

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
F.A.P. 432	531-2-V-HB-I-DL(83)	Cook	8	1
	ILLINOIS	PROJECT		

*(Illinois 53)
SLT-91-001-83

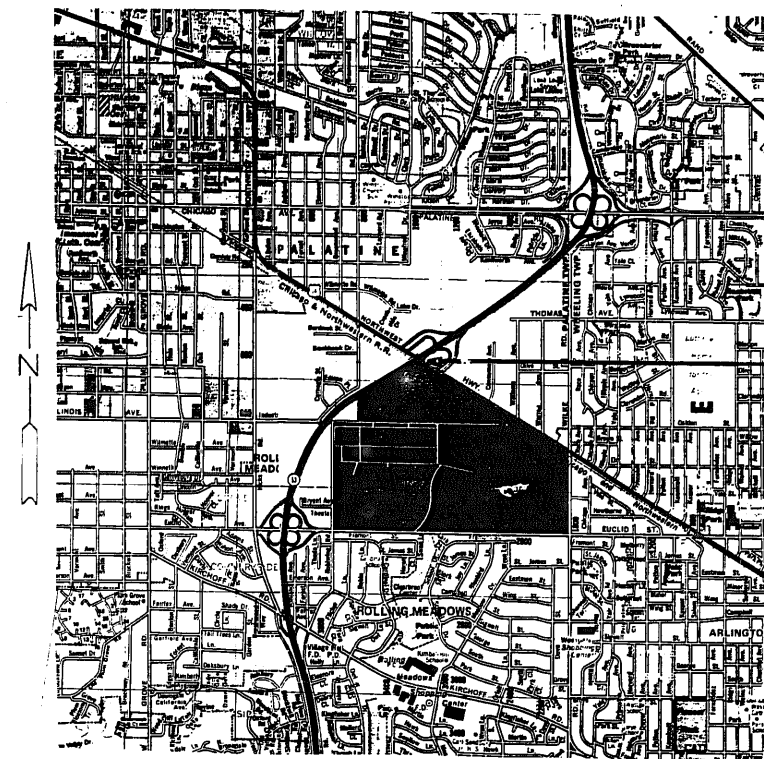
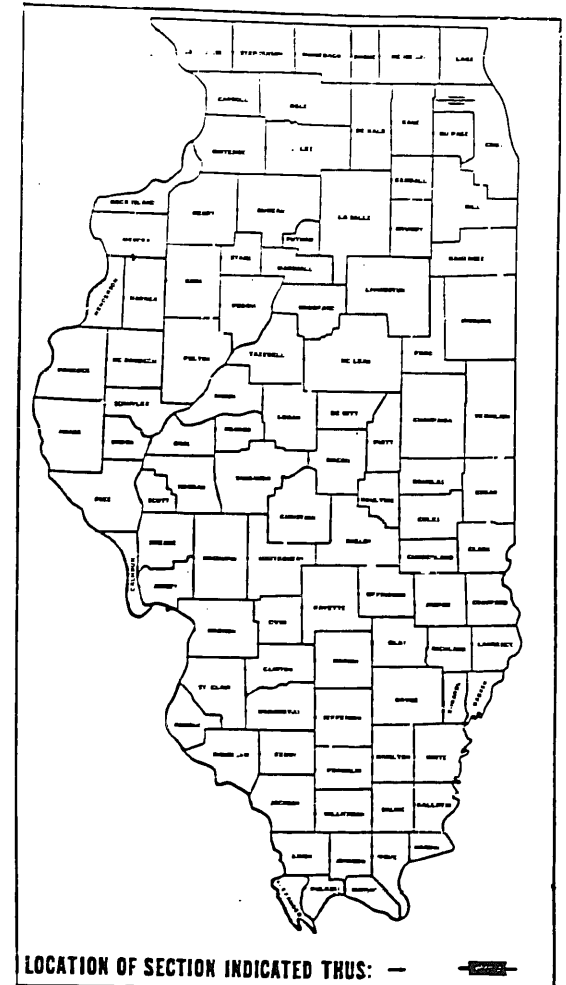
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(STRUCTURE DETAILS FOR INFORMATION ONLY)
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8. DISTRICT ONE: ONE LANE CLOSURE

ATTACHED STANDARDS: 2298-6
2299-7
2300-2

SCALES { PLAN
PROFILE HOR.
PROFILE VERT.
CROSS-SECTIONS

ROUTE: F.A.P. 432 (ILL. 53)
SECTION: 531-2-V-HB-I-DL (83)
COOK COUNTY
SLT-91-001-83



LOCATION OF IMPROVEMENT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED DEC 21 1983

Sigmund C. Ziejewski (BKS)
DISTRICT ENGINEER

EXAMINED _____ ENGINEER OF PLANS AND CONTRACTS

APPROVED _____ ENGINEER OF DESIGN

DIRECTOR DIVISION OF HIGHWAYS

J.U.L.I.E. TOLL FREE PHONE NUMBER (800) 892-0123

CONTRACT NO.

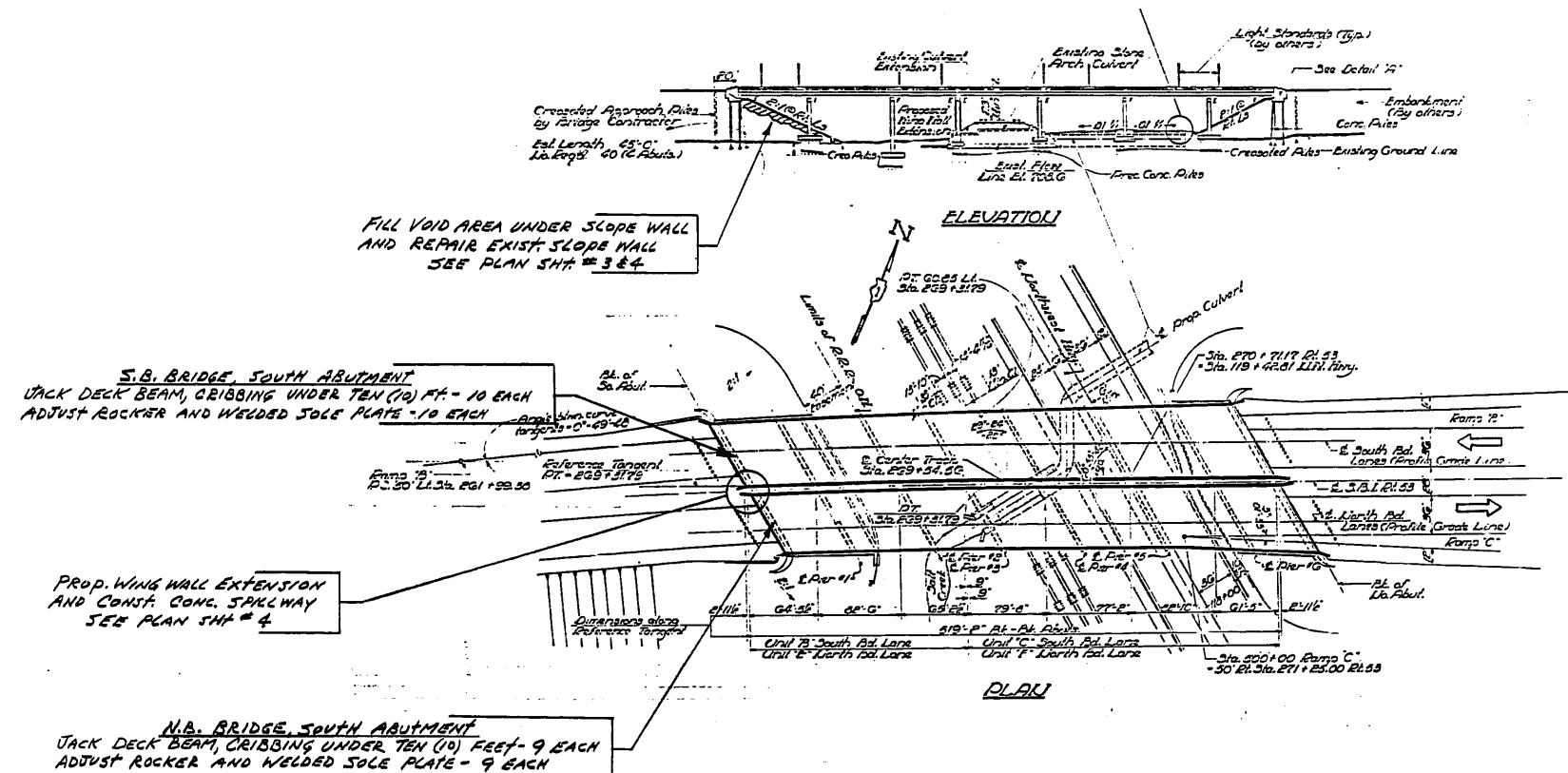
COOK COUNTY SECTION: 531-2-V-HB-I-DL (83) ROUTE: F.A.P. 432 (ILL. 53)

Br. No. 016-1119

ROUTE	SECTION	COUNTY	TOTAL SHEET	SHT NO.
RAP 432 (ILL 53)	531-2-V-HB-I-DL(B)	COOK	8	2

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANT.
209003	POROUS GRANULAR EMBANKMENT	TONS	209
501928	EXPANSION BOLTS 1/2 INCH	EACH	12
503003	PROTECTIVE COAT	SQ. YD.	116
504003	CLASS X CONCRETE	CU. YD.	2.3
512001	REINFORCEMENT BARS	LBS.	135
617048	SLOPE WALL REMOVAL	SQ. YD.	97
618001	SLOPE WALL 4"	SQ. YD.	110
628019	REMOVE AND REINSTALL STEEL PLATE BEAM GUARDRAIL, SINGLE RAIL	L. FT.	50
643017	TRAFFIC CONTROL & PROTECTION	L. SUM	1
Z10257	JACK DECK BEAM, CRIBBING UNDER TEN (10) FT.	EACH	19
Z19325	PREFORMED JOINT FILLER	L. FT.	200
	ADJUST ROCKER AND WELDED SOLE PLATE	EACH	19



ROUTE	SECTION	COUNTY	TOTAL SHTS	SHT NO
FAP 432 (ILL. 53)	531-2-V-HB-I-DL(83)	COOK	8	3

 SLOPE WALL REMOVAL & REPLACEMENT

REMOVE & REPLACE FAILED SLOPE WALL BEHIND PIER COLUMNS. (TYP. @ 3 LOCATIONS) @ SP. VD. AT EACH LOCATION.

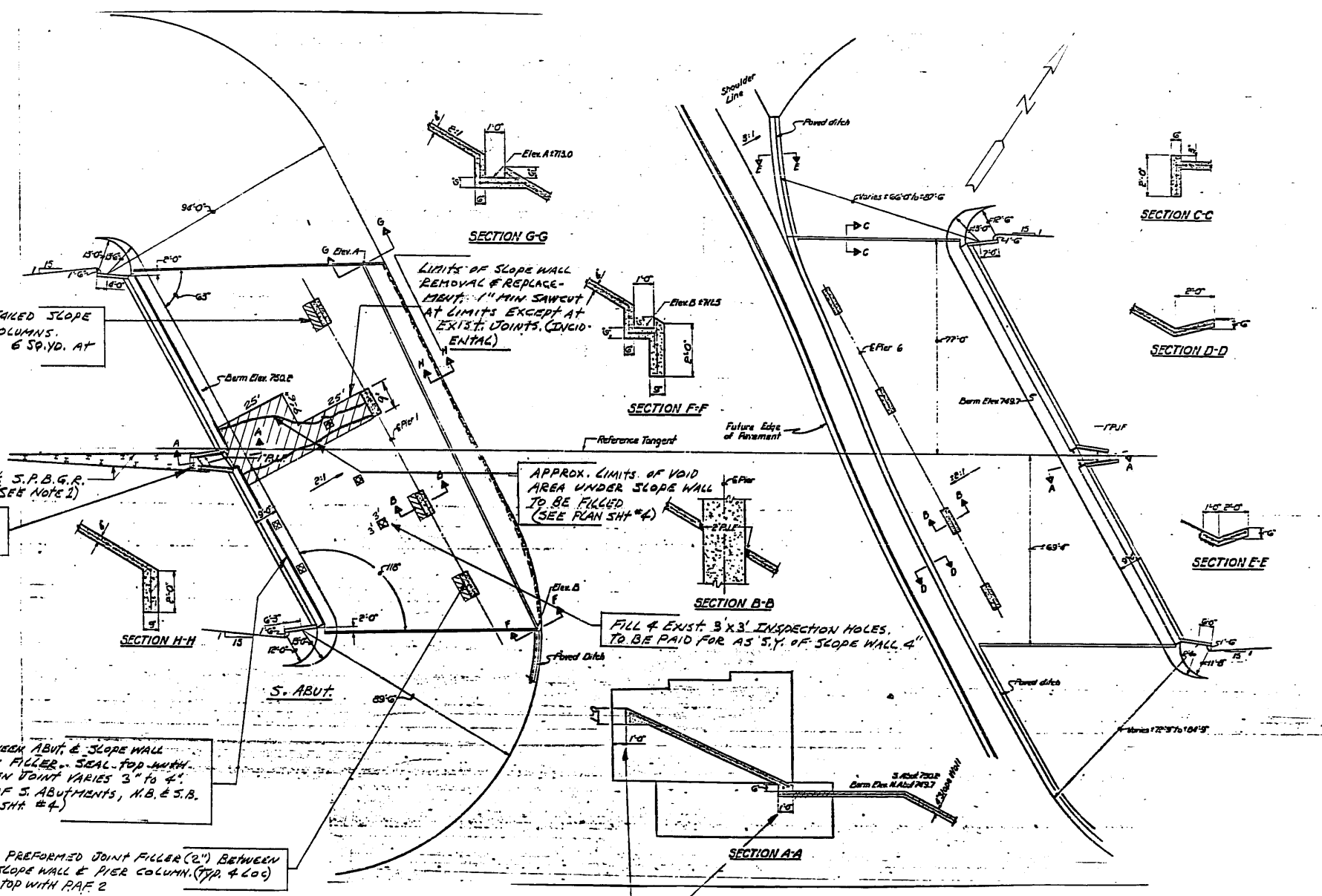
CONSTRUCT WINGWALL EXTENSION & NEW CONC. SPILLWAY BETWEEN WING WALLS (SEE PLAN SHT #4)

NOTE 1: REMOVE & RE-INSTALL S.P.B.G.R. CONNECTED TO WING WALLS TO FACILITATE CONSTRUCTION OF WINGWALL EXTENSION AND NEW CONCRETE SPILLWAY. THIS WORK WILL BE PAID FOR AS "REMOVAL AND REINSTALLATION OF EXISTING STEEL PLATE BEAM GUARD RAIL, SINGLE RAIL" - 50 LIN. FT.

FILL OPEN JOINT BETWEEN ABUT. & SLOPE WALL WITH PREFORMED JOINT FILLER. SEAL TOP WITH P.A.F. 2. WIDTH OF OPEN JOINT VARIES 3" TO 4". TYPICAL FULL WIDTH OF S. ABUTMENTS, N.B. & S.B. BRIDGES. (SEE PLAN SHT #4)

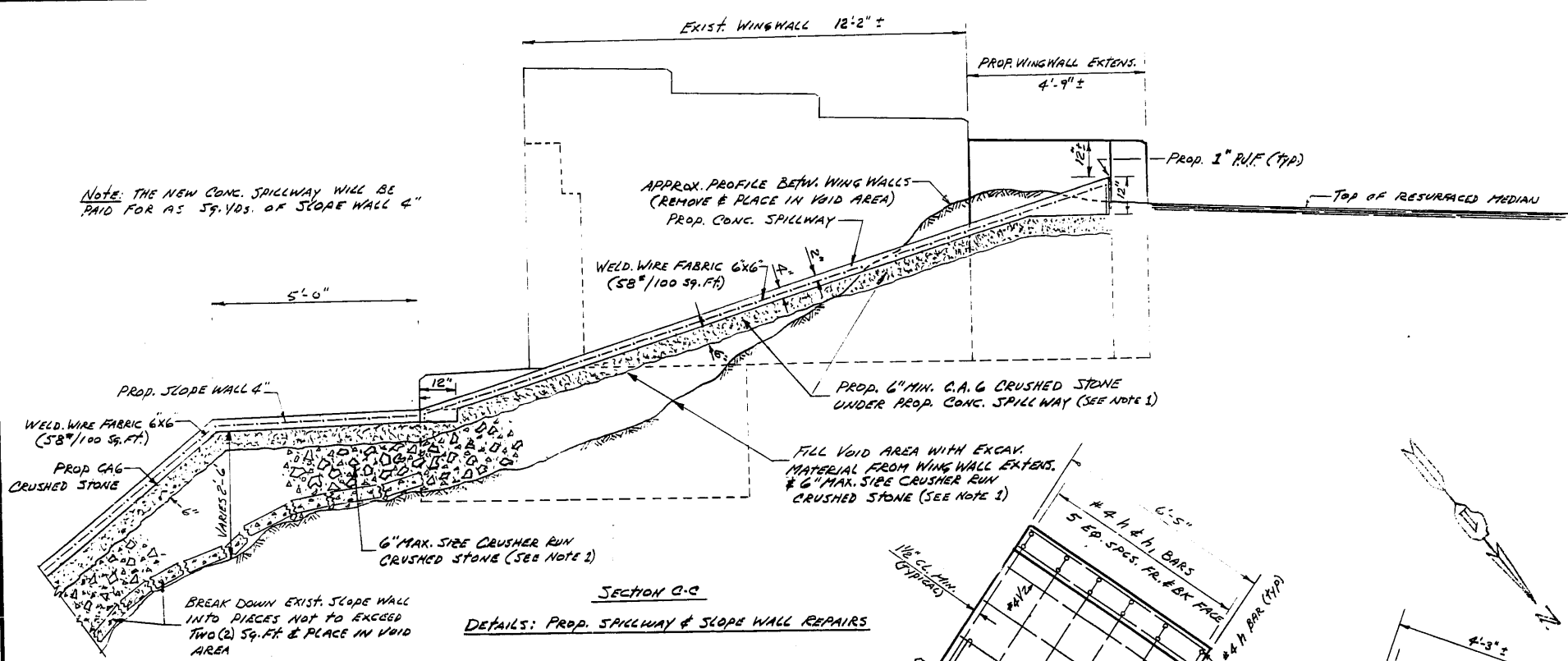
PLACE PREFORMED JOINT FILLER (2") BETWEEN NEW SLOPE WALL & PIER COLUMN. (TYP. 4 LOC) SEAL TOP WITH P.A.F. 2

FAILED (COLLAPSED) SPILLWAY TO BE REPLACED. SEE PLAN SHT #4



SLOPE WALL REPAIRS

FAP RTE. 432 (ILL. RTE. 53), SEC. 531-2-V-HB-I-DL(83)
COOK CO.



WING WALL EXTENSION
BILL OF MATERIALS

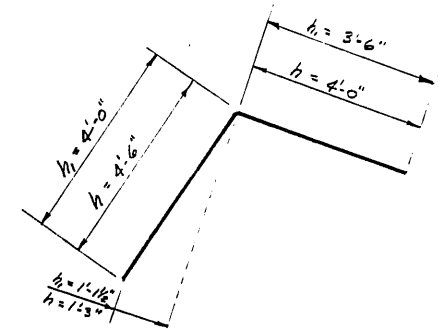
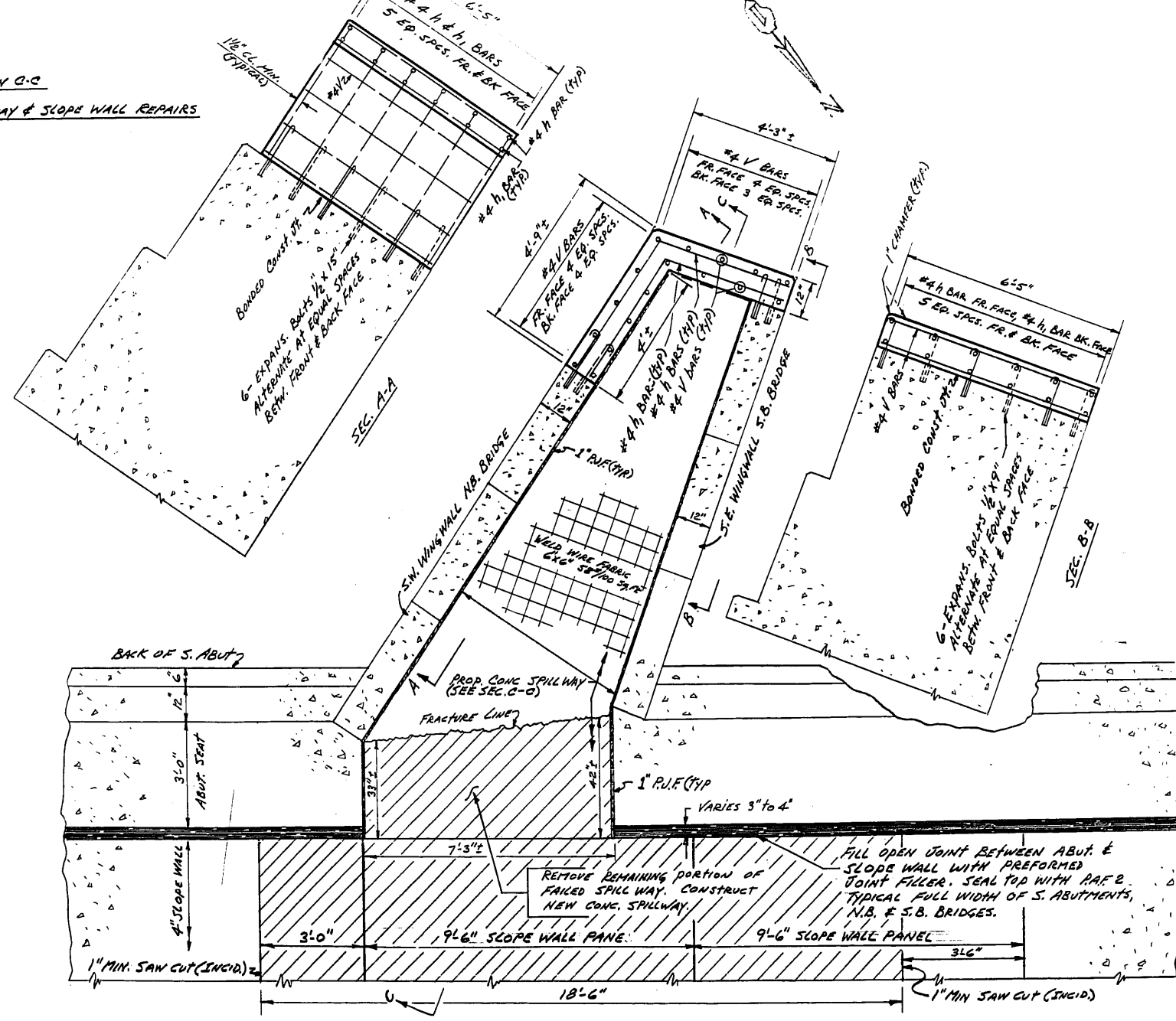
BAR #	"L"	REQ.	SHAPE
h	4	8'-6"	6
h	4	7'-6"	6
V	4	6'-2"	17

EXP. BOLT 1/2" X 9" - 6 EACH
EXP. BOLT 1/2" X 15" - 6 EACH

CL X CONC - 2.3 CY

REINF. BARS - 135 LBS.

NOTE 1: FURNISHING, PLACING & COMPACTING THE 6" LAYER OF C.A.G. CRUSHED STONE AND THE 6" MAX. SIZE CRUSHER RUN CRUSHED STONE SHALL BE PAID FOR AS TONS OF "POROUS GRANULAR EMBANKMENT, SPECIAL"



NOTE: h, & h BARS MAY BE FIELD CUT & BENT TO FIT.

SLOPE WALL REMOVAL & REPLACEMENT (SEE PLAN SHEETS FOR TOTAL LIMITS)

WING WALL EXTENSION & SPILLWAY DETAILS AND FILLING VOID UNDER SLOPE WALL
FAP RE. 432 (REV. 53), SEC. 531-2-V-NB-I-DL(CB)
COOK CO.