

JUAN TABO DETENTION DAM
ON

BEAR CANYON ARROYO
ALBUQUERQUE, NEW MEXICO

ALBUQUERQUE METROPOLITAN ARROYO
FLOOD CONTROL AUTHORITY



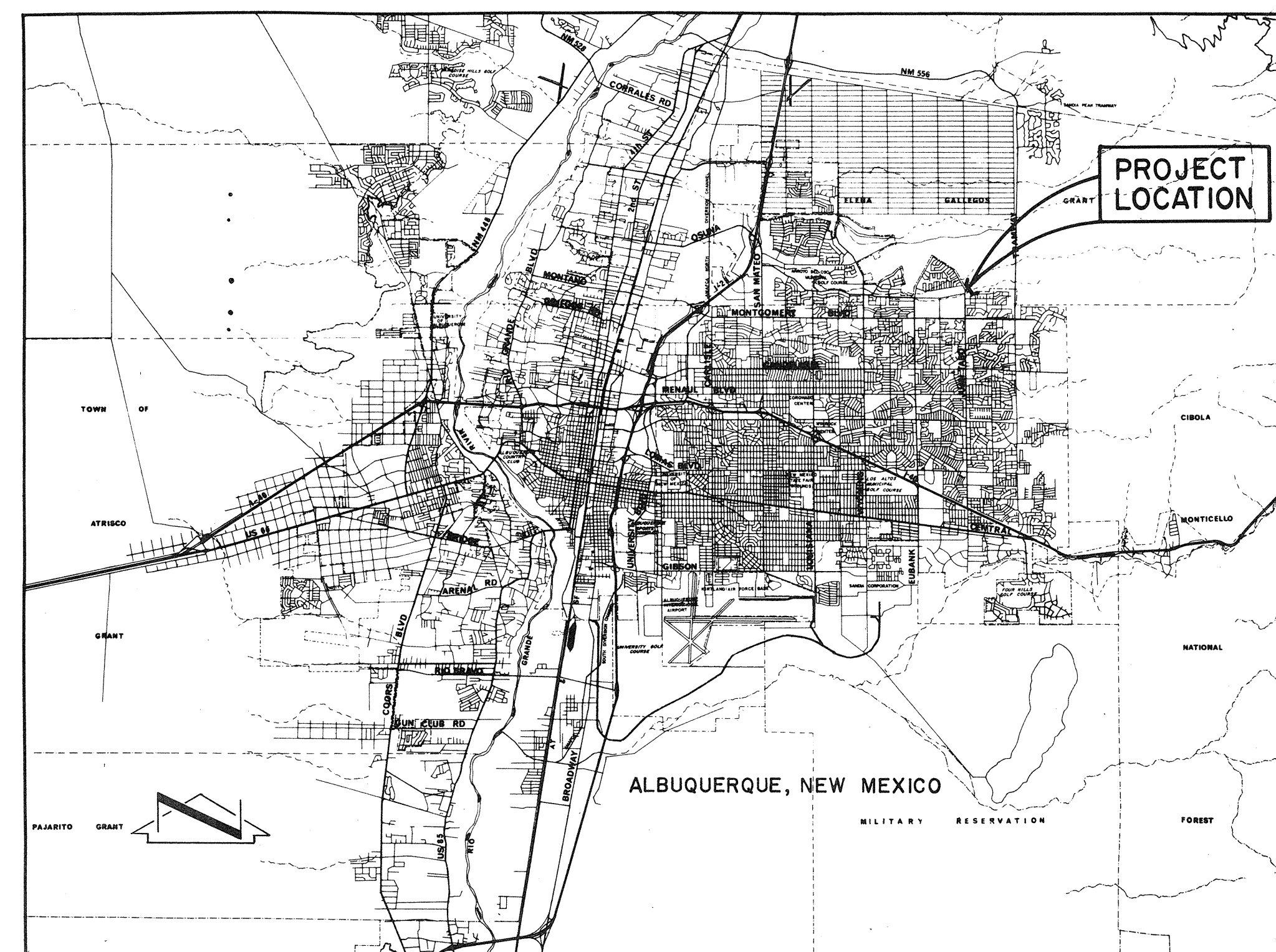
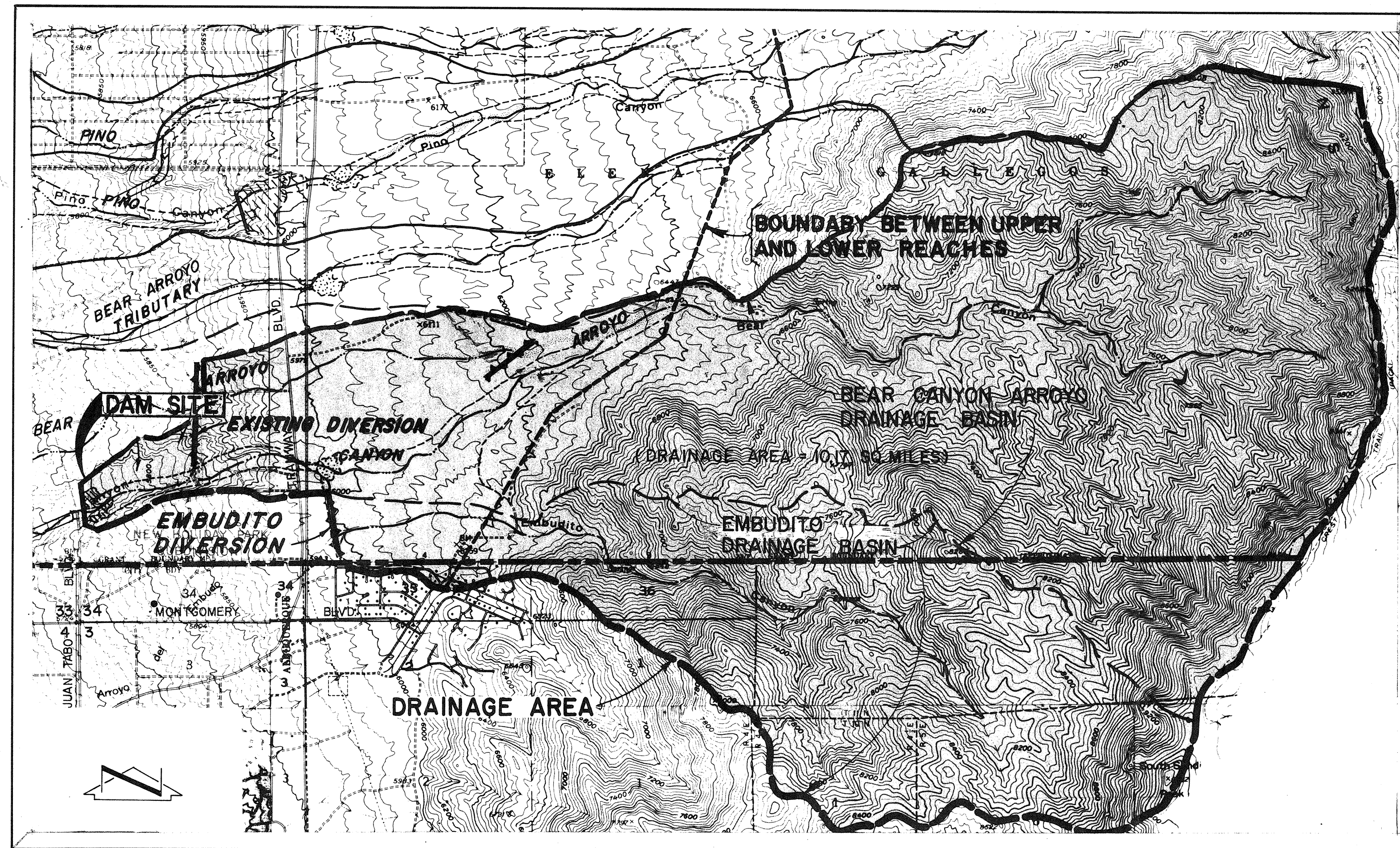
As BUILT 9-15-76



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Set No. _____



INDEX

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JUAN TABO DETENTION DAM BEAR CANYON ARROYO			
DRAINAGE BASIN LOCATION MAP & INDEX			
ALBUQUERQUE METROPOLITAN ARROYO FLOOD CONTROL AUTHORITY			
albuquerque	bernalillo	county	new mexico
DATE Jan. 1976	JOB NO 75020	SCALE As Shown	DRAWN: A.D.G. CHK'D: R.L.
SHEET 2 OF 14			OF 14



**JUAN TABO DETENTION DAM
BEAR CANYON ARROYO**

EMBANKMENT PLAN

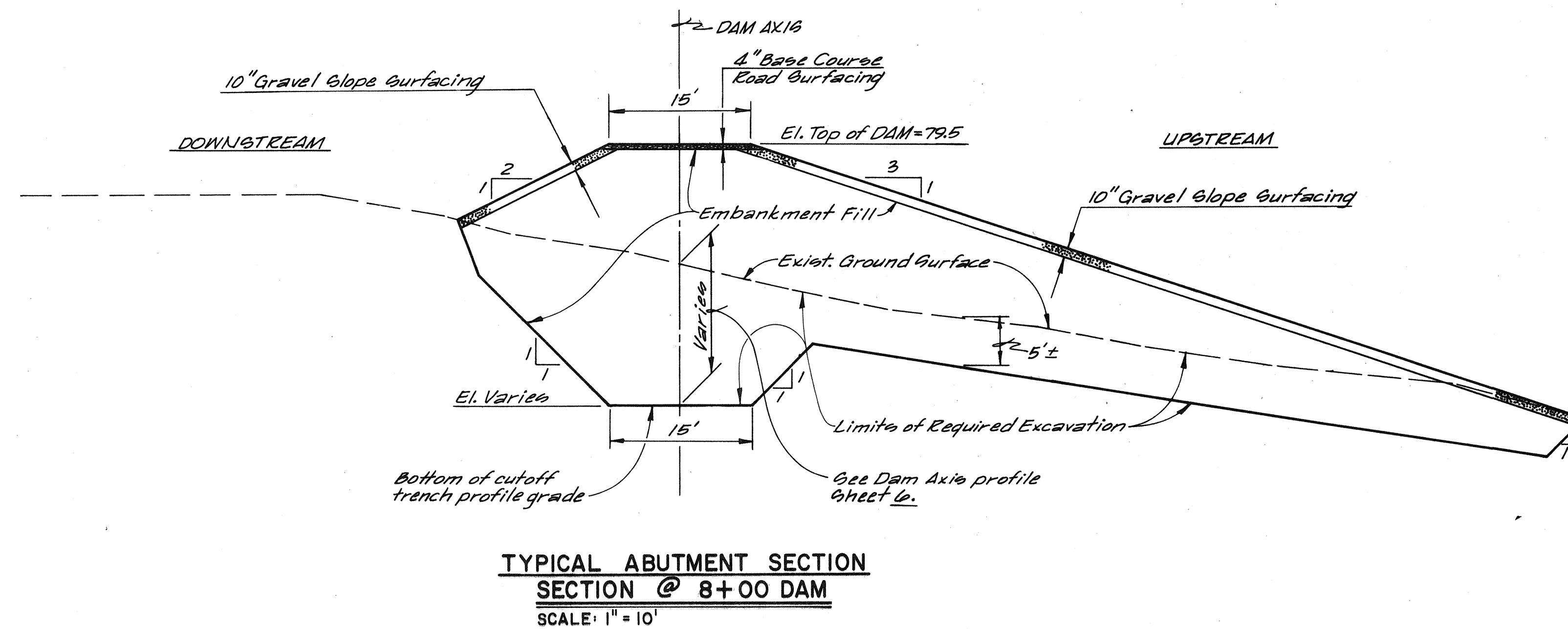
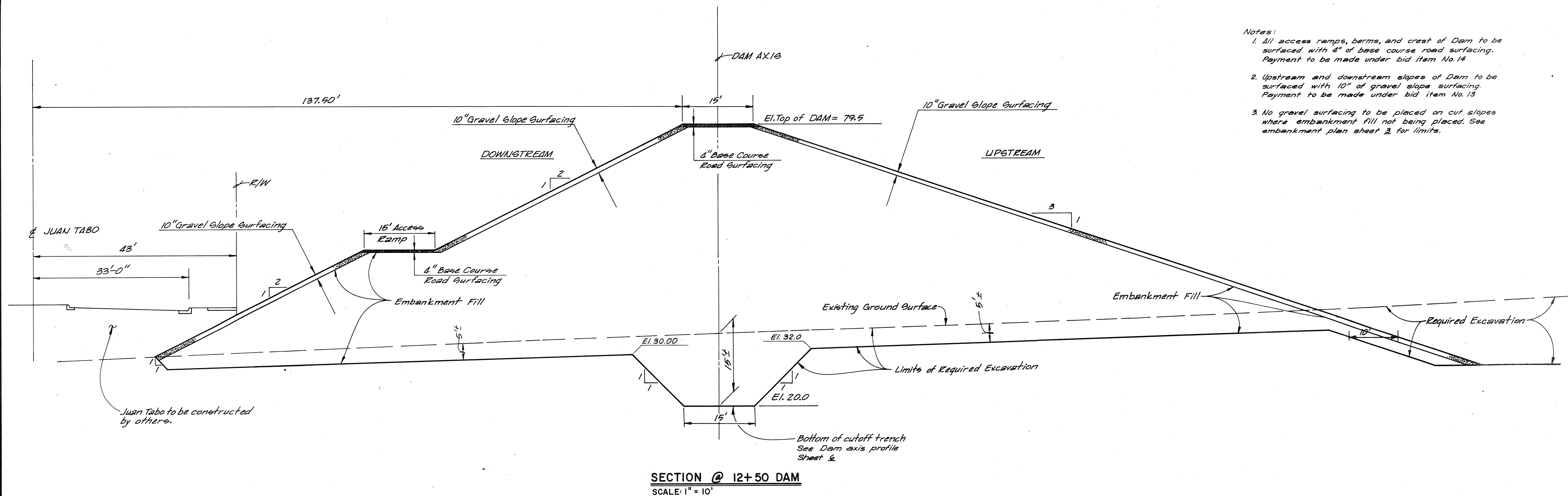
**ALBUQUERQUE METROPOLITAN ARROYO
FLOOD CONTROL AUTHORITY**

albuquerque bernalillo county new mexico

DATE Jan. 1976	JOB NO 75020	SCALE 1" = 100'	DRAWN O.R. CHK'D R.L.	SHEET 3 OF 14
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Notes:

1. All access ramps, berms, and crest of Dam to be surfaced with 4" of base course road surfacing. Payment to be made under bid item No. 14
2. Upstream and downstream slopes of Dam to be surfaced with 10" of gravel slope surfacing. Payment to be made under bid item No. 13
3. No gravel surfacing to be placed on cut slopes where embankment fill not being placed. See embankment plan sheet 3 for limits.

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**JUAN TABO DETENTION DAM
BEAR CANYON ARROYO**

EMBANKMENT SECTIONS

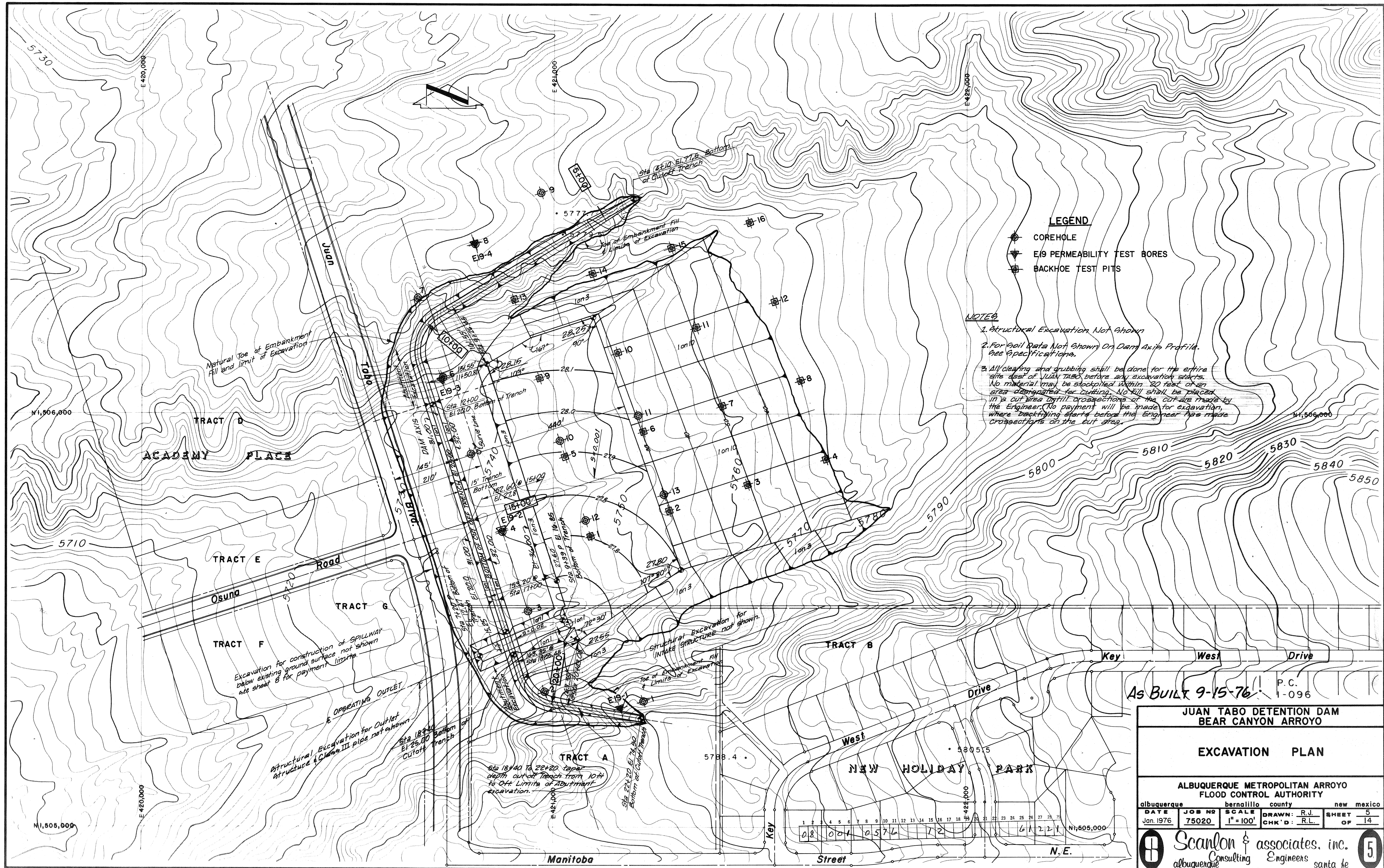
ALBUQUERQUE METROPOLITAN ARROYO
FLOOD CONTROL AUTHORITY

albuquerque		bernalillo		county		new mexico	
DATE	JOB NO	SCALE	DRAWN: <u>A.D.G.</u>		SHEET <u>4</u>		
Jan. 1976	75020	1" = 10'	CHK'D: <u>R.L.</u>		OF <u>14</u>		



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LEGEND

- COREHOLE
- ▼ E19 PERMEABILITY TEST BORES
- ⊠ BACKHOE TEST PITS

NOTES

1. Structural Excavation Not Shown
2. For Soil Data Not Shown On Dam Axis Profile, see Specifications.
3. All clearing and grubbing shall be done for the entire site east of JUAN TABO before any excavation starts. No material may be stockpiled within 20 feet of an area designated for cutting. No fill shall be placed in a cut area until cross-sections of the cut are made by the Engineer. No payment will be made for excavation, where backfilling starts before the Engineer has made cross-sections on the cut area.

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JUAN TABO DETENTION DAM
BEAR CANYON ARROYO

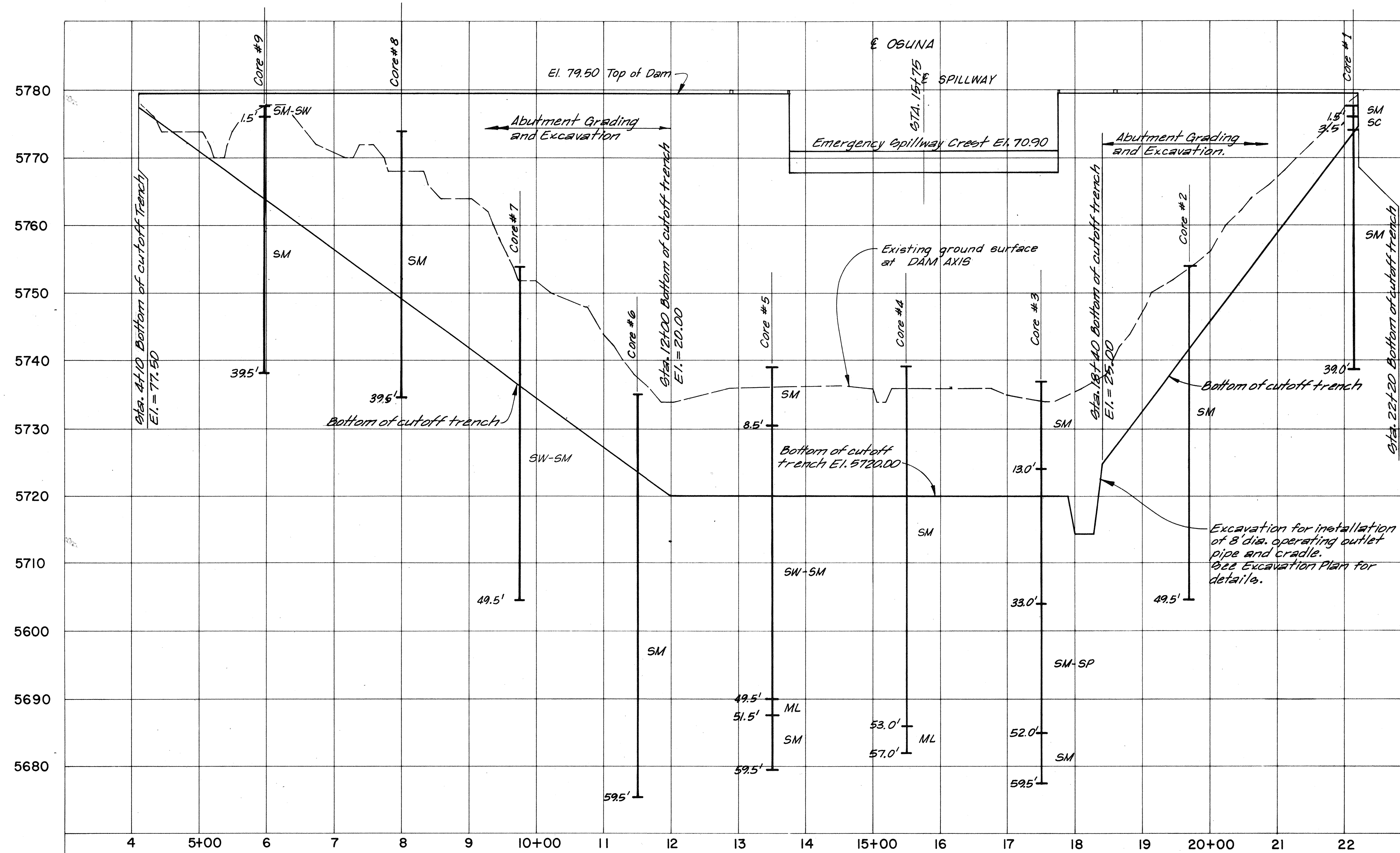
EXCAVATION PLAN

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FLOOD CONTROL AUTHORITY

albuquerque		bernalillo	county		new mexico	
DATE	JOB NO	SCALE	DRAWN:	R.J.	SHEET	5
Jan. 1976	75020	1" = 100'	CHK'D:	R.L.	OF	14

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PROFILE ON DAM AXIS

SCALE: 1" = 10' VERT.
1" = 100' HORZ.

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JUAN TABO DETENTION DAM
BEAR CANYON ARROYO

DAM AXIS PROFILE

ALBUQUERQUE METROPOLITAN ARROYO
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albuquerque	bernalillo	county	new mexico
DATE Jan. 1976	JOB NO. 75020	SCALE 1" = 100'	DRAWN: R.J. CHK'D: R.L.

SHEET
OF 14

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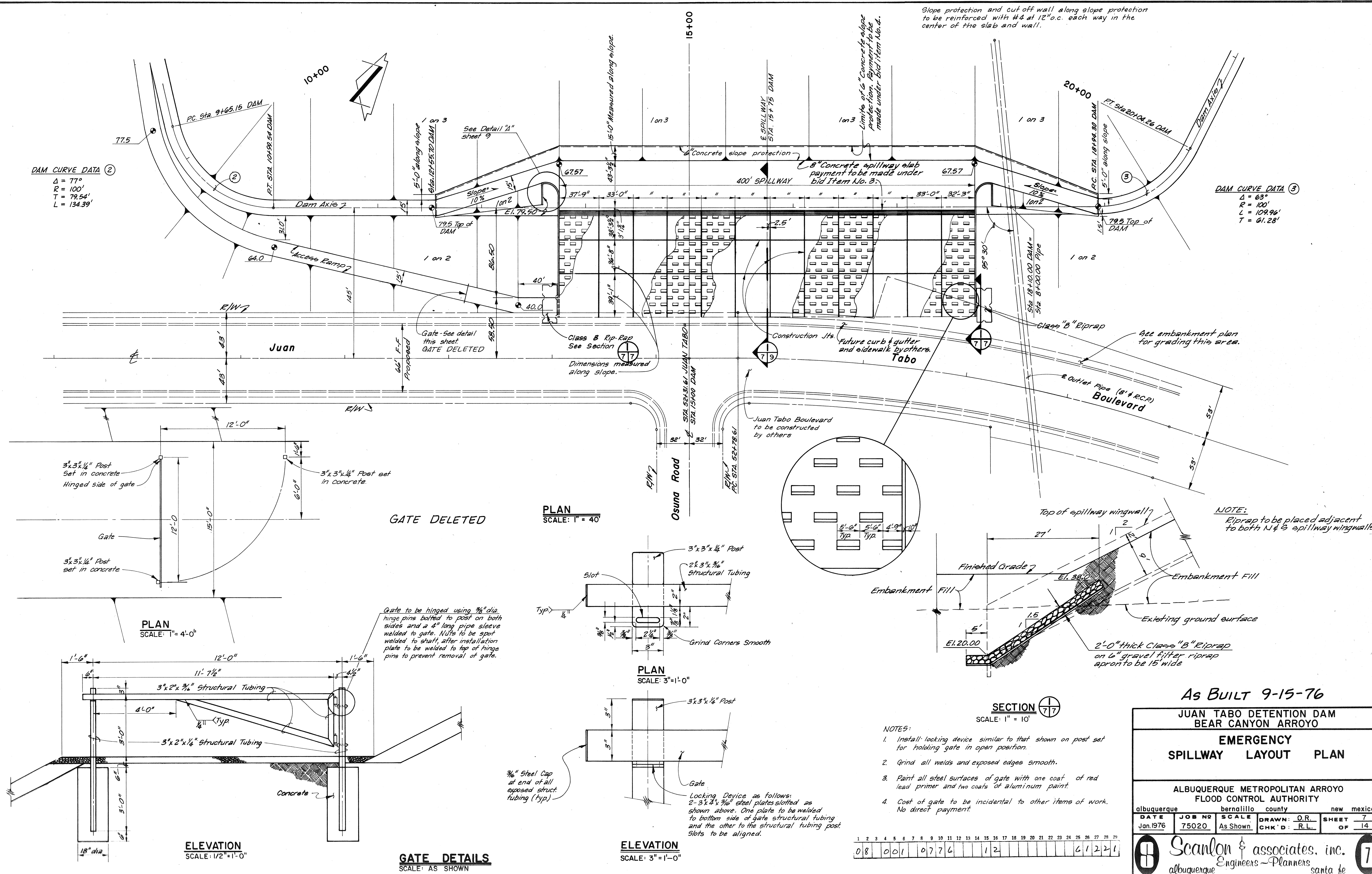
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DAM CURVE DATA ②

Δ = 77°
R = 100'
T = 79.54'
L = 134.39'

DAM CURVE DATA ③

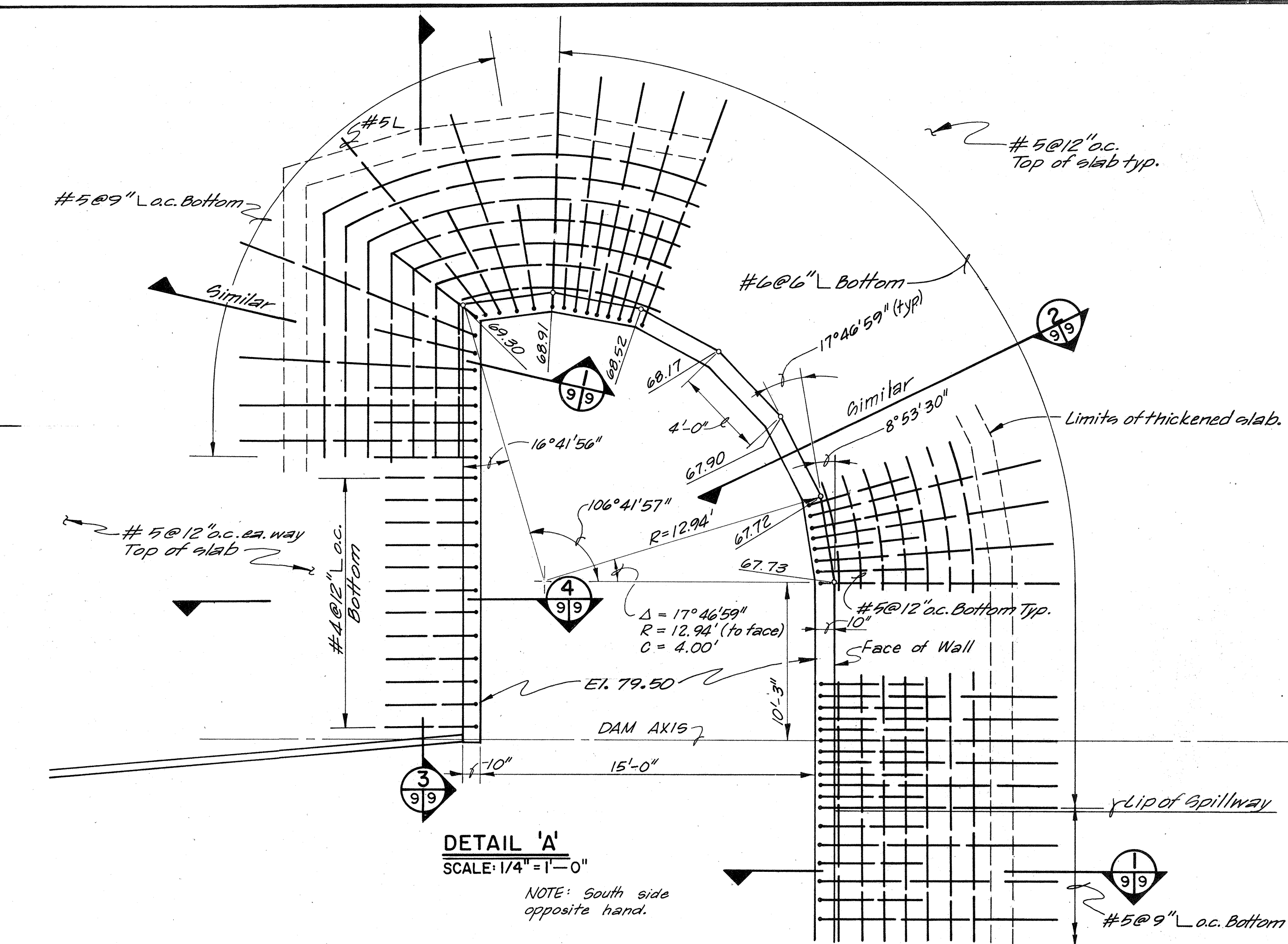
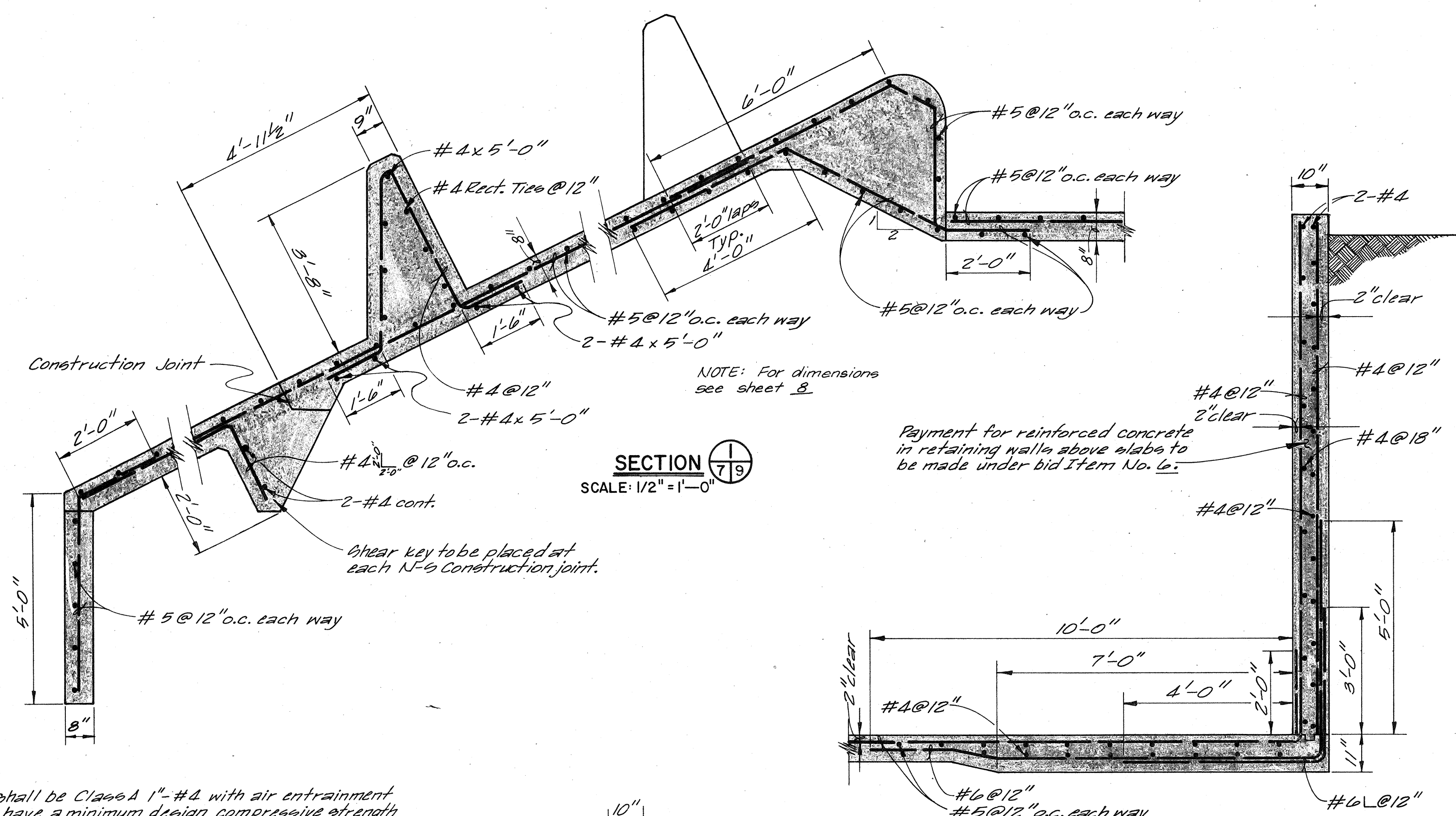
Δ = 63°
R = 100'
T = 109.96'
L = 61.28'



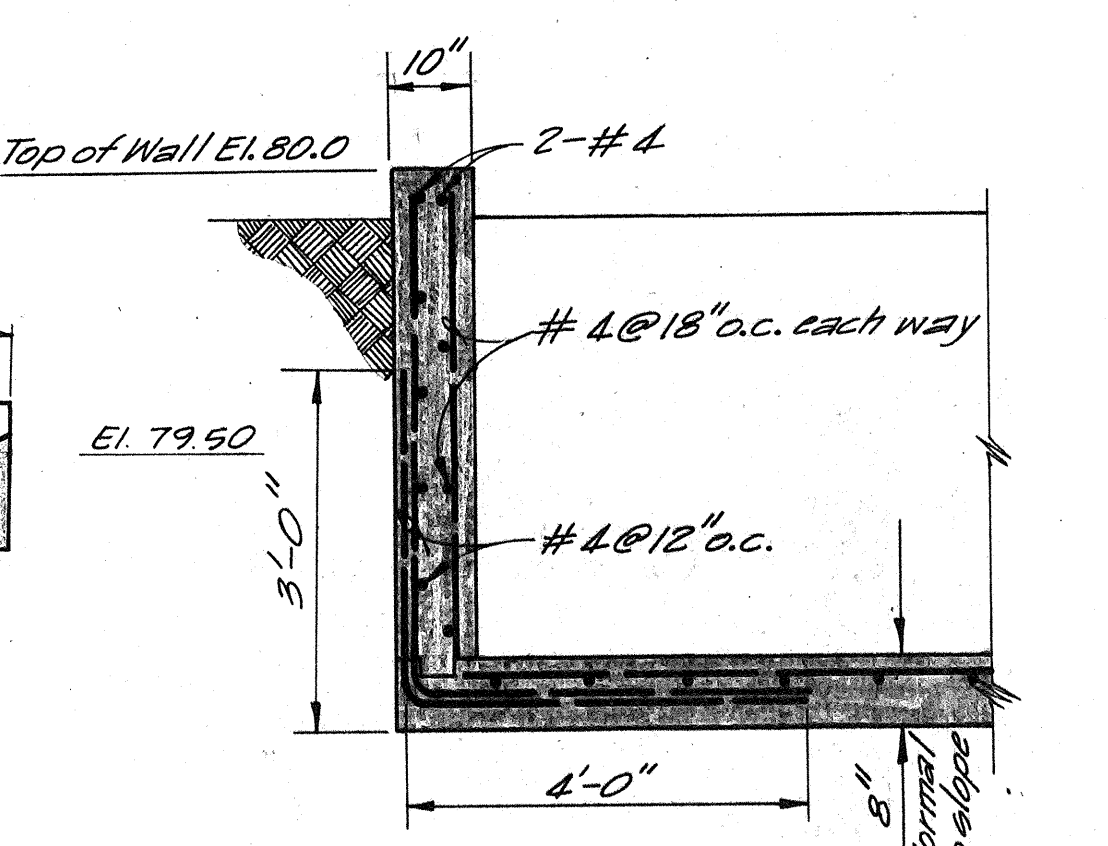
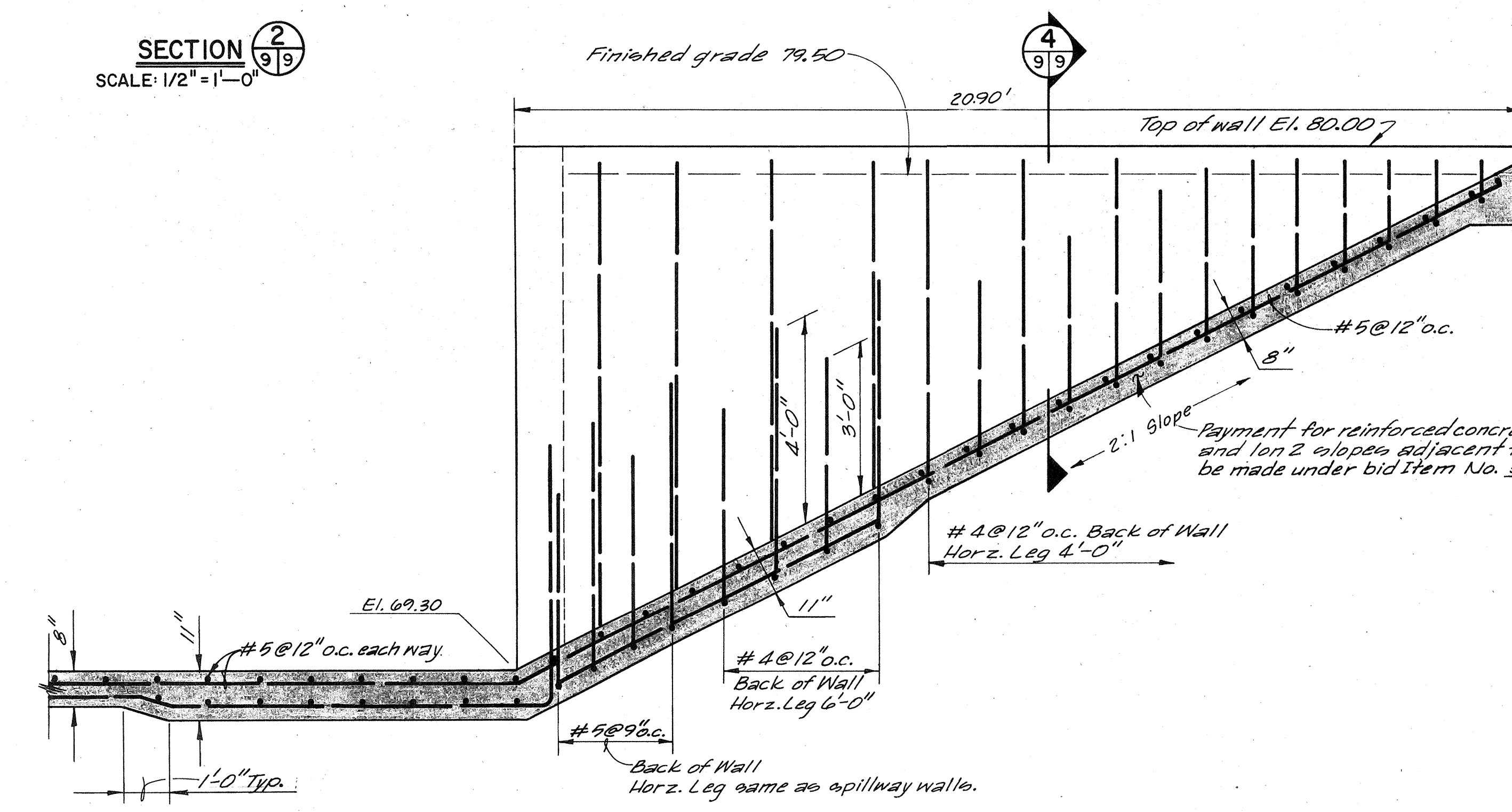
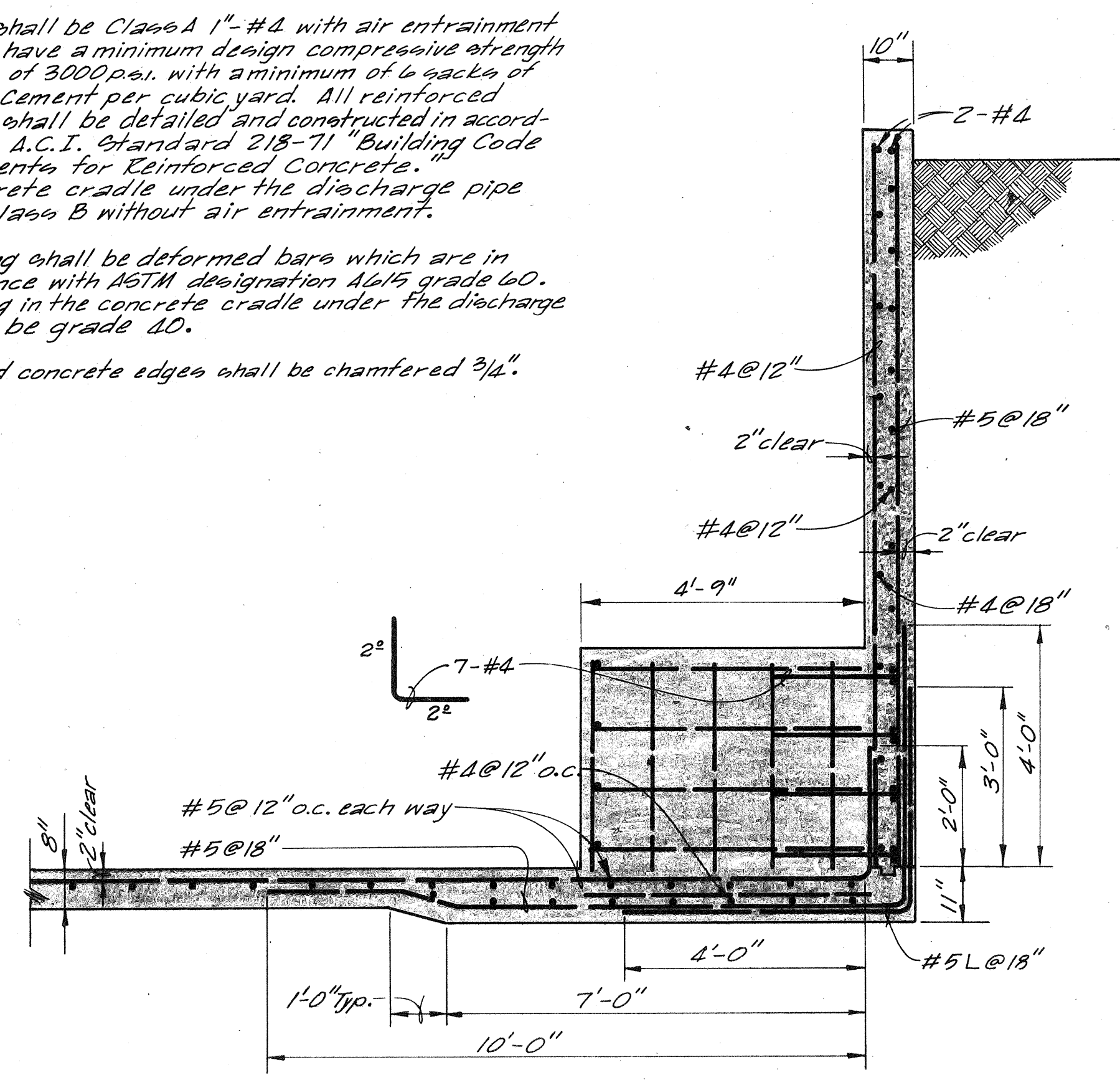


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0	8			0	0	1		0	8	7	6			1	2									6	1	2	2	1



- NOTES**
- Concrete shall be Class A 1" #4 with air entrainment and shall have a minimum design compressive strength @ 28 days of 3000 psi. with a minimum of 6 sacks of Portland Cement per cubic yard. All reinforced concrete shall be detailed and constructed in accordance with A.C.I. Standard 213-71 "Building Code Requirements for Reinforced Concrete". The concrete cradle under the discharge pipe may be Class B without air entrainment.
 - Reinforcing shall be deformed bars which are in conformance with ASTM designation A615 grade 60. Reinforcing in the concrete cradle under the discharge pipe may be grade 40.
 - All exposed concrete edges shall be chamfered 3/4".



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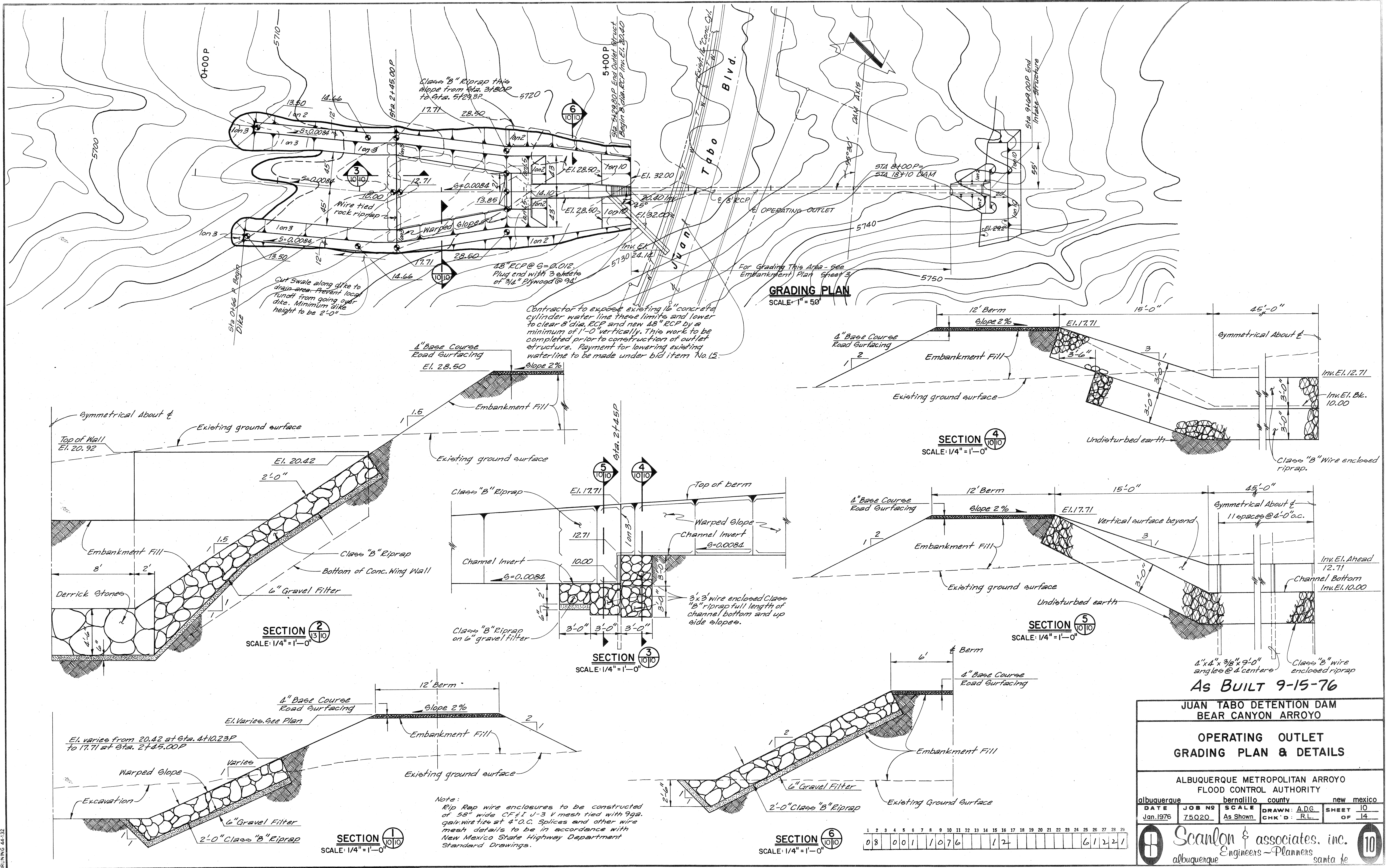
**EMERGENCY SPILLWAY
STRUCTURAL DETAILS**

ALBUQUERQUE METROPOLITAN ARROYO
FLOOD CONTROL AUTHORITY

DATE	JOB NO.	SCALE	DRAWN	CHECKED	SHEET
Jan. 1976	75020	As Shown	A.D.G.	P.T.	9 OF 14

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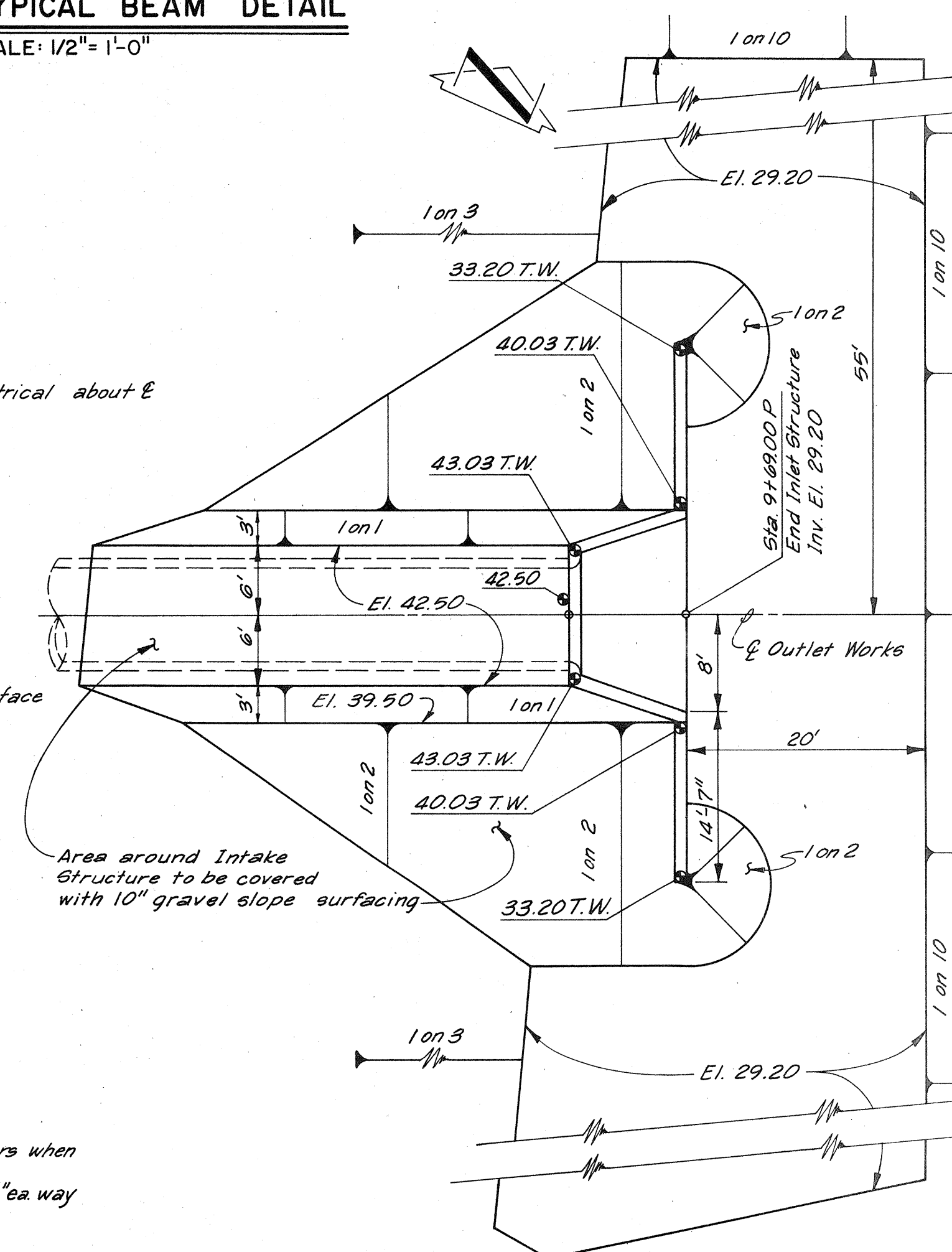
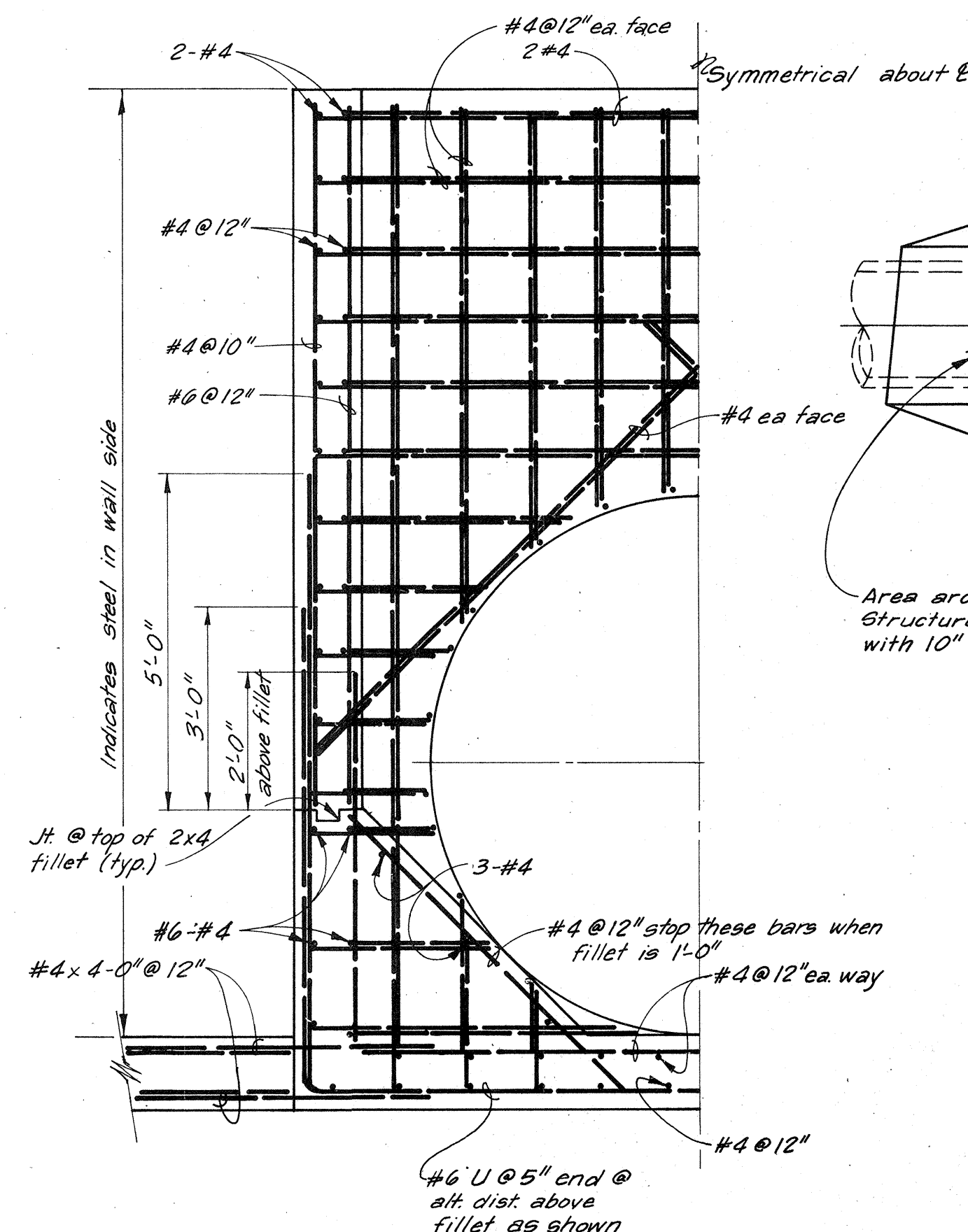
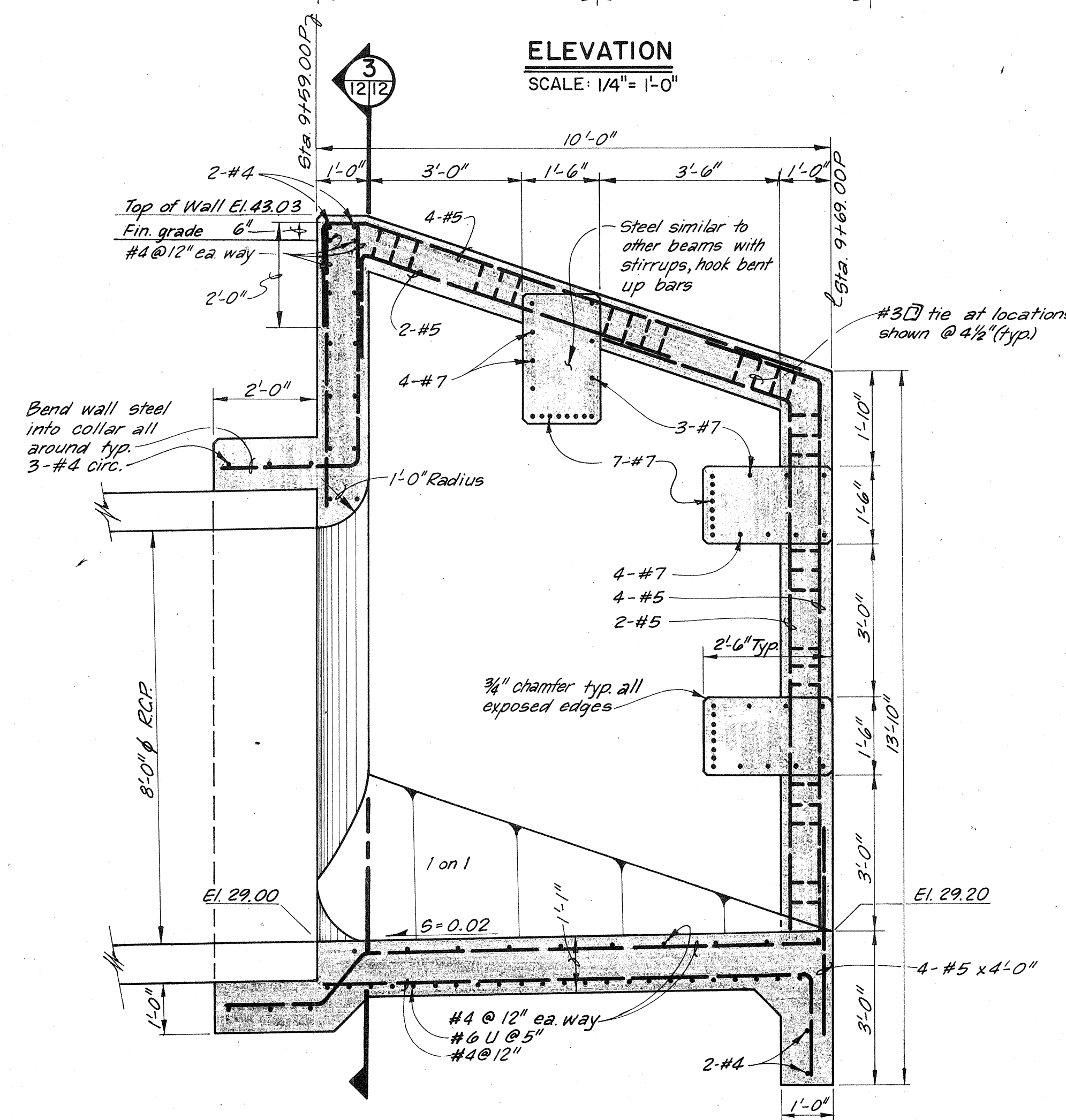
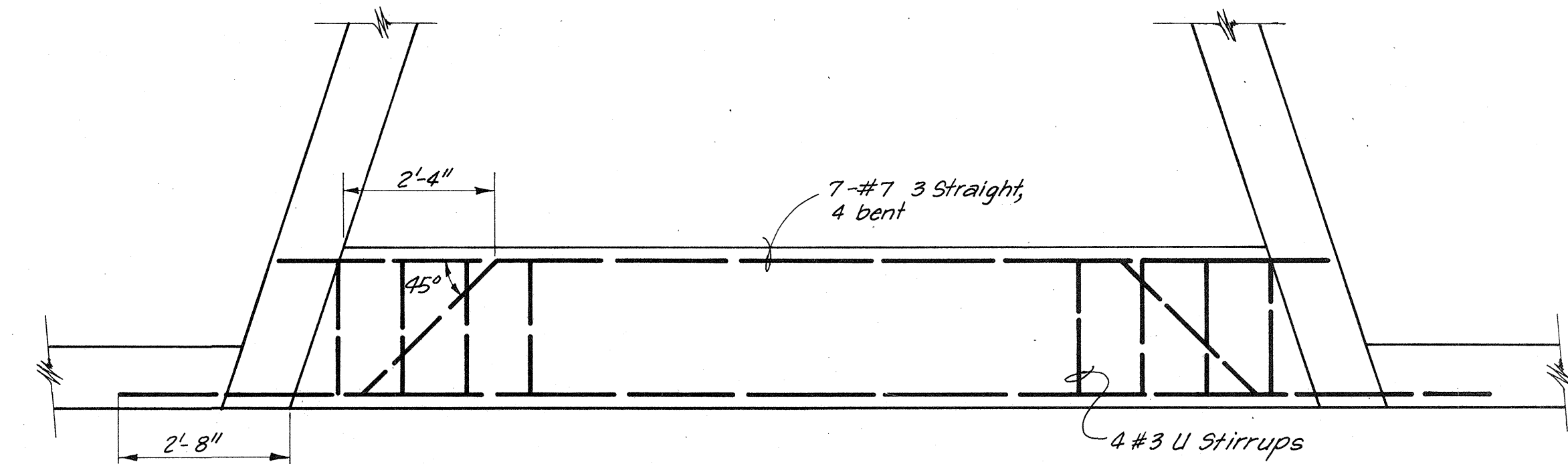
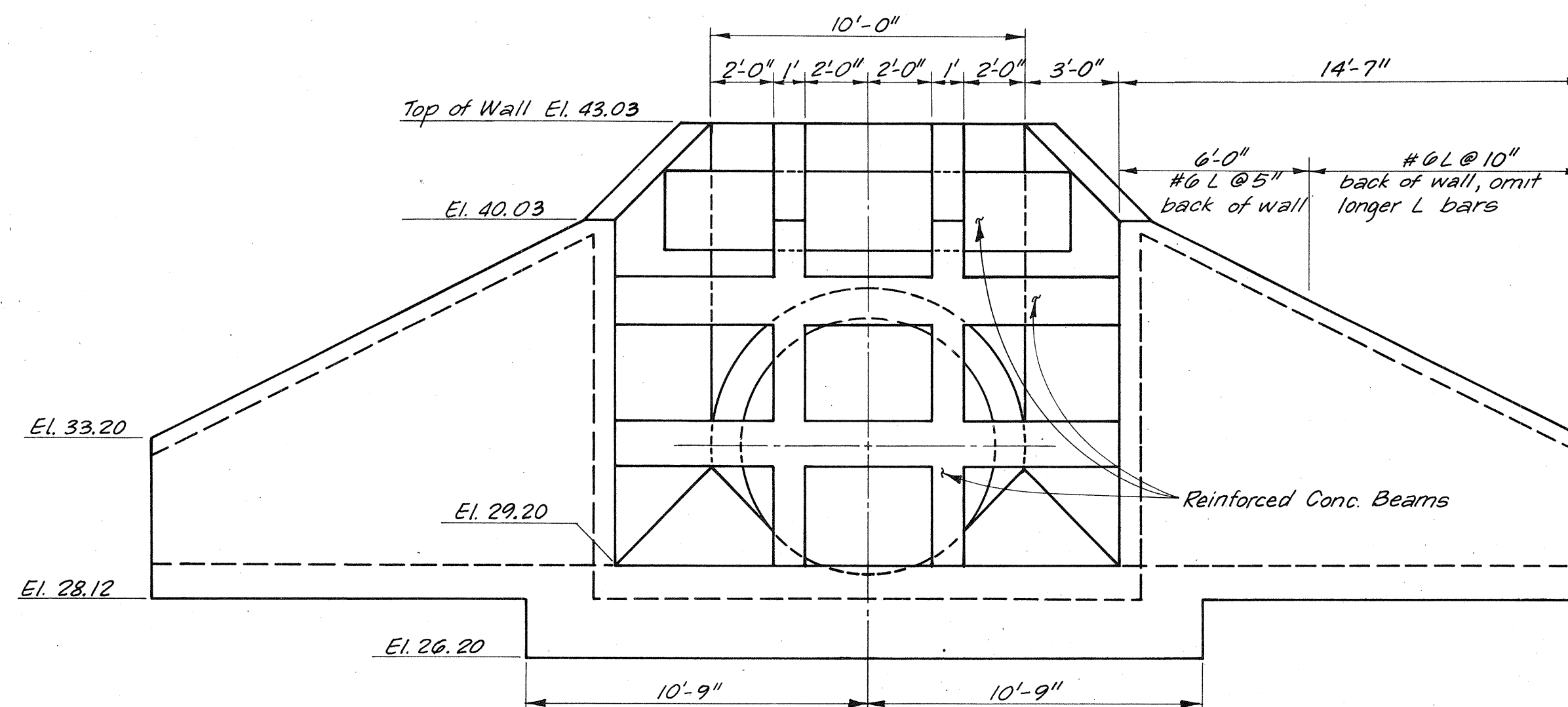
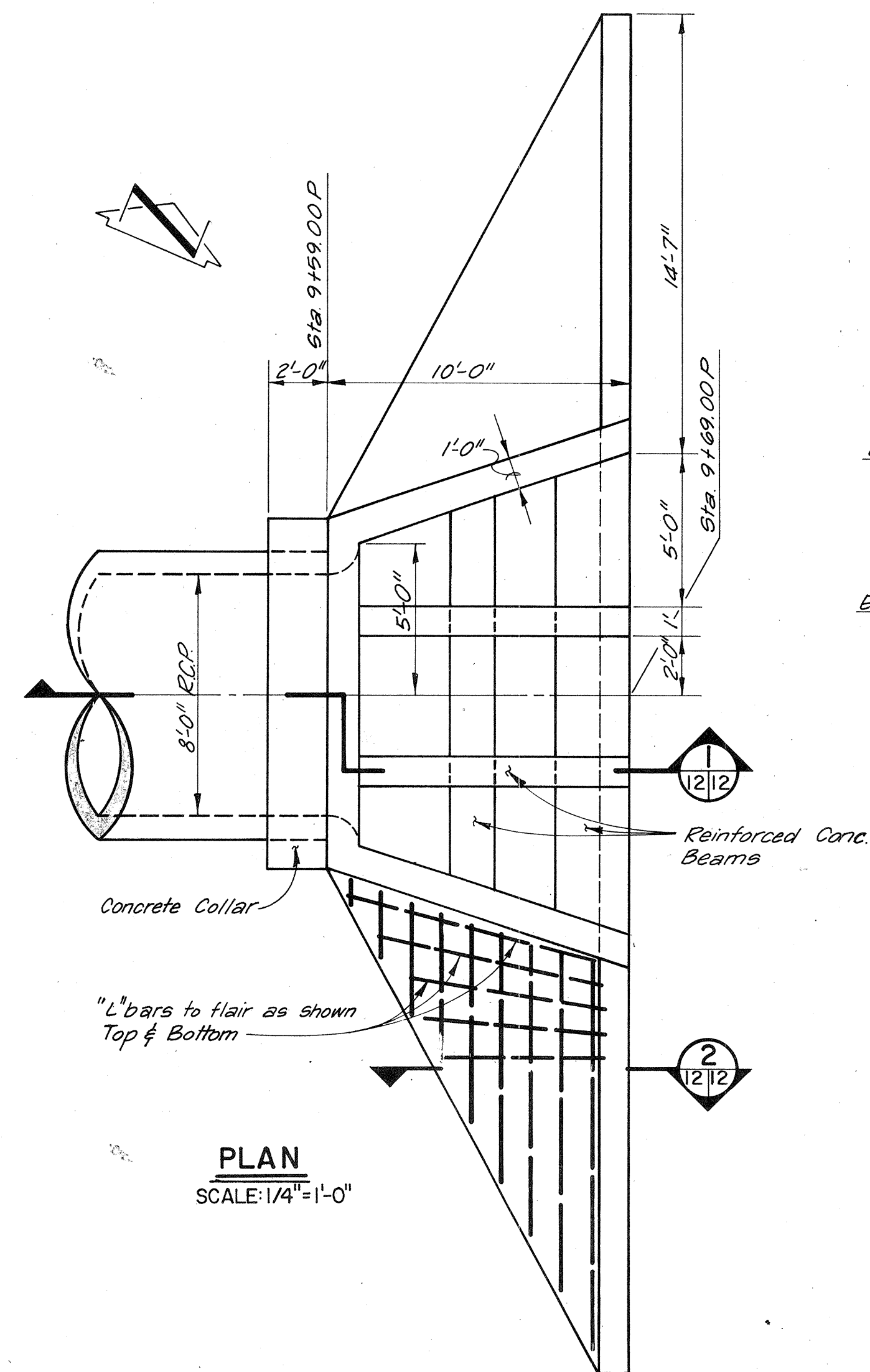
**JUAN TABO DETENTION DAM
BEAR CANYON ARROYO**

**OPERATING OUTLET
GRADING PLAN & DETAILS**

**ALBUQUERQUE METROPOLITAN ARROYO
FLOOD CONTROL AUTHORITY**

albuquerque	bernalillo	county	new mexico
DATE Jan. 1976	JOB NO. 75020	SCALE As Shown	DRAWN: ADG CHK'D: R.L.
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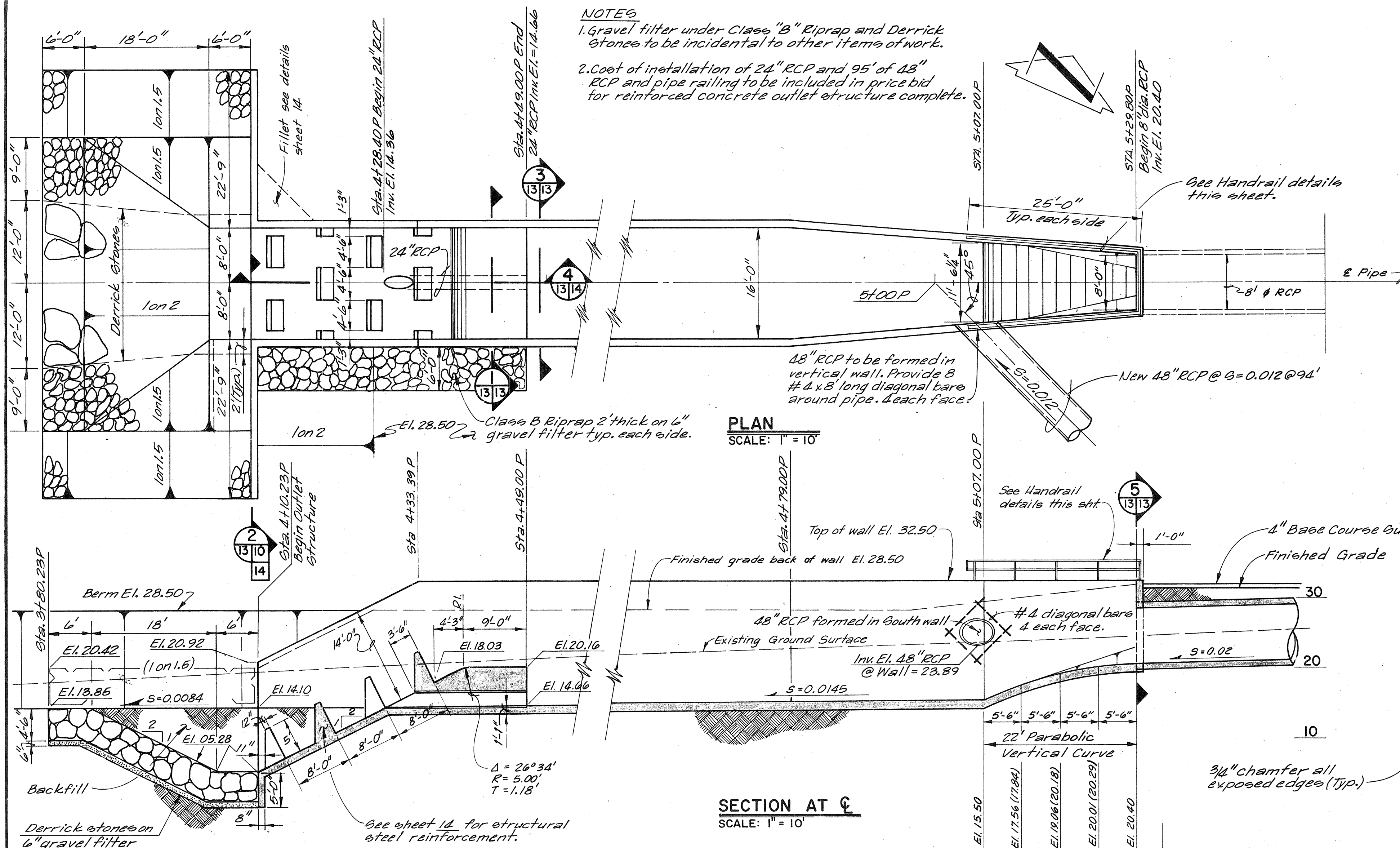
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JUAN TABO DETENTION DAM
BEAR CANYON ARROYO

INTAKE STRUCTURE DETAILS

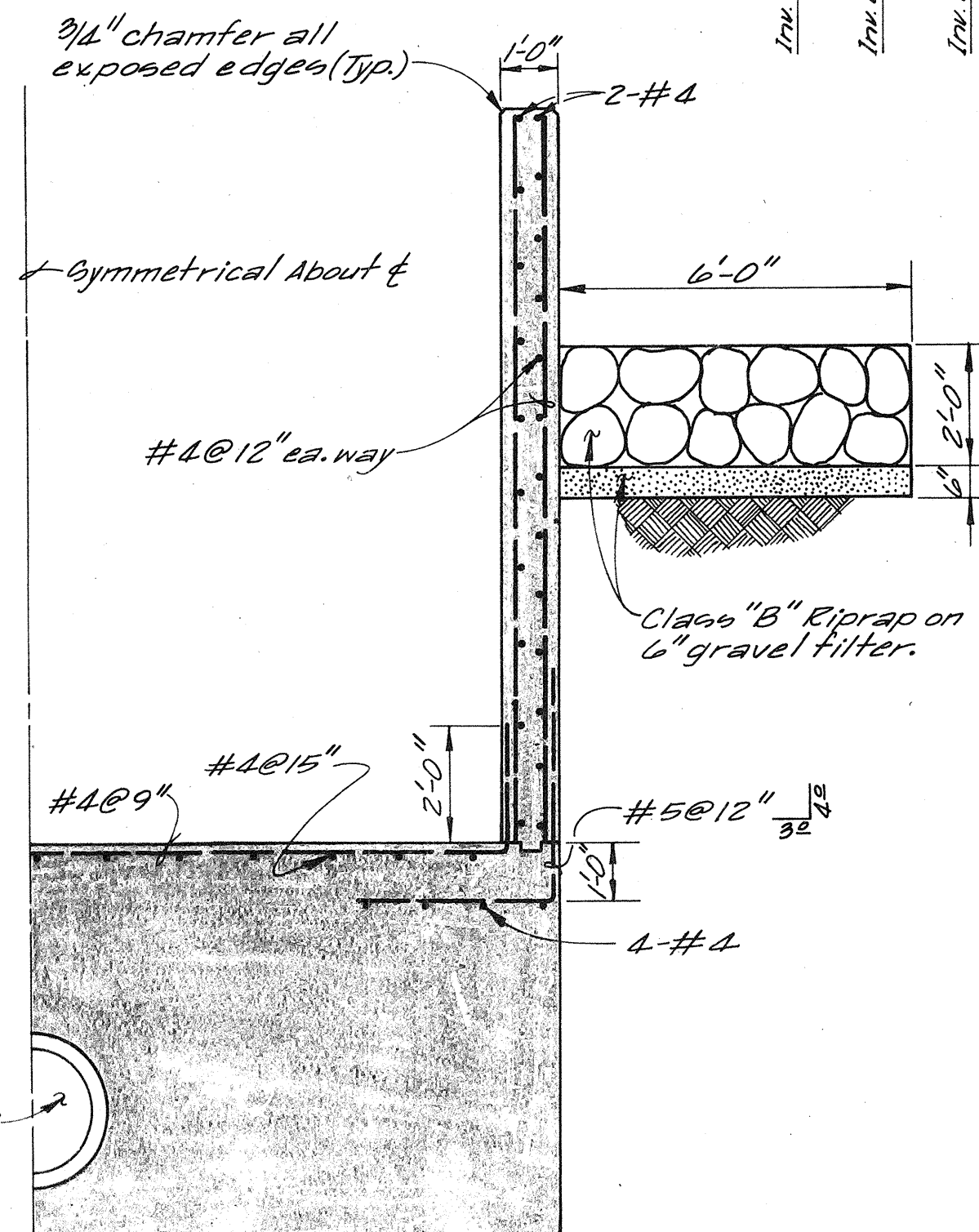
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Jan 1976	75020	As Shown	O.R.	P.T.	12
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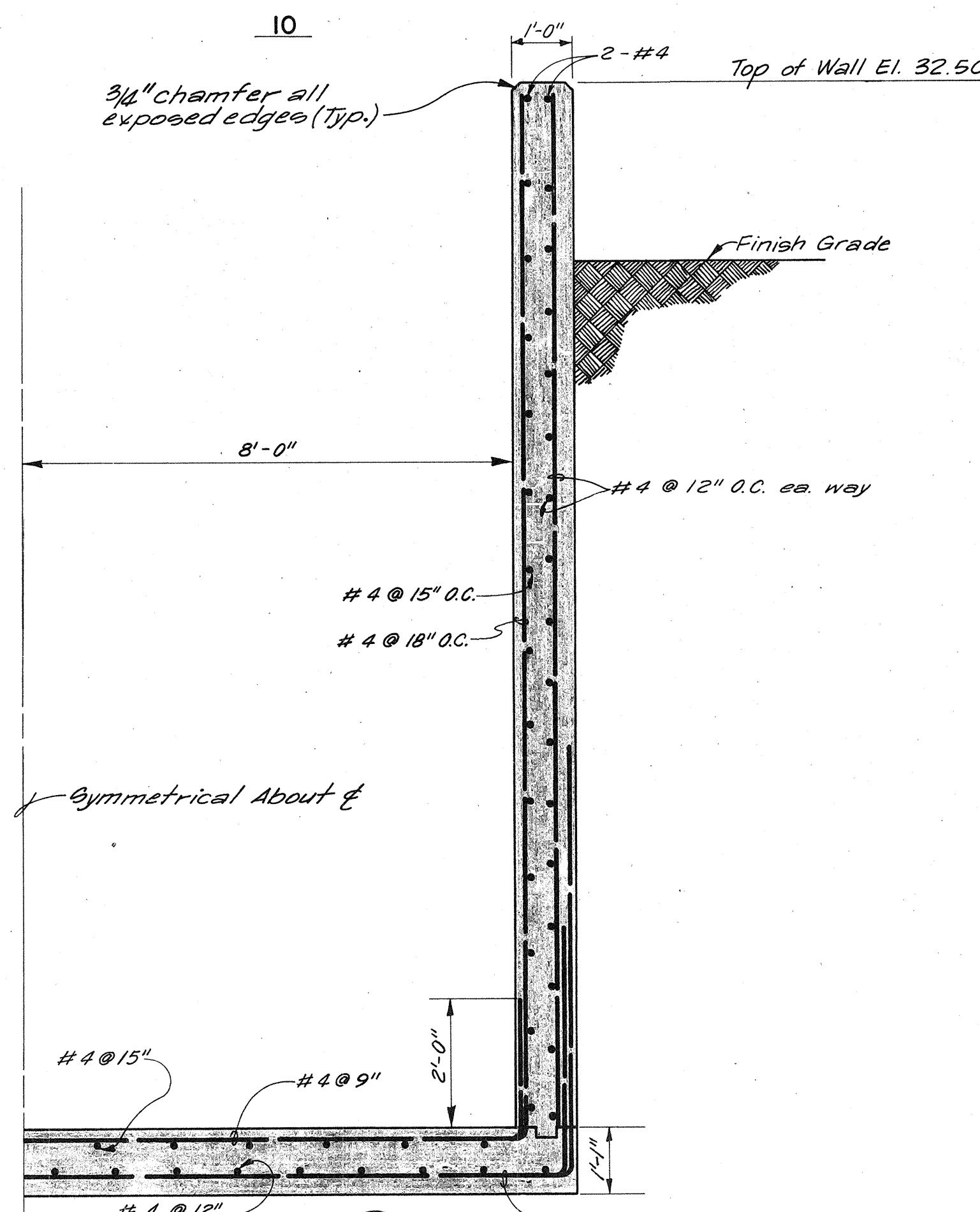


PLAN
SCALE: 1" = 10'

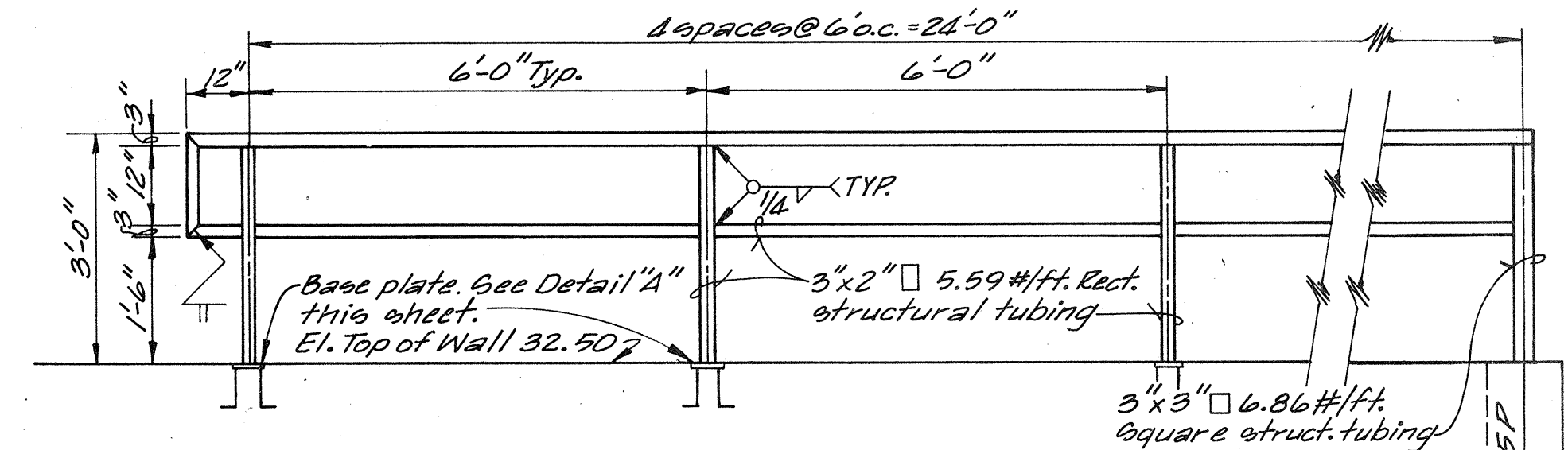
SECTION AT C
SCALE: 1" = 10'



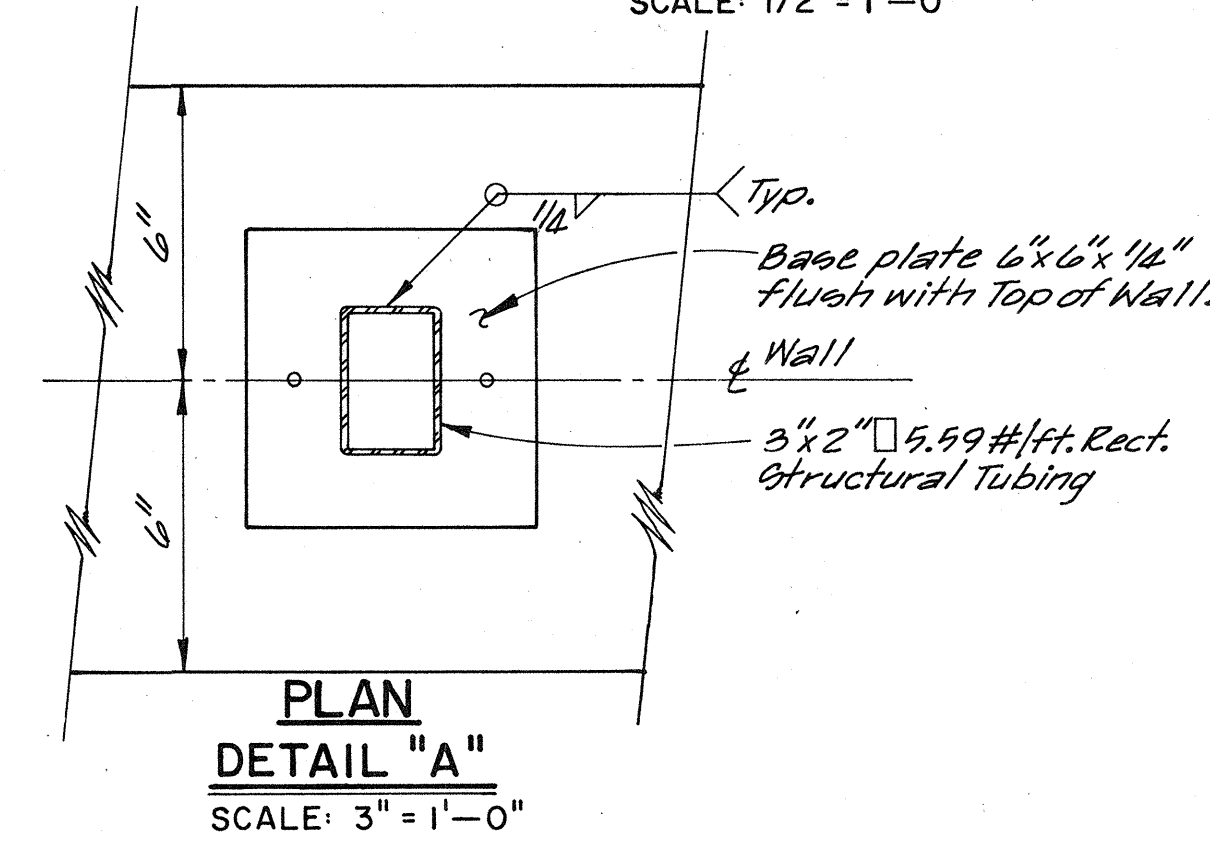
SECTION 13/13
SCALE: 3/8" = 1'-0"



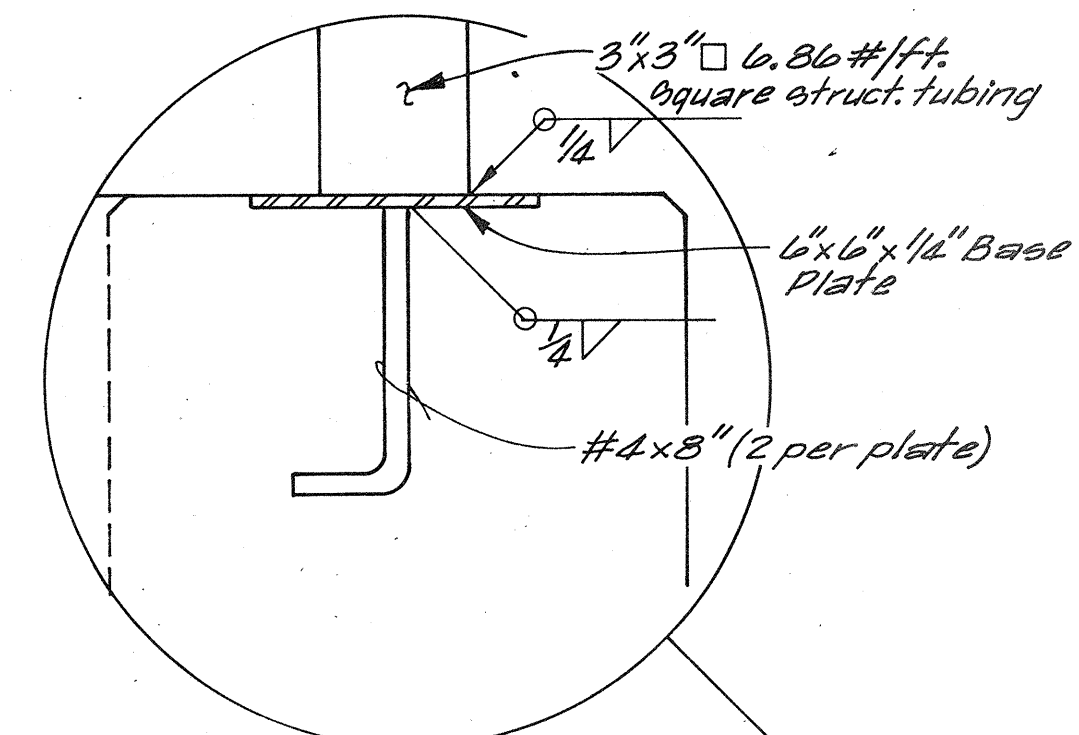
SECTION 3
SCALE: 1/2" = 1'-0"



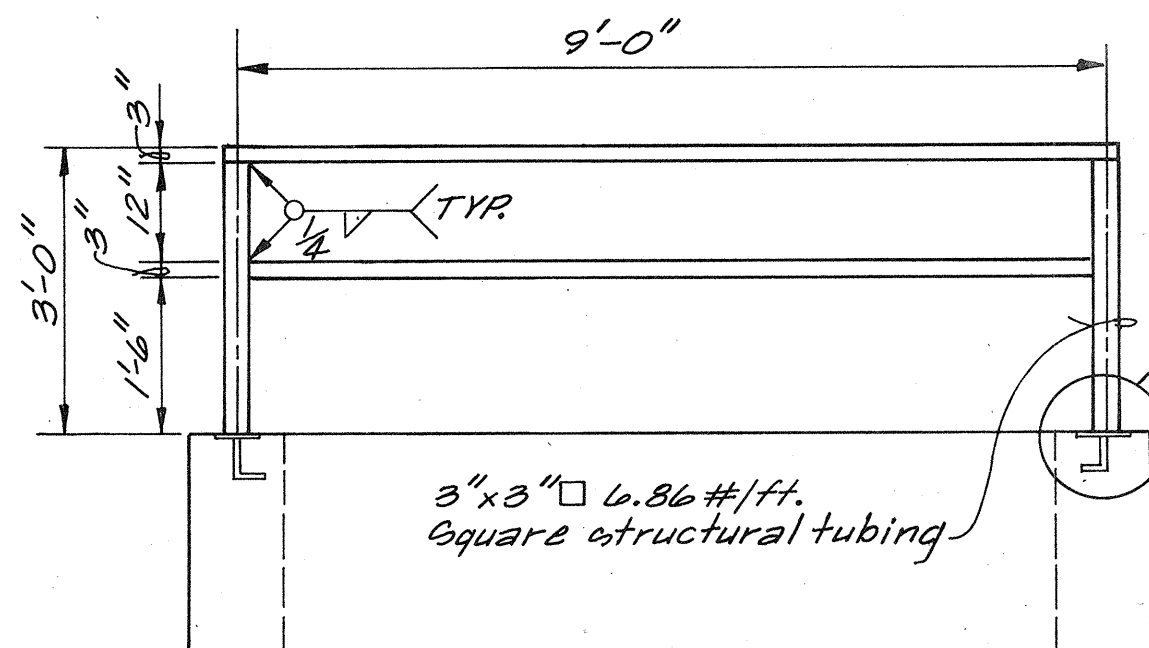
ELEVATION NORTH & SOUTH WALLS
SCALE: 1/2" = 1'-0"



PLAN DETAIL "A"
SCALE: 3" = 1'-0"



ELEVATION WEST WALL
SCALE: 1/2" = 1'-0"



HANDRAIL DETAILS
SCALE: AS SHOWN

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
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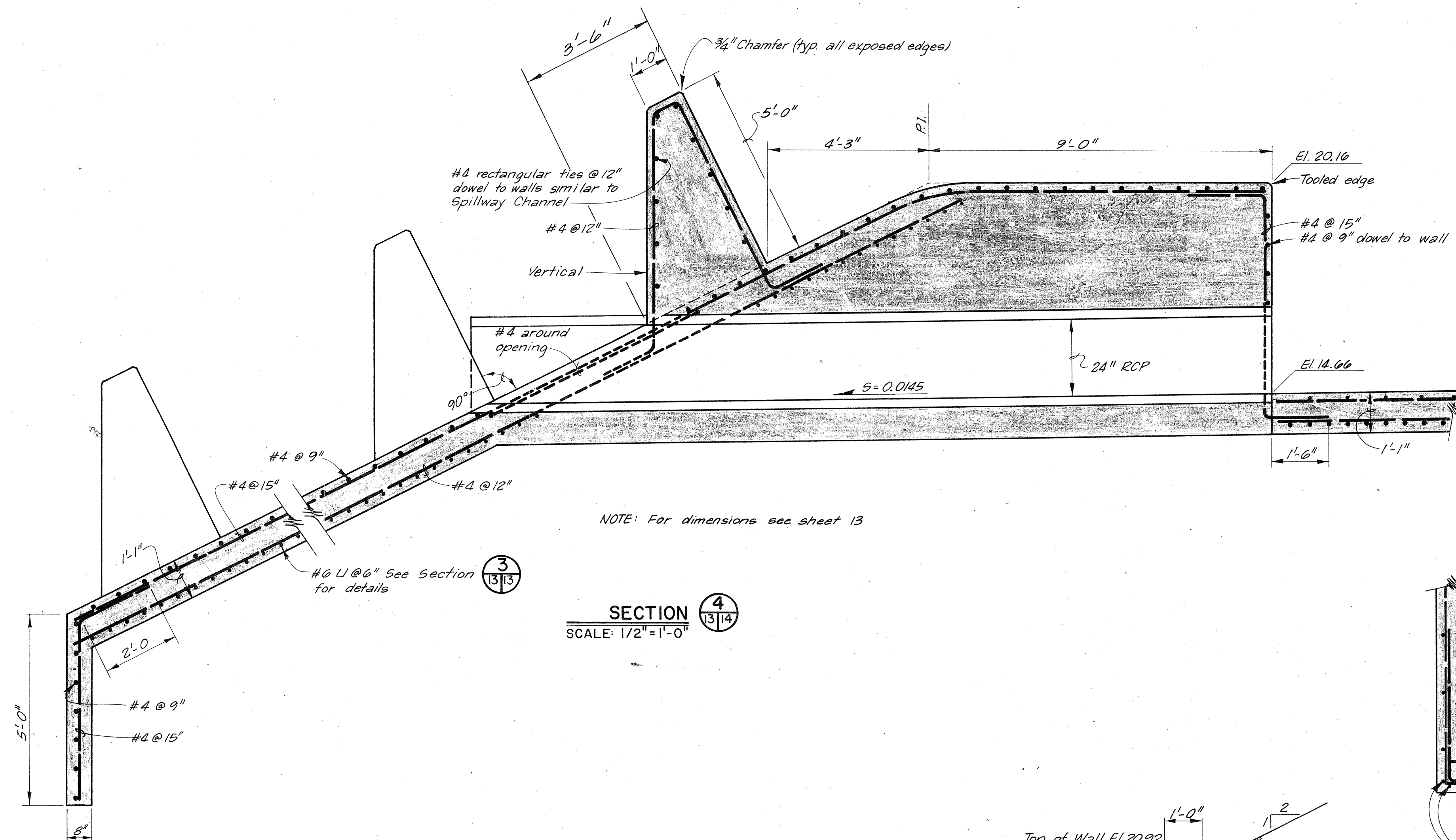
**JUAN TABO DETENTION DAM
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**OUTLET STRUCTURE
DETAILS**

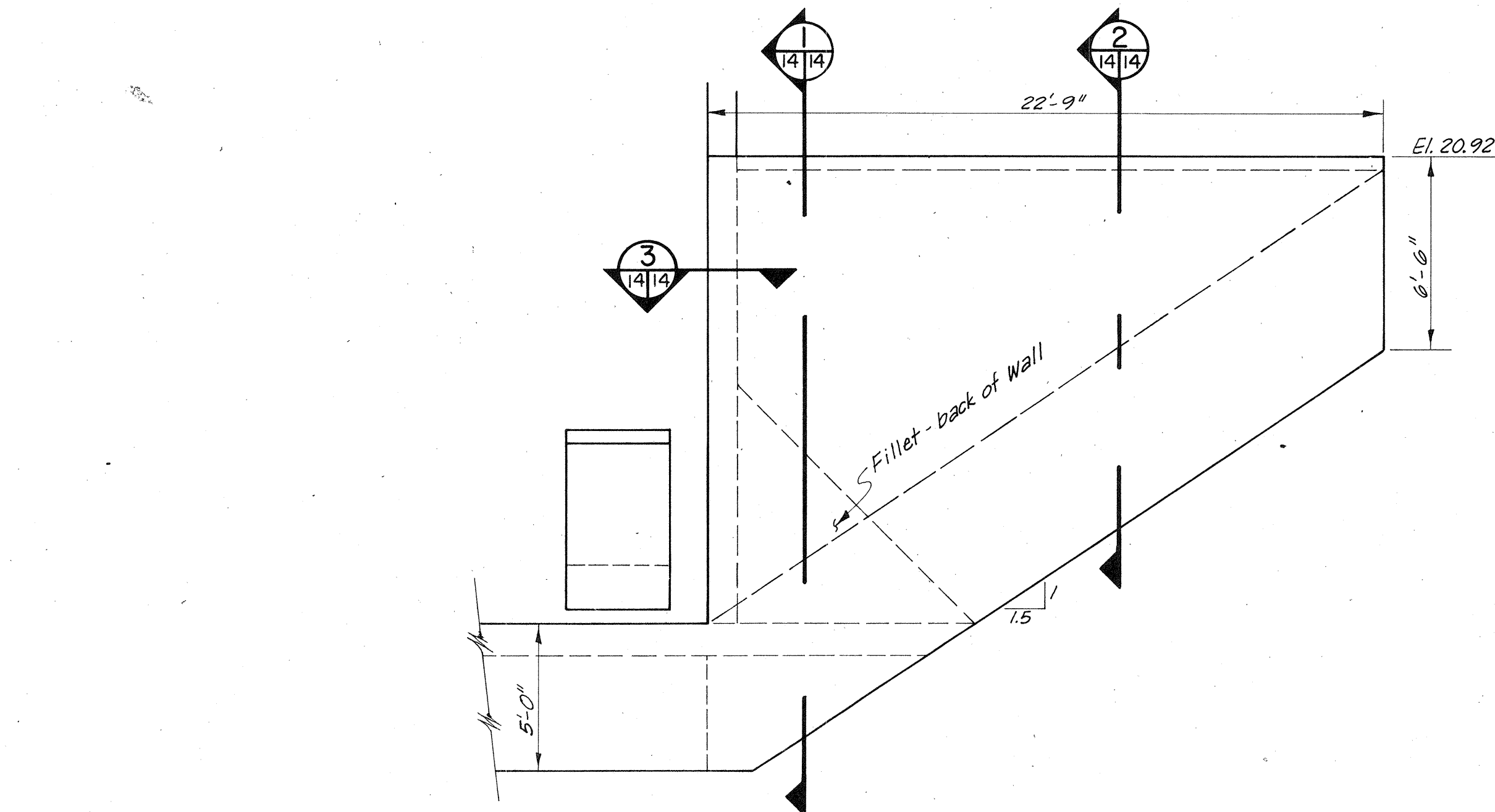
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albuquerque	bernallillo	county	new mexico
DATE Jan. 1976	JOB NO. 75020	SCALE As Shown	DRAWN R.J. CHK'D R.L.
			SHEET 13 OF 14

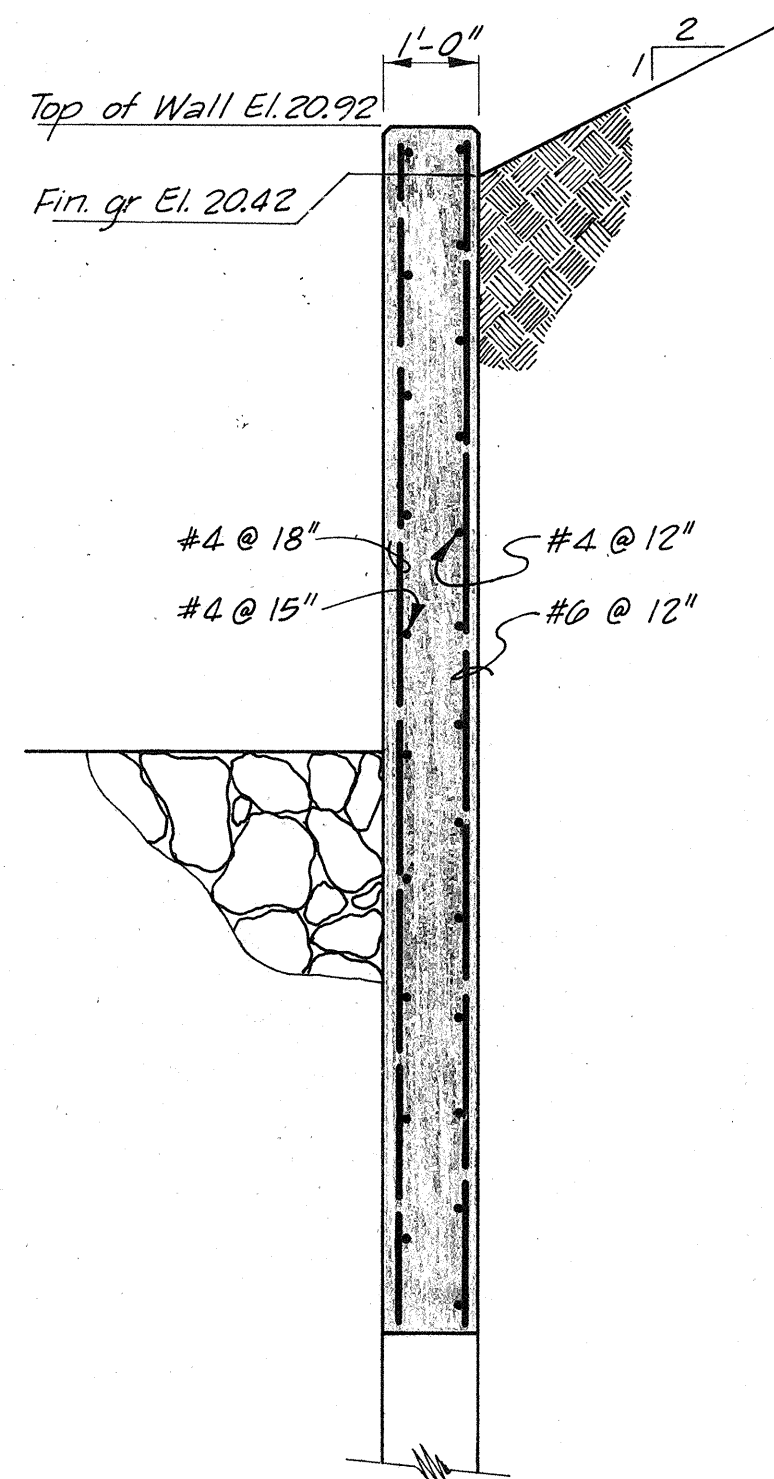
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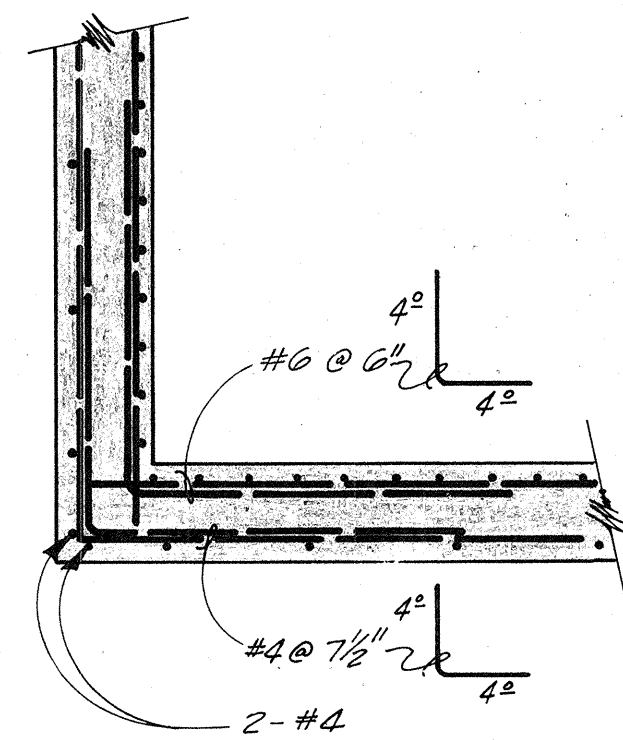
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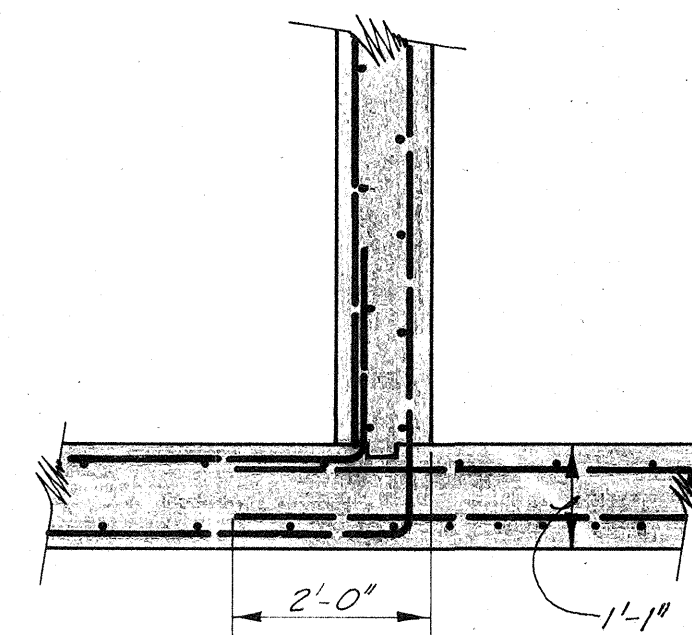
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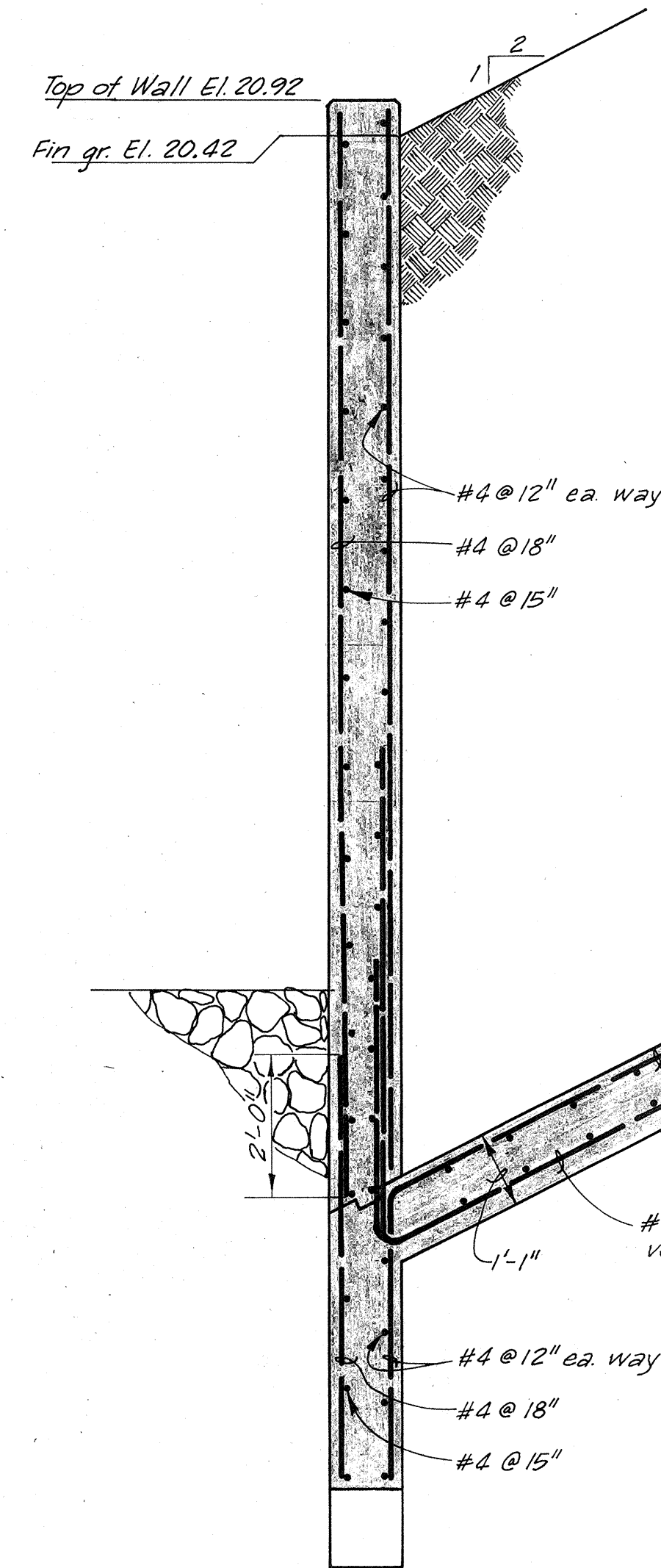
SECTION 2
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SECTION 3
SCALE: 1/2"=1'-0"



SECTION 4
SCALE: 1/2"=1'-0"



SECTION 4
SCALE: 1/2"=1'-0"

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
08	00	1	14	76																								

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OUTLET STRUCTURE
STRUCTURAL DETAILS

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Jan. 1976	75020	As Shown	CHK'D: R.L.
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			OF 14

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