

OHIO DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

18 (89)

FHWA REGION	STATE	FEDERAL PROJECT	File
5	OHIO		



PLAN NO. *BR-33-88*

PART	COUNTY	ROUTE	SECTIONS	PROJECT TERMINII		NET LENGTH MILES	TOWNSHIP	CITY	VILLAGE
				BEGIN	END				
1	RIC	71	04.39						
2	RIC	97	08.31						
3	RIC	97	14.25						
4	RIC	546	04.98						

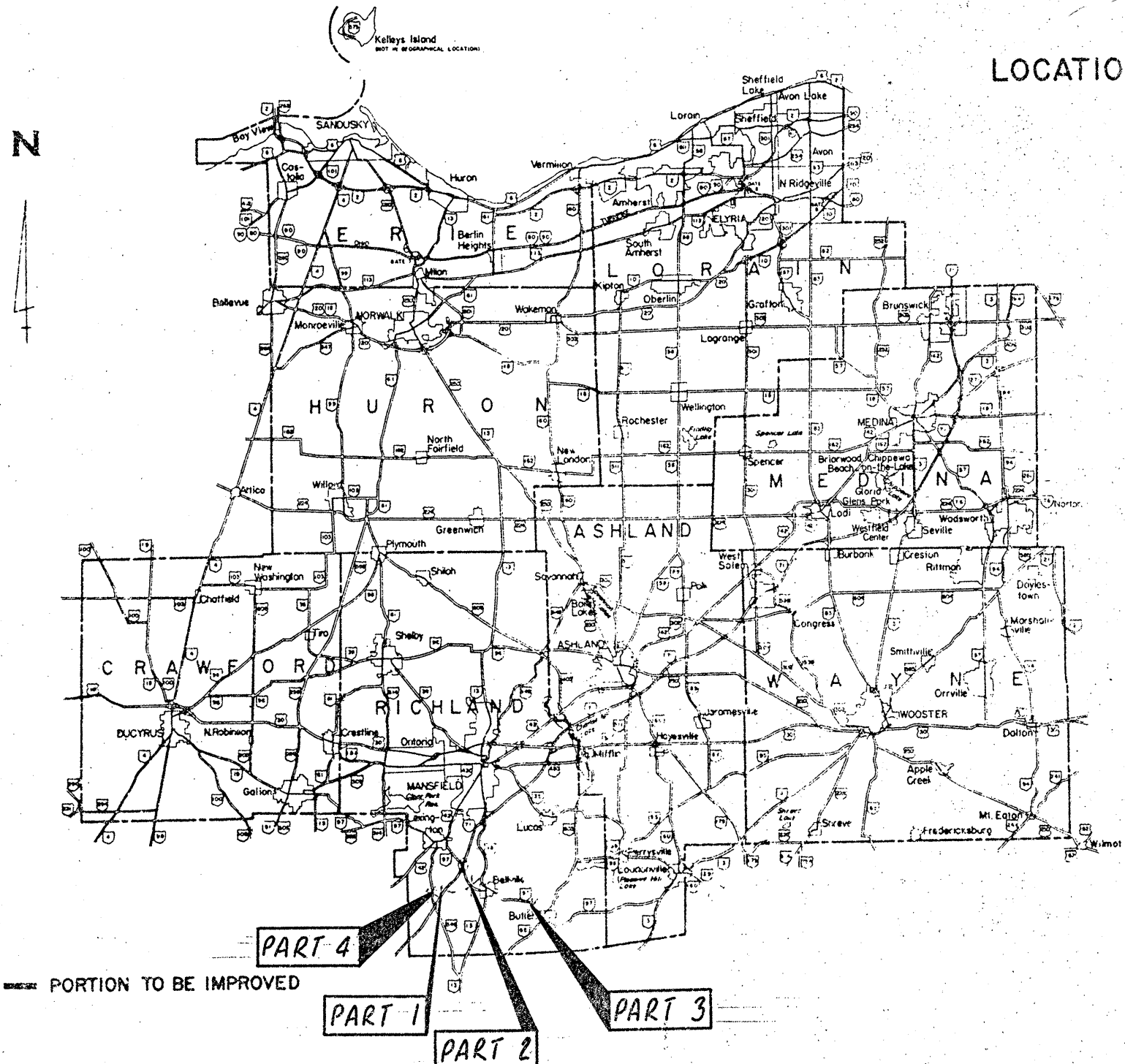
Proj. Copy
red 2-2-89

The Standard 19 87 Specifications of the State of Ohio, Department of Transportation, including changes and Supplemental Specifications listed in the plans and proposal shall govern these improvements.

I hereby approve these plans and declare that the making of these improvements will require the closing of the highways to traffic on Parts No. _____ and that detours will be provided by State forces. The closing to traffic of the highways will not be required on Parts No. 1-4 and provisions for the maintenance and safety of traffic will be as indicated in the proposal.

- Approved Date 8-8-88 *Mary M. Ponz*
District Deputy Director of Transportation
- FFE Approved Date 9-14-88 *P. D. Hankilanni* FFE
Engineer of Bridges
- Approved Date _____ _____
Engineer of Maintenance
- JB Approved Date 10-25-88 *James R. Longenecker*
Deputy Director, Operations
- Approved Date _____ _____
Assistant Deputy Director, Program Development
- Approved Date _____ _____
Chief Engineer, Construction
- Approved Date _____ _____
Chief Engineer, Design
- Approved Date _____ _____
Assistant Director, Department of Transportation
- Approved Date 10-25-88 *Bernard B. Hurst*
Director, Department of Transportation

LOCATION MAP



18

68-7-1

GENERAL SUMMARY

BR-33-88

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9

ITEM	QUANTITY				TOTAL QUANTITY	UNIT	ITEM EXT.	DESCRIPTION
	PART 1 <small>RC-77-0439</small>	PART 2 <small>RC-97-083</small>	PART 3 <small>RC-97-125</small>	PART 4 <small>RC-546-0498</small>				
203	538		144	202	884	CU. YD.		EMBANKMENT, AS PER PLAN
503			LUMP		LUMP			COFFERDAMS, CRIBS AND SHEETING
511			15	3	18	CU. YD.		CLASS 'C' CONCRETE PILE ENCASEMENT, AS PER PLAN
601			285	197	482	CU. YD.		ROCK CHANNEL PROTECTION, TYPE C, WITH FILTER, AS PER PLAN
601	435	56			491	CU. YD.		ROCK CHANNEL PROTECTION, TYPE C, WITHOUT FILTER
602	3.3				3.3	CU. YD.		CONCRETE MASONRY
603	64				64	L.F.		24" CONDUIT, TYPE E, 706.02
614					LUMP			MAINTAINING TRAFFIC
624					LUMP			MOBILIZATION

GENERAL NOTES

BR-33-88

3
9

VERIFICATION:

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND/OR FROM FIELD OBSERVATION AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE ORIGINAL CONSTRUCTION PLANS OF THE EXISTING BRIDGE ARE AVAILABLE UPON REQUEST AT THE DISTRICT 3 OFFICE OF THE OHIO DEPARTMENT OF TRANSPORTATION, ASHLAND, OHIO.

CONTRACT BID PRICES SHALL BE BASED UPON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED BY THE CONTRACTOR IN THE FIELD.

ITEM 203 EMBANKMENT, AS PER PLAN

AREAS WHERE EMBANKMENT MATERIALS ARE TO BE PLACED SHALL BE SCALPED. THE REQUIREMENTS FOR MOISTURE, DENSITY CONTROL AND BENCHING SHALL BE WAIVED. THE DEPTH OF LAYERS IN WHICH THE EMBANKMENTS ARE PLACED AND THEIR COMPACTION SHALL, IN LIEU OF THE REQUIREMENTS OF ITEM 203, CONFORM TO ACCEPTABLE CONSTRUCTION PRACTICES AS DETERMINED BY THE ENGINEER. THE METHOD OF MEASUREMENT FOR EMBANKMENT MATERIAL FURNISHED AND PLACED SHALL BE THE NUMBER OF CUBIC YARDS MEASURED BY LOOSE VOLUME IN THE CARRIER AT THE WORK SITE, IN LIEU OF THE REQUIREMENTS OF 203.15. THE AMOUNT OF THE EARTH WORK REQUIRED AT EACH LOCATION SHALL BE AS DIRECTED BY THE ENGINEER.

PAYMENT FOR ALL OF THE ABOVE SHALL BE AT THE UNIT PRICE BID PER CUBIC YARD FOR ITEM 203 EMBANKMENT AS PER PLAN WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.

ITEM 503 COFFERDAMS, CRIBS AND SHEETING

A COFFERDAM HAS BEEN INCLUDED FOR THE PLACEMENT OF THE CONCRETE AROUND THE PIER PILING ON STRUCTURE RIC-97-1425. IF THE COFFERDAM IS NOT NEEDED IT SHALL BE NON-PERFORMED.

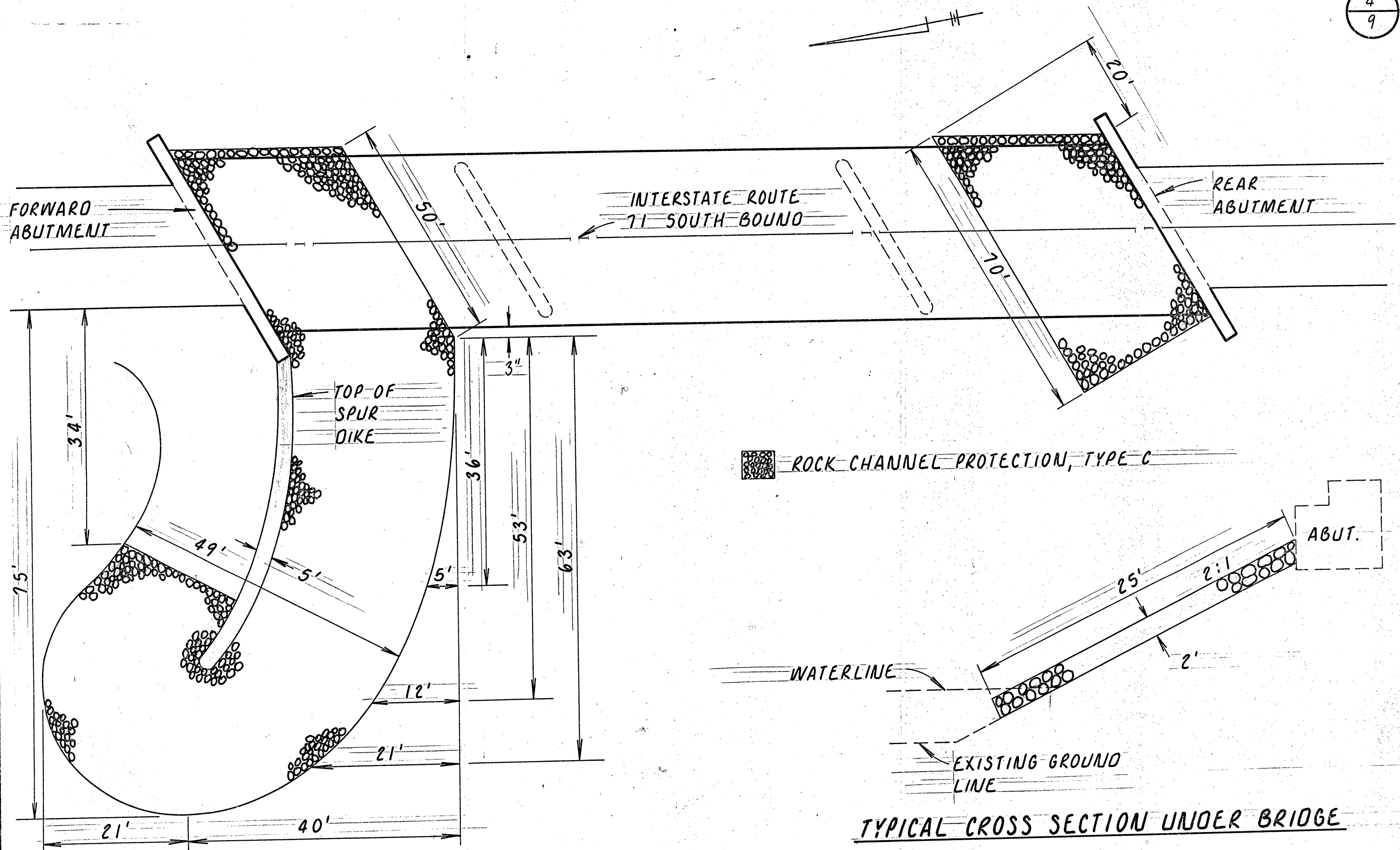
ITEM 511 CLASS C CONCRETE, PILE ENCASEMENT, AS PER PLAN

CONCRETE SHALL BE PLACED AROUND THE PIER PILES ON STRUCTURE RIC-97-1425 AND AROUND THE ABUTMENT PILES ON RIC-546-0498 AS PER DETAILS IN THE PLAN. THE COST OF ANY EXCAVATION NEEDED TO DO THIS WORK SHALL BE INCLUDED AS PART OF THIS ITEM.

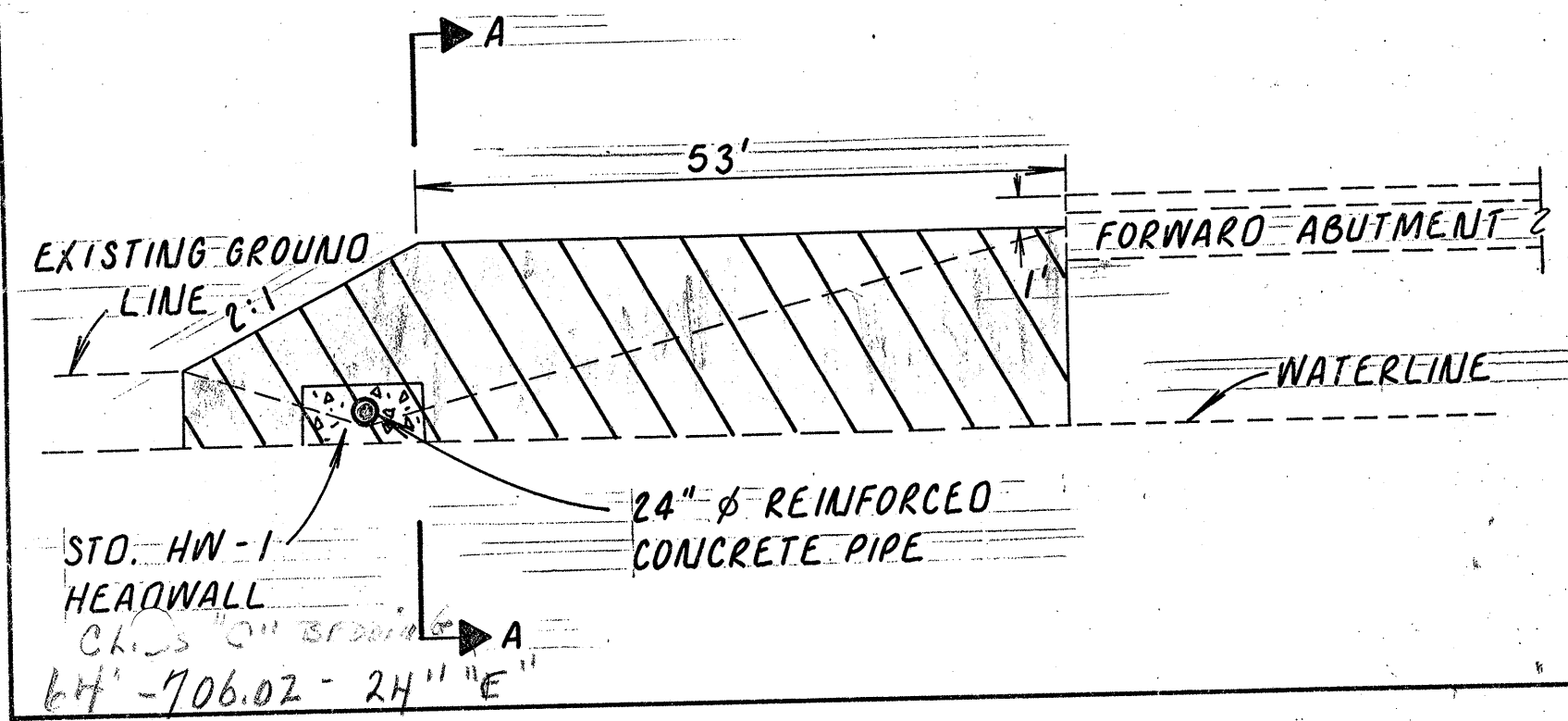
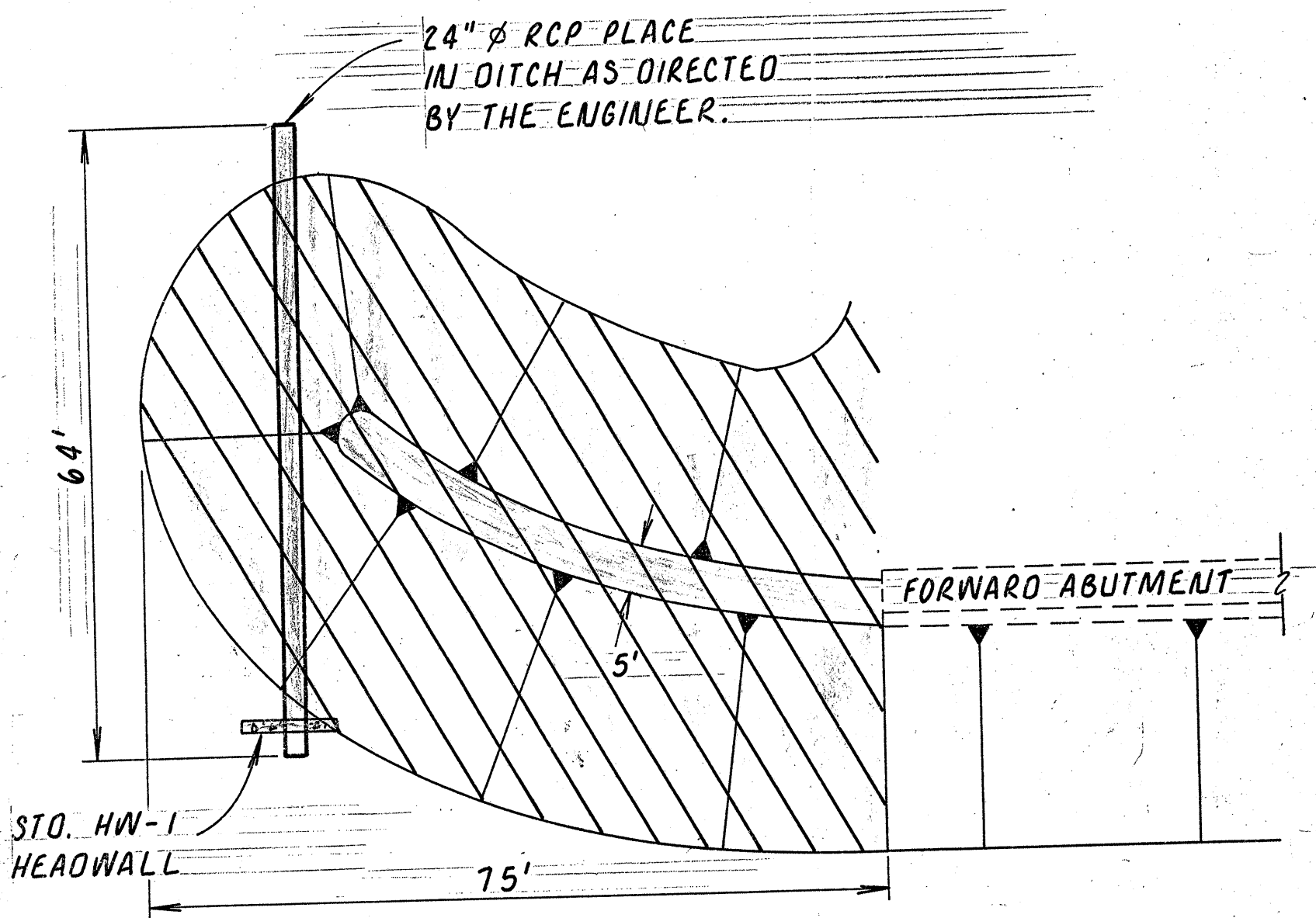
PAYMENT FOR ALL OF THE ABOVE SHALL BE INCLUDED IN THE UNIT PRICE BID PER PER CUBIC YARD FOR ITEM 511, CLASS C CONCRETE, AS PER PLAN WHICH SHALL INCLUDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS NECESSARY TO COMPLETE THE ABOVE WORK.




ITEM 601 ROCK CHANNEL PROTECTION, TYPE C, AS PER PLAN

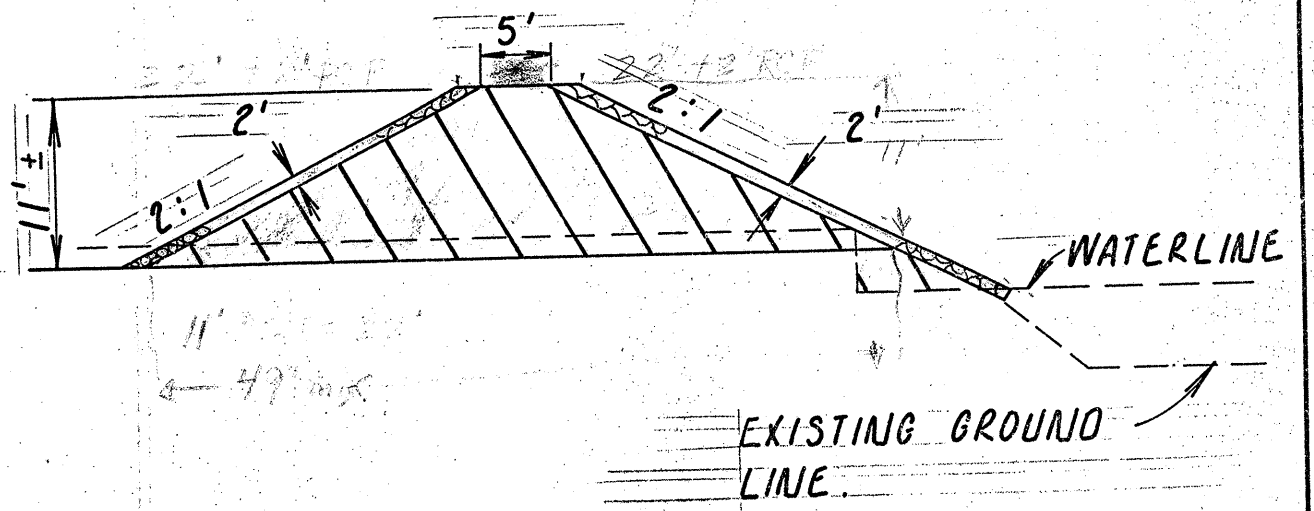
THIS ITEM SHALL BE USED ON STRUCTURES RIC-97-1425 AND RIC-546-0498. THE FILTER SHALL BE FILTER FABRIC AS PER 601.08.



PART I
 RIC-71-0439



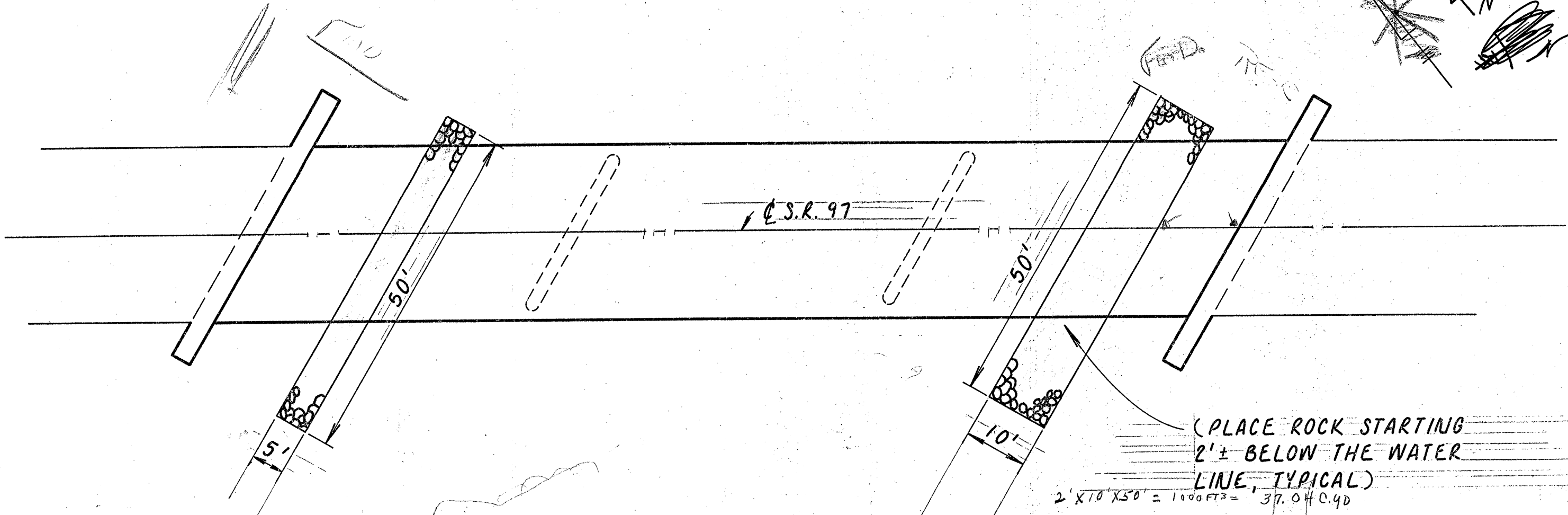
-  ROCK CHANNEL PROTECTION, TYPE C
REF # 5 I-601
-  EMBANKMENT
REF # 1-I203
-  CONCRETE MASONRY
R#6-I602



SECTION A-A

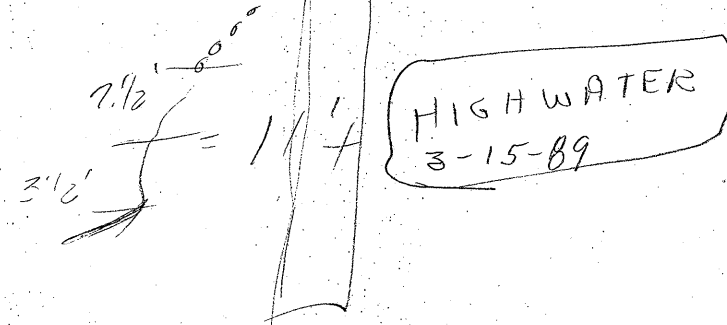
PART I
RIC-71-0439


STO. HW-1 HEADWALL
CH. 5 "0" BRIDGE
64'-706.02 - 24" "E"

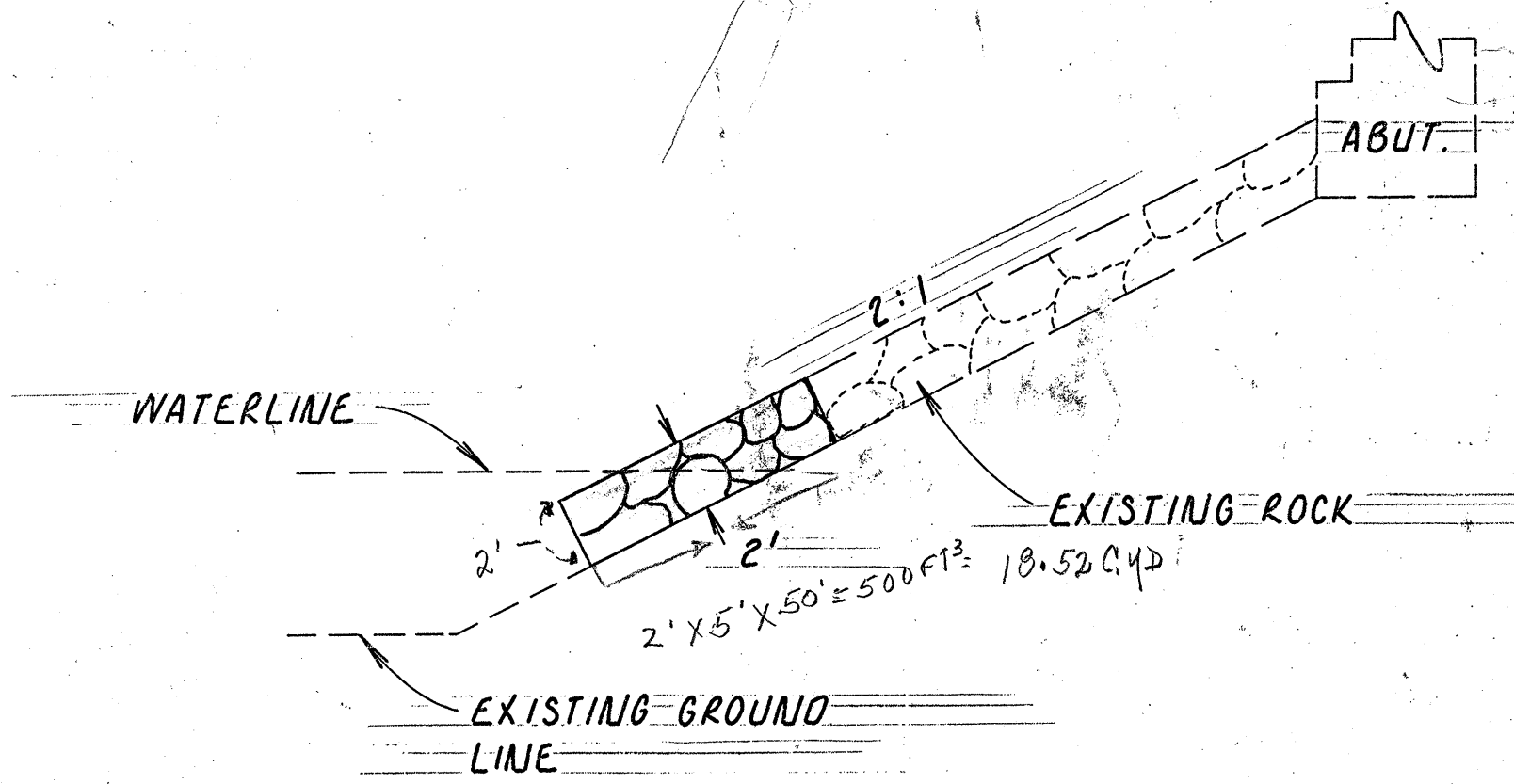


(PLACE ROCK STARTING
2' ± BELOW THE WATER
LINE, TYPICAL)

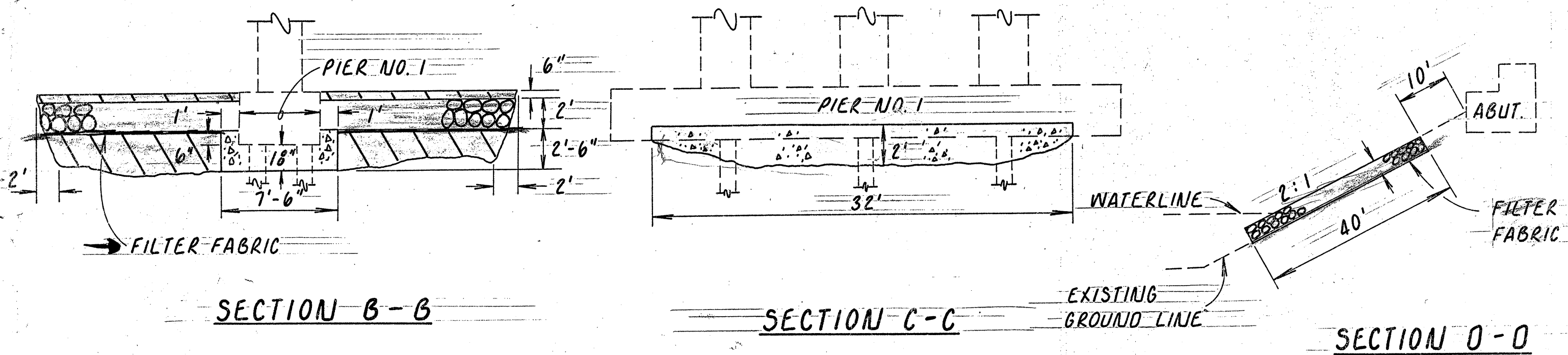
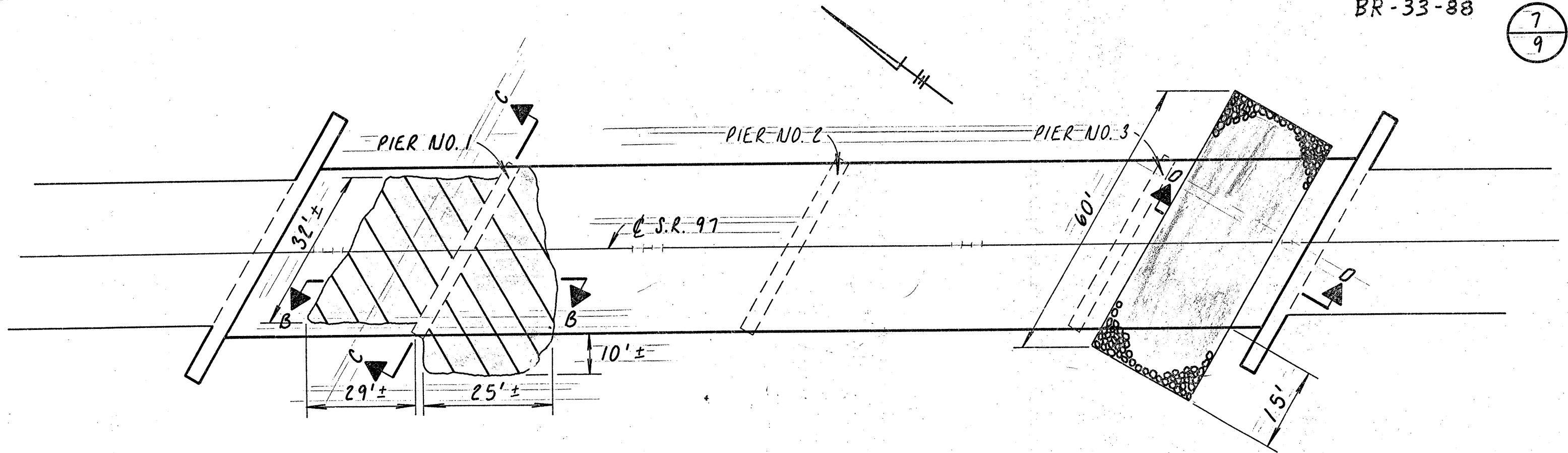
$2' \times 10' \times 50' = 1000 \text{ FT}^3 = 37.04 \text{ CYD}$

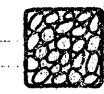




 ROCK CHANNEL PROTECTION, TYPE C
REF # 5-601



TYPICAL CROSS SECTION UNDER BRIDGE



-  ROCK CHANNEL PROTECTION, TYPE C WITH FILTER
REF # 4 I 601
-  EMBANKMENT
REF # 1 I 203
-  CONCRETE CLASS C REF # 3 - I 511
 $11' \times 6" \times 32' = 212.16 \text{ FT}^3$
 $32' \times 7'6" \times 18" = 360 \text{ FT}^3$
 $392 \text{ FT}^3 = 14.52 \text{ YD}^3$

PART 3
RIC-97-1425



DO NOT DAMAGE OR BURY EXISTING PIPES

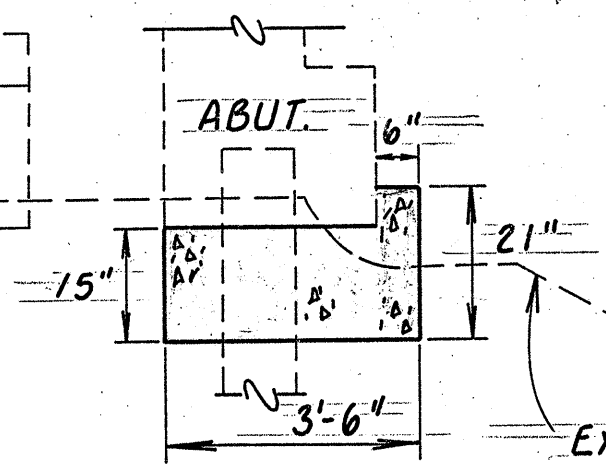
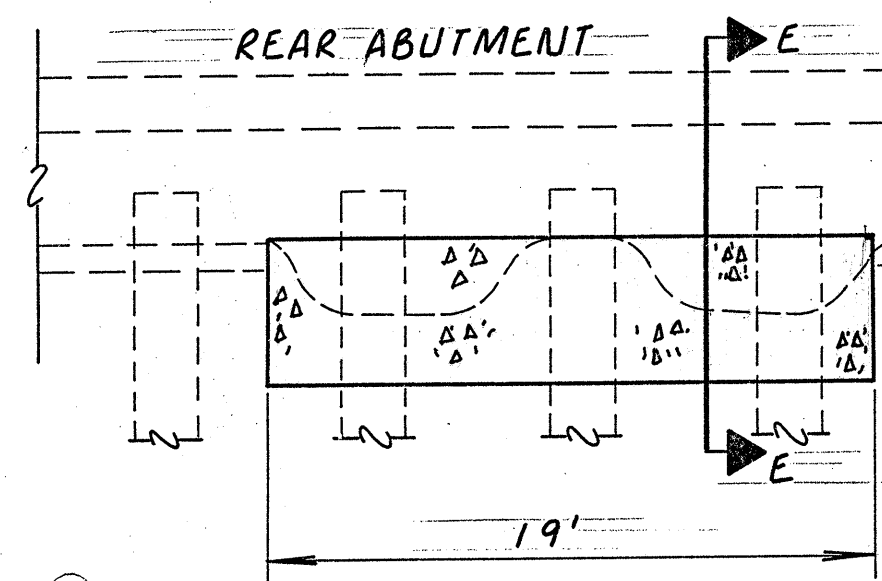
AREA TO ENCASE EXISTING PILES

REAR ABUTMENT

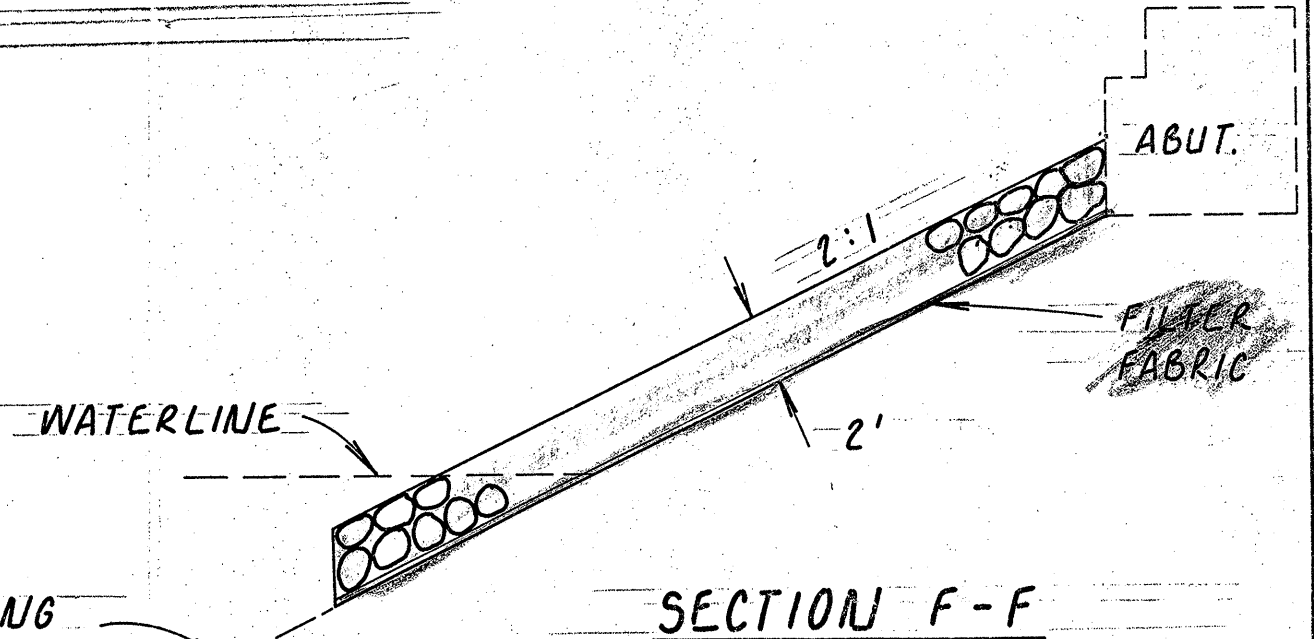
FORWARD ABUTMENT

1-E S.R. 546

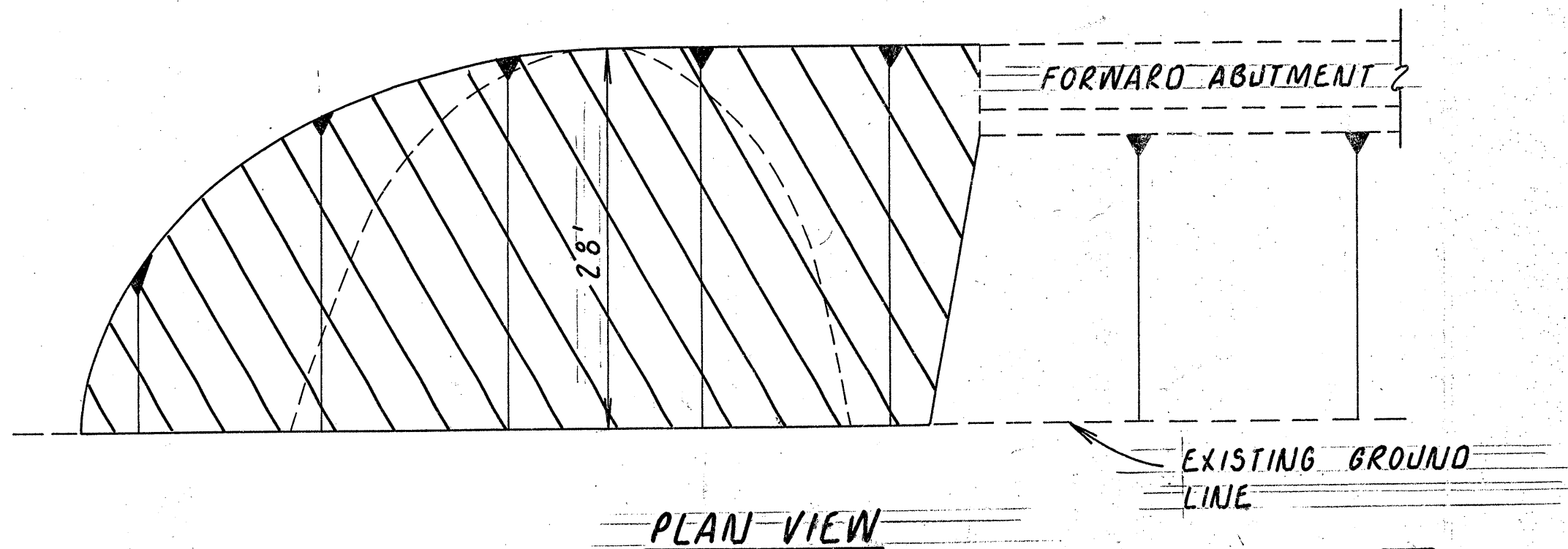
-  ROCK CHANNEL PROTECTION, TYPE C
REF. # 4 #601
-  CONCRETE, CLASS C
REF. # 3 I 511





SECTION E-E



SECTION F-F



-  ROCK CHANNEL PROTECTION, TYPE C
-  EMBANKMENT

