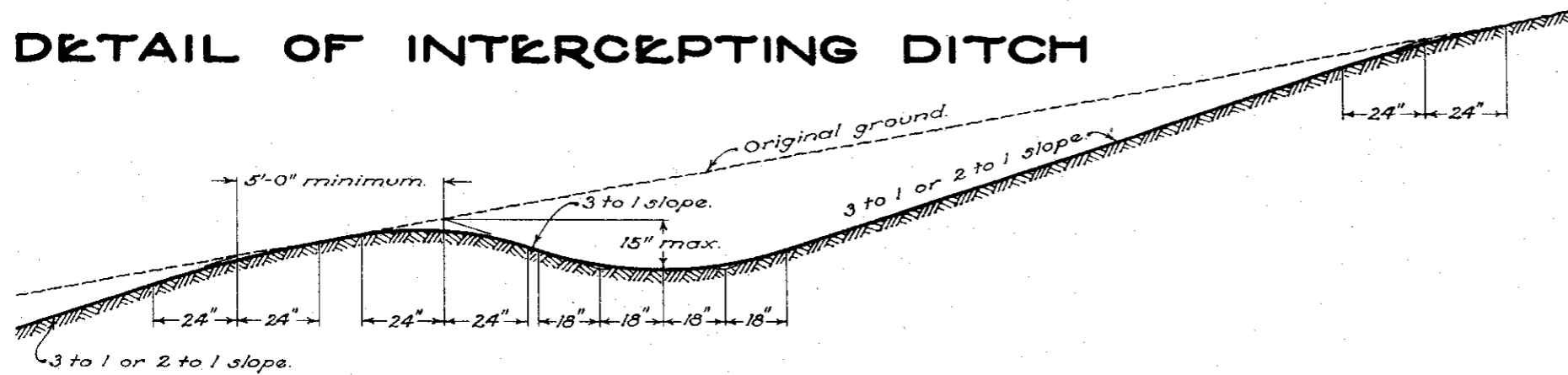


SHOULDERS, SLOPES AND DITCHES

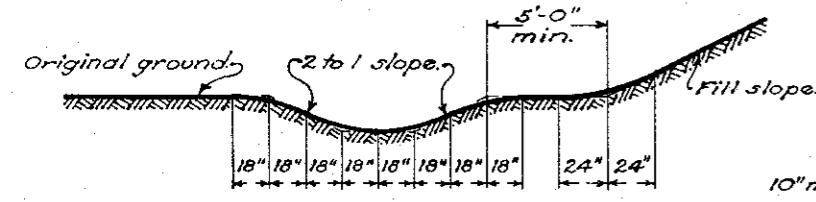
DETAIL OF INTERCEPTING DITCH



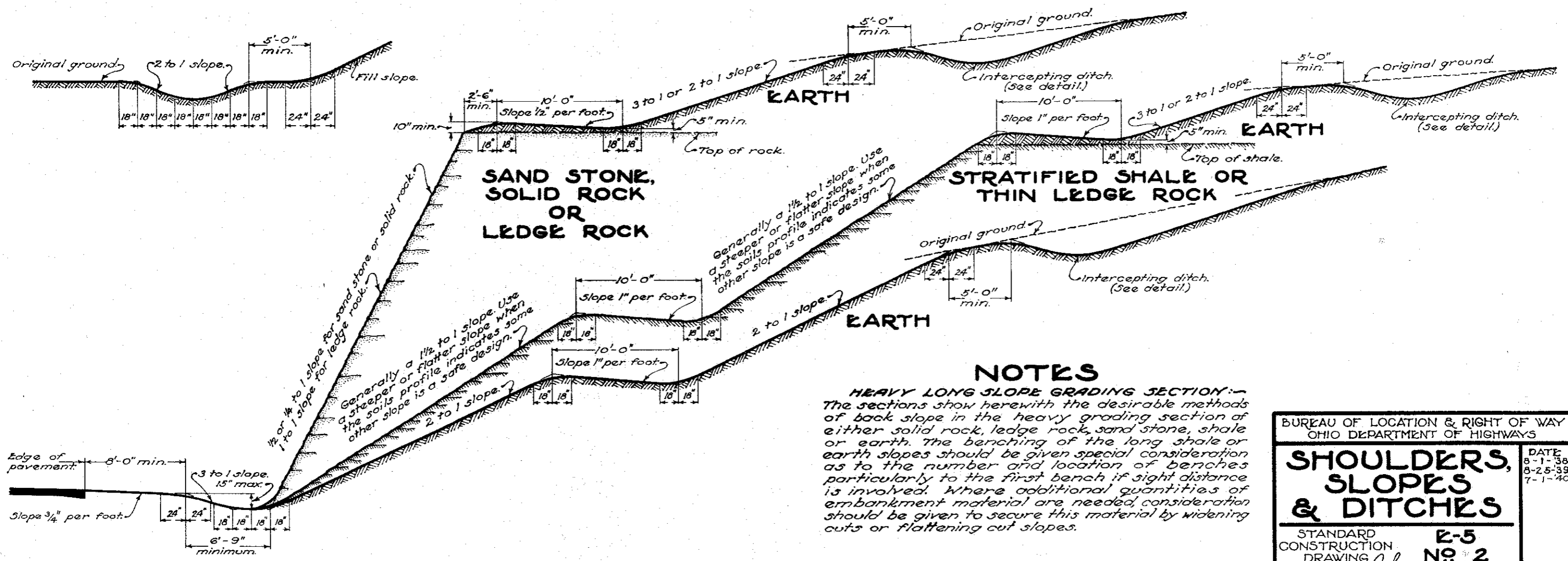
NOTES

THE INTERCEPTING DITCH should be constructed as far from the top of the back slope as right-of-way and topography will permit but should never be closer than the minimum distance shown. Consideration should be given to paving or riprapping the bottom of the intercepting ditch where it assumes a gradient that would cause erosion, taking into consideration the material encountered. All other ditches should be seeded or sodded. Any alternate design for the intercepting ditch should be brought to the attention of the Designing Engineer before incorporating it into the plans.

DITCH AT TOE OF FILL SLOPE



HEAVY LONG SLOPE GRADING SECTIONS



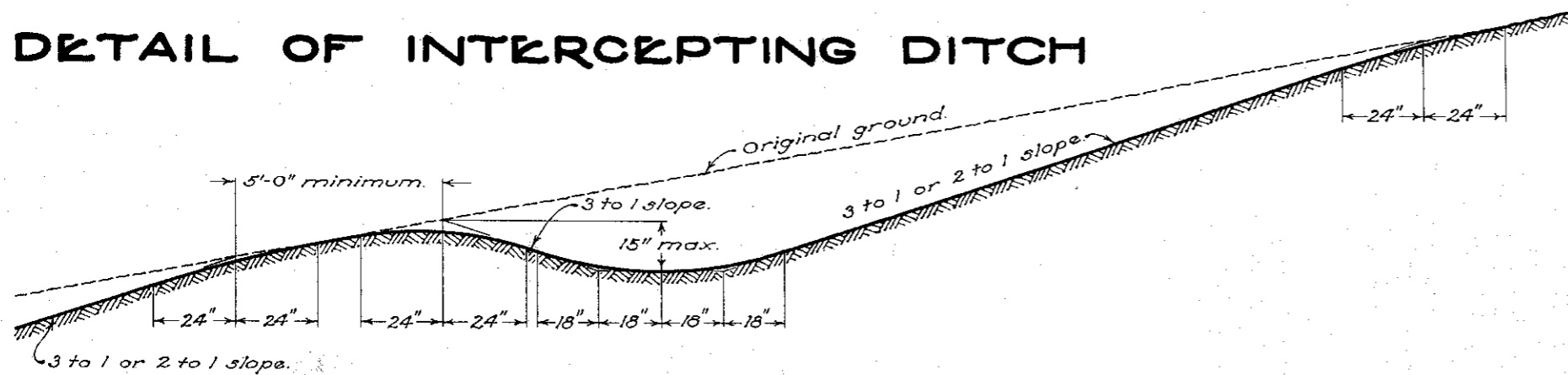
NOTES

HEAVY LONG SLOPE GRADING SECTION:- The sections show herewith the desirable methods of back slope in the heavy grading section of either solid rock, ledge rock, sand stone, shale or earth. The benching of the long shale or earth slopes should be given special consideration as to the number and location of benches particularly to the first bench if sight distance is involved. Where additional quantities of embankment material are needed, consideration should be given to secure this material by widening cuts or flattening cut slopes.

BUREAU OF LOCATION & RIGHT OF WAY OHIO DEPARTMENT OF HIGHWAYS	
SHOULDERS, SLOPES & DITCHES	DATE: 8-1-38 8-25-39 7-1-40
	STANDARD CONSTRUCTION DRAWING
E-5 NO. 2	APPROVED <i>gfd</i> CHIEF ENGINEER

SHOULDERS, SLOPES AND DITCHES

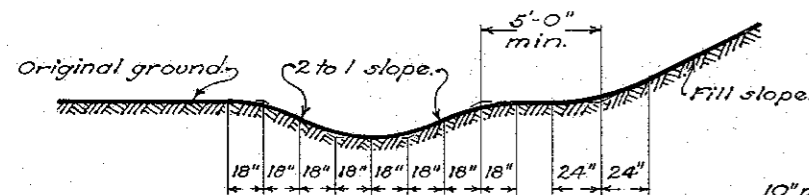
DETAIL OF INTERCEPTING DITCH



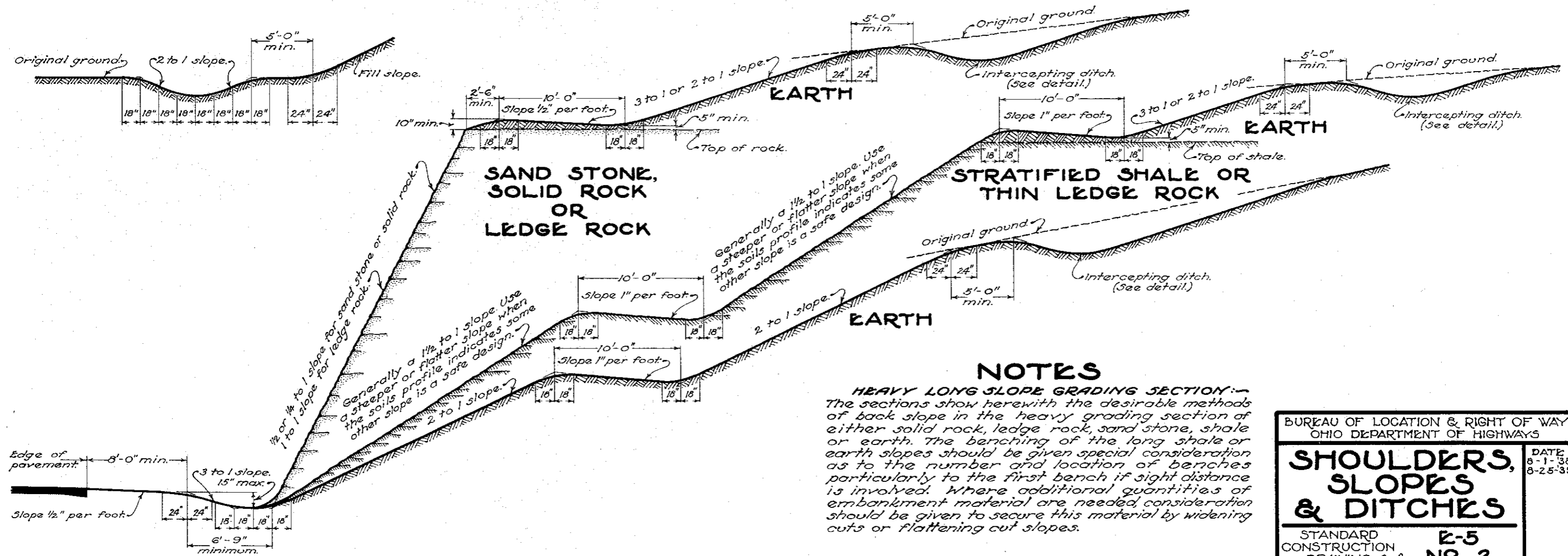
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DITCH AT TOP OF FILL SLOPE



HEAVY LONG SLOPE GRADING SECTIONS



NOTES

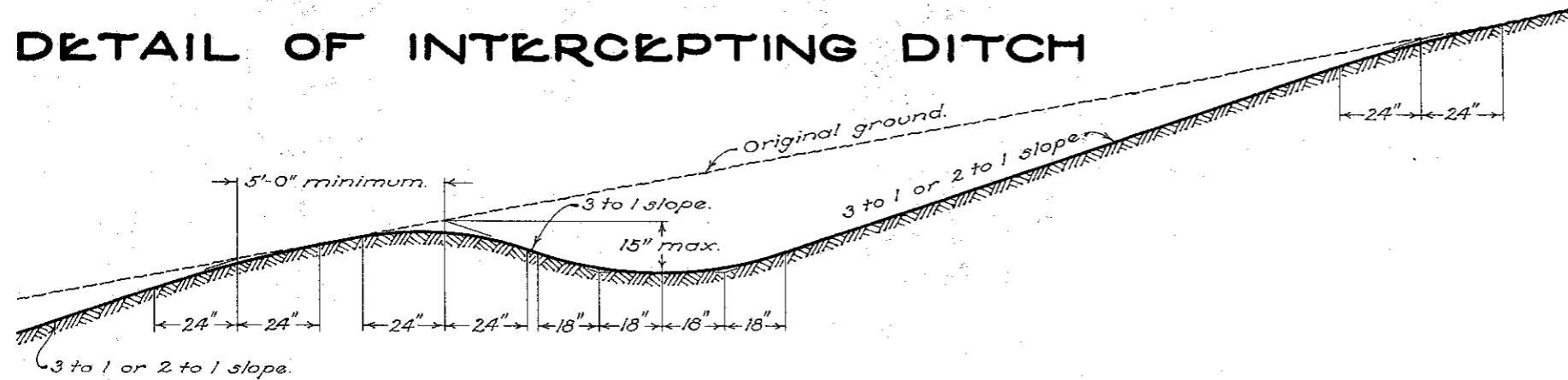
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BUREAU OF LOCATION & RIGHT OF WAY OHIO DEPARTMENT OF HIGHWAYS	
SHOULDERS, SLOPES & DITCHES	
STANDARD CONSTRUCTION DRAWING	E-5 No. 2
APPROVED <i>gfl</i>	CHIEF ENGINEER.

DATE:
8-1-38
8-25-39

SHOULDERS, SLOPES AND DITCHES

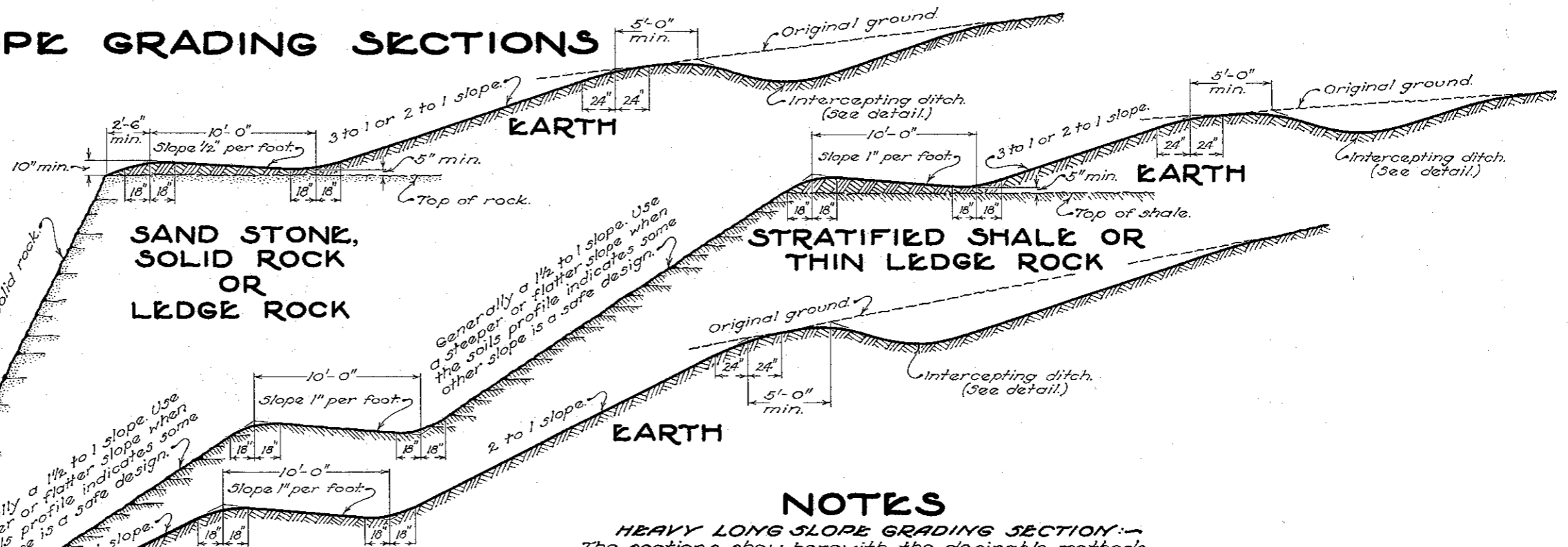
DETAIL OF INTERCEPTING DITCH



NOTES

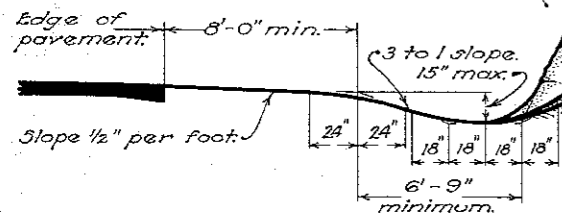
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HEAVY LONG SLOPE GRADING SECTIONS



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BUREAU OF LOCATION & DESIGN OHIO DEPARTMENT OF HIGHWAYS		8-1-38
SHOULDERS, SLOPES & DITCHES		
STANDARD CONSTRUCTION DRAWING	E-5 NO. 2	
APPROVED <i>K.L.P.</i> CHIEF ENGINEER		