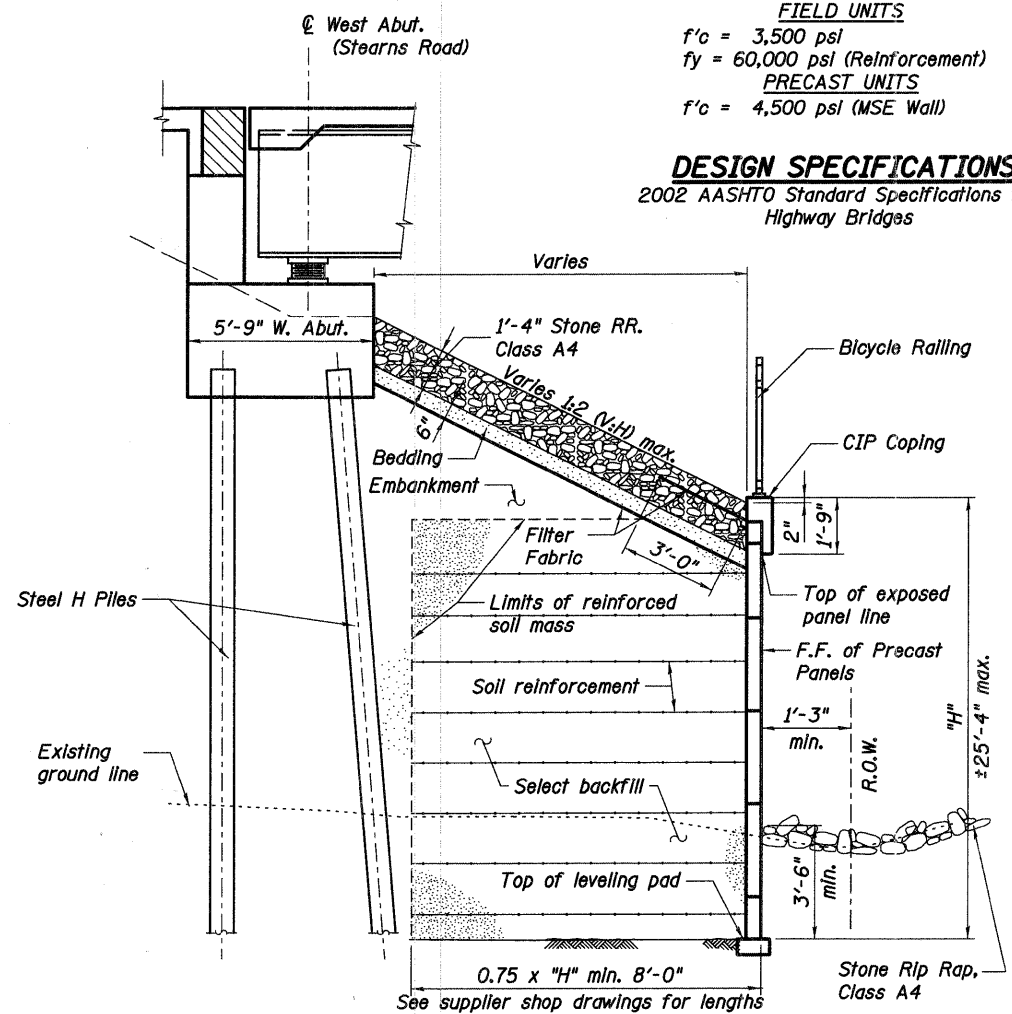
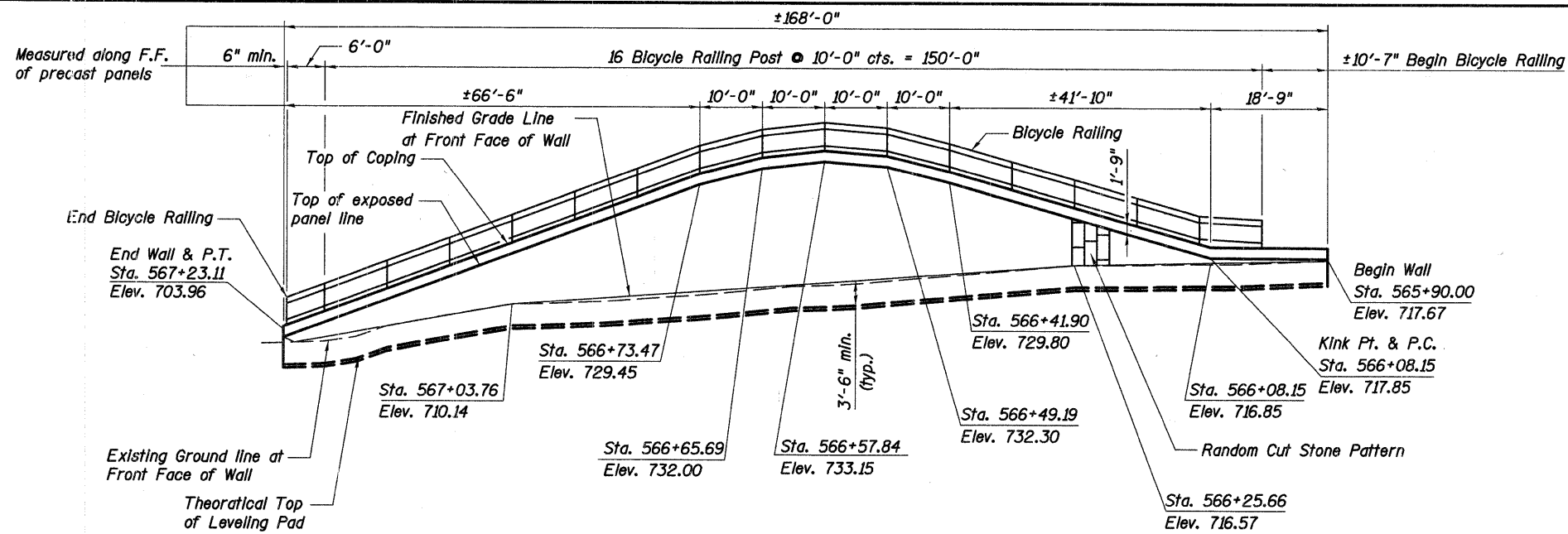


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-20-BR	KANE	320	161
STA. 511+80.00		TO STA. 609+14.92		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		
SHEET NO. S56 OF S108				

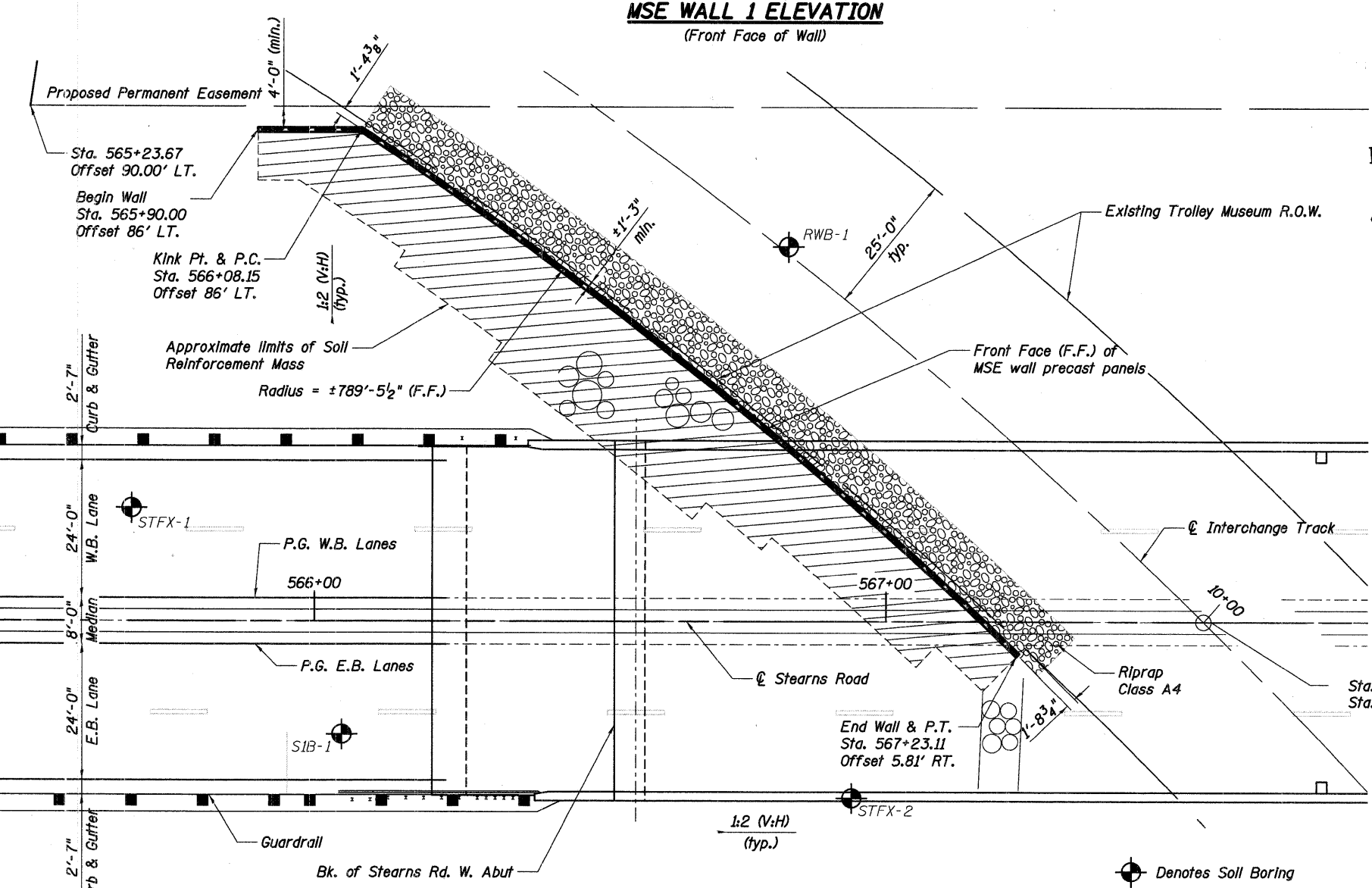
DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
PRECAST UNITS
 $f'_c = 4,500$ psi (MSE Wall)

DESIGN SPECIFICATIONS
 2002 AASHTO Standard Specifications for Highway Bridges



- Notes:**
1. Stagger or skew soil reinforcement straps to avoid west abutment HP piles where required. Use corrugated metal pipe (CMP) pile spacers around the piles that extend through the reinforced soil mass. The CMP pile spacers allow the piles to be driven after Wall 1 has been constructed.
 2. The reinforcement length $0.75*H$ considers a dense gravelly sand at the base of the wall. If different soils are encountered either these soils shall be removed and replaced with dense gravelly sand or the length of the soil reinforcement shall be increased to a value greater than $0.75*H$. Cost for any increase in the length of soil reinforcement or removal and replacement of soils due to a dense gravelly sand not being present at the base of the wall for sliding stability shall be included with "Mechanically Stabilized Earth Retaining Wall."
 3. See "Form Liners" special provision for pattern, coloration and workmanship for the Random Cut Stone Pattern. Extend formliner treatment from the top of exposed panel line to 1' below finished grade line at front face of wall. Cost shall be included in Form Liner Textured Surface.
 4. See sheet S57 of S108 for Bicycle Railing details.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
MSE WALL 1
GENERAL PLAN AND ELEVATION

STEARNS ROAD
 OVER THE FOX RIVER
 STRUCTURE NUMBER 045-3166
 PUBLIC WATERS

KANE COUNTY
 STATION 571+42.96
 DATE: JANUARY 16, 2009

FAP 361 SECTION 06-00214-20-BR
 DESIGNED: DFM
 DRAWN: DFM
 CHECKED: KPZ



H:\3005\3.0 phase II deliverables\3.3 structure\drawings\Final\045-3166 MSE Wall.dgn
 2/9/2009