

GENERAL NOTES:

1. All exposed concrete edges shall have a $\frac{3}{4}$ " x 45° chamfer, Except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.
2. Reinforcement bars, including epoxy-coated reinforcement bars, shall conform to the requirements of ASTM A706, Grade 60 (Special Provision).
3. Reinforcement bars designated "(E)" shall be epoxy coated.
4. Bars noted thus, 3 x 2-#5 indicated 3 lines of bars with 2 lengths of bars per line.
5. Cover from the face of concrete to face of reinforcement shall be 3" for surfaces formed against earth and 2" for all other surfaces unless otherwise shown.
6. No construction joints except those shown on the plans will be allowed unless approved by the engineer. All construction joints shall be bonded.
7. For backfilling and embankment see article 206.4 of standard specifications.
8. The contractor shall use care when excavating around existing foundations. Any damage to the existing structure shall be repaired or replaced at the contractors' expense.
9. Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work; however, the contractor will be paid for the quantity actually furnished at the unit price for the work.
10. Existing headwall reinforcement shall be cleaned and incorporated into new construction. Cost included w/Concrete Removal. Any damage shall be repaired at Contractor's expense.

DESIGN STRESSES:

FIELD UNITS (NEW STRUCTURE)

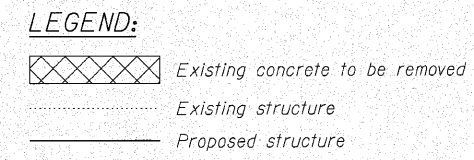
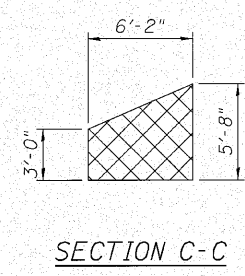
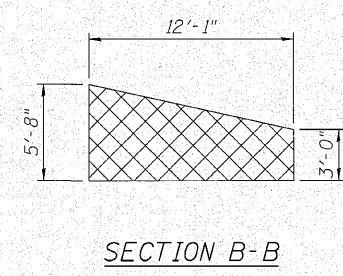
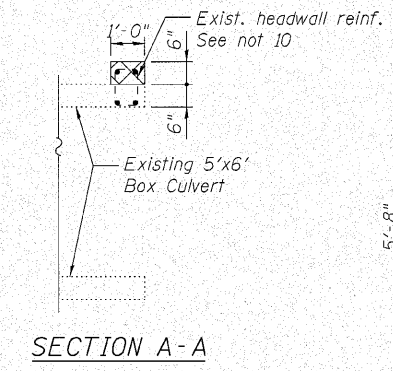
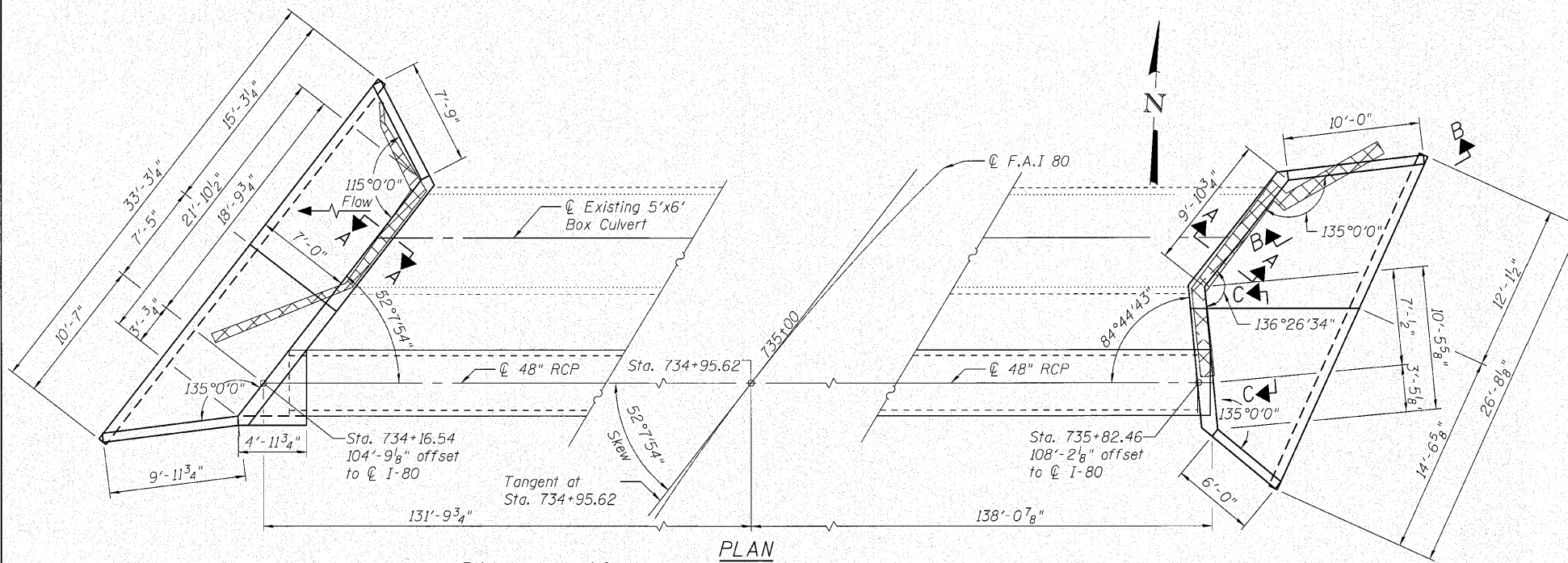
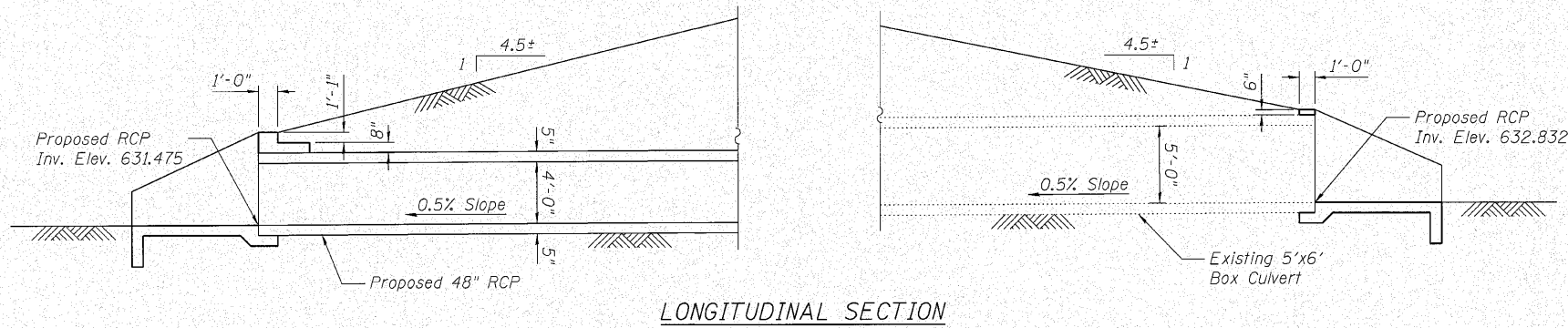
$f'_c = 3,500$ psi (Concrete)
 $f_y = 60,000$ psi (Reinforcement)

SEQUENCE OF CONSTRUCTION

1. Redirect water through existing box culvert.
2. Remove south wingwalls on each end of culvert.
3. Excavate for proposed south wingwalls.
4. Jack and bore 48" RCP in place.
5. Construct proposed south wingwalls and aprons.
6. Redirect water through 48" RCP.
7. Remove existing headwalls and north wingwalls.
8. Construct proposed north wingwalls and aprons.
9. Final grading.

TOTAL BILL OF MATERIAL

Description	Unit	Quantity
Concrete Removal	Cu. Yd.	3.6
Structure Excavation	Cu. Yd.	89
Concrete Structures	Cu. Yd.	26.9
Reinforcement Bars Epoxy Coated	Pound	2,180



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USER NAME = mthomes	DESIGNED - BWS	REVISED -
PLOT SCALE =	CHECKED - EKM	REVISED -
PLOT DATE = 10/27/2010	DRAWN - RD	REVISED -
	CHECKED - SCD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
HICKORY CREEK TRIBUTARY CULVERT
 SHEET NO. 1 OF 3 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	99-5-Y	WILL	276	188
				CONTRACT NO. 60147
ILLINOIS FED. AID PROJECT				