

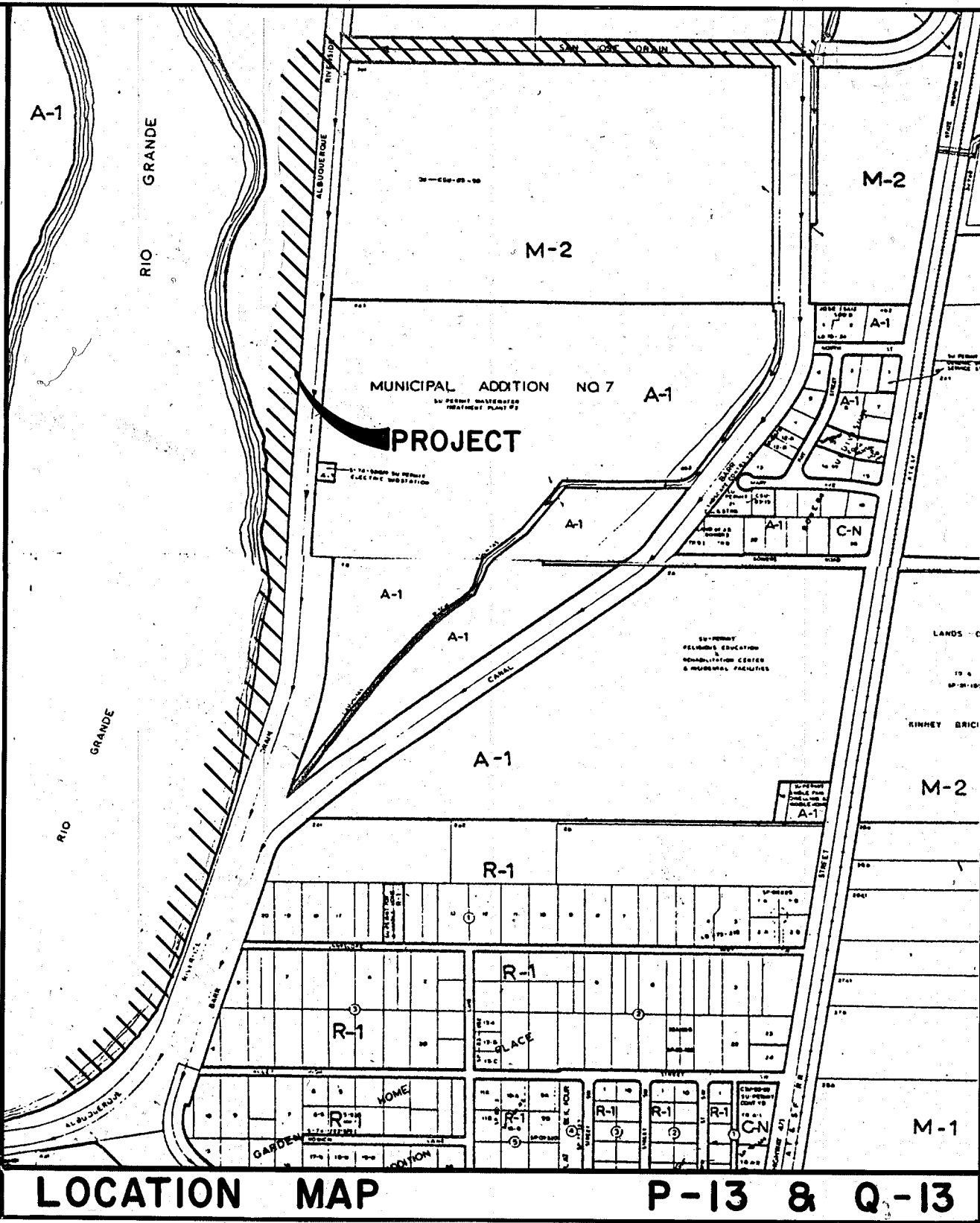
CITY OF ALBUQUERQUE, NEW MEXICO
PUBLIC WORKS DEPARTMENT

SAN JOSE DRAIN OUTFALL
TO THE RIO GRANDE
PROJECT NO. 4060

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	OVERALL LAYOUT SHEET
3 - 10	CHANNEL PLAN & PROFILE SHEETS
11	CHANNEL & SECTION DETAILS
12	RIVERSIDE DRAIN CROSSING STRUCTURE
13 - 19	STRUCTURAL SECTIONS & DETAILS
20 - 34	CHANNEL CROSS SECTIONS

B-19 Structural Sections & Details
20-34 CHANNEL CROSS SECTIONS



NOTES:
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 C.O.A. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 1986 EDITION (REFERRED TO HEREIN AS THE STANDARD SPECIFICATIONS).
TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 260-1990, FOR LOCATION OF EXISTING 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 SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.

APPROVAL OF AS BUILT DRAWINGS
CHIEF CONSTRUCTION ENGINEER
Robert Montoya
DATE 8-11-91
information only



RECORD DRAWING
DATE _____

All As-Built information provided by Albuquerque Underground, Inc.

12	<i>Robert Montoya</i>	10/21/91	<i>Robert Montoya</i>	10-21-91		
11, 12, 14, 16, 17, 18	<i>Robert Montoya</i>	10/23/91	<i>Robert Montoya</i>	10-23-91	N/A	
REV SHEETS	CITY ENGINEER	DATE	USER DEPT.	DATE	USER DEPT.	DATE

APPROVED FOR CONSTRUCTION
Robert Montoya
10-22-91

PROJECT No. 4060

SHEET 1 OF 34

GENERAL NOTES:

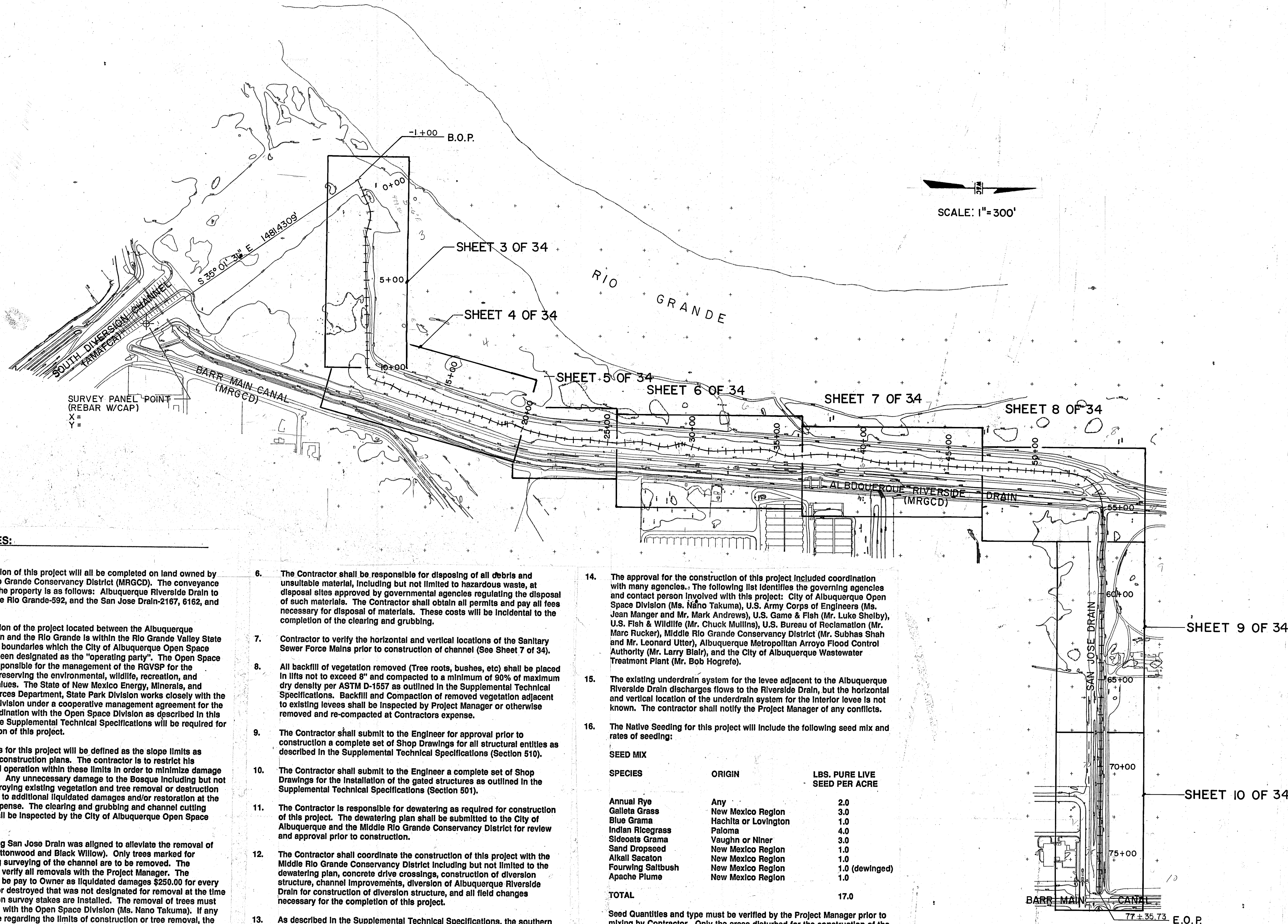
- The construction of this project will all be completed on land owned by the Middle Rio Grande Conservancy District (MRGCD). The conveyance numbers for the property is as follows: Albuquerque Riverside Drain to the edge of the Rio Grande-592, and the San Jose Drain-2167, 6162, and 6164.
- The construction of the project located between the Albuquerque Riverside Drain and the Rio Grande is within the Rio Grande Valley State Park (RGVSP) boundaries which the City of Albuquerque Open Space Division has been designated as the "operating party". The Open Space Division is responsible for the management of the RGVSP for the purposes of preserving the environmental, wildlife, recreation, and educational values. The State of New Mexico Energy, Minerals, and Natural Resources Department, State Park Division works closely with the Open Space Division under a cooperative management agreement for the RGVSP. Coordination with the Open Space Division as described in this section and the Supplemental Technical Specifications will be required for the construction of this project.
- The limits lines for this project will be defined as the slope limits as shown on the construction plans. The contractor is to restrict his equipment and operation within these limits in order to minimize damage to the Bosque. Any unnecessary damage to the Bosque including but not limited to destroying existing vegetation and tree removal or destruction will be subject to additional liquidated damages and/or restoration at the contractors expense. The clearing and grubbing and channel cutting operations shall be inspected by the City of Albuquerque Open Space Division.
- The meandering San Jose Drain was aligned to alleviate the removal of large trees (Cottonwood and Black Willow). Only trees marked for removal during surveying of the channel are to be removed. The Contractor will verify all removals with the Project Manager. The Contractor will be pay to Owner as liquidated damages \$250.00 for every tree removed or destroyed that was not designated for removal at the time the construction survey stakes are installed. The removal of trees must be coordinated with the Open Space Division (Ms. Nano Takuma). If any questions arise regarding the limits of construction or tree removal, the Contractor is to notify the Project Manager immediately for a decision. There will be no additional payment for delays while coordinating the tree removal.
- All debris and unsuitable material acquired during the Clearing and Grubbing and channel cutting operations will be hauled offsite at the time it is removed. The contractor will not be allowed to stockpile the material in the San Jose Drain channel or in the Bosque area.

- The Contractor shall be responsible for disposing of all debris and unsuitable material, including but not limited to hazardous waste, at disposal sites approved by governmental agencies regulating the disposal of such materials. The Contractor shall obtain all permits and pay all fees necessary for disposal of materials. These costs will be incidental to the completion of the clearing and grubbing.
- Contractor to verify the horizontal and vertical locations of the Sanitary Sewer Force Mains prior to construction of channel (See Sheet 7 of 34).
- All backfill of vegetation removed (Tree roots, bushes, etc) shall be placed in lifts not to exceed 8" and compacted to a minimum of 90% of maximum dry density per ASTM D-1557 as outlined in the Supplemental Technical Specifications. Backfill and Compaction of removed vegetation adjacent to existing levees shall be inspected by Project Manager or otherwise removed and re-compacted at Contractors expense.
- The Contractor shall submit to the Engineer for approval prior to construction a complete set of Shop Drawings for all structural entities as described in the Supplemental Technical Specifications (Section 510).
- The Contractor shall submit to the Engineer a complete set of Shop Drawings for the installation of the gated structures as outlined in the Supplemental Technical Specifications (Section 501).
- The Contractor is responsible for dewatering as required for construction of this project. The dewatering plan shall be submitted to the City of Albuquerque and the Middle Rio Grande Conservancy District for review and approval prior to construction.
- The Contractor shall coordinate the construction of this project with the Middle Rio Grande Conservancy District including but not limited to the dewatering plan, concrete drive crossings, construction of diversion structure, channel improvements, diversion of Albuquerque Riverside Drain for construction of diversion structure, and all field changes necessary for the completion of this project.

- As described in the Supplemental Technical Specifications, the southern portion of the San Jose Drain from Station 55+00 to Station 77+35.73 is to remain as existing. Some clearing and grubbing of vegetation will be required, but no trees will be removed unless approved by the Project Manager upon contacting the Middle Rio Grande Conservancy District (Mr. Leonard Utter), the City of Albuquerque Open Space Division (Ms. Nano Takuma), and the Bureau of Reclamation (Mr. Marc Rucker).

14. The approval for the construction of this project included coordination with many agencies. The following list identifies the governing agencies and contact person involved with this project: City of Albuquerque Open Space Division (Ms. Nano Takuma), U.S. Army Corps of Engineers (Ms. Jean Manger and Mr. Mark Andrews), U.S. Game & Fish (Mr. Luke Shelby), U.S. Fish & Wildlife (Mr. Chuck Mullins), U.S. Bureau of Reclamation (Mr. Marc Rucker), Middle Rio Grande Conservancy District (Mr. Subhas Shah and Mr. Leonard Utter), Albuquerque Metropolitan Arroyo Flood Control Authority (Mr. Larry Blair), and the City of Albuquerque Wastewater Treatment Plant (Mr. Bob Hogrefe).		
15. The existing underdrain system for the levee adjacent to the Albuquerque Riverside Drain discharges flows to the Riverside Drain, but the horizontal and vertical location of the underdrain system for the interior levee is not known. The contractor shall notify the Project Manager of any conflicts.		
16. The Native Seeding for this project will include the following seed mix and rates of seeding:		
SEED MIX		
SPECIES	ORIGIN	LBS. PURE LIVE SEED PER ACRE
Annual Rye	Any	2.0
Galleta Grass	New Mexico Region	3.0
Blue Grama	Hachita or Lovington	1.0
Indian Ricegrass	Paloma	4.0
Sideoats Grama	Vaughn or Niner	3.0
Sand Dropseed	New Mexico Region	1.0
Alkali Sacaton	New Mexico Region	1.0
Fourwing Saltbush	New Mexico Region	1.0 (dewinged)
Apache Plume	New Mexico Region	1.0
TOTAL		17.0

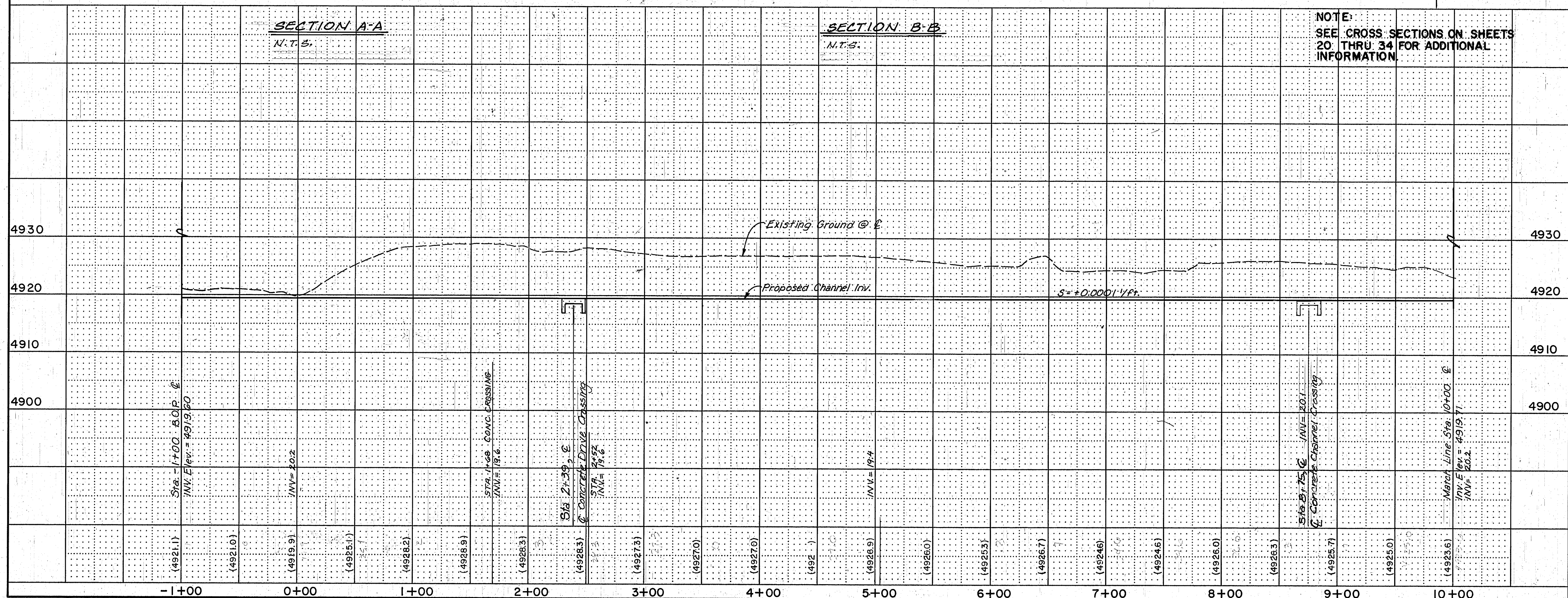
Seed Quantities and type must be verified by the Project Manager prior to mixing by Contractor. Only the areas disturbed for the construction of the Albuquerque Riverside Drain Diversion Structure from Station 51+00 to Station 55+50 will be seeded and mulched (See Plan Sheet 11 of 34). The earthen channel from Station 1+00 to Station 51+00 and from Station 55+50 to Station 77+35.73 will not be seeded and mulched. All Native Seeding will be Class A as specified in the City of Albuquerque Standard Specifications.



RECORD DRAWING
DATE _____

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE					
OVERALL LAYOUT SHEET					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	10/22/91	Water	<i>[Signature]</i>	10/17/91
Transportation	<i>[Signature]</i>	10-17-91	Waste Water	<i>[Signature]</i>	
Hydrology	<i>[Signature]</i>	10-17-91			
DRAWING NO.	4060	MAP NO.	PQ-13	SHEET	2 OF 34
WILSON & COMPANY					

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		BM No. 4-Q13, A CORP OF ENGINEER BRASS		CONTRACTOR: <i>[Signature]</i>	
		BY		CAP IN CONCRETE STAMPED "4957.368"		WORK STARTED BY: <i>[Signature]</i>	
		NO.		LOCATED AT THE NORTHWEST CORNER OF THE BRIDGE AT THE RAILROAD TRACKS AND THE DIVERSION CHANNEL AT SECOND STREET, SW. ELEVATION 4957.368		ACCEPTANCE BY: <i>[Signature]</i> DATE: 10/22/91	
REVISIONS		DATE		DATE		DATE	
DESIGN		DATE 4/91		DATE 4/91		DATE 4/91	
NO. DATE		BY		DATE		DATE	
DESIGNED BY: J.M.S.		DRAWN BY: K.D.B., KIS		CHECKED BY: D.B.T.		RECORDED BY: _____	
NO.		DATE		DATE		DATE	



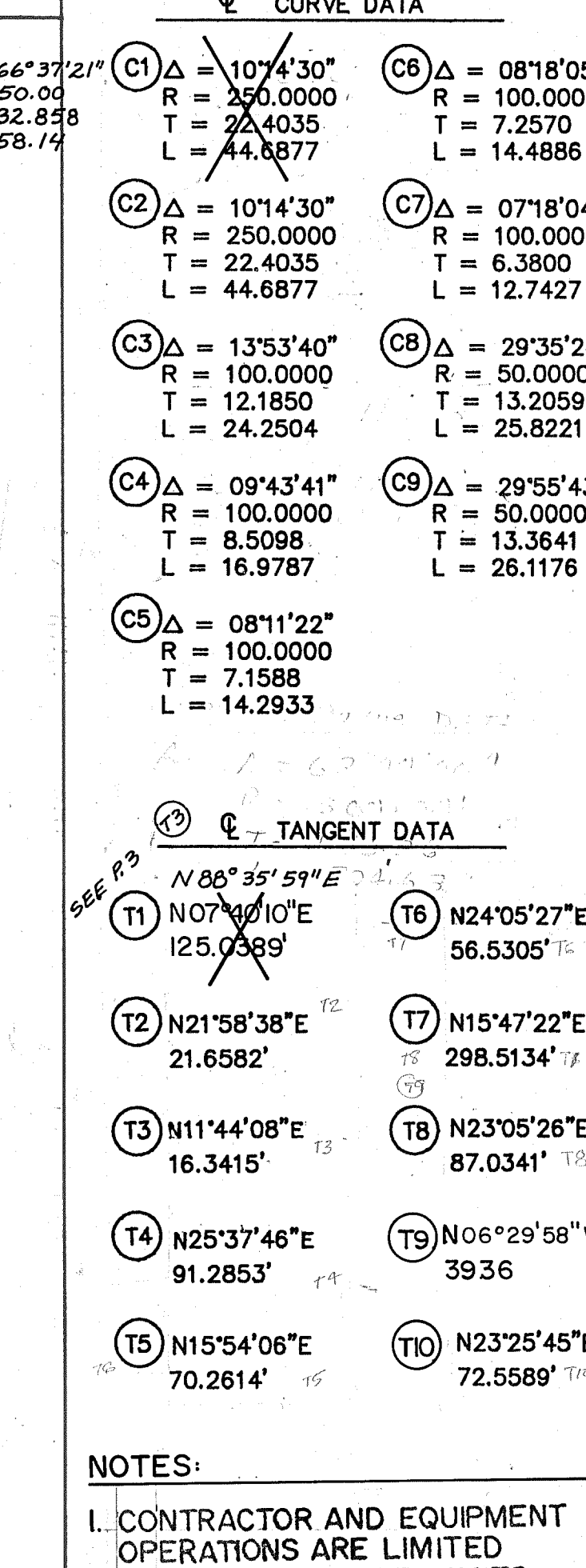
_____ E of Channel
 (xxx.x) Exist. Elev.
 _____ Slope Limits

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair.	<i>Rogel Green</i>	<i>10/22/91</i>	Waste Water	<i>ALD, Lho</i>	<i>10/27/91</i>
Transportation	<i>N/A CHD</i>	<i>10-17-91</i>	Water	<i>ALD</i>	<i>..</i>
Hydrology	<i>CAM</i>	<i>10-17-91</i>			

DRAWING NO.	4060	MAP NO.	P.Q-13	SHEET	3	OF	34
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WILSON
& COMPANY

WCEA # 9053



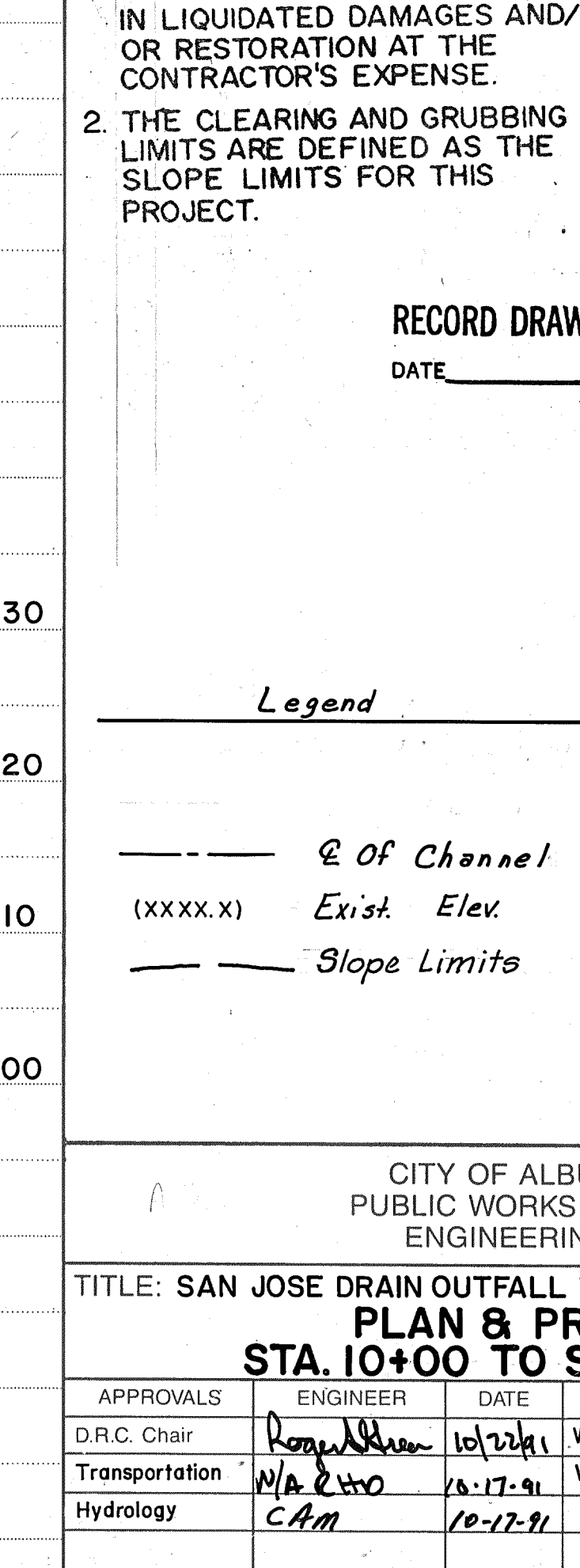
N 18° 00' 00" E

NOTE:
SEE CROSS SECTIONS ON SHEETS
20 THRU 34 FOR ADDITIONAL
INFORMATION.

1. CONTRACTOR AND EQUIPMENT OPERATIONS ARE LIMITED WITHIN THE SLOPE LIMITS. ANY UNNECESSARY DAMAGE TO THE BOSQUE MAY RESULT IN LIQUIDATED DAMAGES AND/OR RESTORATION AT THE CONTRACTOR'S EXPENSE.
2. THE CLEARING AND GRUBBING LIMITS ARE DEFINED AS THE SLOPE LIMITS FOR THIS PROJECT.

Legend

_____ E of Channel
 (XXXX.X) Exist. Elev.
 _____ Slope Limits



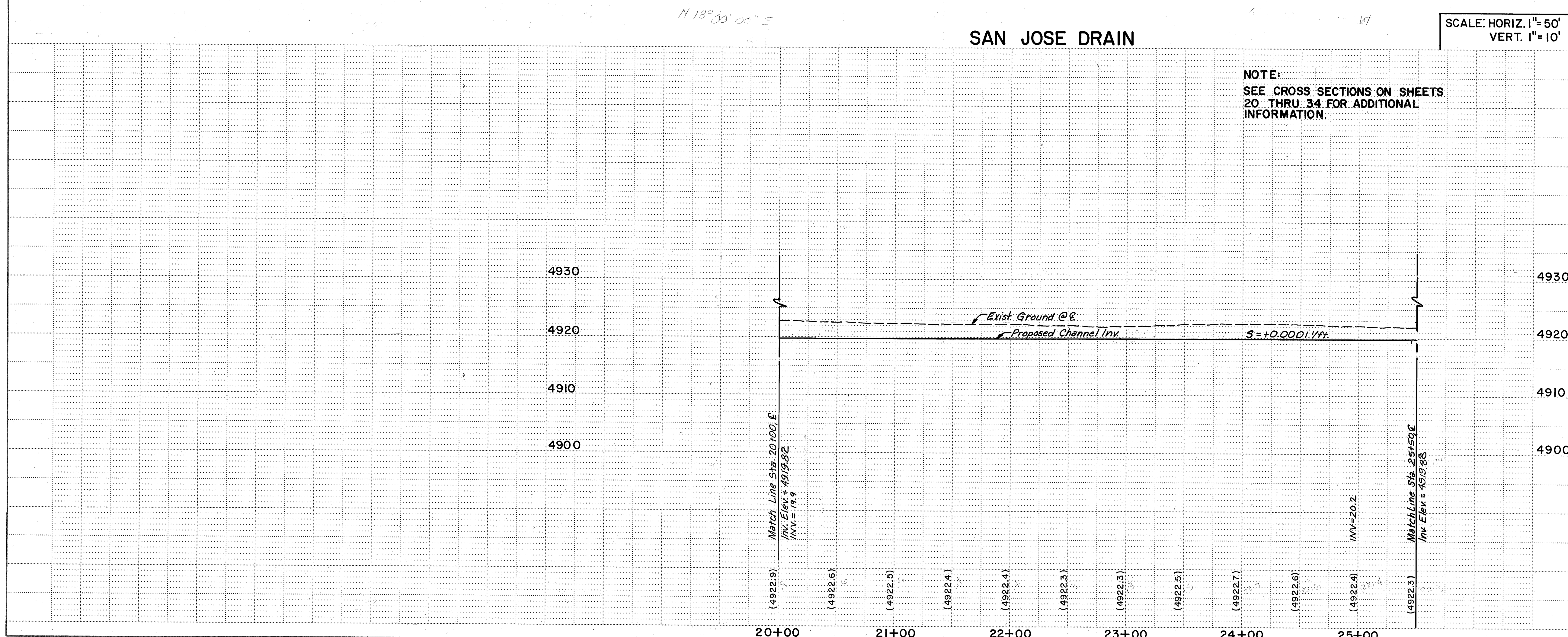
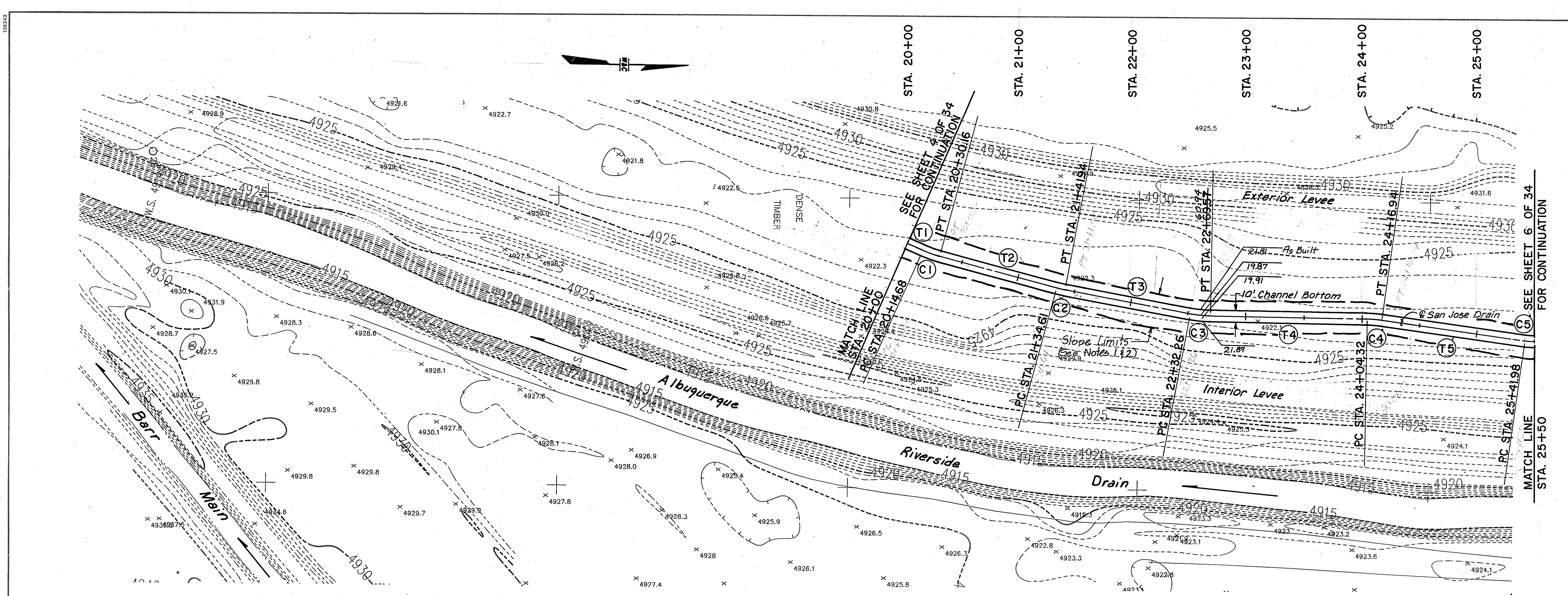
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE
PLAN & PROFILE
STA. 10+00 TO STA. 20+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>Roger Khan</i>	10/22/91	Water	<i>NICOLA</i>	10-17-91
Transportation	<i>N/A & H</i>	10-17-91	Waste Water	<i>N/A</i>	"
Hydrology	<i>CAM</i>	10-17-91			

DRAWING NO.	4060	MAP NO.	P.Q - 13	SHEET	4	OF	34
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WILSON
& COMPANY

FA#90528



CURVE DATA

(C1) $\Delta = 08^{\circ}52'16''$ R = 100.0000 T = 7.7570 L = 15.4830	(C4) $\Delta = 07^{\circ}13'40''$ R = 100.0000 T = 6.3158 L = 12.6149
(C2) $\Delta = 04^{\circ}11'57''$ R = 100.0000 T = 3.6661 L = 7.3289	(C5) $\Delta = 11^{\circ}19'11''$ R = 50.0000 T = 4.9553 L = 9.8783
(C3) $\Delta = 09^{\circ}55'02''$ R = 100.0000 T = 8.6761 L = 17.3088	

TANGENT DATA

(T1) N23°25'45"E 72.5589'	(T4) N00°26'30"E 134.7481'
(T2) N14°33'29"E 104.4469'	(T5) N07°40'10"E 125.0389'
(T3) N10°21'32"E 110.3278'	

NOTES:
1. CONTRACTOR AND EQUIPMENT OPERATIONS ARE LIMITED WITHIN THE SLOPE LIMITS. ANY UNNECESSARY DAMAGE TO THE BOSQUE MAY RESULT IN LIQUIDATED DAMAGES AND/OR RESTORATION AT THE CONTRACTOR'S EXPENSE.
2. THE CLEARING AND GRUBBING LIMITS ARE DEFINED AS THE SLOPE LIMITS FOR THIS PROJECT.

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

NOTE:
SEE CROSS SECTIONS ON SHEETS 20 THRU 34 FOR ADDITIONAL INFORMATION.

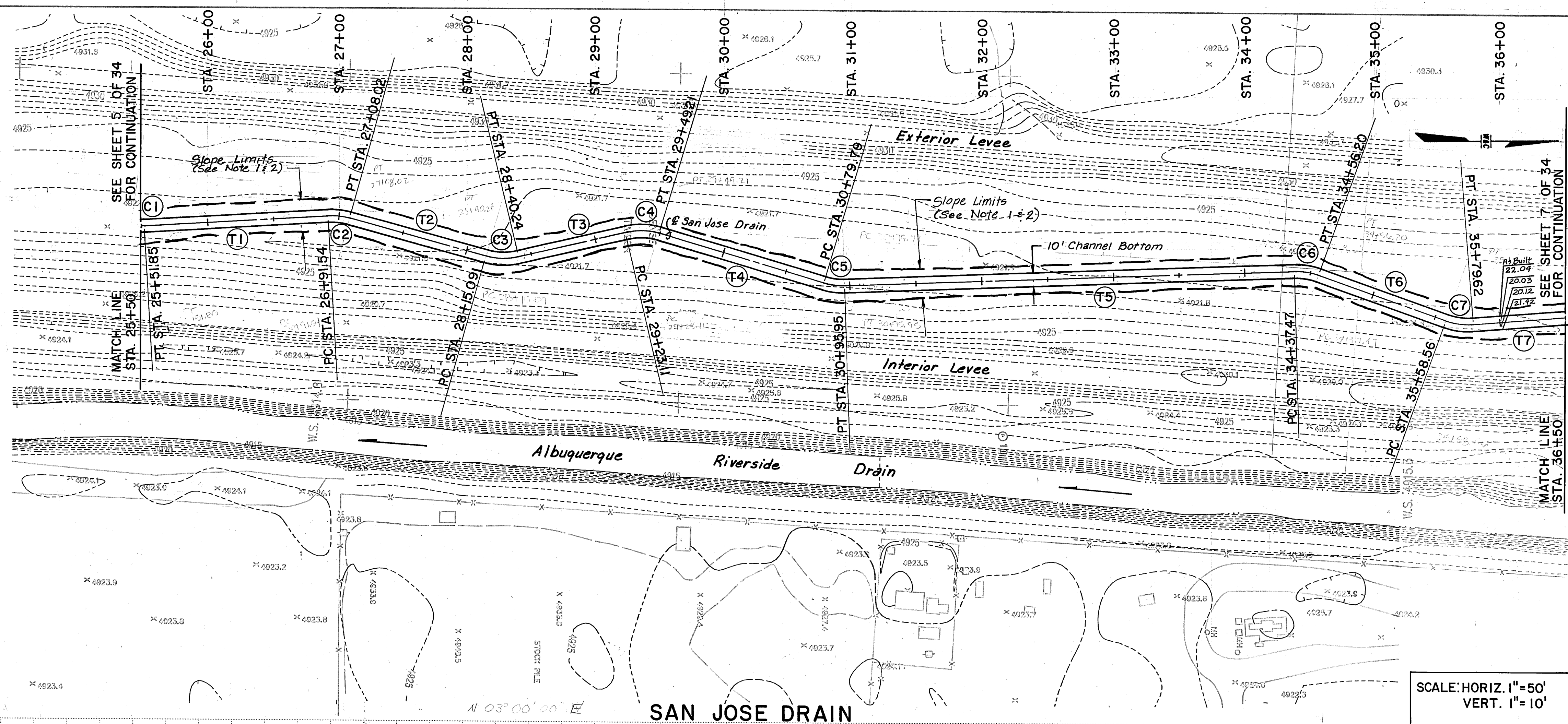
Legend
--- Q of Channel
(xxxx.x) Exist Elev
--- Slope Limits

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE PLAN & PROFILE STA. 20+00 TO STA. 25+50					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Paul R. ...	10-17-91	Water	ADD	10-17-91
Transportation	N.A.R.H.O.	10-17-91	Waste Water	ADD	"
Hydrology	C.R.M.	10-17-91			
DRAWING NO. 4060		MAP NO. P.Q-13		SHEET 5 OF 34	
WILSON & COMPANY		WCEA # 90528			

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	DATE	BY	CONTRACTOR	DATE
				BM No. 4-Q13, A CORP OF ENGINEER BRASS	
				CAP IN CONCRETE STAMPED "4957368"	
				LOCATED AT THE NORTHWEST CORNER OF THE	
				BRIDGE AT THE RAILROAD TRACKS AND THE	
				DIVERSION CHANNEL AT SECOND STREET, SW.	
				ELEVATION 4957368	
				RECORDED BY	DATE
				NO	

DESIGNED BY	J.M.S.	DATE	4/91
DRAWN BY	K.D.B./E.L.O.	DATE	4/91
CHECKED BY	S.J.M.	DATE	4/91

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	



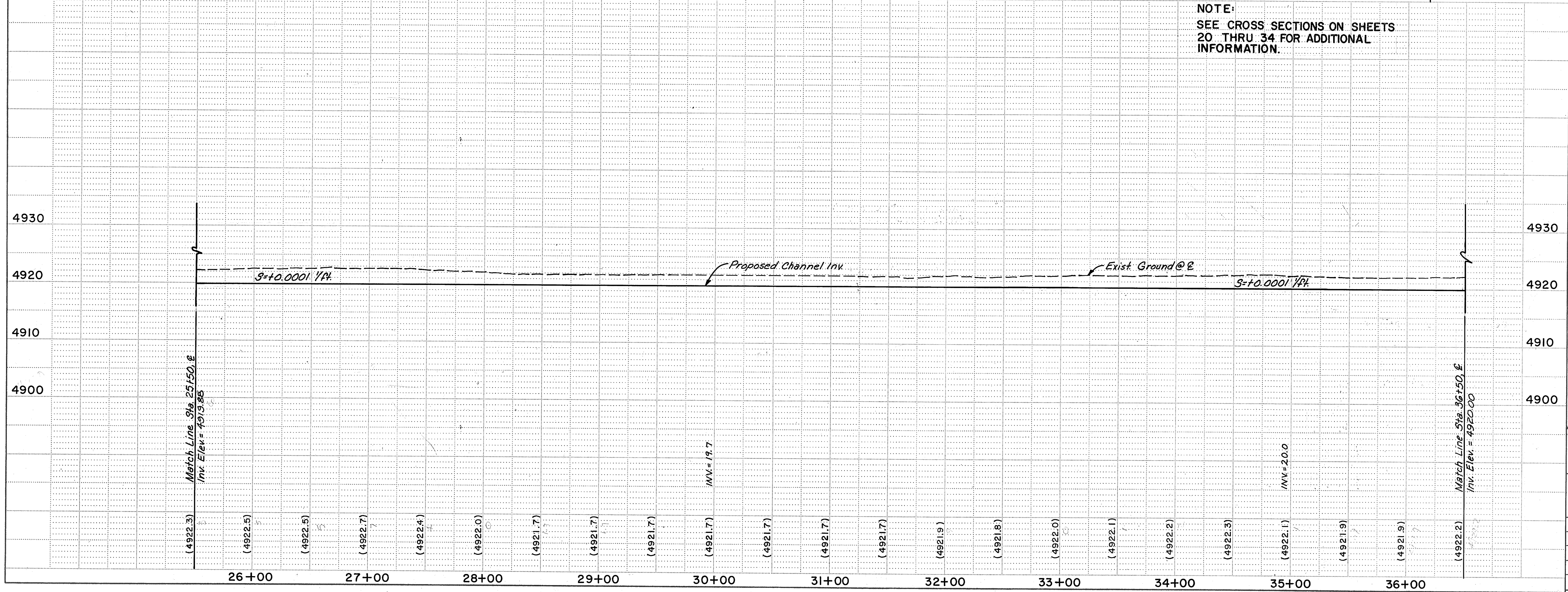
CURVE DATA			
C1	$\Delta = 11'19''11''$ R = 50.0000 T = 4.9553 L = 9.8783	C5	$\Delta = 18'31''05''$ R = 50.0000 T = 8.1511 L = 16.1601
C2	$\Delta = 18'52''53''$ R = 50.0000 T = 8.3139 L = 16.4771	C6	$\Delta = 21'27''47''$ R = 50.0000 T = 9.4761 L = 18.7301
C3	$\Delta = 28'49''45''$ R = 50.0000 T = 12.8514 L = 25.1582	C7	$\Delta = 24'07''42''$ R = 50.0000 T = 10.6884 L = 21.0559
C4	$\Delta = 29'54''20''$ R = 50.0000 T = 13.3533 L = 26.0975		

TANGENT DATA			
T1	N03°39'01"W 139.6908'	T5	N02°12'38"W 341.5186'
T2	N15°13'52"E 107.0847'	T6	N19°15'09"E 102.3609'
T3	N13°35'53"W 82.8653'	T7	N04°52'33"W 168.1013'
T4	N16°18'27"E 130.5856'		

NOTES:
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2. THE CLEARING AND GRUBBING LIMITS ARE DEFINED AS THE SLOPE LIMITS FOR THIS PROJECT.

RECORD DRAWING
DATE

Legend
--- $\mathcal{E}$ of Channel
(XXXX.X) Exist Elev.
--- Slope Limits

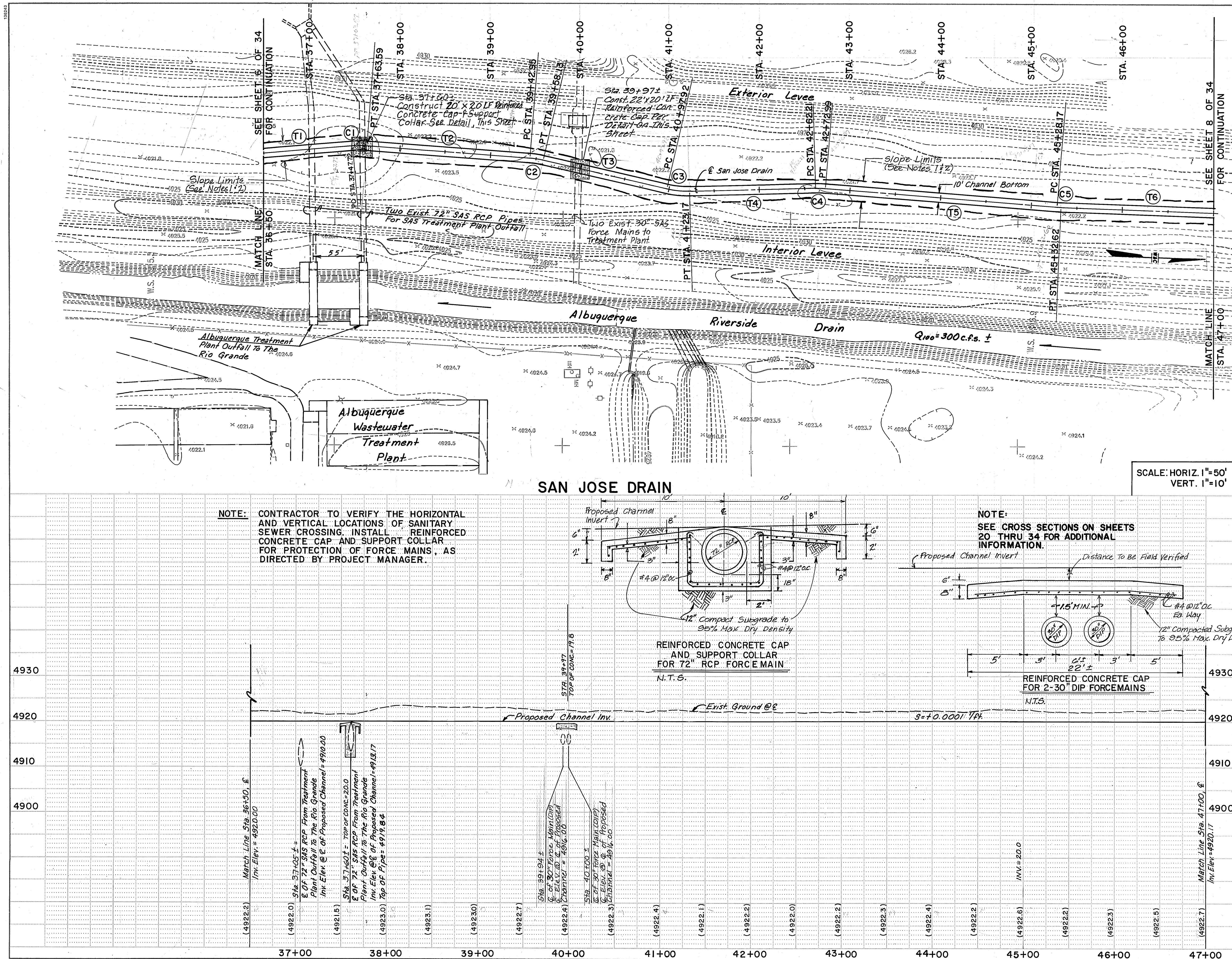


CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE PLAN & PROFILE STA. 25+50 TO STA. 36+50					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	10/12/91	Water	<i>[Signature]</i>	10-12-91
Transportation	<i>N/A RWD</i>	10-17-91	WasteWater	<i>AWD</i>	..
Hydrology	<i>CAM</i>	10-17-91			

DRAWING NO. 4060 MAP NO. P.Q-13 SHEET 6 OF 34
WCEA # 90928

WILSON & COMPANY

132343



CURVE DATA			
C1	$\Delta = 09^{\circ}05'37''$	C4	$\Delta = 06^{\circ}10'33''$
	R = 100.0000		R = 100.0000
	T = 7.9524		T = 5.3947
	L = 15.8713		L = 10.7789
C2	$\Delta = 08^{\circ}41'52''$	C5	$\Delta = 02^{\circ}33'12''$
	R = 100.0000		R = 100.0000
	T = 7.6049		T = 2.2286
	L = 15.1806		L = 4.4564
C3	$\Delta = 14^{\circ}28'00''$		
	R = 100.0000		
	T = 12.6921		
	L = 25.2492		

TANGENT DATA			
T1	N04°52'33"W	T4	N01°33'04"W
	168.1013'		139.0433'
T2	N04°13'04"E	T5	N04°37'29"E
	179.3627'		255.1768'
T3	N12°54'56"E	T6	N02°04'17"E
	139.7827'		430.8020'

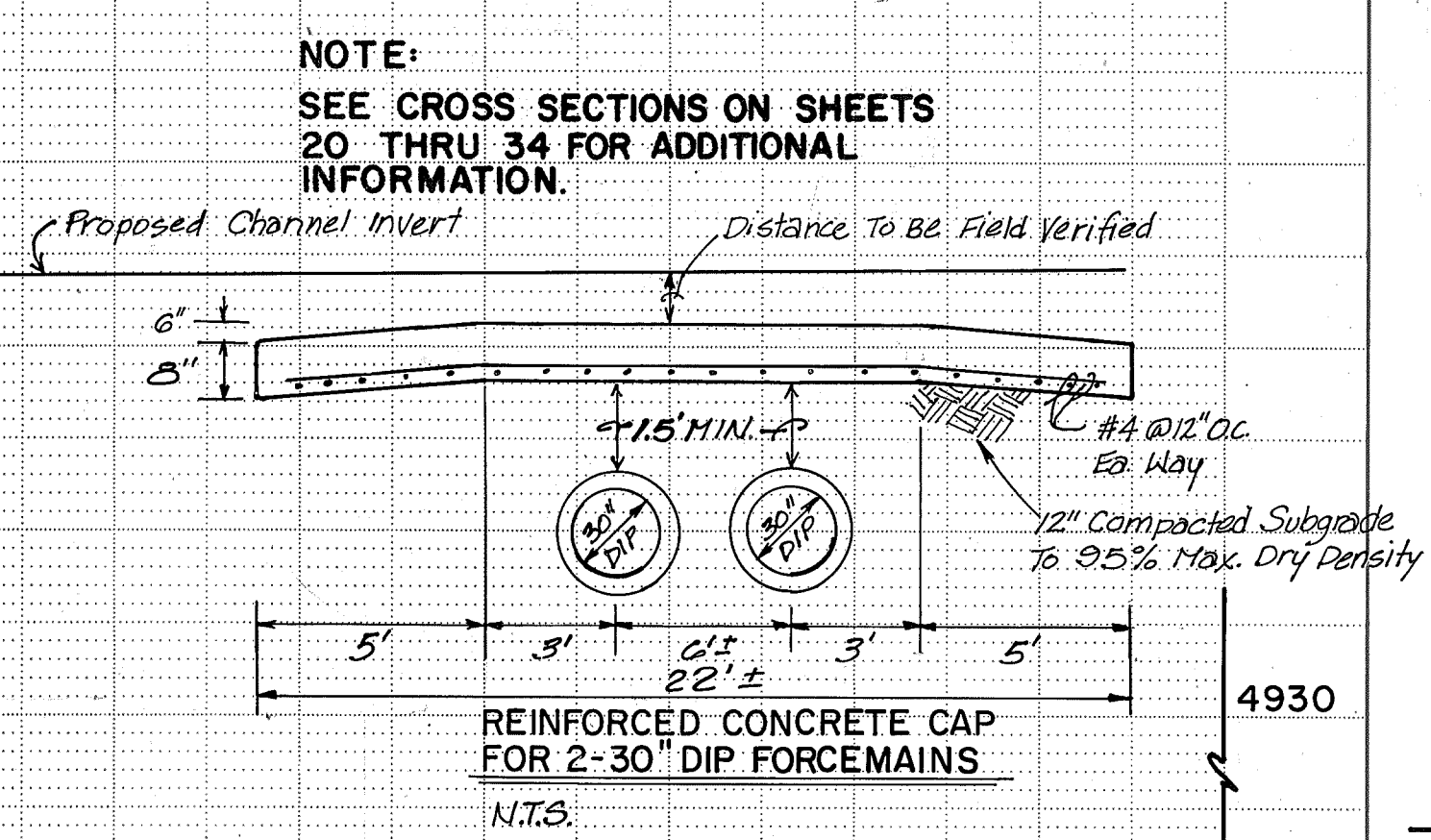
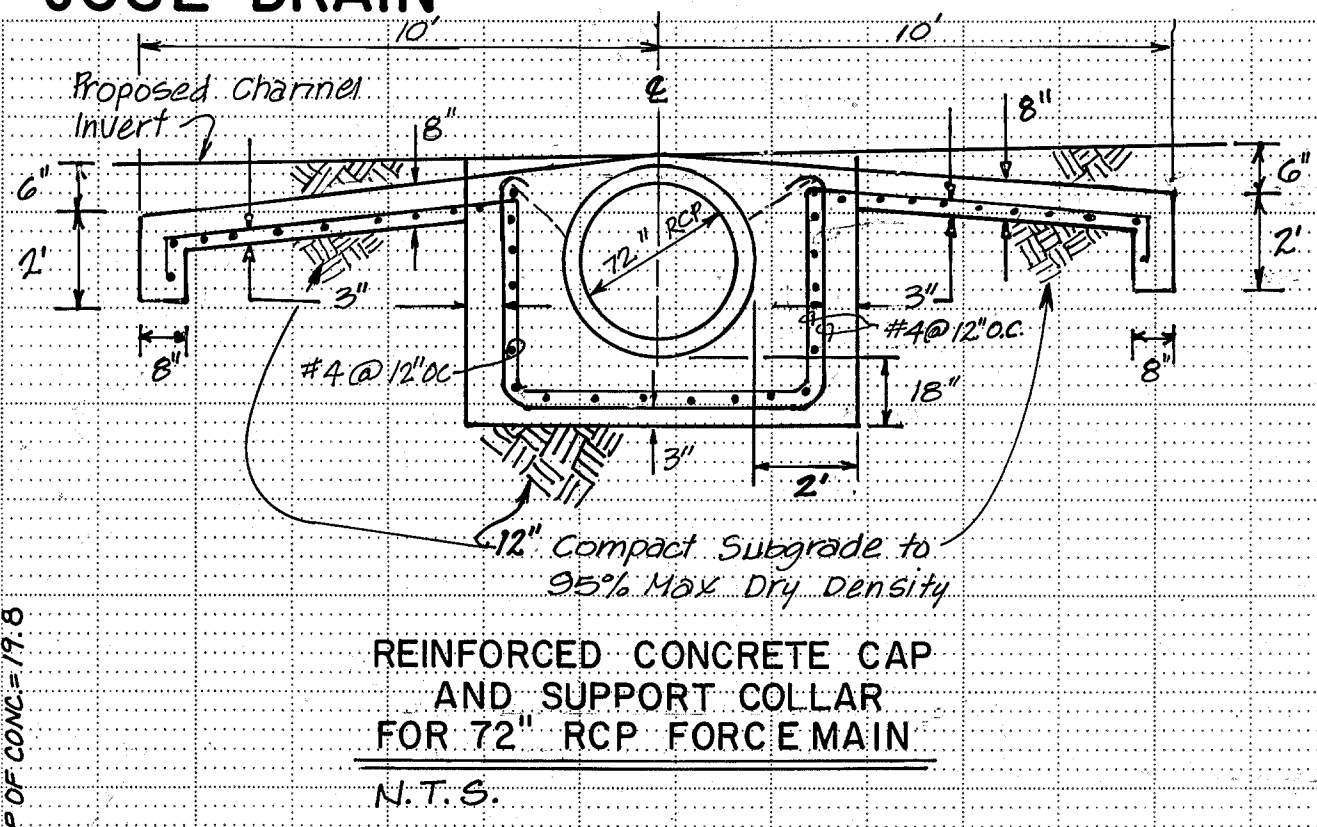
NOTES:

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- THE CLEARING AND GRUBBING LIMITS ARE DEFINED AS THE SLOPE LIMITS FOR THIS PROJECT.

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

SAN JOSE DRAIN

NOTE: CONTRACTOR TO VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF SANITARY SEWER CROSSING. INSTALL REINFORCED CONCRETE CAP AND SUPPORT COLLAR FOR PROTECTION OF FORCE MAINS, AS DIRECTED BY PROJECT MANAGER.



RECORD DRAWING
DATE

Legend

--- 2' Of Channel
(xxxx.x) Exist Elev.
--- Slope Limits

AS BUILT INFORMATION			
CONTRACTOR	DATE	INSPECTOR'S	DATE
DATE	DATE	DATE	DATE
MICRO-FILM INFORMATION			
RECORDED BY	NO.	DATE	DATE
NO.	NO.	DATE	DATE

BENCH MARKS			
BM No. 4-Q13	A CORP. OF ENGINEER BRASS	LOCATED AT THE NORTHWEST CORNER OF THE	BRIDGE AT THE RAILROAD TRACKS AND THE
			DIVERSION CHANNEL AT SECOND STREET, SW
			ELEVATION 4957.368

SURVEY INFORMATION			
FIELD NOTES	DATE	DATE	DATE
NO.	NO.	NO.	NO.

ENGINEER'S SEAL			
REMARKS	BY	DATE	DATE
DESIGN	DATE	DATE	DATE
DESIGNED BY	J.M.S.	DATE	4/91
DRAWN BY	K.D.B./E.L.O.	DATE	4/91
CHECKED BY	S.J.M.	DATE	4/91

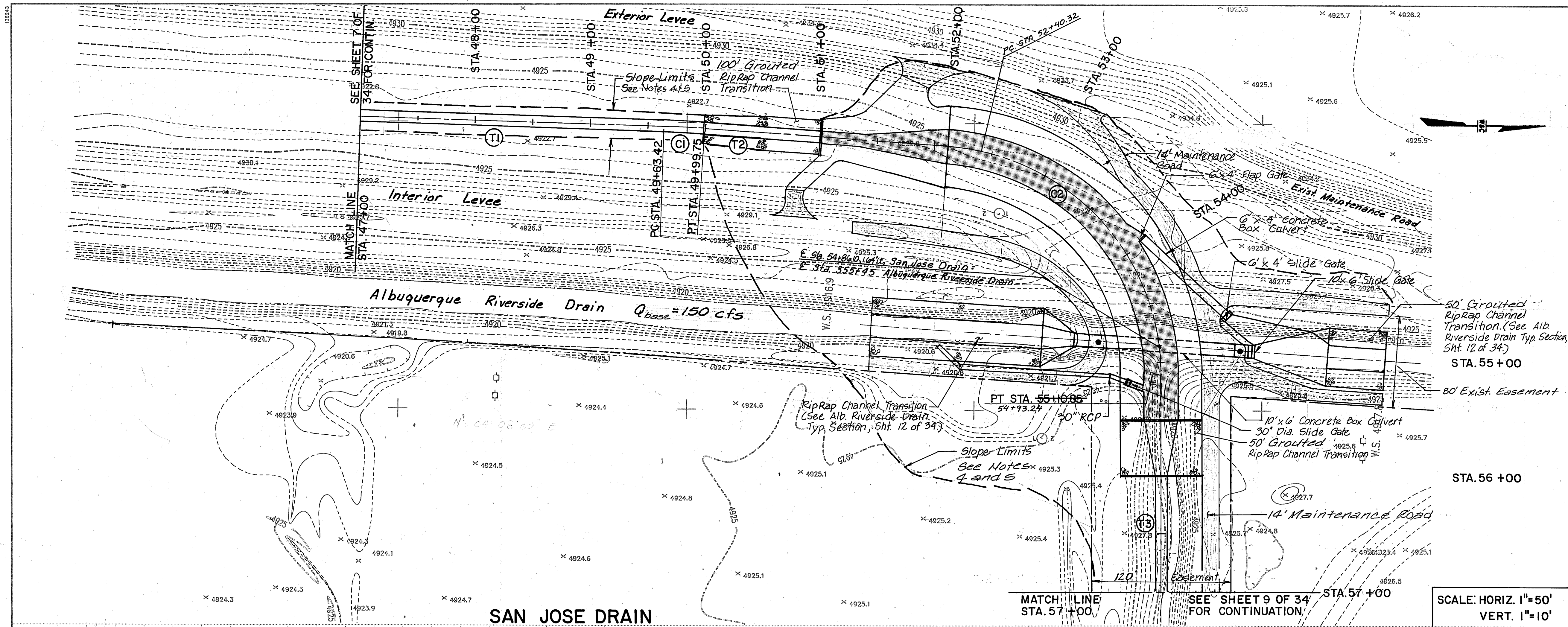
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE
PLAN & PROFILE
STA. 36+50 TO STA. 47+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	10/22/91	10/22/91	Water	10/22/91	10/22/91
Transportation	10/22/91	10/22/91	Waste Water	10/22/91	10/22/91
Hydrology	CAM	10/22/91			

DRAWING NO. 4060 MAP NO. P,Q-13 SHEET 7 OF 34

WILSON & COMPANY



Δ = 85°44'49"
R = 169.00
T = 156.90
L = 252.92

☉ CURVE DATA

(C1) Δ = 02°04'53"	(C2) Δ = 85°44'00"
R = 1000.0000	R = 280.0000
T = 18.1668	T = 185.7431
L = 36.3295	L = 299.3821

☉ TANGENT DATA

(T1) N02°04'17"E 430.8020'	(T3) N89°54'00"E 2224.8845'
(T2) N04°08'11"E 211.7170'	

NOTES

- SEE SHEET 11 & 12 OF 34 FOR BLOWUP OF ALBUQUERQUE RIVERSIDE DRAIN CROSSING STRUCTURE.
- SEE SHEETS 13 - 19 OF 34 FOR STRUCTURAL INFORMATION.
- ROUTED RIPRAP TO BE CONSTRUCTED PER COA SPECIFICATIONS (12" x 6" THICKNESS = 18", TYPE VL.)
- CONTRACTOR AND EQUIPMENT OPERATIONS ARE LIMITED WITHIN THE SLOPE LIMITS. ANY UNNECESSARY DAMAGE TO THE BOSQUE MAY RESULT IN LIQUIDATED DAMAGES AND/OR RESTORATION AT THE CONTRACTOR'S EXPENSE.
- THE CLEARING AND GRUBBING LIMITS ARE DEFINED AS THE SLOPE LIMITS FOR THIS PROJECT.

AS BUILT INFORMATION

CONTRACTOR	DATE
INSPECTOR'S	DATE
ACCEPTANCE BY	DATE
VERIFICATION BY	DATE
DRAWING	DATE
BY	DATE
MICRO-FILM INFORMATION	DATE
RECORDED BY	NO.

BENCH MARKS

BM No. 4-Q13, A CORP. OF ENGINEER BRASS	DATE
CAP IN CONCRETE STAMPED "4957368"	DATE
LOCATED AT THE NORTHWEST CORNER OF THE	DATE
BRIDGE AT THE RAILROAD TRACKS AND THE	DATE
DIVERSION CHANNEL AT SECOND STREET, SW	DATE
ELEVATION 4957.368	DATE

SURVEY INFORMATION

FIELD NOTES	DATE
BY	DATE
NO.	DATE

ENGINEER'S SEAL

RECORD DRAWING

DATE

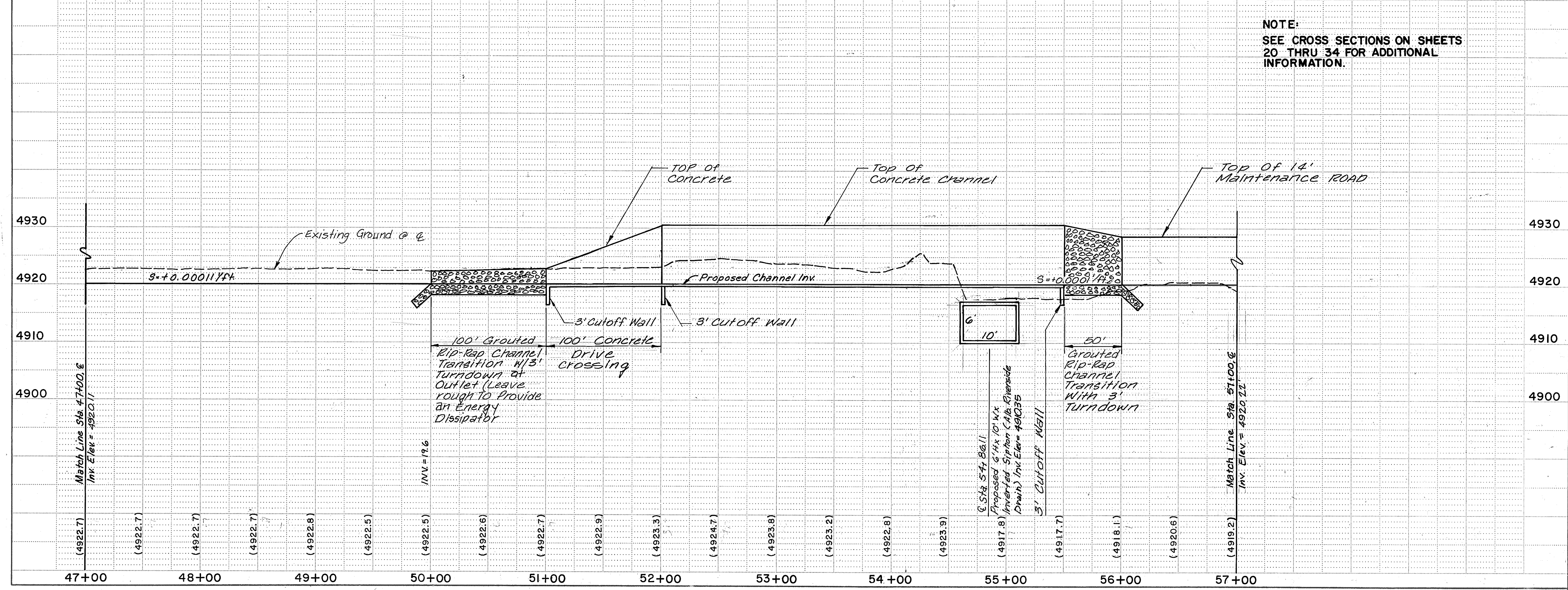
Legend

- ☉ OF Channels
- (XXXX.X) Exist. Elev.
- Slope Limits

REVISIONS

NO.	DATE	REMARKS	BY
DESIGN			

DESIGNED BY J.M.S. DATE 4/91
DRAWN BY K.D.B./E.L.O. DATE 4/91
CHECKED BY S.J.M. DATE 4/91



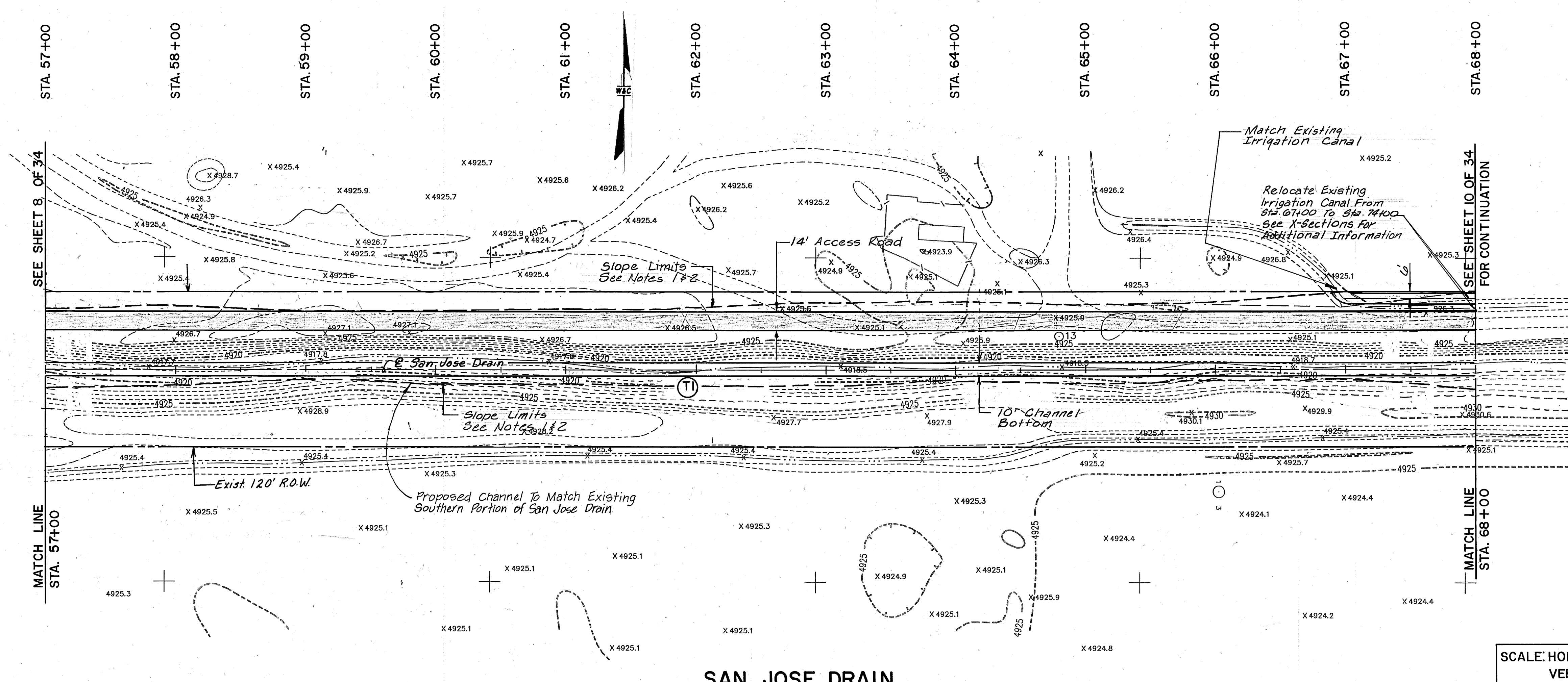
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE
PLAN & PROFILE
STA. 47+00 TO STA. 57+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Proposed	10/17/91	Water	W.D.B.	10-17-91
Transportation	N/A	10-17-91	Waste Water	N/A	
Hydrology	C.R.M.	10-17-91			

DRAWING NO. 4060 MAP NO. P.Q-13 SHEET 8 OF 34

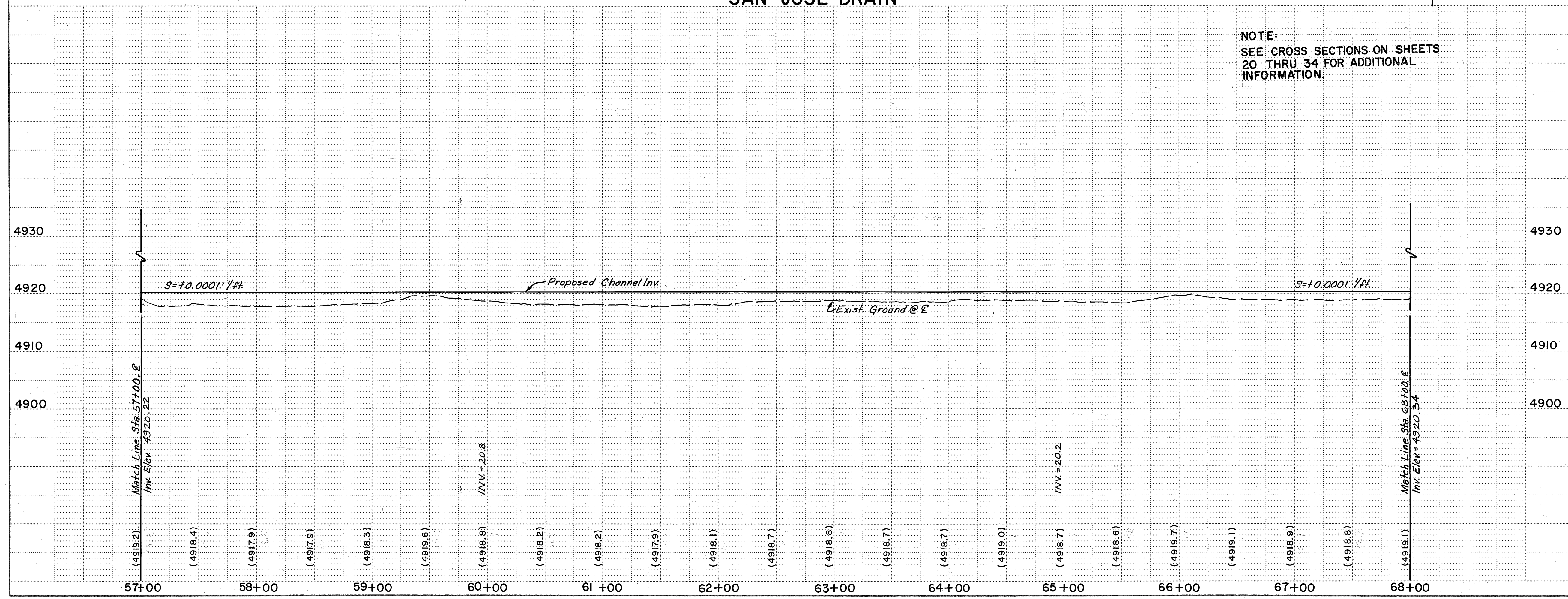
136543



SAN JOSE DRAIN

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

NOTE:
SEE CROSS SECTIONS ON SHEETS
20 THRU 34 FOR ADDITIONAL
INFORMATION.



TANGENT DATA
N89°54'00"E
2224.8845'

- NOTES:
- CONTRACTOR AND EQUIPMENT OPERATIONS ARE LIMITED WITHIN THE SLOPE LIMITS. ANY UNNECESSARY DAMAGE TO THE BOSQUE MAY RESULT IN LIQUIDATED DAMAGES AND/OR RESTORATION AT THE CONTRACTOR'S EXPENSE.
 - THE CLEARING AND GRUBBING LIMITS ARE DEFINED AS THE SLOPE LIMITS FOR THIS PROJECT.

RECORD DRAWING
DATE

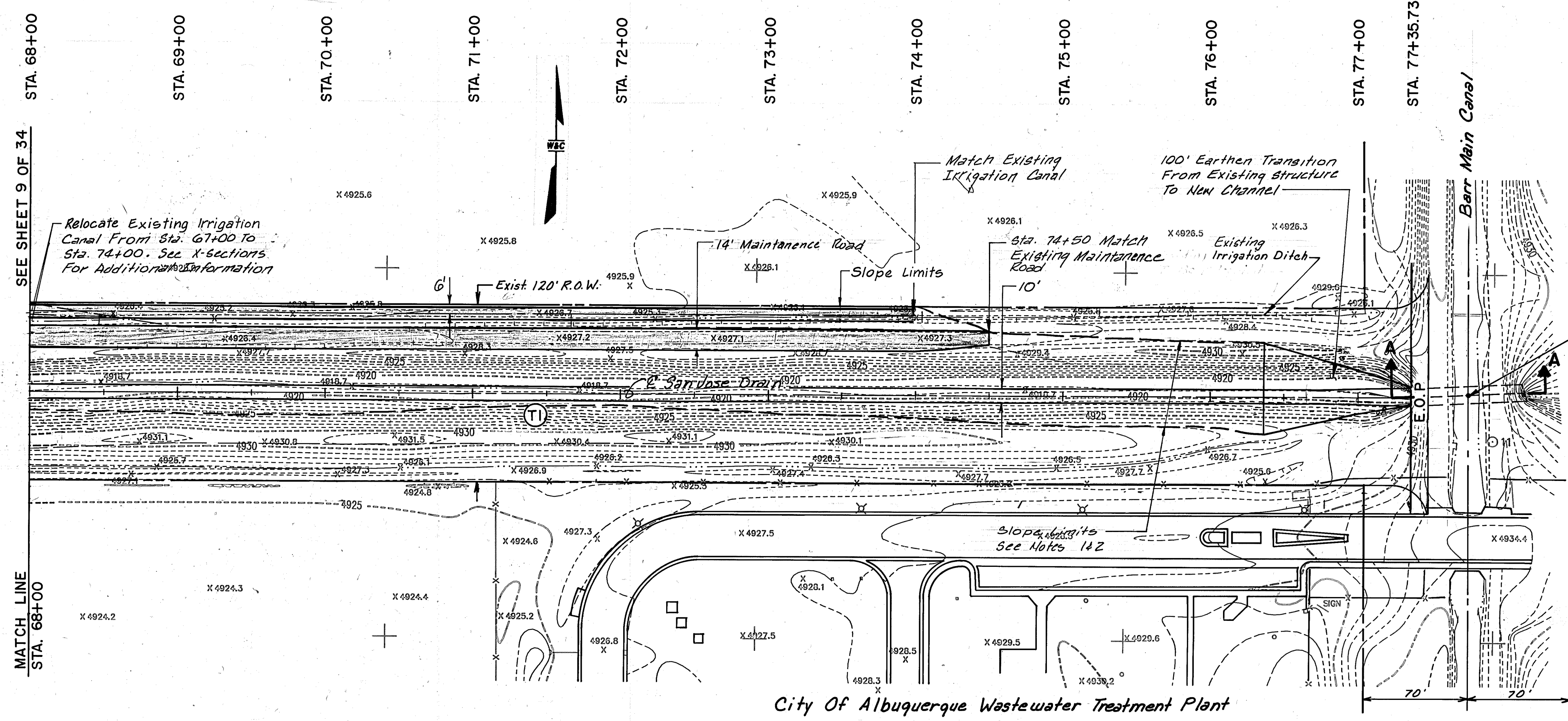
Legend

- & of Channels
- (XXX.X.X) Exist. & Elev.
- Slope Limits

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE PLAN & PROFILE STA. 57+00 TO STA. 68+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Reginald	10-17-91	Water	Adrian	10-17-91
Transportation	N/A RHO	10-17-91	Waste Water	N/A	..
Hydrology	CAM	10-17-91			
DRAWING NO. 4060		MAP NO. P,Q-13		SHEET 9 OF 34	

WILSON & COMPANY

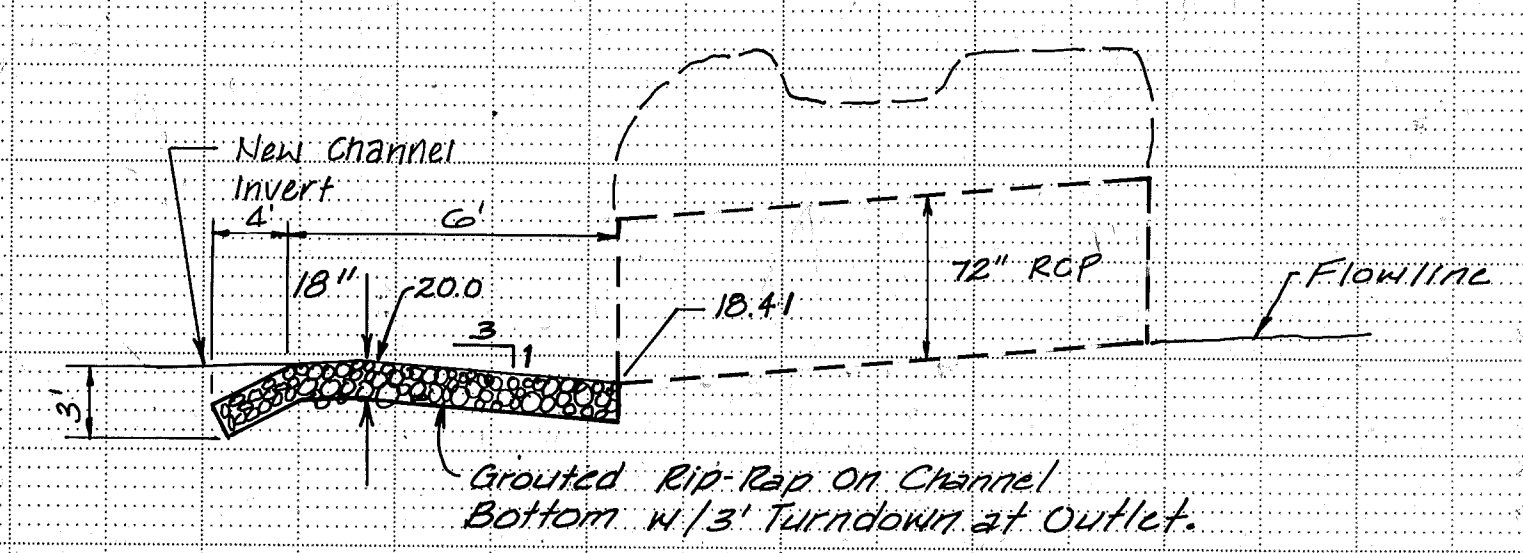
SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	BM No. 4-013, A CORP OF ENGINEER BRASS CAP IN CONCRETE STAMPED "4957.368"	CONTRACTOR	DATE
			LOCATED AT THE NORTHWEST CORNER OF THE BRIDGE AT THE RAILROAD TRACKS AND THE DIVERSION CHANNEL AT SECOND STREET, SW	INSPECTOR'S ACCEPTANCE BY	DATE
			ELEVATION 4957.368	VERIFICATION BY	DATE
				CORRECTED BY	DATE
				MICRO-FILM INFORMATION	DATE
				RECORDED BY	NO.



Note: There Are Two Exist 72" Pipes @ The San Jose Drain Crossing & The Barr Main Canal.
Inv. (Out) 20.45
Inv. (Out) 18.41
(Provide Grouted Rip-Rap Protection In Channel Bottom Only).

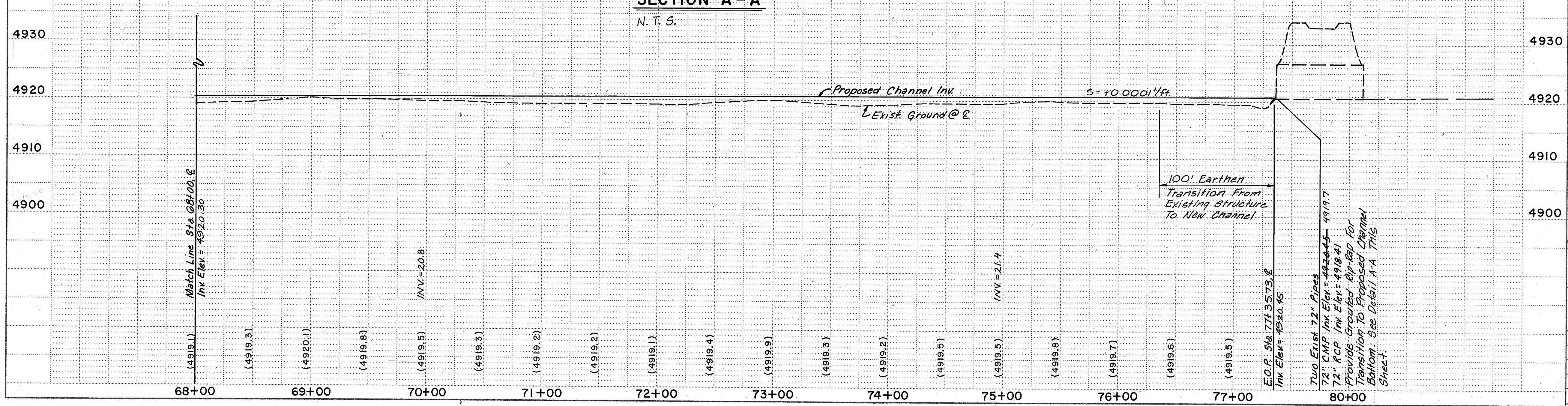
City Of Albuquerque Wastewater Treatment Plant

SAN JOSE DRAIN



SECTION A-A
N.T.S.

NOTE:
SEE CROSS SECTIONS ON SHEETS
20 THRU 34 FOR ADDITIONAL
INFORMATION.



☉ TANGENT DATA
T1 N89°54'00"E
2224.8845'

RECORD DRAWING
DATE

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

- NOTES:
- CONTRACTOR AND EQUIPMENT OPERATIONS ARE LIMITED WITHIN THE SLOPE LIMITS. ANY UNNECESSARY DAMAGE TO THE BOSQUE MAY RESULT IN LIQUIDATED DAMAGES AND/OR RESTORATION AT THE CONTRACTOR'S EXPENSE.
 - THE CLEARING AND GRUBBING LIMITS ARE DEFINED AS THE SLOPE LIMITS FOR THIS PROJECT.

Legend

- & of Channels
- (XXXX.X) Exist & Elev.
- Slope Limits

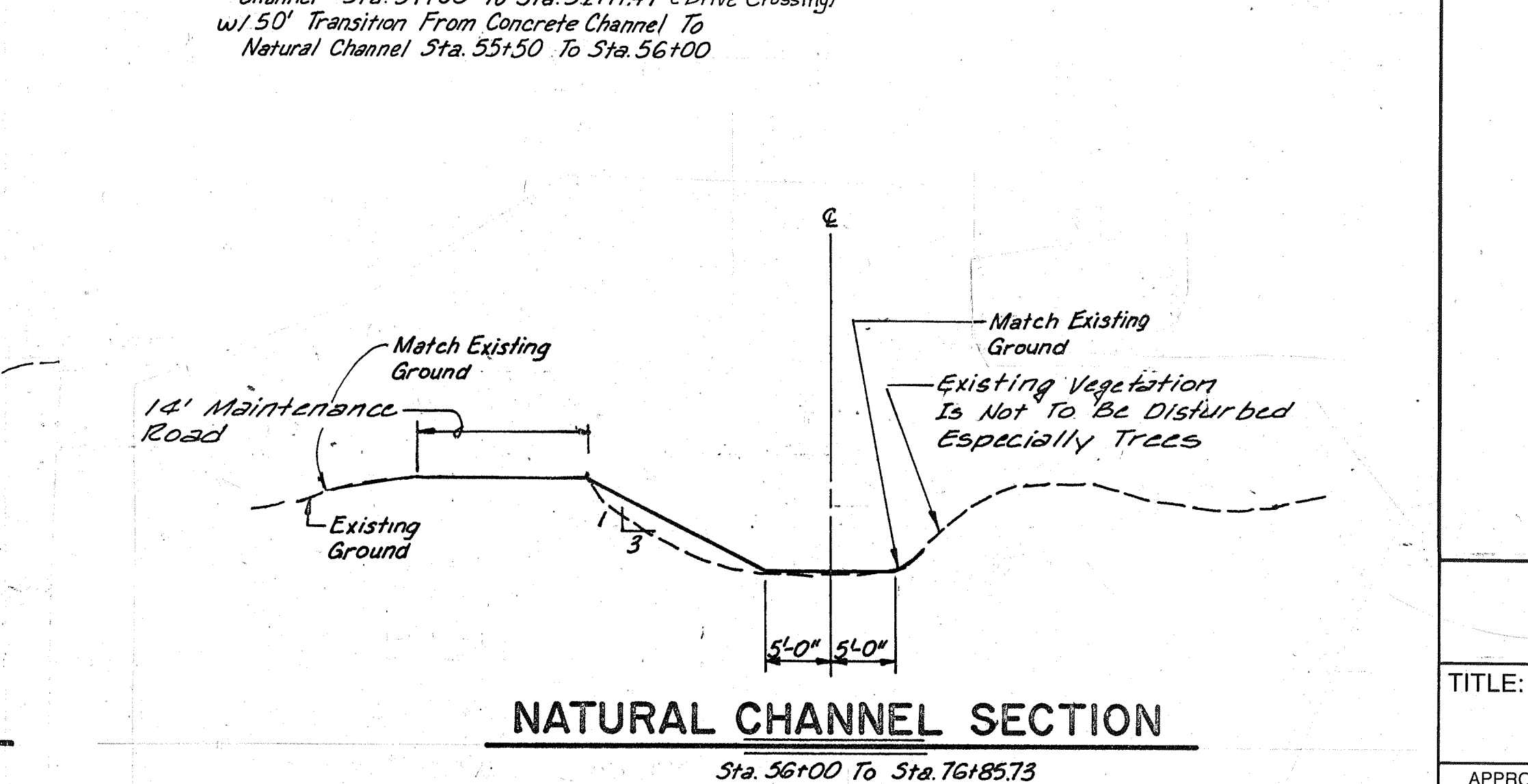
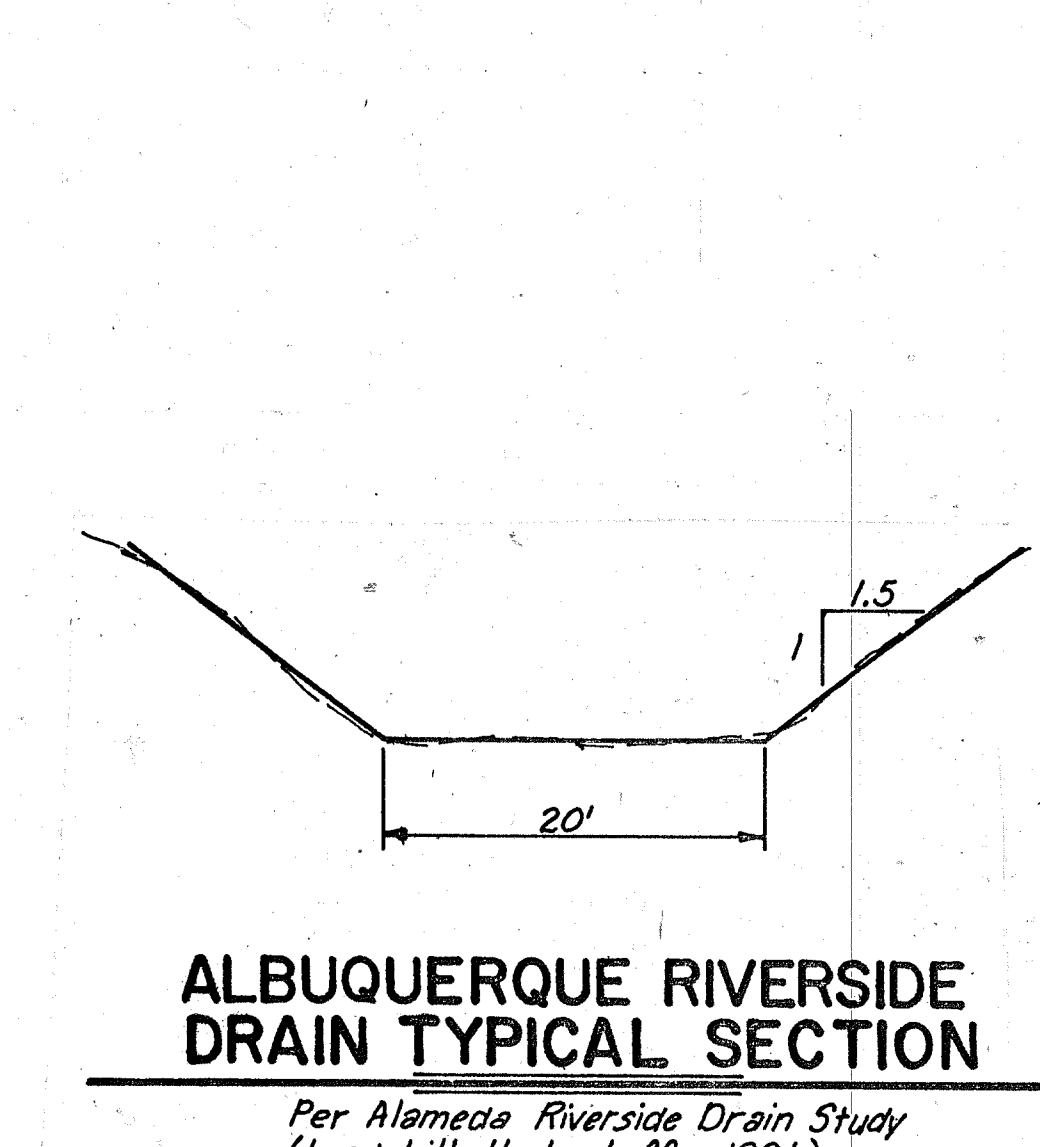
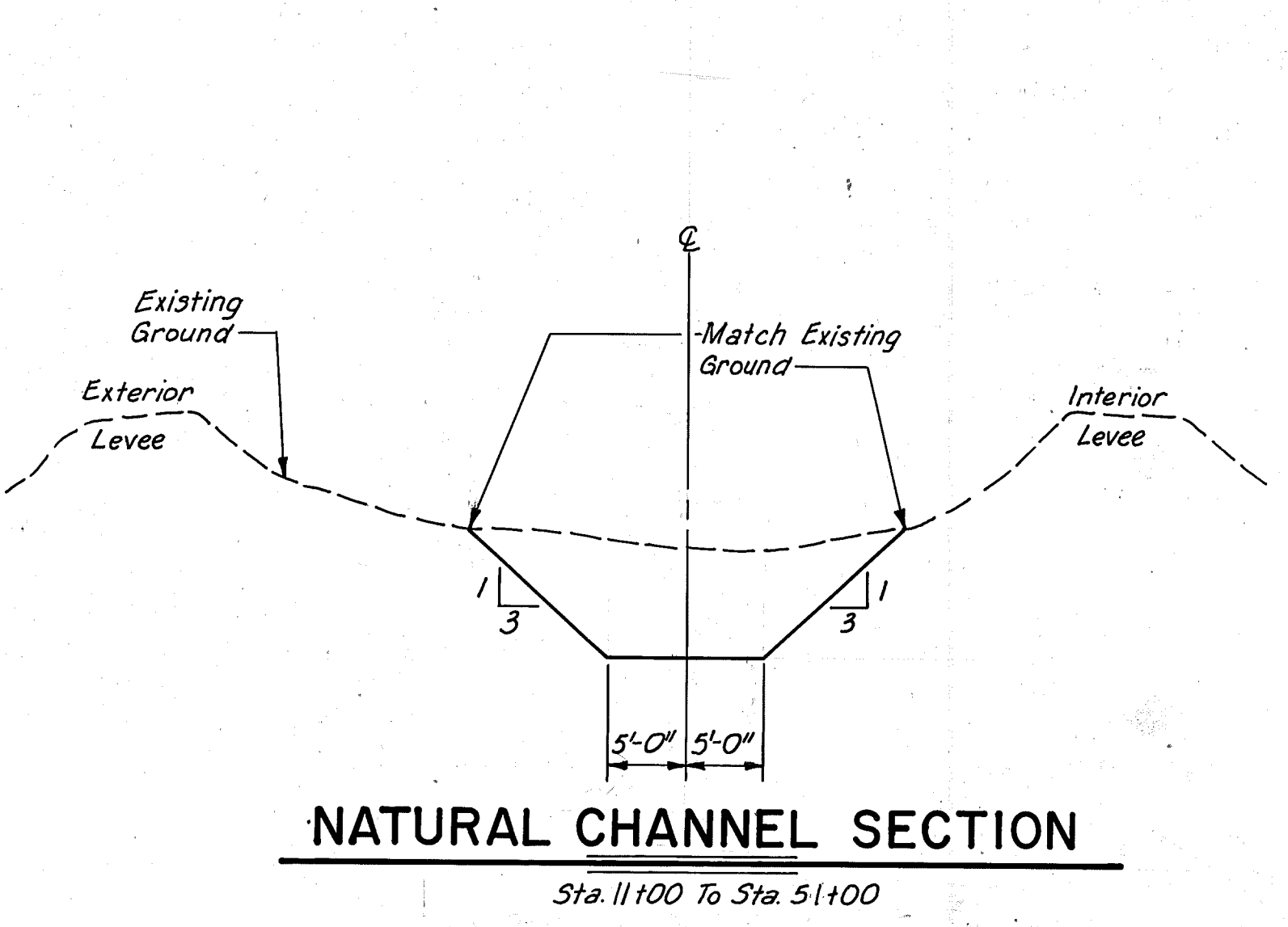
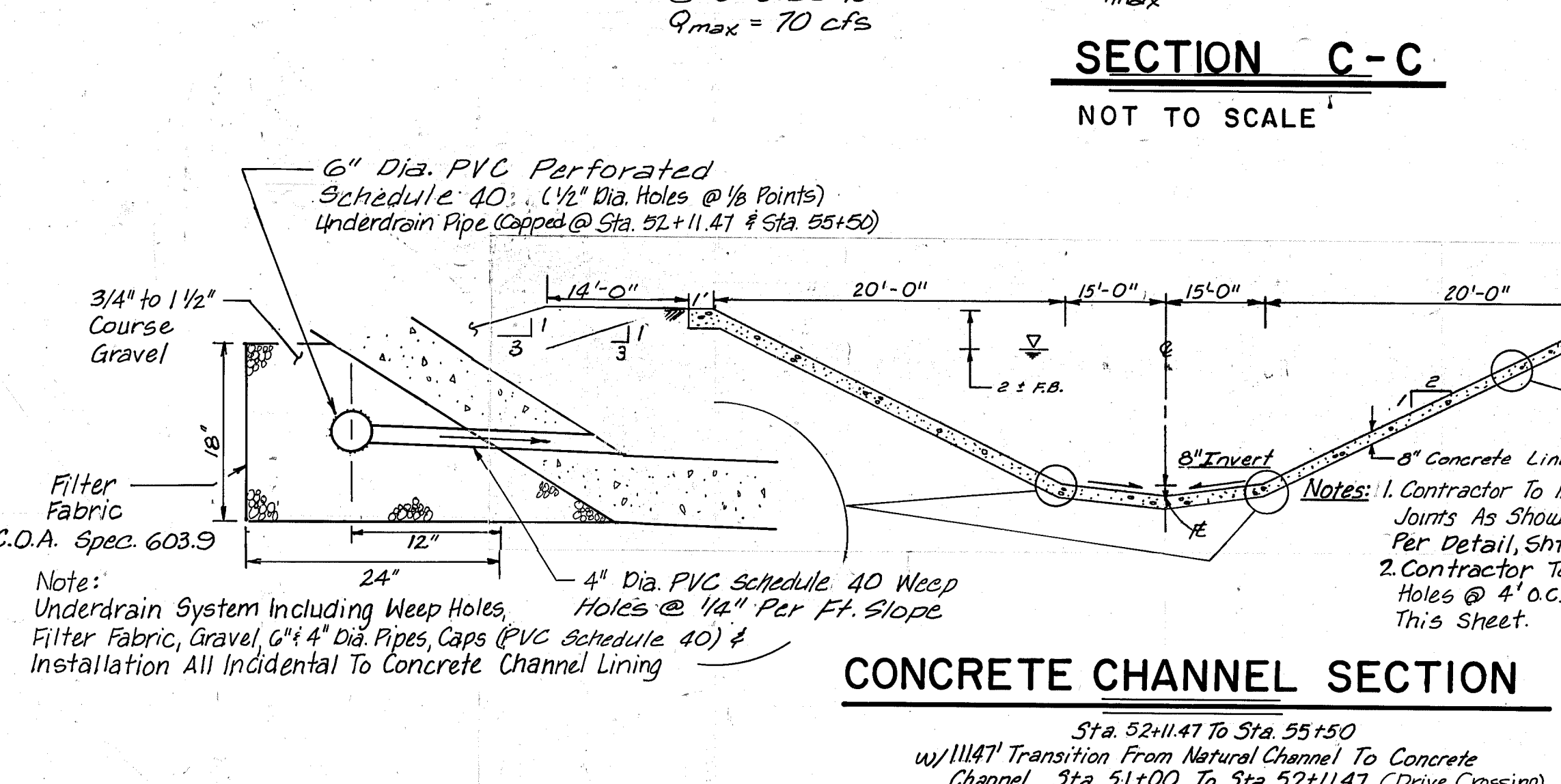
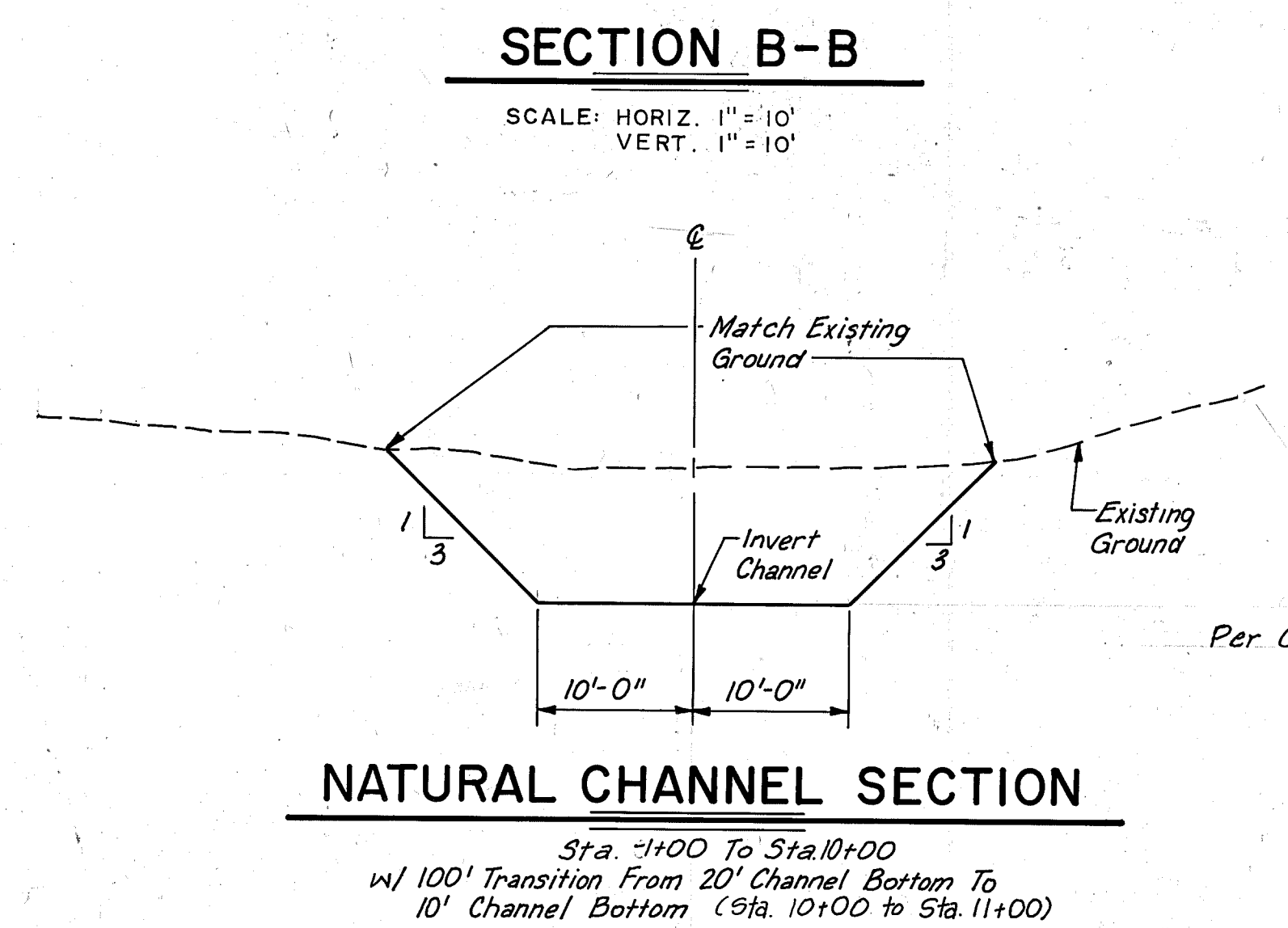
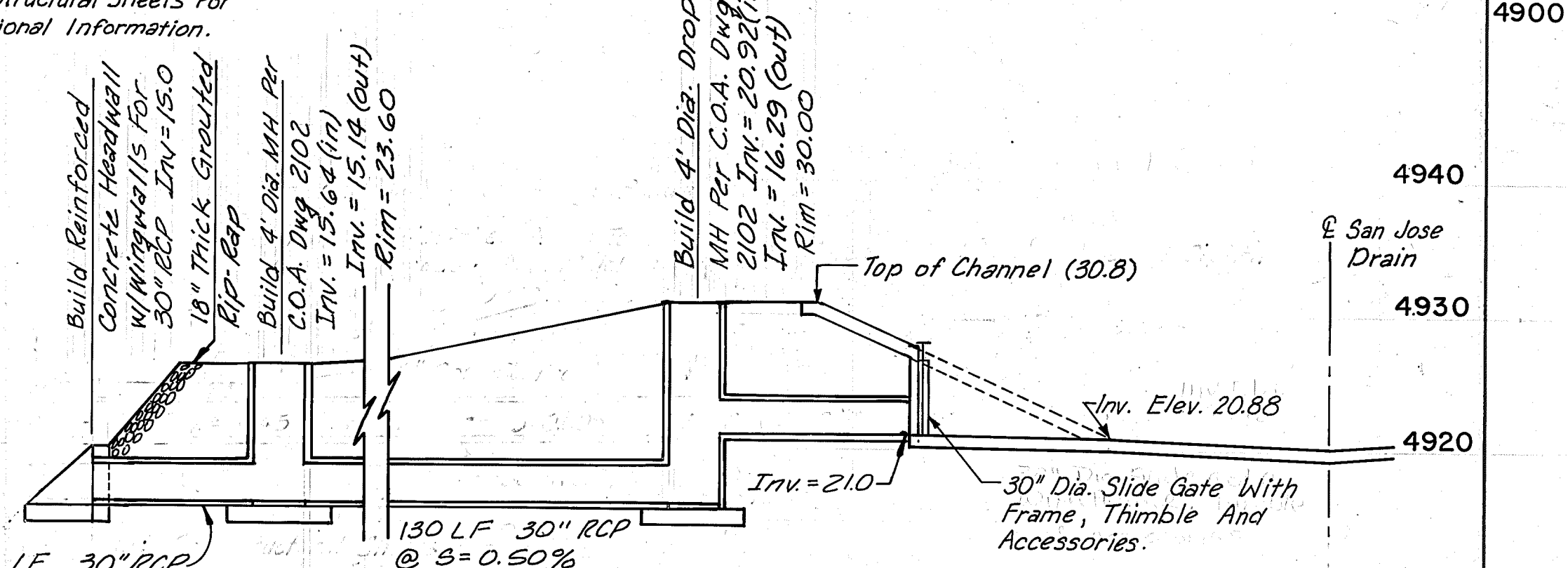
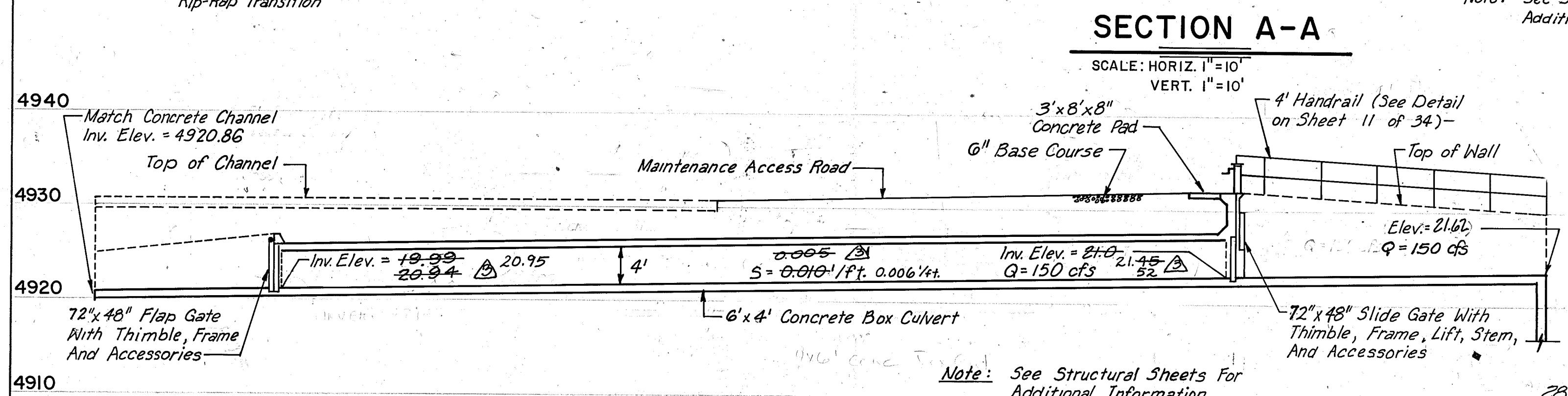
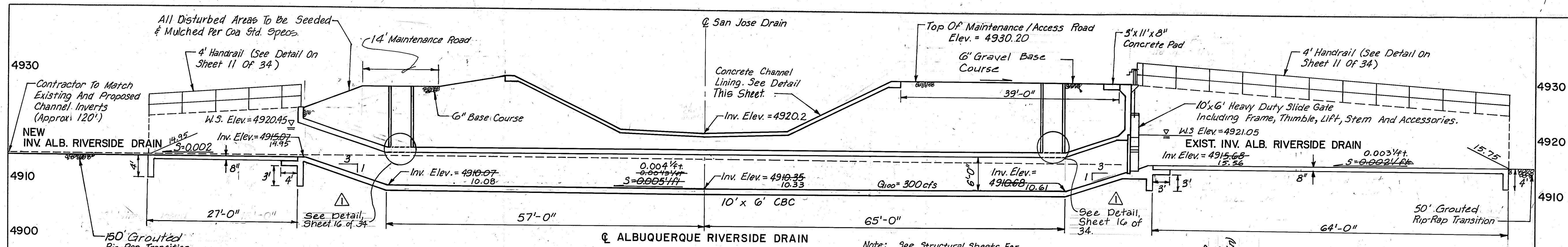
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
			FIELD NOTES		CONTRACTOR		
			NO.	BY	DATE	WORK STARTED BY	DATE
						ACCEPTANCE BY	DATE
						FIELD VERIFICATION BY	DATE
						CORRECTED BY	DATE
						MICRO-FILM INFORMATION	
						RECORDED BY	DATE
						NO.	
REMARKS		REVISIONS		DESIGN		MICRO-FILM INFORMATION	
NO. DATE							
DESIGNED BY	J.M.S.	DATE	4/91				
DRAWN BY	K.D.B./E.L.O.	DATE	4/91				
CHECKED BY	S.J.M.	DATE	4/91				

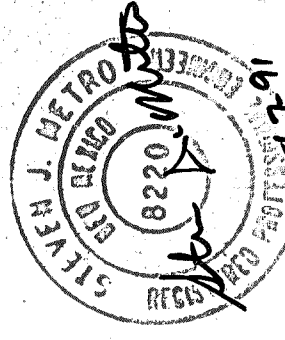
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

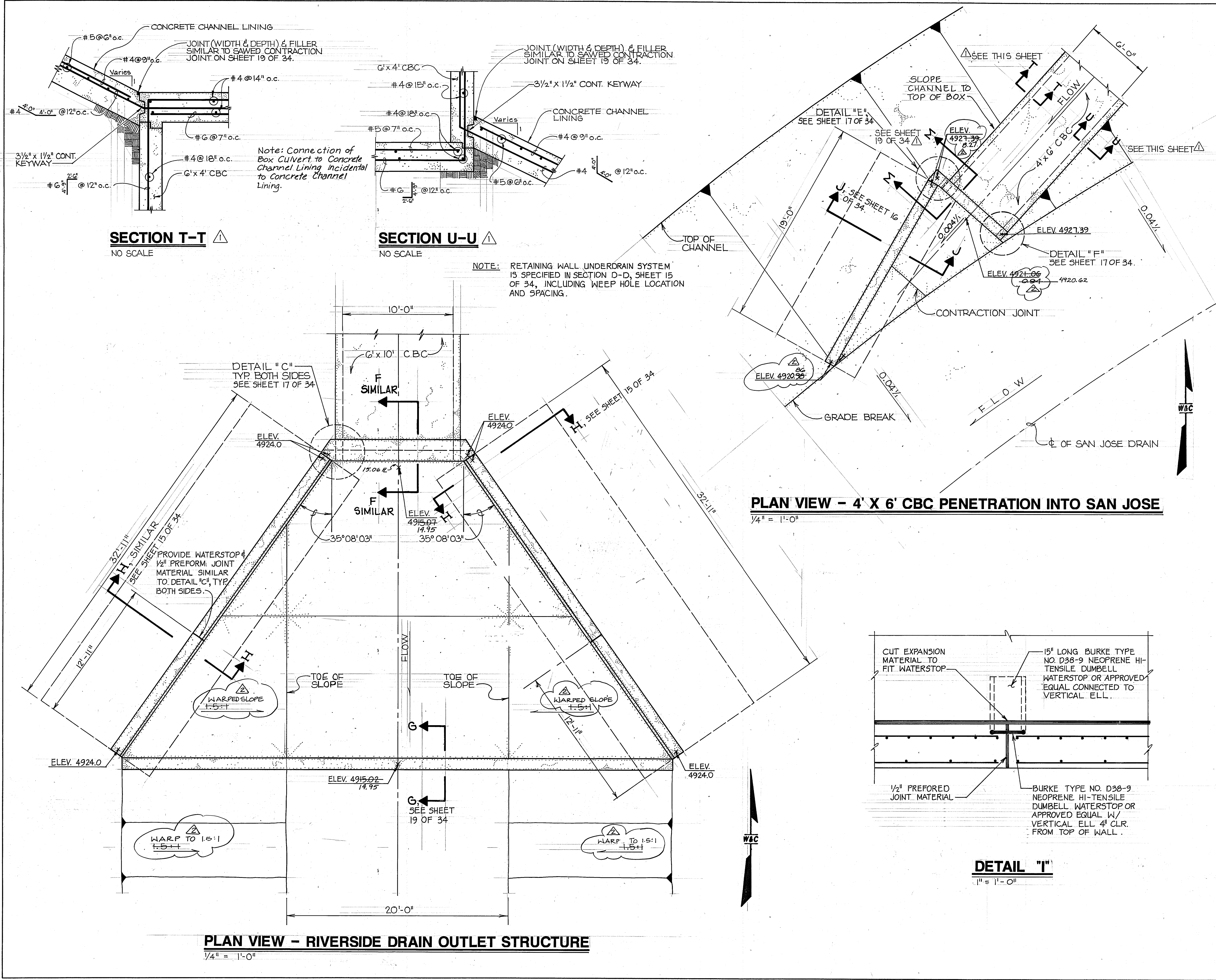
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE
PLAN & PROFILE
STA. 68+00 TO STA. 80+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	NA	10/20/91	Water	NA	10-27-91
Transportation	NA	10-17-91	Waste Water	NA	..
Hydrology	CAM	10-17-91			





4930	4920	4910	4900	RECORD DRAWING DATE _____															
AS BUILT INFORMATION CONTRACTOR NOTED BY STAKED BY DATE INSPECTORS ELEVATION BY FIELD DATE VERIFICATION BY DATE CORRECTED BY DATE MICRO-FILM INFORMATION RECORDED BY DATE NO.				BENCH MARKS BM No. 4-Q13, A CORP. OF ENGINEER BRASS CAP IN CONCRETE STAMPED "4957.368" LOCATED AT THE NORTHWEST CORNER OF THE BRIDGE AT THE RAILROAD TRACKS AND THE DIVERSION CHANNEL AT SECOND STREET, SW. ELEVATION 4957.368				SURVEY INFORMATION FIELD NOTES NO. BY DATE				ENGINEER'S SEAL 				REVISIONS			
																DESIGN			
																DESIGNED BY J.M.S. DATE 9/91			
																DRAWN BY K.B.D. DATE 9/91			
																CHECKED BY S.J.M. DATE 9/91			
																REVISIONS			
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AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	WORK	DATE	BM No. 4-Q3, A CORP OF ENGINEER BRASS	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
CONTRACTOR	WORK	DATE	CAP IN CONCRETE STAMPED "4957368"	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
CONTRACTOR	WORK	DATE	LOCATED AT THE NORTHWEST CORNER OF THE	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
CONTRACTOR	WORK	DATE	BRIDGE AT THE RAILROAD TRACKS AND THE	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
CONTRACTOR	WORK	DATE	DIVERSION CHANNEL AT SECOND STREET, SW	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
CONTRACTOR	WORK	DATE	ELEVATION 4957.368	DATE	BY	NO.	DATE	BY	NO.	DATE	BY

RECORD DRAWING
DATE _____

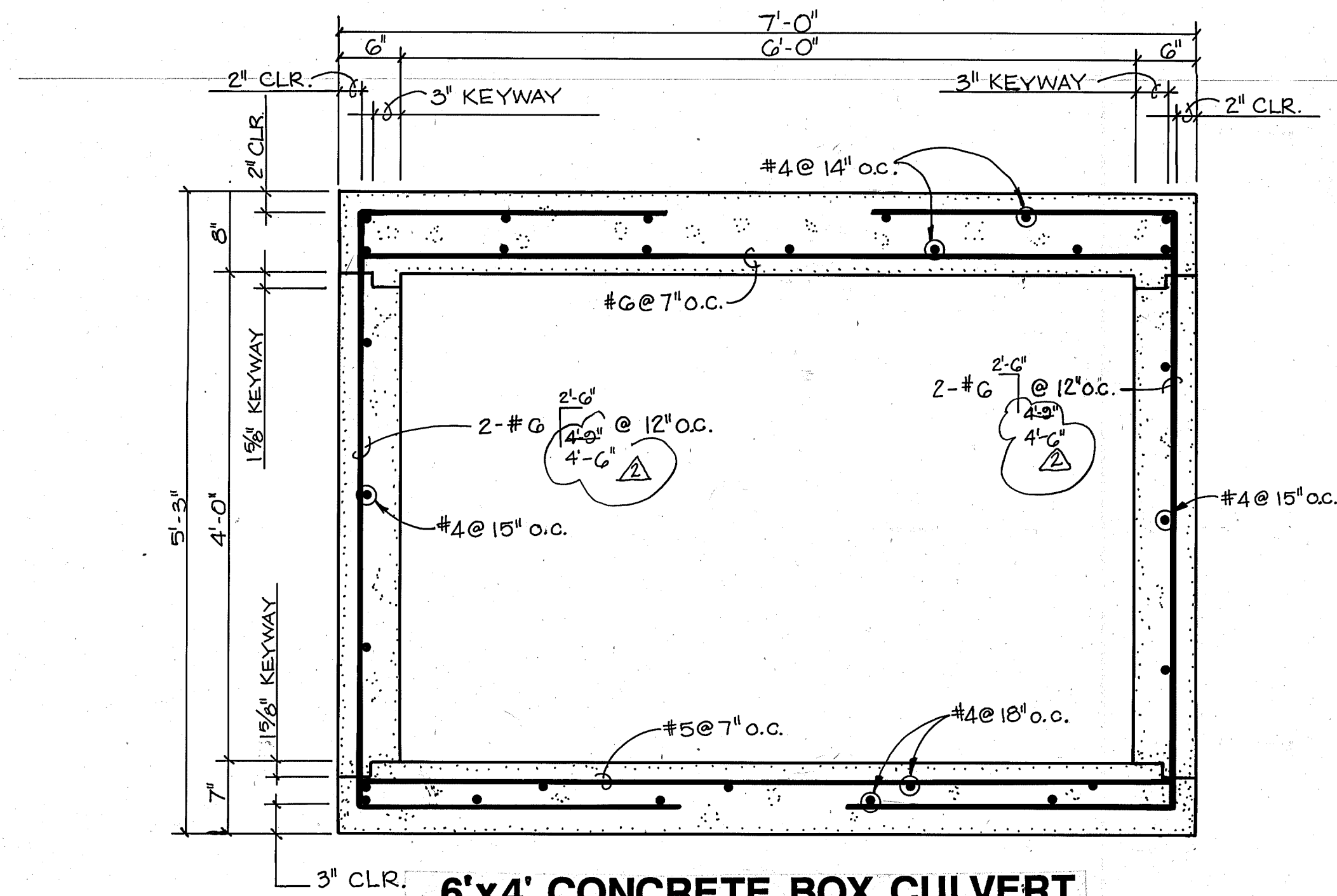
**CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP**

TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE

OUTLET STRUCTURE - PLAN VIEW

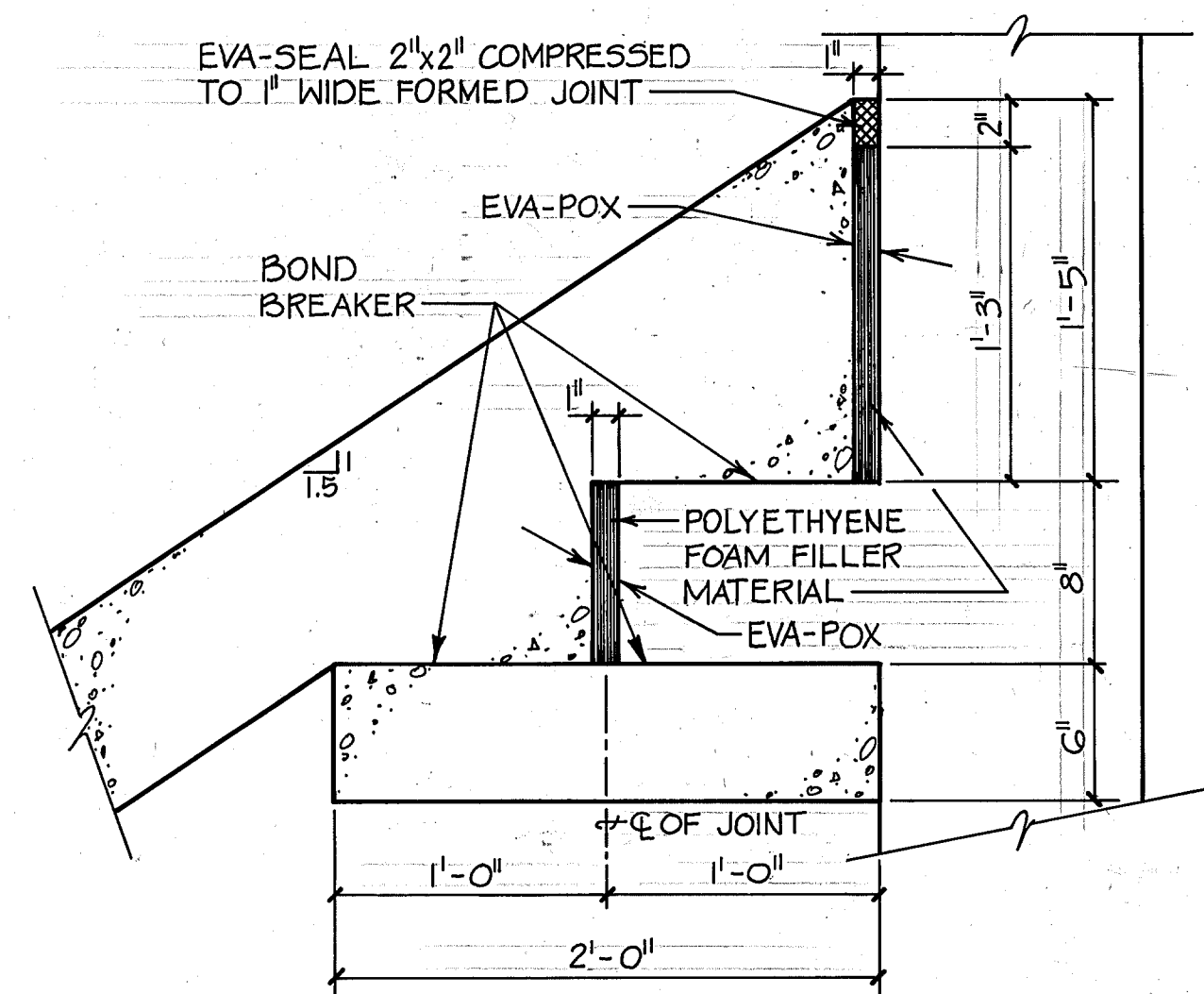
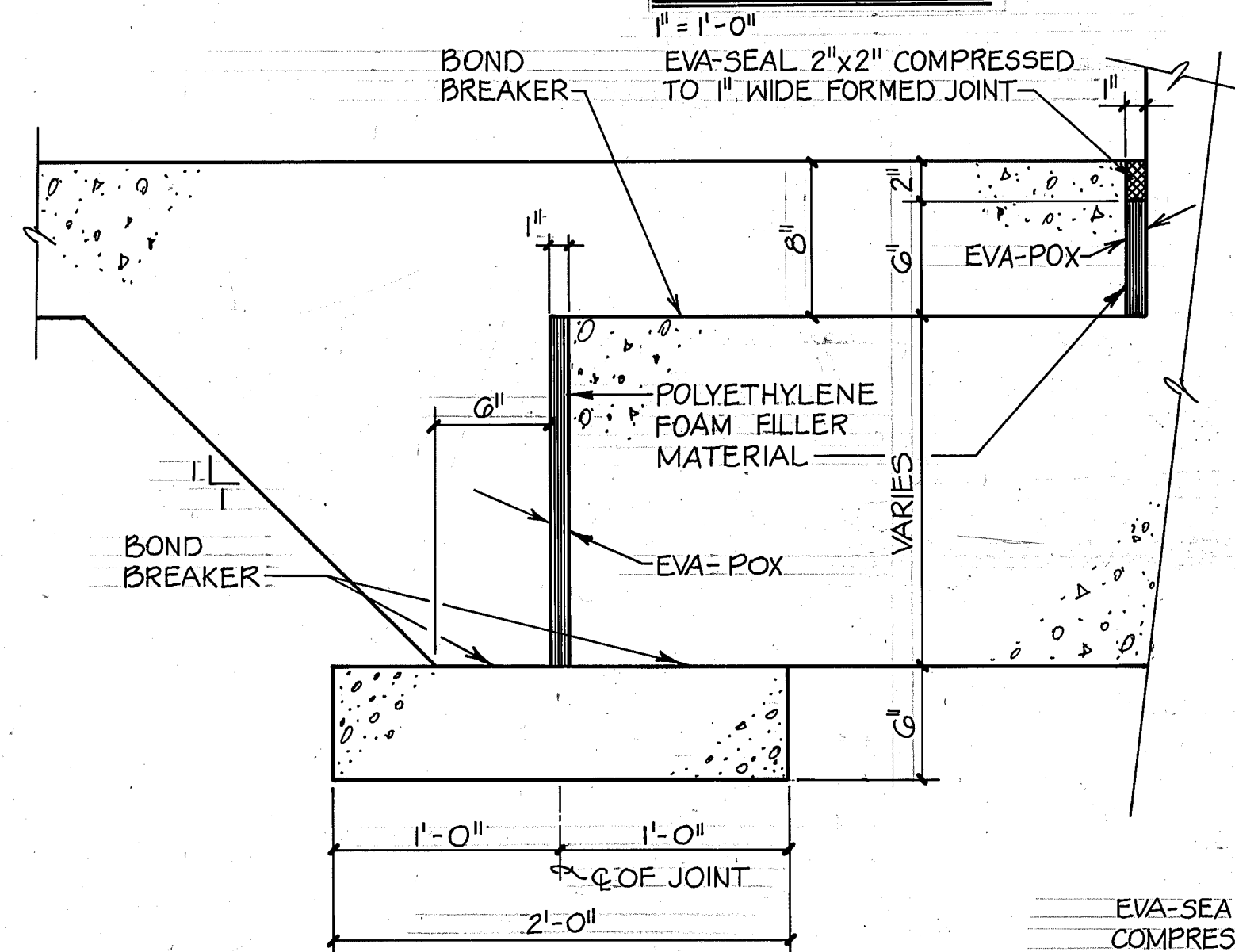
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	10/17/91	Water	<i>[Signature]</i>	10/17/91
Transportation	<i>[Signature]</i>	10/17/91	Waste Water	<i>[Signature]</i>	10/17/91
Hydrology	<i>[Signature]</i>	10/17/91			

DRAWING NO. **4060** MAP NO. **P.Q-13** SHEET **14** OF **34**



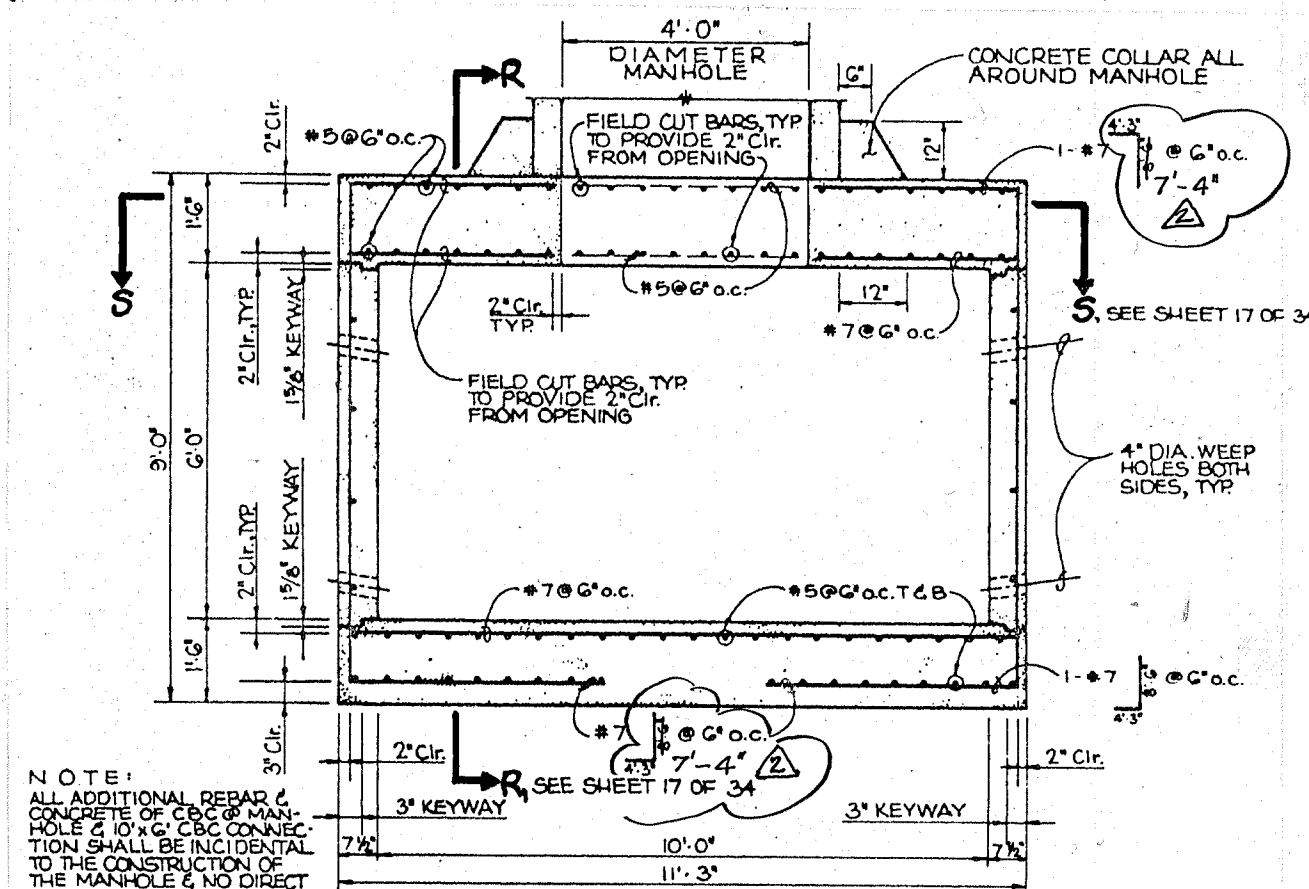
6'x4' CONCRETE BOX CULVERT

SECTION N-N



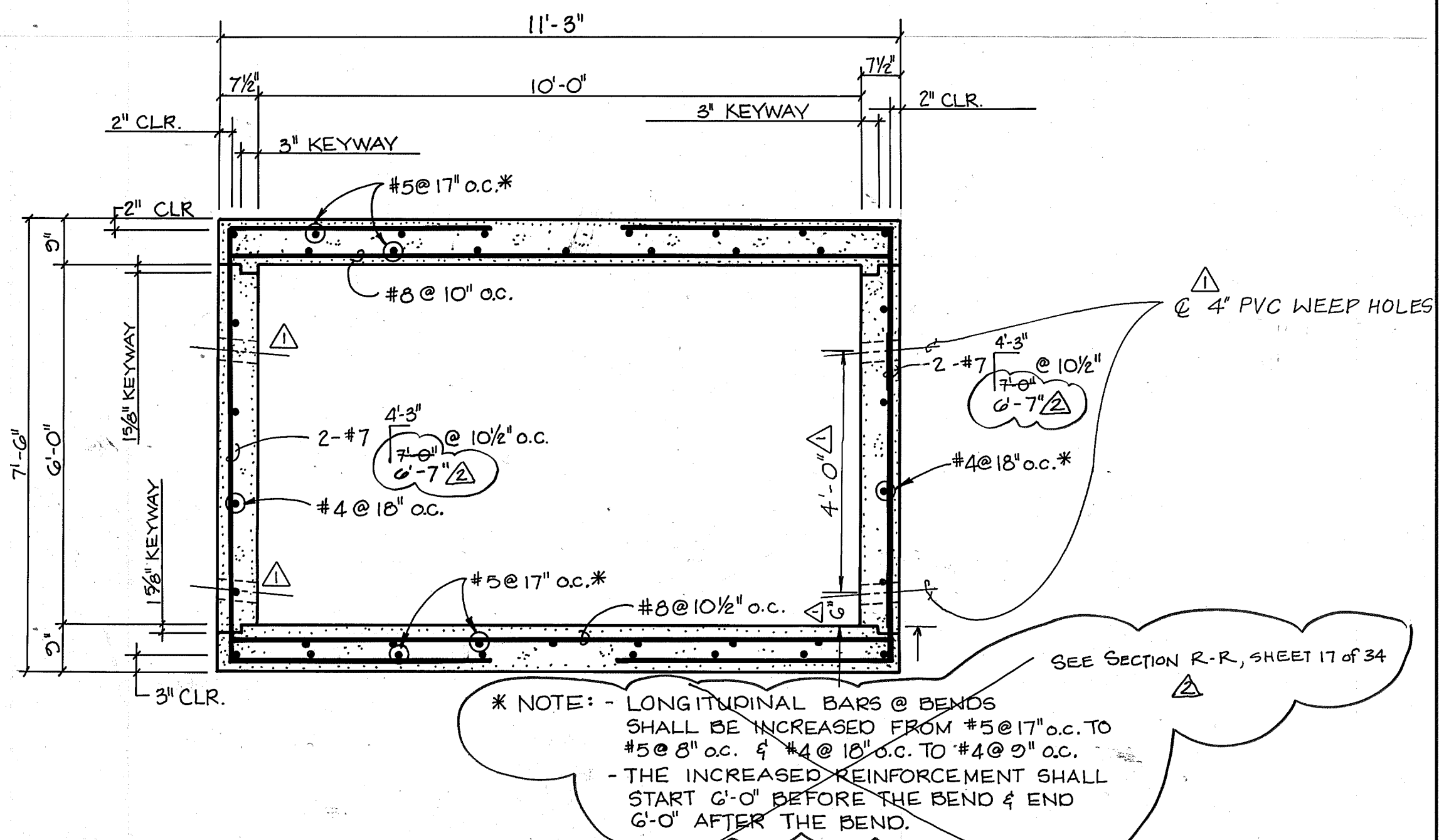
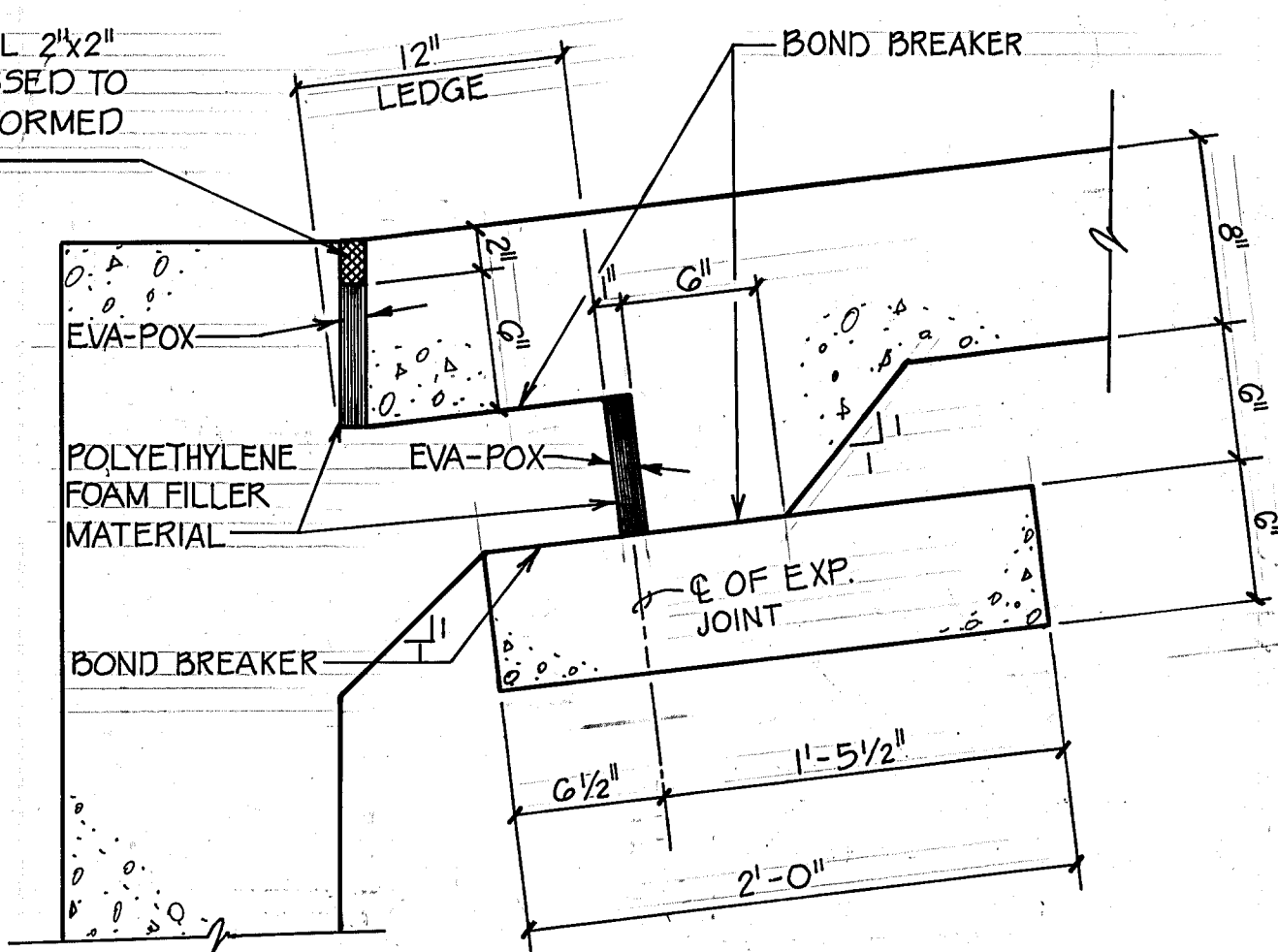
TYPICAL JOINT DETAILS

1 1/2" = 1'-0"



MANHOLE AND 10' X 6' CBC CONNECTION DETAIL

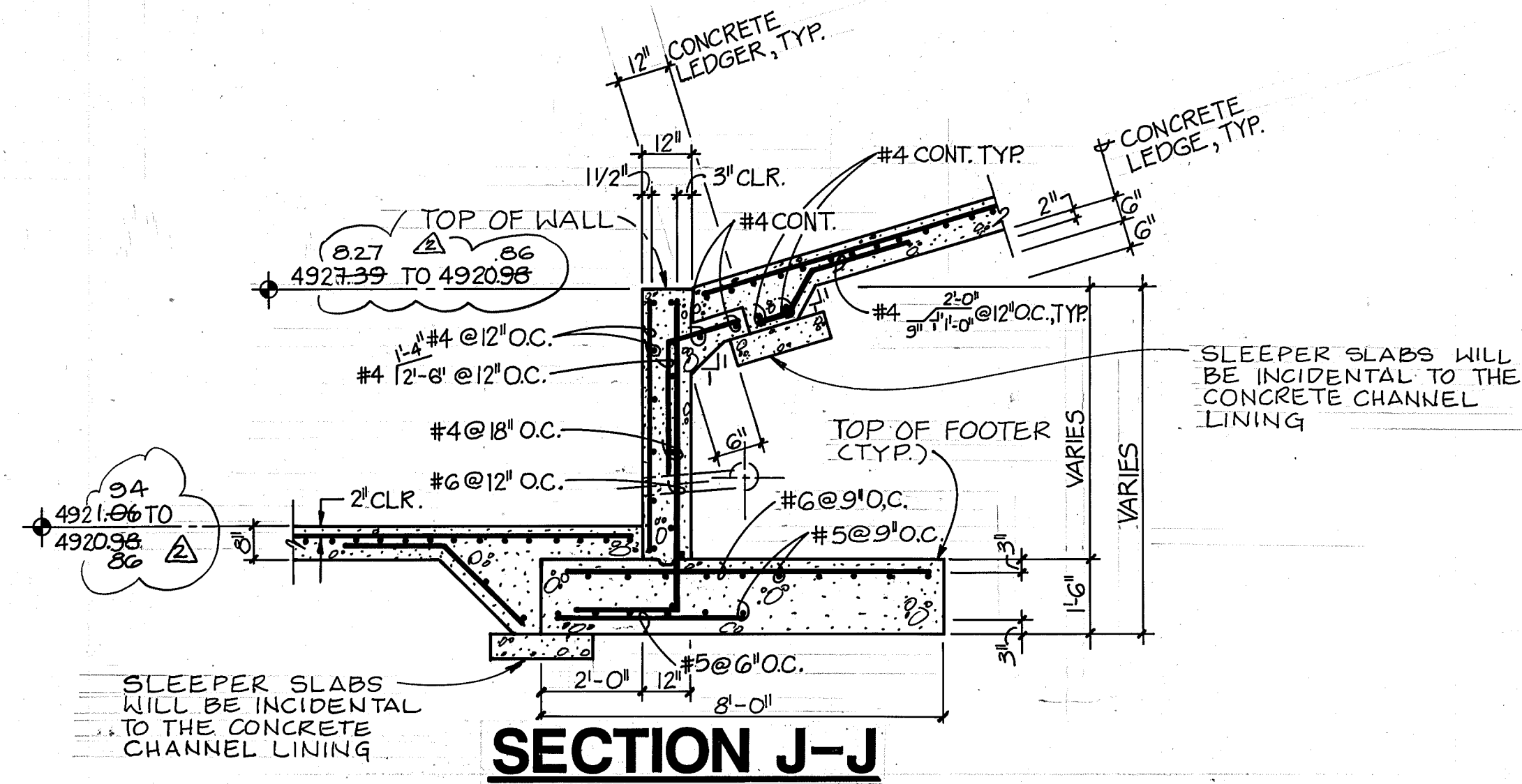
NO SCALE



10'x6' CONCRETE BOX CULVERT

SECTION O-O

1/2" = 1'-0"



SECTION J-J

NOT TO SCALE

- NOTES:**
1. TOP OF RETAINING WALL SHOULD MATCH ADJACENT CONCRETE CHANNEL LINING.
 2. UNDERDRAIN SYSTEM BEHIND WALL SIMILAR TO UNDERDRAIN SYSTEM INDICATED IN SECTION D-D, SHEET 15 OF 34.
 3. CUT VERTICAL AND HORIZONTAL WALL REINFORCEMENT TO PROVIDE A 2" CLEARANCE AT THE TOP OF WALL, AS WALL VARIES IN HEIGHT.

RECORD DRAWING
DATE

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

TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE

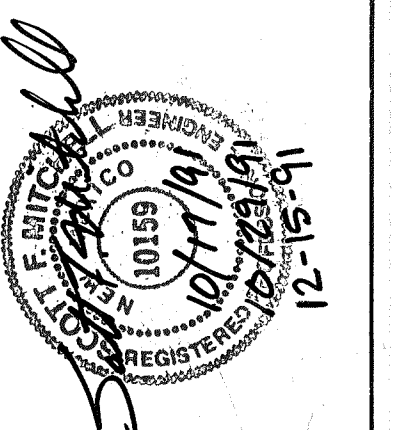
STRUCTURE DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	P. Q. 10/2/91	10/2/91	Water	10/2/91	10/2/91
Transportation	N/A RHO	10/17/91	Waste Water	RHO	10/17/91
Hydrology	CAM	10/17/91			

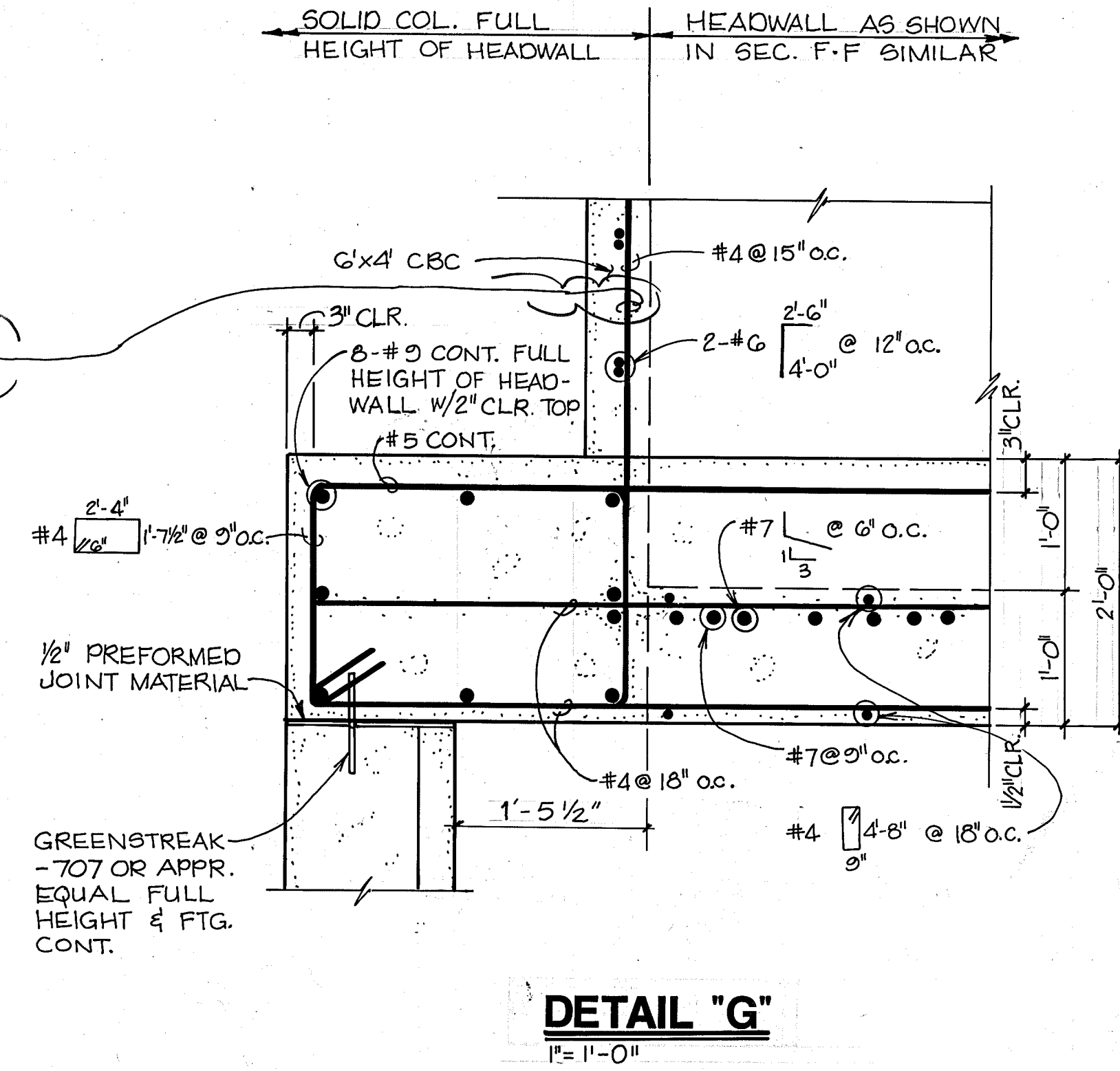
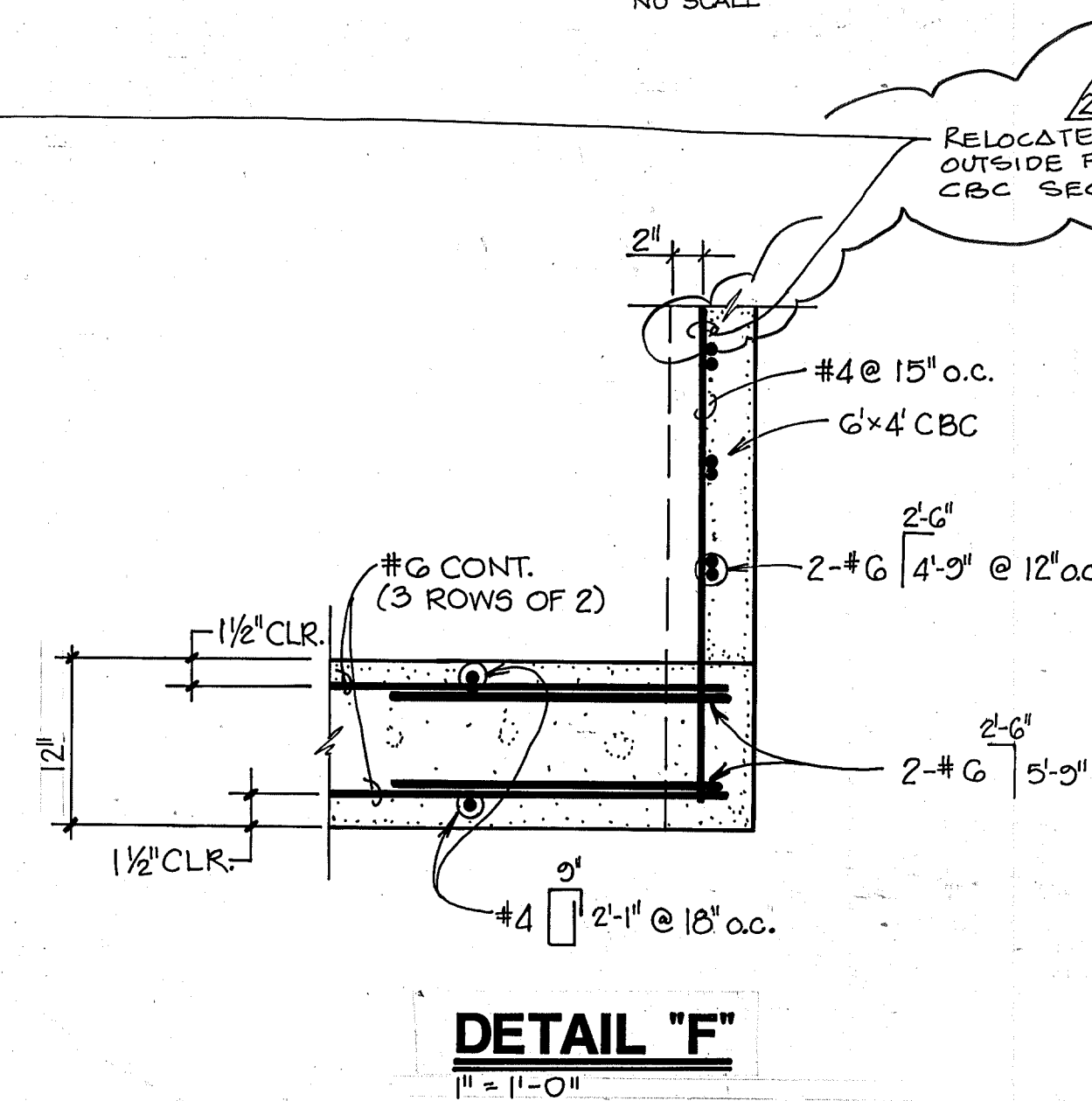
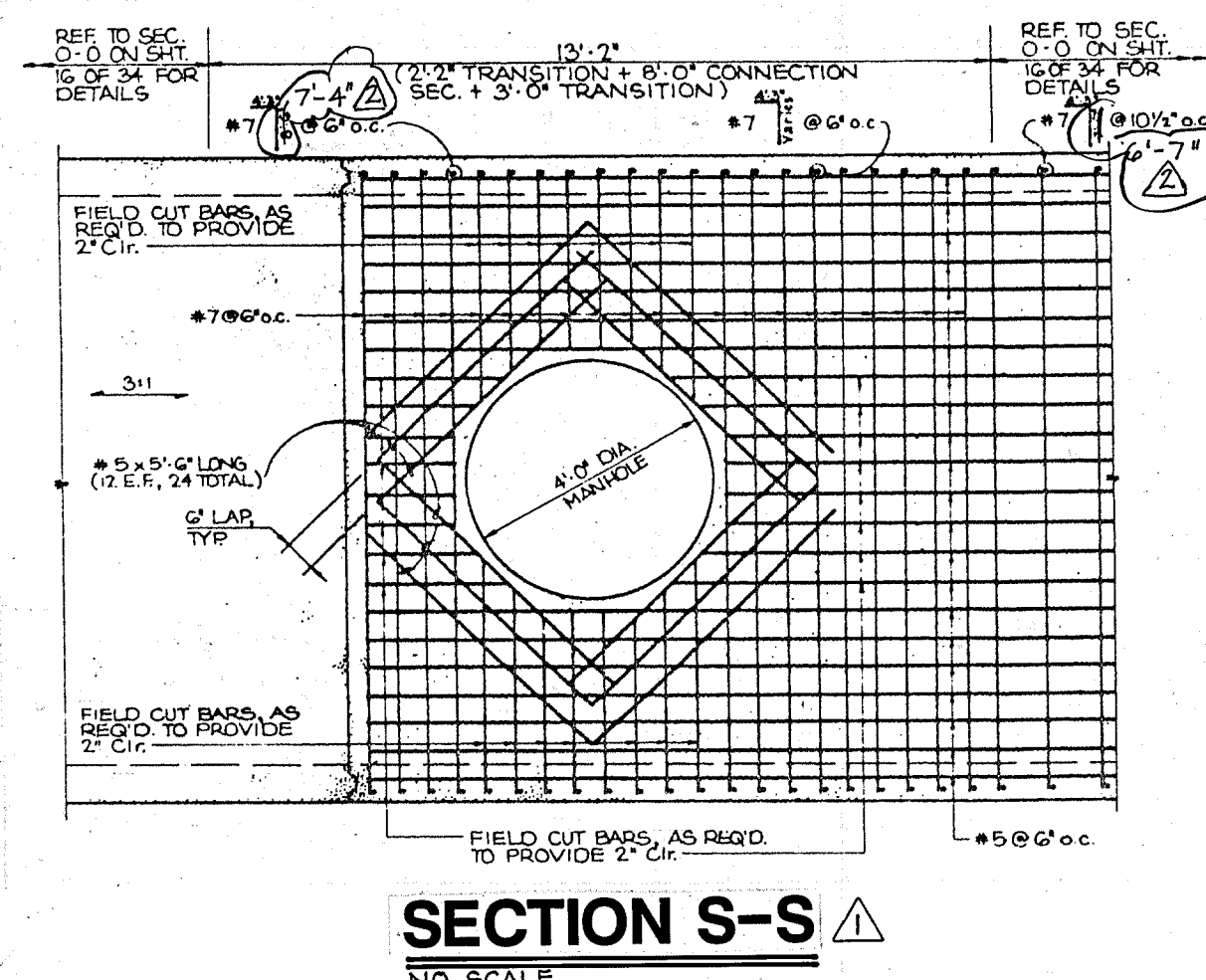
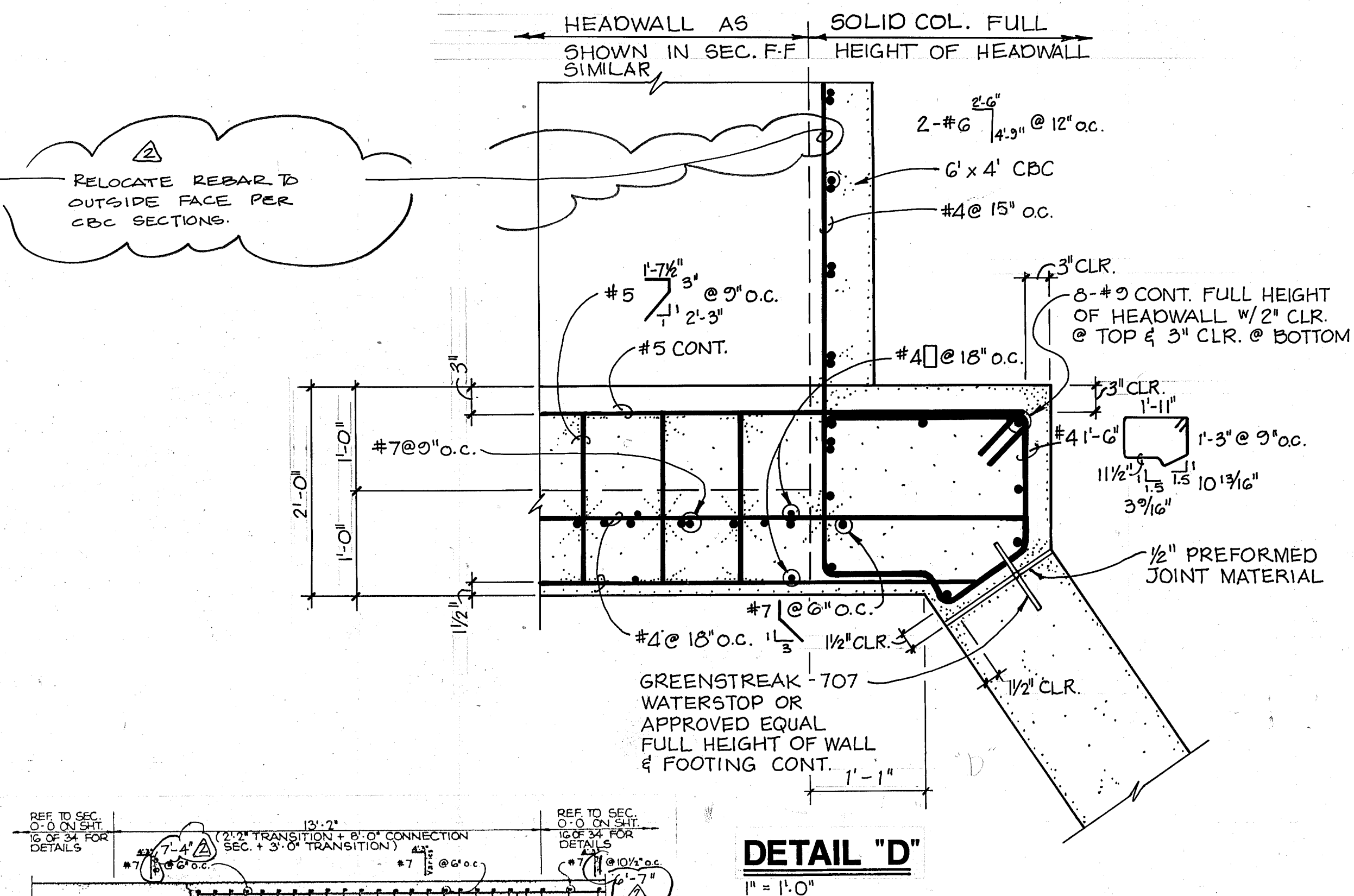
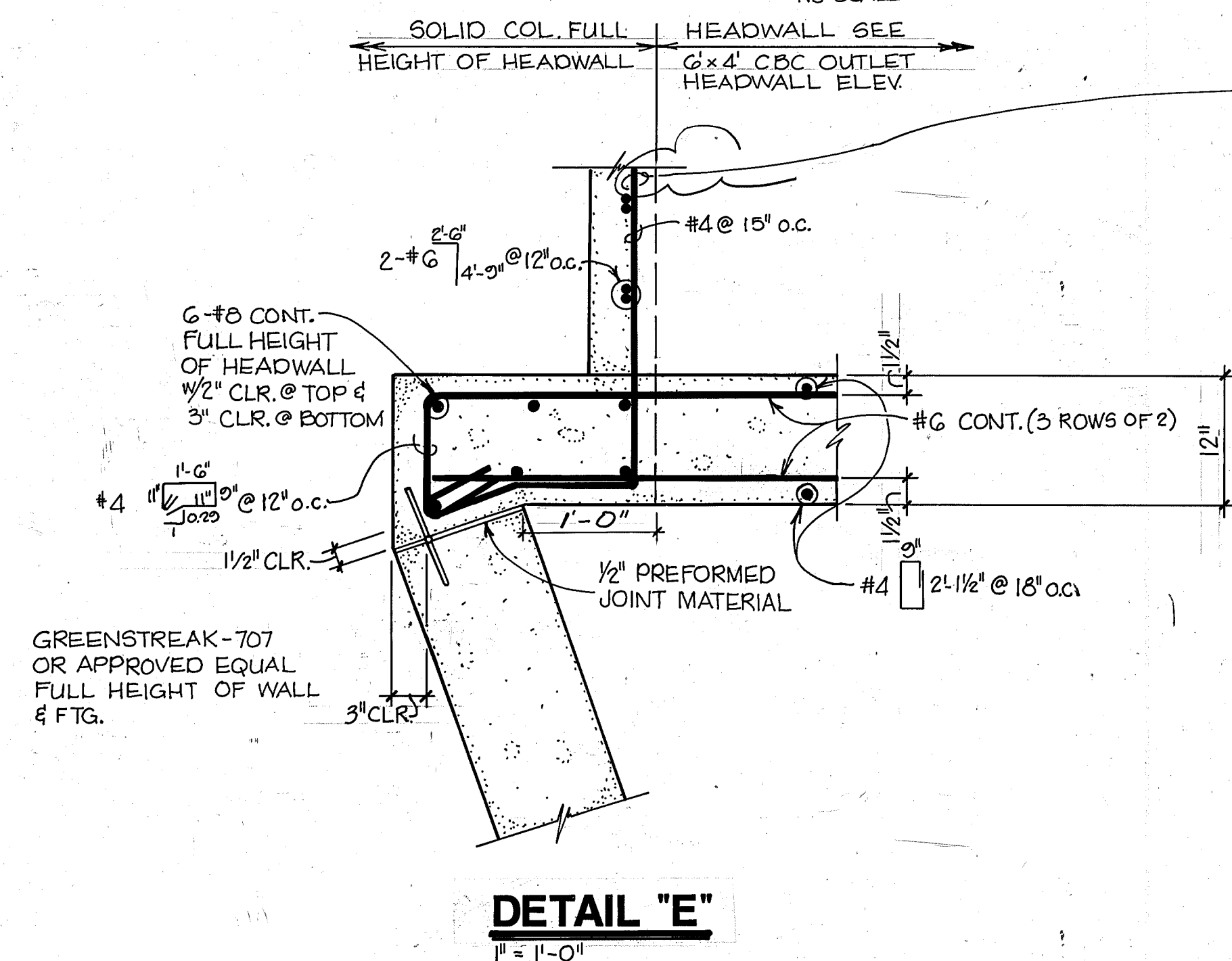
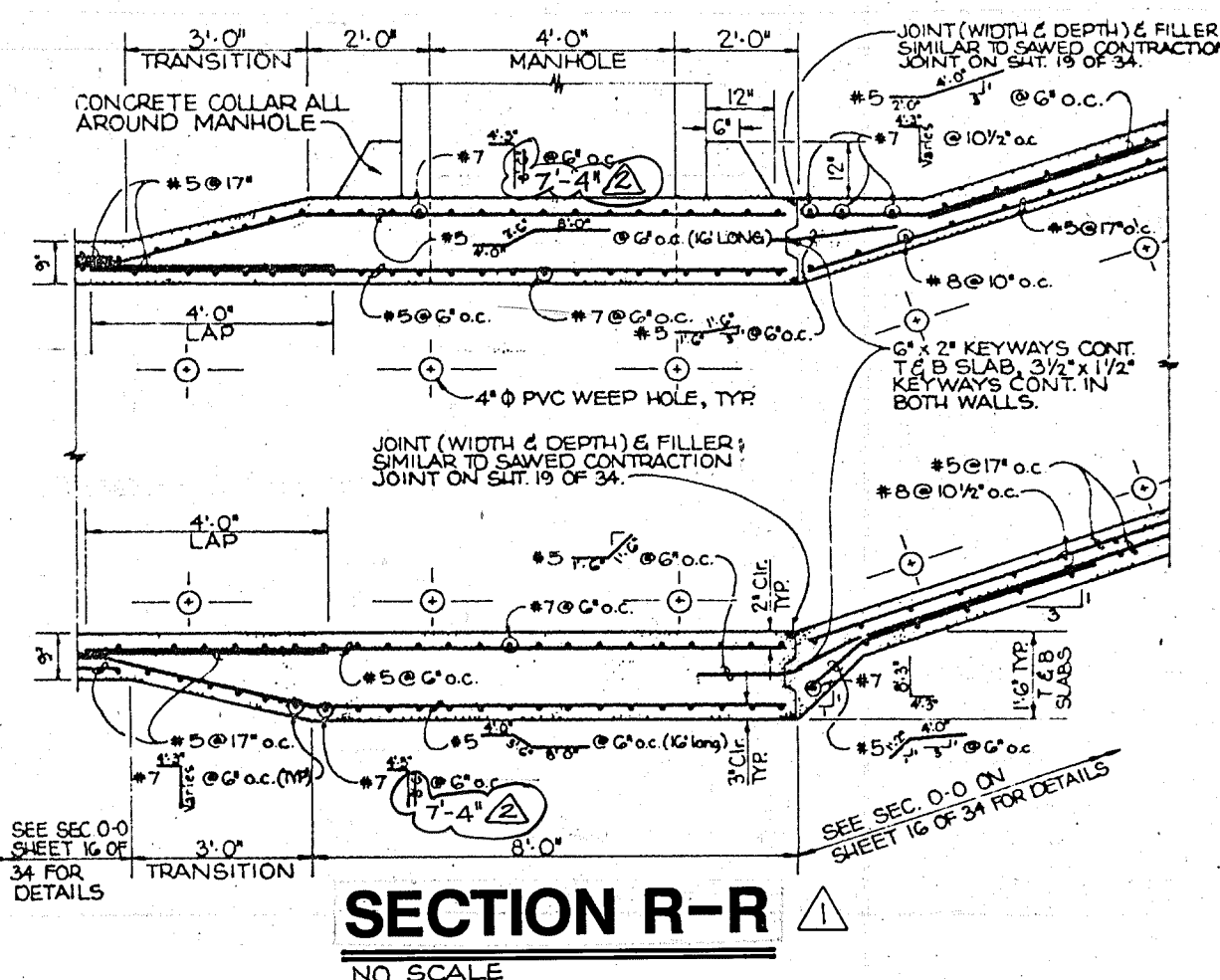
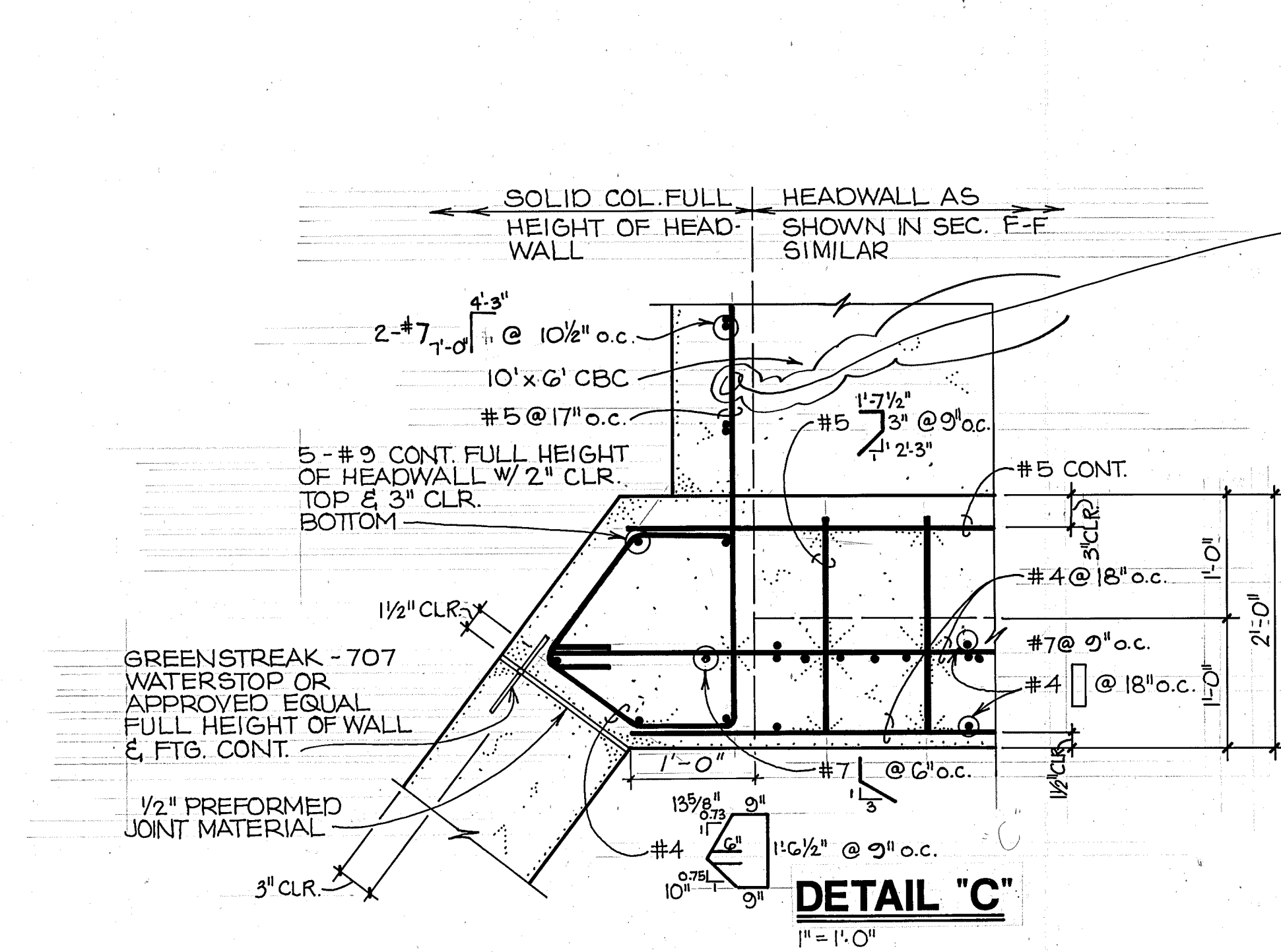
DRAWING NO.	4060	MAP NO.	P.Q-13	SHEET	16	OF	34
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**WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE, NEW MEXICO**

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES		ENGINEER'S SEAL	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	BY	NO.	BY	NO.	BY
BM No. 4-QB, A CORP. OF ENGINEER BRASS	DATE	BM No. 4-QB, A CORP. OF ENGINEER BRASS	DATE						
CAP IN CONCRETE STAMPED "4957368"	DATE	CAP IN CONCRETE STAMPED "4957368"	DATE						
LOCATED AT THE NORTHWEST CORNER OF THE	DATE	LOCATED AT THE NORTHWEST CORNER OF THE	DATE						
BRIDGE AT THE RAILROAD TRACKS AND THE	DATE	BRIDGE AT THE RAILROAD TRACKS AND THE	DATE						
DIVERSION CHANNEL AT SECOND STREET SW.	DATE	DIVERSION CHANNEL AT SECOND STREET SW.	DATE						
RECORDED BY	DATE	RECORDED BY	DATE						
NO.		NO.							



REVISIONS	DESIGN	DATE	DATE	DATE
NO.	DATE	DATE	DATE	DATE
1	10/2/91	10/2/91	10/2/91	10/2/91
2	10/17/91	10/17/91	10/17/91	10/17/91
3	10/17/91	10/17/91	10/17/91	10/17/91

[illegible]

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 THE RIO GRANDE
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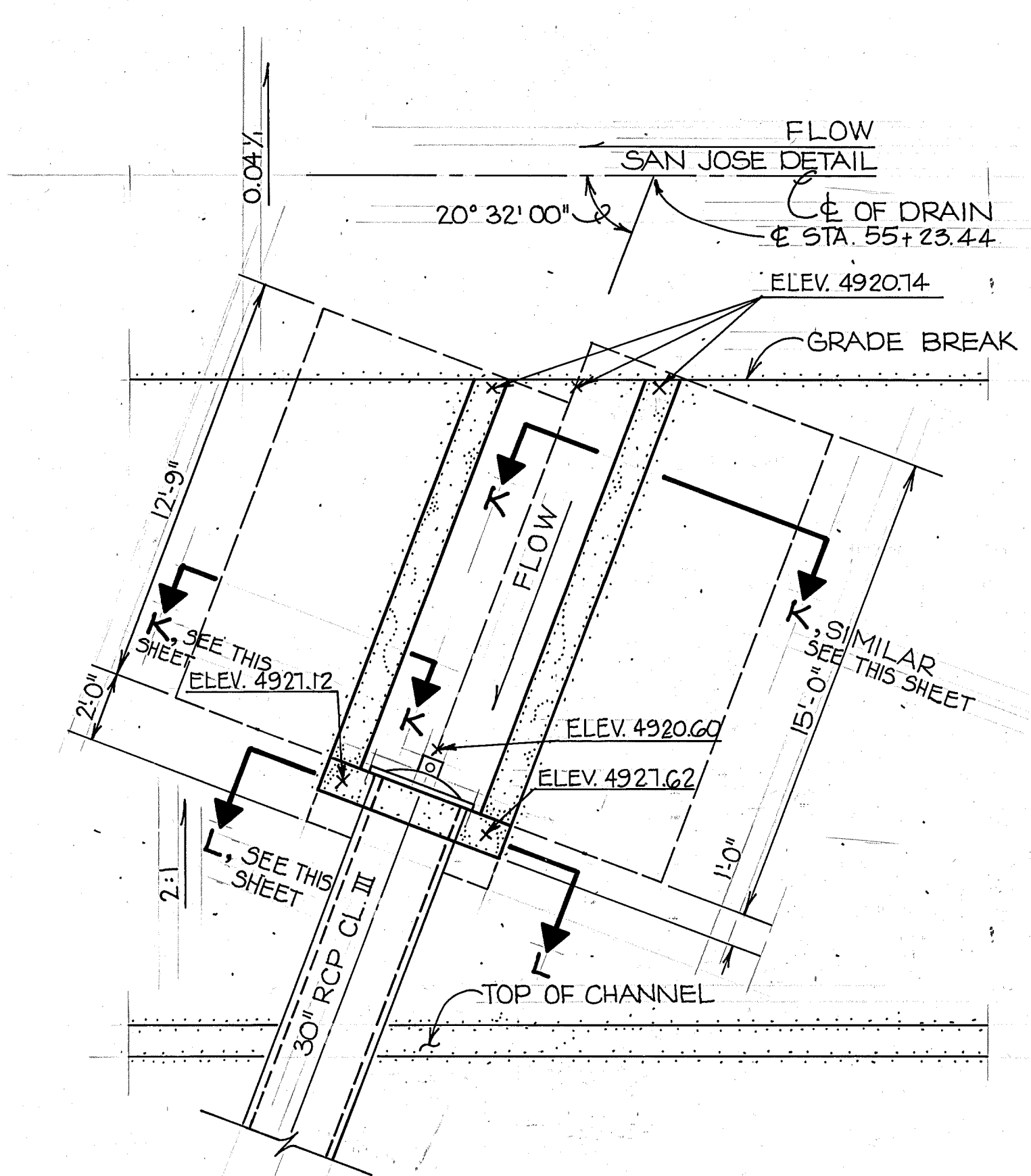
ROVALS	ENGINEER	DATE
Water	<i>ALD</i>	10-17-92
	<i>ALD</i>	

3 SHEET 17 OF 34

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE					
STRUCTURAL DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair.	<i>[Signature]</i>	10/22/91	Water	<i>[Signature]</i>	10-17-91
Transportation	N/A RHD	10-17-91	Waste Water	<i>[Signature]</i>	
Hydrology	C.R.M.	10-17-91			
DRAWING NO.		MAP NO.		SHEET OF	
4060		P.Q-13		17 34	

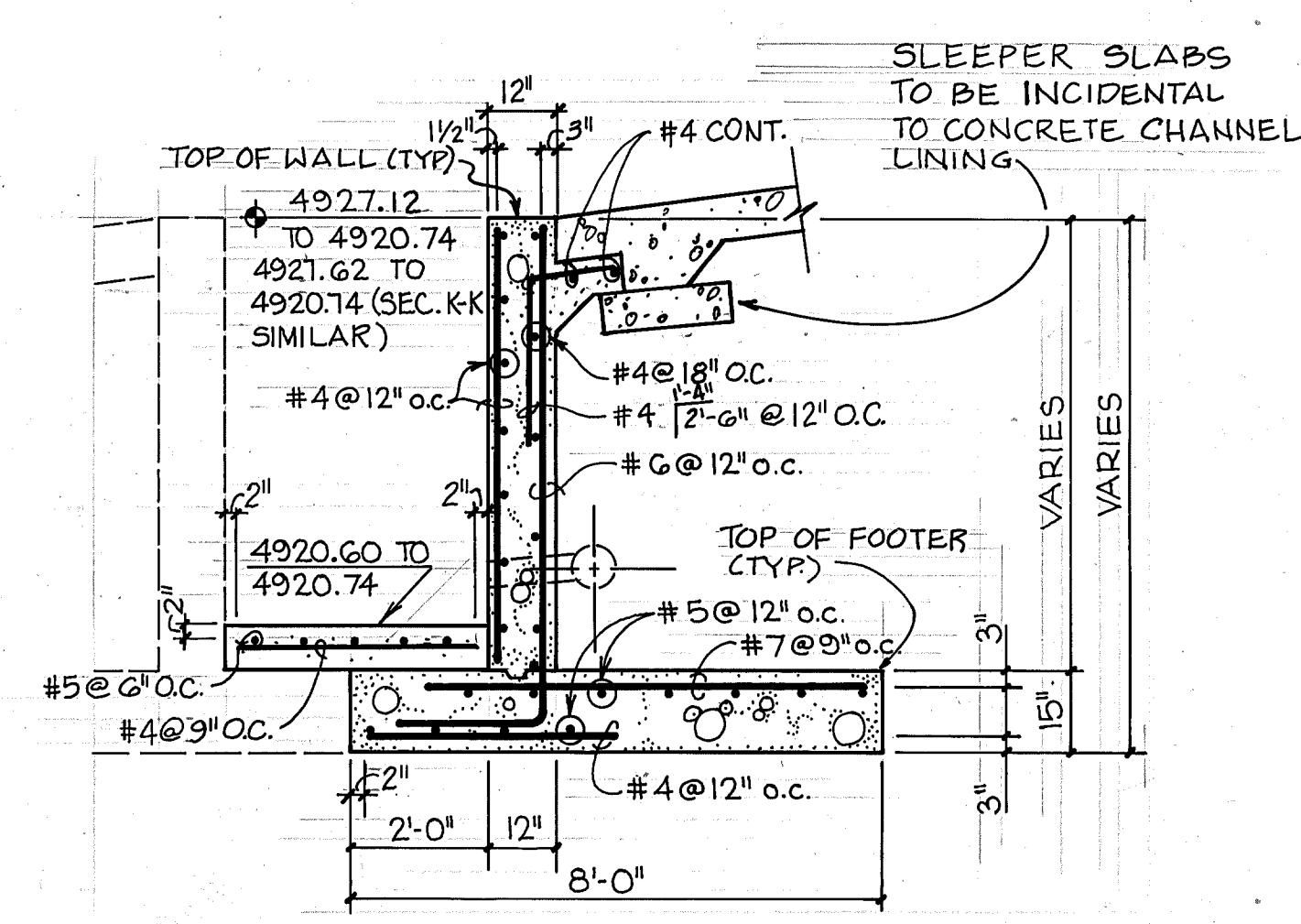
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	10/22/91	Water	<i>[Signature]</i>	10-17-91
Transportation	N/A RHD	10-17-91	Waste Water	<i>[Signature]</i>	.
Hydrology	CAM	10-17-91			

DRAWING NO.	4060	MAP NO. P.Q-13	SHEET 17 OF 34
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PLAN VIEW - 30" RCP INLET STRUCTURE

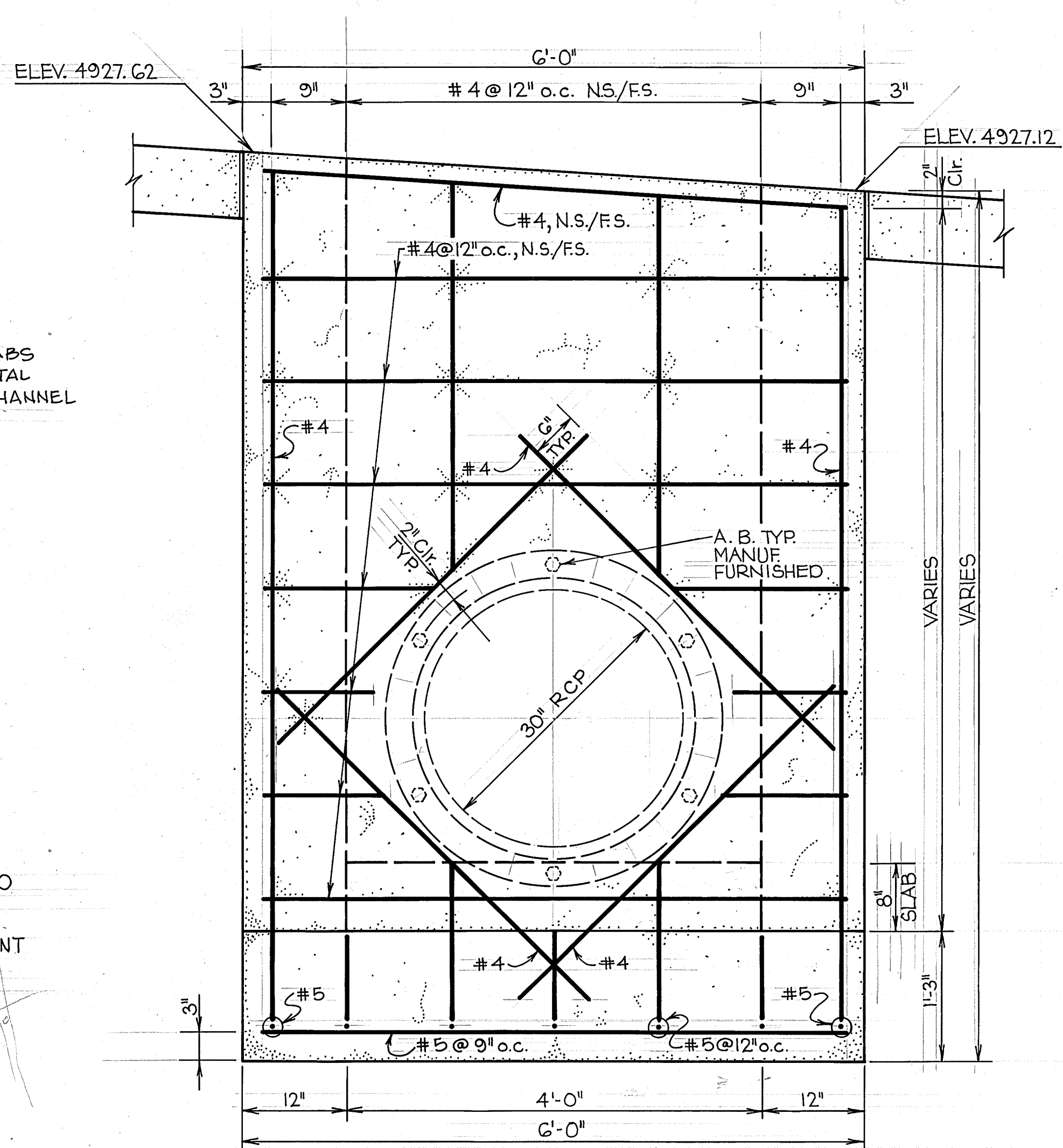
1/4" = 1'-0"
NOTE: MATCH WALL SLOPE TO CHANNEL SIDE SLOPE.



SECTION K-K

3/8" = 1'-0"

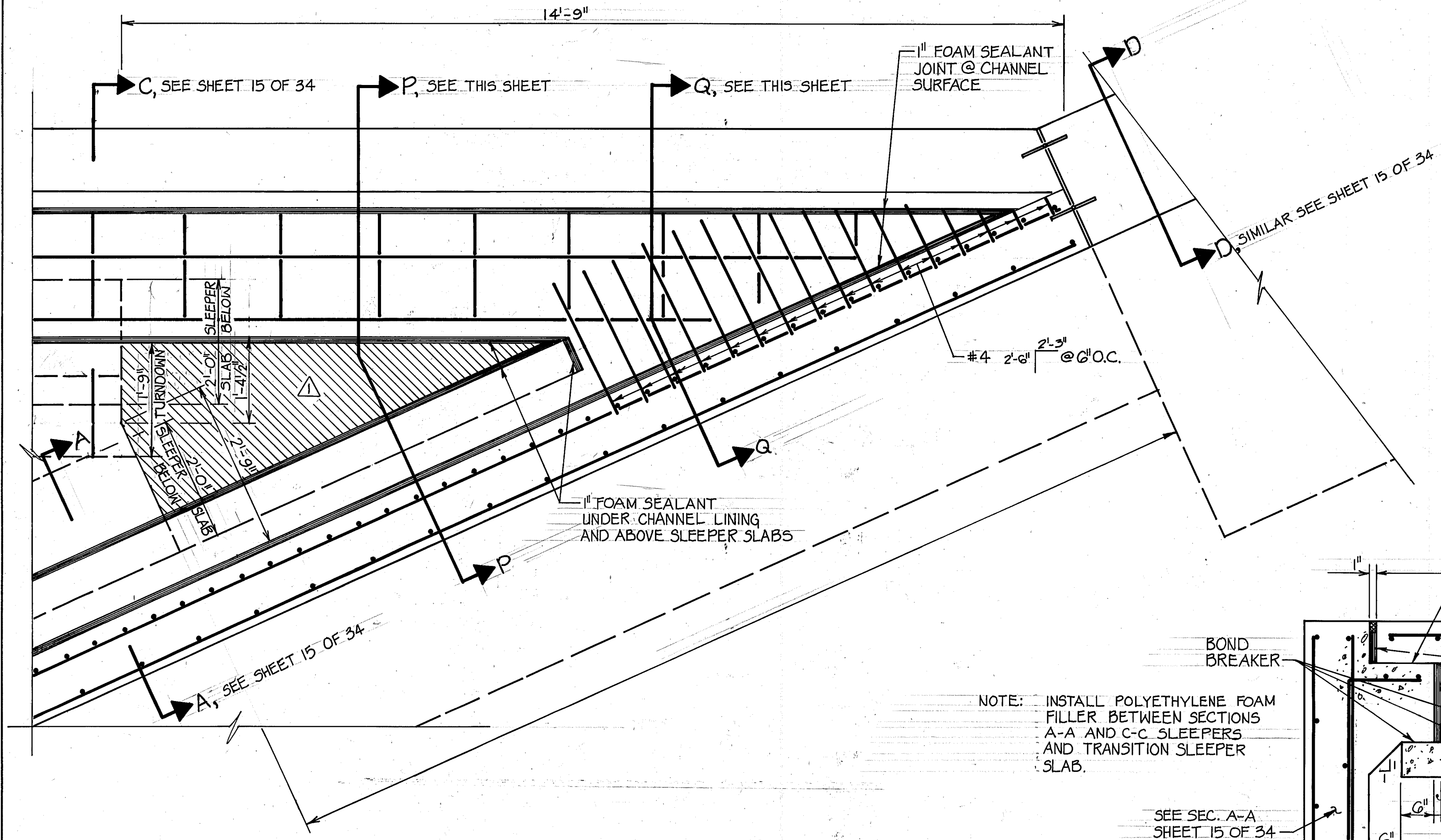
- NOTES:
1. UNDERDRAIN SYSTEM BEHIND WALL SIMILAR TO UNDERDRAIN SYSTEM INDICATED IN SECTION D-D SHEET 15 OF 34.
 2. TOP OF RETAINING WALL SHOULD MATCH ADJACENT CONCRETE CHANNEL LINING.



SECTION L-L

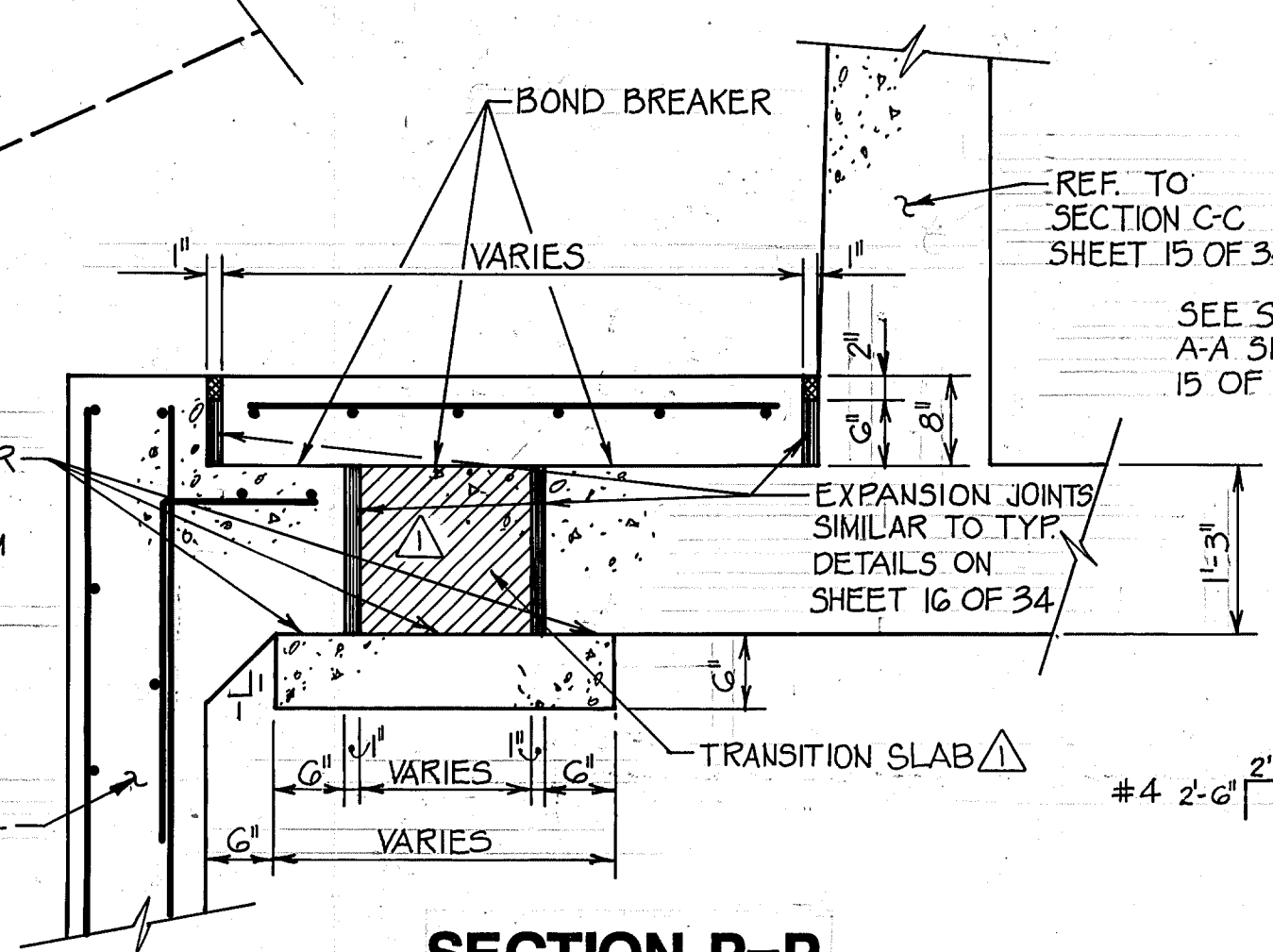
1" = 1'-0"

- NOTE:
1. N.S. - 1/2" CLEARANCE.
 2. CUT BOTH VERT. & HORIZ. REBAR TO PROVIDE 2" CLR. ALL AROUND 30" RCP
 3. DRILL & SET ANCHOR BOLTS IN EPOXY GROUT.
 4. TEMPLATE BOLT PATTERN FROM NEW SLUICE GATE.
 5. SPLICE TRANSVERSE #5 REBAR 2'-0" INTO WINGWALL FOOTINGS.
 6. PROVIDE GREENSTREAK-707 OR APPROVED EQUAL 1/2" PREFORMED JOINT MATERIAL (SIMILAR TO DETAIL "C") AT WINGWALL/HEADWALL INTERFACE.



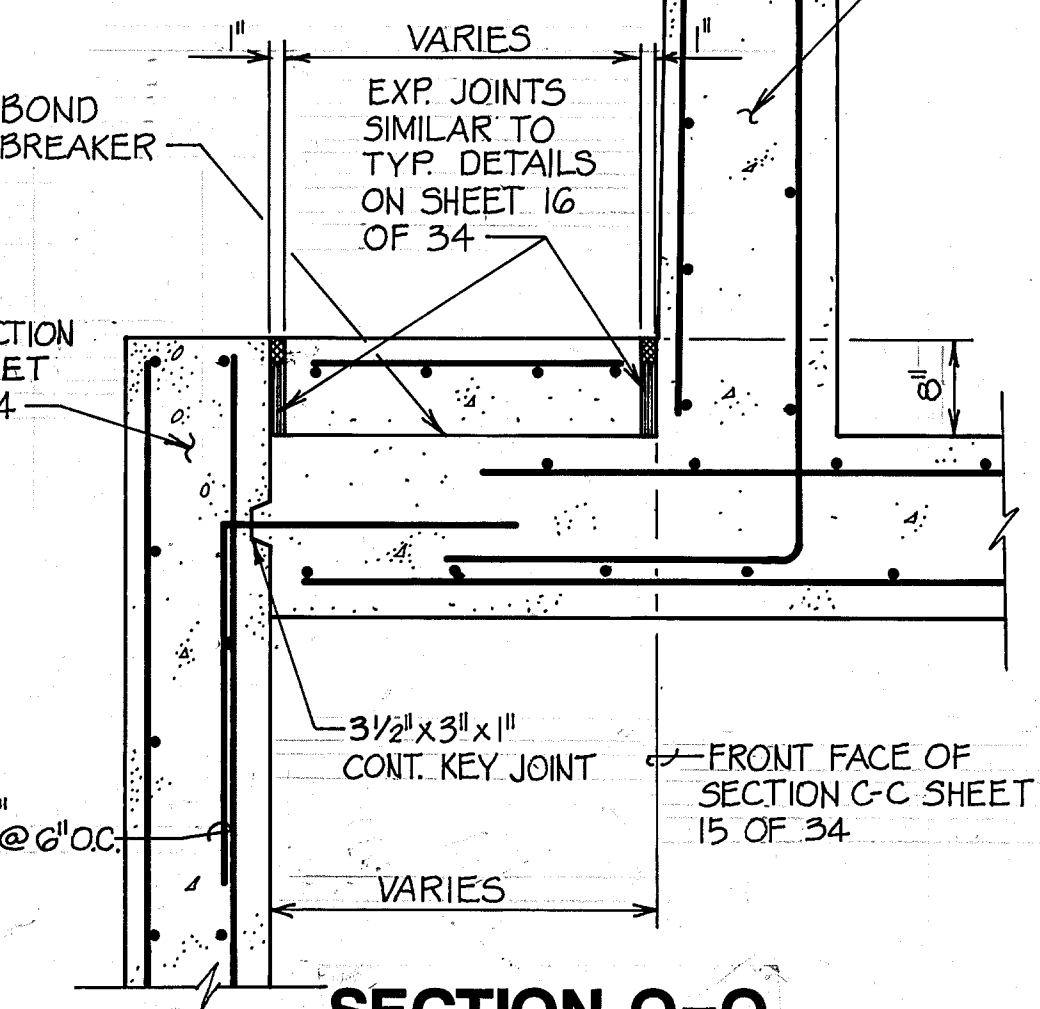
DETAIL "H"

3/4" = 1'-0"



SECTION P-P

3/4" = 1'-0"



SECTION Q-Q

3/4" = 1'-0"

AS BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	WORK	DATE	BM No. 4-013, A CORP OF ENGINEER BRASS	DATE	BY	NO.	BY	NO.	DATE	DATE	DATE
WORK	STAMPED	DATE	CAP IN CONCRETE STAMPED "4957.368"	DATE	BY	NO.	BY	NO.	DATE	DATE	DATE
FIELD	ACCEPTANCE	DATE	LOCATED AT THE NORTHWEST CORNER OF THE	DATE	BY	NO.	BY	NO.	DATE	DATE	DATE
DRAWING	BY	DATE	BRIDGE AT THE RAILROAD TRACKS AND THE	DATE	BY	NO.	BY	NO.	DATE	DATE	DATE
CORRECTED	BY	DATE	DIVERSION CHANNEL AT SECOND STREET, SW	DATE	BY	NO.	BY	NO.	DATE	DATE	DATE
MICRO-FILM	INFORMATION	DATE	ELEVATION 4957.368	DATE	BY	NO.	BY	NO.	DATE	DATE	DATE
RECORDED	BY	DATE		DATE	BY	NO.	BY	NO.	DATE	DATE	DATE
NO.											

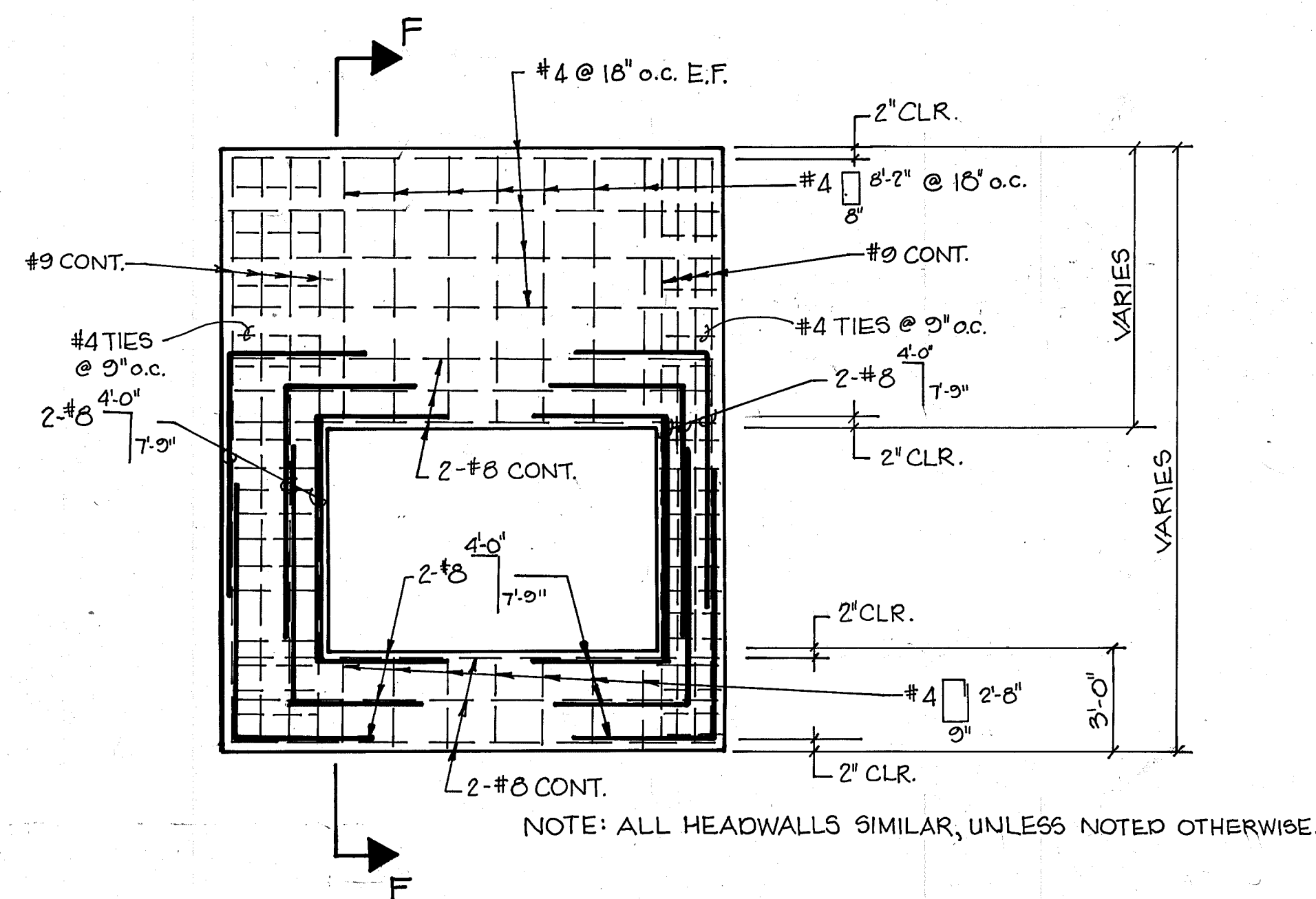
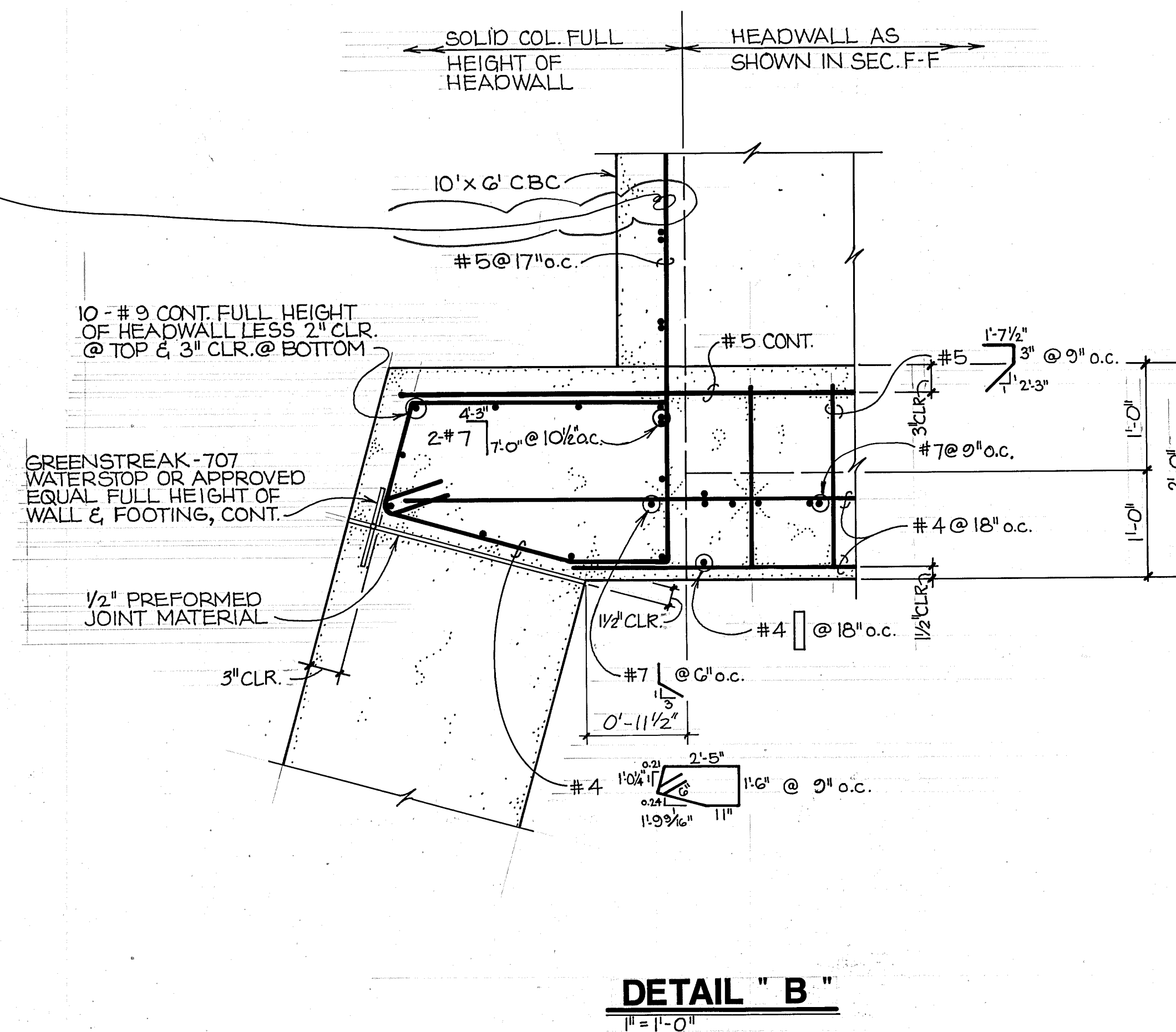
RECORD DRAWING
DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE
30" RCP INLET STRUCTURE
AND DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	10/22/91	10-22-91	Water	10-22-91	10-22-91
Transportation	10-17-91	10-17-91	Waste Water	10-17-91	10-17-91
Hydrology	10-17-91	10-17-91			

DRAWING NO. 4060 MAP NO. P.Q-13 SHEET 18 OF 34



6'x4' OUTLET HEADWALL ELEVATION

HEADWALL REBAR ELEVATION

SCALE: $\frac{1}{2}" = 1'-0"$

[illegible]

RECORD DRAWING
DATE _____

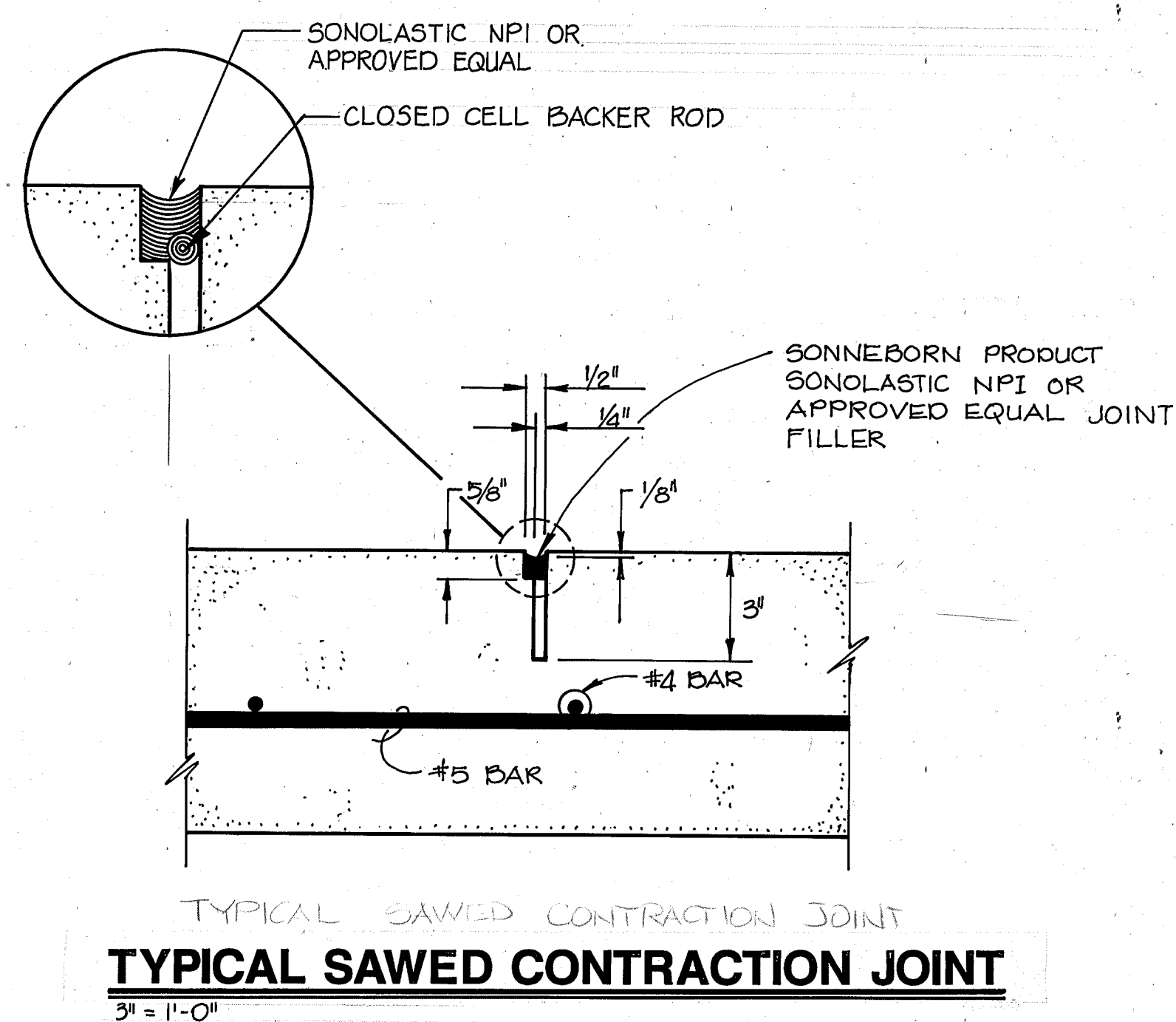
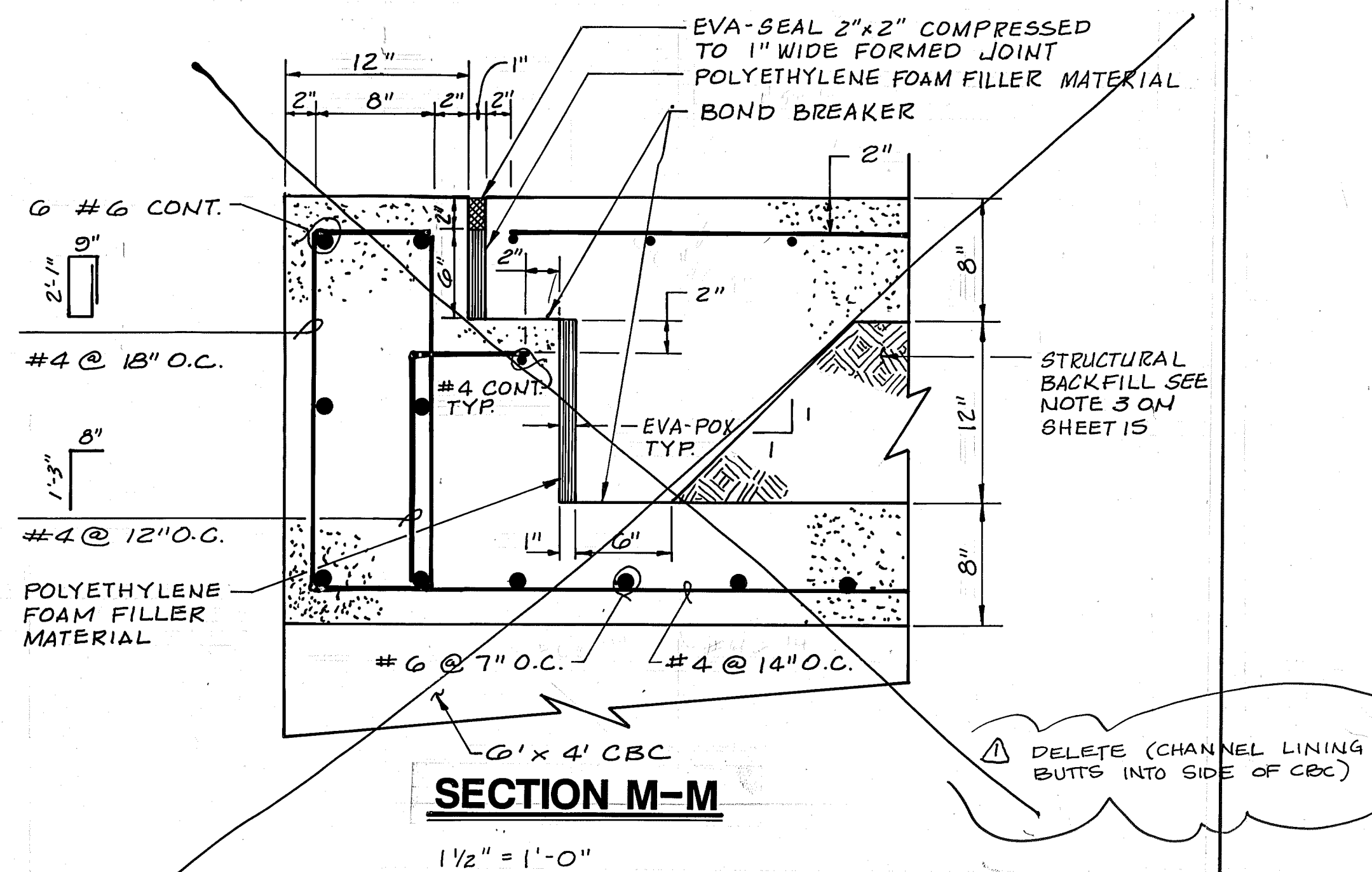
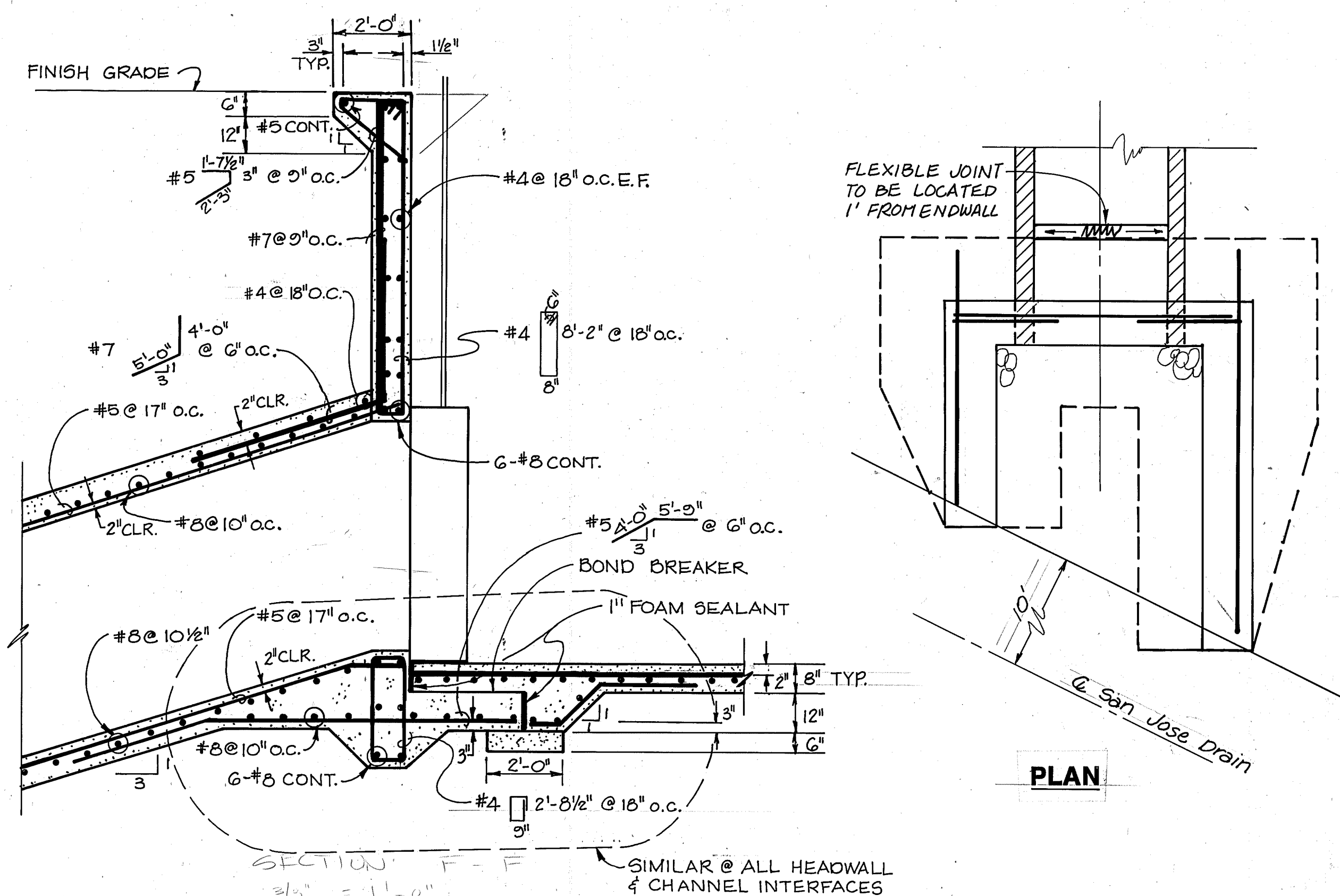
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE

STRUCTURAL DETAILS

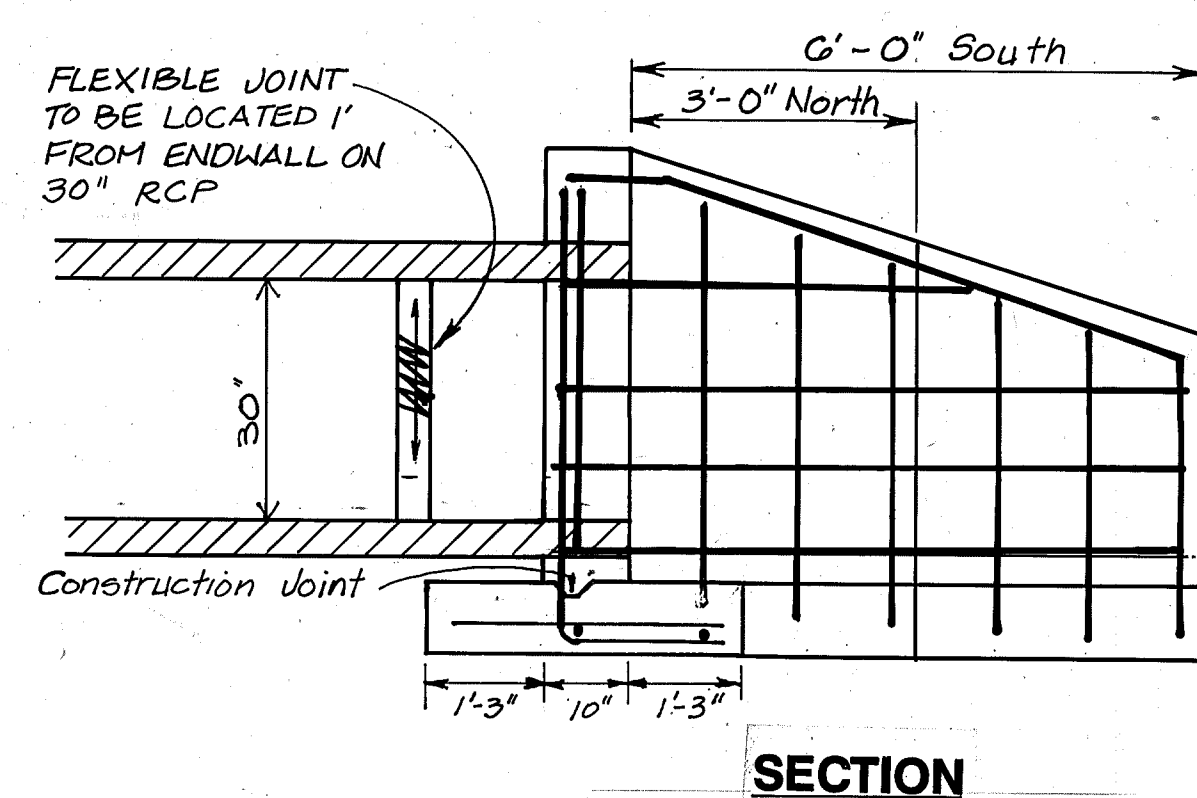
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>Rogers</i>	10/17/91	Water	<i>Allen</i>	10-17-91
Transportation	<i>N.A. RHD</i>	10-17-91	Waste Water	<i>AW</i>	-
Hydrology	<i>CAM</i>	10-17-91			

DRAWING NO.	4060	MAP NO.	P.Q-13	SHEET OF	18A 34
-------------	------	---------	--------	----------	--------

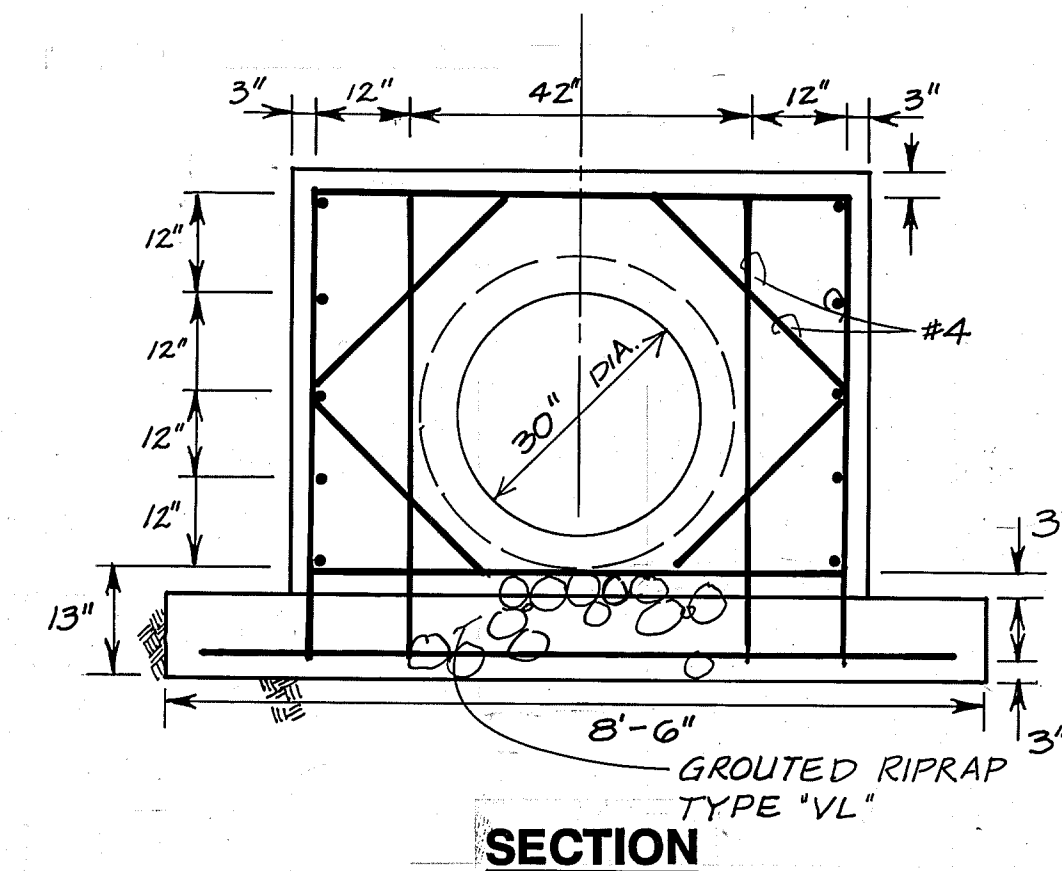
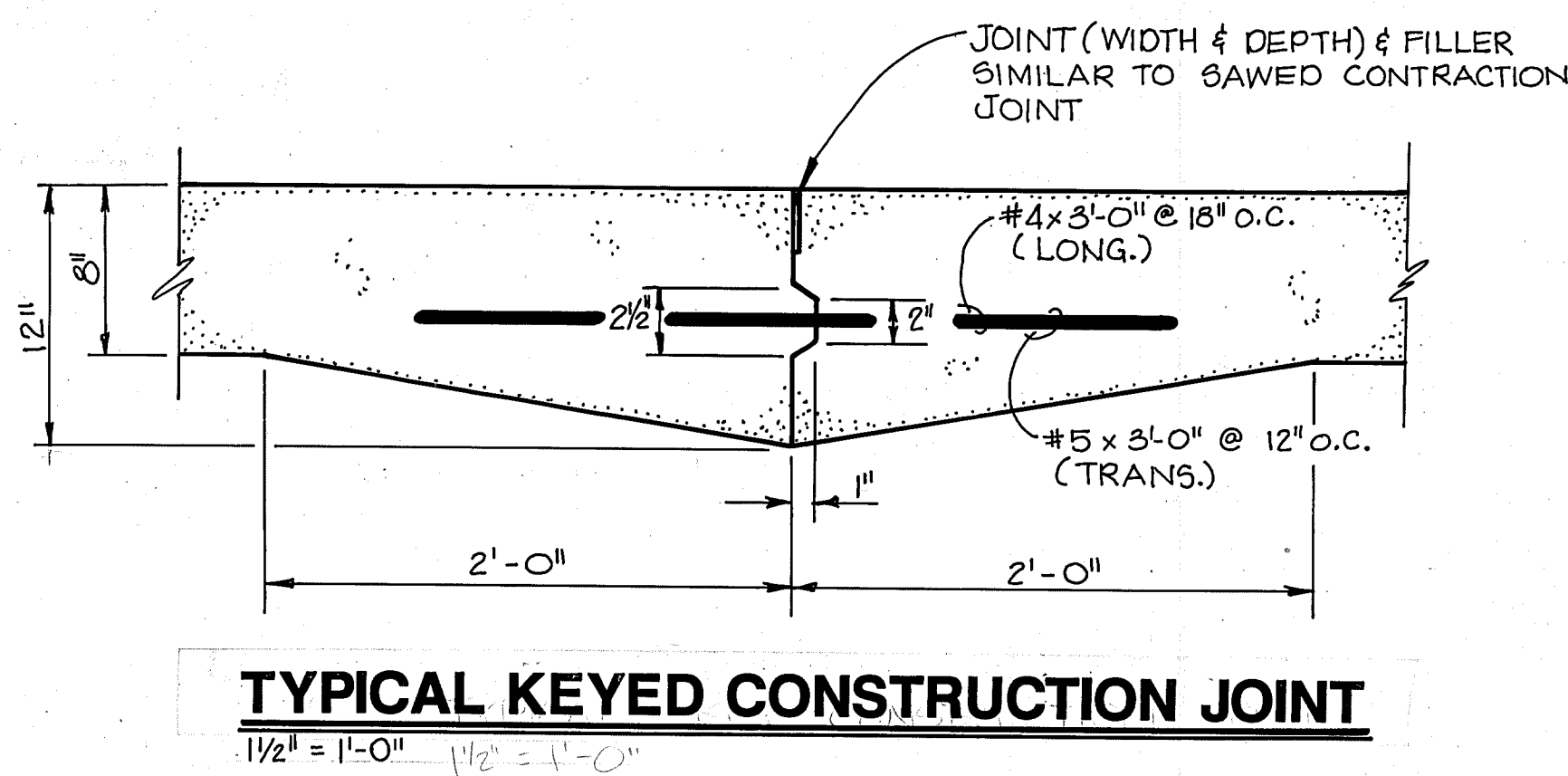


NOTE:- ADDITIONAL WIDTH FOR SEALANT RESERVOIR
MAY BE SAUED AT THE SAME TIME OR AT A
LATER DATE. A SHAPE FACTOR OF 1" x 1"
MUST BE MAINTAINED.

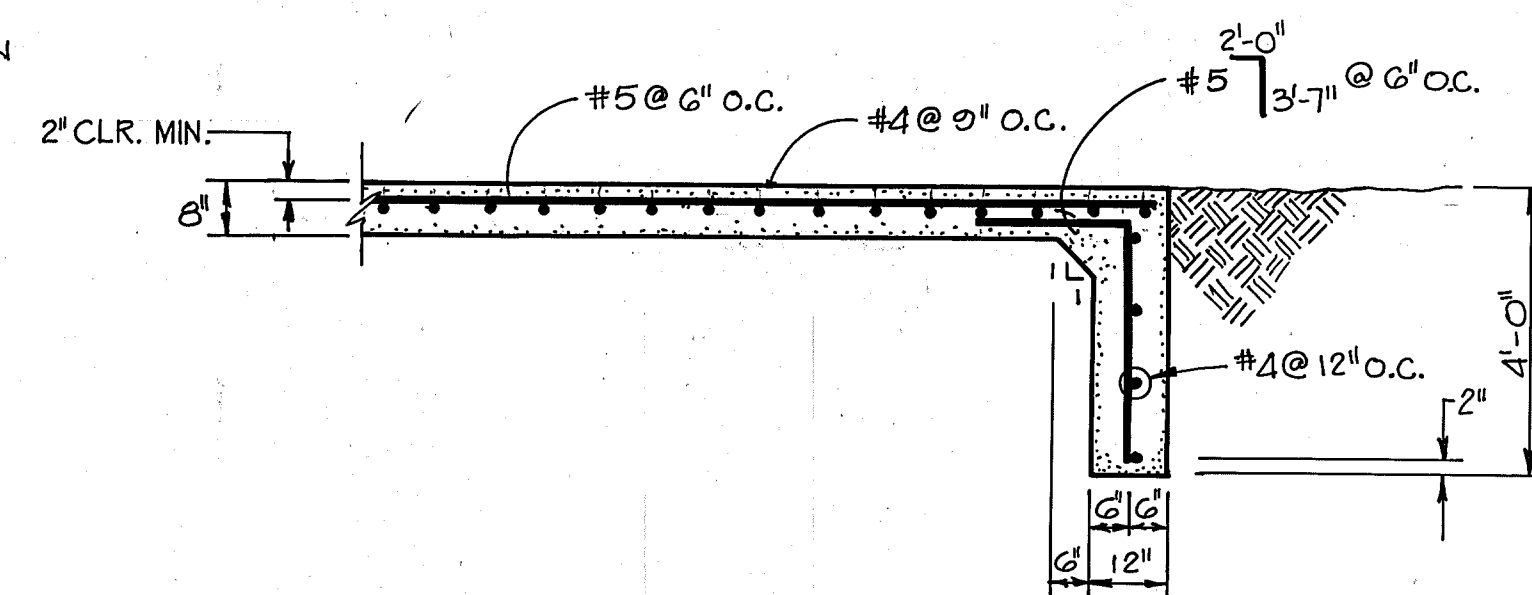
-CLOSED CELL BACKER . ROD JOINTS TO BE FILLED WITH JOINT FILLER TO $\frac{1}{8}$ " OF THE SURFACE.



30" RCP HEADWALL DETAIL



SECTION G-G



RECORD DRAWING
DATE _____

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE

STRUCTURAL DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair.	<i>Rog. Green</i>	10/22/91	Water	<i>N. Olson</i>	10/27/91
Transportation	<i>N. Olson</i>	10/17/91	Waste Water	<i>AGL</i>	..
Hydrology	<i>CAM</i>	10-17-91			

DRAWING NO.	4060	MAP NO.	P.Q - 13	SHEET	19	OF	34
-------------	------	---------	----------	-------	----	----	----

WILSON & COMPANY
ENGINEERS & ARCHITECTS
ALBUQUERQUE NEW MEXICO

		ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				FIELD NOTES					
				NO.	BY	DATE			
							BM No. 4-QB, A CORP OF ENGINEER BRASS	CONTRACTOR	
							CAP IN CONCRETE STAMPED "4957368".	WORK ORDERED BY	DATE
							LOCATED AT THE NORTHWEST CORNER OF THE	INSPECTED BY	DATE
							BRIDGE AT THE RAILROAD TRACKS AND THE	ACCEPTANCE BY	DATE
							DIVERSION CHANNEL AT SECOND STREET, SW.	FIELD LOCATION BY	DATE
							ELEVATION 4957.368	DRAWINGS	DATE
								CORRECTED BY	DATE
								<i>MICRO-FILM</i>	<i>INFORMATION</i>
								RECORDED BY	DATE
								NO.	

DESIGNED BY SFM DATE 9/91

DRAWN BY RAG DATE 9/91

CHECKED BY STM DATE 9/91

REVISIONS

DESIGN

NO. DATE

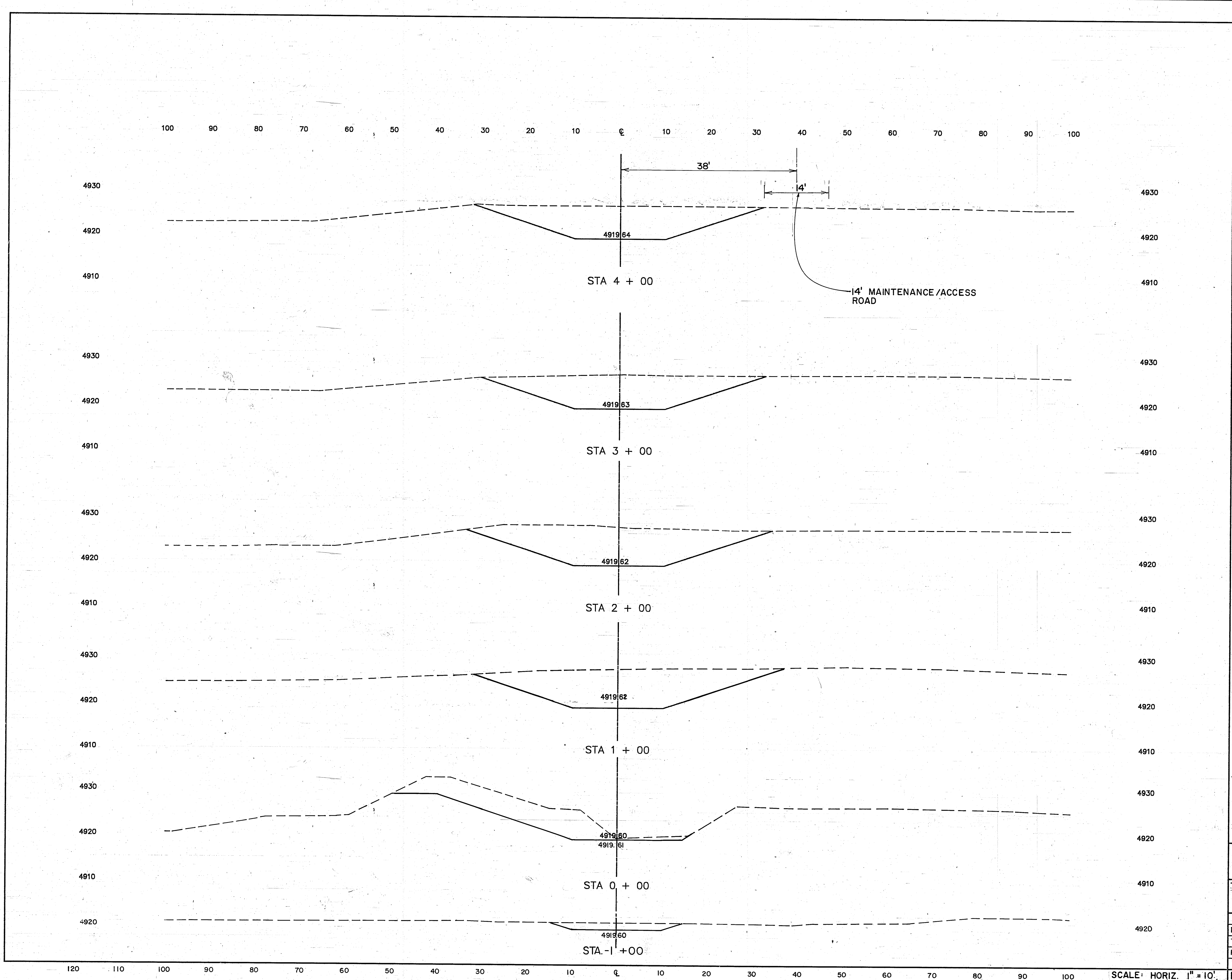
REMARKS

BY

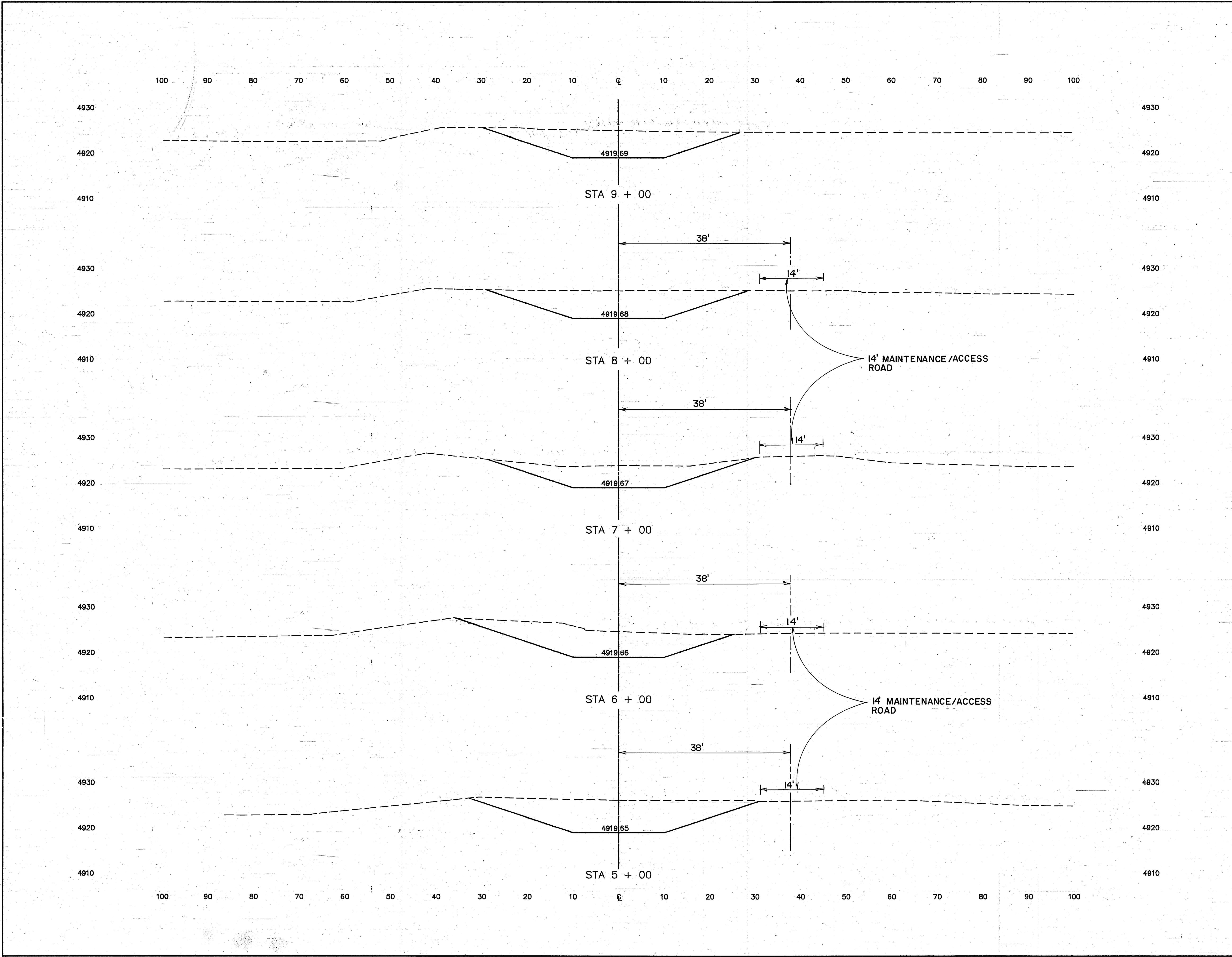
12/91

REVISION AS PER SHOP Dwg

SFM



RECORD DRAWING			CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP		
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE CROSS SECTIONS STA. 0+00 TO STA. 4+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair.	<i>R. J. [Signature]</i>	12/22/91	Water	<i>A. [Signature]</i>	10-12-91
Transportation	<i>P. [Signature]</i>	10-17-91	Waste Water	<i>[Signature]</i>	"
Hydrology	<i>C. [Signature]</i>	10-17-91			
DRAWING NO. 4060			MAP NO. P.Q-13		
SHEET 20 OF 34			WILSON & COMPANY		
DESIGNED BY J.M.S.			DATE 4/91		
DRAWN BY J.M.S./K.I.S.			DATE 4/91		
CHECKED BY D.B.T.			DATE 4/91		
REVISIONS			REMARKS		
NO.	DATE	BY	NO.	DATE	BY
WILSON & COMPANY, ENGINEERS & ARCHITECTS			WILSON & COMPANY, ENGINEERS & ARCHITECTS		
ENGINEER'S SEAL			ENGINEER'S SEAL		
SURVEY INFORMATION			SURVEY INFORMATION		
FIELD NOTES			FIELD NOTES		
NO.			NO.		
BY			BY		
DATE			DATE		
BENCH MARKS			BENCH MARKS		
BM No. 4-Q13, A CORP. OF ENGINEER BRASS			BM No. 4-Q13, A CORP. OF ENGINEER BRASS		
CAP IN CONCRETE STAMPED "4957368"			CAP IN CONCRETE STAMPED "4957368"		
LOCATED AT THE NORTHWEST CORNER OF THE			LOCATED AT THE NORTHWEST CORNER OF THE		
BRIDGE AT THE RAILROAD TRACKS AND THE			BRIDGE AT THE RAILROAD TRACKS AND THE		
DIVERSION CHANNEL AT SECOND STREET, SW.			DIVERSION CHANNEL AT SECOND STREET, SW.		
ELEVATION 4957.368			ELEVATION 4957.368		
AS-BUILT INFORMATION			AS-BUILT INFORMATION		
CONTRACTOR			CONTRACTOR		
NEW			NEW		
STAMPED BY			STAMPED BY		
DATE			DATE		
INSPECTED BY			INSPECTED BY		
DATE			DATE		
FIELD VERIFICATION BY			FIELD VERIFICATION BY		
DATE			DATE		
CORRECTED BY			CORRECTED BY		
DATE			DATE		
MICRO-FILM INFORMATION			MICRO-FILM INFORMATION		
RECORDED BY			RECORDED BY		
DATE			DATE		



AS-BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL			RECORD DRAWING		
CONTRACTOR	DATE	NO.	BM No 4-Q13, A CORP OF ENGINEER BRASS	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
WORK	DATE	NO.	CAP IN CONCRETE STAMPED "4957.368"	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
FIELD	DATE	NO.	LOCATED AT THE NORTHWEST CORNER OF THE	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
REVISION	DATE	NO.	BRIDGE AT THE RAILROAD TRACKS AND THE	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
REVISION	DATE	NO.	DIVERSION CHANNEL AT SECOND STREET, SW	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
REVISION	DATE	NO.	ELEVATION 4957.368	DATE	BY	NO.	DATE	BY	NO.	DATE	BY	NO.	DATE	BY

RECORD DRAWING

DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

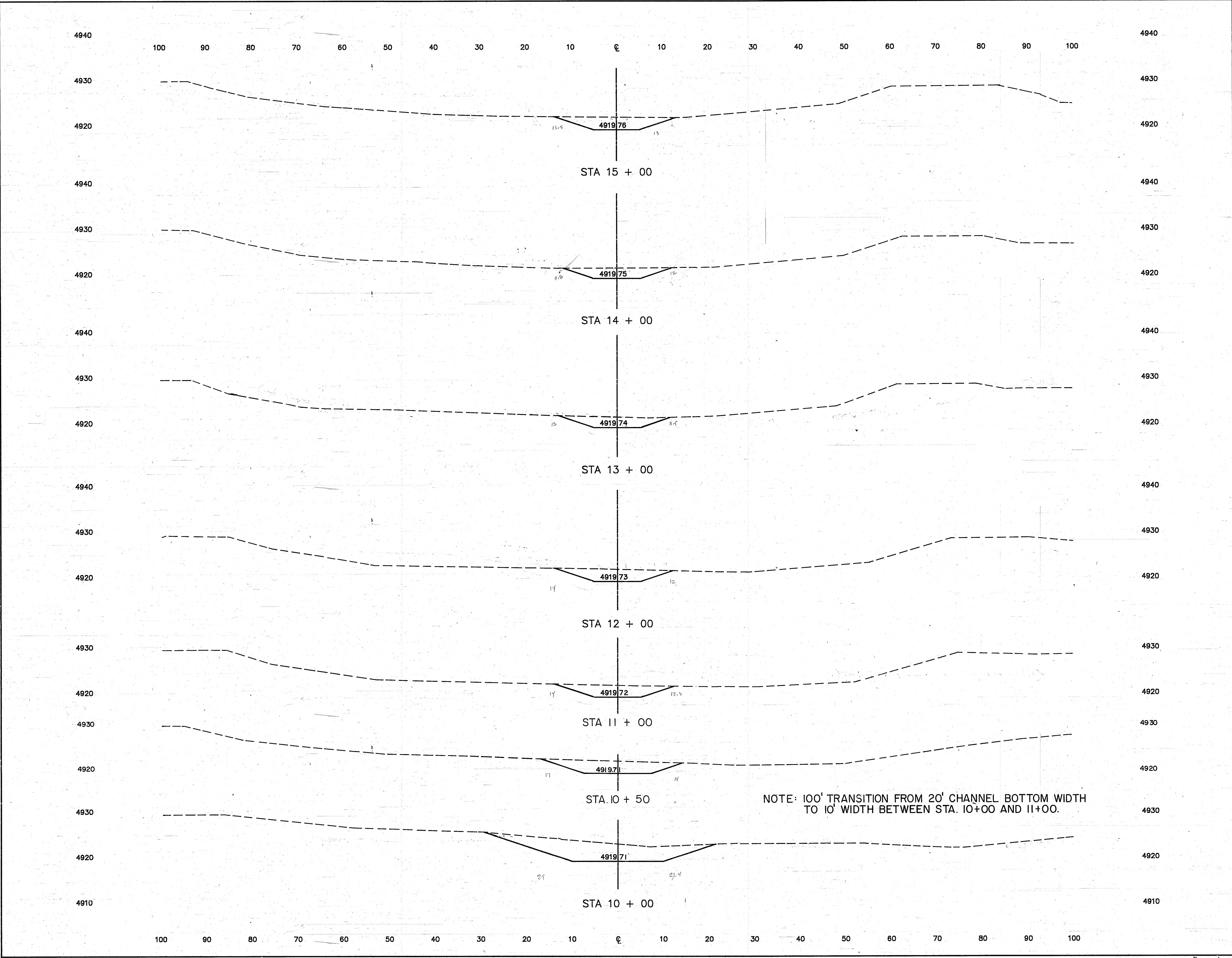
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE
CROSS SECTIONS
STA. 5+00 TO STA. 9+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	10-17-91	Water	<i>[Signature]</i>	10-17-91
Transportation	<i>[Signature]</i>	10-17-91	Waste Water	<i>[Signature]</i>	10-17-91
Hydrology	<i>[Signature]</i>	10-17-91			

DRAWING NO.	MAP NO.	SHEET	OF
4060	P.Q-13	21	34

SCALE: HORIZ. 1" = 10'
VERT. 1" = 10'

WILSON & COMPANY



SCALE: HORIZ. 1" = 10'
VERT. 1" = 10'

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE CROSS SECTIONS STA. 10+00 TO STA. 15+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	10-17-91	Water	<i>[Signature]</i>	10-12-91
Transportation	<i>N/A RHO</i>	10-17-91	Waste Water	<i>[Signature]</i>	..
Hydrology	<i>Chm</i>	10-17-91			
DRAWING NO. 4060		MAP NO. PQ-13		SHEET 22 OF 34	



**TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE
CROSS SECTIONS
STA. 22+00 TO STA. 24+00**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair.	<i>[Signature]</i>	10-17-91	Water	<i>[Signature]</i>	10-17-91
Transportation	N/A RHO	10-17-91	Waste Water	<i>[Signature]</i>	..
Hydrology	CAM	10-17-91			

SCALE : HORIZ. 1" = 10'
VERT. 1" = 10'

DRAWING NO. 4060

MAP NO.
P.Q-13

SHEET 24 OF 34

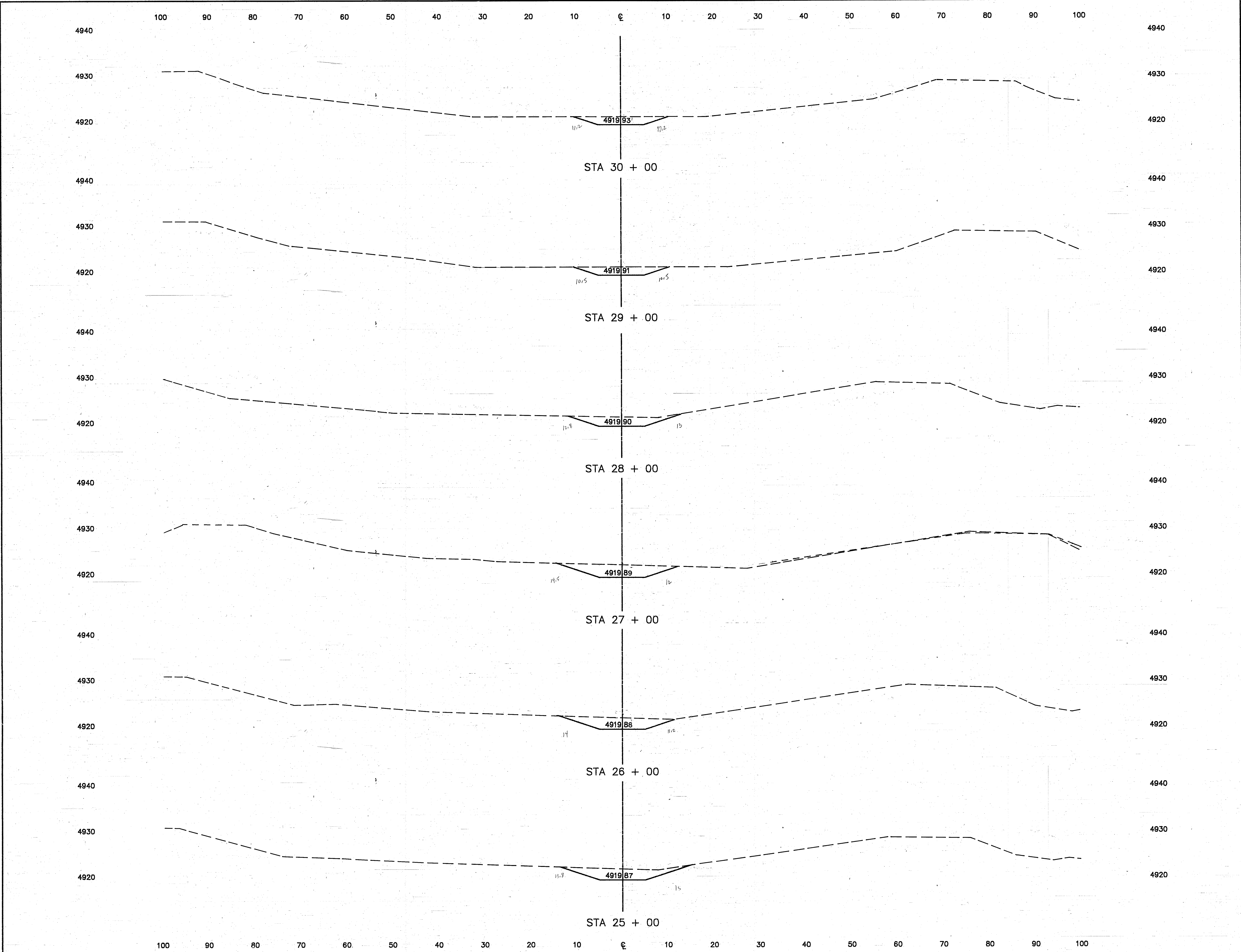
**WILSON
& COMPANY**

VCEA # 90528

[illegible]

A circular official seal of the State of Tennessee, Department of Transportation. The outer ring contains the text "STATE OF TENNESSEE" at the top and "DEPARTMENT OF TRANSPORTATION" at the bottom. Inside this ring, the text "STEVEN J. LEE" is on the left and "COMMISSIONER" is on the right. In the center of the seal is the year "2020". Handwritten in black ink over the seal are the letters "K-11-12" at the top and the number "2000" in the center.

[illegible]

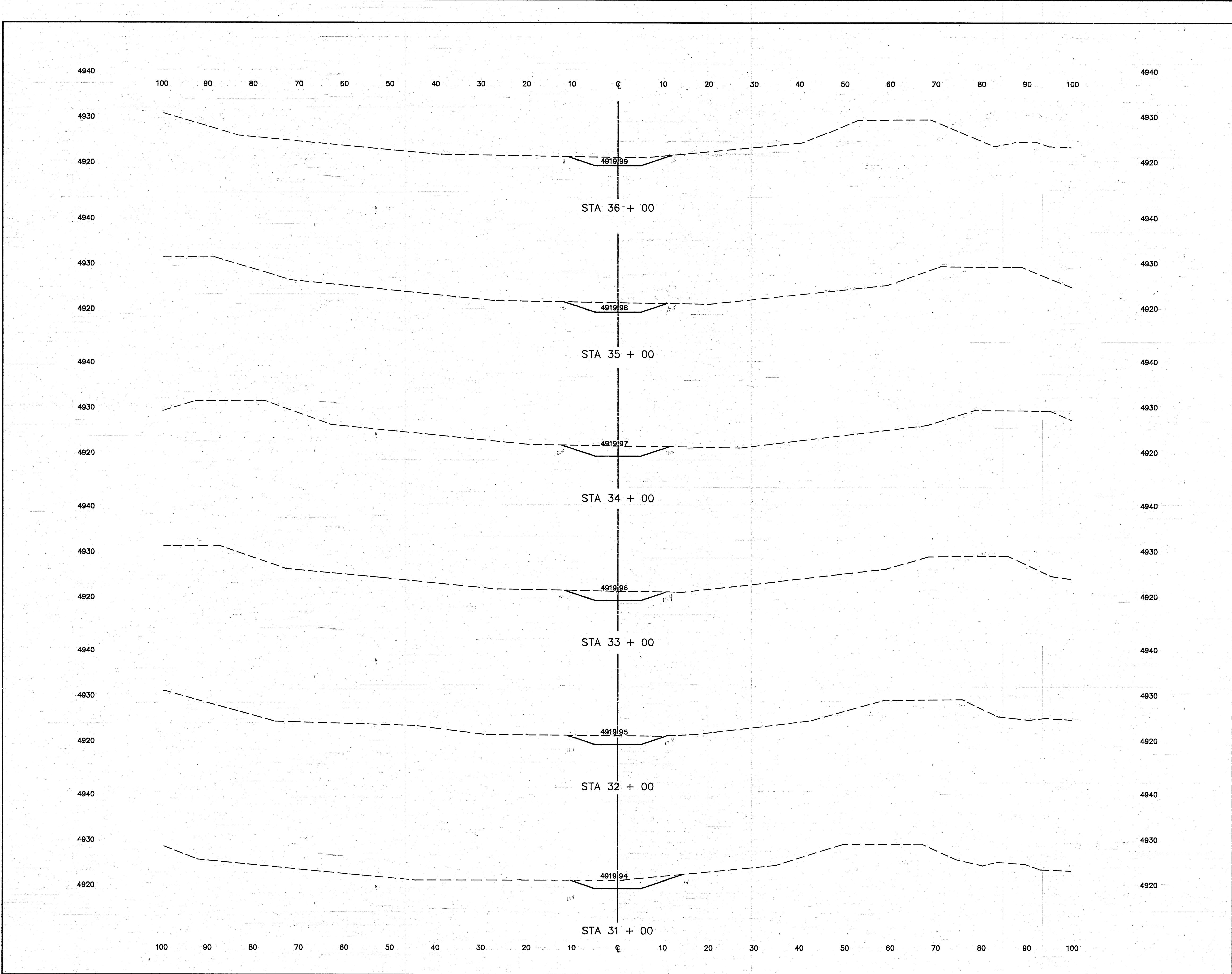


SCALE : HORIZ. 1" = 10'
VERT. 1" = 10'

RECORD DRAWING DATE _____					
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE CROSS SECTIONS STA. 25+00 TO STA. 30+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chief	David S. ...	10-2-91	Waste Water	...	10-17-91
Permit	N.A. ...	10-17-91	Waste Water	...	..
Hydrology	CAN	10-17-91	Water	...	..
DRAWING NO. 4060			MAP NO. P.Q-13		
SHEET 25 OF 34			WILSON & COMPANY		

BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
BM No. 4-Q13, A CORP OF ENGINEER BRASS CAP IN CONCRETE STAMPED "4957368" LOCATED AT THE NORTHWEST CORNER OF THE BRIDGE AT THE RAILROAD TRACKS AND THE DIVERSION CHANNEL AT SECOND STREET, SW. ELEVATION 4957.368		FIELD NOTES NO. BY DATE			
AS-BUILT INFORMATION		MICRO-FILM INFORMATION		REVISIONS	
CONTRACTOR	DATE	NO.	BY	NO.	DATE
WILSON & COMPANY	10-17-91				
INSPECTOR	DATE				
APPROVED BY	DATE				
VERIFICATION BY	DATE				
DESIGNED BY	DATE				
RECORDED BY	DATE				
NO.					

WILSON & COMPANY, ENGINEERS & ARCHITECTS	
DESIGNED BY J.M.S.	DATE 4/91
DRAWN BY J.M.S./K.I.S.	DATE 4/91
CHECKED BY DBT	DATE 4/91



RECORD DRAWING
DATE _____

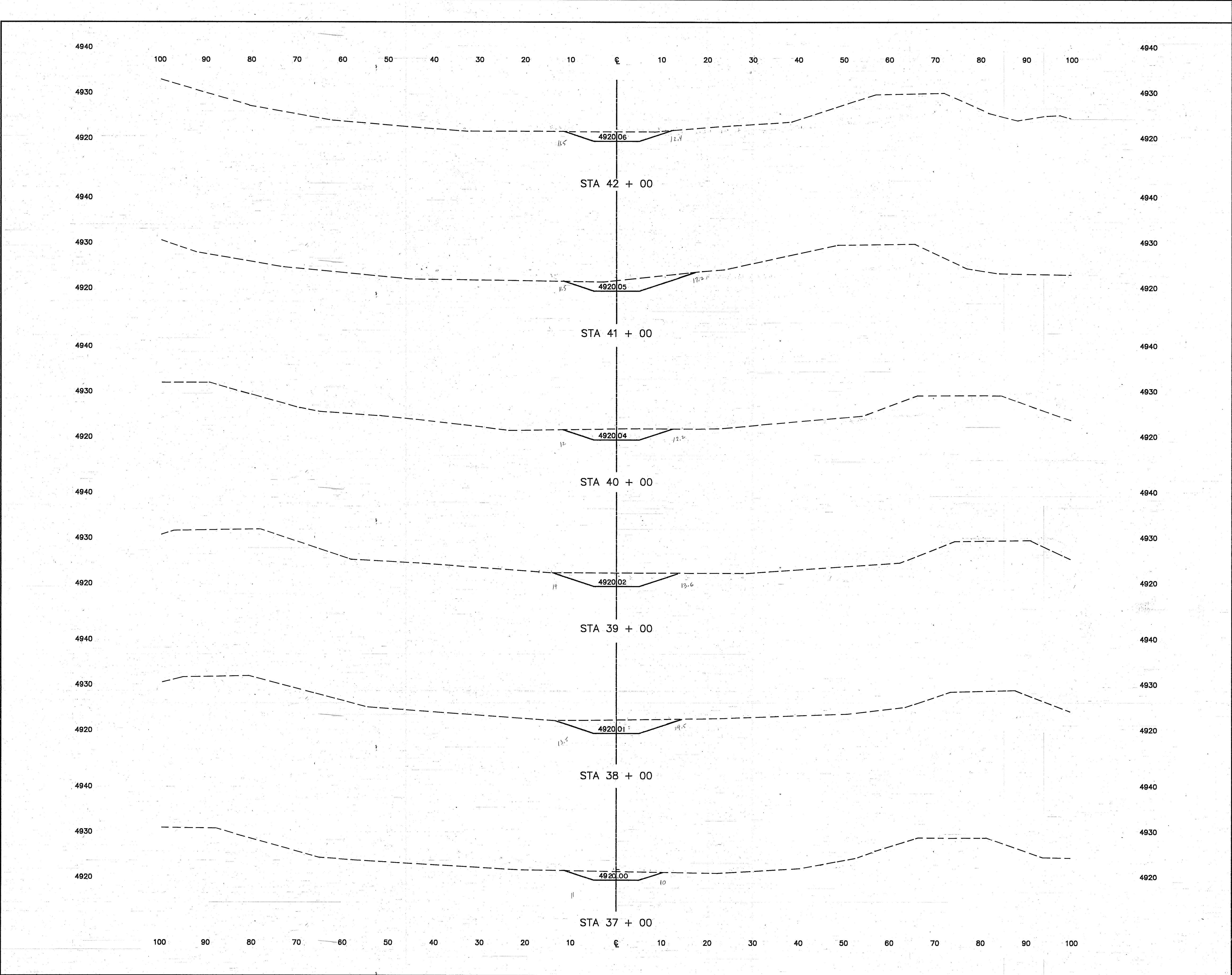
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE CROSS SECTIONS STA. 31+00 TO STA. 36+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair, <i>[Signature]</i>	<i>[Signature]</i>	10-17-91	Water	<i>[Signature]</i>	10-17-91
Transportation <i>[Signature]</i>	<i>[Signature]</i>	10-17-91	Waste Water	<i>[Signature]</i>	"
Hydrology <i>[Signature]</i>	<i>[Signature]</i>	10-17-91			

						ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
								FIELD NOTES					
								NO.	BY	DATE			
											BM No. 4-Q13, A CORP OF ENGINEER BRASS		
											CAP IN CONCRETE STAMPED "4957368"		
											LOCATED AT THE NORTHWEST CORNER OF THE		DATE
											BRIDGE AT THE RAILROAD TRACKS AND THE		DATE
											DIVERSION CHANNEL AT SECOND STREET, SW		DATE
											ELEVATION 4957368		DATE
											MICRO-FILM INFORMATION		DATE
											RECORDED BY		DATE
											NO.		DATE

ENGINEER'S SEAL

SEAL OF THE CITY OF ALBUQUERQUE
REGISTERED PROFESSIONAL ENGINEER
JAMES M. SUTHERLAND
No. 1220
EXPIRES 12-31-91

REMARKS		BY
REVISIONS		
NO.	DATE	REMARKS
WILSON & COMPANY, ENGINEERS & ARCHITECTS		
DESIGNED BY	J.M.S.	DATE 4/91
DRAWN BY	J.M.S./K.I.S.	DATE 4/91
CHECKED BY	D.B.T.	DATE 4/91



RECORD DRAWING
DATE _____

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE
CROSS SECTIONS
STA. 37+00 TO STA. 42+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	10-22-91	Water	<i>[Signature]</i>	10-17-91
Transportation	<i>[Signature]</i>	10-17-91	Waste Water	<i>[Signature]</i>	"
Hydrology	<i>[Signature]</i>	10-17-91			

SCALE: HORIZ. 1" = 10'
VERT. 1" = 10'

DRAWING NO. 4060

MAP NO. P.Q-13

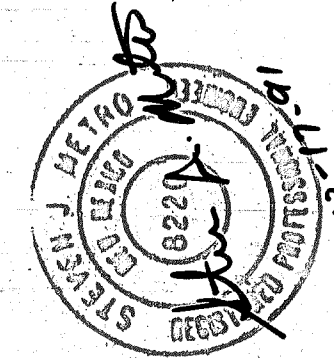
SHEET 27 OF 34

WILSON & COMPANY

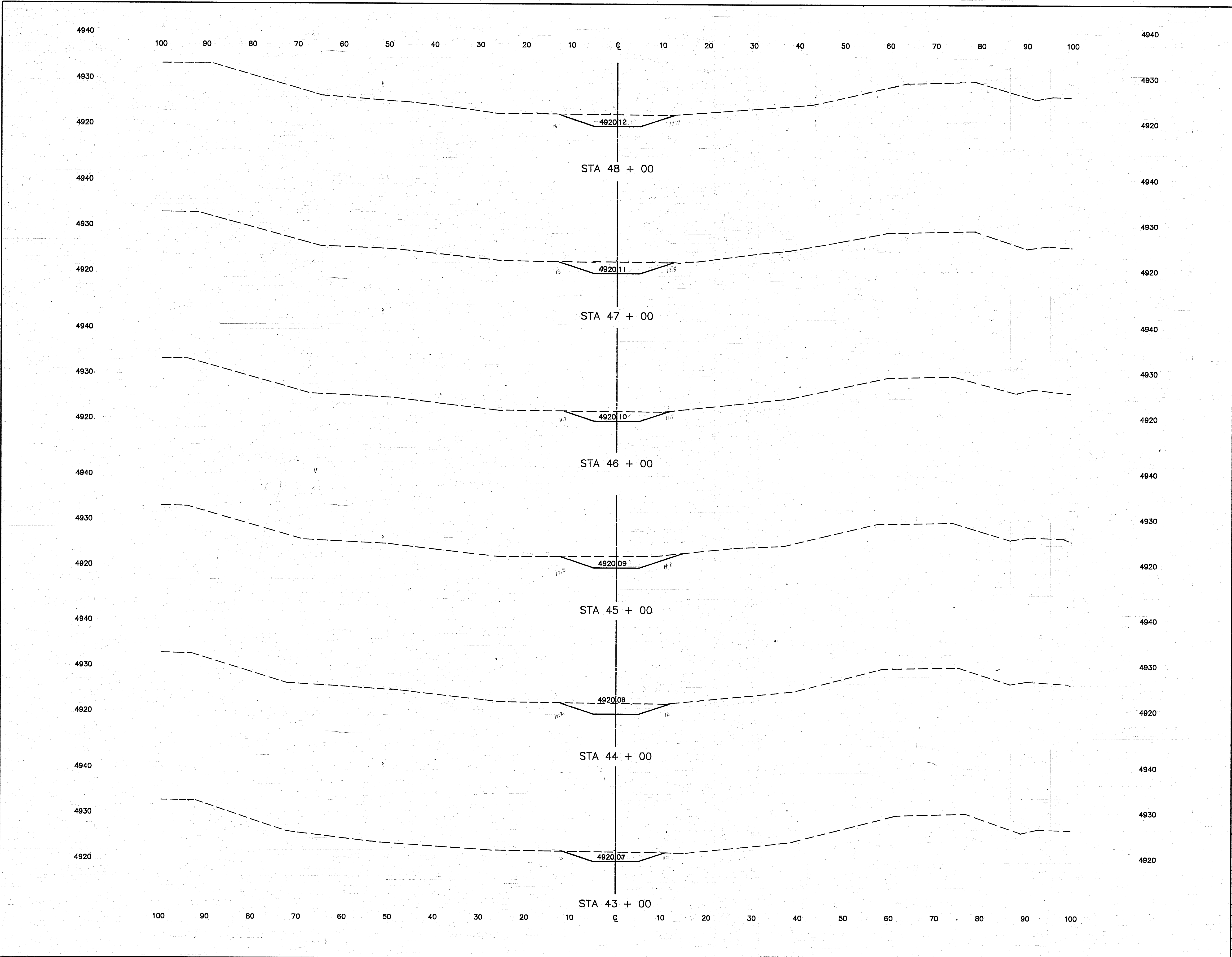
WCE A # 90528

		ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
				FIELD NOTES		BM No. 4-Q13, A CORP OF ENGINEER BRASS			
				NO.	BY	DATE	CAP IN CONCRETE STAMPED "4957368"		
							LOCATED AT THE NORTHWEST CORNER OF THE		WORK STAGED BY
							BRIDGE AT THE RAILROAD TRACKS AND THE		DATE
							DIVERSION CHANNEL AT SECOND STREET, SW.		FIELD ACCEPTANCE BY
							ELEVATION 4957368		DATE
									DRAWINGS CORRECTED BY
									DATE
									RECORDED BY
									NO.
									DATE

REVISIONS			
WILSON & COMPANY, ENGINEERS & ARCHITECTS			
DESIGNED BY	J.M.S.	DATE	4/91
DRAWN BY	J.M.S./K.I.S.	DATE	4/91
CHECKED BY	D.B.T.	DATE	4/91

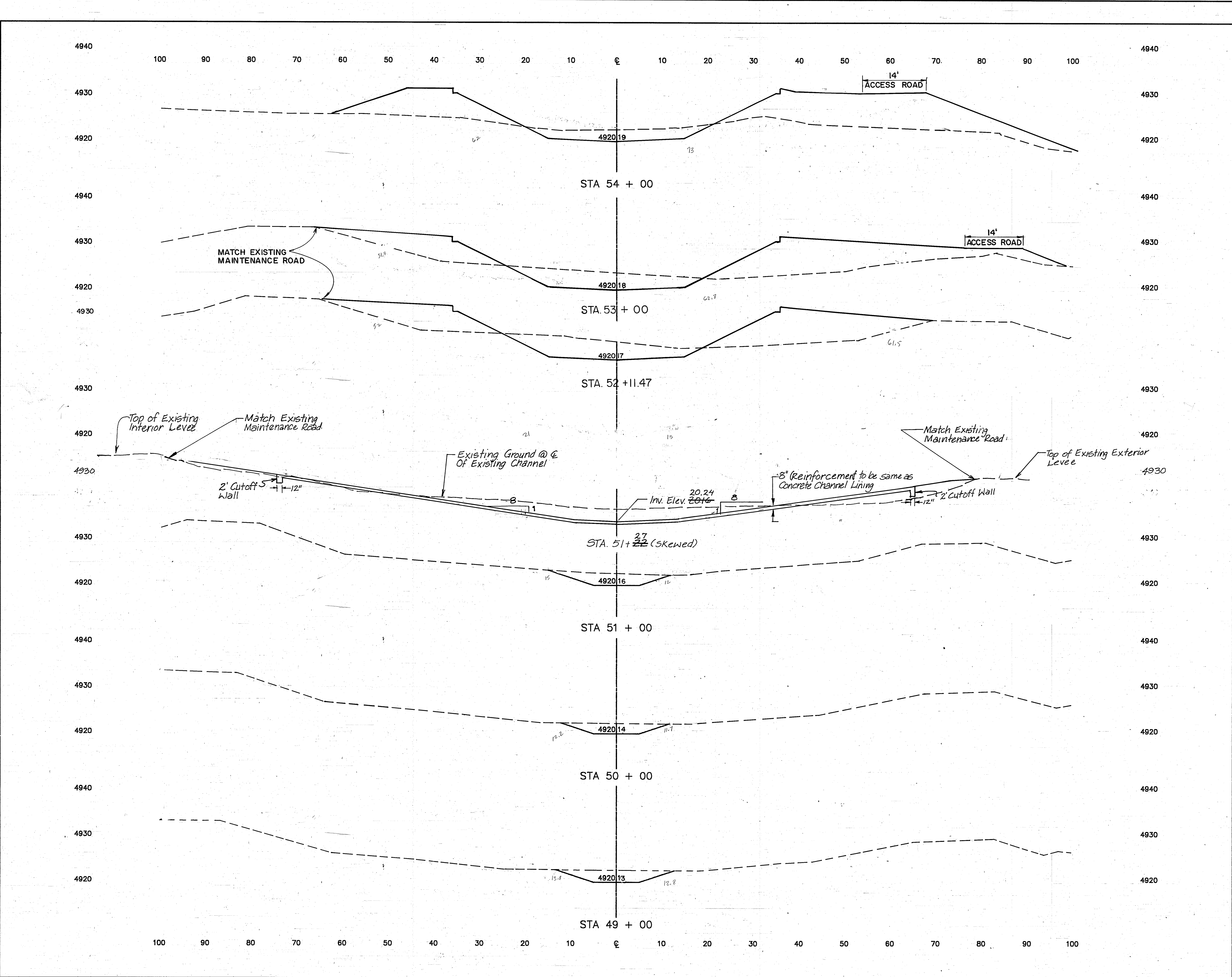


NO.	DATE	REMARKS	BY
	REVISIONS		
	WILSON & COMPANY, ENGINEERS & ARCHITECTS		
	DESIGNED BY	J. M. S.	DATE 4/91
	DRAWN BY	J. M. S. / K. I. S.	DATE 4/91
	CHECKED BY	D. B. T.	DATE 4/91



SCALE: HORIZ. 1" = 10'
VERT. 1" = 10'

RECORD DRAWING DATE _____						ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
								FIELD NOTES NO. _____ BY _____ DATE _____		BM No. 4-Q13, A CORP OF ENGINEER BRASS CAP IN CONCRETE STAMPED "4957368" LOCATED AT THE NORTHWEST CORNER OF THE BRIDGE AT THE RAILROAD TRACKS AND THE DIVERSION CHANNEL AT SECOND STREET, SW. ELEVATION 4957.368		CONTRACTOR NO. _____ DATE _____ DESIGNED BY NO. _____ DATE _____ CHECKED BY NO. _____ DATE _____	
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP						REVISIONS		REVISIONS		REVISIONS		REVISIONS	
						NO. DATE		NO. DATE		NO. DATE		NO. DATE	
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE CROSS SECTIONS STA. 43+00 TO STA. 48+00						DESIGNED BY J.M.S.		DESIGNED BY J.M.S.		DESIGNED BY J.M.S.		DESIGNED BY J.M.S.	
						DRAWN BY J.M.S./K.I.S.		DRAWN BY J.M.S./K.I.S.		DRAWN BY J.M.S./K.I.S.		DRAWN BY J.M.S./K.I.S.	
APPROVALS						TRANSPORTATION		TRANSPORTATION		TRANSPORTATION		TRANSPORTATION	
						HYDROLOGY		HYDROLOGY		HYDROLOGY		HYDROLOGY	
DRAWING NO. 4060						MAP NO. P.Q-13		SHEET 28 OF 34		WILSON & COMPANY		WCEA# 90928	



AS-BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACTOR	DATE	BY	BM No. 4-Q13, A CORP OF ENGINEER BRASS	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
INSPECTOR'S	DATE	BY	CAP IN CONCRETE STAMPED "4957368"	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
FIELD	DATE	BY	LOCATED AT THE NORTHWEST CORNER OF THE	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
CONVEYANCE	DATE	BY	BRIDGE AT THE RAILROAD TRACKS AND THE	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
CONVEYANCE	DATE	BY	DIVERSION CHANNEL AT SECOND STREET, SW	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
CONVEYANCE	DATE	BY	ELEVATION 4957.368	DATE	BY	NO.	DATE	BY	NO.	DATE	BY
MICRO-FILM INFORMATION			REVISIONS			REVISIONS			REVISIONS		
RECORDED BY			NO. DATE			NO. DATE			NO. DATE		
NO.			REMARKS			REMARKS			REMARKS		
NO.			WILSON & COMPANY, ENGINEERS & ARCHITECTS			WILSON & COMPANY, ENGINEERS & ARCHITECTS			WILSON & COMPANY, ENGINEERS & ARCHITECTS		
NO.			DESIGNED BY J.M.S.			DESIGNED BY J.M.S.			DESIGNED BY J.M.S.		
NO.			DRAWN BY J.M.S./K.I.S.			DRAWN BY J.M.S./K.I.S.			DRAWN BY J.M.S./K.I.S.		
NO.			CHECKED BY D.B.T.			CHECKED BY D.B.T.			CHECKED BY D.B.T.		

RECORD DRAWING
DATE _____

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE
CROSS SECTIONS
STA. 49+00 TO STA. 54+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	Ken J. Doe	10-17-91	Water	Ken J. Doe	10-17-91
Transportation	N/A RWD	10-17-91	Waste Water	Ken J. Doe	10-17-91
Hydrology	CArm	10-17-91			

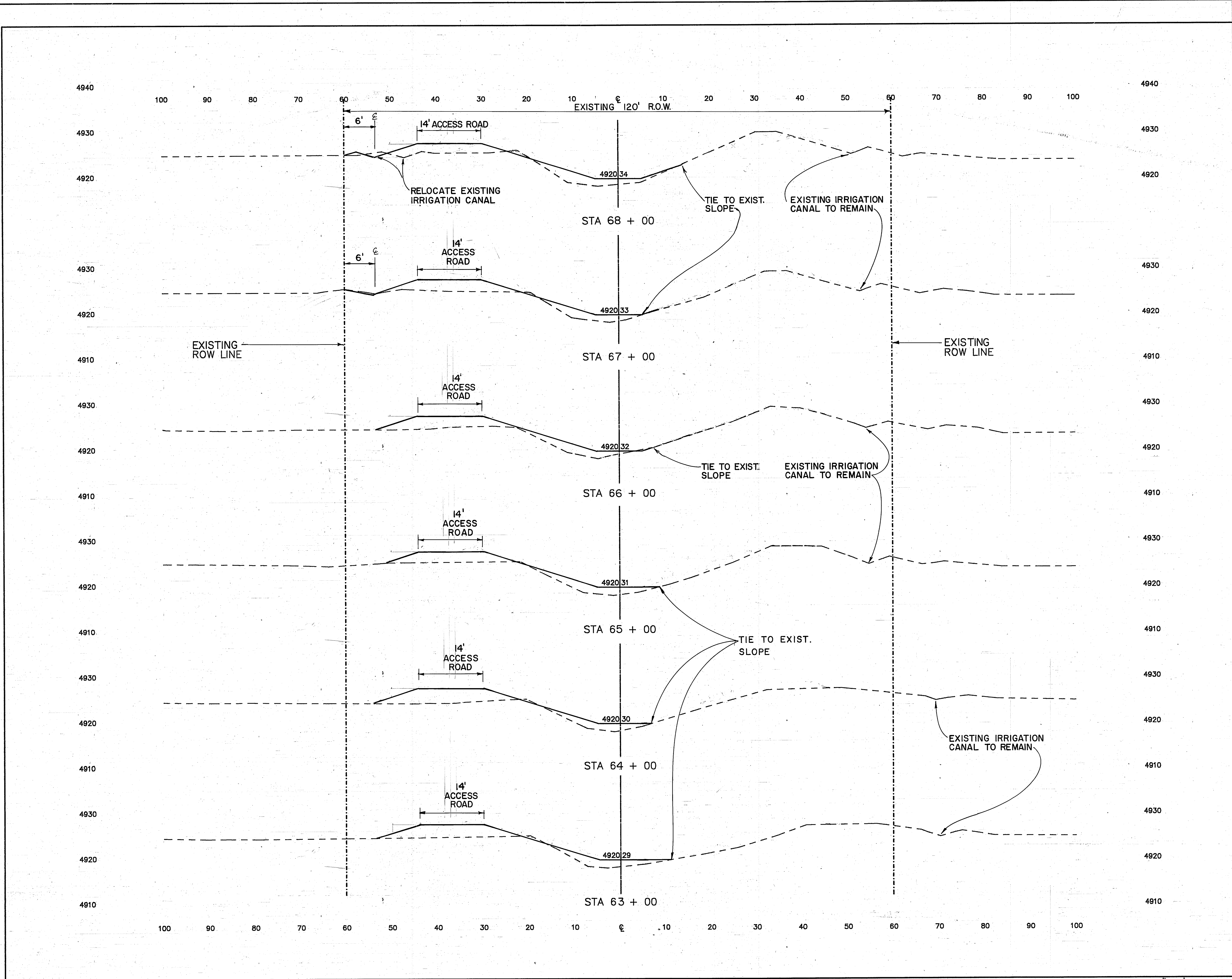
DRAWING NO. 4060 MAP NO. P.Q-13 SHEET 29 OF 34
WILSON & COMPANY WCEA # 90528



SEE STRUCTURAL SHEETS
FOR RETAINING WALL
INFORMATION

SCALE: HORIZ. 1" = 10'
VERT 1" = 10'

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE CROSS SECTIONS STA. 55+00 TO STA. 57+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair.	<i>Don Allen</i>	<i>10-17-91</i>	Water	<i>ALD</i>	<i>10-17-91</i>
Transportation	<i>N/A RHD</i>	<i>10-17-91</i>	Waste Water	<i>ALD</i>	<i>"</i>
Hydrology	<i>CAM</i>	<i>10-17-91</i>			
DRAWING NO. 4060		MAP NO. P.Q-13		SHEET 30 OF 34	
					
WCEA # 9052 B					



AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR		BM No. 4-013, A CORP OF ENGINEER BRASS		FIELD NOTES		REVISIONS	
WORK BY		CAP IN CONCRETE STAMPED "4957368"		DATE		NO. DATE	
CHECKED BY		LOCATED AT THE NORTHWEST CORNER OF THE		BY		REMARKS	
DATE		BRIDGE AT THE RAILROAD TRACKS AND THE		NO.		WILSON & COMPANY, ENGINEERS & ARCHITECTS	
DATE		DIVERSION CHANNEL AT SECOND STREET, SW		BY		DESIGNED BY J.M.S. DATE 4/91	
DATE		ELEVATION 4957.368		NO.		DRAWN BY J.M.S./K.I.S. DATE 4/91	
DATE		MICRO-FILM INFORMATION		NO.		CHECKED BY D.B.T. DATE 4/91	
DATE		NO.		NO.		NO.	

RECORD DRAWING
DATE _____

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

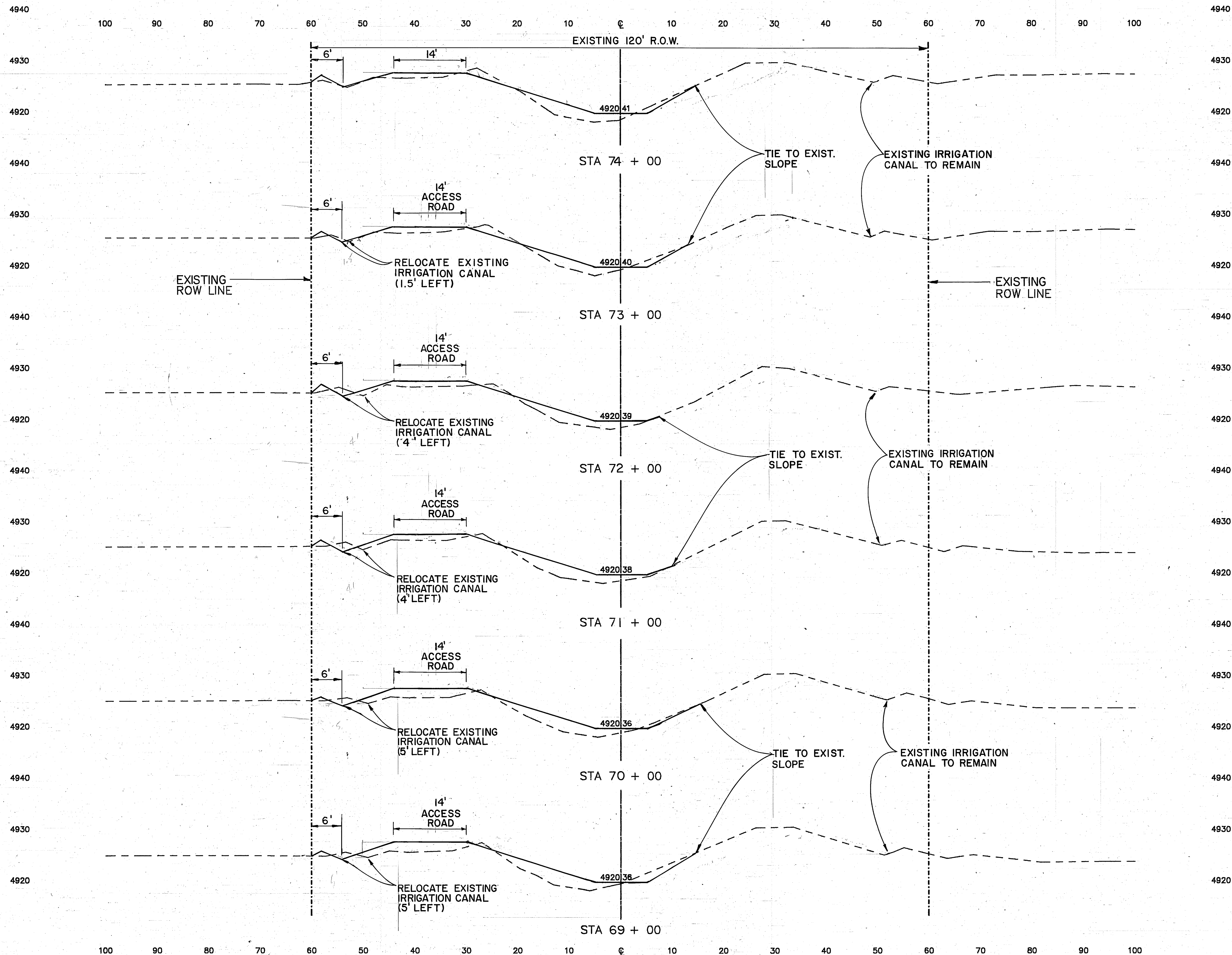
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE
CROSS SECTIONS
STA. 63+00 TO STA. 68+00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	11-12-91	Water	<i>[Signature]</i>	11-12-91
Transportation	<i>[Signature]</i>	11-17-91	Waste Water	<i>[Signature]</i>	..
Hydrology	<i>[Signature]</i>	12-17-91			

SCALE: HORIZ. 1" = 10'
VERT. 1" = 10'

DRAWING NO. 4060 MAP NO. P.Q-13 SHEET 32 OF 34

WILSON & COMPANY WCEA # 90528



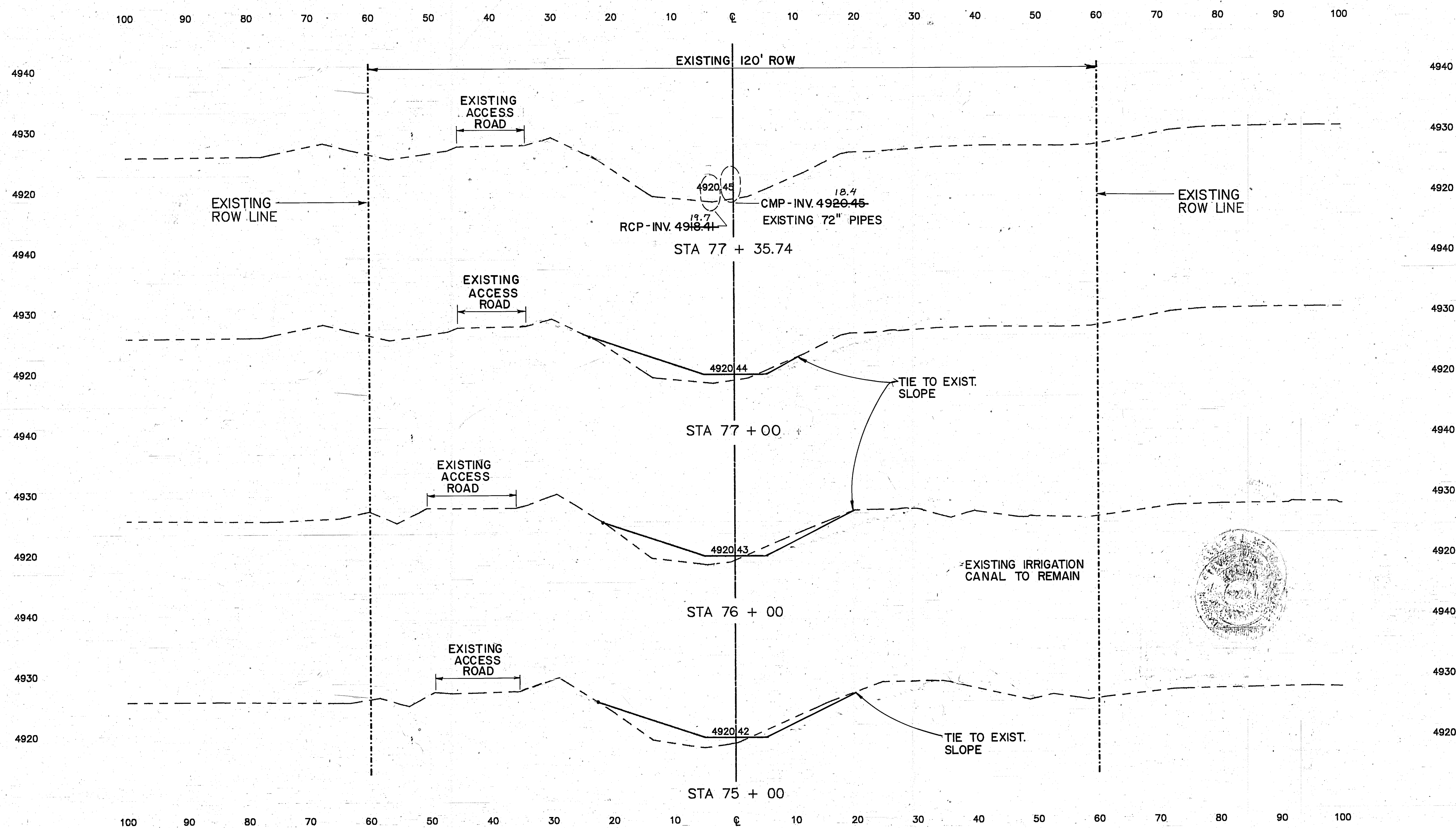
SCALE: HORIZ. 1" = 10'
VERT. 1" = 10'

RECORD DRAWING
DATE

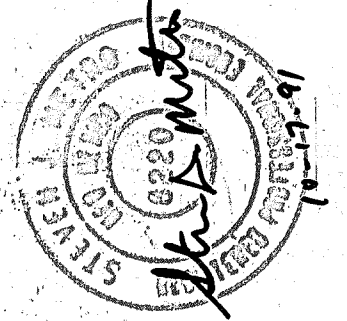
CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING GROUP					
TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE CROSS SECTIONS STA. 69+00 TO STA. 74+00					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair	<i>[Signature]</i>	10/21/91	Water	<i>[Signature]</i>	10/27/91
Transportation	<i>[Signature]</i>	11/17/91	Waste Water	<i>[Signature]</i>	
Hydrology	<i>[Signature]</i>	12/11/91			

DRAWING NO.	4060	MAP NO.	P.Q-13	SHEET	33	OF	34
WILSON & COMPANY				WCEA # 90528			

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		FIELD NOTES		BM No. 4-QB, A CORP OF ENGINEER BRASS		CONTRACTOR	
		NO.	BY	DATE	LOCATED AT THE NORTHWEST CORNER OF THE BRIDGE AT THE RAILROAD TRACKS AND THE DIVERSION CHANNEL AT SECOND STREET, SW.	DATE	DATE
REVISIONS		NO.		DATE		DATE	
WILSON & COMPANY, ENGINEERS & ARCHITECTS		NO.		DATE		DATE	
DESIGNED BY J.M.S.		NO.		DATE		DATE	
DRAWN BY J.M.S./K.I.S.		NO.		DATE		DATE	
CHECKED BY D.B.T.		NO.		DATE		DATE	



SCALE: HORIZ. 1" = 10'
VERT. 1" = 10'

AS-BUILT INFORMATION			BENCH MARKS			SURVEY INFORMATION			ENGINEER'S SEAL		
CONTRACT NO.	DATE	BY	BM NO. 4-Q13, A CORP. OF ENGINEER BRASS	DATE	BY	NO.	DATE	BY		REVISIONS	
PROJECT NO.	DATE	BY	CAP IN CONCRETE STAMPED "4957368"	DATE	BY	NO.	DATE	BY		NO.	DATE
PROJECT NAME	DATE	BY	LOCATED AT THE NORTHWEST CORNER OF THE	DATE	BY	NO.	DATE	BY		NO.	DATE
PROJECT LOCATION	DATE	BY	BRIDGE AT THE RAILROAD TRACKS AND THE	DATE	BY	NO.	DATE	BY		NO.	DATE
MICRO-FILM INFORMATION			ELEVATION 4957.368			RECORDED BY			WILSON & COMPANY, ENGINEERS & ARCHITECTS		
RECORDED BY			DATE			DESIGNED BY J.M.S.			DATE 4/91		
DRAWN BY			DATE 4/91			CHECKED BY D.B.T.			DATE 4/91		

RECORD DRAWING
DATE

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SAN JOSE DRAIN OUTFALL TO THE RIO GRANDE
CROSS SECTIONS
STA. 77+00 TO STA. 77+35.74

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
D.R.C. Chair.	<i>[Signature]</i>	10-17-91	Water	<i>[Signature]</i>	10-17-91
Transportation	<i>[Signature]</i>	10-17-91	Waste Water	<i>[Signature]</i>	10-17-91
Hydrology	<i>[Signature]</i>	10-17-91			

DRAWING NO. 4060 MAP NO. P.Q-13 SHEET 34 OF 34
WILSON & COMPANY WCEA#90528