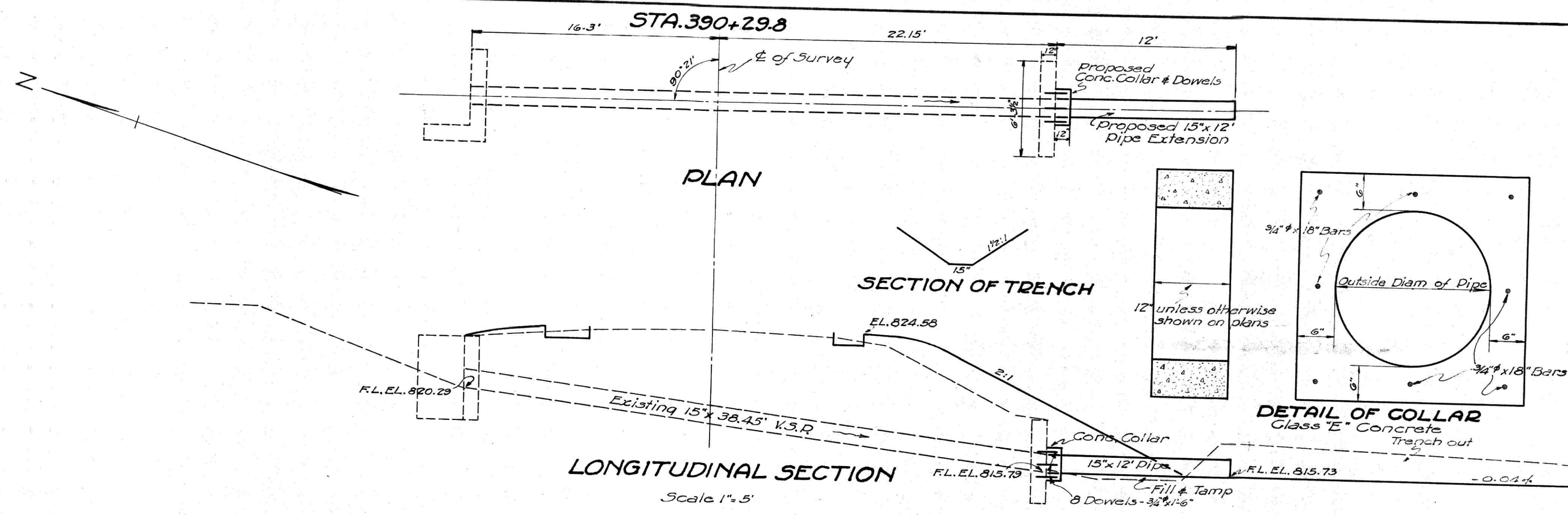


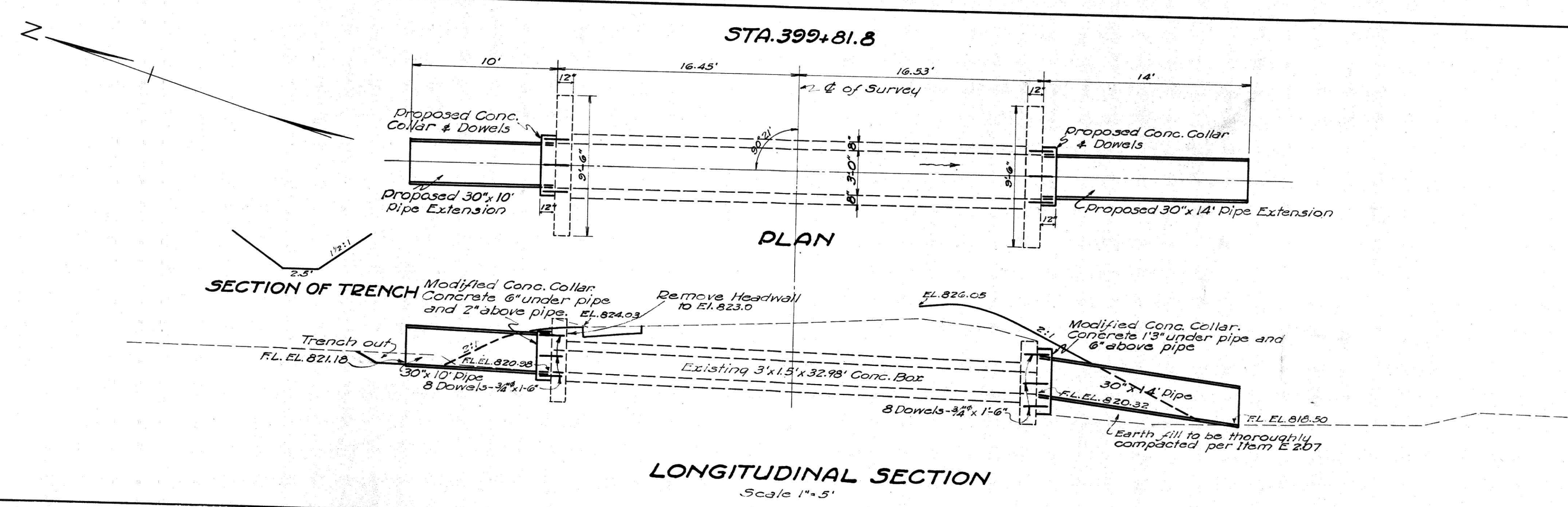


CULVERT DATA

TYPE:- Std. Pipe. Std. Dwg. S-27, R.C.3
SIZE:- 15" x 12' Extension
WORK REQUIRED:- Extend existing V.S.P. 12' on Right. Anchor new work to old with Concrete Collar & Dowels. Trench out on Right-yardage included in Structure Excavation Item E-2. See Sh. No 12 for detail of Concrete Collar

ESTIMATED QUANTITIES

E-2	Excavation	14.0	Cu. Yds.
S-1	Concrete (Class "E") for Collar	0.1	Cu. Yds.
S-4	Reinforcing Steel (8 Pcs. 3/4" x 1'-6")	18.0	Lbs.
S-23	Dowel Holes	6.0	Lin. Ft.
S-27	15" Pipe	12.0	Lin. Ft.

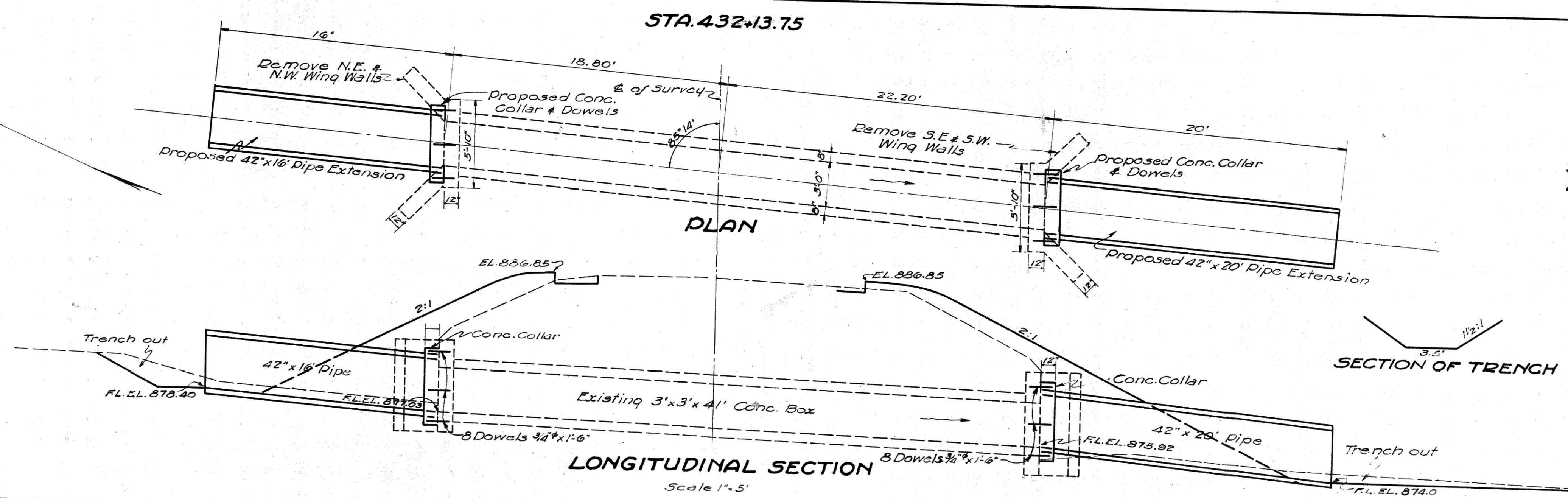


CULVERT DATA

TYPE:- Std. Pipe. Std. Dwg. S-27, R.C.3
SIZE:- 30" x 10' Extension on Left & 30" x 14' Extension on Right.
WORK REQUIRED:- Extend existing 3' x 1.5' Concrete Box 10' on Left and 14' on Right with 30" Pipe. Anchor new work to old with Concrete Collars and Dowels. Remove portions of existing Head Wall on Left. Trench out on Left-yardage is included in Structure Excavation, Item E-2. See Sh. No 12 for detail of Concrete Collar.

ESTIMATED QUANTITIES

E-2	Excavation	2.0	Cu. Yds.
S-1	Concrete (Class "E") for Collars	0.7	Cu. Yds.
S-4	Reinforcing Steel (16 Pcs. 3/4" x 1'-6")	36.0	Lbs.
S-22	Removal of portions exist. Head Wall	0.6	Cu. Yds.
S-23	Dowel Holes	12.0	Lin. Ft.
S-27	30" Pipe	24.0	Lin. Ft.



CULVERT DATA

TYPE:- Std. Pipe. Std. Dwg. S-27, R.C.3
SIZE:- 42" x 16' Extension on Left & 42" x 20' Extension on Right.
WORK REQUIRED:- Extend existing 3' x 3' Concrete Box 16' on Left and 22' on Right with 42" Pipe. Anchor new work to old with Concrete Collar & Dowels. Remove four existing Wing Walls. Trench out on Left & Right-yardage is included in Structure Excavation, Item E-2. See Sh. No 12 for detail of Concrete Collar.

ESTIMATED QUANTITIES

E-2	Excavation	10.0	Cu. Yds.
S-1	Concrete (Class "E") for Collars	0.8	Cu. Yds.
S-4	Reinforcing Steel (16 Pcs. 3/4" x 1'-6")	36.0	Lbs.
S-22	Removal of existing Wing Walls	2.0	Cu. Yds.
S-23	Dowel Holes	12.0	Lin. Ft.
S-27	42" Pipe	36.0	Lin. Ft.