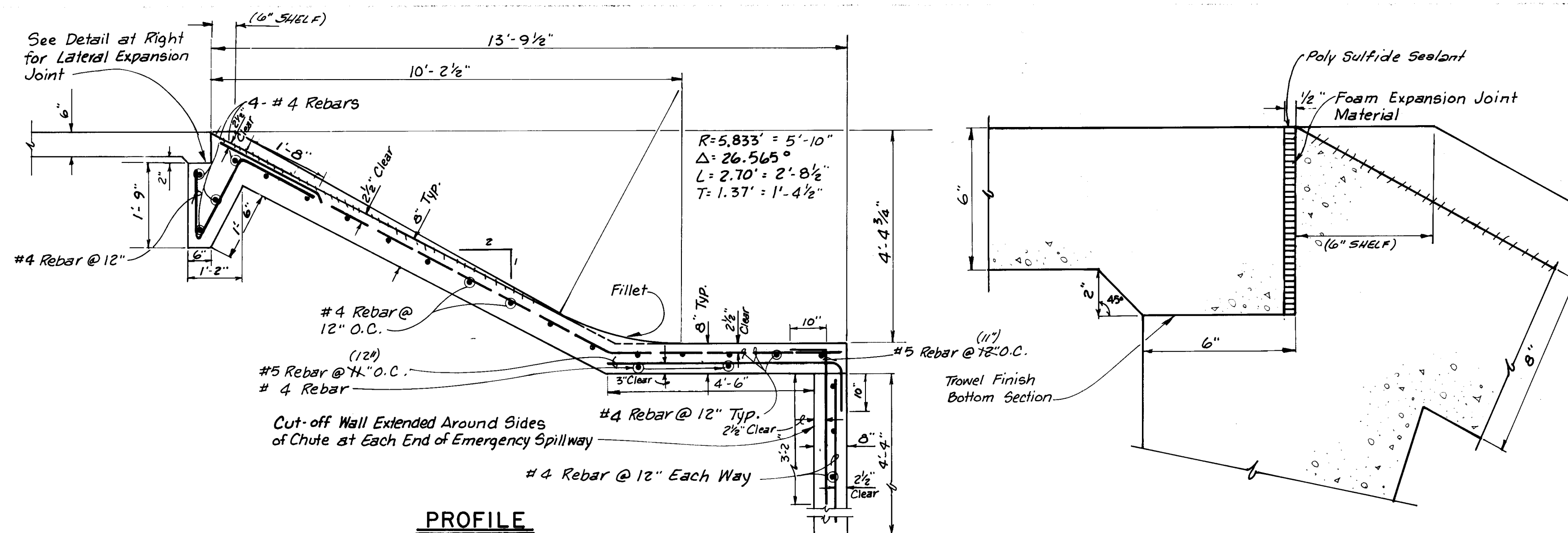


PLAN
SCALE: 1" = 20'



PROFILE AT SECTION B-B
SCALE: 1" = 5' HORIZ.
1" = 5' VERT.

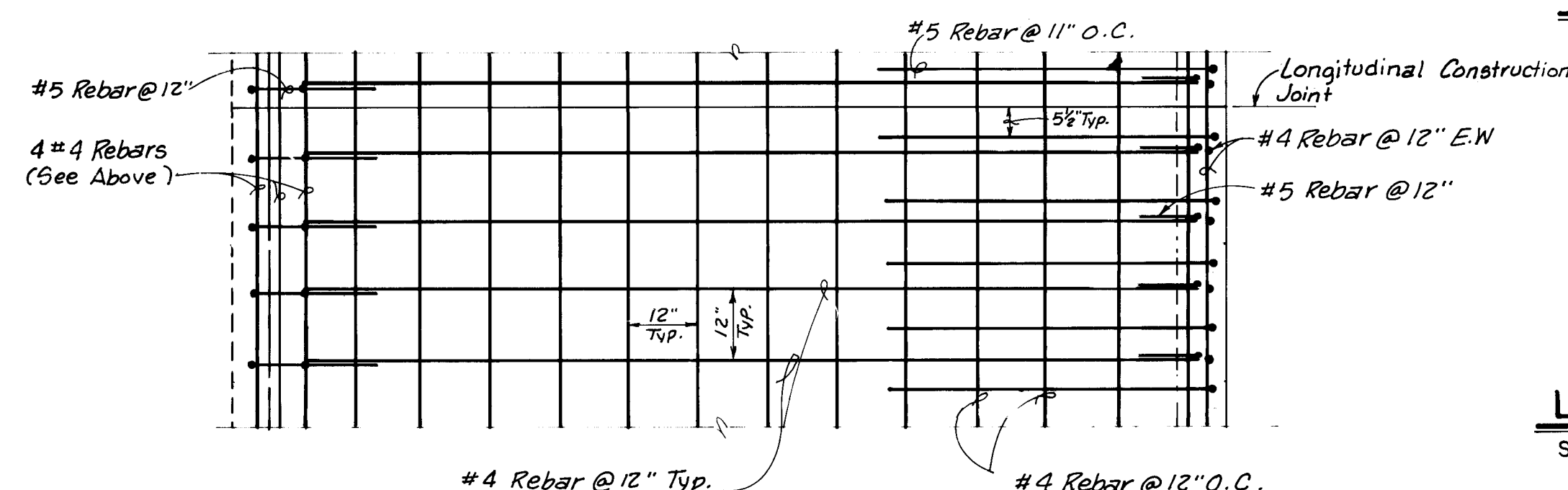
EMERGENCY SPILLWAY FOR TEMPORARY RETENTION POND



PROFILE

LATERAL EXPANSION JOINT DETAIL

SCALE: 3" = 1'-0"



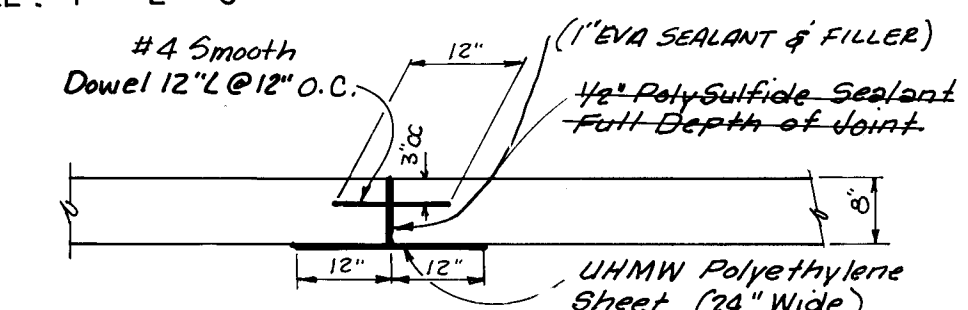
PLAN

EMERGENCY SPILLWAY CHUTE REINFORCEMENT

SCALE: 1" = 2'-0"

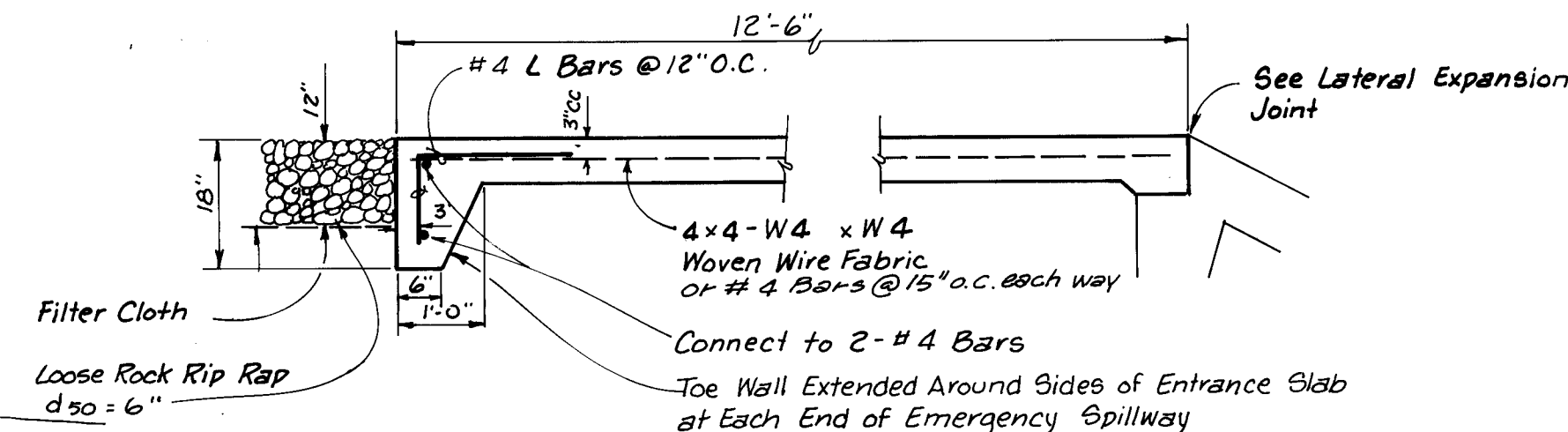
ENTRANCE SLAB LONGITUDINAL EXPANSION JOINT DETAIL

SCALE: 1" = 2'-0"



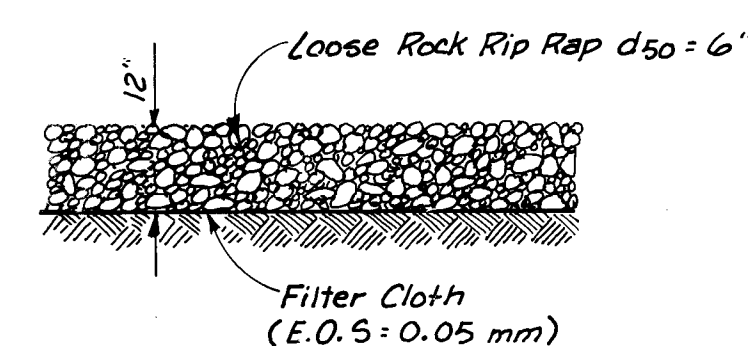
SPILLWAY CHUTE LONGITUDINAL EXPANSION JOINT DETAIL

SCALE: 1" = 2'-0"



ENTRANCE SLAB REINFORCEMENT

SCALE: 1" = 2'-0"



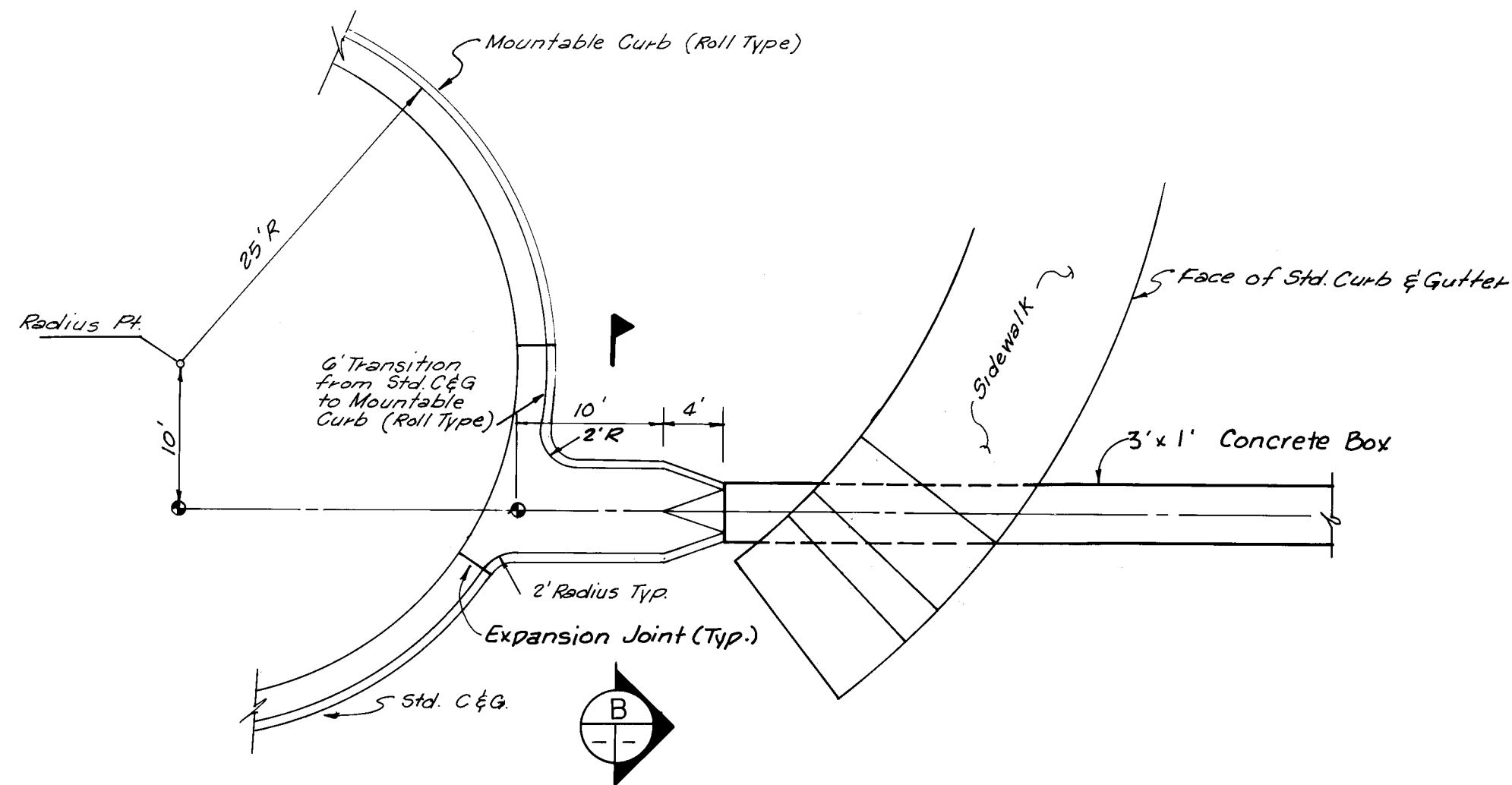
TYPICAL RIP RAP DETAIL

NOT TO SCALE (WES)
NOTE: Rip Rap shall be Material having Gradation with 50 % Size of the Material of 6" Average Least Dimension and No Stones Larger than 9" nor Smaller than 3".

RECORD DRAWING

CITY OF ALBUQUERQUE					
MUNICIPAL DEVELOPMENT DEPARTMENT					
TITLE: SAD-214 UNSER BOULEVARD TEMPORARY RETENTION POND DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>		Liquid Waste	NA <i>[Signature]</i>	1/4/84
A.C.E. - Design			Traffic	NA <i>[Signature]</i>	1/4/84
A.C.E. - Hydrology	<i>[Signature]</i>	1/4/84	Water	NA <i>[Signature]</i>	1/4/84
DRAWING NO.	1638		SHEET	18 OF 23	

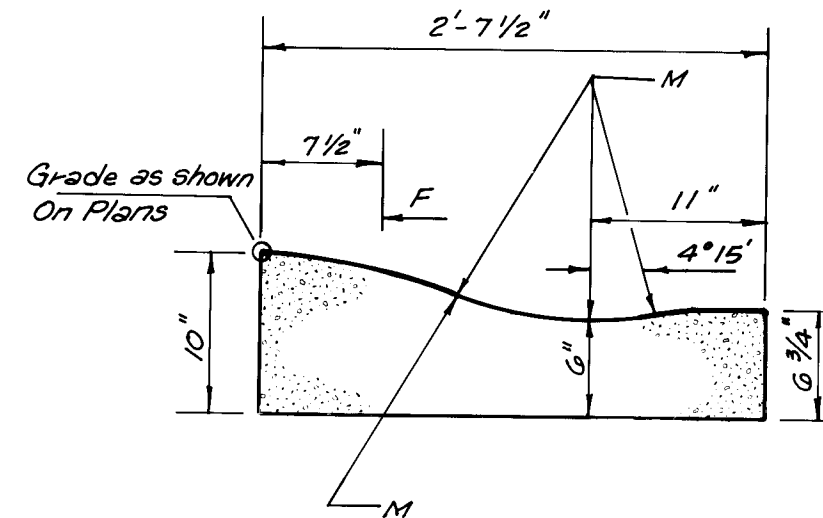
AS-BUILT INFORMATION			REVISIONS		
NO.	DATE	BY	NO.	DATE	BY
1	1/4/84	DBB	1	1/4/84	DBB
2	1/4/84	SGH	2	1/4/84	SGH
3	1/4/84	CA	3	1/4/84	CA



TYPICAL CONCRETE RUNDOWN ***

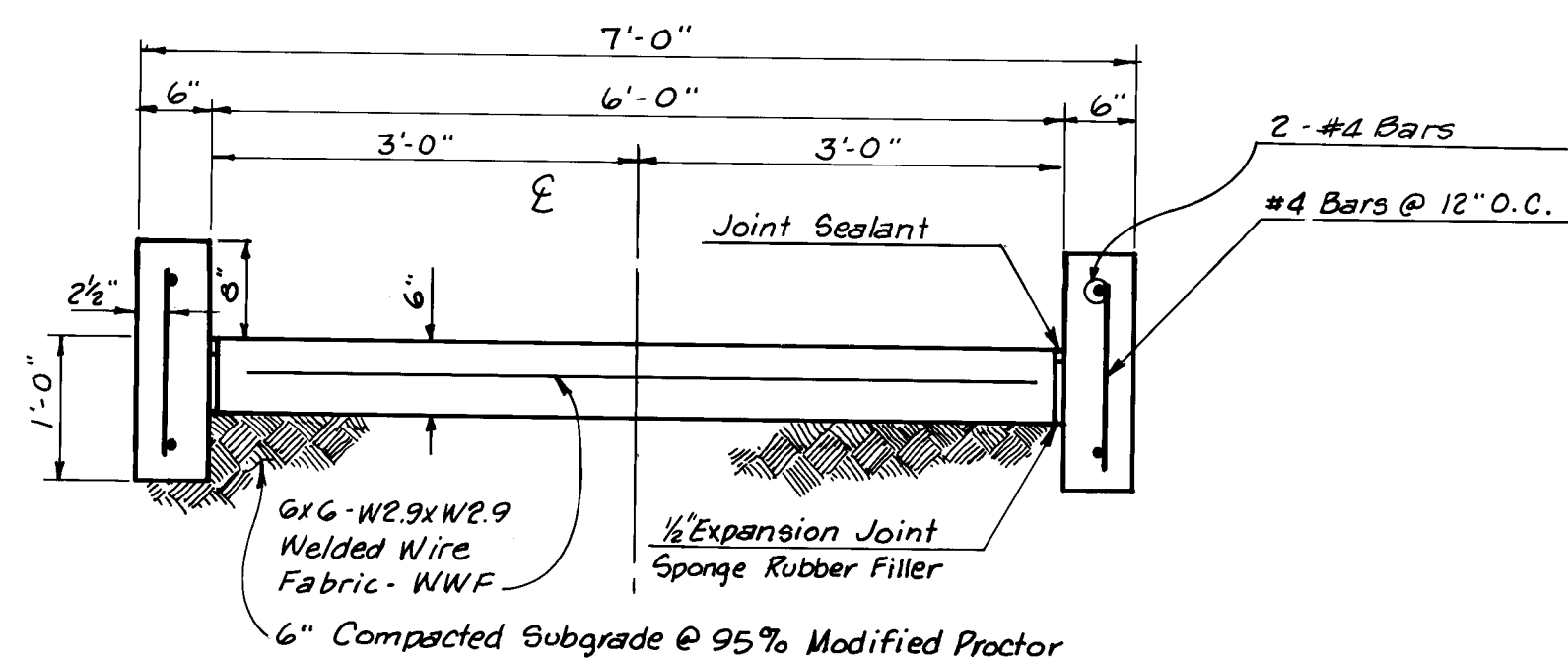
SCALE: 1" = 10'

*** Rundown Shown for Central/Unser West side. East side is opposite hand.



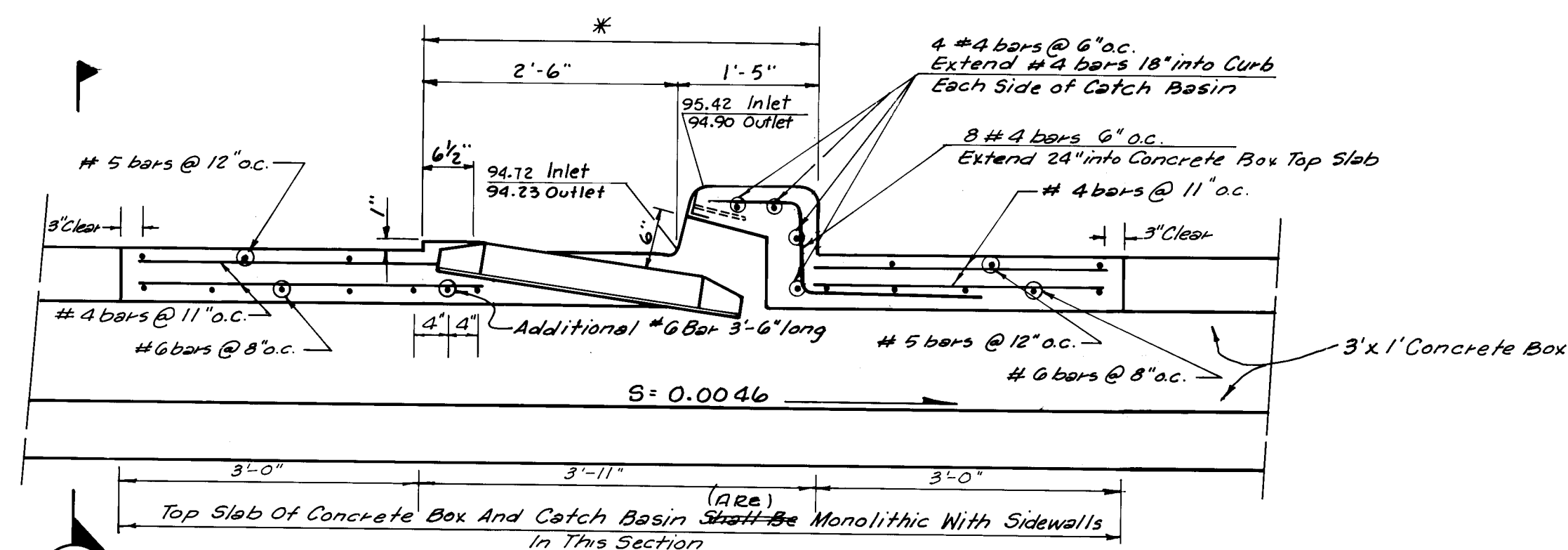
MOUNTABLE CURB ROLL TYPE

(See City Standard Detail Drawing P-8-3)



SECTION B-B

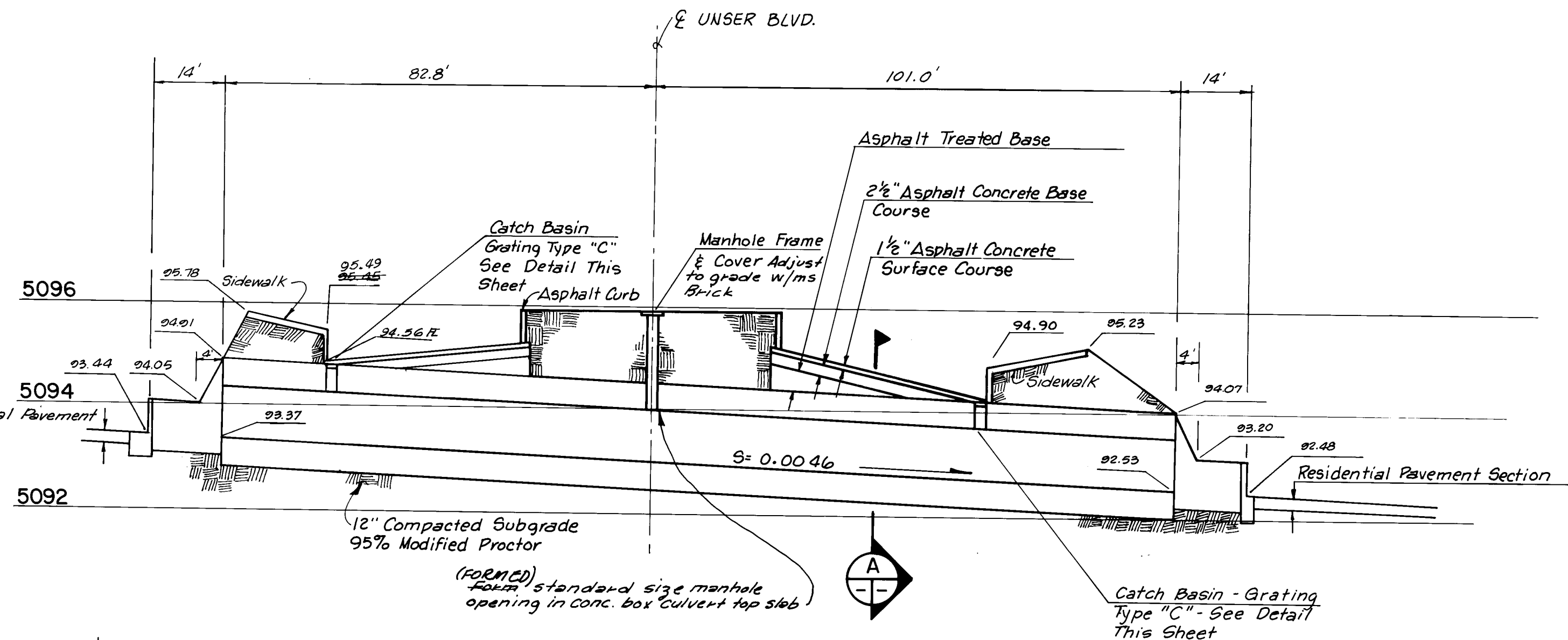
SCALE: 3/4" = 1'-0"



CATCH BASIN & GRATING DETAIL

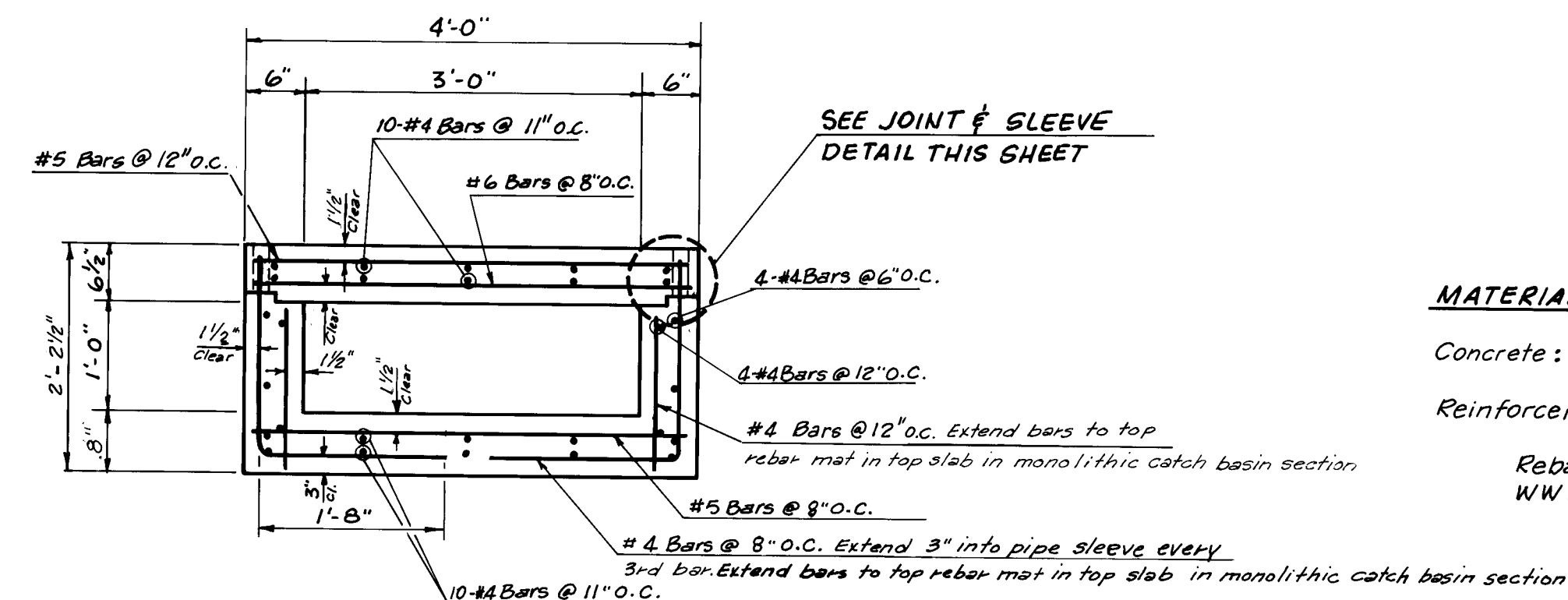
SCALE: 3/4" = 1'-0"

* Top of inlet dimensions and details including frame, grate and gutter transition shall conform to City Standard Detail Drawings K-4-2, K-7-1, and K-8-1. (CONFORMED)



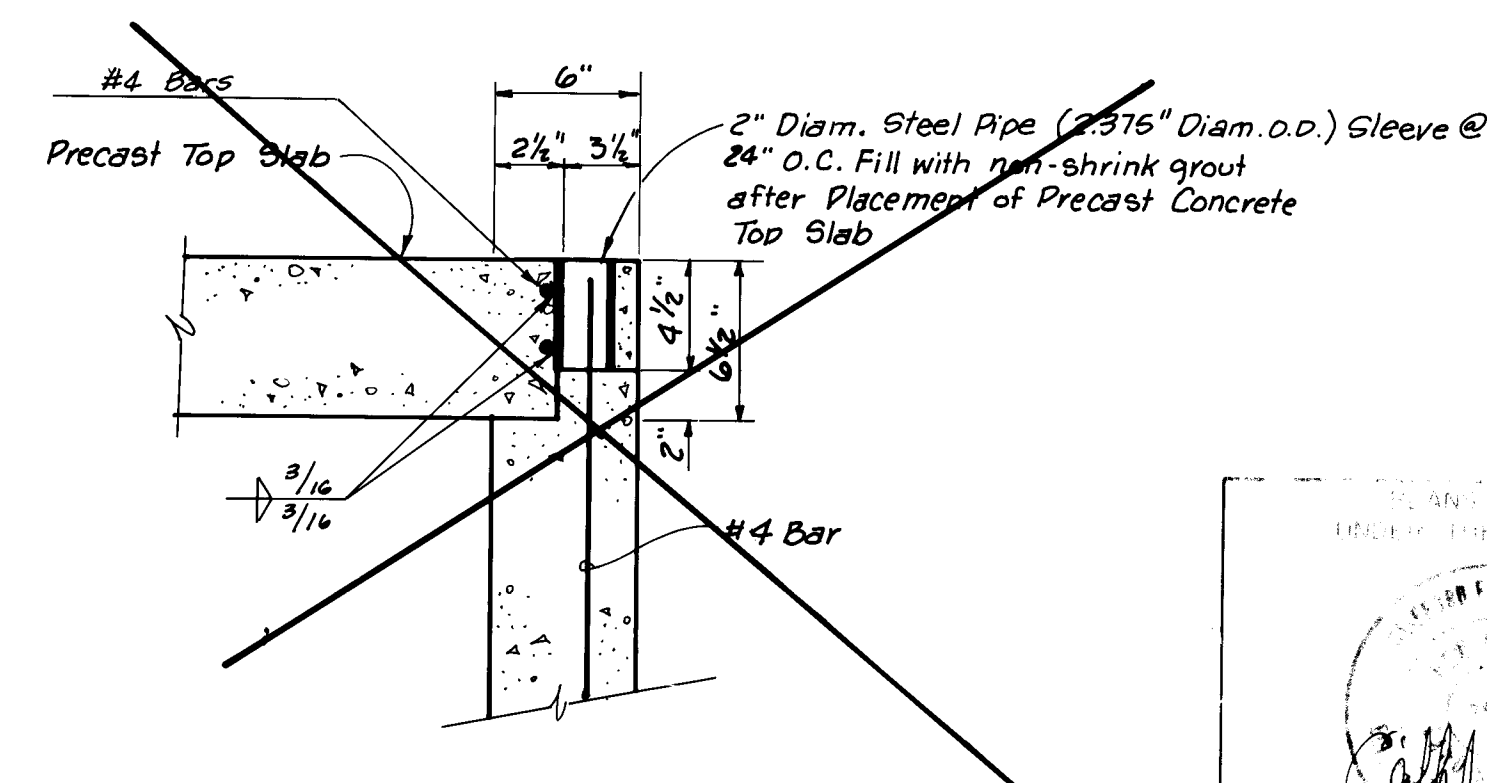
ROADWAY SECTION AT CONCRETE BOX

SCALE: 1" = 20' HORIZONTAL
1" = 2' VERTICAL



SECTION A-A

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

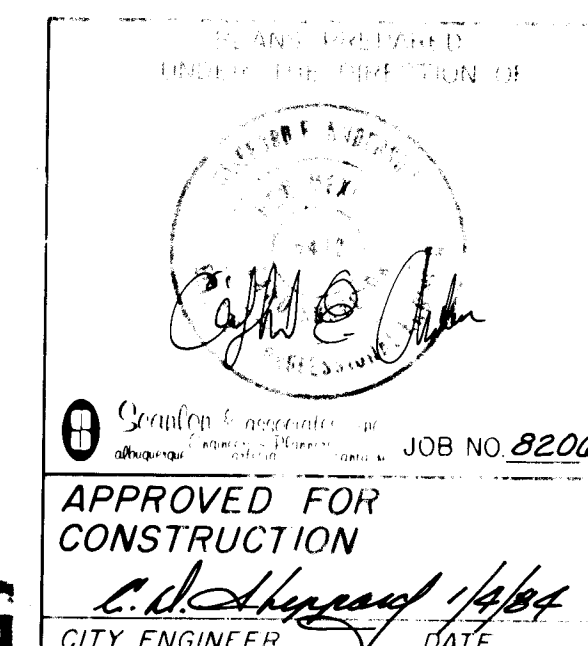


CONCRETE BOX - JOINT & SLEEVE DETAIL

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

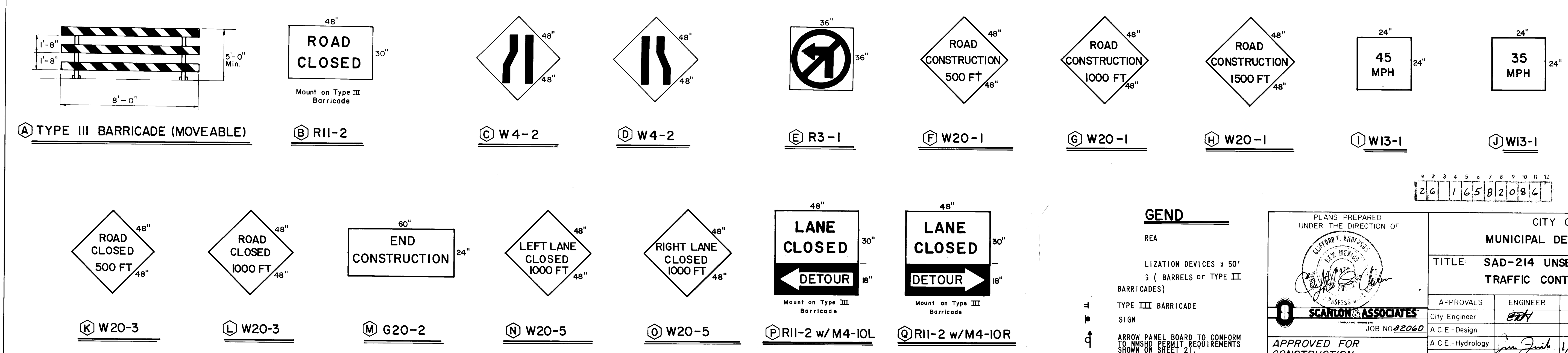
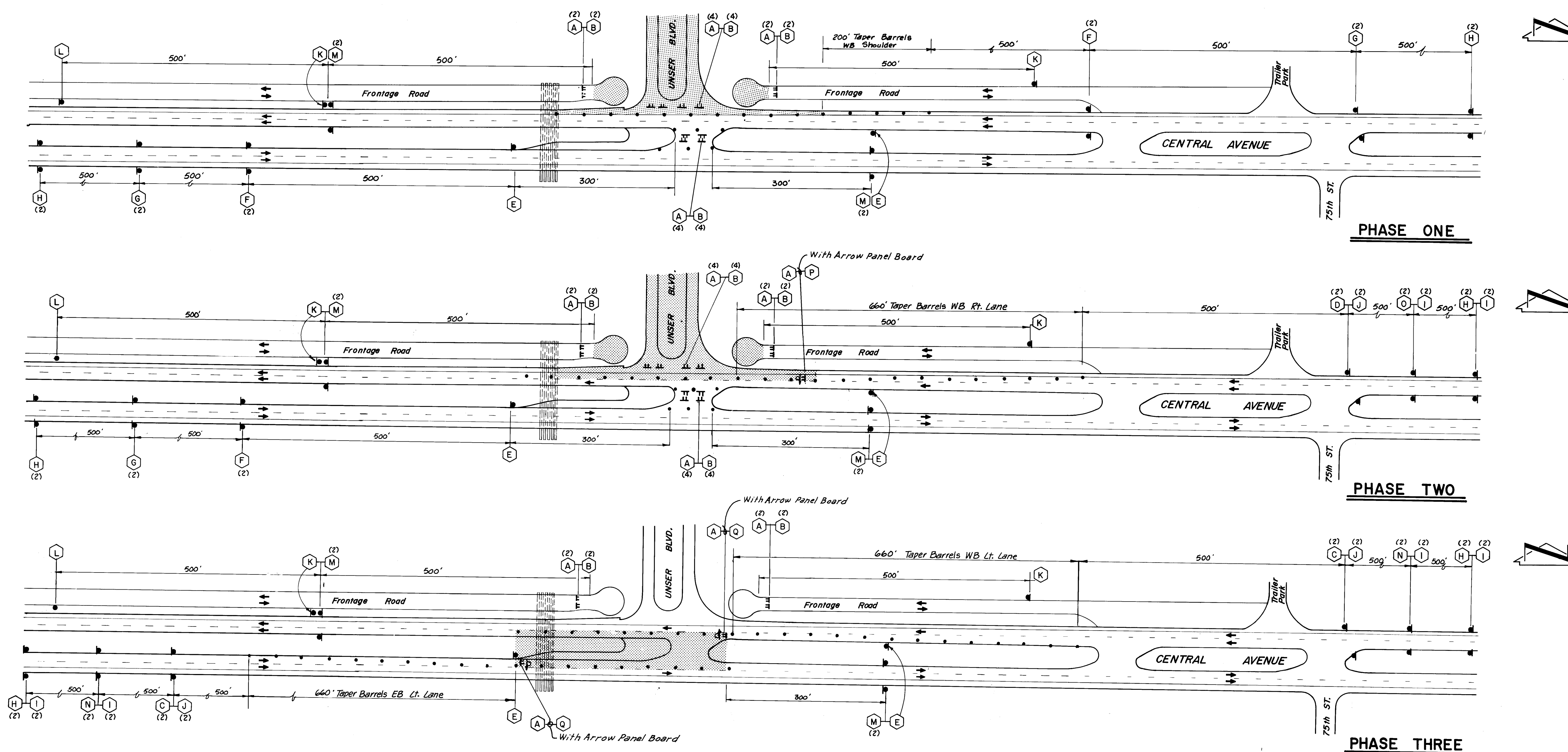
(This detail does not apply to monolithic catch basin section.)

(NOTE: RATHER THAN PRECAST CONCRETE TOP SLAB, CONTRACTOR ELECTED TO POUR TOP SLAB CONCRETE IN PLACE BY FILLING INSIDE OF 1'x3' C.B.C. WITH SAND & PLASTIC COVER & PLACING CONCRETE DIRECTLY ON SAND; THEN REMOVED SAND WHEN CONCRETE HAD GAINED SUFFICIENT STRENGTH. TOP SLAB CONCRETE BOUNDED TO EXPOSED WALL REBAR & DOWELS)



CITY OF ALBUQUERQUE					
MUNICIPAL DEVELOPMENT DEPARTMENT					
TITLE: SAD-214 UNSER BOULEVARD 1' X 3' CONCRETE BOX CULVERT					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[Signature]		Liquid Waste	NA [Signature]	1/4/84
A.C.E. - Design			Traffic	NA [Signature]	1/4/84
A.C.E. - Hydrology			Water	NA [Signature]	1/4/84
DRAWING NO.	1658		SHEET	19	OF 23

AS BUILT INFORMATION					
BY: Scanlon & Assoc. 1984					
DATE: 1/4/84					
REVISIONS					
NO.	DATE	REMARKS	BY	DATE	BY
1	1/4/84	DESIGN	NA [Signature]	1/4/84	NA [Signature]
2	1/4/84	CONSTRUCTION	NA [Signature]	1/4/84	NA [Signature]
3	1/4/84	AS BUILT	NA [Signature]	1/4/84	NA [Signature]



SIGN FACE DETAILS

RECORD DRAWING

AS BUILT INFORMATION CONTRACTOR: <i>Boice Const. Co., Inc.</i> DATE: <i>1984</i> WORK: <i>Scanlon & Assoc.</i> DATE: <i>1984</i> ACCEPTANCE BY: <i>Scanlon & Assoc.</i> DATE: <i>1984</i> MICRO-FILM INFORMATION RECORDED BY: <i>Scanlon & Assoc.</i> DATE: <i>1984</i>		BENCH MARKS NO. <i>1</i> DATE <i>1/1/84</i> NO. <i>2</i> DATE <i>1/1/84</i> NO. <i>3</i> DATE <i>1/1/84</i> NO. <i>4</i> DATE <i>1/1/84</i> NO. <i>5</i> DATE <i>1/1/84</i> NO. <i>6</i> DATE <i>1/1/84</i> NO. <i>7</i> DATE <i>1/1/84</i> NO. <i>8</i> DATE <i>1/1/84</i> NO. <i>9</i> DATE <i>1/1/84</i> NO. <i>10</i> DATE <i>1/1/84</i> NO. <i>11</i> DATE <i>1/1/84</i> NO. <i>12</i> DATE <i>1/1/84</i>	
SURVEY INFORMATION FIELD NOTES NO. <i>1</i> BY <i>Scanlon & Assoc.</i> NO. <i>2</i> BY <i>Scanlon & Assoc.</i> NO. <i>3</i> BY <i>Scanlon & Assoc.</i> NO. <i>4</i> BY <i>Scanlon & Assoc.</i> NO. <i>5</i> BY <i>Scanlon & Assoc.</i> NO. <i>6</i> BY <i>Scanlon & Assoc.</i> NO. <i>7</i> BY <i>Scanlon & Assoc.</i> NO. <i>8</i> BY <i>Scanlon & Assoc.</i> NO. <i>9</i> BY <i>Scanlon & Assoc.</i> NO. <i>10</i> BY <i>Scanlon & Assoc.</i> NO. <i>11</i> BY <i>Scanlon & Assoc.</i> NO. <i>12</i> BY <i>Scanlon & Assoc.</i>		REFERENCES MAP NO. <i>1</i> EST NO. <i>1</i> W/O NO. <i>1</i> NO. <i>1</i> BY <i>Scanlon & Assoc.</i> NO. <i>2</i> BY <i>Scanlon & Assoc.</i> NO. <i>3</i> BY <i>Scanlon & Assoc.</i> NO. <i>4</i> BY <i>Scanlon & Assoc.</i> NO. <i>5</i> BY <i>Scanlon & Assoc.</i> NO. <i>6</i> BY <i>Scanlon & Assoc.</i> NO. <i>7</i> BY <i>Scanlon & Assoc.</i> NO. <i>8</i> BY <i>Scanlon & Assoc.</i> NO. <i>9</i> BY <i>Scanlon & Assoc.</i> NO. <i>10</i> BY <i>Scanlon & Assoc.</i> NO. <i>11</i> BY <i>Scanlon & Assoc.</i> NO. <i>12</i> BY <i>Scanlon & Assoc.</i>	
REVISIONS NO. <i>1</i> DATE <i>1/1/84</i> BY <i>Scanlon & Assoc.</i> NO. <i>2</i> DATE <i>1/1/84</i> BY <i>Scanlon & Assoc.</i> NO. <i>3</i> DATE <i>1/1/84</i> BY <i>Scanlon & Assoc.</i> NO. <i>4</i> DATE <i>1/1/84</i> BY <i>Scanlon & Assoc.</i> NO. <i>5</i> DATE <i>1/1/84</i> BY <i>Scanlon & Assoc.</i> NO. <i>6</i> DATE <i>1/1/84</i> BY <i>Scanlon & Assoc.</i> NO. <i>7</i> DATE <i>1/1/84</i> BY <i>Scanlon & Assoc.</i> NO. <i>8</i> DATE <i>1/1/84</i> BY <i>Scanlon & Assoc.</i> NO. <i>9</i> DATE <i>1/1/84</i> BY <i>Scanlon & Assoc.</i> NO. <i>10</i> DATE <i>1/1/84</i> BY <i>Scanlon & Assoc.</i> NO. <i>11</i> DATE <i>1/1/84</i> BY <i>Scanlon & Assoc.</i> NO. <i>12</i> DATE <i>1/1/84</i> BY <i>Scanlon & Assoc.</i>		DESIGN DESIGNED BY <i>CWT</i> DATE <i>12-83</i> DRAWN BY <i>SGH</i> DATE <i>12-83</i> CHECKED BY <i>CWT</i> DATE <i>12-83</i>	
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TITLE: SAD-214 UNSER BOULEVARD TRAFFIC CONTROL PLAN APPROVALS: <i>Scanlon & Associates</i> JOB NO. <i>822060</i> CITY ENGINEER: <i>Scanlon & Associates</i> A.C.E.-Design: <i>Scanlon & Associates</i> A.C.E.-Hydrology: <i>Scanlon & Associates</i> DATE: <i>1/1/84</i> DRAWING NO. 1658 SHEET 20 OF 23			

GENERAL NOTES FOR TRAFFIC CONTROL

1. All traffic control devices shall comply with chapter VI of the 1978 edition "Manual for Uniform Traffic Control Devices".
2. The contractor shall prepare and submit to the Project Engineer a detailed detour plan, which is subject to the approval of the City Traffic Engineer, 3 working days in advance of any required lane closures other than those shown on these plans.
3. All signs must be installed before construction begins as directed by the Engineer. The bottom of construction warning signs shall be 7-feet above the sidewalk level.
4. All signs, barricades and/or barrels will be reflectorized. All barrels may have sand or water ballast limited to 100 lbs.
5. All sign locations will be selected in the field and approved by the Project Engineer. Distances may be adjusted for local conditions.
6. All signs will be ground mounted on single or double posts. Existing posts may be used at some locations, with the approval of the Project Engineer. Portable sign supports will be acceptable as an alternate for signs which are in place less than 1 week.
7. All signs will be moved forward as the construction progresses.
8. The contractor shall maintain access to businesses and residences adjacent to the construction area.
9. When barriers are required after dark, all advance warning signs and all barricades shall be equipped with flashing warning lights (type A), except that all channelizing barricades shall have steady burning warning lights (type C).
10. All existing regulatory signs that need to be removed, relocated or reinstalled shall be done by the City of Albuquerque Traffic Engineering Division. The contractor shall notify the Traffic Engineering Division 3 working days in advance of any required work.
11. The contractor shall provide and maintain a safe and adequate means of channeling pedestrian traffic around all work areas throughout the period of construction. All such channelization shall be arranged to prevent pedestrians from having to enter the roadway in order to pass around the work areas.
12. All construction signing shall be black on a reflectorized orange field unless otherwise specified. All construction barricades and channelization devices shall be orange on white, reflectorized, unless otherwise specified.
13. All advance warning signs not directly applicable shall be removed, covered, or turned away from oncoming traffic.
14. A minimum width of 11 feet shall be provided for traffic in one direction.
15. All advance warning signs shall be 48" x 48" minimum.
16. The contractor shall be required to keep the public informed, through the local news media, of construction operations involving street or lane closures.
17. Equipment and materials are not to be stored within the street right-of-way during non-working hours.
18. Excavations must be placed or patched prior to opening to traffic.

SEQUENCE OF CONSTRUCTION

1. Exploratory trenching to locate existing utilities in the intersection of Unser Boulevard and Central Avenue shall be completed prior to beginning any lane closures on Central Avenue.
2. PHASE ONE: Construct Unser Boulevard north of Central Avenue. Median opening on Central Avenue and Frontage Road may be closed to traffic at this time. Construction shall be limited to the north edge of the Central Avenue westbound paved shoulder. Contractor shall maintain two lanes for eastbound and two lanes for westbound Central Avenue traffic at all times.
3. PHASE TWO: As the work progresses, the Contractor may continue his operations southward by closing the right hand westbound lane on Central Avenue. The Contractor shall maintain two lanes for eastbound and one lane for westbound Central Avenue traffic at all times.
4. PHASE THREE: When the paving is completed in the right hand westbound lane on Central Avenue, the Contractor may close the left hand westbound and left hand eastbound lanes on Central Avenue to complete the intersection paving and median construction. The Contractor shall maintain one lane for eastbound and one lane for westbound Central Avenue traffic at all times.
5. PHASE FOUR: The Contractor may complete the installation of the 12" waterline by closing the right hand eastbound lane on Central Avenue when the intersection paving and median construction is completed. The closure of the right hand eastbound lane on Central Avenue shall be accomplished by traffic control similar to that shown on the plans for the Phase Two westbound right hand lane closure.

NEW MEXICO STATE HIGHWAY DEPARTMENT PERMIT REQUIREMENTS*

1. Contractor shall comply with the provisions of NMSHD Permit No. 311602 including the following special provisions:
 - A. All work performed on State Right-of-Way shall meet the Standard Specifications for Road and Bridge Construction (Edition of 1976).
 - B. Traffic Control shall be in accordance with Manual on Uniform Traffic Control Devices for Streets and Highways as shown on plan sheet 20 and will be supplemented with arrow panel boards on lane closures.
 - C. All materials used within the State Right-of-Way shall be tested by a private testing laboratory and copies of the test reports submitted to the District Highway Engineer.
 - D. The State Right-of-Way must be restored to its original condition or better.
 - E. NMSHD District Office will make a final inspection after the project has been completed.

* APPLIES TO CONSTRUCTION ON CENTRAL AVENUE ONLY.

RECORD DRAWING

MUNICIPAL DEVELOPMENT DEPARTMENT
SAD-214 UNSER BOULEVARD
TRAFFIC CONTROL NOTES

1658

Boice Const. Co., Inc.
Scanlon & Assoc.
1984

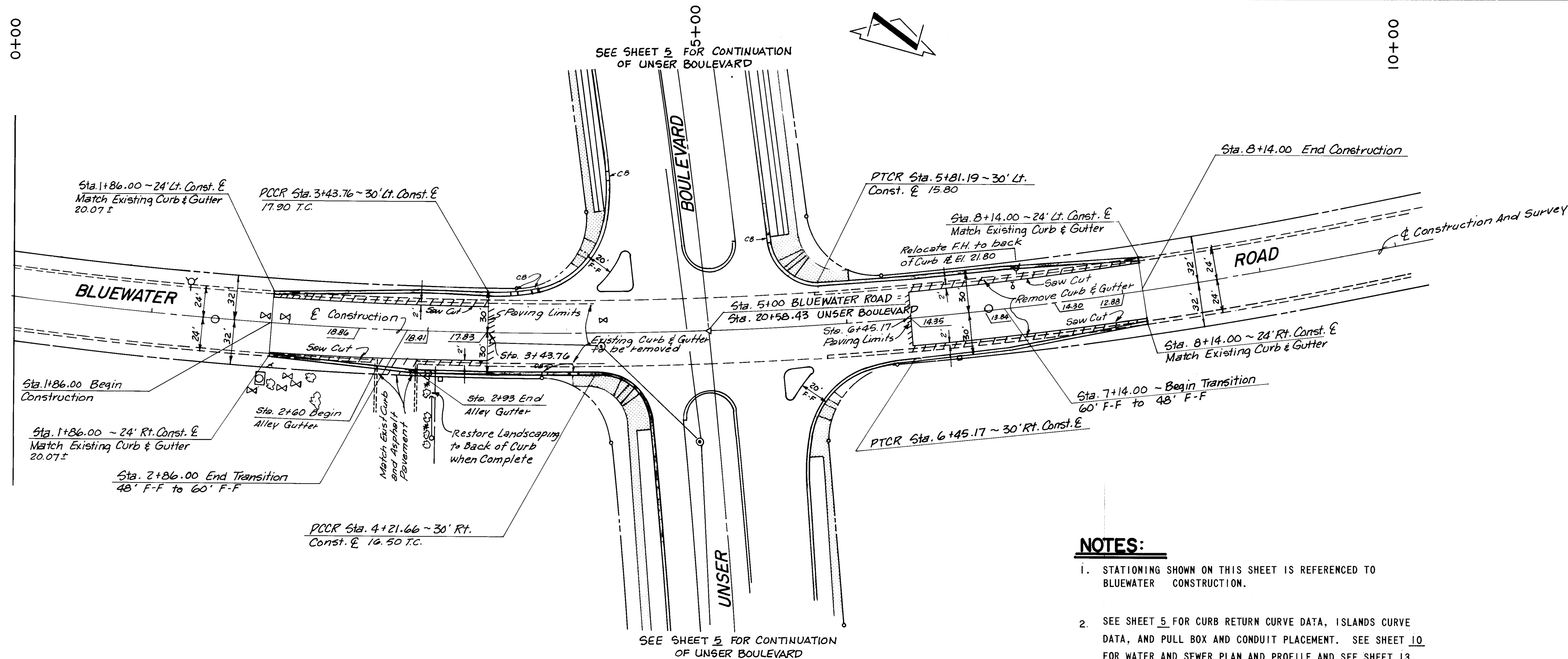
Scanlon & Assoc.
1984

NA Jones 1/4/84
TW Kennedy 1/4/84
NA Jones 1/4/84

21 23

PLAN	DATE	BY
SURVEYED		
NOTED		
PLOTTED		
RT. OF WAY CHECKED		
NO.		

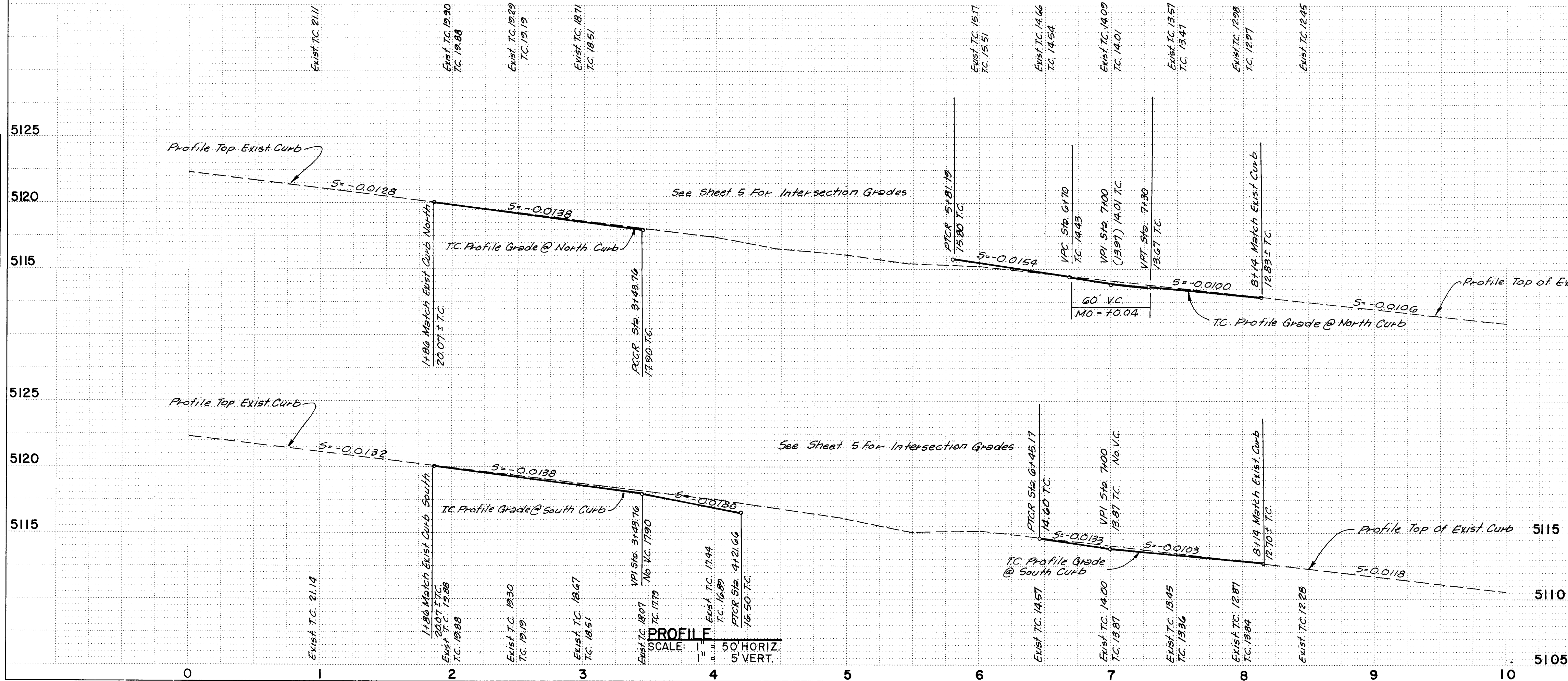
PROFILE	DATE	BY
SURVEYED		
NOTED		
PLOTTED		
STRUCTURE NOTATIONS CHKD		
NO.		



NOTES:

- STATIONING SHOWN ON THIS SHEET IS REFERENCED TO BLUEWATER CONSTRUCTION.
- SEE SHEET 5 FOR CURB RETURN CURVE DATA, ISLANDS CURVE DATA, AND PULL BOX AND CONDUIT PLACEMENT. SEE SHEET 10 FOR WATER AND SEWER PLAN AND PROFILE AND SEE SHEET 13 FOR STORM DRAIN PLAN AND PROFILE.
- SAW CUT OR BLADE CUT EXISTING ASPHALT PAVEMENT 2' FROM LIP OF GUTTER WHERE INDICATED

PLAN
SCALE: 1" = 50'



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

RECORD DRAWING

PLANS PREPARED UNDER THE DIRECTION OF		CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT	
APPROVED FOR CONSTRUCTION		TITLE: PAVING DETAILS - BLUEWATER / UNSER	
CITY ENGINEER	ENGINEER	DATE	DATE
A.C.E. - Design	A.C.E. - Hydrology	1/4/84	1/4/84
DRAWING NO. 1658		SHEET 23 OF 23	

REFERENCES	SURVEY INFORMATION	BENCH MARKS	AS BUILT INFORMATION
MAP NO. K-10 EST. NO.	FIELD NOTES NO.	TBM GIN Gear on North Side of Power Pole 142' Left Sta. 1+42 - Elev. 5104.139	CONTRACTOR: Bruce Const. Co. Inc. WORKED BY: Scanlon f. Assoc. ACCEPTANCE BY: DATE: 1/4/84
NO.	DATE	REMARKS	DATE
		DESIGN	
DESIGNED BY: C.W.T.	DATE: 12-83		
DRAWN BY: D.H.W./P.G.	DATE: 12-83		
CHECKED BY: C.E.A.	DATE: 12-83		