

CITY OF ALBUQUERQUE, NEW MEXICO

## CONSTRUCTION PLANS FOR

# STORM DRAINAGE CHANNEL REHABILITATION PHASE !

## CITY OF ALBUQUERQUE - PUBLIC WORKS DEPARTMENT

SEPTEMBER, 1992

## FINAL DESIGN

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4	DETAIL SHEET - SIFCON LINING
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### GENERAL NOTES

- ALL WORK DETAILED ON THIS PROJECT SHALL BE DONE IN ACCORDANCE WITH "CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", 1986 AND ANY REVISIONS AND ADDITIONS IN THE SUPPLEMENTAL SPECIFICATIONS IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES WHEN WORKING NEAP THEIR SYSTEMS. TWO DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICOT THE—CALL SYSTEM (260—1990) FOR LOCATION OF EXISTING
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LIBERTLANS OF ALL OBSTRUCTIONS. SHOULD A CONFLOT ENST, THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE ENGINEER MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONIMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONIMENTS WITHOUT THE CONSENT OF THE CRIQINEER AND SHALL NOTIFY THE ENGINEER AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE ENGINEER. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED. CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE MEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL IN AN ENVIRONMENTALLY ACCEPTABLE MANNER AT A LOCAHON ACCEPTABLE TO THE PROJECT MANAGER. THERE WILL BE NO DIRECT COMPENSATION FOR THIS WORK.
- CONTRACTOR SHALL PROVIDE A TEMPORARY STORM DRAINAGE SYSTEM (SUBJECT TO APPROVAL BY THE CITY HYDROLOGY DIVISION AND THE CITY CONSTRUCTION PROJECT MANAGER) FOR ALL WORK ON THIS PROJECT. THE TEMPORARY SYSTEM SHALL BE CAPABLE OF SAFELY CONVEYING EXISTING RUNOFF ACROSS THE PROJECT AND DISCHARGING INTO THE EXISTING DRAINAGE SYSTEM.

## **RECORD DRAWING**

			ADD	ROVAL OF REVISIONS			
REV	SHEETS	CITY ENGR	DATE	USER DEPT.	DATE	USER DEPT.	DATE

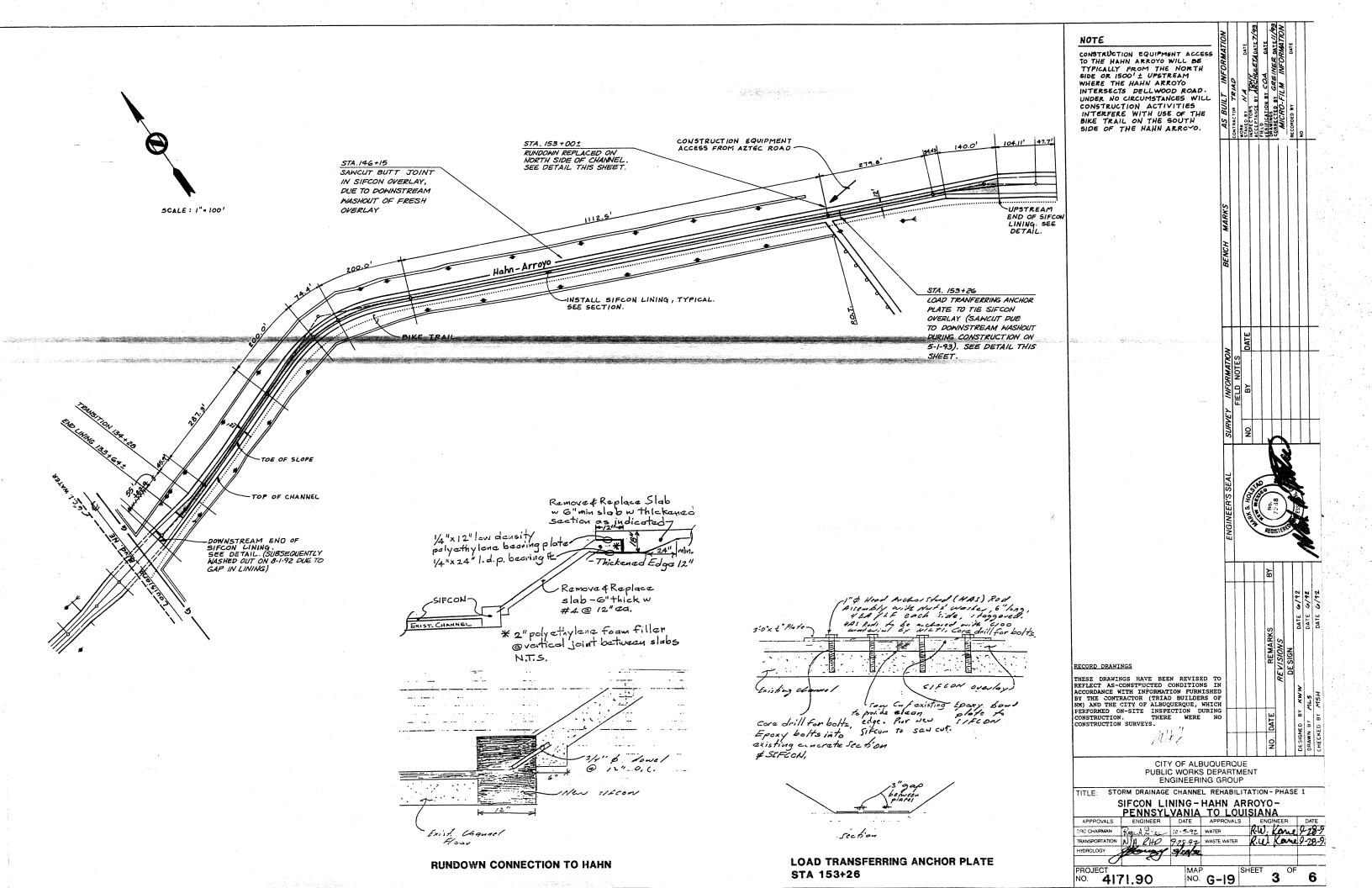


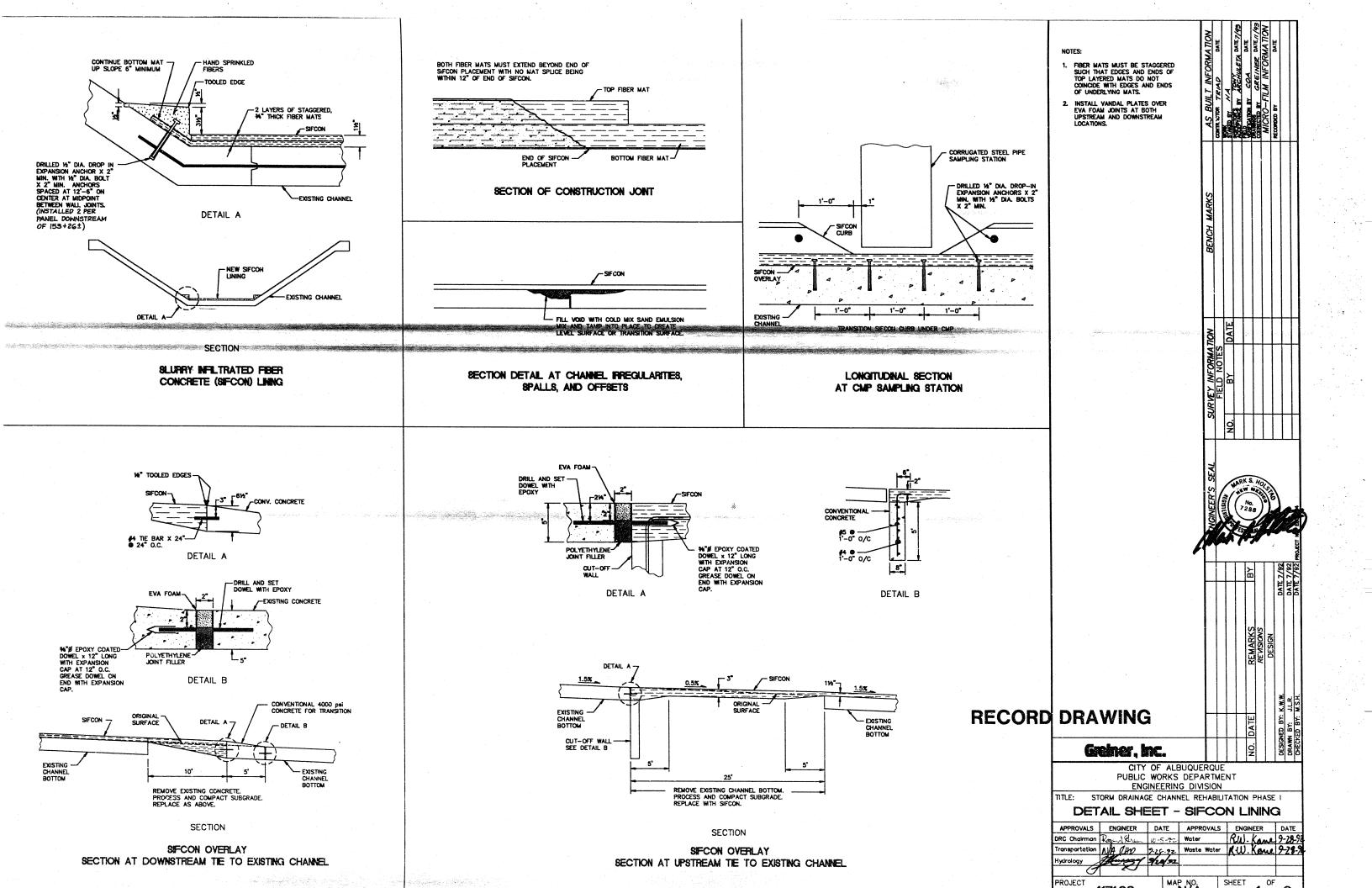
Greiner, Inc.

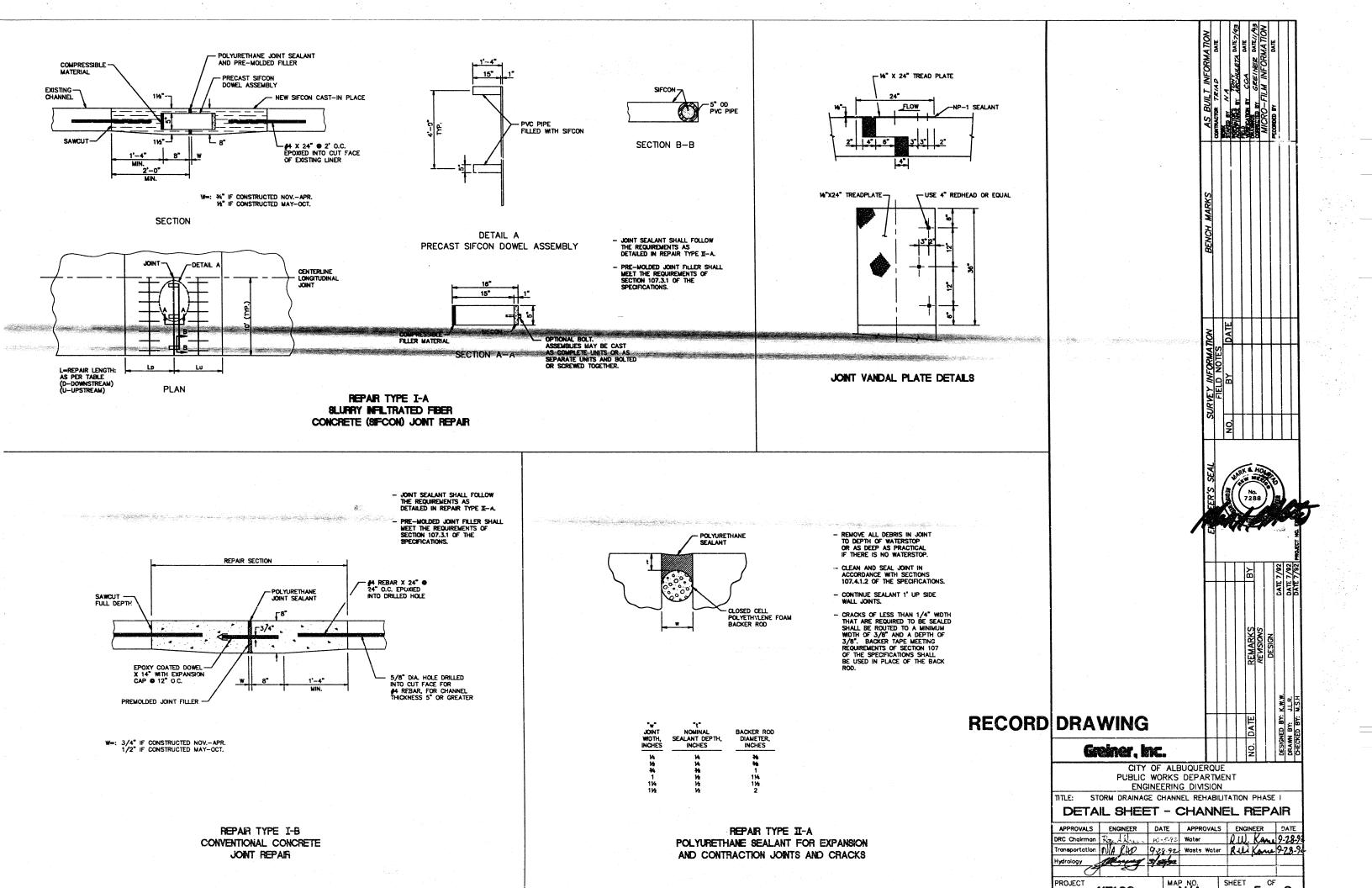
5971 JEFFERSON BLVD. NE SUITE 101 ALBUQUERQUE, NM 87109 (505) 345-3999

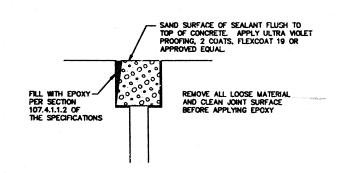
10-5-92

CITY PROJECT 4171-90 SHEET 1 OF 6

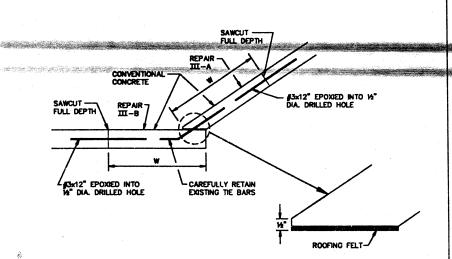


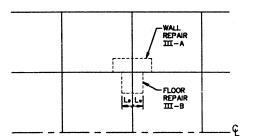




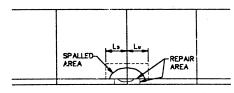


## REPAR TYPE II-B EPOXY REPAIR OF DE-BONDED EVA FOAM





CHANNEL PLAN VIEW



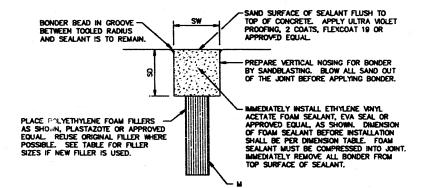
CHANNEL LONGITUDINAL SECTION

REPAIR TYPE III-A AND B SPALL REPAIR

- BRING SUBGRADE UNDER PATCH AREA TO PROPER GRADE AND COMPACTION BEFORE PLACING CONCRETE. (INCIDENTAL)

#3 TIE BARS ARE TO BE PLACED AT 24" O.C. ALONG ALL EDGES EXCEPT JOINTS

(INCIDENTAL)



## FILLER AND SEALANT DIMENSION TABLE

FILLER SIZE (M) SEALANT BLOCK-OUT SEALANT ORDER SIZE (SW) (SD)

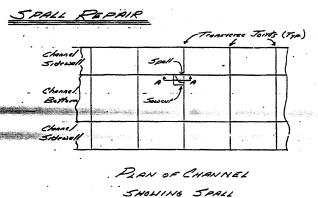
MDIH DEPTH 21/2" 2" 31/4" 21/2" MOTH DEPTH

### REPAR TYPE II-C EVA FOAM SEALANT FOR EXPANSION JOINTS

SECTION	CROSS STREET	STATION	REPAIR	L <sub>D</sub>	Lu	CONSCRITS
EAGJMI	I-40					
	INFLOW FROM I-40 RUNDOWN	5+00	I-A	3'	2*	1 & 2 upstream side only
	GROUND WATER WEEPHOLES	6+00	I-A,II- A,Spell repair(sp.r)	5'	2'	162 6.7
		7100	13.21A			162
		8+60	I-B,II-A,Sp.r	3'	3'	162 66
			3 0/33 11/07/3			
		9+00	I-A,II-A,Sp.r			162
		10+00	II-A,Sp.r			162
		10+30	I-A			162
		11+10	1-A			UPSTREAM, 3 :2 DOWNSTRE
		12+10	I-A,II-A,sp.r			263
		13+20	II-A			
		14+20	1-B			264
	1	15+40	II-A,III- A,sp.r			8
		16+20	I-B,IIIA,sp,r	2'	3,	264 89
	PENNSYLVANIA	16720	2-0/1111/00/1			
		17+10	IIA, sp.r			
		18+40	IIA, IIB, sp.r		ļ	<u> </u>
EA6JM2		18+60	IIA			ļ
- 1		19+00	IB	2.5	2.5'	Between existing transverse sawcuts
		19+50	IIB			10
		20+00	IA			
		20+60	IIA, sp. r			
		21+00	IIA			
		22+00	IA	5'	5'	
		23+00	IIB			11
		24+00	IIC			6 8 12
		25+00	IA		ļ	<u> </u>
		26+00	IB	<u> </u>	<u> </u>	<u> </u>
		27+00	IIA			<b></b>
		28+00	IB	3.	2.5'	
EA6JM3	HENDOLA	29+70	IIA			
		30+20	IIB, IIIB, IIA	1'	1'	2s.side,w
		31+20	IB	<del> </del>	<del> </del>	<del>                                     </del>
		32+20	IIB, sp.r	<del> </del>	<del></del>	14
		33+20	IIA, sp.r	+	+	<del> </del>
		34+20	IA	3.	2.5'	+
	İ	35+20	IIIB, IIA, sp.r	1 .	14	2 s.side;w=
	1		<del></del>		<del></del>	

### RECORD DRAWINGS

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT AS-CONSTRUCTED CONDITIONS IN ACCORDANCE WITH INFORMATION FURNISHED BY THE CONTRACTOR (TRIAD BUILDERS OF NM) AND THE CITY OF ALBUQUERQUE, WHICH PERFORMED ON-SITE INSPECTION DURING CONSTRUCTION. THERE WERE NO CONSTRUCTION. THE CONSTRUCTION SURVEYS.



Concrete removed Vertical 530//00 Concrete: Surface .5awcuF 3/4" minimum I minimum depth

SECTION A-A AFTER RENOVAL Concrete Parching Motorial

JECTION A-A AFTER PATCHING

#### NOTES:

(1) REPAIR CENTER 27'(±) BETWEEN OUTSIDE LONGITUDINAL JOINTS AND RESEAL OUTER 2'(±) OF TRANSVERSE JOINT BETWEEN WALL AND LONGITUDINAL JOINT (PERTINENT TO STATIONS 5+00 THROUGH 11+10.)

The part of the second 
- ② CAREFULLY REMOVE CONCRETE ALONG LONGITUDINAL JOINTS TO MAINTAIN TRANSVERSE REBAR. CLEAN THIS REBAR AND PLACE REHABILITATION CONCRETE
- (3) REPAIR CENTER 30'(±) BETWEEN OUTSIDE LONGITUDINAL JOINTS AND RESEAL OUTER 5'(±) OF TRANSVERSE JOINT BETWEEN WALL AND OUTSIDE LONGITUDINAL JOINT (PERTINENT TO STATIONS 11+10 THROUGH 13+70.)
- REPAIR CENTER 38.5'(±) BETWEEN OUTSIDE LONGTUDINAL JOINTS AND RESEAL 2'(±) OF TRANSVERSE JOINT BETWEEN WALL AND OUTSIDE LONGTUDINAL JOINT (PERTINENT TO STATIONS 14+20 THROUGH 19+00)

- STATION NUMBERS ARE BASED UPON EXISTING PAINTED STATION MARKINGS AT THE TOP OF THE NORTH SLOPE
- (6) PLACE VANDAL PLATES AT THESE JOINTS. SEGMENT PLATE LENGTHS TO 1/3 CHANNEL WIDTH.
- 7 II-A IS FROM LONGIT. JT. TO WALL.
- 8 III-A IN VERTICAL WALL S. SIDE.
- ① II-A OUTSIDE LONGT. JTS. BOTH SIDES.
- (10) 33' VANDAL PLATES
- (1) 18' VANDAL PLATES
- (12) 18' VANDAL PLATES (3) 19' VANDAL PLATES
- (4) 18' WANDAL PLATES

Greiner, inc. CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION

STORM DRAINAGE CHANNEL REHABILITATION PHASE I

DETAIL SHEET - CHANNEL REPAIR

APPROVALS	ENGINEER	DATE		APPR	OVALS	ENG	INEER	DATE
RC Chairman	Ta IX	10-5-5	2-	Water		Ru	. Kane	9-78-9
ransportation	N/A CHP	9.28.	72	Waste	Water	RW.	Kone	928-9
ydrology	Therene y	9/20/	يو					
0	83							
ROJECT		1	MAP	NO.		SHEET	OF	_