

- INDEX OF SHEETS**  
 SHEET 1 – COVER SHEET  
 SHEET 2 – SUMMARY OF QUANTITIES AND SIGNATURES  
 SHEET 3 – GENERAL PLAN SN 009-0005  
 SHEET 4 – GENERAL PLAN SN 009-0007  
 SHEET 5 – MOAB DETAILS SN 009-0005  
 SHEET 6 – BRIDGE SHARK DETAILS SN 009-0007

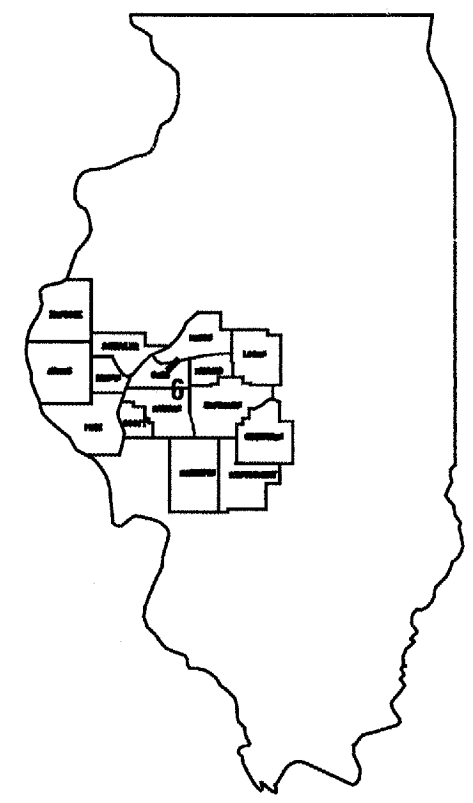
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS  
**PLANS FOR PROPOSED  
 CONTRACT MAINTENANCE**

**FAP 614 (IL 78)  
 OVER PANTHER CREEK & SANGAMON RIVER  
 SECTION (144BR-2)I-3, (144BR-3)I-2  
 CASS COUNTY**

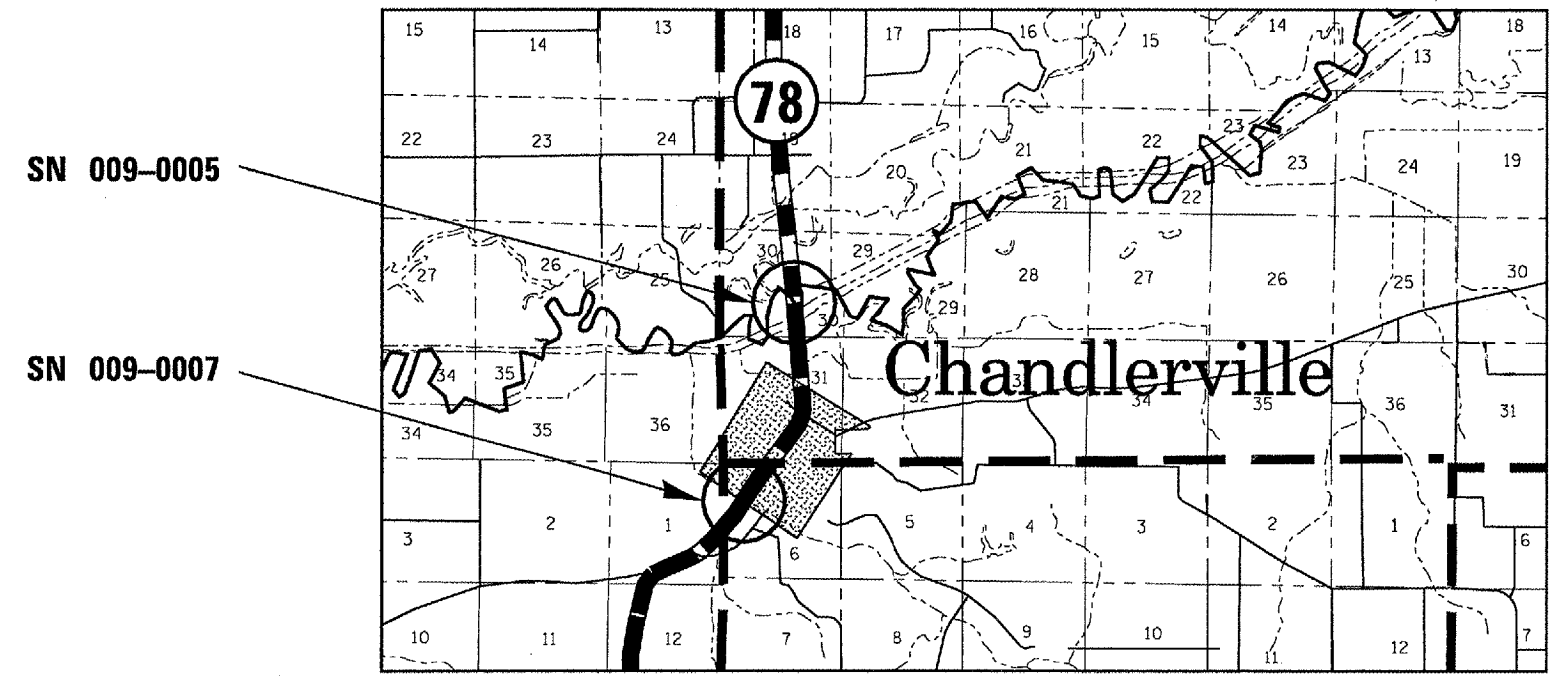
C-96-001-06

**HIGHWAY STANDARDS**

- 701001-01
- 701006-02
- 701201-02
- 702001-05



LOCATION OF SECTION INDICATED THUS: ■



STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED JUNE 30 2005

Chris M Reed  
 DISTRICT ENGINEER

August 19, 2005

Mike Hine  
 ENGINEER OF DESIGN AND ENVIRONMENT

August 19, 2005

Victor Modest  
 DIRECTOR, DIVISION OF HIGHWAYS

**J. U. L. I. E.**  
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
 1-800-892-0123

NET LENGTH OF SECTION  
 SN 009-0005 – .18 MILE  
 SN 009-0007 – .02 MILE

DESIGN & PLANNING ENGINEER: CECIL DOWNING  
 BRIDGE INSPECTOR ENGINEER: DAVE COPENBARGER  
 PHONE: (217) 785-5306

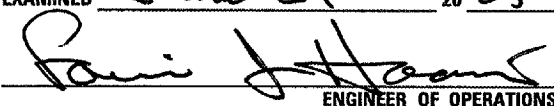
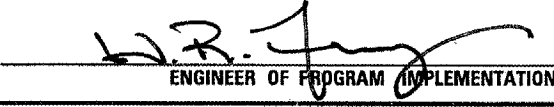
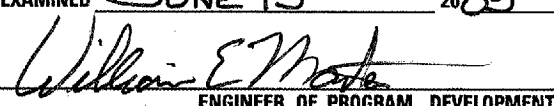
**CONTRACT NO. 72A01**

# SUMMARY OF QUANTITIES

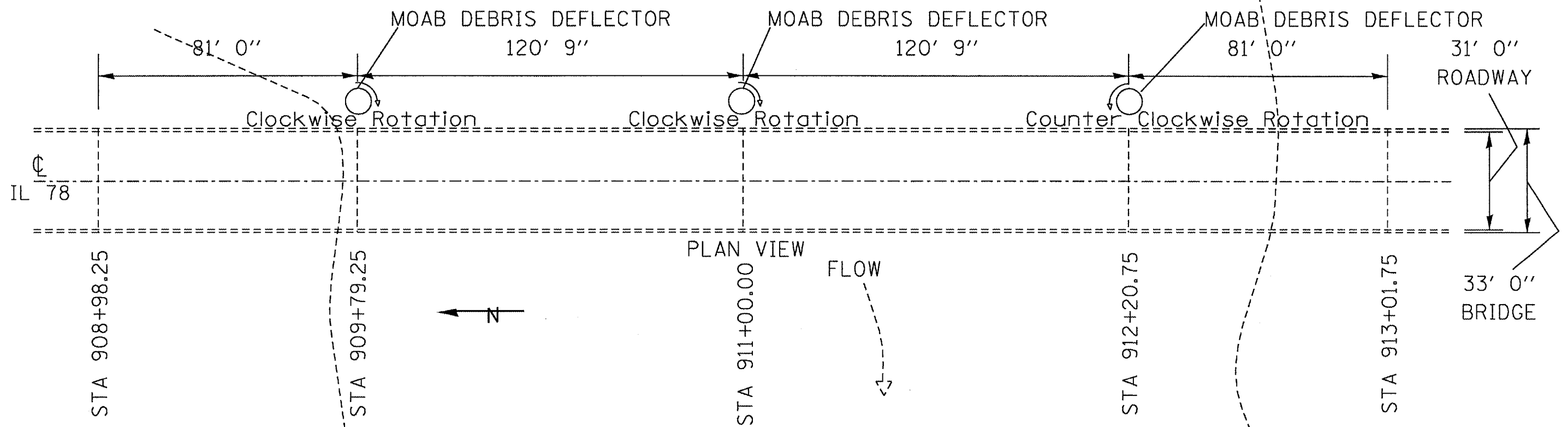
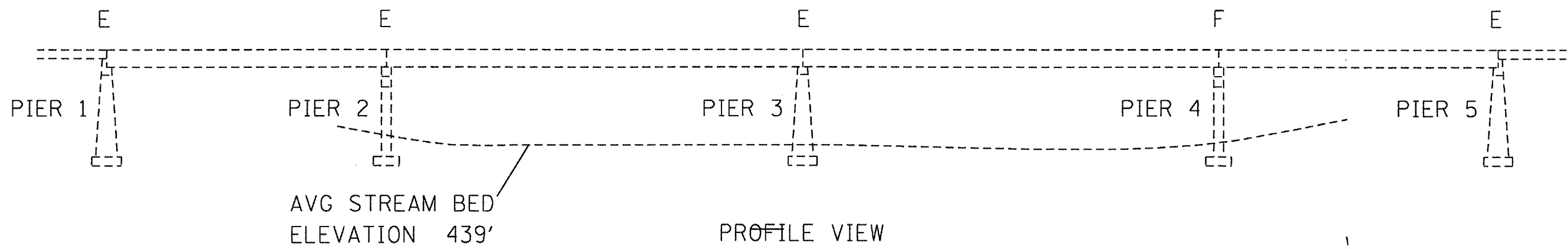
		100% STATE SAFETY - 2A CASS COUNTY		
CODE NO.	ITEM	UNIT	RURAL	TOTAL
67100100	MOBILIZATION	LSUM	1.0	1.0
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	LSUM	1.0	1.0
X0324059	DEBRIS DEFLECTION SYSTEM, COMPLETE	LSUM	1.0	1.0
51201000	FURNISHING METAL PILE SHELLS, 12"	FOOT	158	158
51200950	FURNISHING METAL PILE SHELLS, 10"	FOOT	45	45
51202600	DRIVING AND FILLING SHELLS	FOOT	203	203

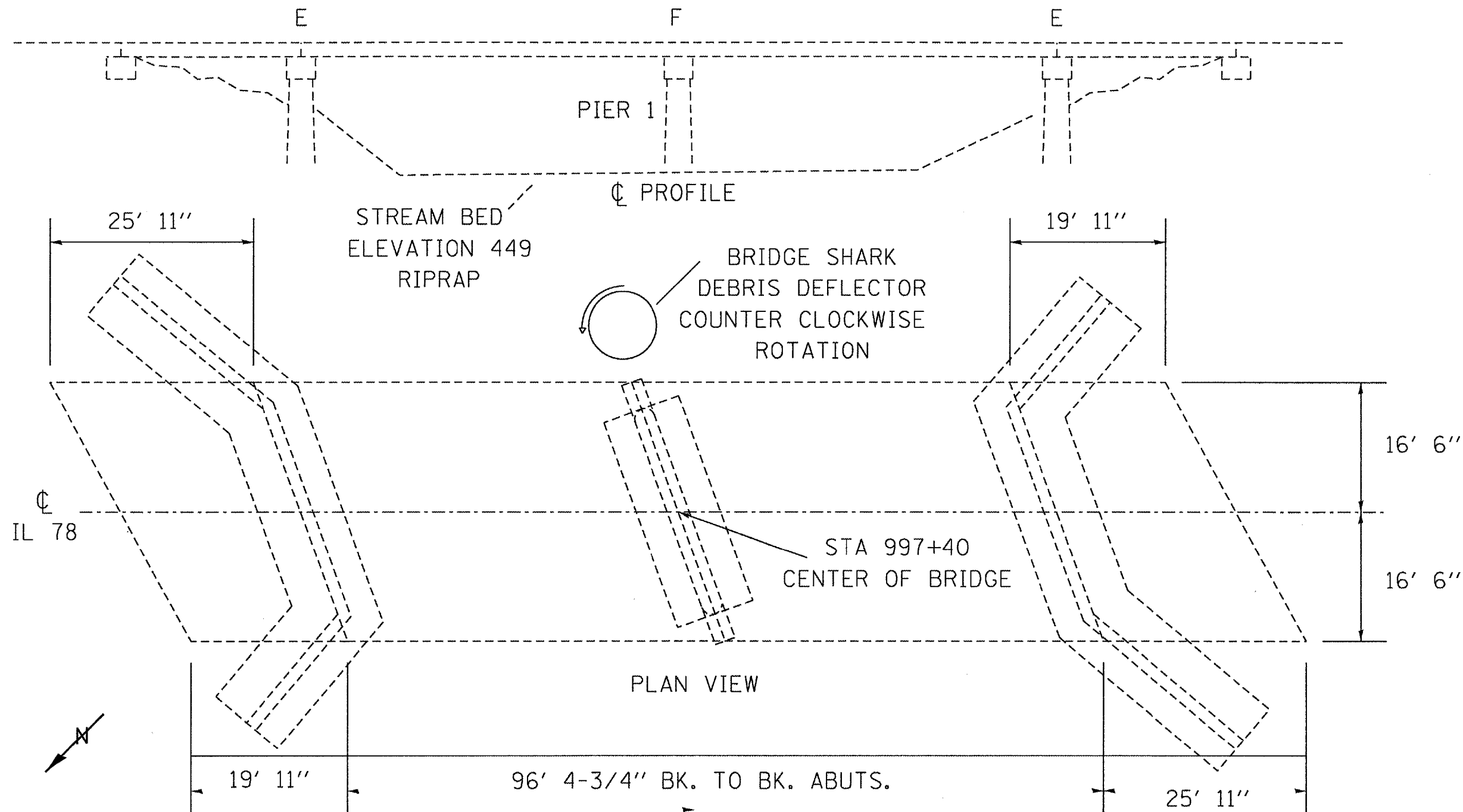
**General Notes:**

Plan dimensions and details relative to the 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 to make necessary approved adjustments prior to construction or ordering materials. Such variations shall not be cause for additional compensation or a change in scope of work. However, the contractor will be paid for the quantity of actually furnished at the unit bid price for the work. The contractor shall submit a procedure for driving the piles to the Engineer for approval. This shall include a means, such as crane mats, for distributing the load to the bridge deck and preventing damage to the concrete.

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6</b>	
EXAMINED	June 29 20 05  ENGINEER OF OPERATIONS
EXAMINED	June 20 20 05  ENGINEER OF PROGRAM IMPLEMENTATION
EXAMINED	JUNE 15 20 05  ENGINEER OF PROGRAM DEVELOPMENT

SUMMARY OF QUANTITIES  
 FAP 614 (IL 78)  
 SECTION (144BR-2)I-3,  
 (144BR-3)I-2  
 CASS COUNTY

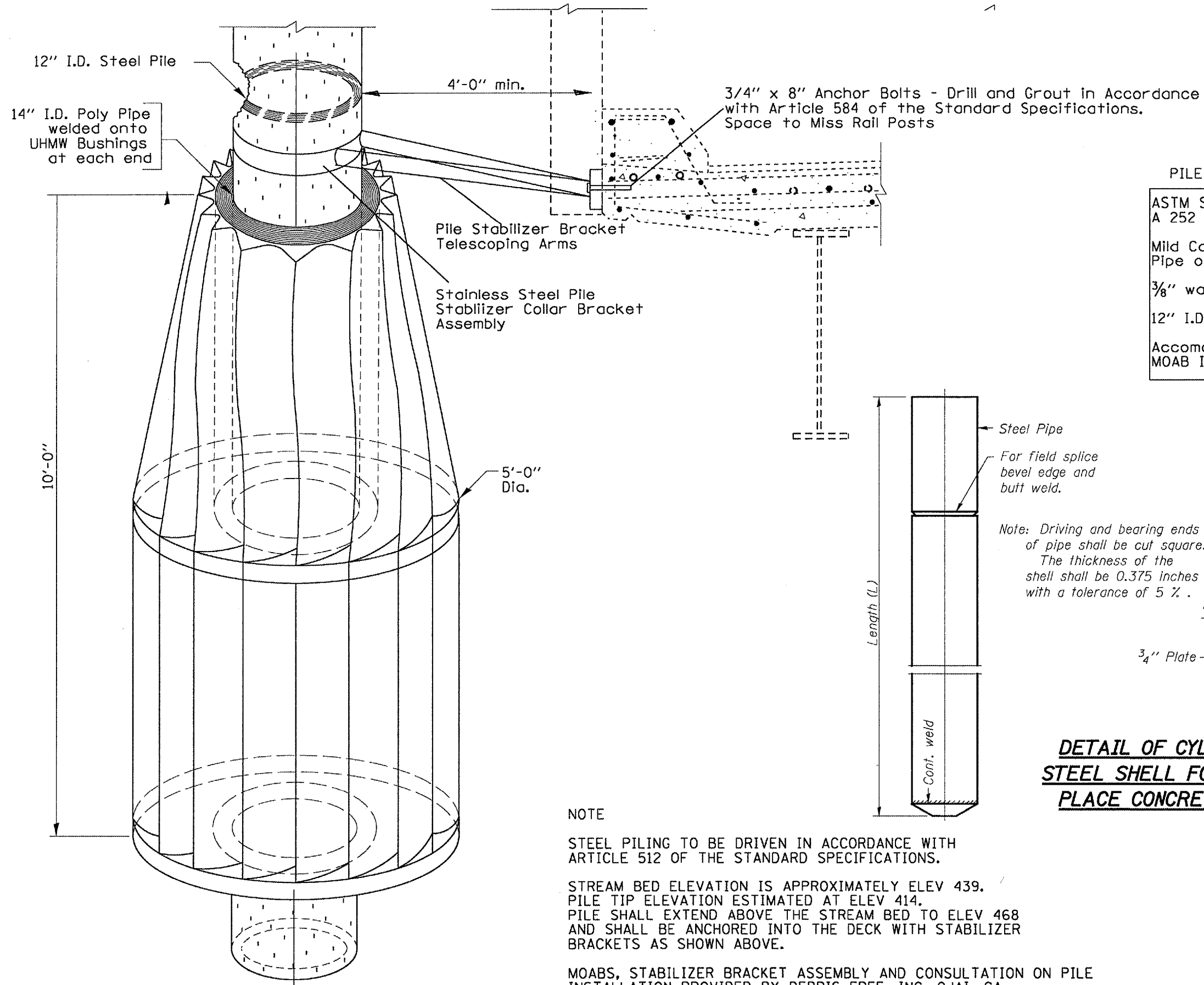




NOTE: BRIDGE SHARK TO BE LOCATED UP STREAM OF PIER, ALIGNED WITH THE CHANNEL AND OUT FROM THE BRIDGE FAR ENOUGH SO THERE IS ADEQUATE CLEARANCE FOR BRIDGE SHARK TO CLEAR PIER AND BRIDGE DECK AT HIGH WATER. EXACT PLACEMENT TO BE DETERMINED BY ENGINEER

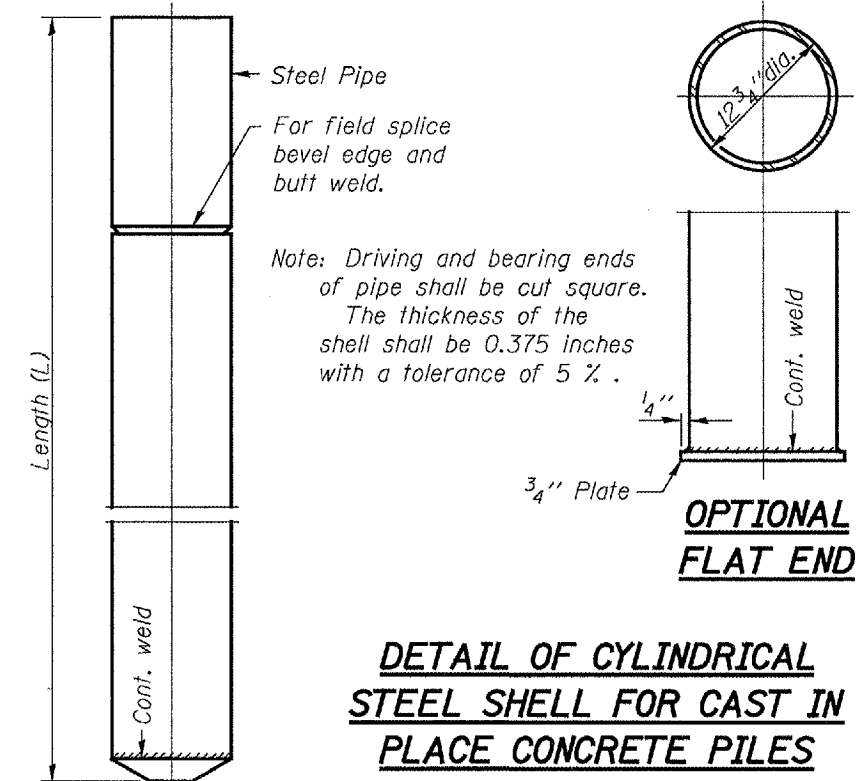
FLOW

009-0007 PLAN & PROFILE  
 FAP 614 (IL 78)  
 SECTION (144BR-2)I-3,  
 (144BR-3)I-2  
 CASS COUNTY



**PILE SPECIFICATIONS**

ASTM Standards A 252 Grade 2
Mild Carbon Steel Pipe or equivalent
3/8" wall thickness
12" I.D., 12 3/4" O.D.
Accommodates a 14" I.D. MOAB Internal Bushing



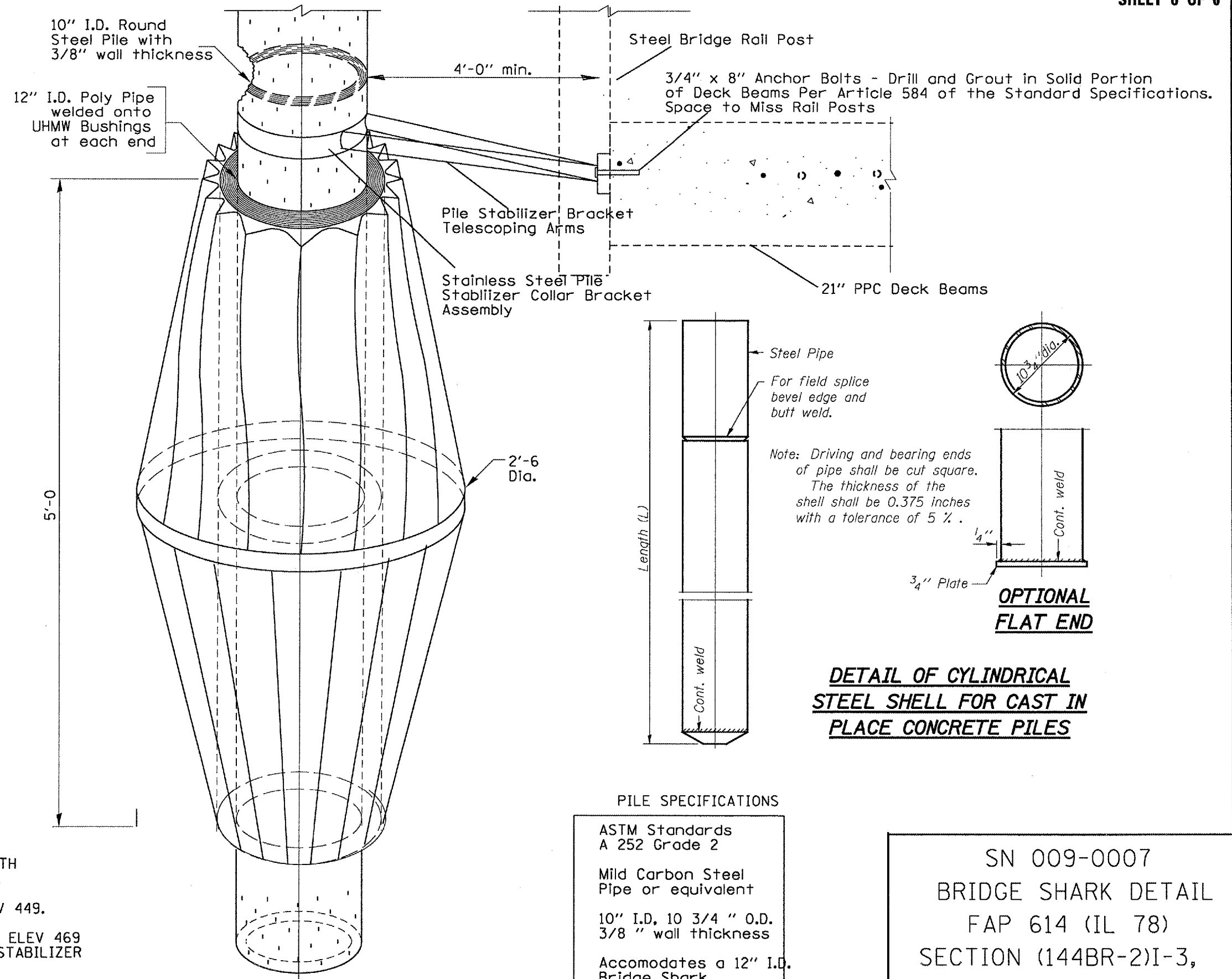
**NOTE**

STEEL PILING TO BE DRIVEN IN ACCORDANCE WITH ARTICLE 512 OF THE STANDARD SPECIFICATIONS.

STREAM BED ELEVATION IS APPROXIMATELY ELEV 439.  
PILE TIP ELEVATION ESTIMATED AT ELEV 414.  
PILE SHALL EXTEND ABOVE THE STREAM BED TO ELEV 468 AND SHALL BE ANCHORED INTO THE DECK WITH STABILIZER BRACKETS AS SHOWN ABOVE.

MOABS, STABILIZER BRACKET ASSEMBLY AND CONSULTATION ON PILE INSTALLATION PROVIDED BY DEBRIS FREE, INC. OJAI, CA.

009-0005 MOAB DETAIL  
FAP 614 (IL 78)  
SECTION (144BR-2)I-3,  
(144BR-3)I-2  
CASS COUNTY



**NOTE**

STEEL PILING TO BE DRIVEN IN ACCORDANCE WITH ARTICLE 512 OF THE STANDARD SPECIFICATIONS.

STREAM BED ELEVATION IS APPROXIMATELY ELEV 449.  
 PILE TIP ELEVATION ESTIMATED AT ELEV 424.  
 PILE SHALL EXTEND ABOVE THE STREAM BED TO ELEV 469  
 AND SHALL BE ANCHORED INTO THE DECK WITH STABILIZER  
 BRACKETS AS SHOWN ABOVE.

MOABS, STABILIZER BRACKET ASSEMBLY AND CONSULTATION ON PILE  
 INSTALLATION PROVIDED BY DEBRIS FREE, INC. OJAI, CA.

**PILE SPECIFICATIONS**

ASTM Standards  
 A 252 Grade 2  
 Mild Carbon Steel  
 Pipe or equivalent  
 10" I.D., 10 3/4 " O.D.  
 3/8 " wall thickness  
 Accomodates a 12" I.D.  
 Bridge Shark  
 Internal Bushing

**DETAIL OF CYLINDRICAL  
 STEEL SHELL FOR CAST IN  
 PLACE CONCRETE PILES**

SN 009-0007  
 BRIDGE SHARK DETAIL  
 FAP 614 (IL 78)  
 SECTION (144BR-2)I-3,  
 (144BR-3)I-2  
 CASS COUNTY