

REFERENCES:

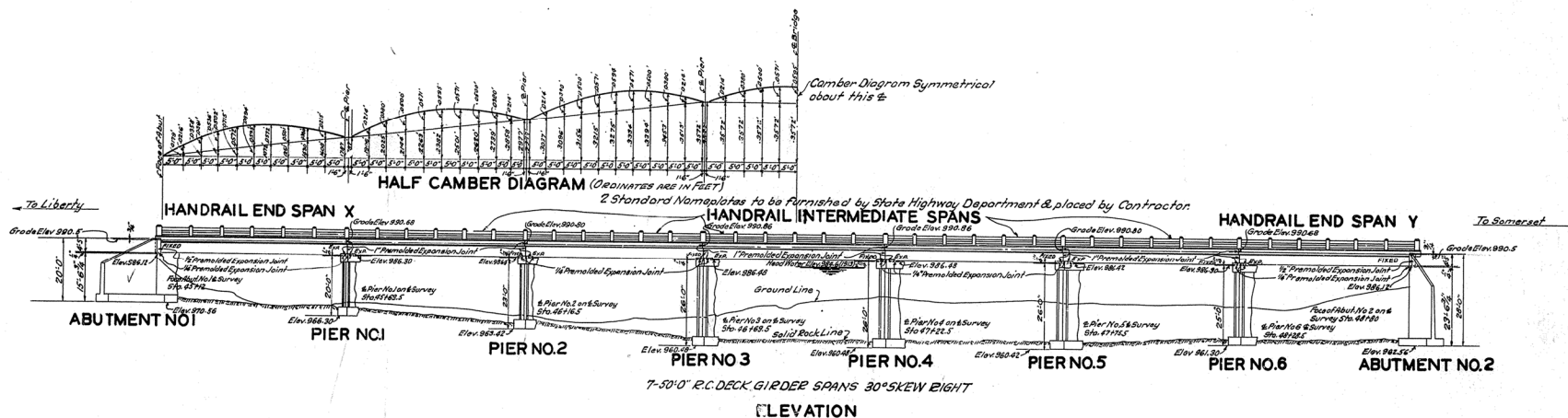
For details of 7'-50" R.C. Deck Girder Spans see Standard Drawing No. A-25.
 For details of 1'-20" R.C. Abutment No. 1 see Standard Drawing No. A-37 (3 Sheets)
 For details of 1'-25" R.C. Abutment No. 2 see Standard Drawing No. A-71 (2 Sheets)
 For details of R.C. Piers No. 1, 2 & 6 see Standard Drawing No. A-20.
 For details of R.C. Piers No. 3, 4 & 5 see Standard Drawing No. A-24.
 For details of Handrail for 7'-50" R.C. Spans see Standard Drawing No. M-8.
 For Quantities in Abutment No. 1 see Sheet No. 3 of Standard Drawing No. A-37.
 Quantities on Sheet No. 1 of Standard Drawing No. A-37 Void for this Structure.

TOTAL ESTIMATE OF QUANTITIES

Concrete, Class A	1211.0 cu yds.
Concrete, Class D	211 cu yds.
Reinforcement	196,590 lbs.
56 Expansion Plates (Class A Bronze)	3052 lbs.
Excavation (Dry Common)	800 cu yds.
Excavation (Wet Common)	400 cu yds.
Excavation (Wet Rock)	250 cu yds.

GENERAL NOTE

Specifications - State Highway Department, Kentucky, 1930
 General Notes on Standard Drawings called for, shall be disregarded only in those portions which do not conform with 1930 Specifications.
 Concrete - Class A concrete to be used thruout except in Handrail & Posts.
 Wearing Surface - $\frac{3}{4}$ " Monolithic Concrete Wearing Surface to be used and placed in accordance with Specifications.



A-37 (3 Sheets)
 A-71 (2 Sheets)
 A-20
 A-24
 G-25
 M-8

BRIDGE OVER GRAYK RIVER

COMMONWEALTH OF KENTUCKY

STATE HIGHWAY DEPARTMENT

FRANKFORT

COUNTY OF

CASEY

LIBERTY - SOMERSET

ROAD

STATION 46+96.0 PROJECT NO.

SUBMITTED BY

APPROVED BY

BRIDGE ENGINEER

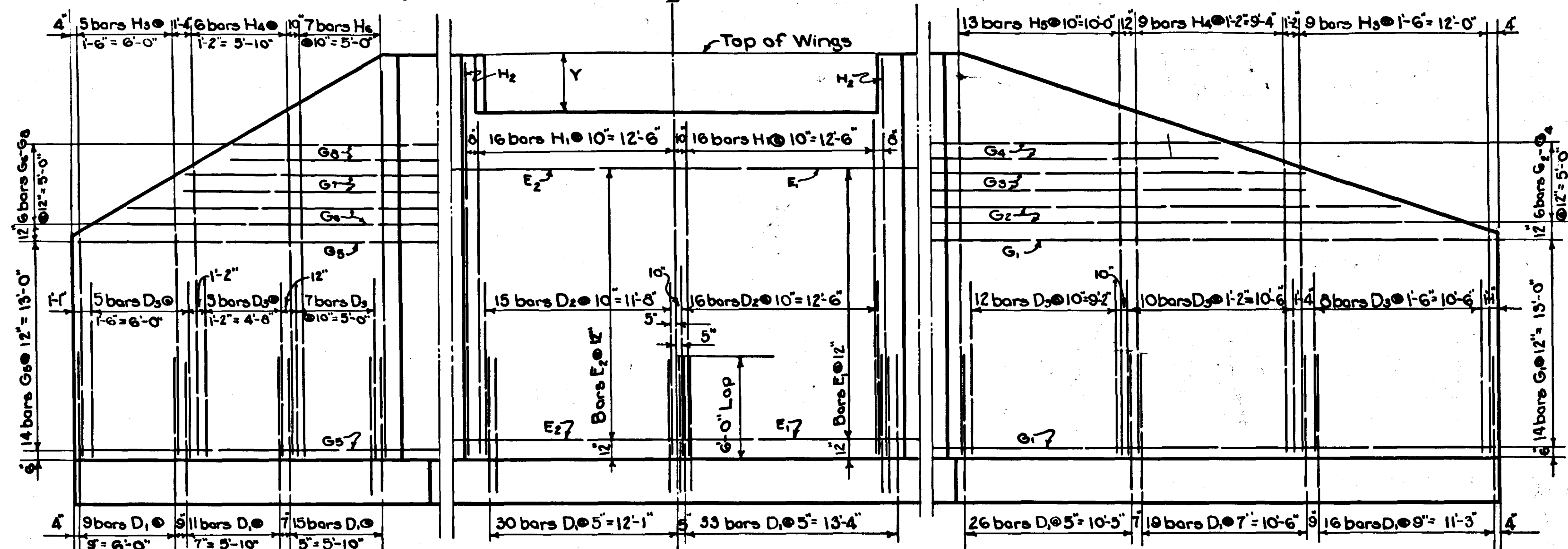
STATE HIGHWAY ENGINEER

NO. 4440

INDEX

JUL 16 1953

MP# 23-21-1

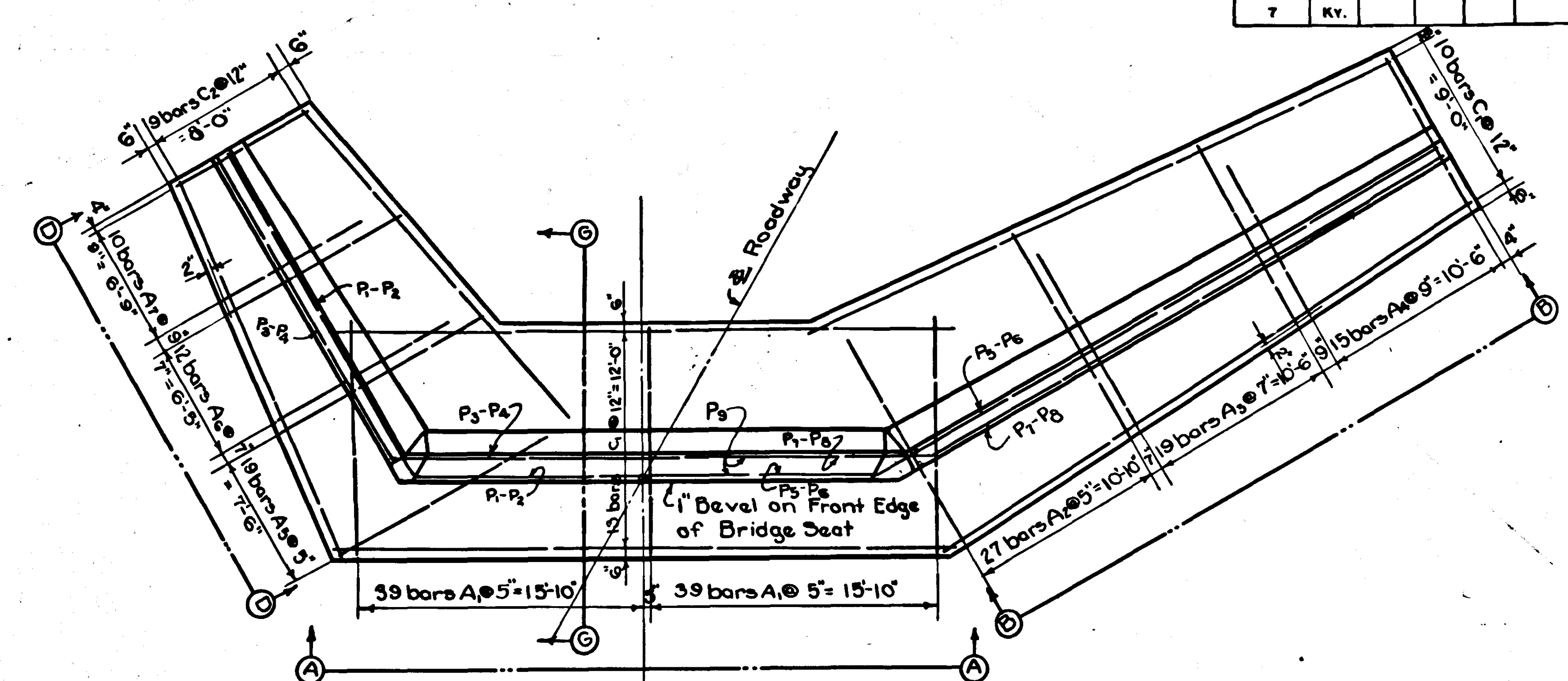


ELEVATION D-D

ELEVATION A-A

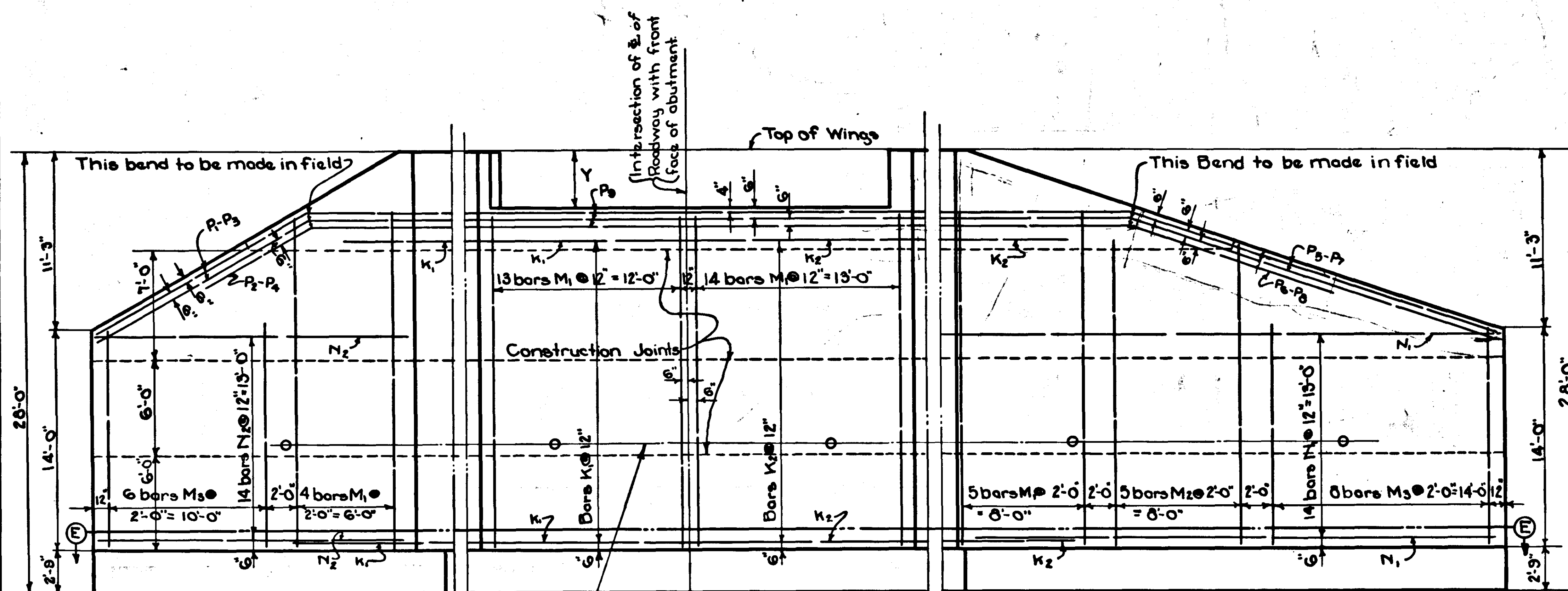
ELEVATION B-B

Front Elevation Showing Steel in Back of Abutment Walls.



PLAN

Showing Bars in Bottom of Footing and Bars P in Top of Walls.



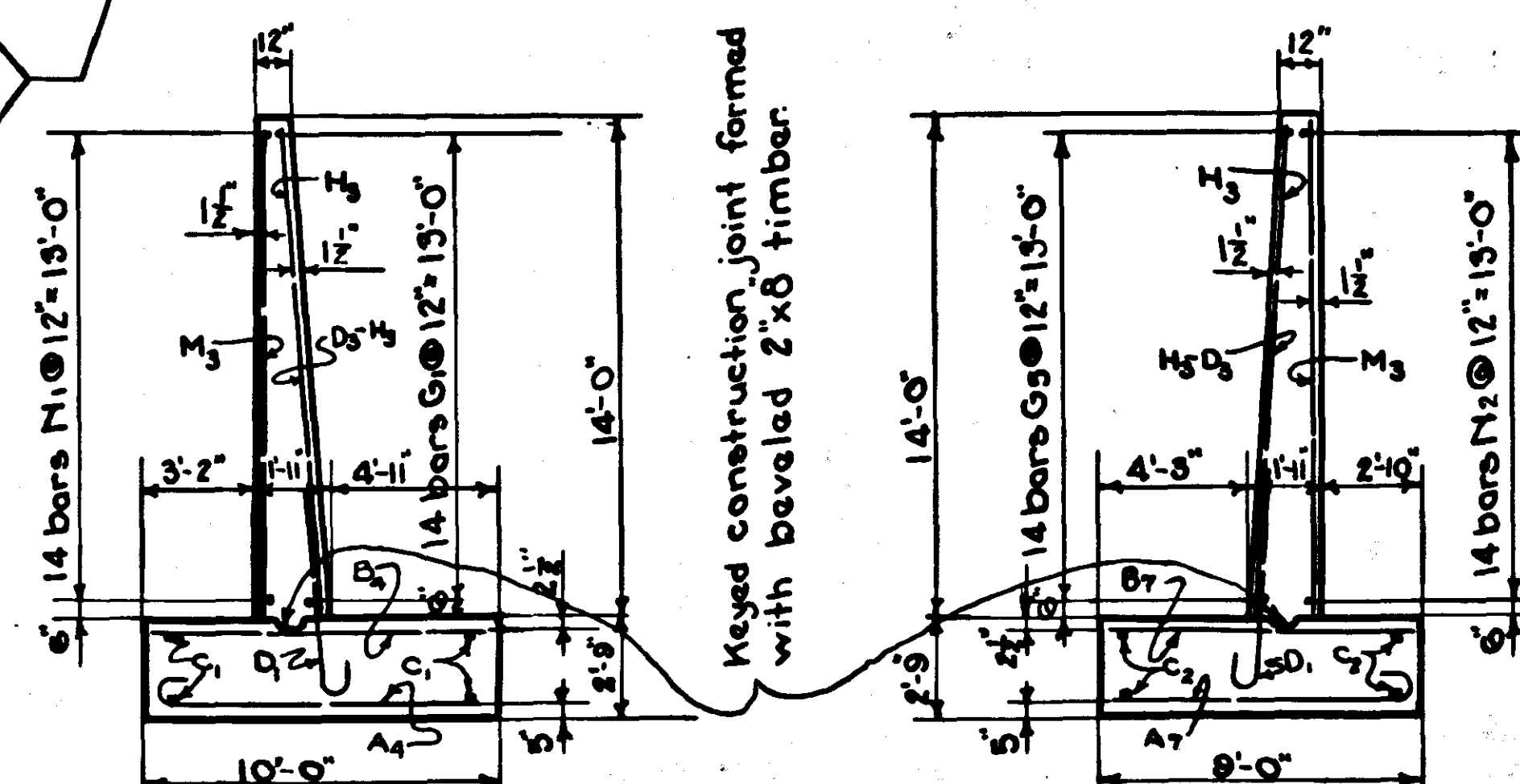
ELEVATION D-D

ELEVATION A-A

ELEVATION B-B

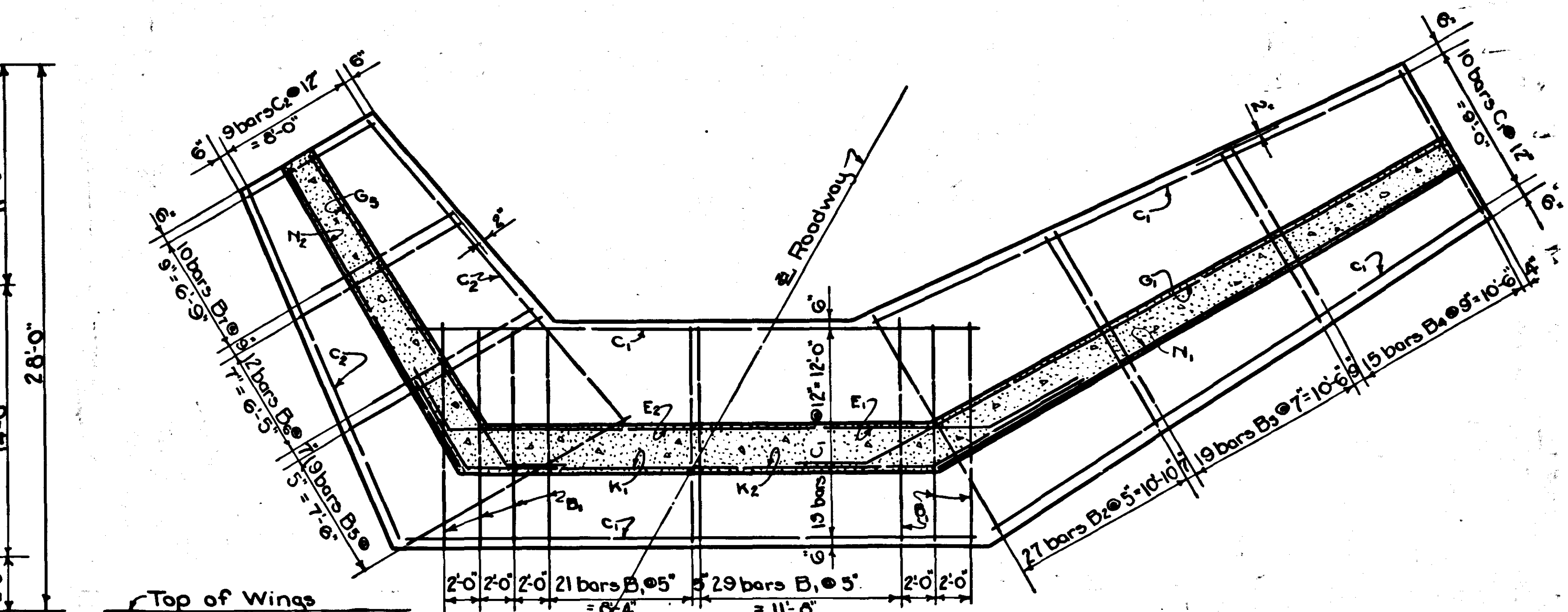
Front Elevation Showing Steel in Front of Abutment Walls and Bars P.

Note: Place 3" Clay Tile Drains in Abutment at such elevation as will afford best drainage of Backfill. Pack loose rock behind them to prevent wash of Backfill.



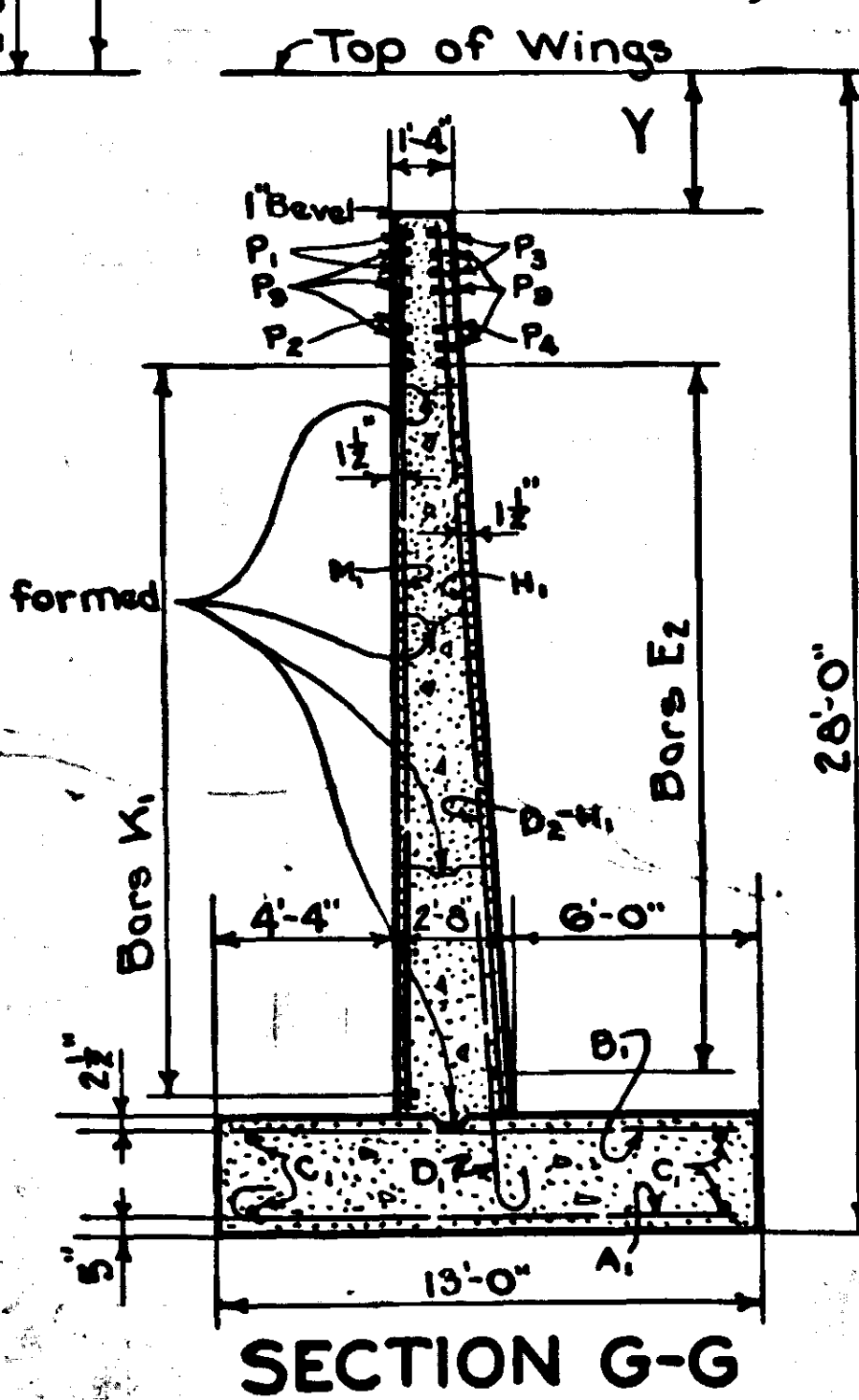
END ELEVATION
Long Wing

END ELEVATION
Short Wing



SECTION E-E

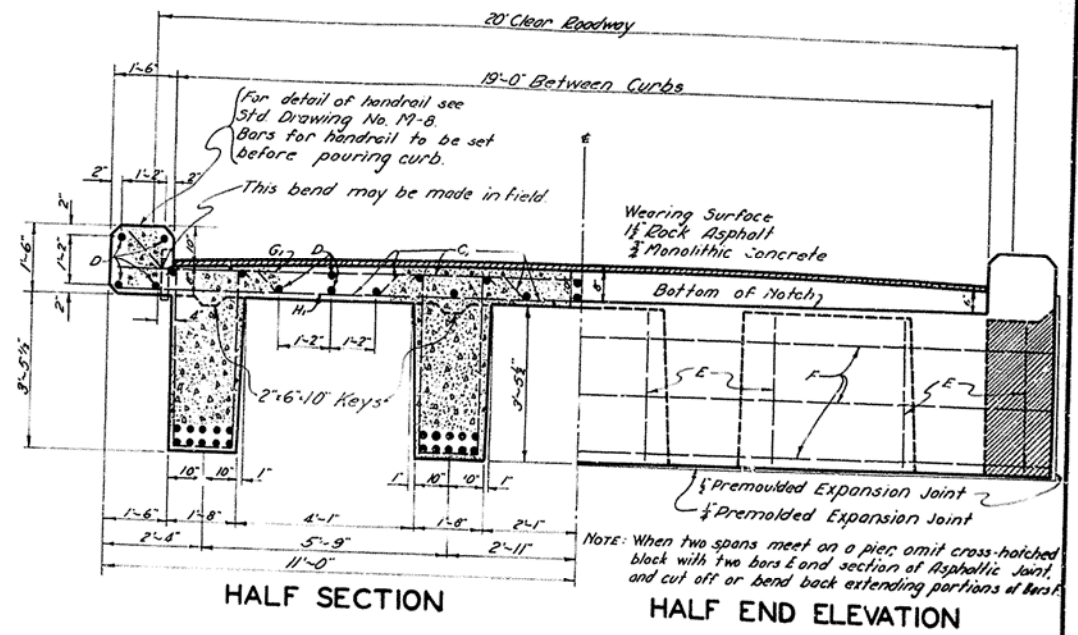
Showing Bars in Top of Footing and Bars E, G, K, and N in Walls.



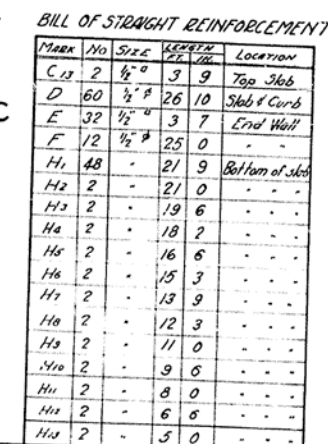
SECTION G-G

COMMONWEALTH OF KENTUCKY
STATE HIGHWAY DEPARTMENT
STANDARD 28FT ABUTMENT
REINFORCED CONCRETE 30° SKEW
FOR DECK GIRDERS 20FT ROADWAY
SHEET 2 OF 2

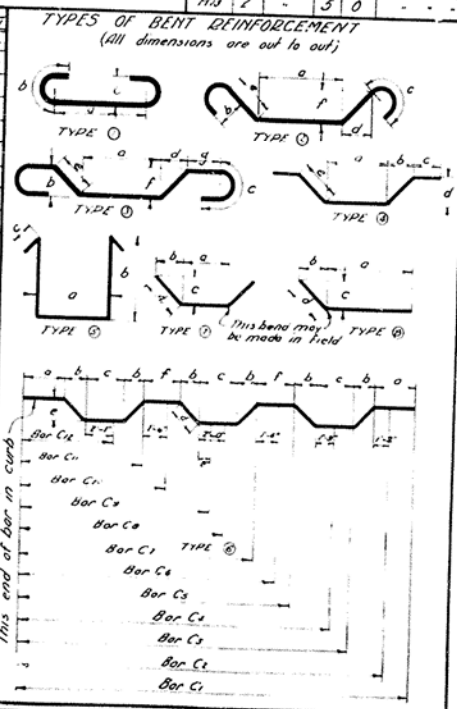
SUBMITTED BY: _____ DATE: _____
APPROVED BY: _____ DATE: _____



HALF END ELEVATION



DETAILS OF WEEP HOLE

[illegible]

SPECIFICATIONS: State Highway Department, Kentucky.
CONCRETE: Class A concrete to be used in slab, girders and curb as called for on general plans. Class D concrete to be used in handrail and posts.
REINFORCEMENT: Dimension from face of concrete to steel is the clear distance. Precast mortar or concrete blocks supporting reinforcement shall be spaced not farther apart than 50 diameters of the supported bar.
CORNERS: All exposed corners to be chamfered $\frac{1}{8}$ unless otherwise shown on plans.
WEARING SURFACE: To be type specified on general plans and placed in accordance with specifications.
EXPANSION PLATES: Unless provided for on proposals the cost of expansion plates and bolts shall be included in the price bid for concrete.
EXPANSION JOINTS All expansion joint filler and pipe for weep
AND DRAIN PIPES: holes shall be included in the price bid per cubic yard of concrete.

ESTIMATE OF QUANTITIES

Concrete Class "A"	875 Cu Yds
Reinforcement	18680 Lbs
Bituminous Surfacing	112 Sq Yds
8 Bronze Expansion Plates	436 Lbs

When Monolithic Concrete Wearing Surface is used add 2.2 cubic yards of Class A Concrete.

When concrete blocks are omitted over a pier deduct for each end of span on which they are omitted 0.58 cubic yards of Class A Concrete.

COMMONWEALTH OF KENTUCKY
STATE HIGHWAY DEPARTMENT

STANDARD CONCRETE BRIDGE
DECK GIRDER 30° SKEW
50 FT. SPAN 20 FT. RDWY.

DRAWING	INDEX
No. G-23	7

