

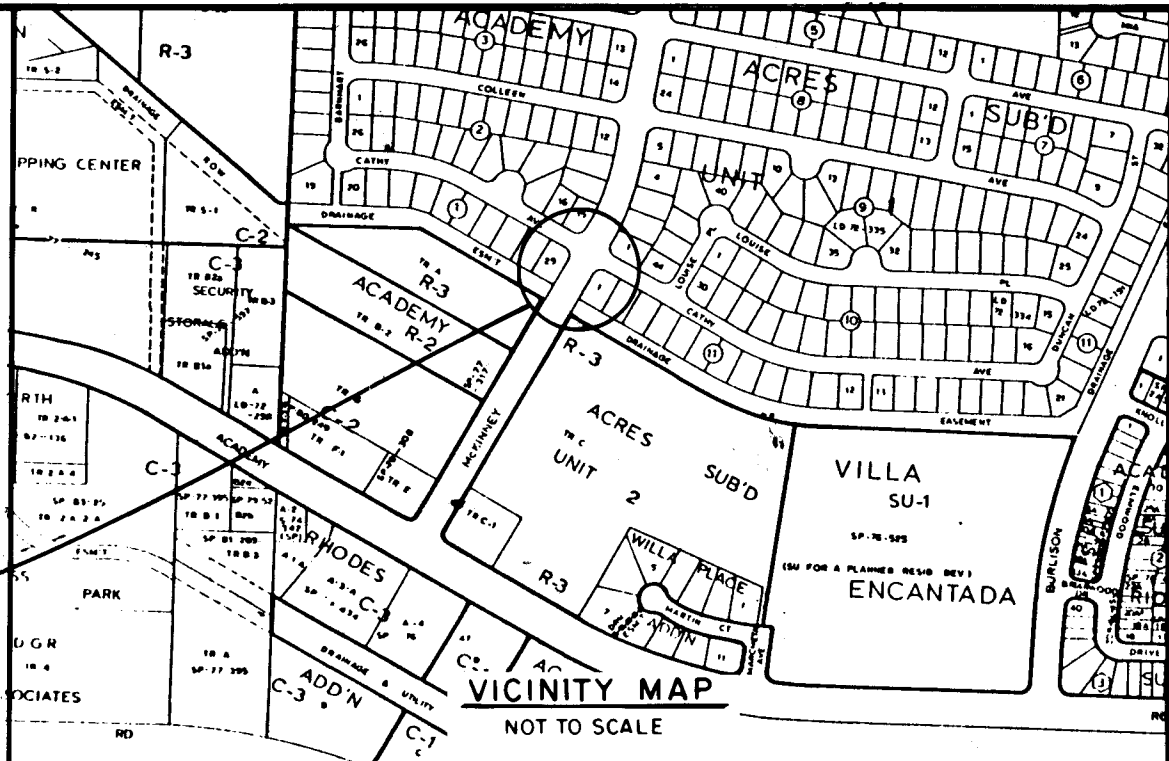
FAR NORTH DRAINAGE CHANNEL IMPROVEMENTS

CROSSING STRUCTURE AT MCKINNEY DR.

INDEX OF DRAWINGS

SHEET NO.	DESCRIPTION
1	TITLE, INDEX, GENERAL NOTES & LOCATION MAP
2-3	PLAN & PROFILE
4	CROSS SECTIONS
5	ROADWAY TYPICAL SECTIONS
6-8	TRAPEZOIDAL BOX AND PARAPET WALLS
9	RCP STUB OUT DETAIL
10	BRIDGE RAIL DETAILS
11	CHANNEL SECTION AND DETAILS
12	TRAFFIC CONTROL PLAN

LOCATION



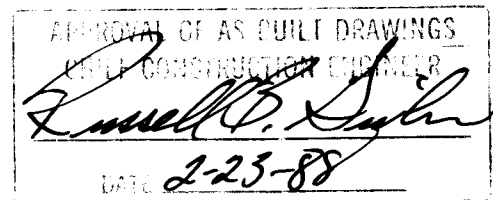
GENERAL NOTES

NOTICE TO CONTRACTORS

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS PUBLIC WORKS CONSTRUCTION, 1985 EDITION.
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, 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 A MINIMUM AMOUNT OF DELAY.

THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED

- ☐ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING
- ☐ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE
- ☐ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE CITY ENGINEER
- ☐ SIDEWALKS AND WHEELCHAIR RAMP WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED
- ☐ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER
- ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE
- ☐ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR

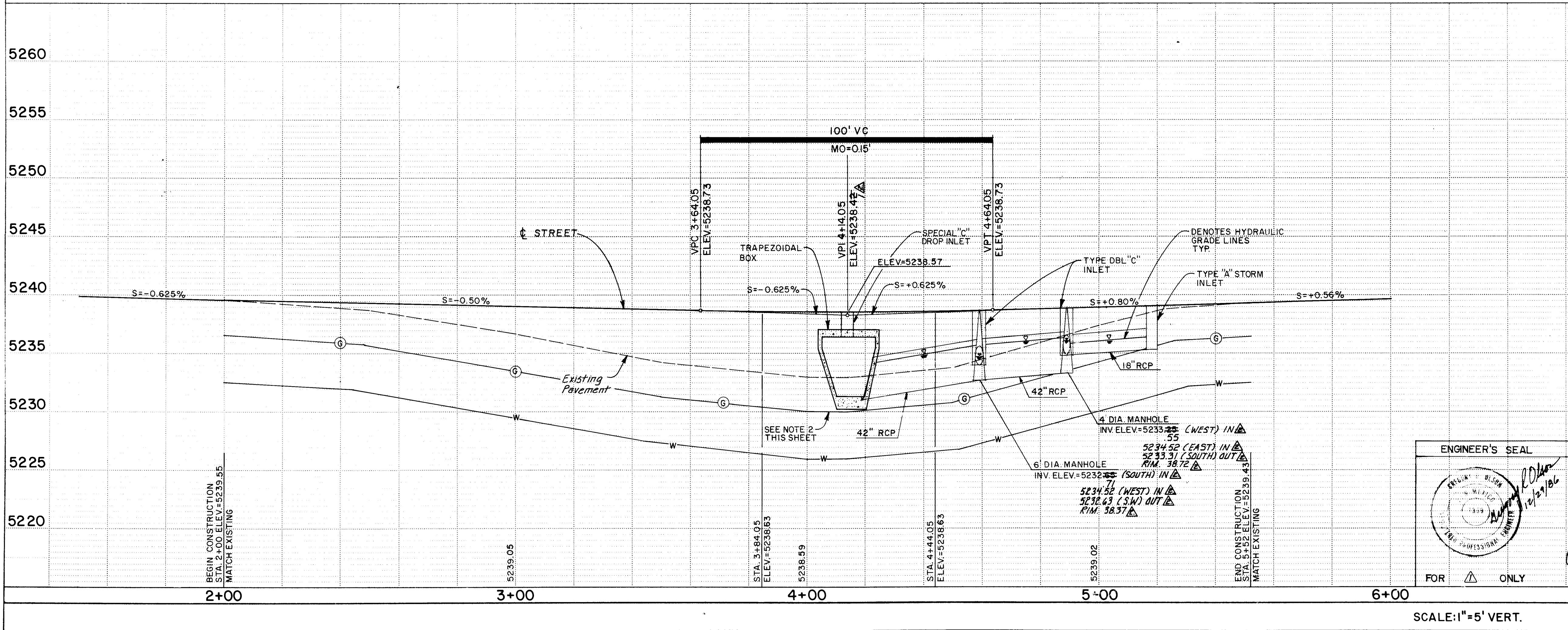
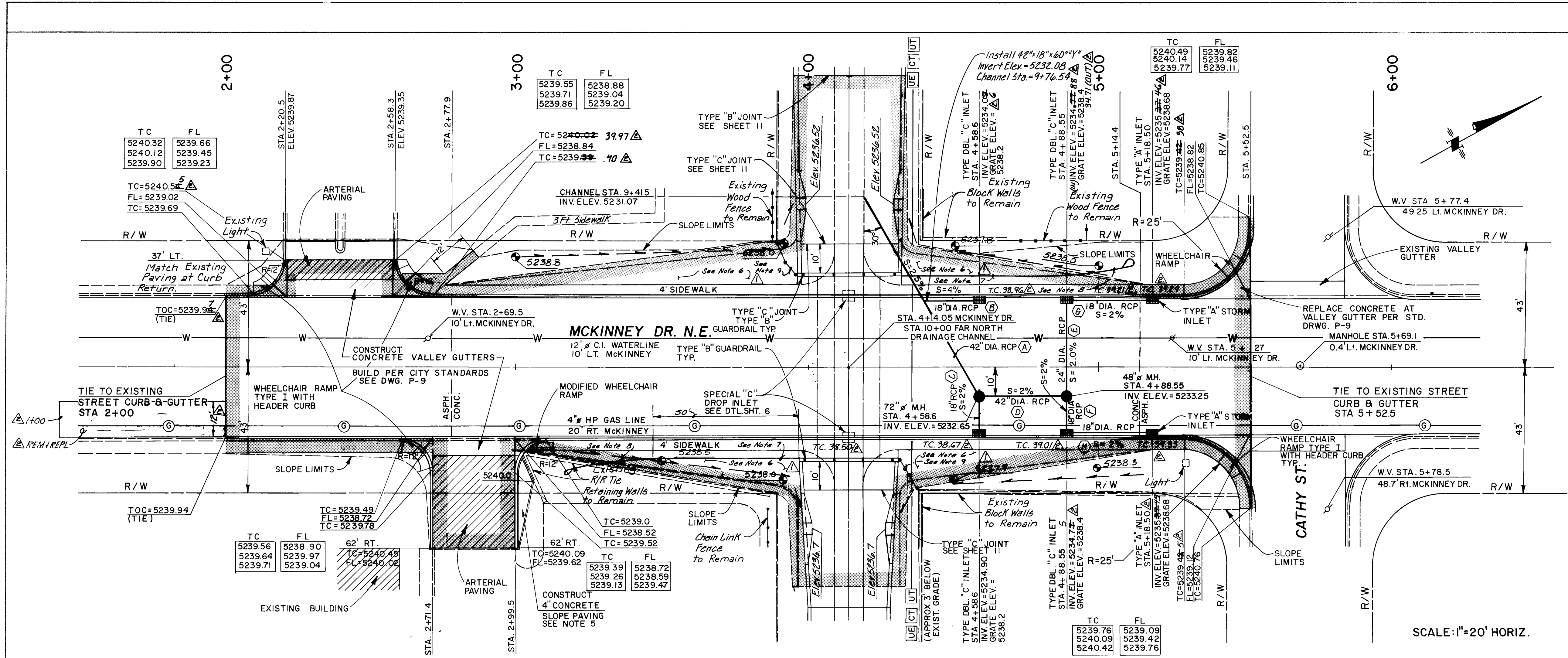


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REV	SHEETS	CITY ENGINEER	DATE	USER	DEPT	DATE	USER	DEPT	DATE
1	2 OF 12	[Signature]	12/86						

APPROVAL OF REVISIONS

PROJECT NUMBER 3023	 BOHANNAN - HUSTON INC. ALBUQUERQUE - SANTA FE - EL PASO ENGINEERS PLANNERS PHOTOGRAMMETRISTS	APPROVED FOR CONSTRUCTION [Signature] 2/3/86 C.E.
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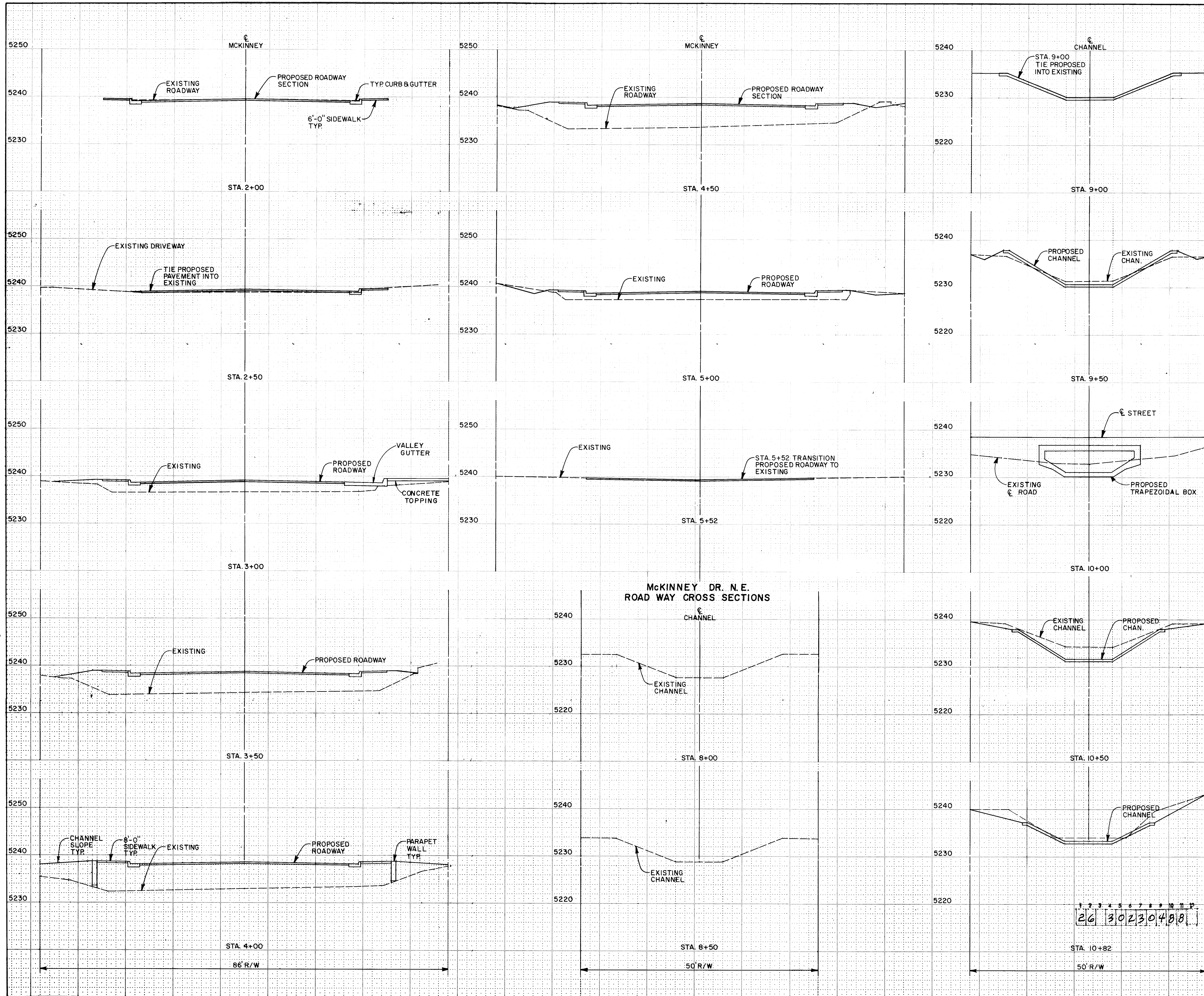
- Notes:
1. Shaded Area Indicates Removal Of Existing.
 2. Field Verify Location of All Utilities Shown.
 3. Storm Sewer Flow Data (Open Channel Flow, d=Depth Of Flow.)
 - A,D. $Q_{102}=140$ CFS
 $V=16.3$ FPS
 $d=36$ inches
 - B. $Q_{10}=8$ CFS
 $V=9.9$ FPS
 $d=9$ inches
 - C. $Q_{102}=8$ CFS
 $V=7.6$ FPS
 $d=9.5$ inches
 - E. $Q_{10}=21$ CFS
 $V=9.7$ FPS
 $d=16$ inches
 - F. $Q_{10}=21$ CFS
 $V=9.7$ FPS
 $d=16$ inches
 - G,H. $Q_{10}=10$ CFS
 $V=8$ FPS
 $d=12$ inches
 - Channel
 $Q_{100}=350$ CFS
 $V=13.3$ FPS
 $d=2.0$ Ft
 4. All R.C.P. Shall be Class IV.
 5. Place 4" Concrete Slab on Compacted Sub Grade. Reinforced w/6" Wire Mesh. Use 3000 psi Fly Ash Concrete.
 6. Remove Existing Concrete
 7. Construct 50' Of W-Beam Guardrail 30'-6" Off E. W/ Terminal Connection To Bridge Rail.
 8. Construct Standard Type "C" Guardrail End Anchor W/ 4' Offset.
 9. Install 3'-6" High Chain Link Fence. Set Post At Bridge Within 3" Of End Of Bridge Rail. Tack Weld Fabric At Least 3 Places To Each Post And Top Rail.

- Channel
- $Q_{100}=350$ CFS
 $V=13.3$ FPS
 $d=2.0$ Ft

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CITY OF ALBUQUERQUE FAR NORTH DRAINAGE CHANNEL IMPROVEMENTS	
TITLE: ROADWAY PLAN & PROFILE	
APPROVALS	ENGINEER DATE
City Engineer	10/3/86
ACE-Design	10/3/86
ACE-Hydrology	10/3/86
APPROVALS	ENGINEER DATE
Liquid Waste	10/3/86
Traffic	10/3/86
Water	10/3/86
DRAWING NO.	3023
MAP NO.	E-18-Z
SHEET	2
OF	12

AS BUILT INFORMATION	
WORK AREA	MCC
CITY	ALBUQUERQUE
PROJECT NO.	10/3/86
DATE	10/3/86
DESIGNED BY	DMB
CHECKED BY	DMB
DATE	8/85
DATE	8/85
DATE	8/85
BENCH MARKS	
TO REACH THE STATION FROM THE INTERCHANGE	AT I-25 & SAN MATEO BLVD N.E. GO SOUTH ON SAN MATEO 0.2 MILES TO ACADEMY RD. TURN LEFT, GO EAST ON ACADEMY 0.5 MILES TO THE STATION ON THE WALL.
SURVEY INFORMATION	
FIELD NOTES	NO. 1
DATE	9/85
BY	TK, DW, KU
ENGINEER'S SEAL	
EN	GR
BY	REVISIONS
NO.	DATE
DESIGNED BY	DMB
DRAWN BY	RL
CHECKED BY	DMB
DATE	8/85
DATE	8/85
DATE	8/85

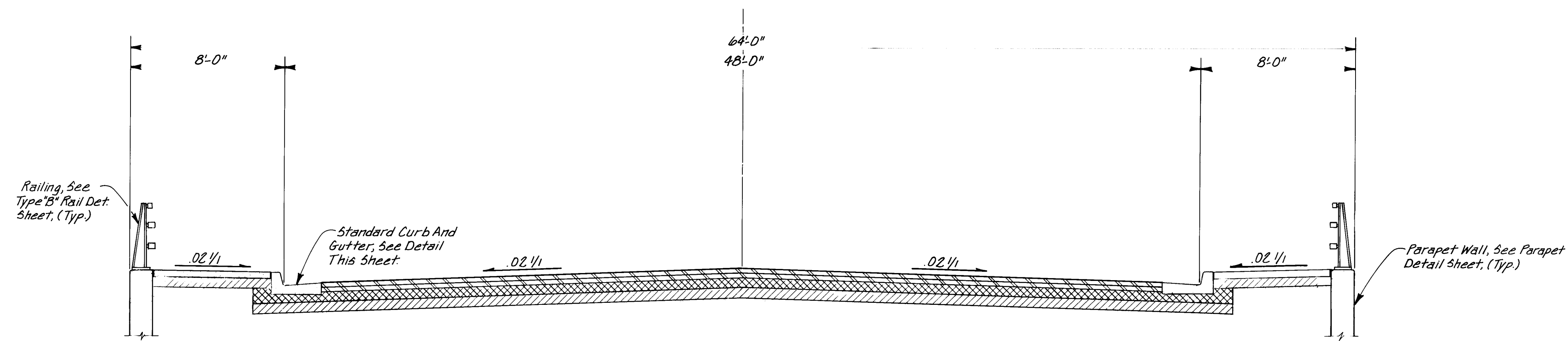


AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE		REMARKS
STAINED BY	DATE	BY	DATE	BY	DATE		NO. DATE
INSPECTOR'S FIELD NO.	DATE	NO.	DATE	NO.	DATE		REVISIONS
FIELD NO.	DATE	NO.	DATE	NO.	DATE		DESIGN
MICRO-FILM INFORMATION		RECORDED BY		DESIGNED BY DMB		DATE 8/85	
DATE		NO.		DRAWN BY RL		DATE 8/85	
DATE		NO.		CHECKED BY DMB		DATE 8/85	

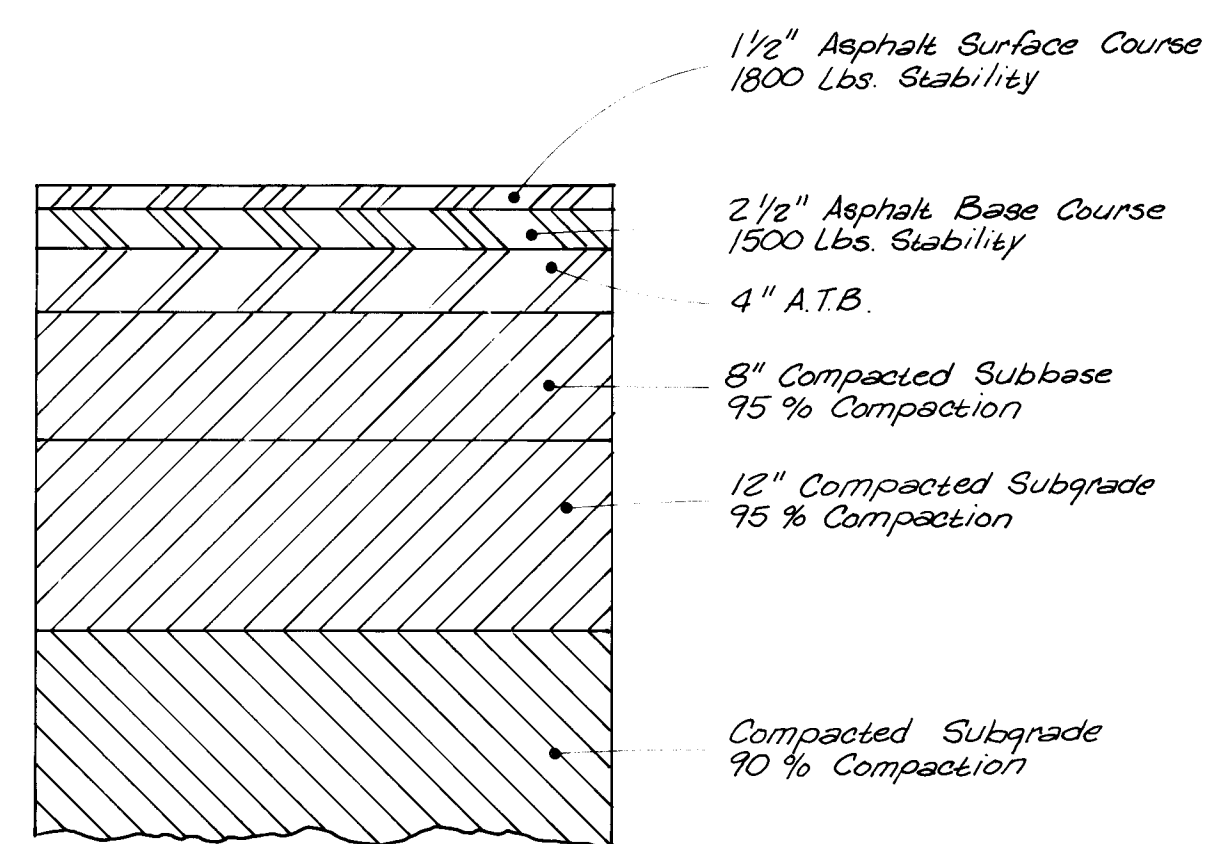
SCALE: 1"=10' HORIZ.
1"=10' VERT.

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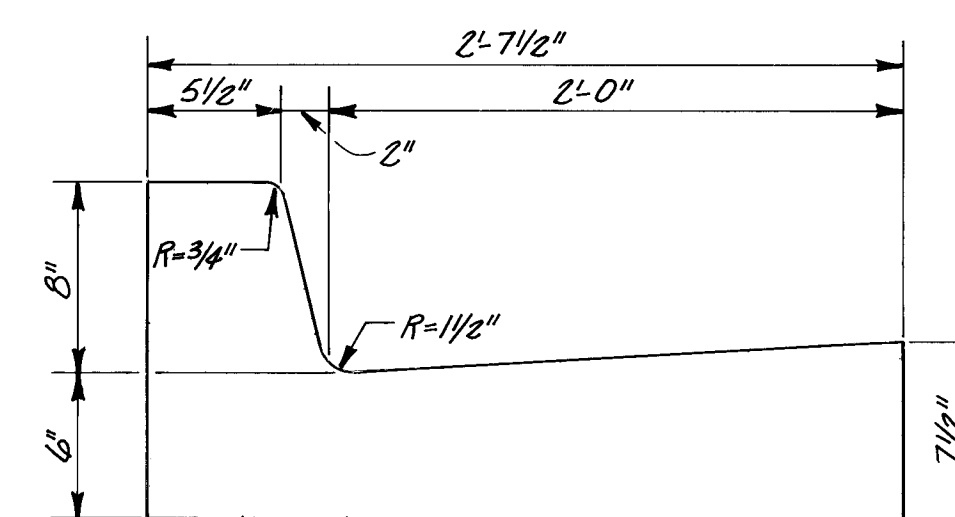
CITY OF ALBUQUERQUE FAR NORTH DRAINAGE CHANNEL IMPROVEMENTS			
TITLE: MCKINNEY ST. & FAR NORTH DRAINAGE CHANNEL CROSS SECTIONS			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>[Signature]</i>	10/3/86	Liquid Waste
A.C.E. Design	<i>[Signature]</i>	10/3/86	Traffic
A.C.E. Hydrology	<i>[Signature]</i>	10/3/86	Water
DRAWING NO. 3023		SHEET 4 OF 12	



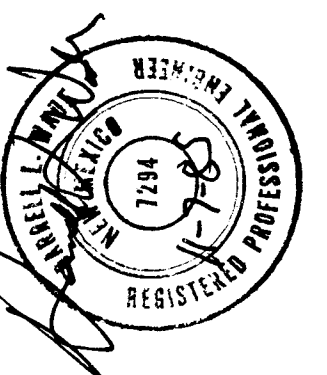
TYPICAL COLLECTOR STREET SECTION
NO SCALE



PAVING SECTION DETAIL



STANDARD CURB & GUTTER

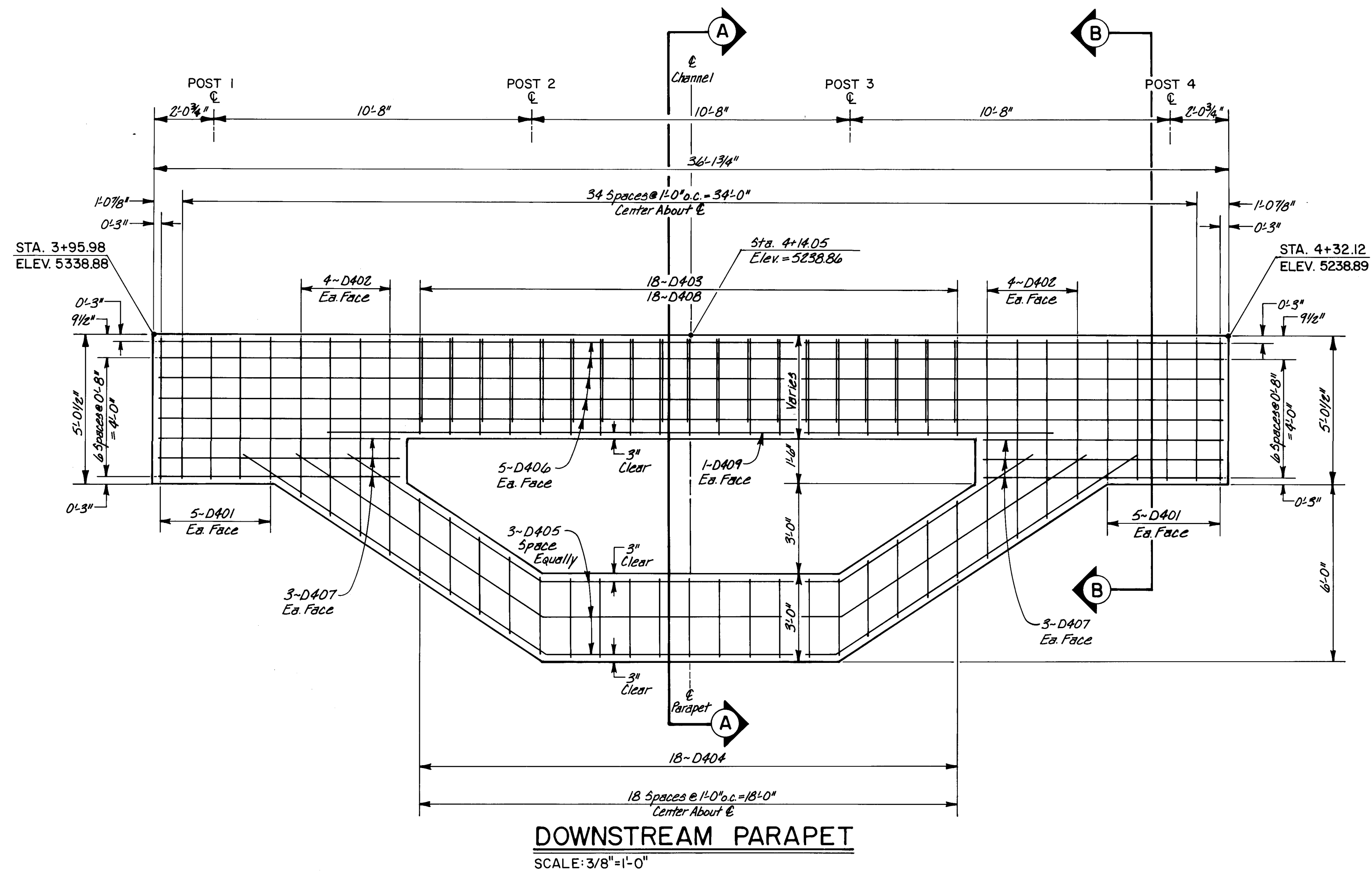
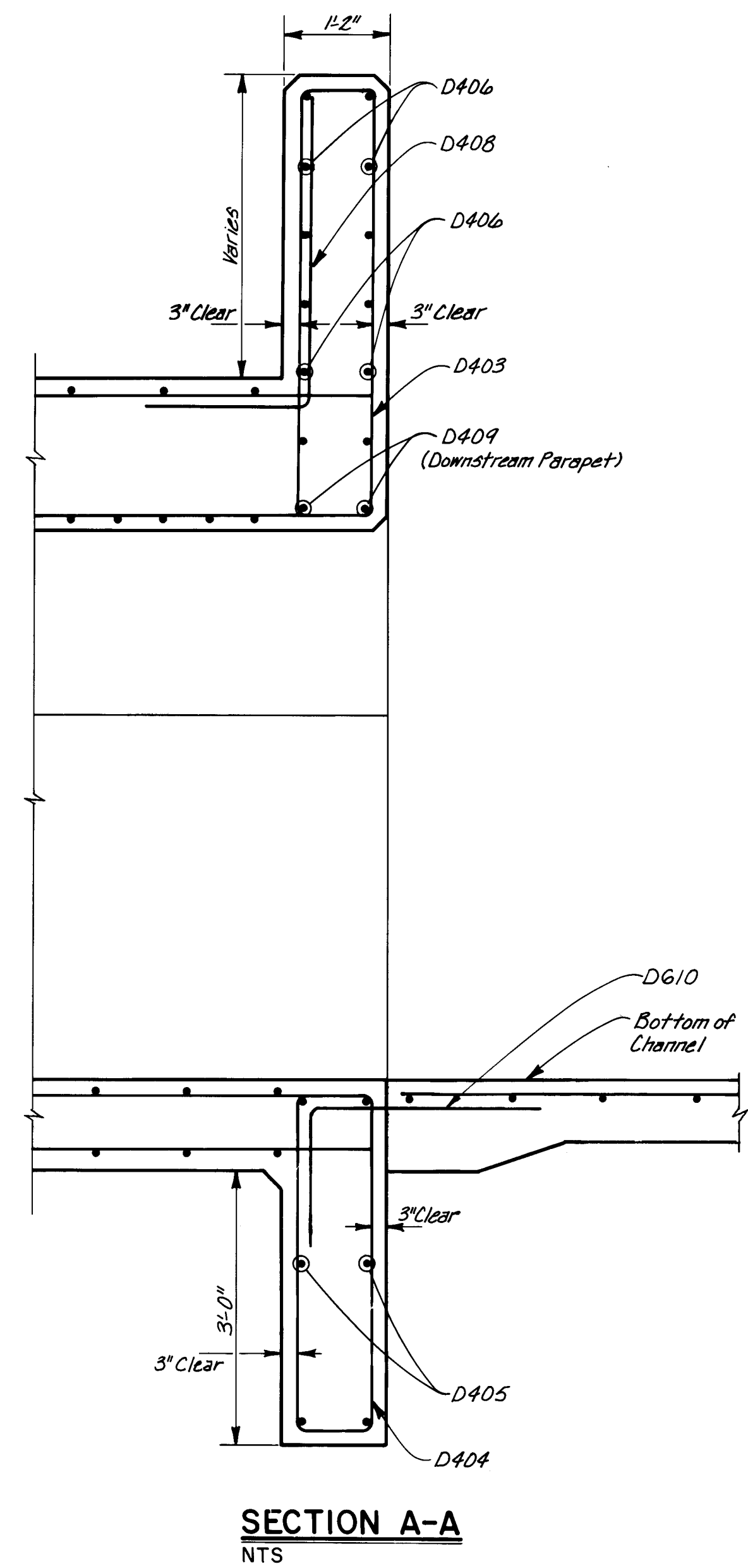
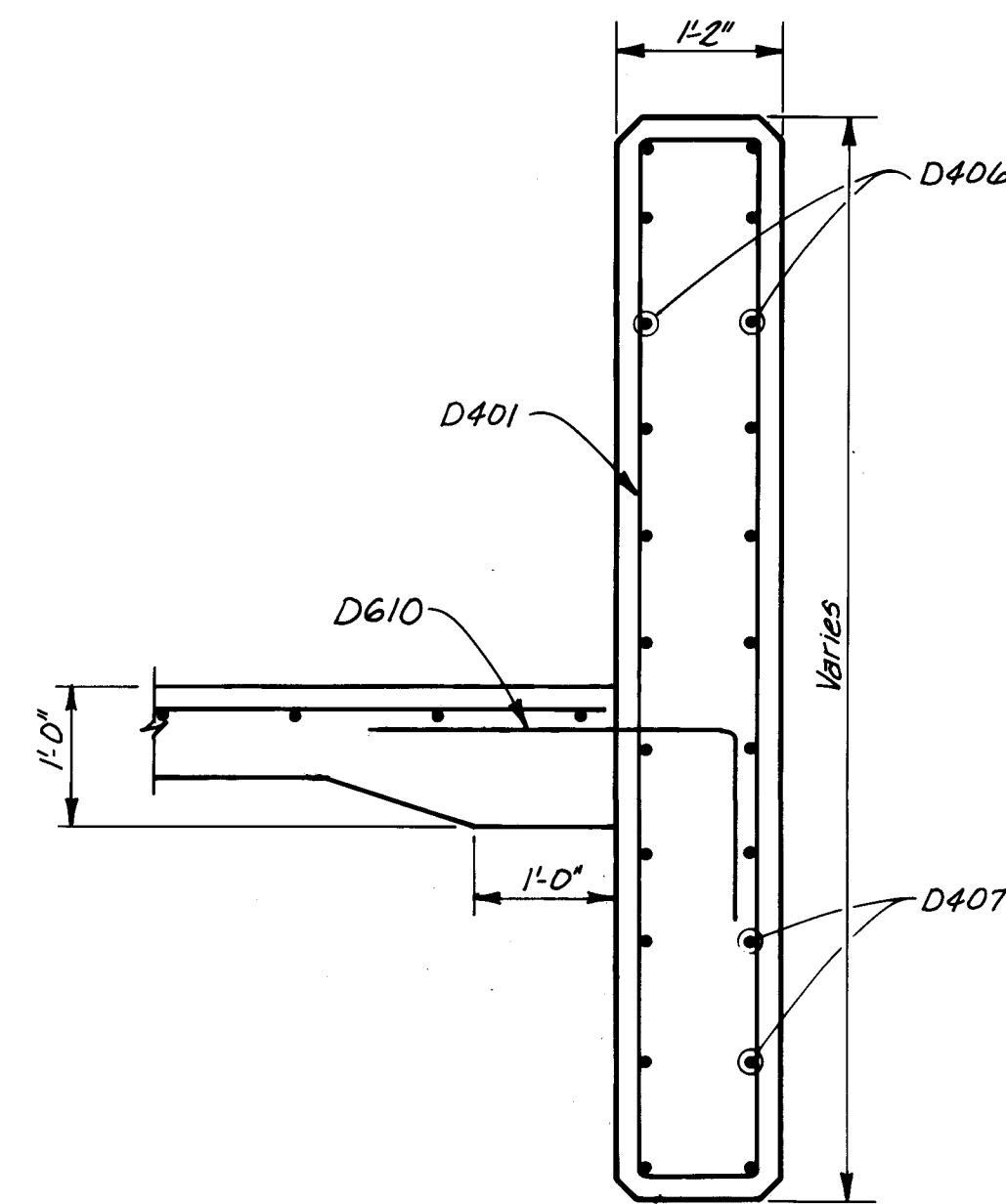
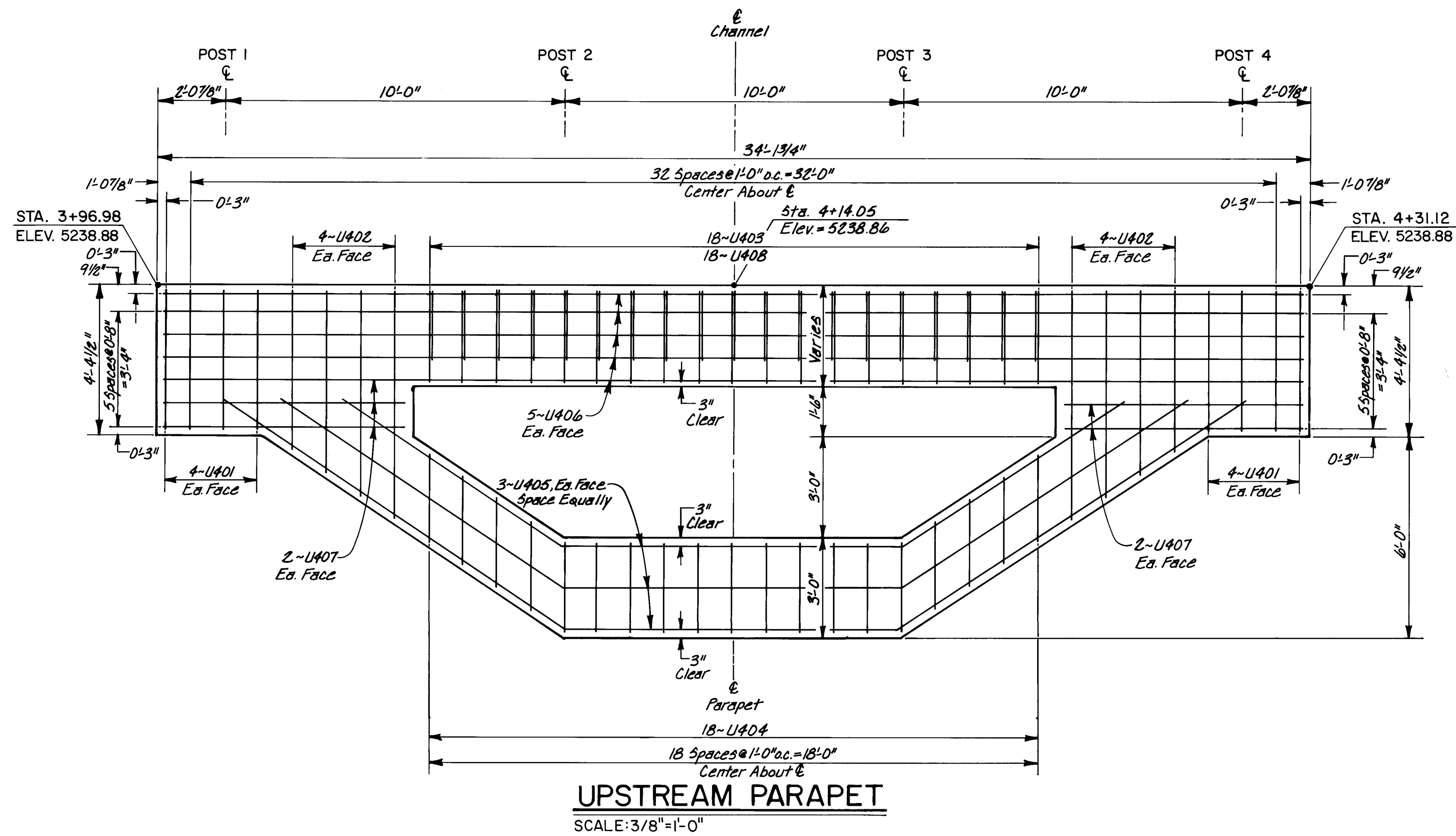


8/85
8/85
8/85
DMB
RL
DMB

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FAR NORTH DRAINAGE
CHANNEL IMPROVEMENTS
ROADWAY
TYPICAL SECTION

DRAWING NO. 3023 MAP NO. E-18-Z SHEET 5 12



AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY
INSPECTOR'S	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY
FIELD	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY
VERIFICATION	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY
CHECKED BY	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY
RECORDED BY	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY
NO.	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY	NO.	DATE	NO.	BY

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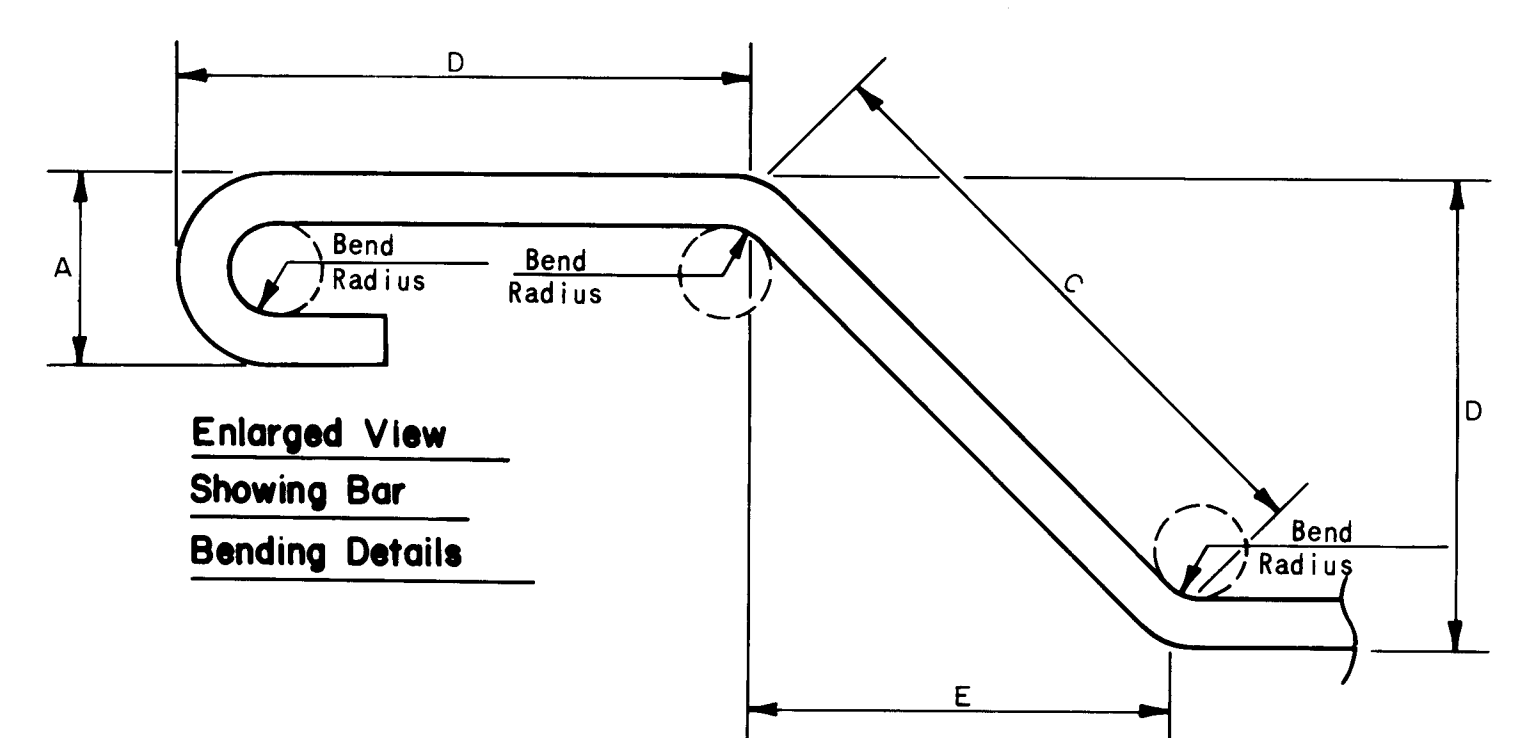
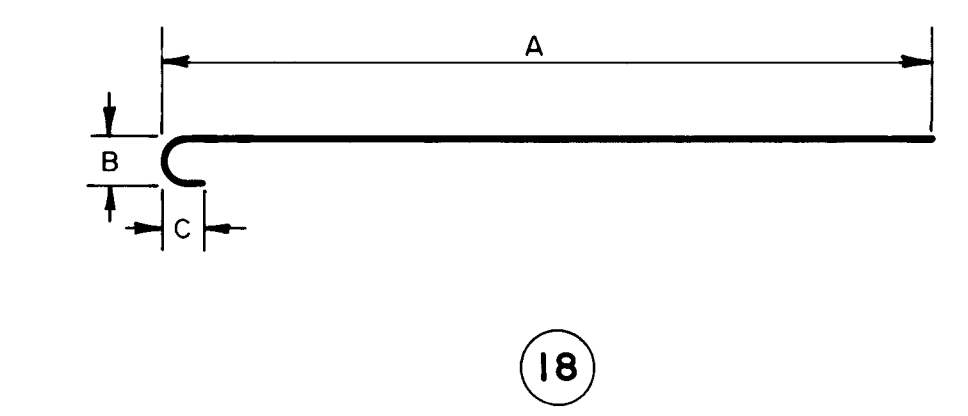
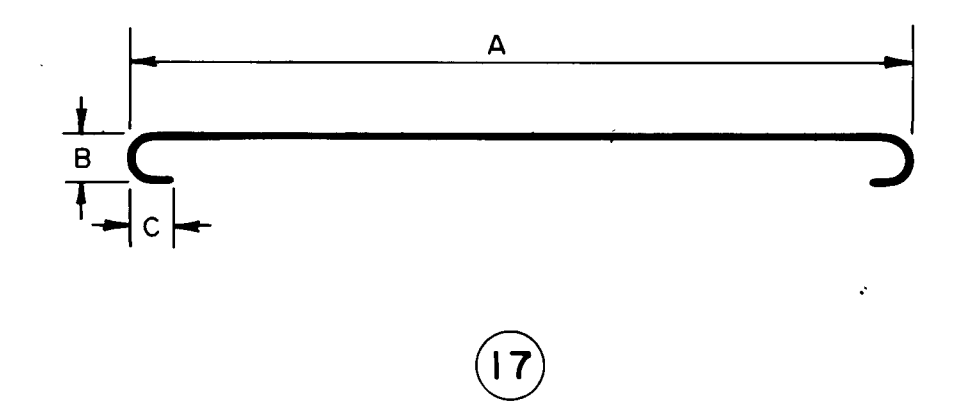
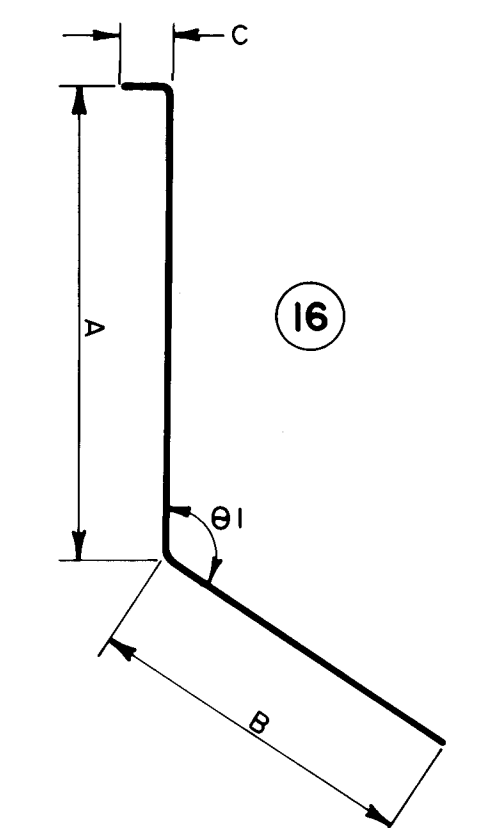
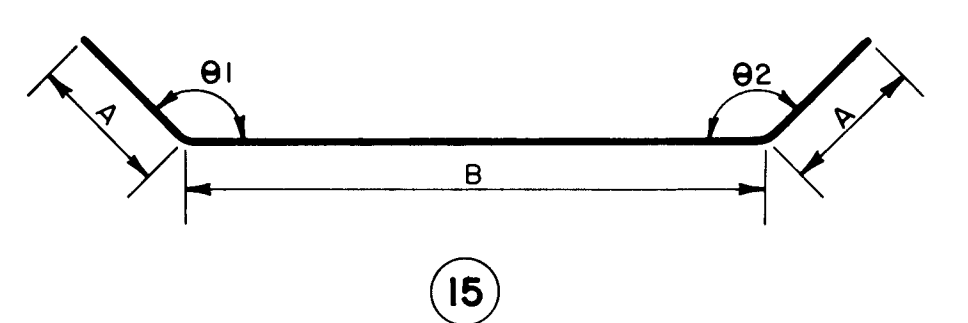
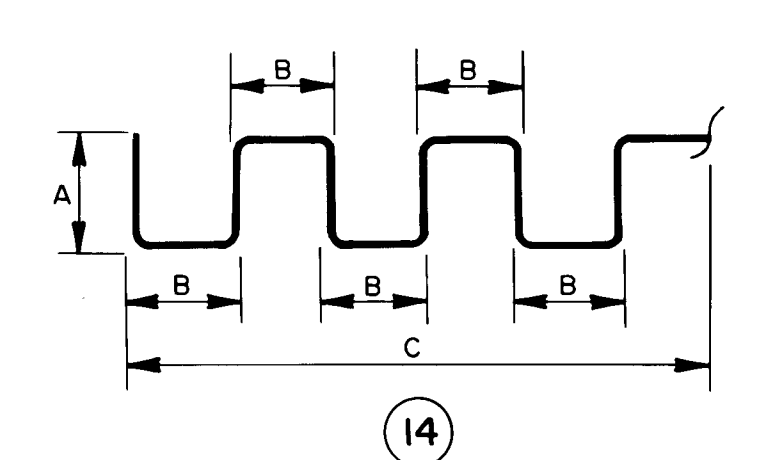
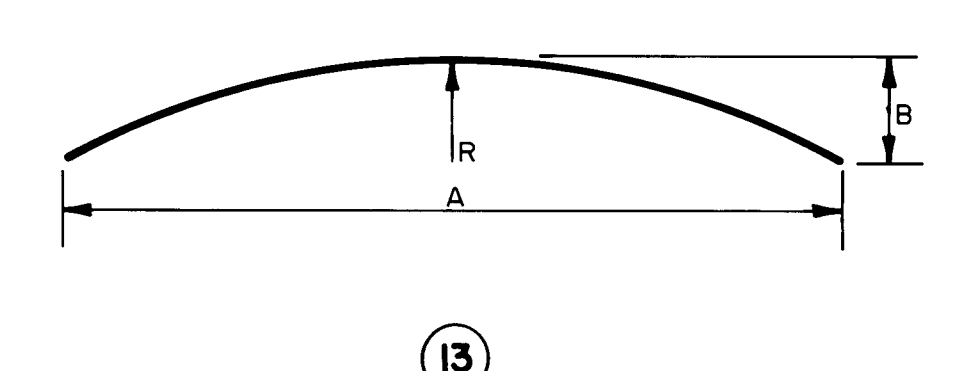
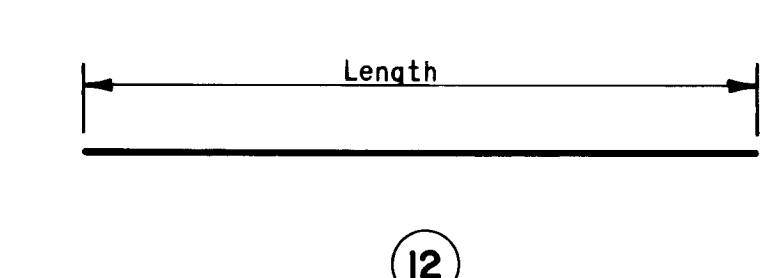
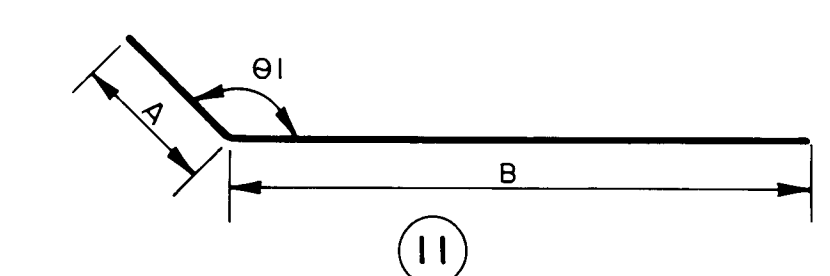
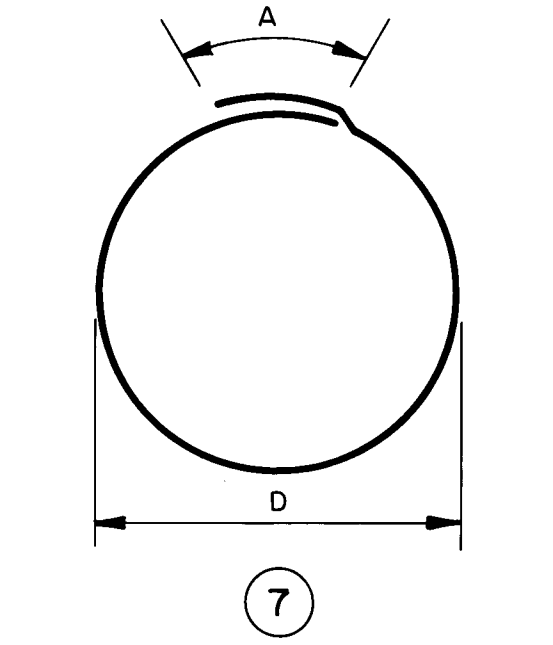
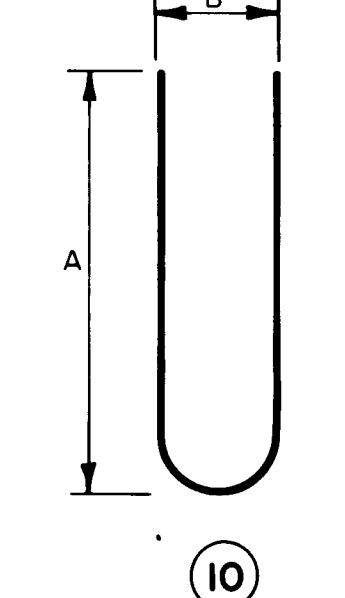
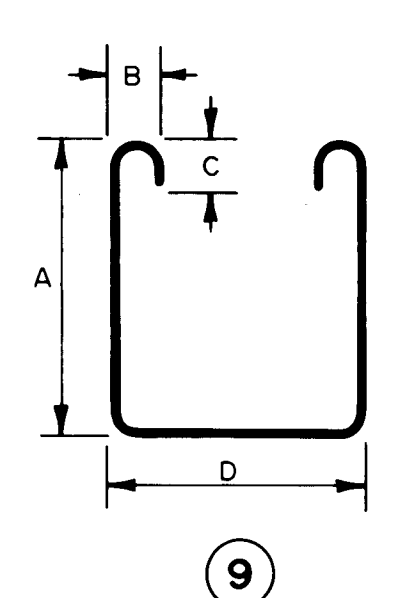
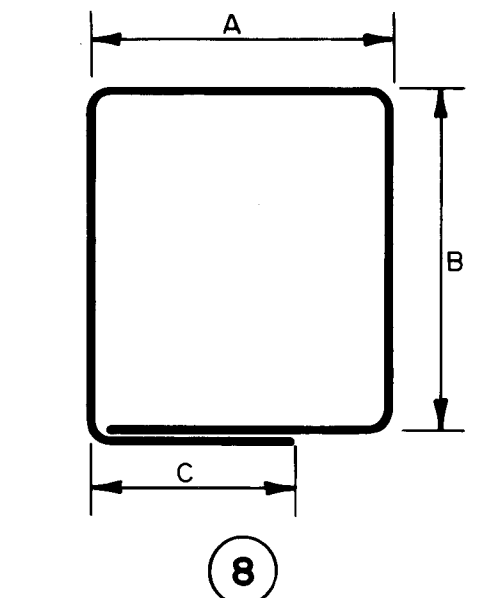
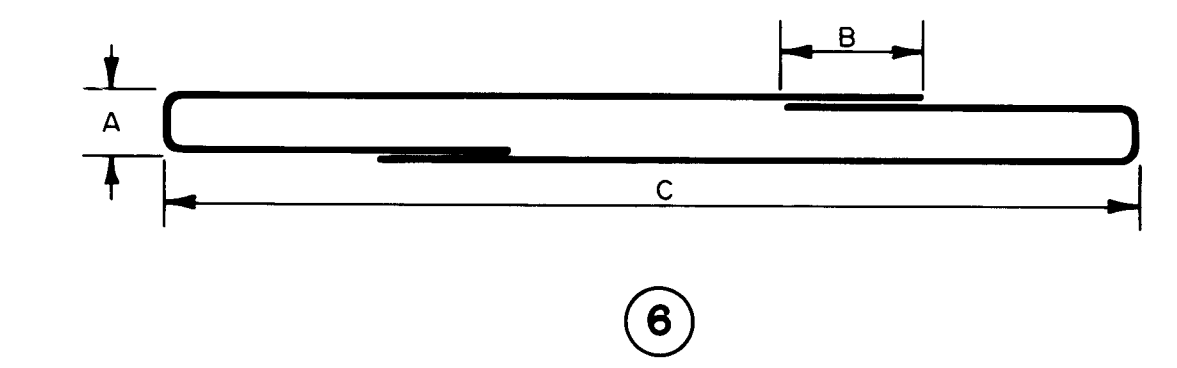
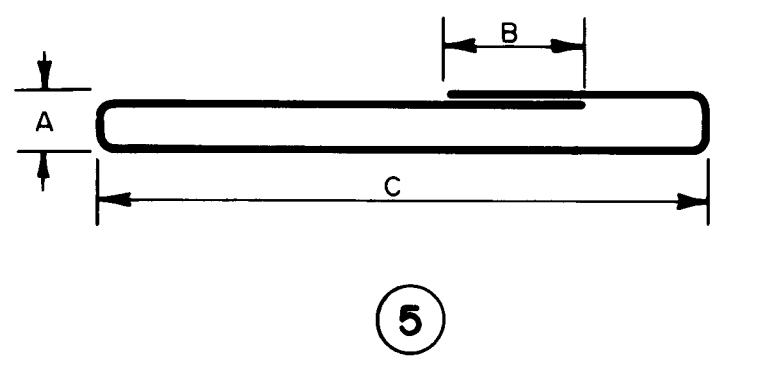
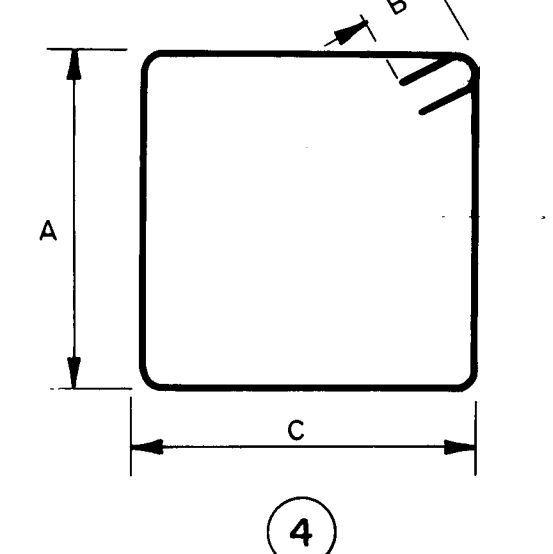
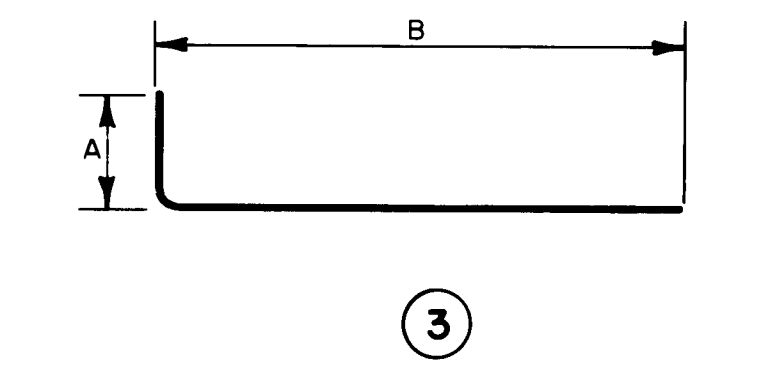
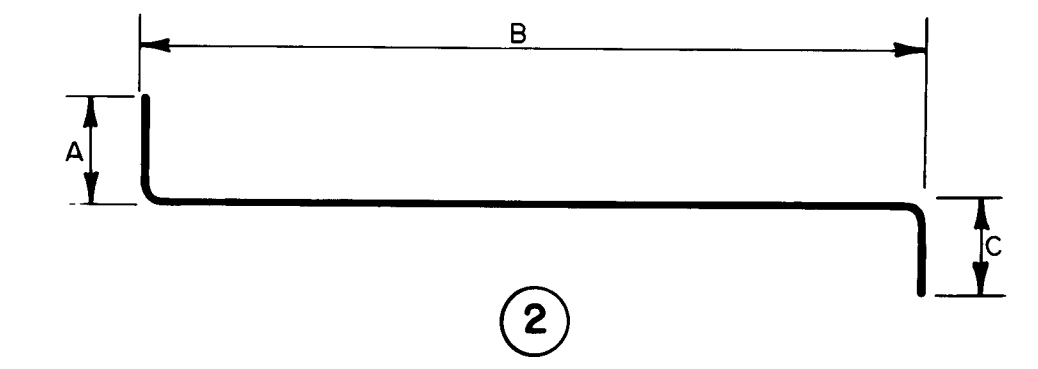
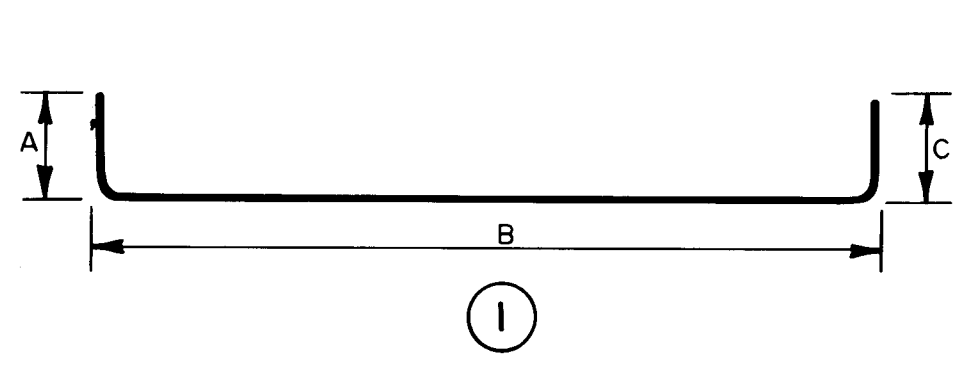
CITY OF ALBUQUERQUE FAR NORTH DRAINAGE CHANNEL IMPROVEMENTS					
TITLE: PARAPET DETAILS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	John H. H.	10/3/86	Liquid Waste	N/A W/W	10/3/86
A.C.E. - Design	" "	" "	Traffic	N/A D/H	10/3/86
ACE - Hydrology	Don Hagan	10/3/86	Water	N/A W/W	10/3/86
DRAWING NO.	3023	MAP NO.	E-18-Z	SHEET	OF 12

PLAN

DATE	BY
SURVEYED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
NO.	

PROFILE

DATE	BY
SURVEYED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHK'D	
NO.	



"A" Dimensions On 180° Hooks To Be Shown Only Where Necessary To Restrict Hook Size, Otherwise Standard Hooks Are To Be Used. Where "A" Is Not Shown, "A" Will Be Kept Equal To Or Less Than "D". Where "A" Can Exceed "D", It Should Be Shown.

"D" Dimensions On Stirrups To Be Shown Where Necessary To Fit Within Concrete.

Where Slope Differs From 45° Dimensions "D" And "E" Must Be Shown.

NO. OF BARS	SIZE	LENGTH		MARK	TYPE	LENGTH VARIES	FROM	TO	A	B	C	D	θ		R
		FT.	IN.										1	2	
22	4	63	6	A1	12										
22	6	63	6	A2	12										
54	4	63	6	B1	12										
128	6	13	9	F1	15				1'-0"	1'-9"			147	147	
128	4	12	5	F2	15				1'-0"	10'-5"			147	147	
156	5	4	10	51	16				3'-0"	1'-0"	0'-10"		123		
312	5	8	7	52	4				2'-3"	6'-4"			123		
156	9	6	5	54	15				1'-0"	7'-6"			123	147	
61	4	21	0	T1	12										
123	8	21	0	T2	12										
12	4	8	9	T3	12										
24	8	8	9	T4	12										
32	6	8	0	T5	12										
16	8	12	0	T6	12										
8	4	6	4	U401	5				8"	1'-3"	3'-10 1/2"				
8	4			U402	12	Varies	4'-6 1/2"	7'-2 1/2"							
18	4	6	6 1/2	U403	5				8"	1'-3"	2'-3 1/4"				
18	4	7	0	U404	5				8"	1'-3"	2'-6"				
3	4			U405	15	Varies	24'-4"	33'-5"	Varies 7'-2 1/2" to 9'-4 1/2"	10'-0"					
10	4	33	7 3/4	U406	12										
8	4	7	1	U407	12										
18	4	3	0 1/2	U408	3				1'-4"	1'-8 1/2"					
36	6	4	0	U610	3				1'-6"	2'-6"					
10	4	11	8	D401	5				8"	1'-3"	4'-6 1/2"				
8	4			D402	12	Varies	5'-2 1/2"	7'-10 1/2"							
18	4	8	1	D403	5				8"	1'-3"	3'-0 1/2"				
18	4	7	0	D404	5				8"	1'-3"	2'-6"				
3	4			D405	15	Varies	24'-4"	33'-5"	Varies 7'-2 1/2" to 9'-4 1/2"	10'-0"					
10	4	35	7 3/4	D406	12										
12	4	8	0 7/8	D407	12										
18	4	3	8 1/2	D408	3				1'-4"	2'-4 1/2"					
2	4	21	8	D409	12				1'-6"	2'-6"					
36	6	4	0	D610	3										
8	4	4	4 1/2	Z1	2				1'-0"	2'-4 1/2"	1'-0" (Upstream)				
8	4	4	10 1/2	Z1A	2				1'-0"	2'-10 1/2"	1'-0" (Downstream)				
8	4	4	6 1/2	Z2	1				1'-5"	1'-8 1/2"	1'-5" (Upstream)				
8	4	5	1/2	Z2A	1				1'-5"	2'-2 1/2"	1'-5" (Downstream)				
8	4	3	0	Z3	3				1'-0"	2'-0" (Upstream)					
8	4	3	6	Z3A	3				1'-0"	2'-6" (Downstream)					
2	4	14	4	Z4	8										
2	4	7	0	Z5	12										

GENERAL NOTES

1. All Dimensions Are Out To Out Of Bar.

2. Bending Radius For All Bends Shall Be As Shown Below.

BAR SIZE

#3 Thru #8 3 Bar Diameters

#9 Thru #11 4 Bar Diameters

#14 Thru #18 5 Bar Diameters

BEND RADIUS

3 Bar Diameters

4 Bar Diameters

5 Bar Diameters

3. Figures In Circle Show Type.

4. The Contractor Is Responsible For Confirming And Correlating All Quantities And Dimensions.

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CITY OF ALBUQUERQUE
FAR NORTH DRAINAGE
CHANNEL IMPROVEMENTS

TITLE: TRAPEZOIDAL BOX & PARAPETS
BAR SCHEDULE AND BENDING DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	10/2/85	Liquid Waste	N/A W/W	10/3/85
A.C.E.-Design			Traffic	N/A DPH	10/3/85
A.C.E.-Hydrology	<i>[Signature]</i>	9/2/85	Water	N/A W/W	10/3/85

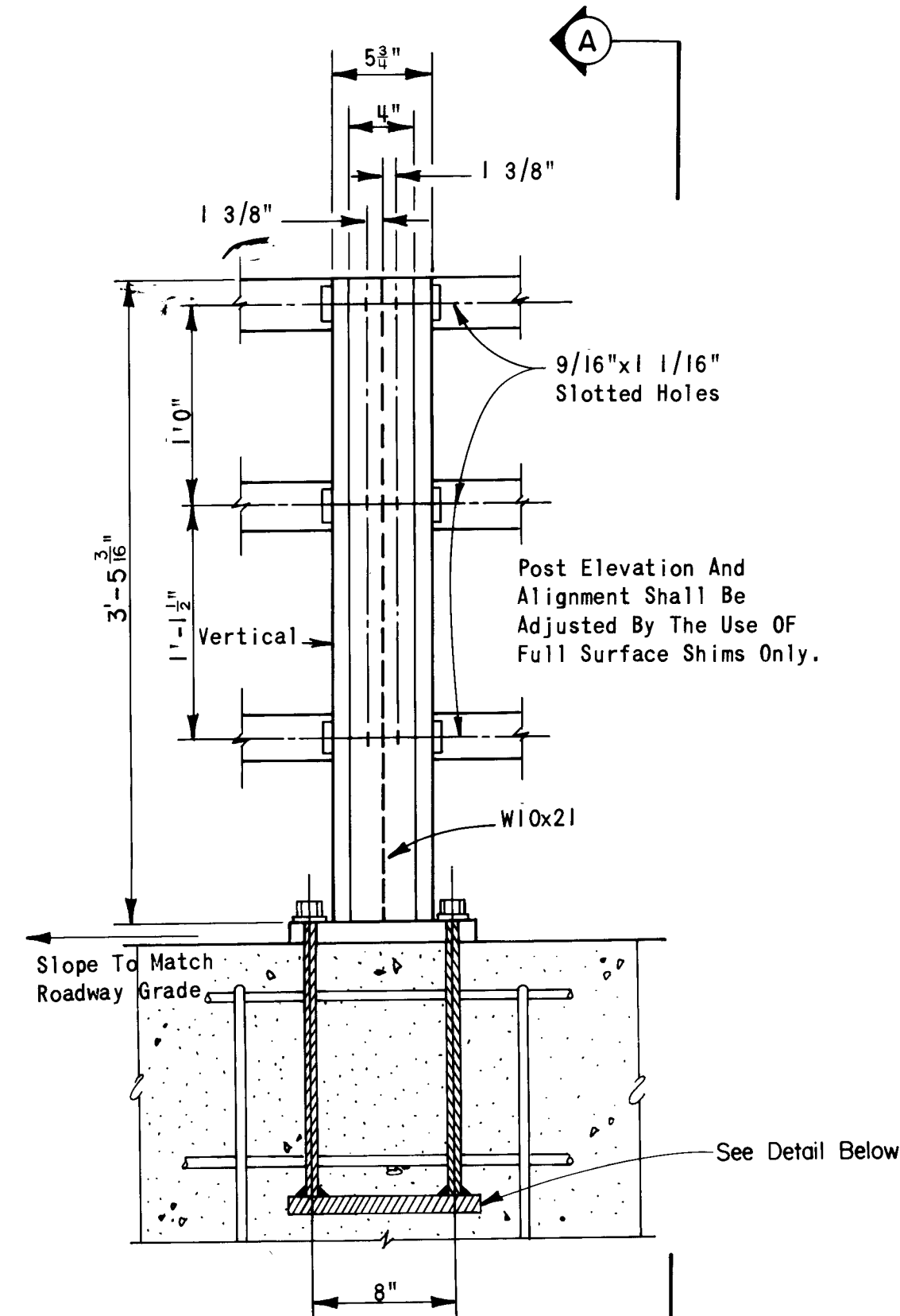
DRAWING NO. 3023

MAP NO. E-18-Z

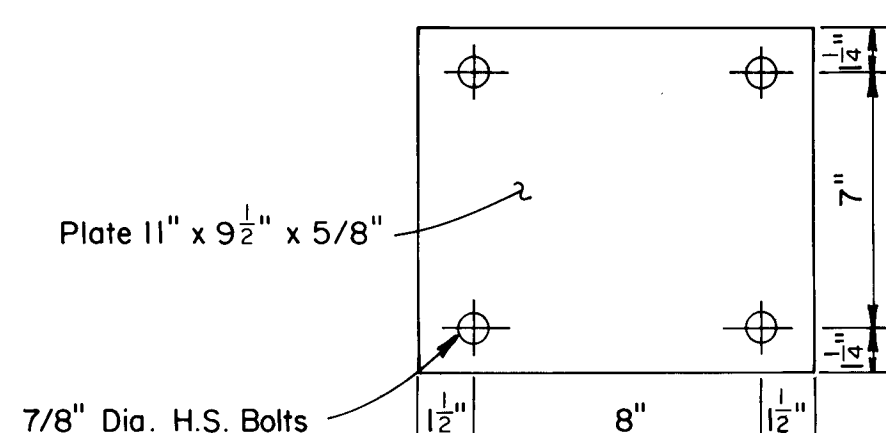
SHEET 8 OF 12

TYPICAL TYPE "B" RAIL DETAIL

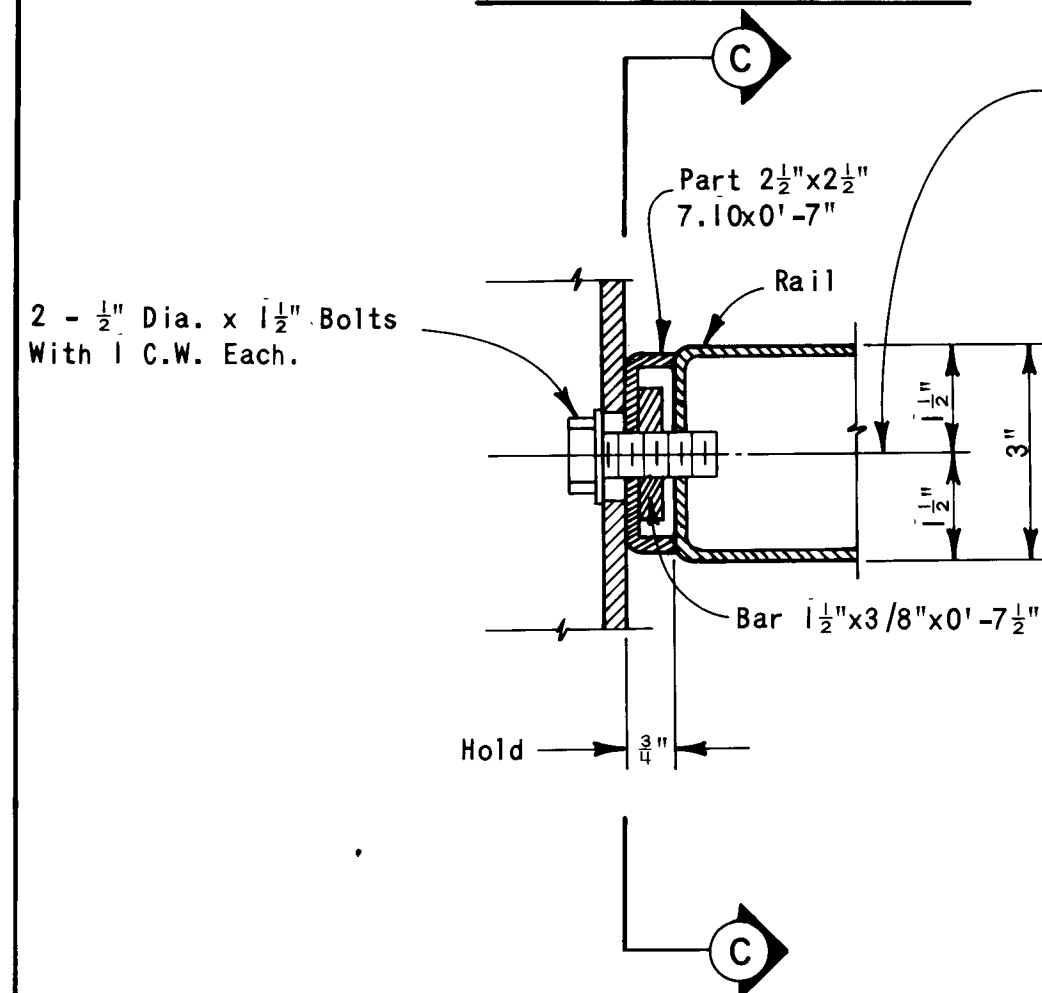
NO SCALE



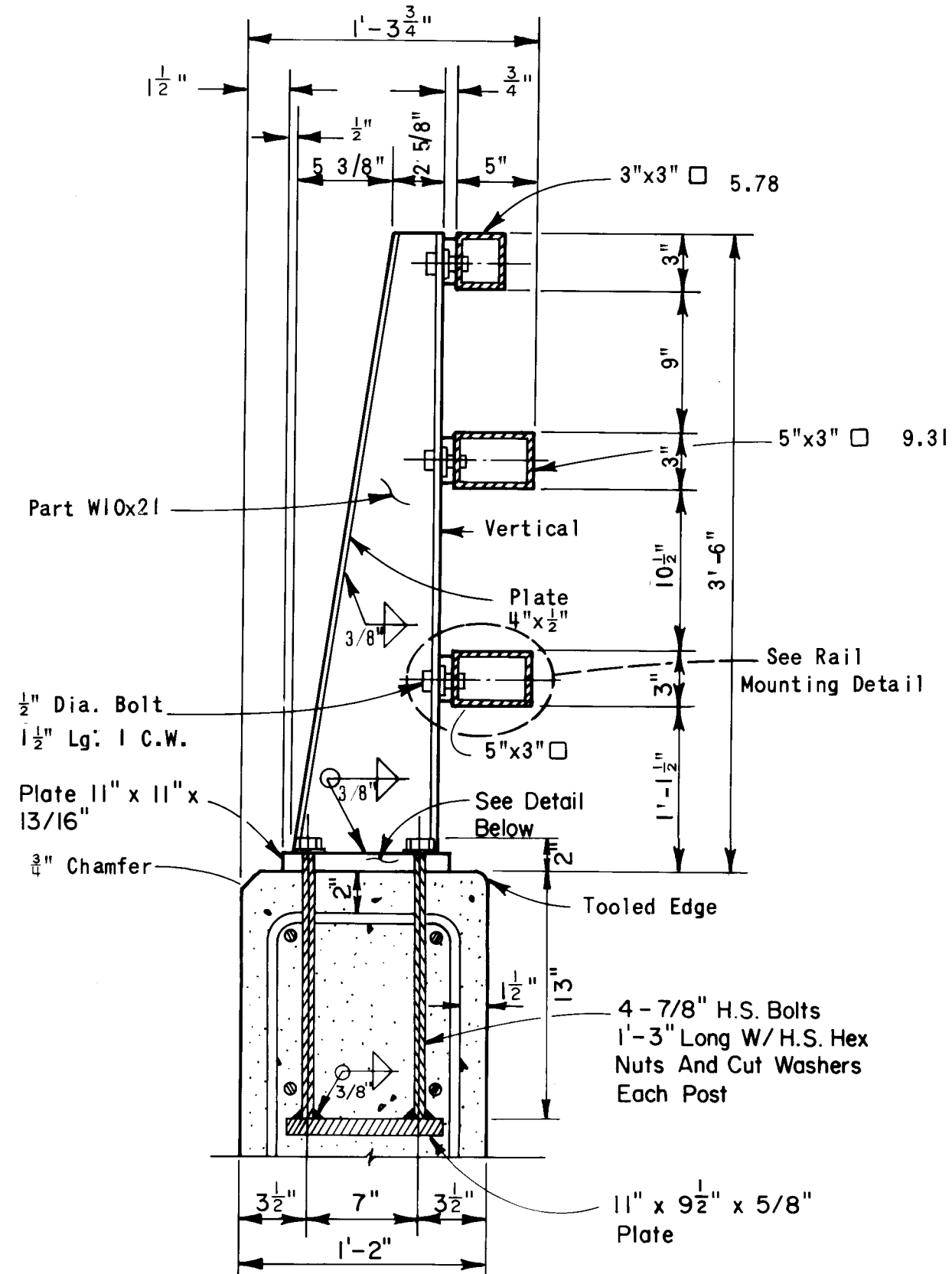
ELEVATION



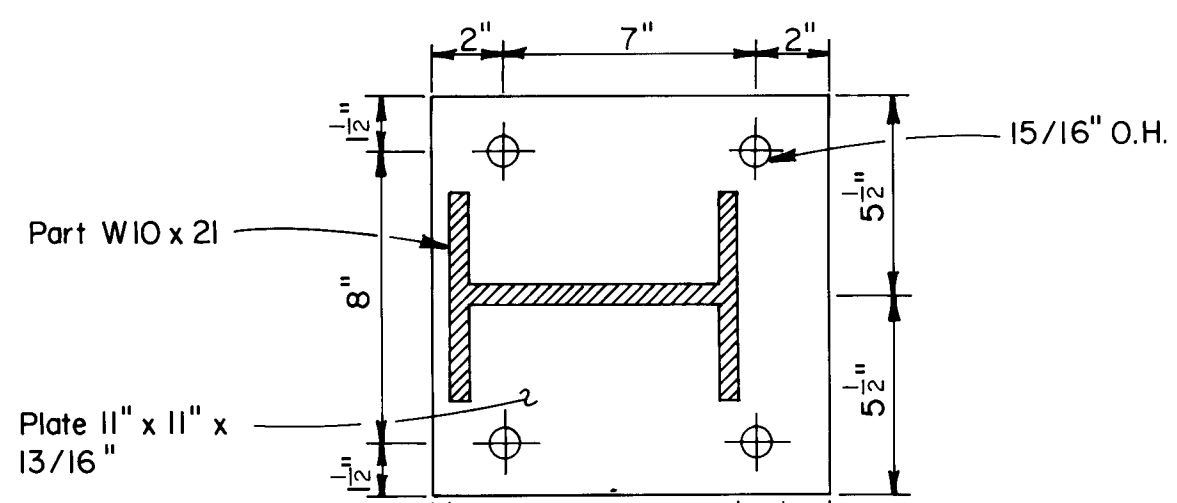
ANCHOR PLATE DETAIL



RAIL MOUNTING DETAIL
NO SCALE



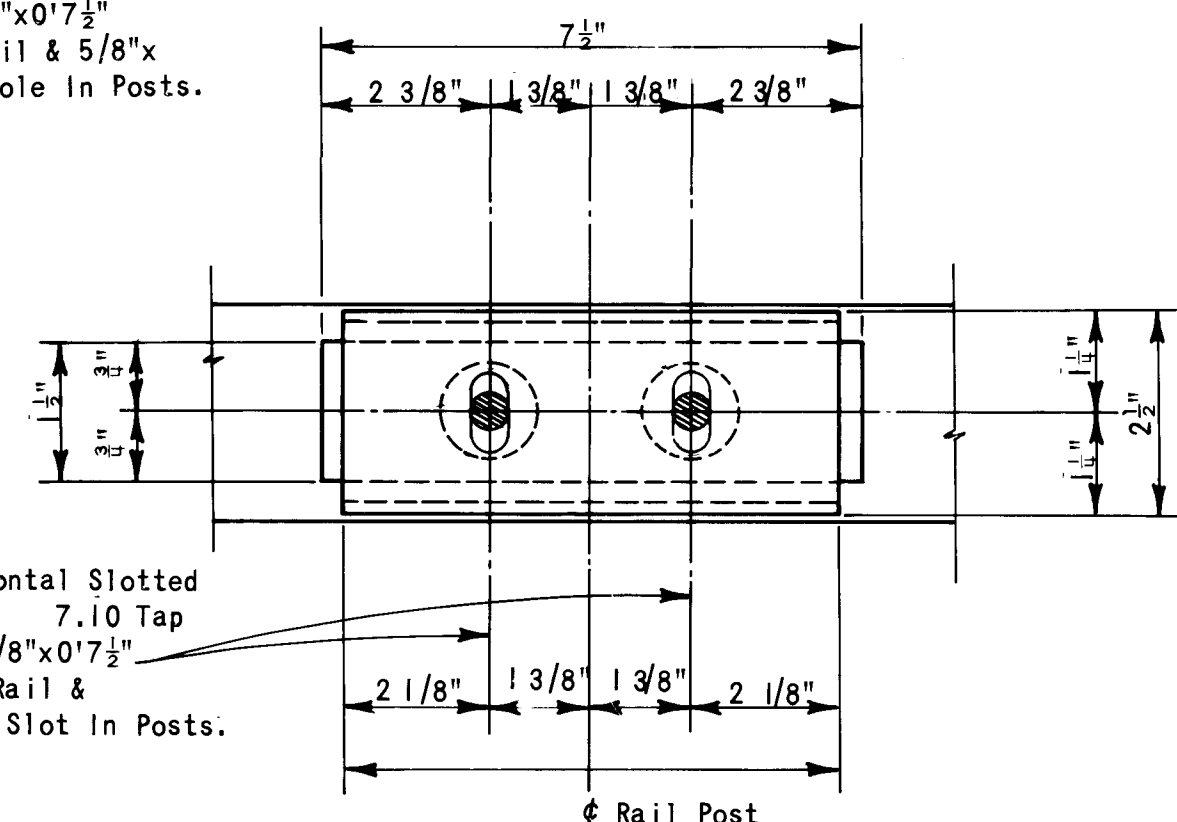
SECTION A-A



BASE PLATE DETAIL

9/16" x 1 1/16" Horizontal Slotted Hole In Part 2 1/2" x 3/8" 7.10 Tap 1/2"-13 NC In Bar 1 1/2" x 3/8" x 7 1/2" 1 1/16" Dia. O.H. In Rail & 5/8" x 1 1/16" Vertical Slot Hole In Posts.

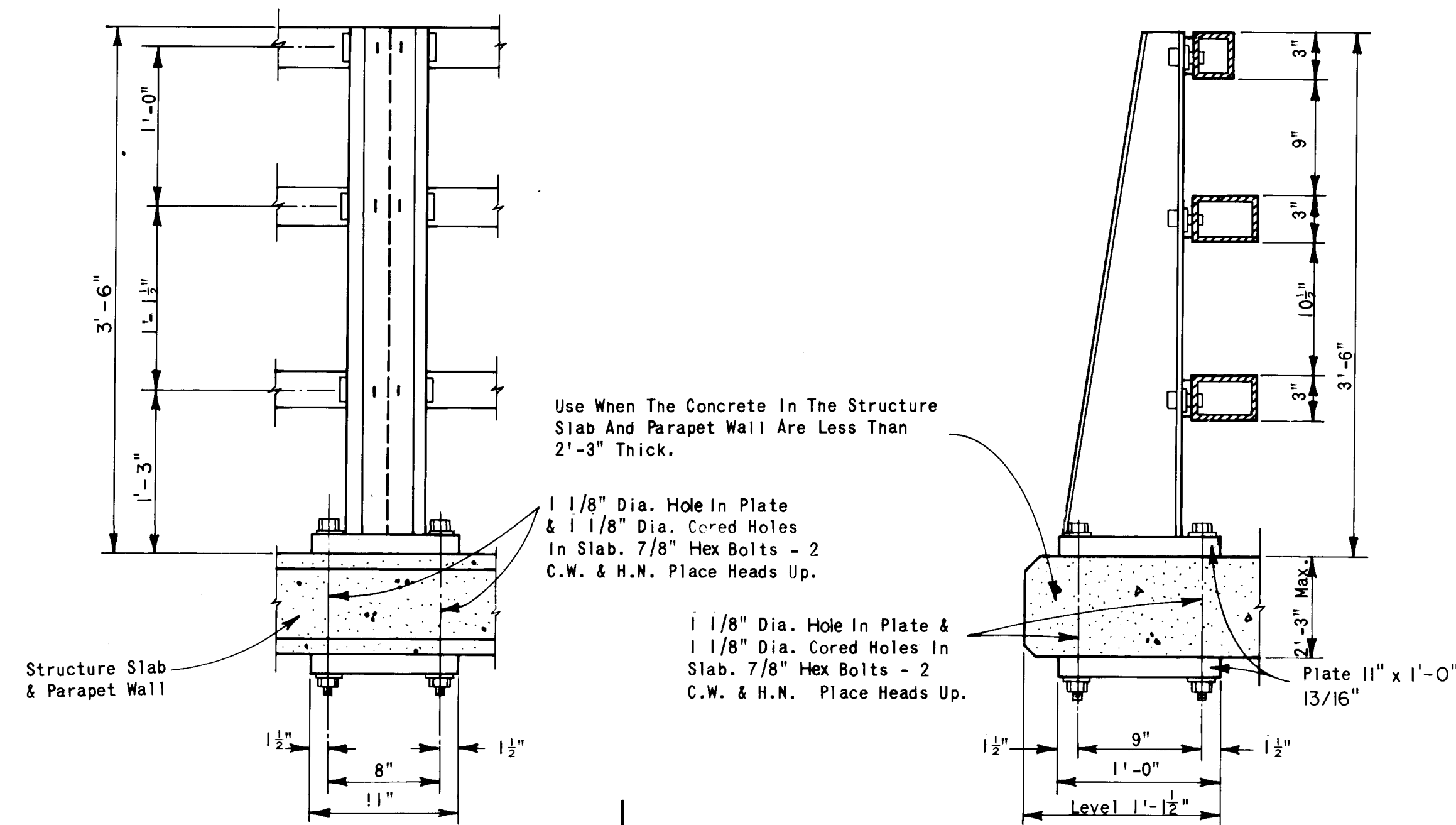
9/16" x 1 1/16" Horizontal Slotted Hole In Part 2 1/2" x 3/8" 7.10 Tap 1/2"-13 NC In Bar 1 1/2" x 3/8" x 7 1/2" 1 1/16" Dia. O.H. In Rail & 5/8" x 1 1/16" Vertical Slot Hole In Posts.



SECTION C-C
NO SCALE

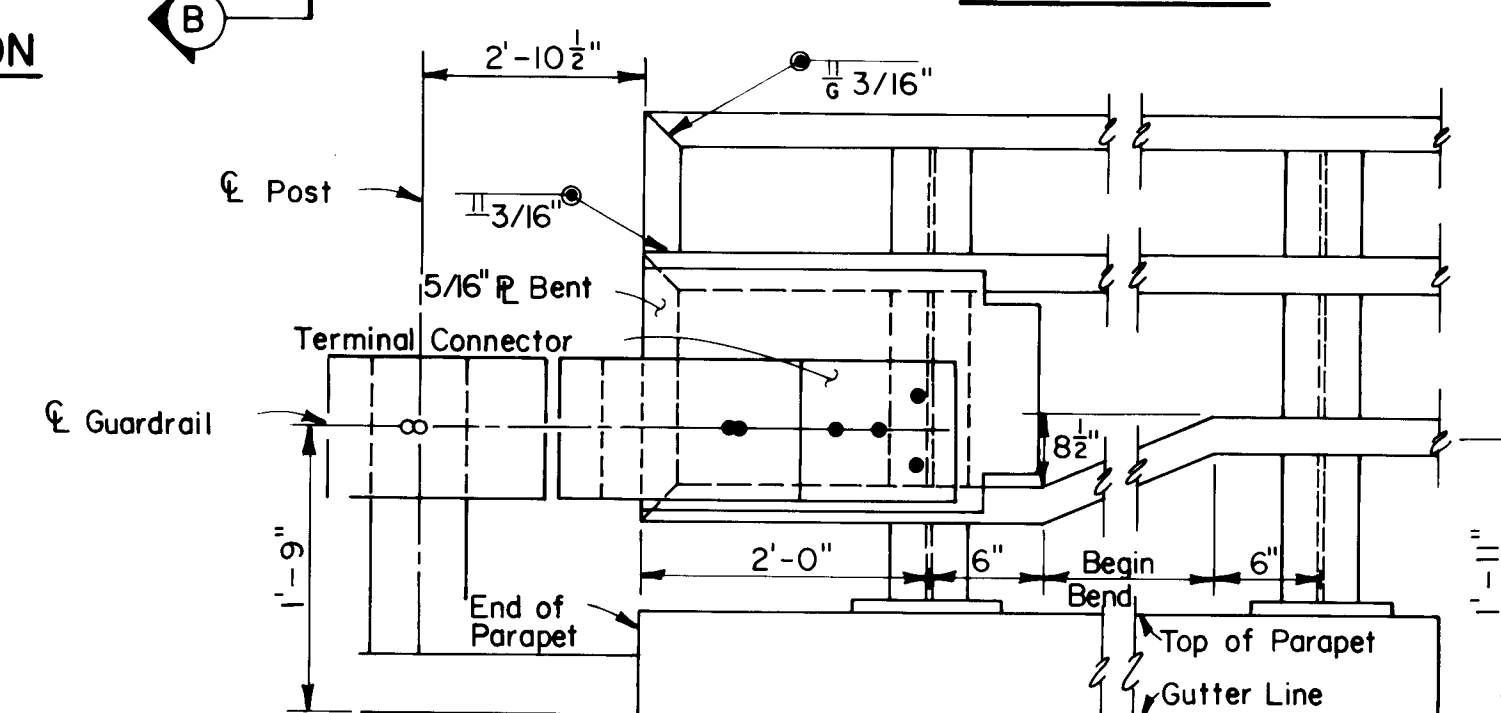
TYPICAL TYPE "B" RAIL DETAIL THROUGH RUNDOWN SECTION

NO SCALE



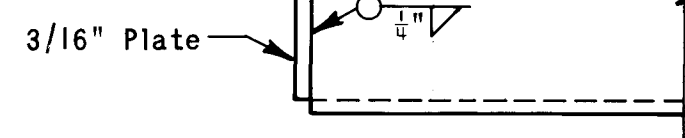
ELEVATION

SECTION B-B



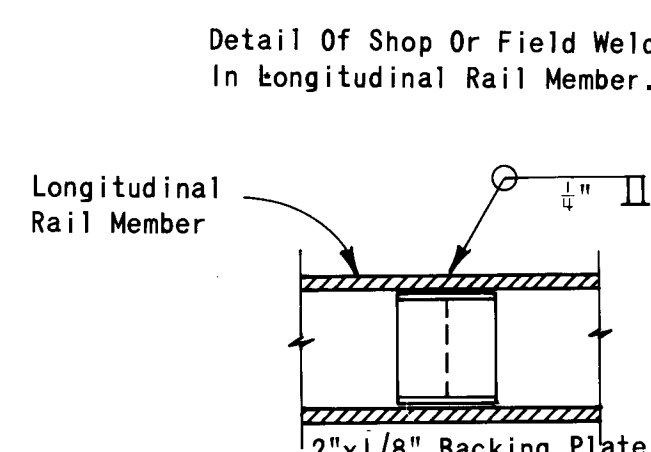
GUARDRAIL CONNECTION DETAIL

NO SCALE



RAIL END DETAIL

NO SCALE



RAIL SPLICE DETAIL

NO SCALE

POST SHIMS

TYPE "B" RAIL

NO SCALE

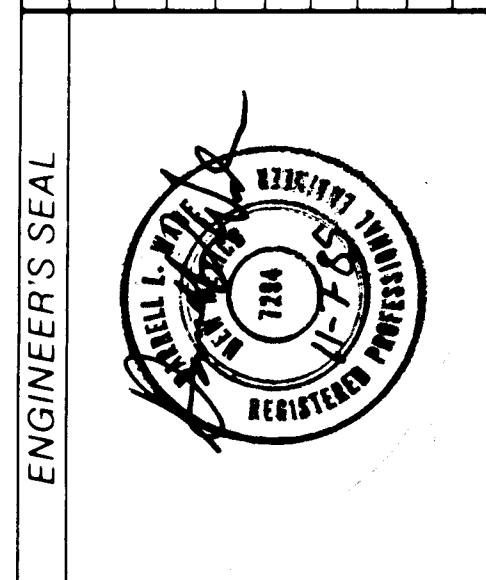
P = 1'-0" & 0'-11" Q = 0'-4" & 0'-7" One Shim P = 1'-1 1/2" & One Shim Q = 1'-0" For Each Type B Rail Post. Post Shims Are To Be Used Between Post And Concrete Where Necessary.

MAXIMUM POST SPACING TABLE			
Maximum Spacing	TYPE OF STEEL A.S.T.M. DESIGN		
5' x 3"	A501	A500 or A501	
8'-6"	A500 Grade A	A500 or A501	
9'-2"	A500 Grade B	A500 or A501	
10'-10"	A500 Grade B	A500 or A501	

AS BUILT INFORMATION			
CONTRACT NO.	DATE	INSPECTOR'S NAME	DATE
PROJECT NO.	DATE	VERIFICATION BY	DATE
DRAWING NO.	DATE	DRAWING BY	DATE
RECORDED BY	DATE	NO	

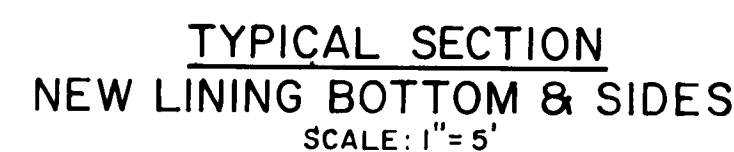
BENCH MARKS			
NO.	DATE	BY	

SURVEY INFORMATION			
NO.	DATE	BY	

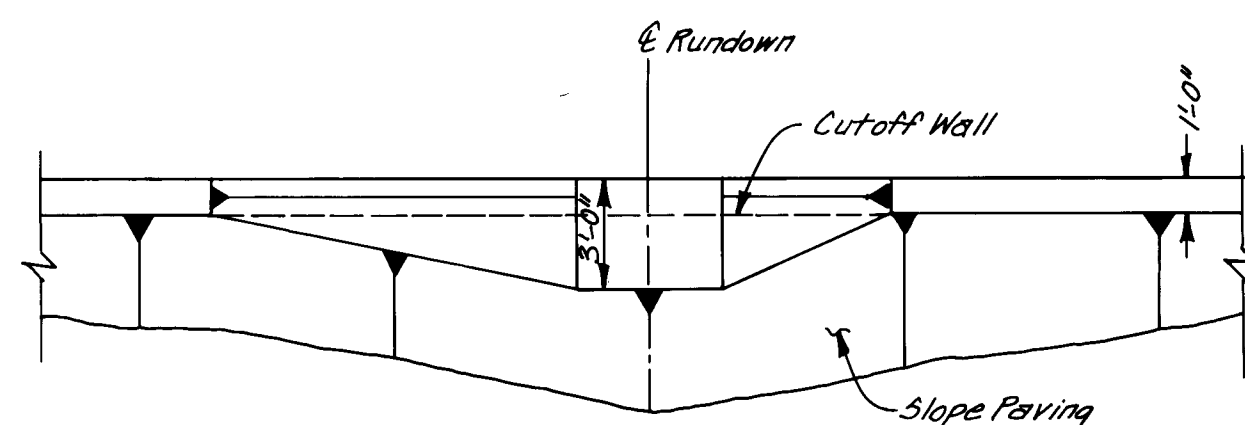


REVISIONS			
NO.	DATE	REMARKS	BY

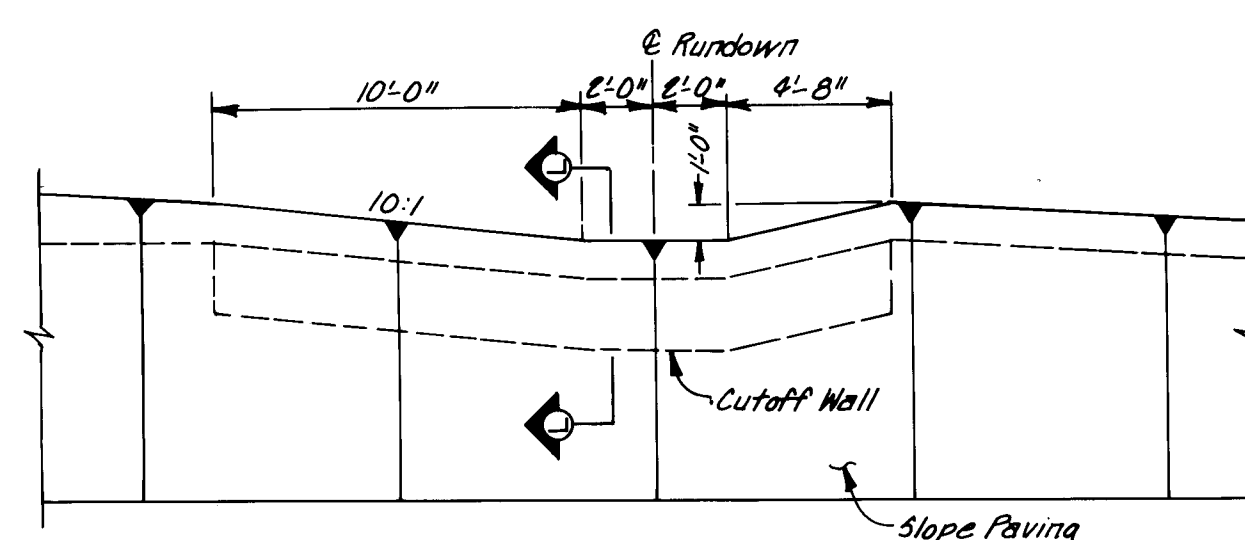
CITY OF ALBUQUERQUE FAR NORTH DRAINAGE CHANNEL IMPROVEMENTS			
TITLE:	TYPE "B" RAIL DETAILS		
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	10/3/86		ENGINEER
A.C.E. Design			DATE
Hydrology			DATE
DRAWING NO.	3023	MAP NO.	E-18-Z
SHEET	10	OF	12



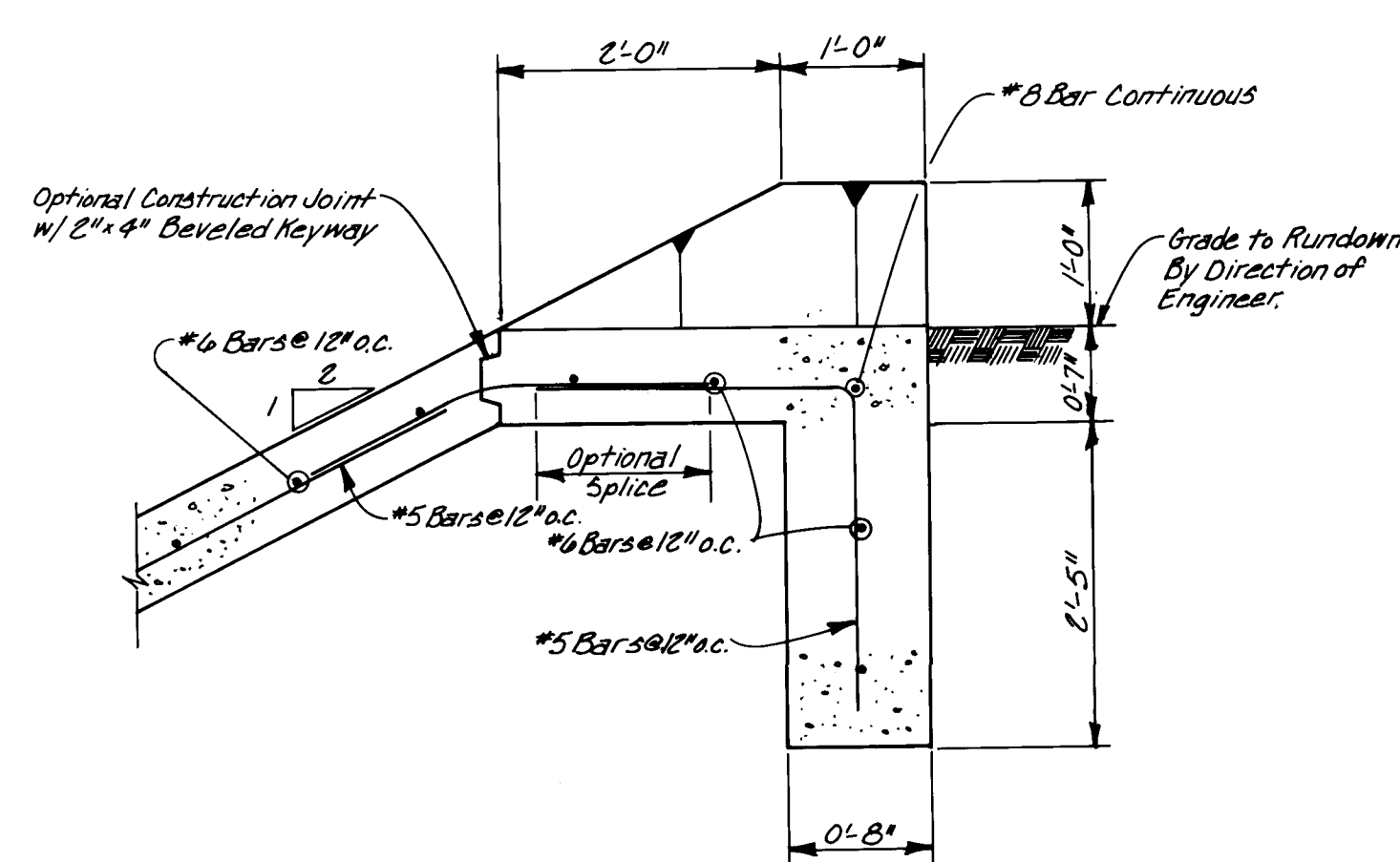
NOTE:
AREA BETWEEN NEW CONC. LINING
& RIGHT-OF-WAY LINE TO BE
GRADED SMOOTHLY & SLOPED TO
DRAIN INTO CHANNEL. COST OF
WORK TO BE INCIDENTAL TO OTHER
ITEMS OF WORK.



PLAN

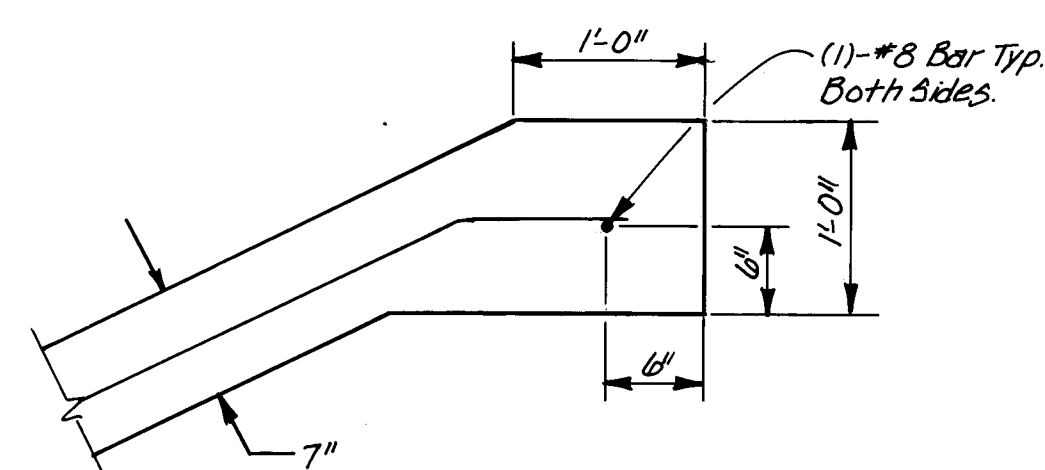


PROFILE



SECTION L-L

TYPICAL CHANNEL RUNDOWN DETAILS
NO SCALE

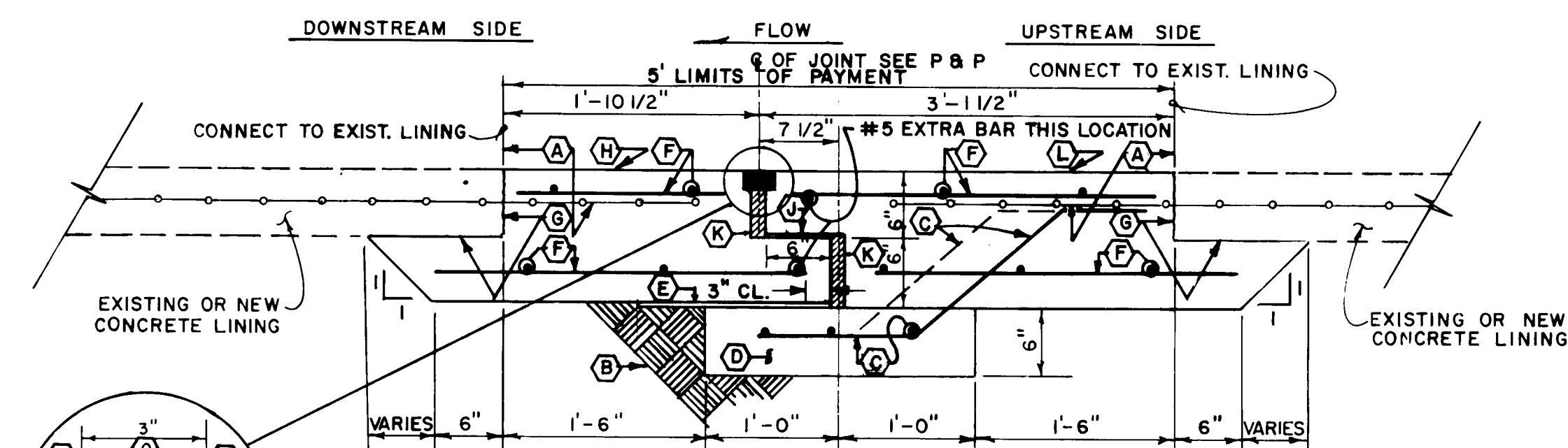


THICKENED EDGE DETAIL
NO SCALE

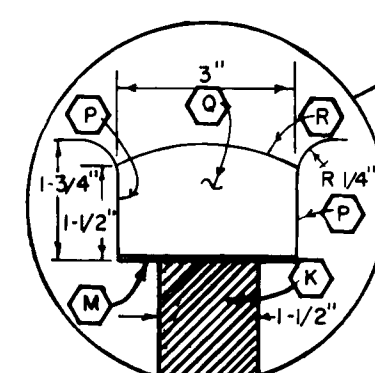
- (A) SAW CUT EXISTING CONCRETE LINING AS SHOWN 1" TO 1 1/2" DEEP. BREAK OUT AND REMOVE EXISTING CONCRETE LINING. CAREFULLY EXPOSE AND PRESERVE REINFORCING STEEL OR WELDED WIRE FABRIC, TIE TO NEW REINFORCING.
- (B) RECOMPACT SUBGRADE TO MINIMUM 90% ASTM D 1557. SHAPE TO DIMENSIONS SHOWN.
- (C) TIE STEEL AS SHOWN: #5 GRADE 40 OR 60 "Z" BAR @ 12" SPACING PARALLEL TO CHANNEL & #5 GRADE 40 OR 60 @ 8" SPACING TRANSVERSE TO CHANNEL. SEE DETAIL FOR Z BAR ON THIS SHEET. SECURELY TIE ALL CONNECTIONS. SUPPORT SLEEPER MAT WITH PREFORMED CONCRETE CHAIRS. STEEL SHALL BE FREE OF FERRIC OXIDE (BLACK RUST SCALE).
- (D) FORM AND POUR 3000 P.S.I. FLY ASH CONCRETE SLEEPER, STEEL TROWEL BEARING SURFACE SIDE ONLY. RECOMPACT ADJACENT SOIL.
- (E) POLYETHYLENE BEARING PLATE, 1/4" X 18", LOW DENSITY, PLACED FLAT ON SAME GRADE AS CHANNEL.
- (F) TIE STEEL AS SHOWN: #6 GRADE 60 @ 12" PARALLEL TO CHANNEL & #5 GRADE 40 OR 60 @ 18" TRANSVERSE TO CHANNEL. SUPPORT BOTTOM MAT WITH PREFORMED CONCRETE CHAIRS. SECURELY TIE STEEL AT EVERY OTHER CROSS POINT. STEEL SHALL BE FREE OF FERRIC OXIDE (BLACK RUST SCALE).
- (G) SANDBLAST BROKEN EDGE OF EXISTING CONCRETE AND APPLY TWO COMPONENT EPOXY BONDING AGENT, EVA POX FRESH BONDER PRODUCT #2, OR EQUAL, JUST PRIOR TO PLACING NEW CONCRETE.

△ (K) PLACE POLYETHYLENE FOAM FILLERS AS SHOWN, PLASTAZOTE OR EQUAL. ADHERE TO HARDENED CONCRETE WITH TWO COMPONENT EPOXY BINDER, EVA POX FRESH BONDER PRODUCT # 2 OR EQUAL. JUST PRIOR TO UPSTREAM POUR BRUSH ON SAME BINDER ON EXPOSED SIDES OF PLASTAZOTE. DO NOT GET BINDER ON TOP EDGE OF PLASTAZOTE.

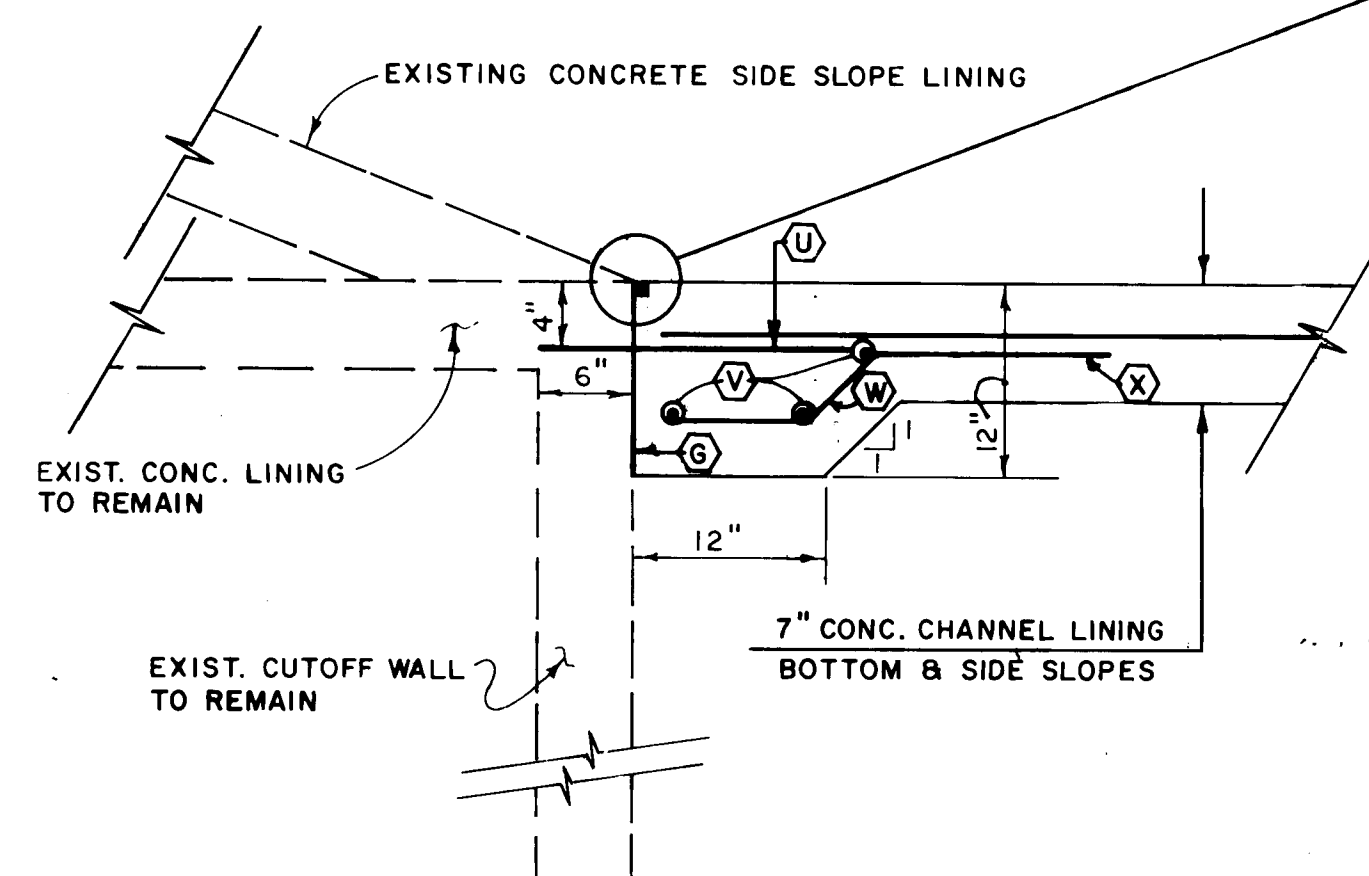
- (L) POUR UPSTREAM SECTION WITH 3000 PSI. FLY ASH CONCRETE AS PER SKETCH AND NOTES (F) & (G). BLOCK OUT STEP FOR SEAL WITH OIL FREE AND WAX FREE FORM SUCH AS POLYETHYLENE BAR. USE ALUMINUM FLOAT AND DRY BROOM FINISH.
- (M) PLACE MASKING TAPE BOND BREAKER ON TOP OF PLASTAZOTE AND UNDER SEAL AREA.
- (N) CURE CONCRETE MINIMUM 80% OF DESIGN STRENGTH BEFORE INSTALLING SEAL.
- (P) APPLY 2 COMPONENT EPOXY BONDER EVA POX FRESH BONDER PRODUCT #2 OR EQUAL, TO BOTH CONCRETE FACES. APPLY TO SIDES ONLY, NOT ON FLAT STEP.
- (Q) IMMEDIATELY INSTALL ETHYLENE VINYL ACETATE FOAM SEALANT, EVA SEAL OR EQUAL, AS SHOWN. SEALANT MUST BE COMPRESSED 25% INTO JOINT. ANY EPOXY ON TOP OF SEAL SHALL BE REMOVED WITH EVA POX SOLVENT #31 ON A DAMPENED RAG. ANY EVA SEAL LEFT PROTRUDING ABOVE LINING SHALL BE GROUND FLUSH WITH DISC TYPE GRINDER, 40 GRIT SANDPAPER AS AN ALTERNATE TO CLEANING WITH SOLVENT DAMPENED RAG, CONTRACTOR MAY ELECT TO INSTALL EVA SEAL 1/4" THICKER THAN REQUIRED AND GRIND OFF ALL PROTRUDING EVA SEAL WHETHER CLEAN OR NOT. THEN, ANY VOID BETWEEN EVA SEAL AND TOOLED EDGE SHALL BE FILED FLUSH WITH EPOXY BONDER & SILICA SAND MIX.
- (R) BRUSH ON 2 COATS EVA POX FLEXCOAT PRODUCT 19 OR EQUAL AFTER SEAL IS IN PLACE.
- (S) DRILL EXISTING CONCRETE AND EPOXY IN PLACE #5 SLICK 18" LONG DOWEL @ 18" O.C., STAGGER DOWELS A MINIMUM OF 3" FROM STANDARD LONGITUDINAL REINFORCING.
- (T) SMOOTH END (SAW CUT) #5 DOWEL 18" LONG WITH UPSTREAM END GREASED AND CAPPED.
- (U) INSTALL #6 DEFORMED BARS 24" LONG @ 12" O.C. LONGITUDINAL APPLICATION OR #5 DEFORMED BARS 24" LONG @ 18" O.C. TRANSVERSE APPLICATION INTO EXISTING CONCRETE. DRILL AND EPOXY IN PLACE. TIE TO STANDARD REINFORCING STEEL.
- (V) INSTALL 3-#6 BARS IN THICKENED EDGE.
- (W) INSTALL #6 @ 12" O.C. FOR LONGITUDINAL APPLICATION OR #5 @ 18" O.C. FOR TRANSVERSE APPLICATION. TIE TO STANDARD REINFORCING STEEL.
- (X) LAP TO BE 30 BAR DIAMETERS MINIMUM.



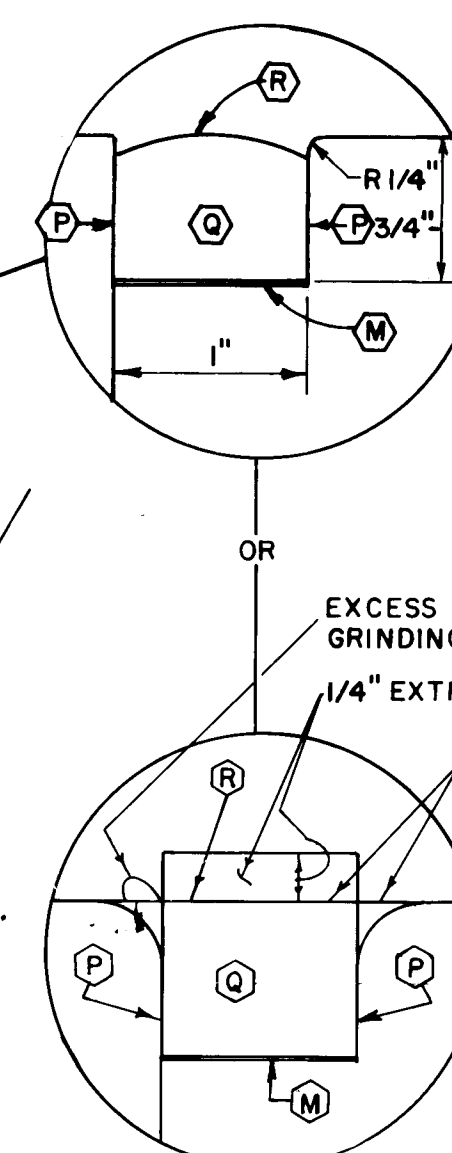
STEP JOINT
TYPE "C" JOINT
SCALE 1" = 1'-0"



"Z" BAR DETAIL



ABUT EXISTING LINING JOINT
TYPE "B" JOINT
SCALE 1"=1'-0"



ALTERNATE SEALANT DETAIL

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES					
		NO.	BY	DATE			
		PS-9	D. ANGEL	1/12-79	TOP CORN. 40' E.O. OF CHANNE EAST SIDE		CONTRACTOR
		DS-41	D. KRIEGER	2-11-88	MC KINNEY.		WORK
					ELEV. 5238.57		STAKED BY
					S.M. S.W. 80' LT LIGHT POLE N.E. CORNER		INSTRUMENTS
					SURVEYOR & KNOLL ROAD -		FIELD
					ELEV. 5287.19		ADJUSTED BY
					C.B.M. SSE. RET. ESTHER & BURLISON.		VERIFICATION BY
					ELEV. 5300.1		CORRECTED BY
							DATE
							MICRO-FILM INFORMATION
							RECORDED BY
							DATE

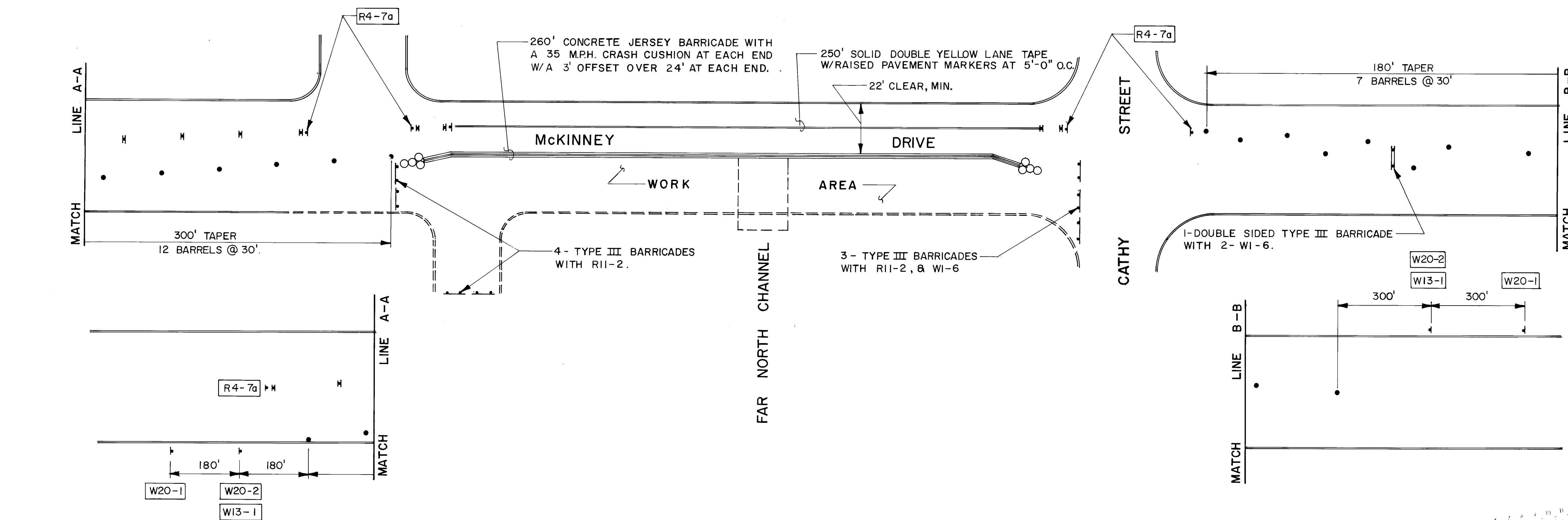
1	2	3	4	5	6	7	8	9	10	11
26			30	23	11	88				

CITY OF ALBUQUERQUE
FAR NORTH DRAINAGE
CHANNEL IMPROVEMENTS

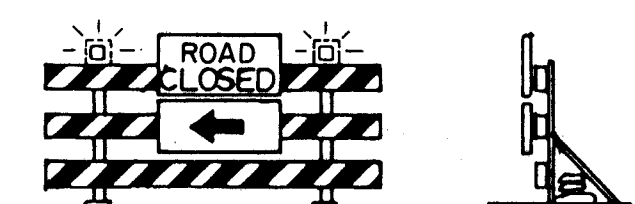
TITLE: TYPICAL CHANNEL SECTION
AND JOINT DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	10/8/86	Liquid Waste	<i>[Signature]</i>	10/8/86
ACE-Design	" "	"	Traffic	NADWH	10/8/86
ACE-Hydrology	<i>[Signature]</i>	10/8/86	Water	WW	10/8/86

DRAWING NO.	3023	MAP NO.	E-18-Z	SHEET	11	OF	12
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STAGE II



NTS

- 6 BARREL WITH TYPE 'C' LIGHT
- 7 SIGN WITH TYPE 'A' LIGHT
- 8 VERTICAL PANEL WITH TYPE 'C' LIGHT.
- 9 TYPE III BARRICADE WITH TYPE 'A' LIGHTS.

I. ALL CRASH CUSHIONS AND BARRIORS MUST MEET A.A.S.H.T.O. STANDARDS.

CITY OF ALBUQUERQUE
FAR NORTH DRAINAGE
CHANNEL IMPROVEMENTS

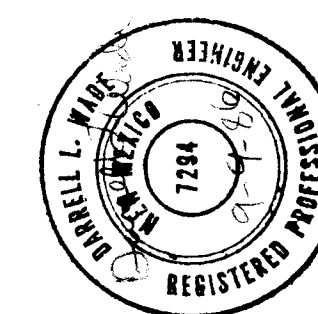
TITLE:	TRAFFIC CONTROL PLAN
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APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Anders H</i>	10/3/86	Liquid Waste	N/A W/L	10/3/86
A C E - Design	" "	"	Traffic	N/A Draft	10/3/86
A E E - Hydrology	<i>Don Hogan</i>	10/3/86	Water	N/A W/L	10/3/86
			TRAFFIC OPERATIONS	<i>W/L</i>	10/3/86

DRAWING NO. 3023		MAP NO. E-18-Z	SHEET 12 OF 12
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SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
FIELD NOTES					
NO.	BY	DATE		CONTRACTOR	
				WORK ORDERED BY	DATE
				INSPECTOR'S	DATE
				ACCEPTANCE BY	DATE
				FIELD VERIFICATION BY	DATE
				DRAWINGS CORRECTED BY	DATE
			MICRO-FILM INFORMATION		
				RECORDED BY	DATE
				NO.	

ENGINEER'S SEAL

[illegible]