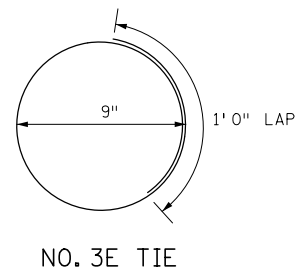
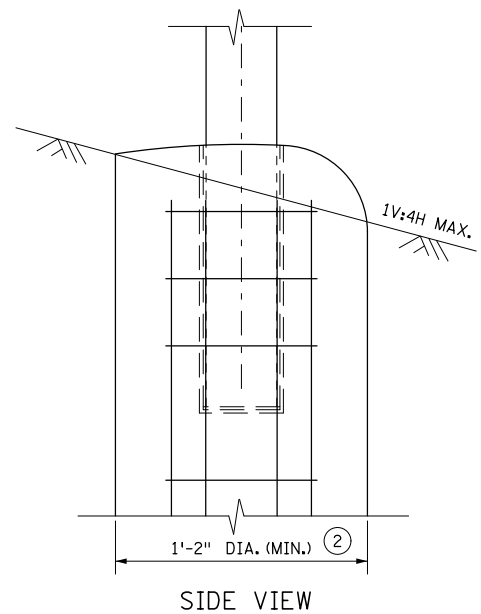
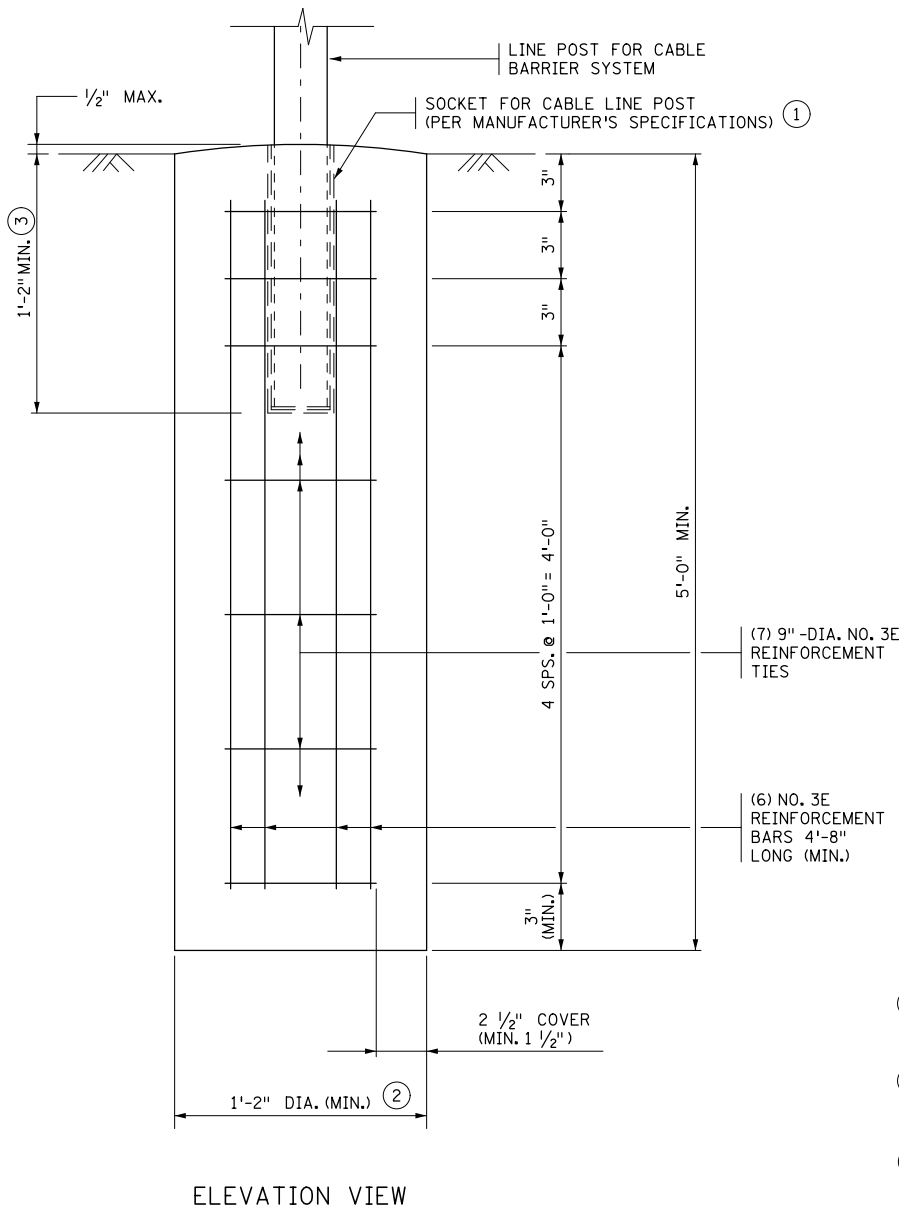
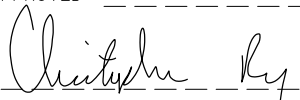


**DESIGN DATA**  
 COMPLY WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION, WITH 2015 INTERIMS.  
 DESIGN FORCE: MAX PLASTIC MOMENT = 9000 ft-lb  
 MATERIAL DESIGN PROPERTIES:  
 REINFORCED CONCRETE:  
 $f'_c = 4 \text{ ksi}$      $n = 8$   
 $F_y = 60 \text{ ksi}$     FOR REINFORCEMENT  
 NO. 3E REINF. BARS 4'-8" LONG (MIN.) (6 REQ'D)  
 NO. 3E REINFORCEMENT TIES (7 REQ'D)  
 MINIMUM SOIL PROPERTIES:  
 COARSE GRAINED SOIL:  $\phi = 30^\circ$   
 FINE GRAINED SOIL:  $C = 1000 \text{ lb/SQ.FT.}$   
 CONCRETE MIX NO. 3G52  
 ALL REINFORCEMENT BARS SHALL BE EPOXY COATED IN ACCORDANCE WITH MnDOT SPEC. 3301.



- ① EMBED THE POST SOCKET WITHIN THE REBAR CAGE WITHIN 1" OF THE CENTER OF THE CONCRETE FOUNDATION.
- ② PROVIDE PROTECTION TO THE HOLE FROM CAVE-IN OR COLLAPSE, IF NECESSARY, WITH PERMANENT OR TEMPORARY CASING OR FORMING.
- ③ DEPTH AS PER MANUFACTURER'S SPECIFICATIONS BASED ON THE SOCKET DEPTH SET UP IN THE FHWA APPROVED CRASH TESTED HTCB SYSTEMS MEETING NCHRP 350 OR MASH REQUIREMENTS.

APPROVED AUGUST 19, 2015  
  
 STATE DESIGN ENGINEER

STATE OF MINNESOTA  
 DEPARTMENT OF TRANSPORTATION  
**HIGH-TENSION CABLE BARRIER  
 LINE POST FOUNDATION**  
 CONCRETE DESIGN

SPECIFICATION  
 REFERENCE  
 2554

STANDARD  
 PLATE  
 NO.  
**8342B**