

B.M.4: RR Spike in Power Pole West Side of Il. 89,
±30' N. of the N. Entrance to the First House
South of Crow Creek, MB# 245
Elev. 630.17

B.M.5: RR Spike in 46" Pin Oak ±115' S. of
Guardrail End on the W. Side of Il. 89.
(First Large Tree S. of Crow Creek
Near West E.O.P.)
Elev. 626.64

Existing Structure:

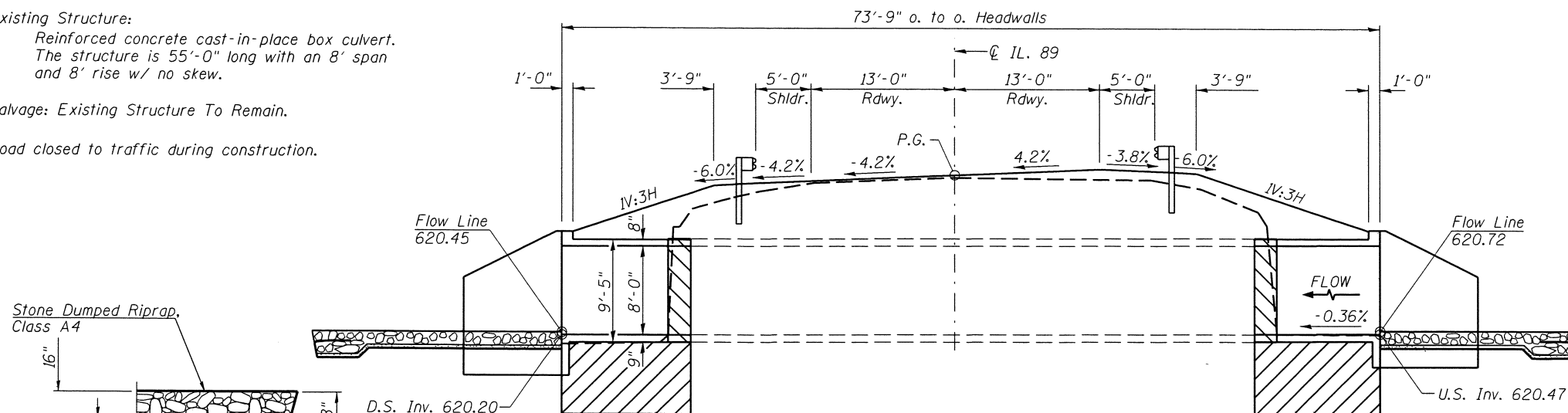
Reinforced concrete cast-in-place box culvert.
The structure is 55'-0" long with an 8' span
and 8' rise w/ no skew.

Salvage: Existing Structure To Remain.

Road closed to traffic during construction.

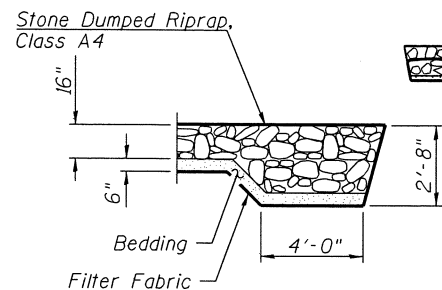
GENERAL NOTES

For backfilling and embankment see Standard Specifications.
The required depth of removal and replacement of unsuitable materials may
be adjusted by the Engineer to account for variable subsurface conditions.
Precast culvert option will not be allowed.
Exposed concrete edges shall have a 3/4" chamfer unless otherwise noted.
Layout of slope protection system may be varied in the field to suit ground
conditions as directed by the Engineer.
A distance of half the length of the wingwall, but not less than 6 feet of
the barrel shall be poured monolithically with the wingwall.
All excavation required for construction of the culvert as shown in these
plans and in accordance with the Standard Specifications shall be included
in the cost of Concrete Box Culverts.
For soil borings, see sheet 5 of 5.
Reinforcement bars designated (E) shall be epoxy coated.

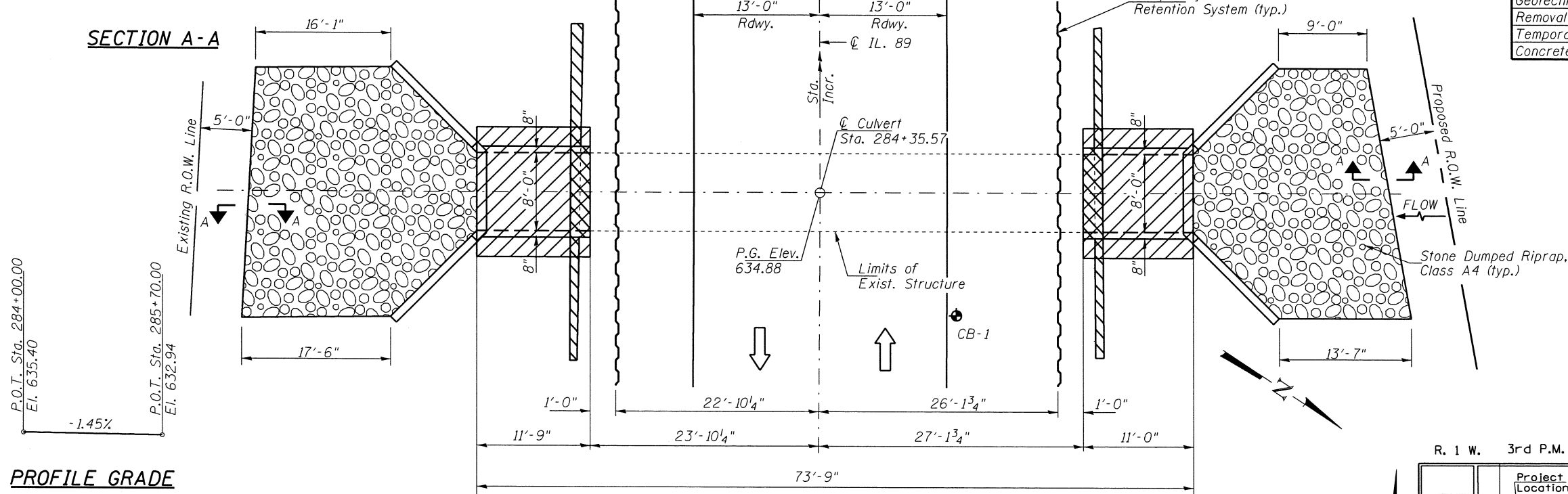


LONGITUDINAL SECTION

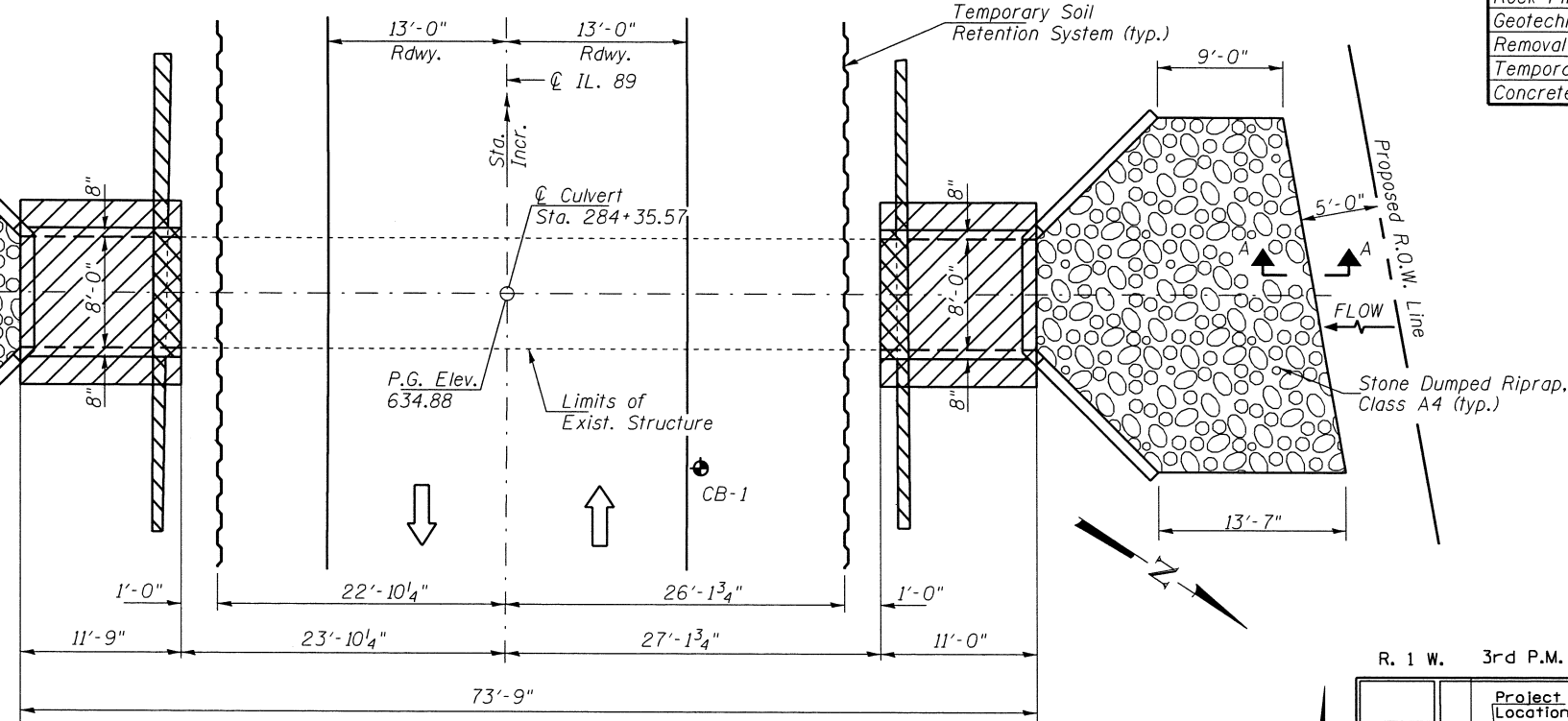
Dimensions are at Rt. L's to C Roadway



SECTION A-A



PROFILE GRADE



PLAN

DESIGN SPECIFICATIONS

2002 AASHTO & Interims

DESIGN STRESSES

FIELD UNITS

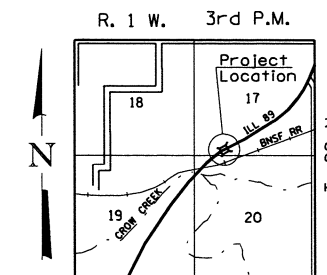
(New Construction)

f'c = 3,500 psi

fy = 60,000 psi (Reinforcement)

LOADING HS20-44

Allow 50#/sq. ft. for future wearing surface.



LOCATION SKETCH

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Box Culverts	CU YD	40.3
Reinforcement Bars, Epoxy Coated	POUND	8,950
Stone Dumped Riprap, Class A4	SQ YD	115
Filter Fabric	SQ YD	115
Expansion Bolts 3/4 Inch	EACH	48
Rock Fill	CU YD	76
Geotechnical Fabric for Ground Stabilization	SQ YD	66
Removal & Disposal of Unsuitable Material	CU YD	79.0
Temporary Soil Retention System	SQ FT	1,035
Concrete Removal	CU YD	23.2

BENJAMIN A. NEBEL
Professional Engineer
No. 081-096527
ILLINOIS
Lic 087 4/30/14

GENERAL PLAN & ELEVATION

MARSHALL COUNTY

SECTION (125VBR)BR

F.A.P. RTE. 698 OVER UNNAMED STREAM

STATION 284+35.57

STRUCTURE NO. 062-1003

Hutchison Engineering, Inc.
Jacksonville, Peoria, &
Shorewood, Illinois

USER NAME = bnebel
PLOT SCALE = NONE
PLOT DATE = 9/12/2014

DESIGNED - NPH
CHECKED - STM/BAN
DRAWN - RMD/NPH
CHECKED - NPH/STM

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 062-1003

SHEET NO. 1 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
698	(125VBR)BR	MARSHALL	148	115
CONTRACT NO. 68580			ILLINOIS FED. AID PROJECT BR5-*****	