ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 0525	*	WINNEBAGO	157	90
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. 33
50 SHEETS

* 02-00518-00-BR

Bar Splicer (E) for #5 bars at 12" cts. See Section thru Abutment.

PGL Eastbound Harrison Avenue

12" ϕ Sleeve for 8" ϕ D.I. Pipe. Fill gap between sleeve and pipe with non-shrink grout. See Collector Pipe Details on Sheet 21 of 50.

62-#4 v_{111}(E) bars at 12" cts. B.F.
62-#4 v_{113}(E) bars at 12" cts. E.F.
62-#5 v_{110}(E) bars at 12" cts. B.F.

Dimensions along Back of Abutment

*Elevations are at F.F. of Backwall

Elev. 809.12 / Elev. 807.62 / Elev. 809.00* / Elev. 808.52* / Elev. 807.93* / Elev. 807.89* / Elev. 807.89* / Elev. 806.05

2x2-#6 h_{115}(E) bars E.F. See Sec. Thru Abut.

1x2-#5 h_{110}(E)

3x2-#5 h_{110}(E) bars E.F.

5-pairs #5 h_{111}(E) bars

5-pairs #5 h_{112}(E) bars

4'-6 3/8" / 5-#6 u_{111}(E) bars

31-#5 s_{112}(E) bars at 12' cts.

2 7/8" / 3 3/8" / 3 3/4" / 2 3/8"

Elev. 804.51 / Elev. 804.27 / Elev. 803.99 / Elev. 803.68 / Elev. 803.48

s_{110}(E) / 5-#5 p_{113}(E) bars / 5-#5 p_{114}(E) bars / #5 s_{113}(E)

4-#6 u_{110}(E) bars

3'-6" / 10" / 3'-0"

8 1/2" / 6-#5 s_{110}(E) at 11" cts. (Typ. btwn piles) / 8 1/2"

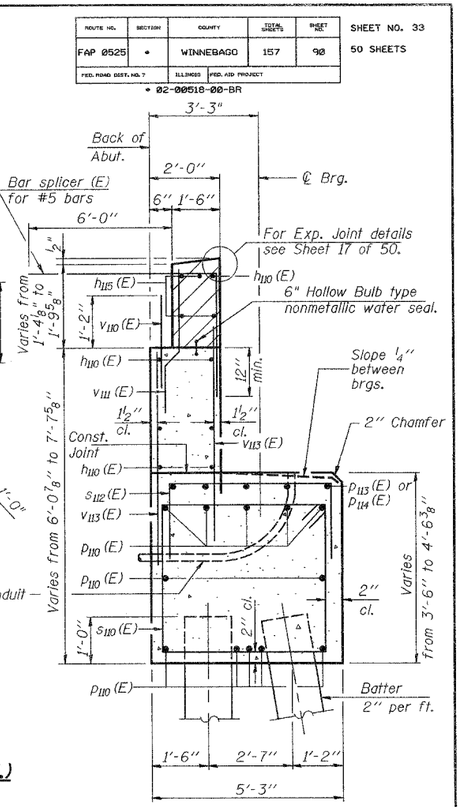
12x2-#7 p_{110}(E) bars See Sec. Thru Abut.

Elev. 799.98 (Level)

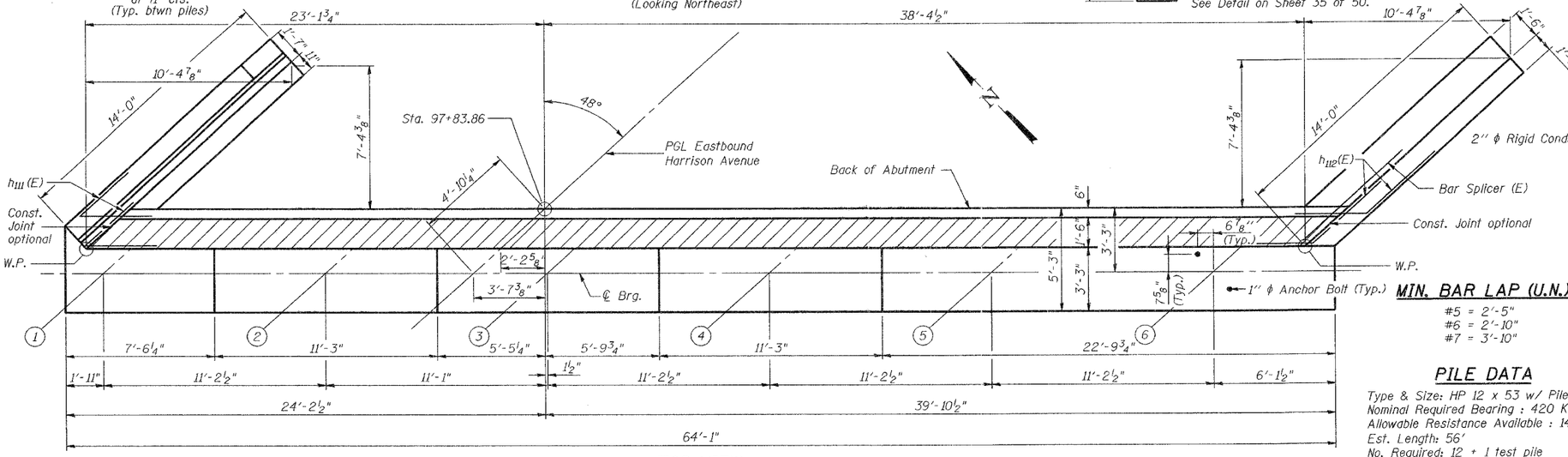
2-#5 s_{110}(E)

Concrete Encasement (Typ. Each Pile) See Detail on Sheet 35 of 50.

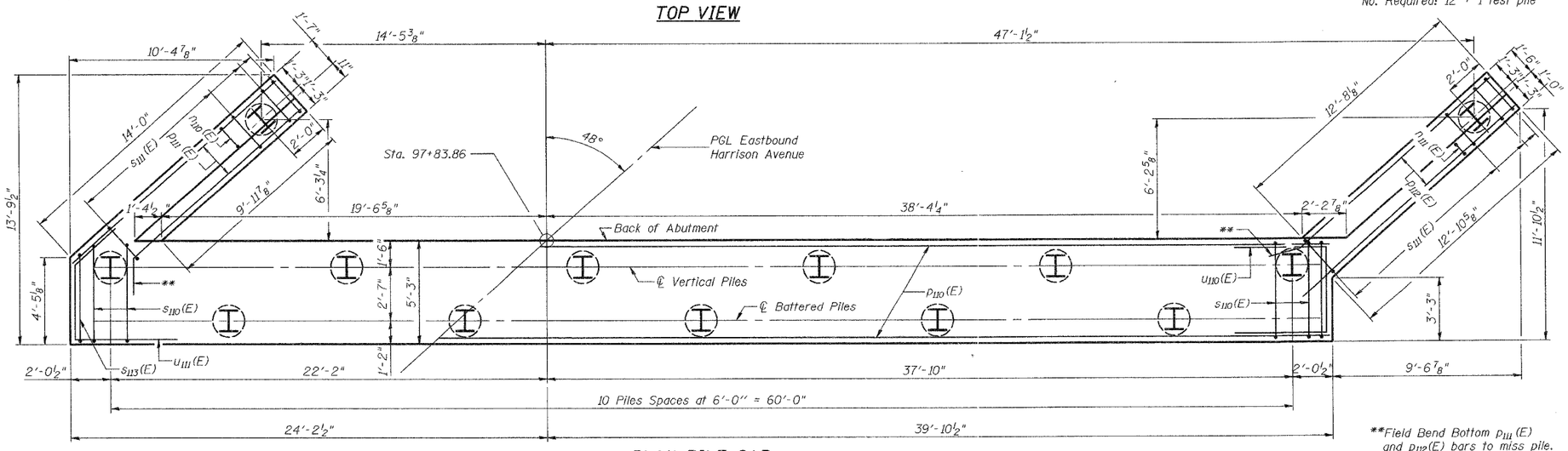
ELEVATION
(Looking Northeast)



SEC. THRU ABUT.
(Dimensions at Right Angles)



TOP VIEW



PLAN-PILE CAP

**Field Bend Bottom p_{111}(E) and p_{112}(E) bars to miss pile.

MIN. BAR LAP (U.N.)

#5 = 2'-5"
#6 = 2'-10"
#7 = 3'-10"

PILE DATA

Type & Size: HP 12 x 53 w/ Pile Shoes
Nominal Required Bearing : 420 Kips
Allowable Resistance Available : 140 Kips
Est. Length: 56'
No. Required: 12 + 1 test pile

NOTES

Hatched area to be poured after superstructure forms have been removed. Quantity of concrete included with Concrete Superstructure.

Space reinforcement in cap to miss anchor bolts.

Pour steps monolithically with cap.

Reinforcement bars designated (E) shall be epoxy coated.

Quantity of concrete in end post included with Concrete Superstructure.

Work this Sheet with Sheets 34 & 35 of 50.

Bars indicated thus 4x2-#5 etc. indicate 4 lines of bars with 2 lengths per line.

All edges will have 3/4" chamfer unless noted.

For details of Bar Splicers see Sheet 44 of 50.

B.F. denotes Back Face.

F.F. denotes Front Face.

E.F. denoted Each Face.

Corporate License Number 184-001-084

EAST ABUTMENT

EASTBOUND HARRISON AVENUE
OVER UP & CC&P RAILROAD
F.A.P. ROUTE 0525
SECTION 02-00518-00-BR
ROCKFORD, ILLINOIS
STATION 95+72.00
STRUCTURE NO. 101-6111

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HANSON

JOB NO. 03R1751

DATE 12/14/06

LAYOUT	JKR/SMK	06/01/06
DRAWN	MDH/JKR	08/22/06
REVIEWED	JKR	08/22/06

10:04:41 AM
12/13/2006, ROD: AM
I:\03Jobs\03R1751\Struct\Sheet\East Bound\S-033-EB-EastAbutPlan1.dgn