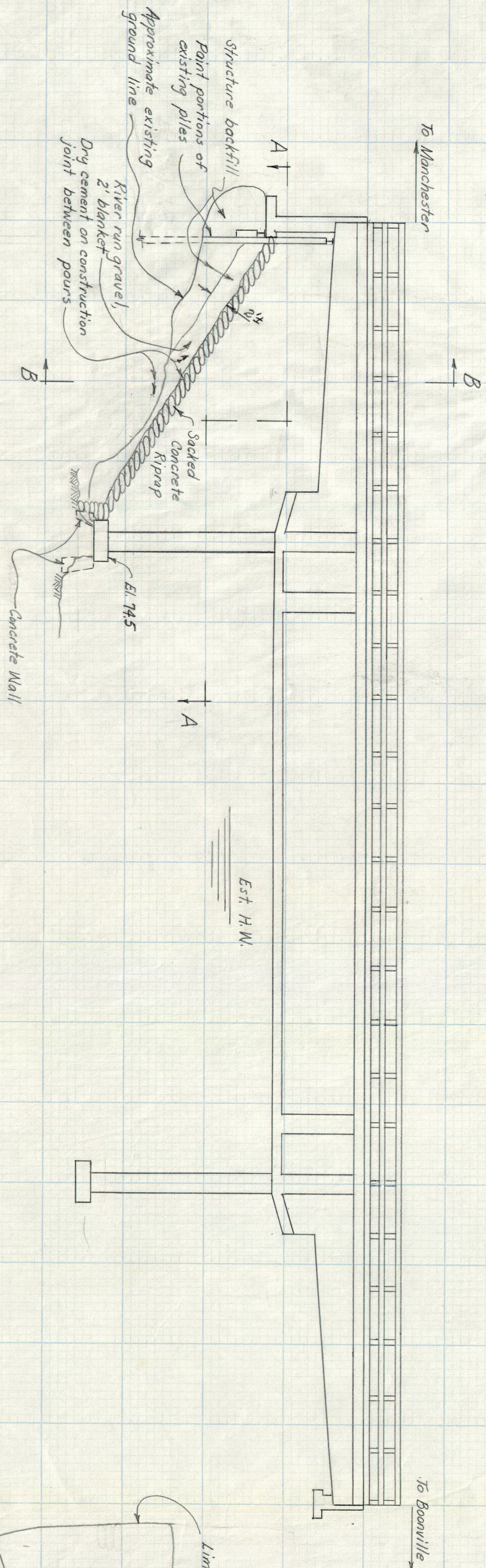


Ed Hall
Charmen

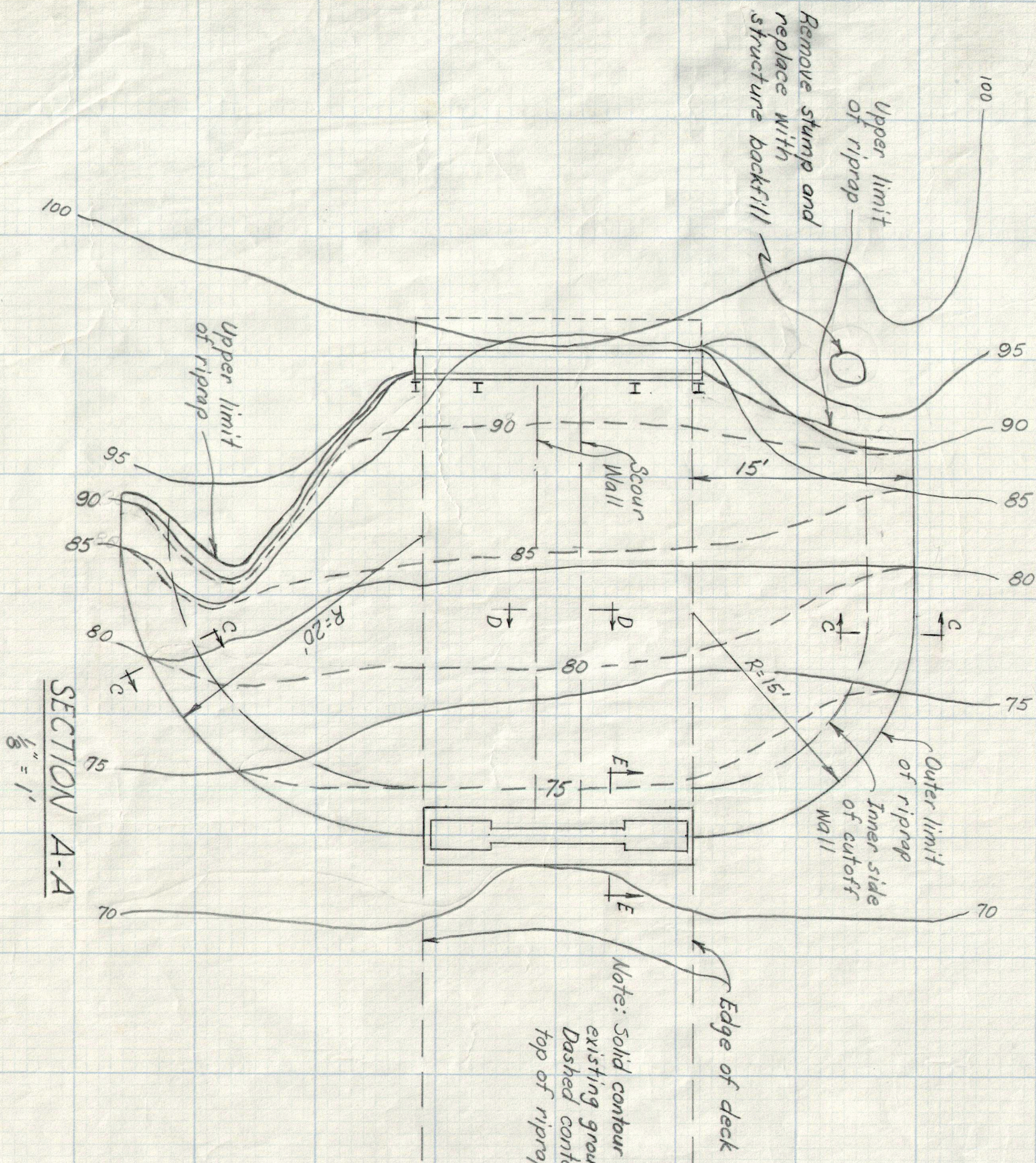
Live Load - H20-516-44



LONGITUDINAL SECTION

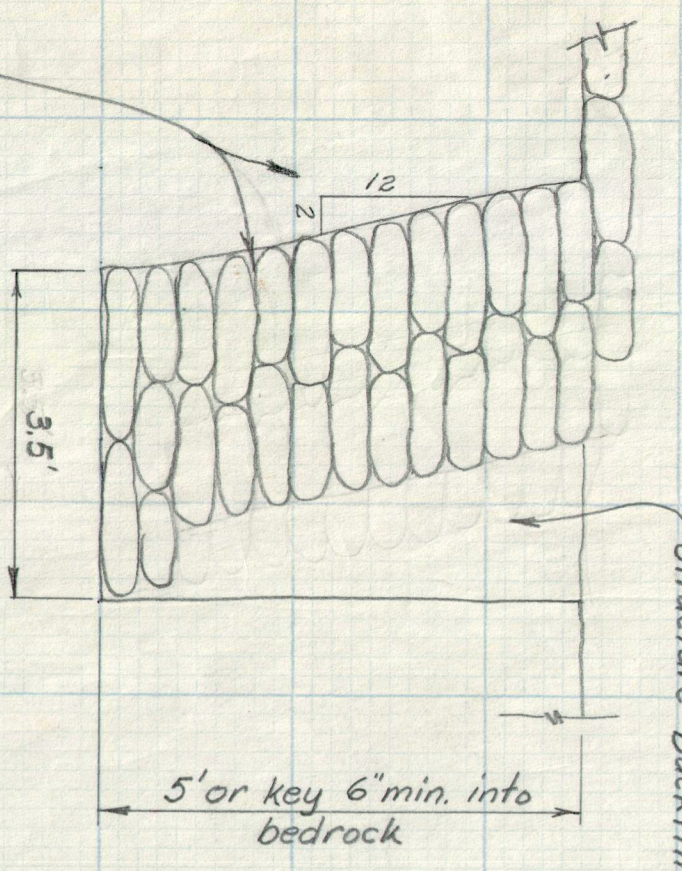
$\frac{1}{8}'' = 1'$

Note: Number of sacks or layers placed will not necessarily correspond with the number shown.



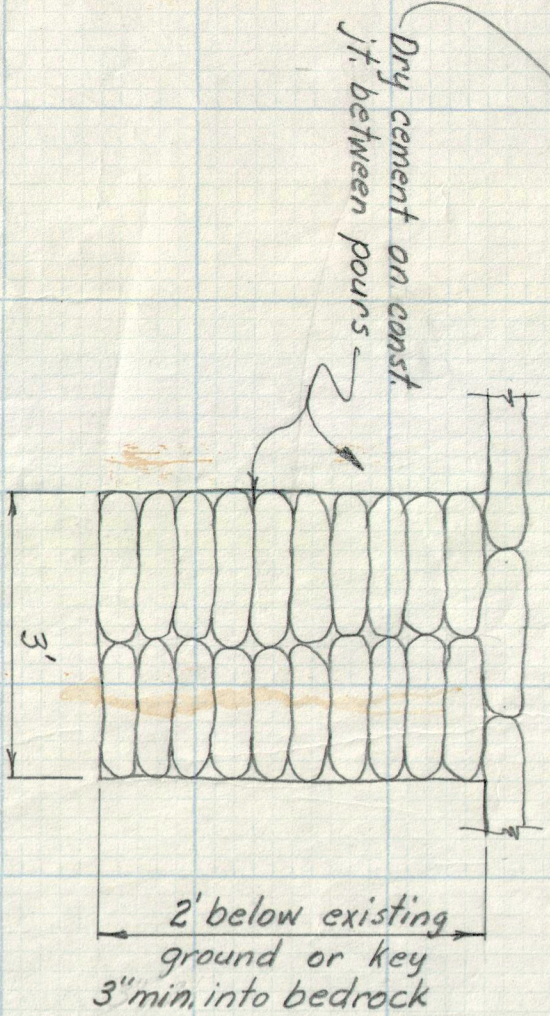
SECTION A-A

$\frac{1}{8}'' = 1'$



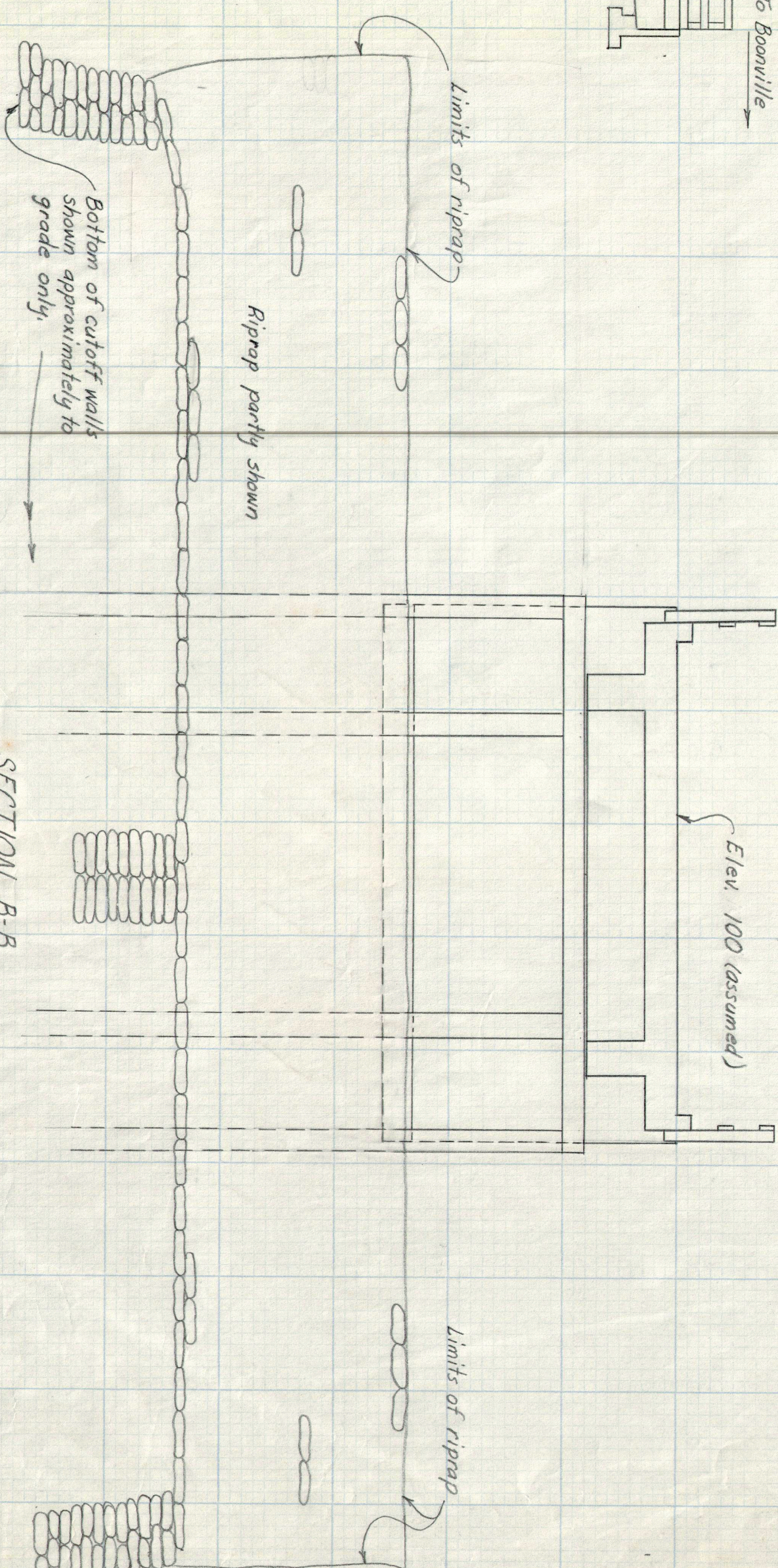
SECTION C-C

$\frac{1}{2}'' = 1'$



SECTION D-D

$\frac{1}{2}'' = 1'$



SECTION B-B

$\frac{1}{4}'' = 1'$

APPROXIMATE QUANTITIES

Structure Excavation	60 C.Y.
Structure Backfill	140 C.Y.
Class "A" Concrete	5 C.Y.
Bar Reinforcing Steel	240 LB.
Sacked Concrete Riprap	95 C.Y.

Approved: *John Deane* Date: *Aug. 5, 1958*
Chairman - Board of Supervisors

Approved: *W. B. Lawrence* Date: _____
County Road Commissioner

Approved: *W. C. Drake* Date: _____
County Surveyor

COUNTY OF MENDOCINO

RANCHERIA CREEK BRIDGE

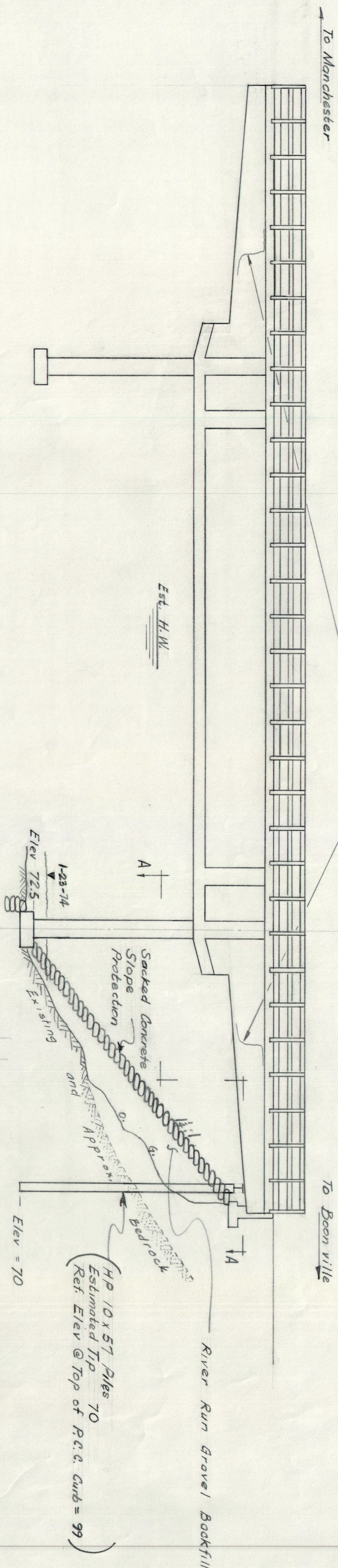
About 4 miles west of Boonville

REPAIR DETAILS

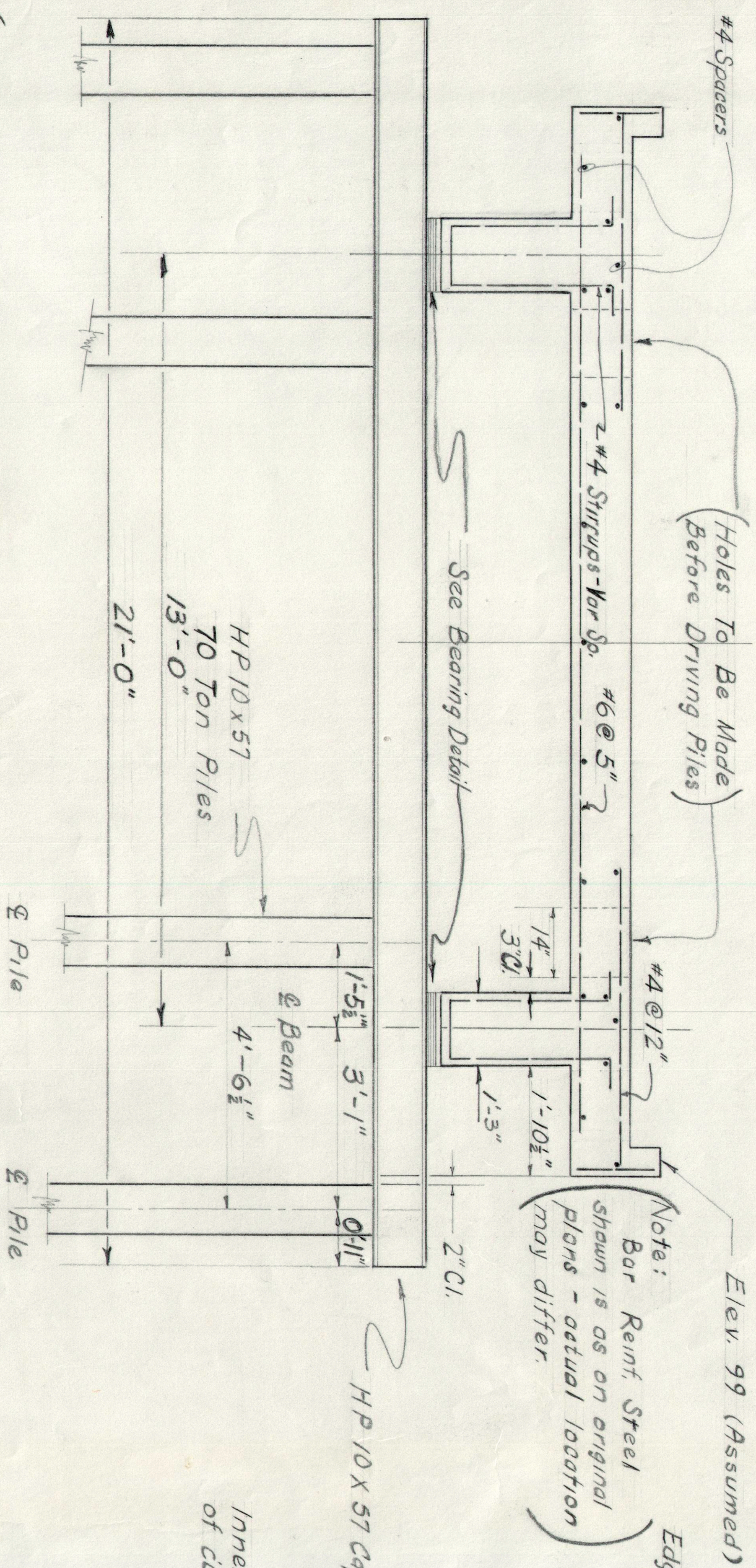
Drawn by *W. C. Drake* Br. No. 1 Rd. No. 510
Civil Engineer - License 8866 Scale: As Shown Sht. 1 of 1
April 24, 1958

Road 510 Bridge

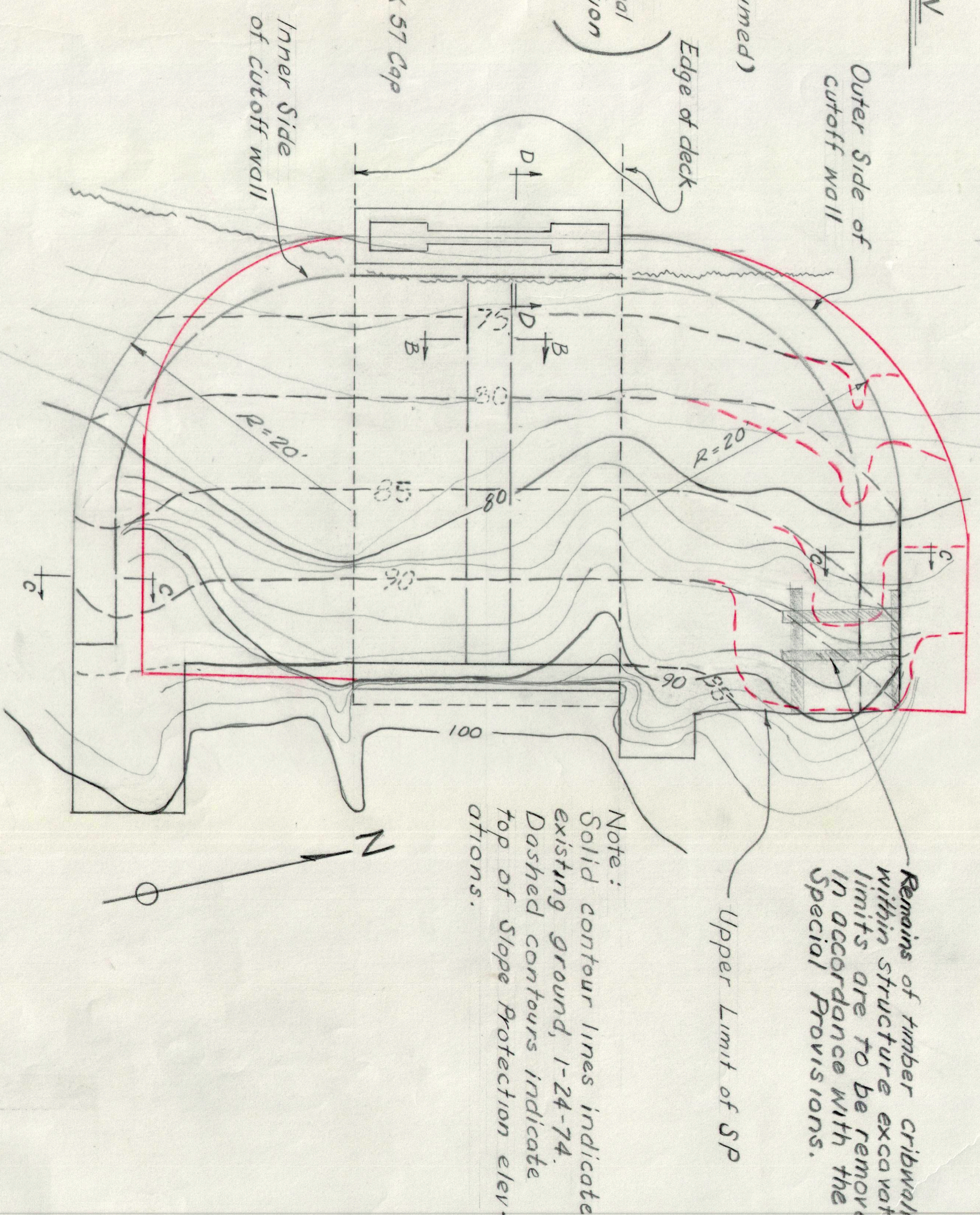
(Various cracks in the approach spans are to be pressure grouted with epoxy. All cracks are not shown. Work is estimated to take 2-3 days with experienced crew.)



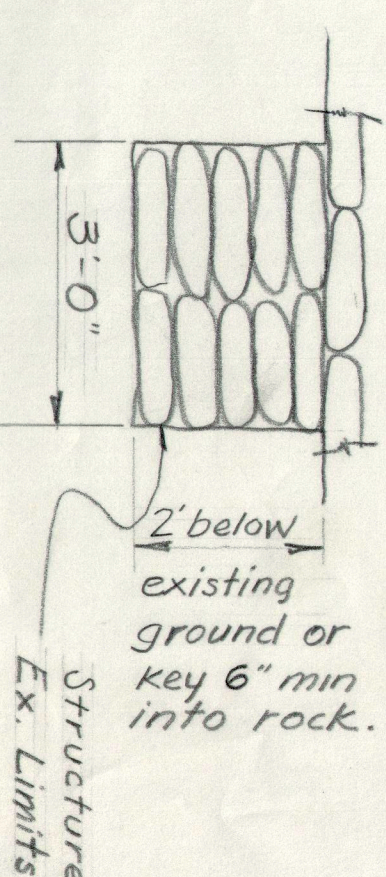
LONGITUDINAL SECTION
Scale: $\frac{1}{8}'' = 1'-0''$



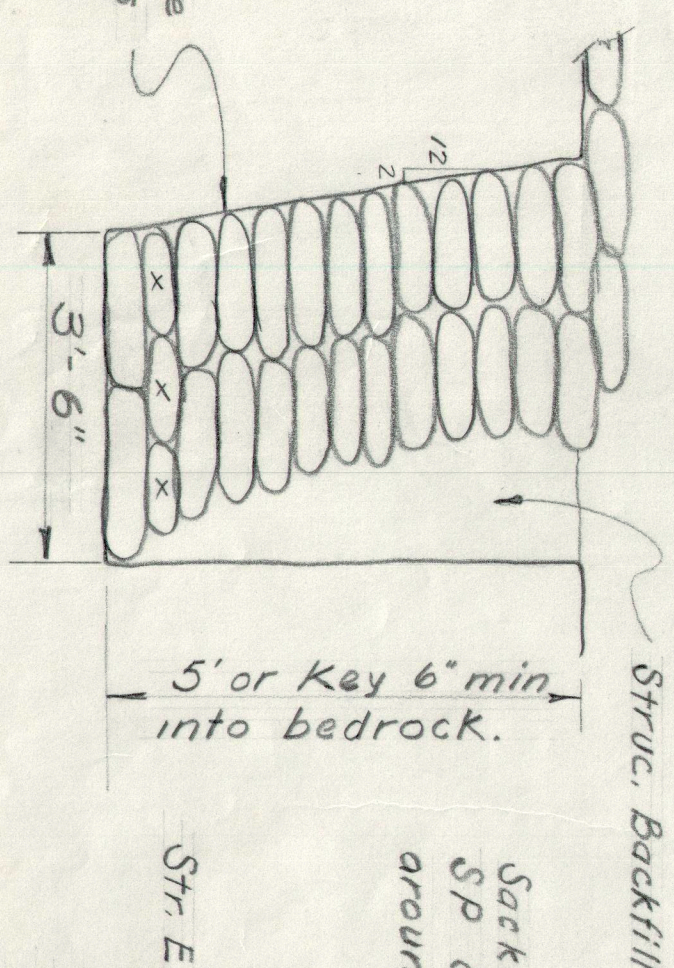
PILE BENT ELEVATION & SUPERSTRUCTURE SECTION
Scale: $\frac{1}{8}'' = 1'-0''$



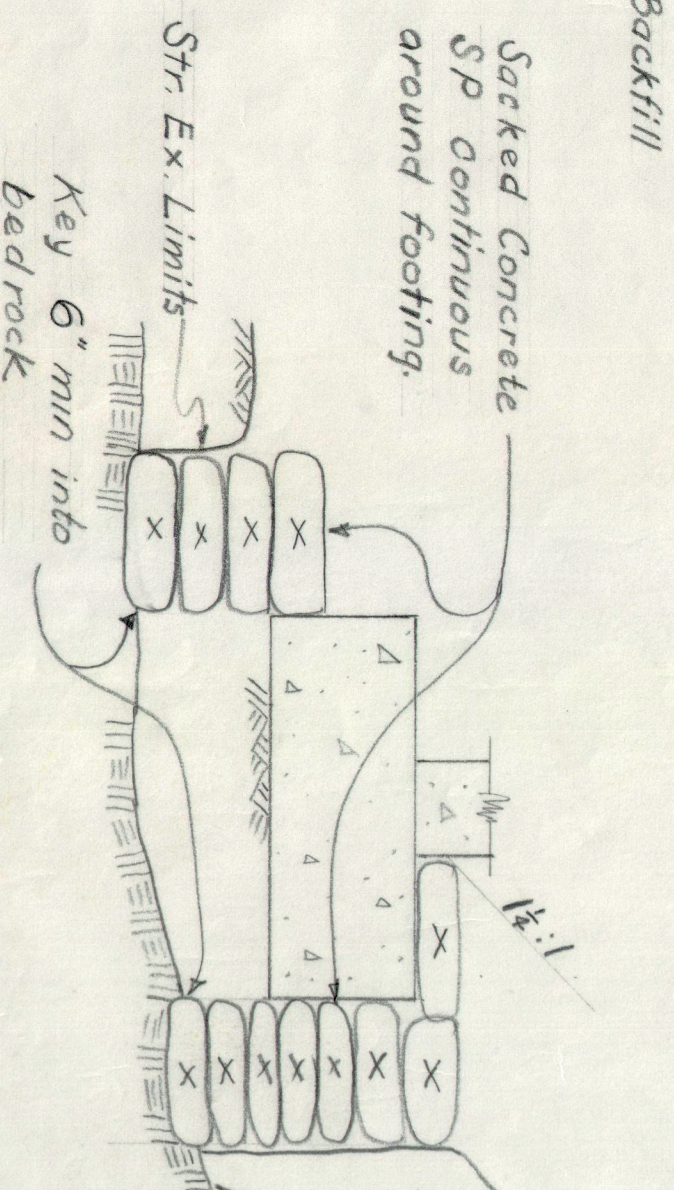
SECTION A-A
Scale: $\frac{1}{8}'' = 1'-0''$



Section B-B
Scale: $\frac{1}{8}'' = 1'-0''$



Section C-C
Scale: $\frac{1}{8}'' = 1'-0''$



Section D-D
Scale: $\frac{1}{8}'' = 1'-0''$

DPM Projed E-3301(7)

Res. Engr. :- George Row

Conf. : Jack Stronge Const.

DPM Project E-7415 B 7

Res. Engr. - Jim Holtzhouser

Cont - Hertel Const. Co, Inc.

Note: Shape of sacked concrete SP may be changed by the Engineer if required. Relative location of rock may vary considerably from that shown. Alternate Method: Concrete may be tremied in sacked concrete. #5 Bar Reinf. Steel shall be placed on 18" centers. Pay limits shall be 12" wide.

General Notes:

1. Steel Piles shall conform to the provisions of Section 49 of the State of California "Standard Specifications" dated January 1973 and shall be accompanied with a certificate of compliance in accordance with the Standard Specifications.
2. Sacked Concrete Slope Protection shall be in accordance with Section 72-3 of the above - mentioned Standard Specifications.
3. Structure Excavation pay limits shall be to the planned slope lines; spoils shall be disposed of in accordance with Dept. of Fish and Game Regulations.
4. Structure Backfill shall be brought up simultaneously with the Sacked Concrete Slope Protection and shall consist of river run gravel satisfactory to the Engineer. Weep holes, not to exceed 12 in number, shall be placed at the direction of the Engineer's shall conform to the California Standard Plans dated January 1973, plate B 0-3. Payment for installation of weepholes shall be considered as included in the price of structure backfill.
5. Epoxy Pressure Grout shall conform to the provisions of Section 95 of the Standard Specifications; or equal.
6. Elastomeric Bearing Pads shall conform to the Standard Special Provision B-51.38 dated January 8, 1973.
7. Miscellaneous Iron and steel shall include the price for fabrication of the designated pieces and their installation. All plate steel shall conform to the specifications of ASTM: A36. All exposed steel shall be painted in accordance with Section 59 of the Standard Specifications. All welding shall be in accordance with Section 55-3.27 of the Standard Specifications. Bolted connections shall conform to Section 55-3.14 of said Standard Specifications.

Approximate Item Quantities

Item No.	Quan.	Unit	Item Description.
1	127	LF	HP 10 x 57 Piles
2	4	Ea.	Drive Piles
3	2	Ea.	Sloped Bearing Plates
4	2	Ea.	Elastomeric Bearing Pads
5	325	Lbs	Misc. Iron and Steel
* 6	100	CY	Structure Excavation (Sacked Conc S.P.)
* 7	150	CY	Structure Backfill
* 8	190	CY	Sacked Concrete Slope Protection
9	LS		Epoxy Pressure Grout

(-) Signifies Work done by separate contract; Not to be done by this contract.

Approved for Construction:

[Signature]
Chairman, Board of Supervisors

[Signature]
Date

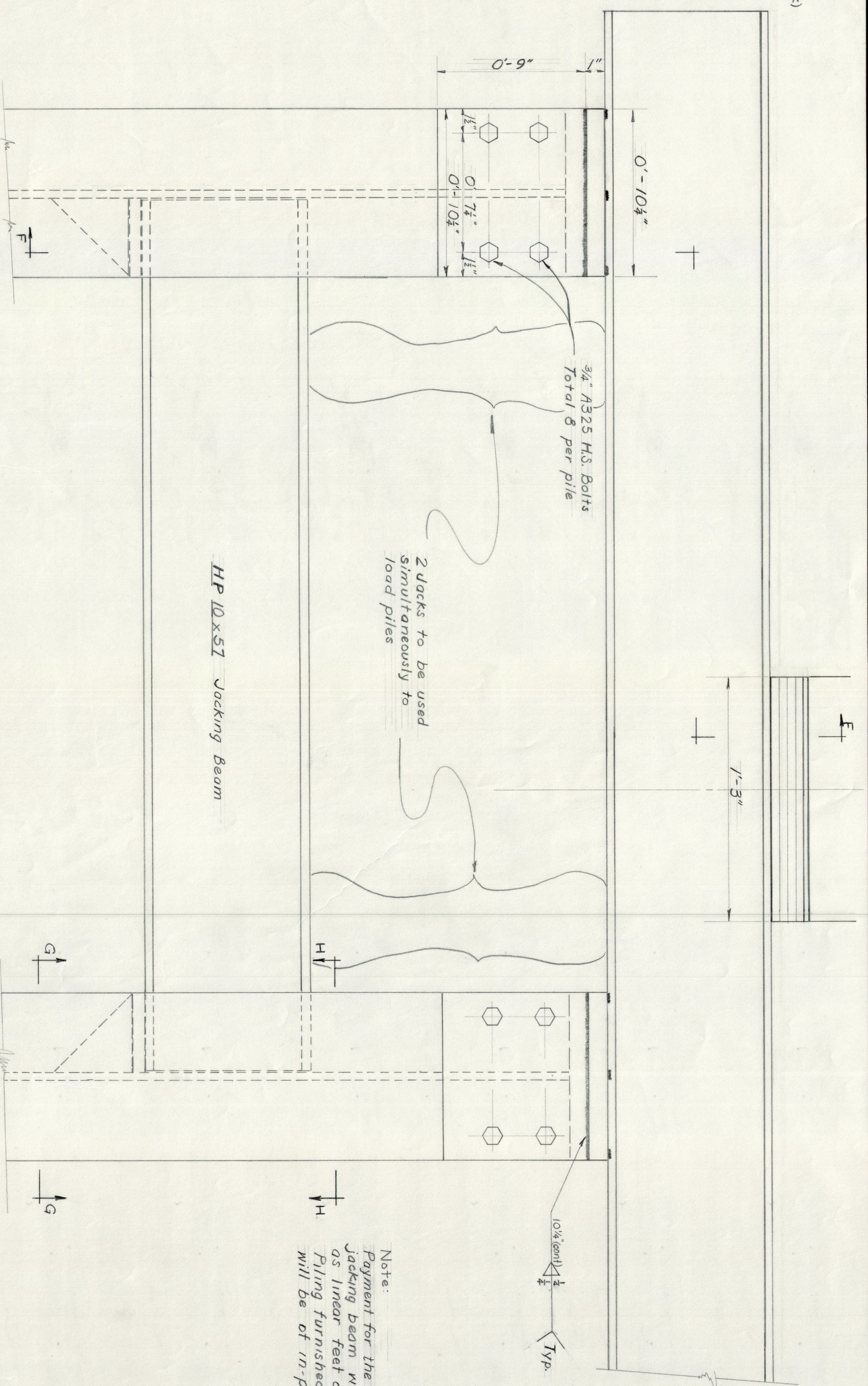
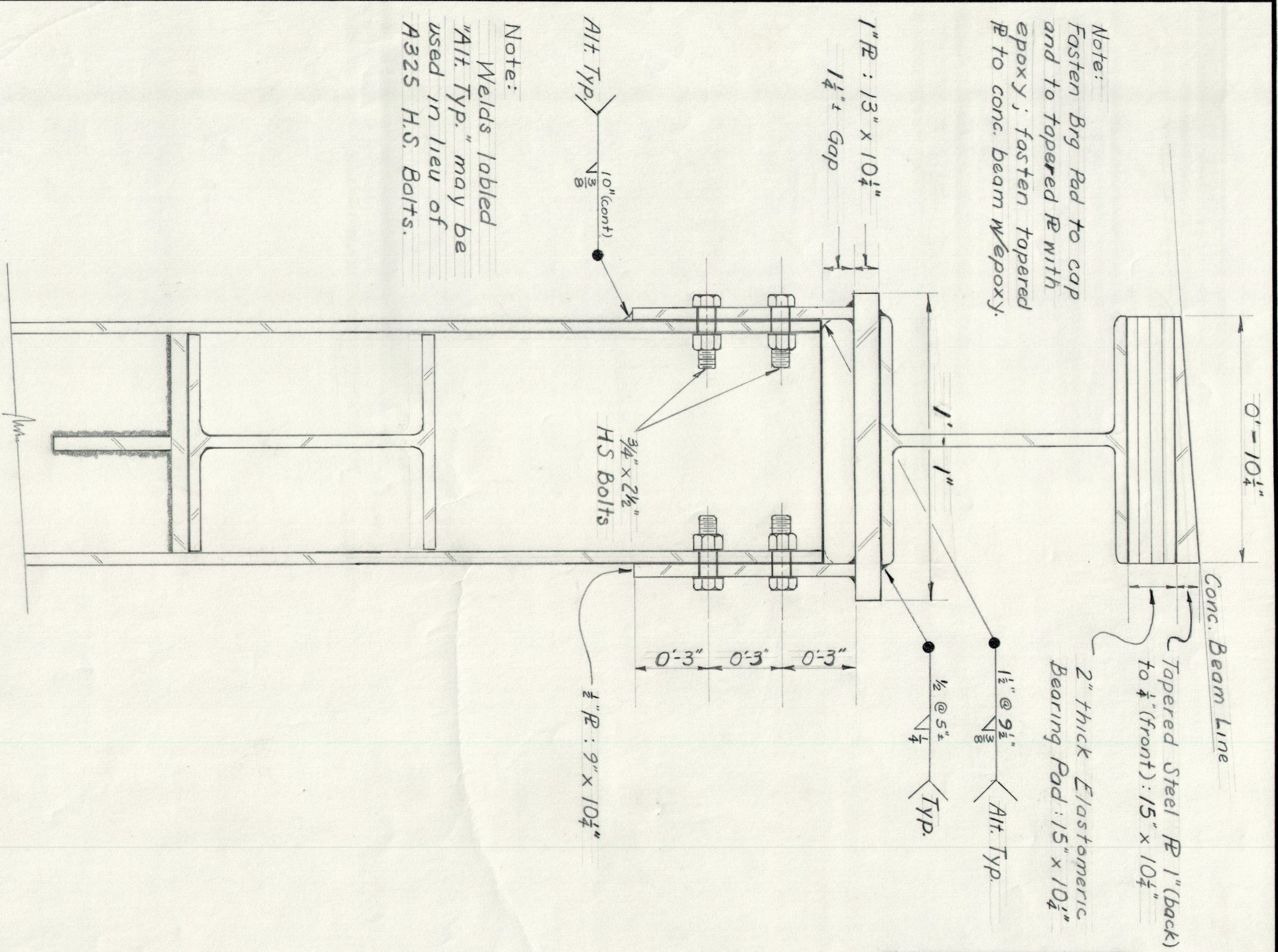
* Items For Contract F-7415 B 7
All Other Items Completed By
Previous Contract

Mendocino County
DEPARTMENT OF PUBLIC WORKS

RANCHERIA CREEK BRIDGE ON C.R. 510
STORM DAMAGE REPAIRATIONS

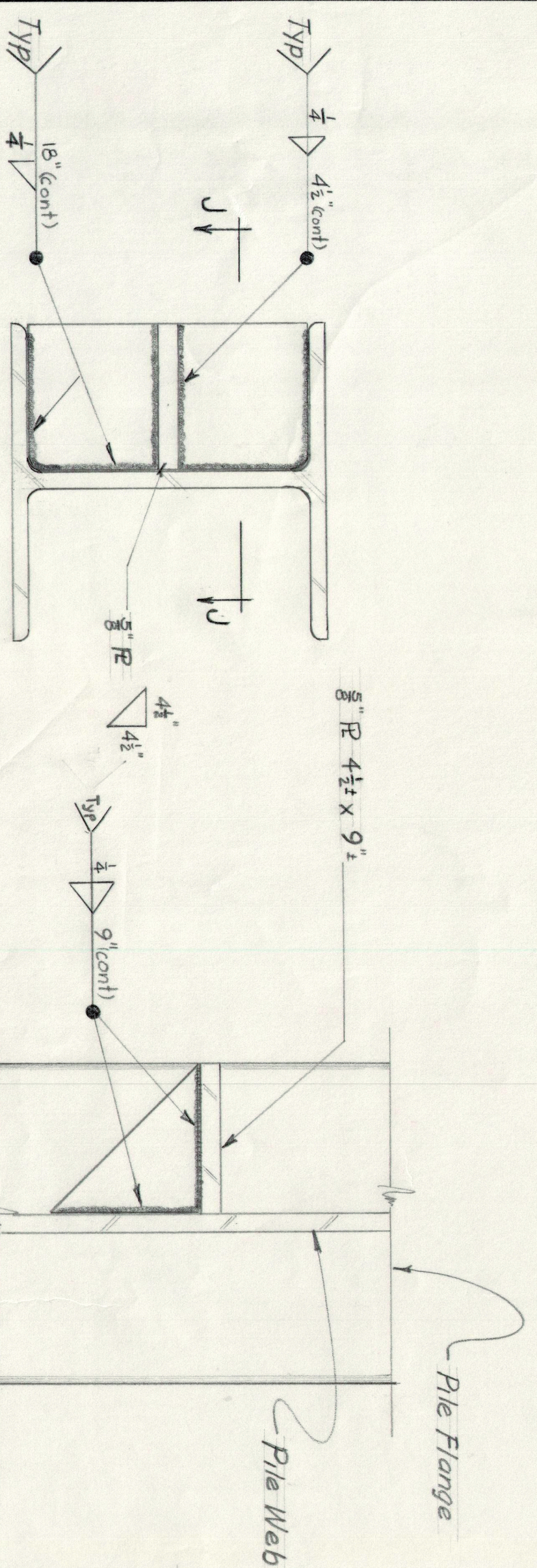
ER-776(12) PM 20.30 F.A.S. 980

DESIGNED BY: <i>[Signature]</i>	CHECKED BY: G. Sonten	DRAWN BY:	DATE: Jan 1974
APPROVED <i>[Signature]</i>	SCALE: As Shown	SHEET NO. 1	OF 2
FILE NO. 550-510	DATE 1/6/17	DATE Jan 20, 20	



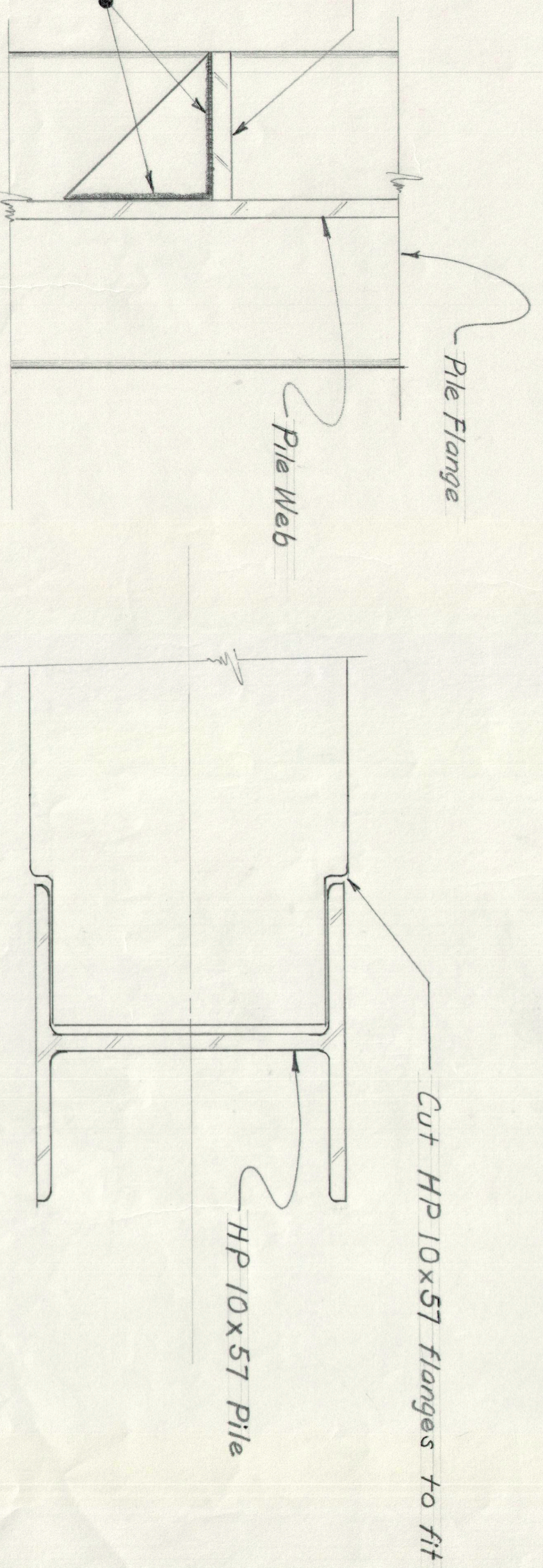
Section F-F - Bearing Details

Scale : 3" = 1'-0"



Section G-G
Scale: 3"=1'-0"

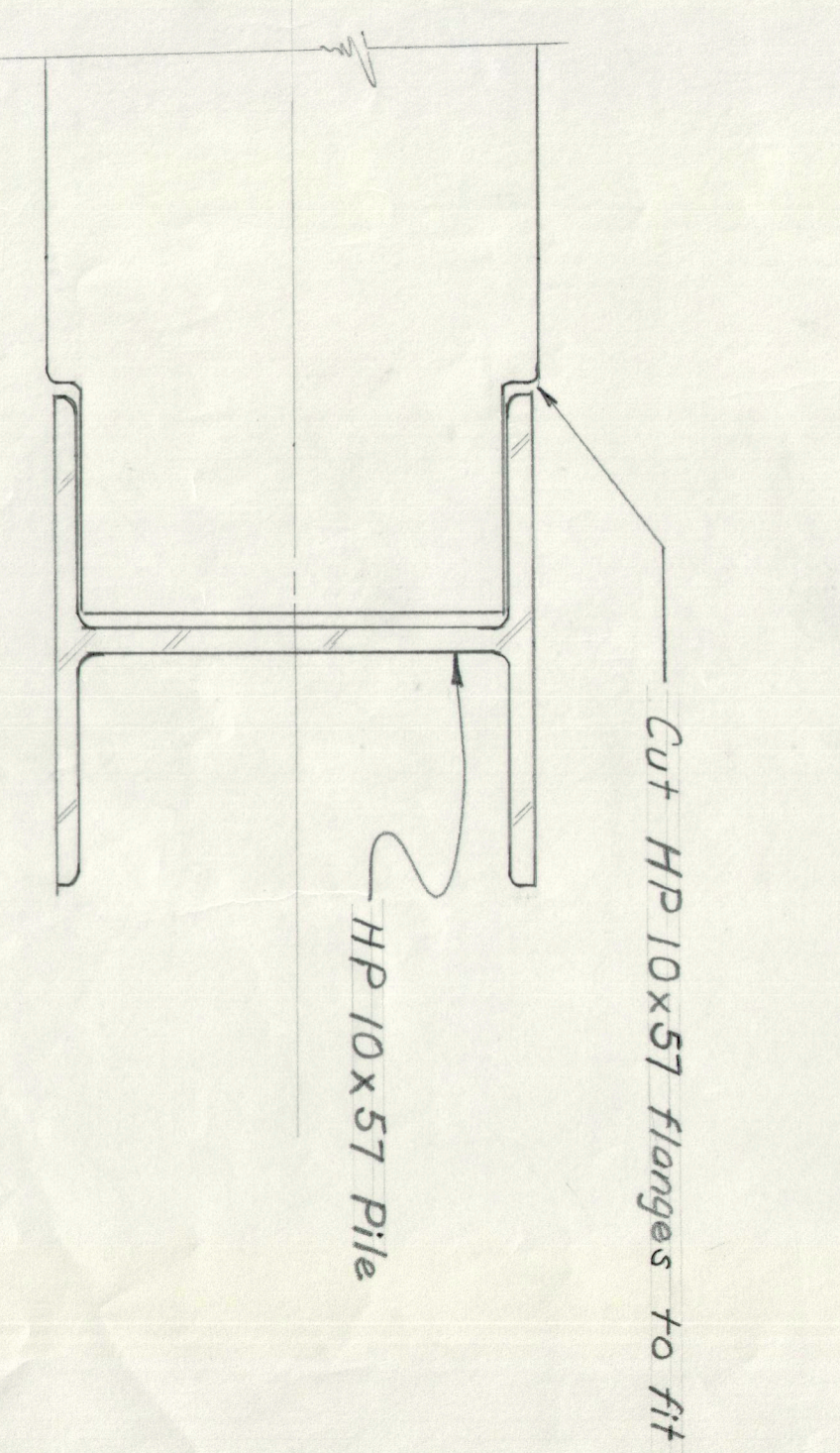
Scale: 3"=1'-0"



Section 1-1

Scale: 3" = 1'-0"

Scale: 3" = 1'-0"



Section H-H
Scale: 3"=1'-0"

Scale: 3" = 1'-0"