Typical Sections in Rock

IN REPLY PLEASE REFER TO

Typical Sections in Rock: Roadway Excavation, Unclassified and Roadway Excavation, Rock

State of New Jersey

STATE HIGHWAY DEPARTMENT

DWIGHT R. G. PALMER, COMMISSIONER

TRENTON 25

March 11, 1960

MEMORANDUM

District Engineers and Assistant District Engineers, Survey and Plans:

On all future projects the neat lines for roadway excavation in rock shall also be the pay lines, whether roadway excavation is classified or unclassified.

In the roadway, shoulder, sidewalk and median areas, the contractor will be required to remove all rock to the neat line. Where rock is excavated below the neat line the contractor shall refill to the neat line with either subbase or selected material, as specified, in the roadway, shoulder and median areas, and shall refill sidewalk areas to the neat line with earth. The cost of all such refilling shall be included in the unit price bid for roadway excavation.

The slope lines shall be the lateral pay lines, but the contractor will be required to excavate the rock only to within 12 inches of the slope lines.

Attached hereto is a sketch showing typical sections in rock conforming to the above requirements.

Peter S. Jensen

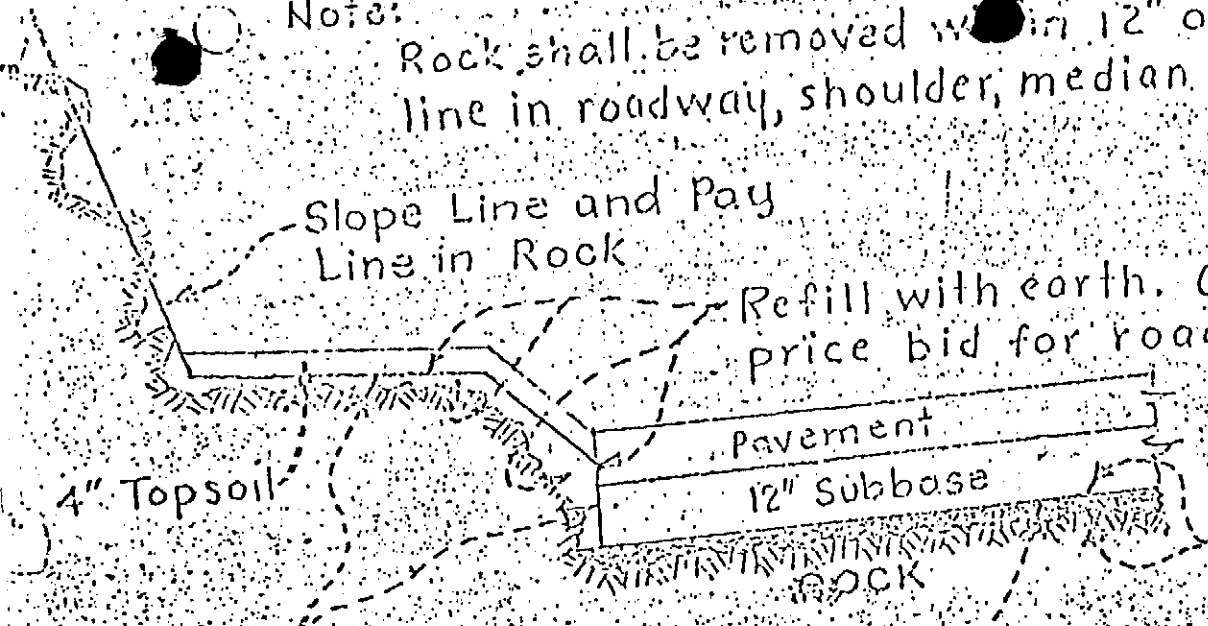
~~Peter S.~~ Jensen
Assistant Supervising Engineer
DESIGN AND COORDINATION

PSJ:mm

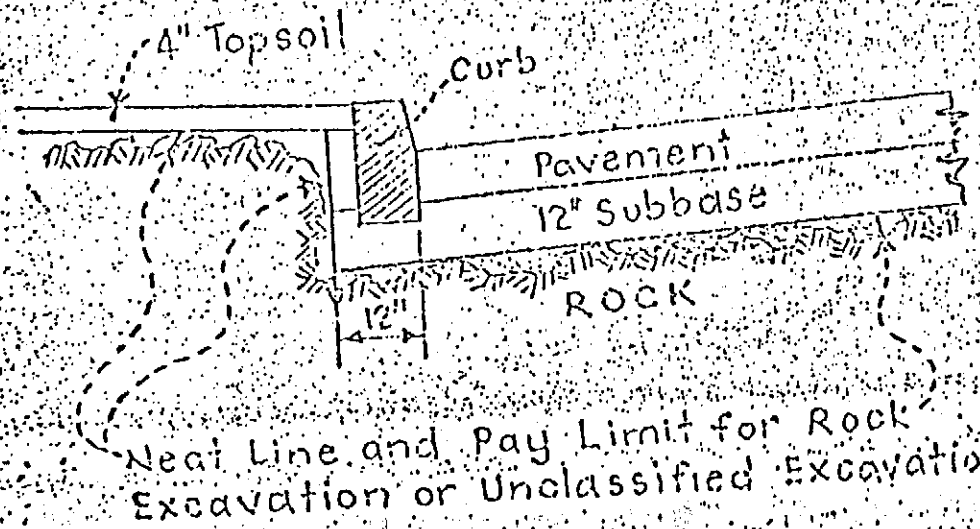
Att.

Cc: Messrs. Fritzsche, Giffin, Gerard, Rigby, Kersey, Ely, Rosser, Snedaker, Hancock, Madden

Note:
Rock shall be removed within 12" of Rock Slope Line, and neat line in roadway, shoulder, median and sidewalk areas.



Where rock is excavated below subbase subgrade, refill shall be made to subbase subgrade with Subbase or Selected Material, as specified. Cost of such refill shall be included in unit price bid for roadway excavation.



TYPICAL ROCK SECTIONS

Not to Scale
March 3, 1960

NEW JERSEY INTERAGENCY ENGINEERING
COMMITTEE - SOIL AGGREGATE
GRADATIONS

Sieve Size	Gradation Designations - Percentage by weight passing square mesh sieves												
	I-1	I-2	I-3	I-4	I-5	I-6	I-7	I-8	I-9	I-10	I-11	I-12	I-13
4"	100		100						100	100	100	100	100
2½"													
2"	70-100	100		100	100				80-100	80-100	80-100		
1"				60-100		100	100						
3/4"	50-95	65-100	60-100		70-100				60-100	60-100	60-100	70-100	
1/2"				40-100		80-100	80-100	100					
#4	30-60	40-75	30-100	25-100	30-80			95-100	40-100	40-100	40-100		30-100
#8				20-100		45-100	35-100						
#16				15-85		30-90	25-90	45-70	20-60	20-70			
#50	5-25	5-30	5-35	8-45	10-35	0-20	5-50	5-25	10-30	5-40	0-75	0-75	
#100						0-3	0-8		0-20	0-30			
#200	0-7	0-7	0-5	5-10	5-12		0-2	0-5	0-8	0-20	0-9	0-5	