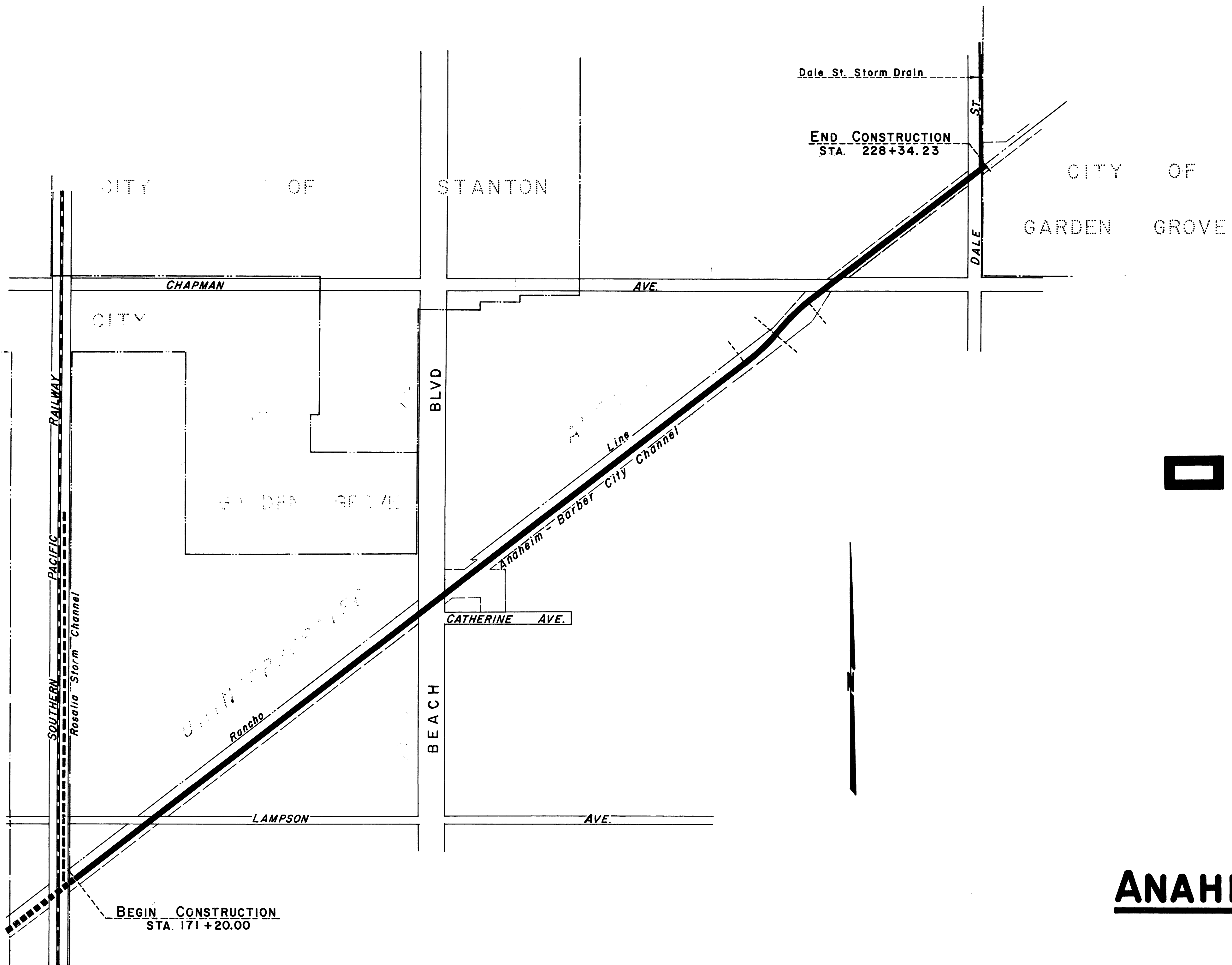
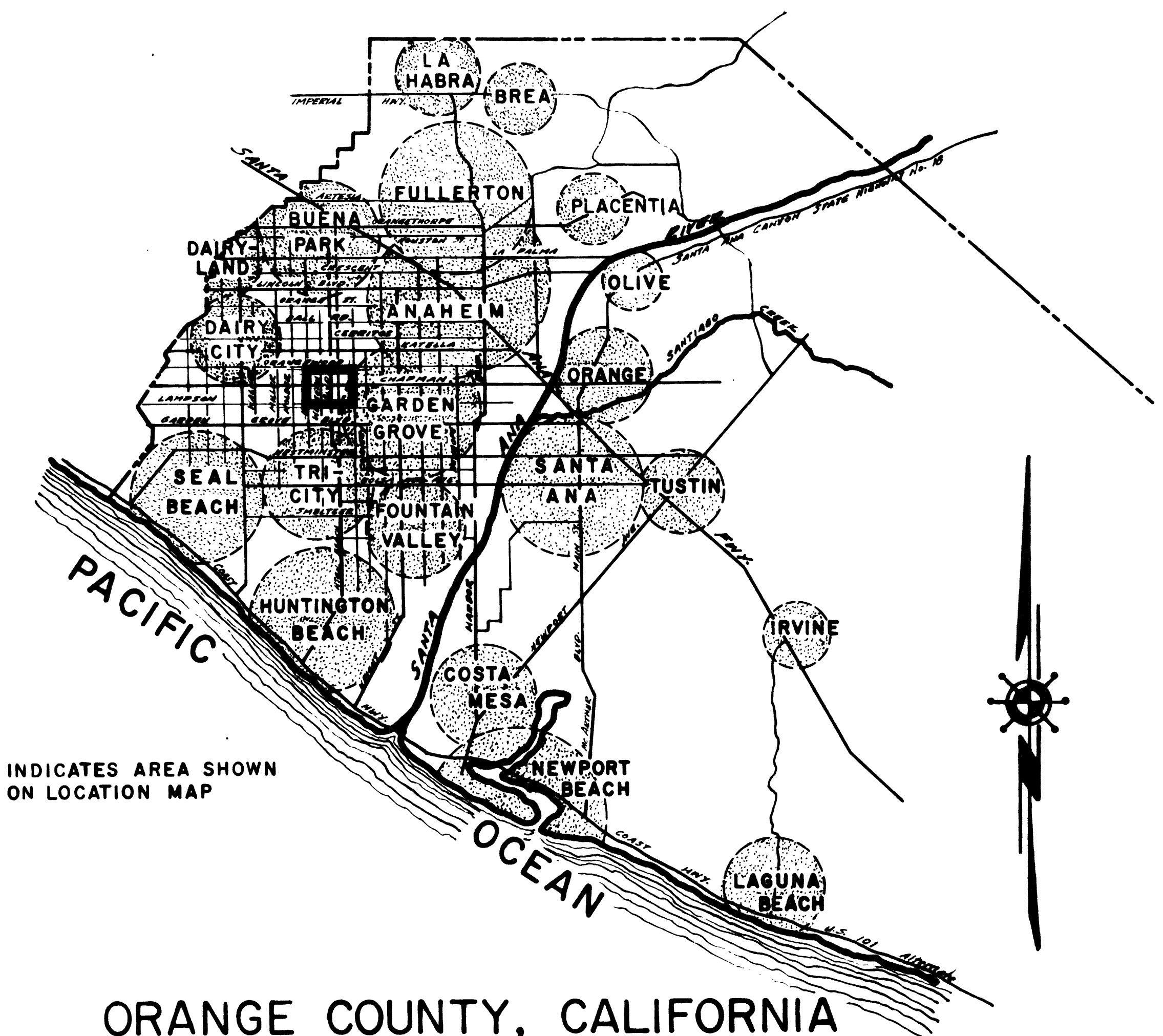




LOCATION MAP

Scale : 1" = 300'-0"



INDICATES AREA SHOWN ON LOCATION MAP

ORANGE COUNTY, CALIFORNIA

VICINITY MAP

1 inch = 3 miles

PLANS FOR
THE CONSTRUCTION OF

ANAHEIM - BARBER CITY CHANNEL

LAMPSON AVE. TO DALE ST.

DECEMBER, 1957

APPROVED: *[Signature]* DATE: 1-6-58
FLOOD CONTROL ENGINEER

APPROVED: *[Signature]* 1-6-58
As to portion in County
Highways
COUNTY SURVEYOR &
ROAD COMMISSIONER

APPROVED: *[Signature]* 1/6/58
As to portion within
City of Garden Grove
CITY ENGINEER
CITY OF GARDEN GROVE "AS BUILT 2-59"

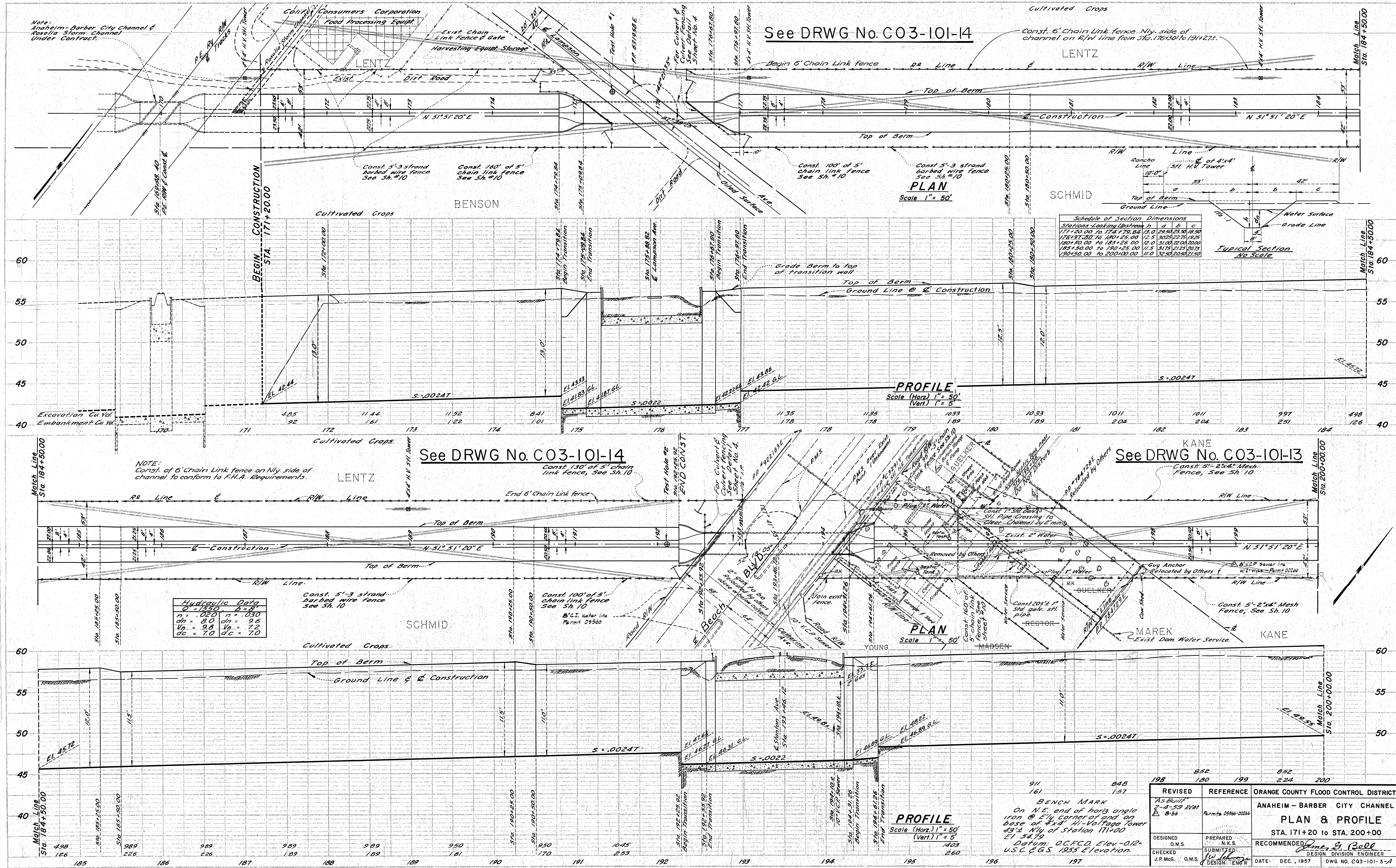
ORANGE COUNTY FLOOD CONTROL DISTRICT
SANTA ANA CALIFORNIA

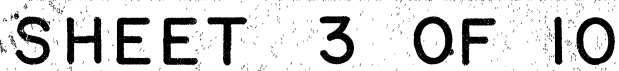
DWG. NO. C03-101-3-A

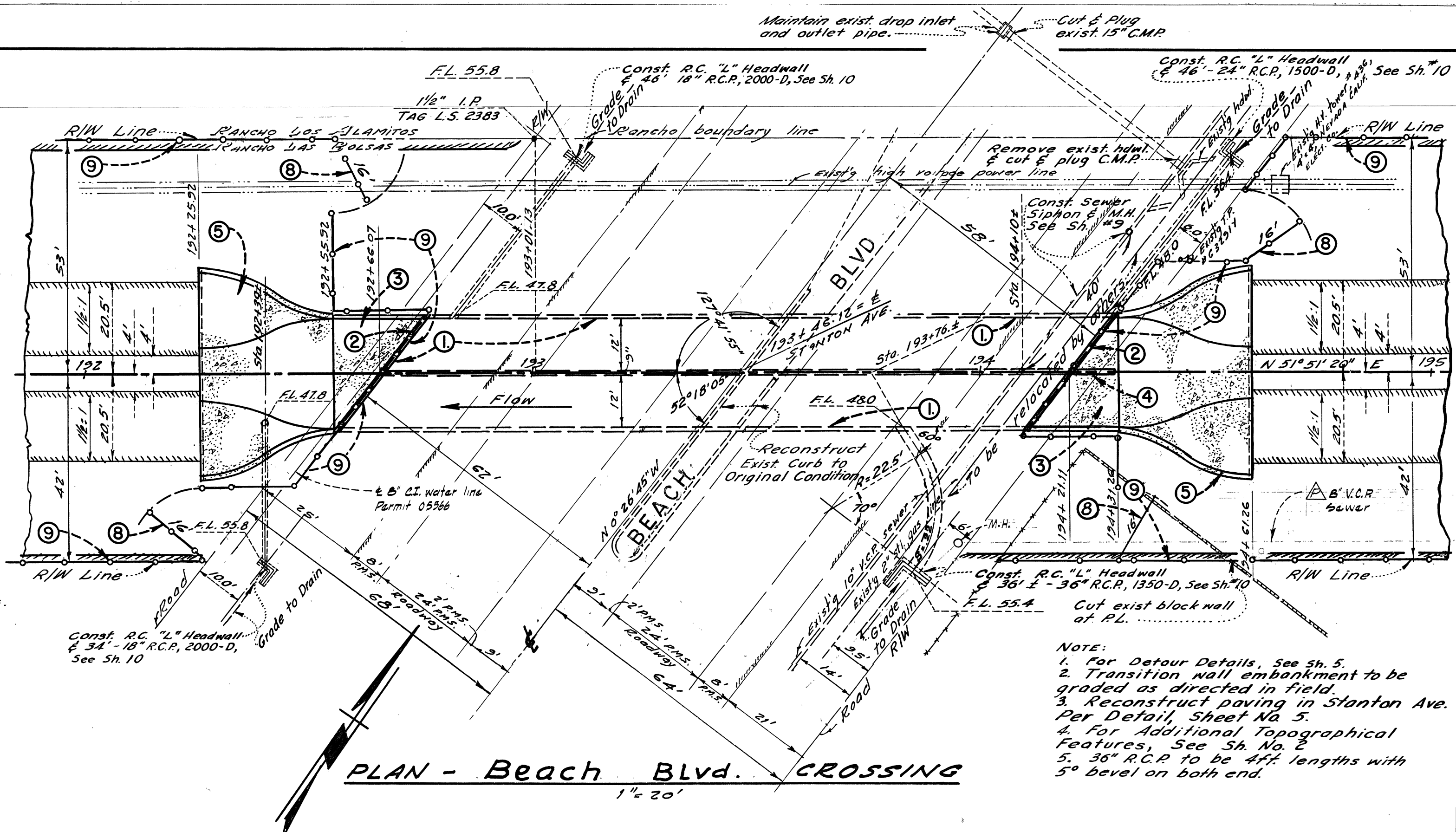
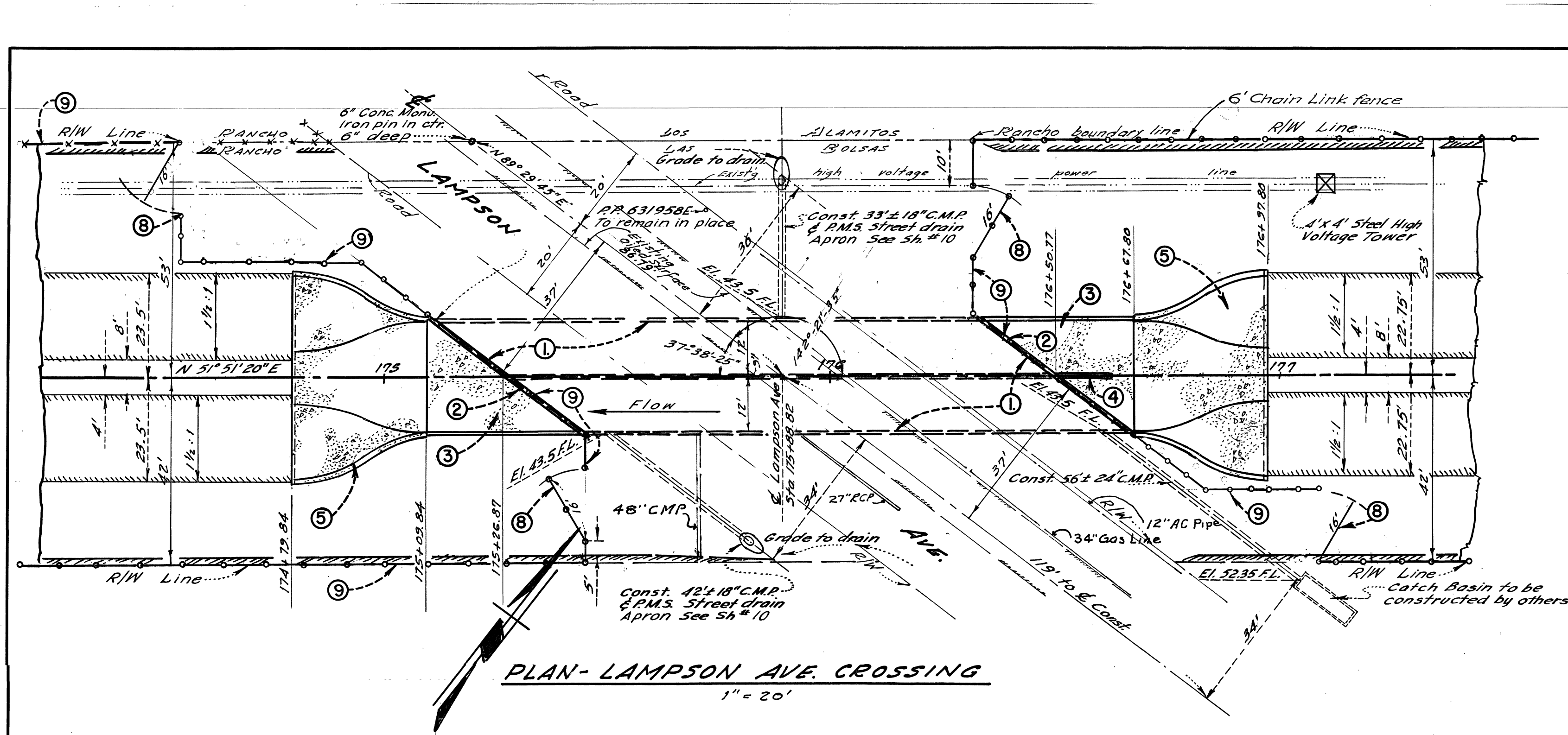
NOTE: Sheet no. 8 deleted from plans.

C03-101-3A

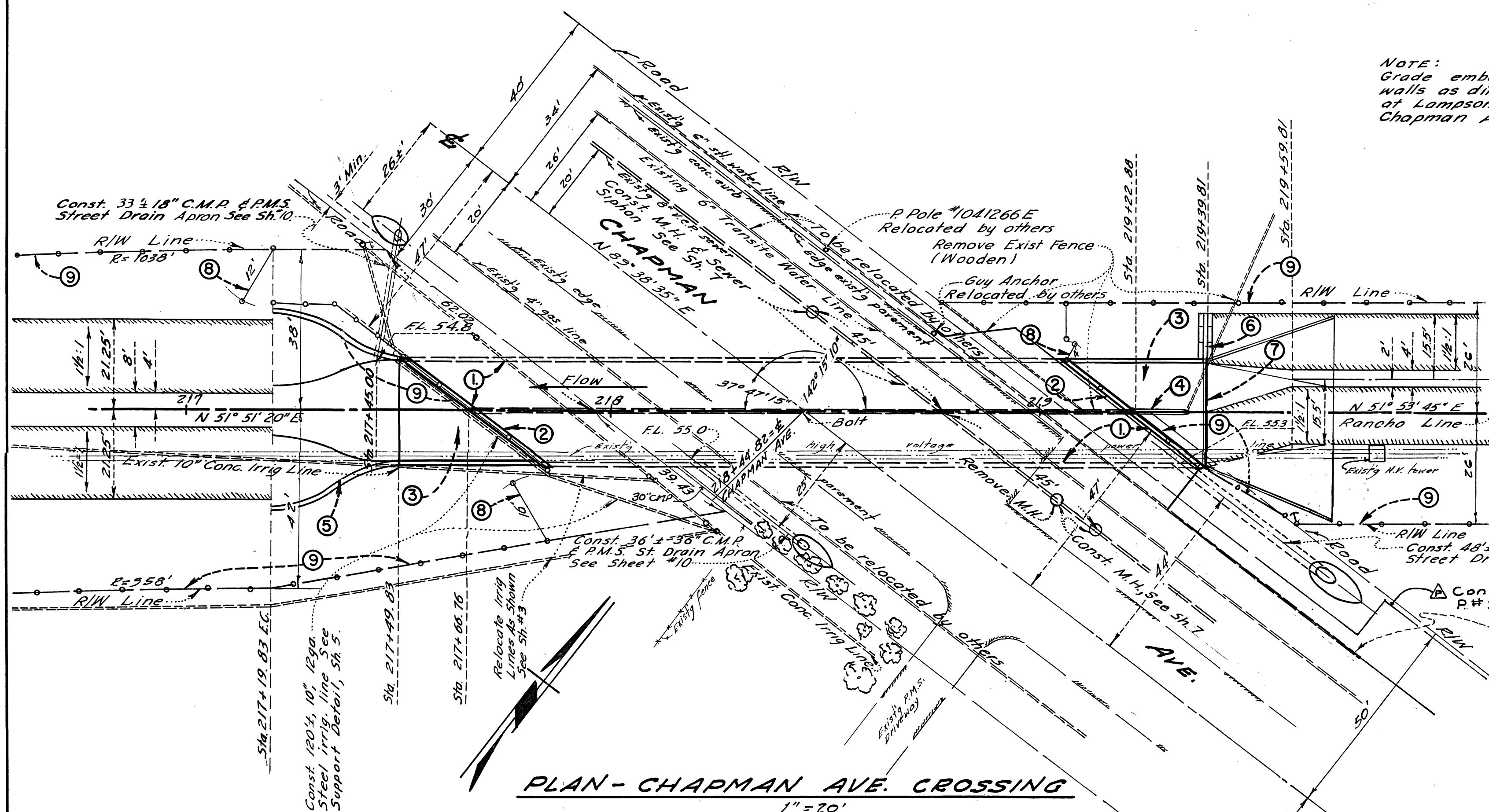
2



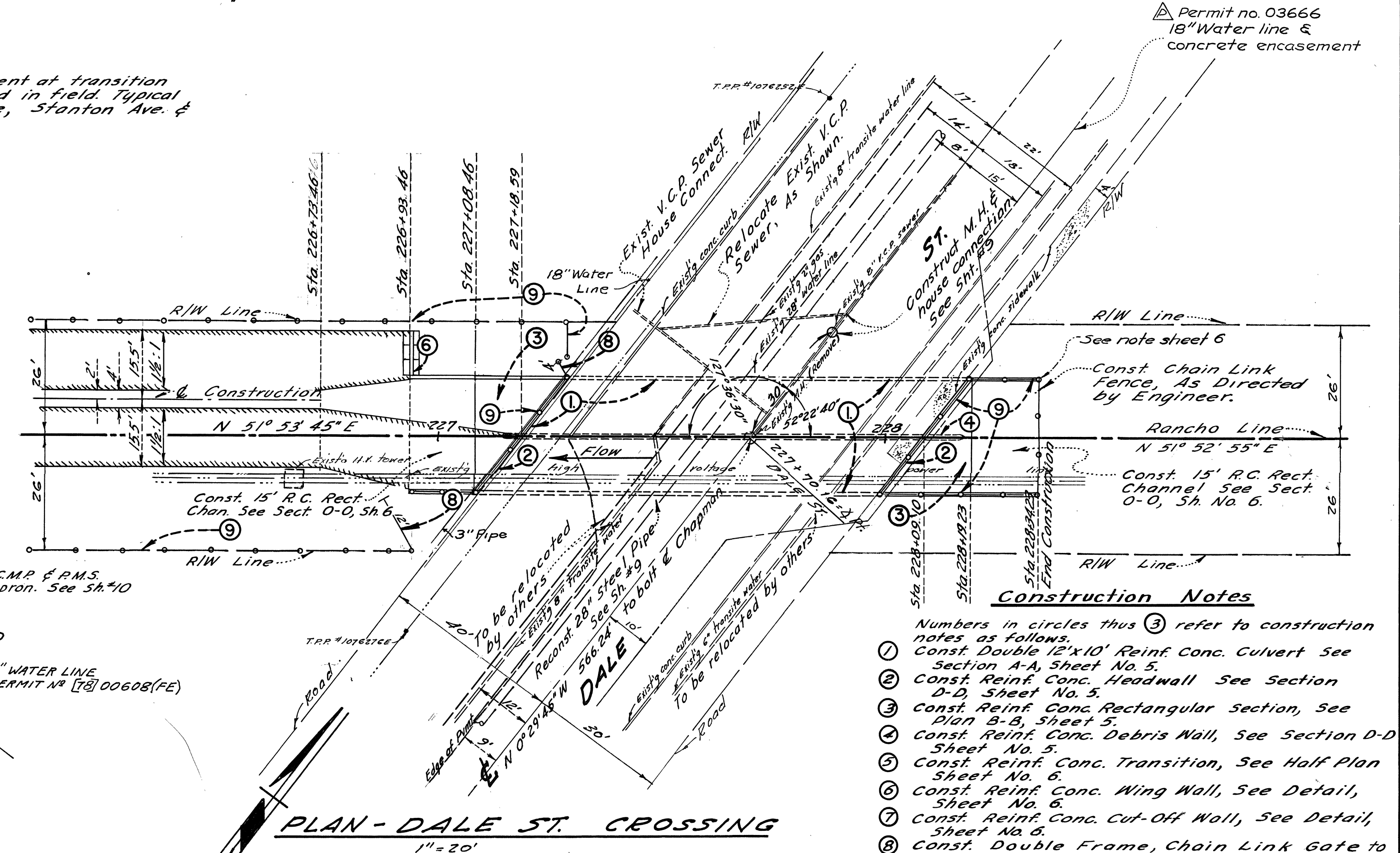




NOTE:
1. Detour Details, See Sh. 5.
2. Transition wall embankment to be graded as directed in field.
3. Reconstruct paving in Stanton Ave. Per Detail, Sheet No. 5.
4. For Additional Topographical Features, See Sh. No. 8.
5. 36" R.C.P. to be 4 ft lengths with 5° bevel on both end.



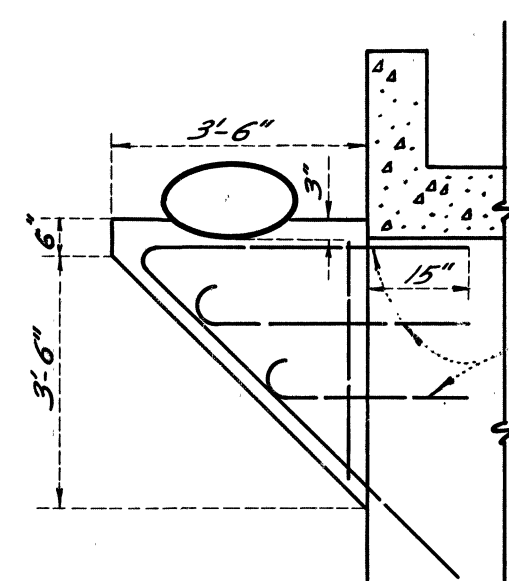
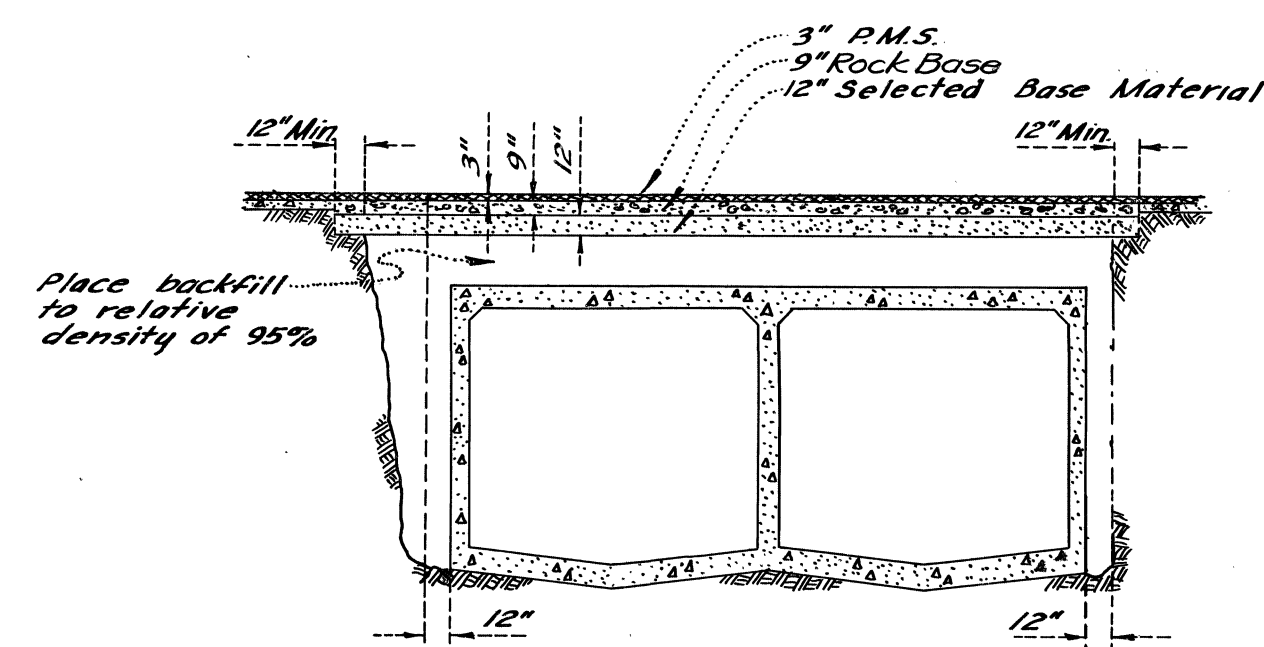
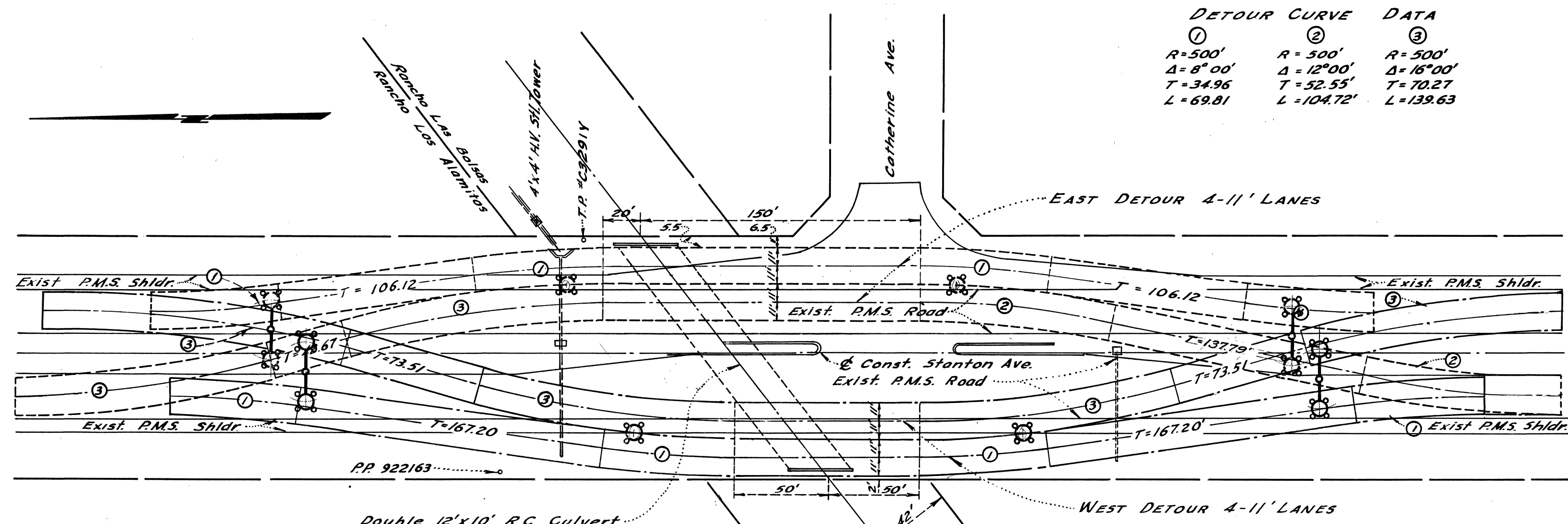
NOTE:
Grade embankment at transition walls as directed in field. Typical at Lampson Ave, Stanton Ave. & Chapman Ave.



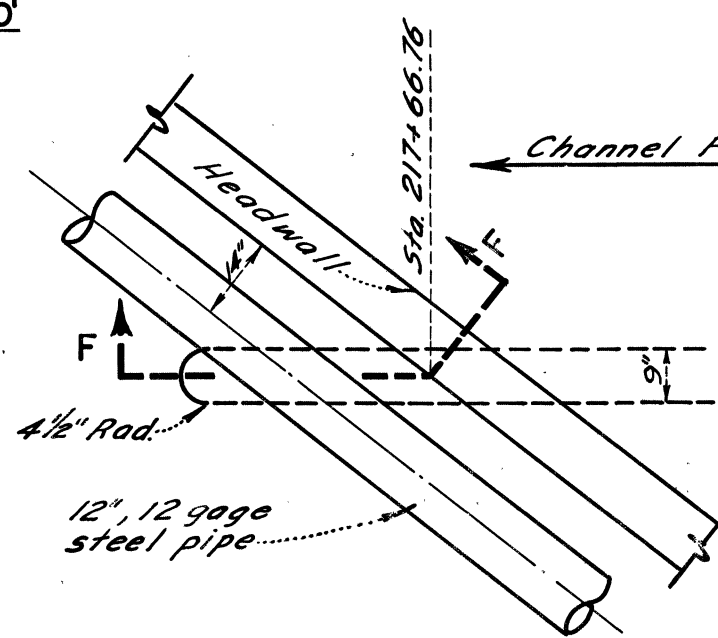
- Construction Notes**
- Numbers in circles thus ③ refer to construction notes as follows.
- ① Const. Double 12"x10" Reint. Conc. Culvert See Section A-A, Sheet No. 5.
 - ② Const. Reint. Conc. Headwall See Section D-D, Sheet No. 5.
 - ③ Const. Reint. Conc. Rectangular Section, See Plan 8-3, Sheet 5.
 - ④ Const. Reint. Conc. Debris Wall, See Section D-D, Sheet No. 5.
 - ⑤ Const. Reint. Conc. Transition, See Half Plan Sheet No. 6.
 - ⑥ Const. Reint. Conc. Wing Wall, See Detail, Sheet No. 6.
 - ⑦ Const. Reint. Conc. Cut-Off Wall, See Detail, Sheet No. 6.
 - ⑧ Const. Double Frame, Chain Link Gate to Width as Shown. See Detail Sheet No. 10.
 - ⑨ Const. 5' Chain Link Fence, See Detail Sh. #10.

REVISED	REFERENCE	ORANGE COUNTY FLOOD CONTROL DISTRICT
As Built	2-4-59 R.E.M.	ANAHEIM - BARBER CITY CHANNEL
5-66	Permit 05555-0024	STREET CROSSING
8-68, 32370	Permit 03666	DETAILS
12-78	PER. 17310060808	
DESIGNED	PREPARED	RECOMMENDED
H. E. H.	F. J. S. N. K. S.	James Bell
CHECKED	SUBMITTED	DESIGN DIVISION ENGINEER
O. M. S.	DESIGN ENGINEER	
	DATE: DEC. 1957	DWG. NO. C03-101-3-A

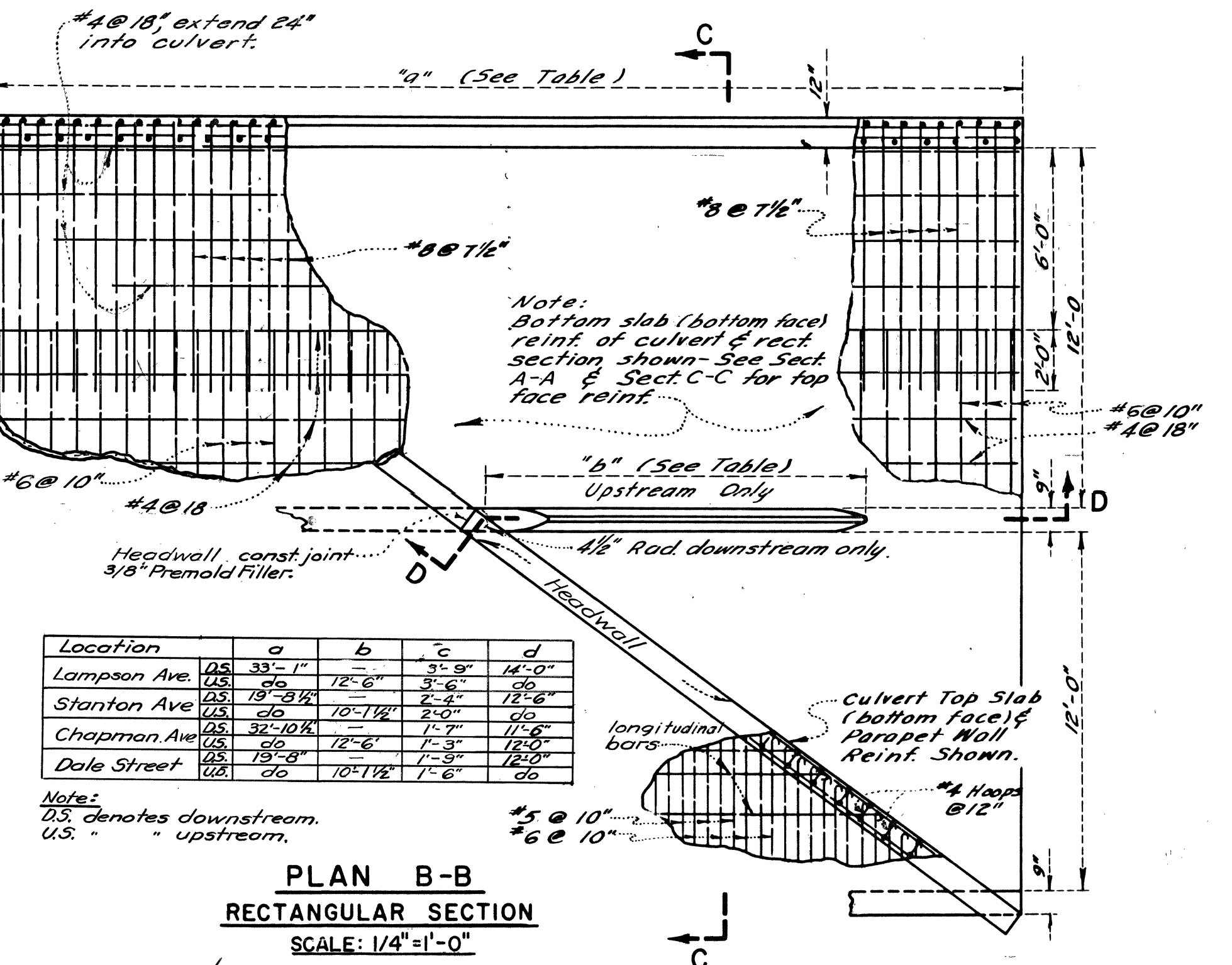
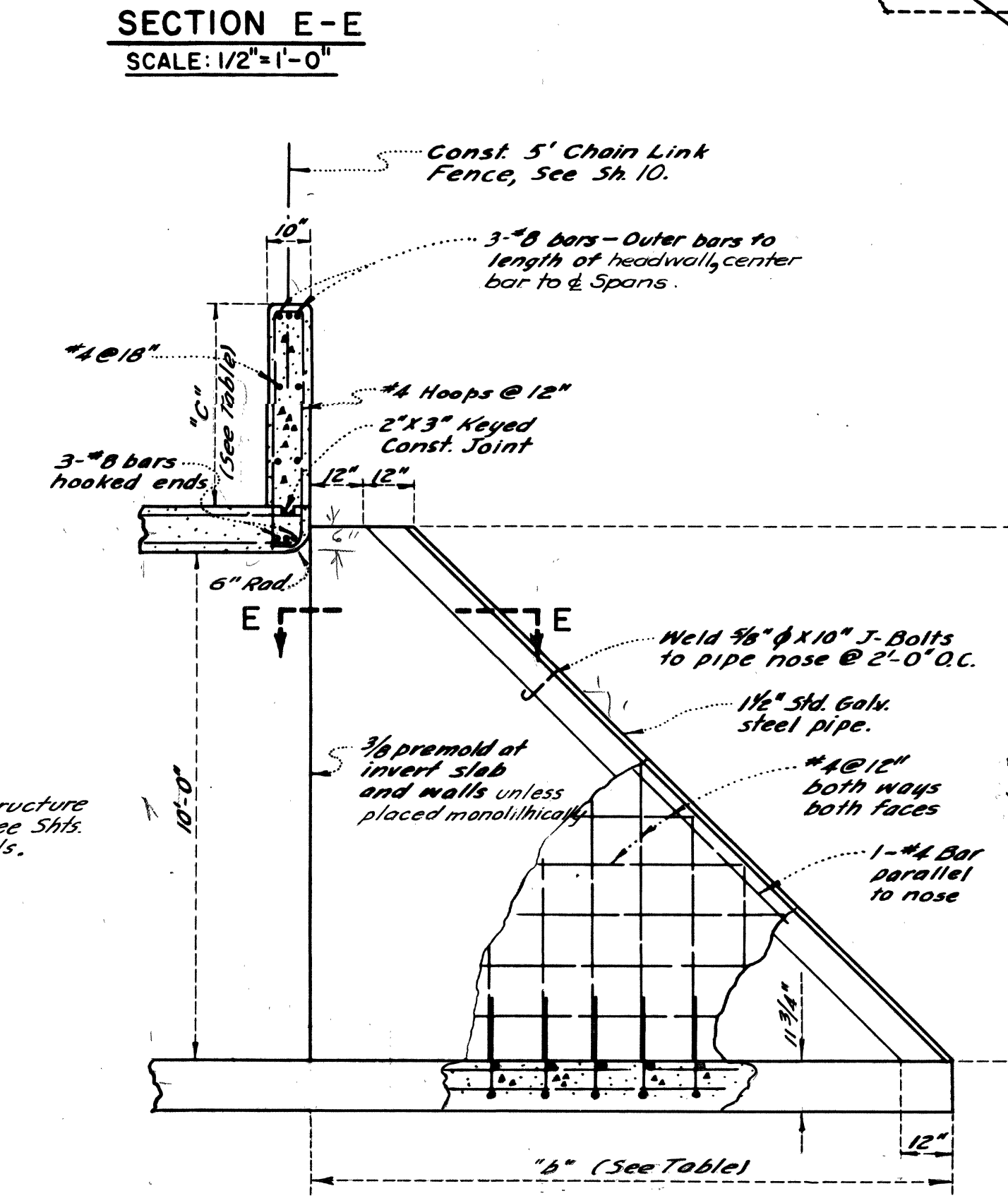
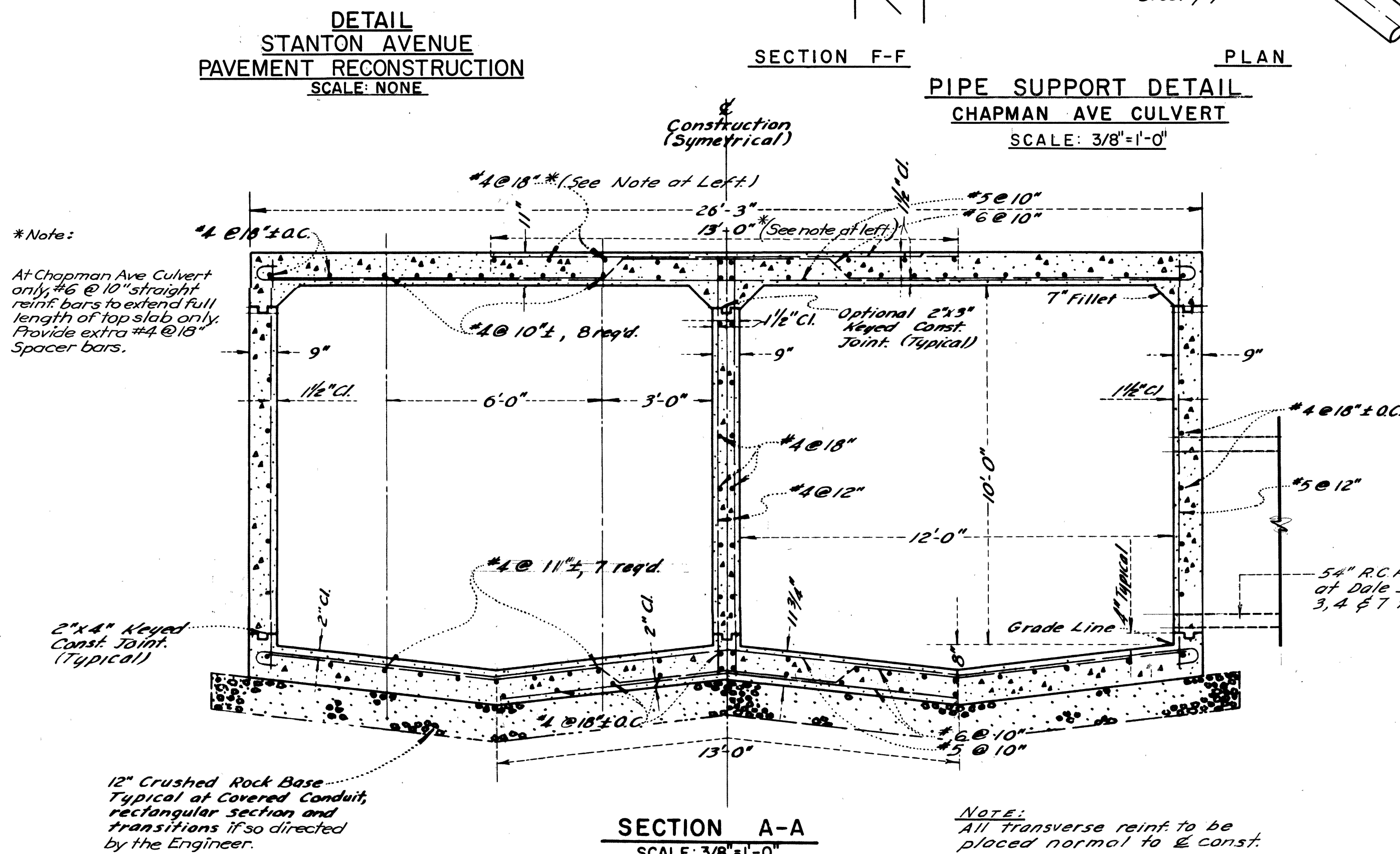
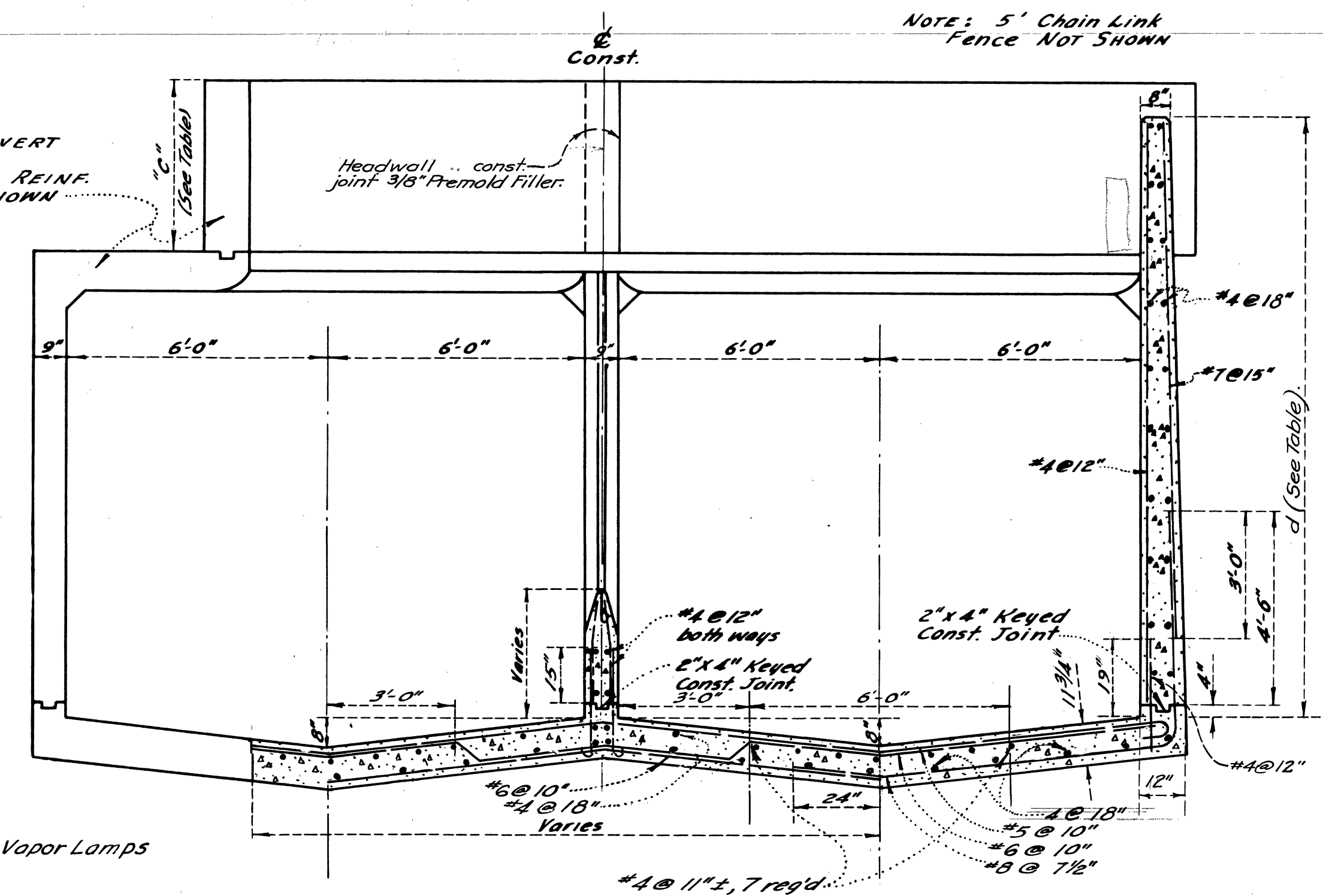
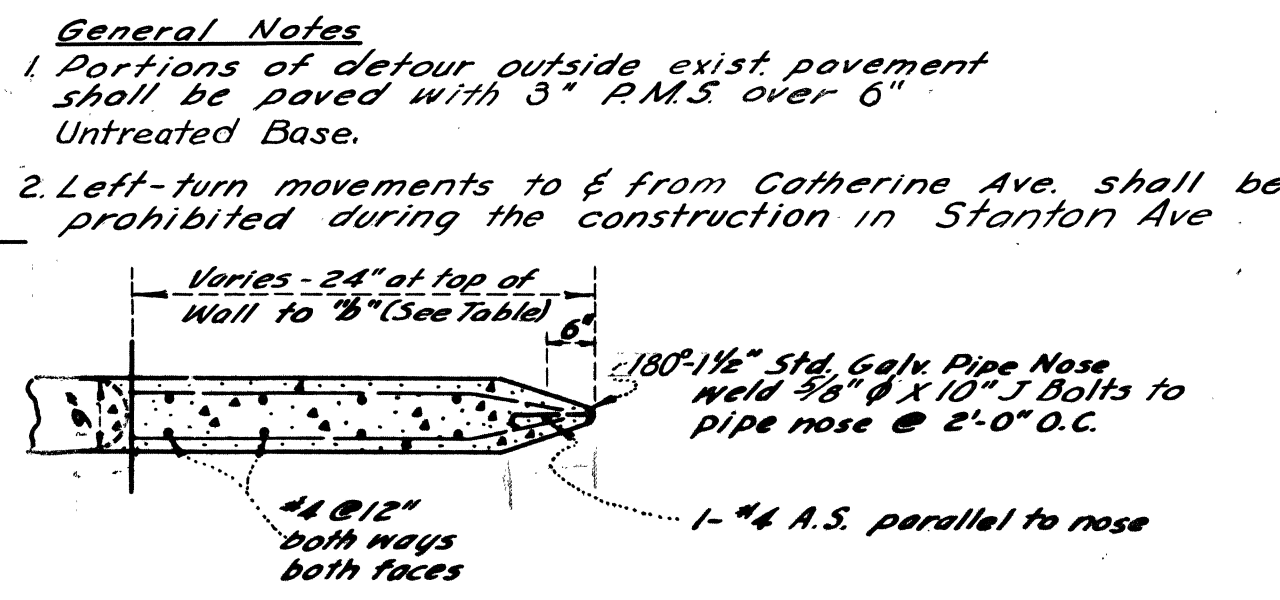
C03-101-3A
4



STANTON AVE. DETOUR
SCALE: 1"=50'



- Lighting Notes**
- 12' to 16' double luminaire mast arms mounted 30' above pavement.
 - Luminaire may be suspended or bracket mounted 30' above pavement.
 - Luminaire shall be 400 Watt, 20,000 Lumen Mercury Vapor Lamps.
- General Notes**
- Portions of detour outside exist pavement shall be paved with 3" P.M.S. over 6" Untreated Base.
 - Left-turn movements to & from Catherine Ave. shall be prohibited during the construction in Stanton Ave.

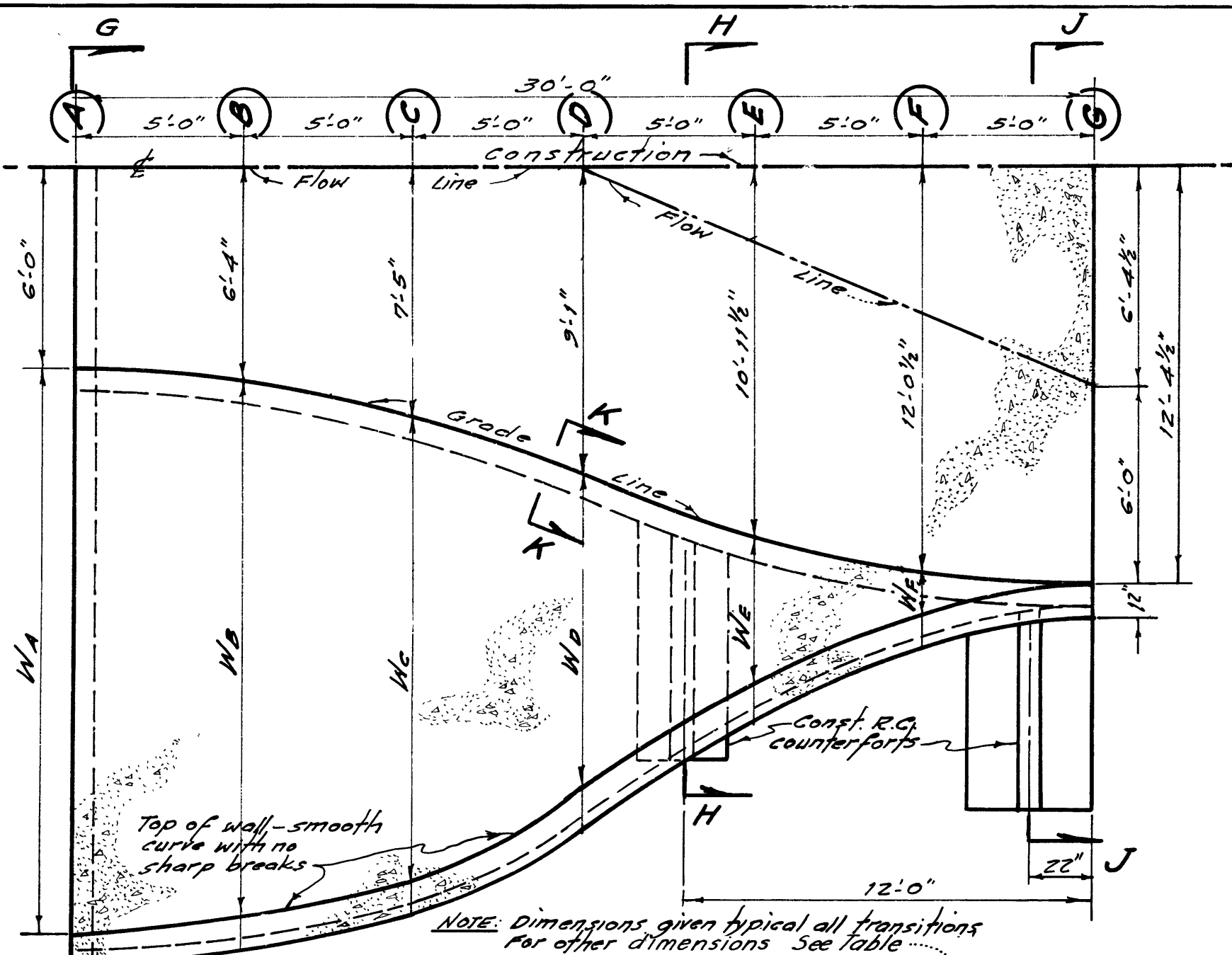


Location	a	b	c	d
Lampson Ave.	05 33'-1"	12'-6"	3'-9"	14'-0"
Stanton Ave.	05 18'-3 1/4"	12'-6"	3'-6"	12'-6"
Chapman Ave.	05 32'-10 1/2"	10'-1 1/2"	2'-0"	11'-8"
Dale Street	05 00'-0"	12'-6"	1'-3"	11'-8"
	05 18'-8"	10'-1 1/2"	1'-6"	12'-0"

Note: U.S. denotes upstream, D.S. denotes downstream.

Note: Invert slab of rect section as shown in Plan B-B, may be placed monolithically with culvert at option of contractor.

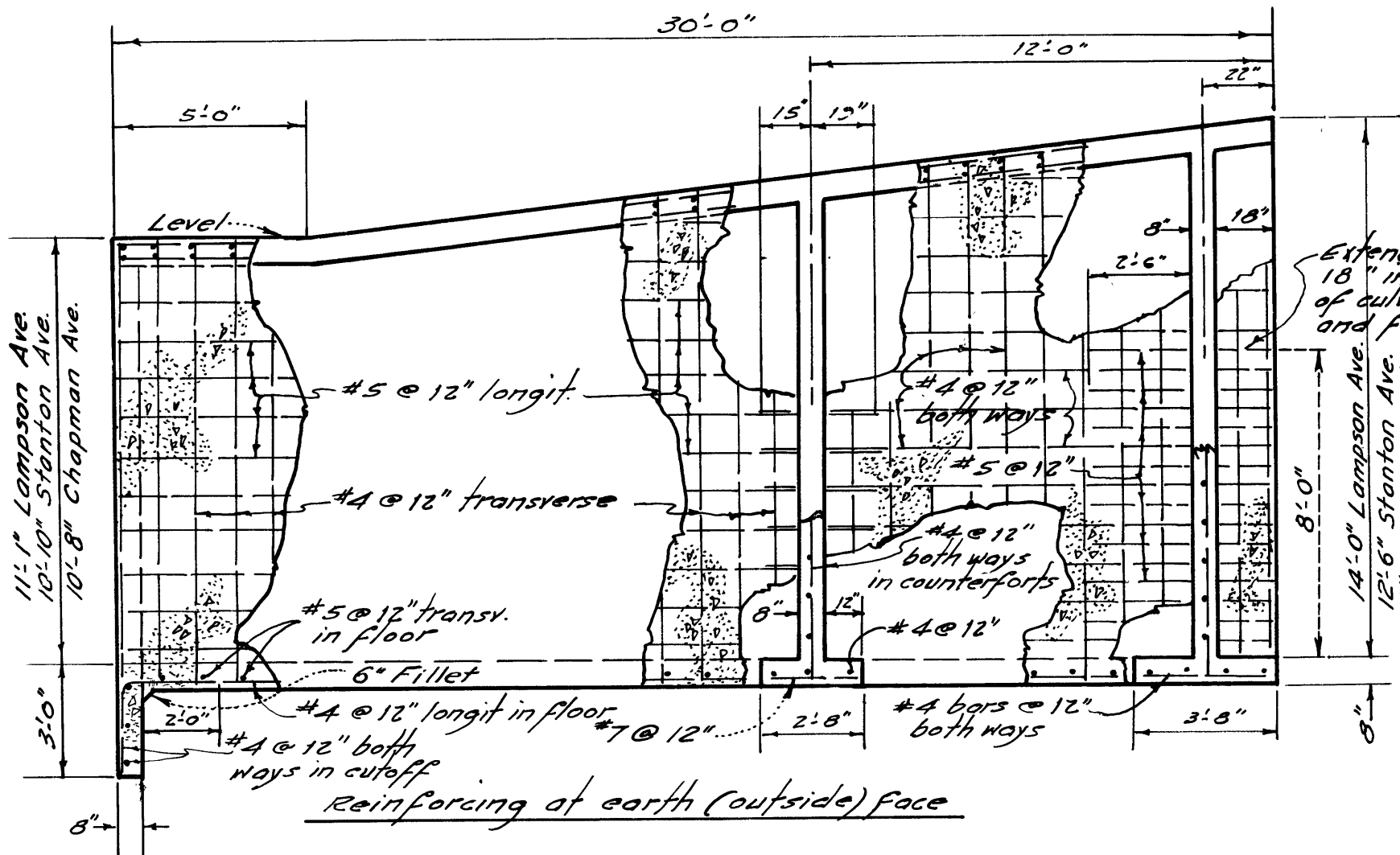
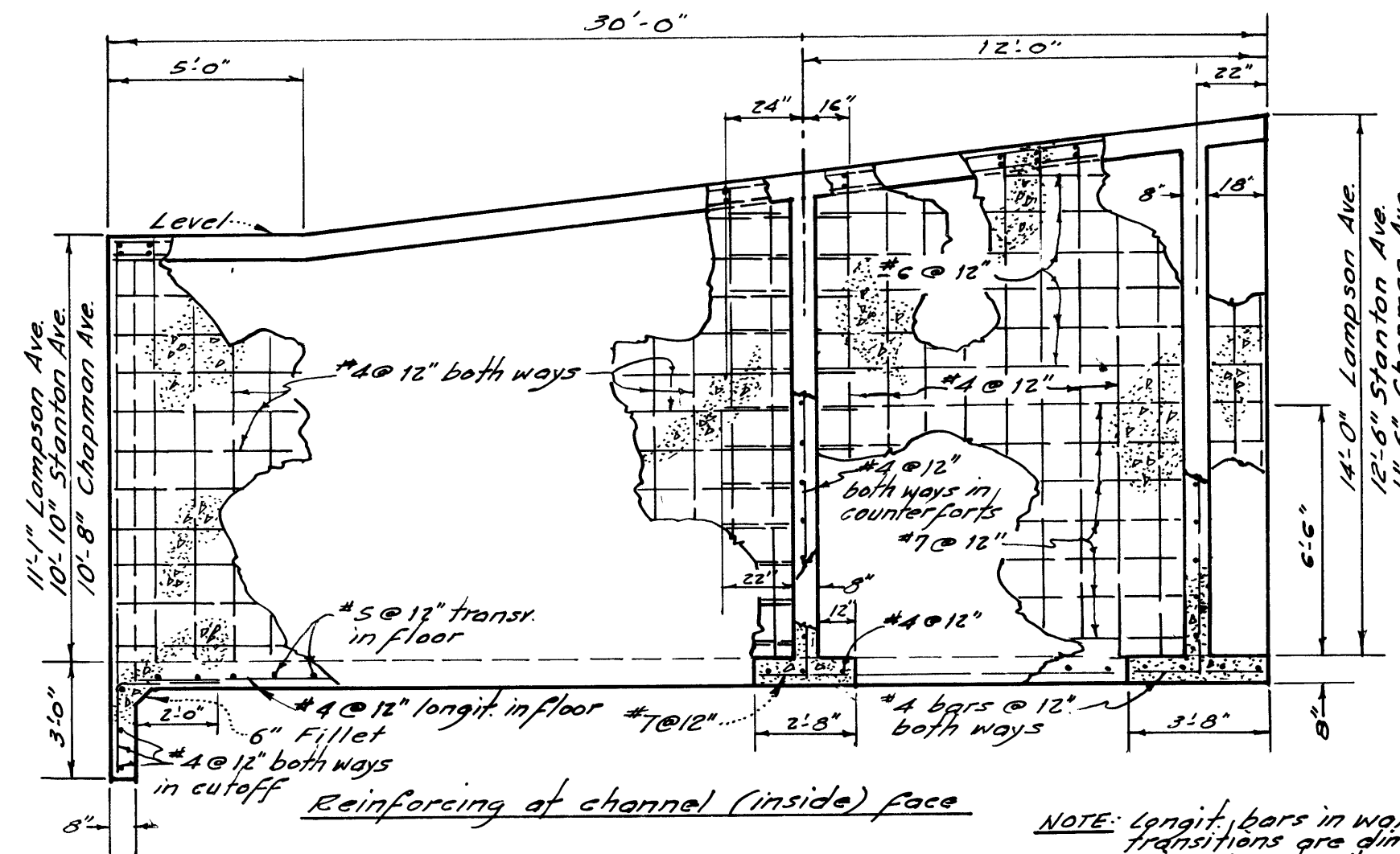
REVISED	REFERENCE	ORANGE COUNTY FLOOD CONTROL DISTRICT
		ANAHEIM - BARBER CITY CHANNEL
		STANTON AVE. DETOUR
		CULVERT DETAILS
DESIGNED H.E.H.	PREPARED N.K.S.	RECOMMENDED J. S. BELL
CHECKED O.M.S. & J.P. McG.	SUBMITTED J.W. Johnson	DESIGN DIVISION ENGINEER
	DATE	DEC. 1957 DWG NO. C03-101-3-A



HALF PLAN - R.C. TRANSITION

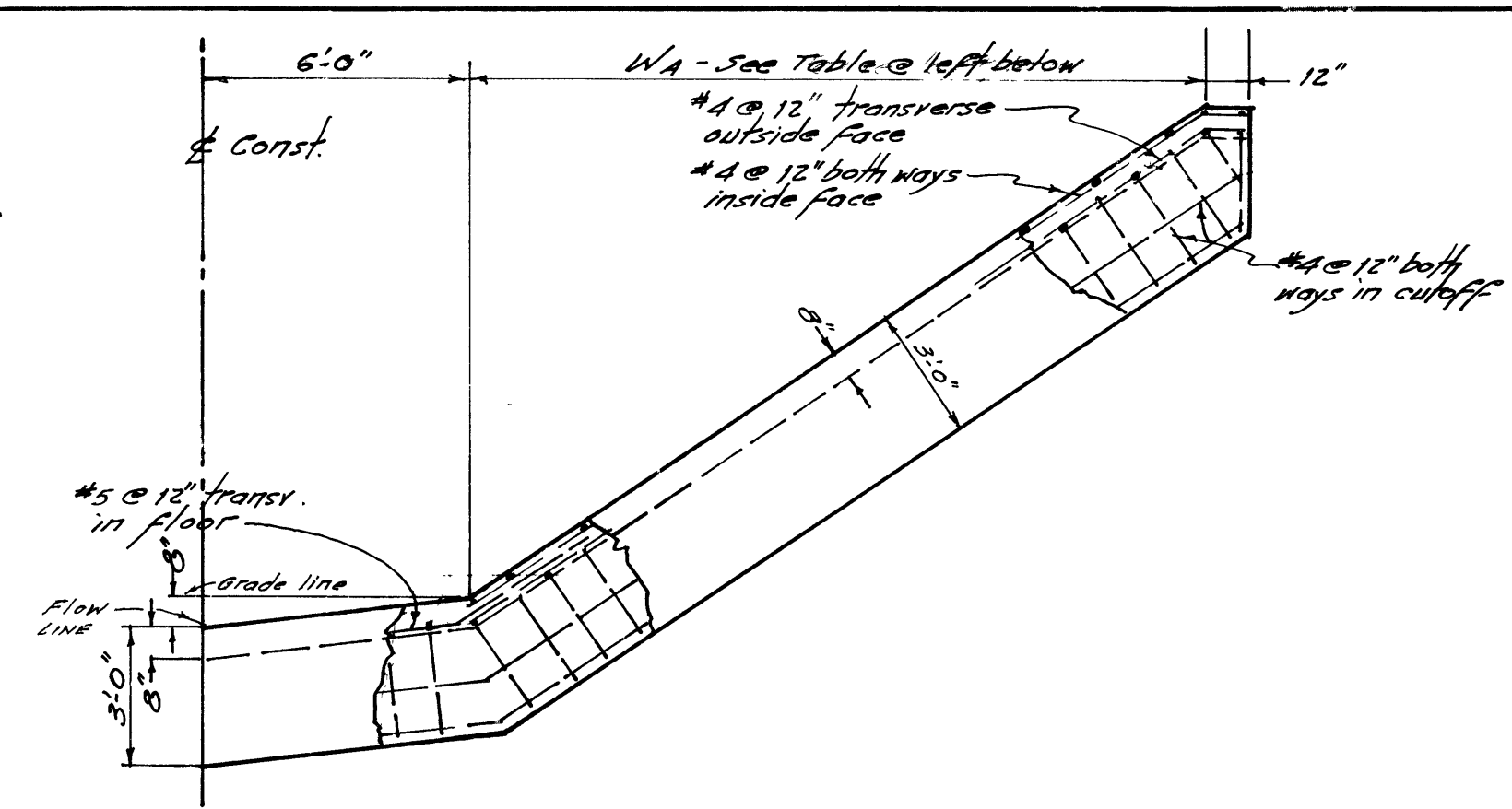
TYPICAL FOR LAMPSON AVE. D.S. & U.S. except as indicated
STANTON AVE. D.S. & U.S. otherwise indicated
CHAPMAN AVE. D.S. only

LOCATION	W _A	W _B	W _C	W _D	W _E	W _F
LAMPSON AVE.	16' 7 1/2"	15' 0 1/2"	13' 7 1/2"	5' 2"	4' 3 1/2"	13' 1/2"
STANTON AVE.	16' 3"	15' 4"	13' 0"	8' 7 1/2"	3' 11 1/2"	12"
CHAPMAN AVE.	16' 0"	15' 1 1/2"	12' 7 1/2"	8' 3"	3' 8 1/2"	11"



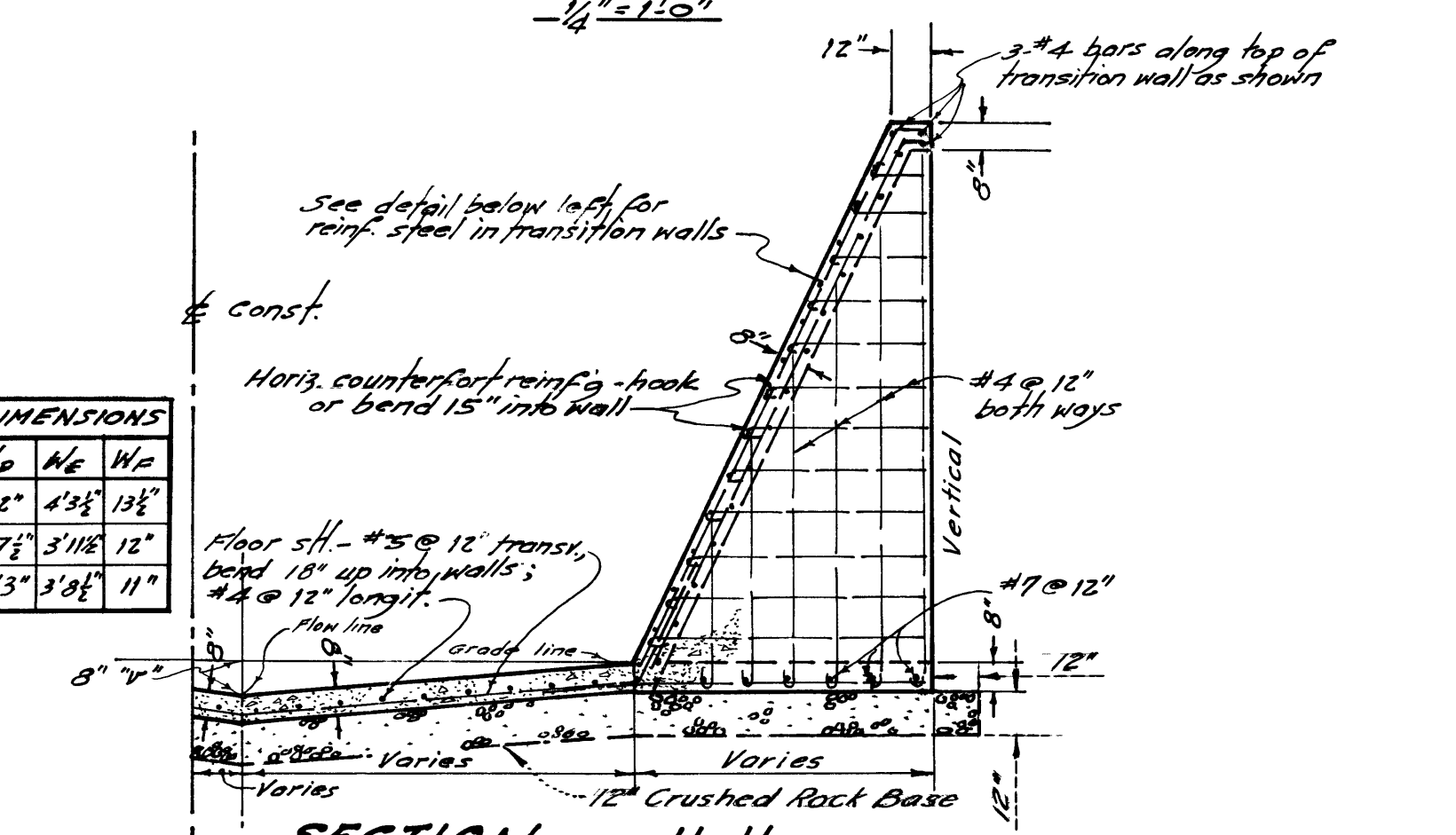
ELEVATION - TRANSITION WALL LOOKING TO & CONST.

1/4" = 1'-0"



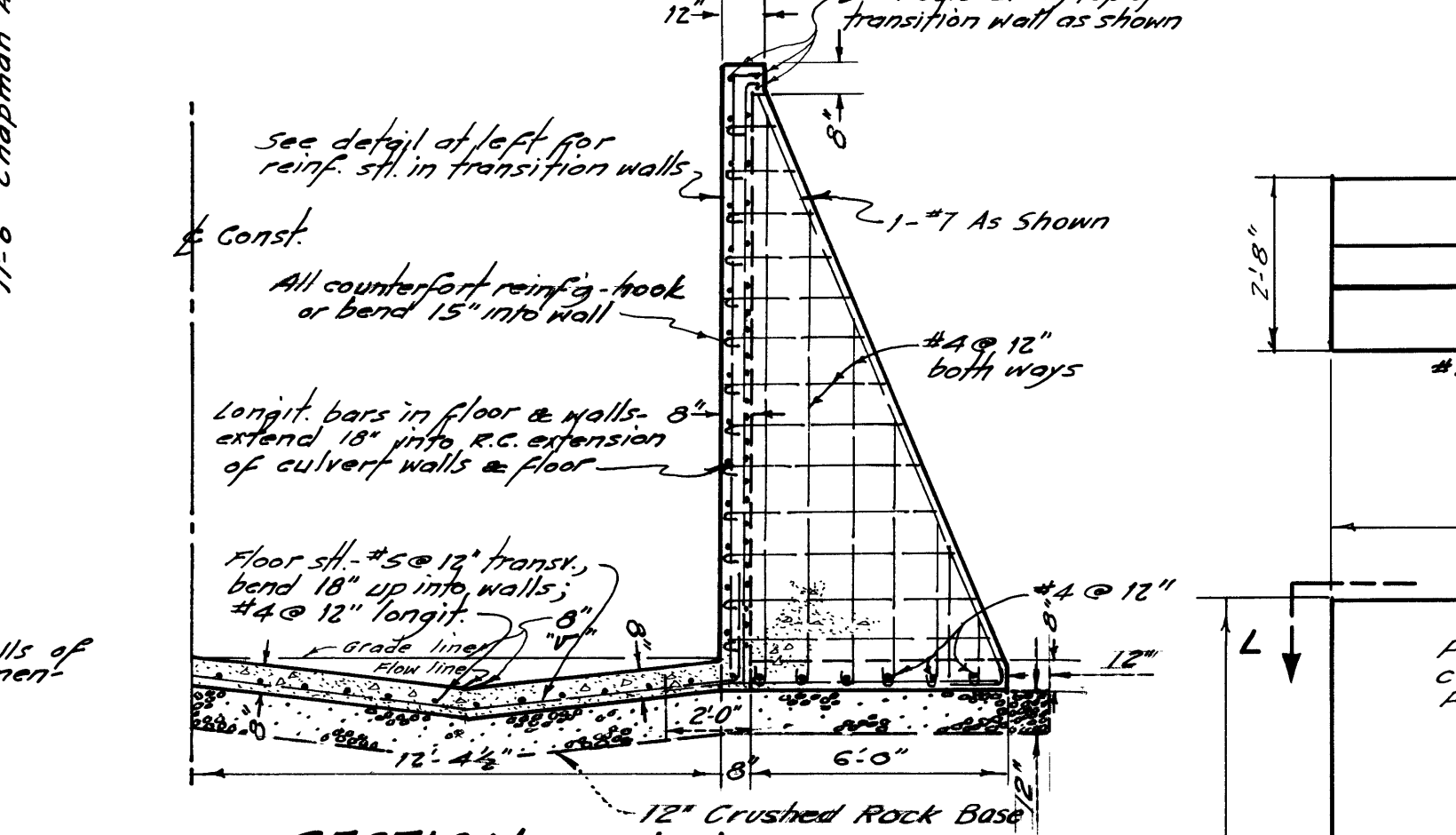
SECTION G-G

1/4" = 1'-0"



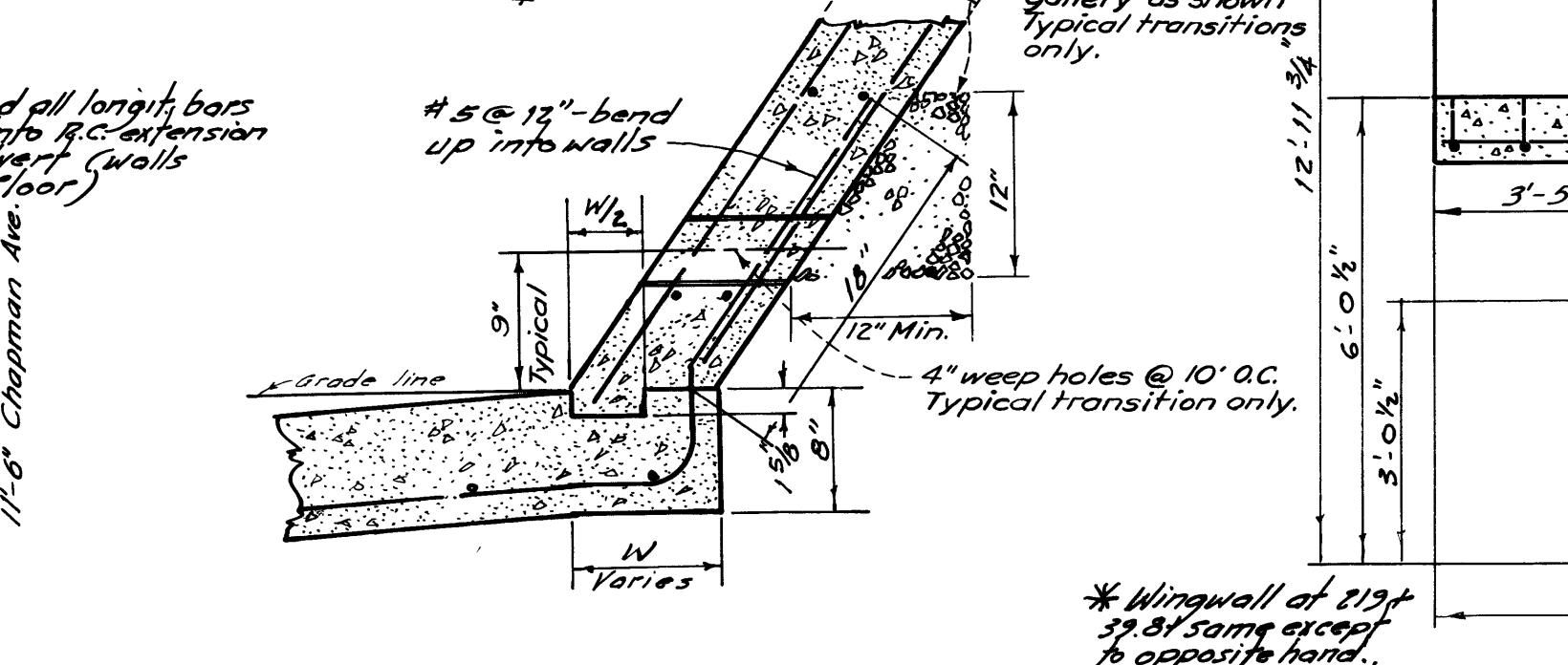
SECTION H-H

1/4" = 1'-0"



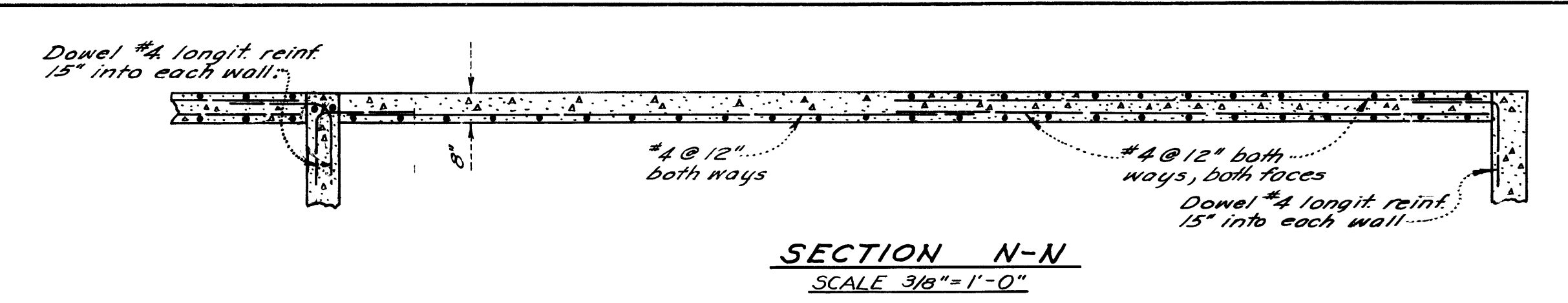
SECTION J-J

1/4" = 1'-0"



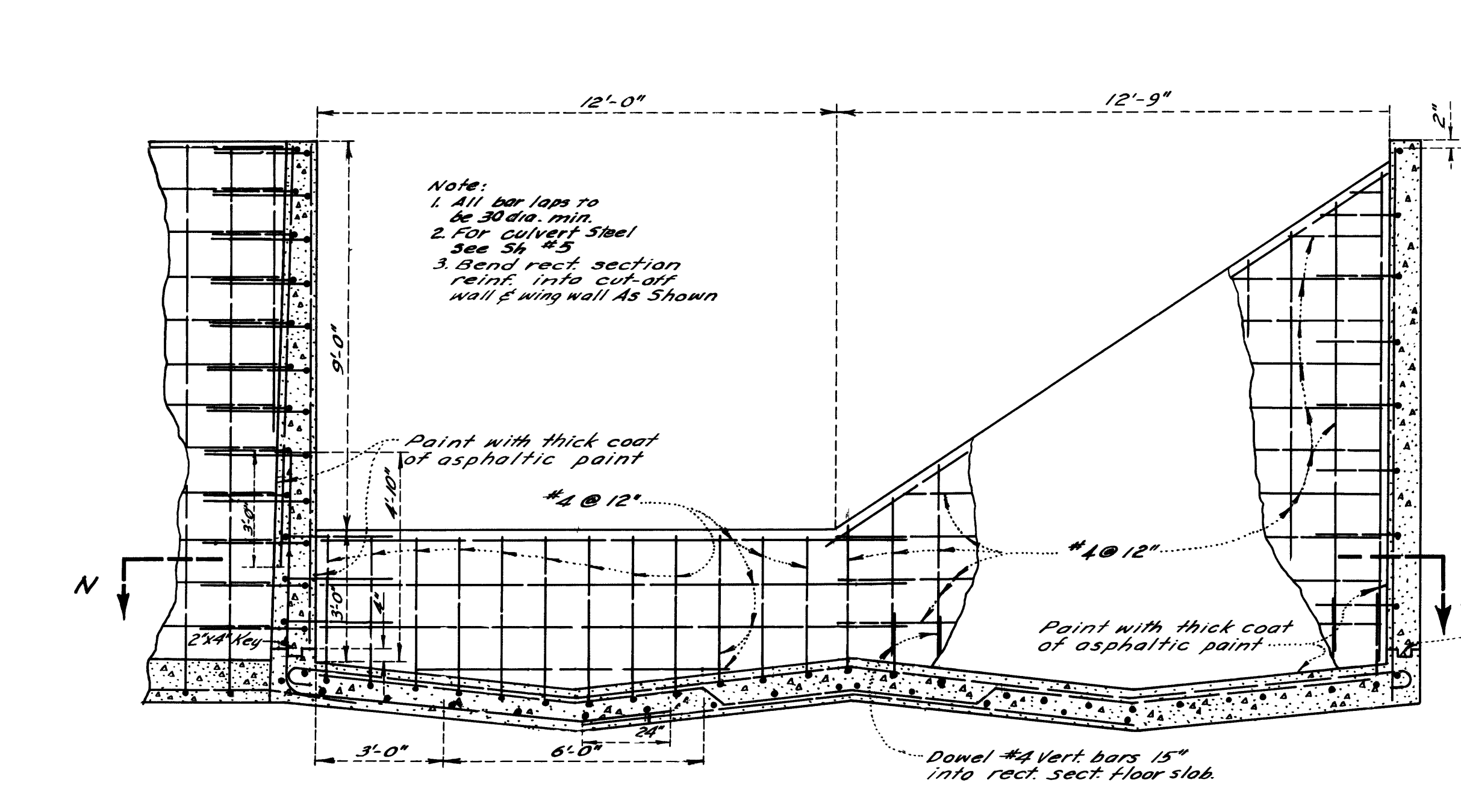
SECTION K-K

1" = 1'-0"



SECTION N-N

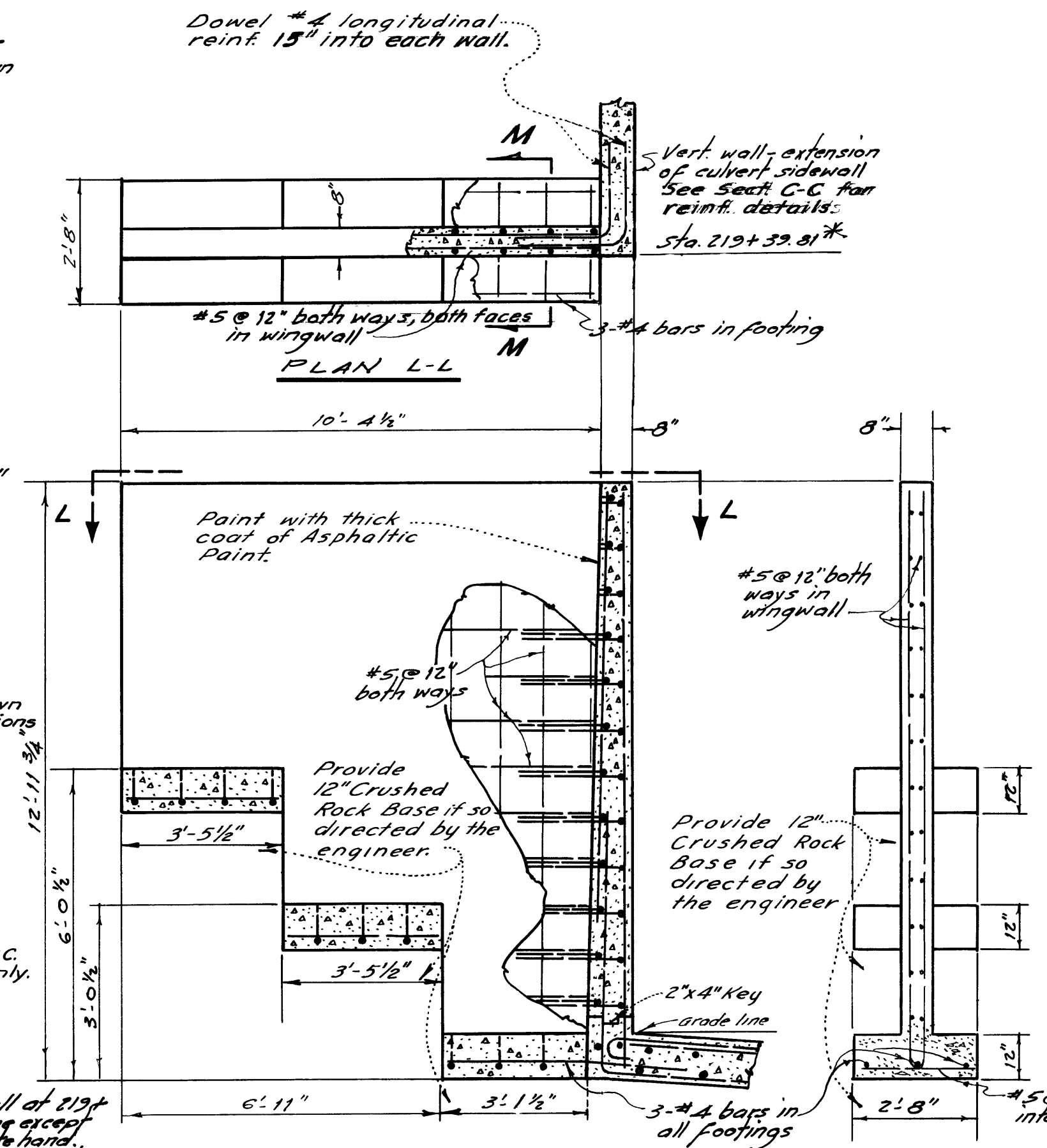
SCALE 3/8" = 1'-0"



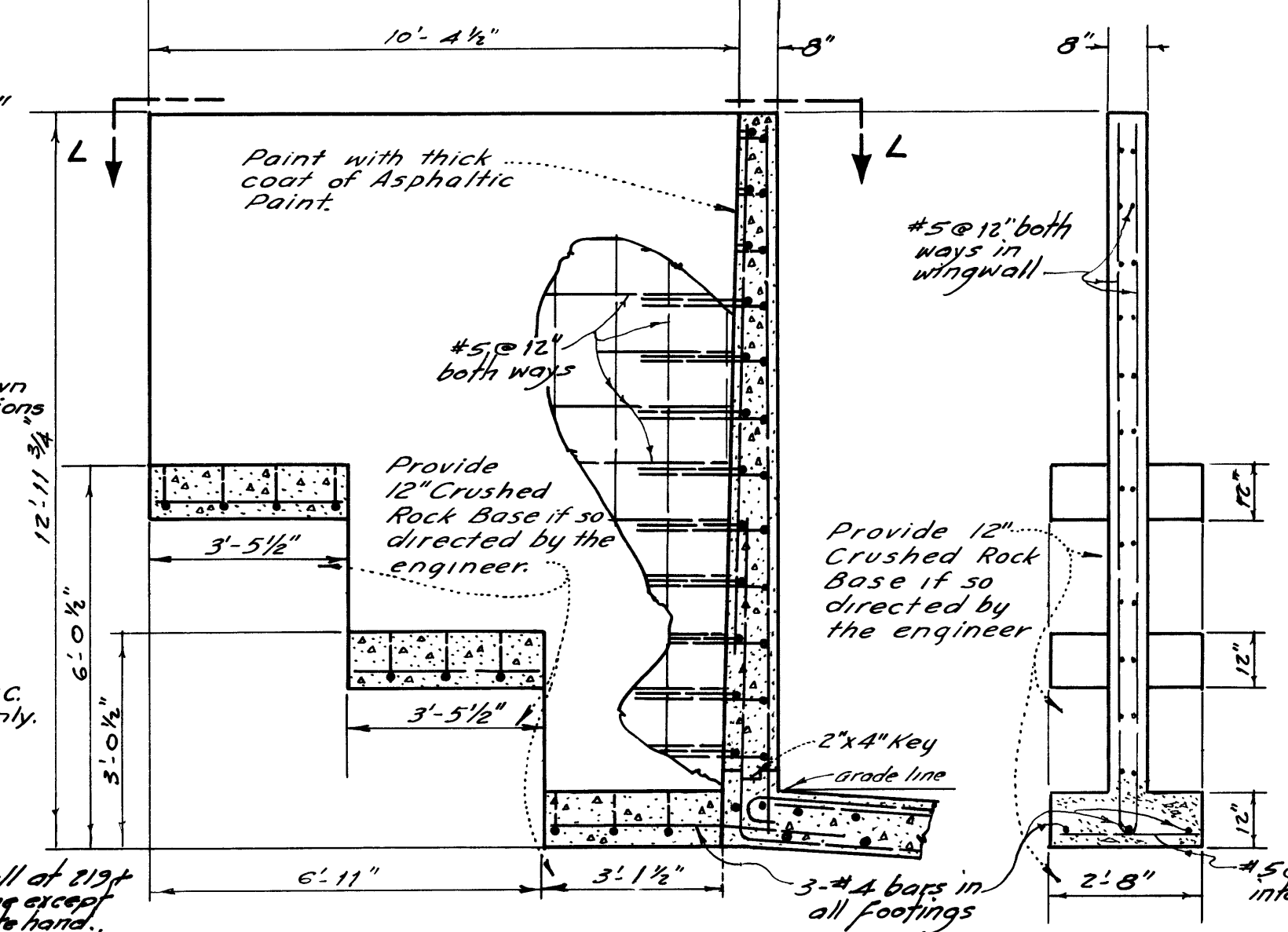
- Note:
1. All bar laps to be 30 dia. min.
 2. For culvert steel see Sht. #5
 3. Bend rect. section reinf. into cut-off wall & wing wall as shown

CUT OFF WALL STA 219+39.81 CHAPMAN AVE.

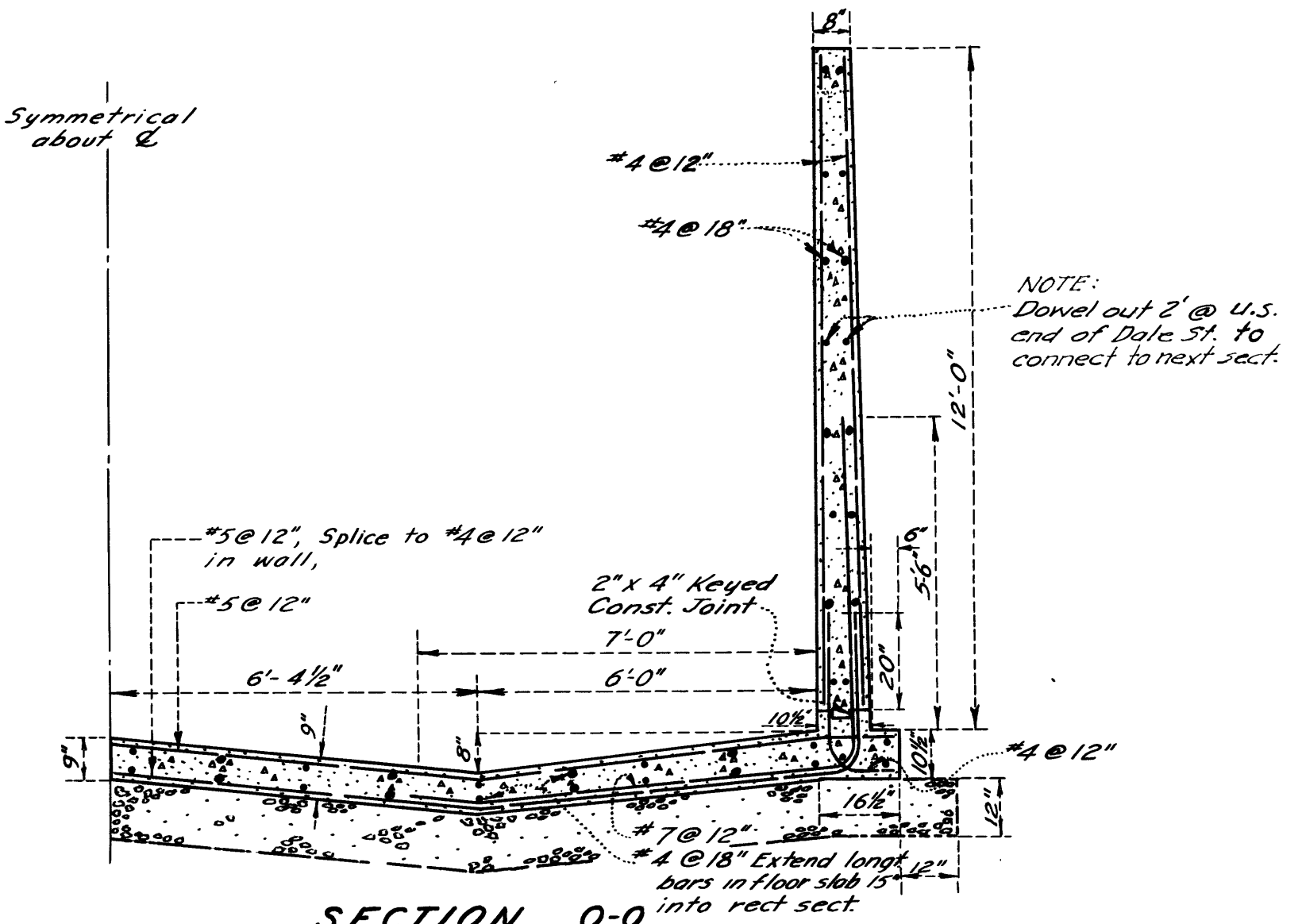
LOOKING UPSTREAM
SCALE 3/8" = 1'-0"



PLAN L-L



SECTION M-M



SECTION O-O

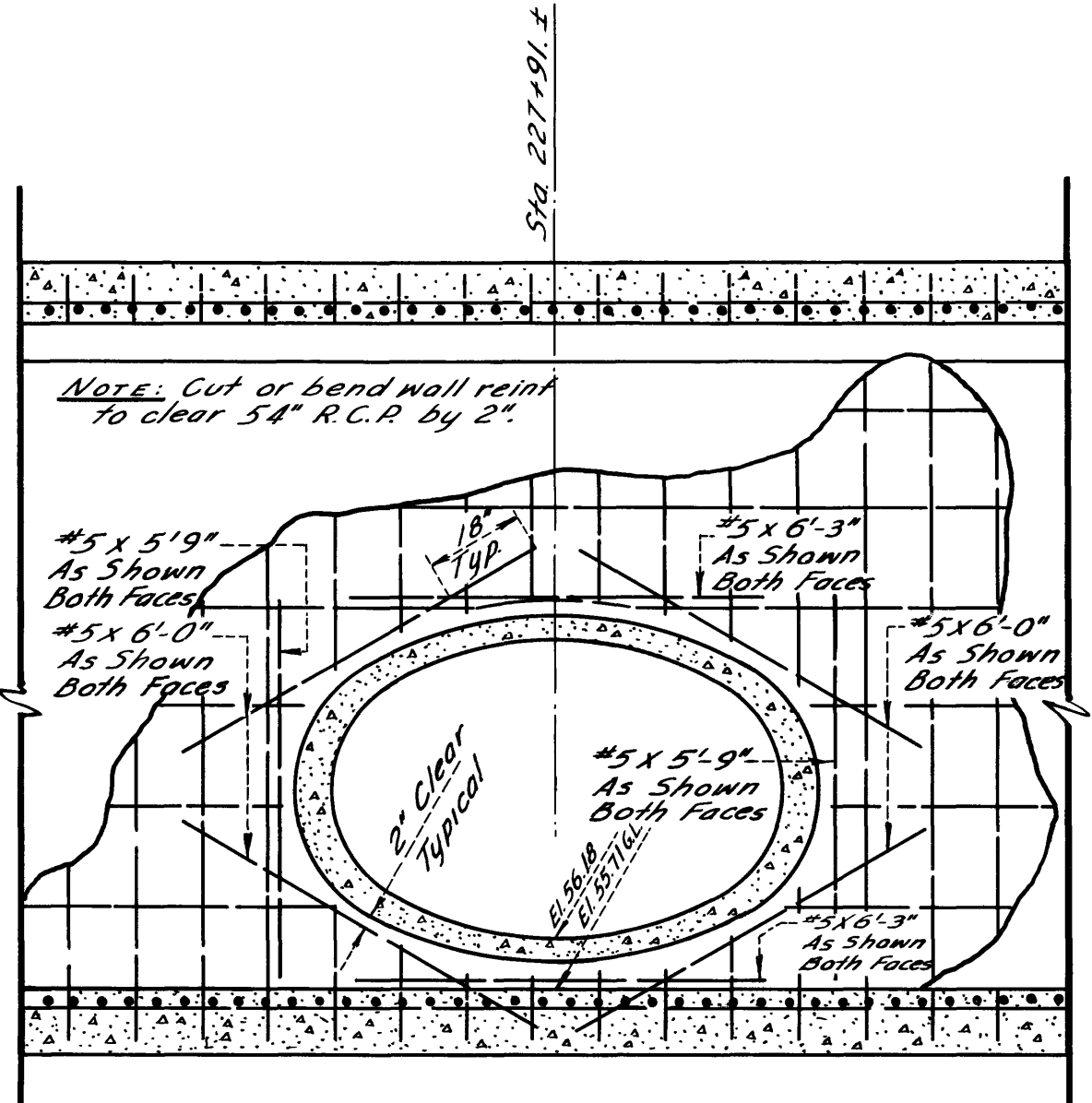
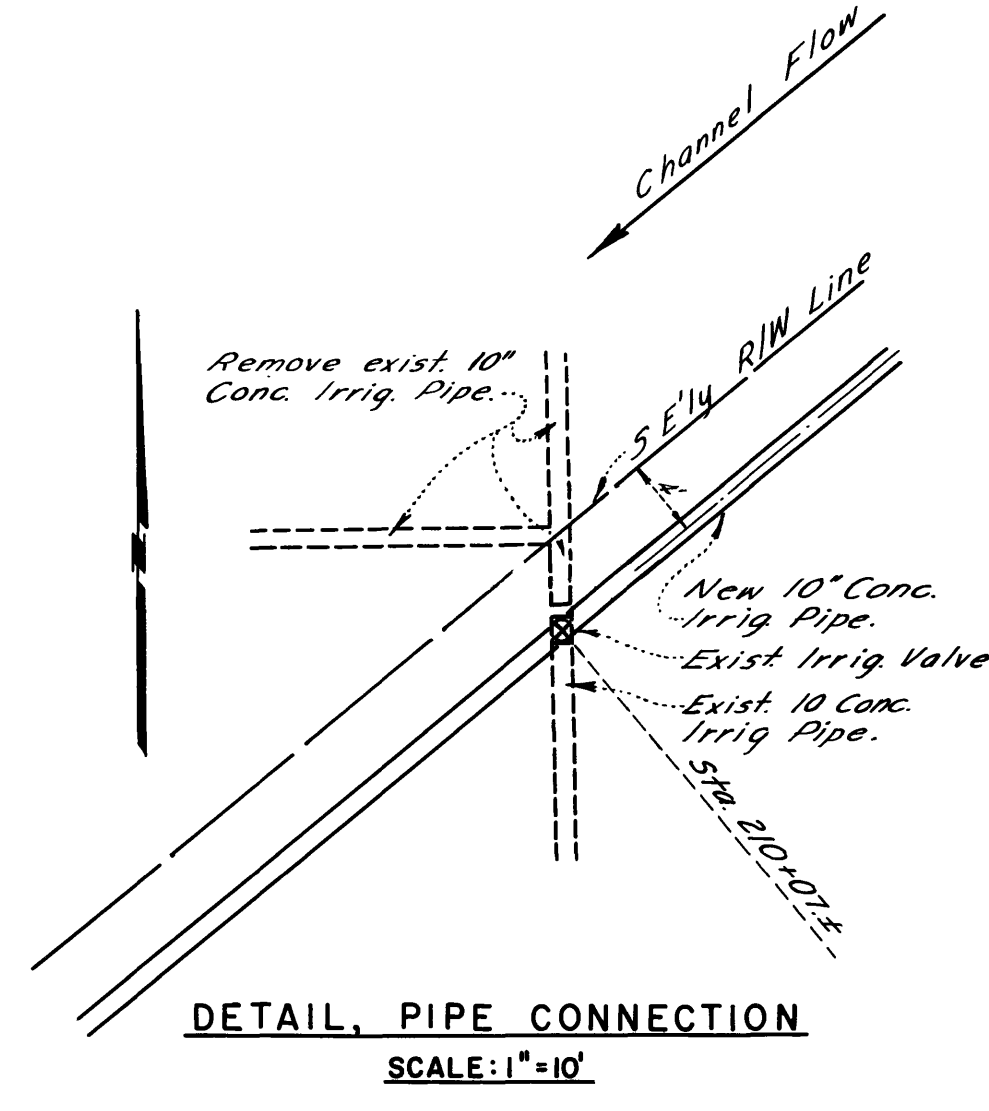
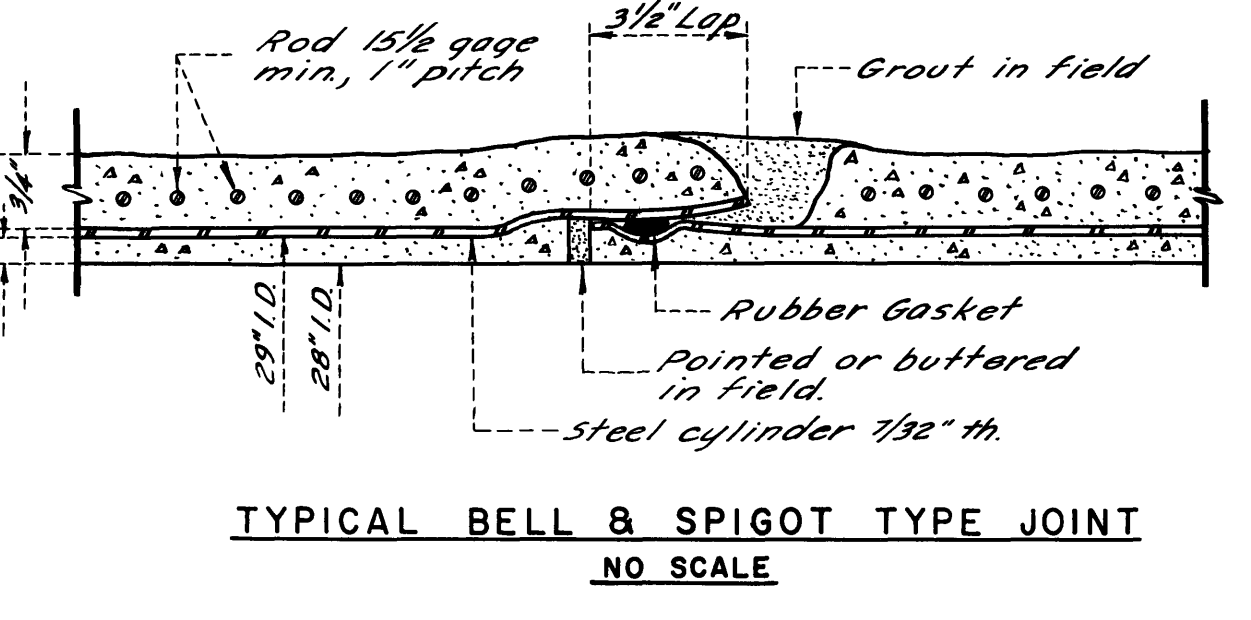
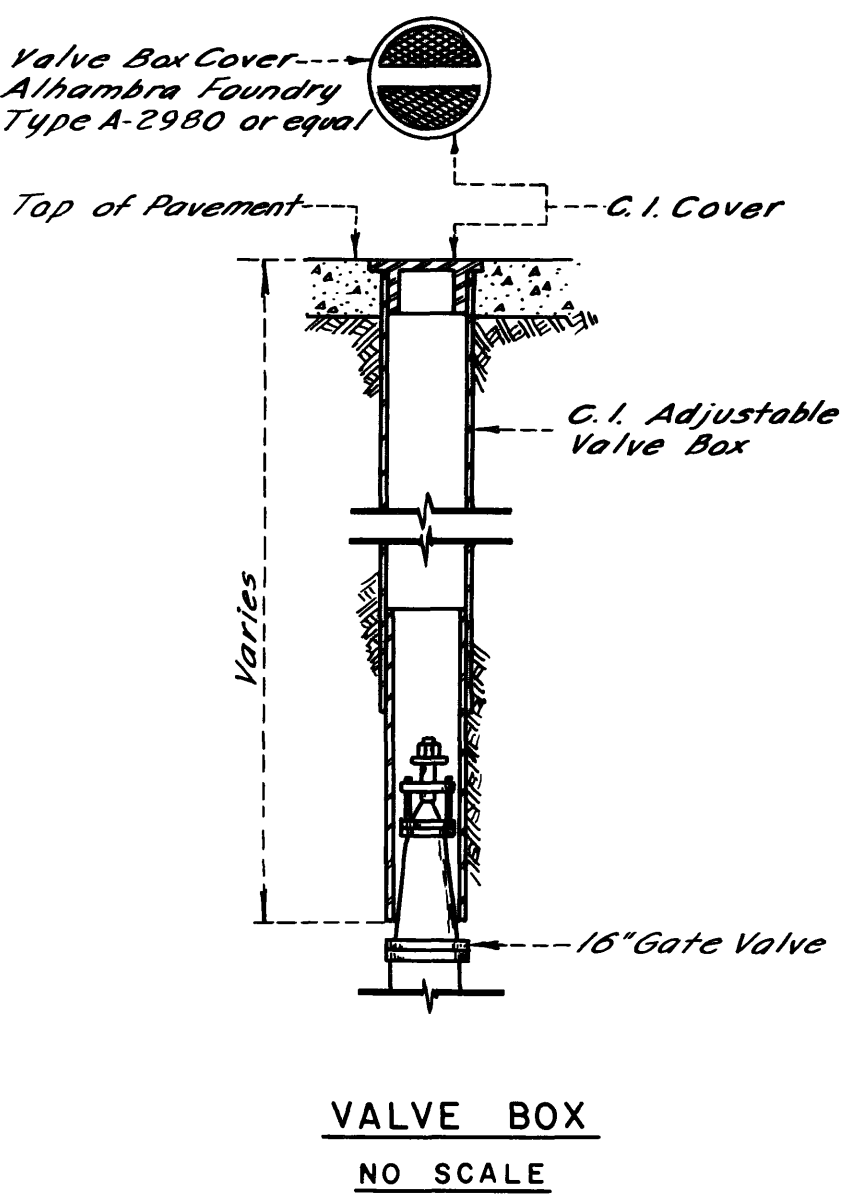
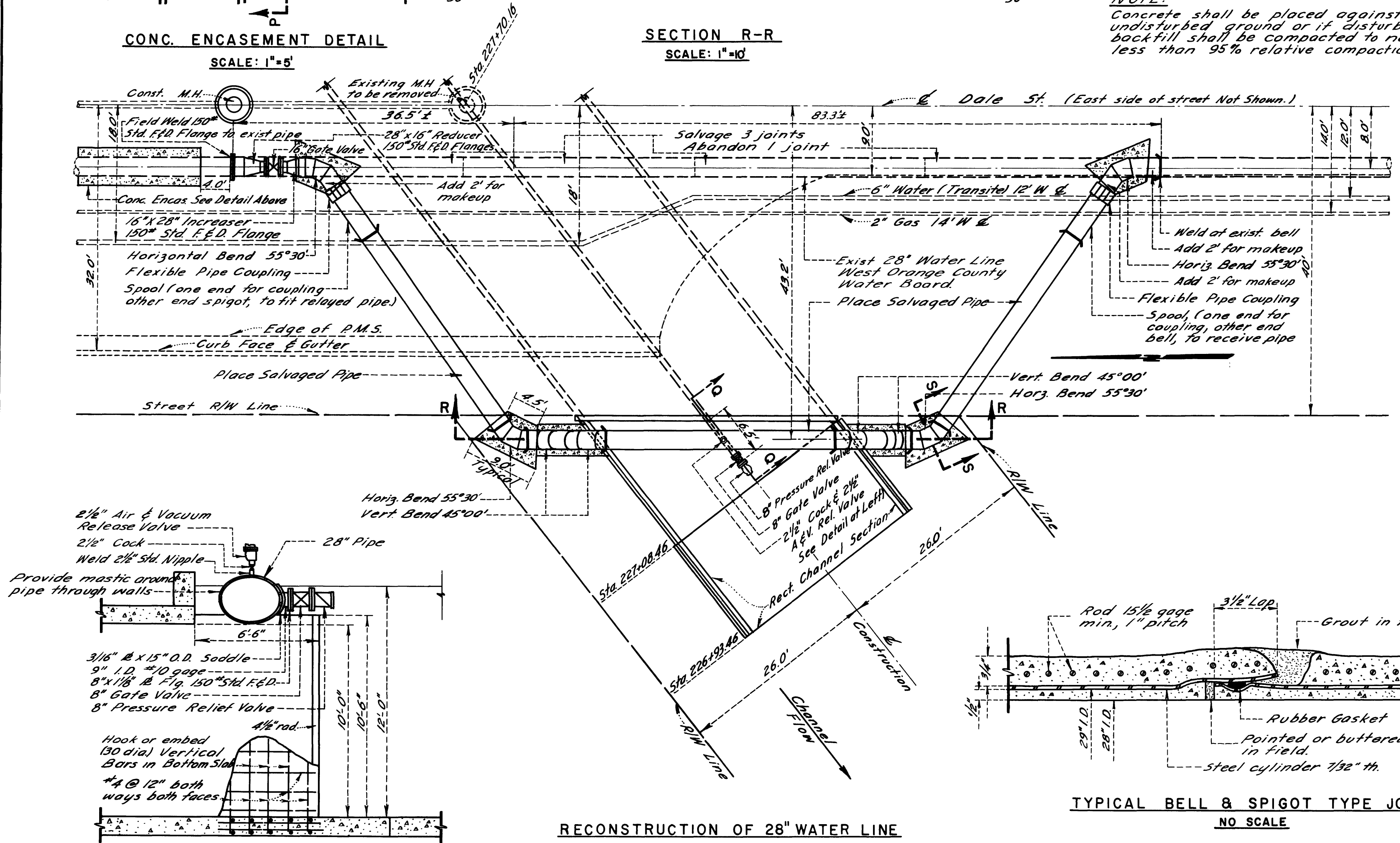
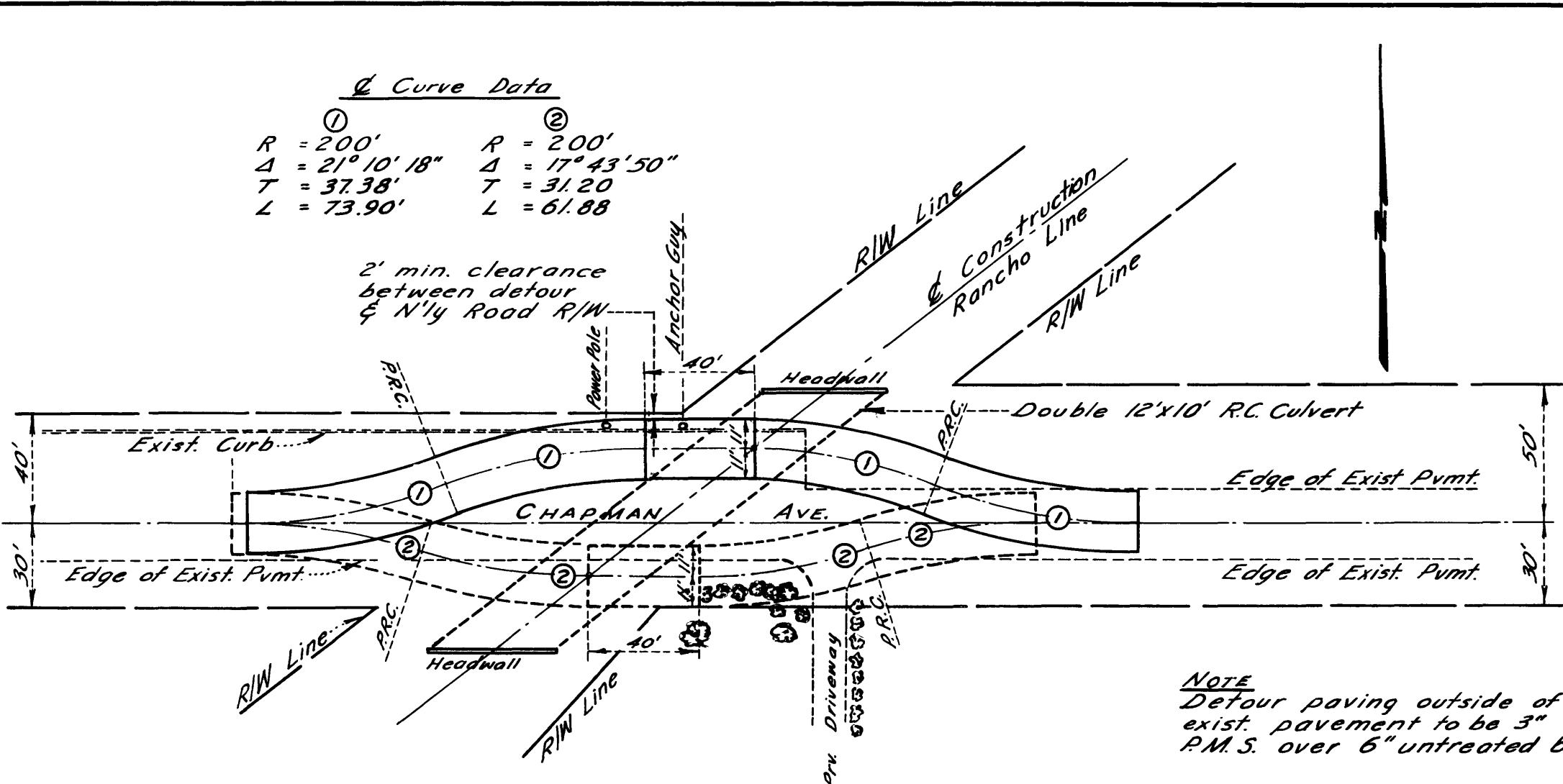
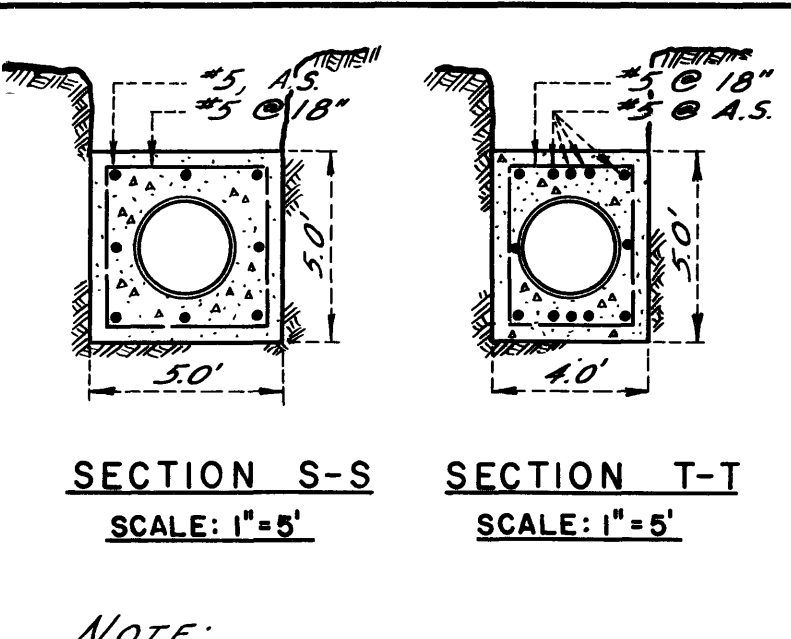
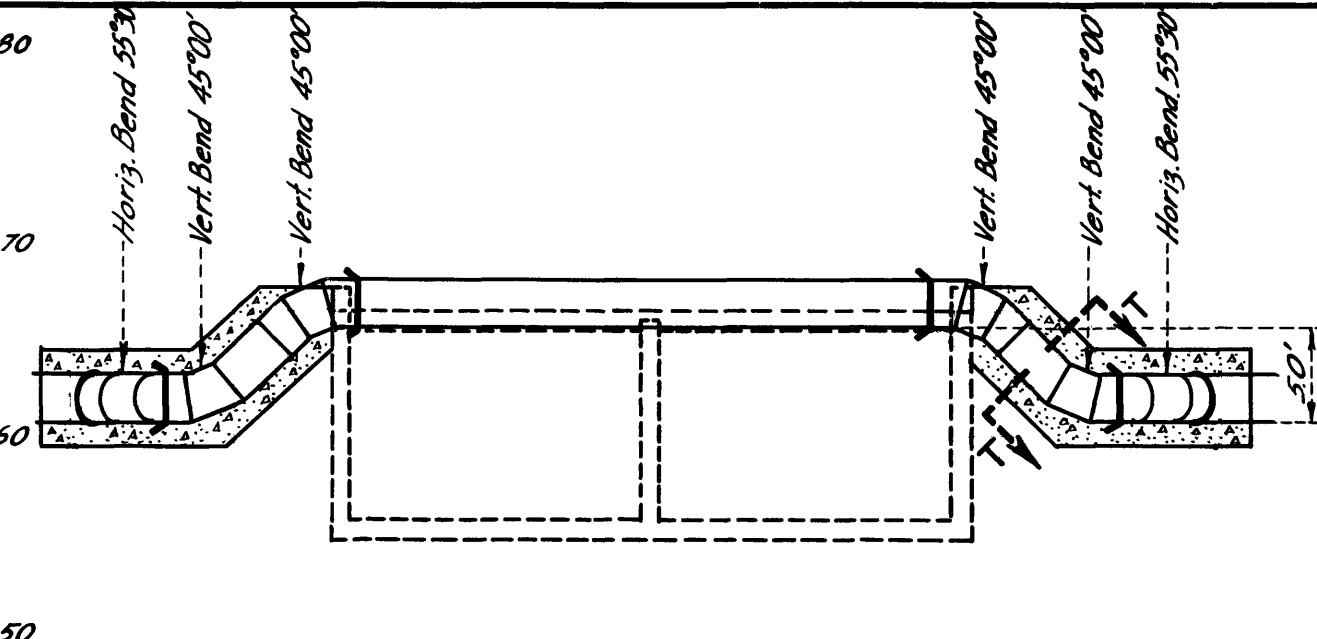
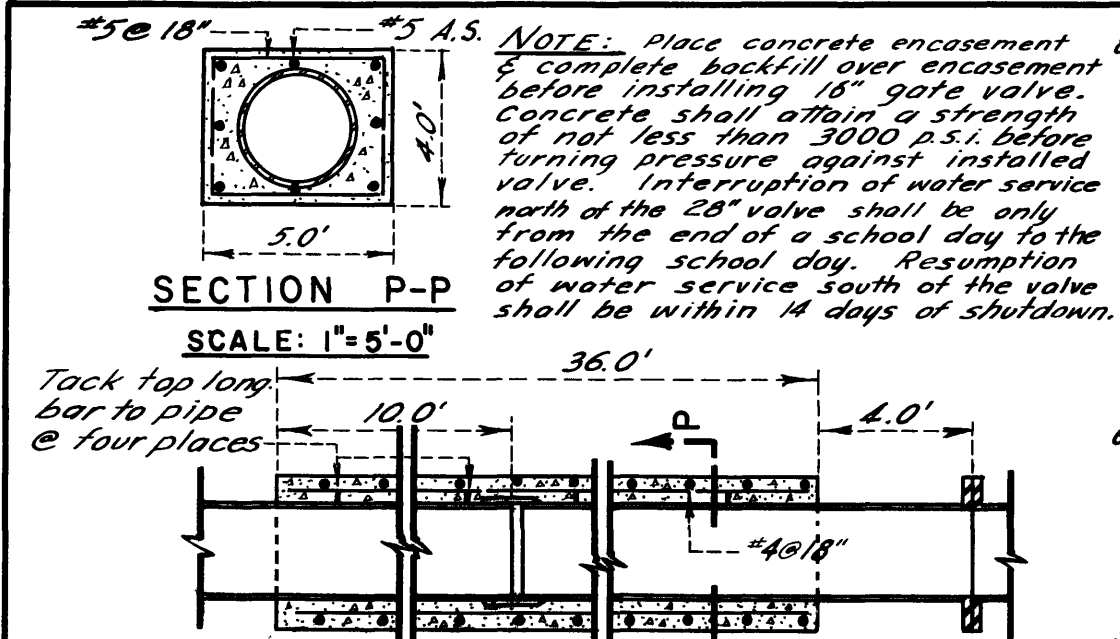
Sta. 226+93.46 to Sta. 227+08.46
Sta. 228+19.23 to Sta. 228+34.23
Scale 3/8" = 1'-0"

ELEVATION Looking Upstream @ Sta. 226+93.46*

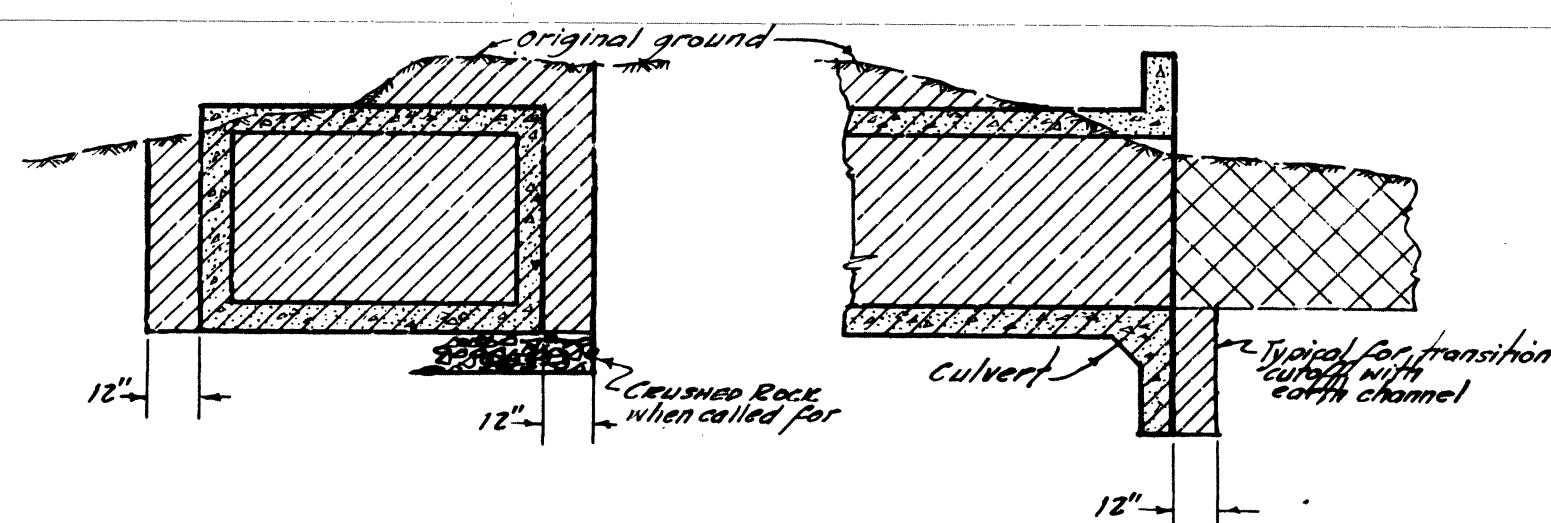
DETAIL - R.C. WINGWALL FOR NLY SIDE OF CHANNEL ONLY @ STA. 219+39.81 (CHAPMAN AVE) & STA. 226+93.46 (DALE AVE)

LOOKING UPSTREAM
SCALE 3/8" = 1'-0"

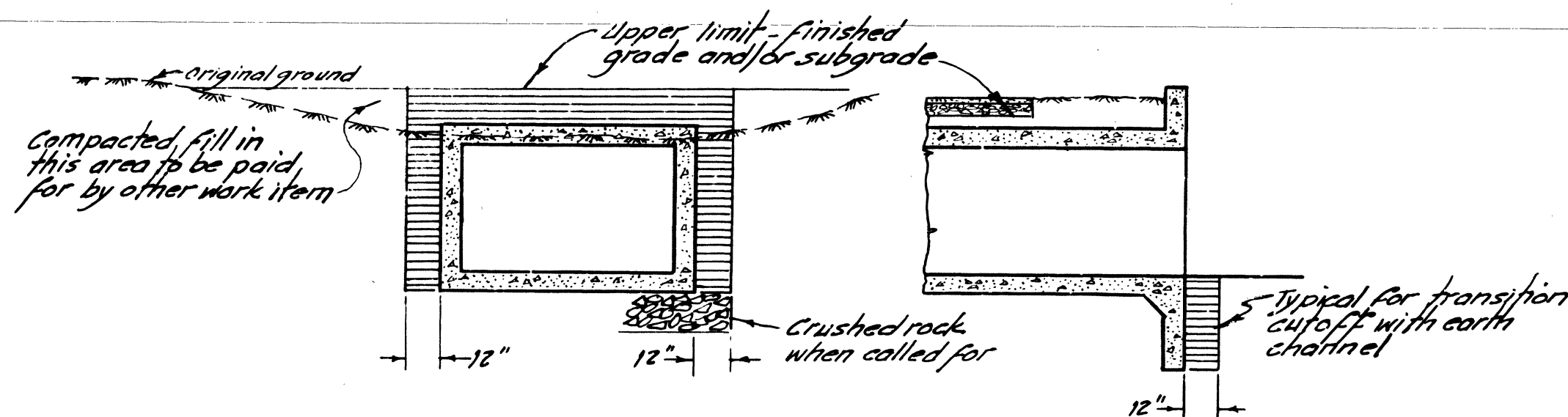
REVISED	REFERENCE	ORANGE COUNTY FLOOD CONTROL DISTRICT
As Built 2-4-59 R.E.M.		
DESIGNED H.E.H.	PREPARED J.P.McG	ANAHEIM - BARBER CITY CHANNEL
CHECKED O.M.S.	SUBMITTED J.P.McG	TRANSITION & CUT-OFF WALL DETAILS
	DESIGN ENGINEER James B. Bell	
	DATE DEC. 1, 1967	DWG. NO. C03-101-3-A



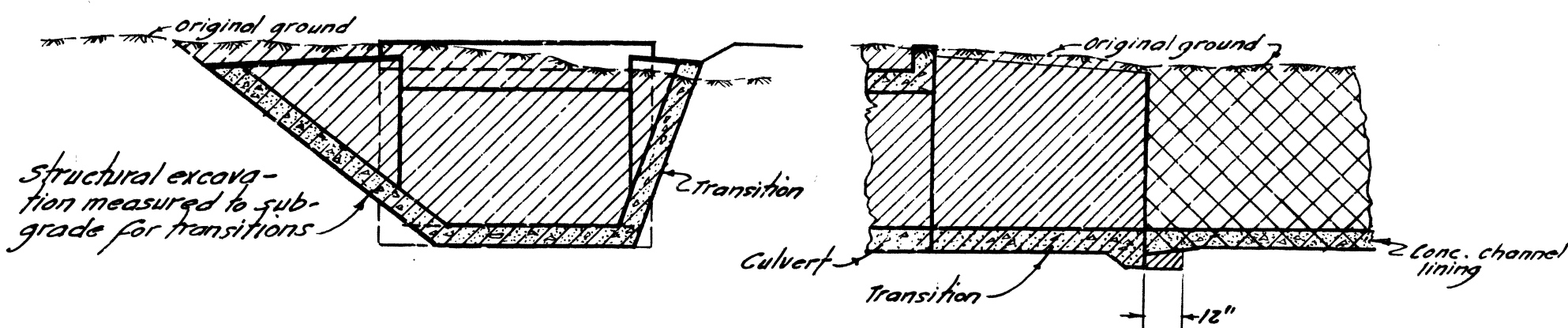
REVISED	REFERENCE	ORANGE COUNTY FLOOD CONTROL DISTRICT
		ANAHEIM - BARBER CITY CHANNEL
		PIPE LINE RECONSTRUCTION
		DETOUR & MISC. DETAILS
DESIGNED H.E.H.	PREPARED N.K.S.	RECOMMENDED Dennis G. Bell
CHECKED O.M.S.	SUBMITTED W. J. [Signature]	DESIGN DIVISION ENGINEER
		DATE: DEC., 1957
		DWG. NO. C03-101-3-A



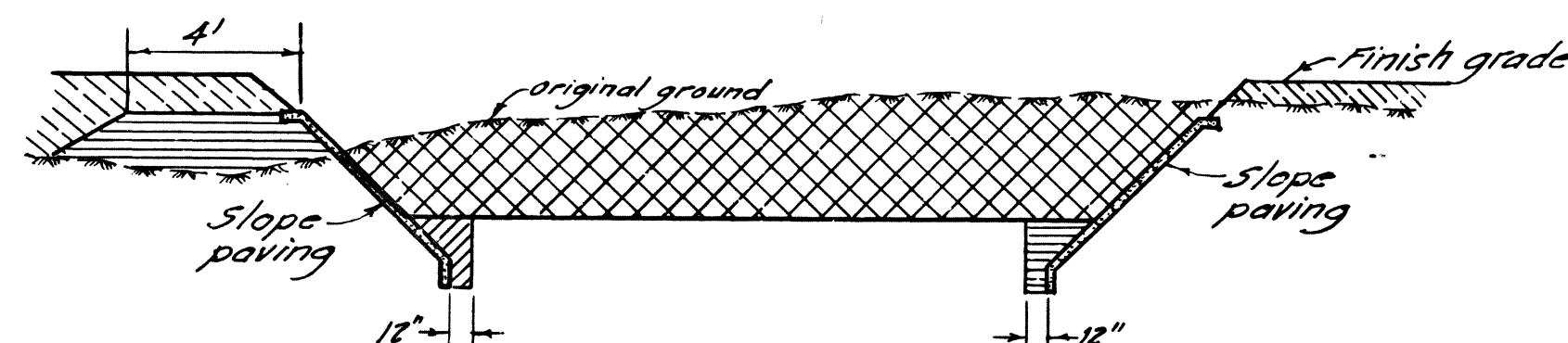
BOX CULVERTS



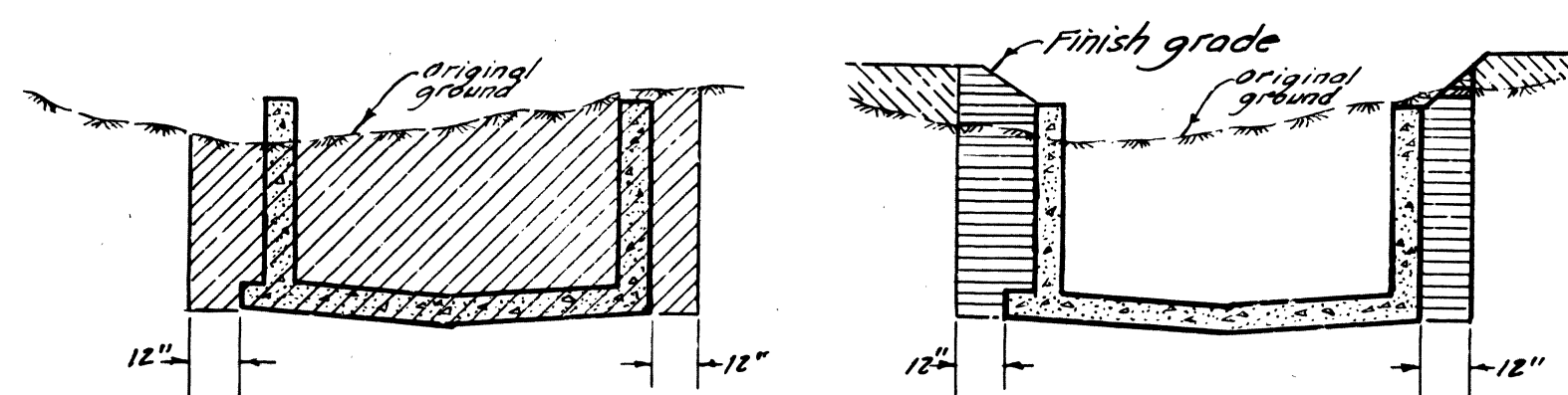
BOX CULVERTS



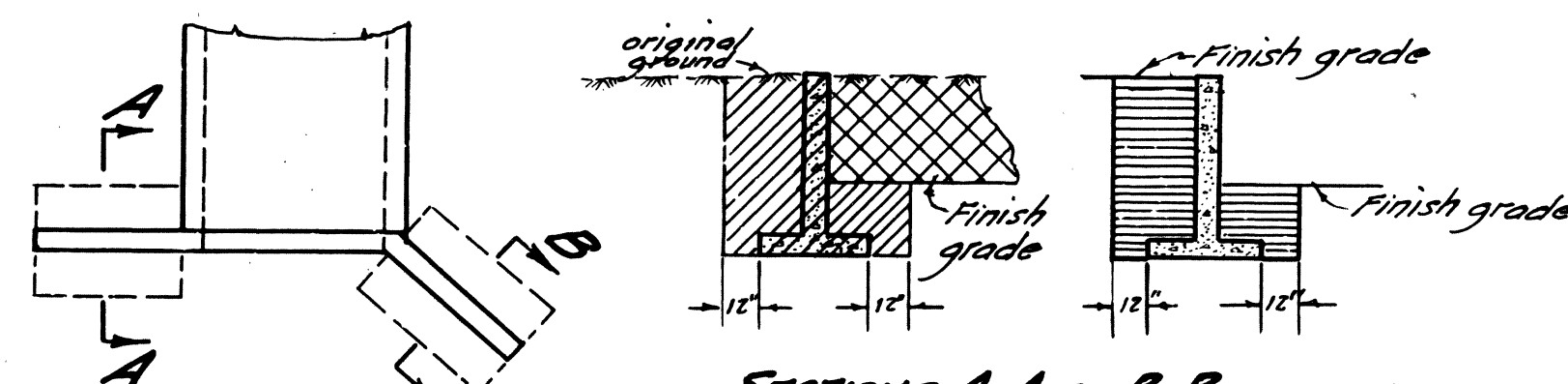
TRANSITIONS



SLOPE PAVING

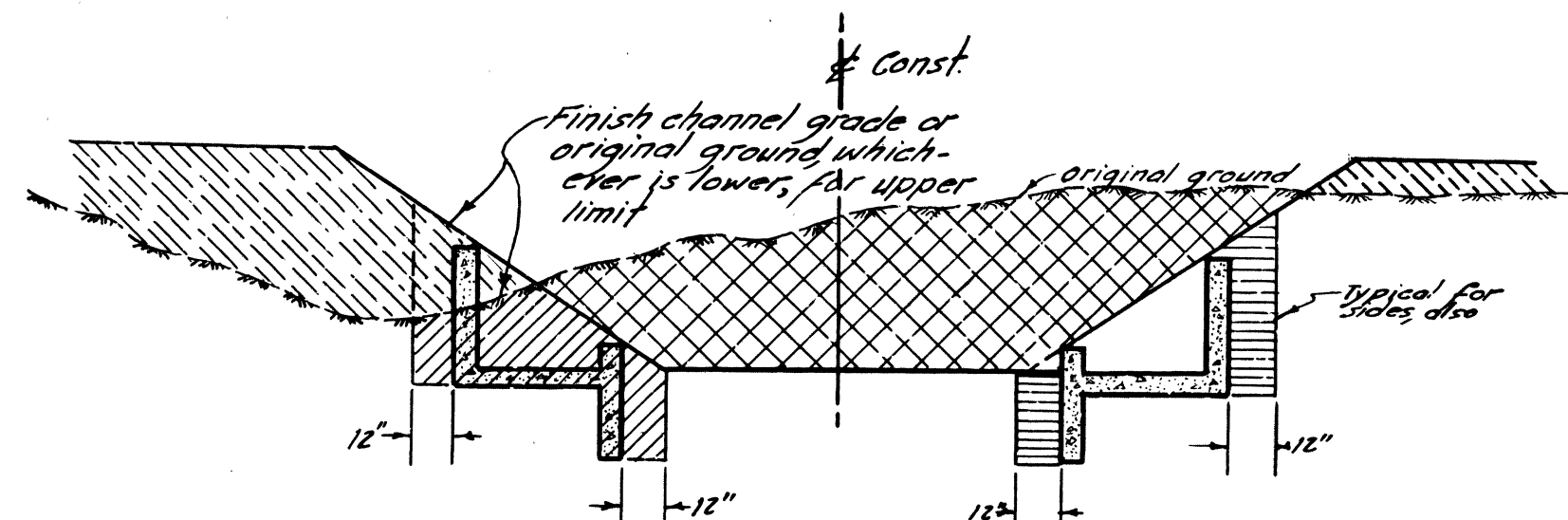


RECTANGULAR R.C. CHANNELS

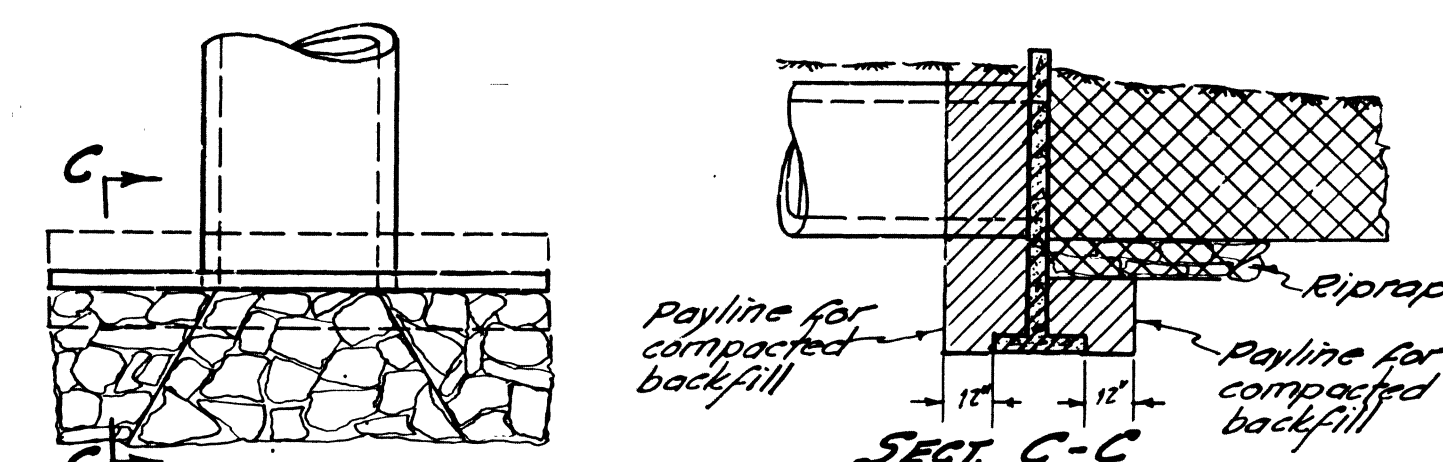


SECTIONS A-A & B-B

PLAN - R.C. WINGWALLS

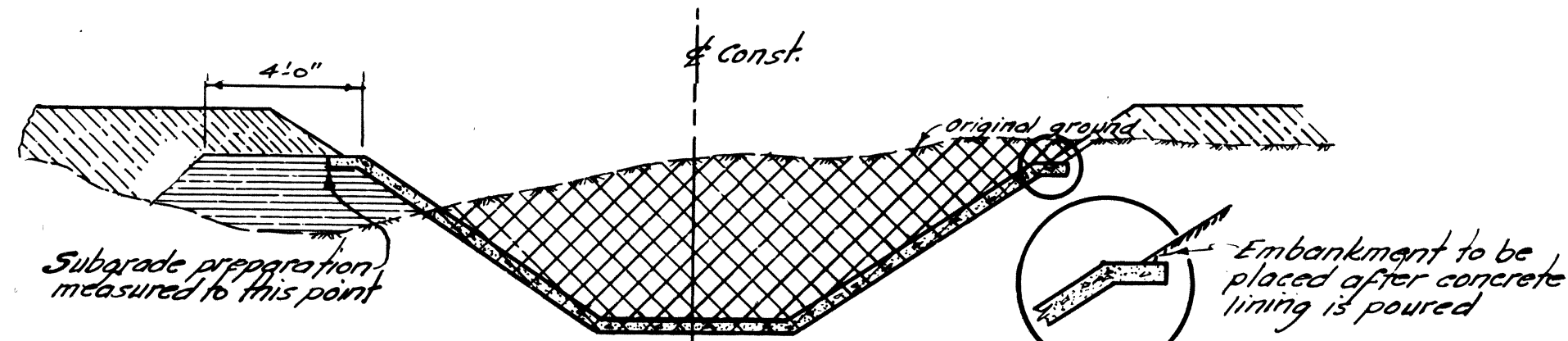


INLET STRUCTURES

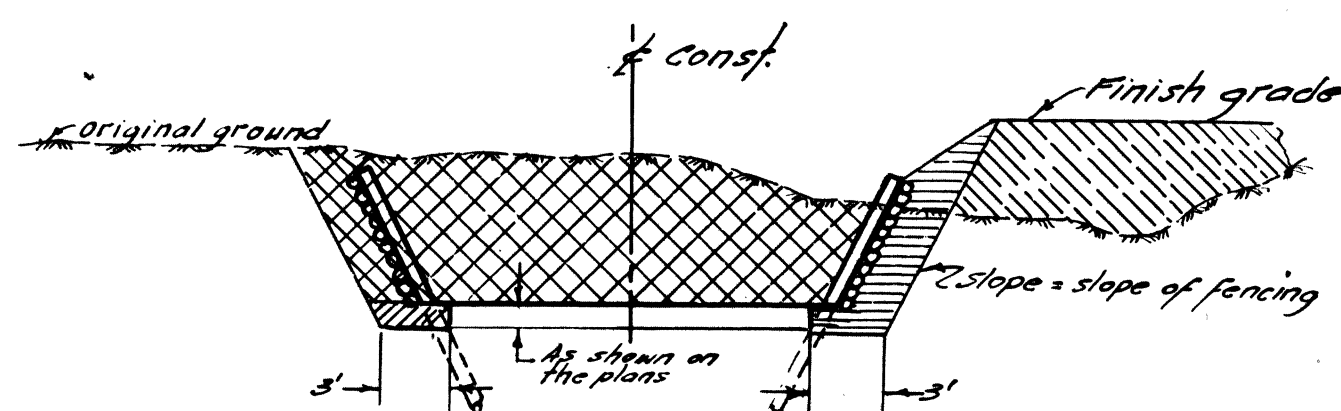


PLAN - PIPE HEADWALL WITH RIPRAP

SECT. C-C



CONCRETE LINED CHANNELS



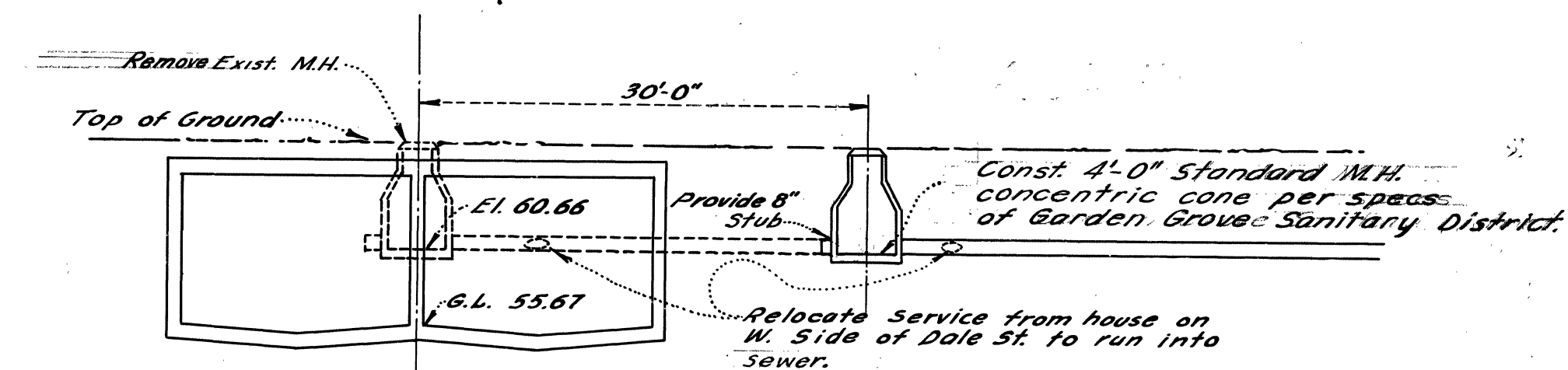
PIPE WIRE & REED PROTECTION FENCING

EXCAVATION PAY QUANTITIES

EXCAVATION LEGEND:

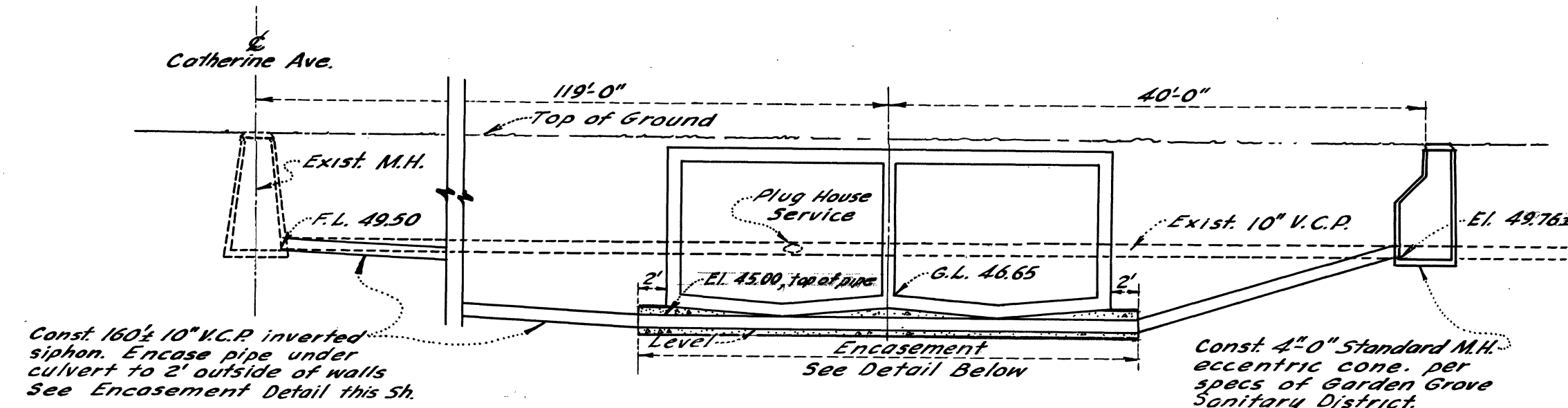
- channel excavation
- structural excavation
- compacted backfill
- embankment

Note: Subgrade preparation for conc. lining will be paid for under separate pay item



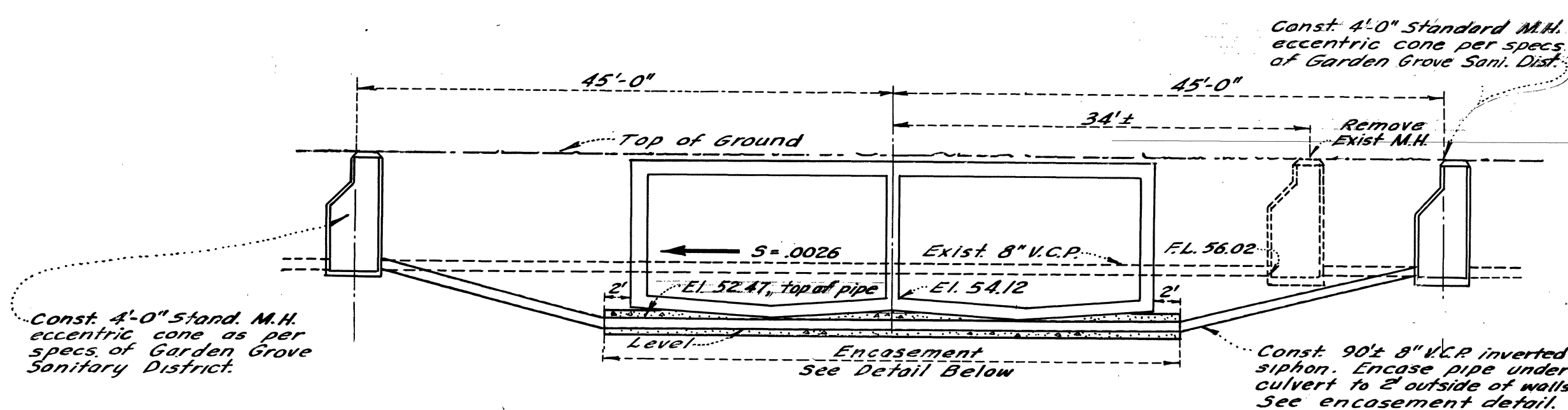
SEWER RECONSTRUCTION DALE ST.

Sta. 227+70.16
Looking Downstream
Scale 1"=10'-0"



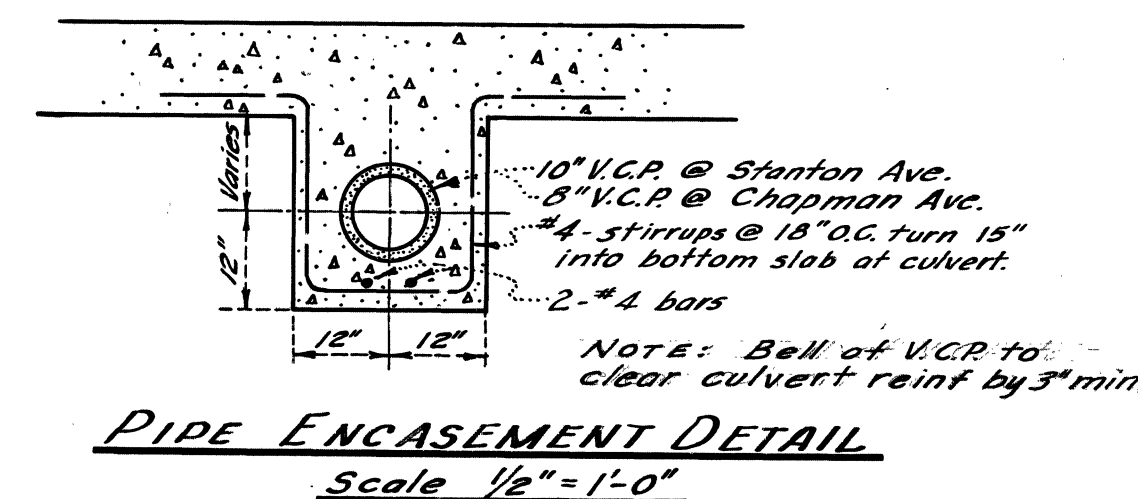
SEWER CROSSING STANTON AVE.

Sta. 194+10 ±
Looking Downstream
Scale 1"=10'-0"



SEWER CROSSING - CHAPMAN AVE.

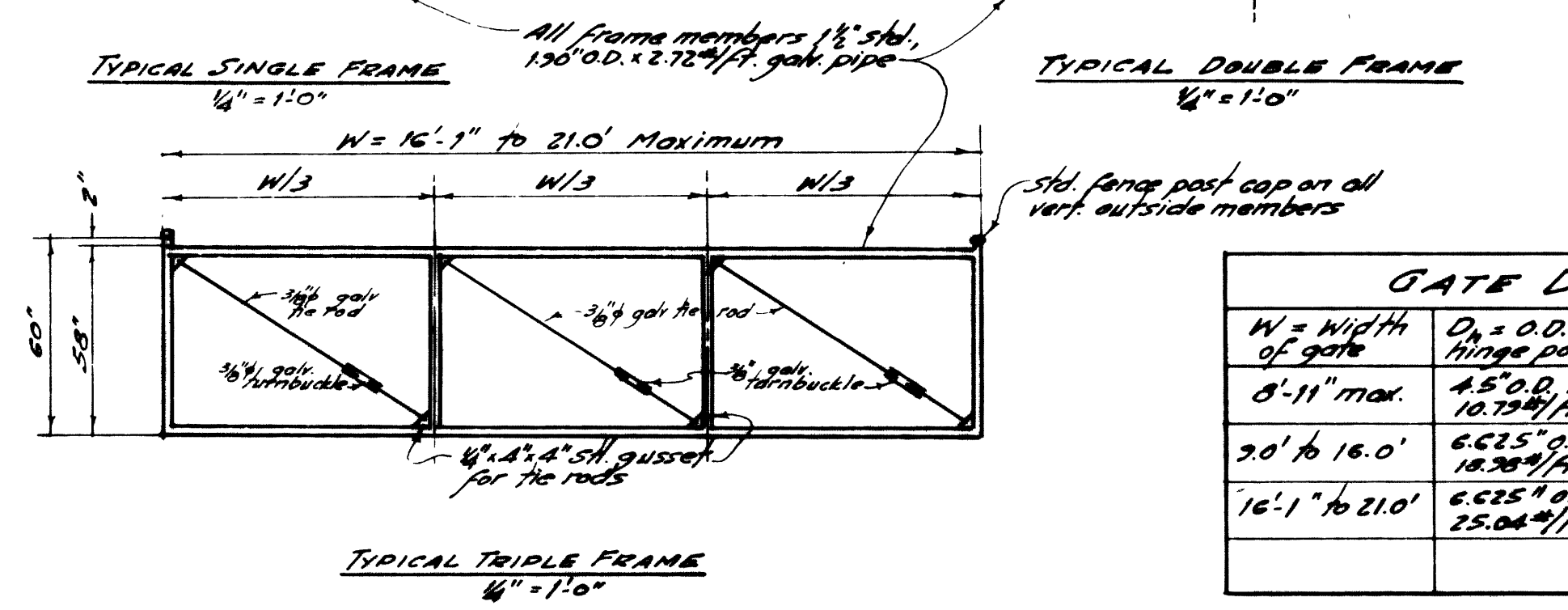
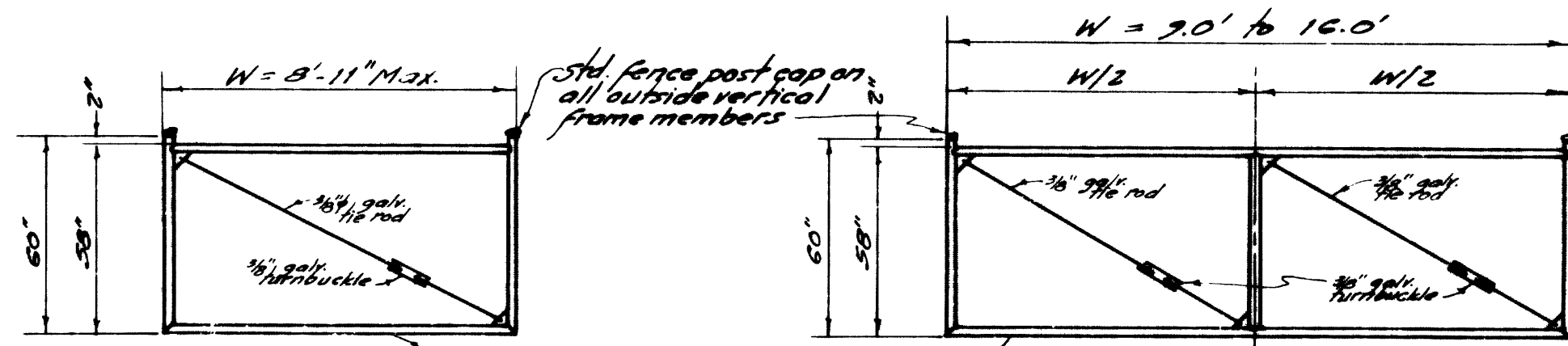
Sta. 218+77 ±
Looking Upstream
Scale 1"=10'-0"



PIPE ENCASEMENT DETAIL

Scale 1/2"=1'-0"

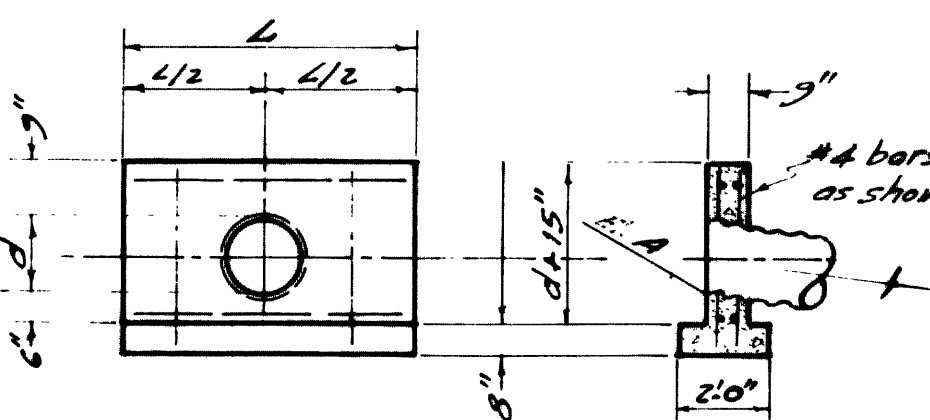
REVISED	REFERENCES	ORANGE COUNTY FLOOD CONTROL DISTRICT
		ANAHEIM - BARBER CITY CHANNEL
		SEWER CROSSING & EXCAVATION PAY LINES
DESIGNED H.E.H.	PREPARED T.J.S. & N.K.S.	RECOMMENDED James E. Bell
CHECKED O.M.S.	SUBMITTED 10/1/57	DESIGN DIVISION ENGINEER
	DATE: DEC. 1, 1957	DWG. NO. CO3-101-3-4



TYPICAL GATE FRAME DETAILS
 $1/4" = 1'-0"$

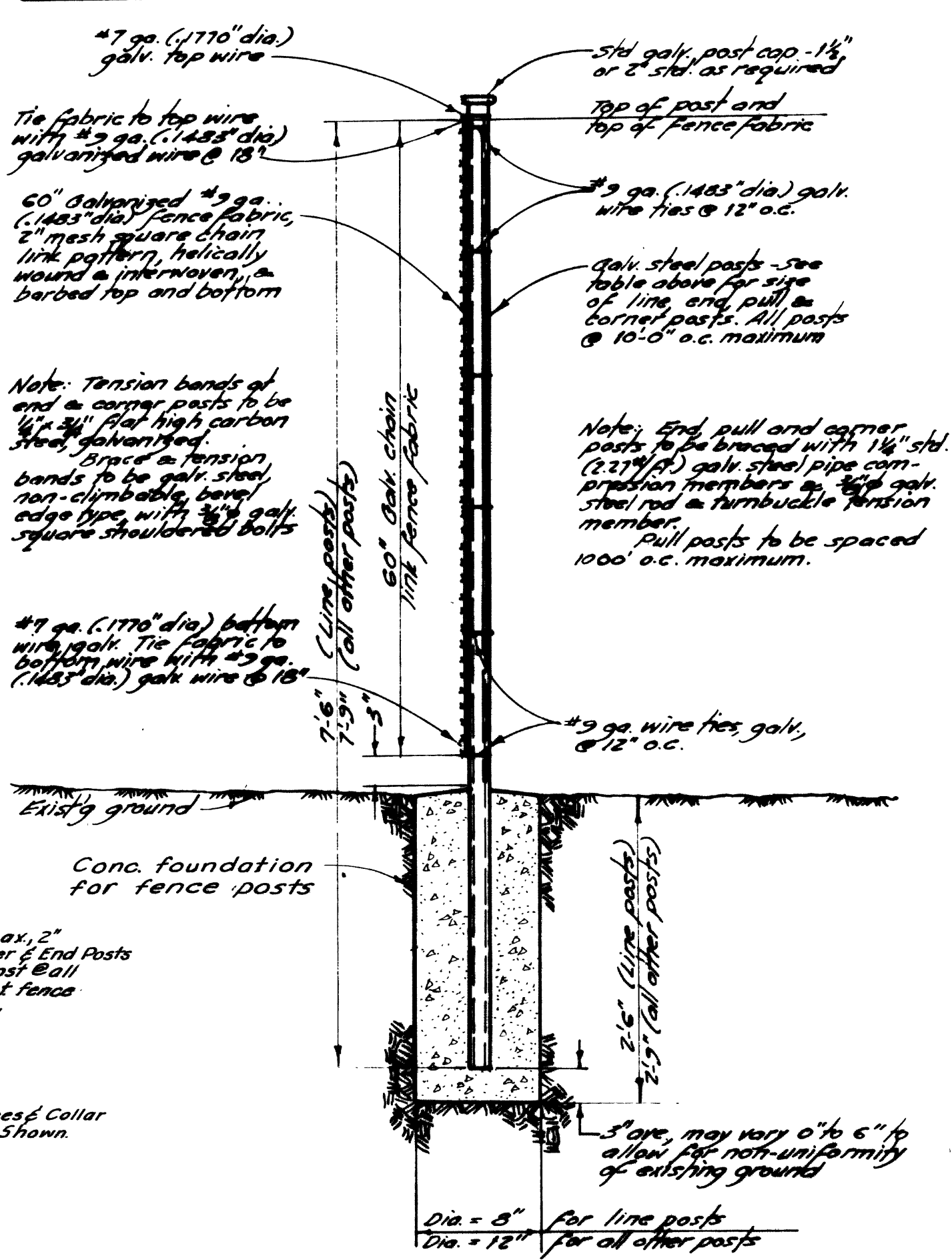
GATE DATA		
W = Width of gate	D _h = O.D. of hinge post	D _c = Dia. of conc. post
8'-11" max.	4.5" O.D. $\times$ 10.75" L	16"
9'-0" to 16'-0"	6.625" O.D. $\times$ 18.25" L	18"
16'-1" to 21'-0"	6.625" O.D. $\times$ 25.00" L	18"

HEADWALL DATA	
d. dia.	L
18"	5'-6"
24"	7'-6"



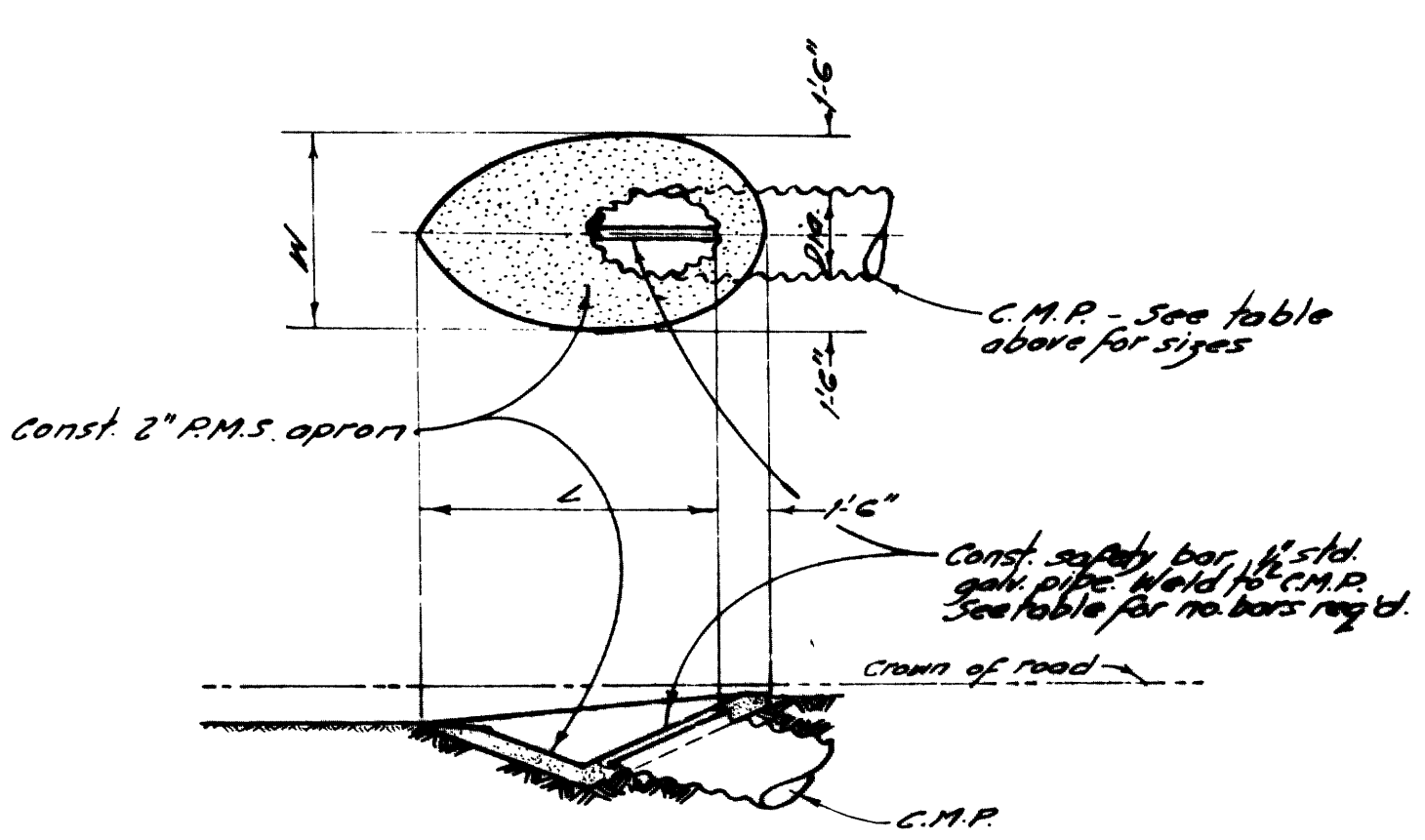
R.C. HEADWALL & INLET STRUCTURE
 $1/4" = 1'-0"$

POST DATA FOR 5' CHAIN LINK FENCE				
ITEM	Size - Std. galv. pipe	Post L	Length	Remarks
Line post	1 1/2" 1.90" O.D.	2.72'	7'-6"	@ 10'-0" o.c. maximum
End post	2" 2.375" O.D.	3.65'	7'-9"	
Corner post	2" 2.375" O.D.	3.65'	7'-9"	
Pull post	2" 2.375" O.D.	3.65'	7'-9"	@ 1000' o.c. max. @ all fence intersections
Compression members	1 1/2" 1.66" O.D.	2.27'	-	@ all end corner & pull posts

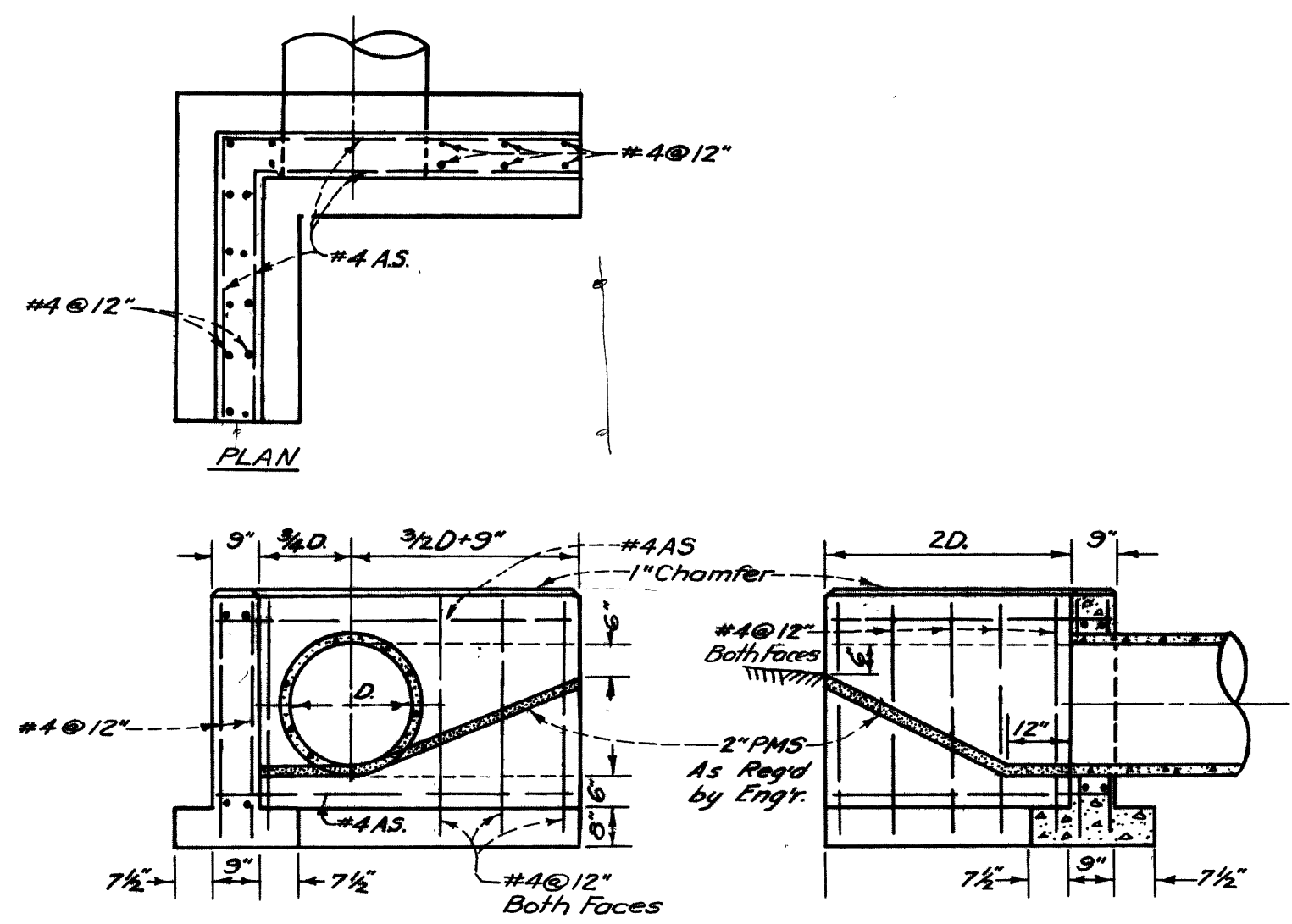


DETAIL - TYPICAL 5' CHAIN LINK FENCE
 See Post Data Table above
 $1/4" = 1'-0"$

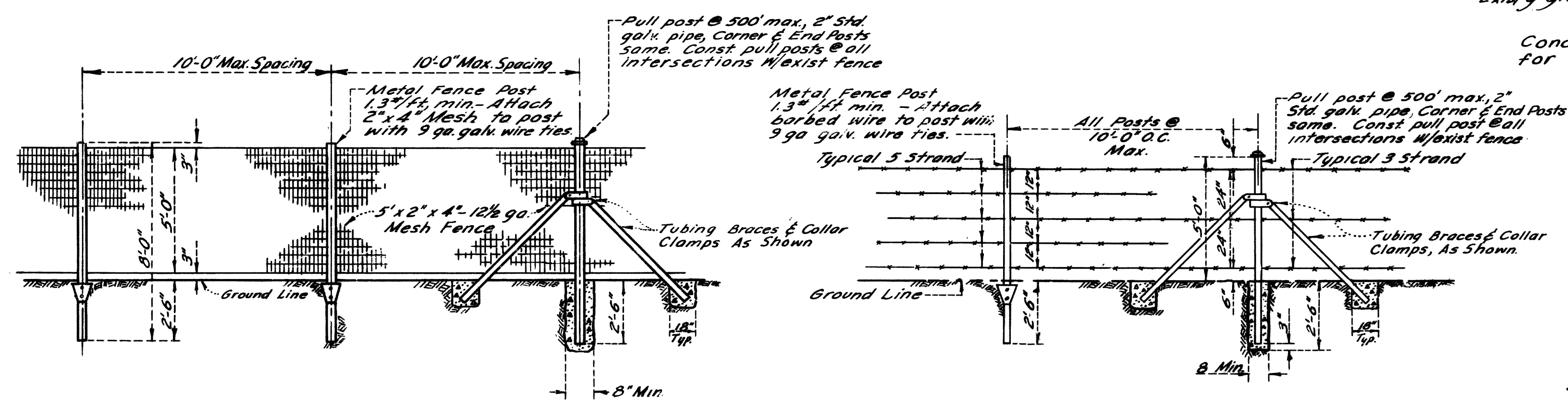
R.M.S. APRON DATA			
C.M.P. size	W	L	No. bars
18" x 8"	4'-6"	9'-0"	1
24" x 8"	5'-0"	10'-6"	2
30" x 8"	5'-6"	12'-0"	3
36" x 8"	6'-0"	13'-6"	4



DETAIL - STREET DRAIN APRON
 $1" = 5'-0"$



"L" HEADWALL DETAILS
 SCALE: NONE



O.C.F.C.D. STD. * C.M.P. SIZES	
18" x 8"	16 ga.
24" x 8"	16 ga.
30" x 8"	14 ga.
36" x 8"	14 ga.
42" x 8"	12 ga.

* Note: Unless otherwise specified on the plans, all C.M.P.'s will be of gage shown here.

DESIGNED NATSUMURA	PREPARED F.J.S., C.D. & NKS	ORANGE COUNTY FLOOD CONTROL DISTRICT
CHECKED O.M.S.	SUBMITTED J.W. Schumacher DESIGN ENGINEER	ANAHEIM - BARBER CITY CHANNEL
		TYPICAL CONSTRUCTION DETAILS
		RECOMMENDED James J. Bell
		DATE: DEC., 1957 DWG. C03-101-3-A