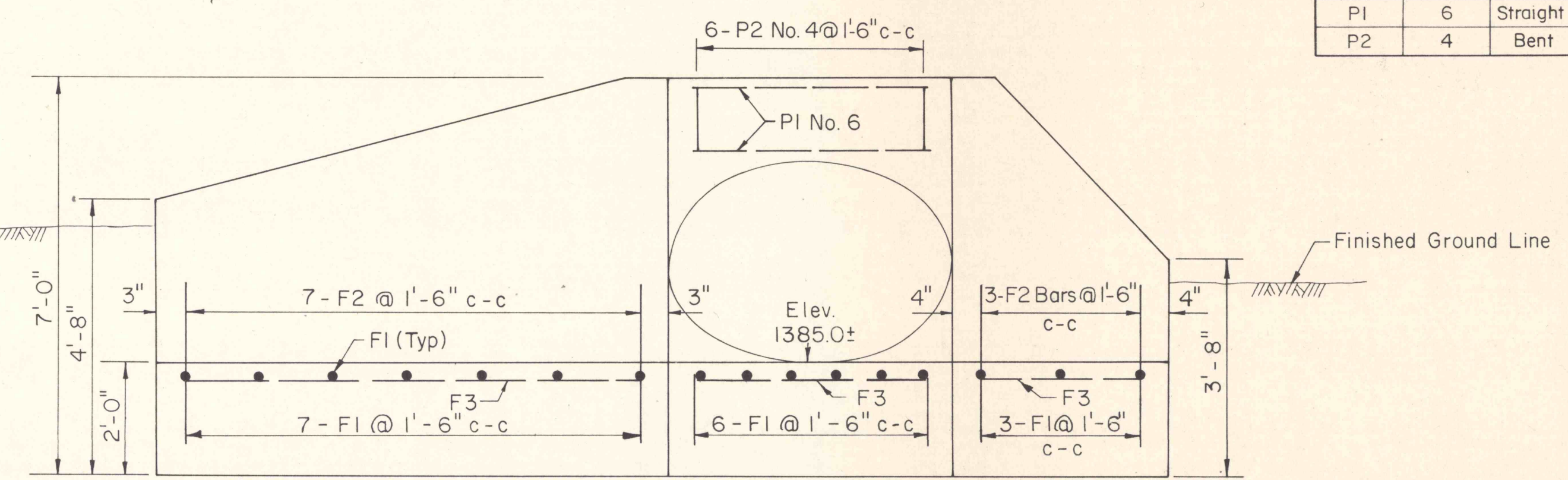


TYPICAL WING WALL SECTION

TYPICAL HEAD WALL SECTION

BAR SCHEDULE

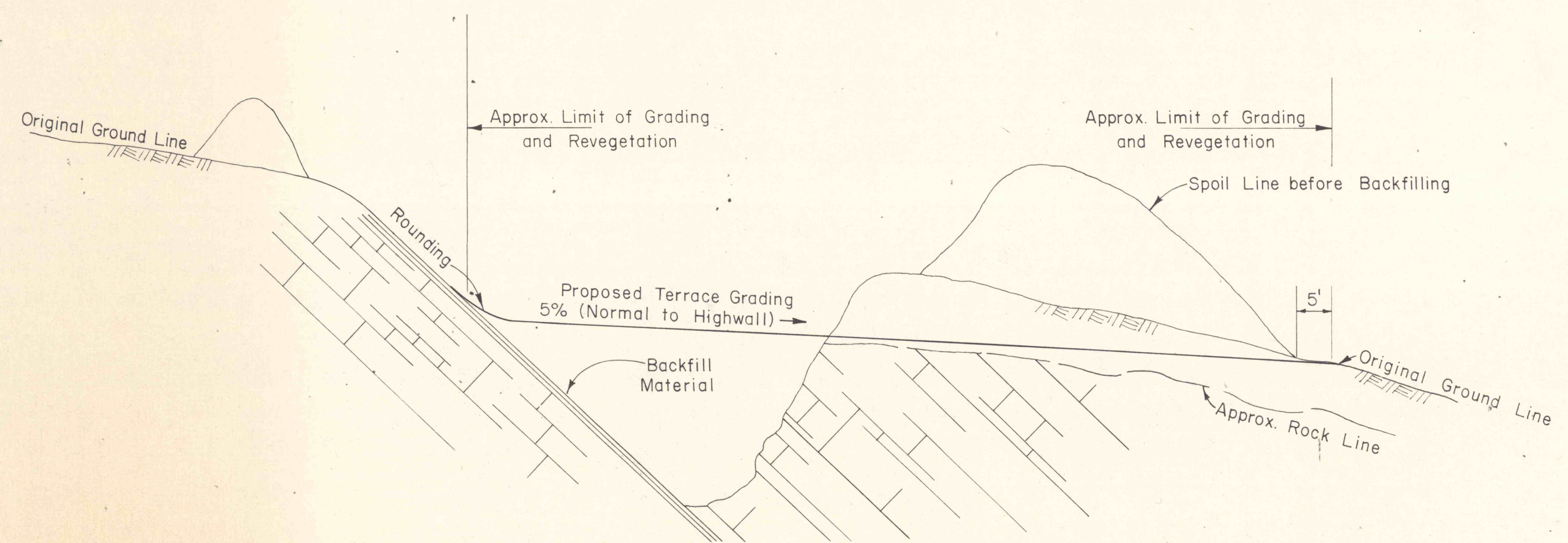
	SIZE	TYPE	NUMBER	LENGTH
F1	5	Straight	16	3'-9"
F2	5	Bent	10	4'-1"
F3	5	Straight	6	7'-0"
PI	6	Straight	4	8'-6"
P2	4	Bent	6	5'-6"



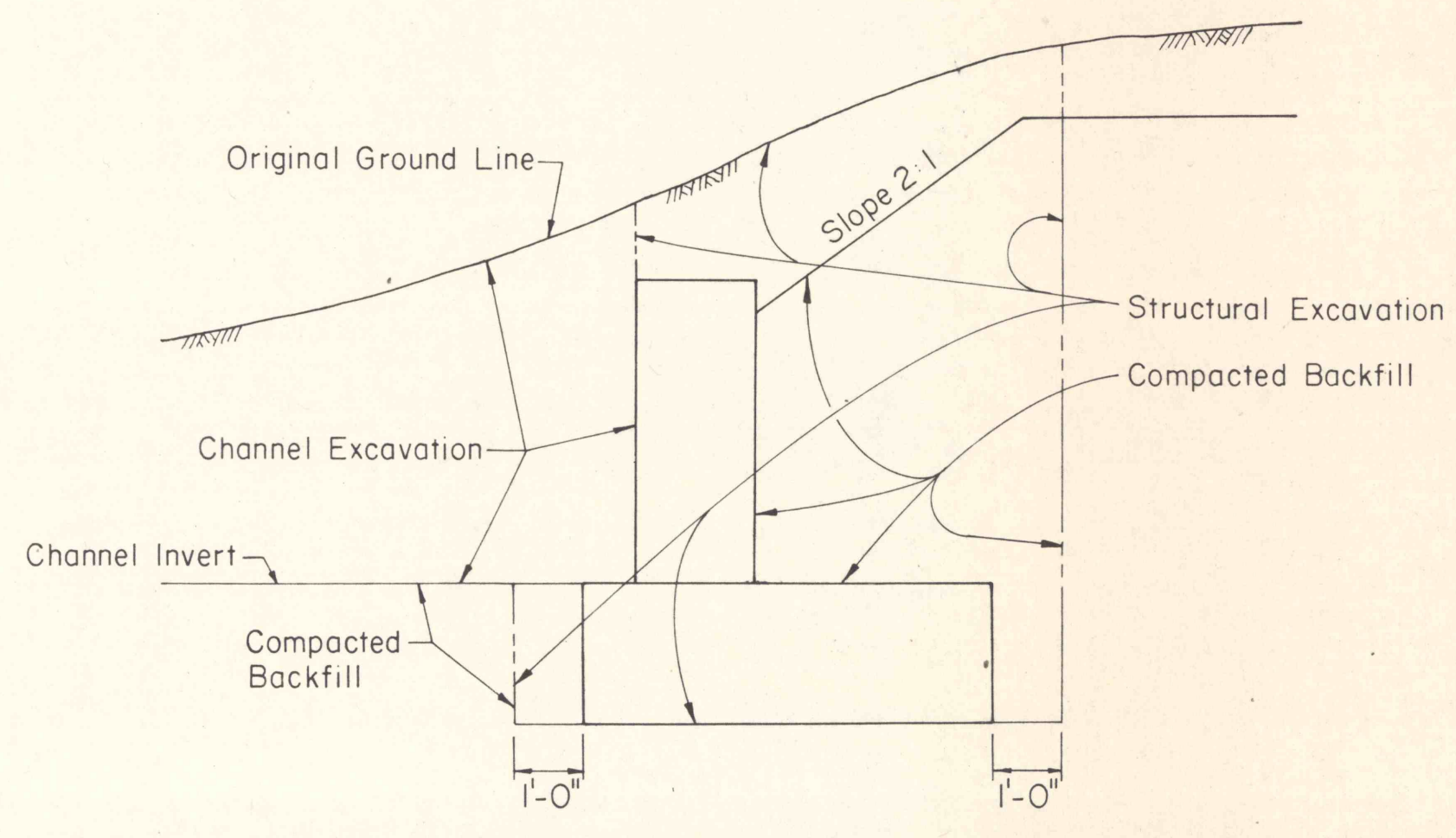
DEVELOPED ELEVATION

### HEADWALL FOR 42" CULVERT

SCALE: 1/2" = 1'



TYPICAL DETAIL FOR STANDARD TERRACING METHOD



TYPICAL WALL EXCAVATION LIMITS

NO	DATE	REVISION	APPR

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

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL RESOURCES  
 OFFICE OF RESOURCES MANAGEMENT

PROJECT NO. SL 113-5-1

MINE DRAINAGE POLLUTION ABATEMENT  
 COAL RUN  
 SHAMOKIN CREEK WATERSHED  
 NORTHUMBERLAND COUNTY, PA.

ERDMAN, ANTHONY, ASSOCIATES  
 Consulting Engineers  
 Camp Hill, Pa. Rochester, N.Y.

HEADWALL DETAILS AND TERRACING DETAIL

DRAWN BY GMS	DATE	DRAWING NO. 22 of 26
CHECKED BY DHC	SCALE AS SHOWN	