

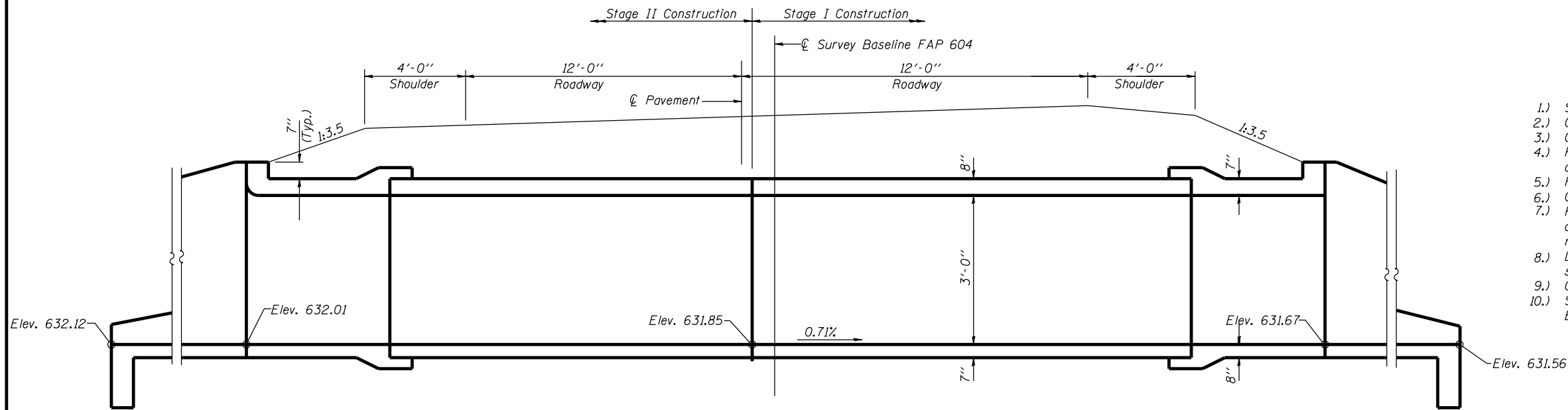
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 604	*	MACOUPIN	231	110
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

SHEET NO. 1  
4 SHEETS

\*14R; 115RS-2; 116RS-4; 101RS-2

**GENERAL NOTES**

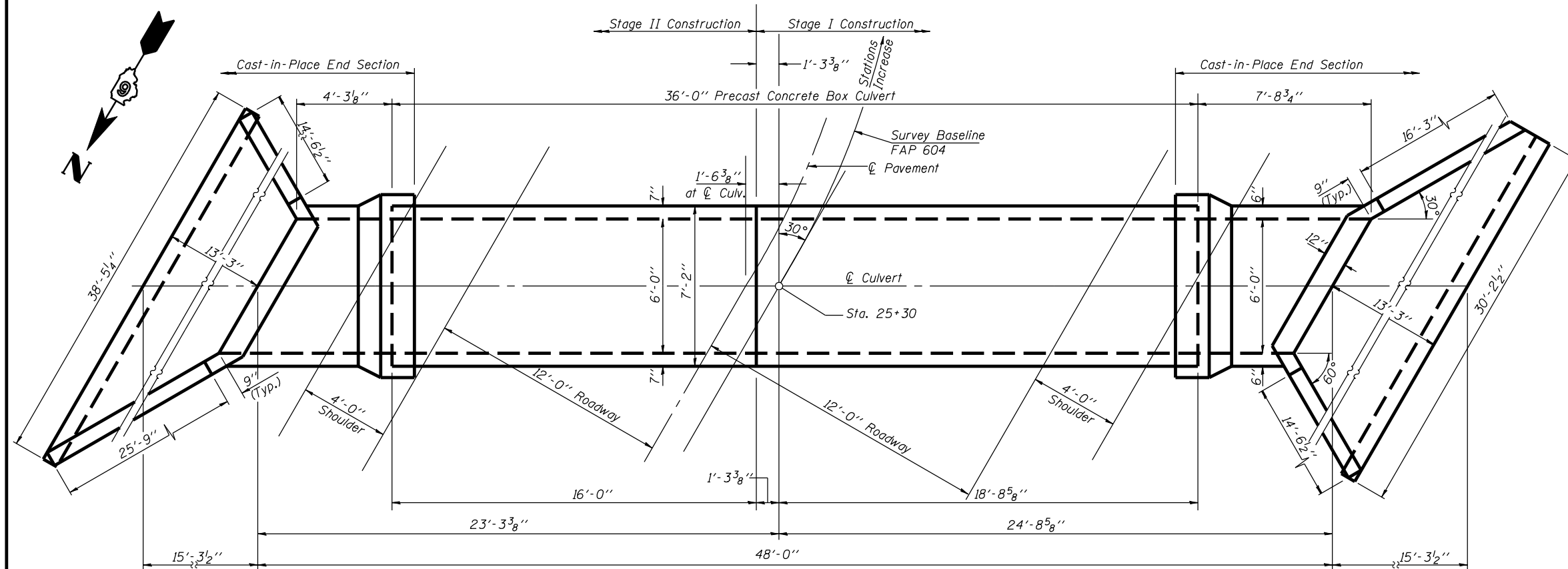
- 1.) See Roadway Plans for Erosion Control.
- 2.) Cast-In-Place Concrete Exposed Edges Shall Be Beveled  $\frac{3}{4}$ ".
- 3.) Class SI Concrete Shall Be Used Throughout the cast-in-place end sections.
- 4.) Reinforcement Bars Shall Conform To The Requirements of AASHTO M-31 or M-322, Grade 60.
- 5.) For Backfilling And Embankment, See Special Provisions.
- 6.) Outside End of Precast Sections Shall Not Have A Bell Or Spigot.
- 7.) Precast Concrete Box Culvert sections shall conform to the requirements of Article 540.06 of the Standard Specifications and the applicable requirements of AASHTO M 273 (ASTM C850).
- 8.) Lifting holes shall be filled with concrete plugs and mastic after box sections are in place.
- 9.) Cast-in-Place End Sections shall be paid for as Concrete Box Culverts.
- 10.) See Section 540.06 of the Standard Specifications for Porous Granular Bedding requirements.



**LONGITUDINAL SECTION**  
(Dimensions at Rt. L's to C Roadway)

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Concrete Box Culverts	Cu. Yd.	31.6
Reinforcement Bars	Pound	3000
Precast Concrete Box Culvert 6' x 3'	Foot	36
Temporary Sheet Piling	Sq. Ft.	876
Granular Culvert Backfill	Cu. Yd.	120



**PLAN**

**LOADING HS20-44**  
Allow 50#/sq. ft. for future wearing surface.

**DESIGN SPECIFICATIONS**  
2002 AASHTO

**DESIGN STRESSES**

**FIELD UNITS**

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

**PRECAST UNITS**

$f'_c = 5,000$  psi  
 $f_y = 60,000$  psi (Welded Wire Fabric)

ILLINOIS DEPARTMENT OF TRANSPORTATION

SHEET TITLE <b>CULVERT PLAN</b>		PROJECT NO. 03004-21
PROJECT FAP ROUTE 604 (IL 159)	SCALE	DATE
SEC. 14R; 115RS-2; 116RS-4; 101RS-2	DESIGNED BY TFG	CHECKED BY MCB
MACOUPIN COUNTY	DRAWING NO.	
STATION 25+30		
<b>COOMBE-BLOXDORF P.C.</b> Engineers/Land Surveyors Springfield, Illinois	1	
Design Firm License No. 184-002708	OF 4 SHTS	

PLT DATE = 04/15/10  
FILE NAME = 041510  
PLOT SCALE = 1/8"=1'-0"  
USER NAME = MCB