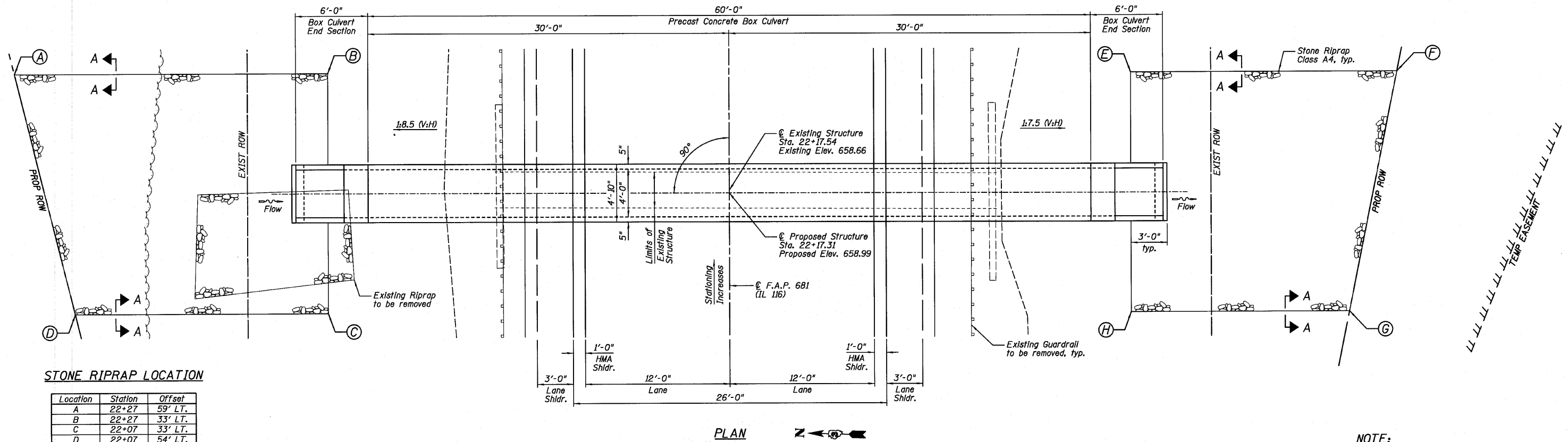
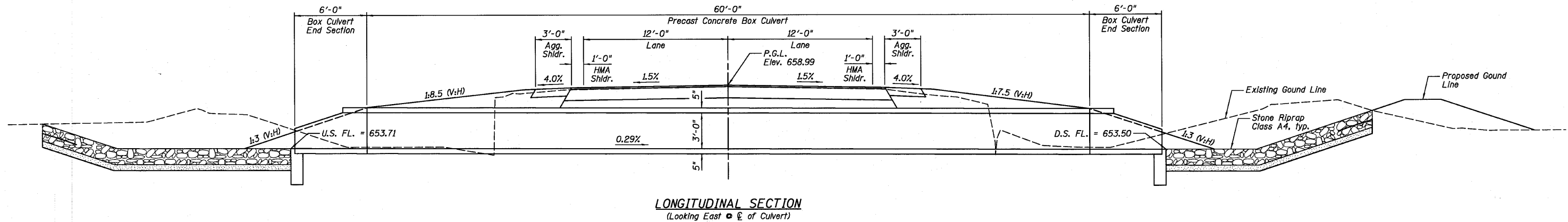


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STONE RIPRAP LOCATION

Location	Station	Offset
A	22+27	59' LT.
B	22+27	33' LT.
C	22+07	33' LT.
D	22+07	54' LT.
E	22+27	33' RT.
F	22+27	55' RT.
G	22+07	51' RT.
H	22+07	33' RT.

Note: Stations and offsets for the Stone Riprap, Class A4 are from the roadway C.

GENERAL NOTES

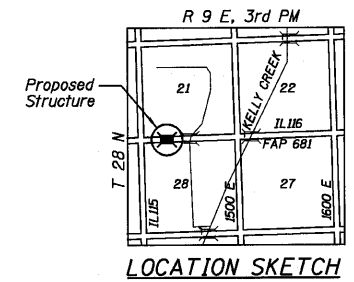
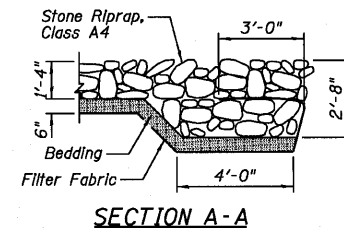
- 1.) Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- 2.) It shall be the responsibility of the Contractor to divert the stream flow during construction in order to keep the construction area free of water. The method of water diversion shall be subject to the approval of the Engineer and the cost shall be included with the cost of "Precast Concrete Box Culvert 4'x3'".
- 3.) The precast concrete culvert sections shall be designed and manufactured in accordance with AASHTO M273 (ASTM C850).
- 4.) For backfilling and embankment, see Standard Specifications.
- 5.) The Contractor shall reshape the channel within the Right-Of-Way in order to facilitate drainage and the placement of riprap as directed by the Engineer. The cost of reshaping the channel shall be included in the cost of "Removal of Existing Structures No. 1". See District 3 Details for additional information regarding the Precast Concrete Box Culvert and Box Culvert End Sections.
- 6.)

DESIGN STRESSES

PRECAST UNITS
 $f'_c = 5,000$ psi (Precast)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 65,000$ psi (Welded Wire Fabric)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Stone Riprap, Class A4	Sq. Yd.	100
Filter Fabric	Sq. Yd.	100
Removal Of Existing Structures No. 1	Each	1
Box Culvert End Section, Culvert No. 1	Each	2
Precast Concrete Box Culvert 4'x3' (M273)	Foot	60



NOTE:

P.G.L. denotes Profile Grade Line.

4'x3' PRECAST
CONCRETE BOX CULVERT
IL. ROUTE 116 OVER
UNNAMED DRAINAGE DITCH
F.A.P. 681 - SECTION 116BR
FORD COUNTY
STATION 22+17.31

DESIGNED SDH
CHECKED JML
DRAWN JWK/DJM
CHECKED MSW

DATE 08/04/10

Farnsworth
GROUP, INC.
2709 McGraw Drive
Bloomington, Illinois 61704
309/663-8435, 309/663-1571 fax

SHEET NO. A1
1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
681	*	FORD/IROQUOIS	146	47
CONTRACT NO. 66880				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

* 116 BR/[116 BR, (BR-2)BR, I & BR-3]

24-8271