

B.M. #47: Chiseled "L" on parapet at S.W. corner of bridge, S.N. 072-0039, Gale Ave. over I-74. Elev. 160.151

Existing Structure: The existing structures are a two-barrel reinforced concrete box culvert (S.N. 072-2005) and an attached reinforced concrete flume. They were built as F.A.I. Rte 74, Sec. 72-7-HB-1 in 1965.

A South MSE retaining wall will be built to retain Ramp C-3 in areas where there is no existing or new culvert extension. The MSE wall will be built in conjunction with a new extension to the existing box culvert.

Traffic will be closed on Ramp C-3 during construction.

Sta. 10+300.000 Ramp C-3 = Sta. 145+800.460 W.R. F.A.I. 74

Note: All stationing is on Ramp C-3 baseline unless otherwise noted.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET NO. 1 OF 9 SHEETS
F.A.I. 74	(72-7)R-3	PEORIA	1360	1051	
Contract No. 68200					

TABLE OF ELEVATIONS

Ramp C-3 Station	Offset Right Of @ (m)	Finish Grade Elev. At Front Face Of Wall	Elev. At Bottom Of Coping/T.O. Exp. Face Panel
10+190.00	2.8	169.07	169.28
10+193.15	2.8	167.50	169.29
10+200.00	2.8	167.40	169.31
10+225.00	2.8	167.30	169.49
10+250.00	2.8	167.00	169.64
10+277.94	2.8	166.70	169.81

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications

DESIGN STRESSES

FIELD UNITS

NEW CONSTRUCTION
f'c = 24 MPa (28 day) Conc.
fy = 400 MPa (Reinf.)

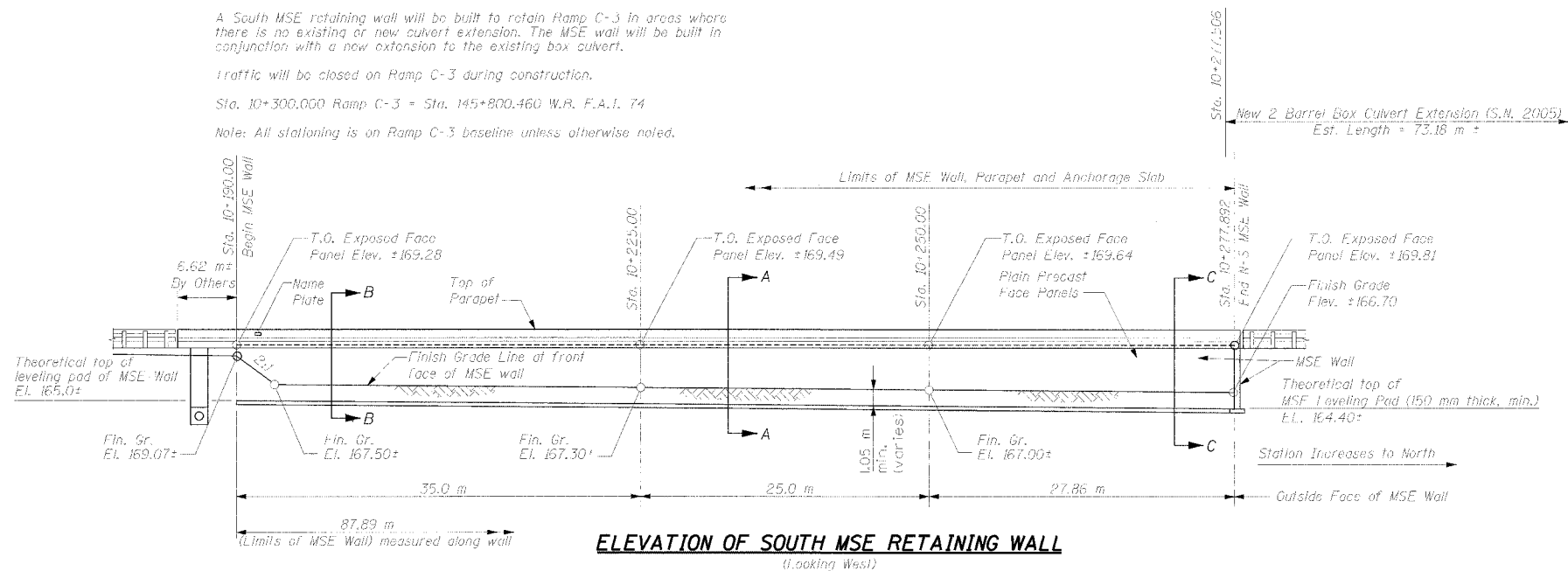
SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.043 g
Site Coefficient (S) = 1.5

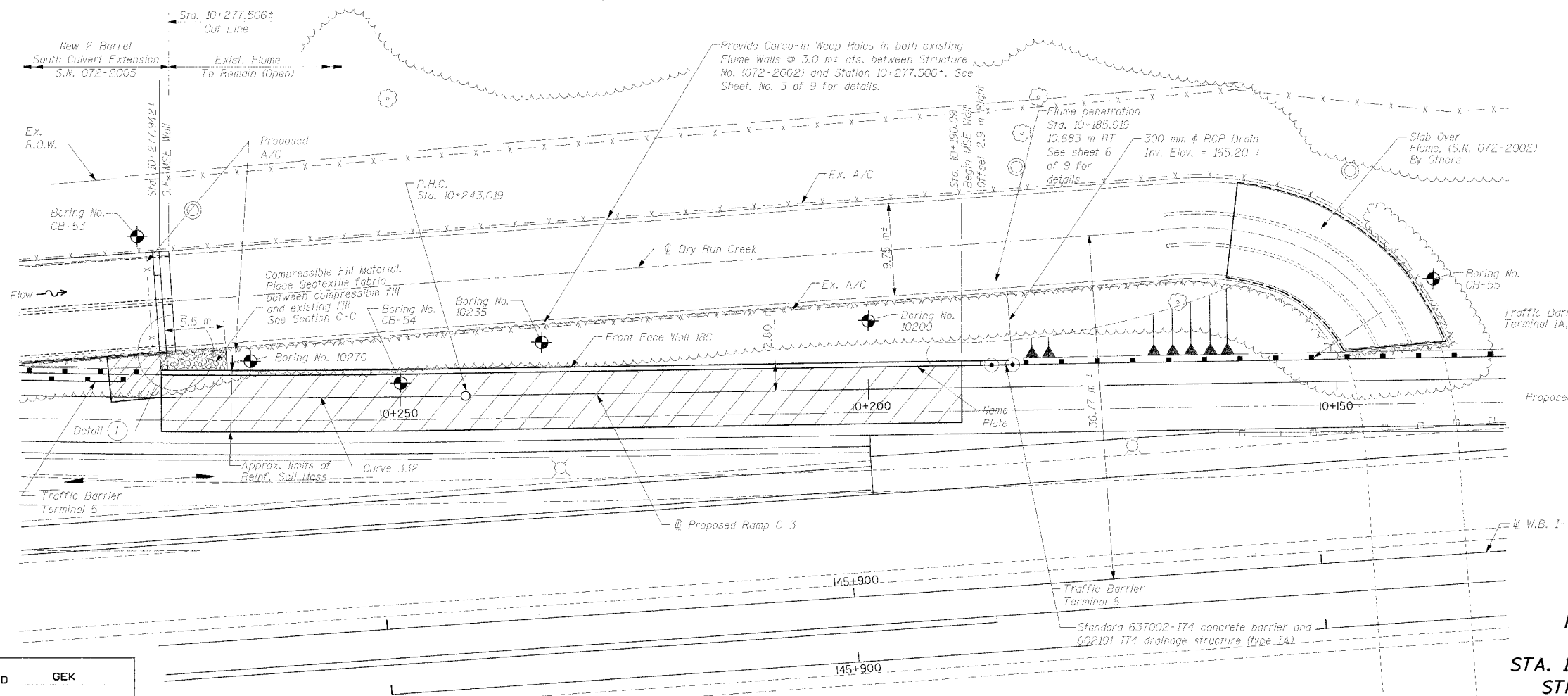


[Signature]

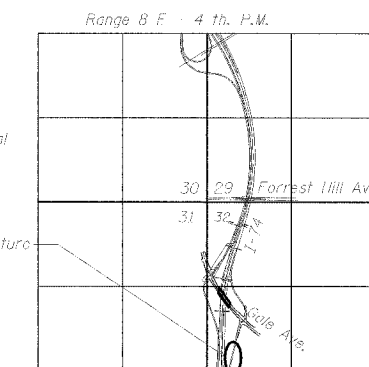
GERALD E. KOYLASS Date 1/7/05
ILLINOIS LICENSED STRUCTURAL ENGINEER NO. 5264
EXP. DATE: NOVEMBER 30, 2006



ELEVATION OF SOUTH MSE RETAINING WALL
(Looking West)



All dimensions are in millimeters (mm) unless noted otherwise.
See sheet 2 & 9 for Detail I.
See sheet 3 & 9 for Section AA.
See sheet 4 & 9 for Sections BB and CC.



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
- SOUTH MSE WALL
RAMP C-3 OVER DRY RUN CREEK
F.A.I. RTE 74(I-74) SECTION (72-7)R-3
PEORIA COUNTY
STA. 10+190.00 TO STA. 10+277.94 (RAMP C-3)
STRUCTURE NUMBER 072-8619 - WALL 18C

DESIGNED	GEK
CHECKED	
DRAWN	GEK
CHECKED	

PLAN



1116 Jefferson Ave.
Peoria, Illinois 61602
PH(309)676-8464
FAX(309)676-5445