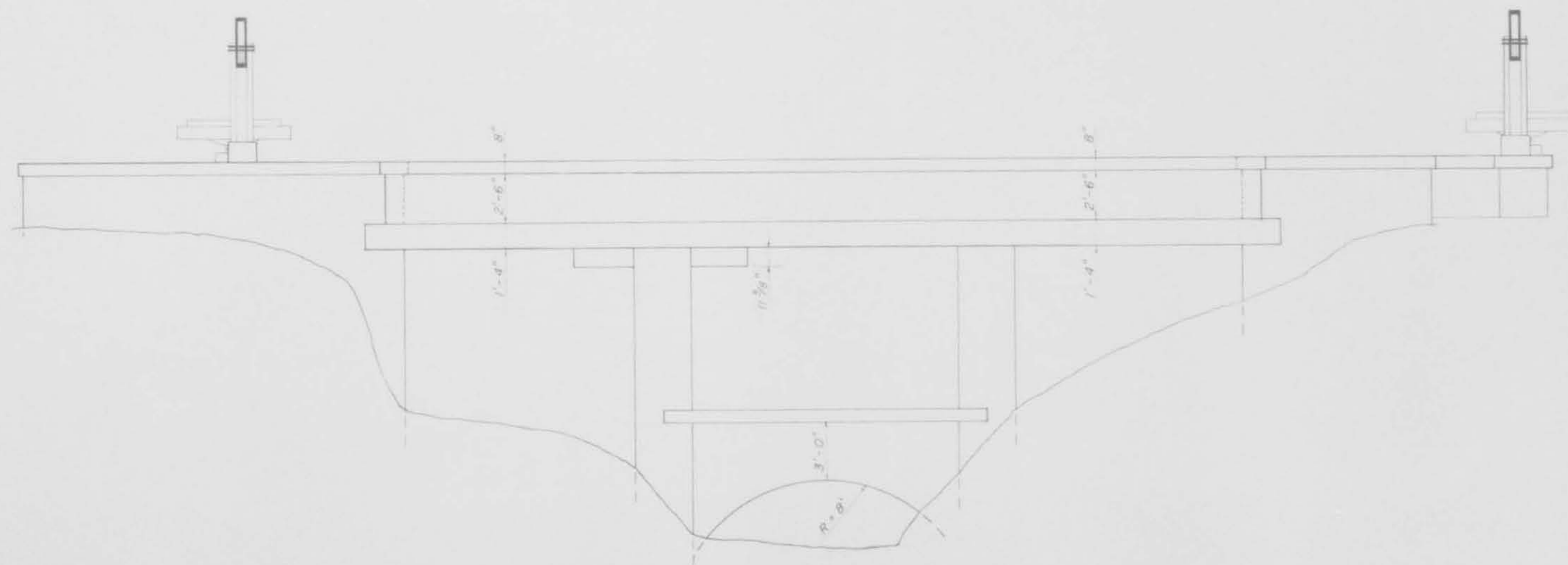


NORTH SIDE VIEW

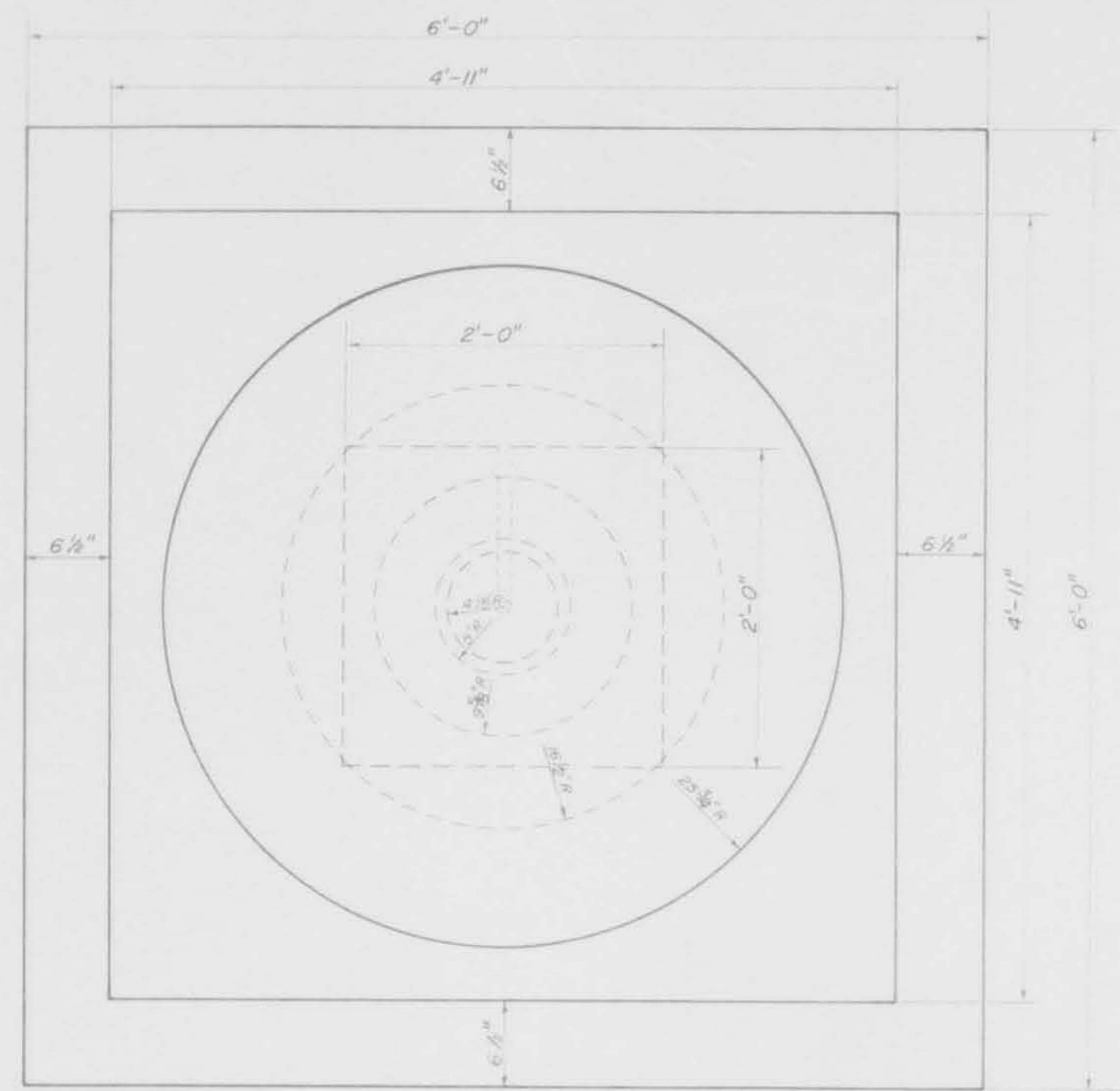
SCALE 1/4" = 1'-0"

SEE SHEET NUMBER 3 FOR PLASTER DETAILS.
SEE SHEET NUMBERS 7 & 8 FOR LIGHT STANDARD DETAILS.

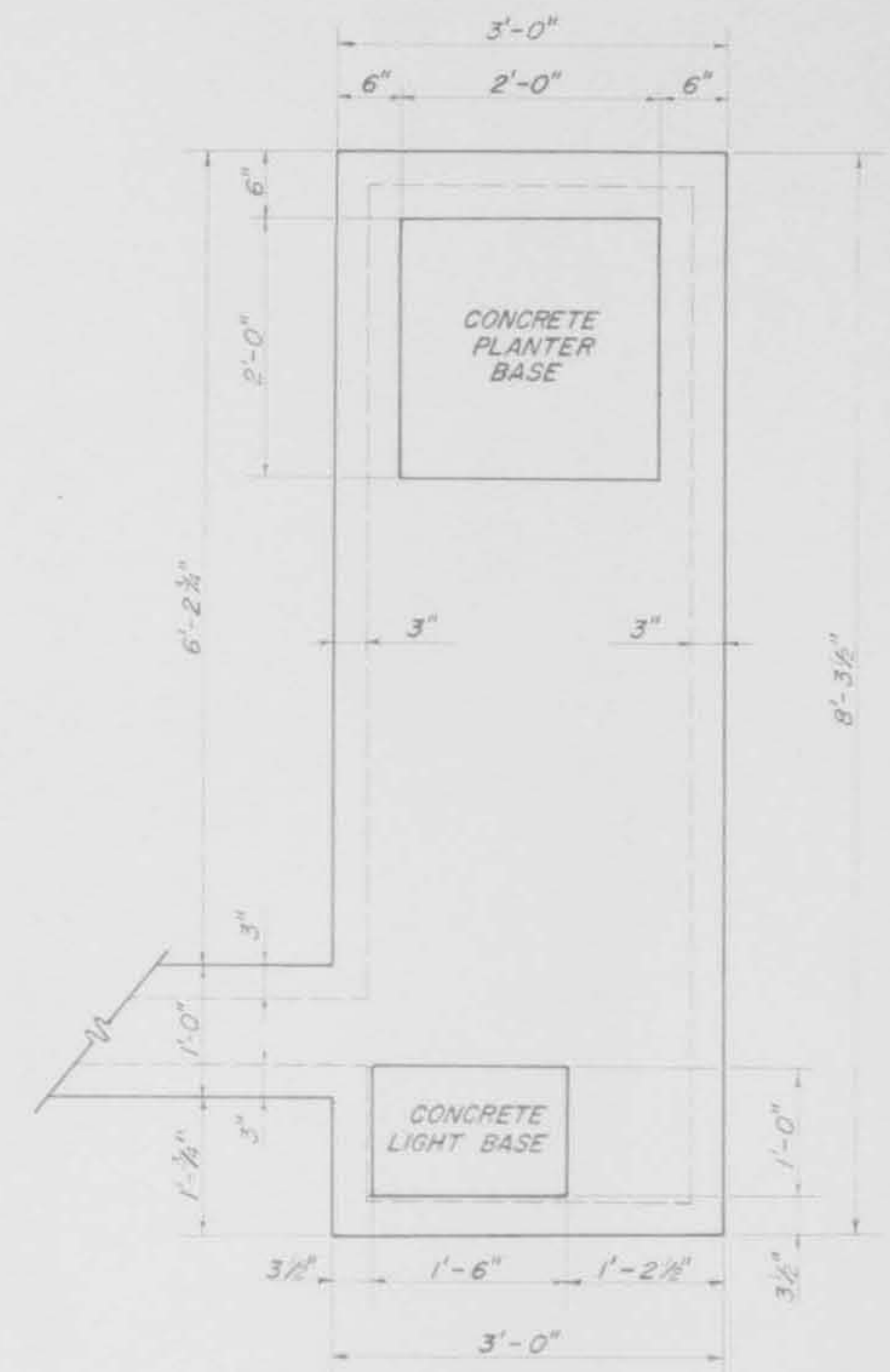
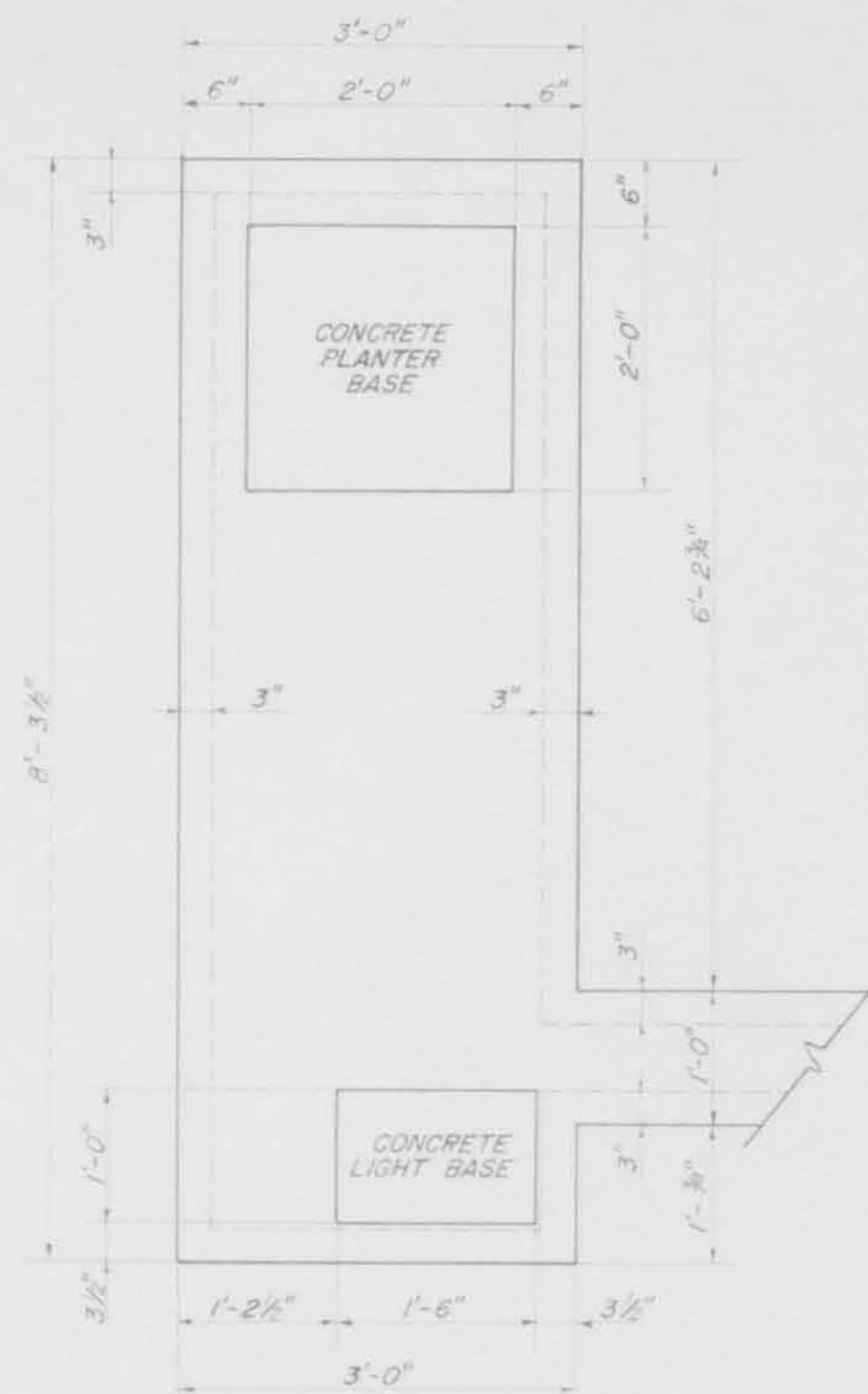


SOUTH SIDE VIEW

SCALE 1/4" = 1'-0"

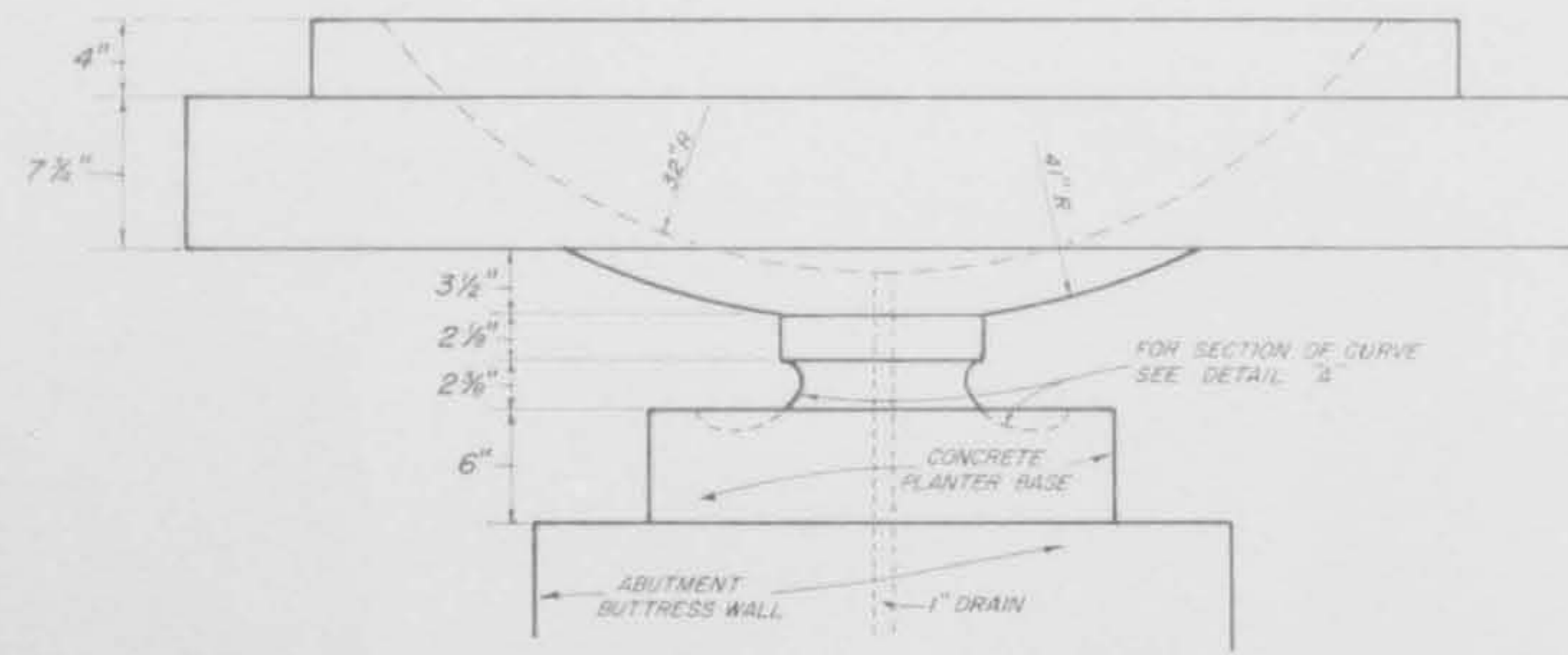


TOP VIEW



PLANTER AND LIGHT LOCATION
ON ABUTMENT BUTTRESS WALLS

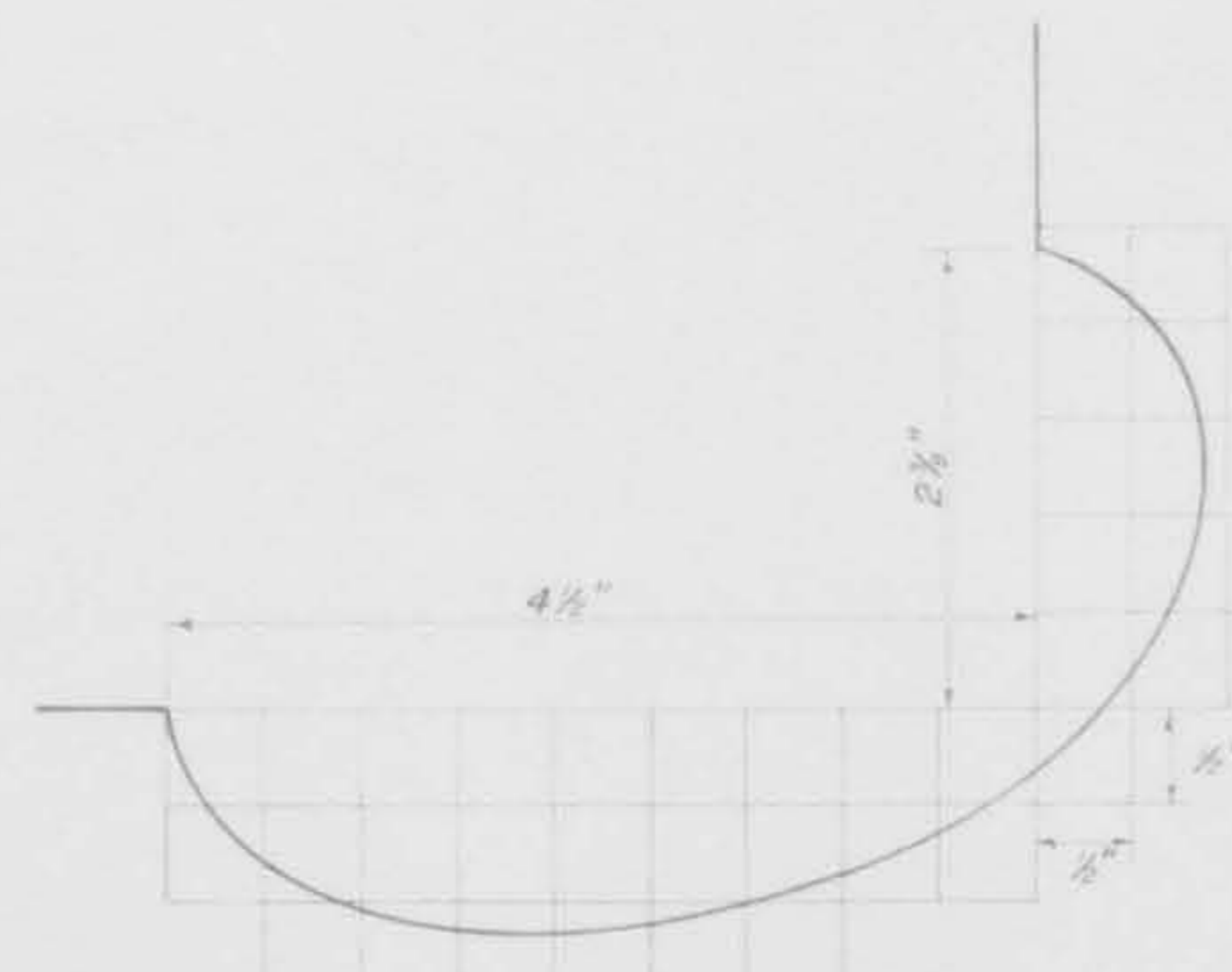
SCALE 1"=1'



SIDE VIEW

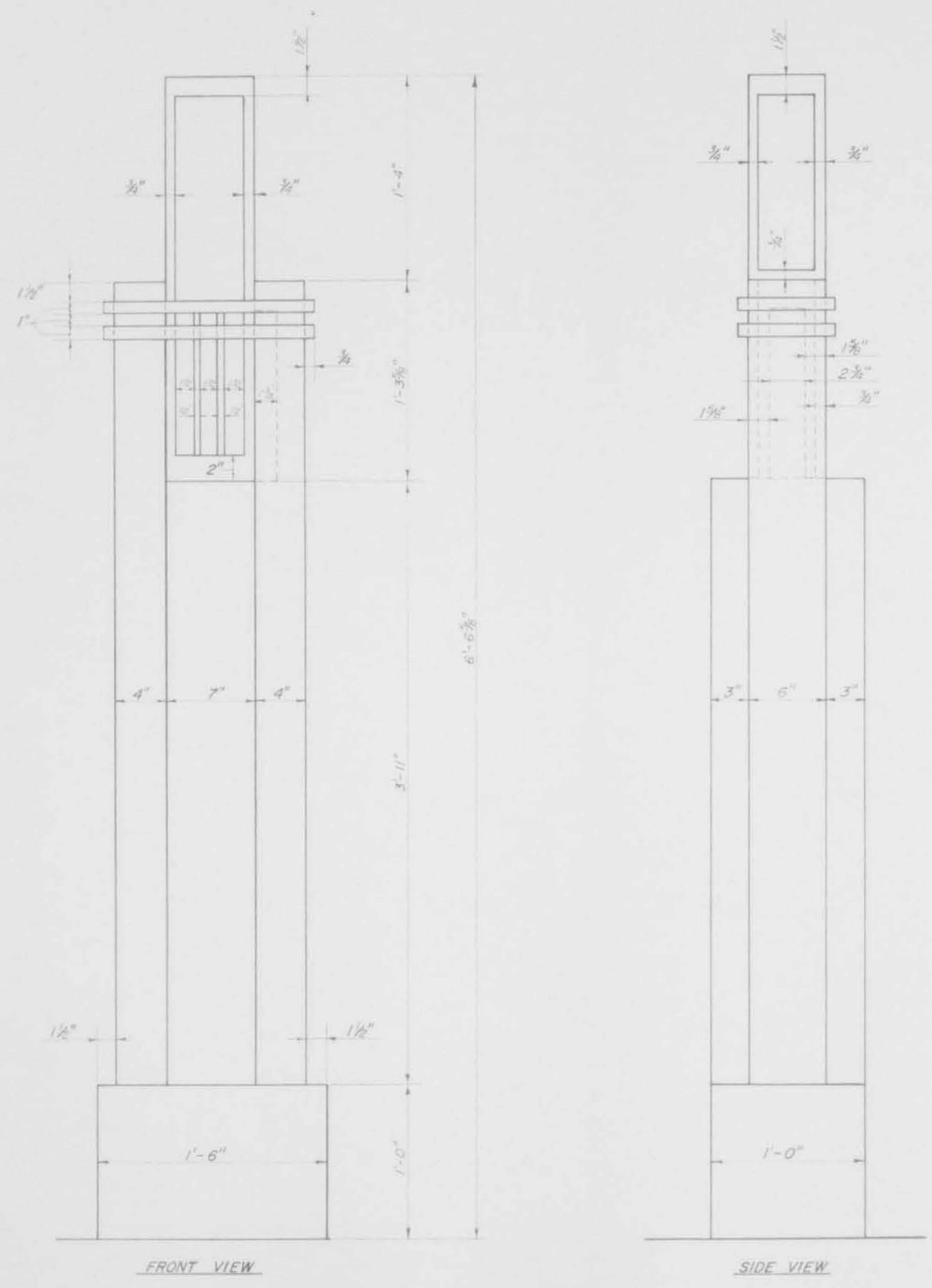
PLANTER DETAIL

SCALE 1 1/2"=1'



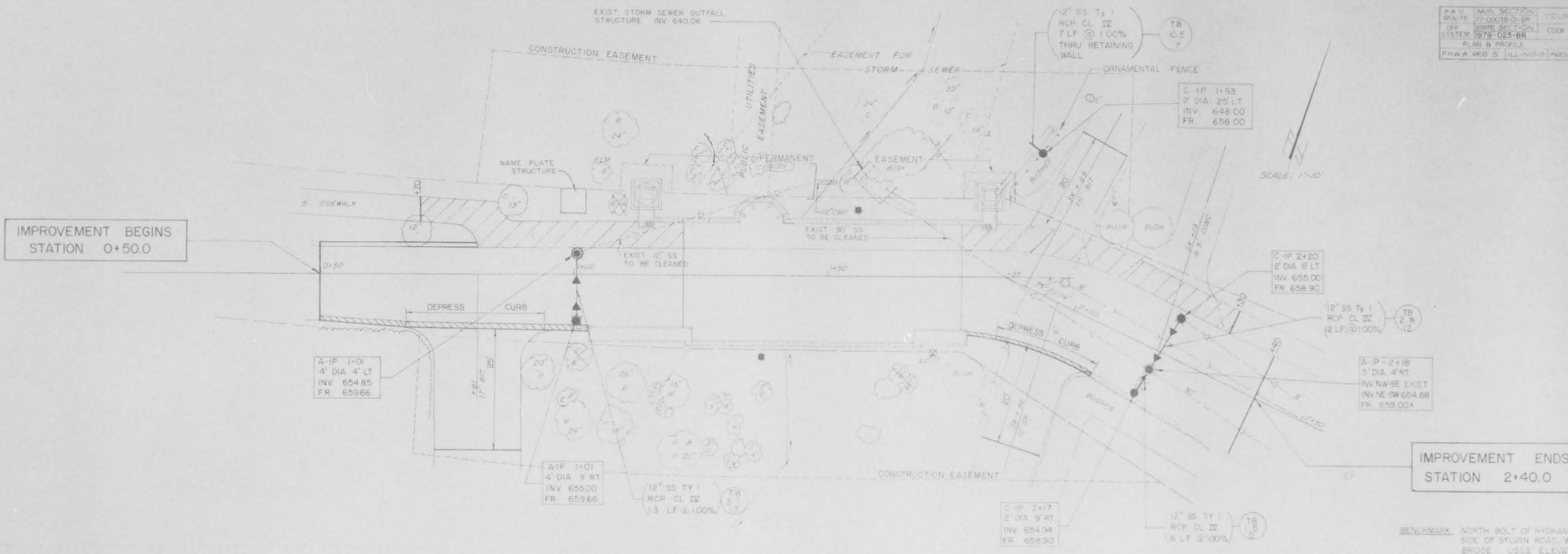
PLANTER DETAIL "A"

(ACTUAL SIZE)



LIGHTING STANDARD DETAIL
SCALE: 1" = 1/2'

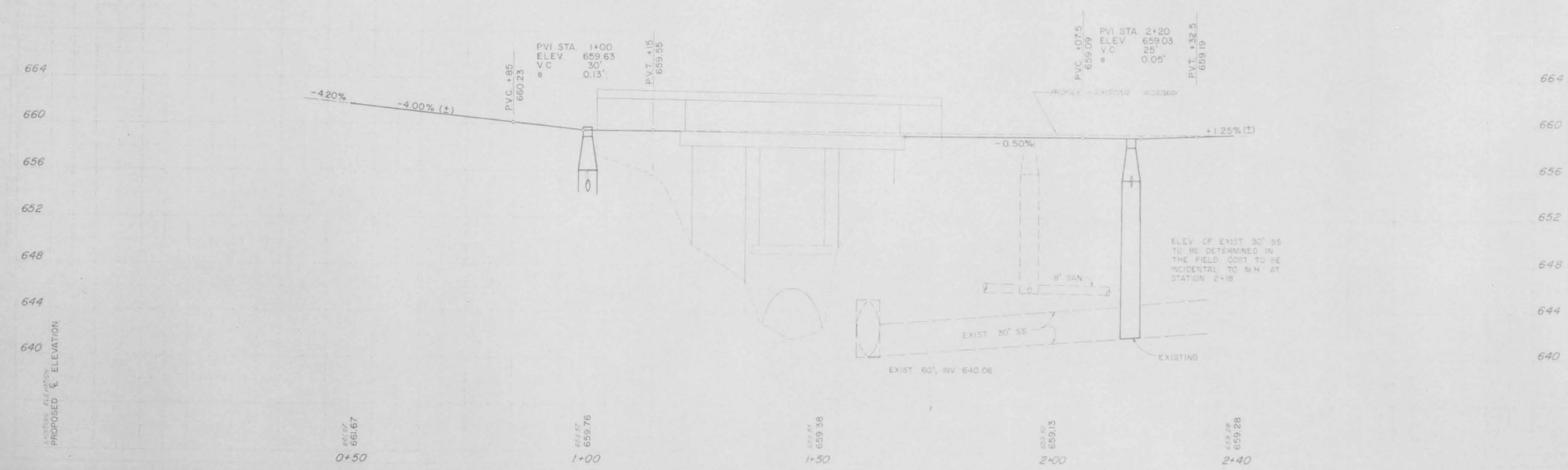
P.A. U.	ADJ. SECTION	COUNTY	TOWN	SHEET NO.
ROUTE	77-0003B Q-BR	COOK	22	4
OFF SYSTEM	1978-025-BR			
PLAN & PROFILE				
FHWA REG 5		PROJECT BR-05-D (41)		



IMPROVEMENT BEGINS
STATION 0+50.0

IMPROVEMENT ENDS
STATION 2+40.0

BENCHMARK: NORTH BOLT OF HYDRANT ON NORTH SIDE OF SYLVA ROAD, WEST OF BRIDGE USGS ELEVATION = 663.77



659.57
661.67
0+50

659.57
659.76
1+00

659.57
659.38
1+50

659.57
659.13
2+00

659.57
659.28
2+40

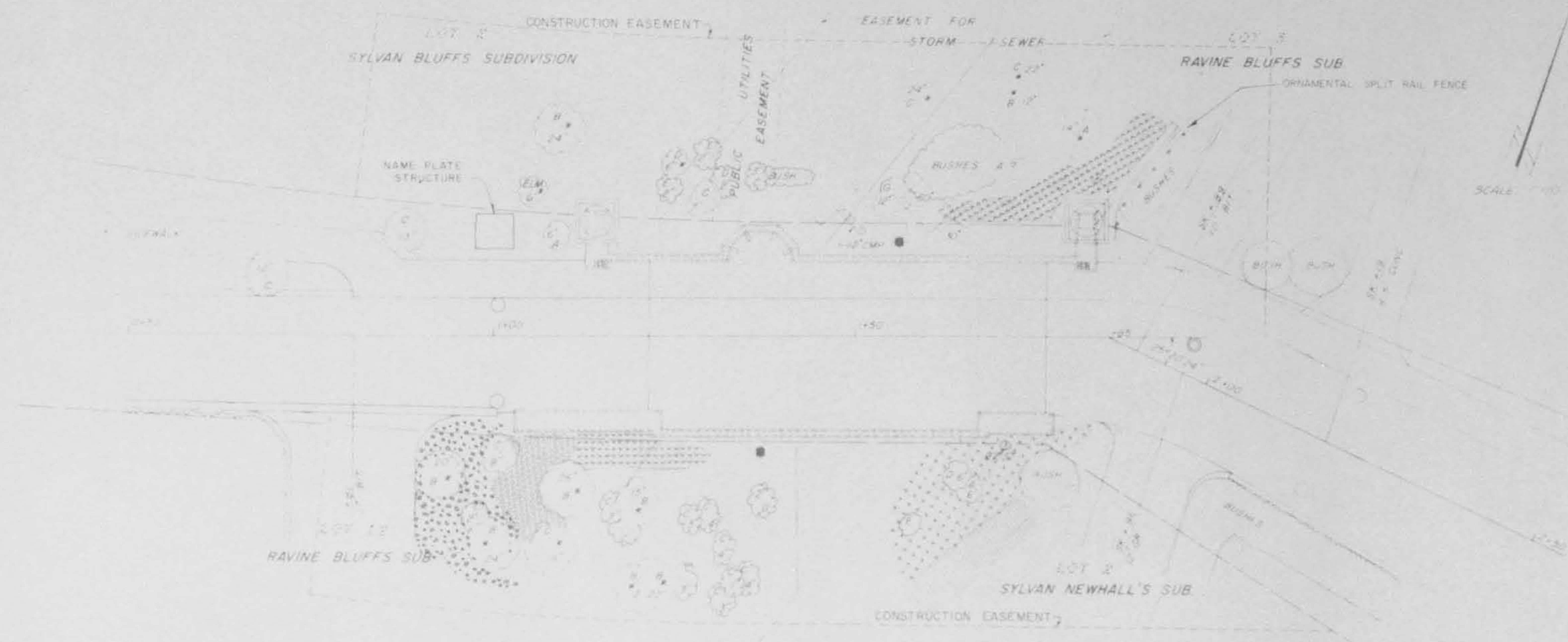
EXISTING ELEVATION
PROPOSED ELEVATION

PLAN

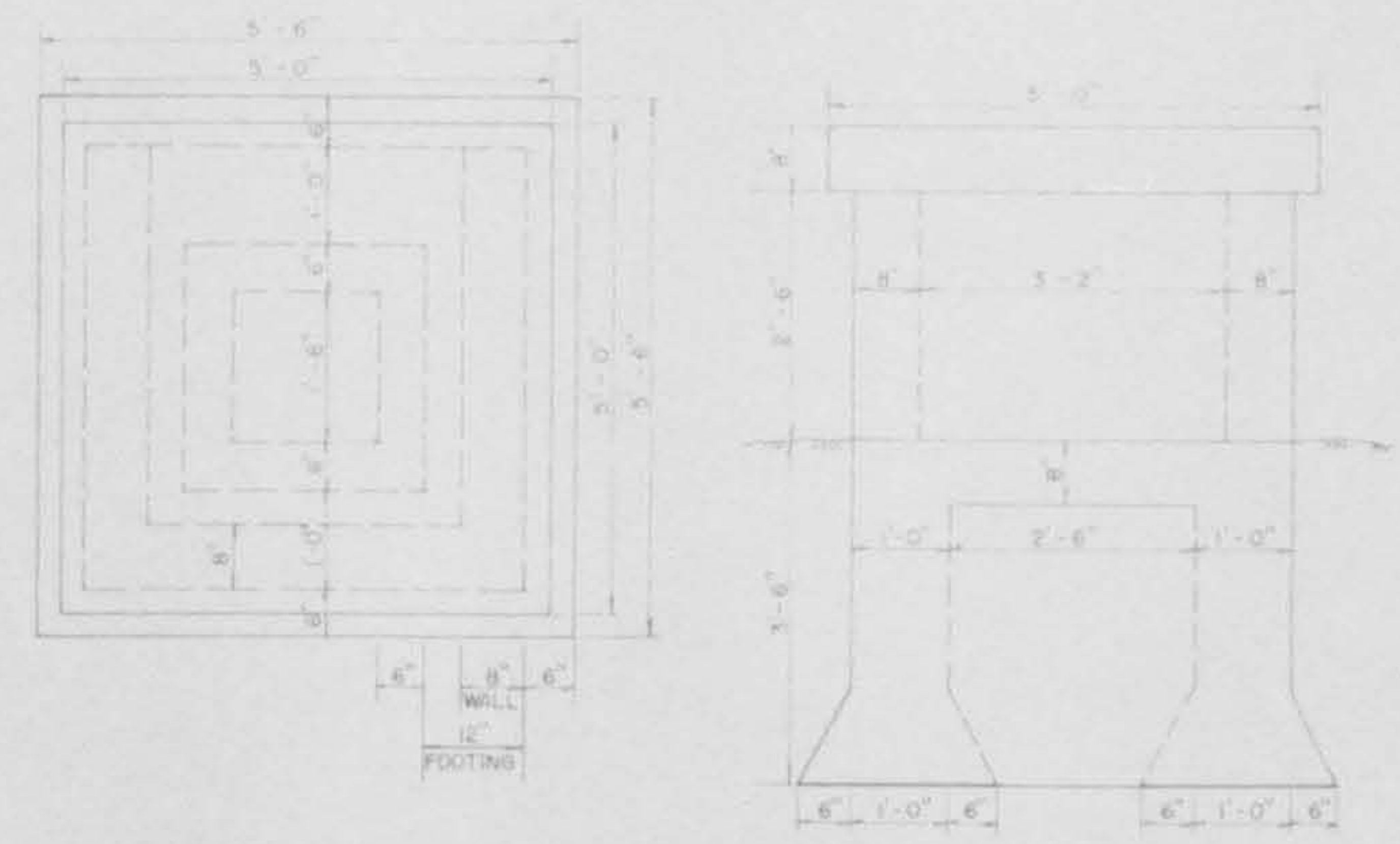
PROFILE

SCALE: 1"=40'

FA ROUTE	MIN SECTION	COUNTY	TOTAL SHEET
77-0003B-D-BR	77-0003B-D-BR	COOK	22
OFF SYSTEM	STATE SECTION	CDK	5
1978-023-BR	LANDSCAPING & SPECIAL DETAILS		
FHWA REG 5	ILLINOIS	PROJECT BR 05-D(14)	



NAME PLATE STRUCTURE
SCALE: 1" = 8'



TOP VIEW

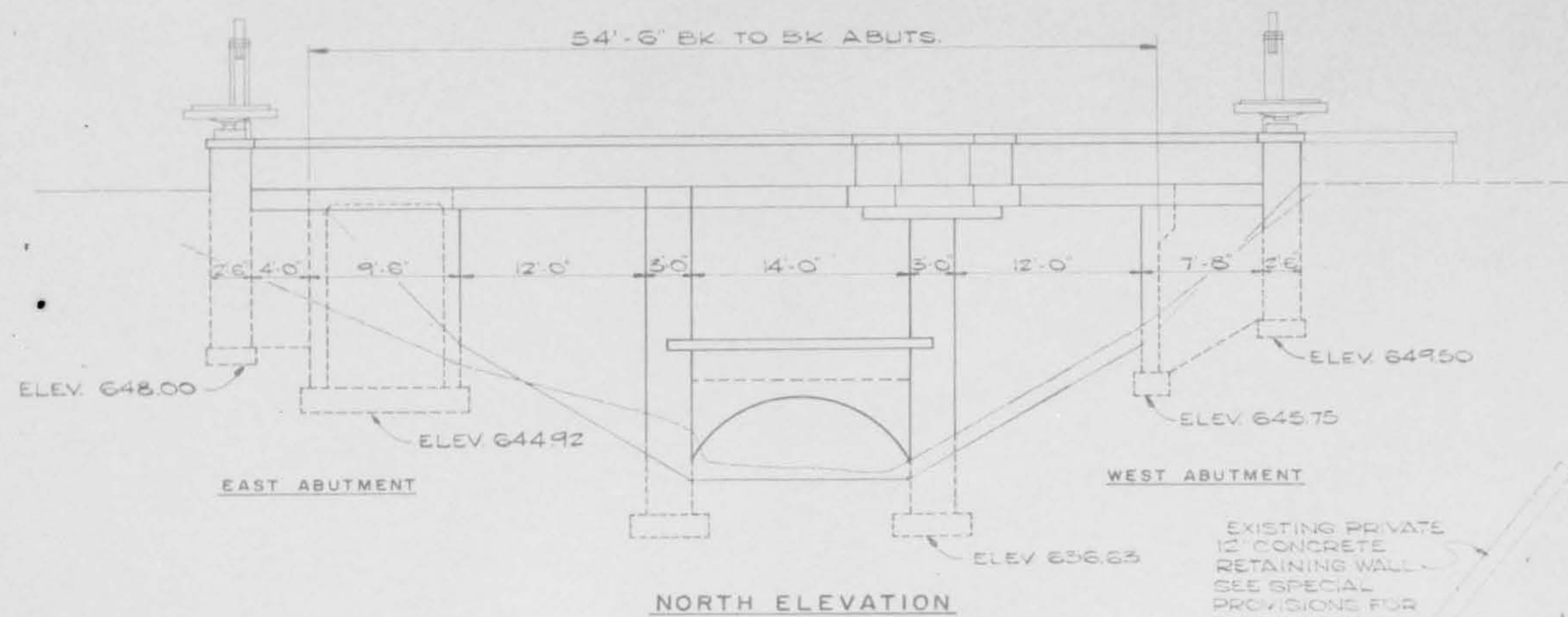
SIDE VIEW

LEGEND
(EXISTING TREES, SHRUBS & GROUNDCOVER)

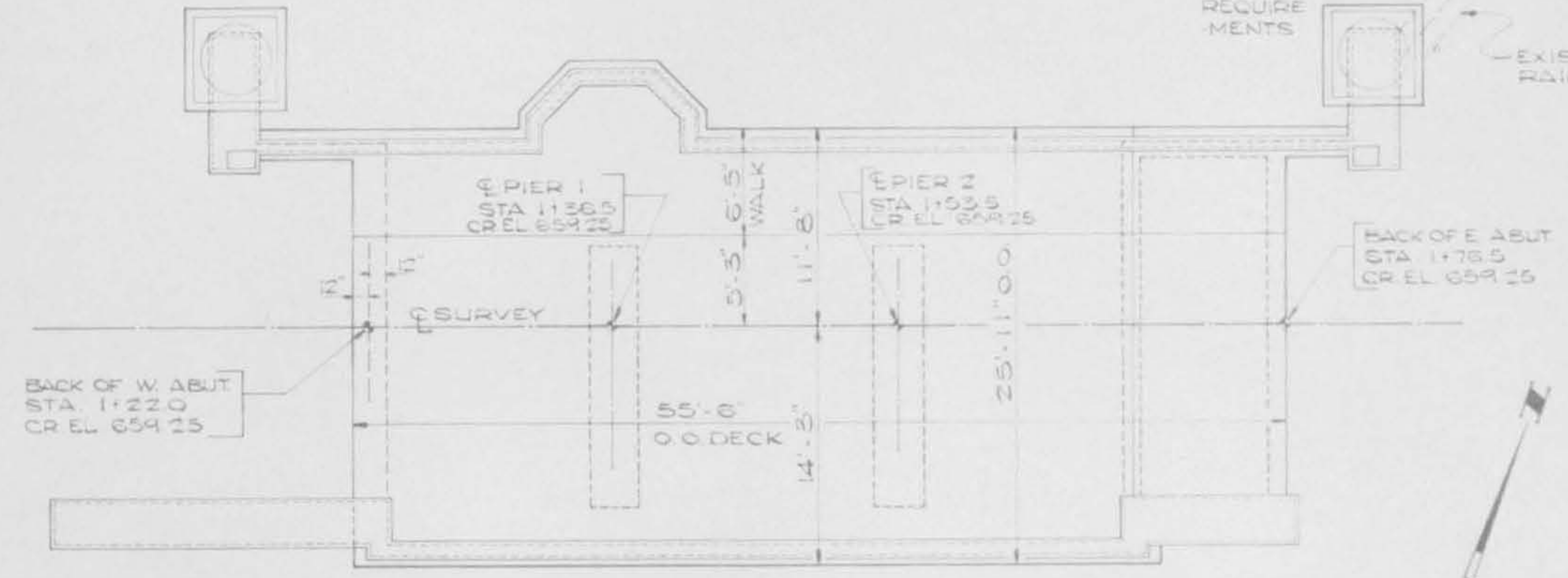
- 1. EXISTING AMERICAN WHITE BIRCH
- 2. EXISTING RED BARK PINE
- 3. EXISTING NORWAY SPRUCE
- 4. EXISTING DOGWOOD
- 5. EXISTING HYDRANGEA
- 6. EXISTING HYDRANGEA
- 7. EXISTING HYDRANGEA
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- 98. EXISTING HYDRANGEA
- 99. EXISTING HYDRANGEA
- 100. EXISTING HYDRANGEA

ORNAMENTAL SPLIT RAIL FENCE SHALL BE CAREFULLY MARKED REMOVED, REDEMED DURING CONSTRUCTION AND RESET IN THE ORIGINAL LOCATION AFTER CONSTRUCTION IS COMPLETE. SEE SPECIAL PROVISION.

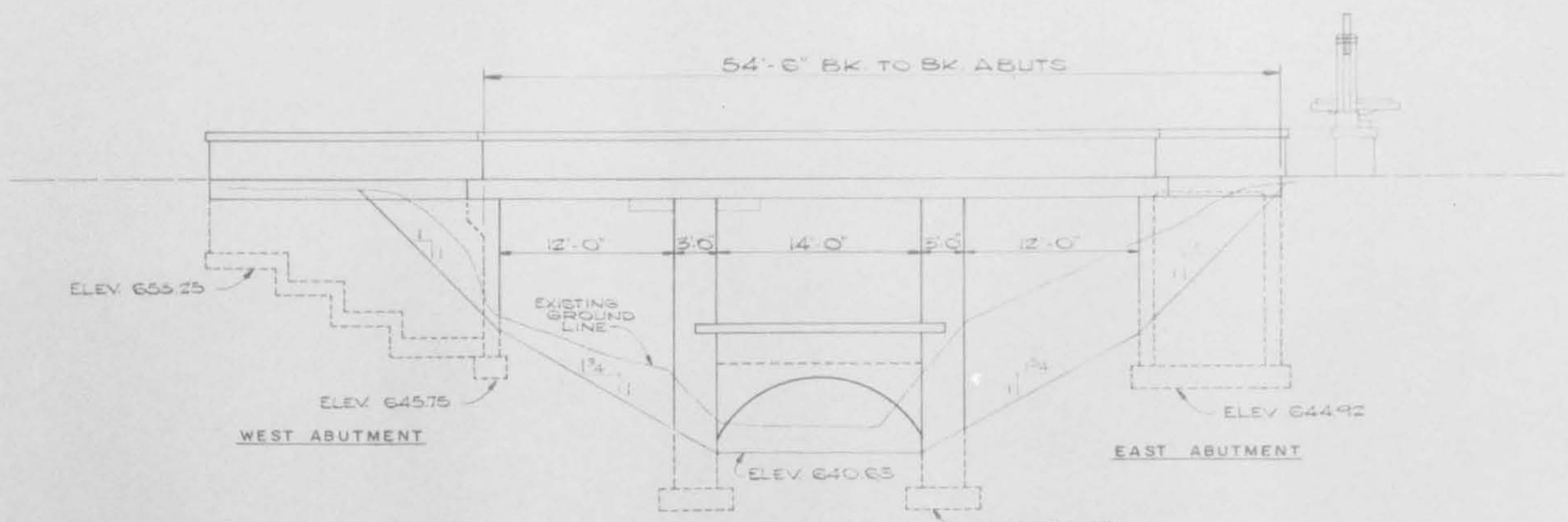
EXISTING BUSHES THAT INTERFERE WITH RETAINING WALL CONSTRUCTION SHALL BE REMOVED, TEMPORARILY TRANSPLANTED, MAINTAINED AND RESET IN THEIR ORIGINAL LOCATION BY A COMPETENT NURSERMAN UPON COMPLETION OF CONSTRUCTION. SEE SPECIAL PROVISION.



NORTH ELEVATION



PLAN VIEW



SOUTH ELEVATION

GENERAL NOTES

SEE PROPOSAL FOR BORING DATA.
 REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31 OR M-55 GRADE 60.
 THE CONTRACTOR SHALL MAKE ALLOWANCE FOR THE DEFLECTION OF FORMS, SHRINKAGE AND SETTLEMENT OF FALSEWORK, IN ADDITION TO ALLOWANCE FOR DEAD LOAD DEFLECTION.
 PLAN DIMENSIONS AND DETAILS RELATIVE TO THE PROPOSED STRUCTURE HAVE BEEN TAKEN FROM EXISTING "AS BUILT" PLANS AND ARE SUBJECT TO SLIGHT VARIATION. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY DIMENSIONS AND DETAILS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. ANY VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION. HOWEVER, FOR A CHANGE IN THE SCOPE OF THE WORK, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

EXISTING PRIVATE 12" CONCRETE RETAINING WALL. SEE SPECIAL PROVISIONS FOR CONSTRUCTION REQUIREMENTS.

LETTERING FOR NAMEPLATE REFER TO STD. Z11.3

EXISTING SPLIT RAIL FENCE

DESIGN STRESSES

FIELD (LOAD FACTOR)	PRECAST UNITS
$f_t = 60,000$ psi	$f_c = 4500$ psi
$f'_c = 3500$ psi	$f_c = 1800$ psi
$v_c = 118$ psi	$f_s = 24,000$ psi
$n = 9$ USE FOR SERVICEABILITY REQUIREMENT	$n = 8$

NOTE:

STRUCTURE DESIGNED IN ACCORDANCE WITH AASHTO SPECIFICATIONS DATED 1977 AND INTERIM SPECIFICATIONS DATED 1978 THRU 1983. VARIANCES AS TO BRIDGE CROSS SECTION WIDTH AND RAILING WERE PREVIOUSLY APPROVED. REFER TO ORIGINAL PROJECT REPORT.

LOADING HS 20-44
 SEE NOTE FOR DESIGN DEVIATIONS

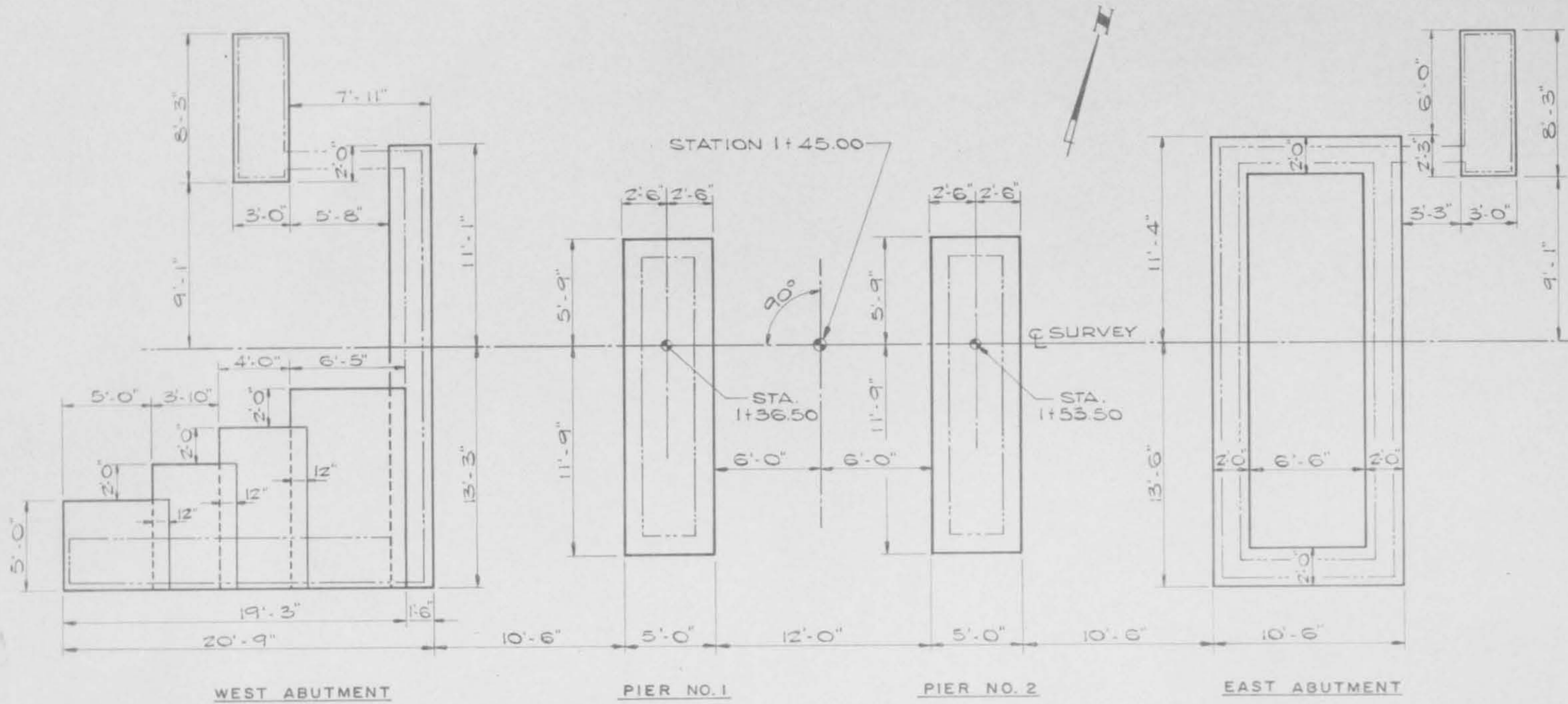


GENERAL PLAN & ELEVATION
 SECTION 77-00038-01-BR
 SYLVAN ROAD BRIDGE
 VILLAGE OF GLENCOE

HAMPTON, LENZINI AND RENWICK, INC.
 CIVIL ENGINEERS

WILLET OFMANN & ASSOCIATES, INC.
 STRUCTURAL ENGINEERS

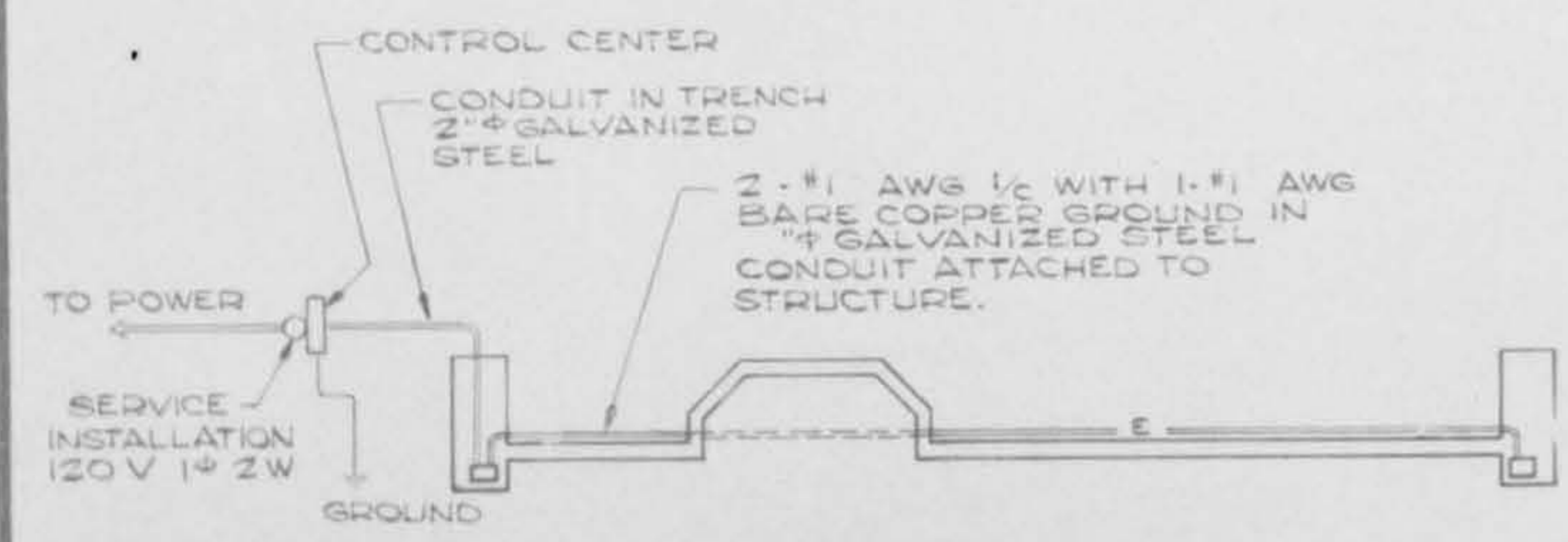
DESIGN B.T. NOV. 85 DRAWN R.R. DEC. 85 CHECKED D.H. NOV. 85



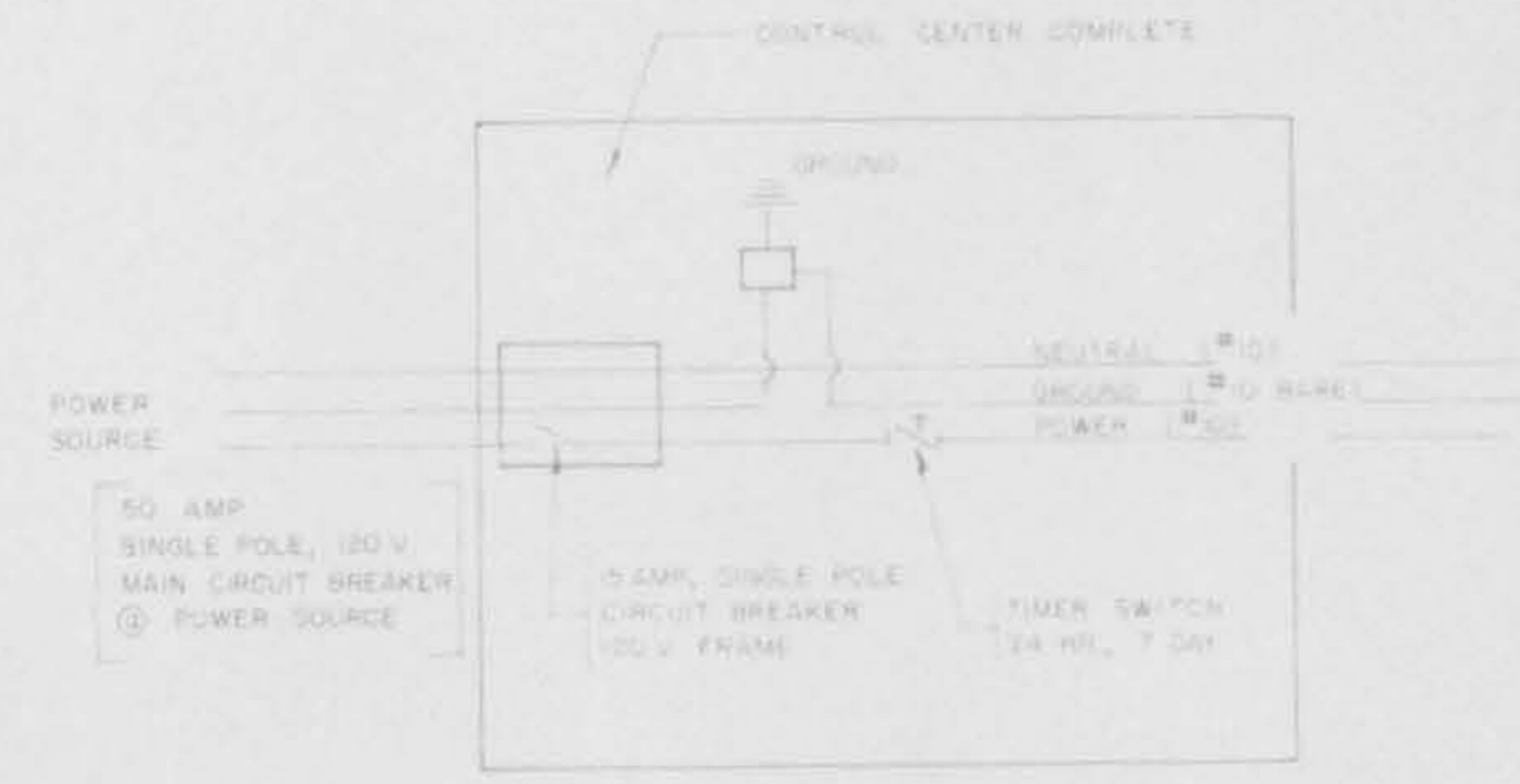
FOOTING LAYOUT
 SCALE: 1/2" = 1'-0"

BILL OF MATERIAL - BRIDGE

ITEM	UNIT	SUB.	SUPER.	TOTAL
REMOVAL OF EXISTING STRUCTURES	EACH			1
STRUCTURE EXCAVATION	CU YD	500		500
PROTECTIVE COAT	SQ. YD.		247	247
CLASS X CONCRETE	CU. YD.	1899	71.3	1970.3
HANDRAIL CONCRETE	CU YD.		18.7	18.7
REINFORCEMENT BARS	POUND	14010	210	14220
REINFORCEMENT BARS (EPOXY COATED)	POUND		9550	9550
NAME PLATES	EACH		1	1
SAND BACKFILL	CU. YD.	72		72
LIGHT FIXTURE - COMPLETE	EACH		2	2
PRECAST CONCRETE LIGHT BASE	EACH		2	2
PRECAST CONCRETE PLANTERS	EACH		2	2
PRECAST CONCRETE SEAT	LUMPSUM		1	1
REPAIR CONCRETE WALL - SPECIAL	LUMPSUM			1
CONDUIT IN TRENCH - 2" DIA. GALVANIZED STEEL	LIN. FT.			90
CONDUIT ATTACHED TO STRUCTURE - 2" DIA. GALVANIZED STEEL	LIN. FT.			90
ELECTRIC CABLE IN CONDUIT, 600V (PLASTIC INSULATED) 1/2" NO. 1	LIN. FT.			340
ELECTRIC CABLE IN CONDUIT, 600V (PLASTIC INSULATED) 1/2" NO. 8	LIN. FT.			
ELECTRIC CONDUCTOR (BARE ANNEALED COPPER) NO. 1	LIN. FT.			170
TRENCH AND BACKFILL	LIN. FT.			40
CONTROL CENTER COMPLETE	EACH			1
SERVICE INSTALLATION	EACH			1



LIGHTING SYSTEM DIAGRAM



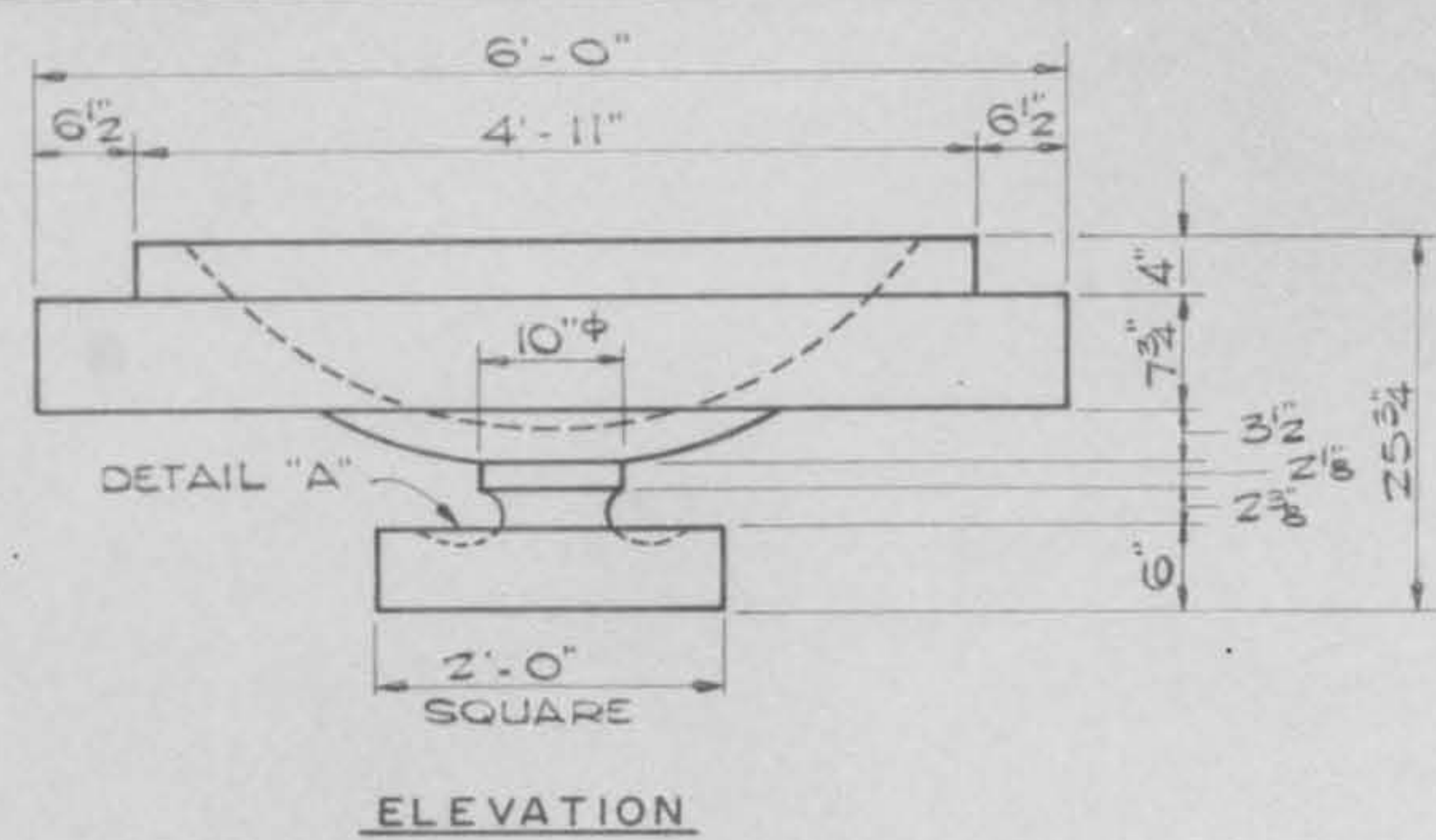
CONTROL CABINET WIRING DIAGRAM

BILL OF MATERIAL - ELECTRICAL

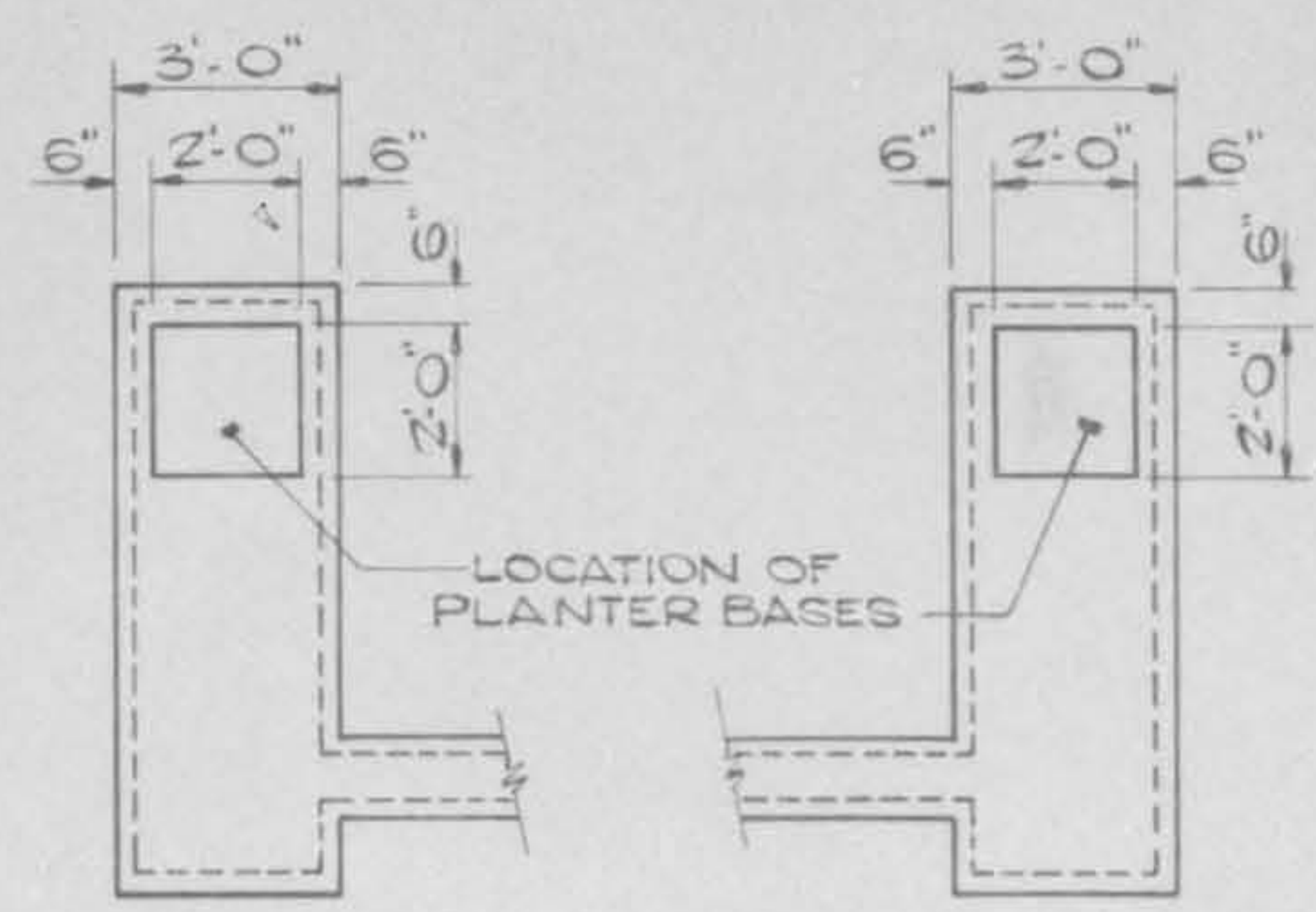
ITEM	QUANT
CONDUIT IN TRENCH - 2" DIA. GALVANIZED STEEL	LIN. FT.
CONDUIT ATTACHED TO STRUCTURE - 2" DIA. GALVANIZED STEEL	LIN. FT. 90
ELECTRIC CABLE IN CONDUIT, 600V (PLASTIC INSULATED) 1/2" NO. 1	LIN. FT. 340
ELECTRIC CABLE IN CONDUIT, 600V (PLASTIC INSULATED) 1/2" NO. 8	LIN. FT.
ELECTRIC CONDUCTOR (BARE ANNEALED COPPER) NO. 1	LIN. FT. 170
TRENCH AND BACKFILL	LIN. FT. 40
CONTROL CENTER COMPLETE	EACH 1
SERVICE INSTALLATION	EACH 1

NOTE: CONDUITS SHALL EXTEND UP THE LIGHT BASE TO THE BASE OF THE LIGHT FIXTURE.

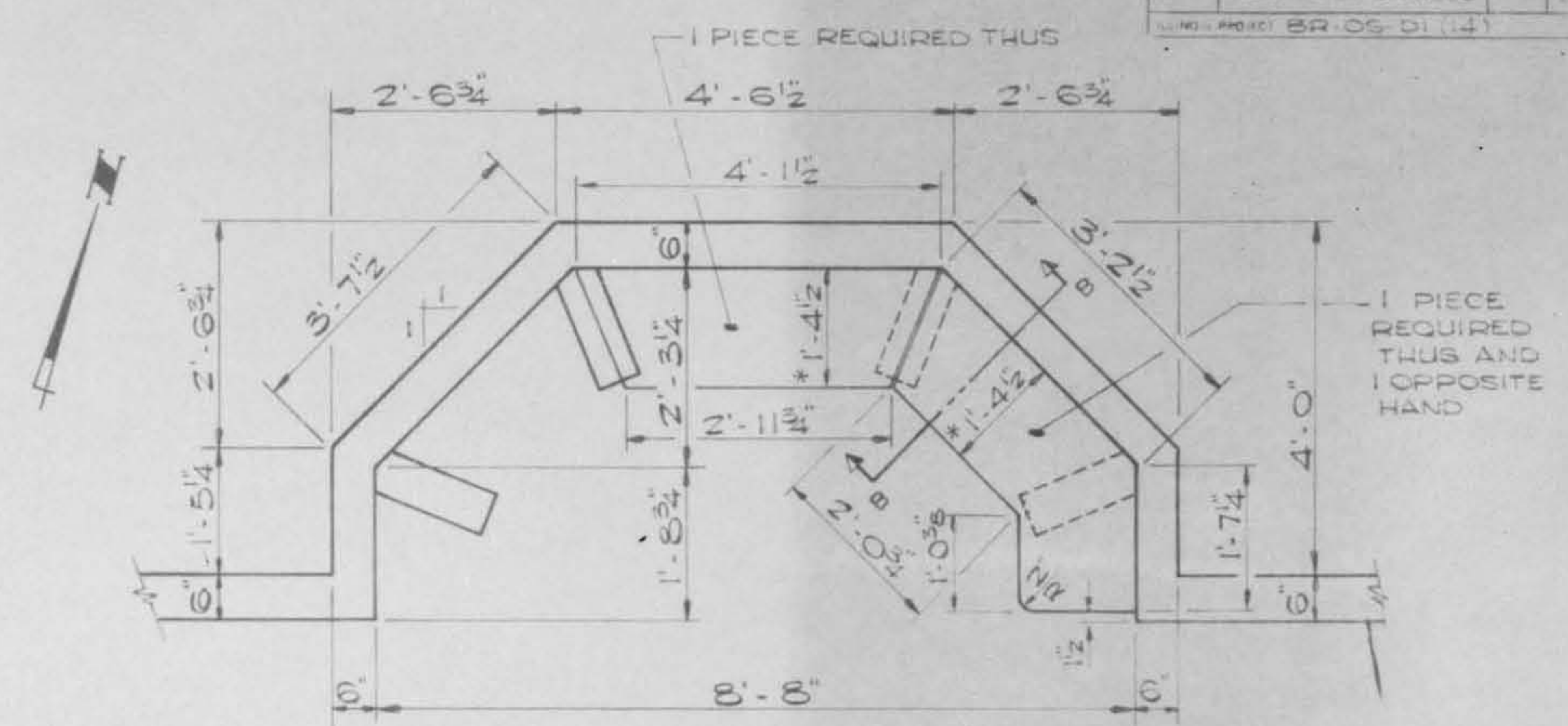
FOOTING LAYOUT & LIGHTING SYSTEM
 SECTION 77-00038-01-BR
 SYLVAN ROAD BRIDGE
 VILLAGE OF GLENCOE



ELEVATION

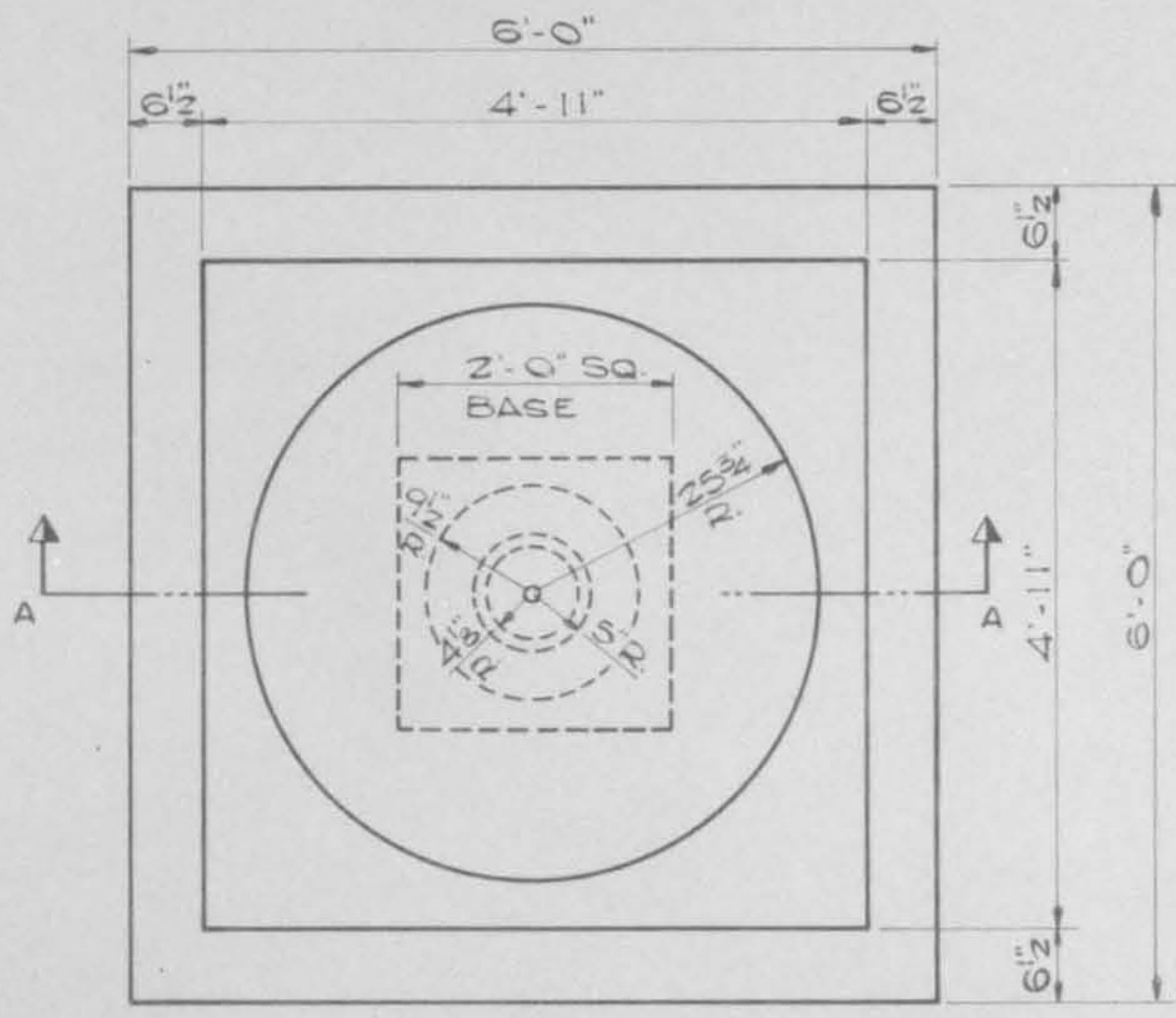


PLANTER LOCATION



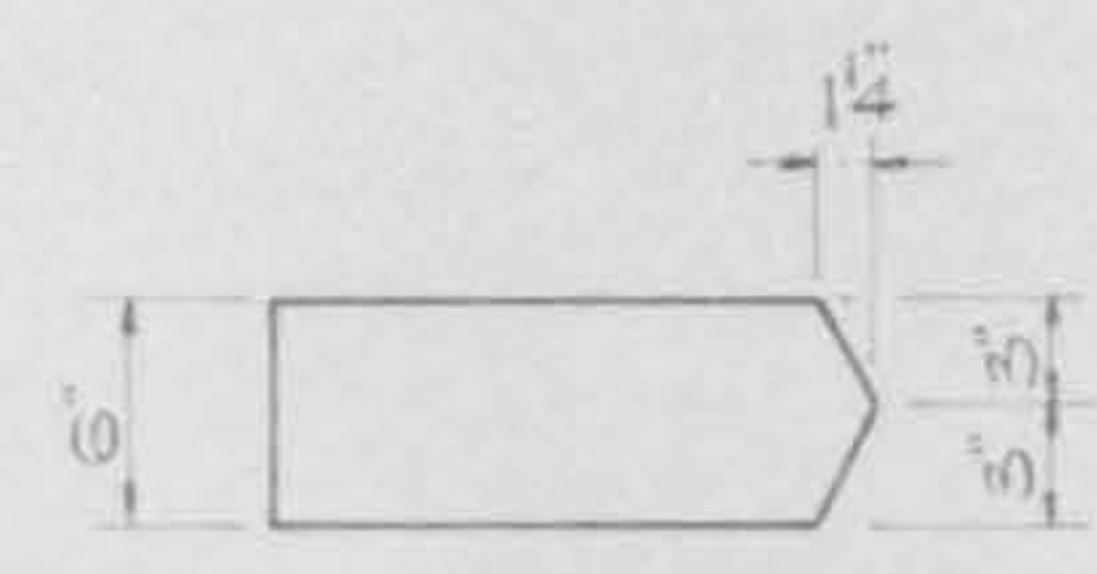
* SEE SECTION B-B BELOW

PLAN VIEW - SEAT AREA

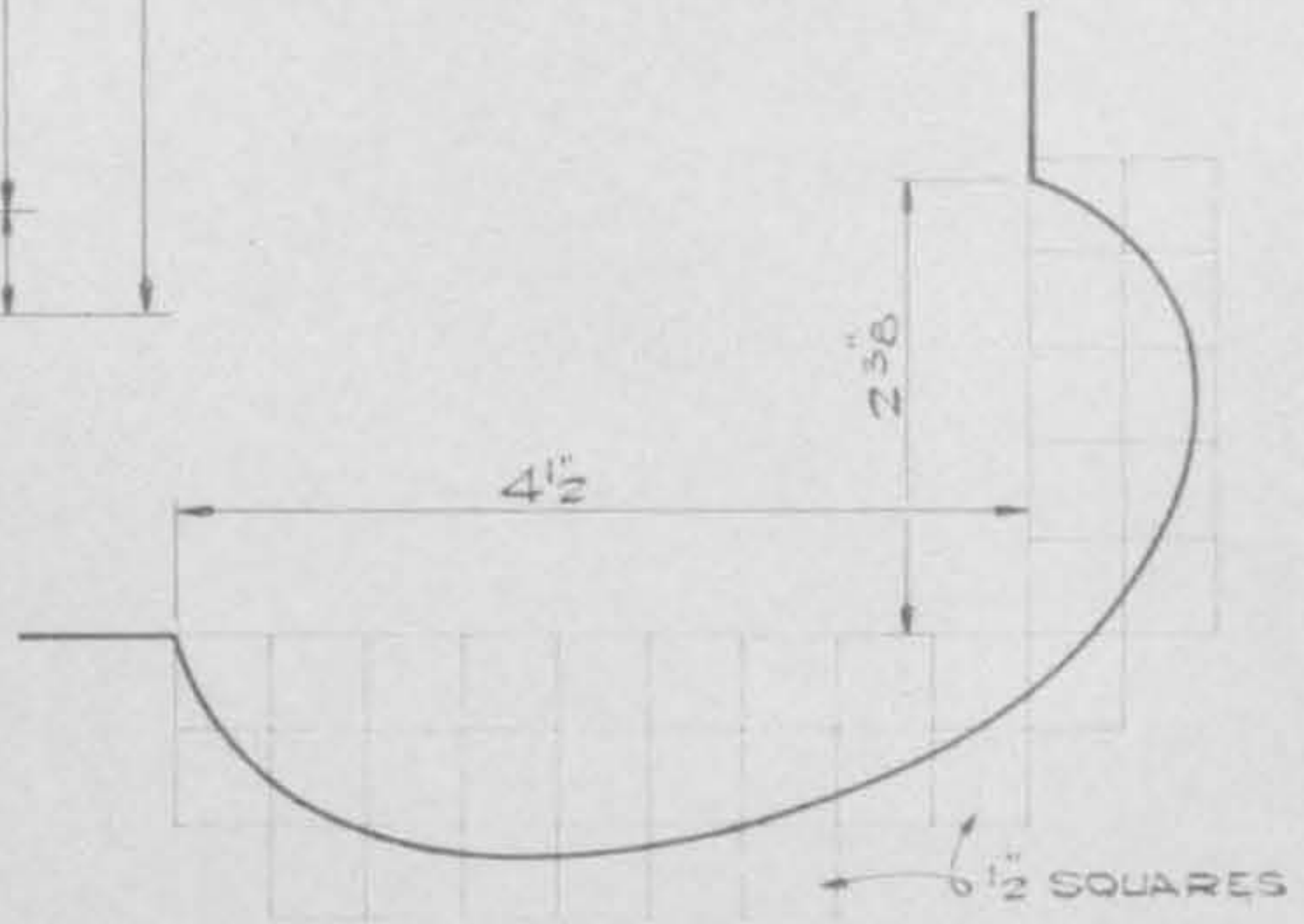


PLAN - PRECAST PLANTER

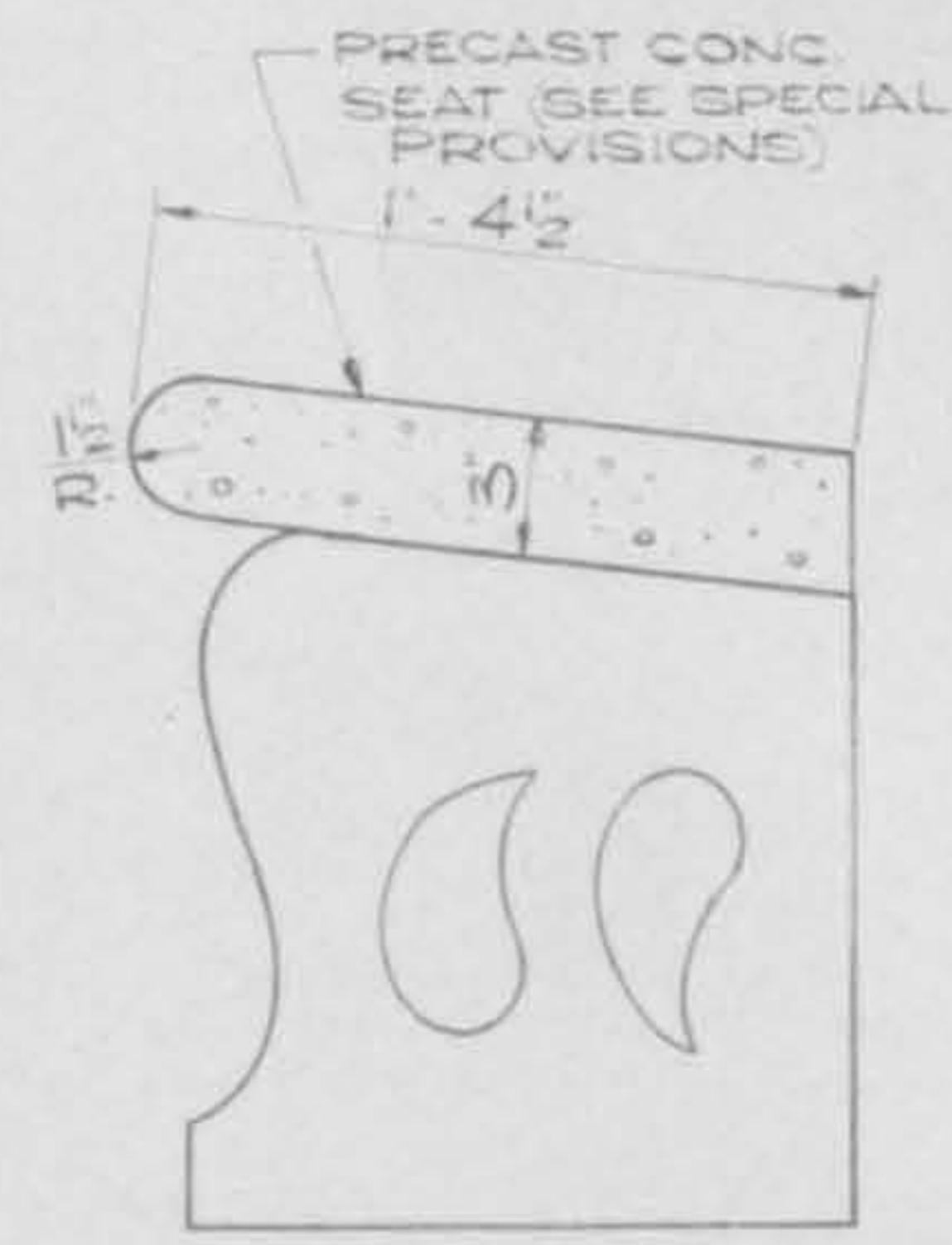
SCALE: 1" = 1'-0"



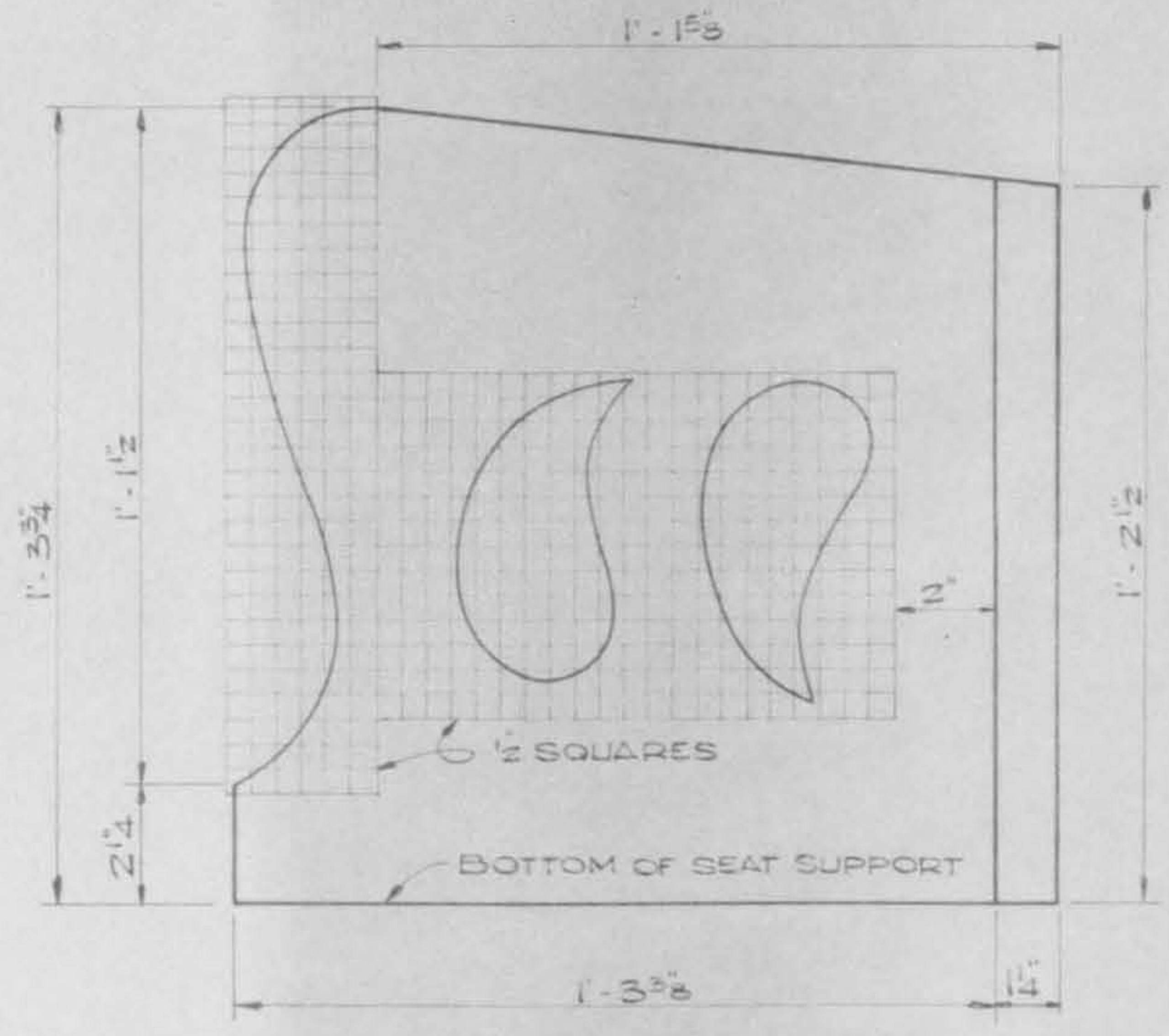
PLAN - SEAT SUPPORT



DETAIL "A"
(FULL SIZE)

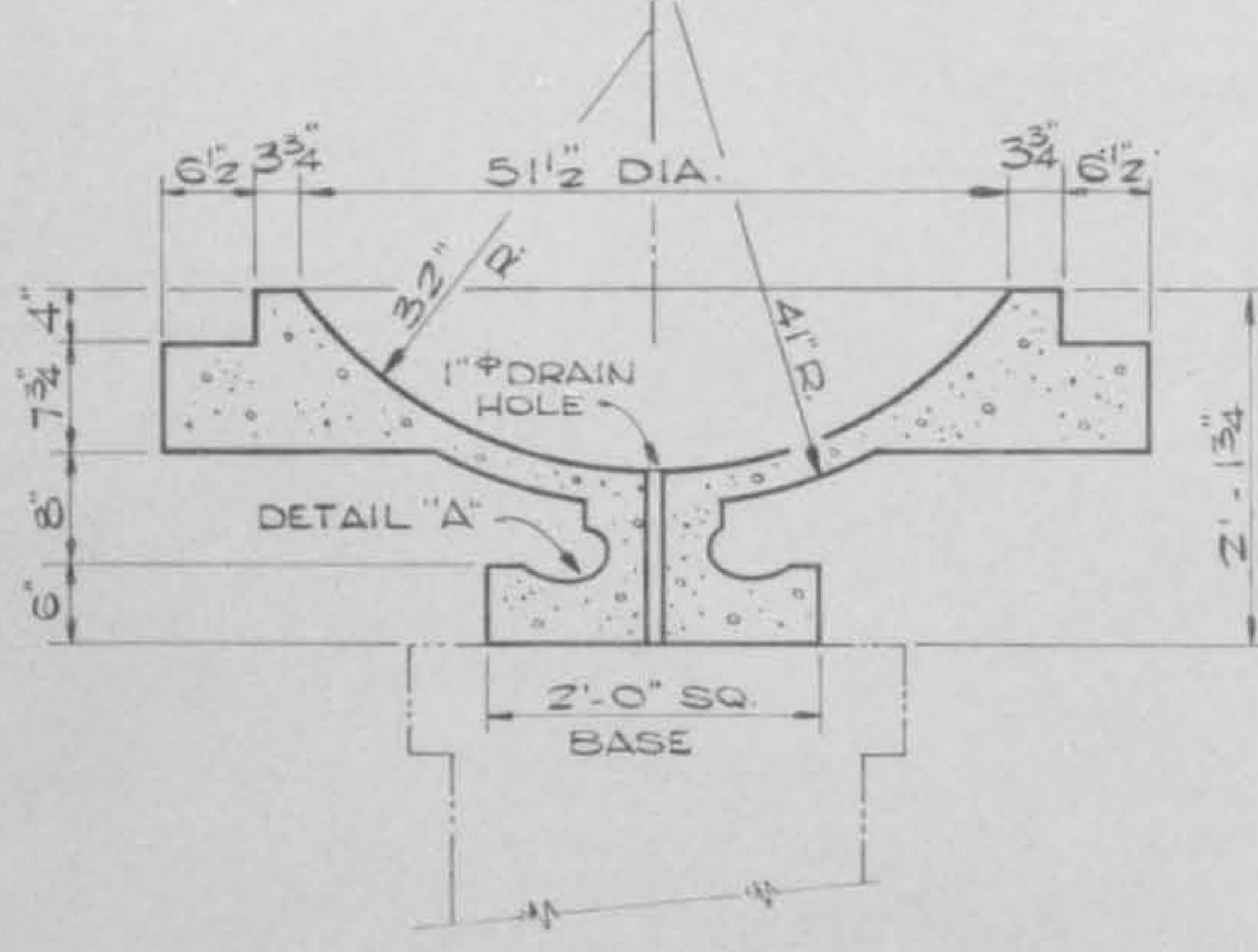


SECTION B-B



PRECAST CONCRETE SEAT SUPPORT

SCALE: 3/8" = 1"



SECTION A-A

BILL OF MATERIAL

ITEM	QUANT.
PRECAST CONCRETE PLANTERS	EACH 2
PRECAST CONCRETE SEAT	LUMP SUM 1

SEAT & PLANTER DETAILS
SECTION 77-00038-01-BR
SYLVAN ROAD BRIDGE
VILLAGE OF GLENCOE