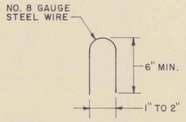
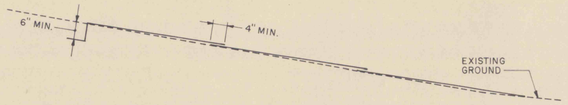
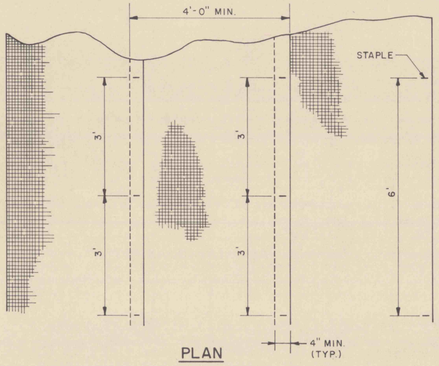
NOTES:

1. JUTE MATTING SHALL CONSIST OF UNDYED JUTE YARN WOVEN INTO A UNIFORM OPEN PLAIN WEAVE MESH WITH APPROXIMATELY 1 INCH SQUARE OPENINGS AND WEIGHING NOT LESS THAN 90 POUNDS PER 100 SQAURE YARDS.
2. THE TOP OF THE UPPER MAT OF EACH ROLL SHALL BE BURIED A MINIMUM DEPTH OF 6" IN A VERTICAL SLOT AND SHALL BE OVERLAPPED 12" BY ANY SUBSEQUENT SECTIONS.
3. WHERE 2 OR MORE WIDTHS ARE PLACED SIDE BY SIDE THE UPPER MAT SHALL OVERLAP THE LOWER BY NOT LESS THAN 4", AND SHALL BE STAPLED ALONG THE OVERLAP AT 3' INTERVALS.
4. THE UNLAPPED EDGE SHALL BE STAPLED AT 6' INTERVALS
5. CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL MATTING UNTIL THE PROJECT HAS BEEN ACCEPTED.
6. JUTE MATTING TO BE USED ON UNPROTECTED SIDE SLOPES THAT EXCEED 2:1.



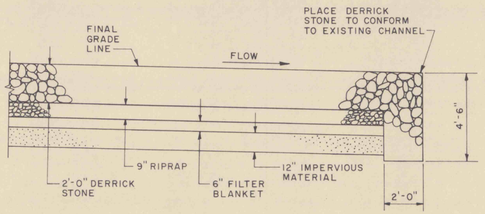


SECTION



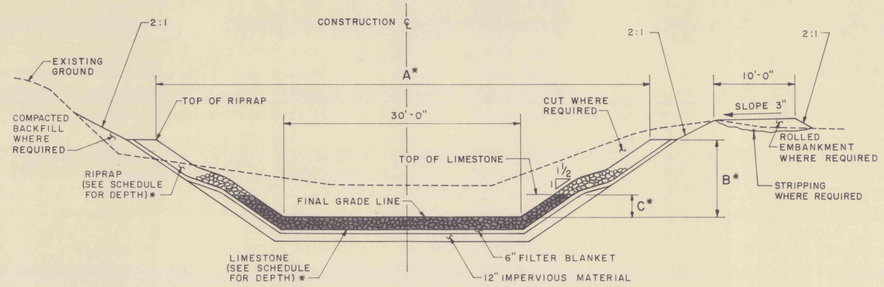
PLAN

TYPICAL JUTE MATTING INSTALLATION (A)



SECTIONAL ELEVATION

DERRICK STONE CUTOFF WALL (B)



*NOTE:
FOR DIMENSIONS, SEE LINED STREAM CHANNEL SCHEDULE, THIS SHEET.

STA. 0+70 TO STA. 30+00

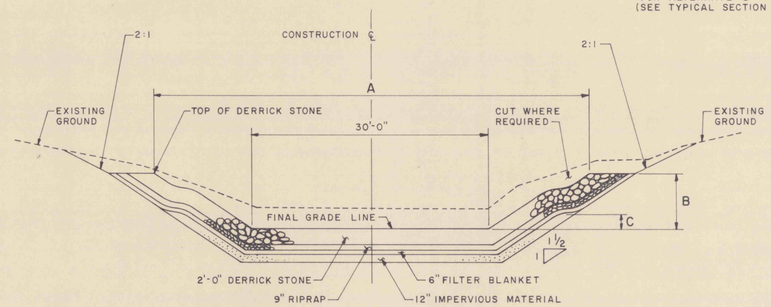
ALTERNATE 'B'

TYPICAL SECTION-LINED STREAM CHANNEL

LINED STREAM CHANNEL SCHEDULE				
STATION	A	B	C	RIPRAP DEPTH *
0+00 TO 0+70	46'-7" TO 55'-7"	7'-7" TO 7'-4"	2'-0"	18"
0+70 TO 5+00	55'-7" TO 53'-0"	7'-4" TO 6'-6"	2'-0"	18"
5+00 TO 5+10	53'-0" TO 53'-2"	6'-6"	2'-0"	18" TO 15"
5+10 TO 10+00	53'-2" TO 55'-5"	6'-6" TO 7'-3"	2'-0"	15"
10+00 TO 10+01	55'-5" TO 55'-6"	7'-3"	2'-0"	15" TO 18"
10+01 TO 21+90	55'-6" TO 69'-9"	7'-3" TO 12'-0"	2'-0"	18"
21+90 TO 22+00	69'-9" TO 70'-4"	12'-0" TO 12'-3"	2'-0" TO 4'-4"	18" TO 12"
22+00 TO 30+00	70'-4" TO 57'-2"	12'-3" TO 7'-10"	4'-4"	12"
30+00 TO 30+50	57'-2" TO 36'-7"	7'-10" TO 8'-2"	TRANSITION	12"
31+88 TO 32+25	34'-0" TO 51'-9"	5'-6" TO 6'-0"	TRANSITION	2'-0" DERRICK STONE
32+25 TO 32+76	51'-9" TO 53'-6"	6'-0" TO 6'-7"	2'-0"	SEE TYP. SECT.
32+76 TO 33+76	53'-6" TO 30'-0"	6'-7" TO 0'-0"	2'-0"	SEE TYP. SECT.

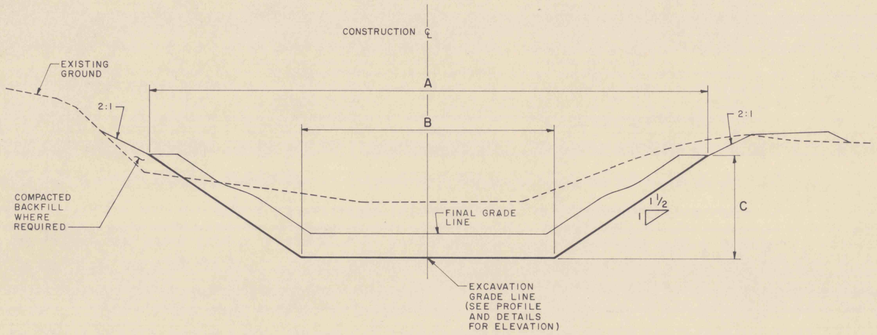
*LIMESTONE TO BE USED FOR ALTERNATE 'B' (SEE TYPICAL SECTION THIS SHEET)

EXCAVATION SCHEDULE			
STATION	A	B	C
0+00 TO 0+70	55'-8" TO 62'-9"	24'-3" TO 31'-10"	10'-7" TO 10'-4"
0+70 TO 5+00	62'-9" TO 60'-3"	31'-10"	10'-4" TO 9'-6"
5+00 TO 5+10	60'-3" TO 59'-6"	31'-10" TO 31'-8"	9'-6" TO 9'-3"
5+10 TO 10+00	59'-6" TO 61'-8"	31'-8"	9'-3" TO 10'-0"
10+00 TO 10+01	61'-8" TO 62'-11"	31'-8" TO 31'-10"	10'-0" TO 10'-3"
10+01 TO 21+90	62'-11" TO 76'-11"	31'-10"	10'-3" TO 15'-0"
21+90 TO 22+00	76'-11" TO 75'-9"	31'-10" TO 31'-6"	15'-0" TO 14'-9"
22+00 TO 30+00	75'-9" TO 62'-7"	31'-6"	14'-9" TO 10'-4"
30+00 TO 30+50	62'-7" TO 40'-3"	31'-6" TO 12'-8"	10'-4" TO 9'-2"
31+88 TO 32+25	41'-6" TO 63'-5"	17'-0" TO 32'-5"	7'-6" TO 10'-3"
32+25 TO 32+76	63'-5" TO 65'-2"	32'-5"	10'-3" TO 10'-10"
32+76 TO 33+76	65'-2" TO 30'-0"	32'-5" TO 30'-0"	10'-10" TO 0'-0"

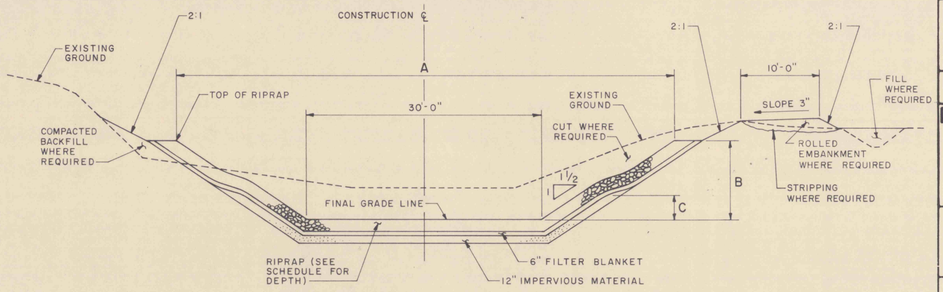


STA. 32+25 TO STA. 33+76

ALTERNATES 'A' AND 'B'



TYPICAL SECTION-STREAM CHANNEL EXCAVATION



STA. 0+70 TO STA. 30+00

ALTERNATE 'A'

TYPICAL SECTIONS-LINED STREAM CHANNEL

NO.	DATE	REVISION	APPR.

SUBMITTED
PROFESSIONAL
APPROVED
CHIEF - DIVISION OF MINE RECLAMATION
APPROVED
DIRECTOR - BUREAU OF DESIGN

REGISTERED PROFESSIONAL ENGINEER
DATE

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
OFFICE OF RESOURCES MANAGEMENT

CONTRACT NO. SL 139-1-6-101.1

MINE DRAINAGE POLLUTION ABATEMENT
FALL BROOK
LACKAWANNA RIVER WATERSHED
LACKAWANNA COUNTY
PENNSYLVANIA

GANNETT FLEMING CORDDRY AND CARPENTER, INC.
Consulting Engineers
P.O. BOX 1963 HARRISBURG, PA.

MISCELLANEOUS DETAILS

DRAWN BY	DATE	DRAWING NO.
R.C.L.	MAY, 1977	10 of 12
CHECKED BY D.J.B.	SCALE NO SCALE	