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# STATE OF OHIO DEPARTMENT OF TRANSPORTATION

OHIO	1
FHWA REGION 5	11
FEDERAL PROJECT	

CUYAHOGA, LAKE, AND GEauga COUNTIES  
 CUY-90-(13.72)(17.68)(17.86)  
 CUY-480-17.93  
 LAK-2-14.76  
 LAK-90-23.42  
 GEA-44-1.35

PLAN NO. BR-37-86

CUY-90-(1372)(1768)(1786)  
 CUY-480-1793 R  
 GEA-44-0135  
 LAK-2-1476 L&R  
 LAK-90-2342 L&R

CITIES OF CLEVELAND, & INDEPENDENCE  
 PAINESVILLE, MADISON, & AUBURN TOWNSHIPS

MICROFILM  
 APR. 8 1992

## BRIDGE SLOPE REPAIR

### 1985 SPECIFICATIONS

The standard specifications of the State of Ohio, Department of Transportation, including changes and supplemental specifications listed in the proposal shall govern this improvement.

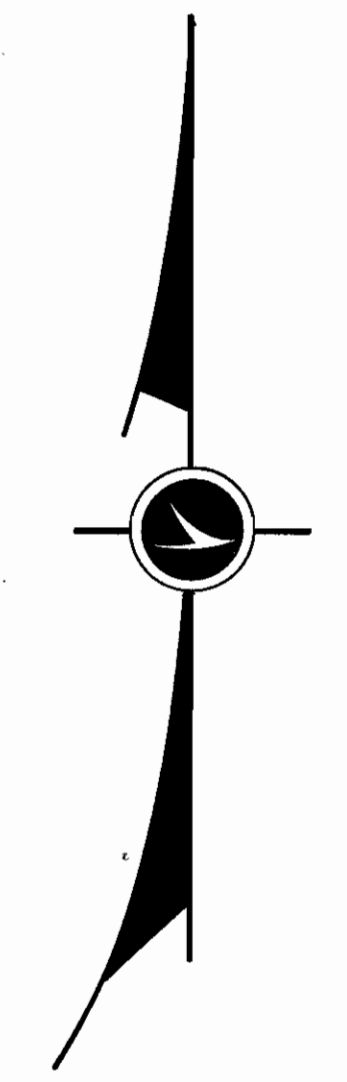
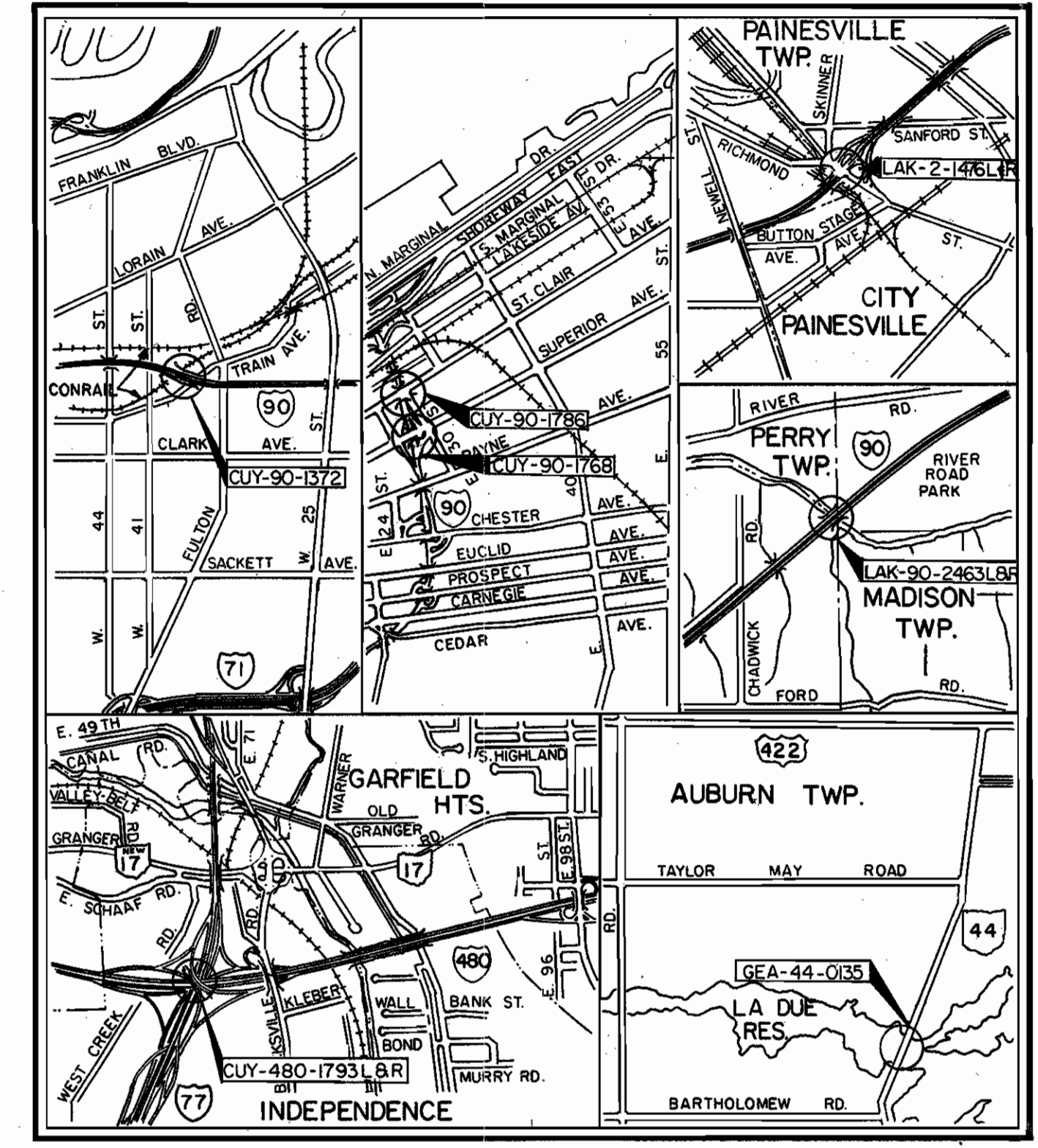
I hereby approve these plans and declare that the making of this improvement will not require the closing of the highway to traffic and that provisions for maintenance and safety of traffic will be as set forth on the plans and estimates.

### CONVENTIONAL SIGNS

County Line	-----	Limited Access (only)	-----	LA
Township Line	-----	Right of Way (only)	-----	RW
Section Line	-----	Limited Access & Right of Way	-----	LA & RW
Corporation Line	----- or -----	Existing Right of Way	-----	
Fence Line (existing)	-x-x-	Property Line	--- (in existing fence) ---	x
Fence Line (proposed)	-x-x-	Railroad	----- or -----	
Center Line	352 ----- 353	Guardrail (existing)	-----	(proposed) -----
Trees, Stumps	(to be removed)			
Utility Poles: Telephone	φ			
Power	φ			
Light	φ			

### INDEX OF SHEETS

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SHEET 4 HAS BEEN DELETED	



**UNDERGROUND UTILITIES**  
 TWO WORKING DAYS  
**BEFORE YOU DIG**  
 CALL . . . 800-362-2764 (TOLL FREE)  
 OHIO UTILITIES PROTECTION SERVICE  
 NON MEMBERS  
 MUST BE CALLED DIRECTLY

**LOCATION MAP**  
 SCALE IN FEET  
 0 500 1000 2000 3000 4000 5000  
 1 MILE

### LINE DATA

Portion to be improved \_\_\_\_\_  
 State & Federal Routes \_\_\_\_\_  
 Other Roads \_\_\_\_\_

SUPPLEMENTAL SPECIFICATIONS	

### SCALES

Plan: AS SHOWN ON PLAN SHEETS \_\_\_\_\_  
 Profile: \_\_\_\_\_ Horizontal \_\_\_\_\_, Vertical \_\_\_\_\_  
 Cross Section: Horizontal \_\_\_\_\_, Vertical \_\_\_\_\_

### WORK LIMITS

NET LENGTH OF PROJECT	0.00 LIN. FT.
STRUCTURE NUMBER	NET LENGTH OF WORK
CUY-90-1372	100 LIN. FT.
CUY-90-1768	150 LIN. FT.
CUY-90-1786	100 LIN. FT.
CUY-480-1793	100 LIN. FT.
LAK-2-1476	150 LIN. FT.
LAK-90-2342	100 LIN. FT.
GEA-44-0135	200 LIN. FT.
TOTAL LENGTH OF WORK	900 LIN. FT.

### SUPPLEMENTAL PRINTS OF STANDARD CONSTRUCTION DRAWINGS

MC-5	6-12-75				
BP-2	1-11-85				

Approved Martin A. Gallt  
 Date 2-12-86 District Deputy Director of Transportation

Approved Walter J. Festings  
 Date 6-3-86 Engineer, Bureau of Bridges and Structural Design

Approved James R. Longenecker  
 Date 6-9-86 Deputy Director, Operations

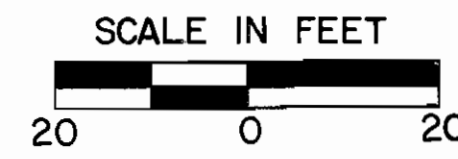
Approved Walter J. Smith  
 Date 6-10-86 Director, Department of Transportation

Project: \_\_\_\_\_  
 Date of Letting: \_\_\_\_\_ 19\_\_\_\_, Contract No. \_\_\_\_\_

Plan Prepared By:  
 O.D.O.T DISTRICT 12  
 LOCATION & DESIGN

SEAL

# EROSION REPAIR PLAN

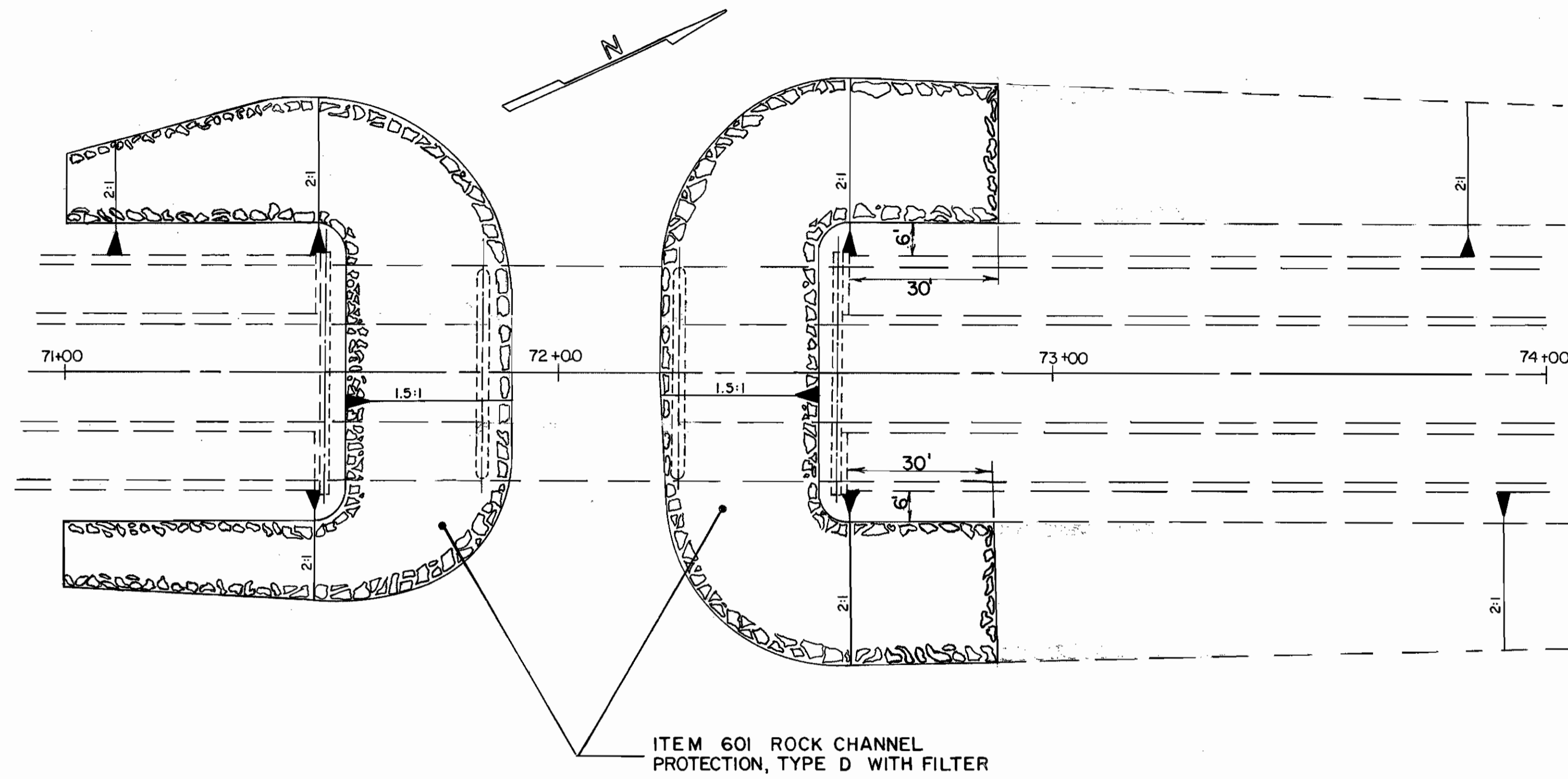


FHWA REGION	STATE	PROJECT	
5	OHIO		

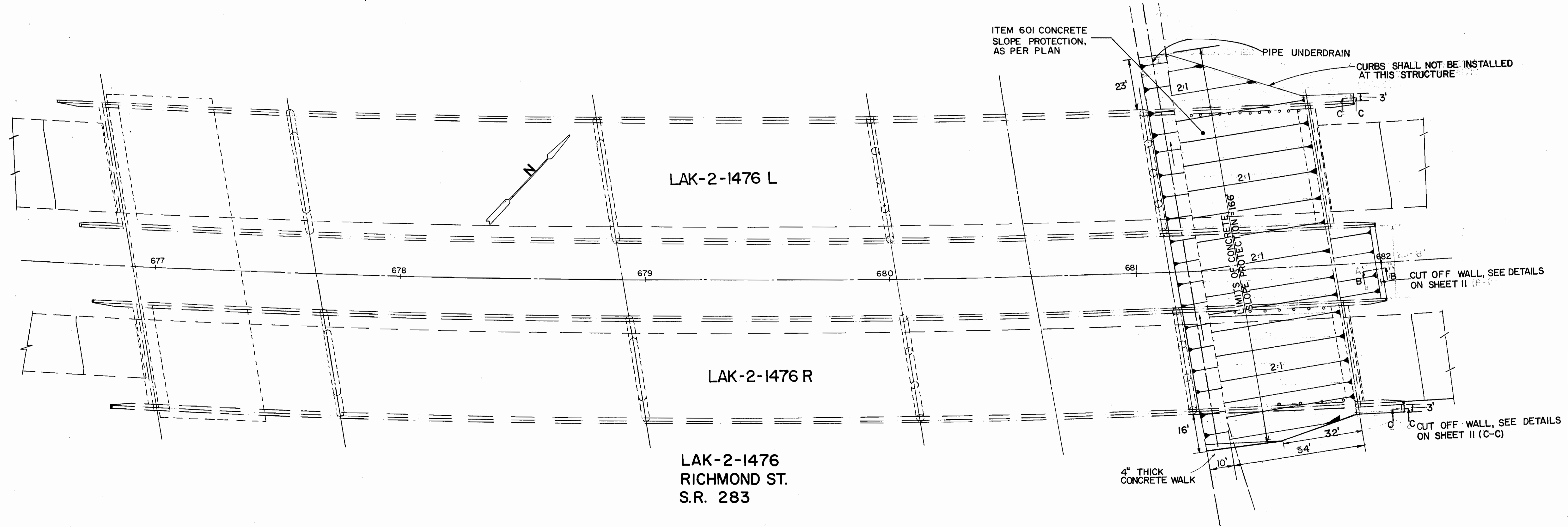
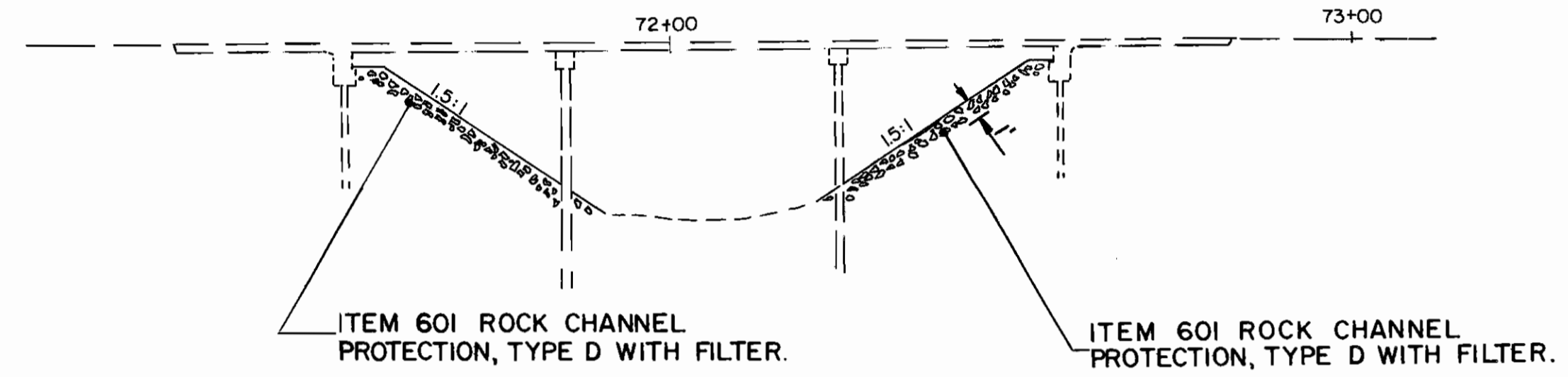
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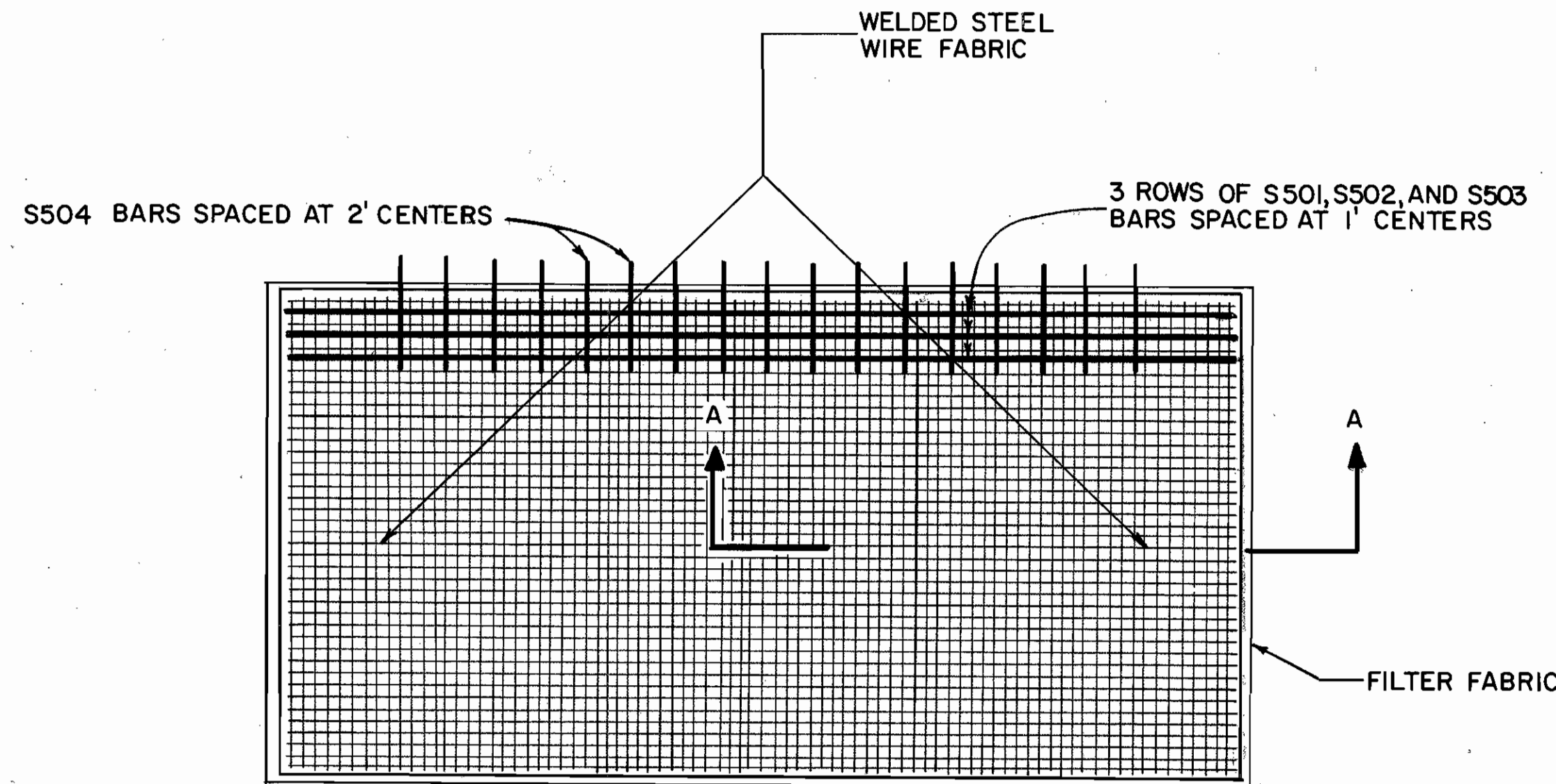


GEA-44-0135  
LA DUE RESERVOIR

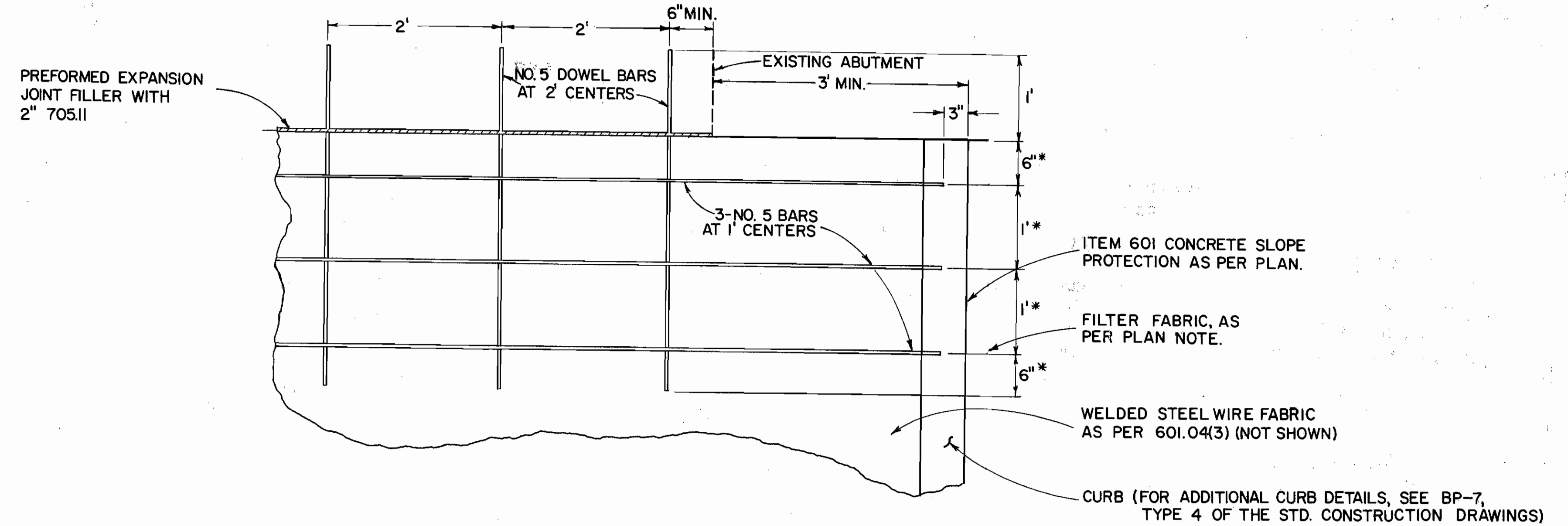




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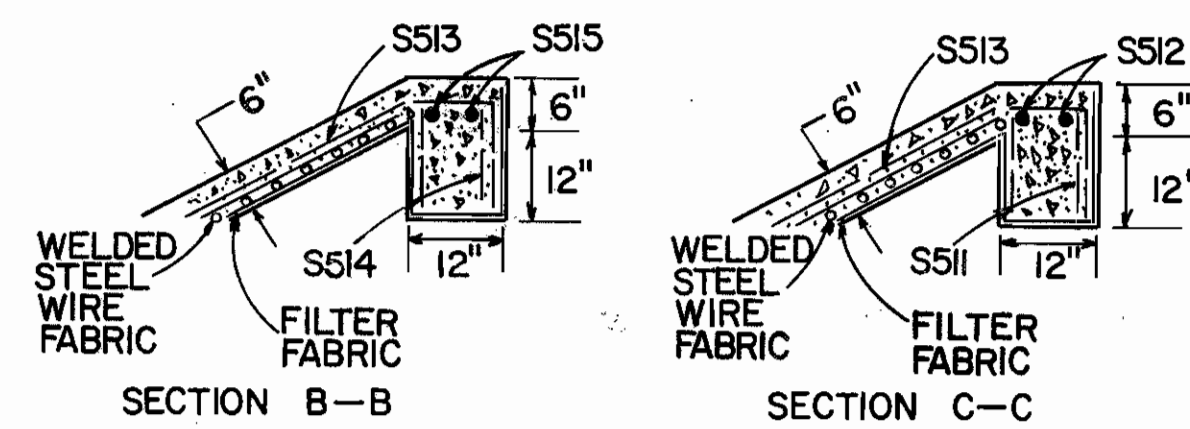


CONCRETE SLOPE PROTECTION AS PER PLAN

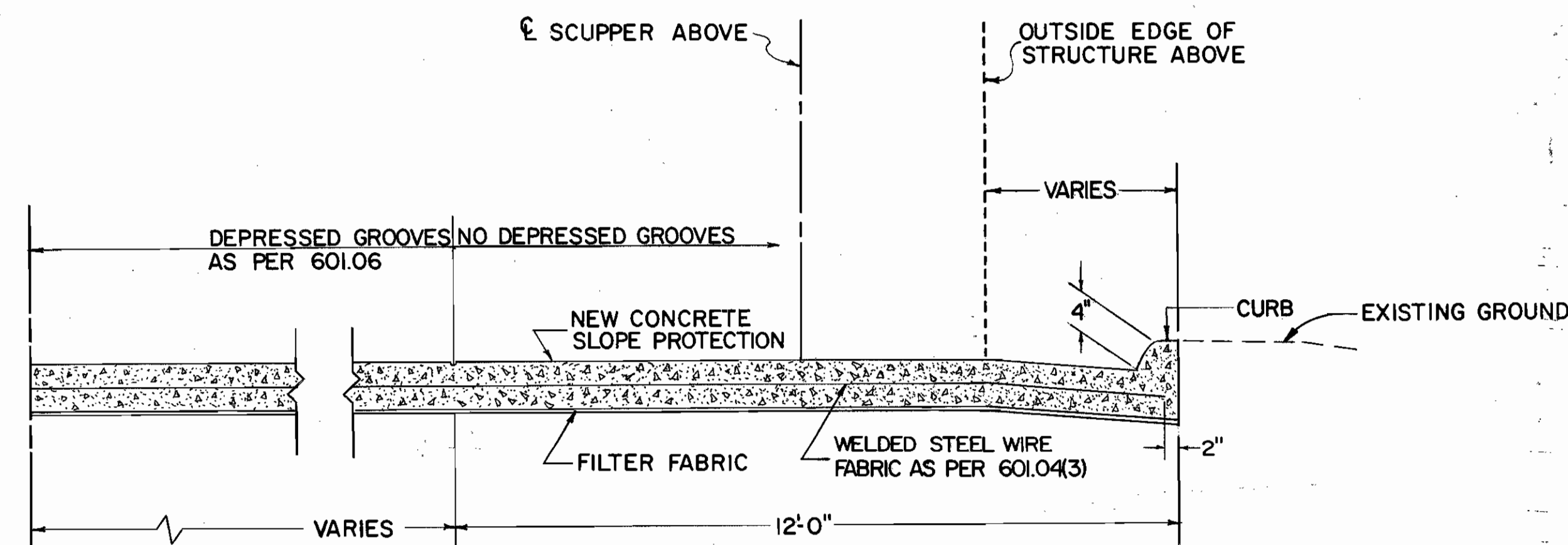


SLOPE PROTECTION REINFORCING DETAIL

\* LENGTH AS MEASURED ALONG SLOPE.



CUT OFF WALL DETAILS

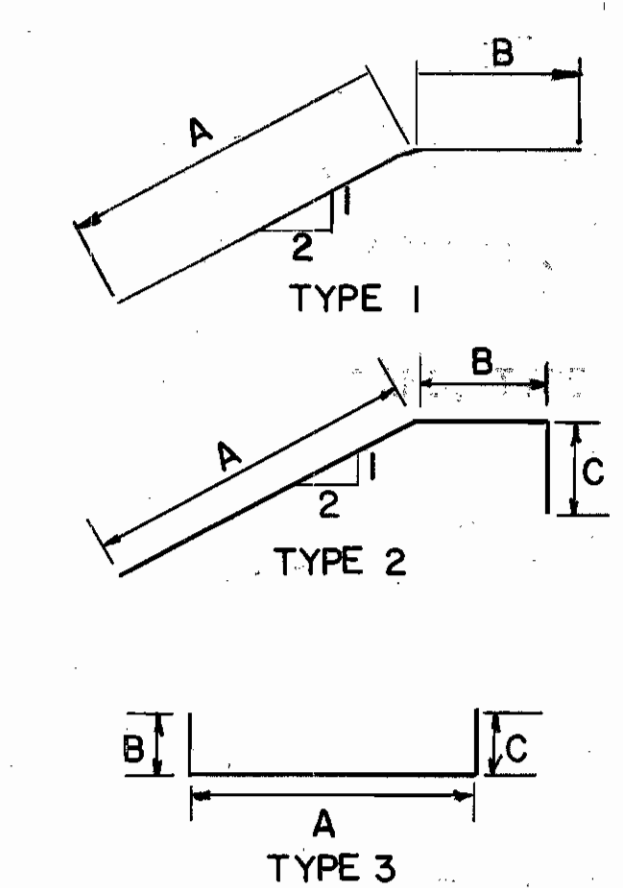


CONCRETE SLOPE PROTECTION AS PER PLAN

DEPRESSED GROOVES OMITTED ONLY IN AREAS UNDERNEATH SCUPPERS

SECTION A-A

STRUCTURE NO.	NO. (ea.)	MARK	TOTAL WT. (lbs.)
CUY-90-1786 EAST END	38	S504	441
	9	S501	
CUY-90-1768 WEST END	50	S504	548
	9	S501	
	3	S502	
CUY-90-1768 EAST END	50	S504	548
	9	S501	
	3	S502	
LAK-2-1476 L+R EAST END	2	S515	1039
	2	S514	
	36	S513	
	4	S512	
	4	S511	
	63	S504	
	12	S501	
3	S503		
GRAND TOTAL			2576 lbs.



MARK	SPACING	TOTAL NO.	LENGTH	WEIGHT	TYPE	A	B	C
S501		39	30'	1220 lbs.	STR.			
S502		6	18'-6"	116 lbs.	STR.			
S503		3	22'-8"	71 lbs.	STR.			
S504	2'-0" c/c	201	4'	840 lbs.	I			
S511		4	4'-3"	18 lbs.	3	2'-6"	1'-0"	1'-0"
S512		4	2'-6"	10 lbs.	STR.	2'-6"		
S513	2'-0" c/c	36	4'-8"	175 lbs.	2	3'-0"	10"	1'-0"
S514		2	31'-1"	65 lbs.	3	29'-4"	1'-0"	1'-0"
S515		2	29'-4"	61 lbs.	STR.	29'-4"		