

# *Southern Railway System*

*Operating Department  
Office of Superintendent  
Greensboro, N.C. 27401*

J. E. SIMS  
SUPERINTENDENT

November 19, 1976. Hg

400 S. ELM STREET  
(919) 272-0224

870-16-11

Mr. Claude P. Smith  
1500 Cary-Macedonia Road  
Raleigh, N. C. 27606

Dear Mr. Smith:

Reference letter dated October 18, 1976 addressed to you from Mr. W. A. Wilson, Jr., Head of Roadway Design, Department of Transportation, State of North Carolina, approving plans for a secondary road crossing (State Route 1430) to be located near our Mile Post CL-5 on the Camp LeJeune Railroad.

The plans have our approval.

Yours very truly,

*J. E. Sims*  
Superintendent





STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH 27611

JAMES E. HOLSHOUSER, JR.  
GOVERNOR

October 18, 1976

DIVISION OF HIGHWAYS

G. PERRY GREENE  
SECRETARY

Mr. Claude P. Smith  
1500 Cary-Macedonia Road  
Raleigh, North Carolina

Dear Mr. Smith:

We have reviewed your proposal for a railroad crossing over the Camp LeJeune Railroad in Onslow County. We understand that the crossing and the roadway proposed will connect SR 1414 and SR 1430. The Traffic Engineering Branch has informed us that signalization will not be required at the proposed crossing. However, we do have some recommendations with respect to the crossing. The typical section shown, consisting of a 20-foot pavement, 8-foot shoulders, 8 inches of stone, and 1½ inches of asphalt, meets the secondary road standards of the Division of Highways. But we recommend that all fills 0-feet to 5-feet have 6:1 slopes and those between 5 feet and 10 feet have 4:1 slopes. The maximum ditch front slope acceptable is 4:1 for 6 feet. The minimum design speed recommended is 40 mph. The attached sketch shows a recommended grade at the proposed crossing that will provide this design speed.

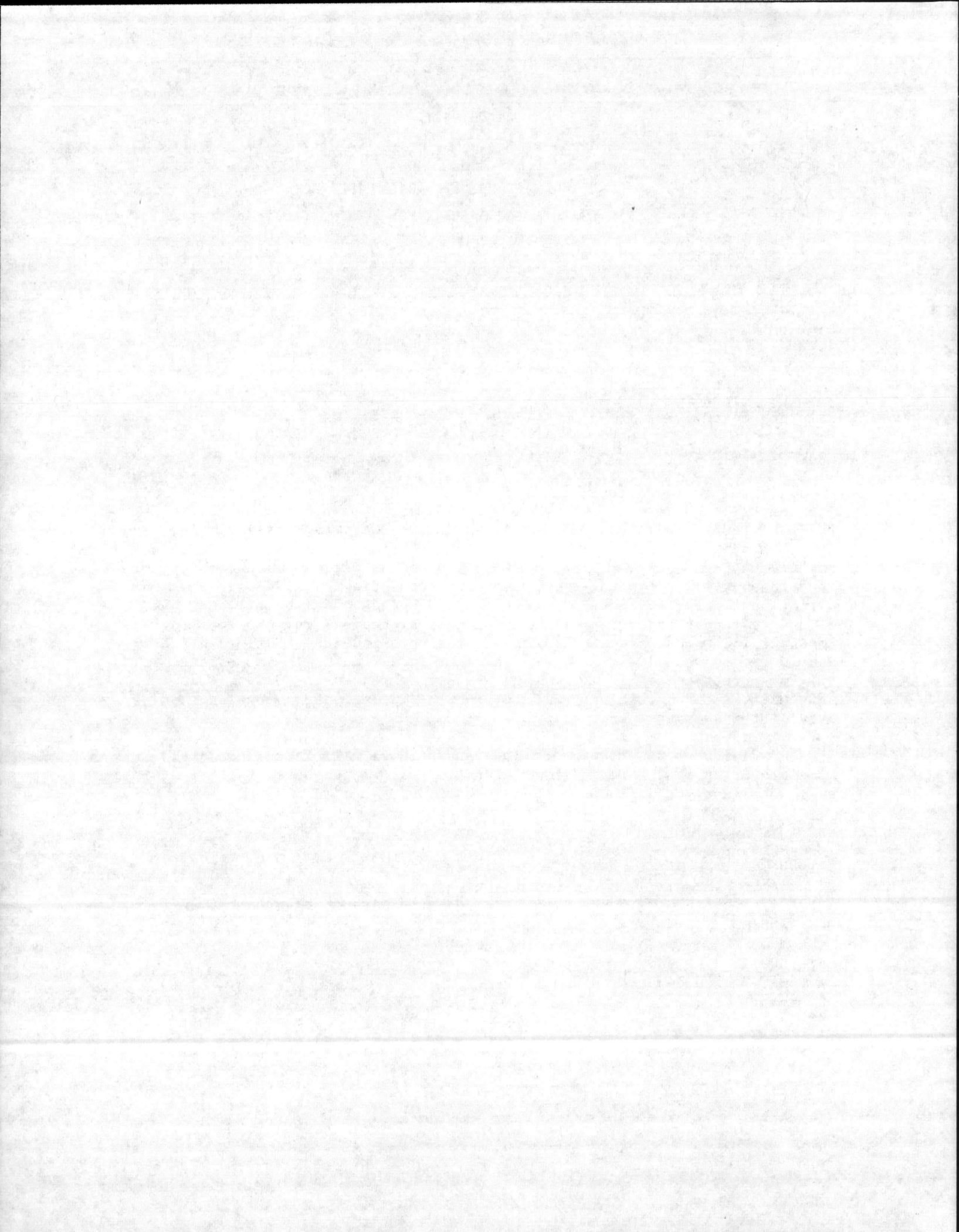
Provision of the recommendations shown above will meet secondary road standards of the Division of Highways. If we can be of further assistance to you, please let us know.

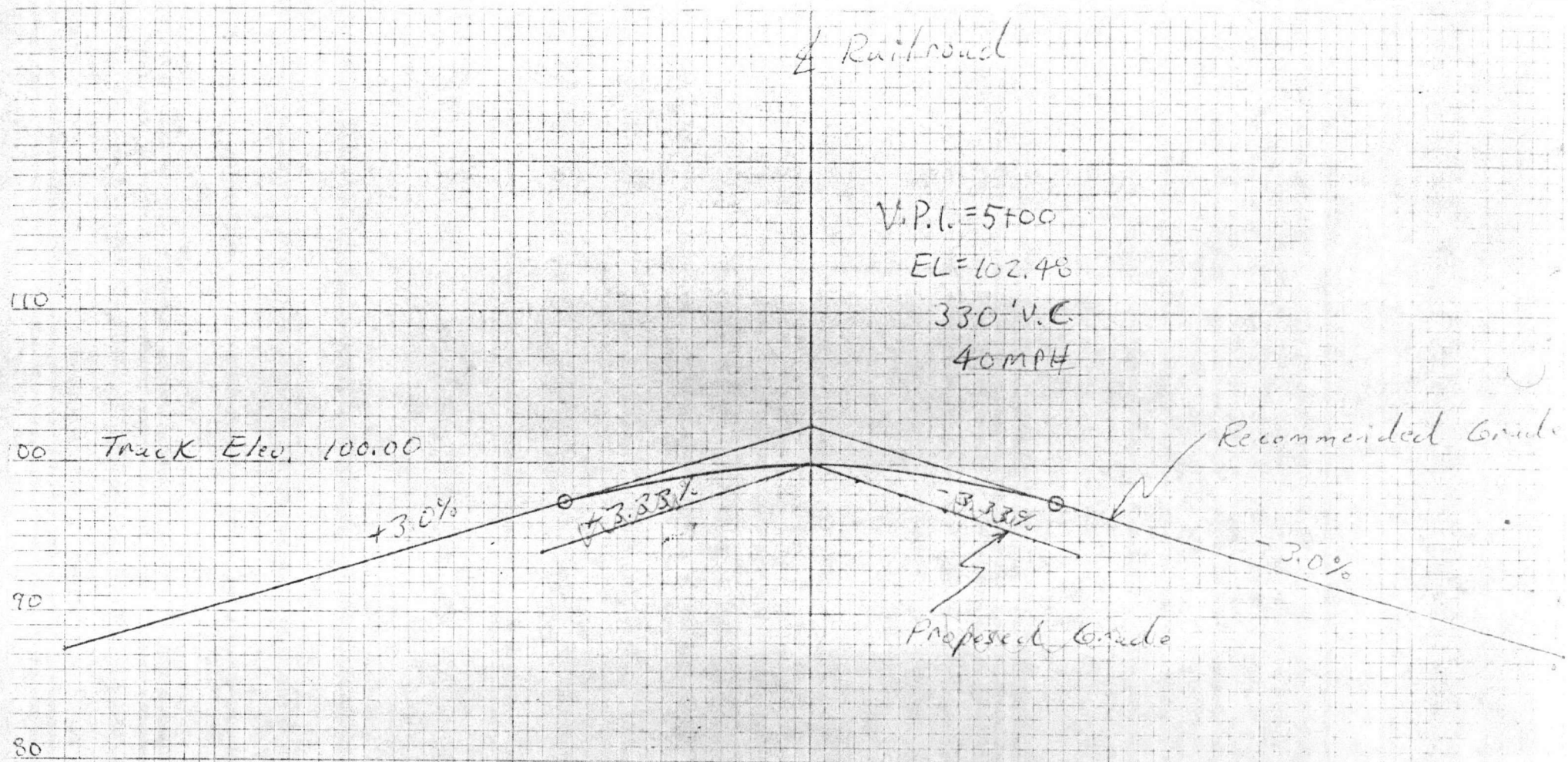
Sincerely,

W. A. Wilson, Jr.  
Head of Roadway Design

WAWjr/BB/mp

cc: Mr. H. C. Rhudy  
Mr. Ted Funderburk

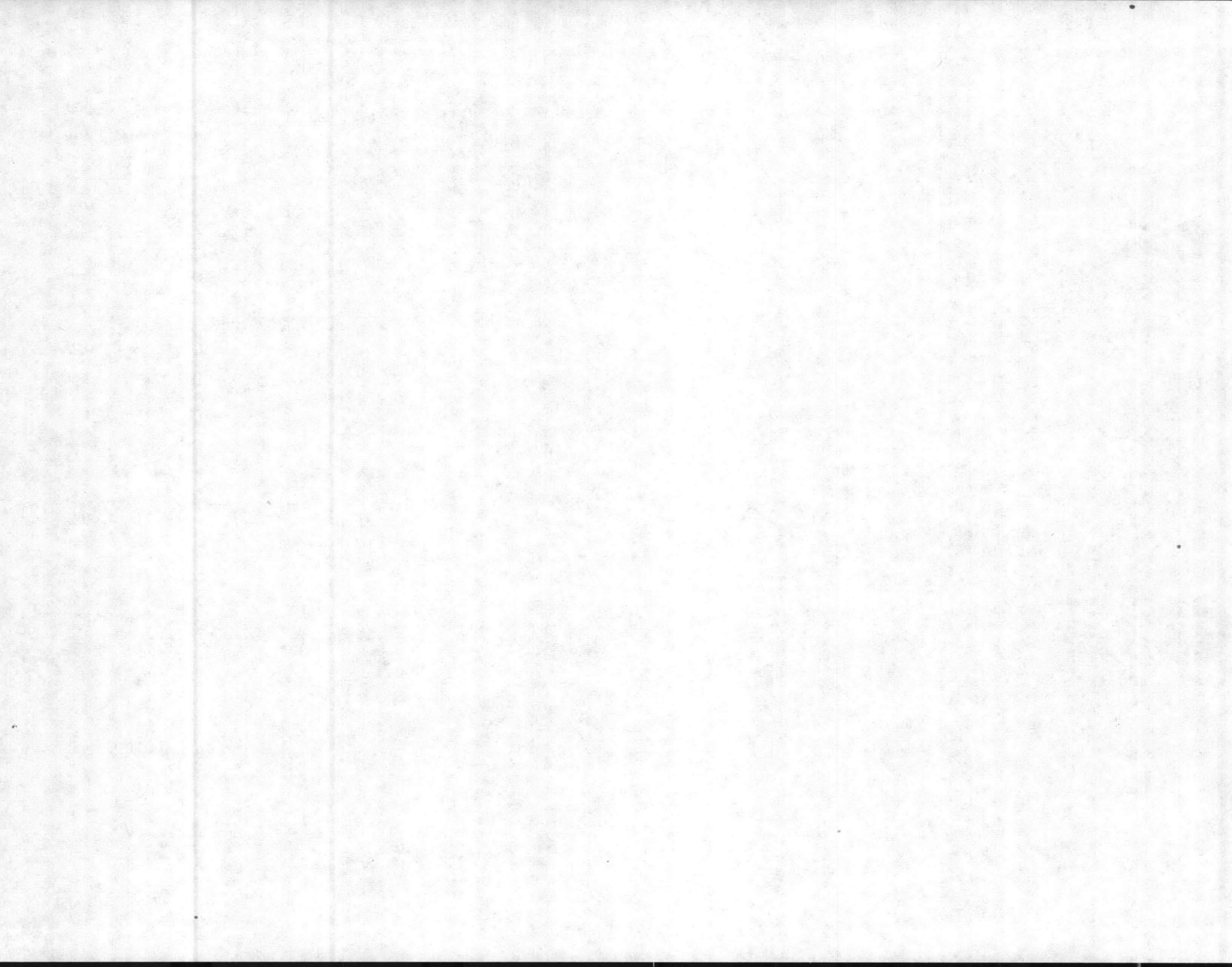




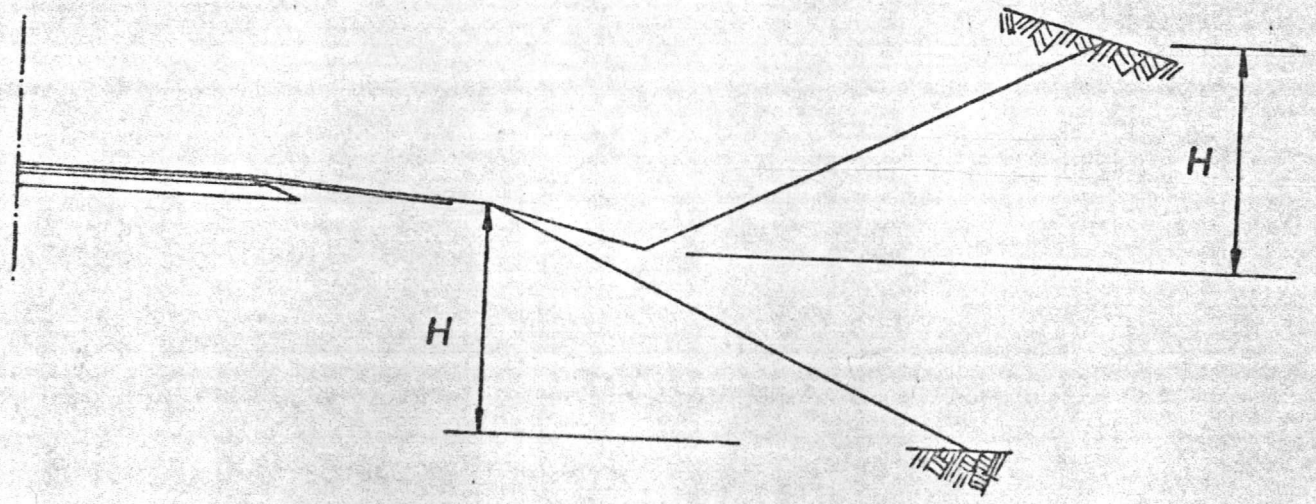
RECOMMENDED GRADE LINE FOR  
 PROPOSED RAILROAD CROSSING OVER  
 CAMP LEJEUNE RAILROAD (NOW LEASED BY SOUTHERN RAILROAD)  
 CLAUDE P. SMITH PROPERTY  
 JACKSONVILLE, N. C.

Scale: Horiz: 1" = 100'  
 Vert: 1" = 10'

0 1 2 3 4 5 6 7 8 9 10



# N.C. STANDARD SLOPES



## UNDER 2000 ADT DESIGN YEAR

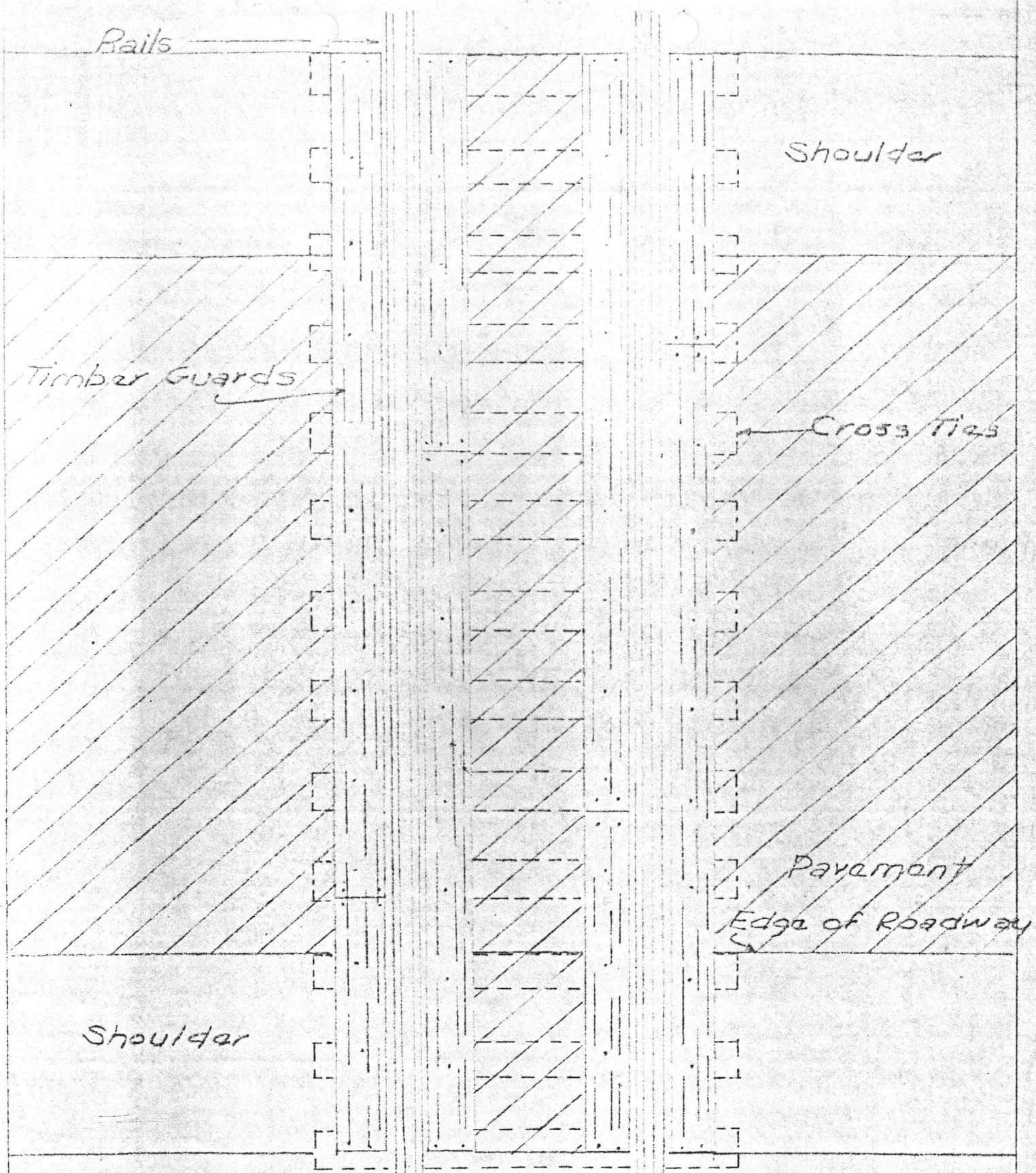
TERRAIN H	FLAT CUT & FILL		ROLLING CUT & FILL		STEEP CUT FILL	
	0' - 5'	6:1	6:1	6:1	6:1	4:1
5' - 10'	4:1	4:1	4:1	4:1	3:1	4:1
10' - 15'	3:1	3:1	3:1	3:1	2:1	2:1
15' - 25'	2:1	2:1	2:1	2:1	1 1/2:1	2:1
25' & Over	2:1	2:1	1 1/2:1	1 1/2:1	1 1/2:1	1 1/2:1

## OVER 2000 ADT DESIGN YEAR

TERRAIN H	FLAT		ROLLING		STEEP	
	CUT	FILL	CUT	FILL	CUT	FILL
0' - 5'	6:1	6:1	6:1	6:1	4:1	4:1 or 6:1
5' - 10'	4:1	4:1	4:1	4:1	3:1	3:1 or 4:1
10' - 15'	3:1	4:1	3:1	4:1	2:1	2:1
15' - 25'	2:1	2:1	2:1	2:1	1 1/2:1	2:1
25' - Over	2:1	2:1	1 1/2:1	2:1	1 1/2:1	1 1/2:1 or 2:1



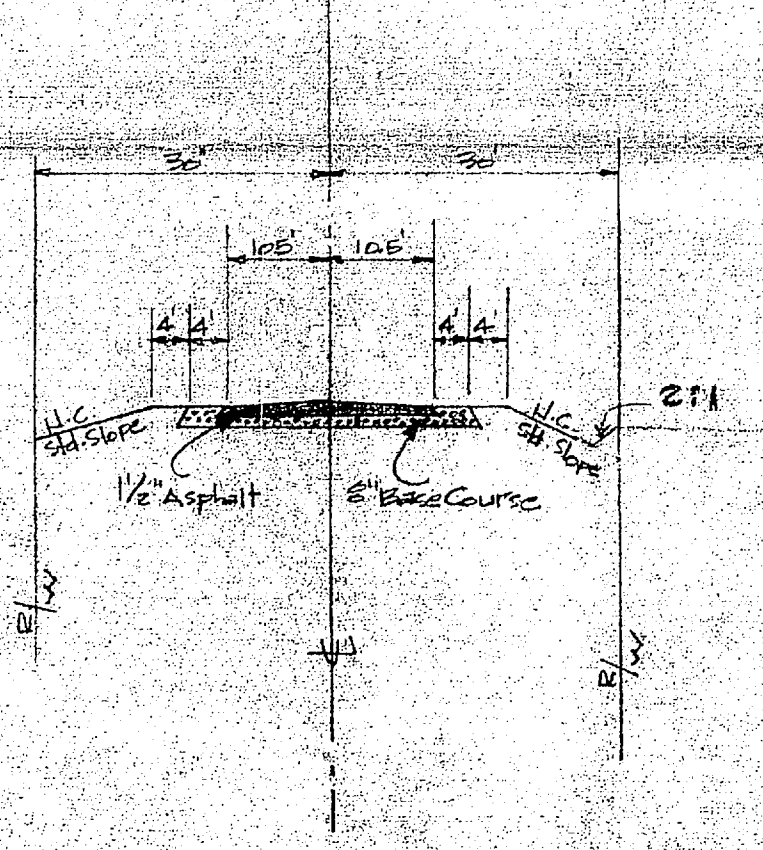
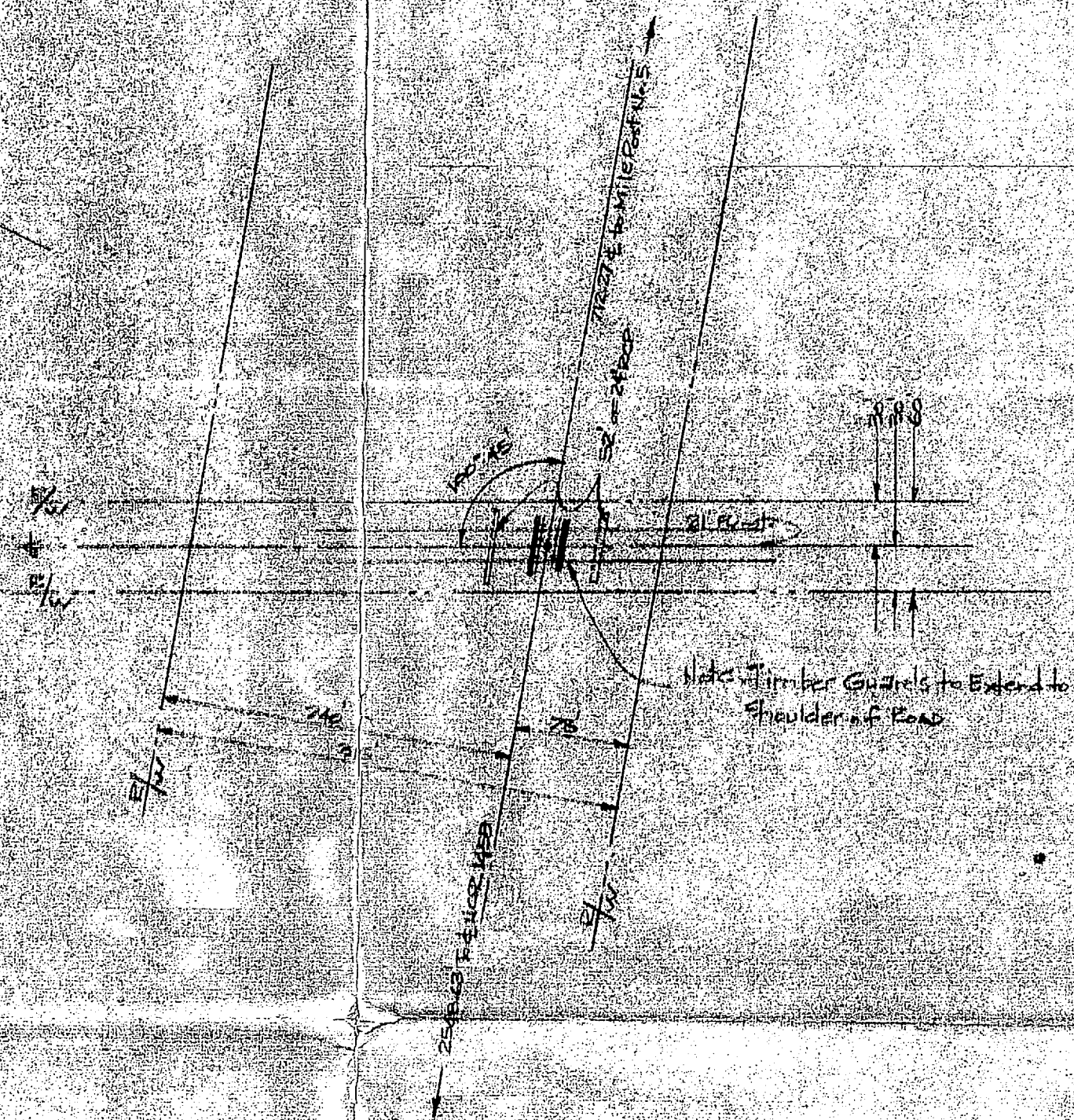




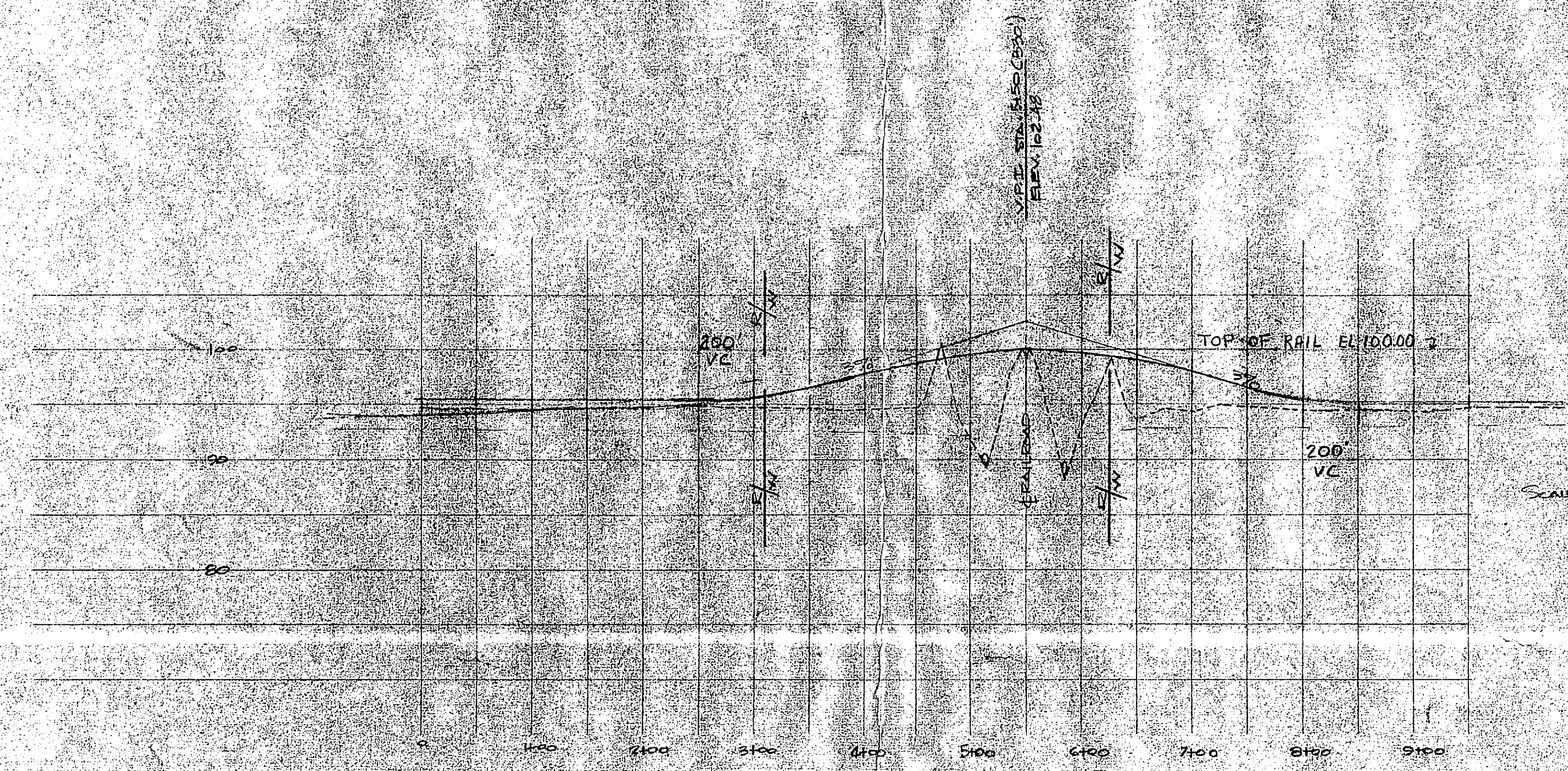
DETAIL OF GRADE CROSSING

SCALE 1" =





Typical Road Cross-Section



Note:  
 Refer to Map of Claude P. Smith Property by  
 Salmer & Mathis Dated 2-16-76  
 Deed Book 422 Pg. 437.

PROPOSED RAILROAD CROSSING OVER CAMP LEJEUNE RAILROAD		
SCALE	APPROVED BY	DRAWN BY
DATE		
CLAUDE P. SMITH		DRAWING NUMBER

