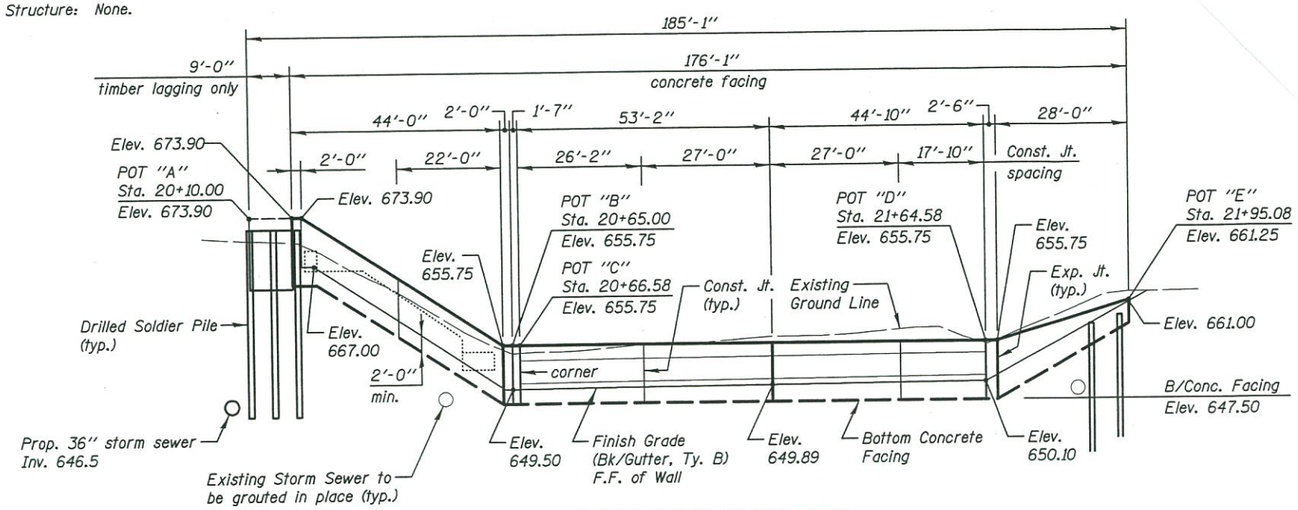
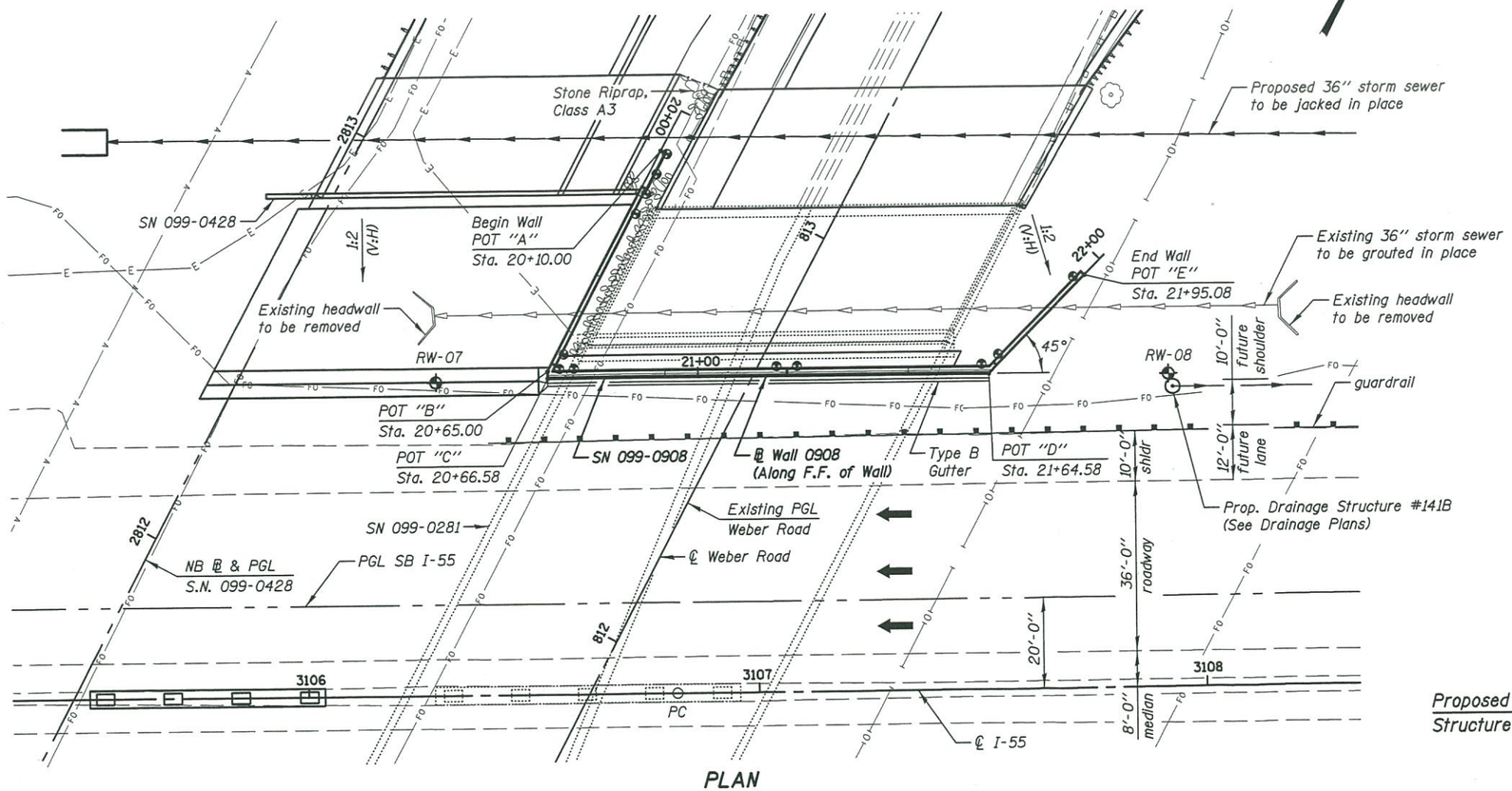
Bench Mark: BM Lin17 Chiseled "X" on south bolt of round light pole foundation between I-55 southbound and existing I-55 ramp to Weber Road
Mile marker 263.71 sign. Elev. 654.37

Existing Structure: None.



DEVELOPED ELEVATION

(Looking at F.F. of Wall)



PLAN

HIGHWAY CLASSIFICATION

F.A.P. Route 856 - Weber Road
Functional Class: Other Principal Arterial
ADT: 34,100 (2010); 52,000 (2040)
DHV: 5,200
ADTT: 8%
Design Speed: 35 mph
Posted Speed: 30 mph
Directional Distribution: 60:40

F.A.I. Route 55 - I-55
Functional Class: Interstate
ADT: 136,400 (2010); 146,000 (2040)
DHV: 8,040
ADTT: 12%
Design Speed: 70 mph
Posted Speed: 65 mph
Directional Distribution: 60:40

CURVE DATA

℄ I-55
Curve I-55-2
Δ = 5° 33' 40" (LT)
D = 0° 21' 17"
R = 16,149.49'
T = 784.36'
L = 1,567.49'
E = 19.04'
SE = normal crown
PC STA. 3106+81.93
PT STA. 3122+49.42
PI STA. 3114+66.30

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications,
Customary U.S. Units, 7th Edition with 2015 Interims

DESIGN STRESSES

FIELD UNITS

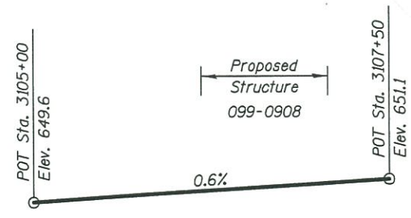
f'_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 50,000 psi (AASHTO M270 Gr. 50)

APPROVED

OCT 0 1 2015

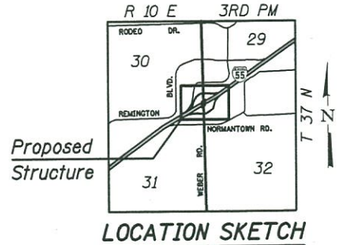
AS A BASIS FOR
PREPARATION OF DETAILED PLANS

℄ Wall 0908
(Offsets from ℄ I-55 and ℄ Weber Road to F.F. of wall)
POT "A"
Sta. 20+10.00 - ℄ Wall 0908 =
Sta. 3106+79.57, 119.67' Lt. - ℄ I-55
Sta. 813+00.74, 41.0' Lt. - ℄ Weber Road
POT "B"
Sta. 20+65.00 - ℄ Wall 0908 =
Sta. 3106+53.72, 71.13' Lt. - ℄ I-55
Sta. 812+45.74, 41.0' Lt. - ℄ Weber Road
POT "C"
Sta. 20+66.58 - ℄ Wall 0908 =
Sta. 3106+53.72, 69.54' Lt. - ℄ I-55
Sta. 812+44.34, 40.26' Lt. - ℄ Weber Road
POT "D"
Sta. 21+64.58 - ℄ Wall 0908 =
Sta. 3107+52.02, 69.41' Lt. - ℄ I-55
Sta. 812+90.42, 46.24' Rt. - ℄ Weber Road
POT "E"
Sta. 21+95.08 - ℄ Wall 0908 =
Sta. 3107+73.80, 90.87' Lt. - ℄ I-55
Sta. 813+19.59, 55.13' Rt. - ℄ Weber Road



I-55 S.B. - EXISTING PROFILE GRADE LINE

Legend
Soil Borings
F.F. Front Face
B.F. Back Face



LOCATION SKETCH

GENERAL PLAN & ELEVATION
WEBER ROAD
F.A.P. RTE. 856 SEC. (99-1HB-1) R-1
WILL COUNTY
STA. 3106+54 TO 3107+74
STRUCTURE NO. 099-0908

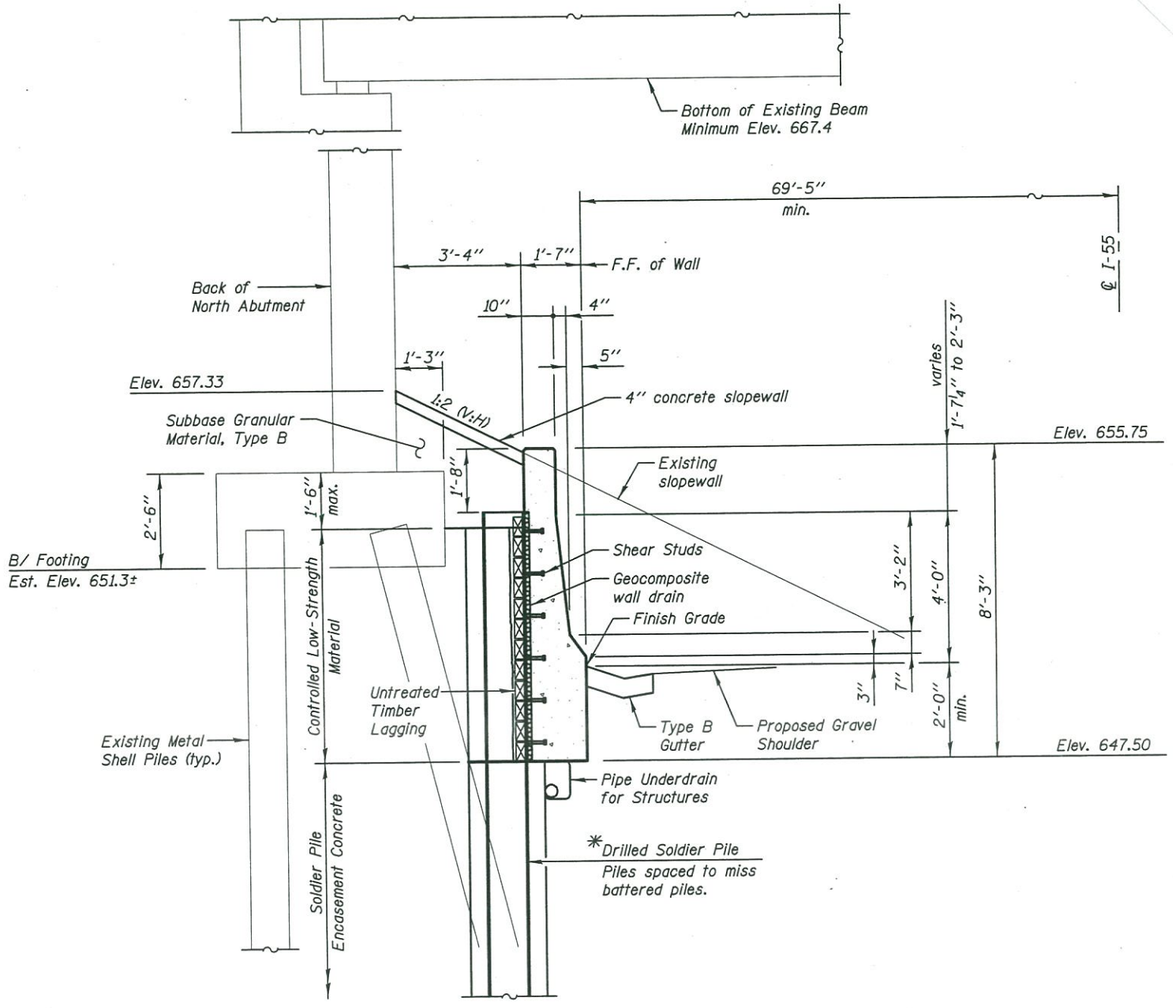
KNIGHT
Engineers & Architects

	DESIGNED - TB	REVISED	
	CHECKED - WPM	REVISED	
SCALE - NONE	DRAWN - TB	REVISED	
DATE - 9/14/2015	CHECKED - WPM	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

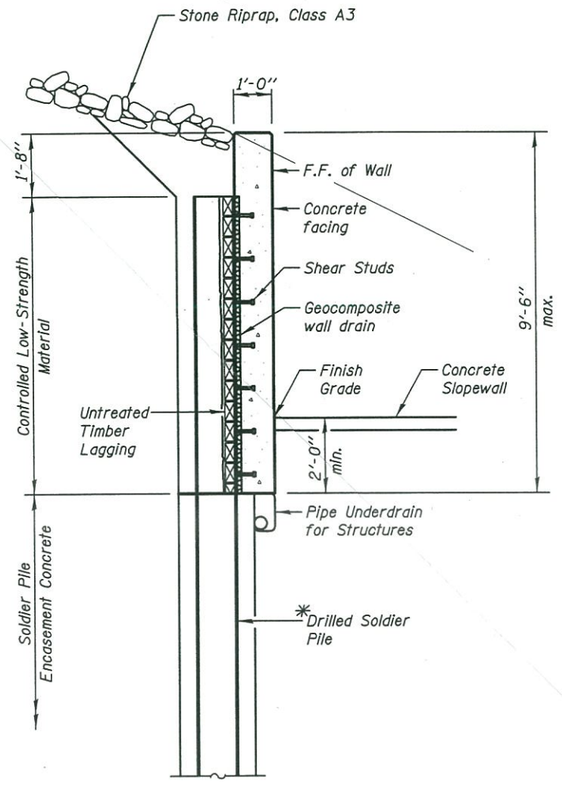
SHEET NO. 1 OF 2 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(99-1HB-1) R-1	WILL		
		CONTRACT NO. 60X10		
* FAI 55, FAP 856	ILLINOIS	FED. AID PROJECT		



TYPICAL WALL SECTION
Parallel to I-55
(Horiz. dim ℄ Rt. L's)

*Pile section, spacing, shaft diameter, and tip elevation to be determined during final design.

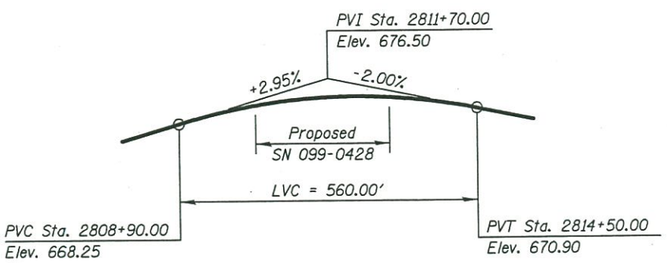


TYPICAL WALL SECTION
Parallel/Skewed to Weber Road
(Horiz. dim ℄ Rt. L's)

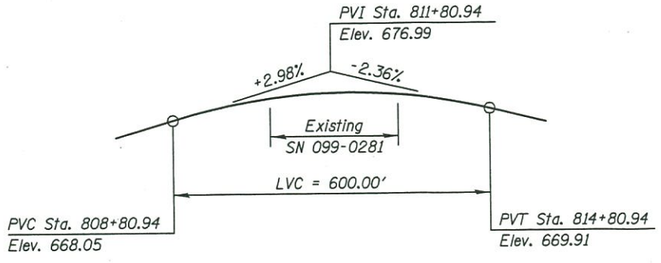
APPROVED

OCT 0 1 2015

AS A BASIS FOR
PREPARATION OF DETAILED PLANS



℄ NORTHBOUND WEBER ROAD - PROPOSED PROFILE GRADE LINE



℄ WEBER ROAD - EXISTING PROFILE GRADE LINE

Suggested Sequence of Construction

1. Remove existing slopewall
2. Excavate in front of existing abutment 1'-6" (max.) below top of footing. Estimated B/excavation Elev. 652.3±.
3. Auger holes for soldier pile wall under bridge.
4. Construct wall.

DETAILS
WEBER ROAD
F.A.P. RTE. 856 SEC. (99-1HB-1) R-1
WILL COUNTY
STA. 3106+54 TO 3107+74
STRUCTURE NO. 099-0908

KNIGHT
Engineers & Architects

	DESIGNED - TB	REVISED	
	CHECKED - WPM	REVISED	
SCALE - NONE	DRAWN - TB	REVISED	
DATE - 9/14/2015	CHECKED - WPM	REVISED	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 2 OF 2 SHEETS

F.A.I/P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(99-1HB-1) R-1	WILL		
		CONTRACT NO. 60X10		

* FAI 55, FAP 856 | ILLINOIS | FED. AID PROJECT