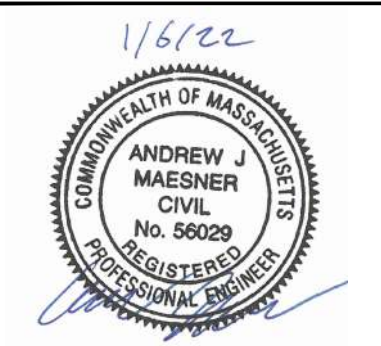
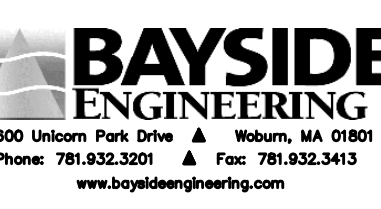
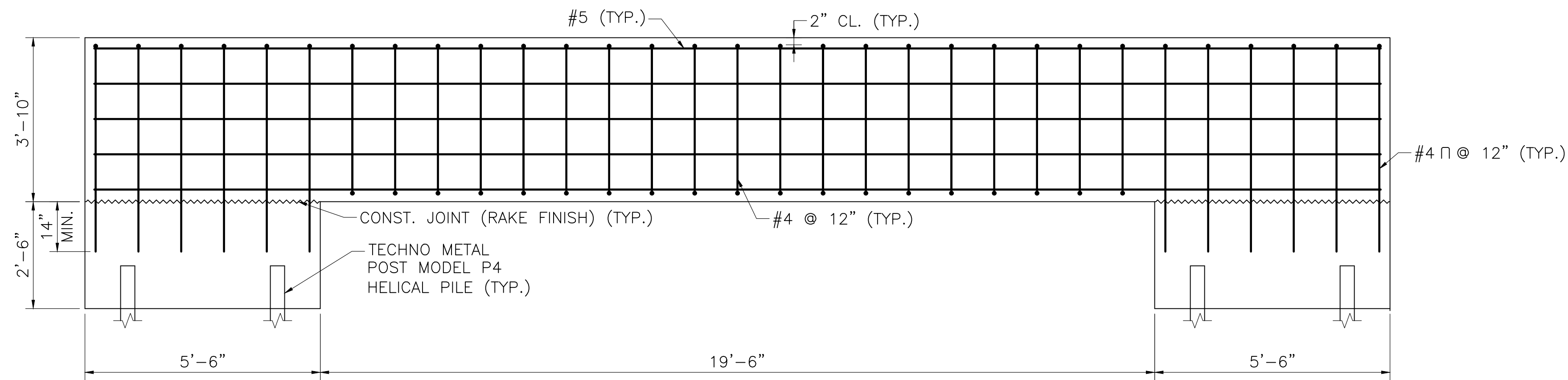


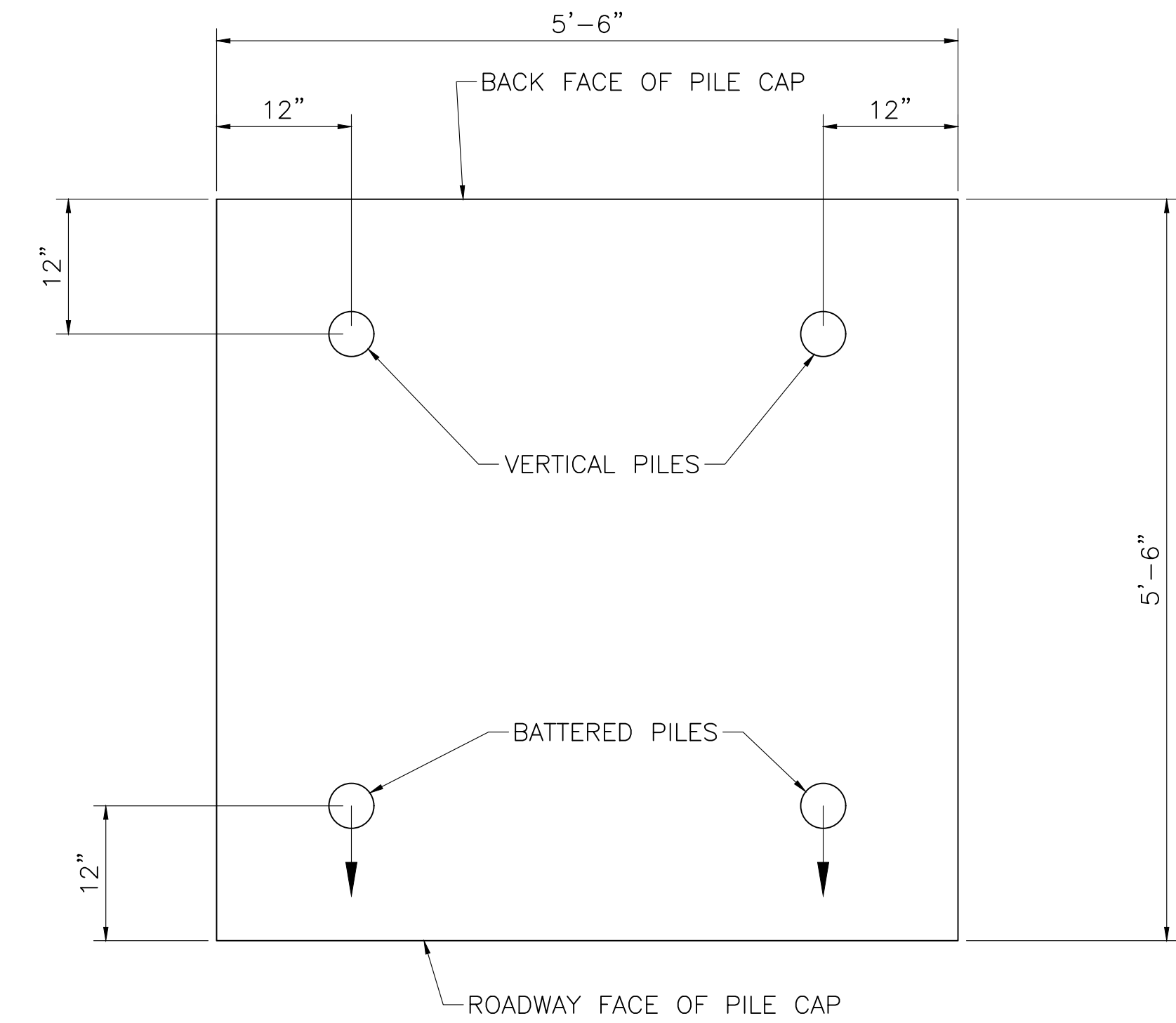
RAILING PLAN
SCALE: 1" = 5'

- NOTES:
1. ALL CONCRETE SHALL BE MASSDOT STANDARD 5000 PSI, 3/4 IN. 685 HP CEMENT CONCRETE.
 2. REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 31 GRADE 60.
 3. ALL REINFORCEMENT SHALL BE COATED.
 4. PILE CAPACITIES SHALL BE VERIFIED IN FIELD BY PILE TEST BY TECHNO METAL POST.
 5. TIMBER POSTS SPACED AT 1'-6 3/4". SEE MASSDOT CONSTRUCTION STANDARDS DRAWING 400.3.6 FOR DETAILS.
 6. SEE THREADED INSERTS DETAIL ON SHEET 2 AND MASSDOT CONSTRUCTION STANDARDS DRAWINGS 400.3.6 AND 400.3.7 FOR THRIE BEAM TERMINAL CONNECTOR DETAILS.

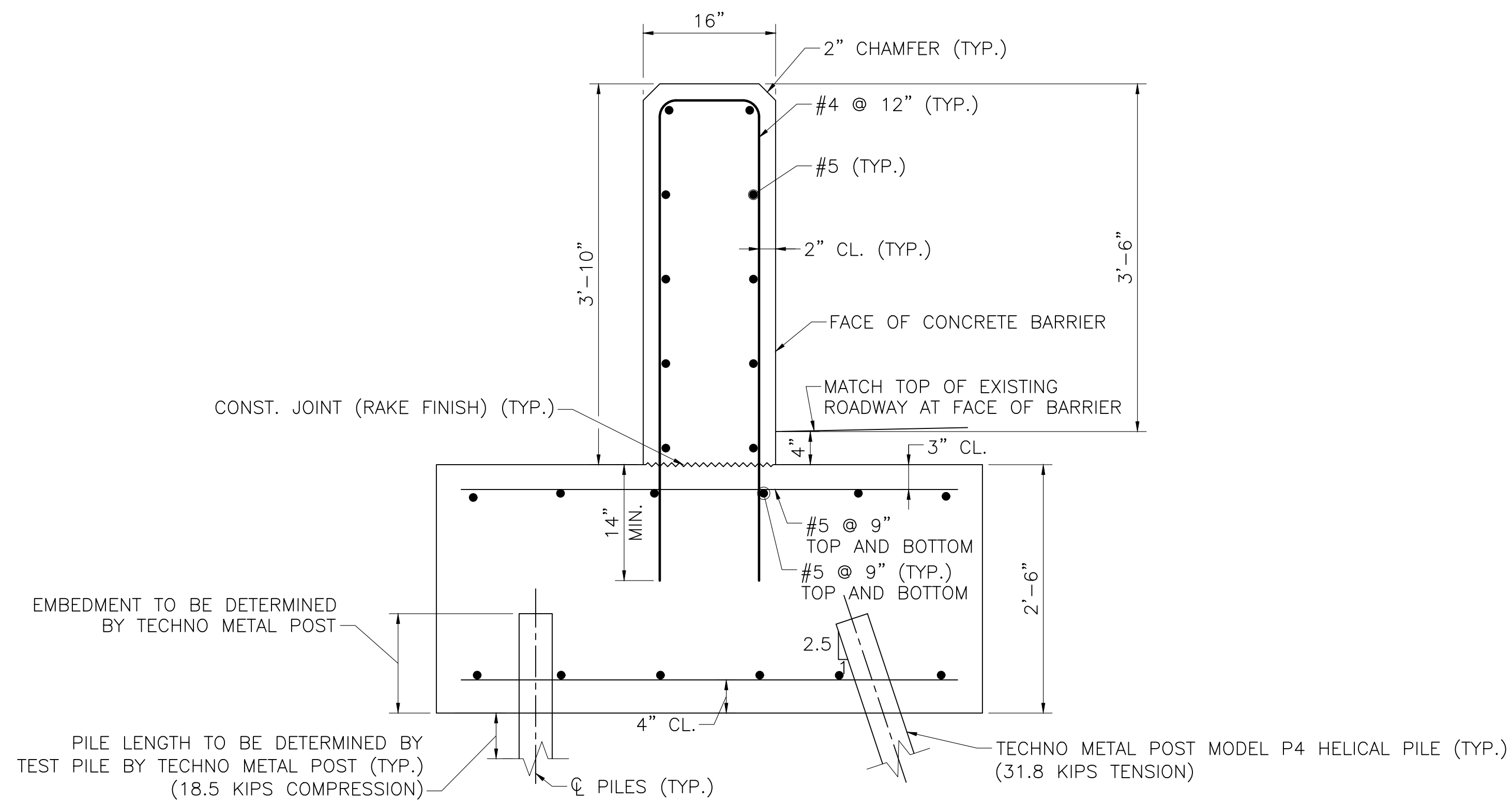
	ISSUED FOR CONSTRUCTION
	<p align="center">BRIDGE RAILING REPLACEMENT NEWBURY</p> <p align="center">MAIN STREET OVER PARKER RIVER BYPASS</p> <p align="center">TOWN OF NEWBURY DEPARTMENT OF PUBLIC WORKS 197 HIGH ROAD NEWBURY, MASS</p>
 <p>BAYSIDE ENGINEERING 600 Union Park Drive • Woburn, MA 01801 Phone: 781.832.3201 • Fax: 781.832.3413 www.baysideengineering.com</p>	



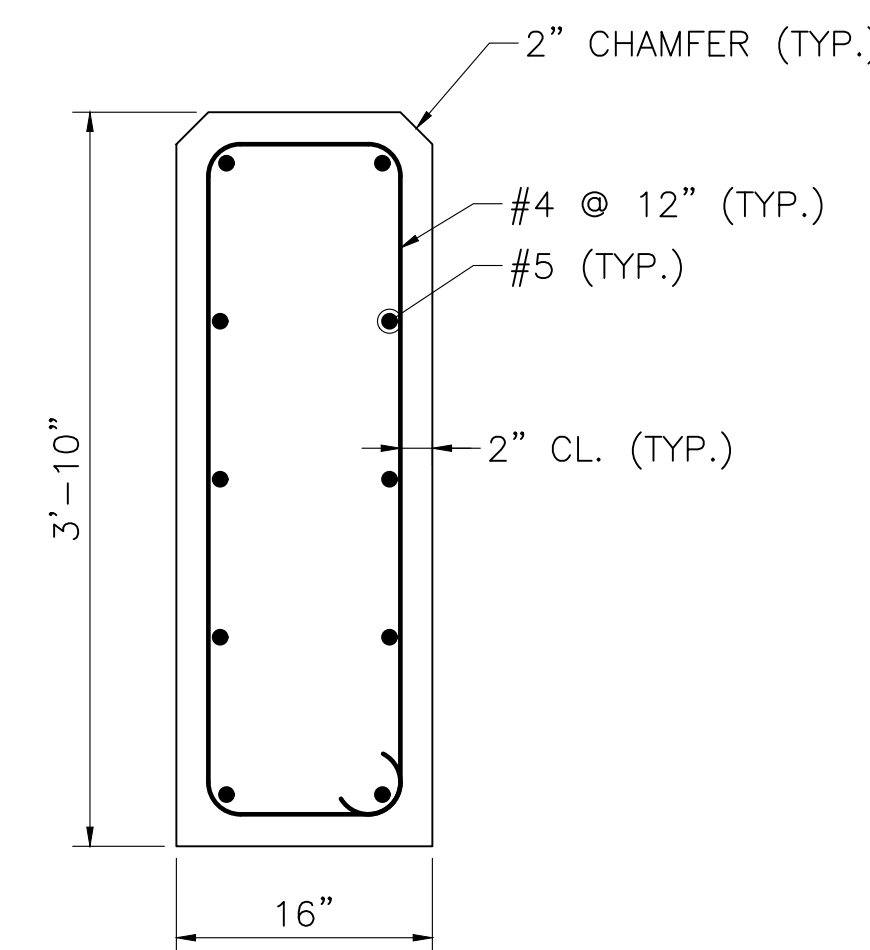
BARRIER REBAR PATTERN
SCALE: $\frac{1}{2}$ " = 1'-0"



PILE LAYOUT
SCALE: 1" = 1'-0"

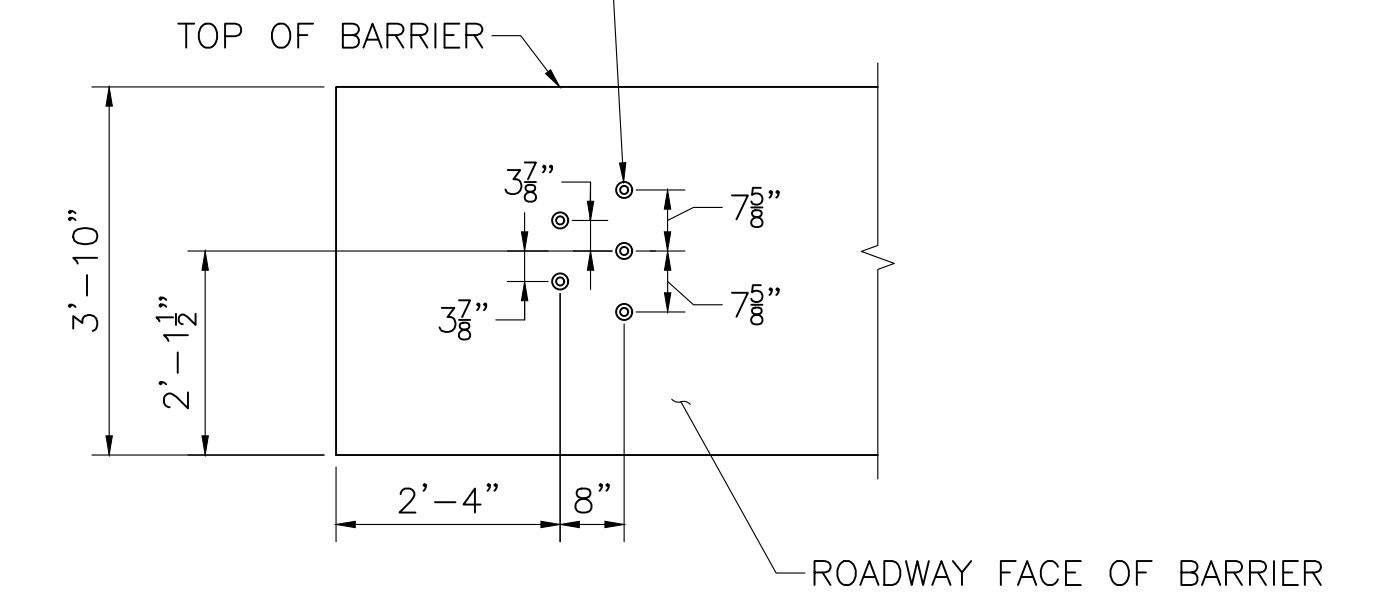


BARRIER END SECTION
SCALE: 1" = 1'-0"



BARRIER MIDSPAN SECTION
SCALE: 1" = 1'-0"

THREADED INSERT WITH $\frac{7}{8}$ " ϕ S.S. BOLT (TYP.)
(SEE NOTE 1)



NOTES:

1. THREADED INSERTS SHALL BE PREQUALIFIED BY THE MANUFACTURER AS BEING CAPABLE OF DEVELOPING A NOMINAL SHEAR RESISTANCE OF 20 KIPS PER $\frac{7}{8}$ " ϕ S.S. BOLT. S.S. BOLTS SHALL BE $\frac{7}{8}$ " ϕ X $1\frac{1}{2}$ " LONG FULLY THREADED AISI TYPE 304N STAINLESS STEEL. INSERTS FOR $\frac{7}{8}$ " ϕ S.S. BOLTS SHALL BE GALVANIZED AND CAST INTO THE BARRIER.
2. CONCRETE BARRIER SHALL BE FORMED TO ACCEPT TERMINAL CONNECTOR BY FORMING A RECESSED POCKET (APPROX. 2'-6" L X 1'-8" H X 3.5" DEEP) SO THAT THE FACE OF THRE BEAM GUARDRAIL AND FACE OF CONCRETE BARRIER ARE IN-LINE AS SHOWN ON THE PLAN.

THREADED INSERTS DETAIL
SCALE: $\frac{1}{2}$ " = 1'-0"