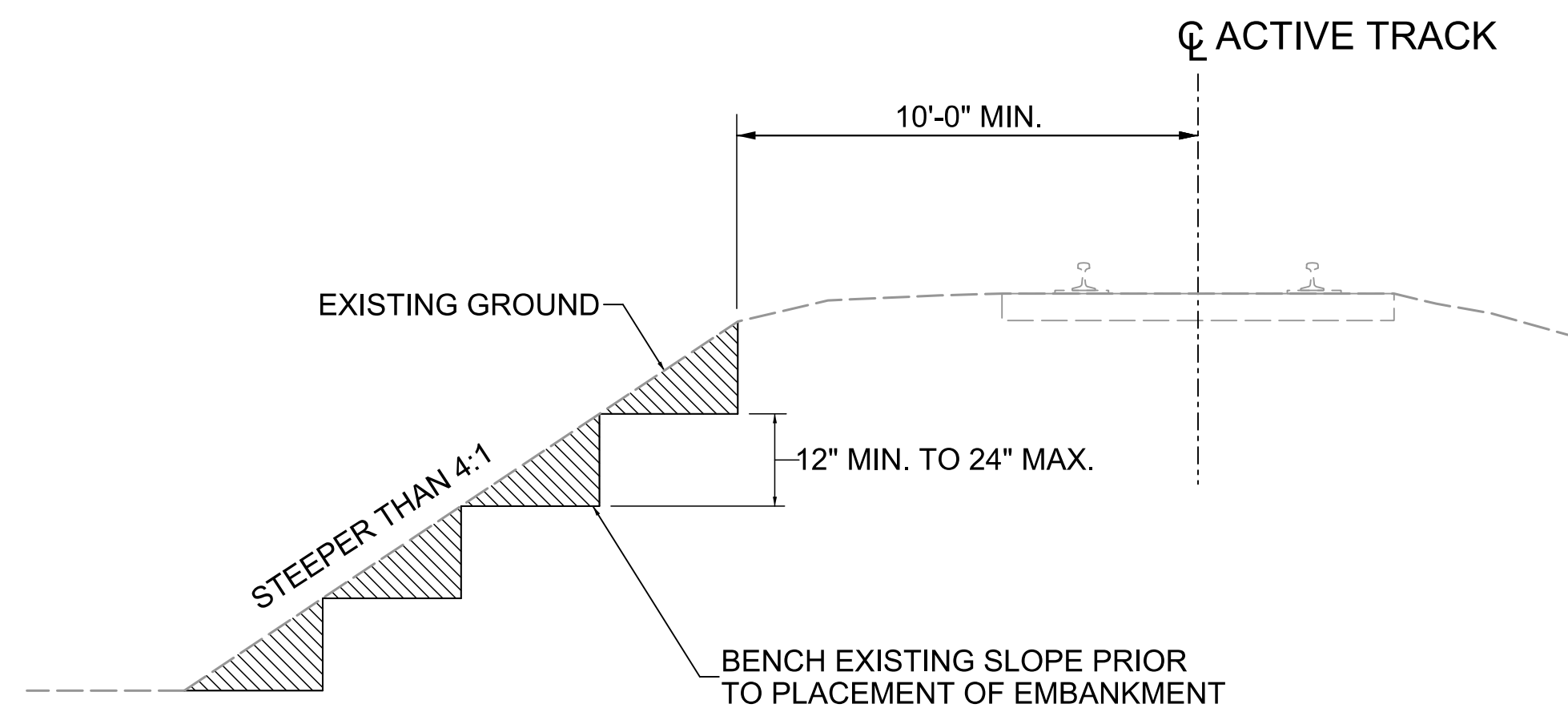
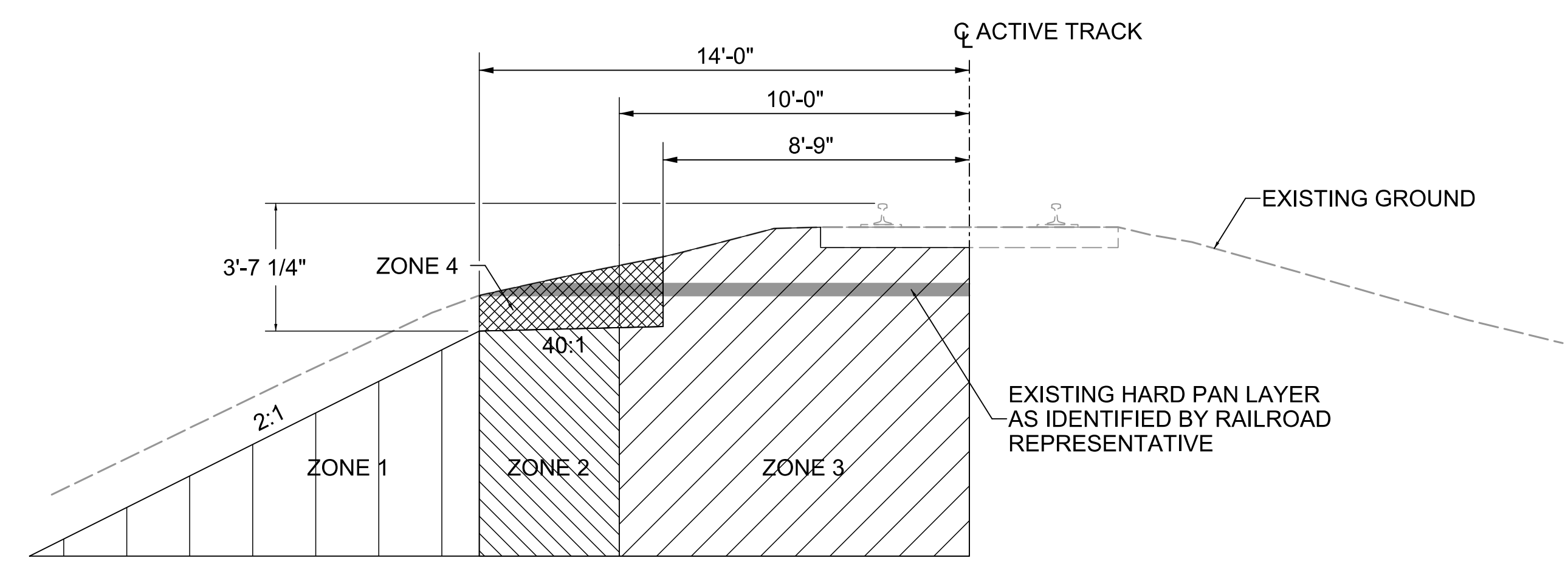


<b>HNTB</b> HNTB NORTH CAROLINA, P.C. 343 E. Six Forks Road, Suite 200 Raleigh, North Carolina 27609 NC License No: C-1554	PROJECT REFERENCE NO. P-5705BA	SHEET NO. 2S
	RW SHEET NO.	
DATE: MARCH 16, 2018		

# PARTIAL SECTION BENCHING DETAIL



# EXCAVATION ADJACENT TO ACTIVE TRACK



## EXCAVATION AND SHORING REQUIREMENTS

- ALL EXCAVATION ADJACENT TO ACTIVE TRACK MUST BE COORDINATED WITH THE RAILROAD REPRESENTATIVE PRIOR TO EXCAVATION. IF THE CONTRACTOR PROPOSES TO INSTALL SHORING WITHIN ZONE 1 OR ZONE 2 AS NOTED BELOW THAT IS NOT DETAILED IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL SUBMIT THE PROPOSED SHORING SYSTEM TO THE RAILROAD FOR APPROVAL PRIOR TO INSTALLATION.
- ZONE 1 - EXCAVATION WITHIN ZONE 1 WILL REQUIRE SHORING FOR THE PROTECTION OF THE RAILROAD EXCEPT WHEN LIMITS OF EXCAVATION COMPLY WITH THE SPECIAL PROVISIONS OR WHEN BENCHING AN EXISTING SLOPE THAT FALLS WITHIN ZONE 1.
  - ZONE 2 - EXCAVATION WITHIN ZONE 2 WILL REQUIRE SHORING FOR THE PROTECTION OF THE RAILROAD EXCEPT WHEN LIMITS OF EXCAVATION COMPLY WITH THE SPECIAL PROVISIONS OR BENCHING AN EXISTING SLOPE THAT FALLS WITHIN ZONE 2. CONTRACTOR DESIGNED SHORING SHALL CONSIST OF INTERLOCKING SHEETING.
  - ZONE 3 - NO EXCAVATIONS WILL BE ALLOWED IN ZONE 3 EXCEPT FOR WHERE SPECIFICALLY DETAILED IN THE PLANS.
  - ZONE 4 - EXCAVATION WITHIN ZONE 4 ABOVE THE HARD PAN LAYER IS PERMITTED. EXCAVATION THROUGH AND BELOW THE HARD PAN LAYER IS PERMITTED ONLY AFTER THE RAILROAD REPRESENTATIVE DETERMINES IT NECESSARY TO PENETRATE THE HARD PAN LAYER. EXCAVATION THROUGH AND BELOW THE HARD PAN LAYER SHALL BE PERFORMED PER SPECIAL PROVISION.