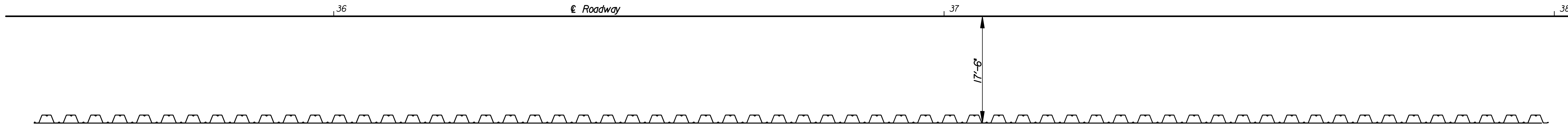
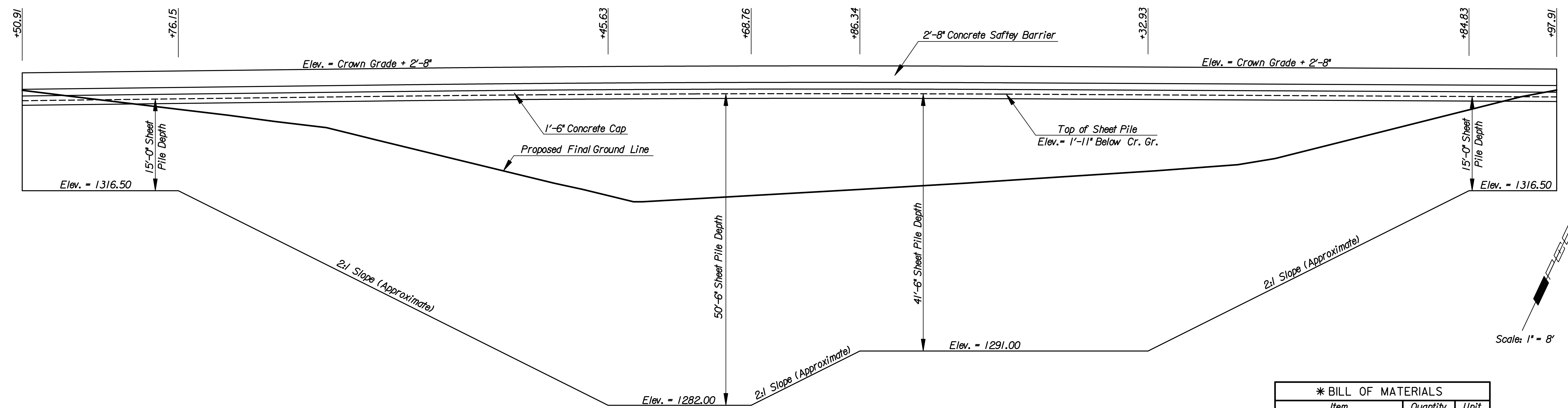


Railroad Right of Way
17' to E Roadway



PLAN



ELEVATION

GENERAL NOTES

UNIT STRESSES:
Concrete $F'_c = 4,000$ p.s.i.
Reinforcing Steel $F_y = 60,000$ p.s.i.
Structural Steel $F_y = 50,000$ p.s.i.

JOINTS: Expansion and Construction Joints shall only be formed at locations shown or as approved by the Engineer

EXCAVATION: All excavation and backfill shall extend 2 feet beyond the limits of the retaining wall and footings.

CONFLICT: If the plan notes conflict with the General Notes from this sheet, then these General Notes will govern.

CONCRETE: Minimum 28 day compressive strength will 4,000 psi and will be air entrained. Bevel all exposed edges with a $\frac{3}{4}$ inch triangular moulding.

REINFORCING: All reinforcing shall conform to ASTM A615, Grade 60. All dimensions relative to reinforcing steel shall be to centerline of bar unless otherwise noted. All horizontal and end clearances will be 2" unless otherwise noted.

RAILROAD PROTECTION: All excavation and grading MUST be within the ROW limits. Temporary shoring must be provided by the contractor, if necessary, to ensure that there is not any encroachment onto the Railroad ROW.

PAYMENT: The Sheet Pile Retaining Wall is to be Considered Alternate #1 and shall be bid as Lump Sum and shall include all labor, material, excavation, concrete, reinforcing steel, sheet pile driving, sheet pile, construction staking, and any other incidentals necessary to complete the work for the Sheet Pile Retaining Wall including the Concrete Barrier, Concrete Cap, Transition Barrier, and Site Grading. Quantities are shown for information only.

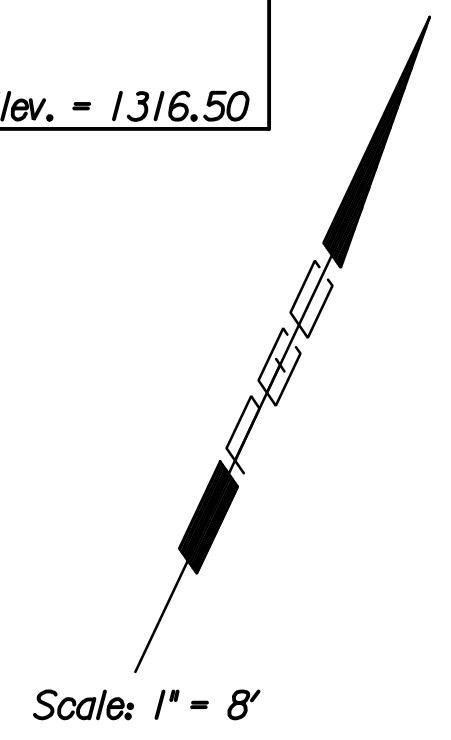
SHEET PILING: PZ 35 or AZ 25 Sheet piling shall be provided for the retaining wall. The sheet pile material shall conform to ASTM A 572 Grade 50 steel. The retaining wall shall have a 1':12' batter. Length of pile shall be marked at 5'-0" increments with 1'-0" tick marks to help determine embedment length. Field cut the top of the sheet piling to conform to the vertical profile as depicted in the plans.

T-WALL CONSTRUCTION: A T-Wall construction option shall be considered as alternate #2. For details see sheets 24, 25 and A-1 to A-4. This alternate will be bid Lump Sum including all items necessary to complete the construction as described in the plans. Any Quantities shown are for information only.

CONSTRUCTION STAKING: All staking required to construct the Retaining Wall shall be done by the Contractor and be included into the Retaining Wall Lump Sum Bid Item.

* BILL OF MATERIALS		
Item	Quantity	Unit
Concrete (Grade 4.0)	103.1	C.Y.
Reinforcing Steel	18,025	Lbs.
Expansion Joint Material	250	L.F.
PVC Water Stop (6"XSplit)	250	L.F.
Sheet Pile	8,230	S.F.

*For Information Only



Plotted By: \$\$\$USERNAME\$\$\$ Plotted: \$\$\$SYTIME\$\$\$
File: \$\$\$GNSPEC\$\$\$

No.	Revision	By	Date
HEARTLAND PREPAREDNESS CENTER PAVING AND DRAINAGE IMPROVEMENTS GENERAL NOTES AND LAYOUT JAMES L. ARMOUR, P.E. - CITY ENGINEER CITY OF WICHITA PROJ. NO. 472-84898 Professional Engineering Consultants, P.A. 303 S. TOPEKA • WICHITA, KANSAS 67202 316-262-2691 • FAX 316-262-3003			
Designed by	RJM	Job No.	35-09307
Drawn by	RJM	Date	December 2009
			Sheet 21 of 59