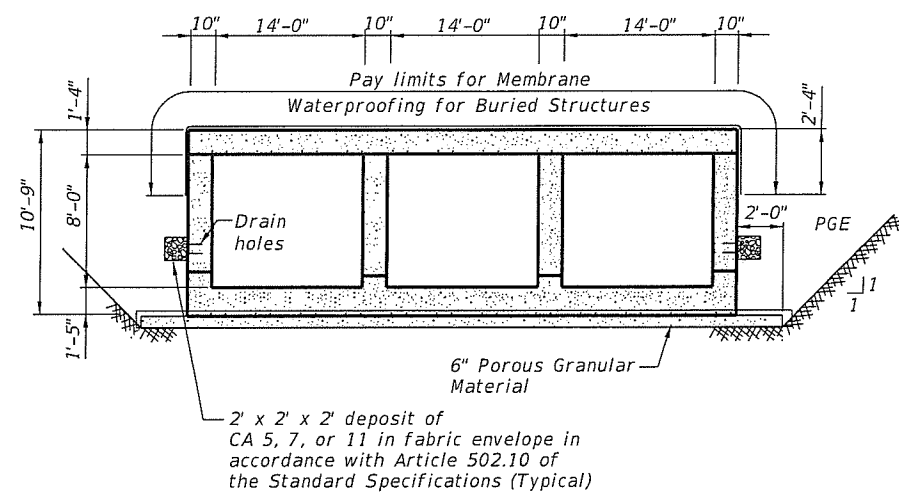


LONGITUDINAL SECTION



SECTION THRU BARRELS

GENERAL NOTES

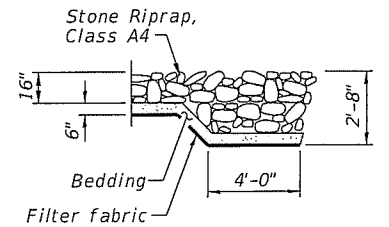
When design heights and details below are subject to nominal construction variations. The CONTRACTOR shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the CONTRACTOR will be paid for the quantity actually furnished at the unit price bid for the work.

A precast structure is not an option for this project, and will not be allowed.

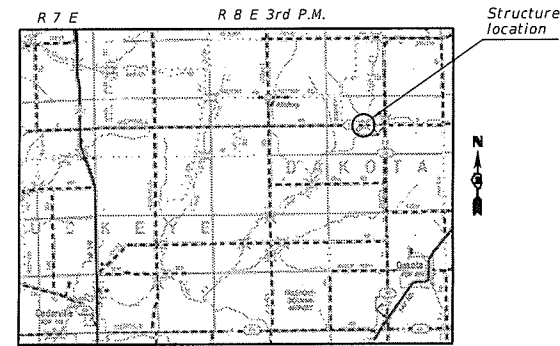
2

CEDAR CREEK CULVERT
BUILT 2022 BY
STEPHENSON COUNTY
SEC. 19-00187-00-BR
CH-19,FAS-61 STA. 17+78.58
STR. NO 089-5150 LOADING HL-93

NAME PLATE
See Std. 515001



RIPRAP FLANK DETAIL



LOCATION SKETCH

Item	Unit	Quantity
Reinforcement Bars	Pound	79,510
Reinforcement Bars, Epoxy Coated	Pound	1,110
Concrete Box Culverts	Cu Yd	322
Porous Granular Embankment	Cu Yd	259
Membrane Waterproofing for Buried Structures	Sq Yd	244

TOTAL BILL OF MATERIAL

DESIGN SPECIFICATIONS
AASHTO LRFD Bridge Design Specifications
8th Edition with 2018 Interims

DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

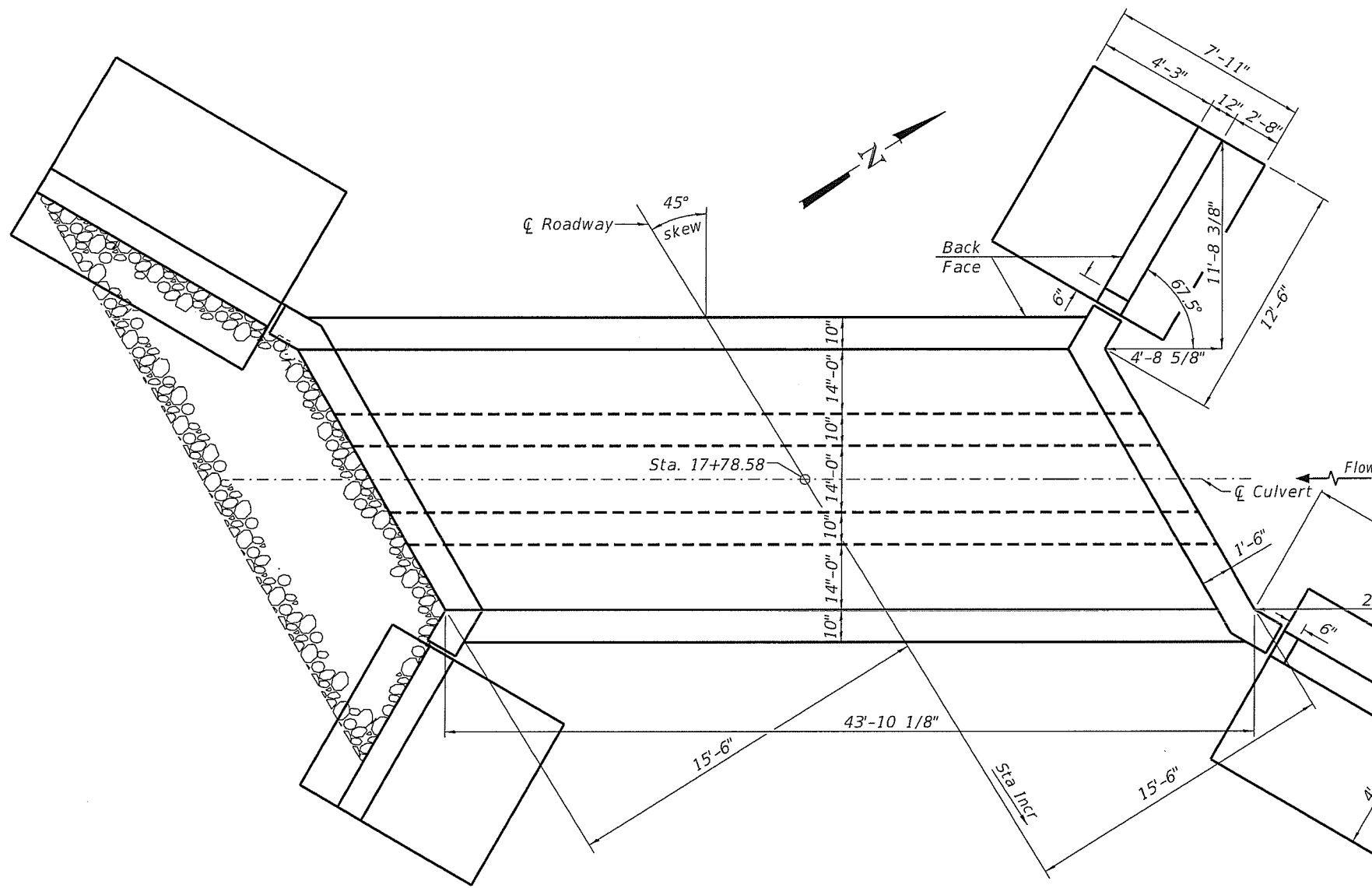
LOADING HL-93

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



I certify that to the best of my knowledge, information and belief, this bridge/box culvert design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current 'AASHTO Standard Specifications for Highway Bridges'.

Keith E. Brandau 8/30/21
KEITH E BRANDAU, S.E., Date
License Expires 2/28/22



PLAN

9 FILES

USER NAME =	DESIGNED - TO	REVISED - 1/12/22
PLOT SCALE =	DRAWN - ORG	REVISED -
PLOT DATE =	CHECKED - TO	REVISED -
	DATE - 07/23/2020	REVISED -

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS

DECATUR (217) 422-8544
SCHAUMBURG (773) 714-0050
ROCKFORD (815) 489-0050
184-001397

GENERAL PLAN AND ELEVATION

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
61	19-00187-00-BR	STEPHENSON	7	5
PROJECT ILLINOIS			CONTRACT NO. 85919	