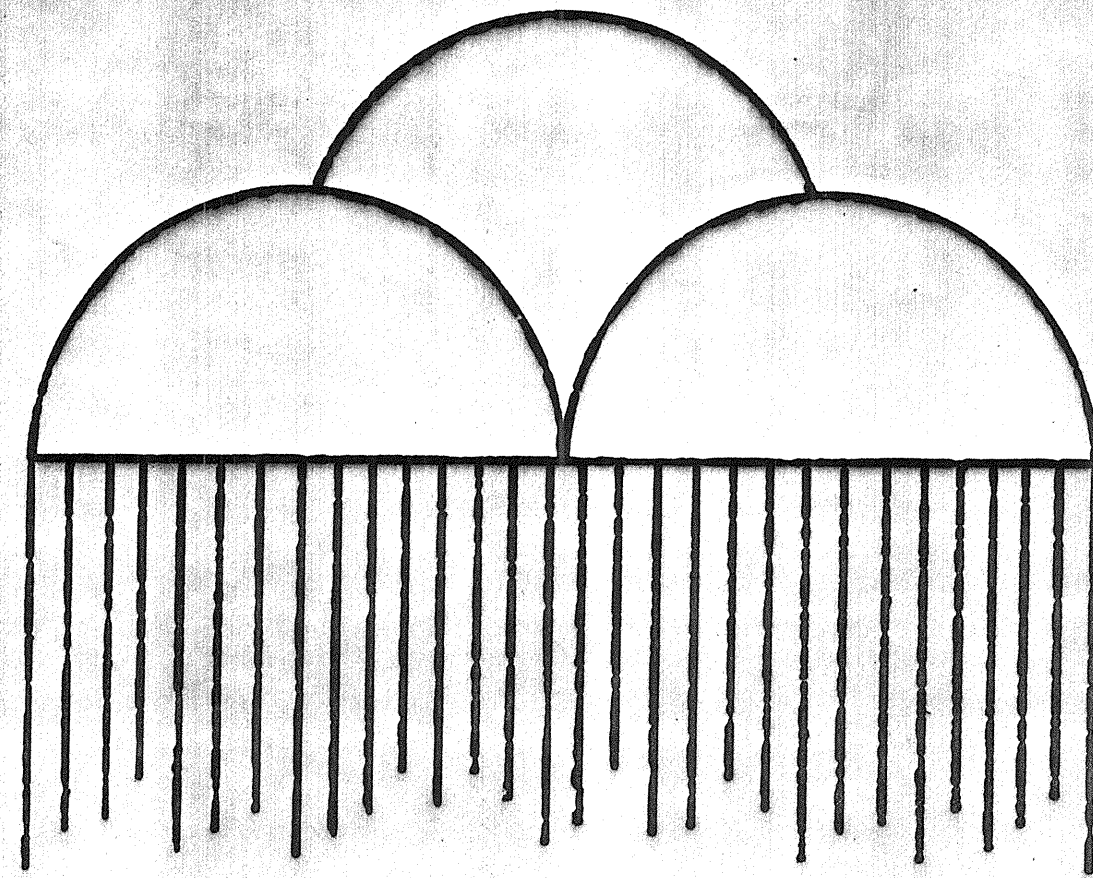




ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

CONSTRUCTION PLANS FOR:

SOUTH ARROYO DE DOMINGO BACA CHANNEL BARSTOW TO WYOMING

NOVEMBER 1985

INDEX TO DRAWINGS

PREPARED BY:

Jerry D. Hart, Jr.
JERRY D. HART, JR. P.E. No. 6788
DATE 11/14/85

PREPARED UNDER THE SUPERVISION OF:

Carl A. Tebbens
CARL A. TEBBENS
VICE PRESIDENT
DATE 11/15/85

SHEET NO.

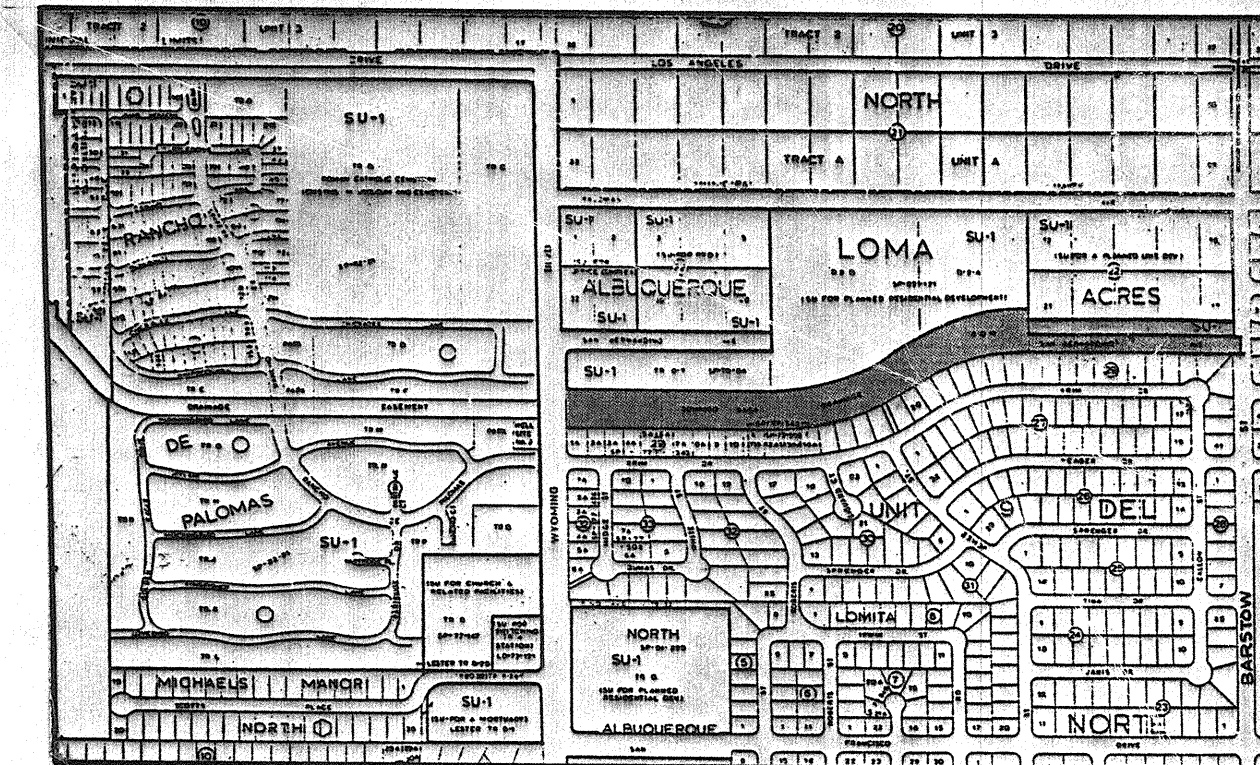
DESCRIPTION

1	TITLE SHEET
2	PLAN & PROFILE
3	PLAN & PROFILE
4-5	CHANNEL DETAIL
6	CROSSING STRUCTURE LAYOUT PLAN
7	PRESTRESSED SLAB & DECK DETAILS
8	SUBSTRUCTURE DETAILS
9-11	CHANNEL CROSS SECTIONS

These Record Drawings are in substantial conformance with the constructed facilities and are based on information supplied by field survey and inspection. Items shown in the "bubbles" denotes actual record information.

By: *Carl A. Tebbens* 1/22/87
Greiner Engineering Sciences Inc.
Carl A. Tebbens, P.E.
Vice President
6309
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

1 2 3 4 5 6 7 8 9 10 11 12
26 27 150 187



VICINITY MAP
ZONE ATLAS D-19
SCALE: APPROX. 1" = 800'

GENERAL NOTES

- All work required shall be done in accordance with the New Mexico State Highway Department Standard Specifications for Road and Bridge Construction, 1984 Edition, and as modified by the contract documents.
- Existing profiles and grades shown may vary due to recent and current work done by others in the construction area. Quantities will be adjusted accordingly.
- All existing utilities shown were taken from record drawings and are located as accurately as possible from information available. It will be the contractor's responsibility to protect, maintain in service, and at points required, verify exact location of these utilities during construction operations of this project.
- The contractor shall notify the appropriate utility company at 765-1234 two (2) working days prior to any excavation in the vicinity of any existing utility lines for location of existing utilities.
- All construction signs that remain in place over 24 hours are to be mounted 7' (seven feet) high. All construction signs shall be furnished and installed by the contractor. No separate payment shall be made for this work.
- The contractor shall confine all his activities within the construction limit and/or right-of-way as staked and preserve all existing vegetation on any private property. Parking of construction equipment shall not obstruct driveway openings & shall clear designated traffic lanes by 10' (ten feet).
- The contractor is cautioned that the traffic must be carried through construction on Barstow. Three days prior to the commencement of construction in Barstow, the contractor shall obtain a traffic control plan approved by the City of Albuquerque Traffic Department.
- All construction signing and barricading for all roadways, permissible detours, open excavations, and other incidental work for the completion of this project shall be in accordance with the New Mexico Manual and specifications for a uniform system of traffic control devices for streets and highways (Part VI 1978 Edition) and modifications thereto. All barricades shall be reflective orange and white.
- Signing and barricading shall include adequate protection against open excavation and other hazards to pedestrian traffic.
- New pavement and replacement on Barstow Street shall be per Standard City of Albuquerque Drawings included in the Contract Documents.
- The contractor shall comply with the following City of Albuquerque Local Environmental Ordinance:
Chapter 6 - Health, Safety and Sanitation
Article I - Air Pollution Control
Article VI - Refuse Collection
Article VIII - Anti-Litter Ordinance
Article XVII - Joint Air Quality Control Board
Article XXII - Noise Control Ordinance
- Fill within the R.O.W. shall be graded to blend with surrounding terrain as directed.
- Design reference documents (not part of construction documents for this project):
 - South Arroyo De Domingo Baca, Barstow to Wyoming. Conceptual Design Report of Channel Improvements. Aug., 1985. Greiner Engineering
 - Heritage Hills Unit 5, Barstow Ave. Bridge Plans, Specifications and Calculations 2/80.
 - Loma Del Norte Unit 10, Hydrology Study June, 1975.
 - Las Palomas Joint Venture (Countrywood Subdivision) Conceptual Grading and Drainage Plan, July, 1983.
 - Subsurface Investigation Barstow Street Bridge, Nov., 1985, Fox Consulting Engineers & Geologists.
 - Hydrologic & Hydraulic Impacts of the Detention Reservoir of Arroyo De Domingo Baca, June, 1979, E. H. & A.
 - Countrywood Subdivision Paving & Drainage Design, City of Albuquerque Drawing No. 2055, March, 1984.
 - S.A.D. No. 195 Domingo Baca Bridge, December, 1982.
- South Arroyo De Domingo Baca Design Discharge $Q_{100} = 1900$ c.f.s.
- Place channel ladder steps and safety posts as shown on Plan and Profile Sheets on both sides of channel, payment incidental to channel paving.

REV	1,2,4,6,7	AMAFCA	ENGR	DATE	11/15/85	USER	DEPT	DATE	11/15/85	USER	DEPT	DATE
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APPROVAL OF REVISIONS



GREINER ENGINEERING
2601 WYOMING BLVD., NE
ALBUQUERQUE, NM 87112
(505) 292-1936
JN. 0690540

APPROVED FOR
CONSTRUCTION

Richard E. Leonard
AMAFCA 11/15/85

2715

MAP NO.
D-19

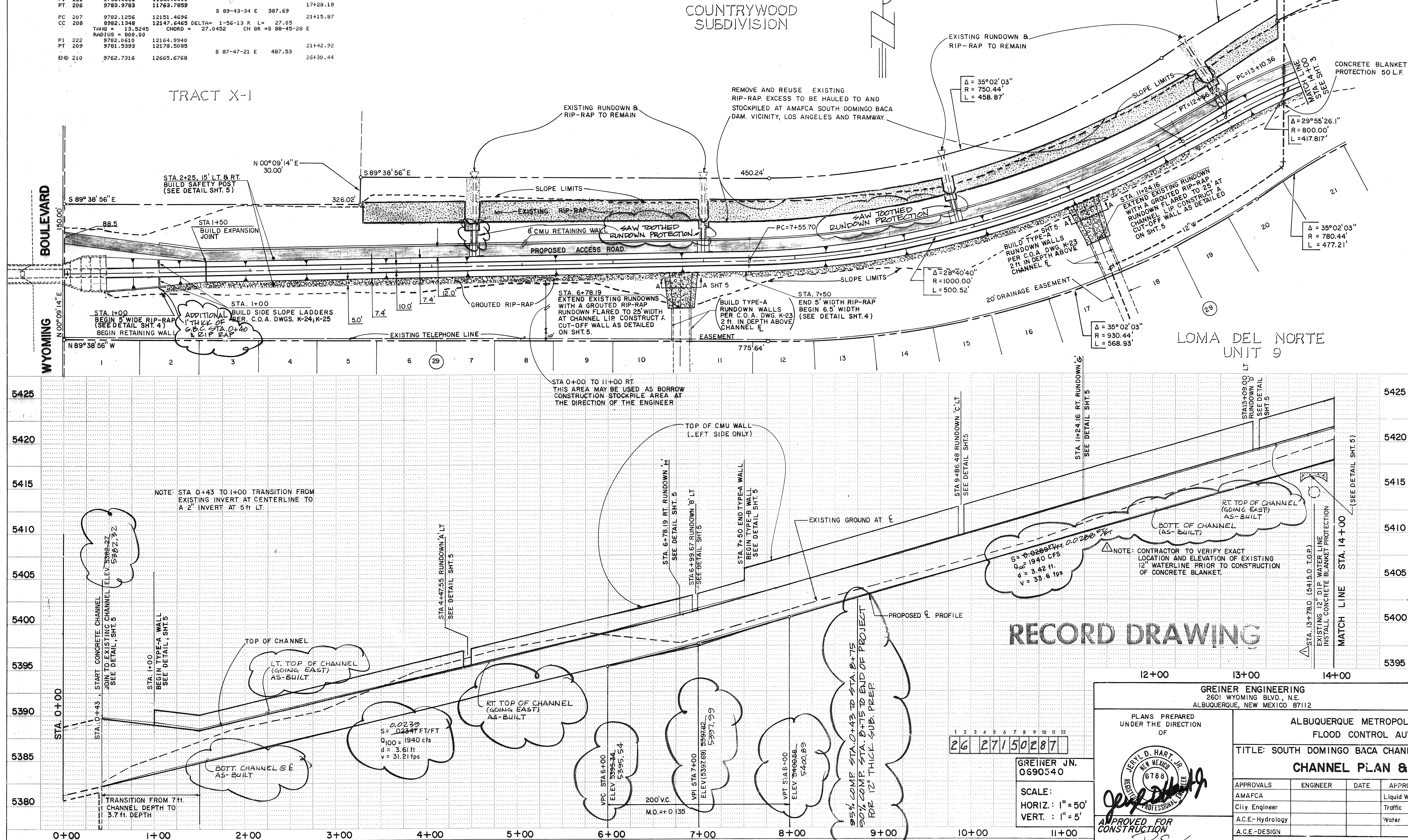
SHEET 1 OF 11

RECORD DRAWING

South Domingo Baca Channel
Channel / Plan / Profile
2715

CENTERLINE SURVEY DATA				
POINT	NORTH	EAST	BEARING	DISTANCE
PC 200	9509.5729	10126.9219	N 89°-1'-41" E	712.7
CC 202	9521.6635	10839.4166	N 89°-1'-41" E	712.7
CC 202	10821.5196	10822.4521	DELTA= 28°-40'-40" L= 500.5223	7455.70
TANG = 235.6201 RADIUS = 1000.00				
PI 220	9525.0000	11095.0000	N 60°-21'-1" E	54.13
PT 203	9562.4549	11317.1504	N 60°-21'-1" E	54.13
CC 204	9679.2393	11364.2041	N 60°-21'-1" E	54.13
CC 205	9963.9875	11759.8628	DELTA= 29°-55'-25" R L= 417.81	13110.37
TANG = 213.7883 RADIUS = 800.00				
PI 221	9785.0000	11550.0000	N 60°-21'-1" E	54.13
PT 206	9783.9783	11763.7859	N 60°-21'-1" E	54.13
CC 207	9782.1256	12151.4696	N 60°-21'-1" E	54.13
CC 208	9982.1348	12147.6465	DELTA= 1°-56'-13" R L= 27.05	21115.87
TANG = 13.5245 RADIUS = 800.00				
PI 222	9782.0610	12164.9940	N 60°-21'-1" E	54.13
PT 209	9781.5393	12178.5085	N 60°-21'-1" E	54.13
END 210	9762.7316	12665.6768	S 87°-47'-21" E	487.53

RUNDOWN TABLE				
STATION	Q	WIDTH	SLOPE	FB TYPE
A	4+47.5	10.5	2	0.55
B	6+78.9	10.5	2	0.55
C	9+86	10.1	2	0.50
D	13+09.5	8.7	2	0.54
E	14+58	1.9	2	0.20
F	16+15	12.1	4	0.39
G	11+21.16	180.1	25	1.14
H	6+99.67	124.0	5	0.89

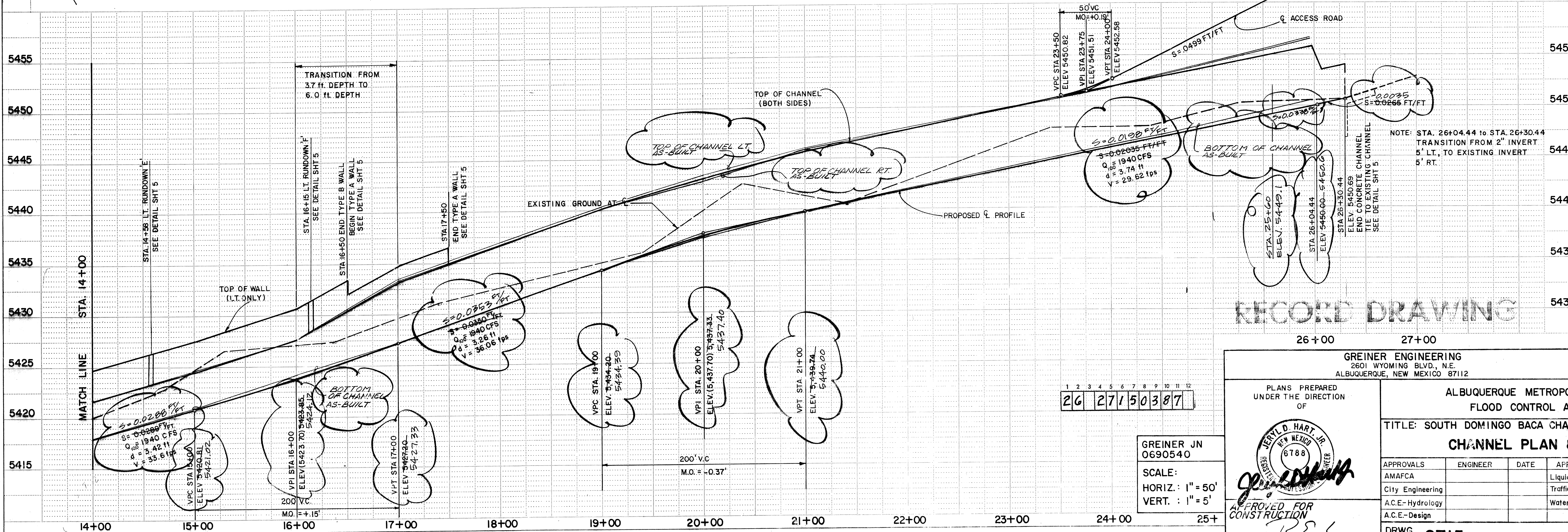


GREINER ENGINEERING 2601 WYOMING BLVD., N.E. ALBUQUERQUE, NEW MEXICO 87112		ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY	
TITLE: SOUTH DOMINGO BACA CHANNEL CHANNEL PLAN & PROFILE		SHEET 2 OF 11	
APPROVALS	ENGINEER	DATE	APPROVALS
AMAFCA			Liquid Waste
City Engineer			Traffic
A.C.E.-Hydrology			Water
A.C.E.-DESIGN			
DRWG. No.	2715	DATE	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		REFERENCES	
CONTRACTOR	BENDER CONST.	USC & GS	bench marker "HEAVEN 1969", set in top of concrete post flush with ground. To reach the station from the intersection of Central Ave. and Wyoming Blvd., 6.0 mi. to the junction with Burrows St., then continue north on Burrows St. 1.0 mi. to intersection with Los Angeles Dr., then west on Los Angeles Dr., 0.15 mi. to the station on the left. Elevation = 5378.787	NO.	DATE	MAP NO. D-19	EST. NO.
DATE	12/85	DATE	9-84	BY	J. Freerks		
DATE	6/86	DATE	12-85	BY	J. Ayers		
DATE	1/20/87	DATE	12-85	BY	J. Ayers		
MICRO-FILM INFORMATION		RECORDS		REVISIONS		DESIGN	
RECORDED BY		DESIGNED BY	R.B.	DATE	11/13/85	DATE	11/13/85
NO.		DRAWN BY	L.A.	DATE	11/13/85	DATE	11/13/85
		CHECKED BY	J.H.				

RUNDOWN TABLE							
	STATION	Q (cfs)	WIDTH (ft)	SLOPE (%)	Dn (ft)	F8 (%)	TYPE
A	+47.5	10.5	4	2	1.15	0.86	Concrete Type C
B	+678.9	10.5	2	2	0.52	0.98	Concrete
C	+985	10.1	4	2	0.60	1.00	Concrete
D	+73.09	8.7	2	2	0.58	1.00	Concrete
E	14+58	1.9	2	2	0.20	1.40	Concrete
F	16+15	12.1	4	2	0.39	1.21	Concrete
G	16+24.16	180.1	25	4.5	1.14	0.86	Rip-Rap
H	6+99.67	124.6	25	5	0.89	1.11	Rip-Rap

CENTERLINE SURVEY DATA						
POINT #	NORTH	EAST	BEARING	DISTANCE	STATION	
POB 200	9509.5729	10126.8219				
PC 201	9521.6635	10839.4166	N 89-1-41 E	712.7		
CC 202	10521.5196	10822.4512	DELTA= 28-40-40 L L= 500.5223		7+55.70	
TANG = 255.6201 RADIUS = 1000.00 CHORD = 495.3140 CH BR= N 74-41-21 E						
PI 220	9525.0003	11095.0000				
PT 203	9652.4549	11317.1504			12+56.22	
PC 204	9679.2393	11364.2041	N 60-21-1 E	54.13		
CC 205	8993.9875	11759.3628	DELTA= 29-55-25 R L= 417.81		13+10.37	
TANG = 121.7883 RADIUS = 800.00 CHORD = 413.0810 CH BR = N 75-18-43 E						
PI 221	9785.0000	11550.0000				
PT 206	9783.9783	11763.7859			17+28.18	
PC 207	9782.1256	12151.4696	S 89-43-34 E	387.69		
CC 208	8982.1348	12147.6465	DELTA= 1-56-13 R L= 27.05		21+15.87	
TANG = 13.5245 RADIUS = 800.00 CHORD = 27.0452 CH BR = S 88-45-28 E						
PI 222	9782.0610	12164.9940				
PT 209	9781.5393	12178.5085			21+42.92	
END 210	9762.7316	12665.6768	S 87-47-21 E	487.53	26+30.44	

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RECORD DRAWING

GREINER ENGINEERING
2601 WYOMING BLVD., N.E.
ALBUQUERQUE, NEW MEXICO 87112

ALBUQUERQUE METROPOLITAN ARROYO
FLOOD CONTROL AUTHORITY

TITLE: SOUTH DOMINGO BACA CHANNEL

CHANNEL PLAN & PROFILE

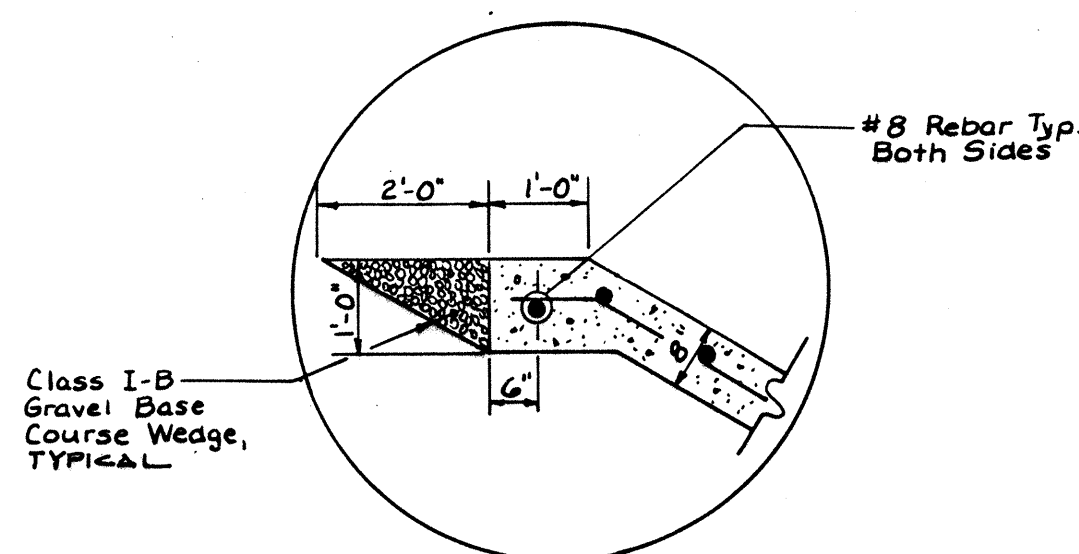
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
AMAFCA			Liquid Waste	N/A B.R.	12-12-85
City Engineering			Traffic		
A.C.E.-Hydrology			Water	N/A B.R.	12-12-85
A.C.E.-Design					

DRWG.	2715
No.	

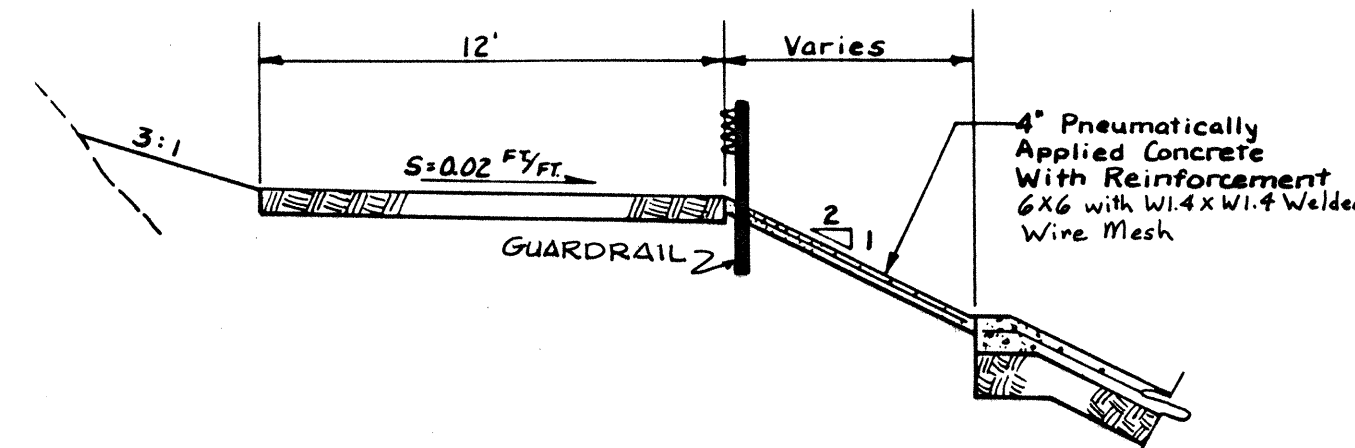
SHEET 3 OF 11

GREINER JN
0690540

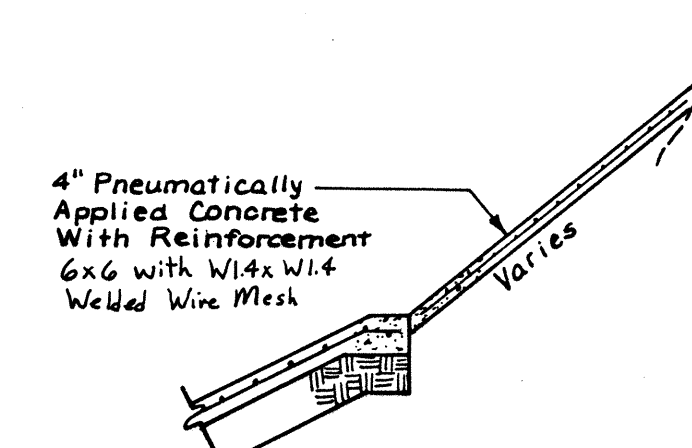
SCALE:
HORIZ.: 1" = 50'
VERT.: 1" = 5'



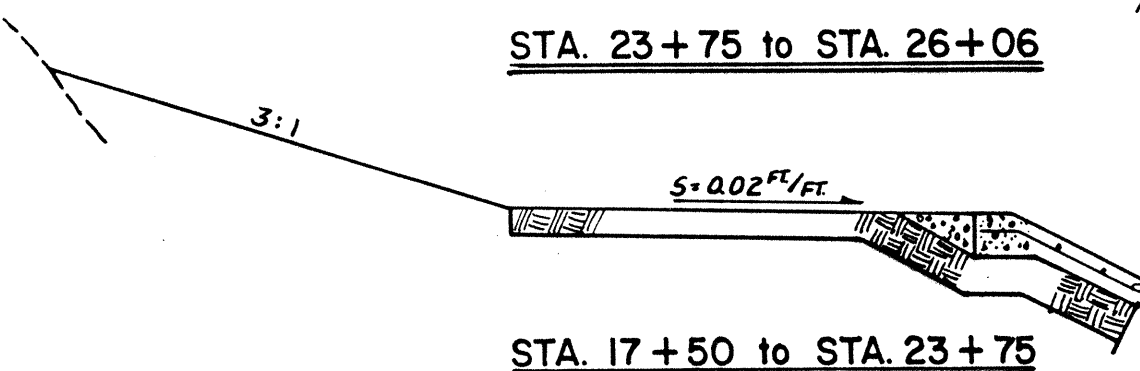
CHANNEL EDGE DETAIL
STA. 1+50 to STA. 23+75
NTS



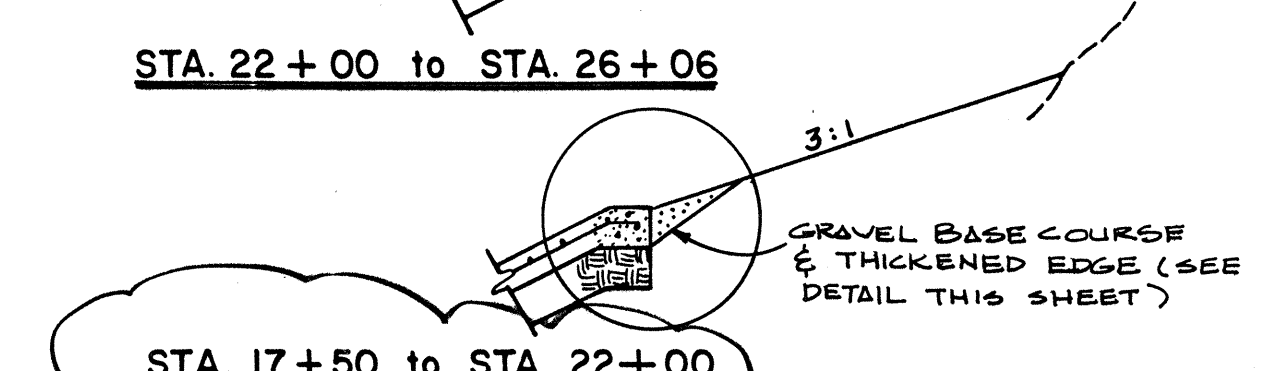
STA. 23+75 to STA. 26+06



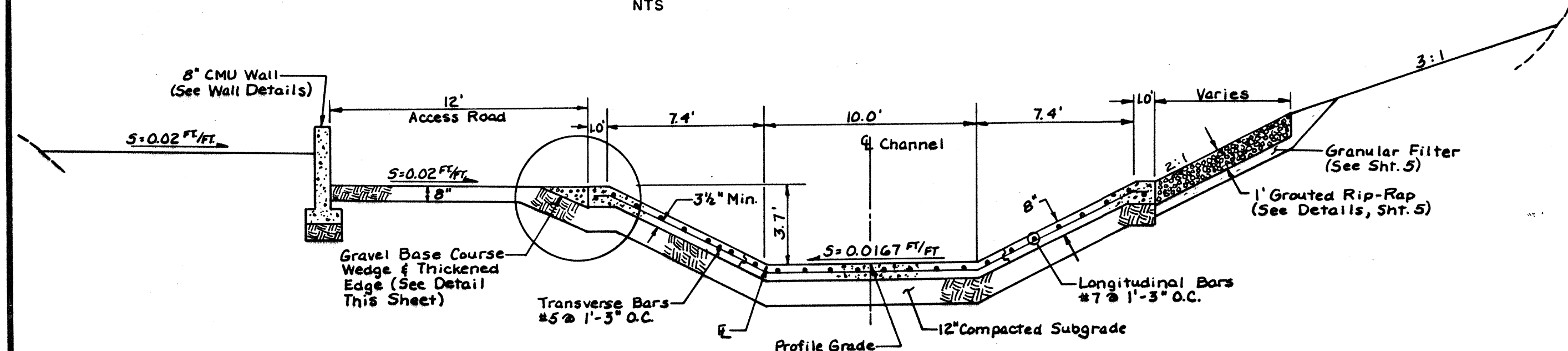
STA. 22+00 to STA. 26+06



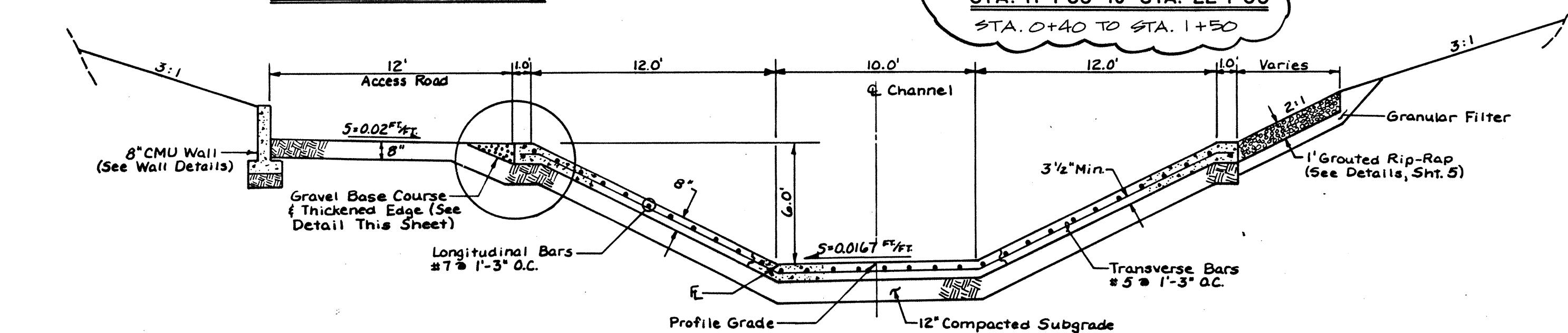
STA. 17+50 to STA. 23+75



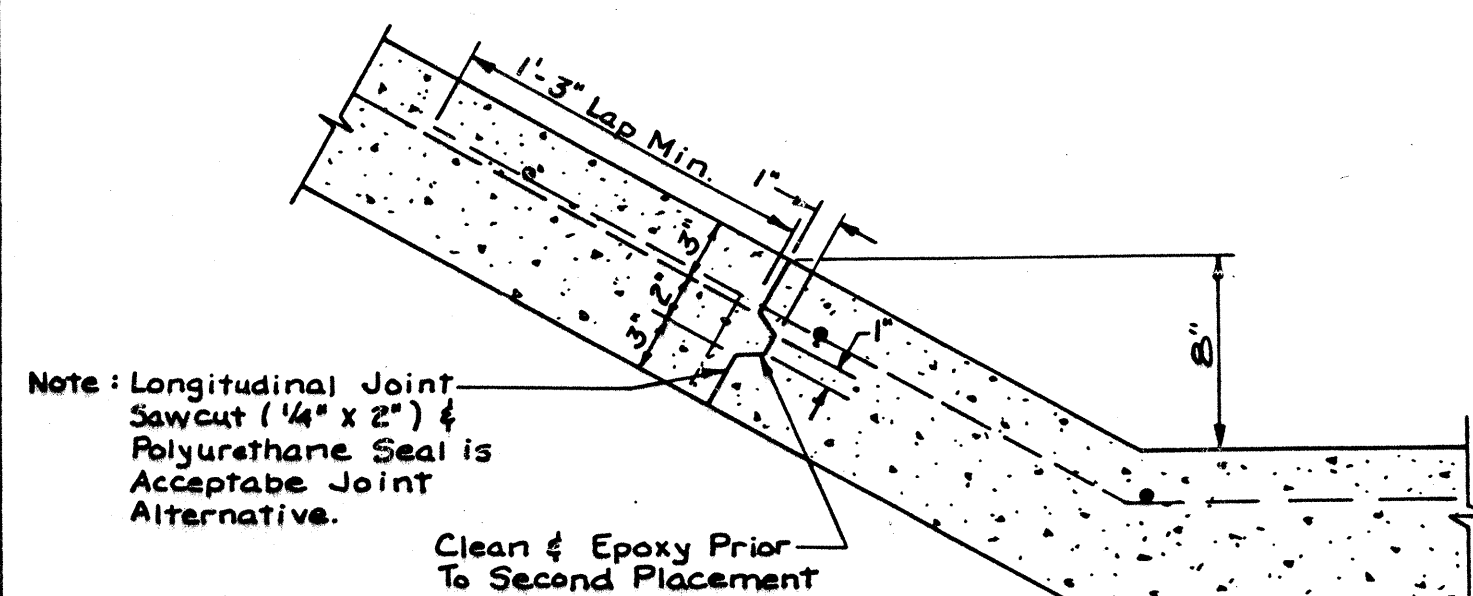
STA. 17+50 to STA. 22+00
STA. 0+40 to STA. 1+50



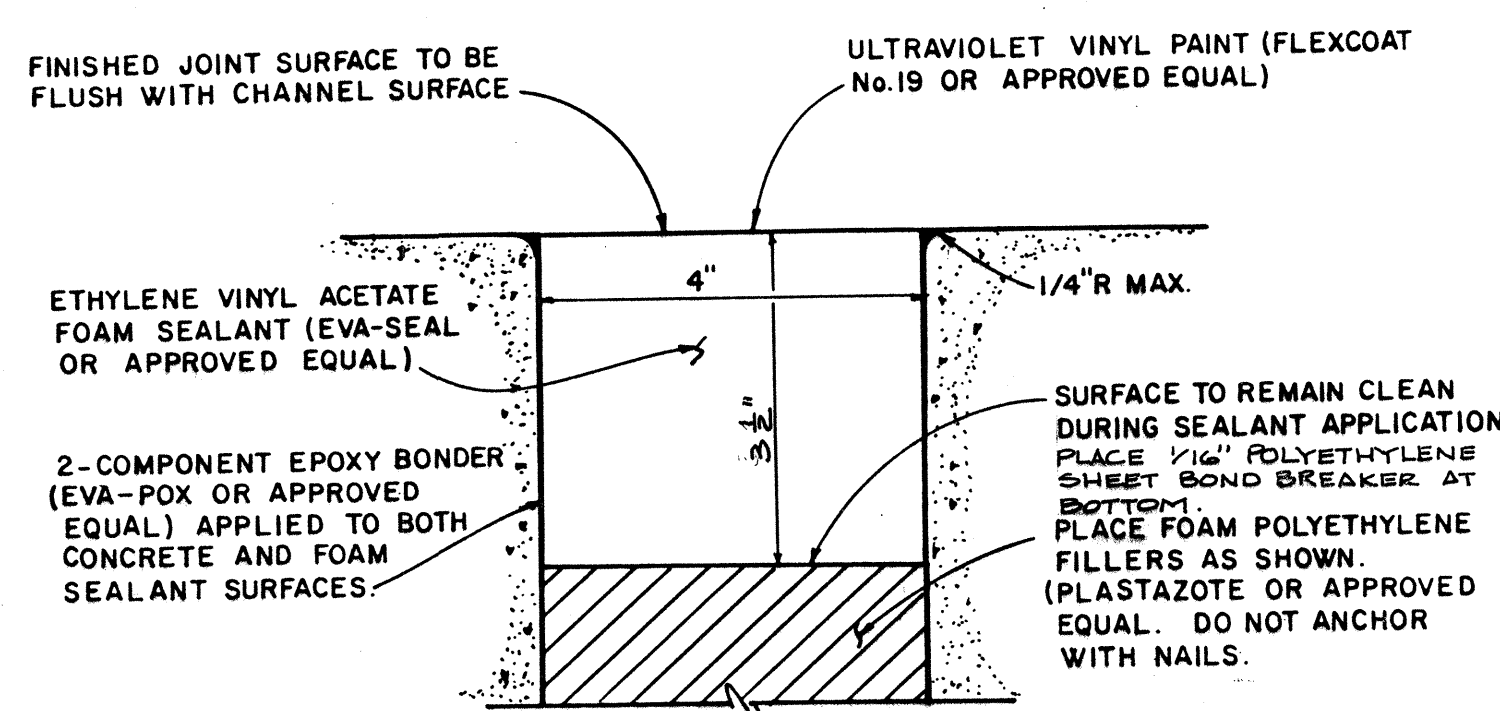
TYPICAL CHANNEL SECTION
STA. 1+50 to STA. 16+00
NTS



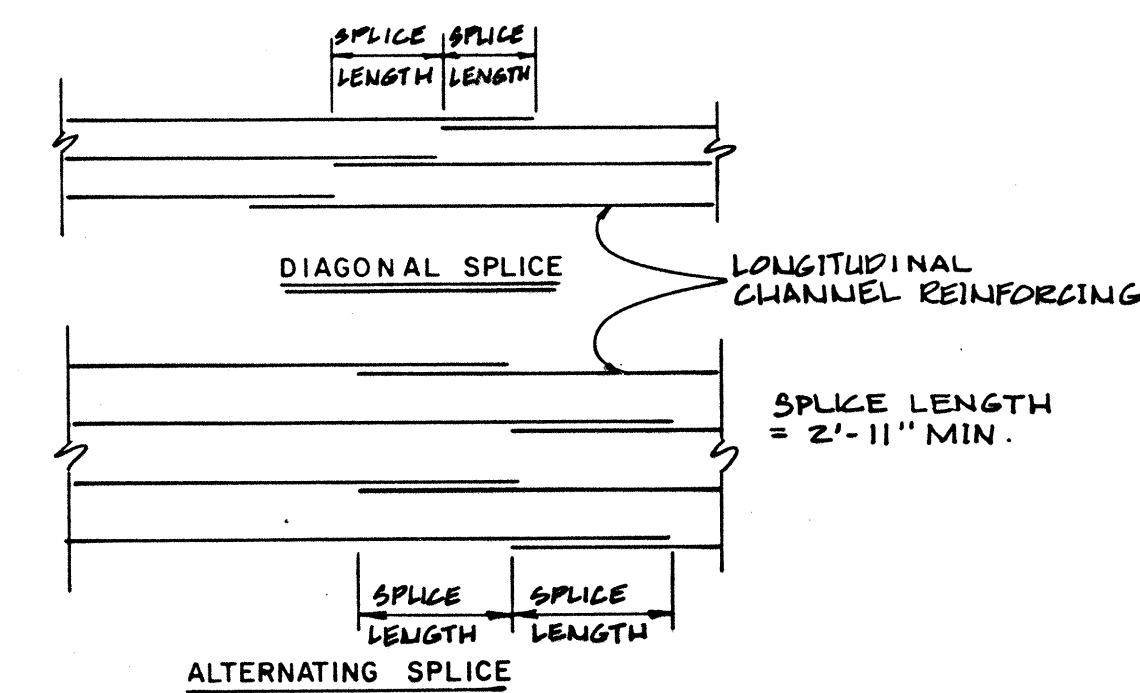
TYPICAL CHANNEL SECTION
STA. 17+00 to STA. 26+30.44
NTS



LONGITUDINAL JOINT
NTS



DETAIL B



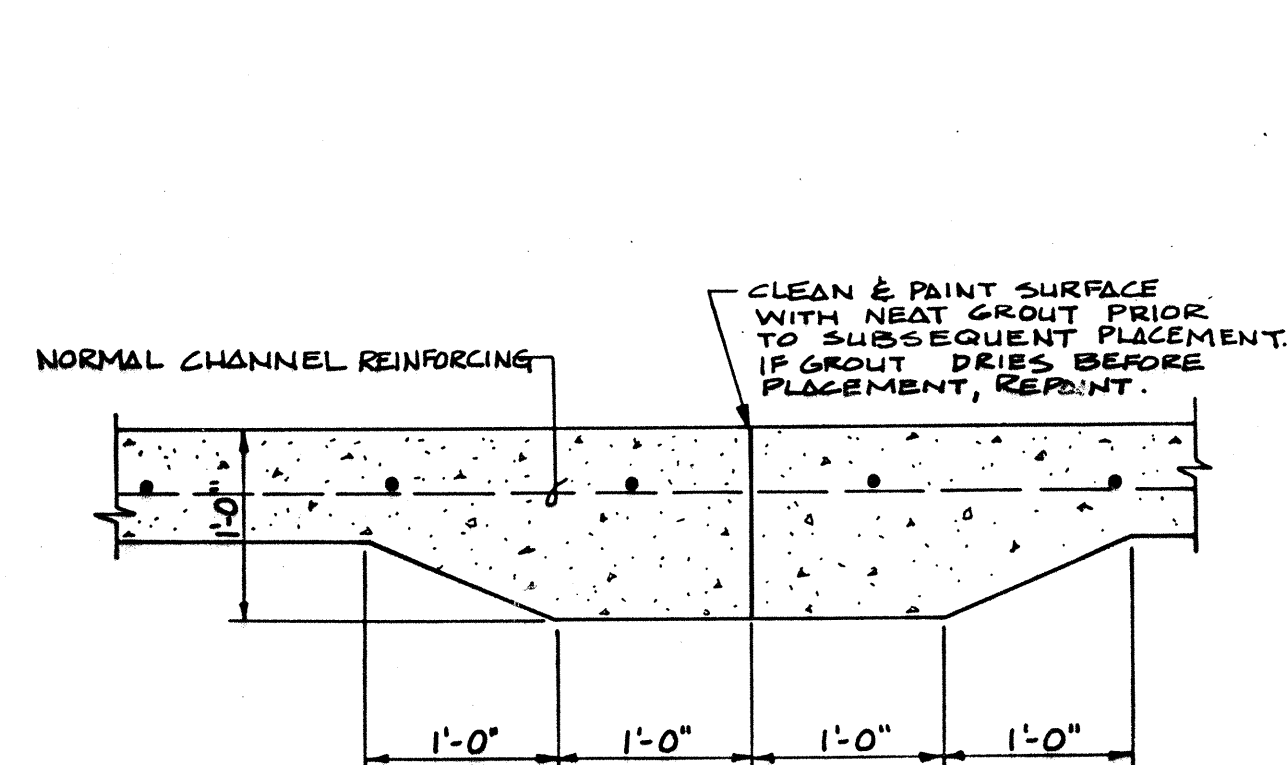
TYPICAL LONGITUDINAL SPLICE
NOTE: LONGITUDINAL CHANNEL REINFORCING SHALL HAVE ALTERNATING SPLICE OR DIAGONAL SPLICE. (NOT REQUIRED FOR TRANSVERSE BARS).

NOTE:

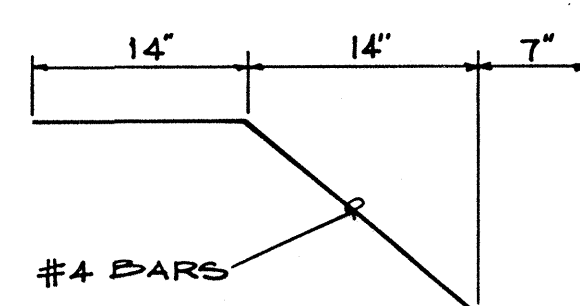
- Concrete shall be 3000 P.S.I. 28 Day strength with maximum aggregate size as stated in the specifications.
- All reinforcing steel shall be Grade 60 deformed bars, unless otherwise shown.
- All steel spacing are given to the centerline of the bars, unless otherwise shown.
- All exposed edges shall have a 3/4" chamfer, unless otherwise shown.
- Channel rebar shall be supported on 3-1/2" sand chairs at a maximum spacing of 5' perpendicular to the channel centerline.
- Place channel ladder steps and safety posts as shown on Plan and Profile Sheets on both sides of channel, payment incidental to channel paving.
- Minimum subgrade compaction shall be 90% per ASTM D 1557.

EXPANSION JOINT CONSTRUCTION NOTES

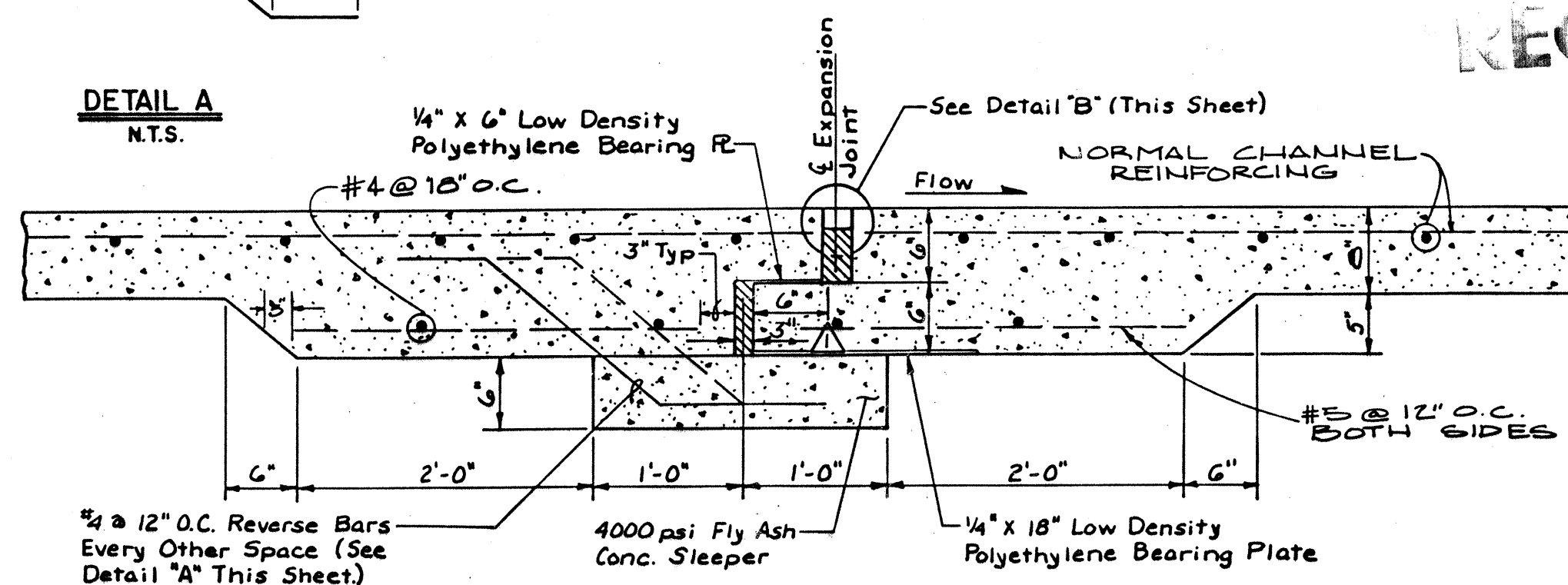
- Compact sleeper subgrade to 90% per ASTM D 1557.
- Pour sleeper with Z-bar reinforcement extending above slab. Steel trowel bearing plate surface only.
- Compact subgrade and form downstream portion of joint. Construction joints may be installed a min. of 5 feet upstream and downstream of joint centerline. Place lower bearing plate and downstream reinforcing and make downstream pour. Steel trowel upper bearing plate surface.
- Compact subgrade and form upstream portion of joint. Place reinforcing steel, upper bearing plate, and upper and lower foam filler material. Upper bearing plate must be parallel to lower bearing plate. Do not anchor foam filler material with nails or bonding agent, but keep flush with poured downstream section. Block out foam sealant notch, clean exposed sleeper surface and make upstream pour.
- When upstream and downstream concrete has reached a min. of 80% design strength or after a minimum of seven days has elapsed since concrete was poured, remove sealant notch form, sand blast vertical surfaces and blow all debris from notch. Apply epoxy bond to both vertical concrete faces and to both sides of foam sealant material. Immediately compress foam sealant into notch. Remove bond from top surface of sealant material, but do not clean bond bead along edges.
- If sealant material extends from 0" to 1/8" above channel flowline, apply ultra violet paint as specified. If sealant material extends from 1/8" to 1/2" above channel flowline, power sand material flush with channel flowline under the direction of the Engineer prior to application of ultra violet paint.



CONSTRUCTION JOINT
SCALE: 1" = 1'-0"



DETAIL A
NTS



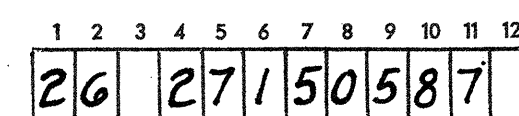
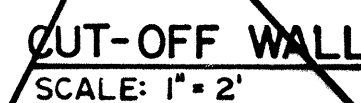
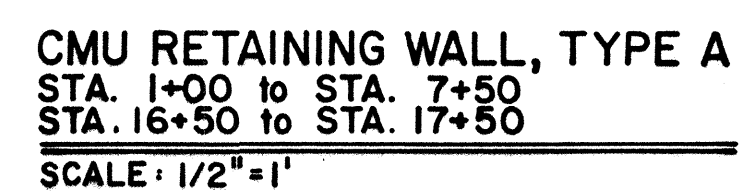
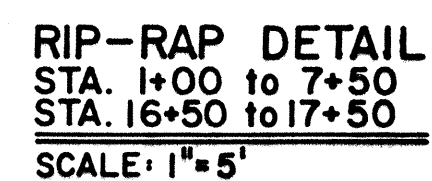
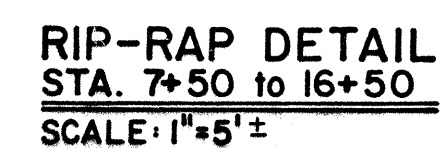
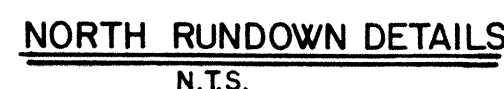
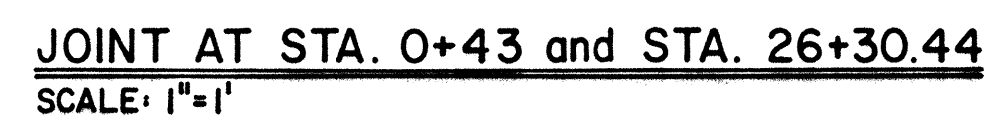
EXPANSION JOINT WITH CONCRETE SLEEPER
NTS

RECORD DRAWING

26 27 15 04 87

JN. 0690540

GREINER ENGINEERING 2601 WYOMING BLVD., N.E. ALBUQUERQUE, NEW MEXICO 87112		ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY	
PLANS PREPARED UNDER THE DIRECTION OF JERRY D. HART, JR. PROFESSIONAL ENGINEER NEW MEXICO 6788		TITLE: SOUTH DOMINGO BACA CHANNEL CHANNEL DETAILS	
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer			Liquid Waste
AMAFCA			Traffic
A.C.E.-Hydrology			Water
A.C.E.-Design			
DRWG. No.	2715	DATE	
DESIGNED BY R.B. DRAWN BY L.A. CHECKED BY J.H.		DATE 11/13/85 DATE 11/13/85 DATE 11/13/85	
SHEET 4 OF 11			



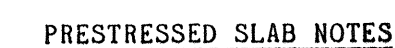
JN. 0690540

RECORD DRAWING

SHEET 5 OF 11

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FILED 11-3-76
D7-76



1. All workmanship and materials shall conform to New Mexico State Highway Department Specifications.
2. Cost of prestressing tendons, reinforcing bars and structural steel items embedded in the slabs shall be included in the unit price bid for each slab.
3. Slab Fabricator shall determine the type of devices to be used for lifting. Lifting method shall be submitted for the Engineer's approval prior to their installation in the slabs. Slabs shall be cast, lifted, stored, hauled, and installed in a horizontal position.
4. The top surface of the slab is to be roughened and raked to produce 1/4" deep grooves diagonally each way approximately 1-1/2".
5. Prestressing tendons for pretensioned slabs shall consist of high-tensile strength seven-wire steel strands conforming to requirements of New Mexico State Highway Department Specifications.
6. Uncoated seven-wire high strength prestressing strand having properties other than those shown in Design Data may be used. Should the contractor elect to use such strand, the number of strands per slab and the strand pattern will be redetermined on the basis of strand strength. New design to be prepared by the Contractor and submitted to the Engineer for approval.
7. All exposed corners shall be chamfered 3/4".
8. Type III cement may be used at the fabricator's option without obtaining written consent of the Engineer.
9. Top layer of reinforcing steel shall be as specified.
10. Forming designs for panel widths and reinforcing will be considered.

	NEW CONCRETE
	NEW SLOPE PAVING
	NEW ARTERIAL PAVING
	NEW CURB

DESIGN DATA - CROSSING STRUCTURE

Design according to A.A.S.H.T.O. Specifications, 1983,
Interim 1984.

Live Load: HS 20-44.

Design Stresses: Prestressed Slab
 $f'_c = 5000\#/\text{sq. in.}$ (Minimum compressive strength of concrete at time of initial prestress, $f'_{ci} = 4000\#/\text{sq. in.}$)

1/2" diameter seven wire steel strands. Minimum yield = 35,100#/strand.

Initial prestress = 28,910#/strand; f's = 41,300#/strand; fsc
= 22,960#/strand; computed losses = 5.950#/strand.

Conventional Reinforcing Bars: Grade #10:

Design Stresses: Cast In Place Concrete

Horizontal Earth Pressure - $43\#/ft.^3$ Eq. fluid pressure and 2' surcharge.

Max. Computed Footing Pressure - Abut. No. 1 = 2,900#/ft.²
Abut. No. 2 = 2,900#/ft.²

Conventional Reinforcing Bars: Grade 60; $f'_c = 3,000 \text{#/sq.in.}$

GENERAL NOTES - CROSSING STRUCTURE/BARSTOW STREET

- General Notes: MISSISSIPPI ROUTE 100, BAYVIEW SIDE
1. Earthmanhole and Shrink Joint shall conform to New Mexico State Highway Department Specification for Road and Bridge Construction, 1984 Edition.
2. Concrete for structural cast-in-place concrete shall be $f'c = 3000$ psi at 28 days. All concrete shall use $3/4"$ diameter aggregate, having a maximum $4"$ slump and 5-7% entrained air content. Topping concrete for the deck shall comply with Section 503.28. Finish for deck shall be broom finish. All exposed edges of concrete $3/4"$ inch unless noted otherwise. Details shall be as shown.
3. Reinforcing Bars shall conform to A.S.T.M. Specification A-615, Grade 60 unless otherwise noted. Dimensions are to centerline of bar unless otherwise noted. Shop drawings shall be prepared on City of Albuquerque mylars to allow their filing with the bridge plans. A set of bridge mylars shall be submitted to the engineer once any revisions have been coordinated.
4. Structural Steel shall be carbon steel conforming to A.S.T.M. Specification A-36.
5. Preformed bituminous joint filler shall conform to A.A.S.H.T.O. Specification M-213. Cost of all joint filler in place is incidental to the completion of the work and no direct payment will be made thereafter.
6. Non-shrink grout shall conform to the requirements in Section 610 of the Specifications. Furnishing and placing non-shrink grout will be considered incidental to the completion of the work and no direct payment will be made therefor.
7. Metal bridge railing to be relocated shall receive one prime coat of red lead in accordance with Section 615.038 of the Standard Specifications, and two coats of silver paint according to A.A.S.H.T.O. Specification M-70, Type I, Class B.
8. After tightening nuts on all bolts, burr threads.
9. Elastic Bearing Pads shall conform to Section 514.
10. The soils engineer shall inspect all foundations prior to footing construction. Once the excavation reaches bottom of footing elevation, the ground must be scarified $3"$ and recompacted to 95% of the Modified Proctor Density, using non-vibratory compactors.
11. See Appendix A for soil log borings. Fox Lab #0117090.
12. Neat line cut and trim edge of existing pavement back 1' to 2' where new arterial pavement matches to existing pavement. Apply sealant to the edge of existing pavement.
13. Patch holes left by guardrail to be removed. Trim cut and trim pavement for a 2' x 2' patch. Install asphalt concrete arterial pavement per Dag. P-25.
14. See Special Condition No. 19 regarding design approval by City for crossing structure.

RECORD DRAWING

GREINER ENGINEERING
2601 WYOMING BLVD., N.E.
ALBUQUERQUE, NEW MEXICO 87112

ALBUQUERQUE METROPOLITAN ARROYO
FLOOD CONTROL AUTHORITY

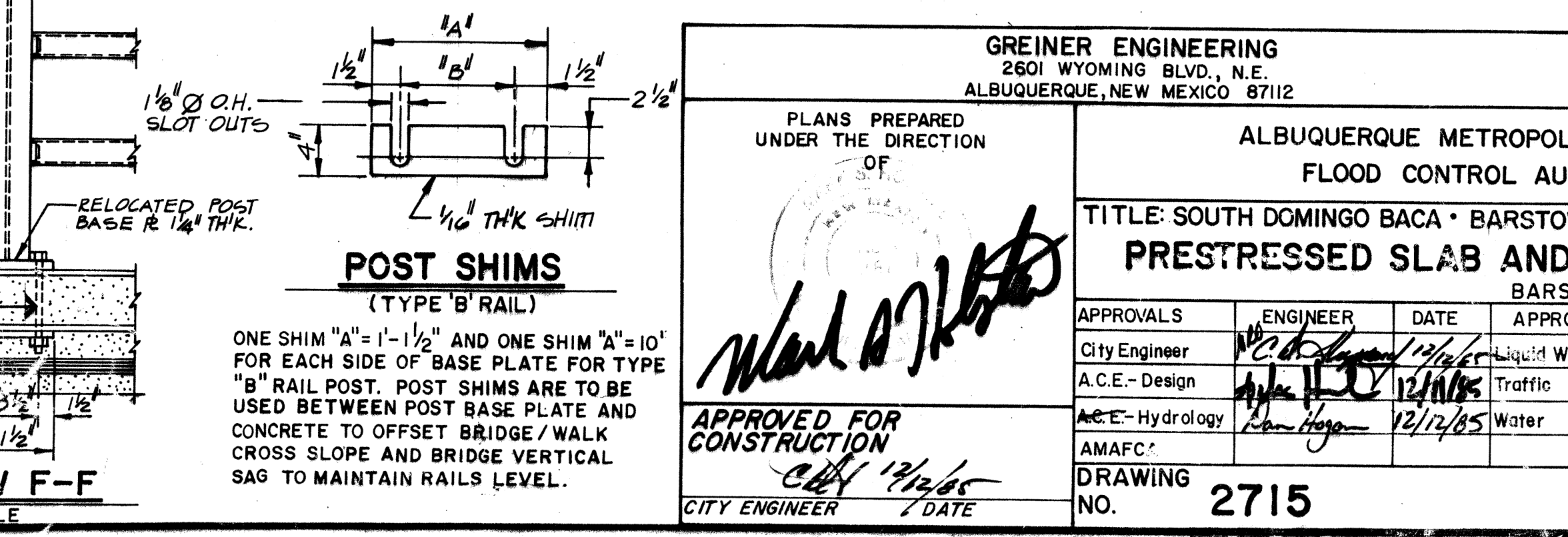
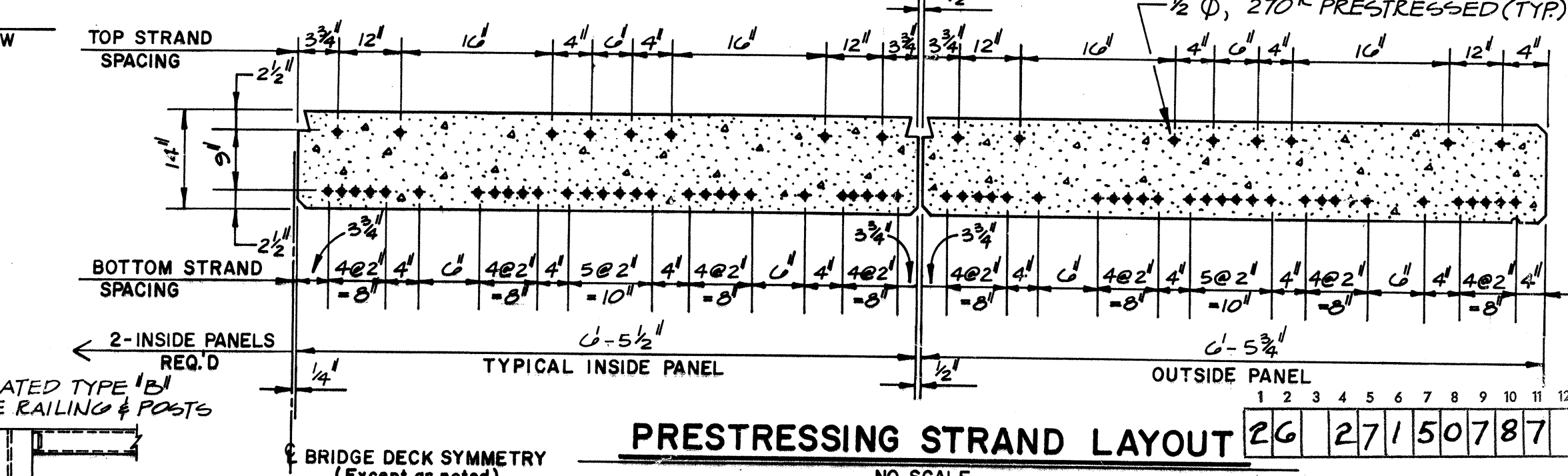
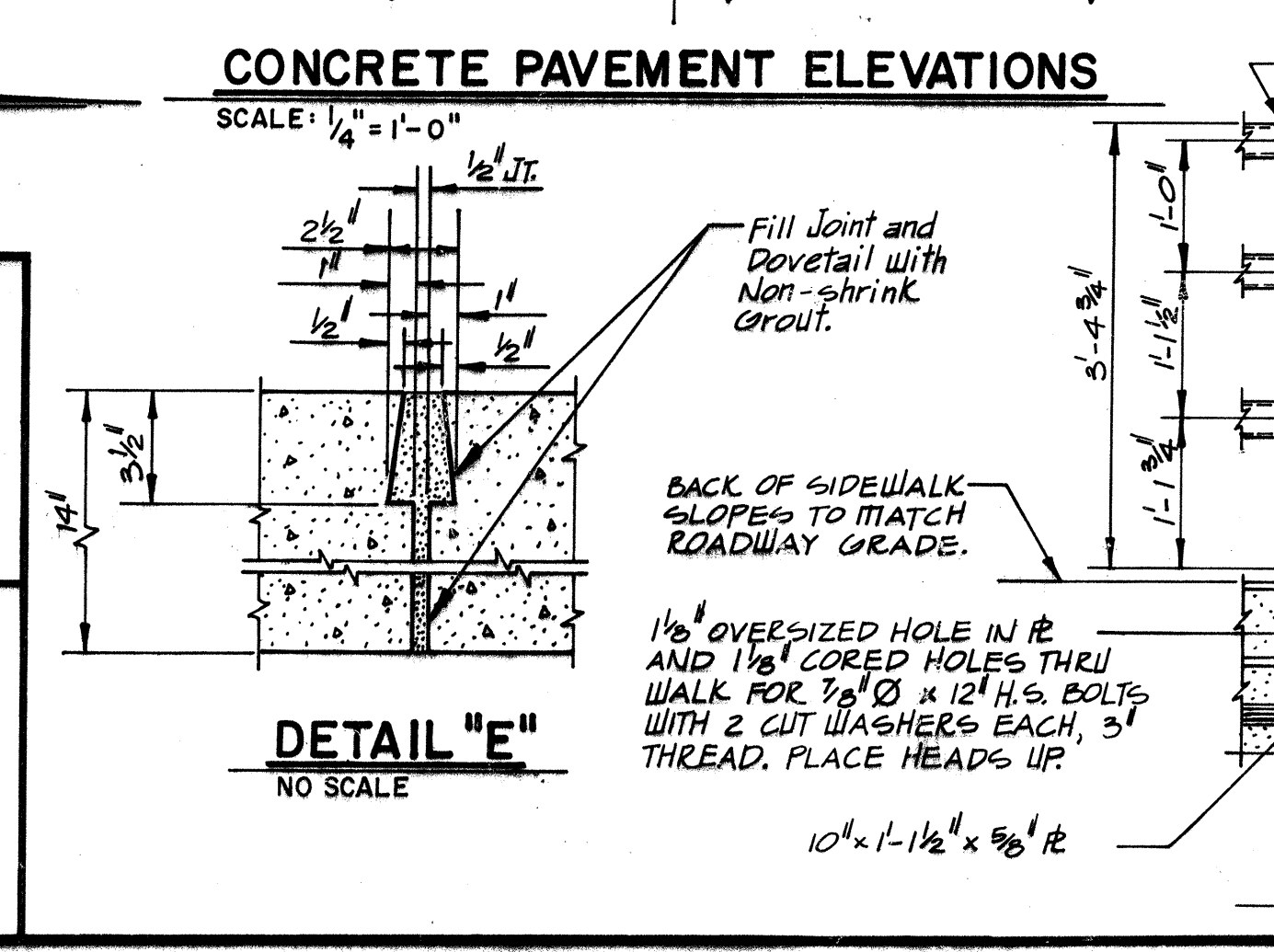
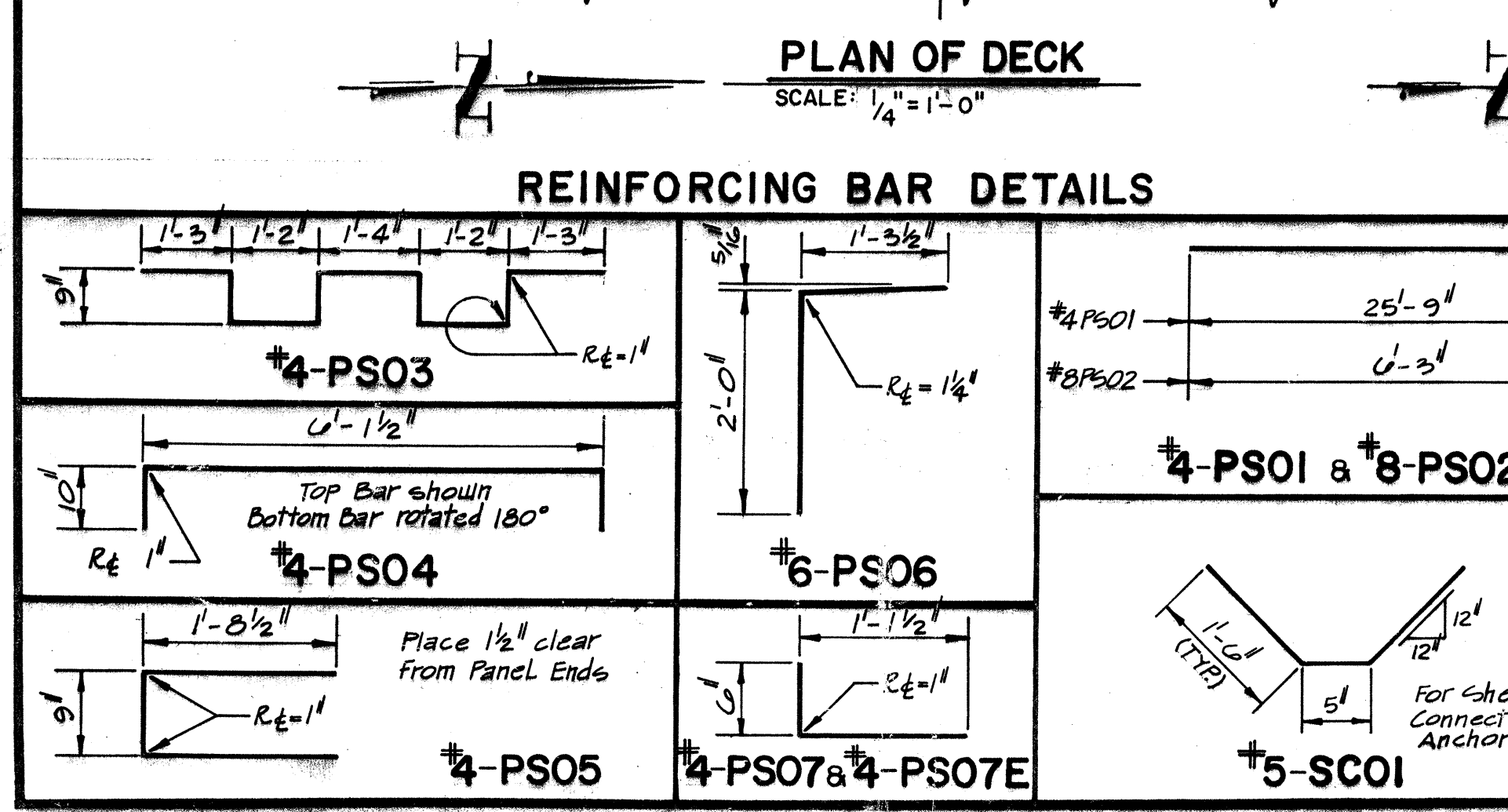
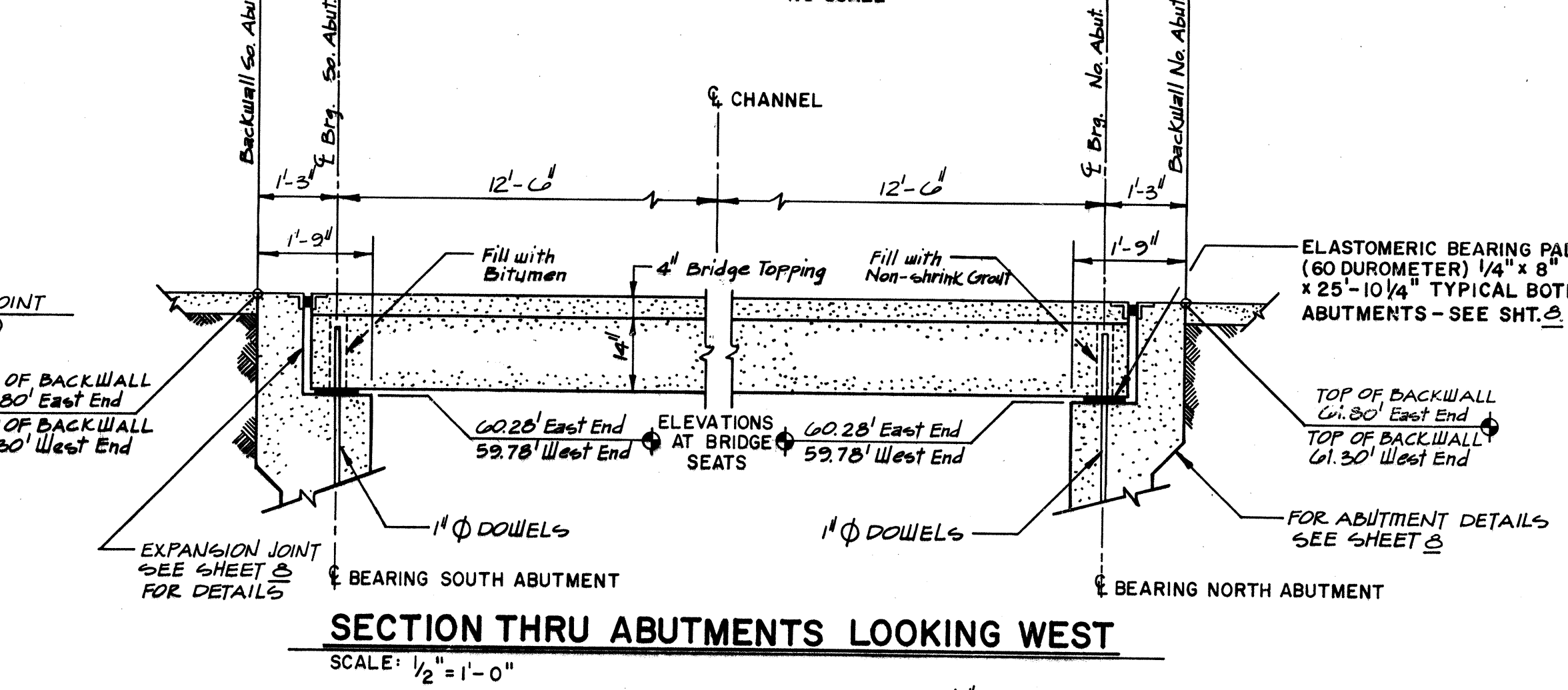
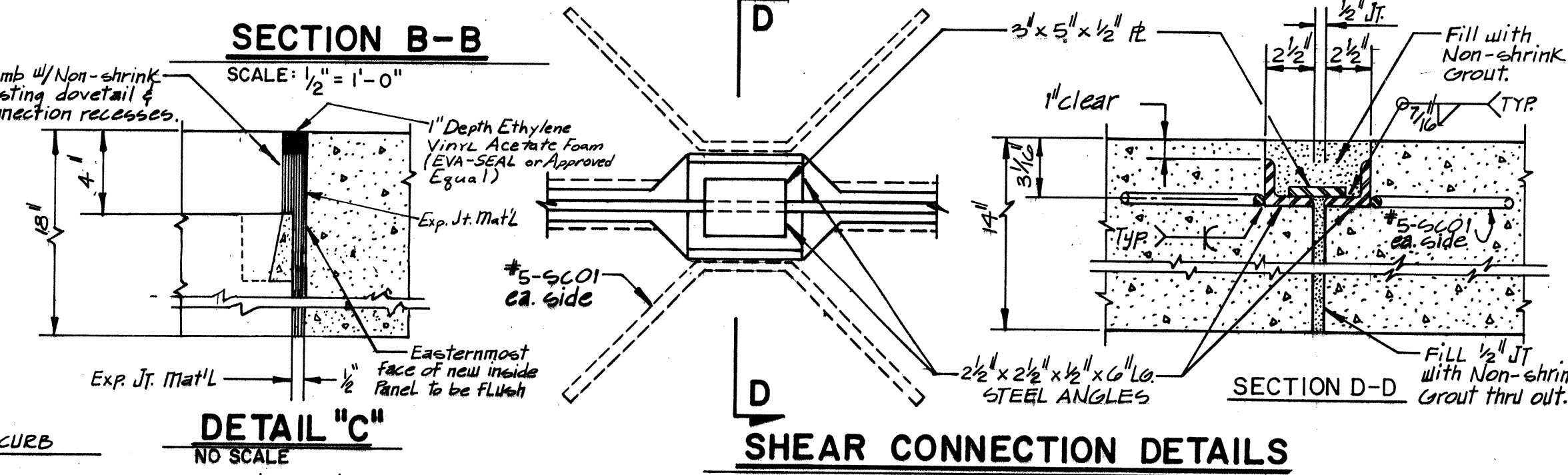
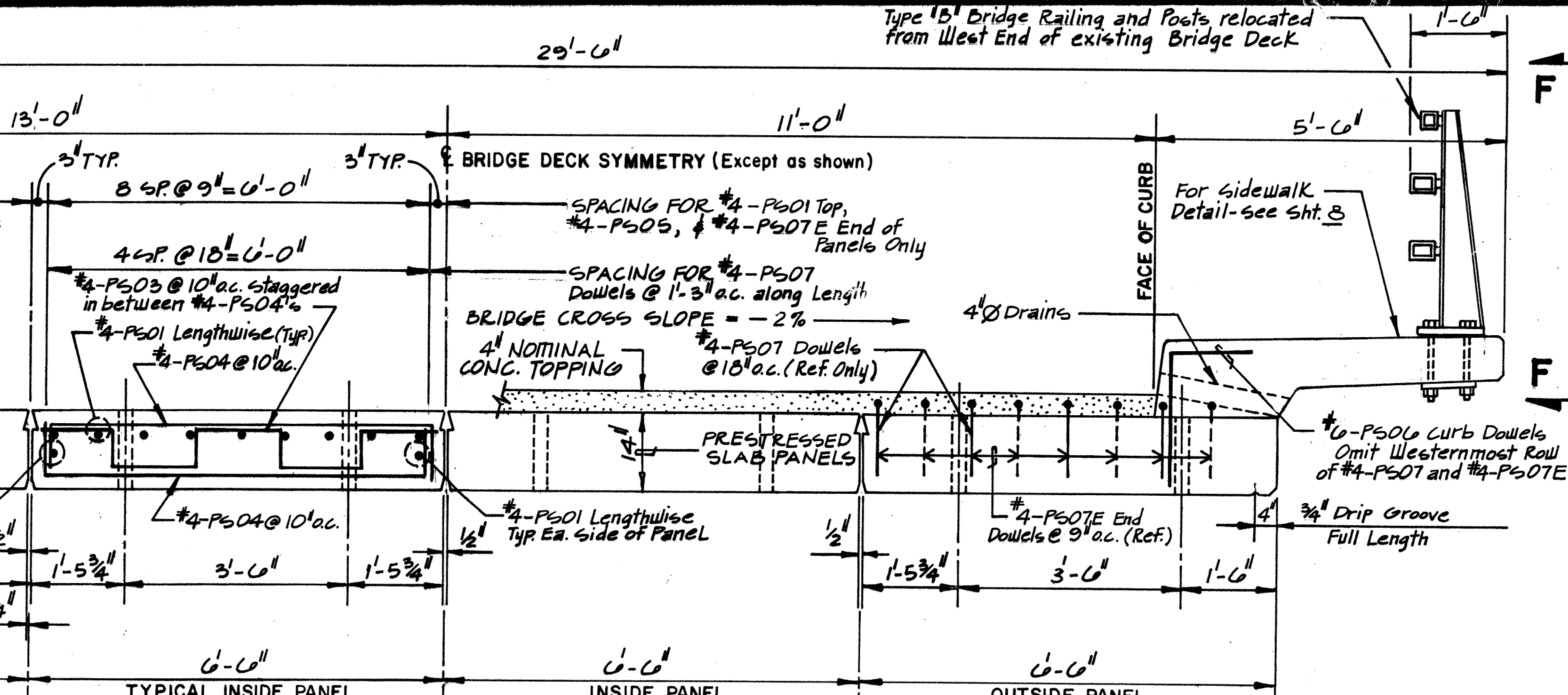
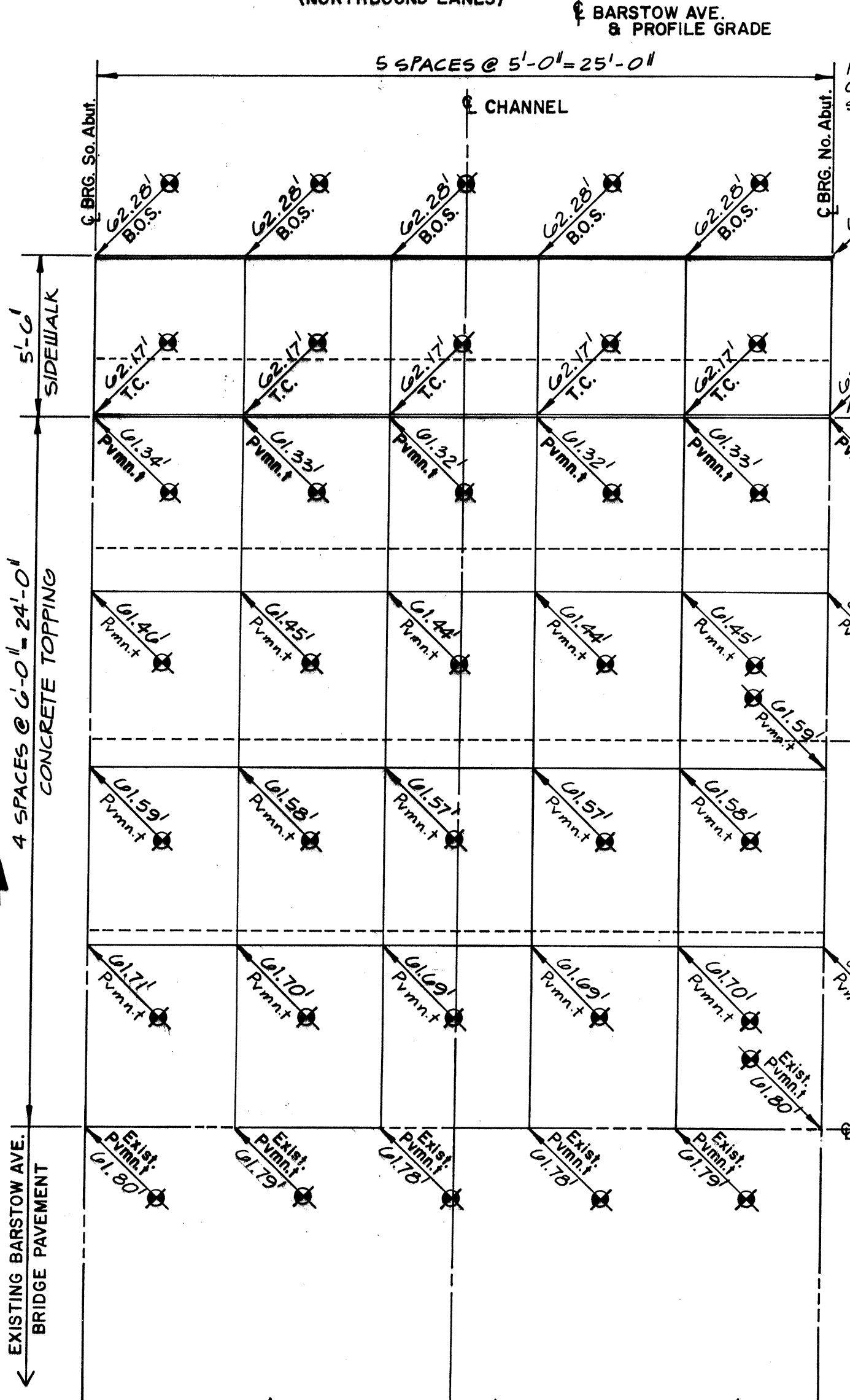
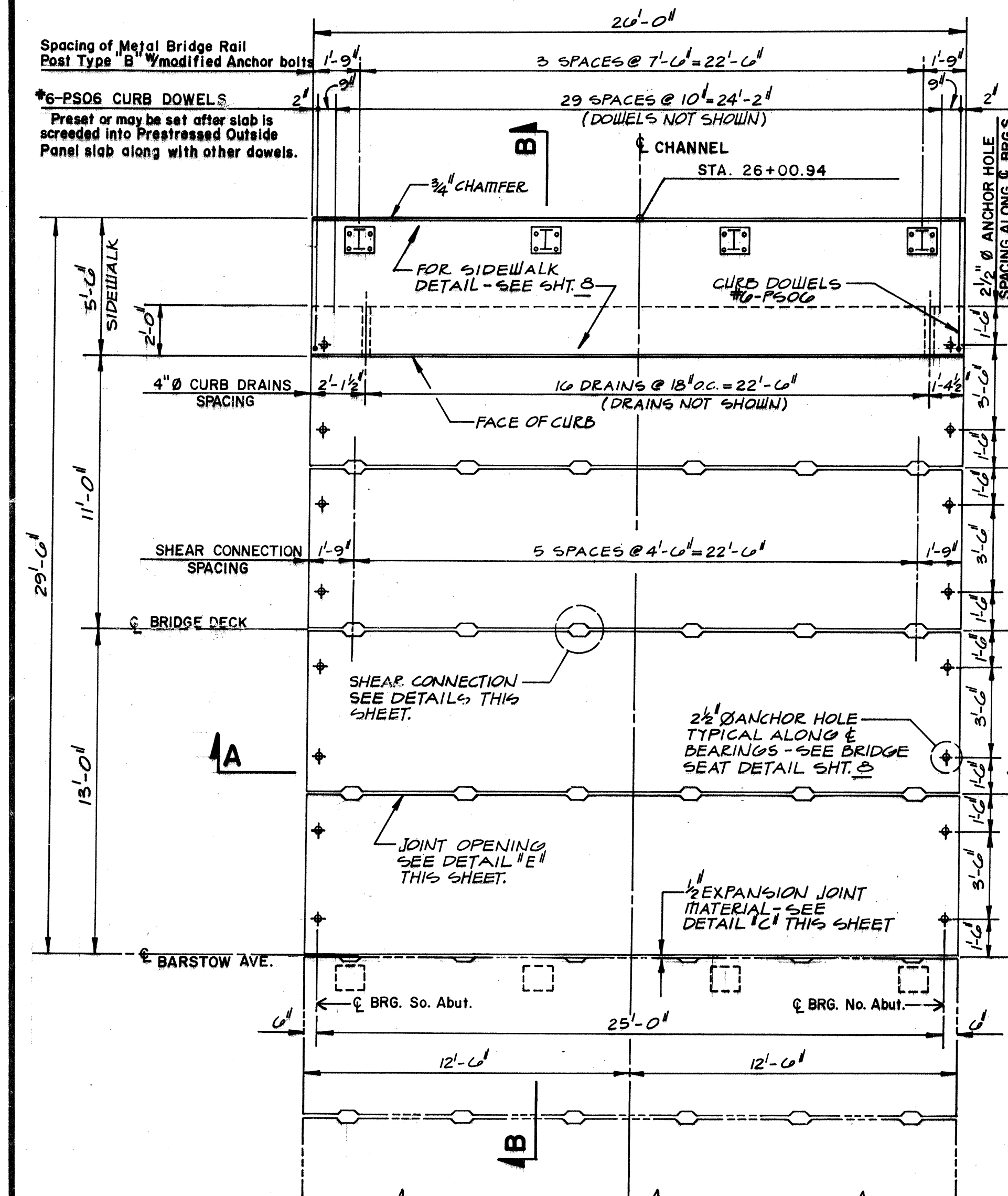
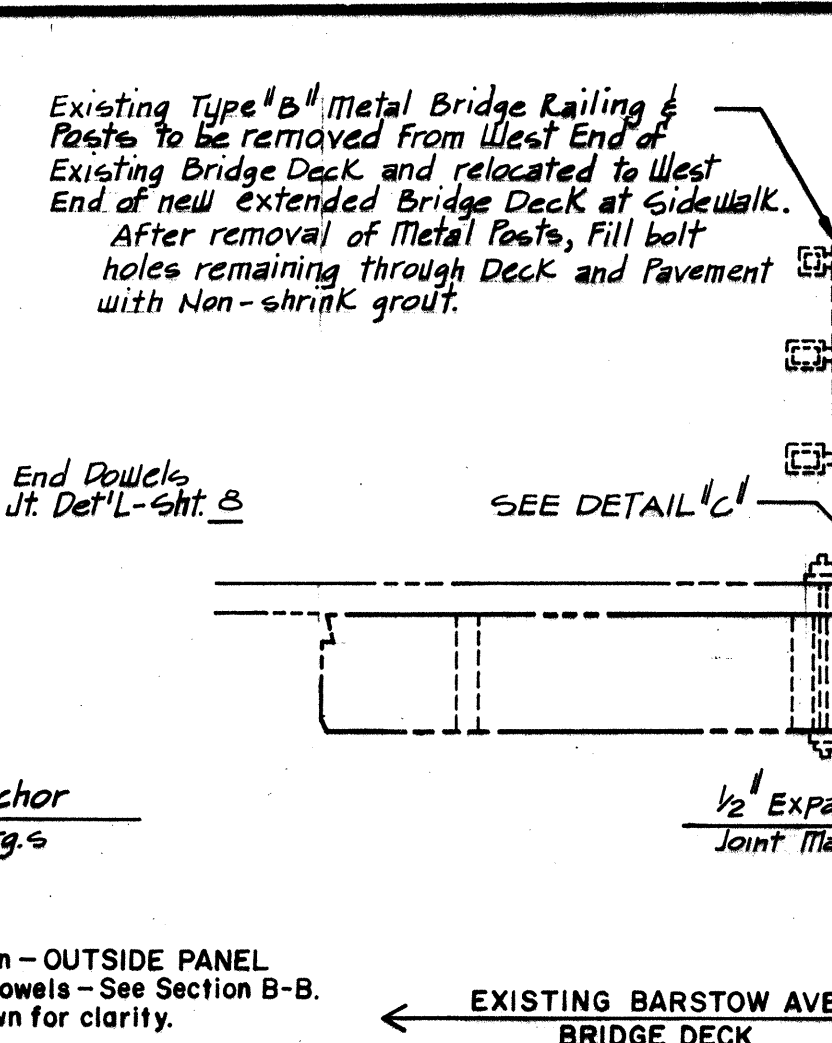
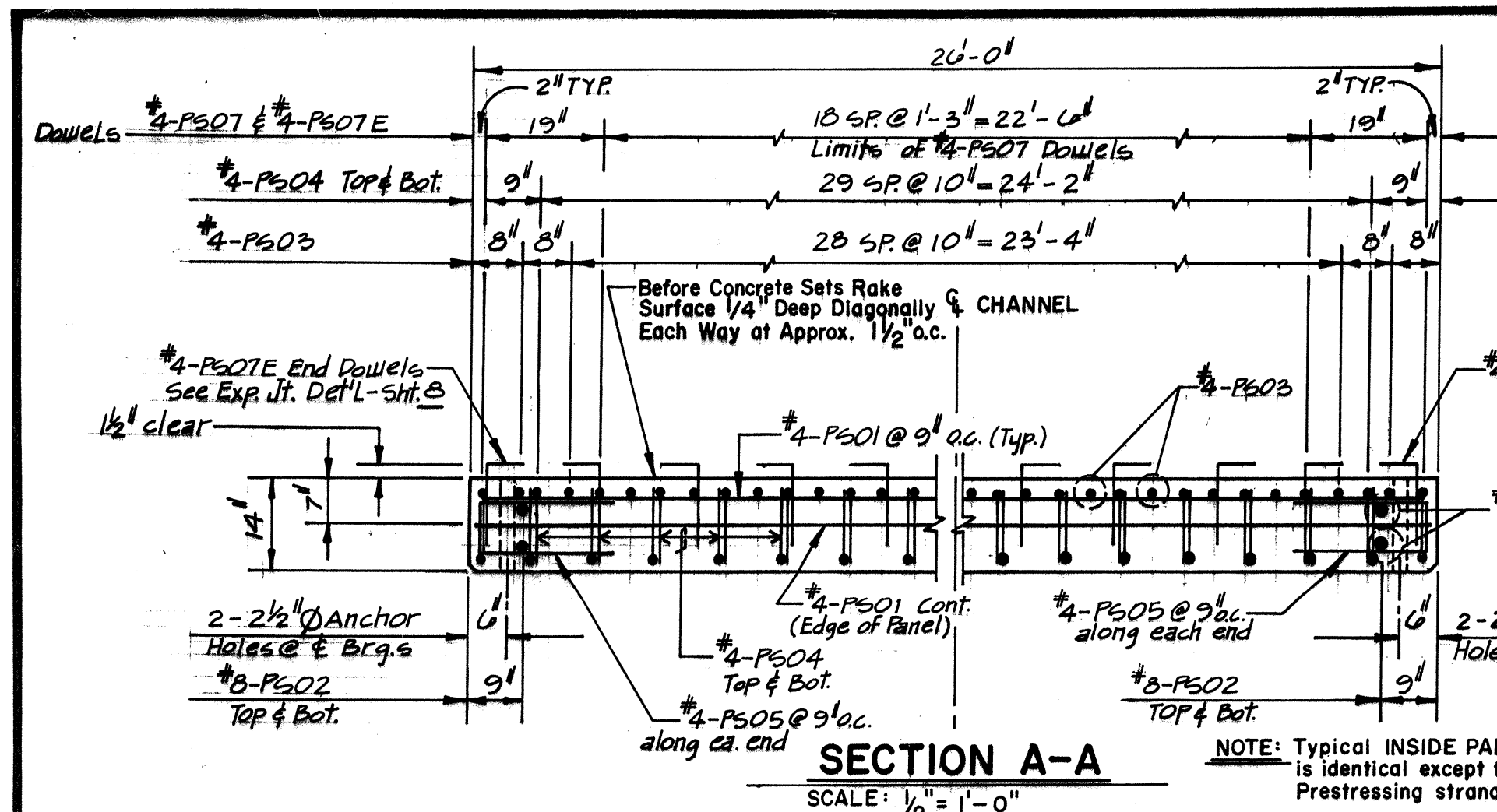
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STRUCTURE LAYOUT PLAN

BARSTOW AVE. BRIDGE WIDENING					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	<i>12/12/85</i>	Liquid Waste	N/A B/C	12/12/85
A.C.E. - Design	<i>[Signature]</i>	12/1/85	Traffic	D.A. Panko	4/10/86
A.C.E. - Hydrology	<i>[Signature]</i>	12/12/85	Water	N/A B/C	12/12/85

	DRAWING	
	NO.	2715

SHEET 6 OF 11

100



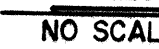
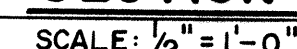
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CONTRACTOR	BENDER	CONSTR.	DATE	SEE	SHEET	OF	II	NO.	BY	DATE	NO.	BY	DATE	NO.	BY	DATE	NO.	BY	DATE
GREINER	GREINER	12/85	12/85					1659	J. Freicks	9-84									
								1726	J. Ayers	12-85									
								1727	J. Ayers	12-85									
MICRO-FILM INFORMATION																			
RECORDED BY																			
DATE																			

REVISIONS			
NO.	DATE	REMARKS	BY
1	NOV. '85	DESIGNED BY M. Denton	
2	NOV. '85	DRAWN BY E. Molina	
3	NOV. '85	CHECKED BY M. Holstad	

APPROVALS				APPROVALS			
CITY ENGINEER	ENGINEER	DATE	APPROVALS	CITY ENGINEER	ENGINEER	DATE	APPROVALS

TITLE: SOUTH DOMINGO BACA - BARSTOW CROSSING STRUCTURE			
PRESTRESSED SLAB AND DECK DETAILS			
BARSTOW AVE. BRIDGE WIDENING			
APPROVED FOR CONSTRUCTION			
CITY ENGINEER DATE			
DRAWING NO. 2715			
SHEET 7 OF 11			

RECORD DRAWING



5
6
7

16+20.45

END AREAS (SQ. FT.)
CUT 428
FILL 19

18+20.44

END AREAS (SQ. FT.)
CUT 490
FILL 17

17+20.44

END AREAS (SQ. FT.)
CUT 436
FILL 13

16+29.22

END AREAS (SQ. FT.)
CUT 183
FILL 22

15+27.46

END AREAS (SQ. FT.)
CUT 181
FILL 120

14+75.45

END AREAS (SQ. FT.)
CUT 183
FILL 120

4+22.33

END AREAS (SQ. FT.)
CUT 184
FILL 120

13+11.36

END AREAS (SQ. FT.)
CUT 186
FILL 109

11+97.27

END AREAS (SQ. FT.)
CUT 187
FILL 120

10+88.46

END AREAS (SQ. FT.)
CUT 187
FILL 101

X-SECTIONS HAVE NOT BEEN ALTERED TO REFLECT RECORD CONDITIONS

GREINER ENGINEERING 2601 WYOMING BLVD., N.E. ALBUQUERQUE, NEW MEXICO 87112					
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY					
TITLE: SOUTH DOMINGO BACA CHANNEL CHANNEL CROSS SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
AMAFCA			Traffic		
A.C.E.-Hydrology			Water		
DWG. No. 2715			SHEET 10 OF 11		

PLANS PREPARED
UNDER THE DIRECTION
OF

APPROVED FOR
CONSTRUCTION

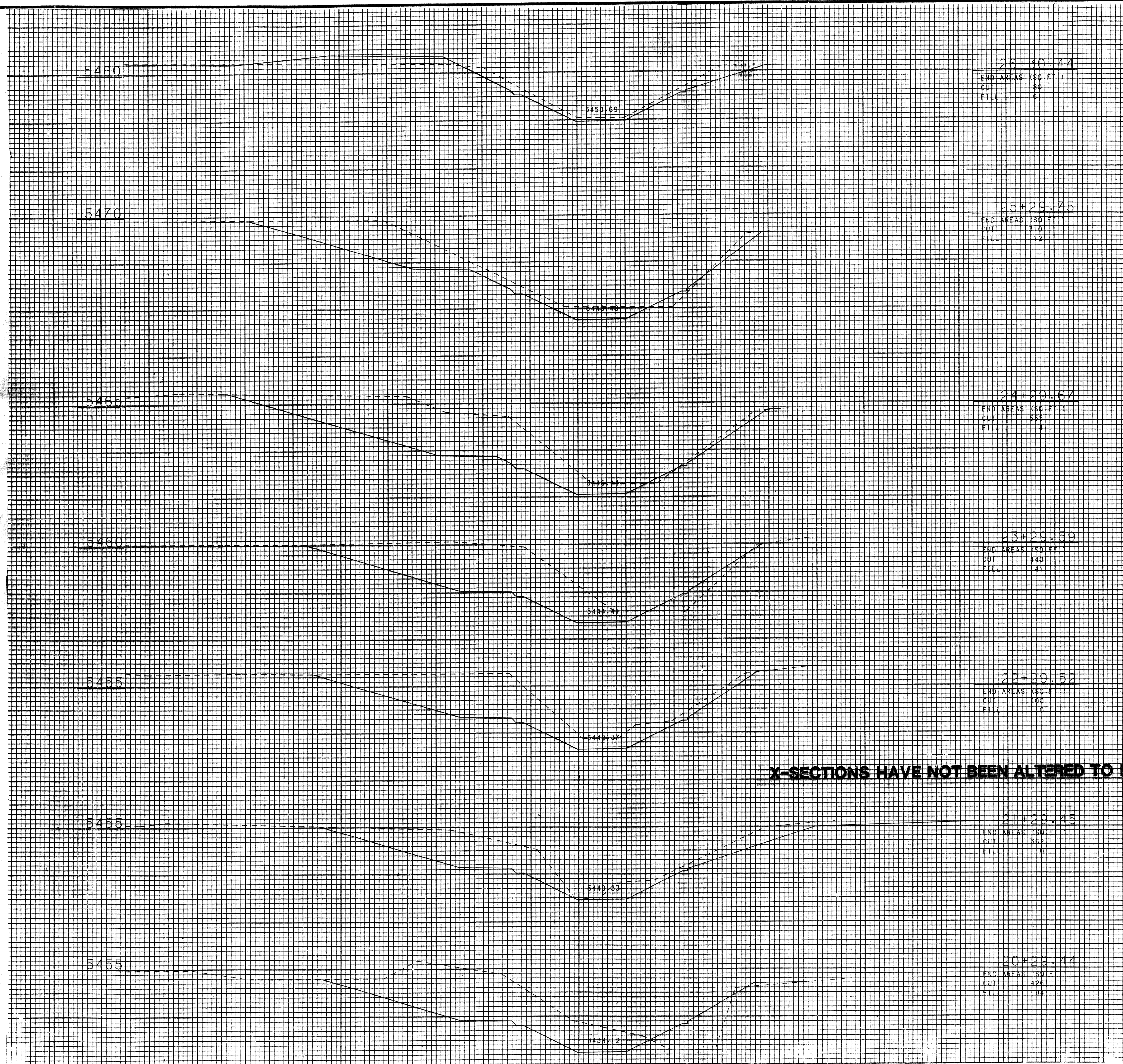
DATE

2715

2715

2715

REFERENCES		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
MAP NO.	D-19	FIELD NOTES	NO.	BY	DATE	CONTRACTOR	BENDER CONSTR.
EST. NO.	WO. NO.		1659	J. Freerks	9-84	WORK	12/85-
			1726	J. Ayers	12-85	SKETCHED BY	DATE 6/86
			1727	J. Ayers	12-85	ACCEPTANCE BY	DATE
NO.	DATE	REMARKS	BY			VERIFICATION BY	DATE 6/86
		DESIGN				DRAWINGS	DATE 1/20/87
						CORRECTIONS BY	DATE
						MICRO-FILM	INFORMATION
						RECORDED BY	DATE
						NO.	



X-SECTIONS HAVE NOT BEEN ALTERED TO REFLECT RECORD CONDITIONS

REFERENCES			SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
MAP NO.	EST. NO.	WO. NO.	NO.	BY	DATE	CONTRACTOR	BENDER	
D-19			1659	J. Frecks	9-84	GREINER	12/85	
			1726	J. Ayers	12-85	"	DATE 6/86	
			1727	J. Ayers	12-85	"	DATE 6/86	
						"	DATE 1/20/87	
REVISIONS			DESIGN		MICRO-FILM INFORMATION			
NO.	DATE	BY	DESIGNED BY R.B.		RECORDED BY			
			DATE 11/13/85		DATE			
			DRAWN BY L.A.		NO.			
			CHECKED BY J.H.		DATE			

1 2 3 4 5 6 7 8 9 10 11 12

26 27 15 1 18 7

PLANS PREPARED UNDER THE DIRECTION OF

APPROVED FOR CONSTRUCTION

DATE

GREINER ENGINEERING

2601 WYOMING BLVD., N.E.

ALBUQUERQUE, NEW MEXICO 87112

ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY

TITLE: SOUTH DOMINGO BACA CHANNEL

CHANNEL CROSS SECTIONS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
AMAFCA			Traffic		
A.C.E.-Hydrology			Water		

DRWG. No. 2715

SHEET 11 OF 11

RECORD DRAWING