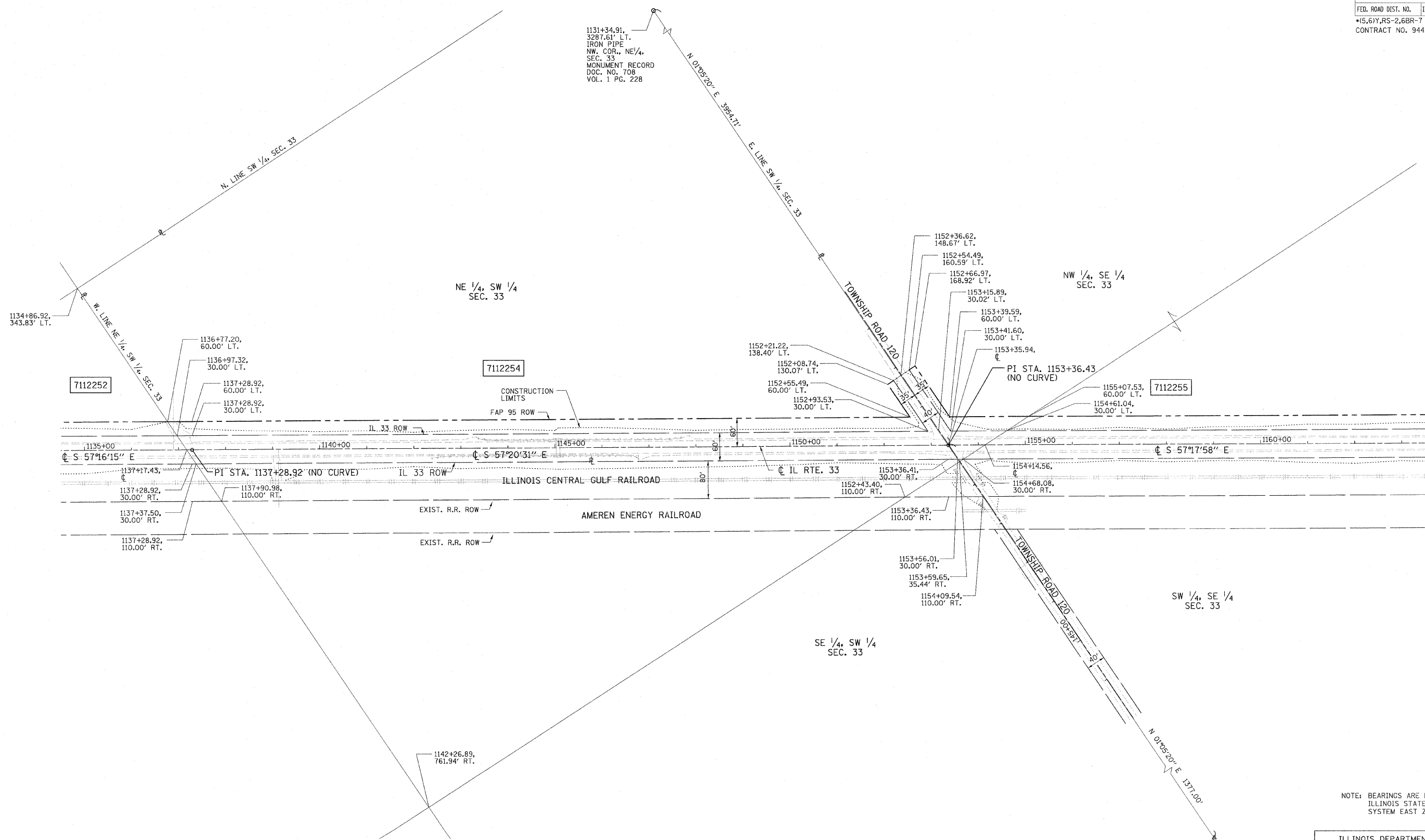
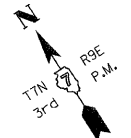


T. 7 N., R. 9 E. 3rd PM WADE TWP.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	201
STA. 1136+77.20 TO STA. 1153+56.01		FED. AID PROJECT		
* (5,6)Y, RS-2, 6BR-7		CONTRACT NO. 94437		

NAME	DATE	REVISION
BISHOP	06/15/05	PRELIMINARY SUBMITTAL
BISHOP	12/01/05	PER IDOT COMMENTS
BOTT	02/04/08	PER IDOT COMMENTS



FILENAME: J:\0256\DRAWINGS\ACTIVE R.O.W\ROWPLAN21P.ev.dgn
 PLOT DATE: 8/23/2011 2:04:42 PM

DRAWN BY BISHOP
 WRITTEN BY EMRICK
 CHECKED BY BOTT
 INSPECTED BY

CONTRACT NO. 94437
 FIELD BOOK NO. ----
 (R) RECORDED DISTANCE
 ● - IRON PIN
 ■ - BRASS MONUMENT
 □ - ROW MARKER
 ○ - CONCRETE MONUMENT
 ○ - STEEL POST
 ○ - IRON PIPE
 ○ - CONCRETE POST
 ○ - NAIL
 ▲ - TEMP. CONST. EASEMENT
 --- - PERM. EASEMENT

UTILITIES:
 TELEPHONE - CHARTER COMMUNICATIONS
 VERIZON NORTH, INC. MCI
 GAS - AMEREN CIPS
 ELECTRICITY - AMEREN CIPS
 NORRIS ELECTRIC COOP
 WATER - CITY OF NEWTON

PARCEL	OWNER	AREA TAKEN		EASEMENT	REM. AREA	INST	RECORDED				EXCESS	
		ADD	EXIST.				MICRO FILM NO.	DATE	BOOK	PAGE	AREA	SOLD
7112254	LAURENCE E. BEAM	1.1300 AC	2.2875 AC	-	23.58 AC	-	-	-	-	-	-	-

ILLINOIS DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y, RS-2, 6BR-7
 JASPER COUNTY
 JOB NO. R-97-012-01
 STA. 1136+77.20 TO STA. 1153+56.01

SCALE: 1" = 100'

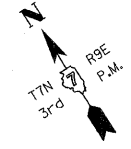
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 7

SHEET 23 OF 33

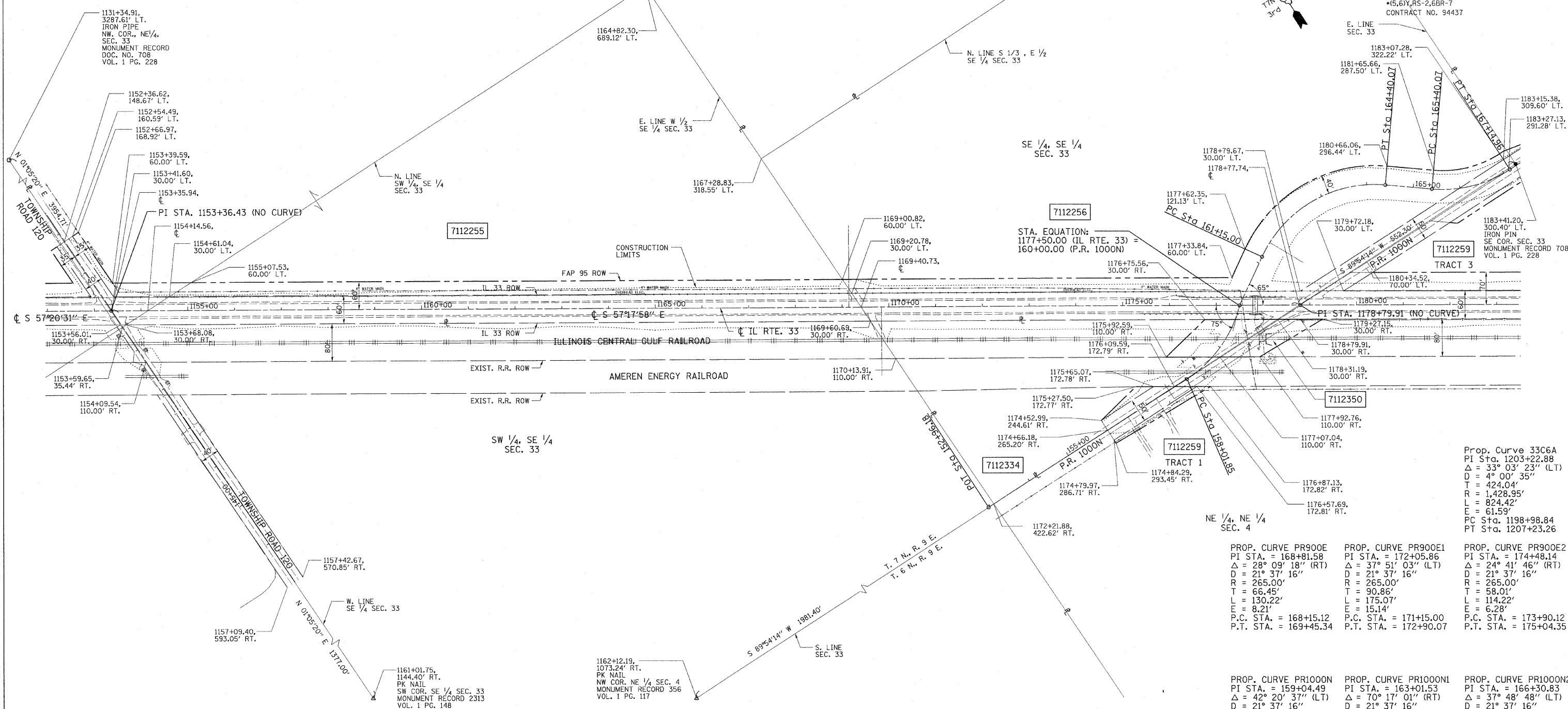
JOB NO. R-97-012-01

T. 7 N., R. 9 E. 3rd PM WADE TWP.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	202
STA. 1152+36.62 TO STA. 1183+41.20				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*(5,6)Y,RS-2,6BR-7				
CONTRACT NO. 94437				



NAME	DATE	REVISION
BISHOP	06/15/05	PRELIMINARY SUBMITTAL
BISHOP	12/01/05	PER IDOT COMMENTS
BOTT	02/04/08	PER IDOT COMMENTS
HUPP	03/11/11	PER IDOT COMMENTS



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DRAWN BY: BISHOP
 WRITTEN BY: ENRICK
 CHECKED BY: BOTT
 INSPECTED BY:

CONTRACT NO. 94437
 FIELD BOOK NO. ----
 (R) RECORDED DISTANCE

UTILITIES:
 TELEPHONE - CHARTER COMMUNICATIONS
 VERIZON NORTH, INC. MCI
 GAS - AMAREN CIPS
 ELECTRICITY - AMAREN CIPS
 NORRIS ELECTRIC COOP
 WATER - CITY OF NEWTON

PARCEL	OWNER	AREA TAKEN		EASEMENT	REM. AREA	INST	RECORDED				EXCESS	
		ADD	EXIST.				MICRO FILM NO.	DATE	BOOK	PAGE	AREA	SOLD
7112255	RAYMOND W. BURTON, et. al.	1.1310 AC	2.2842 AC	-	47.38 AC	-	-	-	-	-	-	-
7112256	Lo DONNE MITCHELL	2.3188 AC	1.7494 AC	-	100.93 AC	-	-	-	-	-	-	-
7112334	DAVID BROCK WEBSTER	0.0310 AC	0.0846 AC	-	0.52 AC	-	-	-	-	-	-	-
7112259	F. CLARREAN BROOKS	0.9539 AC	2.1529 AC	-	57.98 AC	-	-	-	-	-	-	-
	TRACT 1	0.0602 AC	0.1129 AC	-		-	-	-	-	-	-	-
	TRACT 2	0.0589 AC	0.1251 AC	-		-	-	-	-	-	-	-
7112350	ILLINOIS CENTRAL GULF RAILROAD			0.4149 AC		-	-	-	-	-	-	-

NOTE: BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE DATUM OF 1983.

ILLINOIS DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y, RS-2, 6BR-7
 JASPER COUNTY
 JOB NO. R-97-012-01
 STA. 1152+36.62 TO STA. 1183+41.20

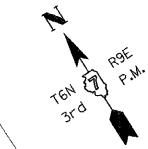
SCALE: 1" = 100'

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 7

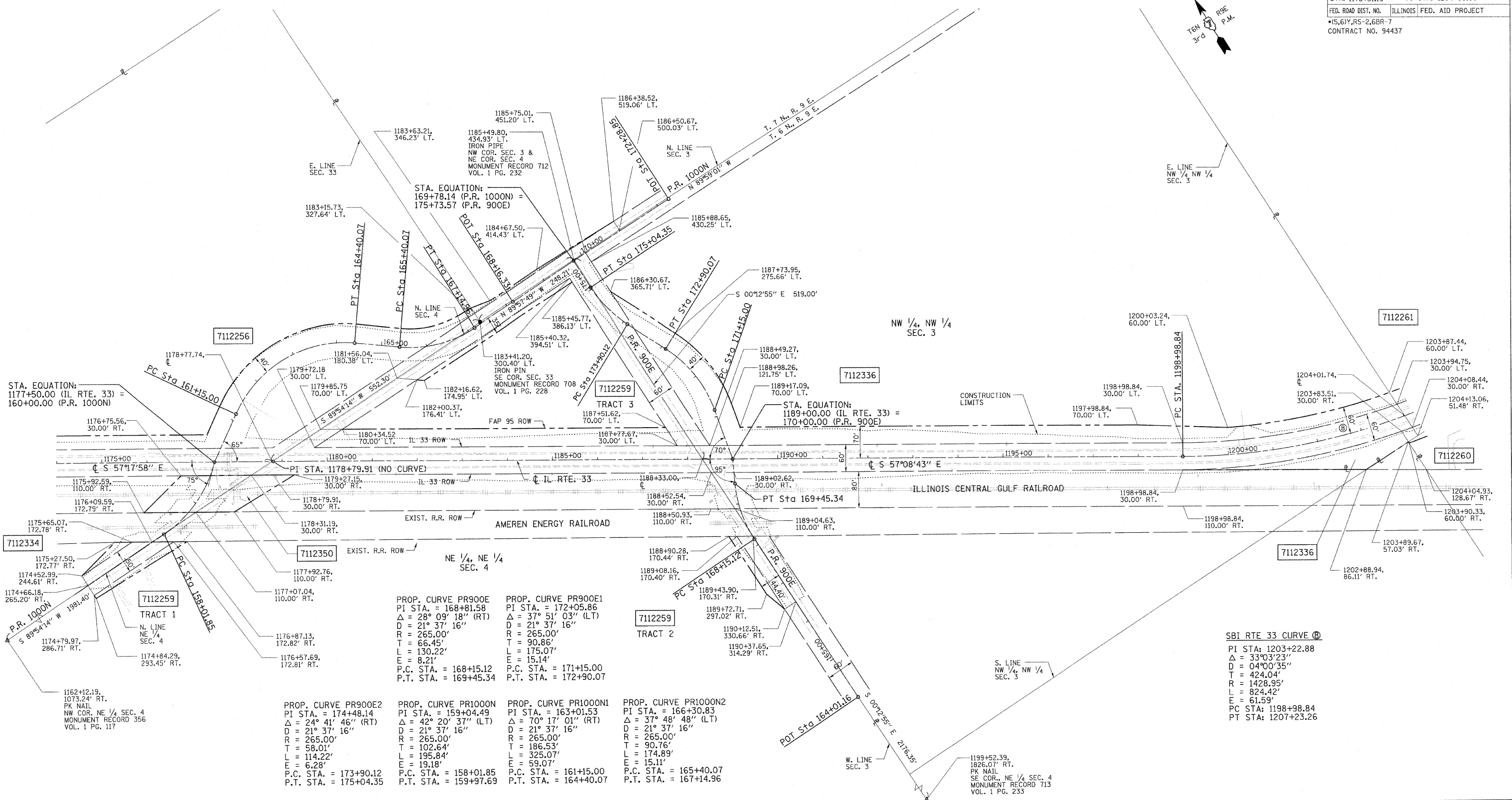
JOB NO. R-97-012-01

T. 6 N., R. 9 E. 3rd PM WADE TWP.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	203
STA. 1178+31.19		TO STA. 1204+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(5,6)Y,RS-2,6BR-7				
CONTRACT NO. 94437				



NAME	DATE	REVISION
BISHOP	06/15/05	PRELIMINARY SUBMITTAL
BISHOP	12/01/05	PER IDOT COMMENTS
BOTT	02/04/08	PER IDOT COMMENTS
BOTT	10/07/08	PER IDOT COMMENTS



STA. EQUATION:
1177+50.00 (IL RTE. 33) =
160+00.00 (P.R. 1000N)

STA. EQUATION:
1189+00.00 (IL RTE. 33) =
170+00.00 (P.R. 900E)

PROP. CURVE PR900E
PI STA. = 168+81.58
Δ = 28° 09' 18" (RT)
D = 21° 37' 16"
R = 265.00'
T = 66.45'
L = 130.22'
E = 8.21'
P.C. STA. = 168+15.12
P.T. STA. = 169+45.34

PROP. CURVE PR900E1
PI STA. = 172+05.86
Δ = 37° 51' 03" (LT)
D = 21° 37' 16"
R = 265.00'
T = 90.86'
L = 175.07'
E = 15.14'
P.C. STA. = 171+15.00
P.T. STA. = 172+90.07

PROP. CURVE PR900E2
PI STA. = 174+48.14
Δ = 24° 41' 46" (RT)
D = 21° 37' 16"
R = 265.00'
T = 58.01'
L = 114.22'
E = 6.28'
P.C. STA. = 173+90.12
P.T. STA. = 175+04.35

PROP. CURVE PR1000N
PI STA. = 159+04.49
Δ = 42° 20' 37" (LT)
D = 21° 37' 16"
R = 265.00'
T = 102.64'
L = 195.84'
E = 19.18'
P.C. STA. = 158+01.85
P.T. STA. = 159+97.69

PROP. CURVE PR1000N1
PI STA. = 163+01.53
Δ = 70° 17' 01" (RT)
D = 21° 37' 16"
R = 265.00'
T = 186.53'
L = 325.07'
E = 59.07'
P.C. STA. = 161+15.00
P.T. STA. = 164+40.07

PROP. CURVE PR1000N2
PI STA. = 166+30.83
Δ = 37° 48' 48" (LT)
D = 21° 37' 16"
R = 265.00'
T = 90.76'
L = 174.89'
E = 15.11'
P.C. STA. = 165+40.07
P.T. STA. = 167+14.96

SBI RTE 33 CURVE C
PI STA: 1203+22.88
Δ = 33° 03' 23"
D = 04° 00' 35"
T = 424.04'
R = 1428.95'
L = 824.42'
E = 61.59'
PC STA: 1198+98.84
PT STA: 1207+23.26

CONTRACT NO. 94437
FIELD BOOK NO. ----
(R) RECORDED DISTANCE
● - IRON PIN
■ - BRASS MONUMENT
□ - ROW MARKER
○ - CONCRETE MONUMENT
○ - STEEL POST
○ - IRON PIPE
○ - CONCRETE POST
▲ - RAILROAD SPIKE
▲ - NAIL
--- - TEMP. CONST.
--- - EASEMENT
--- - PERM. EASEMENT

UTILITIES:
TELEPHONE - CHARTER COMMUNICATIONS
VERIZON NORTH, INC. MCI
GAS - AMEREN CIPS
ELECTRICITY - AMEREN CIPS
NORRIS ELECTRIC COOP
WATER - CITY OF NEWTON

PARCEL	OWNER	AREA TAKEN		EASEMENT	REM. AREA	INST	RECORDED				EXCESS	
		ADD	EXIST.				MICRO FILM NO.	DATE	BOOK	PAGE	AREA	SOLD
7112259	F. CLARREAN BROOKS	0.9539 AC	2.1529 AC									
	TRACT 1	0.0602 AC	0.1129 AC		57.98 AC							
	TRACT 2	0.0589 AC	0.1251 AC									
	TRACT 3	0.8348 AC	1.9149 AC									
7112336	F. CLARREAN BROOKS	2.1902 AC	2.5003 AC		47.32 AC							

NOTE: BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE DATUM OF 1983.

ILLINOIS DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN
FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y, RS-2, 6BR-7
JASPER COUNTY
JOB NO. R-97-012-01
STA. 1178+31.19 TO STA. 1204+00

100' 0 100' 200'
SCALE: 1" = 100'

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 7

SHEET 25 OF 33

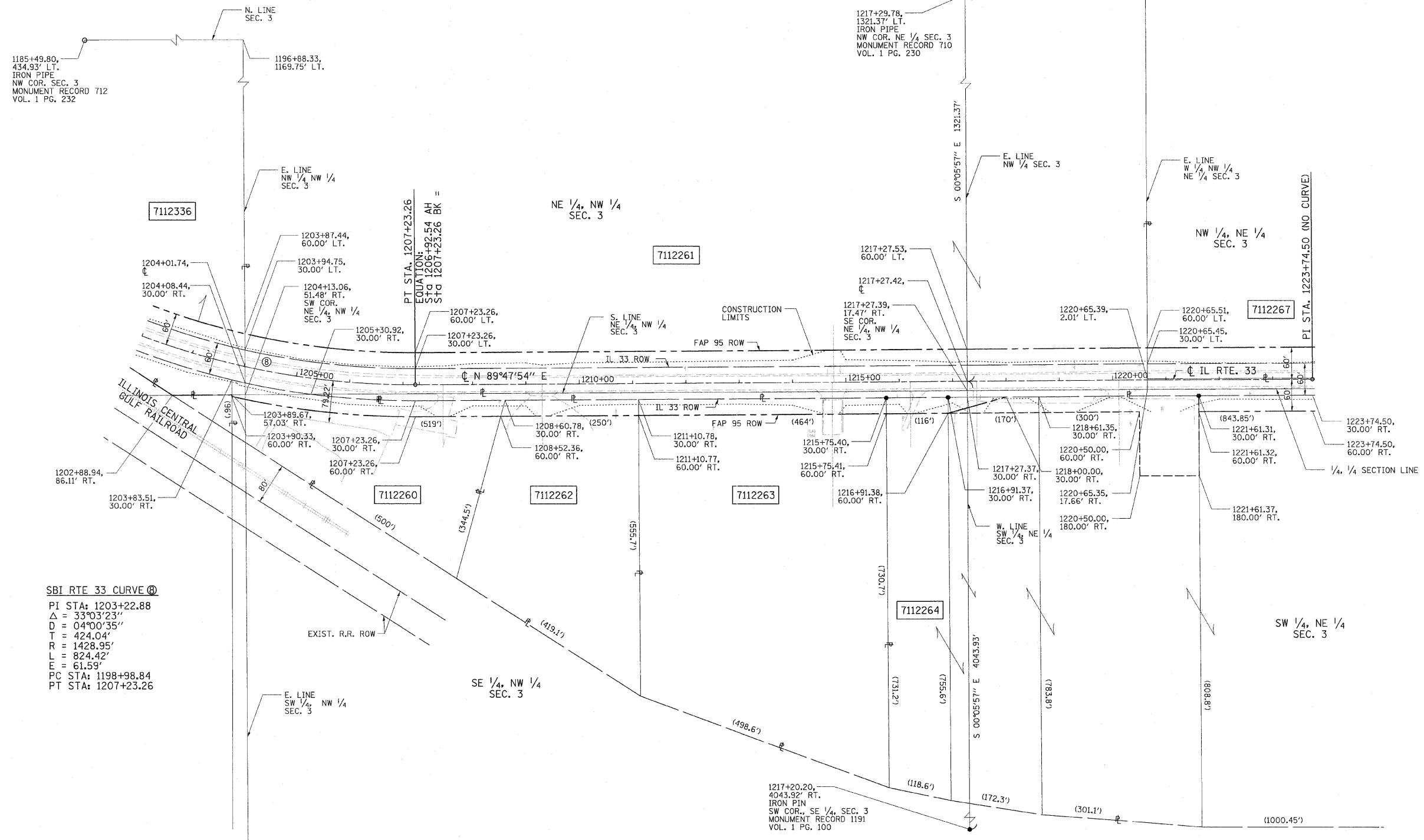
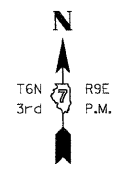
JOB NO. R-97-012-01

T. 6 N., R. 9 E. 3rd PM WADE TWP.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	204
STA. 1203+83.51		TO STA. 1223+74.50		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*5,6Y,RS-2,6BR-7		CONTRACT NO. 94437		

NAME	DATE	REVISION
BISHOP	06/15/05	PRELIMINARY SUBMITTAL
BISHOP	12/01/05	PER IDOT COMMENTS
BOTT	02/04/08	PER IDOT COMMENTS
BOTT	03/06/08	PER IDOT COMMENTS
BOTT	11/16/09	PER IDOT COMMENTS

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 PLOT DATE: 8/23/2011 2:01:58 PM



SBI RTE 33 CURVE
 PI STA: 1203+22.88
 Δ = 33°03'23"
 D = 04°00'35"
 T = 424.04'
 R = 1428.95'
 L = 824.42'
 E = 61.59'
 PC STA: 1198+98.84
 PT STA: 1207+23.26

PARCEL	OWNER	AREA TAKEN		EASEMENT	REM. AREA	INST	RECORDED				EXCESS	
		ADD	EXIST.				MICRO FILM NO.	DATE	BOOK	PAGE	AREA	SOLD
7112260	NEWTON THERMOGAS CO.	0.3519 AC	0.0000 AC	-	2.36 AC	-	-	-	-	-	-	-
7112261	ADA CLARICE BAYSE, et. al.	1.1956 AC	1.8937 AC	-	46.91 AC	-	-	-	-	-	-	-
7112262	RICH-LAW SERVICE CO.	0.1751 AC	0.0000 AC	-	2.98 AC	-	-	-	-	-	-	-
7112263	NEWTON IMPLEMENT CO.	0.3200 AC	0.0000 AC	-	6.68 AC	-	-	-	-	-	-	-
7112264	P.A. PIPE INC.	0.7223 AC	0.0000 AC	0.5930 AC	28.15 AC	-	-	-	-	-	-	-
	TRACT 1	0.1173 AC	0.0000 AC									
	TRACT 2	0.6050 AC	0.0000 AC									

CONTRACT NO. 94437

- FIELD BOOK NO. ----
 (R) RECORDED DISTANCE
- - IRON PIN
 - - BRASS MONUMENT
 - - ROW MARKER
 - ▣ - CONCRETE MONUMENT
 - - STEEL POST
 - ⊙ - IRON PIPE
 - ⊕ - CONCRETE POST
 - ▲ - RAILROAD SPIKE
 - △ - NAIL
 - - TEMP. CONST. EASEMENT
 - - - - PERM. EASEMENT

UTILITIES:
 TELEPHONE - VERIZON NORTH, INC.
 GAS - AMEREN CIPS
 HARTER COMMUNICATIONS
 ELECTRICITY - AMEREN CIPS
 WATER - CITY OF NEWTON
 T.V. CABLE -

NOTE: BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE DATUM OF 1983.

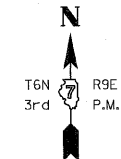
ILLINOIS DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y, RS-2, 6BR-7
 JASPER COUNTY
 JOB NO. R-97-012-01
 STA. 1203+83.51 TO STA. 1223+74.50

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 7

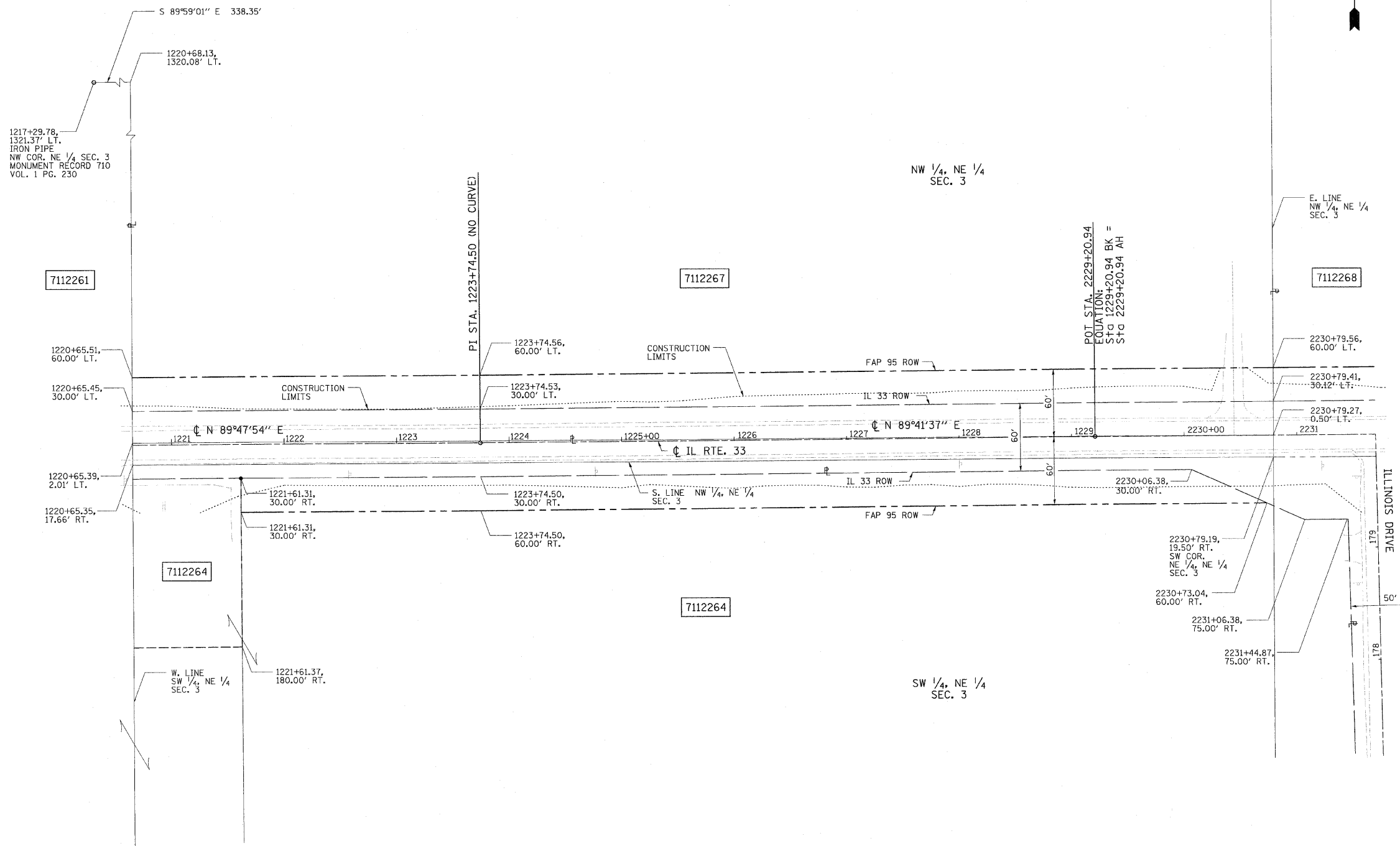
JOB NO. R-97-012-01

T. 6 N., R. 9 E. 3rd PM WADE TWP.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	205
STA. 1220+65.39 TO STA. 2231+44.87		ILLINOIS FED. AID PROJECT		
* (5,6)Y, RS-2, 6BR-7		CONTRACT NO. 94437		



REVISION	DATE	NAME
PRELIMINARY SUBMITTAL	06/15/05	BISHOP
PER IDOT COMMENTS	12/01/05	BISHOP
PER IDOT COMMENTS	02/04/08	BOIT
PER IDOT COMMENTS	03/06/08	BOIT



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DRAWN BY: BISHOP
 WRITTEN BY: EMRICK
 CHECKED BY: BOIT
 INSPECTED BY:

CONTRACT NO. 94437
 FIELD BOOK NO. ---
 (R) RECORDED DISTANCE
 ● IRON PIN
 ■ BRASS MONUMENT
 □ ROW MARKER
 ○ CONCRETE MONUMENT
 ⊙ STEEL POST
 ⊙ IRON PIPE
 ⊙ CONCRETE POST
 ▲ RAILROAD SPIKE
 ▲ NAIL
 --- TEMP. CONST. EASEMENT
 - - - PERM. EASEMENT

UTILITIES:
 TELEPHONE - VERIZON NORTH, INC.
 GAS - AMEREN CIPS
 HARTER COMMUNICATIONS
 ELECTRICITY - AMEREN CIPS
 WATER - CITY OF NEWTON
 T.V. CABLE -

PARCEL	OWNER	AREA TAKEN		EASEMENT	REM. AREA	INST	RECORDED				EXCESS	
		ADD	EXIST.				MICRO FILM NO.	DATE	BOOK	PAGE	AREA	SOLD
7112264	P.A. PIPE INC.	0.7223 AC	0.0000 AC	0.5930 AC	28.15 AC	-	-	-	-	-	-	-
	TRACT 1	0.1173 AC	0.0000 AC									
	TRACT 2	0.6050 AC	0.0000 AC									
7112267	NINE WONDERS RESOURCES	0.6974 AC	0.6770 AC	-	23.19 AC	-	-	-	-	-	-	-

NOTE: BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE DATUM OF 1983.

ILLINOIS DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y, RS-2, 6BR-7
 JASPER COUNTY
 JOB NO. R-97-012-01
 STA. 1220+65.39 TO STA. 2231+44.87

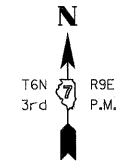
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 7

JOB NO. R-97-012-01

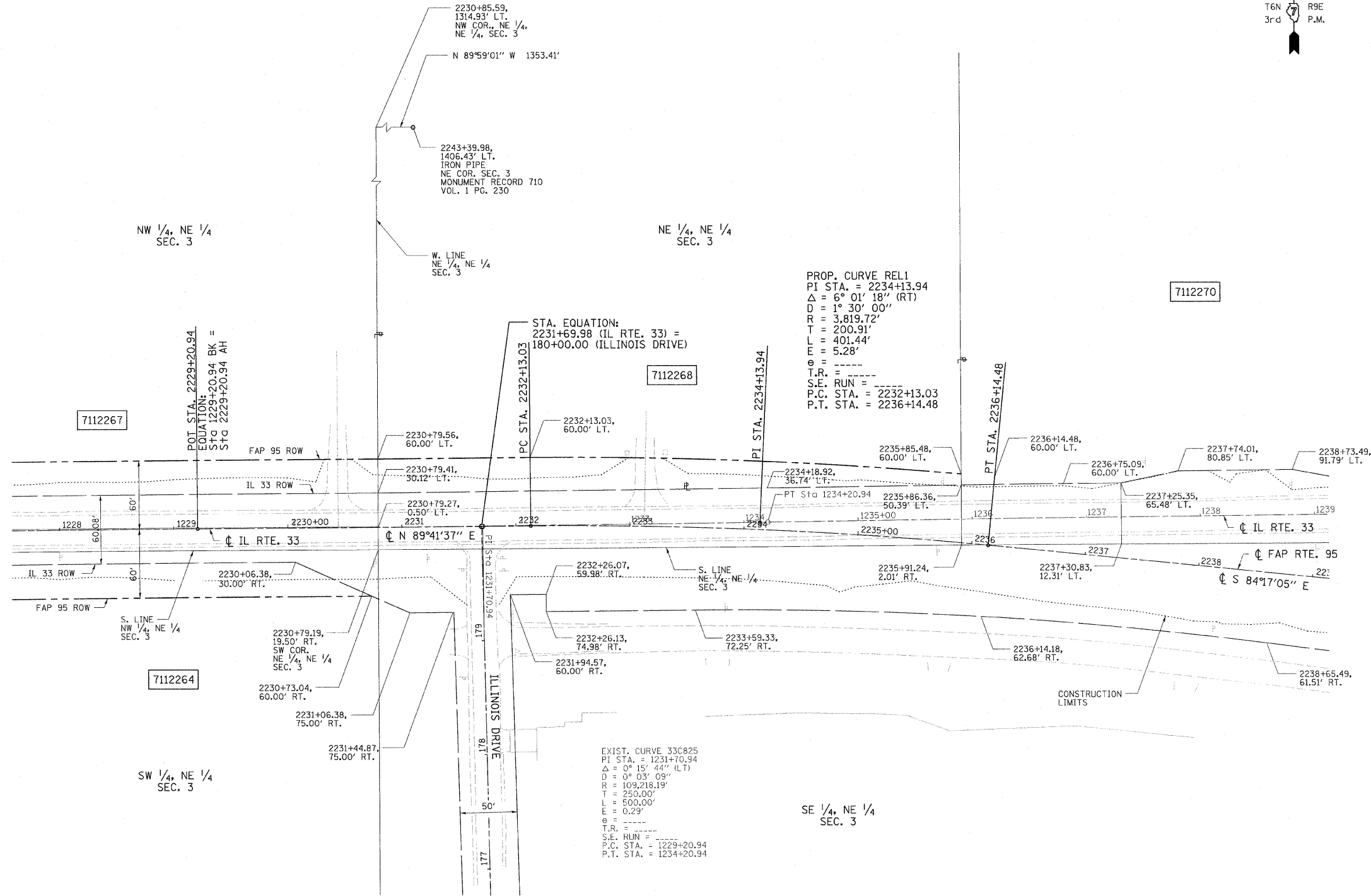
PLOT DATE: *DATE-TIME*

T. 6 N., R. 9 E. 3rd PM WADE TWP.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	206
STA. 2230+79.27		TO STA. 2237+30.83		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(5,6)Y,RS-2,6BR-7		CONTRACT NO. 94437		



NAME	DATE	REVISION
BISHOP	06/15/05	PRELIMINARY SUBMITTAL
BISHOP	12/01/05	PER IDOT COMMENTS
BOTT	02/04/08	PER IDOT COMMENTS
BOTT	03/06/08	PER IDOT COMMENTS



FILENAME: J:\0266.DRAWINGS\ACTIVE R.O.W\ROWPLAN26rev.dgn
PLOT DATE: 8/23/2011 2:05:41PM

CONTRACT NO. 94437

FIELD BOOK NO. ---

(R) RECORDED DISTANCE

- - IRON PIN
- - BRASS MONUMENT
- - ROW MARKER
- - CONCRETE MONUMENT
- - STEEL POST
- - IRON PIPE
- - CONCRETE POST
- ▲ - RAILROAD SPIKE
- ▲ - NAIL
- - TEMP. CONST. EASEMENT
- - PERM. EASEMENT

UTILITIES:

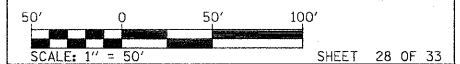
- TELEPHONE - VERIZON NORTH, INC.
- GAS - AMEREN CIPS
- HARTER COMMUNICATIONS
- ELECTRICITY - AMEREN CIPS
- EASEMENT
- WATER - CITY OF NEWTON
- T.V. CABLE -

PARCEL	OWNER	AREA TAKEN		EASEMENT	REM. AREA	INST	RECORDED				EXCESS	
		ADD	EXIST.				MICRO FILM NO.	DATE	BOOK	PAGE	AREA	SOLD
7112268	WESTLAWN MEMORIAL PARK, INC.	0.2887 AC	0.0000 AC	-	9.70 AC	-	-	-	-	-	-	-

NOTE: BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE DATUM OF 1983.

ILLINOIS DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y, RS-2, 6BR-7
JASPER COUNTY
JOB NO. R-97-012-01
STA. 2230+79.27 TO STA. 2237+30.83



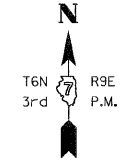
ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS/DISTRICT 7

SHEET 1 OF 33 IS A COVER SHEET AND IS NOT RECORDED

PLOT DATE: *DATE-TIME*

T. 6 N., R. 9 E. 3rd PM WADE TWP.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	207
STA. 2237+00.00		TO STA. 1247+50.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(5,6)Y,RS-2,6BR-7		CONTRACT NO. 94437		

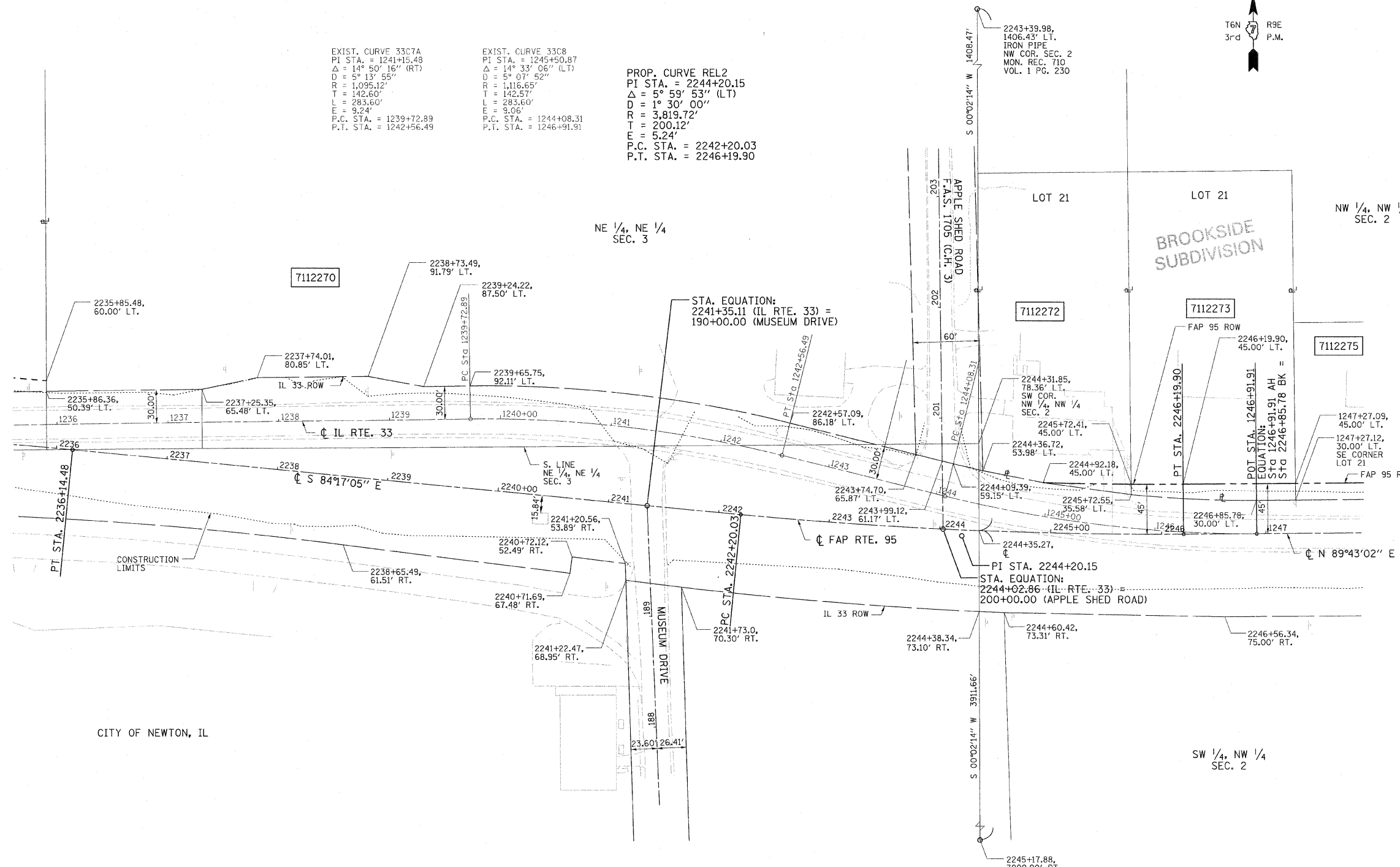


NAME	DATE	REVISION
BISHOP	06/15/05	PRELIMINARY SUBMITTAL
BISHOP	12/01/05	PER IDOT COMMENTS
BOTT	02/04/08	PER IDOT COMMENTS
BOTT	03/06/08	PER IDOT COMMENTS

EXIST. CURVE 33C7A
 PI STA. = 1241+15.48
 Δ = 14° 50' 16" (RT)
 D = 5° 13' 55"
 R = 1,095.12'
 T = 142.50'
 L = 283.60'
 E = 9.24'
 P.C. STA. = 1239+72.89
 P.T. STA. = 1242+56.49

EXIST. CURVE 33C8
 PI STA. = 1245+50.87
 Δ = 14° 33' 06" (LT)
 D = 5° 07' 52"
 R = 1,116.65'
 T = 142.57'
 L = 283.60'
 E = 9.06'
 P.C. STA. = 1244+08.31
 P.T. STA. = 1246+91.91

PROP. CURVE REL2
 PI STA. = 2244+20.15
 Δ = 5° 59' 53" (LT)
 D = 1° 30' 00"
 R = 3,819.72'
 T = 200.12'
 E = 5.24'
 P.C. STA. = 2242+20.03
 P.T. STA. = 2246+19.90



FILENAME: J:\0255.DRAWINGS\ACTIVE R.O.W\ROWPLAN27rev.dgn
 PLOT DATE: 8/23/2011 2:03:04 PM

DRAWN BY: BISHOP
 WRITTEN BY: EMRICK
 CHECKED BY: BOTT
 INSPECTED BY: ---

CONTRACT NO. 94437
 FIELD BOOK NO. ---
 (R) RECORDED DISTANCE

- IRON PIN
- BRASS MONUMENT
- ROW MARKER
- ▣ CONCRETE MONUMENT
- STEEL POST
- IRON PIPE
- CONCRETE POST
- ▲ RAILROAD SPIKE
- ▲ NAIL
- TEMP. CONST. EASEMENT
- PERM. EASEMENT

UTILITIES:
 TELEPHONE - CHARTER COMMUNICATIONS
 VERIZON NORTH, INC.
 GAS - AMEREN CIPS
 ELECTRICITY - AMEREN CIPS
 WATER - CITY OF NEWTON
 T.V. CABLE -

PARCEL	OWNER	AREA TAKEN		EASEMENT	REM. AREA	INST	RECORDED				EXCESS	
		ADD	EXIST.				MICRO FILM NO.	DATE	BOOK	PAGE	AREA	SOLD
7112272	DAVID SCOTT BLOOMBERG, et. al.	0.0092 AC	0.0000 AC	-	0.87 AC	-	-	-	-	-	-	-
7112273	JAMES A. FALLER, et. al.	0.0460 AC	0.0000 AC	-	0.96 AC	-	-	-	-	-	-	-

NOTE: BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE DATUM OF 1983.

ILLINOIS DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y, RS-2, 6BR-7
 JASPER COUNTY
 JOB NO. R-97-012-01
 STA. 2237+00 TO STA. 1247+50

SCALE: 1" = 50'

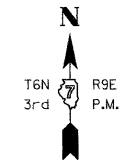
SHEET 29 OF 33

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 7

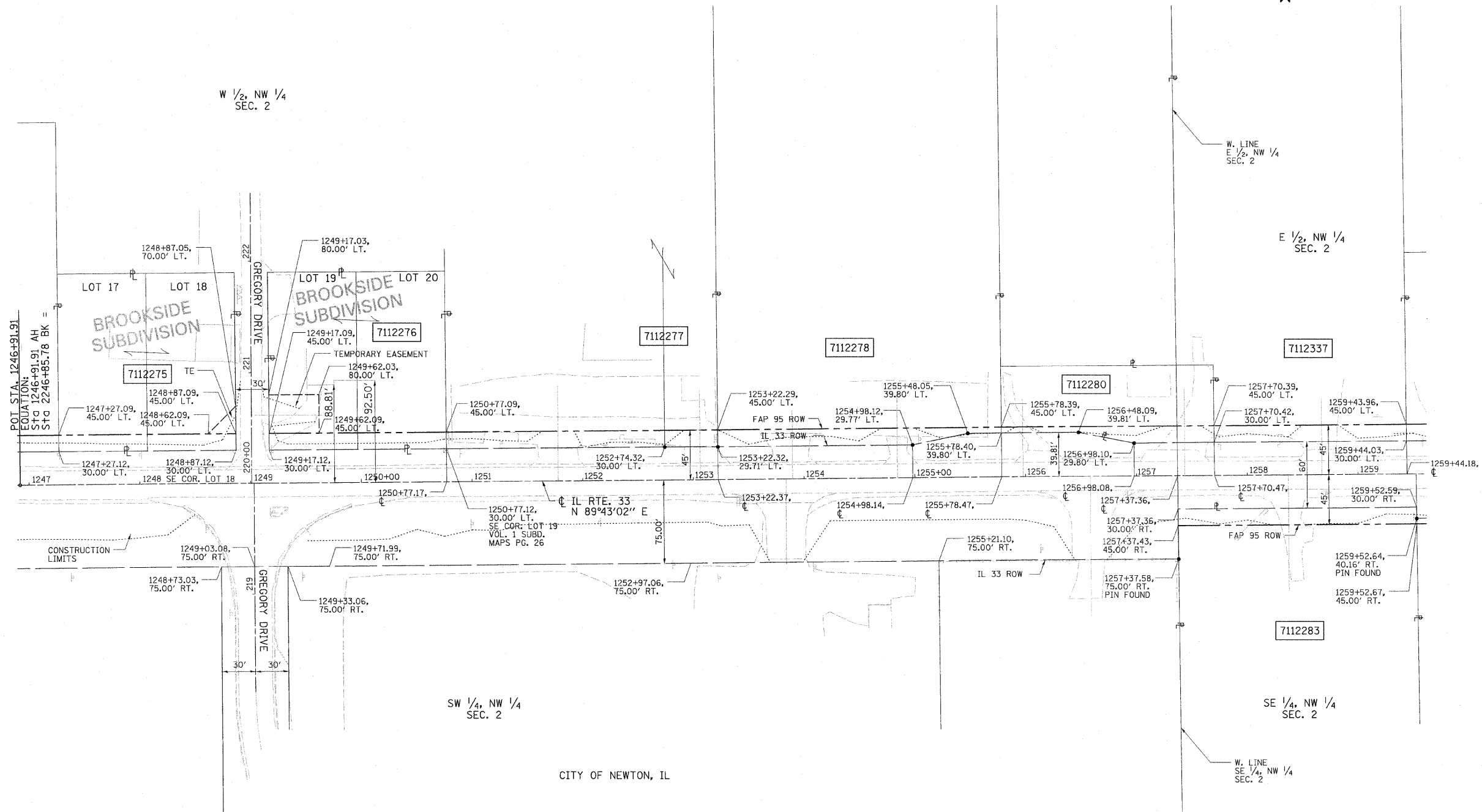
JOB NO. R-97-012-01

T. 6 N., R. 9 E. 3rd PM WADE TWP.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	208
STA. 1248+50.00 TO STA. 1260+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*(5,6)Y,RS-2,6BR-7				
CONTRACT NO. 94437				



NAME	DATE	REVISION
BISHOP	06/15/05	PRELIMINARY SUBMITTAL
BISHOP	12/01/05	PER IDOT COMMENTS
BOTT	03/06/08	PER IDOT COMMENTS



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 PLOT DATE: 8/23/2011 2:03:29 PM

CONTRACT NO. 94437

FIELD BOOK NO. ----
 (R) RECORDED DISTANCE

- - IRON PIN
- - BRASS MONUMENT
- - ROW MARKER
- ▣ - CONCRETE MONUMENT
- - STEEL POST
- - IRON PIPE
- ⊙ - CONCRETE POST
- ▲ - RAILROAD SPIKE
- ▲ - NAIL
- - TEMP. CONST. EASEMENT
- - PERM. EASEMENT

UTILITIES:

- TELEPHONE - CHARTER COMMUNICATIONS
- VERIZON NORTH, INC.
- GAS - AMEREN CIPS
- ELECTRICITY - AMEREN CIPS
- WATER - CITY OF NEWTON
- T.V. CABLE -

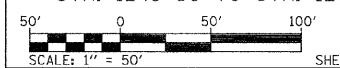
PARCEL	OWNER	AREA TAKEN		EASEMENT	REM. AREA	INST	RECORDED				EXCESS		
		ADD	EXIST.				MICRO	FILM NO.	DATE	BOOK	PAGE	AREA	SOLD
7112275	THOMAS K. HANNAMAN	0.0551 AC	0.0000 AC	0.0072 AC	0.53 AC								
7112276	RICHARD L. MILLER, et. al.	0.0551 AC	0.0000 AC	0.0362 AC	0.53 AC								
7112277	GRIFFITH TRUCKING COMPANY	0.0853 AC	0.1680 AC	-	18.04 AC								
7112278	WARREN D. WEBSTER	0.0769 AC	0.1200 AC	-	3.49 AC								
7112280	PIPE INC.	0.0451 AC	0.0496 AC	-	0.24 AC								
7112283	TERRENCE J. LIDY	0.0741 AC	0.0000 AC	-	1.93 AC								
7112337	FLOYD M. REYNOLDS	0.0598 AC	0.1196 AC	-	4.56 AC								

NOTE: TEMPORARY EASEMENTS ARE NEEDED AS A WORK AREA.

NOTE: BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE DATUM OF 1983.

ILLINOIS DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN

FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y, RS-2, 6BR-7
 JASPER COUNTY
 JOB NO. R-97-012-01
 STA. 1248+50 TO STA. 1260+00



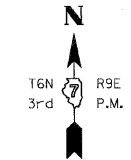
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 7

SHEET 1 OF 33 IS A COVER SHEET AND IS NOT RECORDED

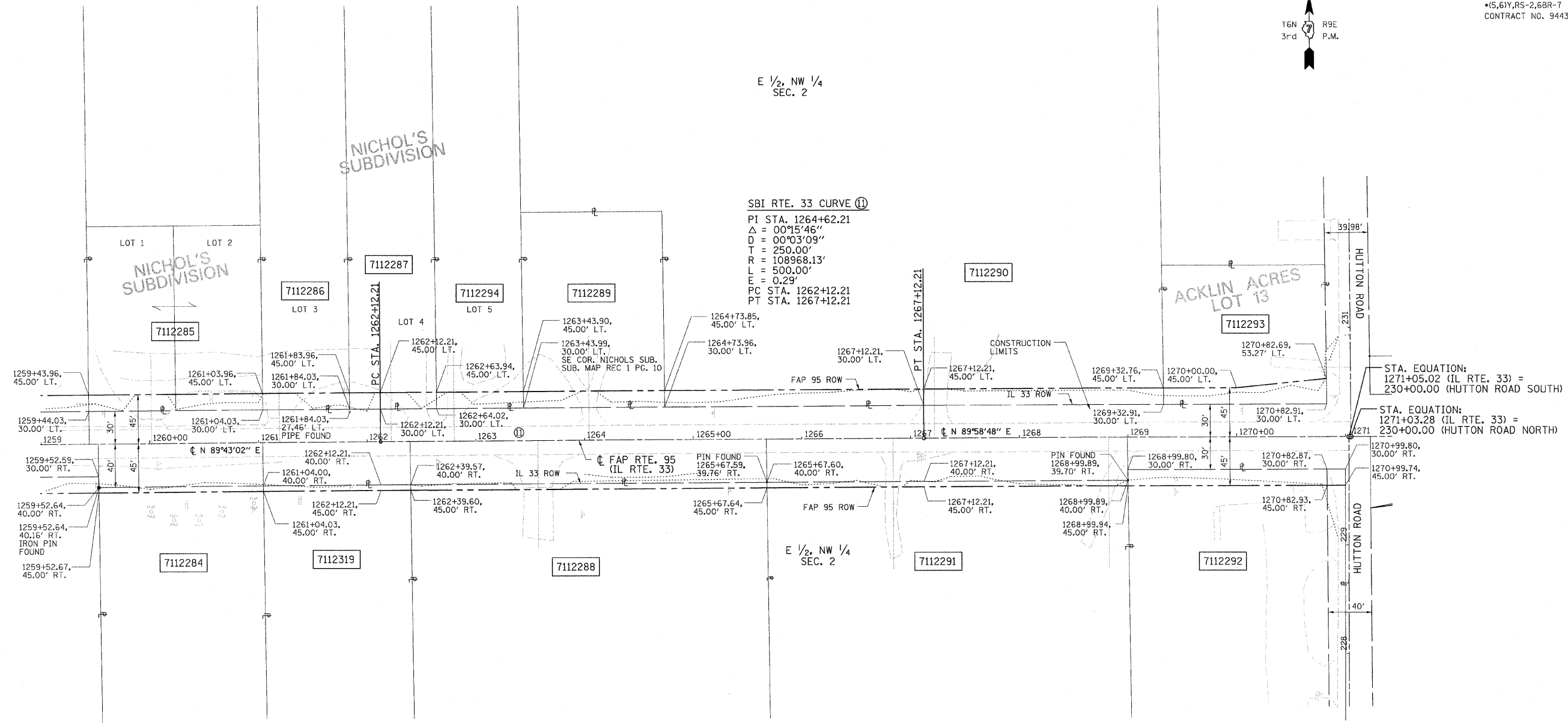
PLOT DATE: *DATE-TIME*

T. 6 N., R. 9 E. 3rd PM WADE TWP.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	209
STA. 1259+43.96 TO STA. 1271+50.00				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
*(5,6)Y,RS-2,6BR-7		CONTRACT NO. 94437		



NAME	DATE	REVISION
BISHOP	06/15/05	PRELIMINARY SUBMITTAL
BISHOP	12/01/05	PER IDOT COMMENTS
BOIT	03/06/08	PER IDOT COMMENTS



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 PLOT DATE: 8/23/2011 2:03:49 PM

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		ADD	EXIST.				MICRO FILM NO.	DATE	BOOK	PAGE	AREA	SOLD
7112285	DELANO W. ALTHOFF, et. al.	0.0551 AC	0.0000 AC	-	0.56 AC	-	-	-	-	-	-	-
7112286	ROBERT A. SCHAFER, D.V.M., et. al.	0.0275 AC	0.0000 AC	-	0.78 AC	-	-	-	-	-	-	-
7112287	KENNETH W. ALBRECHT, D.V.M., et. al.	0.0275 AC	0.0000 AC	-	0.77 AC	-	-	-	-	-	-	-
7112294	HERMAN E. WHALEN	0.0275 AC	0.0000 AC	-	0.77 AC	-	-	-	-	-	-	-
7112289	HERMAN WHALEN	0.0448 AC	0.0000 AC	-	0.49 AC	-	-	-	-	-	-	-
7112290	KEITH D. ROMACK, et. al.	0.1581 AC	0.0000 AC	-	7.52 AC	-	-	-	-	-	-	-
7112293	DON E. NICHOLS	0.0595 AC	0.0000 AC	-	0.38 AC	-	-	-	-	-	-	-
7112284	FIRST NATIONAL BANK IN OLNEY	0.0174 AC 757 FT. ²	0.0000 AC 0 FT. ²	-	1.98 AC	-	-	-	-	-	-	-
7112319	ROBERT L. HANSON, INC.	0.0156 AC 678 FT. ²	0.0000 AC 0 FT. ²	-	2.30 AC	-	-	-	-	-	-	-
7112288	MATTHEW D. BUCHANAN, et. al.	0.0376 AC	0.0000 AC	-	5.26 AC	-	-	-	-	-	-	-
7112291	ALYNE S. GALLOWAY	0.0381 AC	0.0000 AC	-	6.61 AC	-	-	-	-	-	-	-
7112292	JASPER COUNTY FARM BUREAU	0.0630 AC	0.0058 AC	-	1.93 AC	-	-	-	-	-	-	-

CONTRACT NO. 94437

FIELD BOOK NO. ----
 (R) RECORDED DISTANCE

- - IRON PIN
- - BRASS MONUMENT
- - ROW MARKER
- ▣ - CONCRETE MONUMENT
- - STEEL POST
- - IRON PIPE
- - CONCRETE POST
- ▲ - RAILROAD SPIKE
- ▲ - NAIL
- - TEMP. CONST. EASEMENT
- - PERM. EASEMENT

UTILITIES:

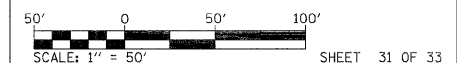
- TELEPHONE - CHARTER COMMUNICATIONS
- VERIZON NORTH, INC.
- GAS - AMEREN CIPS
- ELECTRICITY - AMEREN CIPS
- WATER - CITY OF NEWTON
- T.V. CABLE -

NOTE: TEMPORARY EASEMENTS ARE NEEDED AS A WORK AREA.

NOTE: BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE DATUM OF 1983.

ILLINOIS DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN

FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y, RS-2, 6BR-7
 JASPER COUNTY
 JOB NO. R-97-012-01
 STA. 1259+43.96 TO STA. 1271+50.00



ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 7

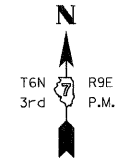
SHEET 1 OF 33 IS A COVER SHEET AND IS NOT RECORDED

JOB NO. R-97-012-01

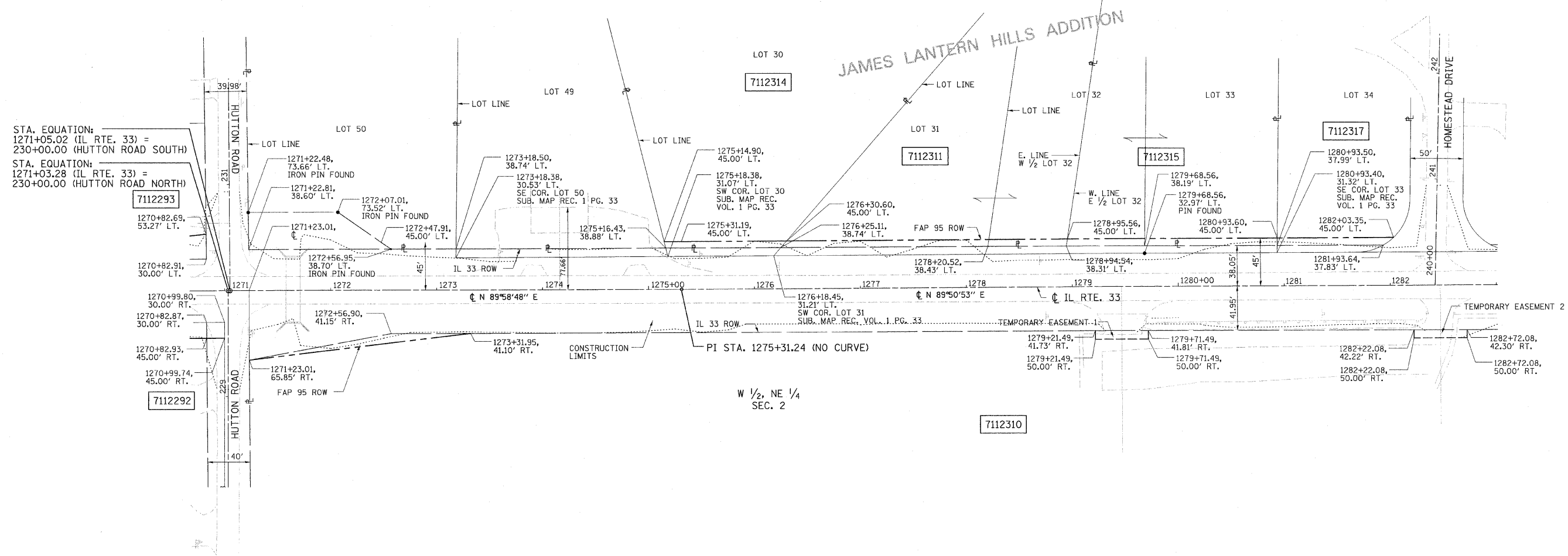
PLOT DATE: *DATE-TIME*

T. 6 N., R. 9 E. 3rd PM WADE TWP.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	210
STA. 1271+23.01		TO STA. 1283+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*15,61Y,RS-2,6BR-7		CONTRACT NO. 94437		



NAME	DATE	REVISION
BISHOP	06/15/05	PRELIMINARY SUBMITTAL
BISHOP	12/01/05	PER IDOT COMMENTS
BOTT	02/04/08	PER IDOT COMMENTS
BOTT	03/06/08	PER IDOT COMMENTS



STA. EQUATION:
 1271+05.02 (IL RTE. 33) =
 230+00.00 (HUTTON ROAD SOUTH)
 STA. EQUATION:
 1271+03.28 (IL RTE. 33) =
 230+00.00 (HUTTON ROAD NORTH)

FILENAME: J:\0256\DRAWINGS\ACTIVE_R.O.M.\ROWPLAN030rev.dgn
 PLOT DATE: 8/23/2011 2:04:4 PM

CONTRACT NO. 94437

- FIELD BOOK NO. ----
 (R) RECORDED DISTANCE
- - IRON PIN
 - - BRASS MONUMENT
 - - ROW MARKER
 - ⊠ - CONCRETE MONUMENT
 - ⊙ - STEEL POST
 - - IRON PIPE
 - ⊕ - CONCRETE POST
 - ▲ - RAILROAD SPIKE
 - △ - NAIL
 - - TEMP. CONST. EASEMENT
 - - PERM. EASEMENT

UTILITIES:
 TELEPHONE - CHARTER COMMUNICATIONS
 VERIZON NORTH, INC.
 GAS - AMEREN CIPS
 ELECTRICITY - AMEREN CIPS
 WATER - CITY OF NEWTON
 T.V. CABLE -

PARCEL	OWNER	AREA TAKEN		EASEMENT	REM. AREA	INST	RECORDED				EXCESS	
		ADD	EXIST.				MICRO FILM NO.	DATE	BOOK	PAGE	AREA	SOLD
7112314	ROBERT R. CUMMINS, et. al.	0.0159 AC 692 FT. ²	0.0000 AC 0 FT. ²	-	1.30 AC	-	-	-	-	-	-	-
7112311	WILLIAM C. STEPPE, et. al.	0.0397 AC	0.0000 AC	-	0.83 AC	-	-	-	-	-	-	-
7112315	JOSEPH B. BRUEMMER, et. al.	0.0312 AC	0.0000 AC	-	0.71 AC	-	-	-	-	-	-	-
7112317	JASPER COUNTY COMMUNITY UNIT SCHOOL DISTRICT NO. 1, A MUNICIPAL CORPORATION	0.0172 AC 747 FT. ²	0.0000 AC 0 FT. ²	-	0.44 AC	-	-	-	-	-	-	-
7112310	JASPER COUNTY COMMUNITY UNIT SCHOOL DISTRICT NO. 1	0.0212 AC 923 FT. ²	0.0000 AC 0 FT. ²	798 FT. ²	21.14 AC	-	-	-	-	-	-	-
	TEMPORARY EASEMENT 1			411 FT. ²		-	-	-	-	-	-	-
	TEMPORARY EASEMENT 2			387 FT. ²		-	-	-	-	-	-	-

NOTE: TEMPORARY EASEMENTS ARE NEEDED AS A WORK AREA.

NOTE: BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE DATUM OF 1983.

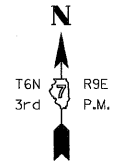
ILLINOIS DEPARTMENT OF TRANSPORTATION
RIGHT OF WAY PLAN
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y, RS-2, 6BR-7
 JASPER COUNTY
 JOB NO. R-97-012-01
 STA. 1271+23.01 TO STA. 1283+00.00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 7

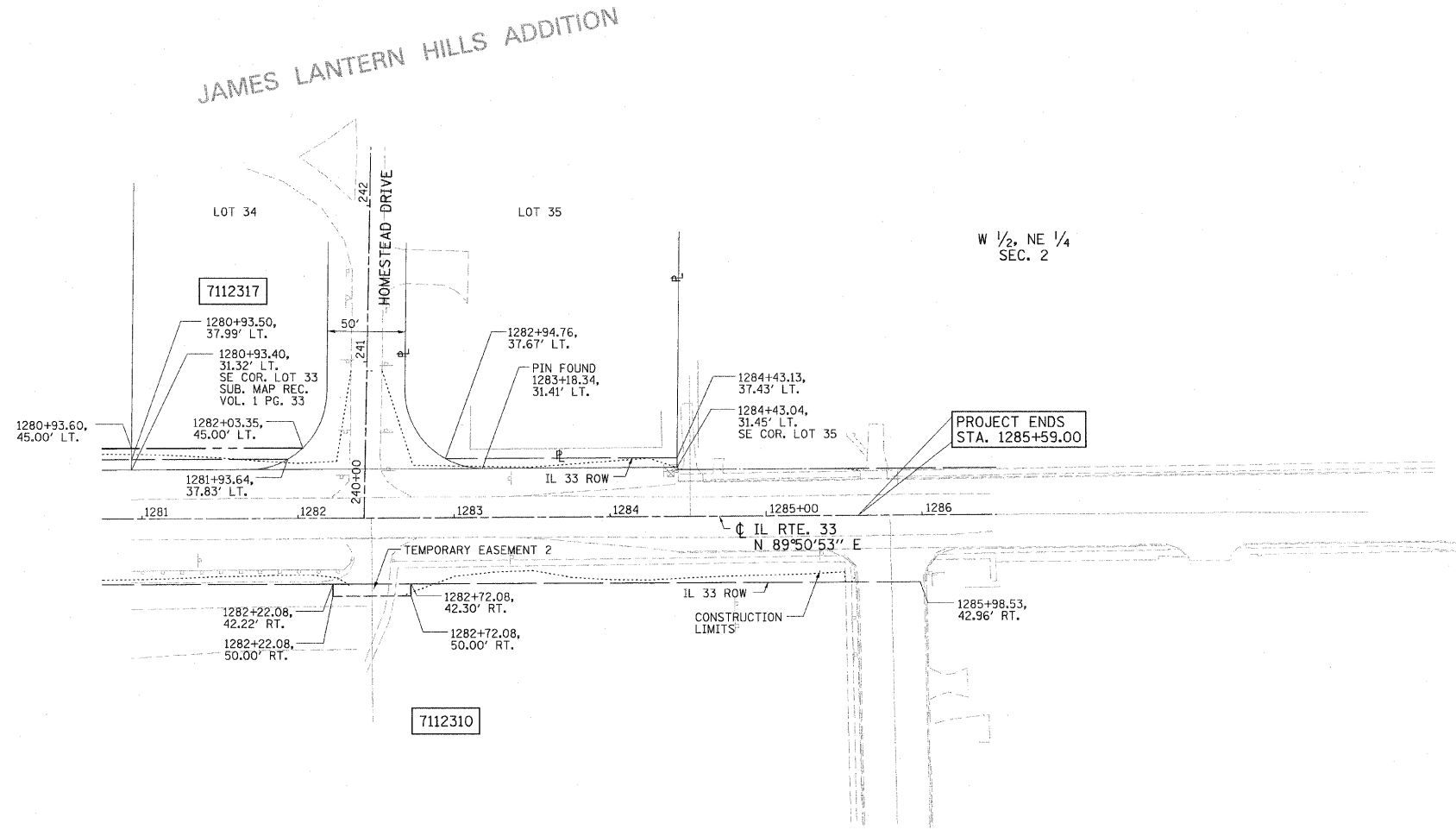
JOB NO. R-97-012-01

T. 6 N., R. 9 E. 3rd PM WADE TWP.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	211
STA. 1282+50.00 TO STA. 1286+50.00				
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
*(5,6)Y,RS-2,6BR-7		CONTRACT NO. 94437		



NAME	DATE	REVISION
BISHOP	06/15/05	PRELIMINARY SUBMITTAL
BISHOP	12/01/05	PER IDOT COMMENTS
BOTT	02/04/08	PER IDOT COMMENTS
BOTT	03/06/08	PER IDOT COMMENTS



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 PLOT DATE: 8/23/2011 2:04:36 PM

DRAWN BY: BISHOP
 WRITTEN BY: EMRICK
 CHECKED BY: BOTT
 INSPECTED BY: ---

CONTRACT NO. 94437

FIELD BOOK NO. ----

(R) RECORDED DISTANCE

- - IRON PIN
- - BRASS MONUMENT
- - ROW MARKER
- - CONCRETE MONUMENT
- ⊙ - STEEL POST
- ⊖ - IRON PIPE
- ⊕ - CONCRETE POST
- ▲ - RAILROAD SPIKE
- △ - NAIL
- - TEMP. CONST. EASEMENT
- - PERM. EASEMENT

UTILITIES:

TELEPHONE - CHARTER COMMUNICATIONS
 VERIZON NORTH, INC.

GAS - AMEREN CIPS

ELECTRICITY - AMEREN CIPS

WATER - CITY OF NEWTON

T.V. CABLE -

PARCEL	OWNER	AREA TAKEN		EASEMENT	REM. AREA	INST	RECORDED				EXCESS		
		ADD	EXIST.				MICRO FILM NO.	DATE	BOOK	PAGE	AREA	SOLD	
-	-	-	-	-	-	-	-	-	-	-	-	-	-

NOTE: TEMPORARY EASEMENTS ARE NEEDED AS A WORK AREA.

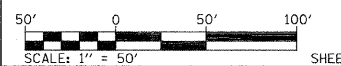
NOTE: BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM EAST ZONE DATUM OF 1983.

ILLINOIS DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN

FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y, RS-2, 6BR-7
 JASPER COUNTY

JOB NO. R-97-012-01
 STA. 1282+50 TO STA. 1286+50

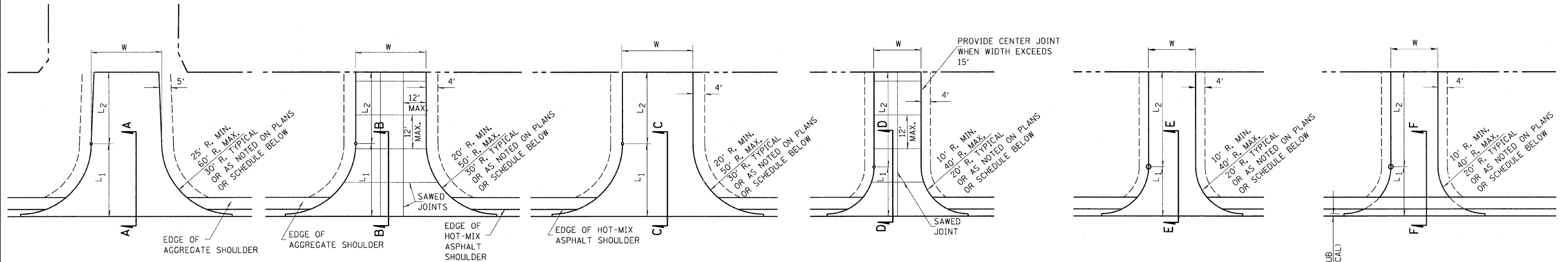


ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 7

JOB NO. R-97-012-01

PLOT DATE: *DATE-TIME*

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	212
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*15,61Y,RS-2,6BR-7				
CONTRACT NO. 94437				



PUBLIC ROAD

COMMERCIAL (P.C.C.)

COMMERCIAL (HOT-MIX ASPHALT)

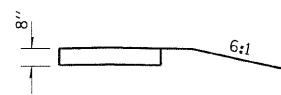
PRIVATE ENTRANCE (P.C.C.)

PRIVATE ENTRANCE (HOT-MIX ASPHALT)

FIELD ENTRANCE (AGGREGATE)



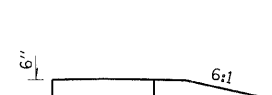
TYPICAL SECTION



TYPICAL SECTION



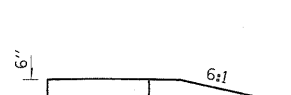
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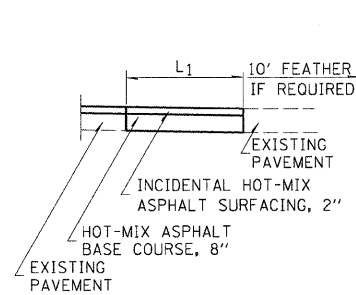
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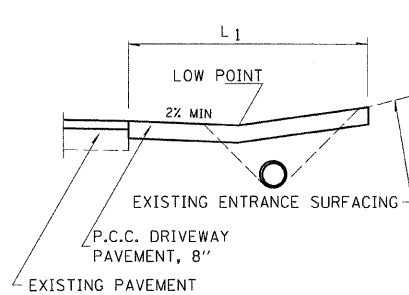
TYPICAL SECTION



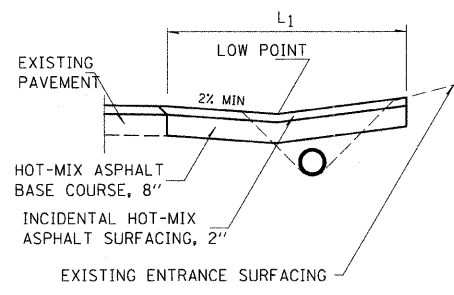
TYPICAL SECTION



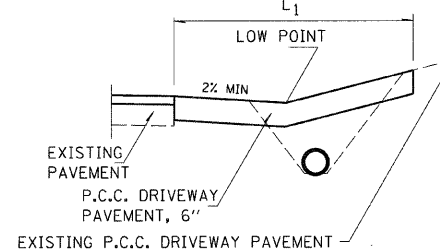
SEC. A-A



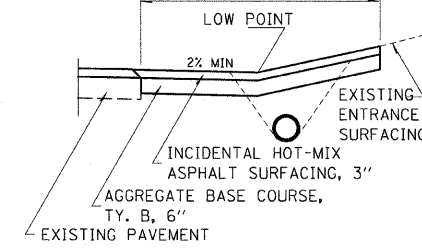
SEC. B-B



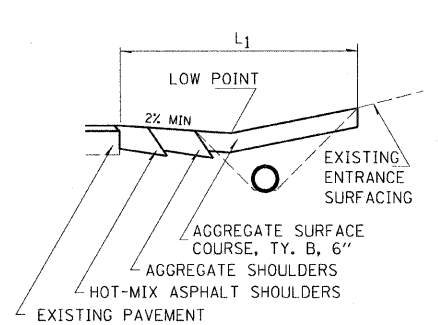
SEC. C-C



SEC. D-D



SEC. E-E



SEC. F-F

L₁ = DISTANCE FROM EDGE OF PAVEMENT TO RADIUS POINT OR MAX. DISTANCE 30'
L₂ = DISTANCE FROM RADIUS POINT OR MAX DISTANCE 30' OFF EDGE OF PAVEMENT TO R.O.W. LINE.
NOTE: MATERIAL USED TO CONSTRUCT L₂ LENGTH SHALL BE OF THE SAME TYPE OF MATERIAL AS EXISTING ENTRANCE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
RURAL ENTRANCE DETAIL
FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

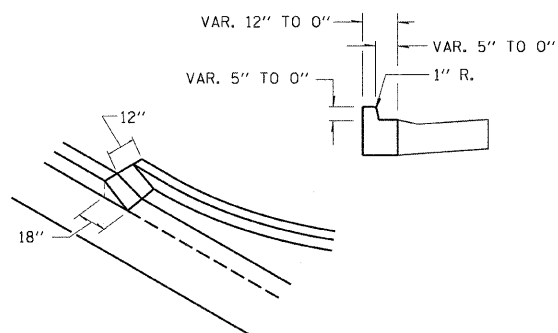
SCALE: VERT. _____
HORIZ. _____
DATE: 09/18/02

DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
OF SPRINGFIELD

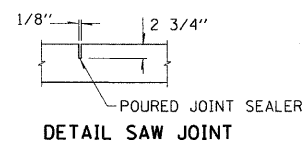
COMPUTER FILE NO.
ENTRANCE - 50
PROJECT 01256
2/26/10-FAV

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	214
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*15,61Y,RS-2,6BR-7 CONTRACT NO. 94437				

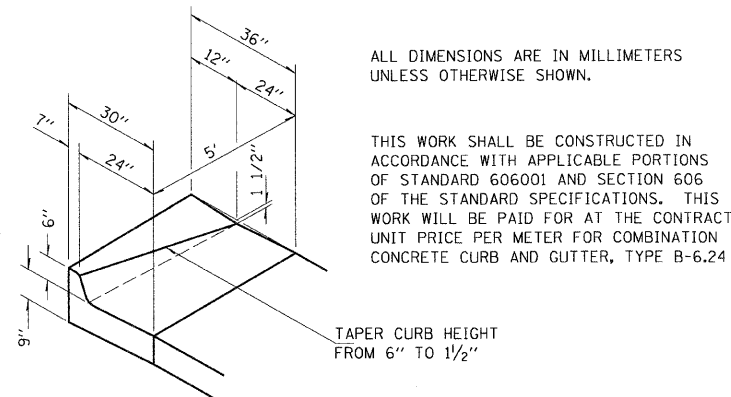


THE RAISED OUTER EDGES OF PRIVATE ENTRANCES SHALL BE MEASURED AND PAID AS P.C.C. DRIVEWAY PAVEMENT 6"

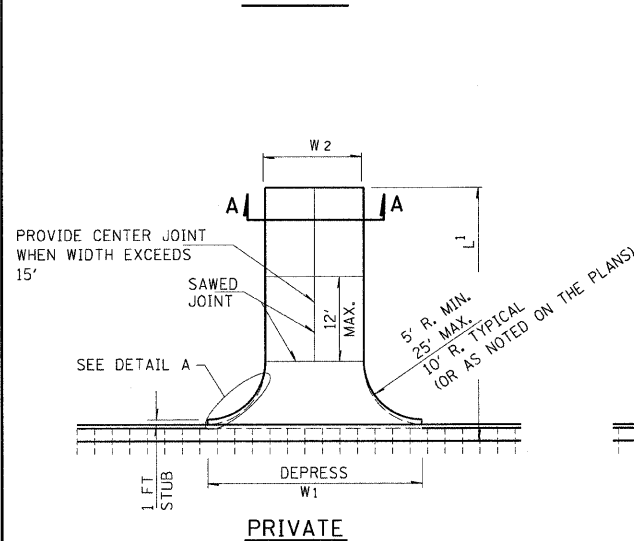
DETAIL A



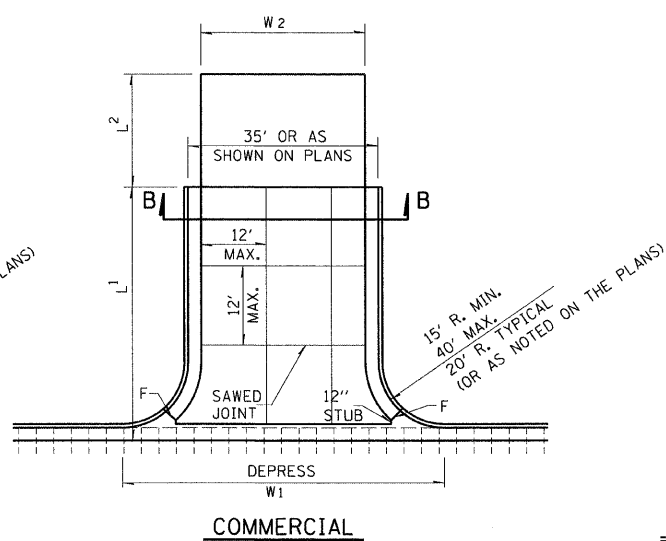
DETAIL SAW JOINT



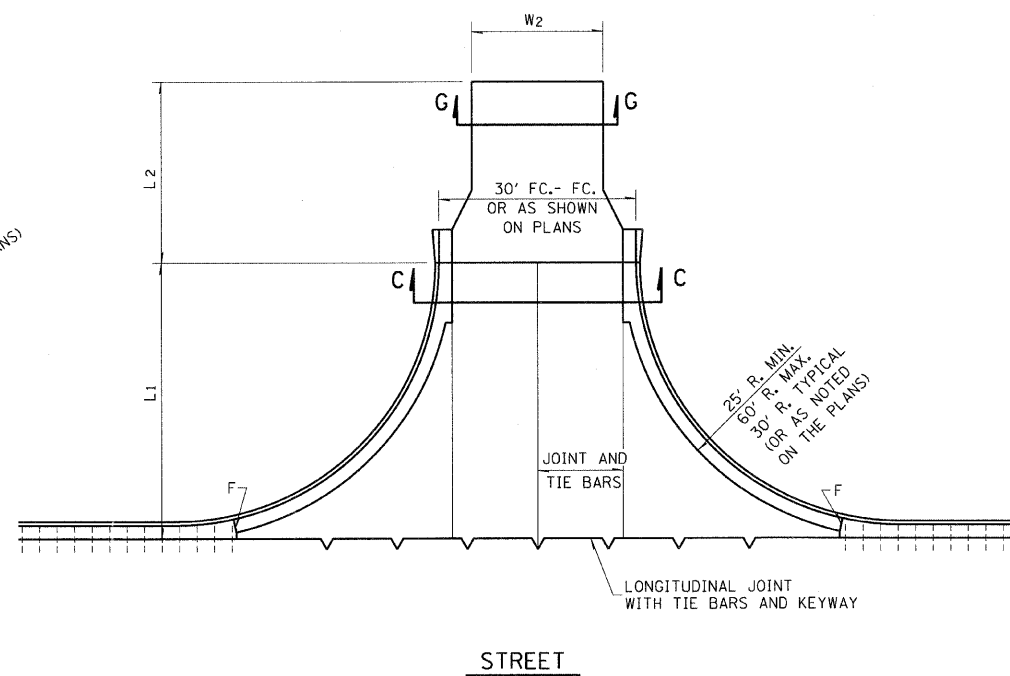
SPECIAL OUTLET FOR COMBINATION CURB AND GUTTER B-6.24



PRIVATE



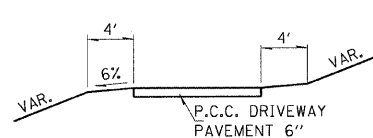
COMMERCIAL



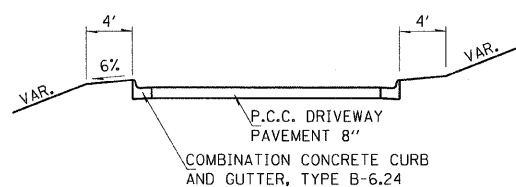
STREET

NOTES

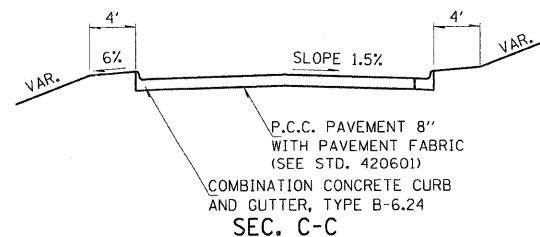
- OMIT TIE BARS WITHIN 15' OF MAINLINE PAVEMENT CONTRACTION JOINT OCCURRING WITHIN LIMITS OF ENTRANCES AND RADIUS RETURNS.
- CONTRACTION JOINTS IN MAINLINE PAVEMENT SHALL EXTEND THRU ENTRANCES AND RADIUS RETURNS. SAWED JOINTS SHALL BE ADJUSTED ACCORDINGLY.
- F = 1" PREFORMED EXPANSION JOINT FILLER.
- WHEN PAVEMENT IS CONSTRUCTED MONOLITHICALLY, THE JOINTS SHALL BE SAWED JOINTS WITH TIE BARS. WHEN CONSTRUCTED OTHERWISE, THE JOINTS SHALL BE LONGITUDINAL JOINTS WITH TIE BARS AND KEYWAY.
- DEPRESSED CURB & GUTTER THROUGH COMMERCIAL ENTRANCES SHALL BE PAID FOR AS DRIVEWAY PAVEMENT.
- DEPRESSED CURB AND GUTTER THROUGH PRIVATE ENTRANCES SHALL BE PAID FOR AS CURB AND GUTTER.



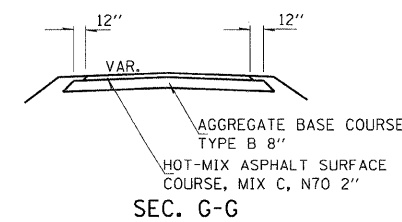
SEC. A-A



SEC. B-B



SEC. C-C



SEC. G-G

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
URBAN ENTRANCE DETAIL
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. DATE: 09/18/02
 HORIZ. DATE: 09/18/02

DRAWN BY: BISHOP
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

COMPUTER FILE NO.
 ENTRANCE - 50
 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPRINGFIELD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	215
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*15,61Y,RS-2,6BR-7 CONTRACT NO. 94437				

URBAN ENTRANCE SCHEDULE													
TYPE	SIDE/ STATION	L1 FOOT	L2 FOOT	W1 FOOT	W2 FOOT	AGGREGATE BASE COURSE, TYPE B TON	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 FOOT	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 TON	PORTLAND CEMENT CONCRETE PAVEMENT 8" SQ YD	PAVEMENT FABRIC SQ YD	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT		DRIVEWAY PAVEMENT REMOVAL SQ YD
											6" SQ YD	8" SQ YD	
IL RTE 33													
C.E.	2241+90, LT.	30	51	95	35		177					311	
C.E.	2245+56, LT.	30	0	58	24		72					109	
C.E.	1251+78, LT.	30	0	84	24		72					109	131
C.E.	1253+06, LT.	30	0	84	24		72					109	121
C.E.	1253+84, RT.	30	30	84	24							251	279
C.E.	1253+90, LT.												121
C.E.	1254+84, LT.	30	0	84	24		72					109	
P.E.	1255+98, LT.	30	0		13						49		43
C.E.	1256+58, RT.	30	30	84	24							248	298
C.E.	1257+44, LT.	30	0	84	24		72					109	63
C.E.	1258+37, RT.	30	0	84	24							149	
C.E.	1258+67, LT.	30	0	84	24		72					109	43
C.E.	1260+02, LT.	30	0	84	24		72					109	23
MB TURNOUT	1260+06, RT.												31
C.E.	1261+19, LT.	30	0	84	24		72					109	26
C.E.	1262+22, LT.	30	0	84	24		72					109	
MB TURNOUT	1262+64, RT.												31
P.E.	1262+80, LT.	30	0		12						42		
C.E.	1263+57, RT.	30	0	95	35		72					145	138
P.E.	1264+04, LT.	30	0		12						42		
P.E.	1266+84, RT.	30	20		16						79		
P.E.	1267+22, LT.	30	0		20						68		
P.E.	1268+88, RT.	30	0		12						44		
C.E.	1273+92, LT.	30	0	84	24		52					74	23
C.E.	1274+89, LT.	30	0	84	24		52					74	23
C.E.	1279+46, RT.	30	0	84	24		68					104	167
C.E.	1282+47, RT.	30	0	84	24		68					104	98
P.E.	1284+52, LT.	21	0		12						8		
MUSEUM DR. STREET	2241+35.11, RT.	30	-	-	28				157	157			
APPLE SHED RD. STREET	2244+02.86, LT.	30	50	-	24	67		15	132	132			
GREGORY DR. STREET	1249+00.92, LT.	30	50	-	20	60		14	123	123			
STREET	1249+03.18, RT.								400	400			
P.E.	220+62, RT.	11	35	50	12						60		69
HUTTON RD. STREET	271+03.28, LT.	30	50	-	20	61		14	123	123			
STREET	271+05.02, RT.	30	50	-	21	63		15	123	123			
P.E.	230+64, LT.	6	0	2	12						23		
HOMESTEAD RD. STREET	1282+42, LT.	30	50	-	20	61		14	126	126			
TOTALS						312	1,137	72	1,184	1,184	415	2,503	1,666

* BITUMINOUS MATERIALS AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE CONSIDERED INCIDENTAL TO THE COST OF HOT-MIX ASPHALT SURFACE COURSE, MIX C N70

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
URBAN ENTRANCE SCHEDULE
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. DRAWN BY: BISHOP
 HORIZ. DESIGNED BY: COLBROOK
 DATE: 09/18/02 CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 CONSULTING ENGINEERS
 1001 EAST WASHINGTON STREET
 SPRINGFIELD, ILLINOIS 62761
 (618) 233-8844 (618) 233-8877 FAX: (618) 233-8877

COMPUTER FILE NO.
 ENTRANCE - 50
 PROJECT 01256
 2/26/10-FAV

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	216
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*15,61Y,RS-2,6BR-7 CONTRACT NO. 94437				

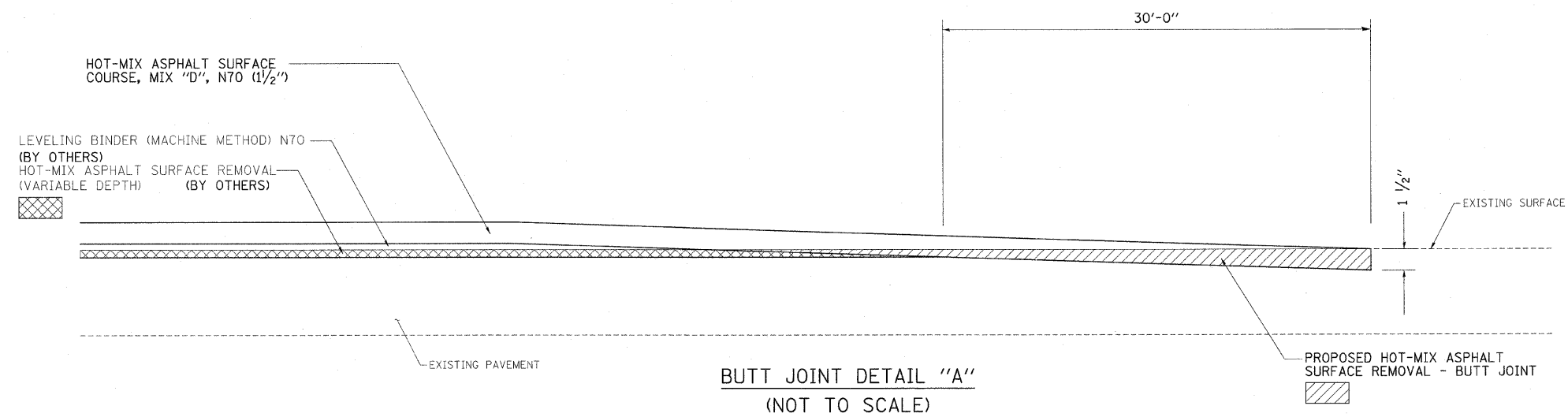
DESIGN		
INT.	DATE	REASON

PLAN	BY	DATE

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

PROFILE	BY	DATE

CHECKS		
INT.	DATE	REASON

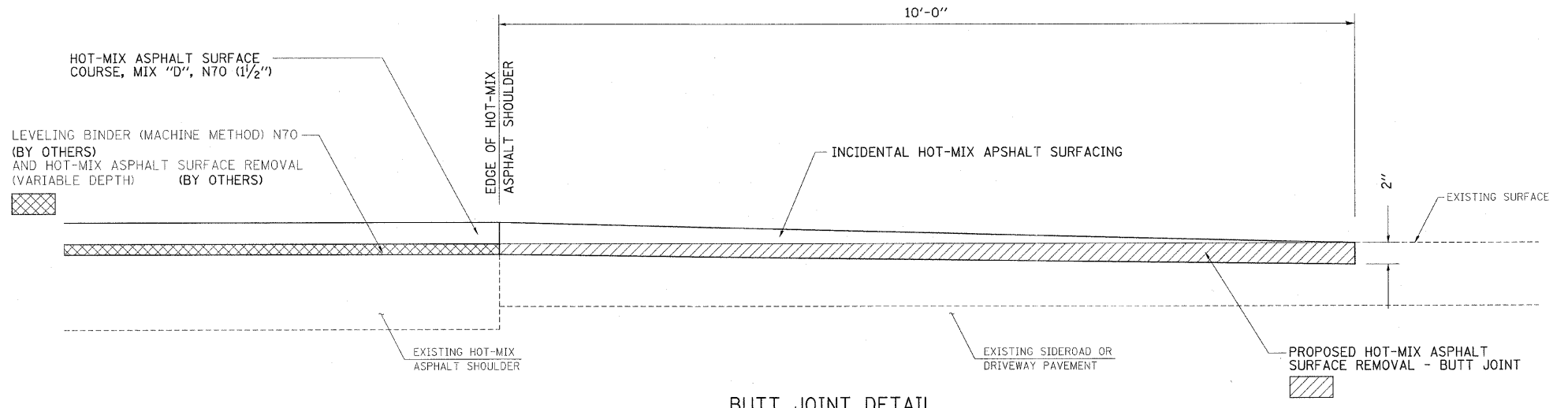


BUTT JOINT DETAIL "A"
(NOT TO SCALE)

ILLINOIS ROUTE 33 - STA. 689+81.63 TO STA. 690+41.63
ILLINOIS ROUTE 33 - STA. 1284+99.00 TO STA. 1285+59.00

NOTES:

- MILLING SHALL BE DONE TO ATTAIN A 1-1/2" DEPTH IN ORDER TO PLACE PROPOSED HMA SURFACE COURSE BETWEEN COMBINATION CURB AND GUTTER.



BUTT JOINT DETAIL SIDEROADS & ENTRANCES
(NOT TO SCALE)

STA. 817+00 TO STA. 829+50

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BUTT JOINT DETAILS
FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE: 08/21/02

DRAWN BY: JAMESON
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

COMPUTER FILE NO.
BUTTJOINT-A
PROJECT 01256
3/09/10-MDS

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
PROFESSIONAL ENGINEERS AND ARCHITECTS
REGISTERED IN ILLINOIS
4201 P.O. BOX 5460, 5401 THE COUNTRY CLUB DRIVE, SPRINGFIELD, ILLINOIS 62761-5460

DESIGN	INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	217
STA. _____ TO STA. _____				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(5,6)Y,RS-2,6BR-7				
CONTRACT NO. 94437				

PLAN	BY		
	DATE	DATE	DATE
REVISIONS: ALIGNMENT CHECKED CADD FILE NAME NO.			

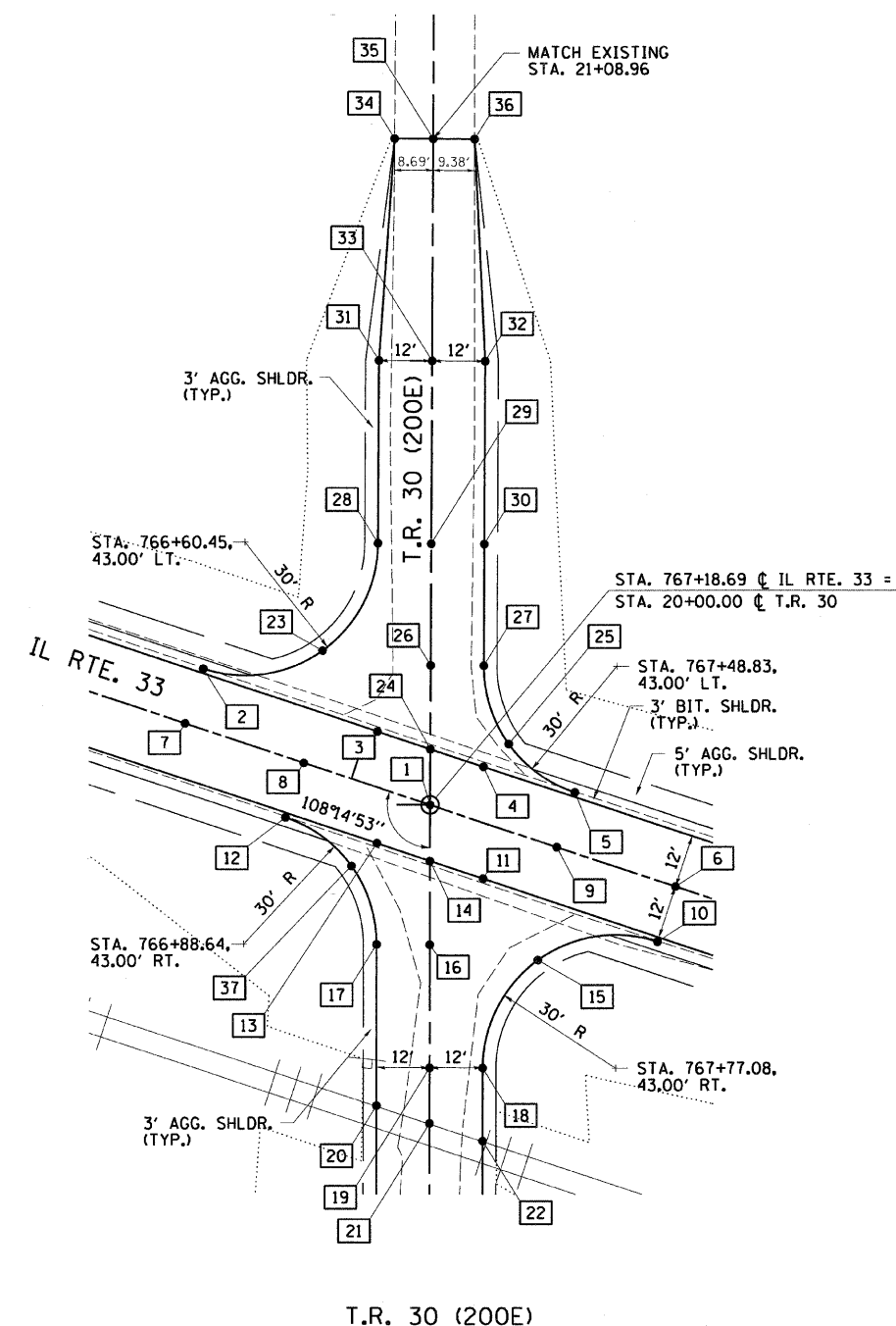
PLOTS & CHECKS		
INT.	DATE	REASON

INT.	DATE	REASON

PROFILE	BY		
	DATE	DATE	DATE
REVISIONS: GRADES CHECKED STRUCTURE NOTATIONS CHKD NO.			

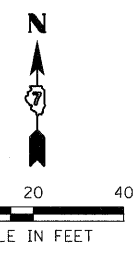
CHECKS		
INT.	DATE	REASON

INT.	DATE	REASON



T.R. 30

BOX NUMBER	STATIONING ALONG IL RTE. 33	OFFSET FEET	STATIONING ALONG T.R. 30	OFFSET FEET	ELEVATION FEET
1	767+18.69	0.00 LT	20+00.00	0.00 RT	587.33
2	766+60.46	13.00 LT	20+30.44	51.32 LT	587.09
3	767+02.18	12.00 LT	20+16.54	11.96 LT	587.10
4	767+27.44	12.00 LT	20+08.70	12.04 RT	587.17
5	767+48.83	13.00 LT	20+03.00	32.68 RT	587.20
6	767+77.08	0.00 LT	19+81.73	55.46 RT	587.41
7	766+60.46	0.00 LT	20+18.09	55.35 LT	587.28
8	766+88.64	0.00 LT	20+09.33	28.56 LT	587.28
9	767+48.83	0.00 LT	19+90.57	28.62 RT	587.39
10	767+77.08	13.00 RT	19+69.38	51.39 RT	587.22
11	767+35.32	12.00 RT	19+83.40	12.04 RT	587.19
12	766+88.64	13.00 RT	19+97.06	32.61 LT	587.09
13	767+10.05	12.00 RT	19+91.31	11.96 LT	587.11
14	767+22.64	12.00 RT	19+87.37	0.00 LT	587.16
15	767+52.77	25.42 RT	19+65.20	24.42 RT	587.00
16	767+28.52	29.85 RT	19+68.57	0.00 RT	587.08
17	767+17.13	33.61 RT	19+68.57	12.00 LT	586.84
18	767+48.58	52.39 RT	19+40.89	12.00 RT	587.40
19	767+37.19	56.14 RT	19+40.89	0.00 RT	587.64
20	767+28.47	68.03 RT	19+32.33	12.00 LT	588.16
21	767+41.10	68.01 RT	19+28.40	0.00 RT	588.16
22	767+53.72	67.98 RT	19+24.47	12.00 RT	588.16
23	766+84.72	25.36 LT	20+34.66	24.41 LT	586.77
24	767+14.77	12.00 LT	20+12.63	0.00 RT	587.14
25	767+31.21	18.72 LT	20+13.91	17.72 RT	587.00
26	767+08.90	29.96 LT	20+31.52	0.00 RT	586.95
27	767+20.31	33.69 LT	20+31.52	12.00 RT	586.71
28	766+88.99	52.25 LT	20+58.89	12.00 LT	586.44
29	767+00.40	55.98 LT	20+58.89	0.00 RT	586.68
30	767+11.81	59.71 LT	20+58.89	12.00 RT	586.44
31	766+76.22	91.33 LT	21+00.00	12.00 LT	586.15
32	766+99.04	98.78 LT	21+00.00	12.00 RT	586.15
33	766+87.63	95.06 LT	21+00.00	0.00 RT	586.39
34	766+63.84	139.88 LT	21+50.00	8.69 LT	585.91
35	766+72.10	142.58 LT	21+50.00	0.00 RT	586.26
36	766+81.02	145.50 LT	21+50.00	9.38 RT	585.91
37	767+06.22	18.69 RT	19+86.15	17.69 LT	586.97



REVISIONS		
NAME	DATE	

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE: 08/21/02

DRAWN BY: JAMESON
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
REGISTERED PROFESSIONAL ENGINEERS
PROFESSIONAL OFFICE: 200 S. ALTA AVE., SPRINGFIELD, ILLINOIS 62762
PHONE: 217-261-1313 FAX: 217-261-1314
WWW: GREENEANDBRADFORD.COM

COMPUTER FILE NO.
INT-01-C
PROJECT 01256
2/26/10-FAV

DESIGN	INT.	DATE	REASON

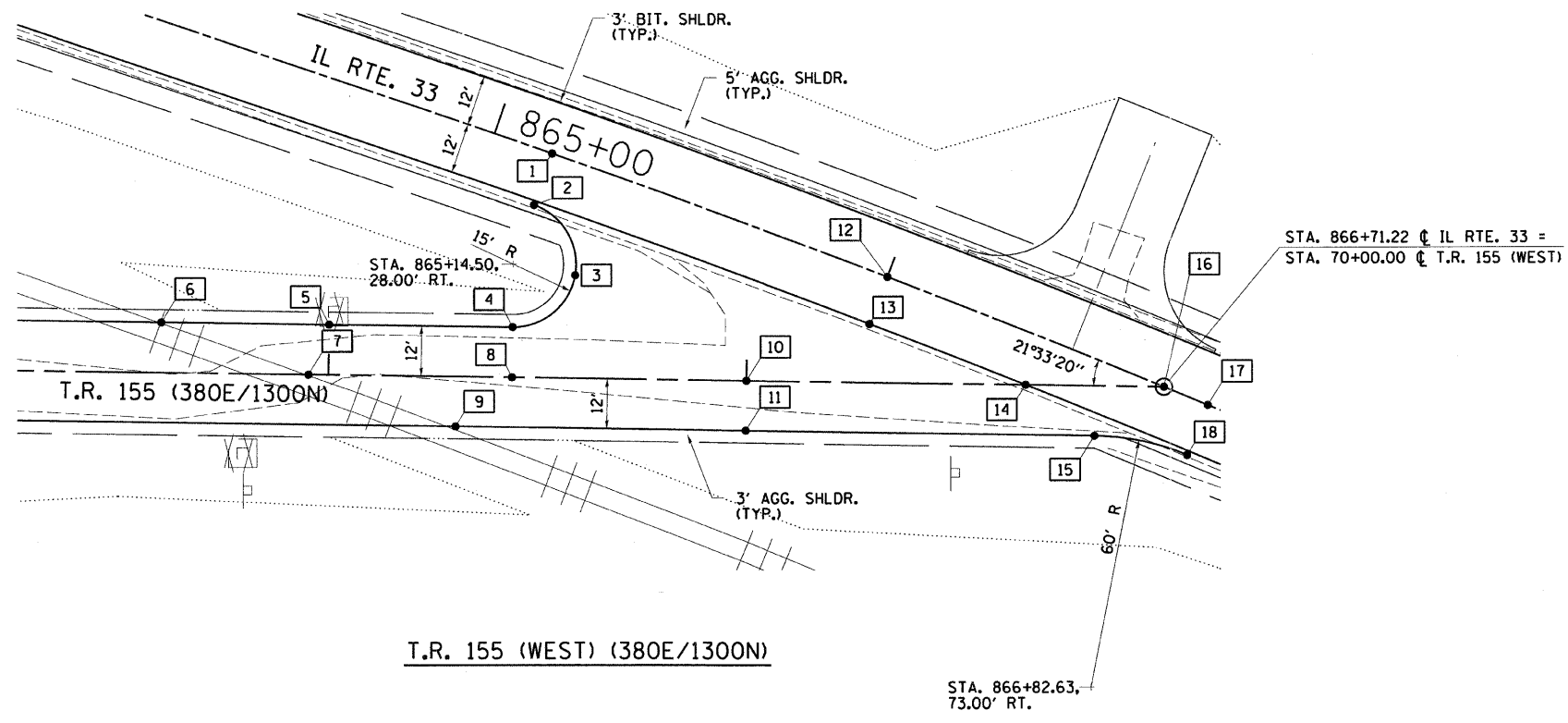
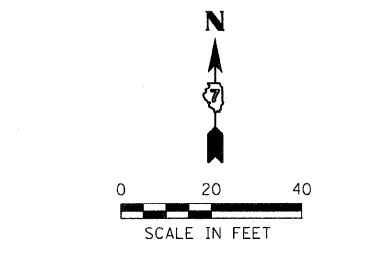
PLAN	NO.	DATE

PILOTS & CHECKS	INT.	DATE	NO.	REASON

PROFILE	NO.	DATE

CHECKS	INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	218
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



T.R. 155 (WEST)					
BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG T.R. 155	OFFSET FEET	ELEVATION FEET
1	865+14.50	0.00 LT	68+52.78	53.56 LT	581.16
2	865+14.50	13.00 RT	68+48.63	41.23 LT	580.97
3	865+29.44	25.56 RT	68+58.70	24.60 LT	581.07
4	865+19.31	42.23 RT	68+43.89	12.00 LT	581.17
5	864+77.04	55.87 RT	68+00.00	12.00 LT	583.19
6	864+38.78	68.19 RT	67+59.81	12.00 LT	583.33
7	864+76.12	68.77 RT	67+95.17	0.00 LT	583.33
8	865+23.20	53.60 RT	68+43.89	0.00 RT	581.41
9	865+14.15	69.22 RT	68+30.53	12.00 RT	583.33
10	865+77.04	35.21 RT	69+00.00	0.00 RT	580.30
11	865+81.15	46.51 RT	69+00.00	12.00 RT	580.06
12	866+00.00	0.00 RT	69+33.44	25.34 LT	580.98
13	866+00.00	12.00 RT	69+29.31	14.07 LT	580.79
14	866+40.29	12.00 RT	69+66.89	0.00 RT	580.73
15	866+60.23	17.20 RT	69+83.51	12.00 RT	580.66
16	866+71.22	0.00 RT	70+00.00	0.00 RT	580.87
17	866+82.60	0.00 LT	N/A	N/A	580.86
18	866+82.63	13.00 RT	N/A	N/A	580.67

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 08/21/02

DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

COMPUTER FILE NO.
 INT-01-A
 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 PROFESSIONAL ENGINEERS
 LICENSE NO. 1212-0001
 REGISTERED PROFESSIONAL ENGINEERS
 1015 W. BROADWAY, SUITE 100, SPRINGFIELD, ILLINOIS 62761
 (217) 522-1100 FAX (217) 522-1101 www.greenegb.com

REVISIONS	
NAME	DATE

DESIGN		
INT.	DATE	REASON

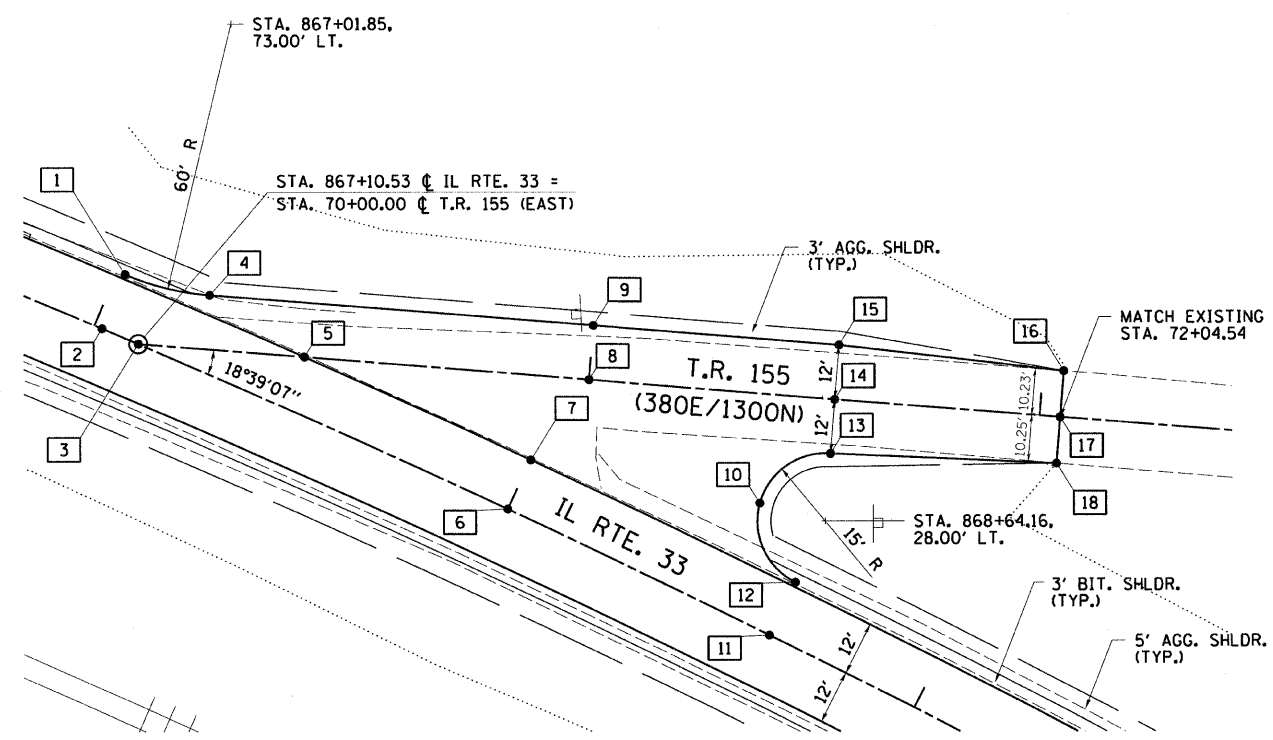
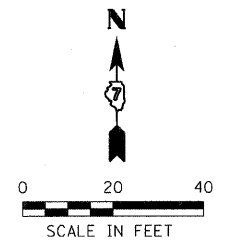
PLAN	REVISIONS	DATE

PLOTS & CHECKS		
INT.	DATE	REASON

PROFILE	REVISIONS	DATE

CHECKS		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	219
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*15,61Y,RS-2,6BR-7				
CONTRACT NO. 94437				



T.R. 155 (EAST) (380E/1300N)

T.R. 155 (EAST)					
BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG T.R. 155	OFFSET FEET	ELEVATION FEET
1	867+01.85	13.00 LT	N/A	N/A	581.27
2	867+01.83	0.00 RT	N/A	N/A	580.79
3	867+10.53	0.00 RT	70+00.00	0.00 RT	580.79
4	867+20.76	16.16 LT	70+14.91	12.00 LT	581.10
5	867+45.31	12.00 LT	70+36.86	0.00 RT	581.19
6	868+00.00	0.00 RT	70+84.31	29.93 RT	580.60
7	868+00.05	12.00 LT	70+88.55	18.71 RT	581.13
8	868+04.20	33.53 LT	71+00.00	0.00 RT	580.40
9	868+00.05	44.77 LT	71+00.00	12.00 LT	580.16
10	868+49.55	25.21 LT	71+39.80	24.17 RT	580.26
11	868+64.16	0.00 RT	71+44.17	53.01 RT	580.52
12	868+64.16	13.00 LT	71+48.98	40.93 RT	580.99
13	868+58.68	41.94 LT	71+54.54	12.00 RT	579.48
14	868+54.35	53.10 LT	71+54.54	0.00 RT	579.72
15	868+50.04	64.27 LT	71+54.54	12.00 LT	579.48
16	868+95.92	81.27 LT	72+04.54	10.23 LT	578.85
17	868+99.72	71.82 LT	72+04.54	0.00 RT	579.09
18	869+03.55	62.34 LT	72+04.54	10.25 RT	578.84

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION 15,61Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 08/21/02

DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

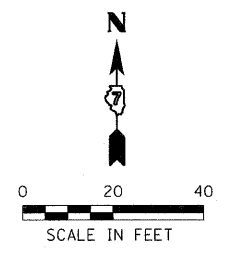
COMPUTER FILE NO. INT-01-B
 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 CONSULTING ENGINEER
 AND CONSTRUCTION UNIT
 PROFESSIONAL ENGINEERS AND ARCHITECTS
 REGISTERED IN ILLINOIS
 PROFESSIONAL ENGINEERING COMPANY
 4010 N. 44th St., Springfield, IL 62761-2000

REVISIONS	
NAME	DATE

DESIGN		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	220
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*15.61Y,RS-2,6BR-7 CONTRACT NO. 94437				

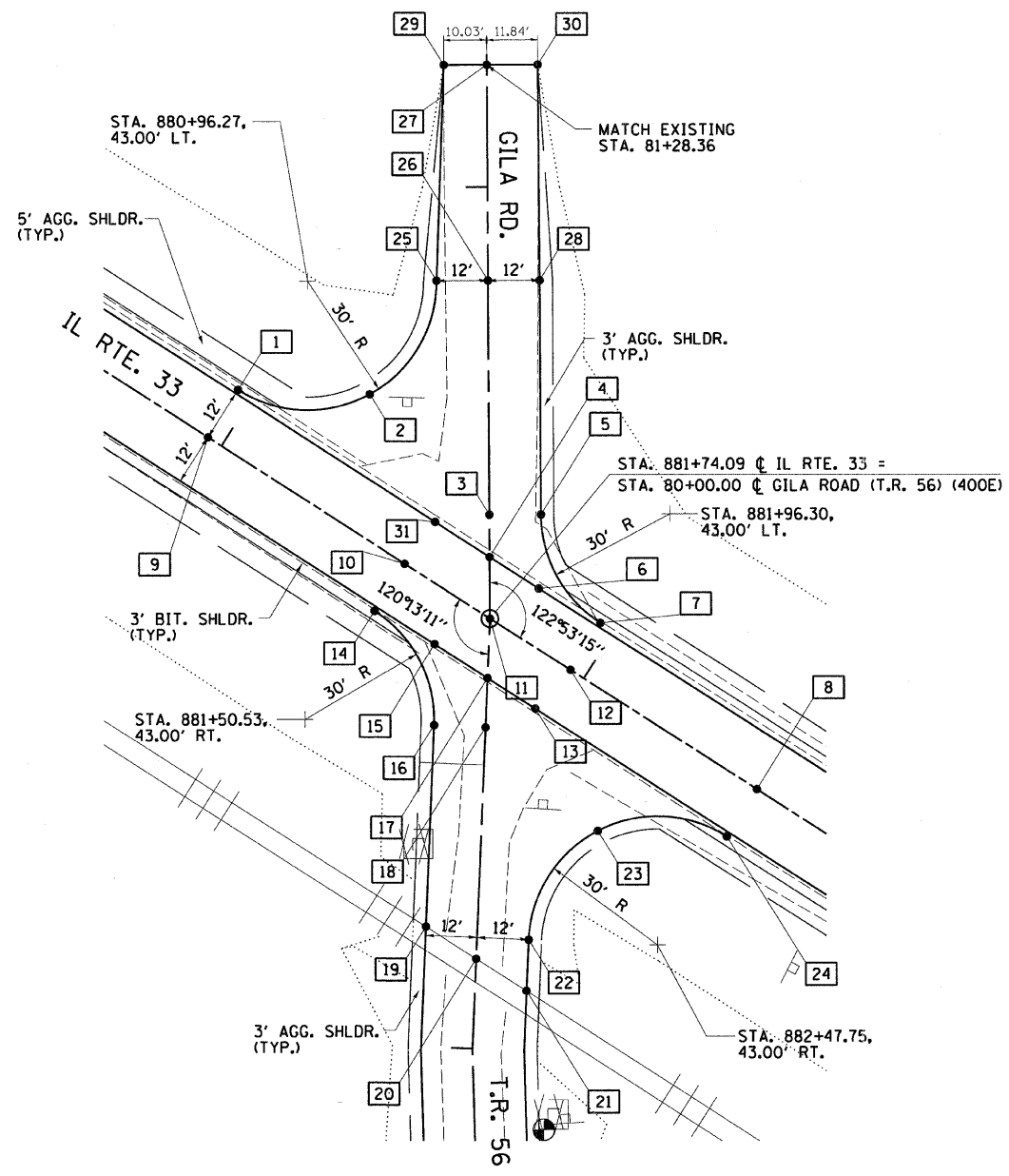


PLAN	REVISIONS	DATE

PLOTS & CHECKS		
INT.	DATE	REASON

PROFILE	REVISIONS	DATE

CHECKS		
INT.	DATE	REASON



T.R. 56 (400E) / GILA ROAD					
BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG T.R. 56	OFFSET FEET	ELEVATION FEET
1	880+96.27	13.00 LT	80+53.17	58.29 LT	576.05
2	881+22.62	28.66 LT	80+52.01	27.66 LT	575.75
3	881+61.01	20.23 LT	80+24.09	0.00 RT	576.05
4	881+66.33	12.00 LT	80+14.29	0.00 RT	576.04
5	881+71.09	26.74 LT	80+24.09	12.00 RT	575.81
6	881+79.91	12.00 LT	80+06.92	11.40 RT	576.04
7	881+96.30	13.00 LT	80+00.00	25.70 RT	575.96
8	882+47.75	0.00 RT	79+62.93	63.64 RT	576.15
9	880+96.27	0.00 RT	80+42.26	65.35 LT	576.24
10	881+50.53	0.00 RT	80+12.79	19.78 LT	576.20
11	881+74.09	0.00 RT	80+00.00	0.00 RT	576.22
12	881+96.30	0.00 RT	79+88.82	19.19 RT	576.15
13	881+94.26	12.00 RT	79+79.48	11.38 RT	575.98
14	881+50.53	13.00 RT	80+01.88	26.84 LT	576.01
15	881+66.43	12.00 RT	79+93.49	12.66 LT	576.04
16	881+76.46	27.90 RT	79+74.70	12.00 LT	575.67
17	881+81.08	12.00 RT	79+86.11	0.00 RT	576.02
18	881+86.82	21.86 RT	79+74.70	0.00 LT	575.91
19	882+00.05	68.40 RT	79+27.83	12.00 LT	577.42
20	882+13.93	68.39 RT	79+20.85	0.00 RT	577.42
21	882+27.81	68.38 RT	79+13.87	12.00 RT	577.42
22	882+21.82	58.10 RT	79+25.77	12.00 RT	576.92
23	882+21.74	28.05 RT	79+51.78	27.05 RT	576.00
24	882+47.75	13.00 RT	79+51.70	57.10 RT	575.96
25	881+21.47	59.29 LT	80+78.36	12.00 LT	575.87
26	881+31.54	65.81 LT	80+78.36	0.00 RT	576.11
27	881+04.39	107.79 LT	81+28.36	0.00 RT	576.16
28	881+41.62	72.32 LT	80+78.36	12.00 RT	575.87
29	880+95.97	102.35 LT	81+28.36	10.03 LT	575.81
30	881+14.34	114.22 LT	81+28.36	11.84 RT	575.85
31	881+51.29	12.00 LT	80+22.46	12.63 LT	576.02

T.R. 56 (400E) / GILA ROAD

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 08/21/02

DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

COMPUTER FILE NO.
 INT-02-A
 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 CONSULTING ENGINEERS
 OF SPRINGFIELD
 PROFESSIONAL ENGINEERS
 LICENSE NO. 12102
 REGISTERED PROFESSIONAL ENGINEERS
 PROFESSIONAL ENGINEERS IN CIVIL ENGINEERING
 ILLINOIS LICENSE NO. 12102-02-0001

REVISIONS	
NAME	DATE

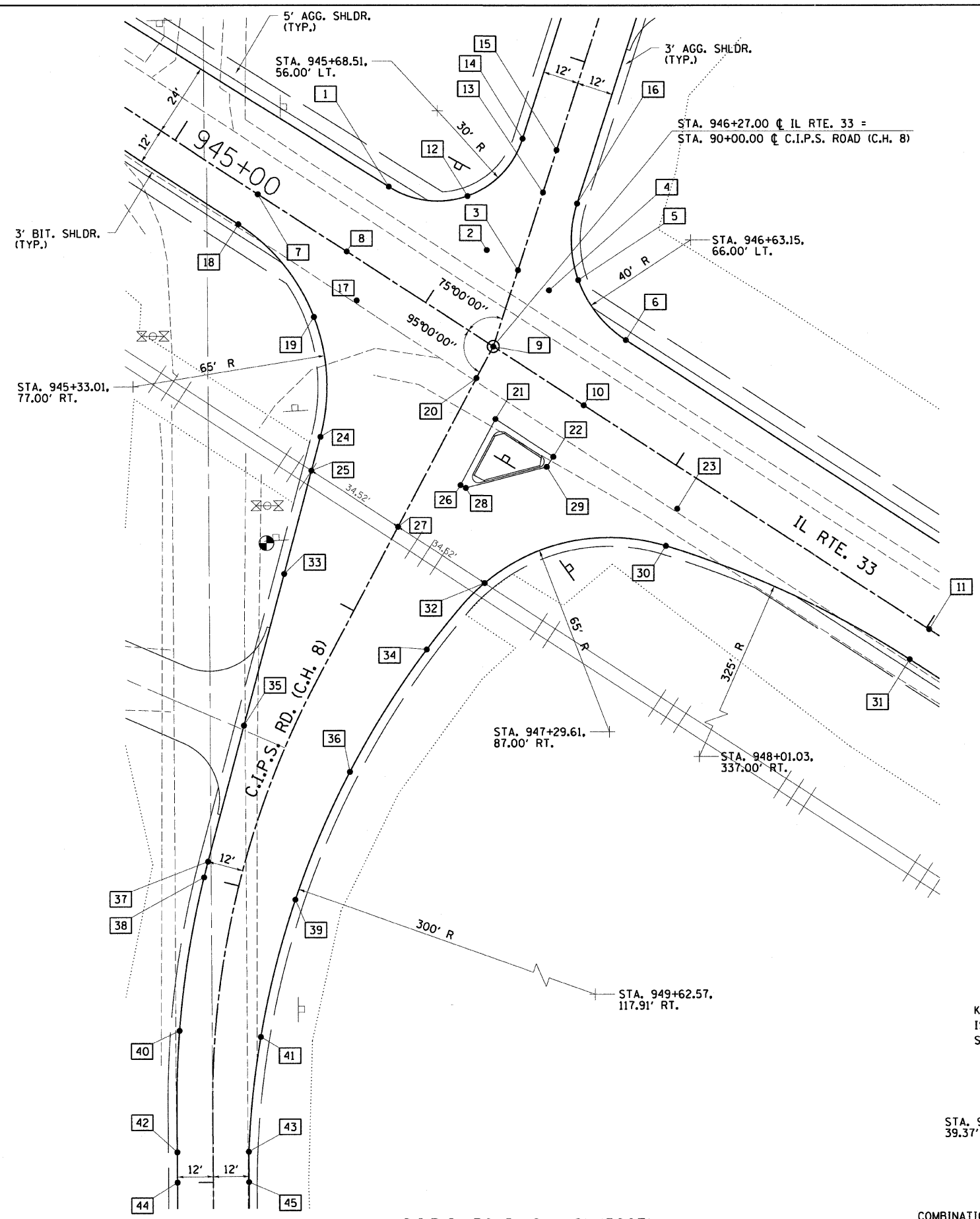
DESIGN	INT.	DATE	REASON

PLAN	REVISIONS	DATE

PILOTS & CHECKS	INT.	DATE	NO.	REASON

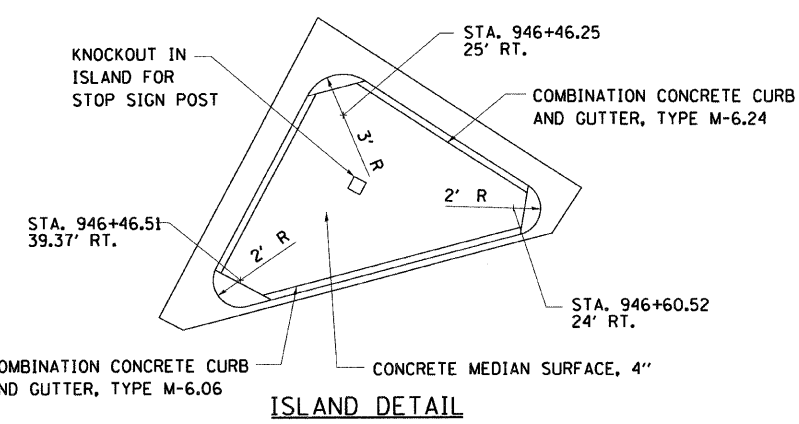
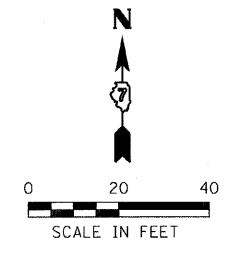
PROFILE	REVISIONS	DATE

CHECKS	INT.	DATE	REASON



C.I.P.S. ROAD - C.H. 8 (500E)					
BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG C.I.P.S.	OFFSET FEET	ELEVATION FEET
1	945+68.51	26.00 LT	90+40.25	49.76 LT	570.77
2	946+07.61	26.00 LT	90+30.13	12.00 LT	570.66
3	946+20.03	26.00 LT	90+26.92	0.00 RT	570.50
4	946+32.46	26.00 LT	90+23.70	12.00 RT	570.61
5	946+38.80	34.27 LT	90+30.05	20.27 RT	570.53
6	946+63.15	26.00 LT	90+15.76	41.65 RT	570.57
7	945+33.01	0.00 RT	90+24.33	90.79 LT	571.23
8	945+68.51	0.00 RT	90+15.14	56.49 LT	571.16
9	946+27.00	0.00 RT	90+00.00	0.00 RT	571.06
10	946+63.15	0.00 LT	89+96.85	36.01 RT	570.96
11	948+01.03	0.00 RT	89+84.83	173.36 RT	570.85
12	945+92.31	37.74 LT	90+45.43	23.74 LT	570.50
13	946+12.92	52.54 LT	90+54.40	0.00 LT	570.22
14	945+97.49	63.76 LT	90+69.23	12.00 LT	569.84
15	946+09.08	66.87 LT	90+69.23	0.00 RT	570.07
16	946+24.51	55.65 LT	90+54.40	12.00 RT	570.06
17	945+80.23	12.00 RT	89+92.12	47.64 LT	570.95
18	945+33.01	12.00 RT	90+12.74	93.90 LT	571.05
19	945+71.21	24.41 RT	89+80.54	57.70 LT	570.65
20	946+28.05	12.00 RT	89+87.96	0.00 LT	570.87
21	946+40.80	20.00 RT	89+78.88	12.00 RT	570.69
22	946+63.91	20.00 RT	89+76.86	35.02 RT	570.66
23	947+08.20	12.00 RT	89+80.97	79.84 RT	570.75
24	945+94.82	56.91 RT	89+46.11	37.01 LT	572.00
25	945+98.43	68.01 RT	89+34.74	34.39 LT	572.17
26	946+42.98	44.94 RT	89+53.84	12.00 RT	571.07
27	946+32.95	67.98 RT	89+31.76	0.00 LT	572.17
28	946+44.97	44.77 RT	89+53.84	14.00 RT	571.03
29	946+63.91	24.00 RT	89+72.88	34.68 RT	570.65
30	947+11.76	24.50 RT	89+68.21	82.30 RT	570.50
31	948+01.02	12.00 RT	89+72.88	172.32 RT	570.67
32	946+67.47	67.95 RT	89+28.78	34.39 RT	572.17
33	946+09.45	101.92 RT	89+00.00	26.37 LT	572.22
34	946+63.29	97.21 RT	89+00.00	27.68 RT	571.73
35	946+25.68	151.87 RT	88+50.00	15.50 LT	571.99
36	946+63.85	145.52 RT	88+50.00	23.19 RT	570.89
37	946+40.17	196.47 RT	88+05.24	12.00 LT	571.72
38	946+41.90	201.65 RT	88+00.00	12.00 LT	571.69
39	946+71.71	191.38 RT	88+00.00	19.53 RT	570.43
40	946+62.84	249.18 RT	87+50.00	12.00 RT	571.47
41	946+86.84	236.12 RT	87+50.00	15.33 RT	570.44
42	946+84.33	283.87 RT	87+10.16	12.00 LT	570.89
43	947+04.40	270.71 RT	87+10.16	12.00 RT	571.12
44	946+89.90	292.37 RT	87+00.00	12.00 LT	571.04
45	947+09.97	279.21 RT	87+00.00	12.00 RT	570.52

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	221



REVISIONS		
NAME	DATE	

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 08/21/02

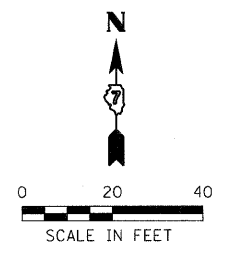
DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

COMPUTER FILE NO. INT-02-B
 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPRINGFIELD

DESIGN		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	222
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*(5,6)Y,RS-2,6BR-7				
CONTRACT NO. 94437				

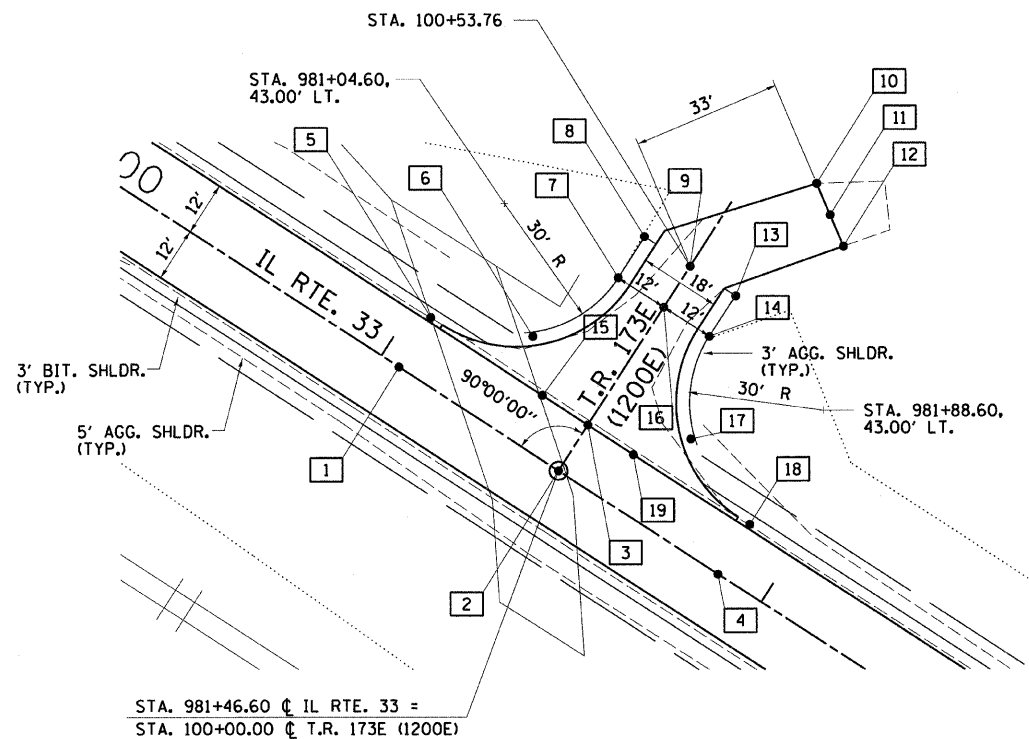


PLAN	BY	DATE
REVISIONS PLOTTED ALIGNMENT CHECKED CADD FILE NAME		
NOTE BOOK NO.		

PLOTS & CHECKS		
INT.	DATE	REASON

PROFILE	BY	DATE
REVISIONS PLOTTED GRADES CHECKED STRUCTURE NOTATIONS CHECKED		
NOTE BOOK NO.		

CHECKS		
INT.	DATE	REASON



T.R. 173E (1200N)					
BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG T.R. 173E	OFFSET FEET	ELEVATION FEET
1	981+04.60	0.00 RT	100+00.00	42.00 LT	564.78
2	981+46.60	0.00 RT	100+00.00	0.00 RT	564.81
3	981+46.60	12.00 LT	100+12.00	0.00 LT	564.63
4	981+88.60	0.00 RT	100+00.00	42.00 RT	564.88
5	981+04.60	13.00 LT	100+13.00	42.00 LT	564.59
6	981+25.81	21.79 LT	100+21.79	20.79 LT	564.00
7	981+34.60	43.00 LT	100+43.00	12.00 LT	563.41
8	981+34.60	53.76 LT	100+53.76	12.00 LT	563.27
9	981+46.60	53.76 LT	100+53.76	0.00 LT	563.51
10	981+60.23	84.30 LT	N/A	N/A	563.47
11	981+66.47	80.07 LT	N/A	N/A	563.33
12	981+72.72	75.84 LT	N/A	N/A	563.19
13	981+58.60	53.76 LT	100+53.76	12.00 RT	563.27
14	981+58.60	43.00 LT	100+43.00	12.00 RT	563.41
15	981+34.60	12.00 LT	100+12.00	12.00 LT	564.62
16	981+46.60	43.00 LT	100+43.00	0.00 LT	563.65
17	981+67.39	21.79 LT	100+21.79	20.78 RT	564.36
18	981+88.60	13.00 LT	100+13.00	42.00 RT	564.69
19	981+58.60	12.00 LT	100+12.00	12.00 RT	564.65

T.R. 173E (1200N)

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. DRAWN BY: JAMESON
 HORIZ. DESIGNED BY: COLBROOK
 DATE: 08/21/02 CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 CIVIL ENGINEERS
 PROFESSIONAL ENGINEERS
 LICENSE NO. 060191
 801 N. 10th St., Springfield, IL 62761-4401
 TEL: 217-223-8844 FAX: 217-223-8227

COMPUTER FILE NO.
 INT-03-B
 PROJECT 01256
 2/26/10-FAV

REVISIONS	
NAME	DATE

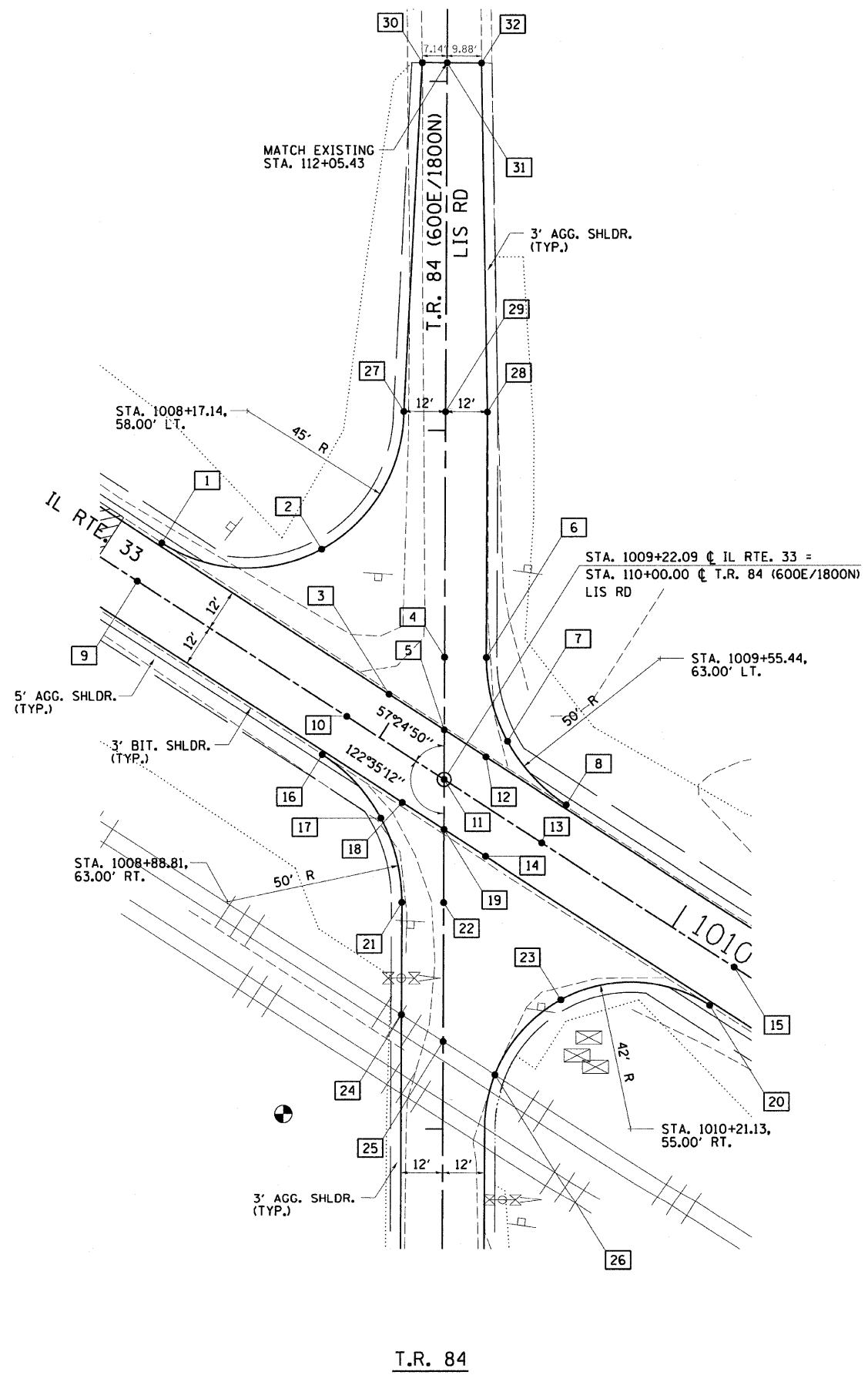
INT.	DATE	REASON

DESIGN	DATE	REASON

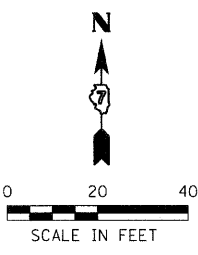
INT.	DATE	REASON

INT.	DATE	REASON

INT.	DATE	REASON



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	223
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* (5,6)Y,RS-2,6BR-7 CONTRACT NO. 94437				



BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG T.R. 84	OFFSET FEET	ELEVATION FEET
1	1008+17.14	13.00 LT	110+67.57	81.33 LT	563.52
2	1008+56.67	36.42 LT	110+65.93	35.43 LT	563.11
3	1008+95.49	12.00 LT	110+24.44	15.93 LT	563.36
4	1009+03.15	29.60 LT	110+35.13	0.00 RT	563.11
5	1009+14.41	12.00 LT	110+14.24	0.00 LT	563.31
6	1009+13.27	36.07 LT	110+35.13	12.00 RT	562.87
7	1009+31.41	19.14 LT	110+11.11	18.16 RT	563.16
8	1009+55.44	13.00 LT	109+93.01	35.10 RT	563.19
9	1008+17.15	0.00 RT	110+56.61	88.35 LT	563.71
10	1008+88.81	0.00 LT	110+17.93	28.03 LT	563.55
11	1009+22.08	0.00 LT	110+00.01	0.00 RT	563.47
12	1009+28.66	12.00 LT	110+06.57	12.00 RT	563.28
13	1009+55.45	0.00 LT	109+82.04	28.12 RT	563.38
14	1009+43.99	12.00 RT	109+78.10	12.00 RT	563.24
15	1010+21.13	0.00 LT	109+46.76	83.51 RT	563.10
16	1008+88.81	13.00 RT	110+06.98	35.04 LT	563.36
17	1009+12.80	19.14 RT	109+88.88	18.14 LT	563.30
18	1009+15.52	12.00 RT	109+93.43	12.00 LT	563.31
19	1009+29.75	12.00 RT	109+85.76	0.00 RT	563.27
20	1010+21.13	13.00 RT	109+35.79	76.54 RT	562.90
21	1009+30.89	36.06 RT	109+64.88	12.00 LT	563.23
22	1009+40.99	29.60 RT	109+64.88	0.00 RT	563.05
23	1009+84.35	34.80 RT	109+37.16	33.78 RT	562.90
24	1009+48.21	63.22 RT	109+32.65	12.00 LT	564.60
25	1009+62.39	63.17 RT	109+25.05	0.00 RT	564.60
26	1009+79.99	63.11 RT	109+15.62	14.89 RT	564.60
27	1008+55.07	82.31 LT	111+05.42	12.00 LT	562.69
28	1008+75.31	95.27 LT	111+05.42	12.00 RT	562.69
29	1008+65.19	88.79 LT	111+05.42	0.00 RT	562.93
30	1008+04.97	169.08 LT	112+05.42	7.14 LT	563.38
31	1008+11.00	172.94 LT	112+05.42	0.00 RT	563.56
32	1008+19.34	178.28 LT	112+05.42	9.88 RT	563.38

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

<p>SCALE: VERT. _____ HORIZ. _____ DATE: 08/21/02</p>	<p>DRAWN BY: JAMESON DESIGNED BY: COLBROOK CHECKED BY: COLBROOK</p>
<p>GREENE & BRADFORD, INC. OF SPRINGFIELD PROFESSIONAL ENGINEER ILLINOIS LICENSE NO. 0216-0121</p>	<p>COMPUTER FILE NO. INT-03-C PROJECT 01256 2/26/10-FAV</p>

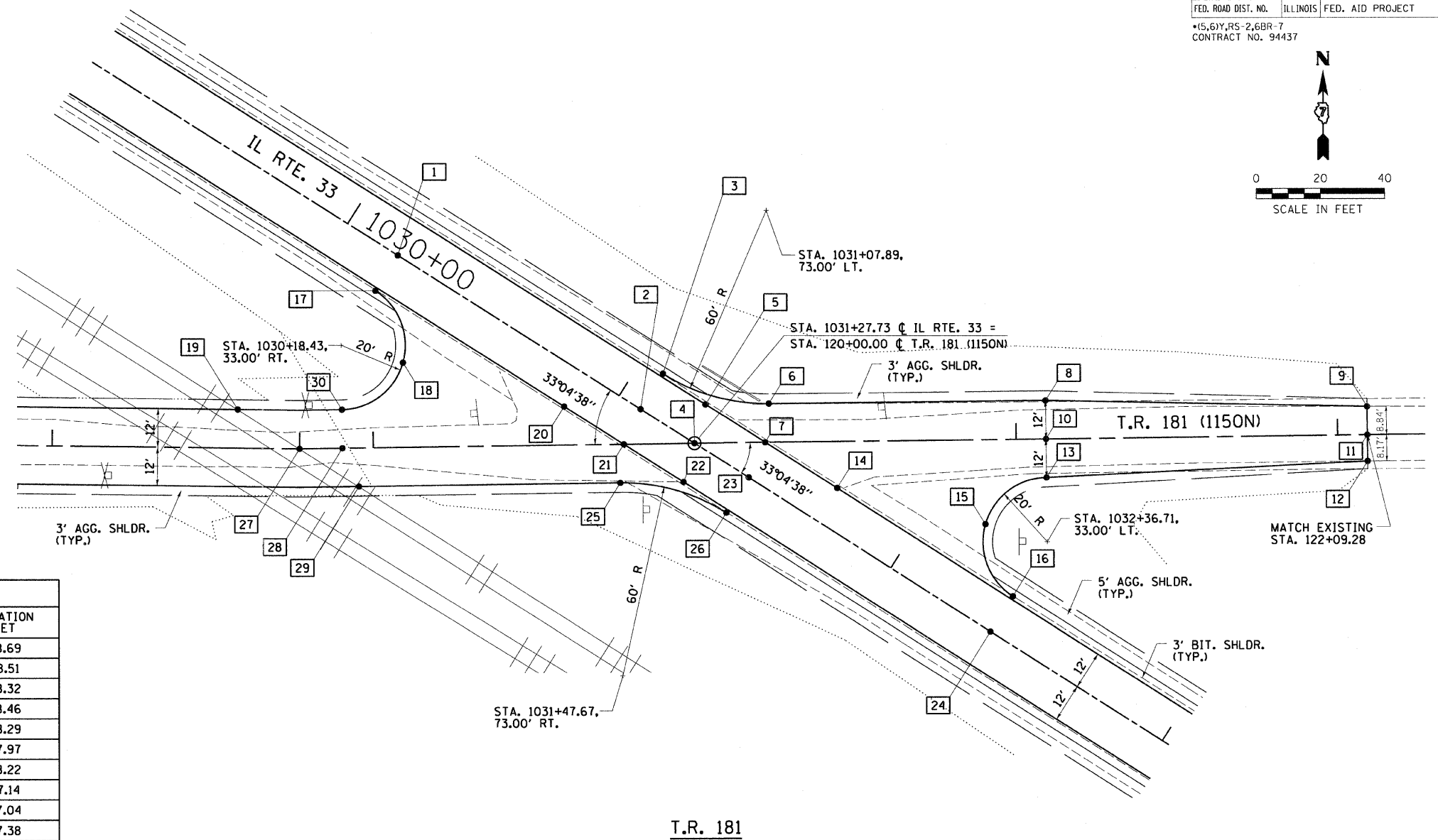
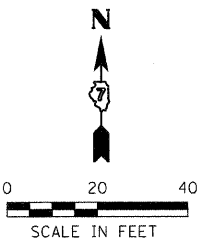
REVISIONS	
NAME	DATE

DESIGN	
INT.	REASON

CHECKS	
INT.	REASON

CHECKS	
INT.	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	224
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*15.6Y,RS-2,6BR-7 CONTRACT NO. 94437				



T.R. 181 (1150N)					
BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG T.R. 181	OFFSET FEET	ELEVATION FEET
1	1030+18.43	0.00 RT	119+08.41	59.65 LT	558.69
2	1031+07.89	0.00 LT	119+83.37	10.83 LT	558.51
3	1031+07.89	13.00 LT	119+90.47	21.72 LT	558.32
4	1031+27.73	0.00 LT	120+00.00	0.00 RT	558.46
5	1031+24.17	12.00 LT	120+03.57	12.00 LT	558.29
6	1031+40.60	22.73 LT	120+23.21	12.00 LT	557.97
7	1031+46.11	12.00 LT	120+21.96	0.00 RT	558.22
8	1032+12.64	69.83 LT	121+09.29	12.00 LT	557.14
9	1032+98.07	121.90 LT	122+09.28	8.84 LT	557.04
10	1032+19.20	59.79 LT	121+09.28	0.00 RT	557.38
11	1033+02.90	114.50 LT	122+09.28	0.00 RT	557.04
12	1033+07.38	107.66 LT	122+09.28	8.17 RT	556.86
13	1032+25.77	49.74 LT	121+09.28	12.00 RT	557.14
14	1031+72.59	12.00 LT	120+44.13	14.49 RT	558.16
15	1032+17.55	27.29 LT	120+90.12	26.29 RT	557.58
16	1032+36.71	13.00 LT	120+98.34	48.74 RT	558.04
17	1030+18.43	13.00 RT	119+01.32	48.76 LT	558.50
18	1030+37.61	27.31 RT	119+09.58	26.31 LT	558.95
19	1030+01.90	67.07 RT	118+57.65	12.00 LT	560.22
20	1030+87.32	12.00 RT	119+59.59	12.00 LT	558.38
21	1031+09.31	12.00 RT	119+78.01	0.00 RT	558.33
22	1031+31.30	12.00 RT	119+96.44	12.00 RT	558.27
23	1031+47.67	0.00 LT	120+16.70	10.90 RT	558.40
24	1032+36.71	0.00 LT	120+91.23	59.62 RT	558.23
25	1031+14.80	22.74 RT	119+76.75	12.00 RT	557.93
26	1031+47.67	13.00 RT	120+09.58	21.78 RT	558.21
27	1030+24.70	67.11 RT	118+77.04	0.00 RT	560.22
28	1030+35.90	59.81 RT	118+90.41	0.00 RT	559.64
29	1030+46.63	67.14 RT	118+95.40	12.00 RT	560.22
30	1030+29.35	49.76 RT	118+90.41	12.00 LT	559.40

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (15.6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. DRAWN BY: JAMESON
 HORIZ. DESIGNED BY: COLBROOK
 DATE: 08/21/02 CHECKED BY: COLBROOK

REVISIONS

NAME	DATE

COMPUTER FILE NO.
 INT-04-A
 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 REGISTERED PROFESSIONAL ENGINEERS
 PROFESSIONAL & STRUCTURAL ENGINEERING CORPORATION
 601 N. WASHINGTON ST., SPRINGFIELD, IL 62762

DESIGN	INT.	DATE	REASON

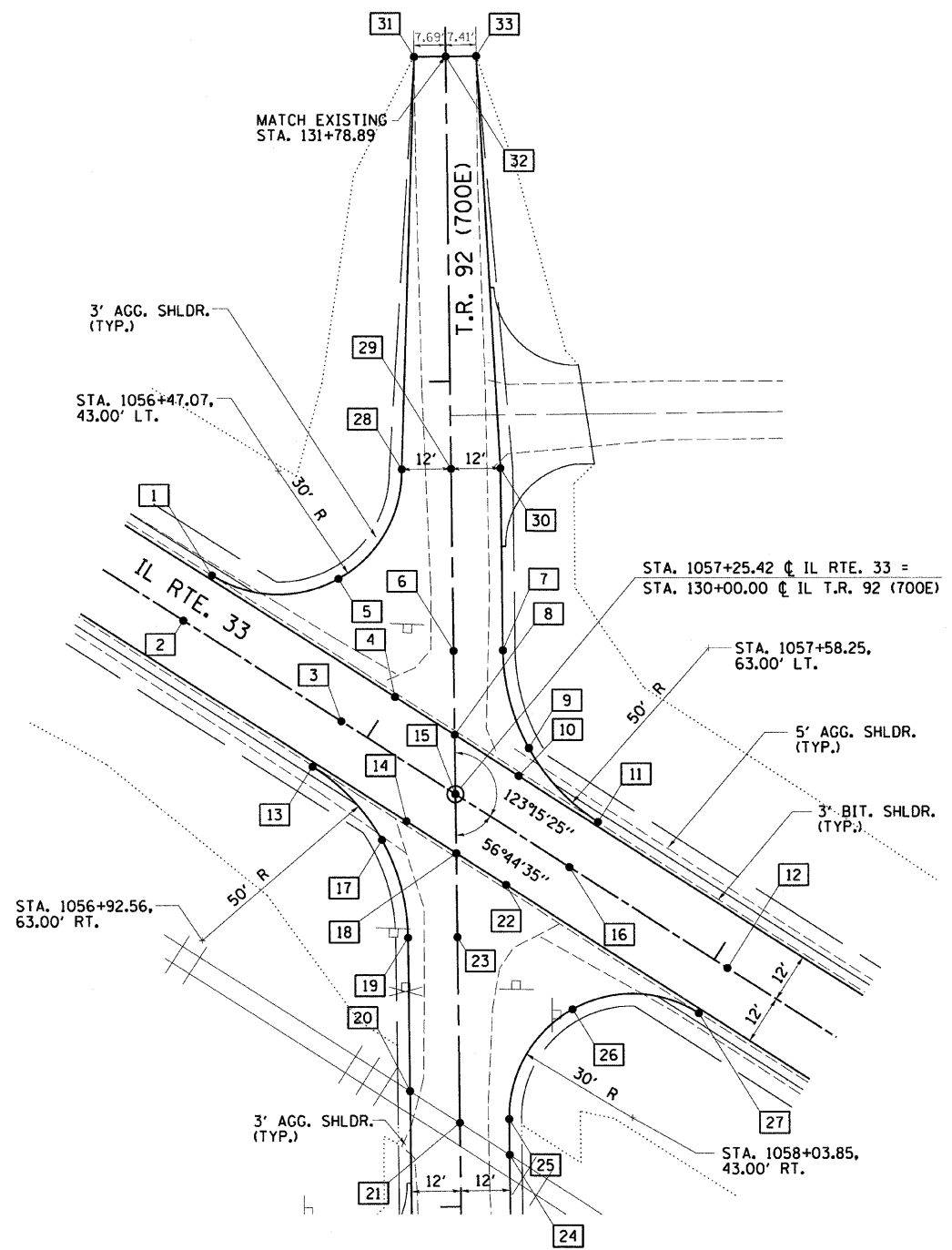
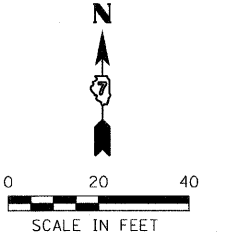
PLAN	BY	DATE

PLOTS & CHECKS	INT.	DATE	NO.	REASON

PROFILE	BY	DATE

CHECKS	INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	225
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*15.61Y.R5-2.6BR-7 CONTRACT NO. 94437				



BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG T.R. 92	OFFSET FEET	ELEVATION FEET
1	1056+47.07	13.00 LT	130+53.79	58.43 LT	558.52
2	1056+47.07	0.00 RT	130+42.92	65.55 LT	558.71
3	1056+92.56	0.00 RT	130+18.00	27.49 LT	558.82
4	1057+00.38	12.00 LT	130+23.76	14.38 LT	558.66
5	1056+73.46	28.73 LT	130+52.50	27.73 LT	558.24
6	1057+06.43	29.01 LT	130+34.68	0.00 RT	558.52
7	1057+16.47	35.59 LT	130+34.68	12.00 RT	558.28
8	1057+17.57	12.00 LT	130+14.34	0.00 RT	558.73
9	1057+34.49	19.01 LT	130+10.92	18.01 RT	558.66
10	1057+36.01	12.00 LT	130+04.23	15.43 RT	558.79
11	1057+58.25	13.00 LT	129+92.87	34.58 RT	558.86
12	1058+03.85	0.00 RT	129+56.99	65.58 RT	559.17
13	1056+92.56	13.00 RT	130+07.12	34.61 LT	558.63
14	1057+18.93	12.00 RT	129+93.52	12.00 LT	558.74
15	1057+25.42	0.00 RT	130+00.00	0.00 RT	558.94
16	1057+58.25	0.00 RT	129+82.00	27.45 RT	559.05
17	1057+16.34	19.02 RT	129+89.07	18.02 LT	558.57
18	1057+33.29	12.00 RT	129+85.65	0.00 RT	558.79
19	1057+34.42	35.61 RT	129+65.29	12.00 LT	558.51
20	1057+54.81	66.70 RT	129+28.11	12.00 LT	560.24
21	1057+69.15	66.68 RT	129+20.26	0.00 RT	560.24
22	1057+47.64	12.00 RT	129+77.78	12.00 RT	558.84
23	1057+44.46	29.02 RT	129+65.29	0.00 RT	558.75
24	1057+83.49	66.66 RT	129+12.41	12.00 RT	560.24
25	1057+78.76	59.45 RT	129+21.03	12.00 RT	559.96
26	1057+77.45	28.74 RT	129+47.43	27.74 RT	559.47
27	1058+03.85	13.00 RT	129+46.12	58.45 RT	558.98
28	1056+72.17	59.43 LT	130+78.89	12.00 LT	557.97
29	1056+82.21	66.00 LT	130+78.89	0.00 RT	558.21
30	1056+92.25	72.58 LT	130+78.89	12.00 RT	557.97
31	1056+21.01	145.46 LT	131+78.89	7.69 LT	558.26
32	1056+27.44	149.67 LT	131+78.89	0.00 RT	588.46
33	1056+33.64	153.73 LT	131+78.89	7.41 RT	588.52

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS

FAP ROUTE 95 (IL RTE. 33)
SECTION (5.61Y.R5-2.6BR-7)
JASPER COUNTY

SCALE: VERT. _____ HORIZ. _____ DATE: 08/21/02	DRAWN BY: JAMESON DESIGNED BY: COLBROOK CHECKED BY: COLBROOK
GREENE & BRADFORD, INC. <small>CONSULTING ENGINEERS OF SPRINGFIELD PROFESSIONAL ENGINEERING COMPANY PROFESSIONAL ENGINEER STATE NO. 0218 REGISTERED PROFESSIONAL ENGINEERS AND ARCHITECTS 920 N. GARDNER, SUITE 1100, SPRINGFIELD, IL 62782-4402 www.greenebradford.com</small>	COMPUTER FILE NO. INT-05-A PROJECT 01256 2/26/10-FAV

IDOTPL-20 - 1:20 8/25/98

F.A.P. ROUTE 95 (IL RTE. 33) JASPER COUNTY

DESIGN	INT.	DATE	REASON

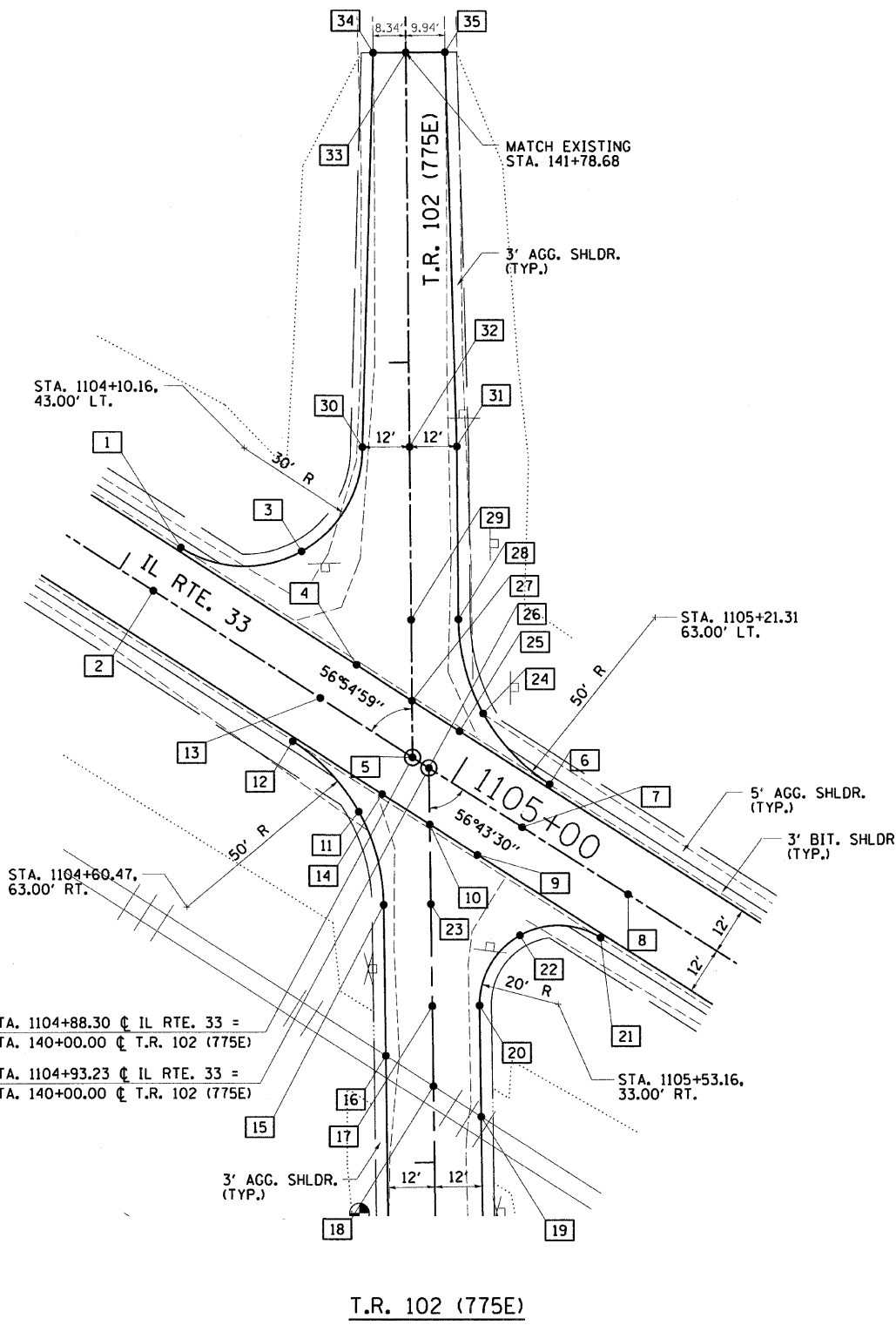
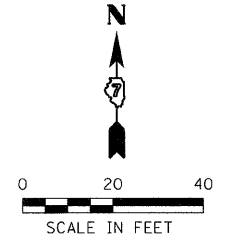
PLAN	NO.	DATE

CHECKS	INT.	DATE	REASON

PROFILE	NO.	DATE

CHECKS	INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	226
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*15,61Y,RS-2,6BR-7				
CONTRACT NO. 94437				



T.R. 102 (775E)					
BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG T.R. 102	OFFSET FEET	ELEVATION FEET
1	1104+10.16	13.00 LT	140+53.55	58.38 LT	559.57
2	1104+10.16	0.00 RT	140+42.65	65.47 LT	559.77
3	1104+36.53	28.70 LT	140+52.31	27.70 LT	559.10
4	1104+63.75	12.00 LT	140+23.46	14.02 LT	559.47
5	1104+88.30	0.00 RT	140+00.00	0.00 RT	559.59
6	1105+21.31	13.00 LT	139+95.46	30.61 RT	559.30
7	1105+21.31	0.00 RT	139+84.59	23.48 RT	559.49
8	1105+53.16	0.00 LT	139+67.12	50.11 RT	559.37
9	1105+15.45	12.00 RT	139+77.77	12.00 RT	559.33
10	1105+01.10	12.00 RT	139+85.65	0.00 RT	559.38
11	1104+84.19	18.99 RT	139+89.11	17.99 LT	559.25
12	1104+60.47	13.00 RT	140+04.30	30.41 LT	559.47
13	1104+60.47	0.00 LT	140+15.19	23.31 LT	559.66
14	1104+86.76	12.00 RT	139+93.53	12.00 LT	559.41
15	1105+02.19	35.52 RT	139+65.38	12.00 LT	559.08
16	1105+23.17	67.50 RT	139+27.14	12.00 LT	560.64
17	1105+26.40	50.56 RT	139+39.53	0.00 RT	559.81
18	1105+37.53	67.51 RT	139+19.25	0.00 RT	560.64
19	1105+51.89	67.52 RT	139+11.36	12.00 RT	560.64
20	1105+36.44	43.97 RT	139+39.53	12.00 RT	559.57
21	1105+53.16	13.00 RT	139+56.25	42.97 RT	559.18
22	1105+35.56	23.50 RT	139+57.13	22.50 RT	559.18
23	1105+12.22	28.94 RT	139+65.38	0.00 LT	559.32
24	1104+97.45	19.06 LT	140+10.99	18.06 RT	559.25
25	1104+94.82	12.00 LT	140+06.51	12.00 RT	559.39
26	1104+93.23	0.00 RT	140+00.00	0.00 RT	559.57
27	1104+80.48	12.00 LT	140+14.32	0.00 RT	559.43
28	1104+79.33	35.75 LT	140+34.85	12.00 RT	558.98
29	1104+69.27	29.20 LT	140+34.85	0.00 LT	559.22
30	1104+35.29	59.38 LT	140+78.68	12.00 LT	558.68
31	1104+55.40	72.48 LT	140+78.68	12.00 RT	558.68
32	1104+45.35	65.93 LT	140+78.68	0.00 RT	558.92
33	1103+90.76	149.71 LT	141+78.68	0.00 RT	559.07
34	1103+83.77	145.16 LT	141+78.68	8.34 LT	558.71
35	1103+99.09	155.14 LT	141+78.68	9.94 RT	558.68

REVISIONS		
NAME	DATE	

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 08/21/02

DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

COMPUTER FILE NO.
 INT-05-B
 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 CONSULTING ENGINEERS
 OF SPRINGFIELD
 100 STATE STREET, SUITE 200
 SPRINGFIELD, ILLINOIS 62762
 PROFESSIONAL ENGINEERS AND ARCHITECTS
 LICENSE NO. 001-00000000-0000-0000-0000-000000000000
 618-234-5678 FAX 618-234-5679 www.greenegb.com

DESIGN		
INT.	DATE	REASON

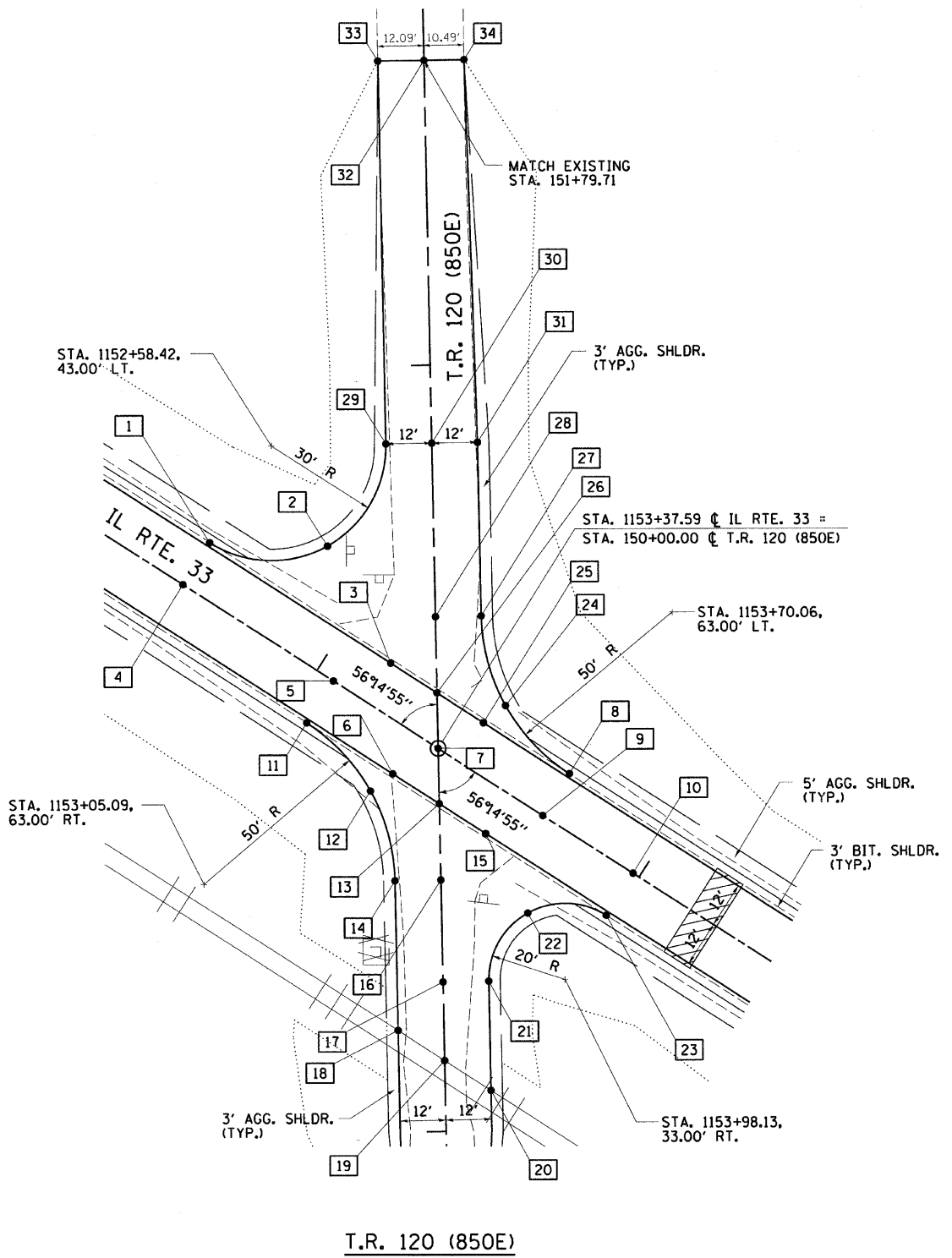
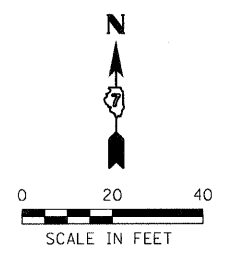
PLAN	DATE
BY	
FORWARDED	
ALIGNED	
CHECKED	
NO.	

P.O.T.S & CHECKS		
INT.	DATE	REASON

PROFILE	DATE
BY	
FORWARDED	
ALIGNED	
CHECKED	
NO.	

CHECKS		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	227
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*15.61Y.RS-2,6BR-7 CONTRACT NO. 94437				



T.R. 120 (850E)					
BOX NUMBER	STATIONING ALONG IL RTE. 33	OFFSET FEET	STATIONING ALONG T.R. 120	OFFSET FEET	ELEVATION FEET
1	1152+58.42	13.00 LT	150+54.76	58.65 LT	552.78
2	1152+84.87	28.85 LT	150+53.26	27.85 LT	552.38
3	1153+15.22	12.00 LT	150+22.40	11.95 LT	552.89
4	1152+58.42	0.00 RT	150+43.94	65.86 LT	552.98
5	1153+05.09	0.00 RT	150+18.04	27.04 LT	553.06
6	1153+31.17	12.00 RT	149+93.58	12.00 LT	552.90
7	1153+37.59	0.00 RT	150+00.00	0.00 RT	553.09
8	1153+70.06	13.00 LT	149+92.77	34.22 RT	552.88
9	1153+70.06	0.00 LT	149+81.96	27.00 RT	553.07
10	1153+98.13	0.00 LT	149+66.37	50.33 RT	553.00
11	1153+05.09	13.00 RT	150+07.22	34.25 LT	552.87
12	1153+28.67	18.91 RT	149+89.22	17.91 LT	552.73
13	1153+45.61	12.00 RT	149+85.57	0.00 RT	552.91
14	1153+46.71	35.24 RT	149+65.63	12.00 LT	552.44
15	1153+60.04	12.00 RT	149+77.55	12.00 RT	552.91
16	1153+56.69	28.58 RT	149+65.63	0.00 RT	552.68
17	1153+71.52	50.78 RT	149+38.93	0.00 RT	553.15
18	1153+68.46	67.79 RT	149+26.49	12.00 LT	554.10
19	1153+82.88	67.78 RT	149+18.48	0.00 RT	554.10
20	1153+97.31	67.77 RT	149+10.47	12.00 RT	554.10
21	1153+81.50	44.11 RT	149+38.93	12.00 RT	552.91
22	1153+80.49	23.57 RT	149+56.57	22.57 RT	552.70
23	1153+98.13	13.00 RT	149+55.56	43.11 RT	552.82
24	1153+46.49	18.90 LT	150+10.77	17.90 RT	552.74
25	1153+44.01	12.00 LT	150+06.41	12.00 RT	552.91
26	1153+29.58	12.00 LT	150+14.43	0.00 LT	552.90
27	1153+28.52	35.23 LT	150+34.34	12.00 RT	552.45
28	1153+18.53	28.57 LT	150+34.34	0.00 RT	552.69
29	1152+83.37	59.65 LT	150+79.71	12.00 LT	551.98
30	1152+93.35	66.31 LT	150+79.71	0.00 LT	552.22
31	1153+03.34	72.97 LT	150+79.71	12.00 RT	551.98
32	1152+37.86	149.50 LT	151+79.71	0.00 RT	551.70
33	1152+27.80	142.79 LT	151+79.71	12.09 LT	551.58
34	1152+46.58	155.32 LT	151+79.71	10.49 RT	551.47

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

REVISIONS	
NAME	DATE

SCALE: VERT. _____
HORIZ. _____
DATE: 08/21/02

DRAWN BY: JAMESON
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
OF SPRINGFIELD

COMPUTER FILE NO.
INT-06-A
PROJECT 01256
2/26/10-FAV

DESIGN		
INT.	DATE	REASON

PLAN	REVISION	DATE

P.O.T.S & CHECKS		
INT.	DATE	REASON

PROFILE	REVISION	DATE

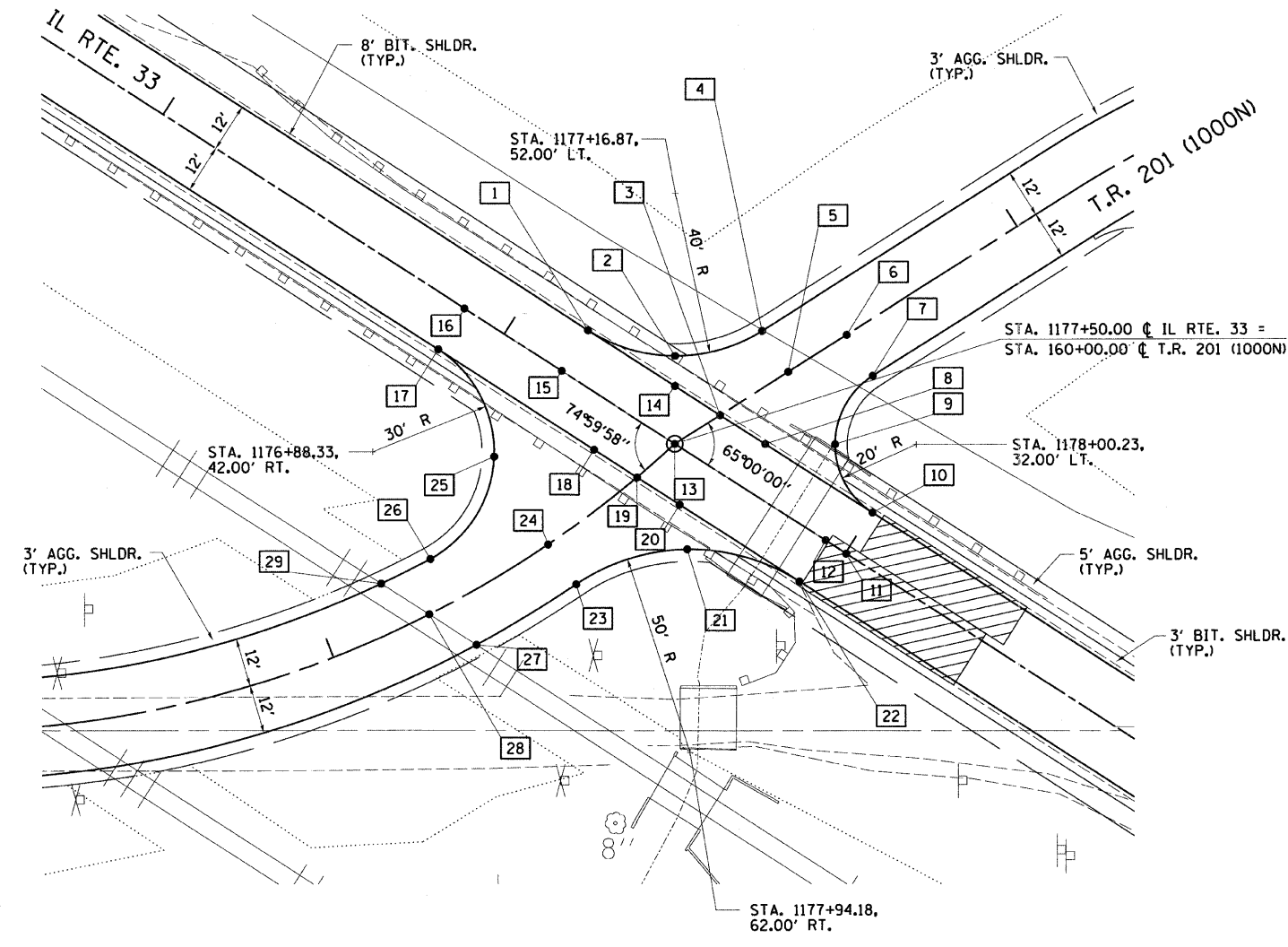
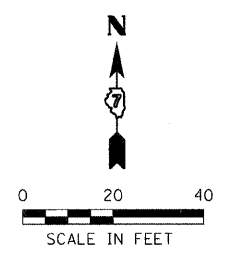
CHECKS		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	228

STA. _____ TO STA. _____

FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT

*15.61Y,RS-2,6BR-7
CONTRACT NO. 94437



T.R. 201 (1000N)					
BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG T.R. 201	OFFSET FEET	ELEVATION FEET
1	1177+16.87	12.00 LT	160+00.00	35.23 LT	553.67
2	1177+38.36	18.26 LT	160+11.63	18.26 LT	553.50
3	1177+55.59	12.00 LT	160+13.24	0.00 RT	553.69
4	1177+53.12	35.10 LT	160+33.13	12.00 LT	553.29
5	1177+64.00	30.02 LT	160+33.12	0.00 RT	553.53
6	1177+71.23	45.52 LT	160+50.23	0.00 RT	553.39
7	1177+82.10	40.45 LT	160+50.23	12.00 RT	553.17
8	1177+68.83	12.00 LT	160+18.83	12.00 RT	553.65
9	1177+83.36	21.25 LT	160+33.36	21.25 RT	553.40
10	1178+00.23	12.00 LT	160+32.10	40.45 RT	553.61
11	1178+00.23	0.00 RT	160+21.23	45.52 RT	553.79
12	1177+94.18	0.00 RT	160+18.67	40.05 RT	553.80
13	1177+50.00	0.00 RT	160+00.00	0.00 LT	553.88
14	1177+42.35	12.00 LT	160+07.64	12.00 LT	553.67
15	1177+16.87	0.00 RT	159+90.56	31.91 LT	553.85
16	1176+88.33	0.00 RT	159+80.10	59.11 LT	553.86
17	1176+88.33	12.00 RT	159+65.77	54.94 LT	553.68
18	1177+33.99	12.00 RT	159+83.62	12.00 LT	553.67
19	1177+46.58	12.00 RT	159+87.52	0.00 RT	553.70
20	1177+59.12	12.00 RT	159+91.07	12.00 RT	553.66
21	1177+66.63	20.28 RT	159+85.69	21.61 RT	553.65
22	1177+94.18	12.00 RT	160+07.80	45.12 RT	553.62
23	1177+48.20	42.37 RT	159+60.17	12.00 RT	553.75
24	1177+37.11	37.89 RT	159+59.94	0.00 RT	553.93
25	1177+14.19	26.79 RT	159+61.26	25.39 LT	554.44
26	1177+14.55	56.58 RT	159+32.60	12.00 LT	555.20
27	1177+35.53	68.23 RT	159+32.61	12.00 RT	555.38
28	1177+21.70	68.25 RT	159+25.88	0.00 RT	555.38
29	1177+07.64	68.26 RT	159+18.38	12.00 LT	555.38

T.R. 201 (1000N)

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 08/21/02

DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

COMPUTER FILE NO.
 INT-06-B
 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 CIVIL ENGINEERS
 PROFESSIONAL ENGINEERS
 LICENSE NO. 12012
 REGISTERED PROFESSIONAL ENGINEERS
 STATE OF ILLINOIS

REVISIONS	
NAME	DATE

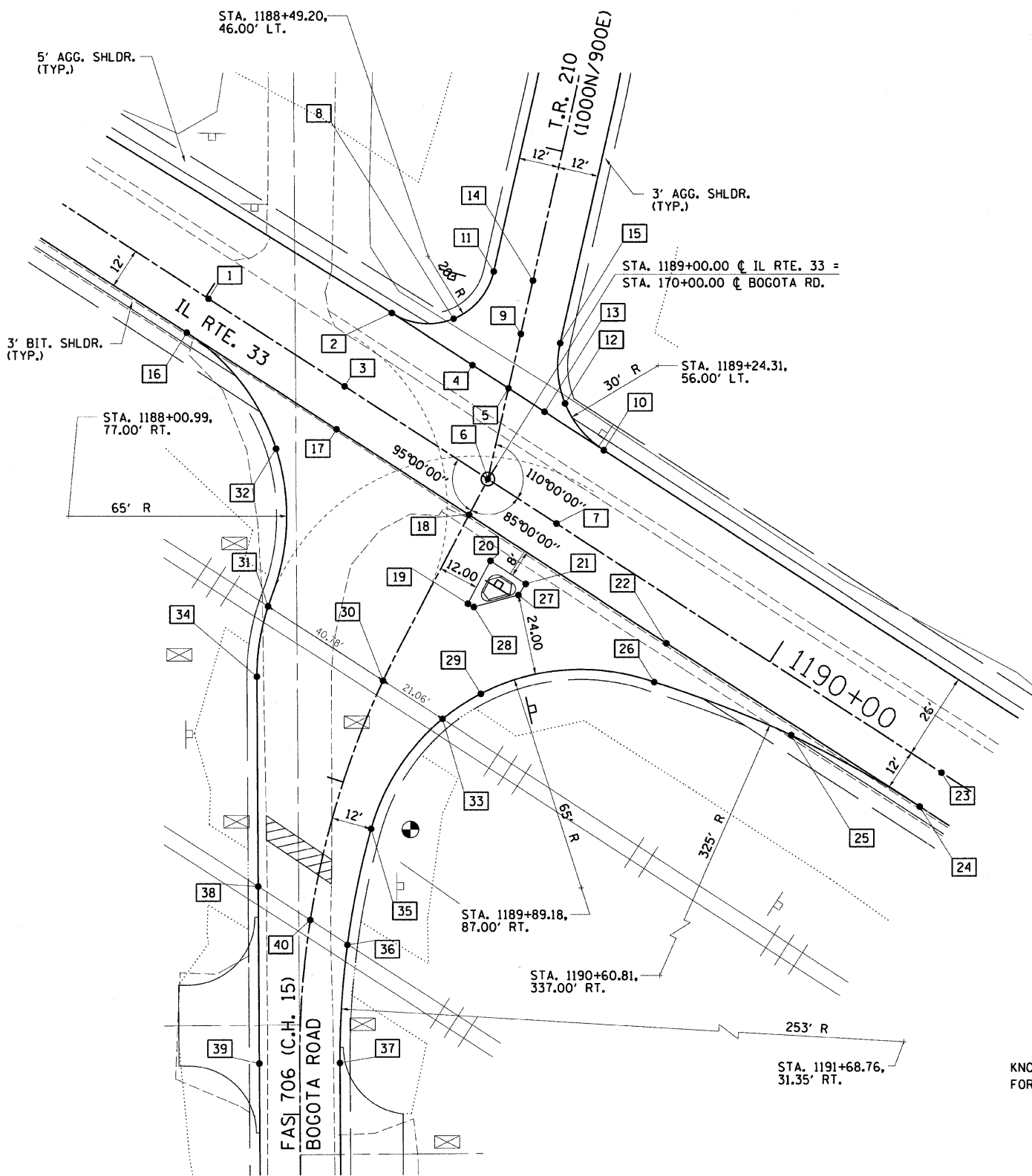
DESIGN		
INT.	DATE	REASON

PLAN		
NO.	DESCRIPTION	DATE

PLOTS & CHECKS		
INT.	DATE	REASON

PROFILE		
NO.	DESCRIPTION	DATE

CHECKS		
INT.	DATE	REASON

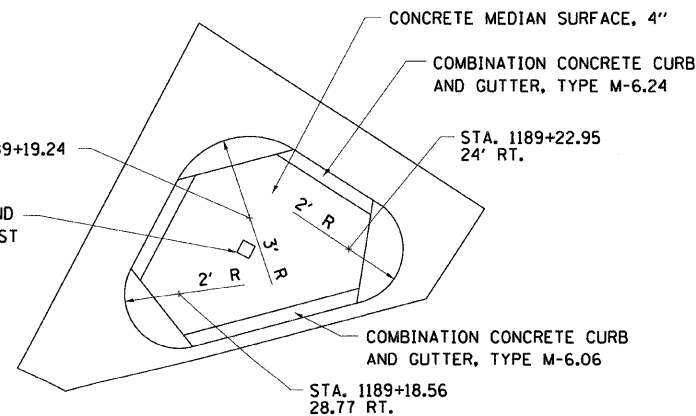
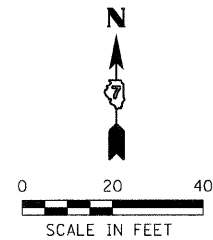


FAS 706 (C.H. 15) BOGOTA ROAD

FAS 706 (C.H. 15) BOGOTA ROAD					
BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG BOGOTA RD.	OFFSET FEET	ELEVATION FEET
1	1188+00.99	0.00 LT	170+33.87	93.04 LT	555.24
2	1188+49.20	26.00 LT	170+41.81	38.84 LT	554.78
3	1188+49.20	0.00 LT	170+17.38	47.73 LT	555.17
4	1188+77.77	26.00 LT	170+32.04	12.00 LT	554.78
5	1188+90.54	26.00 LT	170+27.67	0.00 RT	554.83
6	1189+00.00	0.00 RT	170+00.00	0.00 RT	555.22
7	1189+24.31	0.00 LT	169+97.88	24.22 RT	555.20
8	1188+65.59	34.53 LT	170+44.22	20.53 LT	554.53
9	1188+84.84	41.64 LT	170+44.31	0.00 LT	554.66
10	1189+24.31	26.00 LT	170+16.12	31.74 RT	554.81
11	1188+68.00	52.84 LT	170+60.60	12.00 LT	554.25
12	1189+07.11	31.43 LT	170+27.10	17.43 RT	554.65
13	1188+93.31	26.00 LT	170+23.30	12.00 RT	554.80
14	1188+79.27	56.95 LT	170+60.60	0.00 LT	554.49
15	1188+96.12	45.74 LT	170+44.31	12.00 RT	554.42
16	1188+00.99	12.00 RT	170+22.59	97.14 LT	555.06
17	1188+54.07	12.00 RT	169+92.05	46.80 LT	554.98
18	1189+01.05	12.00 RT	169+87.96	0.00 LT	555.04
19	1189+15.05	34.31 RT	169+64.51	12.00 RT	554.86
20	1189+13.80	20.00 RT	169+78.88	12.00 RT	554.93
21	1189+26.33	20.05 RT	169+77.74	24.48 RT	554.94
22	1189+71.05	12.00 RT	169+81.86	69.74 RT	555.02
23	1190+60.81	0.00 LT	169+85.99	160.20 RT	555.28
24	1190+60.81	12.00 RT	169+74.03	159.16 RT	555.10
25	1190+17.16	14.95 RT	169+74.90	115.41 RT	554.95
26	1189+74.29	23.73 RT	169+69.89	71.94 RT	554.65
27	1189+26.32	24.00 RT	169+73.80	24.12 RT	554.90
28	1189+17.04	34.13 RT	169+64.51	14.00 RT	554.83
29	1189+32.76	54.73 RT	169+42.31	27.85 RT	555.35
30	1189+06.19	67.23 RT	169+32.49	0.00 RT	555.60
31	1188+65.41	67.20 RT	169+37.30	40.45 LT	555.60
32	1188+42.10	26.65 RT	169+78.50	60.00 LT	554.60
33	1189+27.25	67.25 RT	169+29.37	20.84 RT	555.60
34	1188+73.94	86.55 RT	169+19.42	34.93 LT	555.69
35	1189+27.09	106.24 RT	168+88.84	12.00 RT	555.79
36	1189+39.72	138.82 RT	168+52.21	12.00 RT	555.95
37	1189+65.22	182.38 RT	168+00.00	12.00 RT	555.06
38	1189+08.10	138.83 RT	168+64.83	16.95 LT	555.95
39	1189+45.12	195.51 RT	168+00.00	12.00 LT	555.06
40	1189+26.53	138+82 RT	168+57.81	0.00 RT	555.95

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	229

STA. TO STA.
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
*15.61Y,RS-2,6BR-7
CONTRACT NO. 94437



ISLAND DETAIL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT.
 HORIZ.
 DATE: 08/21/02

DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK
 COMPUTER FILE NO.
 INT-07-A
 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 CIVIL ENGINEERS
 1501 N. WASHINGTON ST., SUITE 200
 SPRINGFIELD, ILLINOIS 62761
 (618) 261-1111 FAX (618) 261-1112
 WWW.GREENE-AND-BRADFORD.COM

DESIGN		
INT.	DATE	REASON

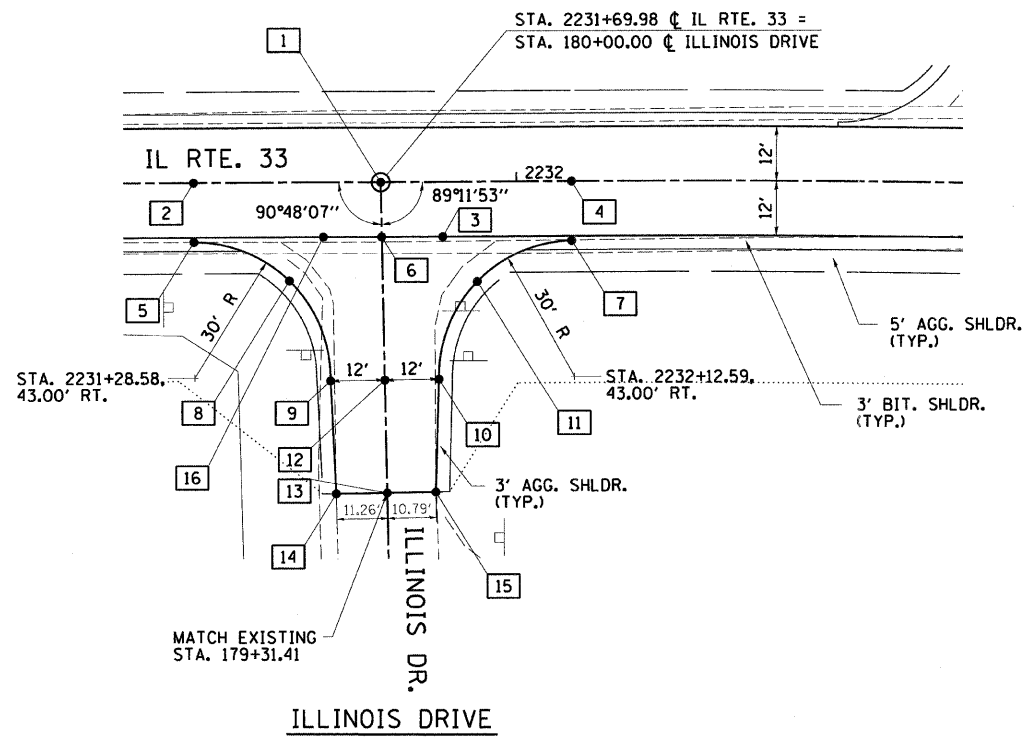
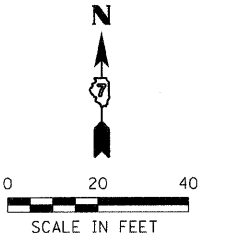
PLAN	BY	DATE

P.O.T.S & CHECKS		
INT.	DATE	REASON

PROFILE	BY	DATE

CHECKS		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	230
STA. _____ TO STA. _____				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*(5,6)Y,RS-2,6BR-7				
CONTRACT NO. 94437				



ILLINOIS DRIVE					
BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG ILLINOIS DRIVE	OFFSET FEET	ELEVATION FEET
1	2231+69.98	0.00 RT	180+00.00	0.00 RT	557.63
2	2231+28.58	0.00 RT	N/A	N/A	557.83
3	2231+83.67	12.00 RT	179+87.81	13.52 RT	557.30
4	2232+12.20	0.00 LT	179+99.41	42.21 RT	557.43
5	2231+28.58	13.00 RT	179+87.58	41.58 LT	557.60
6	2231+70.15	12.00 RT	179+88.00	0.00 RT	557.37
7	2232+12.17	13.00 RT	179+86.41	42.00 RT	557.11
8	2231+49.64	21.64 RT	179+78.65	20.64 LT	557.26
9	2231+58.59	43.76 RT	179+56.41	12.00 LT	556.91
10	2231+82.59	43.42 RT	179+56.41	12.00 RT	556.91
11	2231+91.22	21.94 RT	179+77.77	20.94 RT	557.01
12	2231+70.59	43.59 RT	179+56.41	0.00 RT	557.15
13	2231+70.94	68.59 RT	179+31.41	0.00 RT	556.77
14	2231+59.68	68.74 RT	179+31.41	11.26 LT	556.39
15	2231+81.72	68.43 RT	179+31.41	10.79 RT	556.53
16	2231+57.21	12.00 RT	179+88.18	12.94 LT	557.44

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 08/21/02

DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

COMPUTER FILE NO.
 INT-07-B
 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 PROFESSIONAL ENGINEERS
 LICENSE NO. 0011
 REGISTERED PROFESSIONAL ENGINEERS, ILLINOIS

REVISIONS	
NAME	DATE

DESIGN		
INT.	DATE	REASON

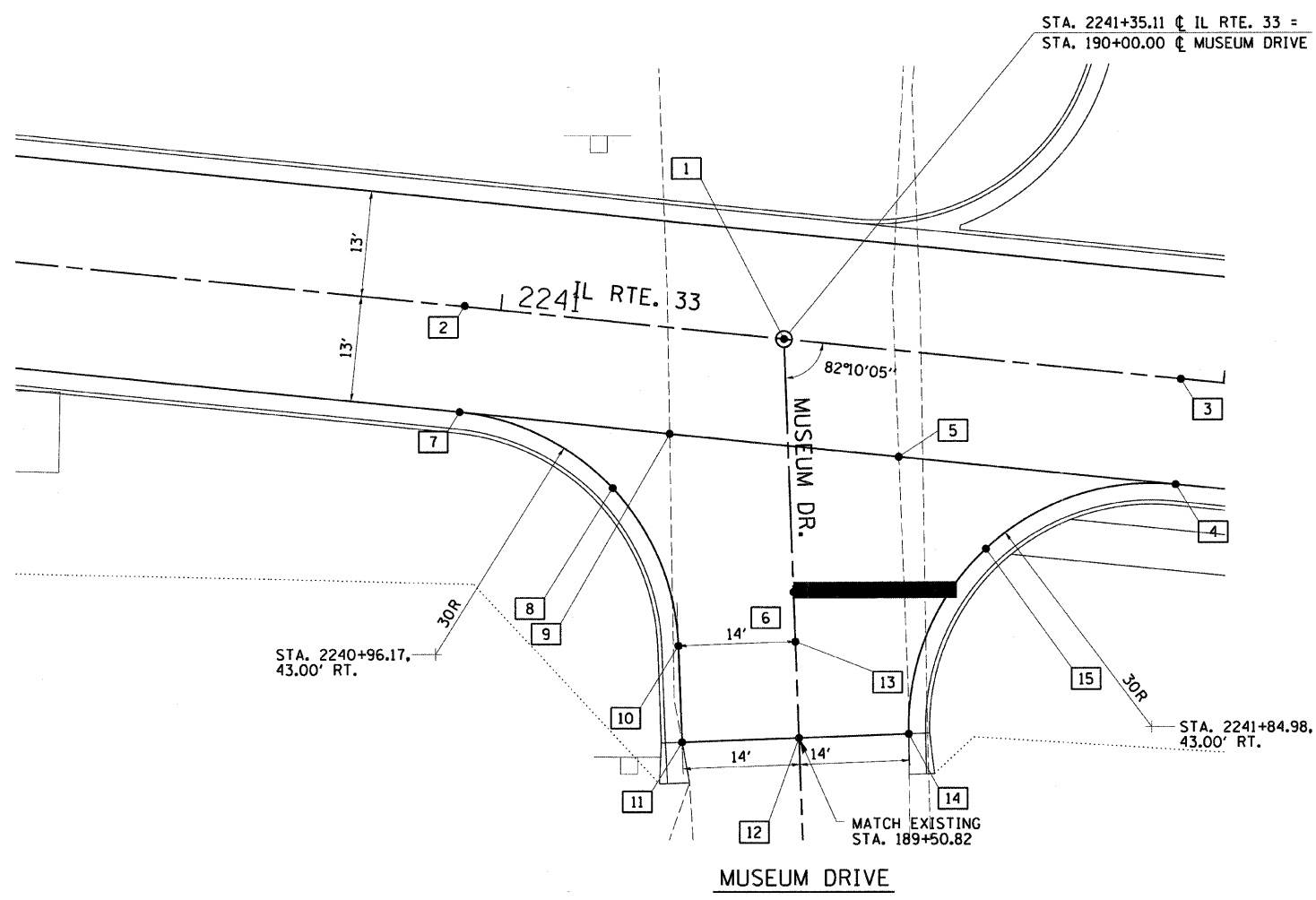
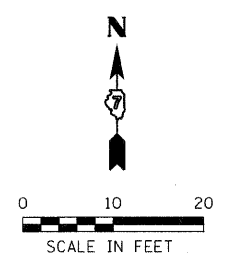
PLAN	NO.	BY	DATE	REASON

P.LOTS & CHECKS		
INT.	DATE	REASON

PROFILE	NO.	BY	DATE	REASON

CHECKS		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	231
STA. _____ TO STA. _____				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
*(5,6)Y,RS-2,6BR-7				
CONTRACT NO. 94437				



MUSEUM DRIVE					
BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG MUSEUM DRIVE	OFFSET FEET	ELEVATION FEET
1	2241+35.11	0.00 RT	190+00.00	0.00 LT	553.06
2	2240+96.17	0.00 RT	N/A	N/A	553.24
3	2241+84.98	0.00 RT	189+93.21	49.40 RT	552.82
4	2241+84.98	13.00 RT	189+80.33	47.63 RT	552.63
5	2241+50.64	13.00 RT	189+85.01	13.62 RT	552.80
6	2241+36.90	13.00 RT	189+86.88	0.00 LT	552.86
7	2240+96.17	13.00 RT	189+92.43	40.35 LT	553.08
8	2241+5.89	20.39 RT	189+82.42	21.82 LT	552.82
9	2241+22.33	13.00 RT	189+88.86	14.43 LT	552.93
10	2241+25.89	38.91 RT	189+62.71	14.43 LT	552.61
11	2241+27.51	50.69 RT	189+50.82	14.43 LT	552.52
12	2241+41.81	48.72 RT	189+50.82	0.00 LT	552.72
13	2241+40.19	36.94 RT	189+62.71	0.00 LT	552.80
14	2241+55.23	46.88 RT	189+50.82	13.55 RT	552.41
15	2241+62.44	23.21 RT	189+73.29	23.91 RT	552.52

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

REVISIONS	
NAME	DATE

SCALE: VERT. _____
 HORIZ. _____
 DATE: 08/21/02

DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

COMPUTER FILE NO.
 INT-07-C
 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPANFORD
CORPORATE HEADQUARTERS
 350 SOUTH MAIN STREET
 SPANFORD, INDIANA 46784
PROFESSIONAL ENGINEER LICENSE NO. 154-00115
 REGISTERED PROFESSIONAL LAND SURVEYOR LICENSE NO. 154-00115
 CIVIL ENGINEER LICENSE NO. 154-00115

DESIGN		
INT.	DATE	REASON

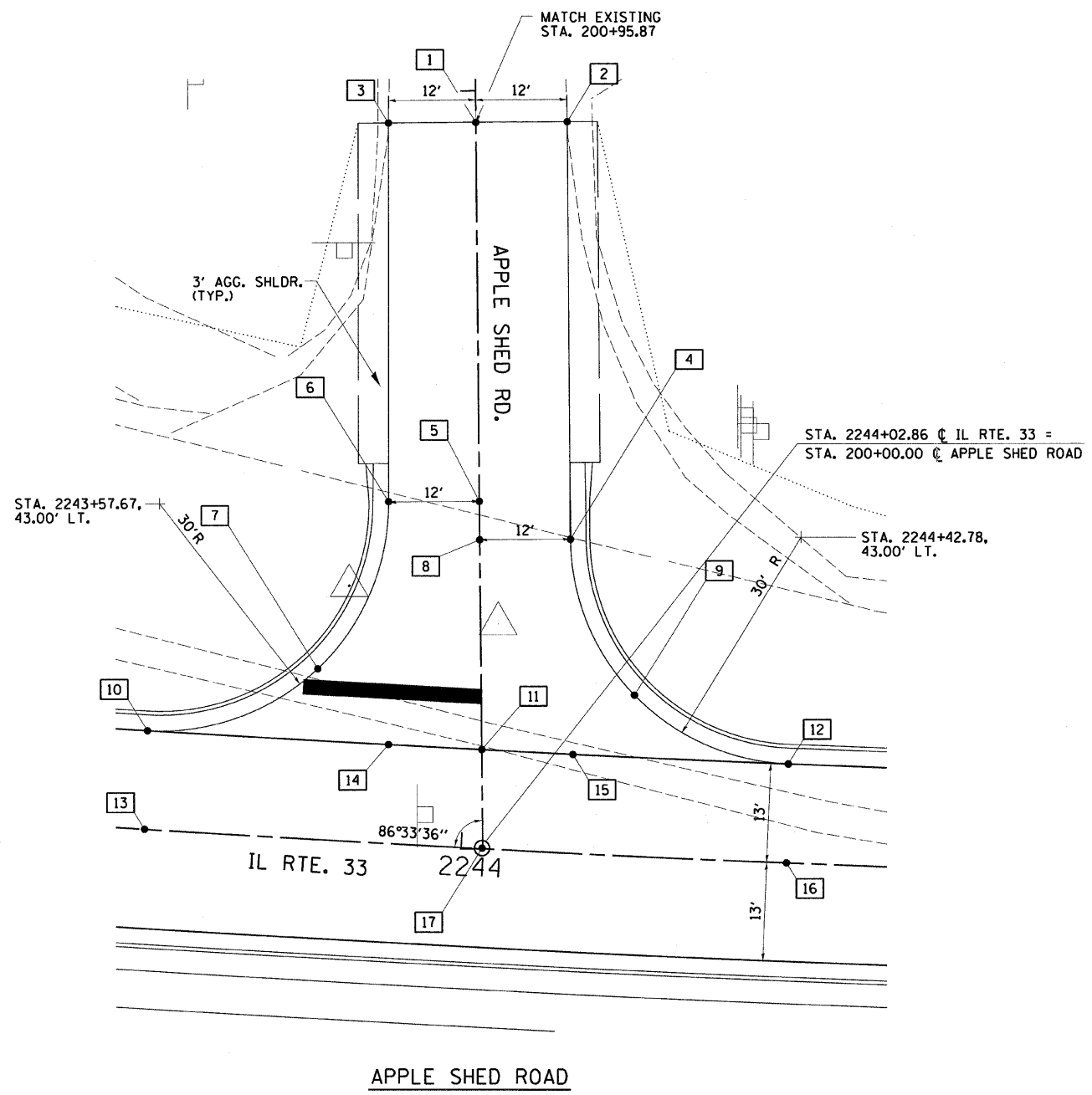
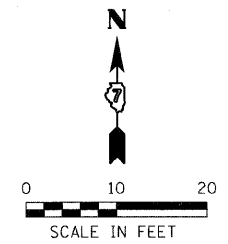
DATE	BY	REVISION

PLOTS & CHECKS		
INT.	DATE	REASON

DATE	BY	REVISION

CHECKS		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	.	JASPER	546	232
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*15,61Y,RS-2,6BR-7 CONTRACT NO. 94437				



APPLE SHED ROAD					
BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG APPLE SHED ROAD	OFFSET FEET	ELEVATION FEET
1	2243+96.96	95.69 LT	200+95.87	0.00 RT	549.44
2	2244+09.32	96.41 LT	200+95.87	12.08 RT	548.97
3	2243+85.13	94.96 LT	200+95.87	11.55 LT	549.37
4	2244+12.49	41.39 LT	200+40.76	12.00 RT	550.44
5	2244+00.07	45.78 LT	200+45.87	0.00 RT	550.56
6	2243+87.95	45.04 LT	200+45.87	12.00 LT	550.32
7	2243+79.76	22.50 LT	200+23.91	21.56 LT	550.97
8	2244+00.38	40.69 LT	200+40.76	0.00 RT	550.68
9	2244+21.99	21.21 LT	200+20.08	20.27 RT	550.80
10	2243+57.67	13.00 LT	200+15.94	44.15 LT	551.61
11	2244+02.07	13.00 LT	200+13.02	0.00 RT	551.30
12	2244+42.78	13.00 LT	200+10.80	40.51 RT	550.93
13	2243+57.67	0.00 LT	200+02.98	45.09 LT	551.98
14	2243+89.72	13.00 LT	200+13.78	12.29 LT	551.39
15	2244+14.13	13.00 LT	200+12.32	12.00 RT	551.20
16	2244+42.77	0.00 LT	N/A	N/A	551.30
17	2244+02.86	0.00 LT	200+00.00	0.00 RT	551.66

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 08/21/02

DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

COMPUTER FILE NO. INT-08-A
 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
OF SPRINGFIELD
 REGISTERED PROFESSIONAL ENGINEERS
 LICENSE NO. 001-00000000
 PROFESSIONAL DESIGN FIRM NO. 001-00000000
 PROFESSIONAL & STRUCTURAL ENGINEERING CORPORATION
 2015 100 2000 2015 100 2000 2015 100 2000 2015 100 2000

REVISIONS		
NO.	NAME	DATE

DESIGN		
INT.	DATE	REASON

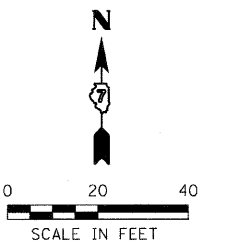
PLAN	DATE

P.O.T.S & CHECKS		
INT.	DATE	REASON

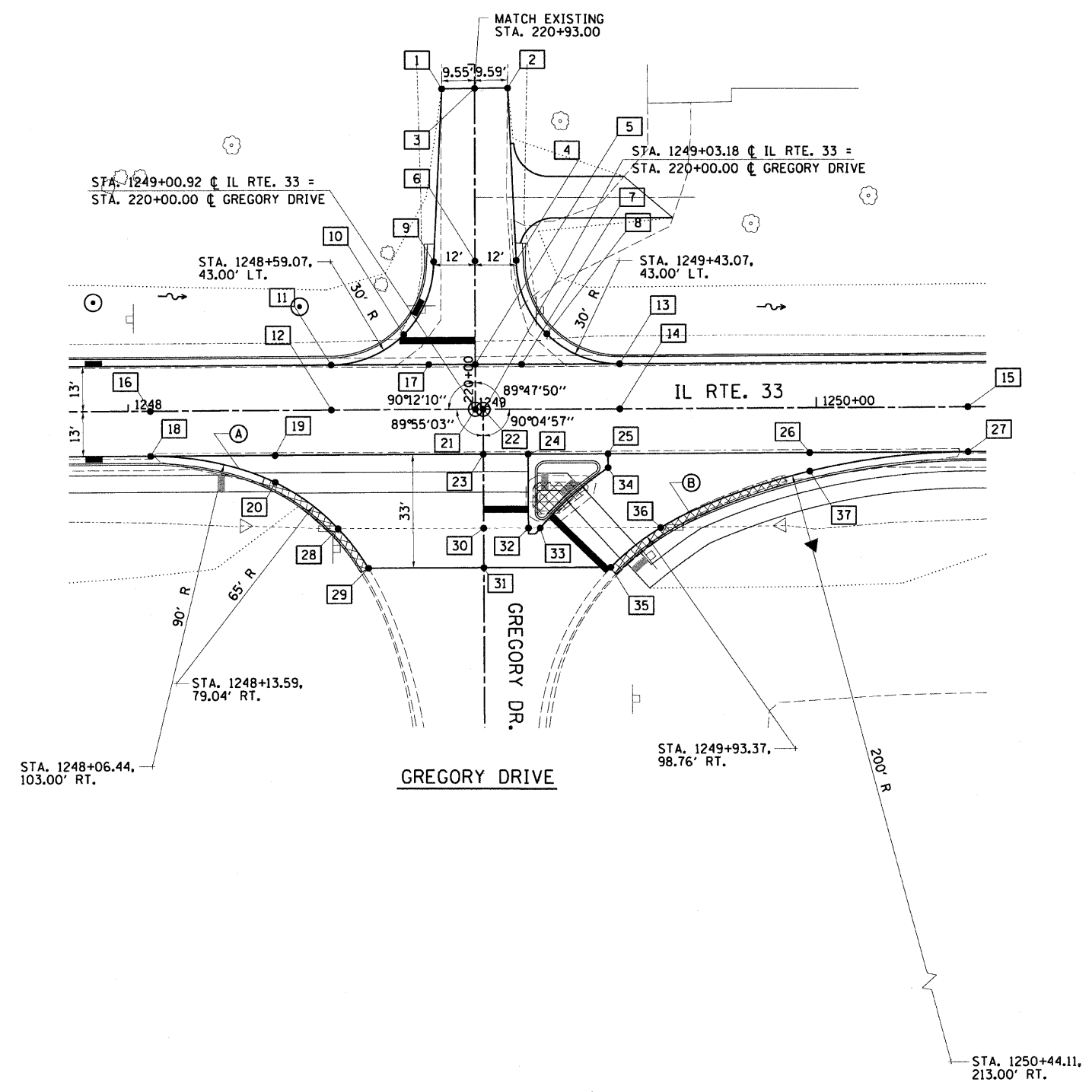
PROFILE	DATE

CHECKS		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	233
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*15.61Y,RS-2,6BR-7		CONTRACT NO. 94437		



- (A) STA. 1248+32.17, 16.76' RT. POINT OF COMPOUND CURVATURE
- (B) STA. 1249+62.92, 30.22' RT. POINT OF COMPOUND CURVATURE



GREGORY DRIVE					
BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG GREGORY DRIVE	OFFSET FEET	ELEVATION FEET
1	1248+91.70	92.92 LT	220+92.88	9.55 LT	545.92
2	1249+10.84	93.09 LT	220+93.12	9.59 RT	545.60
3	1249+01.24	93.00 LT	220+93.00	0.00 LT	545.93
4	1249+13.07	43.11 LT	220+43.15	12.00 RT	545.78
5	1249+00.96	13.00 LT	220+13.00	0.00 RT	546.07
6	1249+01.07	43.00 LT	220+43.00	0.00 RT	546.02
7	1249+14.41	13.00 LT	220+13.05	13.45 RT	545.92
8	1249+21.82	21.82 LT	220+21.90	20.82 RT	545.69
9	1248+89.07	42.89 LT	220+42.85	12.00 LT	545.78
10	1248+80.24	21.75 LT	220+21.68	20.75 LT	546.16
11	1248+59.07	13.00 LT	220+12.85	41.89 LT	546.54
12	1248+59.07	0.00 RT	220+12.85	41.89 LT	546.73
13	1249+42.96	13.00 LT	220+13.15	42.00 RT	545.60
14	1249+42.96	0.00 RT	220+00.15	42.05 RT	545.79
15	1250+44.11	0.00 RT	220+00.20	140.92 RT	544.66
16	1248+06.44	0.00 RT	220+00.42	118.38 RT	547.32
17	1248+87.47	13.00 LT	220+12.95	13.49 LT	546.22
18	1248+06.44	13.00 RT	219+86.86	96.73 LT	547.12
19	1248+42.62	13.00 RT	219+86.91	60.55 LT	546.72
20	1248+42.62	20.89 RT	219+79.02	60.53 LT	546.68
21	1249+00.92	0.00 RT	219+99.99	2.27 LT	546.26
22	1249+03.18	0.00 RT	220+00.00	0.00 RT	546.24
23	1249+03.17	13.00 RT	219+87.00	0.00 RT	546.04
24	1249+16.17	13.00 RT	219+87.02	13.00 RT	545.90
25	1249+39.43	13.00 RT	219+87.05	36.27 RT	545.64
26	1249+98.04	13.00 RT	219+87.13	94.88 RT	544.98
27	1250+44.11	13.00 RT	219+87.20	140.94 RT	544.46
28	1248+60.80	34.42 RT	219+65.51	42.34 LT	546.23
29	1249+69.61	46.00 RT	219+53.95	33.51 LT	546.24
30	1249+03.13	34.50 RT	219+65.52	0.00 RT	545.75
31	1249+03.12	46.00 RT	219+54.00	0.00 RT	545.92
32	1249+16.17	34.50 RT	219+65.52	13.00 RT	545.53
33	1249+19.55	34.50 RT	219+65.52	16.42 RT	545.46
34	1249+39.43	17.00 RT	219+83.05	36.27 RT	545.54
35	1249+40.06	46.00 RT	219+54.05	36.94 RT	545.24
36	1249+54.62	34.55 RT	219+65.52	51.48 RT	545.04
37	1249+98.04	18.38 RT	219+81.76	94.89 RT	544.75

REVISIONS		
NAME	DATE	

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 08/21/02

DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

COMPUTER FILE NO.
 INT-08-B
 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 REGISTERED PROFESSIONAL ENGINEERS
 LICENSE NO. 00010001
 PROFESSIONAL ENGINEERING CORPORATION
 1015 N. 4TH ST., SPRINGFIELD, ILL. 62761-1001

INT.	DATE	REASON

DATE	BY	REASON

INT.	DATE	NO.	REASON

INT.	DATE	NO.	REASON

DATE	BY	REASON

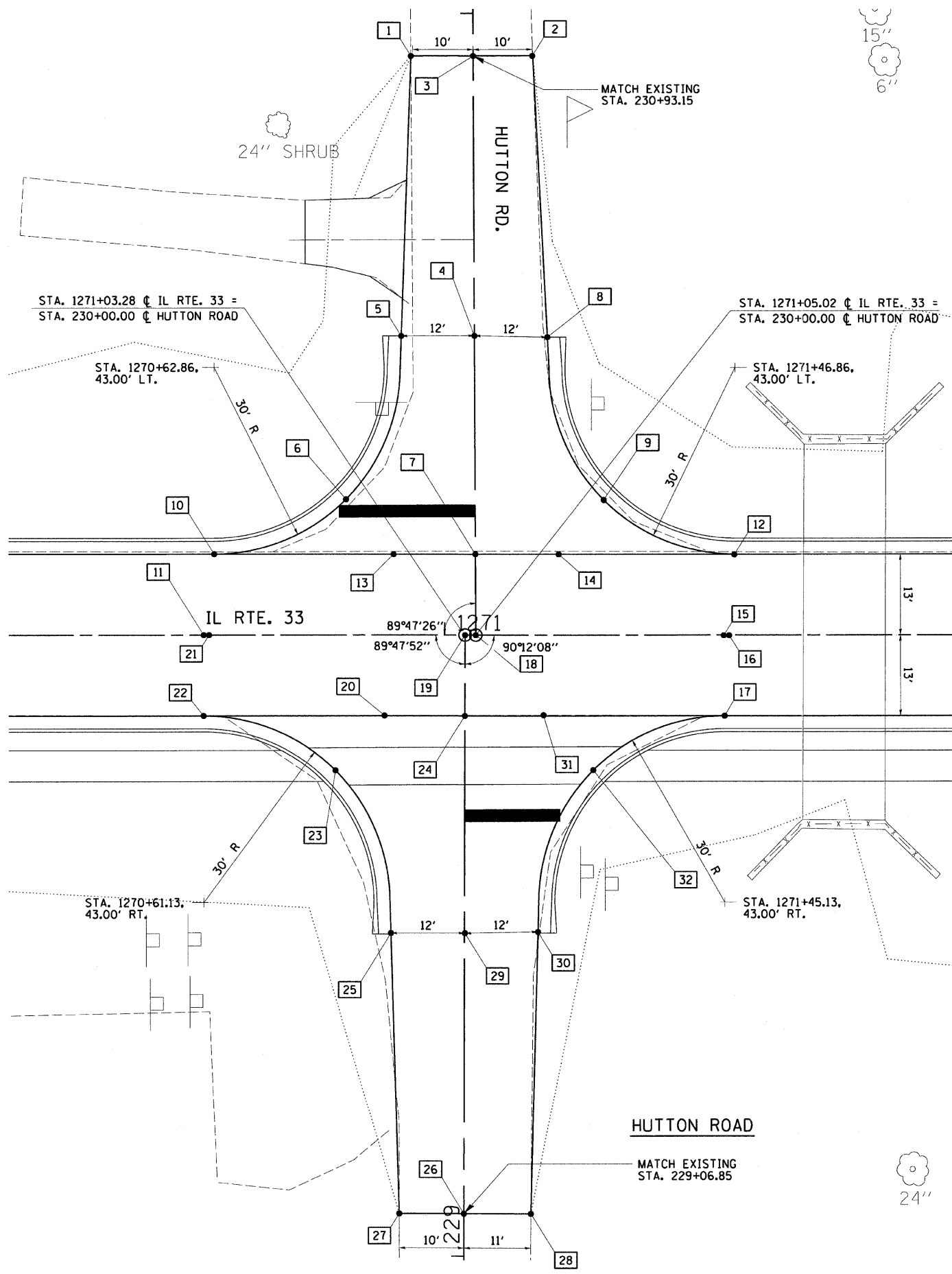
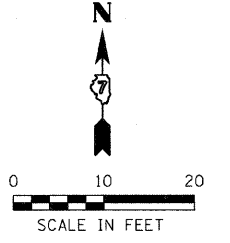
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	234

STA. TO STA.

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
15,61Y,RS-2,6BR-7		

CONTRACT NO. 94437



HUTTON ROAD					
BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG HUTTON ROAD	OFFSET FEET	ELEVATION FEET
1	1270+94.64	93.12 LT	230+93.16	10.04 LT	518.57
2	1271+14.31	93.19 LT	230+93.15	9.63 RT	518.17
3	1271+04.68	93.15 LT	230+93.15	0.00 RT	518.61
4	1271+04.86	43.15 LT	230+43.15	0.00 RT	519.55
5	1270+92.86	43.11 LT	230+43.15	12.00 LT	519.31
6	1270+84.11	21.83 LT	230+21.90	20.83 LT	520.19
7	1271+04.97	13.00 LT	230+13.00	0.00 RT	520.69
8	1271+16.86	42.92 LT	230+42.87	12.00 RT	519.31
9	1271+25.68	21.76 LT	230+21.68	20.74 RT	519.95
10	1270+62.97	13.00 LT	230+13.15	42.00 LT	521.07
11	1270+61.23	0.00 RT	229+99.86	40.31 LT	521.26
12	1271+46.86	13.00 LT	230+12.85	41.89 RT	520.58
13	1270+91.79	13.00 LT	230+13.05	13.18 LT	520.78
14	1271+18.40	13.00 LT	230+12.95	13.43 RT	520.63
15	1271+45.13	0.00 RT	230+00.00	40.11 RT	520.78
16	1271+46.86	0.00 RT	230+00.00	41.84 RT	520.78
17	1271+45.13	13.00 RT	229+87.15	41.89 RT	520.58
18	1271+05.02	0.00 RT	230+00.00	0.00 RT	520.89
19	1271+03.28	0.00 RT	230+00.00	0.00 RT	520.90
20	1270+90.28	12.95 RT	229+87.00	12.96 LT	520.79
21	1270+62.97	0.00 RT	229+99.86	40.31 LT	521.28
22	1270+61.23	13.00 RT	229+86.85	42.00 LT	521.09
23	1270+82.38	21.82 RT	229+78.10	20.82 LT	520.50
24	1271+03.23	12.92 RT	229+87.08	0.00 LT	520.70
25	1270+91.13	43.11 RT	229+56.85	12.00 LT	519.91
26	1271+02.95	93.15 RT	229+06.85	0.00 RT	519.97
27	1270+92.54	93.11 RT	229+06.85	10.41 LT	519.62
28	1271+13.78	93.19 RT	229+06.85	10.82 RT	519.53
29	1271+03.13	43.12 RT	229+56.88	0.00 RT	520.15
30	1271+15.13	42.92 RT	229+57.12	12.00 RT	519.91
31	1271+15.94	13.00 RT	229+87.05	12.71 RT	520.64
32	1271+23.94	21.76 RT	229+78.32	20.74 RT	520.25

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 08/21/02

DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

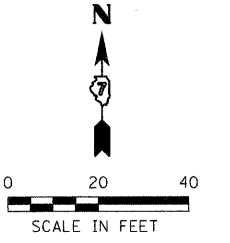
GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 REGISTERED ENGINEERS
 PROFESSIONAL ENGINEERS
 PROFESSIONAL LAND SURVEYORS
 PROFESSIONAL ARCHITECTS

COMPUTER FILE NO.
 INT-08-C
 PROJECT 01256
 2/26/10-FAV

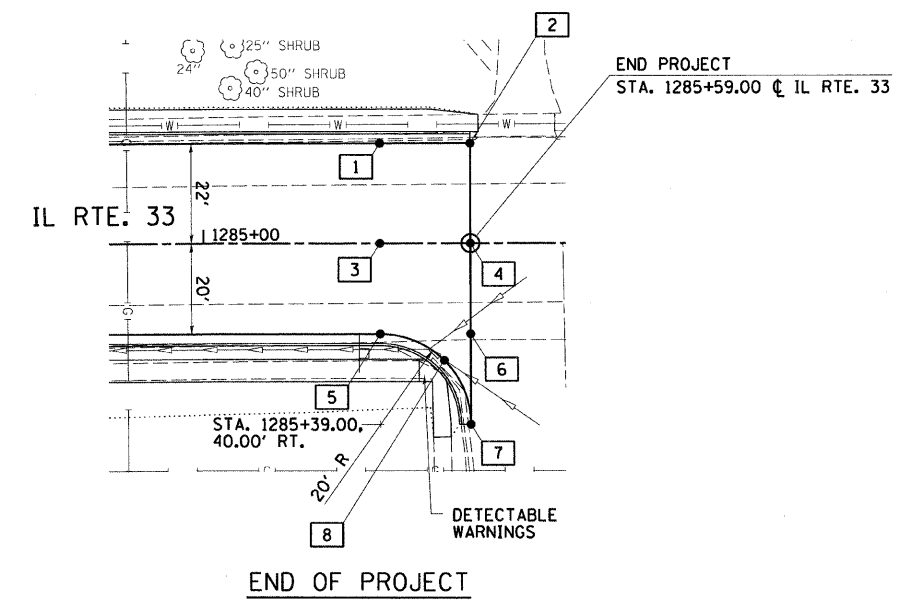
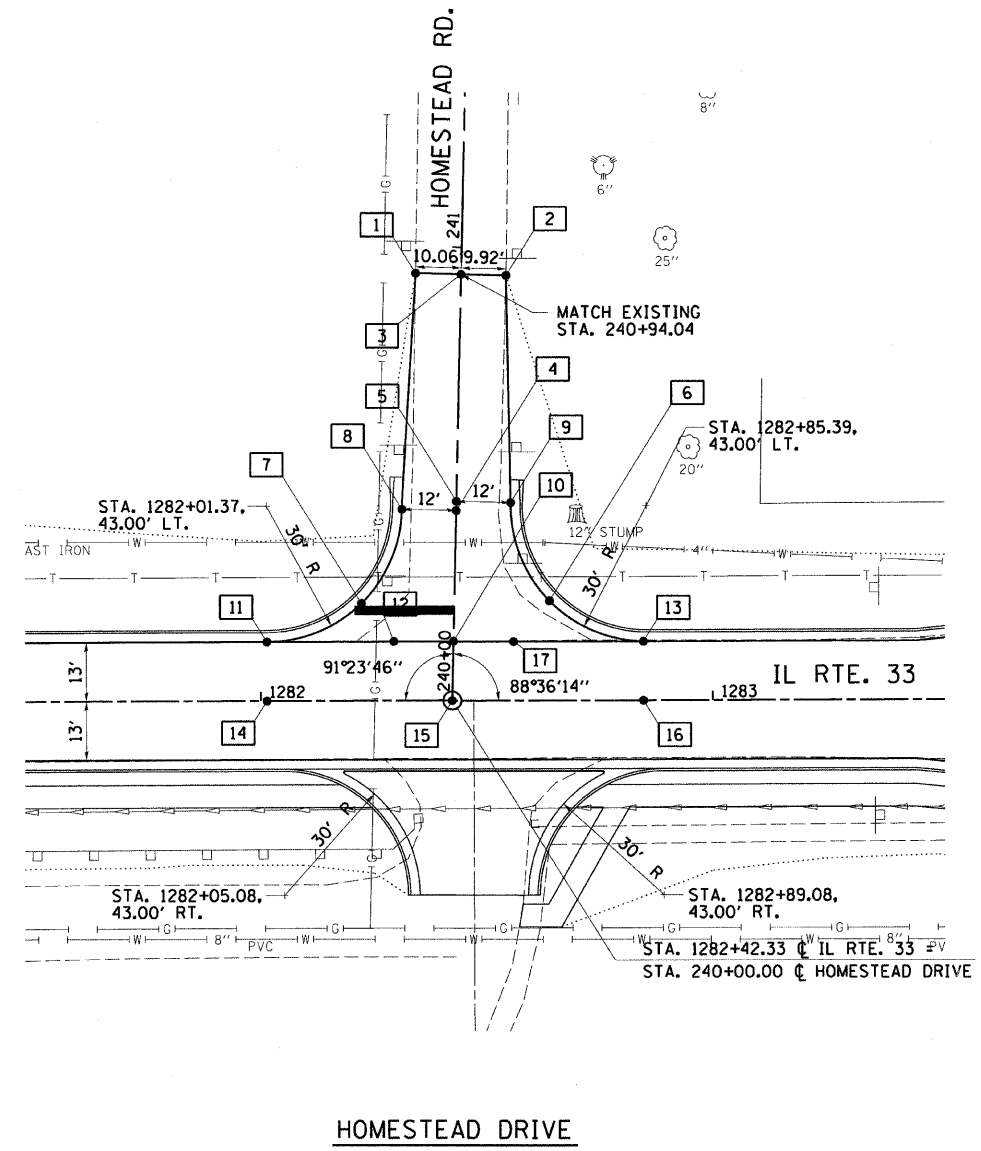
REVISIONS	
NAME	DATE

DESIGN		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	235
STA. _____ TO STA. _____				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*15.6Y,RS-2,6BR-7				
CONTRACT 94437				



BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	ELEVATION FEET
1	1285+39.01 R 7	22.00 LT	535.87
2	1285+59.00 R 7	22.00 LT	535.57
3	1285+39.01 R 7	0.00 RT	536.20
4	1285+59.00 R 7	0.00 RT	536.16
5	1285+39.00 R 7	20.00 RT	535.90
6	1285+59.00 R 7	20.00 RT	535.72
7	1285+59.00 R 7	40.00 RT	535.42
8	1285+53.15 R 7	25.86 RT	535.66



BOX NUMBER	STATIONING ALONG IL. RTE. 33	OFFSET FEET	STATIONING ALONG HOMESTEAD ROAD	OFFSET FEET	ELEVATION FEET
1	1282+34.56 R 7	94.25 LT	240+94.04	10.06 LT	536.54
2	1282+54.54 R 7	93.77 LT	240+94.04	9.92 RT	536.66
3	1282+44.62 R 7	94.01 LT	240+94.04	0.00 RT	536.95
4	1282+43.35 R 7	41.98 LT	240+41.99	0.00 RT	536.95
5	1282+43.40 R 7	44.02 LT	240+44.04	0.00 RT	536.95
6	1282+63.92 R 7	22.05 LT	240+22.57	21.05 RT	536.58
7	1282+22.32 R 7	21.53 LT	240+21.04	20.53 LT	536.47
8	1282+31.36 R 7	42.27 LT	240+41.99	12.00 LT	536.77
9	1282+55.40 R 7	43.73 LT	240+44.04	12.00 RT	536.77
10	1282+42.65 R 7	13.09 LT	240+13.10	0.00 RT	536.15
11	1282+01.37 R 7	13.00 LT	240+12.00	41.27 LT	536.03
12	1282+29.43 R 7	13.07 LT	240+12.75	13.21 LT	536.11
13	1282+84.66 R 7	13.01 LT	240+14.04	42.00 RT	536.28
14	1282+01.37 R 7	0.00 RT	240+14.04	42.00 RT	536.22
15	1282+42.33 R 7	0.00 RT	240+00.00	0.00 RT	536.34
16	1282+84.66 R 7	0.00 RT	240+01.03	42.32 RT	536.47
17	1282+55.93 R 7	13.00 LT	240+13.33	13.28 RT	536.19

PLAN		
REVISION	DATE	BY

PLOTS & CHECKS		
INT.	DATE	REASON

PROFILE		
REVISION	DATE	BY

CHECKS		
INT.	DATE	REASON

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERSECTION DETAILS

FAP ROUTE 95 (IL RTE. 33)
SECTION 15.6Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE: 08/21/02

DRAWN BY: JAMESON
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
OF SPRINGFIELD

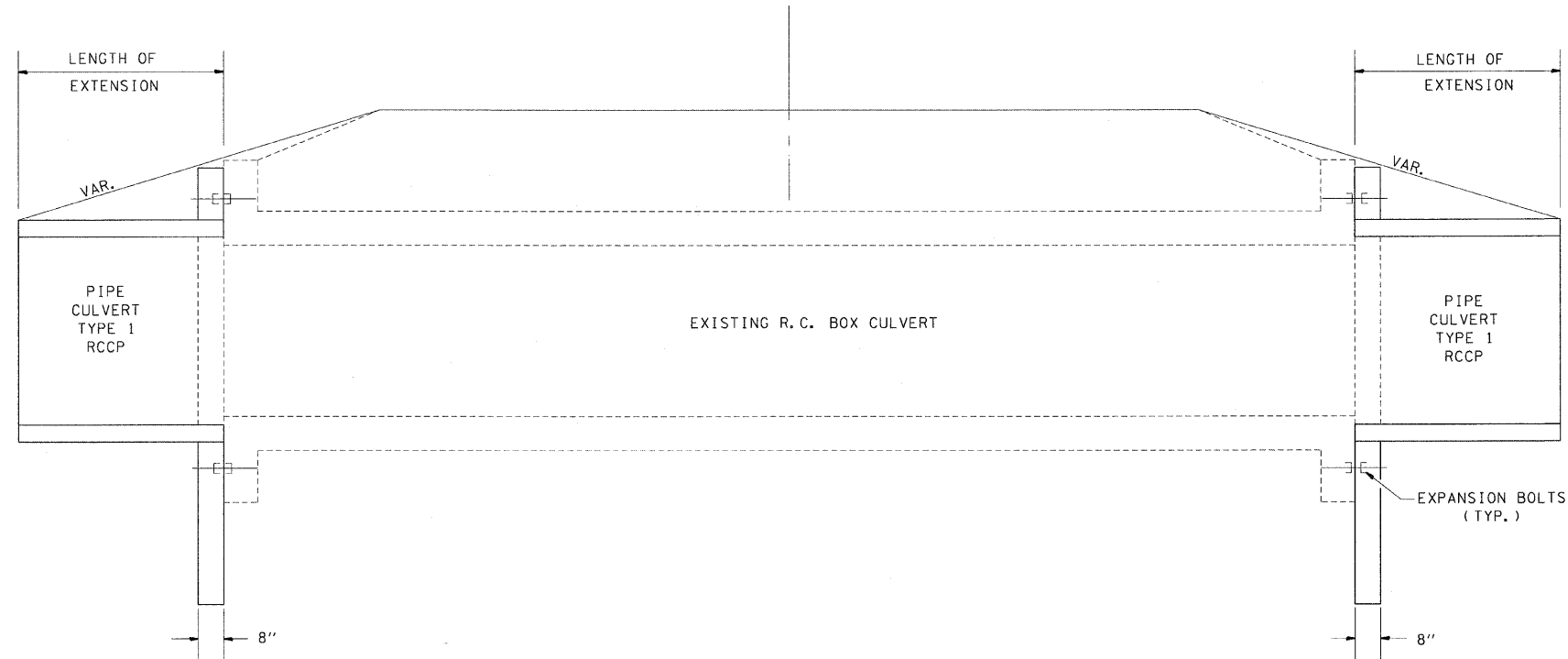
COMPUTER FILE NO.
INT-09-A
PROJECT 01256
2/26/10-FAV

DESIGN		
INT.	DATE	REASON

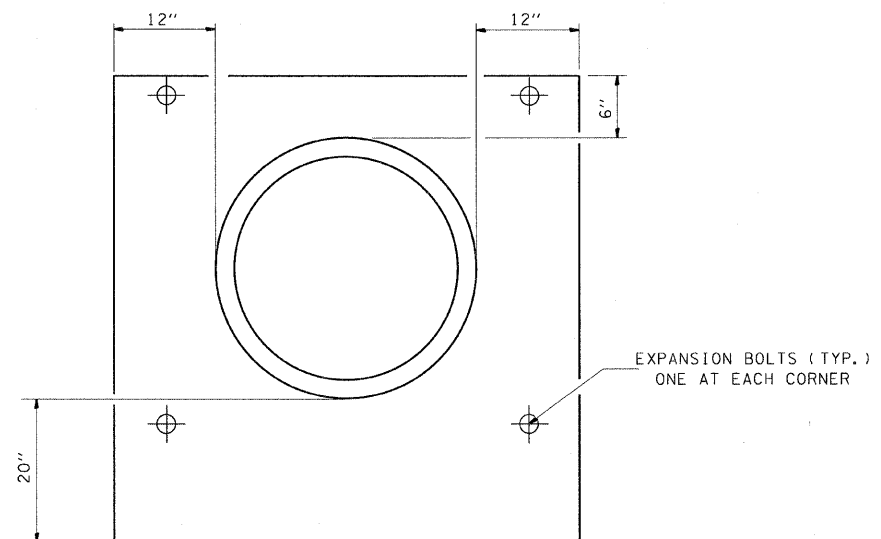
PLOTS & CHECKS		
INT.	DATE	REASON

CHECKS		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	236
STA. TO STA.				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*15,61Y,RS-2,6BR-7 CONTRACT NO. 94437				



NOTE:
EXPANSION BOLTS SHALL CONSIST OF SELF-DRILLING EXPANSION SHIELDS AND 3/4" Ø HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 6" INTO NEW CONCRETE.

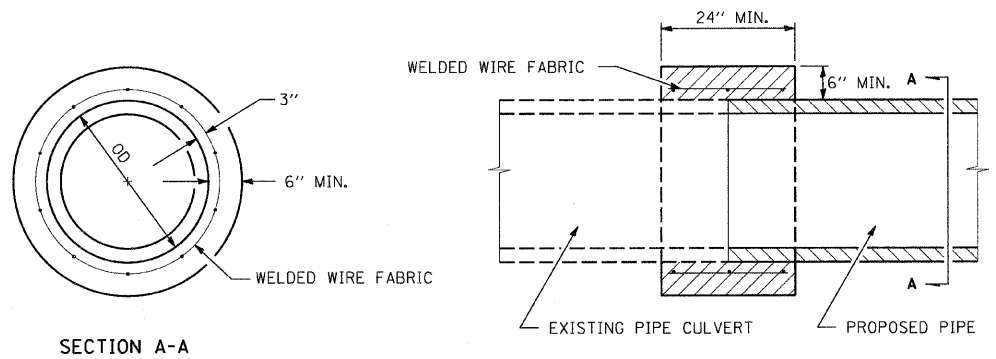


END VIEW
DETAIL OF ANCHOR WALL

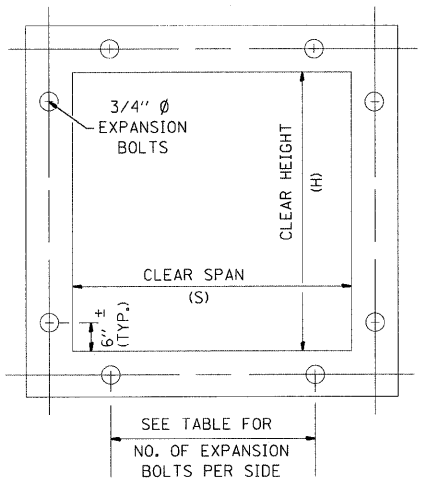
"H" OR "S" FEET	NO. EXPAN. BOLTS PER SIDE EXTEN. < 15'		NO. EXPAN. BOLTS PER SIDE EXTEN. > 15'	
	NO.	SPACE	NO.	SPACING
2'	2	18"	2	18"
2'-6"	2	24"	2	24"
3'	3	18"	3	18"
4'	3	18"	3	18"
5'	4	16"	3	24"
6'	5	15"	4	20"
7'	5	18"	4	24"
8'	6	15"	5	21"
9'	6	19"	5	24"
10'	7	18"	6	21"
11'	8	17"	6	24"
12'	8	19"	7	22"

• NOTE: USE MINIMUM OF 1 EXPANSION BOLT AT EACH CORNER

EXPANSION BOLTS REQUIRED FOR
CULVERT EXTENSIONS



SECTION A-A



CROSS SECTION THRU EXISTING BARREL

CONCRETE COLLAR DETAILS

NOTES

- CLASS S1 CONCRETE SHALL BE USED THROUGHOUT.
- WELDED WIRE FABRIC SHALL BE 6" X 6" (.063 LB/SQ FT)
- THE COST OF THE CONCRETE COLLAR INCLUDING WELDED WIRE FABRIC SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR CONCRETE COLLAR.
- THE CONTRACTOR SHALL MAKE PIPES FOR CULVERT EXTENSIONS OF THE SAME TYPE AND SIZE, AS SPECIFIED IN THE PLANS AND THE STANDARD SPECIFICATIONS.
- EXPANSION BOLTS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR EXPANSION BOLTS 3/4 INCH.

SIDE	STATION	S	H	3/4" Ø EXPANSION BOLTS	CONCRETE COLLAR
				EACH	CU. YD.
LT.	753+25.80	24	24	4	0.47
RT.	753+25.80	24	24	4	0.47
LT.	1003+60	24	18	4	0.40
RT.	1003+60	24	18	4	0.40
LT.	1082+76	-	-	-	0.35
RT.	1082+76	-	-	-	0.35
TOTALS				16	2.44

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CONCRETE COLLAR
FOR PIPE CULVERT EXTENSIONS
FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. DRAWN BY: BISHOP
HORIZ. DESIGNED BY: COLBROOK
DATE: 09/18/02 CHECKED BY: COLBROOK

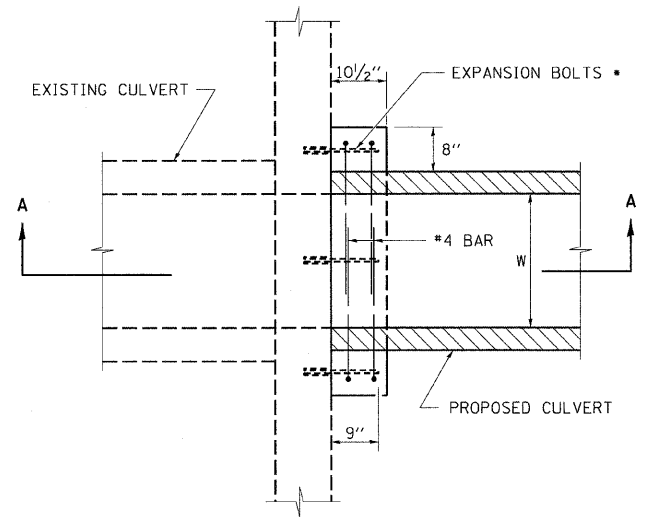
GREENE & BRADFORD, INC.
OF SPRINGFIELD
PROFESSIONAL ENGINEERING FIRM
REGISTERED IN ILLINOIS AND MISSOURI
ILL. NO. 1354 MISS. NO. 1354 C. No. 00234

COMPUTER FILE NO.
DETAILS - 50
PROJECT 01256
2/26/10-FAV

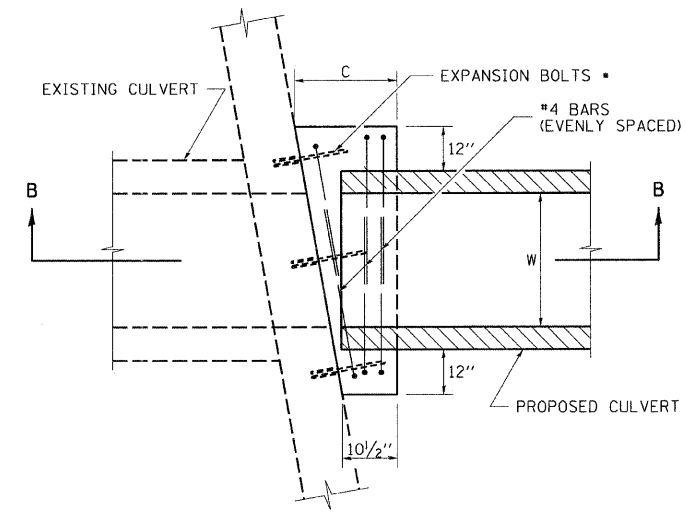
DESIGN		
INT.	DATE	REASON

DETAIL OF CONCRETE COLLAR FOR BOX CULVERT EXTENSIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	237
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*15,61Y,RS-2,6BR-7				
CONTRACT NO. 94437				



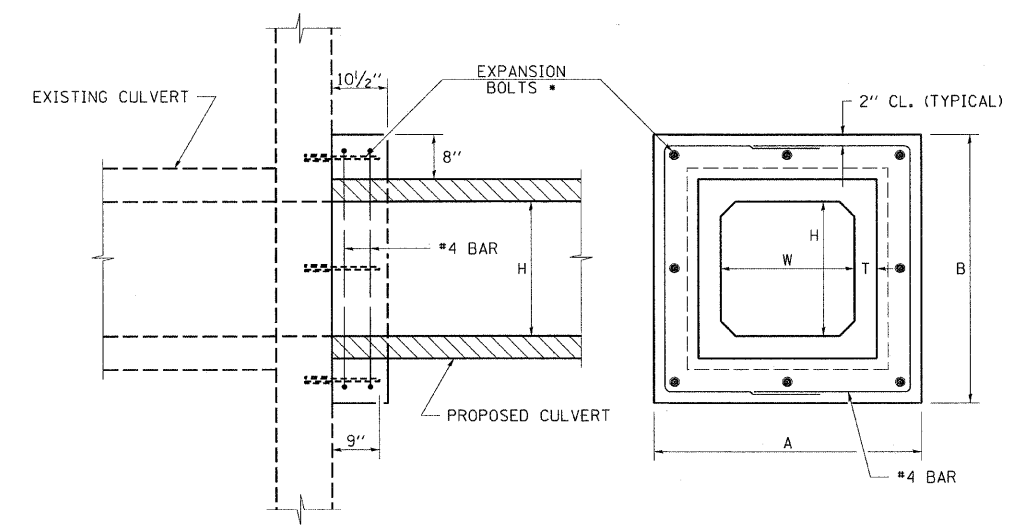
PLAN VIEW
(RIGHT ANGLE CULVERT)



PLAN VIEW
(SKEWED CULVERT)

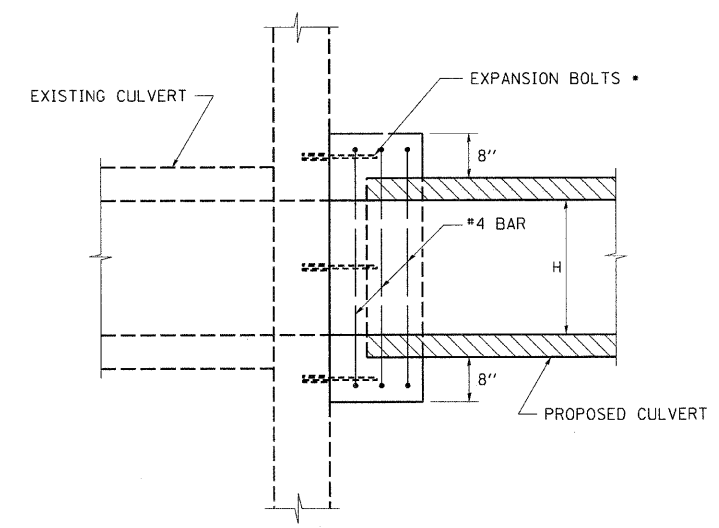
SIDE	STATION	DIMENSIONS						REINFORCEMENT BARS				CONCRETE COLLAR	EXPANSION BOLTS	
		A	B	C	W	H	T	G	J	L	NUMBER BARS			POUND
LT.	714+32.70	74	50	-	48	24	5	46	45	136	4	30	0.39	10
RT.	714+32.70	74	50	-	48	24	5	46	45	136	4	30	0.39	10
LT.	810+48.58	60	48	-	36	24	4	44	38	120	4	27	0.33	8
RT.	810+48.58	60	48	-	36	24	4	44	38	120	4	27	0.33	8
LT.	1083+12	60	48	-	36	24	4	44	38	120	8	60	0.83	
RT.	1083+12	60	48	-	36	24	4	44	38	120	8	60	0.83	
TOTALS											234	3.10	36	

PLOTS & CHECKS		
INT.	DATE	REASON



SECTION A-A

END VIEW

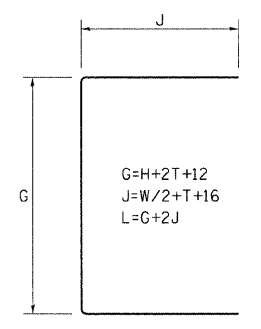


SECTION B-B

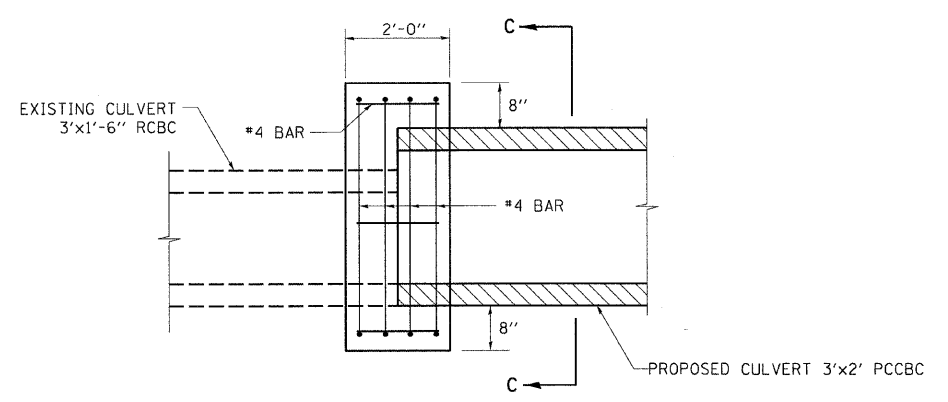
NOTE: EXPANSION BOLTS SHALL CONSIST OF SELF-DRILLING EXPANSION SHIELDS AND HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO THE NEW CONCRETE.

- SEE TABLE & DETAIL ON SHEET 236 FOR NUMBER & SPACING OF EXPANSION BOLTS

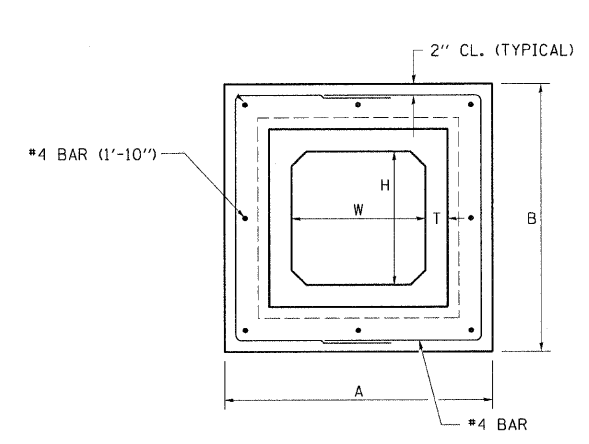
EXPANSION BOLTS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR EXPANSION BOLTS 3/4 INCH.



BAR DETAIL



ELEVATION VIEW



SECTION C-C

REVISIONS	
NAME	DATE

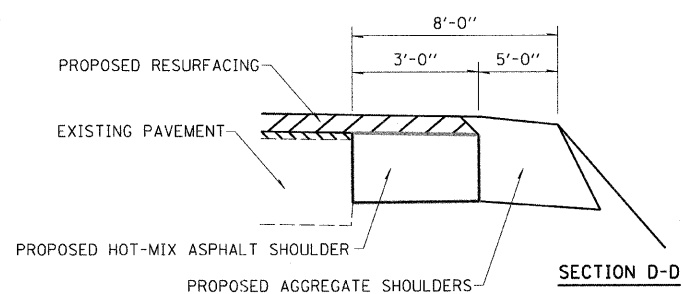
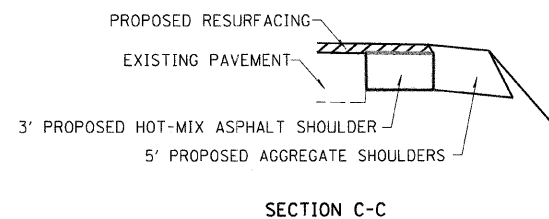
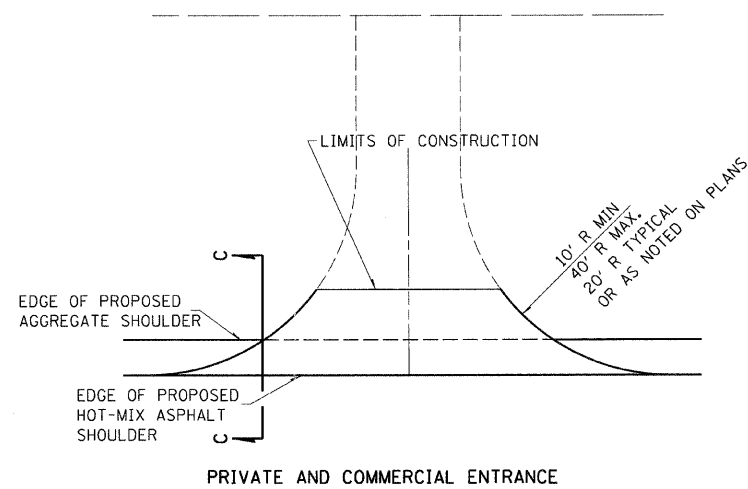
ILLINOIS DEPARTMENT OF TRANSPORTATION
CONCRETE COLLAR DETAIL
FOR BOX CULVERT EXTENSIONS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. DRAWN BY: BISHOP
 HORIZ. DESIGNED BY: COLBROOK
 DATE: 09/18/02 CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 PROFESSIONAL ENGINEERING FIRM NO. 001256
 ILLINOIS PROFESSIONAL ENGINEERING BOARD LICENSE NO. 001256

COMPUTER FILE NO. PROJECT DETAILS - 50
 01256 2/26/10-FAV

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	238
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
•(5,6)Y,RS-2,6BR-7				
CONTRACT NO. 94437				



TYPICAL SECTION AT MAILBOX TURNOUT
NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MAILBOX TURNOUT DETAILS

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE: 09/18/02

DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

COMPUTER FILE NO.
ENTRANCE - 50
PROJECT 01256
08/19/04-RPB

GREENE & BRADFORD, INC.
OF SPRINGFIELD

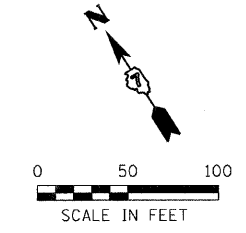
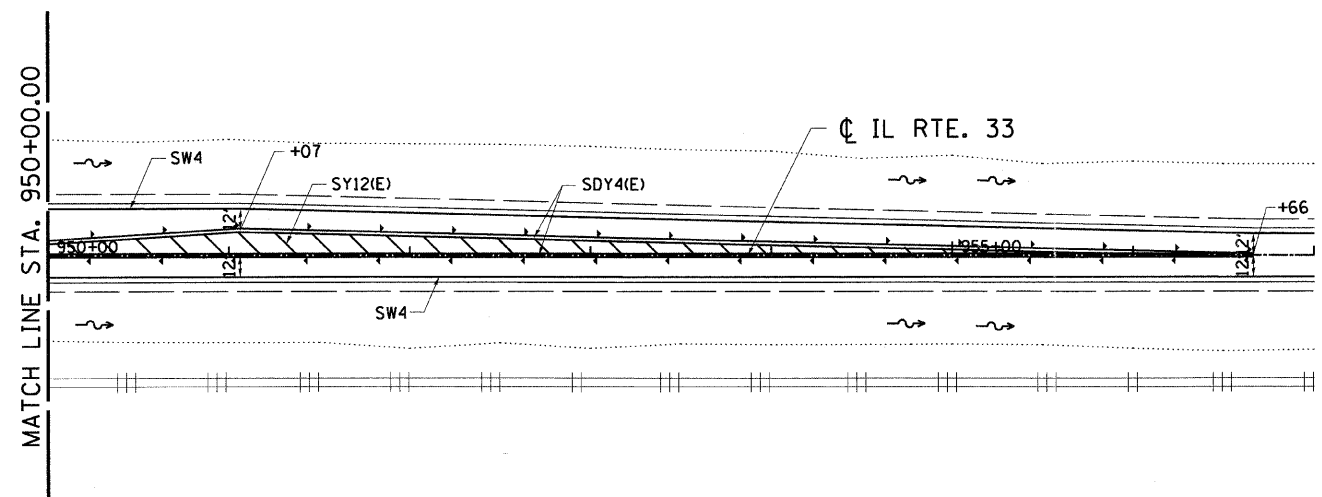
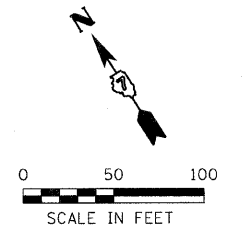
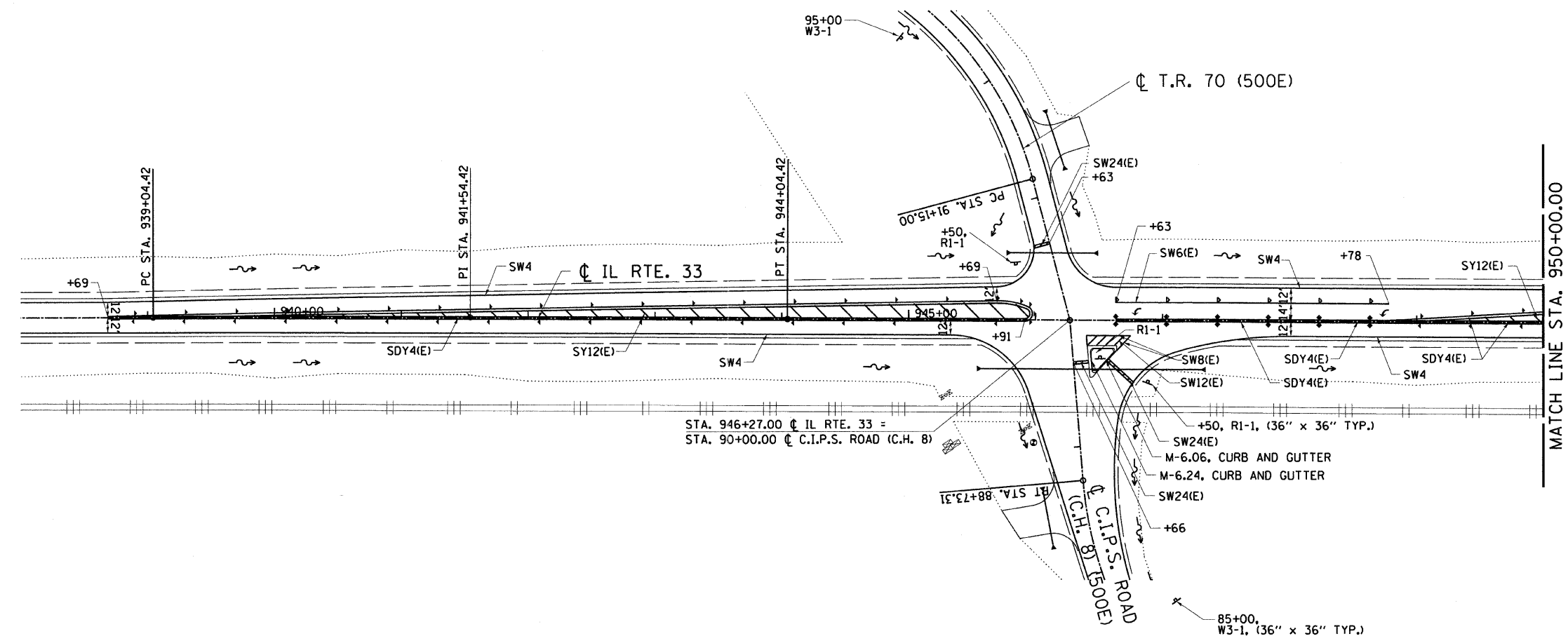
G B

DESIGN		
INT.	DATE	REASON

PLOTS & CHECKS		
INT.	DATE	REASON

CHECKS		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	239
STA. 925+00.00 TO STA. 955+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*(5,6)Y,RS-2,6BR-7				
CONTRACT NO. 94437				



- LEGEND**
- SDY4(E) - EPOXY PAVEMENT MARKING - LINE 4" (SOLID DOUBLE YELLOW)
 - SW24(E) - EPOXY PAVEMENT MARKING - LINE 24" (SOLID WHITE)
 - SW6(E) - EPOXY PAVEMENT MARKING - LINE 6" (SOLID WHITE)
 - SW4 - EPOXY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
 - SW8(E) - EPOXY PAVEMENT MARKING - LINE 8" (SOLID WHITE)
 - SW12(E) - EPOXY PAVEMENT MARKING - LINE 12" (SOLID WHITE)
 - - RAISED REFLECTIVE PAVEMENT MARKERS

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT STRIPING PLAN

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

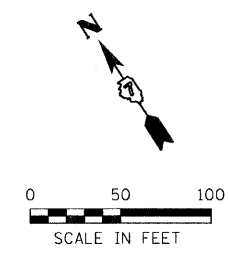
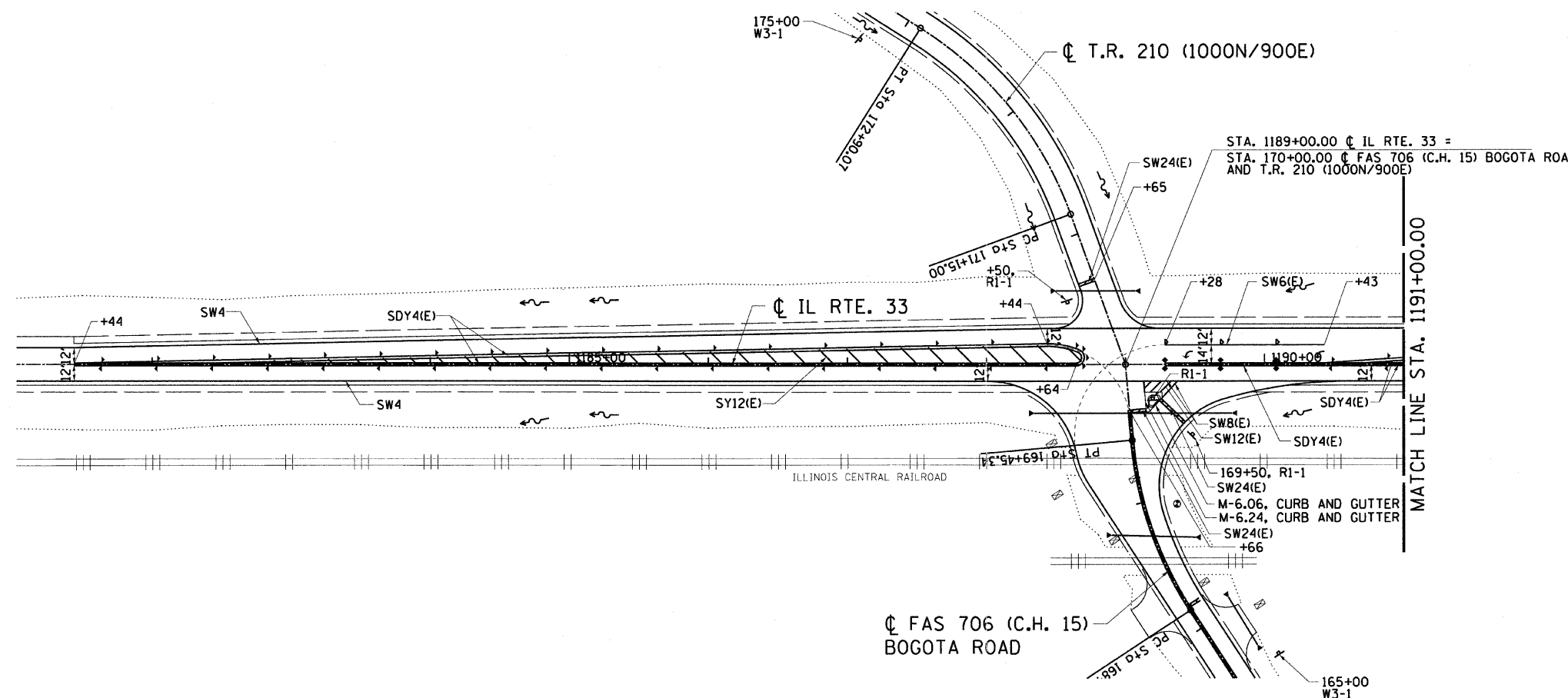
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DATE: 09/16/02		
GREENE & BRADFORD, INC. OF SPRINGFIELD ENGINEERS AND ARCHITECTS PROFESSIONAL ENGINEER LICENSE NO. 000010 PROFESSIONAL ARCHITECT LICENSE NO. 00000000 2010 ILL. STATE BOARD OF REGULATION AND PROFESSIONAL STANDARDS BOARD		COMPUTER FILE NO. STRIPING-1 PROJECT 01256 2/26/10-FAV

REVISIONS		
NAME	DATE	

DESIGN		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	240

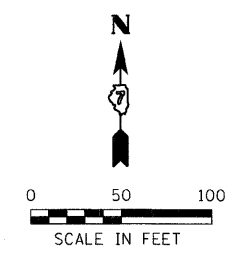
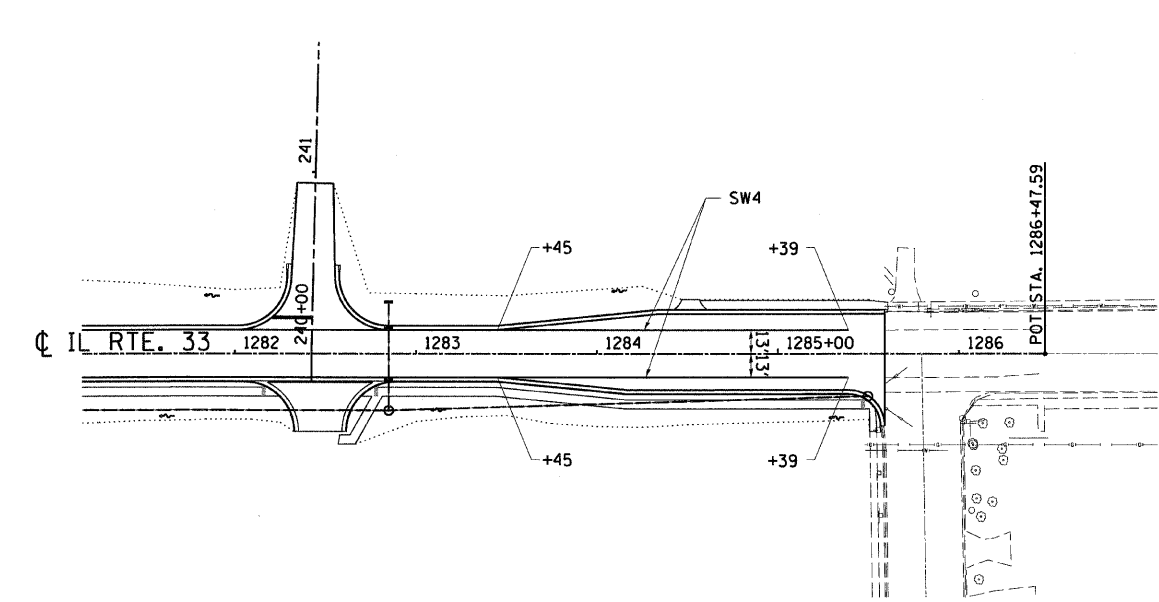
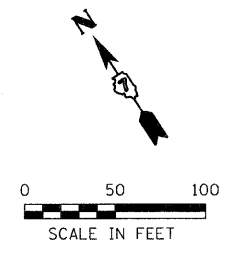
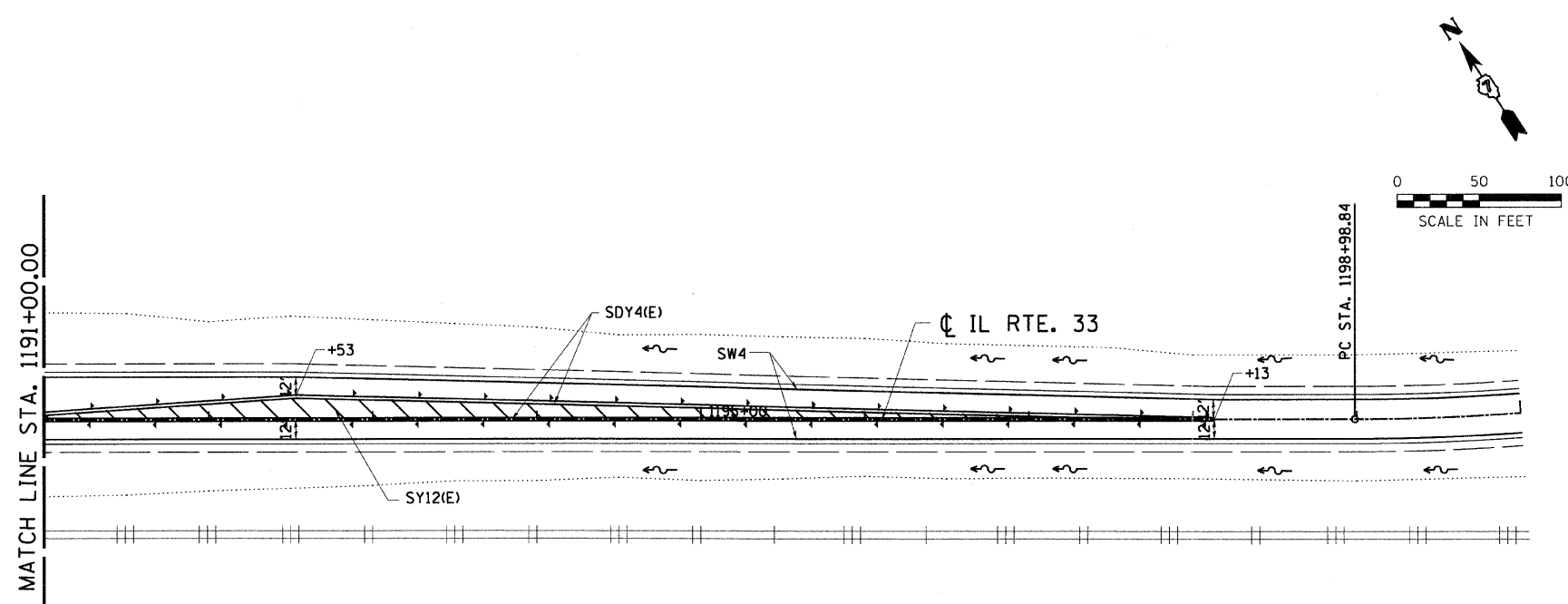
STA. 1185+00.00 TO STA. 1210+00.00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 *15,61Y,RS-2,6BR-7
 CONTRACT NO. 94437



LEGEND

- SDY4(E) - EPOXY PAVEMENT MARKING - LINE 4" (SOLID DOUBLE YELLOW)
- SW24(E) - EPOXY PAVEMENT MARKING - LINE 24" (SOLID WHITE)
- SW6(E) - EPOXY PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- SW4 - EPOXY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- SW8(E) - EPOXY PAVEMENT MARKING - LINE 8" (SOLID YELLOW)
- SW12(E) - EPOXY PAVEMENT MARKING - LINE 12" (SOLID YELLOW)
- RAISED REFLECTIVE PAVEMENT MARKERS

PLOTS & CHECKS		
INT.	DATE	REASON



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT STRIPING PLAN
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 09/16/02

DRAWN BY: BISHOP
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

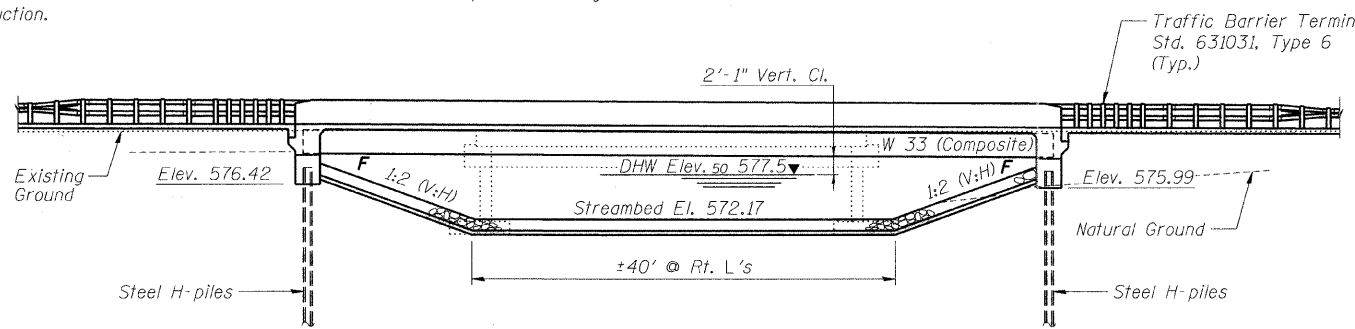
GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 CIVIL ENGINEERS
 2001 W. BRADLEY BLVD.
 SPRINGFIELD, ILLINOIS 62760
 PROFESSIONAL ENGINEER FIRM NO. 00037
 REGISTERED AS CONSULTING ENGINEERS CORPORATION
 WITH NO. 0884, 003 742-0271 811-4444 www.greenesbradford.com

COMPUTER FILE NO.
 STRIPING-2
 PROJECT 01256
 2/26/10-FAV

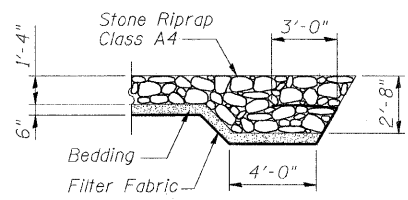
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1 18 SHEETS
FAP 95	6BR-7	JASPER	546	241	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	Contract No. 94437		

Bench Mark: B.M. #2. Sta. 725+36, 96' Rt. Survey monument elevation 588.14
Existing Structure: S.N. 040-0001 built 1925 as S.B.I. Route 33 Section 6B. 45'-3" bk. to bk. abutments 25'-8" out to out deck. Simple Span R.C. T girder superstructure on closed abutments. Superstructure replaced and bridge widened to 33'-0" out to out deck in 1975. Structure to be removed and replaced utilizing stage construction.
No Salvage.



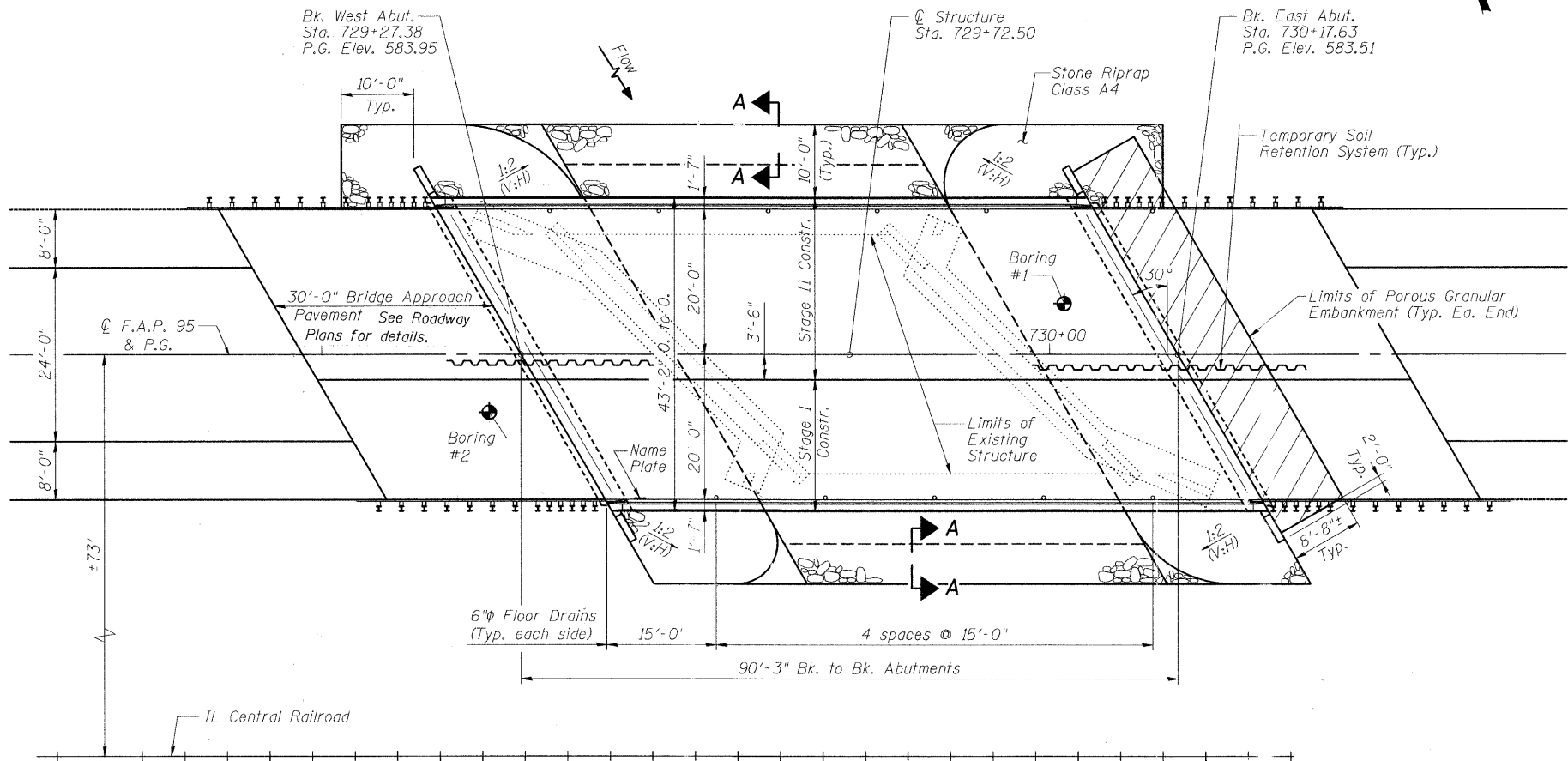
ELEVATION



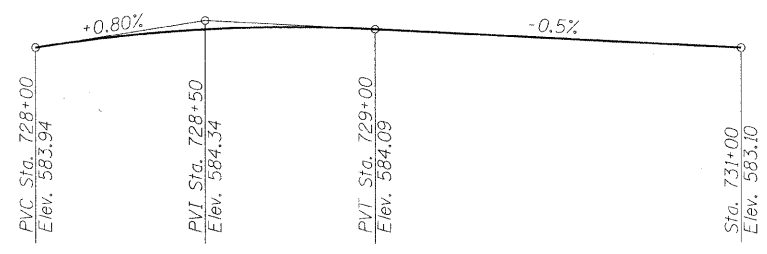
SECTION A-A

INDEX OF SHEETS

- 1 General Plan & Elevation
- 2 General Information
- 3 Stage Const. Details
- 4 Temp. Conc. Barrier
- 5-6 Top of Slab Elevations (1 of 2)
- 7-9 Superstructure
- 10 Structural Steel
- 11 Anchor Bolt Details
- 12-13 West Abutment
- 14-15 East Abutment
- 16 Bar Splicer Details
- 17 HP Pile Details
- 18 Boring Logs



PLAN



PROPOSED PROFILE GRADE
(at Center of Roadway)

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson (Seal)
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
MICHAEL J. TRINIO
REGISTERED PROFESSIONAL ENGINEER
No. 081-000000
STRUCTURAL ENGINEER
Expires: 11/30/10

WATERWAY INFORMATION

Drainage Area = 2.23 sq. mi.		Exist. Low Grade Elev. 582.43 @ Sta. 728+00		Prop. Low Grade Elev. 582.43 @ Sta. 728+00	
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. Head - Ft.	Headwater El.
			Exist. Prop.	H.W.E. Exist. Prop.	Exist. Prop.
Design	10	367	90 155	576.9 0.5 0.3	577.4 577.2
Base	50	549	108 199	577.5 0.8 0.4	578.3 577.9
Overtopping	100	624	115 214	577.7 0.9 0.5	578.6 578.2
Max. Calc.	500	800	127 244	578.2 1.2 0.7	579.4 578.9

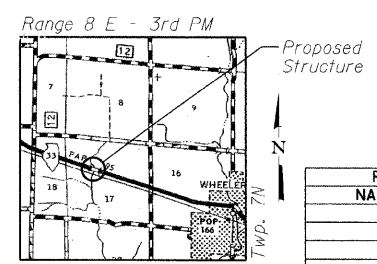
STATION 729+72.50
BUILT 2011 BY
STATE OF ILLINOIS
F.A.P. RTE. 95 SEC. 6BR-7
LOADING HS20
STR. NO. 040-0021

NAME PLATE
See Std. 515001

LOADING HS20-44
Allow 50#/sq. Ft. for future wearing surface.
DESIGN SPECIFICATIONS
2002 AASHTO

DESIGN STRESSES
FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (reinforcement)
f_y = 50,000 psi (M270 Gr. 50 structural steel)

SEISMIC DATA
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.073g
Site Coefficient (S) = 1.0



LOCATION SKETCH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN
IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP 95 - SECTION 6BR-7
JASPER COUNTY
STATION 729+72.50
S.N. 040-0021

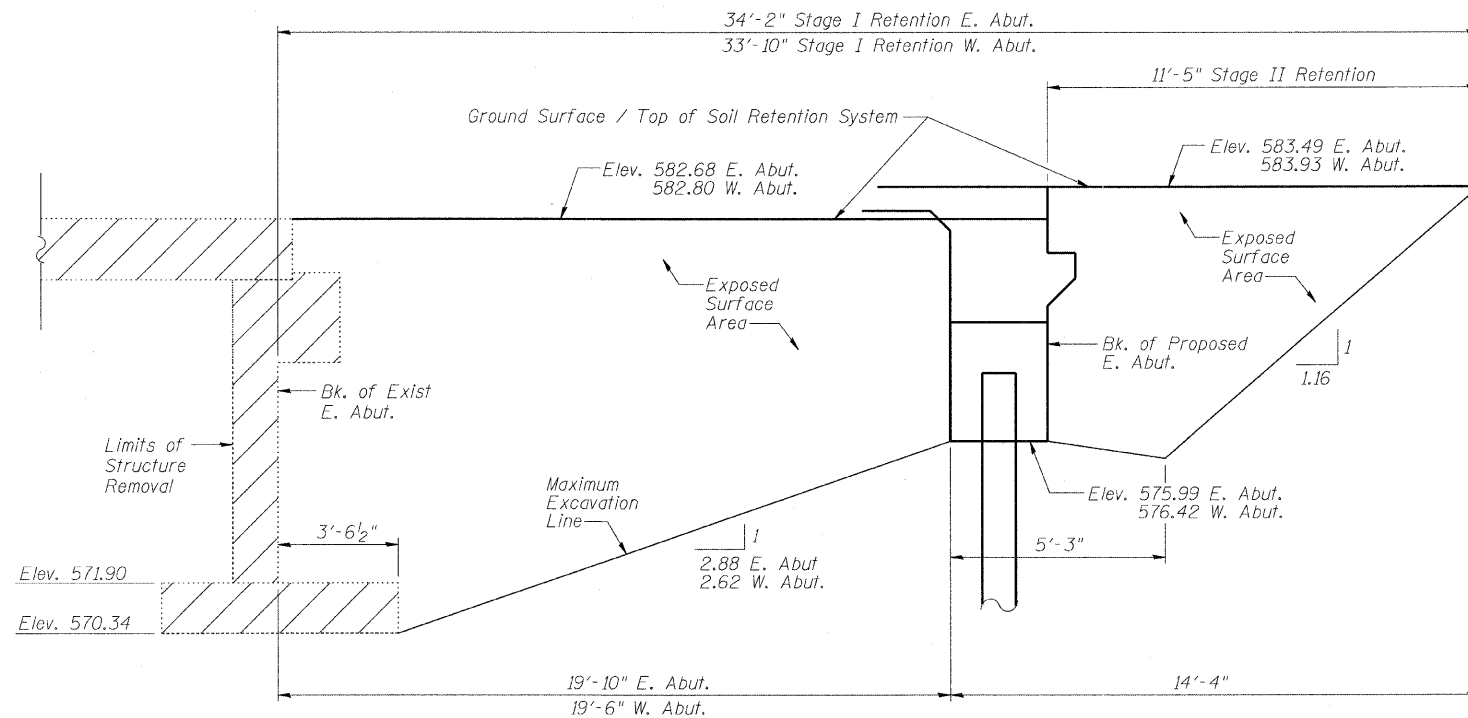
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HORIZ. 1"=40'
DATE: 8/25/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

COMPUTER FILE NO. 01256GPE
PROJECT 01256
2/26/10-FAV

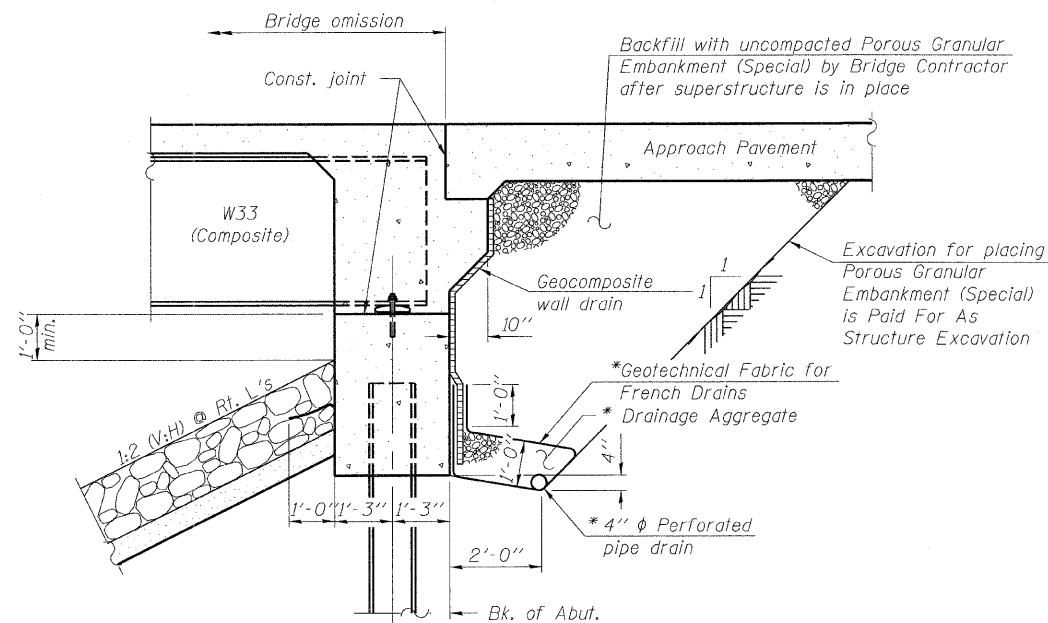
GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
REGISTERED PROFESSIONAL ENGINEERS
ILLINOIS LICENSE NO. 081-000000
PROFESSIONAL & STRUCTURAL ENGINEERING CORPORATION
1017 1/2 Bldg. 1077 1/2 West St. Springfield, IL 62761-1000

STATE OF ILLINOIS



TEMPORARY SOIL RETENTION SYSTEM

(Looking South - West Abutment)
(Looking North - East Abutment)



SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. L's)

Note:

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the toe of the side slopes. The pipes shall drain into concrete headwalls. (See article 601.05 of the Standard Specifications and Highway Standard 601101).

* Included in the cost of Pipe Underdrains for Structures, 4"

NOTES

A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The contractor shall submit a temporary soil retention system design, including plan details and calculations, for review and acceptance by the Engineer.

Dimensions are along centerline of Roadway.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 2
FAP 95	6BR-7	JASPER	546	242	18 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-	Contract No. 94437		

GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 7/8 in. ϕ , holes 15/16 in. ϕ , unless otherwise noted.
- Calculated weight of Structural Steel = 124,285 lb. (M270 Gr. 50)
9,545 lb (M270 Gr. 36)
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
- Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- All Construction joints shall be bonded.
- The Inorganic Zinc Rich Primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all steel surfaces shall be gray, Munsell No 5B 7/1. See Special Provisions for "Cleaning and Painting New Metal Structures".
- The Contractor shall drive test piles to 110% of the Nominal Required Bearing Specified in production locations at West Abutment or approved by the Engineer before ordering the remainder of piles.
- Slip forming of the concrete parapets is not allowed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.	-	150	150
Stone Riprap, Class A4	Sq. Yd.	-	655	655
Filter Fabric	Sq. Yd.	-	655	655
Removal of Existing Structures	Each	-	-	1
Structure Excavation	Cu. Yd.	-	200	200
Floor Drains	Each	10	-	10
Concrete Structures	Cu. Yd.	-	39.6	39.6
Concrete Superstructure	Cu. Yd.	147.9	-	147.9
Bridge Deck Grooving	Sq. Yd.	381	-	381
Protective Coat	Sq. Yd.	477	-	477
Furnishing and Erecting Structural Steel	L. Sum	1	-	1
Stud Shear Connectors	Each	1827	-	1827
Reinforcement Bars, Epoxy Coated	Pound	28,080	4,500	32,580
Furnishing Steel Piles HP 12x53	Foot	-	871	871
Driving Piles	Foot	-	871	871
Test Pile Steel HP 12x53	Each	-	1	1
Name Plates	Each	1	-	1
Temporary Soil Retention System	Sq. Ft.	-	529	529
Bar Splicers	Each	359	12	371
Geocomposite Wall Drain	Sq. Yd.	-	81.0	81.0
Pipe Underdrains for Structures, 4"	Foot	-	161	161
Pile Shoes	Each	-	14	14

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL INFORMATION

IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 6BR-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

REVISIONS	
NAME	DATE

SCALE: VERT. _____
HORIZ. _____
DATE: 11/10/04

GREENE & BRADFORD, INC.
OF SPRINGFIELD
REGISTERED PROFESSIONAL ENGINEERS
ILLINOIS LICENSE NO. 021560N

COMPUTER FILE NO.
012560N

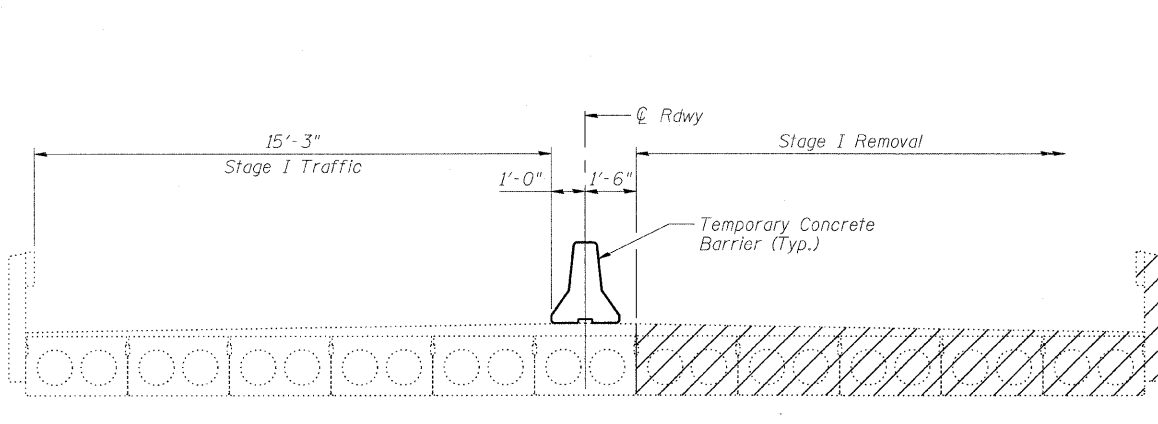
PROJECT 01256
3/16/10-MDS

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

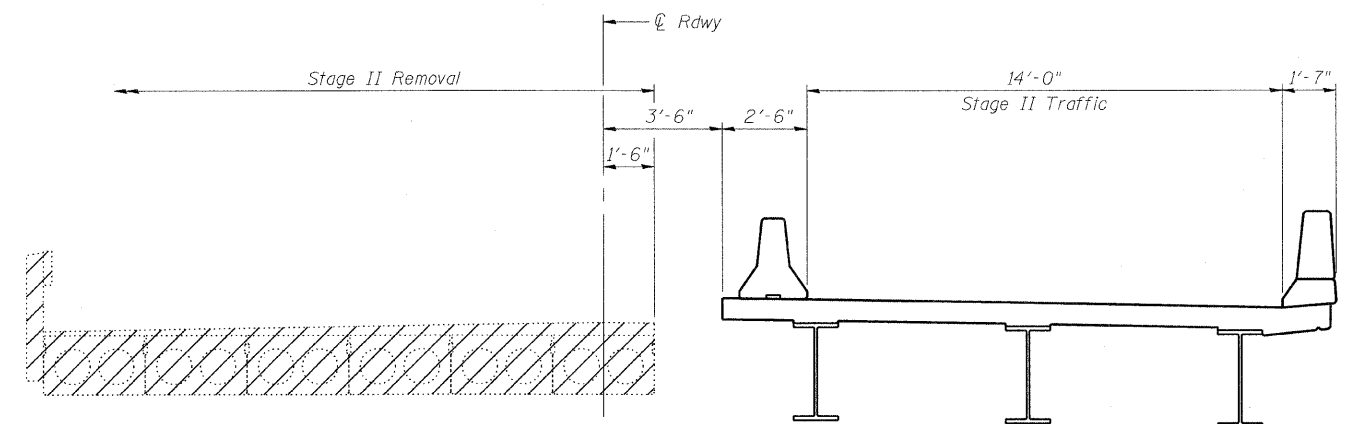
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

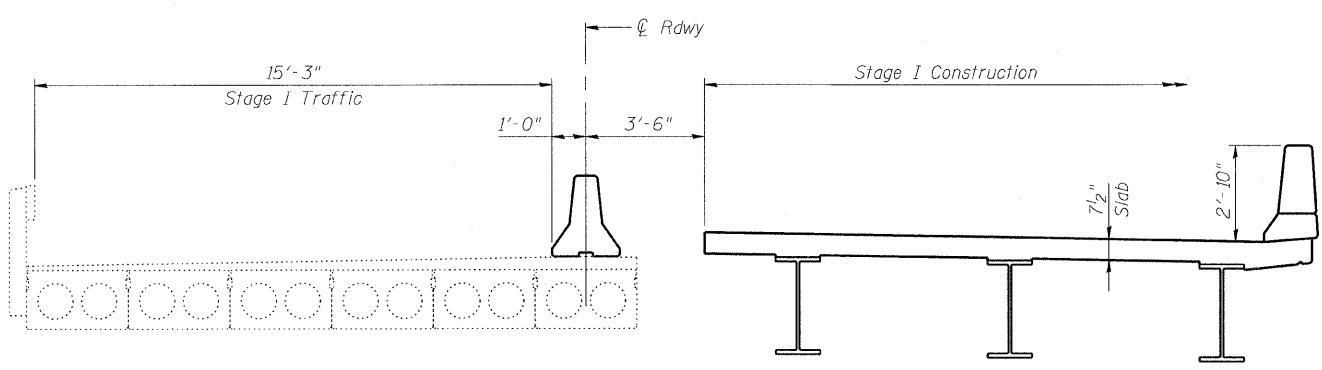
POLY. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3
FAP 95	6BR-7	JASPER	546	243	18 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	Contract No. 94437		



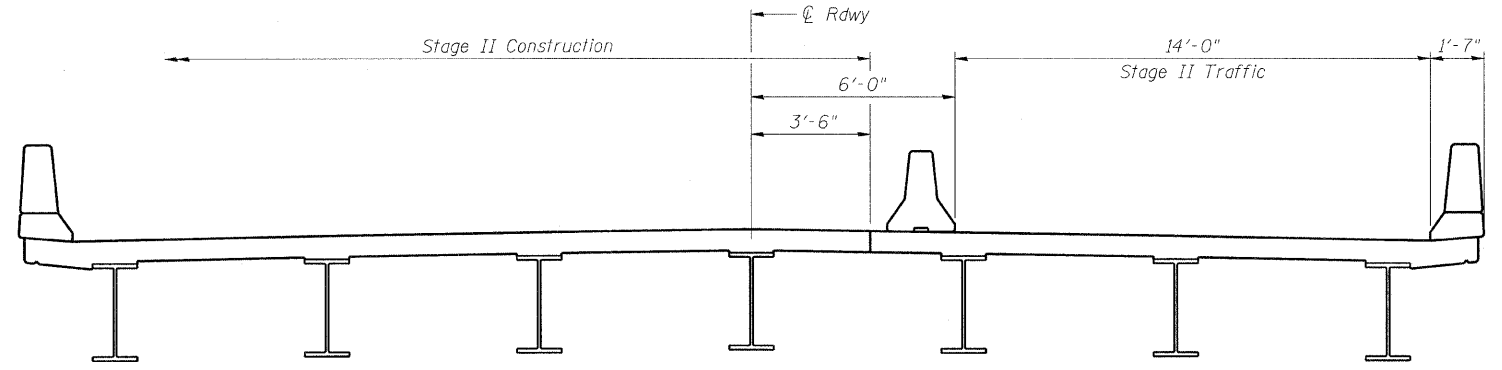
STAGE I REMOVAL



STAGE II REMOVAL



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

Note:
Hatched areas indicate Removal of Existing Structures.
All cross-sections are looking East.
All dimensions are at right angles to CL Rdwy.
For quantity of Temporary Concrete Barriers, see Roadway Plans.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE CONSTRUCTION

IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 6BR-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

SCALE: VERT. _____
HORIZ. _____
DATE: 11/10/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

COMPUTER FILE NO.
01256STC

PROJECT 01256
2/26/10-FAV

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
300 SOUTH MAIN STREET
SPRINGFIELD, ILLINOIS 62761
PROFESSIONAL ENGINEERING CORPORATION
091-110-9992 202-780-9277 P.O. Box 10170 Springfield, IL 62709

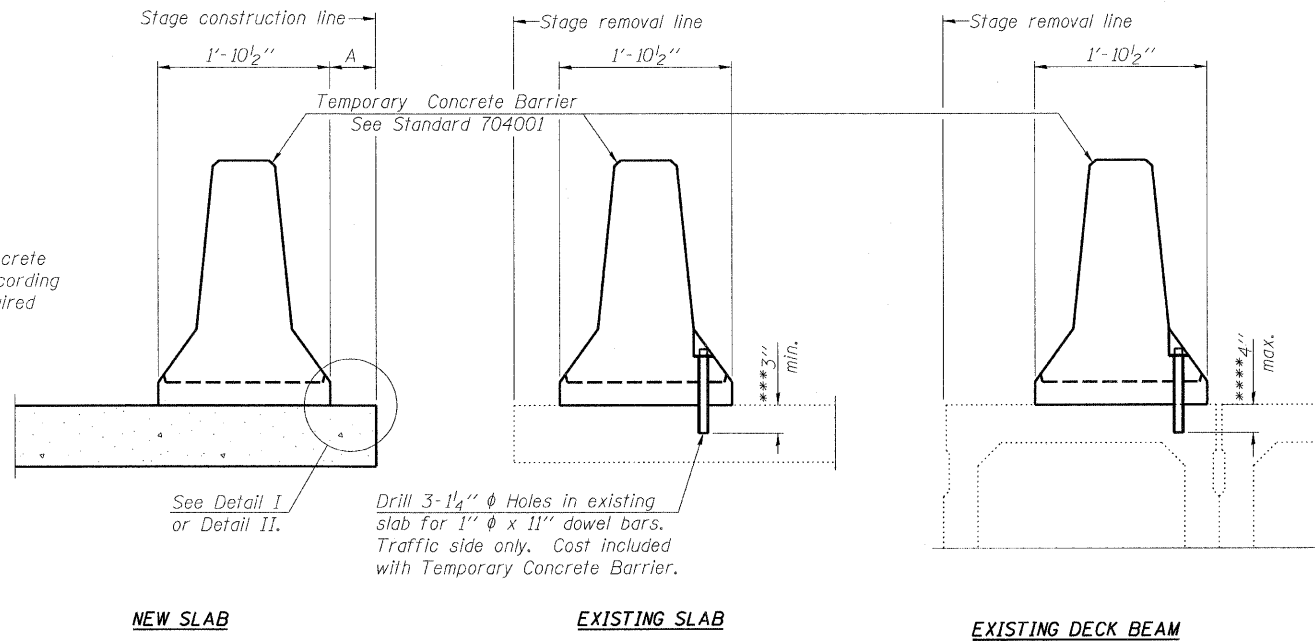
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OPERATOR = FRANKY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 95	6BR-7	JASPER	546	244
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Contract No. 94437

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".

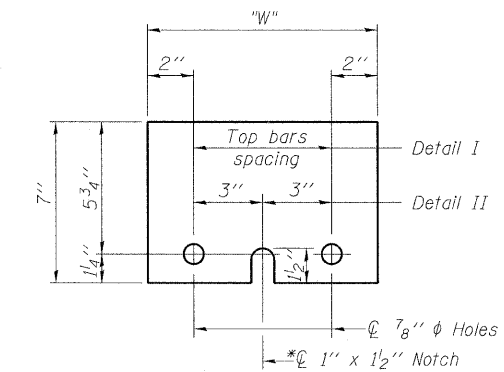
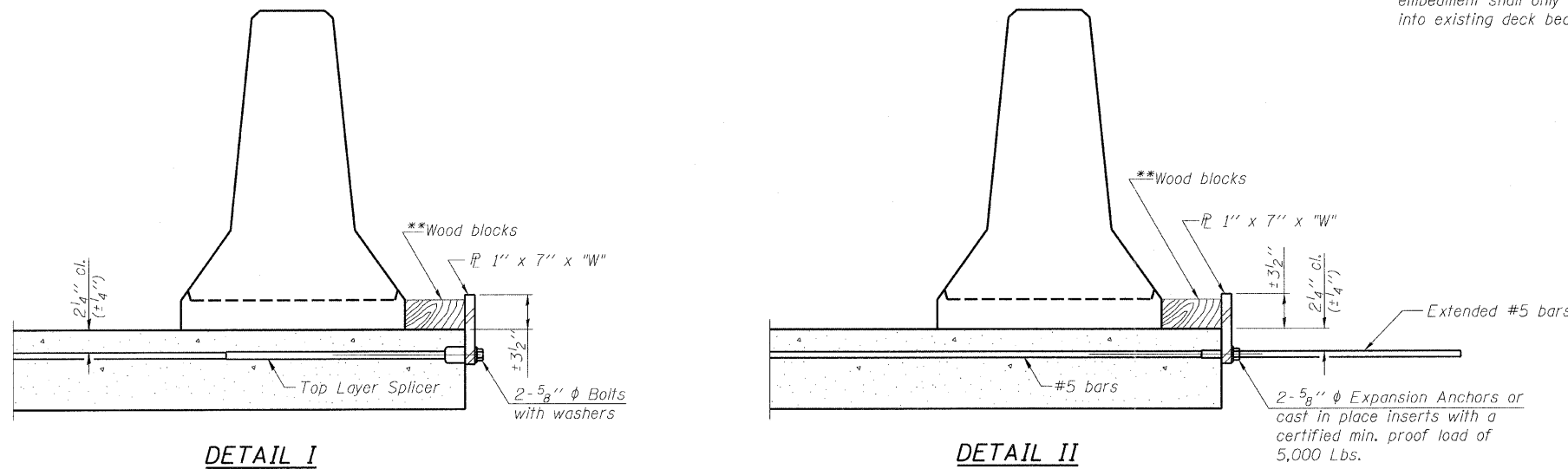


SECTIONS THRU SLAB OR DECK BEAM

NOTES

- Detail I - With Bar Splicer or Couplers:**
Connect one (1) 1"x7"x10" steel \bar{P} to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.
- Detail II - With Extended Reinforcement Bars:**
Connect one (1) 1"x7"x10" steel \bar{P} to the concrete slab or concrete wearing surface with 2-5/8" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{C} of each barrier panel.
- Cost of anchorage is included with Temporary Concrete Barrier.
The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

- *** Dimension shown is minimum required embedment into concrete.
If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.
- **** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



STEEL RETAINER \bar{P} 1" x 7" x 10"

* Required only with Detail II

** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 6BR-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

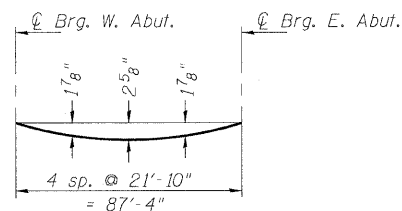
SCALE: VERT. _____
HORIZ. _____
DATE: 11/10/04

DESIGNED BY: HEBERLING
CHECKED BY: SANFORD
WATKINS

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
PROFESSIONAL ENGINEERS
REGISTERED IN ILLINOIS
1200 N. GARDEN, SPRINGFIELD, ILL. 62761-1000
TEL: 217-223-1200 FAX: 217-223-1201

COMPUTER FILE NO.
01256TCB
PROJECT 01256
2/18/10-FAV

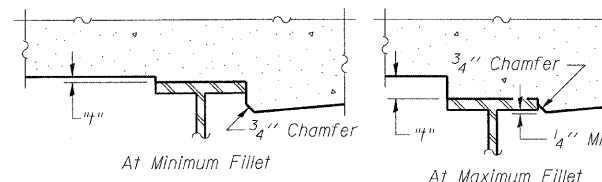
Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown below and on Sheet 6 of 18.



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 5 18 SHEETS
FAP 95	6BR-7	JASPER	546	245	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		
Contract No. 94437					



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below and on Sheet 6 of 18. These elevations subtracted from the "Theoretical Grade Elevations Adjusted For Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	72916.55	-18.750	583.680	583.680
CL Brg. W. Abut.	72918.01	-18.750	583.673	583.673
A	72928.01	-18.750	583.623	583.702
B	72938.01	-18.750	583.574	583.720
C	72948.01	-18.750	583.524	583.719
D	72958.01	-18.750	583.475	583.693
E	72968.01	-18.750	583.425	583.640
F	72978.01	-18.750	583.376	583.561
G	72988.01	-18.750	583.326	583.457
H	72998.01	-18.750	583.276	583.335
CL Brg. E. Abut.	73005.35	-18.750	583.240	583.240
Bk. E. Abut.	73006.80	-18.750	583.233	583.233

BEAM 2

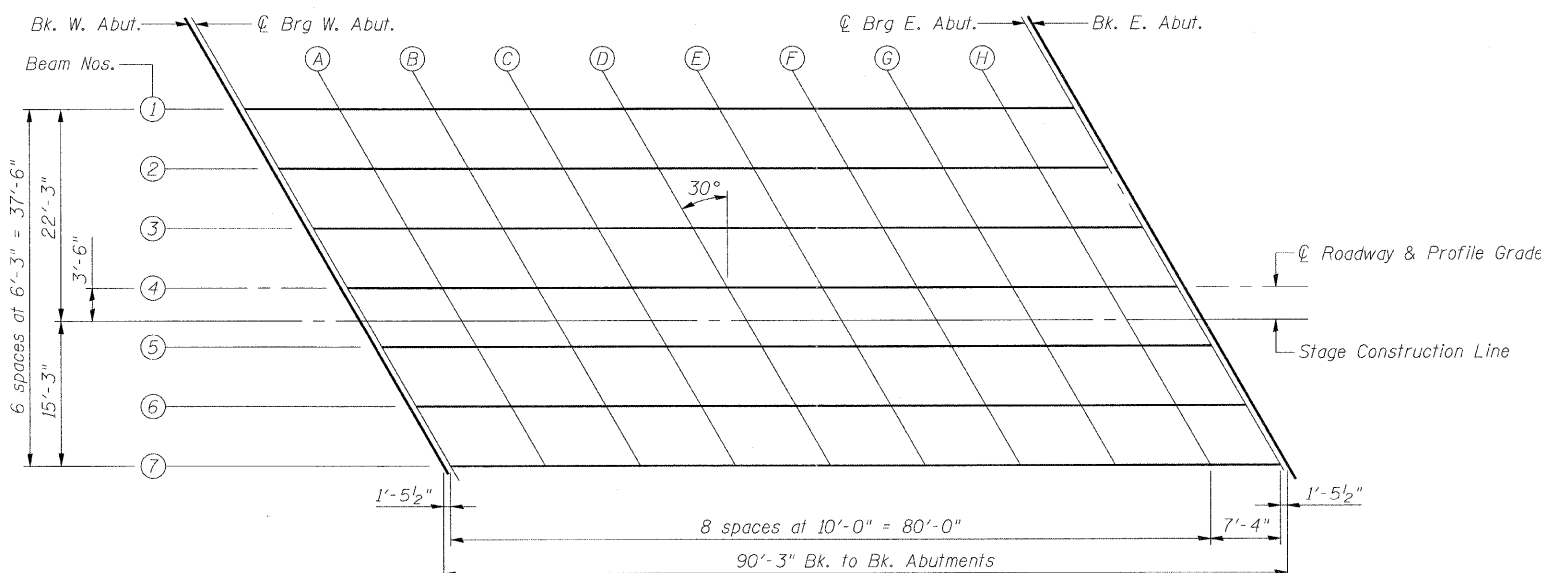
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	72920.16	-12.500	583.792	583.792
CL Brg. W. Abut.	72921.62	-12.500	583.785	583.785
A	72931.62	-12.500	583.736	583.815
B	72941.62	-12.500	583.686	583.832
C	72951.62	-12.500	583.637	583.831
D	72961.62	-12.500	583.587	583.805
E	72971.62	-12.500	583.537	583.752
F	72981.62	-12.500	583.488	583.673
G	72991.62	-12.500	583.438	583.570
H	73001.62	-12.500	583.389	583.448
CL Brg. E. Abut.	73008.95	-12.500	583.352	583.352
Bk. E. Abut.	73010.41	-12.500	583.345	583.345

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	72923.77	-6.250	583.875	583.875
CL Brg. W. Abut.	72925.23	-6.250	583.868	583.868
A	72935.23	-6.250	583.818	583.897
B	72945.23	-6.250	583.768	583.915
C	72955.23	-6.250	583.719	583.913
D	72965.23	-6.250	583.669	583.888
E	72975.23	-6.250	583.620	583.835
F	72985.23	-6.250	583.570	583.755
G	72995.23	-6.250	583.521	583.652
H	73005.23	-6.250	583.471	583.530
CL Brg. E. Abut.	73012.56	-6.250	583.435	583.435
Bk. E. Abut.	73014.02	-6.250	583.427	583.427

BEAM 4, CENTERLINE & PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	72927.38	0.000	583.954	583.954
CL Brg. W. Abut.	72928.84	0.000	583.947	583.947
A	72938.84	0.000	583.898	583.977
B	72948.84	0.000	583.848	583.995
C	72958.84	0.000	583.799	583.993
D	72968.84	0.000	583.749	583.967
E	72978.84	0.000	583.700	583.915
F	72988.84	0.000	583.650	583.835
G	72998.84	0.000	583.600	583.732
H	73008.84	0.000	583.551	583.610
CL Brg. E. Abut.	73016.17	0.000	583.514	583.514
Bk. E. Abut.	73017.63	0.000	583.507	583.507



PLAN



REVISIONS		
NAME	DATE	

ILLINOIS DEPARTMENT OF TRANSPORTATION
TOP OF SLAB ELEVATIONS (1 OF 2)

IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 6BR-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

SCALE: VERT. _____
HORIZ. _____
DATE: 8/25/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

GREENE & BRADFORD, INC.
OF SPRINGFIELD

COMPUTER FILE NO.
01256TOS

PROJECT 01256
2/26/10-FAV

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E-S 4-30-97

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 6 18 SHEETS
FAP 95	6BR-7	JASPER	546	246	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

Contract No. 94437

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	72929.40	3.500	583.890	583.890
CL Brg. W. Abut.	72930.86	3.500	583.883	583.883
A	72940.86	3.500	583.833	583.912
B	72950.86	3.500	583.784	583.930
C	72960.86	3.500	583.734	583.929
D	72970.86	3.500	583.684	583.903
E	72980.86	3.500	583.635	583.850
F	72990.86	3.500	583.585	583.771
G	73000.86	3.500	583.536	583.667
H	73010.86	3.500	583.486	583.545
CL Brg. E. Abut.	73018.19	3.500	583.450	583.450
Bk. E. Abut	73019.65	3.500	583.443	583.443

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	72930.99	6.250	583.839	583.839
CL Brg. W. Abut.	72932.45	6.250	583.832	583.832
A	72942.45	6.250	583.782	583.861
B	72952.45	6.250	583.733	583.879
C	72962.45	6.250	583.683	583.878
D	72972.45	6.250	583.634	583.852
E	72982.45	6.250	583.584	583.799
F	72992.45	6.250	583.535	583.720
G	73002.45	6.250	583.485	583.616
H	73012.45	6.250	583.435	583.494
CL Brg. E. Abut.	73019.78	6.250	583.399	583.399
Bk. E. Abut	73021.24	6.250	583.392	583.392

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	72934.60	12.500	583.721	583.721
CL Brg. W. Abut.	72936.06	12.500	583.714	583.714
A	72946.06	12.500	583.664	583.743
B	72956.06	12.500	583.615	583.761
C	72966.06	12.500	583.565	583.760
D	72976.06	12.500	583.515	583.734
E	72986.06	12.500	583.466	583.681
F	72996.06	12.500	583.416	583.602
G	73006.06	12.500	583.367	583.498
H	73016.06	12.500	583.317	583.376
CL Brg. E. Abut.	73023.39	12.500	583.281	583.281
Bk. E. Abut	73024.85	12.500	583.274	583.274

BEAM 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflections
Bk. W. Abut.	72938.21	18.750	583.573	583.573
CL Brg. W. Abut.	72939.66	18.750	583.566	583.566
A	72949.66	18.750	583.516	583.595
B	72959.66	18.750	583.466	583.613
C	72969.66	18.750	583.417	583.612
D	72979.66	18.750	583.367	583.586
E	72989.66	18.750	583.318	583.533
F	72999.66	18.750	583.268	583.453
G	73009.66	18.750	583.219	583.350
H	73019.66	18.750	583.169	583.228
CL Brg. E. Abut.	73027.00	18.750	583.133	583.133
Bk. E. Abut	73028.46	18.750	583.125	583.125

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E-S 4-30-97

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TOP OF SLAB ELEVATIONS (2 OF 2)
 IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
 FAP RTE 95 - SECTION 6BR-7
 JASPER COUNTY
 STATION 729+72.50
 SN 040-0021

SCALE: VERT. _____
 HORIZ. _____
 DATE: 3/25/04

DRAWN BY: LANDREY
 DESIGNED BY: SANFORD
 CHECKED BY: WATKINS

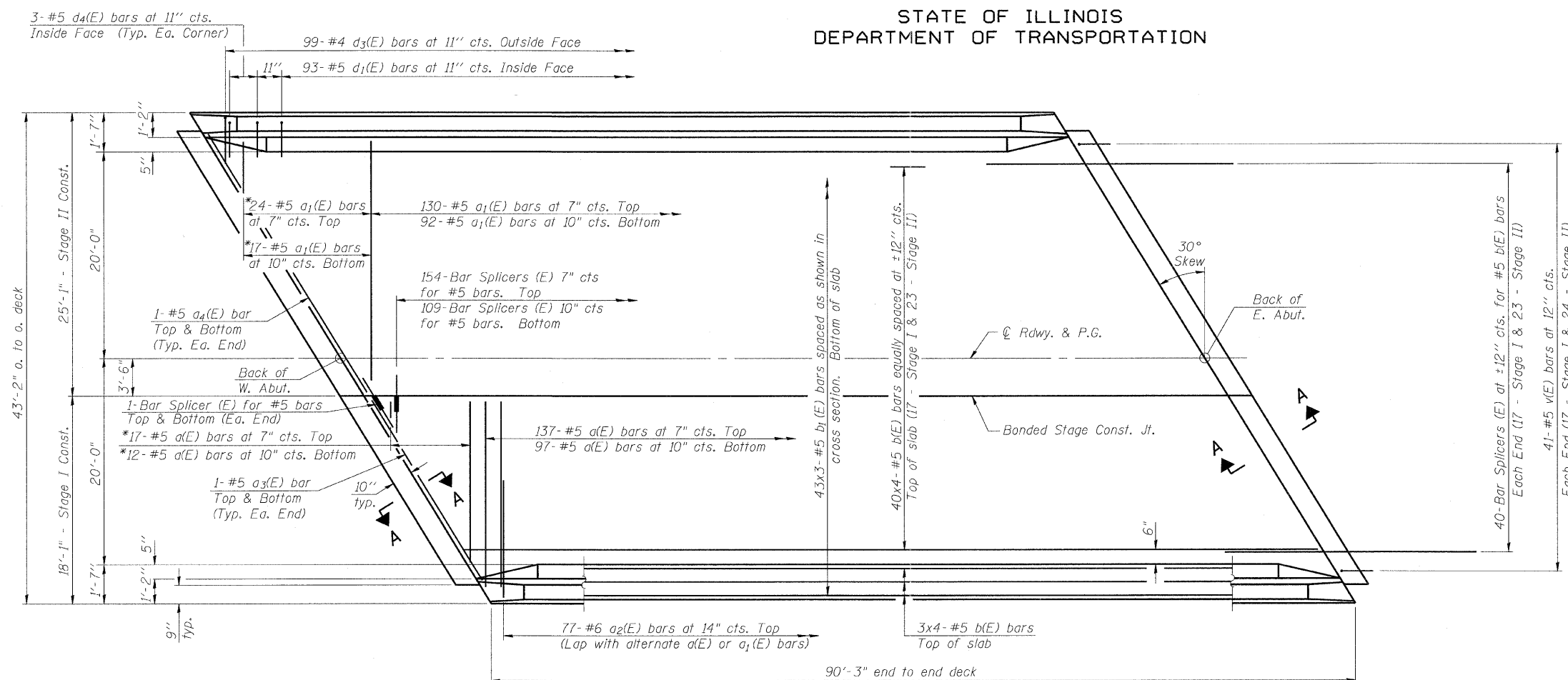
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 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 PROFESSIONAL ENGINEERS
 LICENSE NO. 021-0001005
 601 N. 11th St., Springfield, IL 62761-3000
 TEL: 217-223-8800 FAX: 217-223-8801

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 7
FAP 95	6BR-7	JASPER	546	247	18 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-			

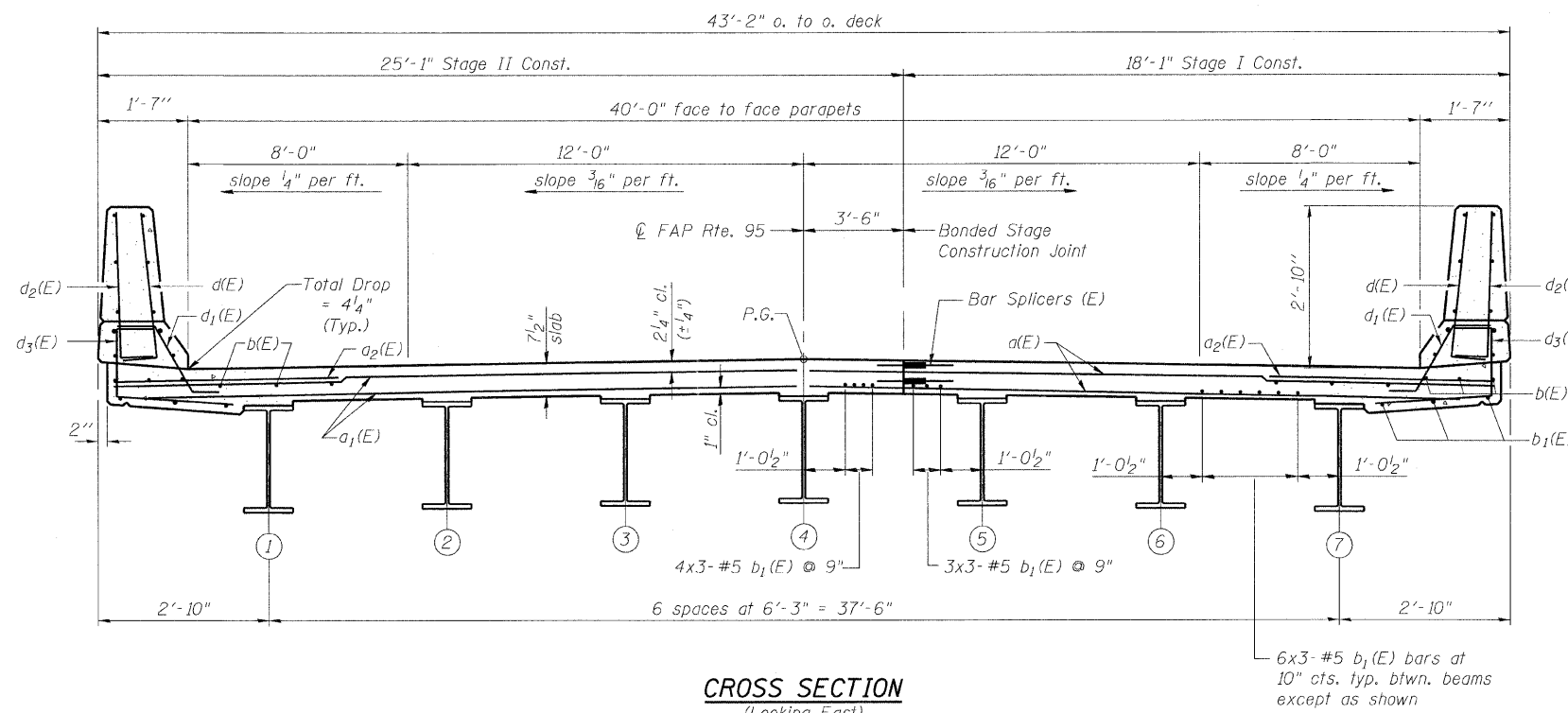
Contract No. 94437



PLAN

* Order a(E) and a₁(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

Min. Bar Lap
#5 bars = 1'-8"



CROSS SECTION
(Looking East)

Notes:
See Sheet 8 of 18 for superstructure details, parapet reinforcement and Bill of Material.
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE

IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 6BR-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

SCALE: VERT. _____
HORIZ. _____
DATE: 8/25/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

COMPUTER FILE NO.
01256SPX
PROJECT 01256
2/26/10-FAV

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
PROFESSIONAL ENGINEERS
PROFESSIONAL DESIGN FIRM NO. 0018
PROFESSIONAL & CONSULTING ENGINEERS CORPORATION
601 N. 5TH ST., SPRINGFIELD, ILL. 62761-1001
TEL: 217-223-8277 FAX: 217-223-8278

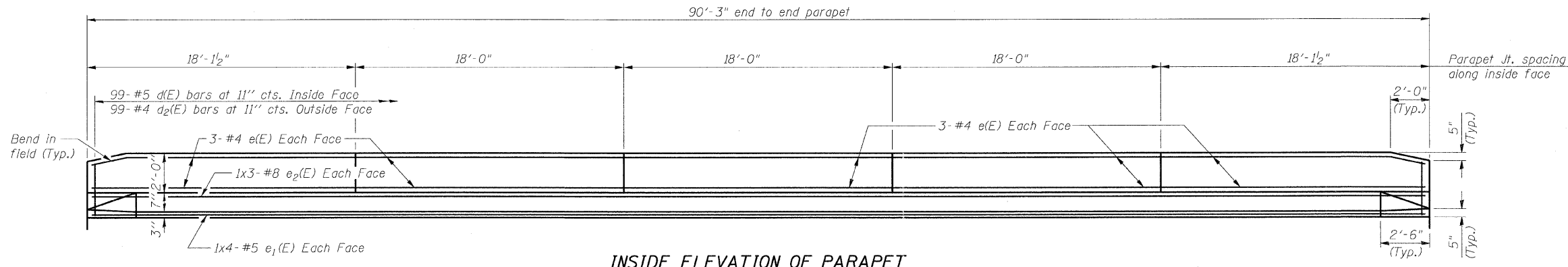
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 8 18 SHEETS
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FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-			

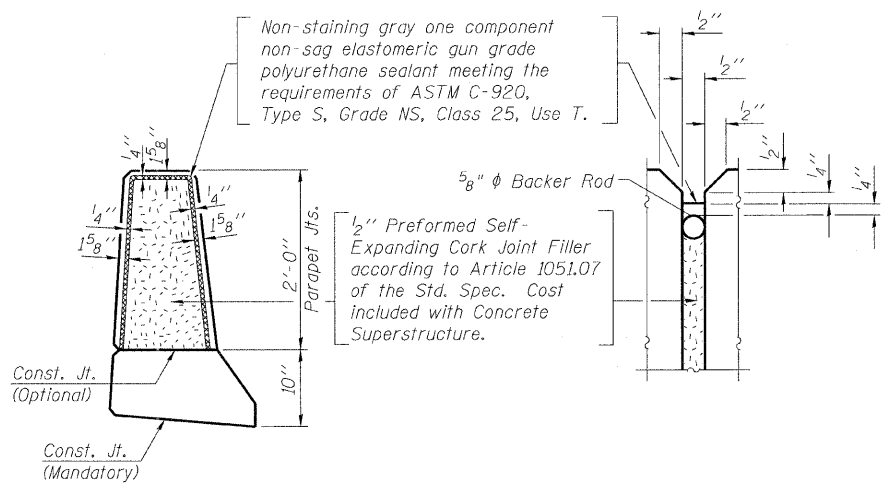
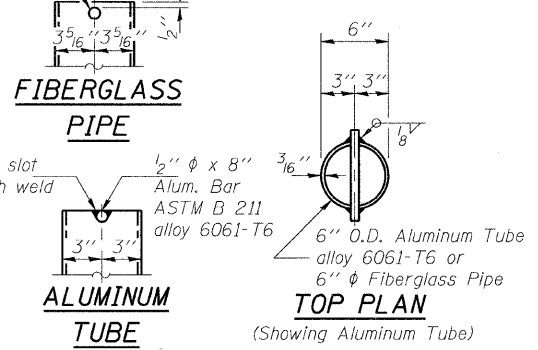
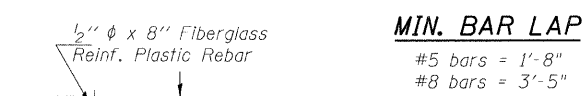
Contract No. 94437



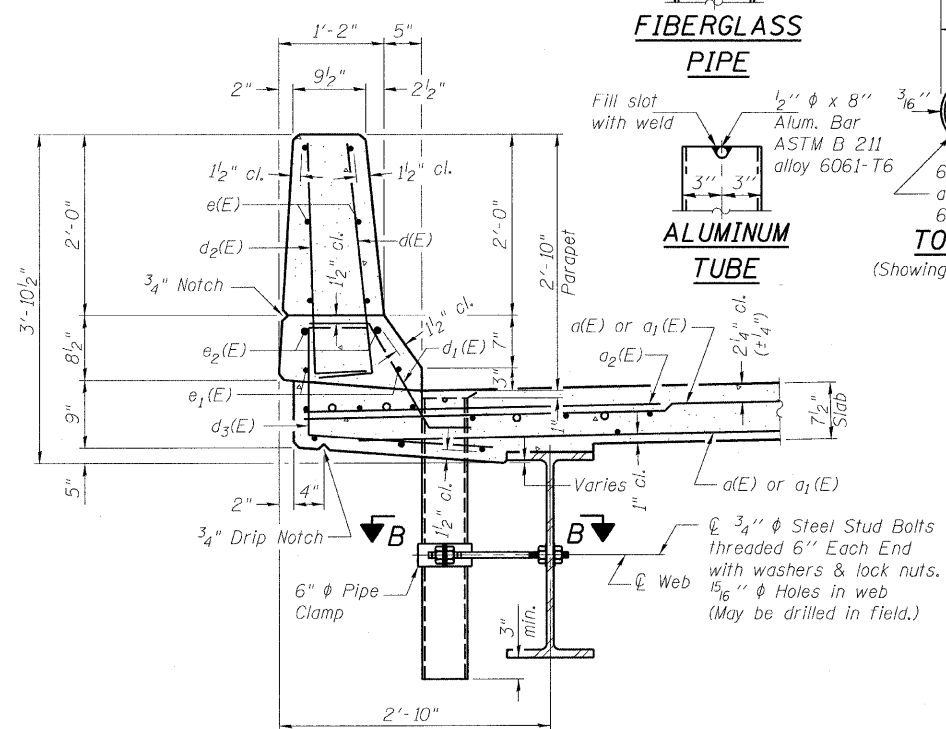
INSIDE ELEVATION OF PARAPET

SUPERSTRUCTURE
BILL OF MATERIAL

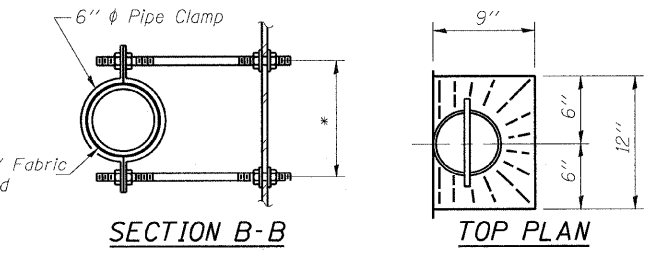
Bar	No.	Size	Length	Shape
a(E)	263	#5	17'-6"	—
a1(E)	263	#5	24'-6"	—
a2(E)	154	#6	4'-6"	—
a3(E)	4	#5	19'-6"	—
a4(E)	4	#5	28'-6"	—
b(E)	184	#5	23'-9"	—
b1(E)	129	#5	31'-2"	—
d(E)	198	#5	3'-0"	┌
d1(E)	186	#5	2'-5"	┌
d2(E)	198	#4	3'-0"	┌
d3(E)	198	#4	3'-6"	┌
d4(E)	12	#5	2'-7"	┌
e(E)	60	#4	17'-9"	—
e1(E)	16	#5	23'-9"	—
e2(E)	12	#8	32'-4"	—
m(E)	4	#6	19'-8"	—
m1(E)	6	#6	20'-6"	—
m2(E)	14	#6	9'-8"	—
m3(E)	10	#6	6'-0"	—
m4(E)	4	#6	2'-6"	—
m5(E)	2	#6	2'-7"	—
m6(E)	2	#6	3'-3"	—
m7(E)	4	#6	27'-10"	—
m8(E)	6	#6	28'-8"	—
s(E)	96	#5	5'-7"	┌
s1(E)	84	#4	10'-0"	┌
v(E)	82	#5	3'-2"	┌
Reinforcement Bars, Epoxy Coated		Pound	28,080	
Concrete Superstructure		Cu. Yds.	147.9	



PARAPET JOINT DETAILS

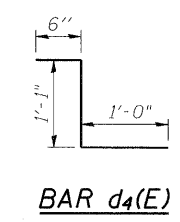
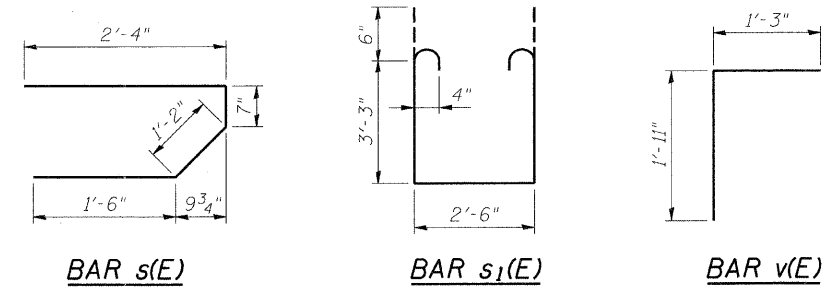
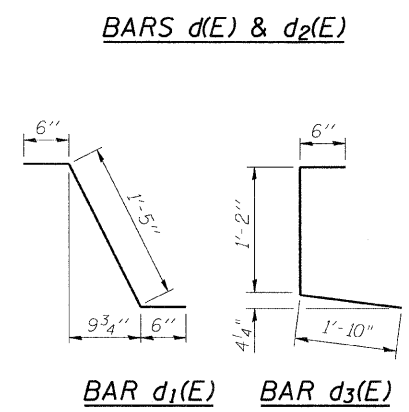


SECTION THRU PARAPET



SECTION B-B TOP PLAN

Notes:
The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to Steel Structures Painting Council's Spec. SSPC-SP1 prior to painting. Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUPERSTRUCTURE DETAILS

IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 6BR-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

SCALE: VERT. HORIZ.
DATE: 8/25/04

DESIGNED BY: LANDREY
CHECKED BY: WATKINS

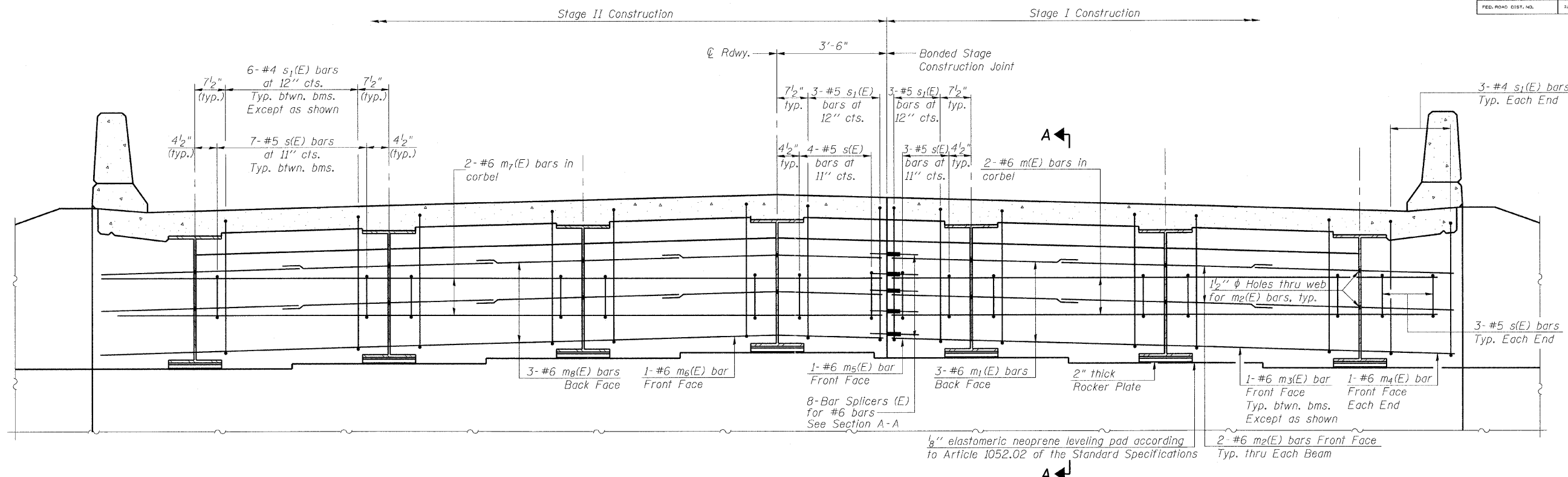
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PROJECT 01256
2/26/10-FAV

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSTRUCTION DIV.
PROFESSIONAL ENGINEER (No. 021-000001)
2010-000001

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OPERATOR: Franky

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

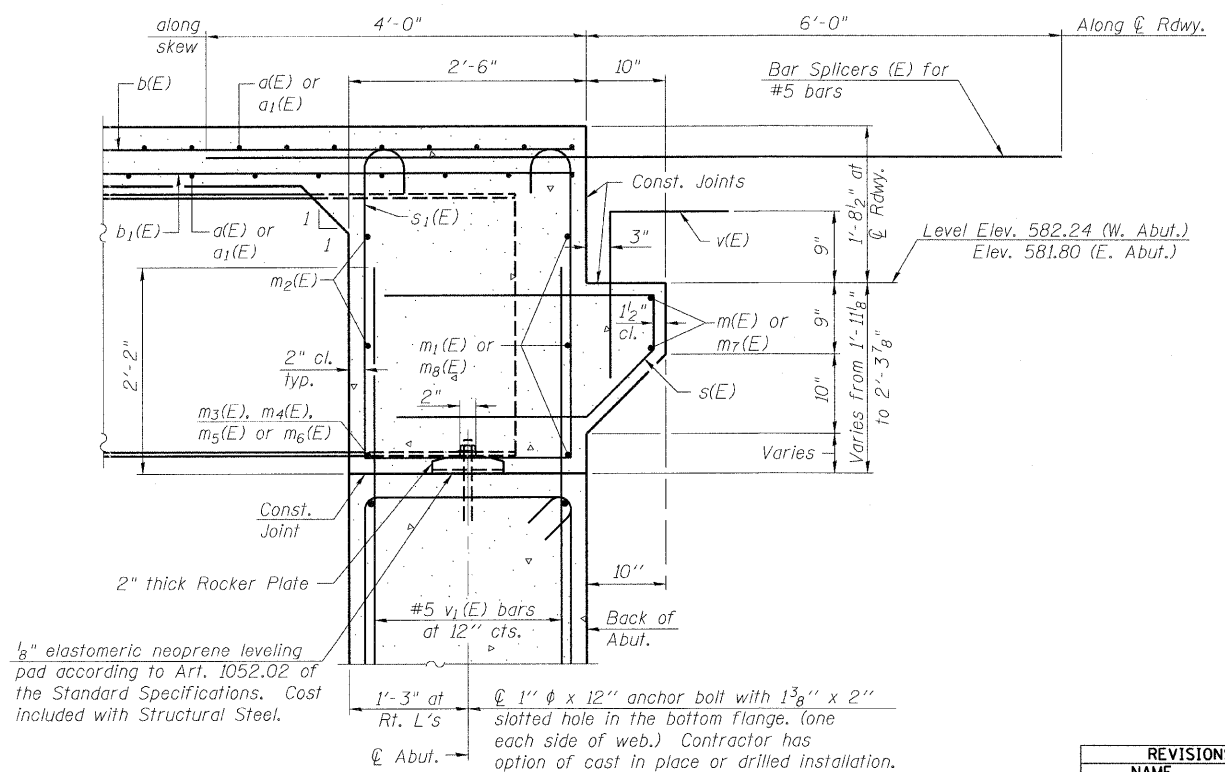
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 9
FAP 95	6BR-7	JASPER	546	249	18 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-			



DIAPHRAGM ELEVATION AT EAST ABUTMENT
(Looking East)
(West Abutment similar)

Notes:
Reinforcement bars in diaphragm are billed with superstructure on sheet 8 of 18.
Concrete in diaphragm is included with Concrete Superstructure on sheet 8 of 18.
For details of bars s(E) & s1(E) see sheet 8 of 18.
The s(E) and s1(E) bars shall be placed parallel to the beams. Spacing for these bars are shown at right angles to the beams.
For anchor bolt details see sheet 11 of 18.

MIN. BAR LAP
#5 bar = 1'-8"
#6 bar = 2'-9"



SECTION A-A

Dimensions at right angles to abutment, except as shown.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIAPHRAGM DETAILS
IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 6BR-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

SCALE: VERT. _____
HORIZ. _____
DATE: 8/25/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

GREENE & BRADFORD, INC.
OF SPRINGFIELD
REGISTERED PROFESSIONAL ENGINEERS
PROFESSIONAL ENGINEER STATE NO. 0011000
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COMPUTER FILE NO. 0125600
PROJECT 01256
2/26/10-FAV

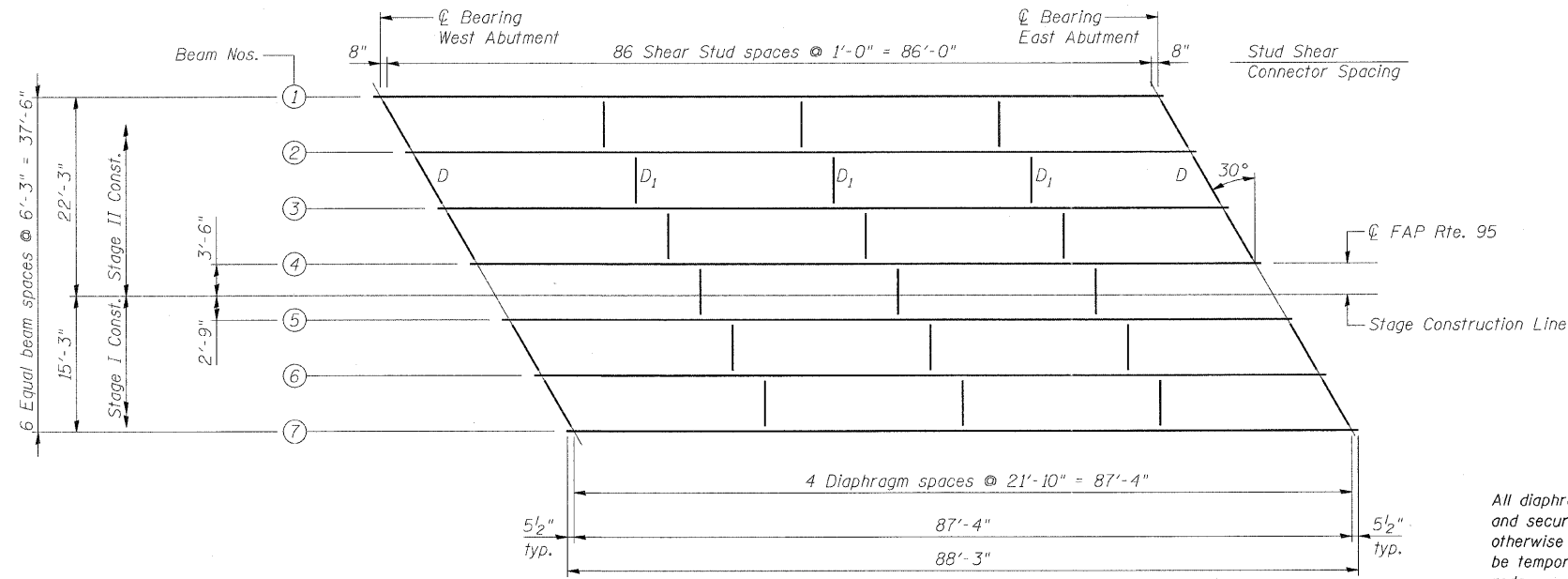
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OPERATOR = FRONKY

SI-DSI 9-01-03

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 10 18 SHEETS
FAP 95	6BR-7	JASPER	546	250	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

Contract No. 94437



FRAMING PLAN

(All beams W33x201 "NTR" - M270 Gr. 50)

All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.

		0.527 Span 1
I_s	(in ⁴)	11500
I_c (n)	(in ⁴)	25304
I_c (3n)	(in ⁴)	18644
S_s	(in ³)	684
S_c (n)	(in ³)	914
S_c (3n)	(in ³)	835
Z	(in ³)	
ϕ	(k/ft.)	0.844
$M\phi$	(k)	803
$s\phi$	(k/ft.)	0.414
$Ms\phi$	(k)	394
$M\ddagger$	(k)	737
M (Imp)	(k)	173
$\ddagger_3[M\ddagger + M(\text{Imp})]$	(k)	1517
M_a	(k)	3528
M_u	(k)	4265
$f_s\phi$ non-comp	(k.s.i.)	14.1
$f_s\phi$ (comp)	(k.s.i.)	5.7
$f_s\ddagger_3(\ddagger + \text{Imp})$	(k.s.i.)	19.9
f_s (Overload)	(k.s.i.)	39.7
f_s (Total)	(k.s.i.)	
VR	(k)	45.1

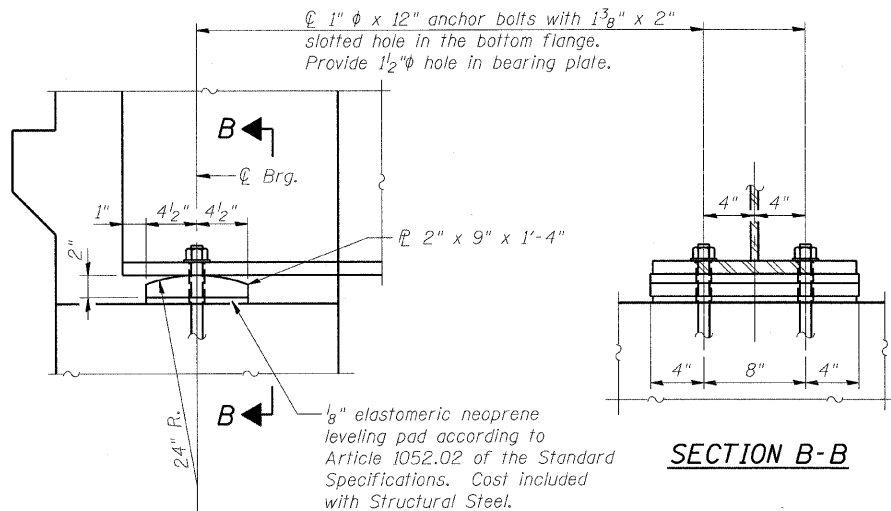
		Abut.
$R\phi$	(k)	55.0
$R\ddagger$	(k)	36.5
Imp.	(k)	8.6
R (Total)	(k)	100.1

TOP OF BEAM ELEVATIONS*

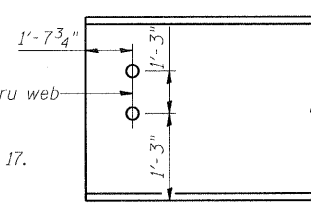
	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Beam 7
ϕ Bearing West Abut.	583.01	583.12	583.20	583.28	583.17	583.05	582.90
ϕ Bearing East Abut.	582.57	582.69	582.77	582.85	582.73	582.61	582.47

*For fabrication use only

Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

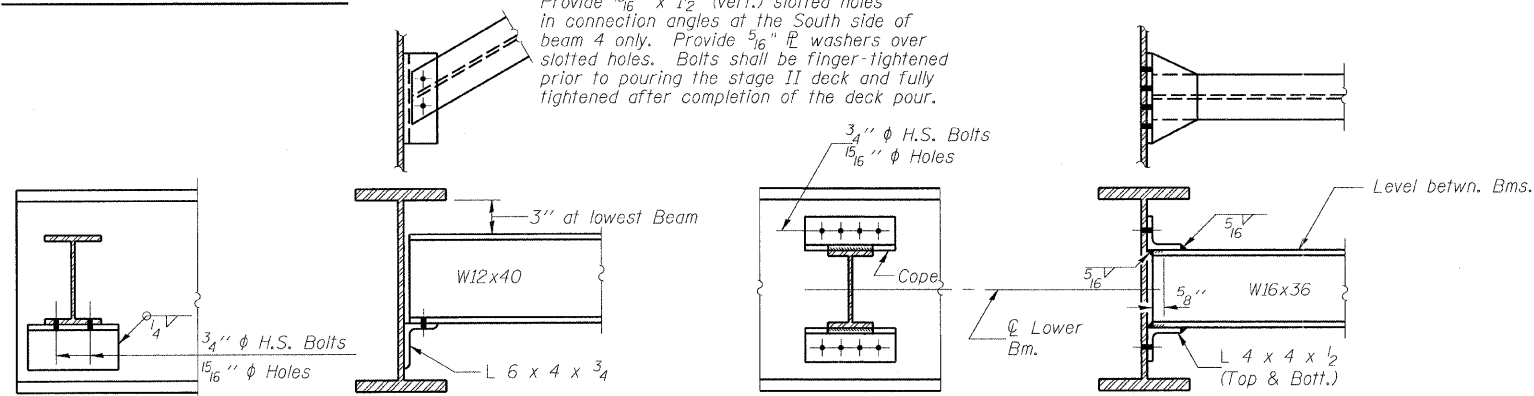


SECTION B-B



END OF BEAM ELEVATION

ELEVATION AT ABUTMENT



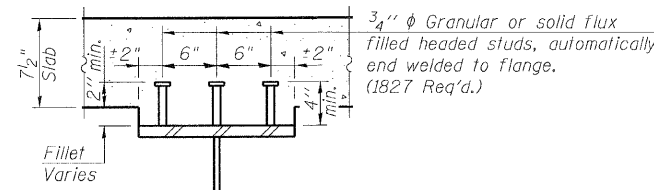
DIAPHRAGM D

(10 Required)

DIAPHRAGM D1

(18 Required)

Note:
Two hardened washers shall be required over all oversize holes.



SECTION THRU TOP FLANGE

I_s and S_s are the moment of inertia and section modulus of the steel section used in computing f_s (Total & Overload).

$I_c(n)$ and $S_c(n)$ are the moment of inertia and section modulus of the composite section used in computing stresses due to Live Load.

$I_c(3n)$ and $S_c(3n)$ are the moment of inertia and section modulus of the composite section used in computing stresses due to superimposed dead loads.

VR is the maximum Live Load + Impact shear range in span.

Z is the plastic section modulus used to determine the fully plastic moments in the non-composite areas.

M_a (Applied Moment) = $1.3[M\phi + Ms\phi + \ddagger_3(M\ddagger + M(\text{Imp}))]$.

The Plastic Moment capacity (M_u) is computed according to AASHTO 10.48.1 and 10.50.1.1.

f_s (Overload) is the sum of the stresses due to $M\phi + Ms\phi + \ddagger_3(M\ddagger + M(\text{Imp}))$.

f_s (Total) (Non-compact section) is the sum of the stresses due to $1.3[M\phi + Ms\phi + \ddagger_3(M\ddagger + M(\text{Imp}))]$.

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STRUCTURAL STEEL

IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 6BR-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

SCALE: VERT. _____
HORIZ. _____
DATE: 8/25/04

GREENE & BRADFORD, INC.
OF SPRINGFIELD

DESIGNED BY: LANDREY
CHECKED BY: WATKINS

COMPUTER FILE NO. 0125655
PROJECT 01256
2/26/10-FAV

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PLOT DATE = 3/17/2010
PLOT TIME = 5:16:44 PM
OPERATOR = F-ronky

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 11 18 SHEETS
FAP 95	6BR-7	JASPER	546	251	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT -		

Contract No. 94437

The Illinois Coil-Lock Anchor Bolt is a proprietary item which is the property of the Illinois Department of Transportation. Use, reproduction or disclosure without express written permission is prohibited and protected under Federal copyright laws. The production and the fabrication of this bolt for use on highway projects in the State of Illinois shall be permitted and there shall be no incurred charges or fees to the manufacturer or the fabricator for producing or fabricating this bolt.

MATERIALS FOR ILLINOIS COIL-LOCK ANCHOR BOLT

The anchor bolt shall be fabricated from cold drawn or hot finished seamless carbon steel mechanical tubing conforming to ASTM A 519, Grade 1026, CW and supplied with hexagonal nuts and cut washers.
The coil wire shall be made of any suitable soft steel wire.
The finished anchor bolt shall be cleaned of rust and other foreign materials and wrapped or packaged to prevent contamination until they are installed.
The epoxy grout shall be a two-component, epoxy resin bonding system conforming to ASTM C 881, Type I, Grade 1 and of a Class suitable for the temperature at installation.

GENERAL NOTES

Holes in the masonry for anchor bolts shall be drilled through the base plates to the diameter and depth shown or according to the manufacturer's recommendation after beams or girders have been erected and adjusted.
Prior to setting the bolts, the holes shall be dry and all dust and loose particles shall be removed by the use of compressed air or vacuuming.
The anchor bolts, furnished and installed including the epoxy grout or capsules shall not be paid for separately but shall be included in the unit bid price for Furnishing and Erecting Structural Steel.

INSTALLATION PROCEDURE for the ILLINOIS COIL-LOCK ANCHOR BOLT

1. With the coil wire in place, the bolt shall be inserted into the hole and turned clockwise to a snug fit in the hole. Nut and washer shall be placed on the bolt. The nut shall be tensioned until the steel base plates are held securely to the concrete bearing seat.
2. Epoxy grout shall be pumped through the zerk fitting with a pressure gun. Pumping shall continue until the epoxy overflows the hole around the bolt shank. After pumping is discontinued, excess epoxy shall be immediately wiped off.

ALTERNATE ANCHOR BOLTS

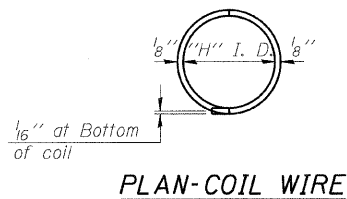
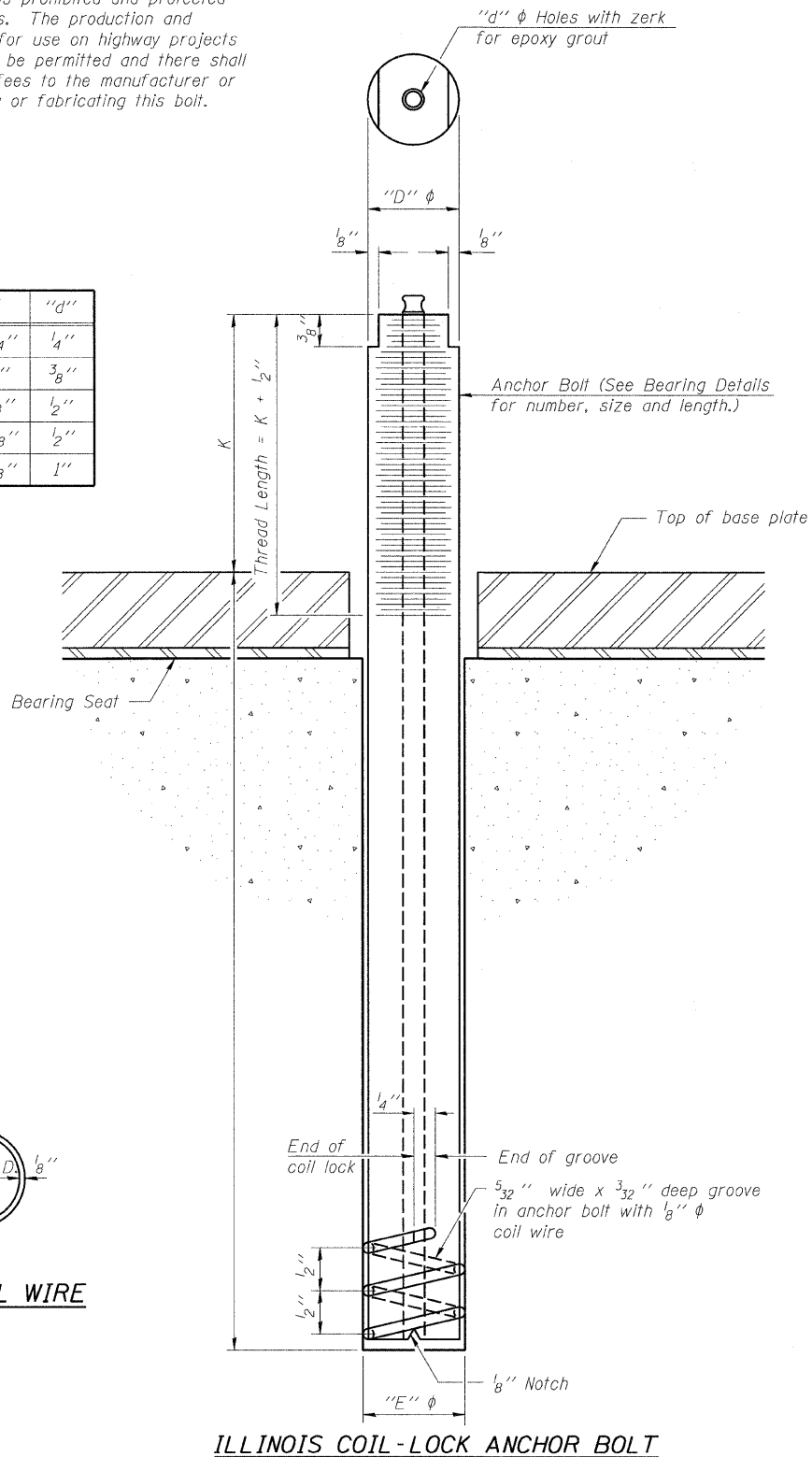
The Contractor may use, at his option, the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes according to the manufacturer's recommendations and procedures.
The capsule or the adhesive cartridge type anchor rods shall be a two part system composed of:

1. A threaded rod stud with nut and washer of the type specified.
2. A sealed glass capsule or a sealed glass adhesive cartridge containing premeasured amounts of the adhesive chemical.

Location	Type
Abuts	A 307

ASTM F 1554 Grade 105, ASTM A 449 and AASHTO M 314 Grade 105 anchor bolts may be substituted for the anchor bolts shown above.

D	E	H	K	"d"
1"	1 1/8"	1 3/16"	1 3/4"	1/4"
1 1/4"	1 3/8"	1 1/16"	2"	3/8"
1 1/2"	1 5/8"	1 5/16"	2 1/8"	1/2"
2"	2 1/8"	1 13/16"	2 7/8"	1/2"
2 1/2"	2 5/8"	2 5/16"	3 3/8"	1"



ILLINOIS COIL-LOCK ANCHOR BOLT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ANCHOR BOLT DETAILS FOR BEARINGS
IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 6BR-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

SCALE: VERT. _____
HORIZ. _____
DATE: 8/25/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

COMPUTER FILE NO.
01256ABB
PROJECT 01256
2/26/10-FAV

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
PROFESSIONAL ENGINEERS
PROFESSIONAL SURVEYORS
PROFESSIONAL DESIGN FIRM NO. 04-0076
ILL. REG. NO. 04-0076, ILL. REG. NO. 04-0076 - COOPERATION

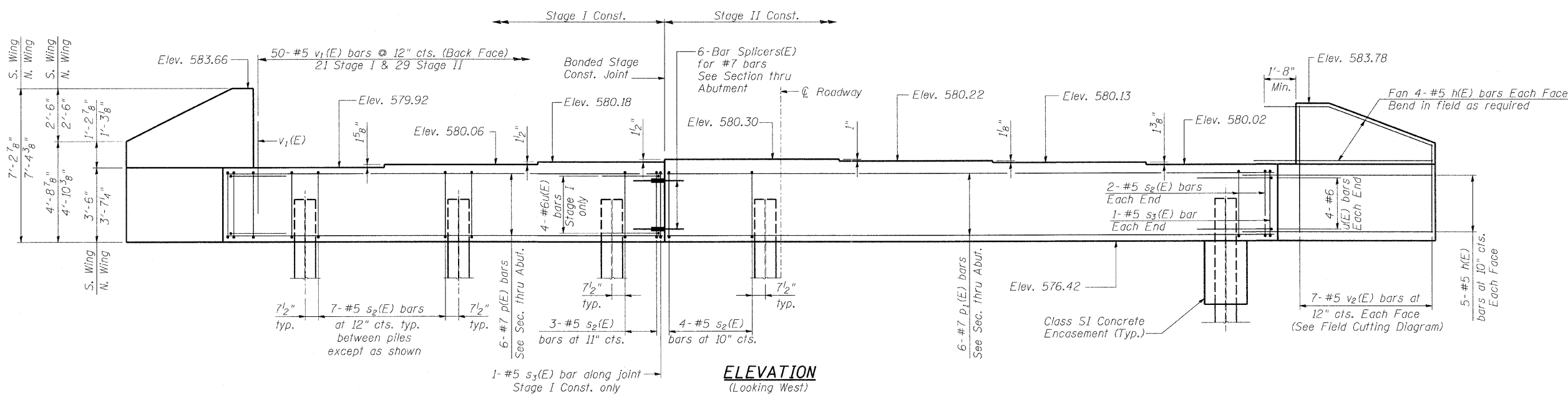
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OPERATOR = TPONK

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

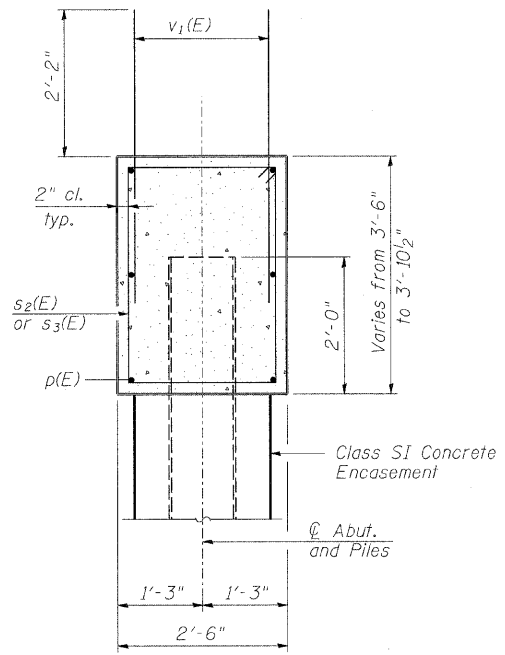
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 12 18 SHEETS
FAP 95	6BR-7	JASPER	546	252	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-			

Contract No. 94437

Notes:
Pour steps monolithically with cap.
Reinforcement bars designated (E)
shall be epoxy coated.

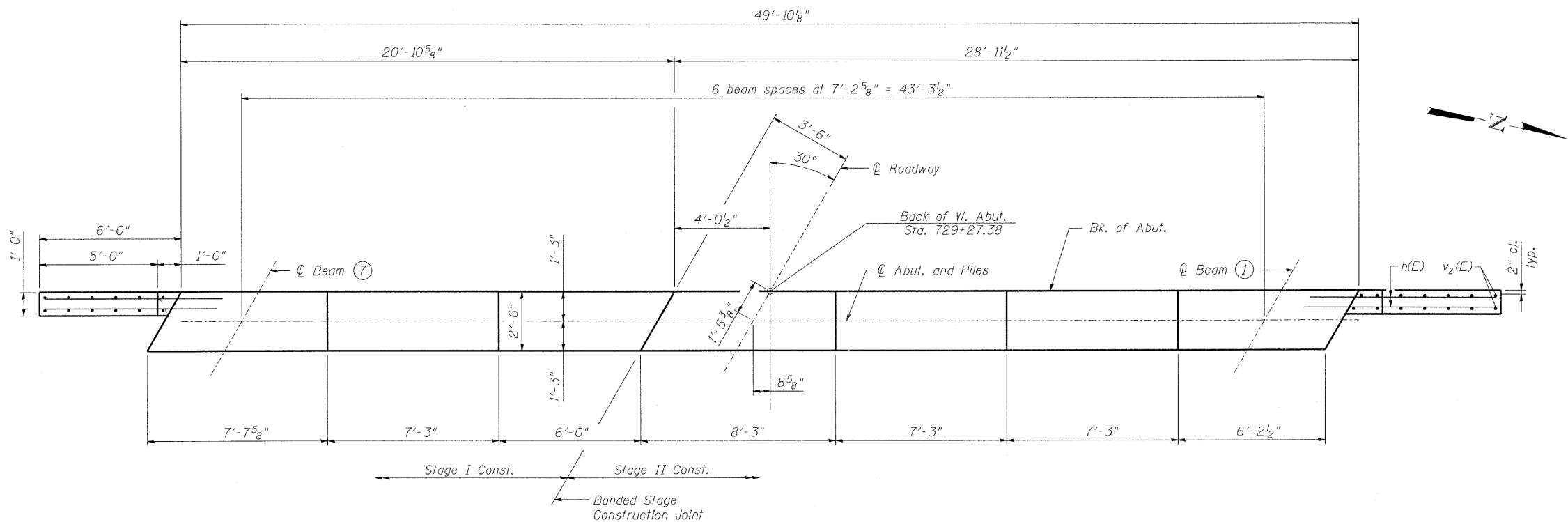


ELEVATION
(Looking West)



SECTION THRU ABUT.

MIN. BAR LAP
#7 bars = 3'-5"



PLAN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
WEST ABUTMENT
IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 6BR-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

SCALE: VERT. _____
HORIZ. _____
DATE: 8/25/04

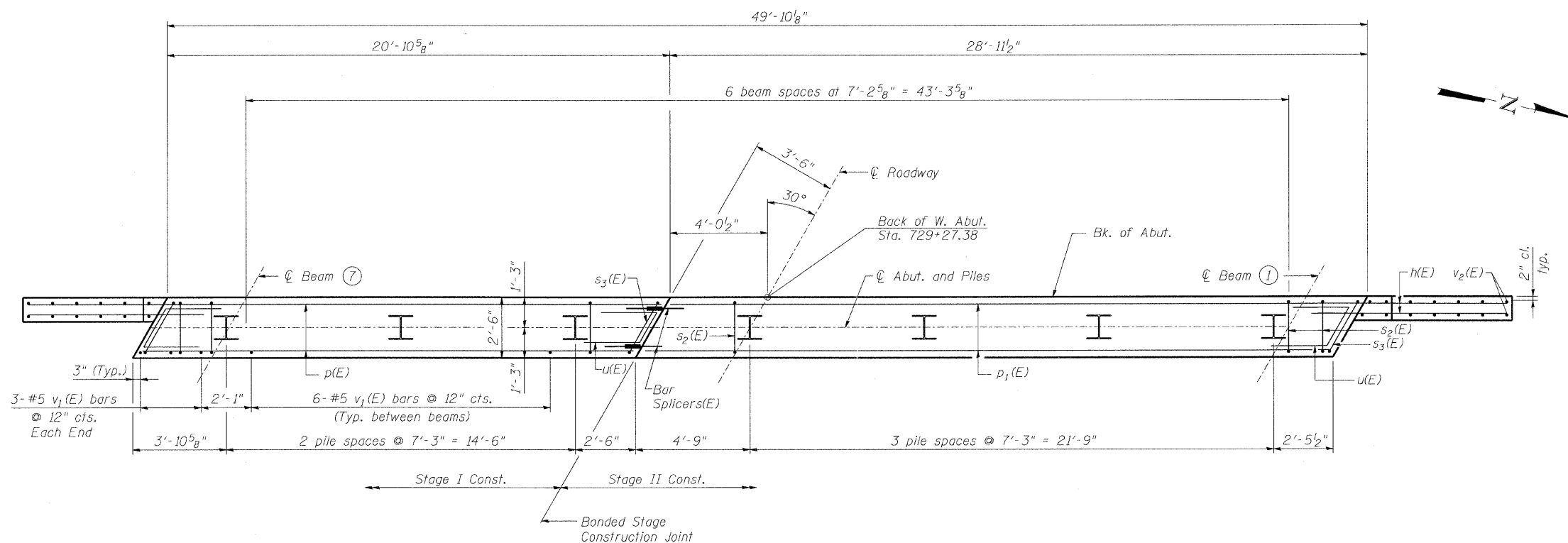
DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

COMPUTER FILE NO.
01256WAB
PROJECT 01256
2/26/10-FAV

GREENE & BRADFORD, INC.
OF SPRINGFIELD
PROFESSIONAL ENGINEERS AND ARCHITECTS
INCORPORATED
1015 W. WASHINGTON ST., SPRINGFIELD, ILL. 62760
TEL: 217-223-8844 FAX: 217-223-8877

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	LIST SHEETS	SHEET NO.	SHEET NO. 13 18 SHEETS
FAP 95	6BR-7	JASPER	546	253	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	Contract No. 94437		



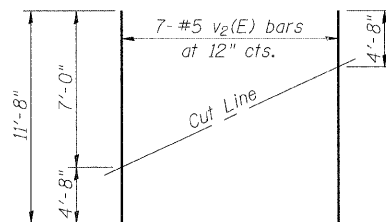
BILL OF MATERIAL

Bar No.	Size	Length	Shape
h(E)	#5	8'-5"	—
p(E)	#7	20'-7"	—
p ₁ (E)	#7	28'-8"	—
s ₂ (E)	#5	11'-7"	□
s ₃ (E)	#5	12'-5"	□
u(E)	#6	6'-8"	┘
v ₁ (E)	#5	4'-4"	—
v ₂ (E)	#5	11'-8"	—
Concrete Structures			Cu. Yd. 19.8
Reinforcement Bars, Epoxy Coated			Pound 2250
Structure Excavation			Cu. Yd. 100
Furnishing Steel Piles HP 12x53			Foot 402
Driving Piles			Foot 402
Test Pile Steel HP 12x53			Each 1
Pile Shoes			Each 7

PILE DATA

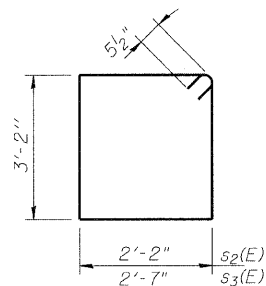
Type: Steel HP 12x53 with Pile Shoes
 Nominal Required Bearing: 418 Kips
 Factored Resistance Available: 139 Kips
 Est. Length: 67'
 No. Production Piles: 6
 No. Test Piles: 1

PLAN-CAP

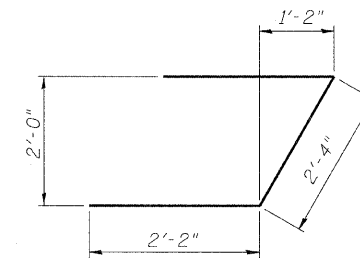


FIELD CUTTING DIAGRAM

Order v₂(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s₂(E) & s₃(E)



BAR u(E)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
WEST ABUTMENT
 IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
 FAP RTE 95 - SECTION 6BR-7
 JASPER COUNTY
 STATION 729+72.50
 SN 040-0021

SCALE: VERT. _____
 DATE: 8/25/04

DRAWN BY: LANDREY
 DESIGNED BY: SANFORD
 CHECKED BY: WATKINS

COMPUTER FILE NO. 01256WAB
 PROJECT 01256
 2/26/10-FAV

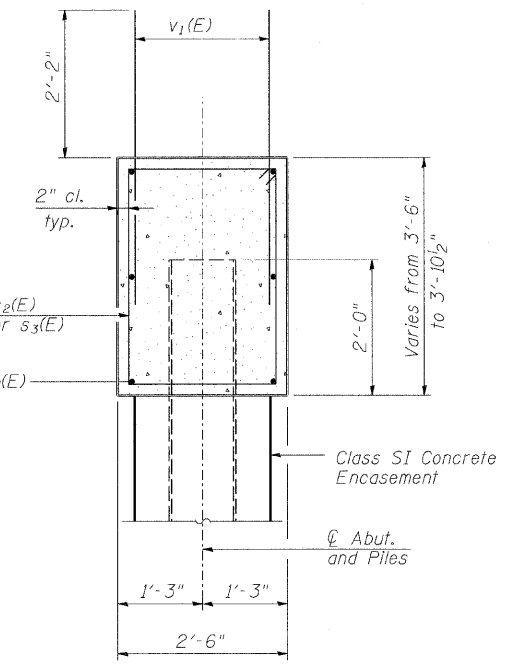
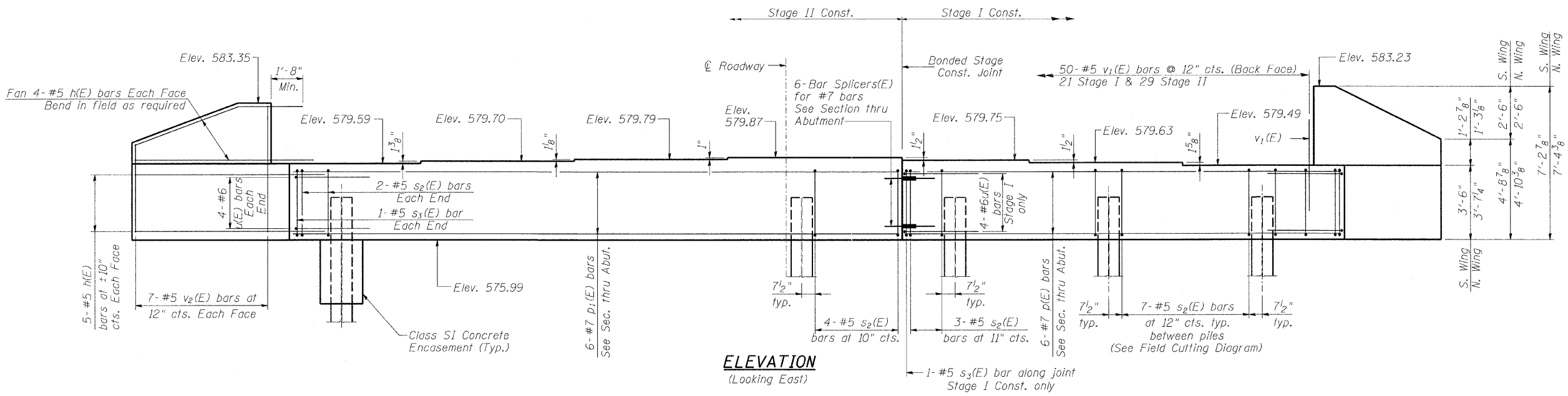
GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 REGISTERED PROFESSIONAL ENGINEERS
 LICENSE NO. 12127 & 12128
 PROFESSIONAL DESIGN FIRM NO. 0038
 REGISTERED PROFESSIONAL ARCHITECTS
 LICENSE NO. 0001 & 0002

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

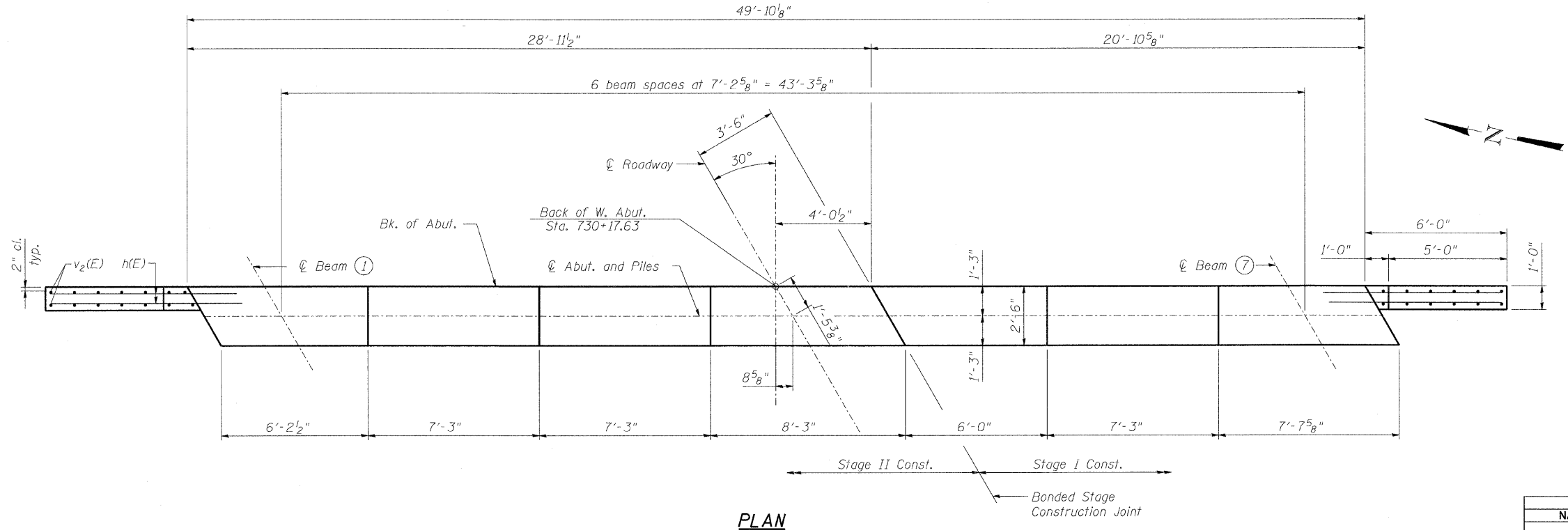
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FAP 95	6BR-7	JASPER	546	254	18 SHEETS
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-			

Contract No. 94437

Notes:
Pour steps monolithically with cap.
Reinforcement bars designated (E)
shall be epoxy coated.



MIN. BAR LAP
#7 bars = 3'-5"



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EAST ABUTMENT

IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 6BR-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

SCALE: VERT.
SCALE: HORIZ.
DATE: 8/25/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

COMPUTER FILE NO.
01256EAB
PROJECT 01256
2/26/10-FAV

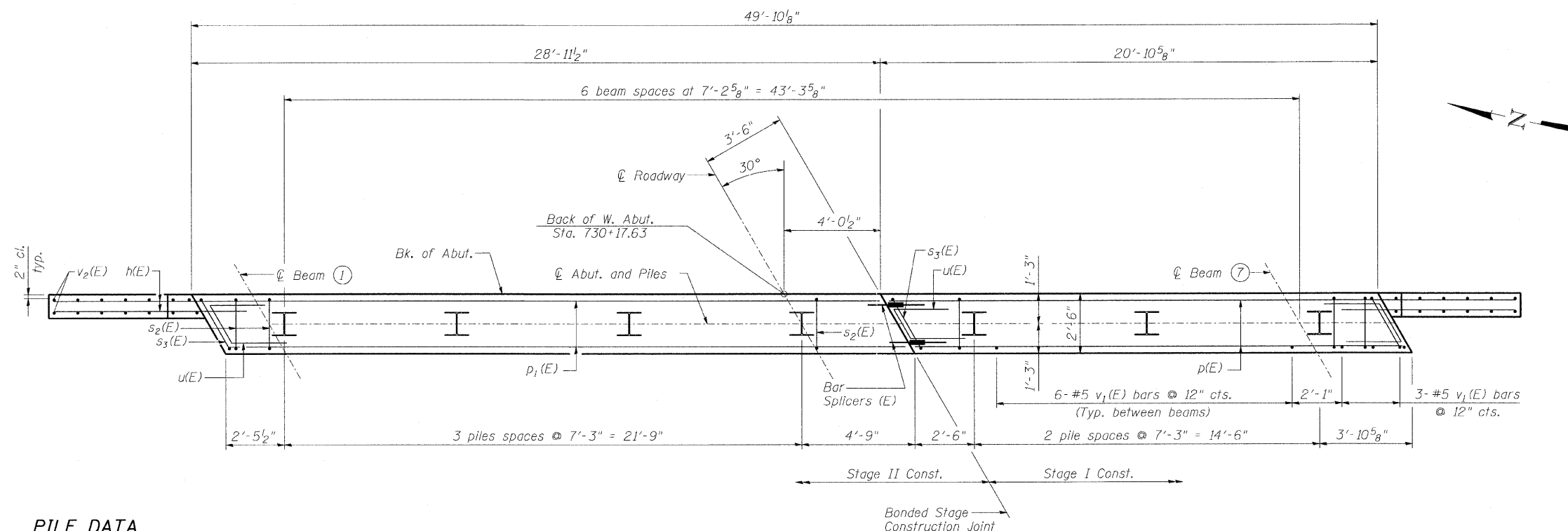
GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
300 CONSTITUTION SQUARE
SPRINGFIELD, ILLINOIS 62761
PROFESSIONAL ENGINEERS
ILLINOIS LICENSE NO. 021-0000000
021-0000000

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 15 18 SHEETS
FAP 95	6BR-7	JASPER	546	255	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-		

Contract No. 94437



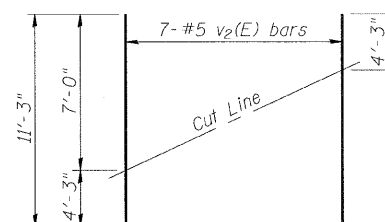
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	36	#5	8'-5"	—
p(E)	6	#7	20'-7"	—
D1(E)	6	#7	28'-8"	—
s2(E)	46	#5	11'-7"	□
s3(E)	3	#5	12'-5"	□
u(E)	12	#6	6'-8"	┘
v1(E)	98	#5	4'-4"	—
v2(E)	14	#5	11'-8"	—
Concrete Structures			Cu. Yd.	19.8
Reinforcement Bars, Epoxy Coated			Pound	2250
Structure Excavation			Cu. Yd.	100
Furnishing Steel Piles HP 12x53			Foot	469
Driving Piles			Foot	469
Pile Shoes			Each	7

PILE DATA

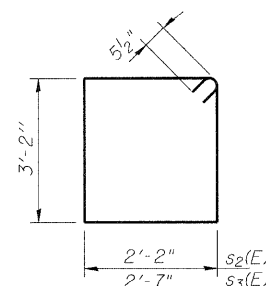
Type: Steel HP 12x53 with Pile Shoes
 Nominal Required Bearing: 418 Kips
 Factored Resistance Available: 139 Kips
 Est. Length: 67'
 No. Production Piles: 7
 No. Test Piles: 0

PLAN-CAP

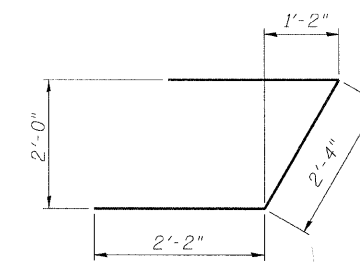


FIELD CUTTING DIAGRAM

Order v2(E) full length. Cut as shown and use remainder of bars in opposite face.



BARS s2(E) & s3(E)



BAR u(E)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
EAST ABUTMENT
 IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
 FAP RTE 95 - SECTION 6BR-7
 JASPER COUNTY
 STATION 729+72.50
 SN 040-0021

SCALE: VERT. _____
 HORIZ. _____
 DATE: 3/25/04

DRAWN BY: LANDREY
 DESIGNED BY: SANFORD
 CHECKED BY: WATKINS

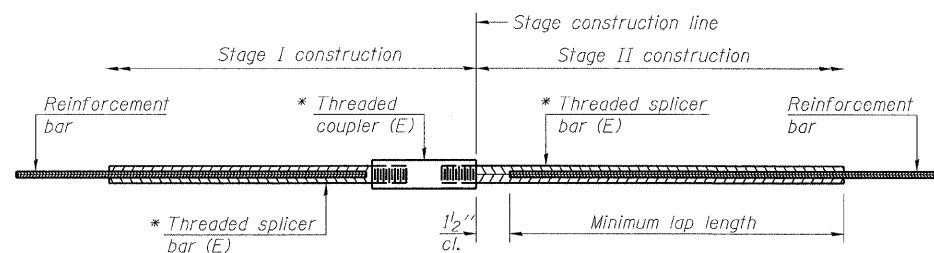
COMPUTER FILE NO.
 01256EAB
 PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 REGISTERED PROFESSIONAL ENGINEERS
 PROFESSIONAL DESIGN FIRM NO. 01256
 PROFESSIONAL & CONSULTING ENGINEERS
 601 N. 10th St., Springfield, IL 62761-1000
 217-782-8844, 217-782-8277 FAX 217-782-8844

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 16 18 SHEETS
FAP 95	6BR-7	JASPER	546	256	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-		

Contract No. 94437



STANDARD BAR SPLICER ASSEMBLY

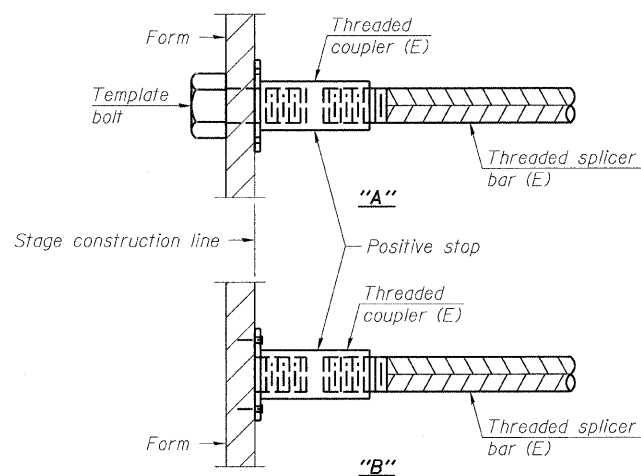
Bar size to be spliced	Minimum Lap Lengths			
	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5"	1'-11"	2'-1"	2'-4"
5	1'-9"	2'-5"	2'-7"	2'-11"
6	2'-1"	2'-11"	3'-1"	3'-6"
7	2'-9"	3'-10"	4'-2"	4'-8"
8	3'-8"	5'-1"	5'-5"	6'-2"
9	4'-7"	6'-5"	6'-10"	7'-9"

Table 1: Black bar, 0.8 Class C
Table 2: Black bar, Top bar lap, 0.8 Class C
Table 3: Epoxy bar, 0.8 Class C
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Threaded splicer bar length = min. lap length + 1/2" + thread length

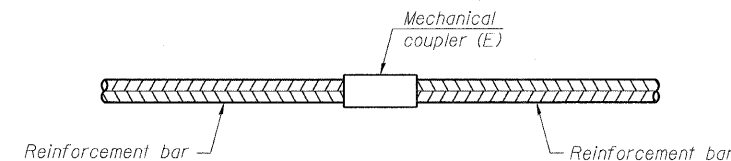
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Deck	#5	263	Table 4
Diaphragms	#6	16	Table 3
Abutments	#7	12	Table 3



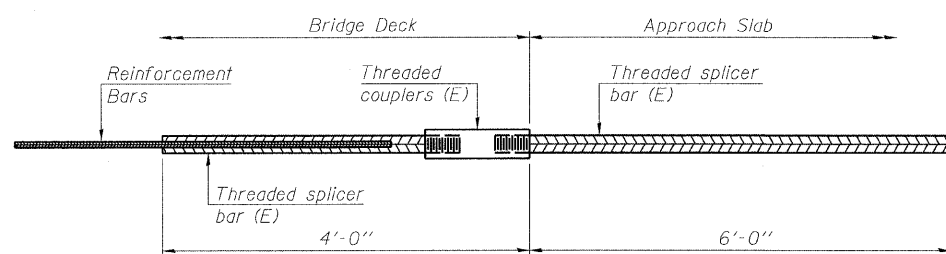
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



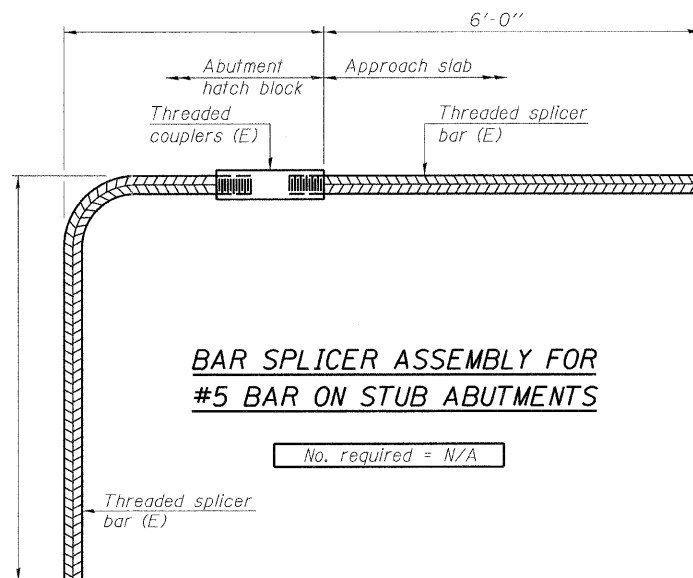
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required = 80



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required = N/A

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See special provision for Mechanical Splicers.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.
Load carrying components designated "NTR" shall conform to the Supplemental Requirements for Notch Toughness, Zone 2.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BAR SPLICER ASSEMBLY DETAILS
IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 6BR-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

SCALE: VERT. _____
HORIZ. _____
DATE: 8/25/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

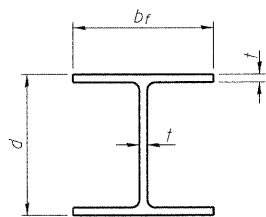
COMPUTER FILE NO. 01256BSD
PROJECT 01256
2/26/10-FAV

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
PROFESSIONAL ENGINEERS
ILLINOIS LICENSE NO. 021-00000000
MEMBER OF THE NATIONAL ASSOCIATION OF CONSULTING ENGINEERS

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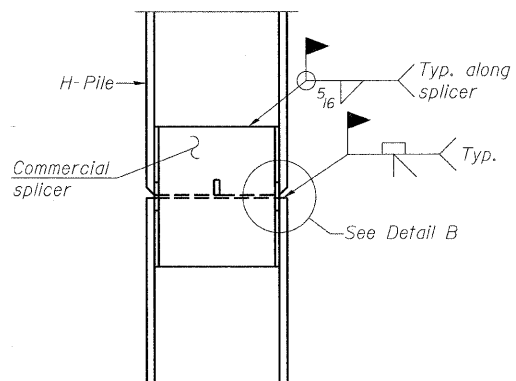
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 17 18 SHEETS
FAP 95	6BR-7	JASPER	546	257	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	Contract No. 94437		

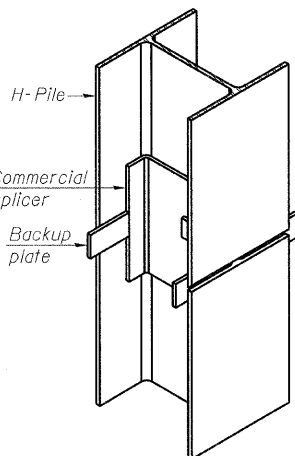


STEEL PILE TABLE

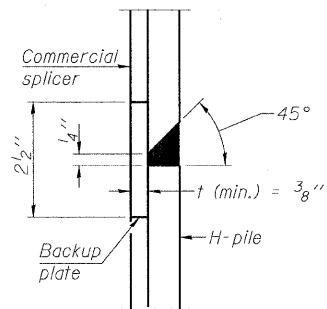
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	11/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	11/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

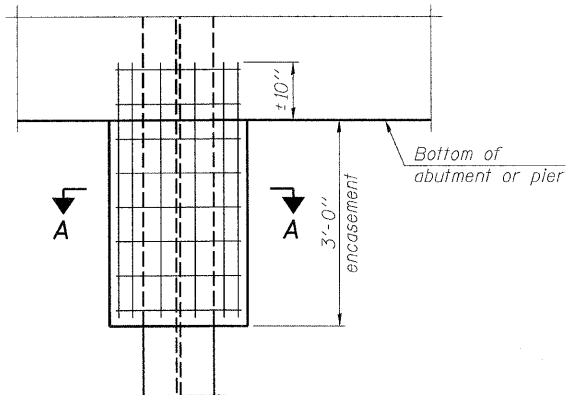


ISOMETRIC VIEW



DETAIL "B"

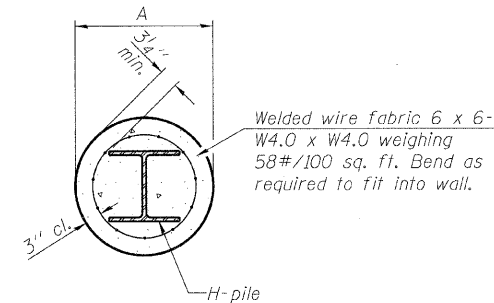
WELDED COMMERCIAL SPLICE



ELEVATION

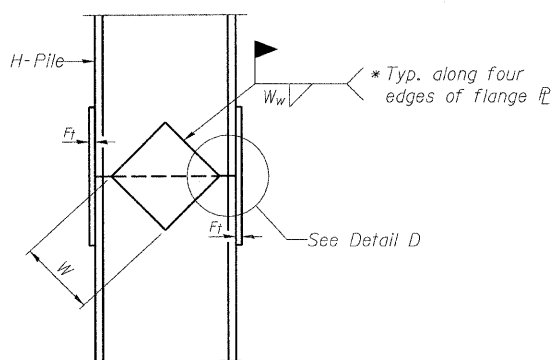
PILE ENCASUREMENT

Note:
The Cost of Excavation, Concrete Encasement and Reinforcement is Included with Furnishing Piles.

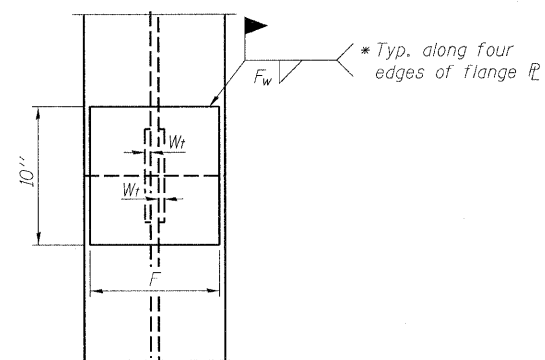


SECTION A-A

Note:
Forms for encasement may be omitted when soil conditions permit.

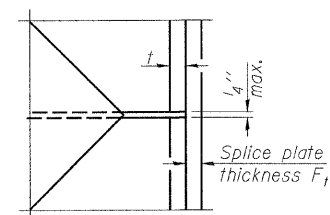


ELEVATION



END VIEW

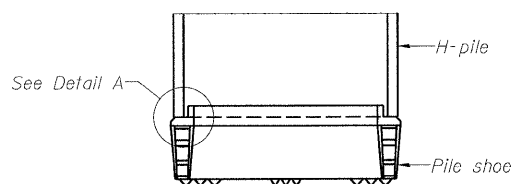
Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 1/2"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 1/2"	1/2"
x89	12 1/2"	3/4"	11/16"	7 3/4"	5 1/2"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 1/2"	1/2"
HP 12x84	10"	7/8"	11/16"	6 1/2"	5 1/2"	1/2"
x74	10"	7/8"	11/16"	6 1/2"	5 1/2"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"



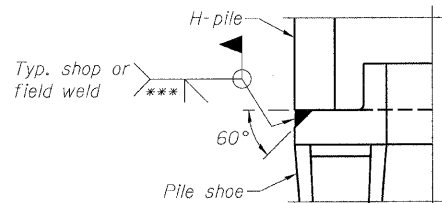
DETAIL D

WELDED PLATE FIELD SPLICE

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

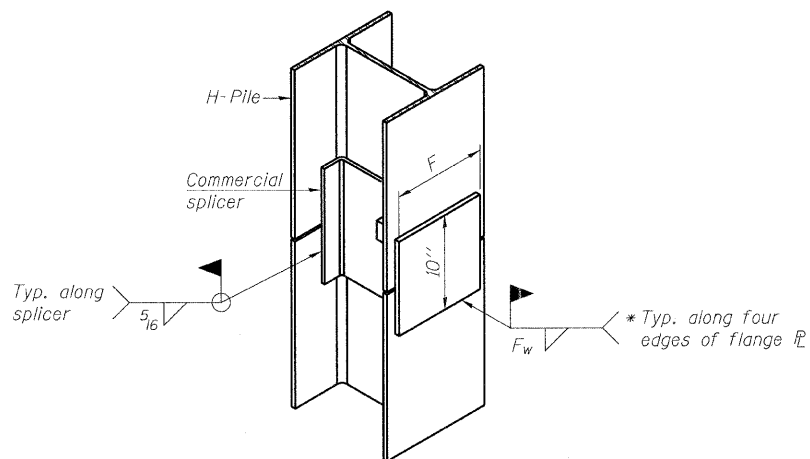


ELEVATION



DETAIL A

H-PILE SHOE ATTACHMENT



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
HP PILE DETAILS
IL RTE 33 OVER WEST FORK OF BIG MUDDY CREEK
FAP RTE 95 - SECTION 6BR-7
JASPER COUNTY
STATION 729+72.50
SN 040-0021

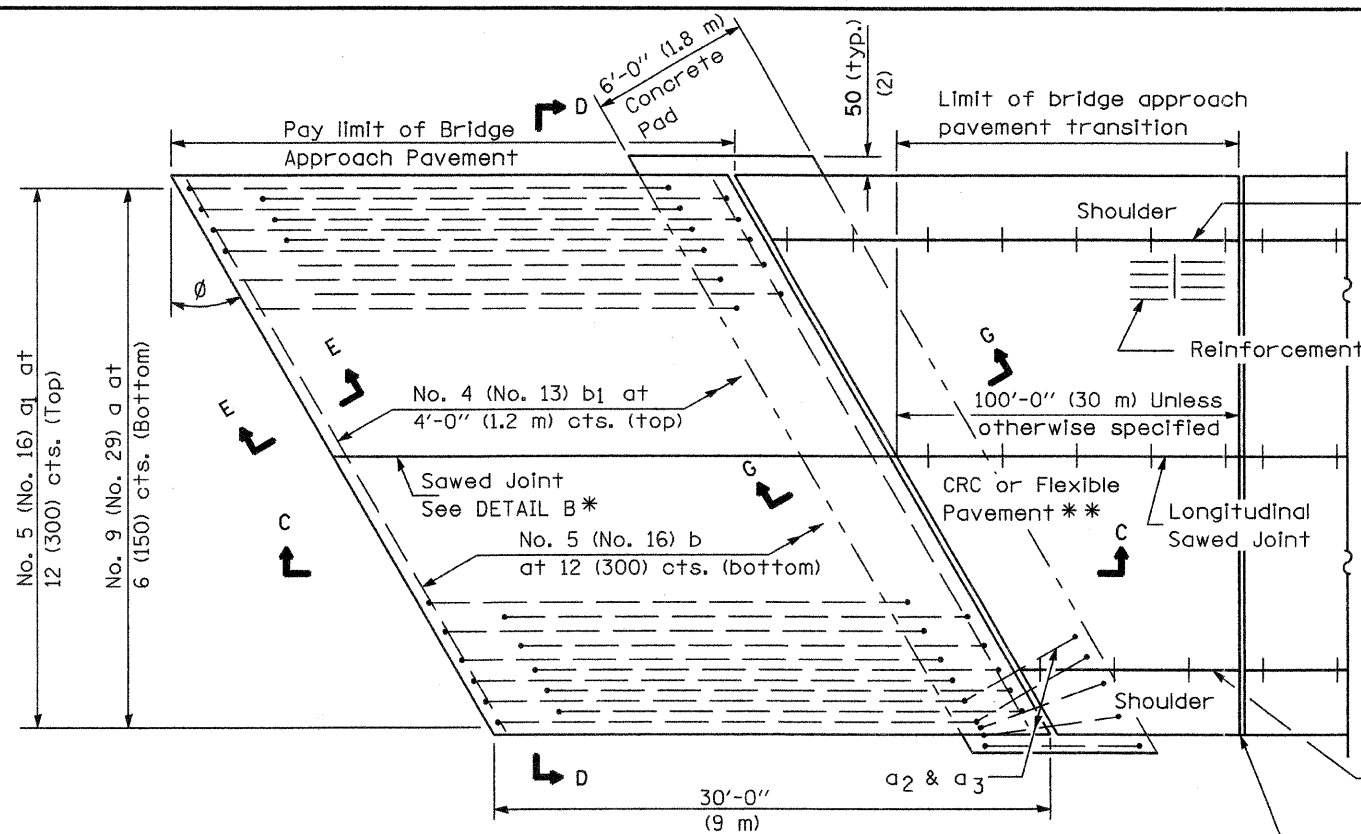
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HORIZ. _____
DATE: 8/25/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

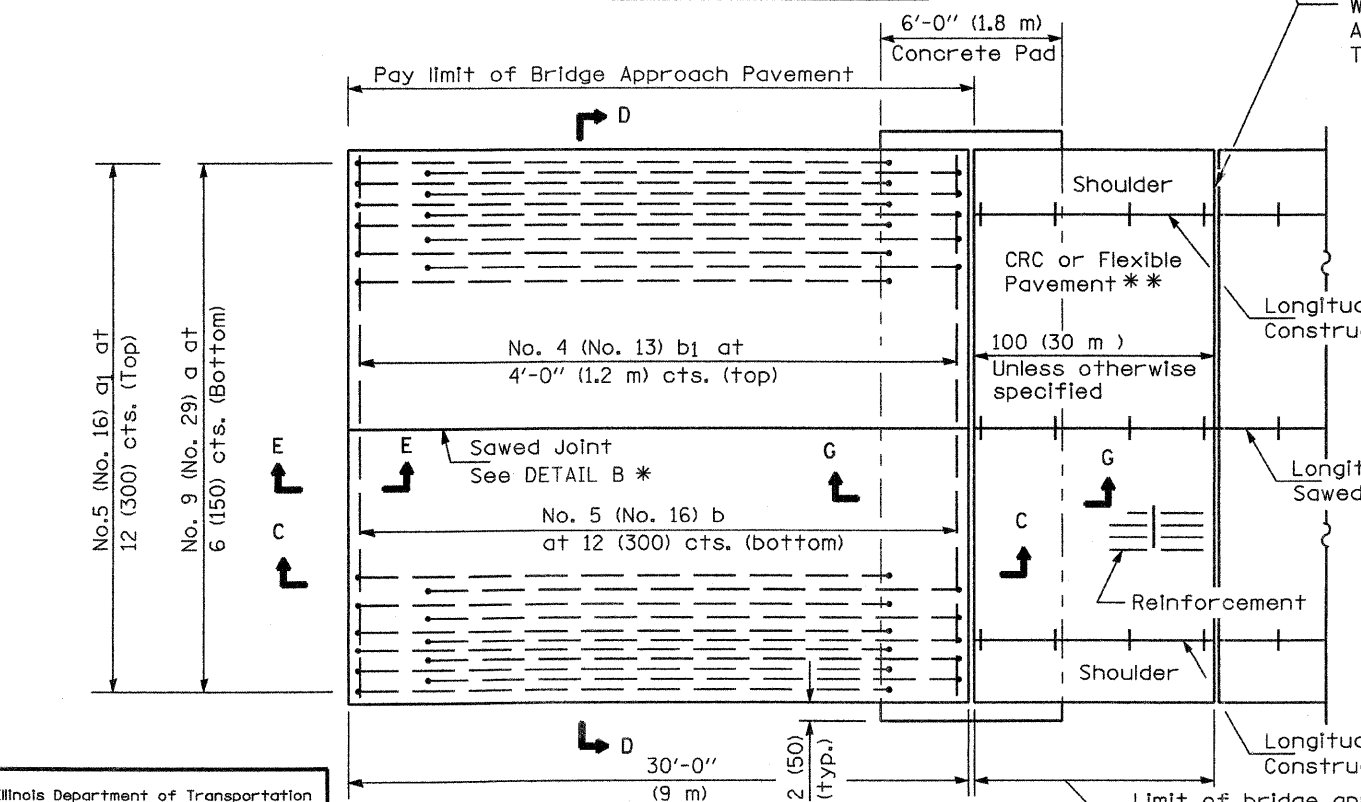
GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
310 WEST 11TH STREET, SUITE 200
JASPER, ILLINOIS 62532
PHONE: 618-338-1111 FAX: 618-338-1112
WWW.GRENEBRADFORD.COM

COMPUTER FILE NO.
01256HPPD
PROJECT 01256
2/26/10-FAV

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PLOT DATE = 3/17/2010
PLOT TIME = 5:18:05 PM
OPERATOR = Franky

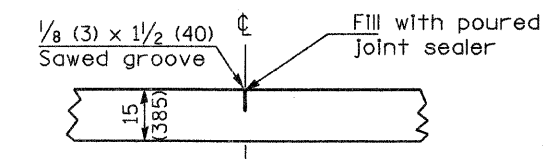


PLAN - WITH SKEW

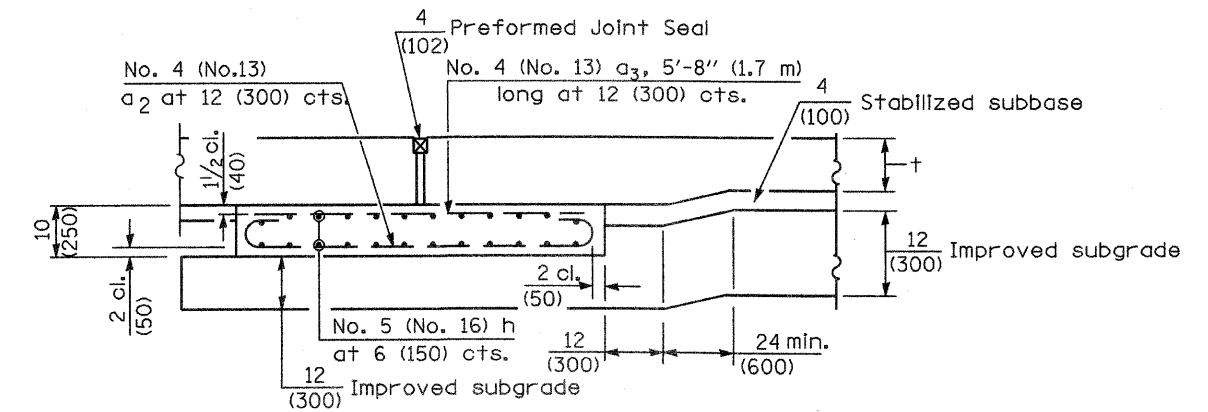


PLAN - WITHOUT SKEW

NEW CONSTRUCTION



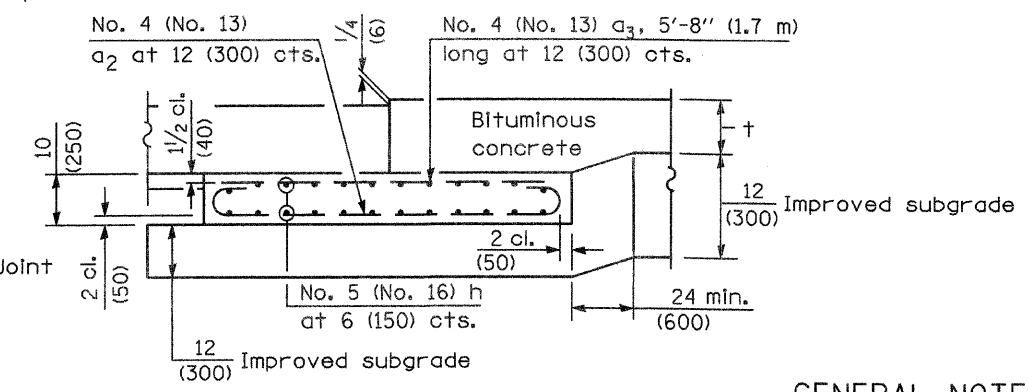
DETAIL B*
(Reinforcement Not Shown)



SECTION G-G - RIGID PAVEMENT
(Showing reinforcement)

Rigid Pavement only:

Wide Flange Beam Terminal Joint (See DETAIL AT BEAM - Standard 421101 or 421106) or 2 (50) Trans. Exp. Joint as detailed on Standard 420001.



SECTION G-G - FLEXIBLE PAVEMENT
(Showing reinforcement)

GENERAL NOTES

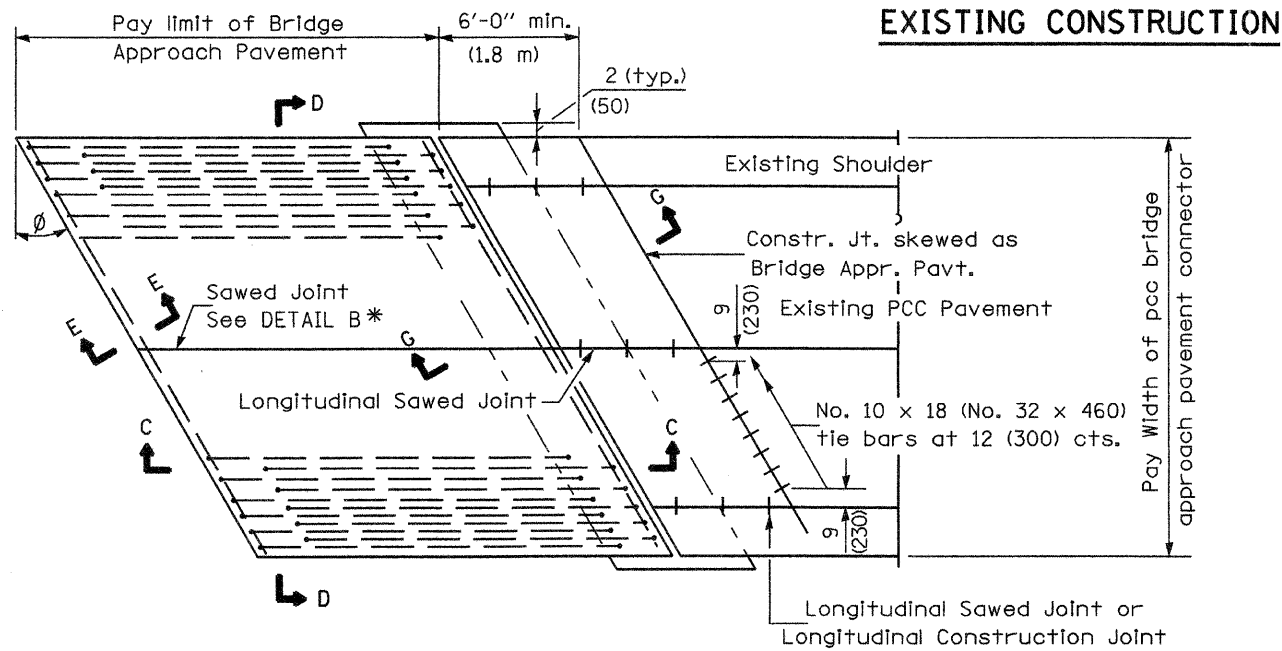
THICKNESS-"t"=Thickness of Pavement.
See Standard 421001 for reinforcement details not shown.
See Standard 420001 for joint details not shown.
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED January 1, 2008
ENGINEER OF BRIDGES AND STRUCTURES
APPROVED January 1, 2008
ENGINEER OF DESIGN AND ENVIRONMENT

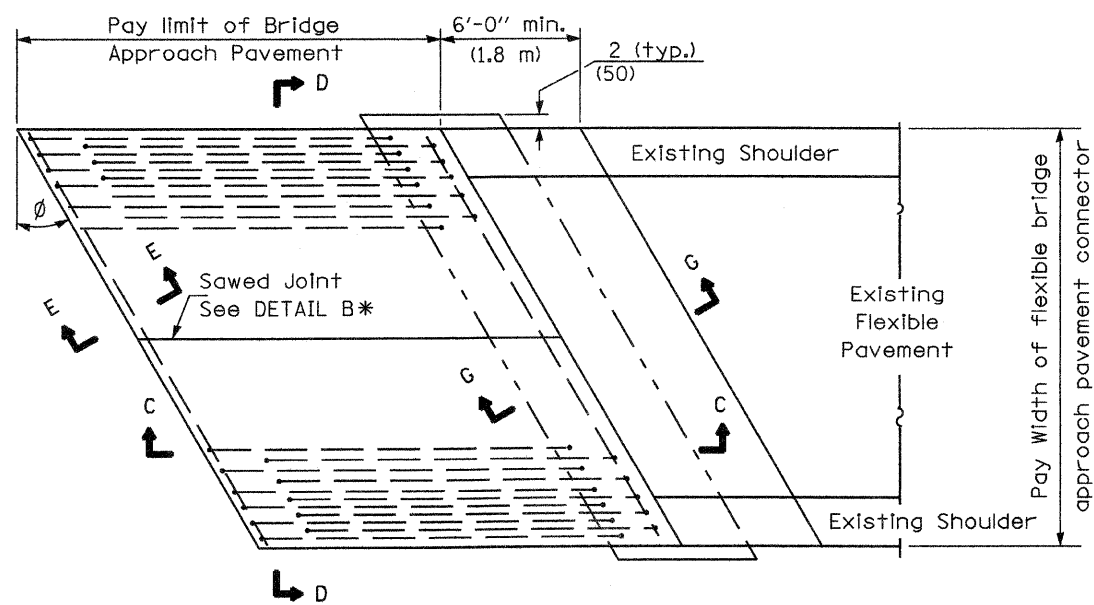
* Saw ζ or lane edge if poured two or more lane widths at a time.
** Omit Reinforcement, tie bars and Long. sawed Jt. for Flexible Pavement.

DATE	REVISIONS
1-1-08	Switched units to English (metric). Moved rebar epoxy coat note to Standard Spec.
1-1-04	Rev. size of Trans. Exp. Jt. and soft converted metric reinf.

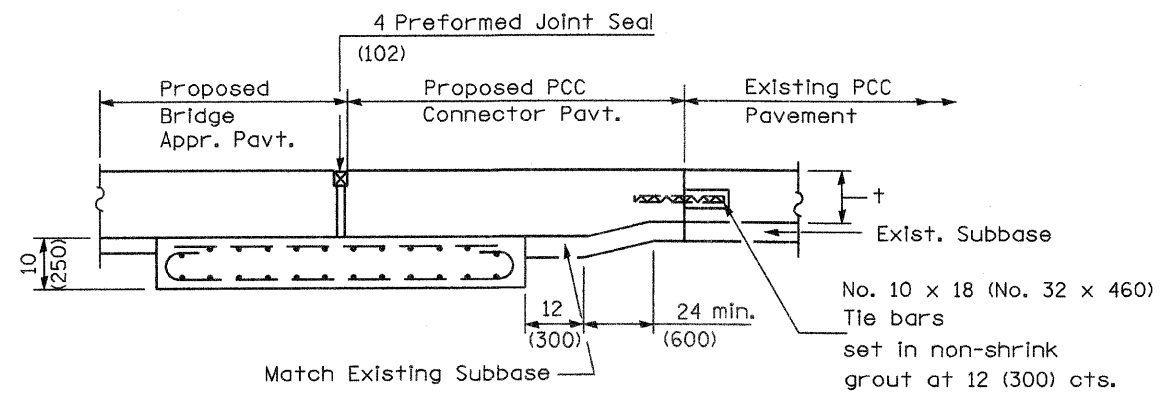
BRIDGE APPROACH PAVEMENT			
(Sheet 1 of 4)			
CONTRACT NO.	COUNTY	TOTAL SHEETS	SHEET NO.
94437	JASPER	546	258A



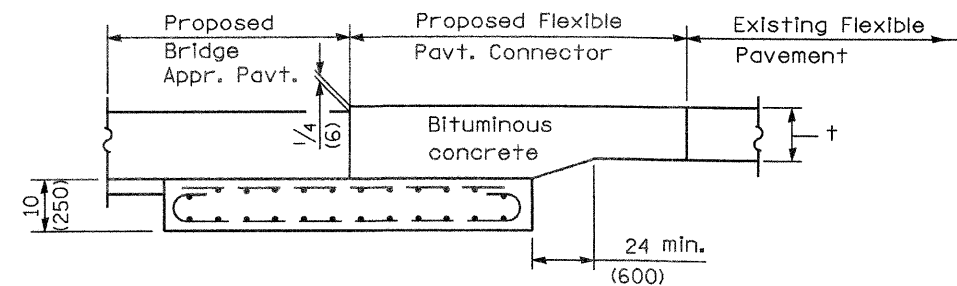
BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)



BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)



SECTION G-G - RIGID PAVEMENT



SECTION G-G - FLEXIBLE PAVEMENT

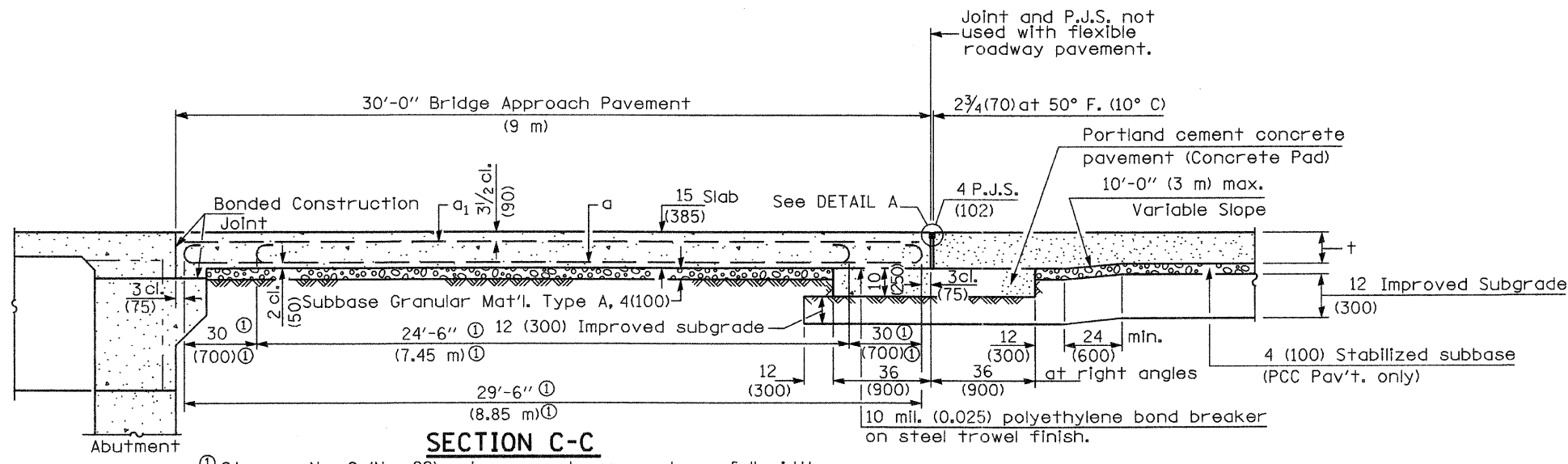
Illinois Department of Transportation
 APPROVED January 1, 2008
Ralph E. Anderson
 ENGINEER OF BRIDGES AND STRUCTURES
 APPROVED January 1, 2008
Ken E. Han
 ENGINEER OF DESIGN AND ENVIRONMENT

BRIDGE APPROACH PAVEMENT

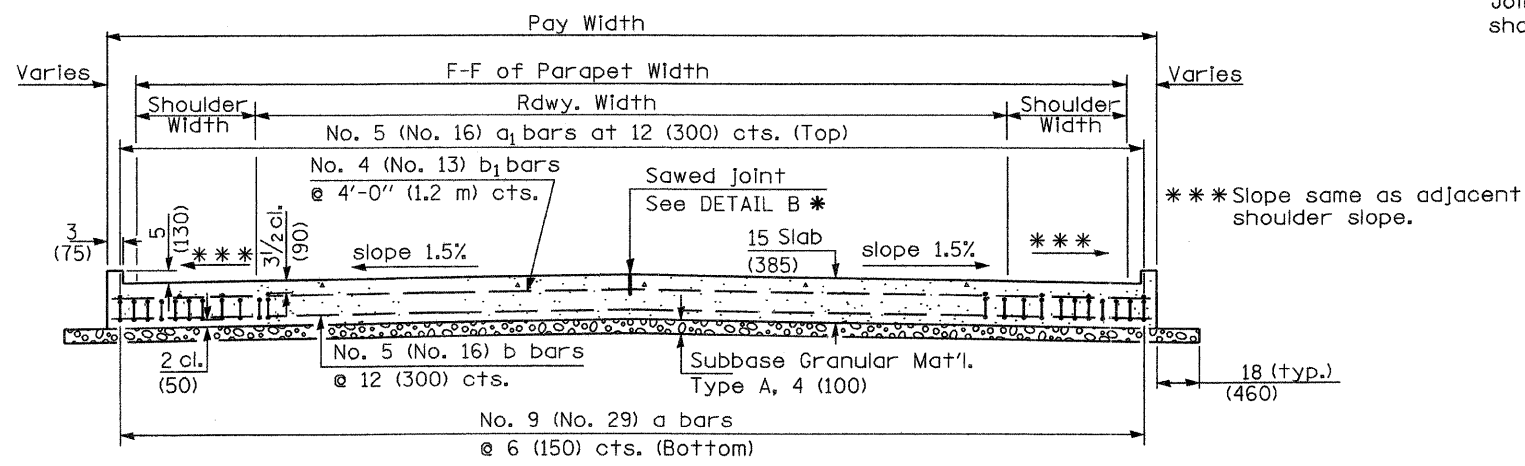
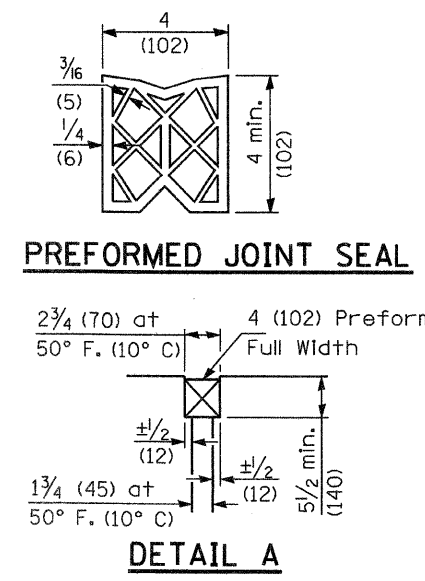
(Sheet 2 of 4)

CONTRACT NO.	COUNTY	TOTAL SHEETS	SHEET NO.
94437	JASPER	546	258B

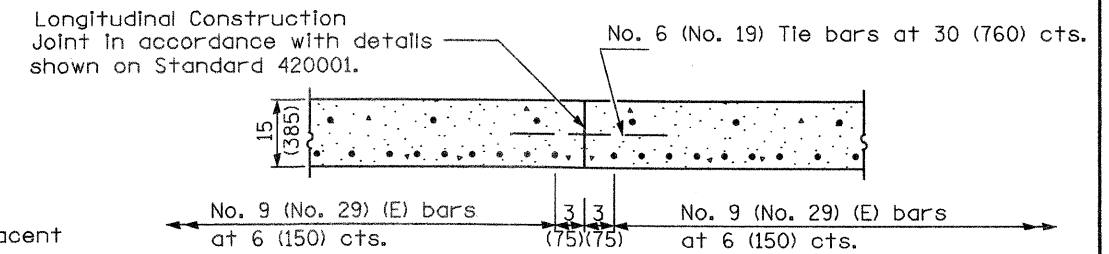
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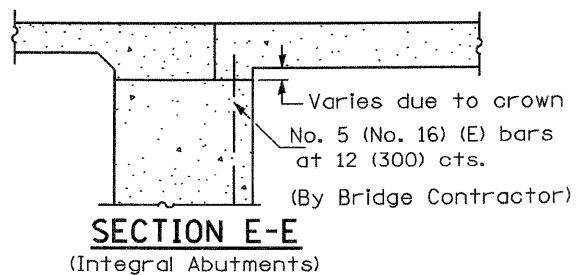
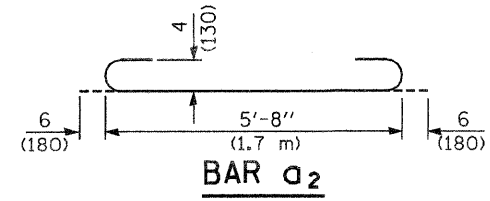
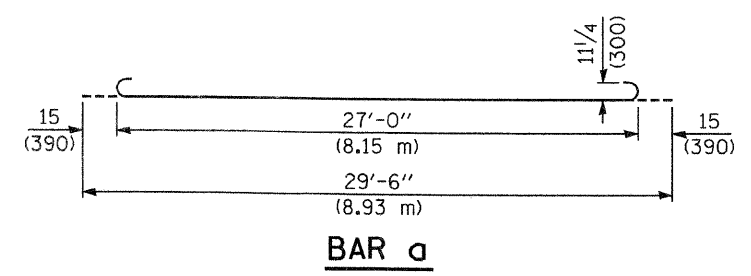
① Stagger No. 9 (No. 29) a bars as shown on plan - full width



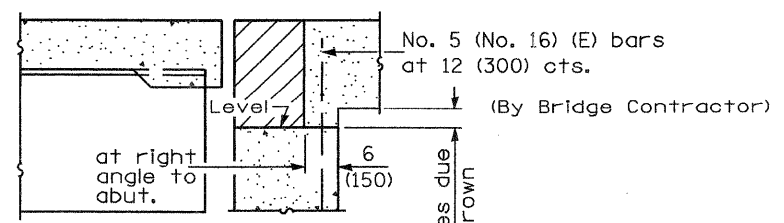
SECTION D-D
(See Plan for Dimensions not shown)



OPTIONAL LONGITUDINAL CONSTRUCTION JOINT
As approved by the Engineer, the Contractor may elect to reduce the widths of pour by use of the Optional Longitudinal Construction Joint shown. Joints shall be located at the edge of a traffic lane.



SECTION E-E
(Integral Abutments)



SECTION E-E
(Jointed Abutments)

DESIGN STRESSES
fy = 60,000 p.s.i. (400 MPa)
f'c = 3,500 p.s.i. (24 MPa)
n = 8.5

BRIDGE APPROACH PAVEMENT			
(Sheet 3 of 4)			
CONTRACT NO.	COUNTY	TOTAL SHEETS	SHEET NO.
94437	JASPER	546	258C

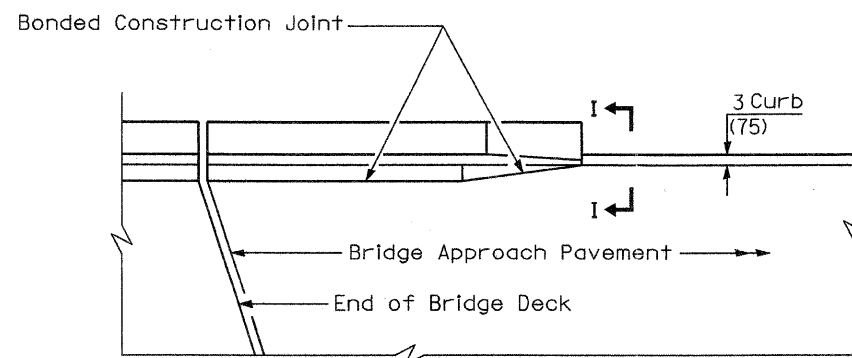
Illinois Department of Transportation

APPROVED January 1, 2008
Ralph E. Anderson
 ENGINEER OF BRIDGES AND STRUCTURES

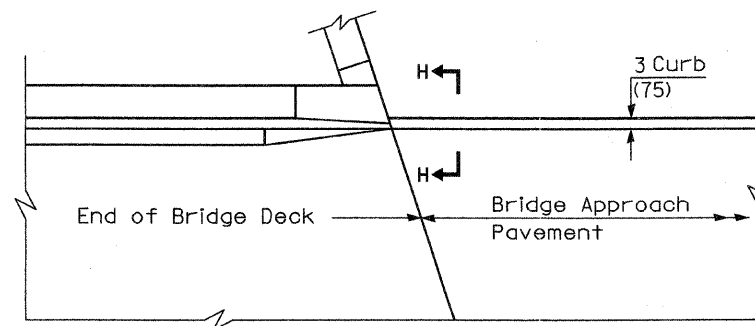
APPROVED January 1, 2008
Ken E. Han
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-07

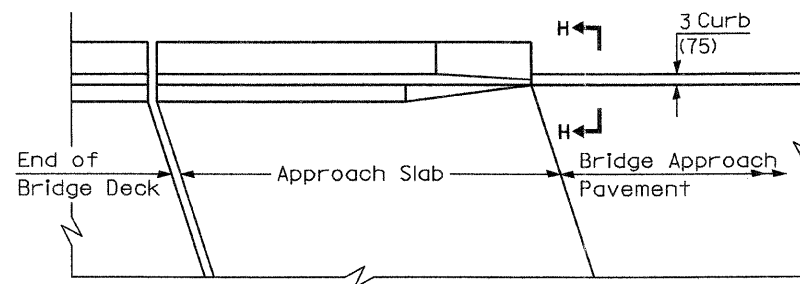
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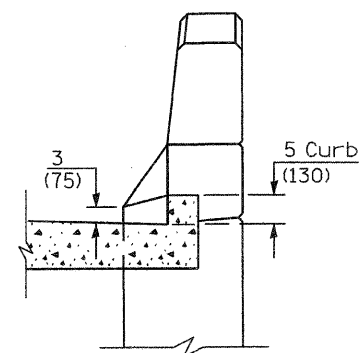
**PARAPET TO CURB TRANSITION
PILE BENT ABUTMENT**



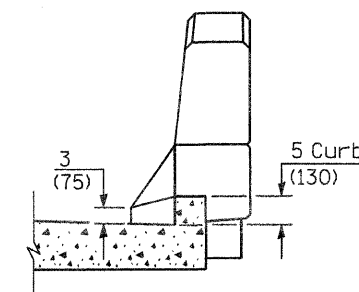
**PARAPET TO CURB TRANSITION
INTEGRAL ABUTMENT**



**PARAPET TO CURB TRANSITION
VAULTED ABUTMENT**



SECTION I - I



SECTION H - H

Illinois Department of Transportation
 APPROVED January 1, 2008
Ralph E. Anderson
 ENGINEER OF BRIDGES AND STRUCTURES
 APPROVED January 1, 2008
Ken E. Han
 ENGINEER OF DESIGN AND ENVIRONMENT
 ISSUED 1-1-97

BRIDGE APPROACH PAVEMENT			
(Sheet 4 of 4)			
CONTRACT NO.	COUNTY	TOTAL SHEETS	SHEET NO.
94437	JASPER	546	258D

Bench Mark: B.M. #10. Sta. 908+19, 102' Rt. Survey Monument elevation 577.16

Existing Structure: S.N. 040-2003 built in 1983 as F.A. Route 95, Section 6BR-4. Existing structure is an 8'-0" x 3'-0" double barrel cast-in-place reinforced concrete box culvert 50'-0" out to out headwalls. The existing culvert is to be extended in-kind to 73'-3" out to out headwalls.

No Salvage.

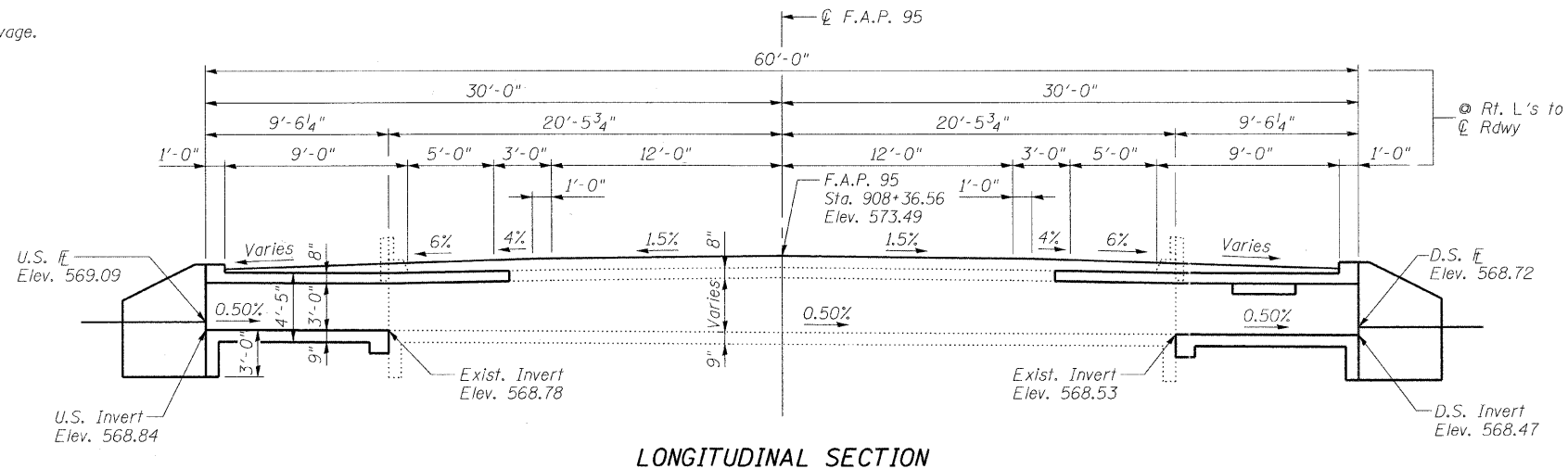
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
FAP 95	6RS-2	JASPER	546	259	5 SHEETS
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

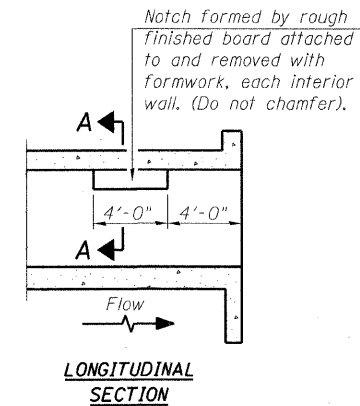
Contract No. 94437

GENERAL NOTES

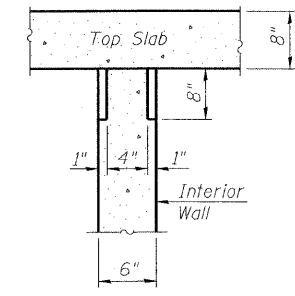
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments 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.
All Construction joints shall be bonded.
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.



LONGITUDINAL SECTION



LONGITUDINAL SECTION



SECTION A-A

**PHOEBE NESTING
SITE DETAILS**
(Downstream End Only)

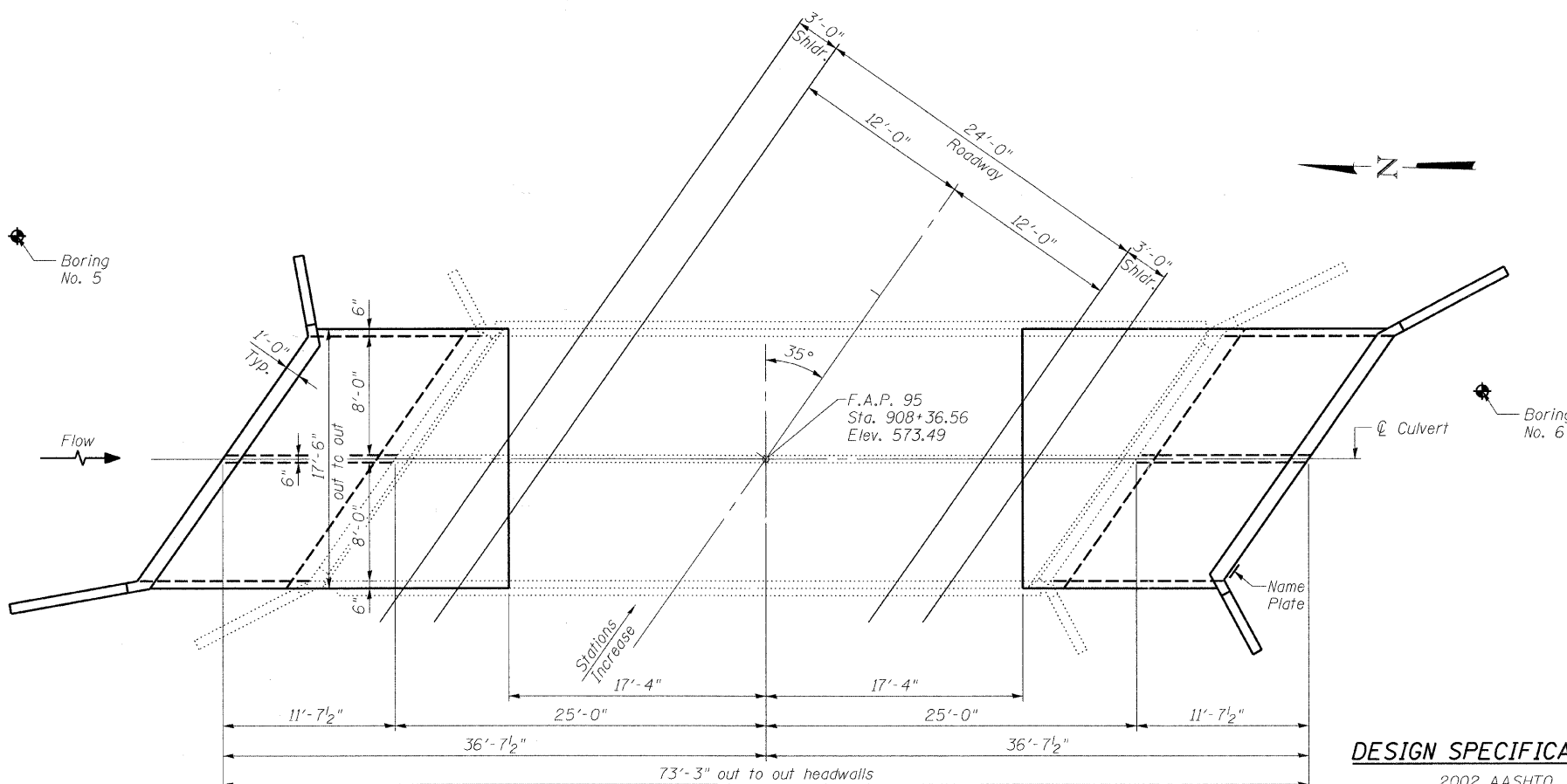
STATION 908+36.56
RE-BUILT 20... BY
STATE OF ILLINOIS
F.A.P. RTE. 95 SEC. 6RS-2
LOADING HS20
STR. NO. 040-2003

NAME PLATE

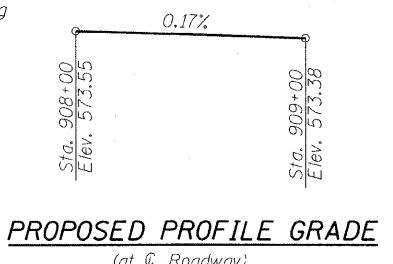
See Std. 515001
Existing name plate shall be cleaned and relocated adjacent to new name plate. Cost included with "Name Plates".

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	8.4
Expansion Bolts 3/4 inch	Each	60
Concrete Box Culverts	Cu. Yd.	40.8
Reinforcement Bars	Pound	12,110
Name Plates	Each	1



PLAN



PROPOSED PROFILE GRADE
(at Roadway)

DESIGN SPECIFICATIONS

2002 AASHTO

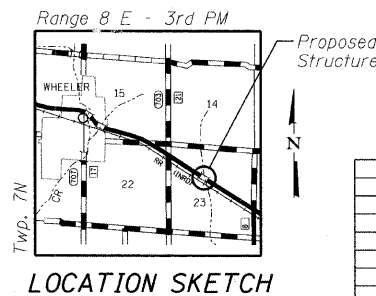
LOADING HS20-44

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

DESIGN STRESSES

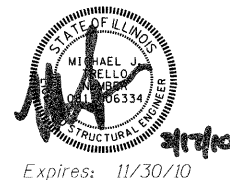
FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)



LOCATION SKETCH

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Anderson (SE)
ENGINEER OF BRIDGES AND STRUCTURES



Expires: 11/30/10

ILLINOIS DEPARTMENT OF TRANSPORTATION

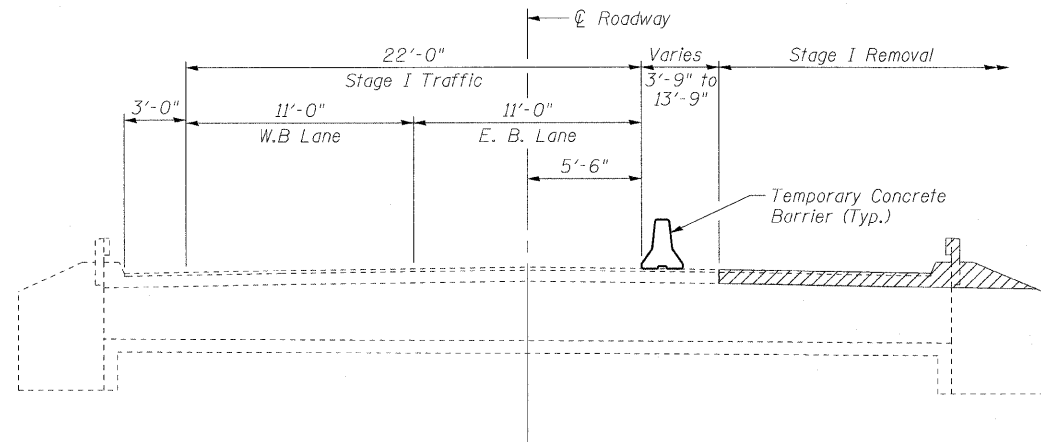
GENERAL PLAN

IL RTE 33 OVER BRANCH LAWS CREEK
FAP RTE 95 - SECTION 6RS-2
JASPER COUNTY
STATION 908+36.56
SN 040-2003

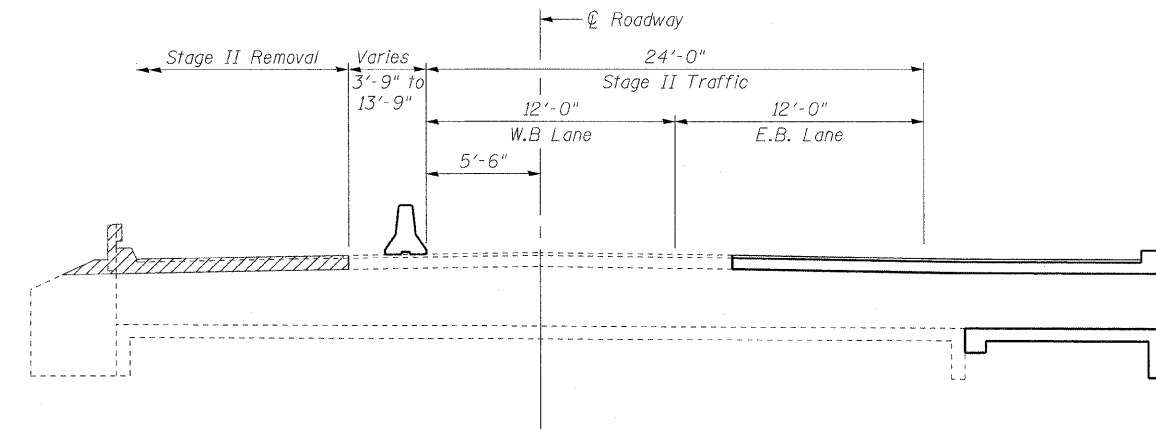
REVISIONS	NAME	DATE

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DATE: 5/19/04
DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS
COMPUTER FILE NO. SN040-2003.GPE
PROJECT 01256 2/26/10-FAV

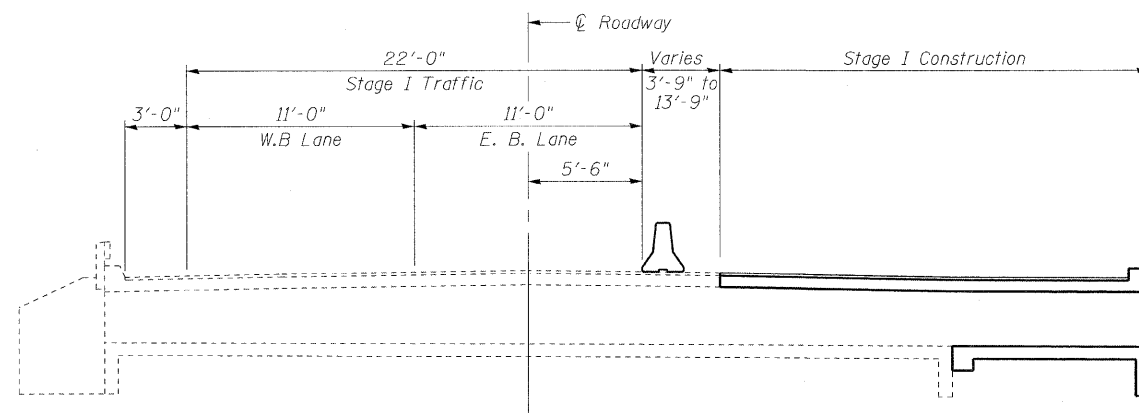
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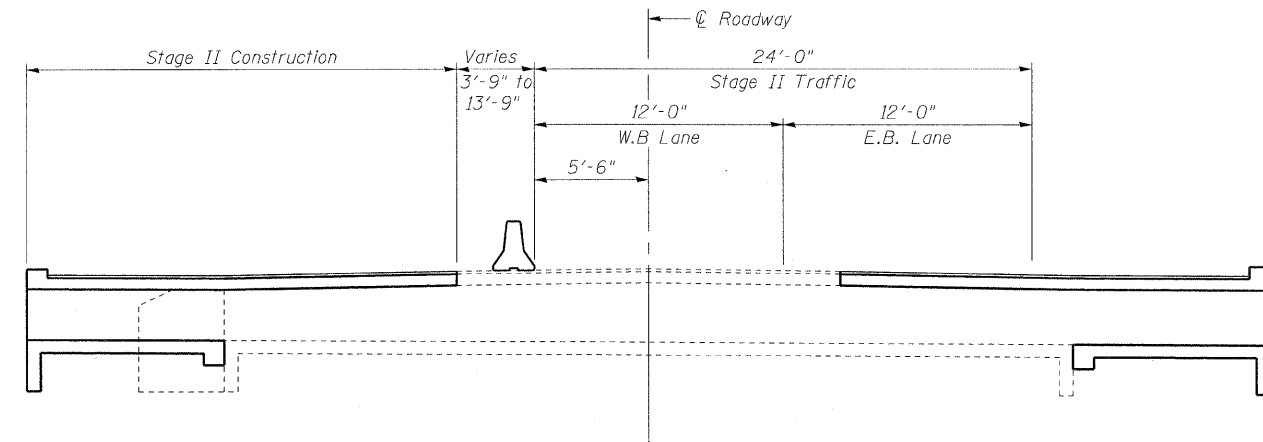
STAGE I REMOVAL



STAGE II REMOVAL



STAGE I CONSTRUCTION



STAGE II CONSTRUCTION

Notes:
 Hatched area indicates "Concrete Removal".
 All dimensions are at right angles to \varnothing Roadway, unless otherwise noted.
 All cross-sections are looking East.
 For quantity of Temporary Concrete Barrier, see Roadway plans.

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE CONSTRUCTION DETAILS

IL RTE 33 OVER BRANCH LAWS CREEK
 FAP RTE 95 - SECTION 6RS-2
 JASPER COUNTY
 STATION 908+36.56
 SN 040-2003

REVISIONS	
NAME	DATE

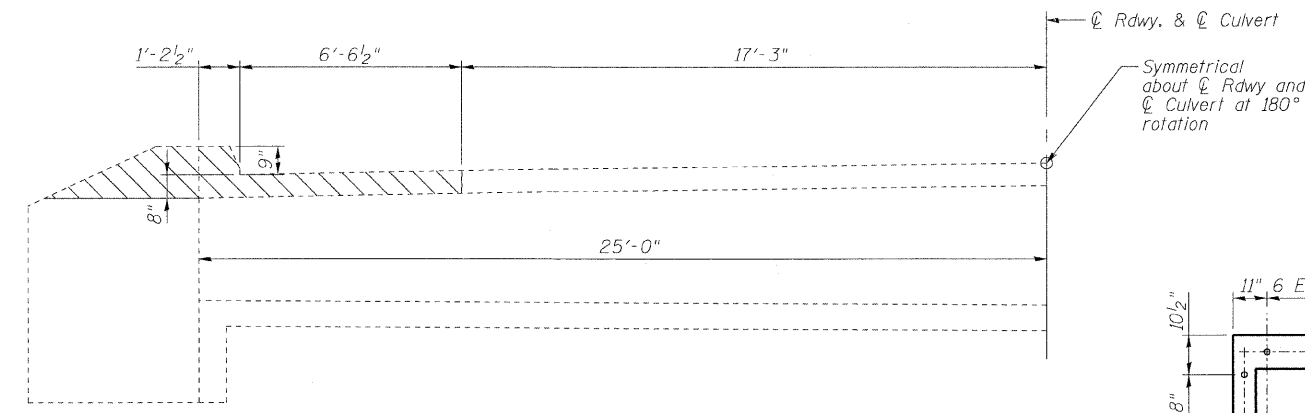
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 HORIZ. _____
 DATE: 12/17/04

DRAWN BY: LANDREY
 DESIGNED BY: SANFORD
 CHECKED BY: WATKINS

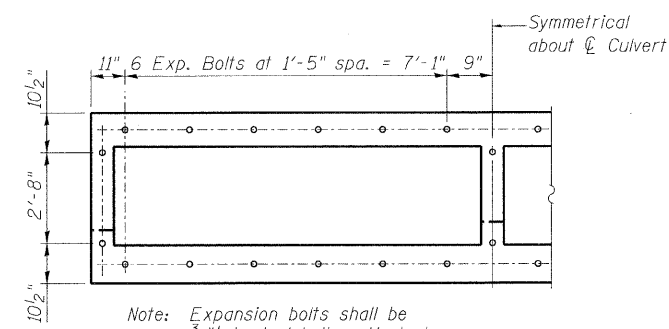
COMPUTER FILE NO.
 SN040-2003.STG

PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 CONSULTING ENGINEERS
 ARCHITECTS LANDSCAPE ARCHITECTS
 PROFESSIONAL DESIGNERS
 205 W. 8th St., Springfield, IL 62761
 217-782-8227 FAX 217-782-8228
 www.greenebro.com

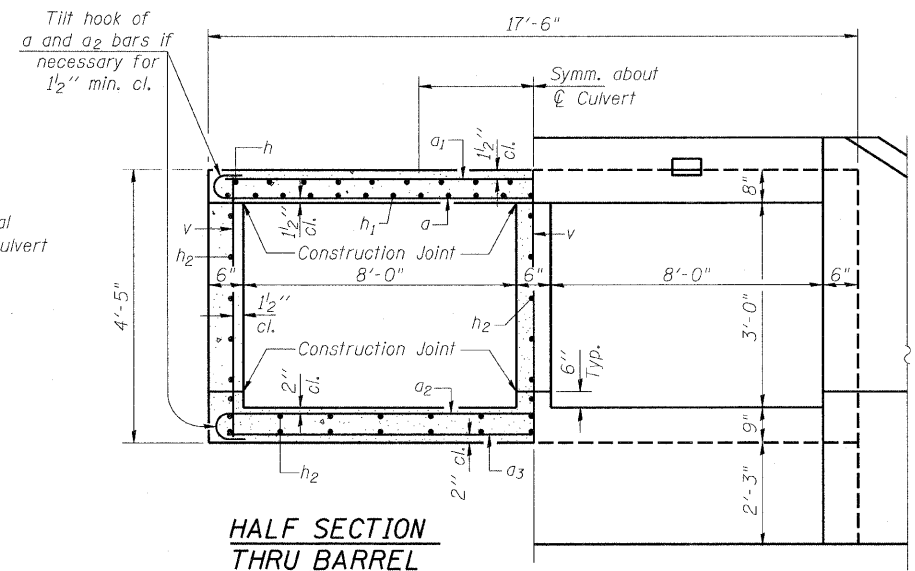


EXISTING PARTIAL LONG SECTION
(Dimensions are along C Culvert)



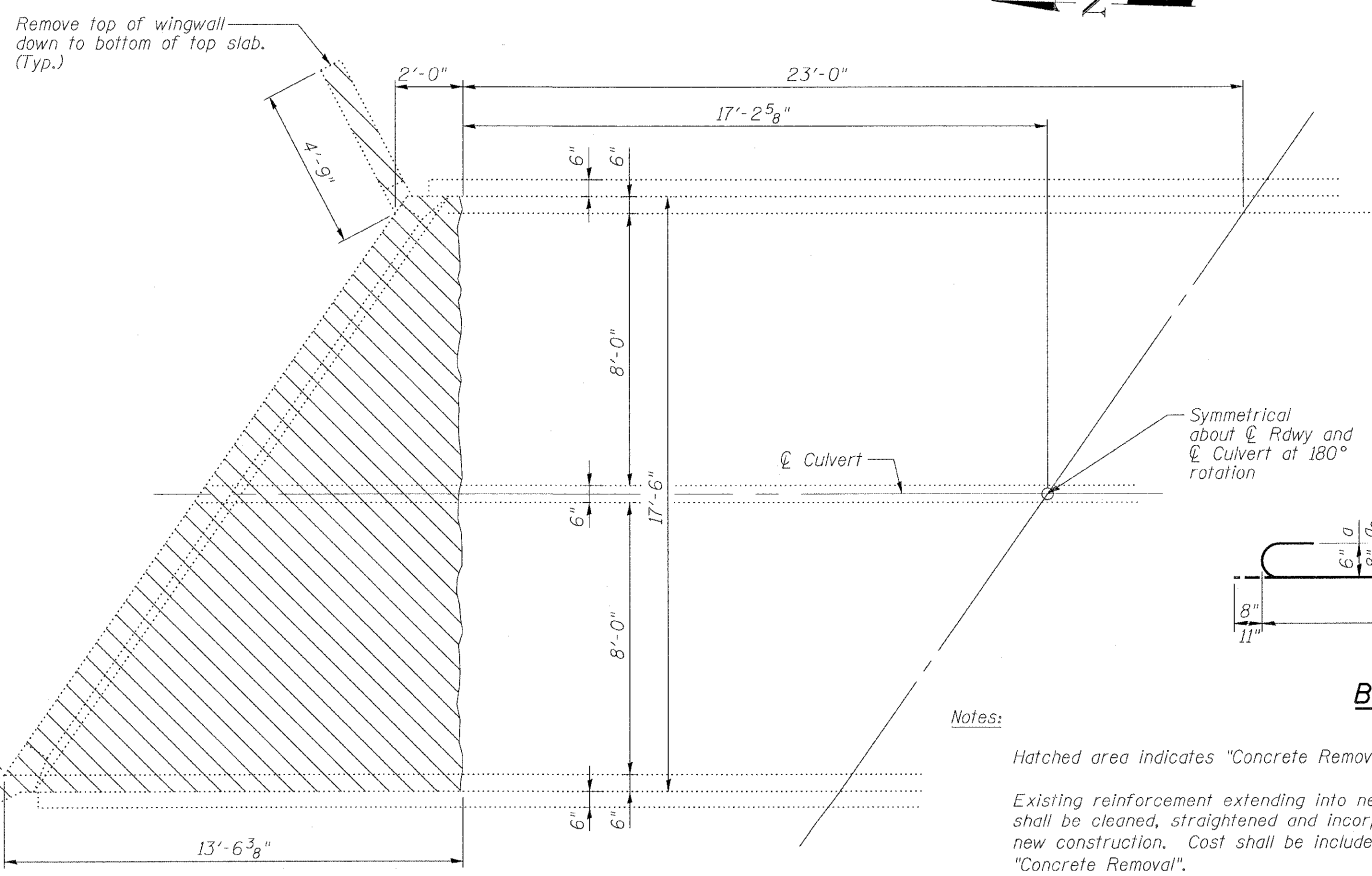
Note: Expansion bolts shall be 3/4" hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.

EXPANSION BOLT PLACEMENT DETAIL



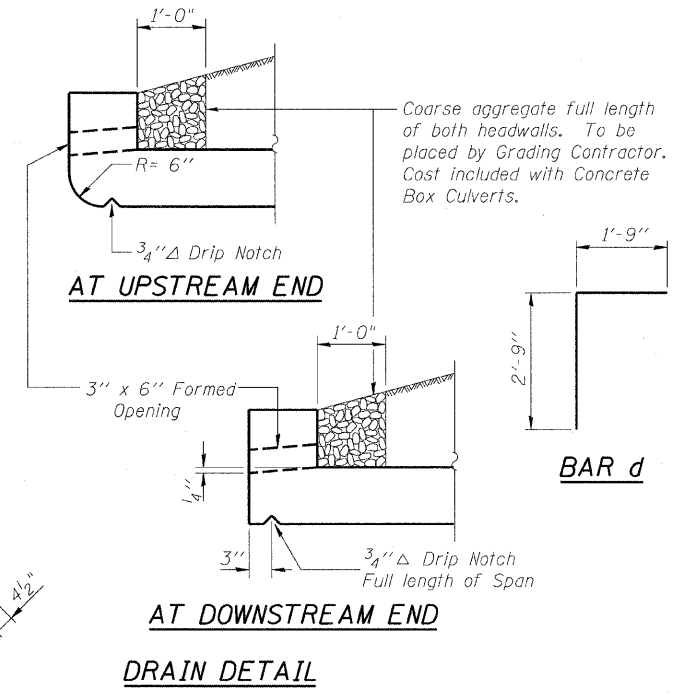
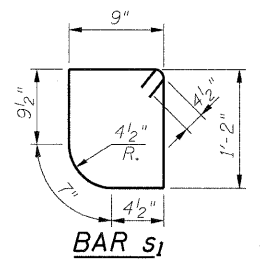
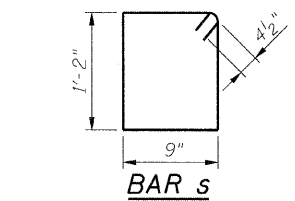
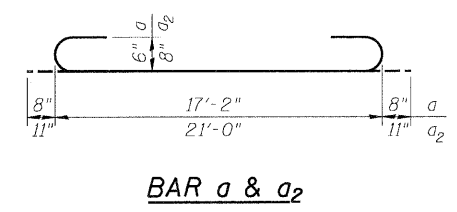
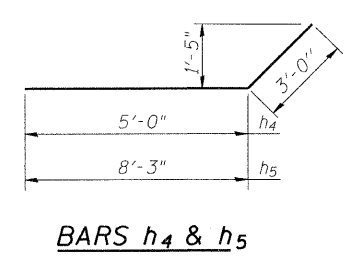
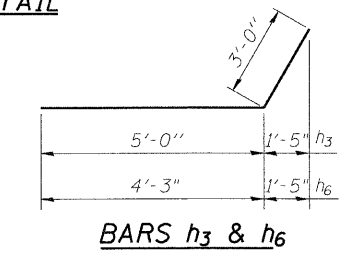
HALF SECTION THRU BARREL

HALF END ELEVATION



EXISTING PARTIAL PLAN SHOWING REMOVAL

Notes:
Hatched area indicates "Concrete Removal".
Existing reinforcement extending into new construction shall be cleaned, straightened and incorporated into the new construction. Cost shall be included with the cost of "Concrete Removal".
Existing reinforcement not extending into new construction shall be cut-off flush and covered with a 2" layer of cement grout. Cost shall be included with the cost of "Concrete Removal".



DRAIN DETAIL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CULVERT DETAILS
IL RTE 33 OVER BRANCH LAWS CREEK
FAP RTE 95 - SECTION GRS-2
JASPER COUNTY
STATION 908+36.56
SN 040-2003

SCALE: VERT. _____
HORIZ. _____
DATE: 5/19/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

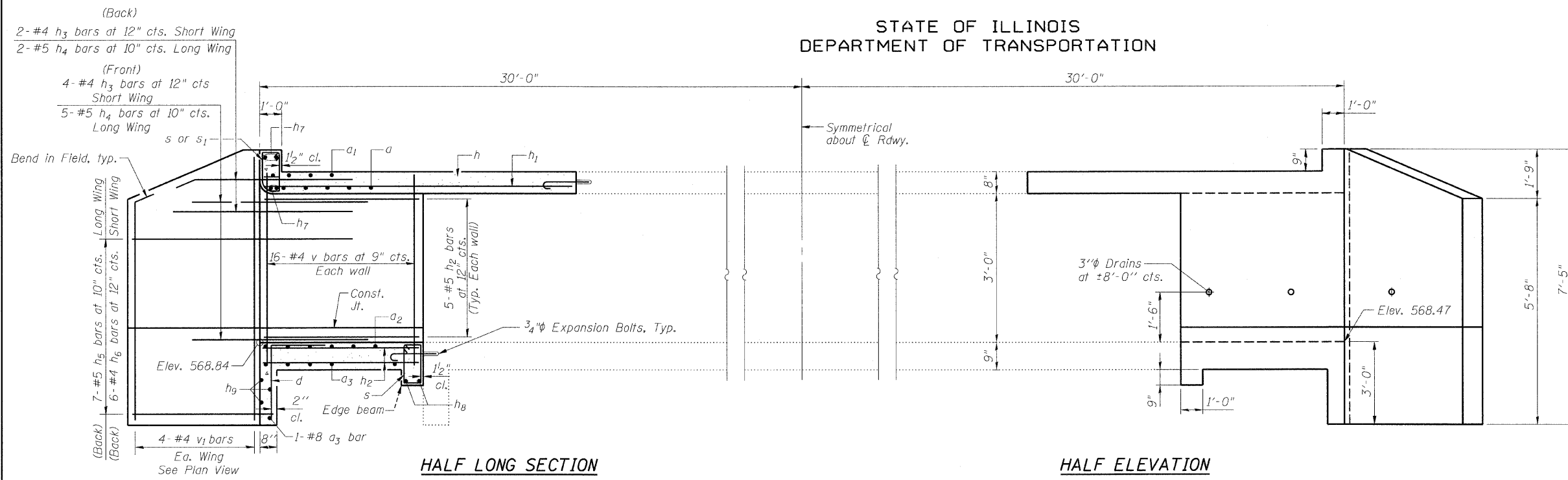
COMPUTER FILE NO. SN040-2003.REM
PROJECT 01256
2/26/10-FAV

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
AND ARCHITECTS
PROFESSIONAL DESIGN FIRM NO. 00078
SINCE 1924
1001 E. SPRINGFIELD AVENUE
SPRINGFIELD, ILLINOIS 62761
TEL: 217.265.1100 FAX: 217.265.1101
WWW.GREENE-AND-BRADFORD.COM

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET TOTAL
FAP 95	6RS-2	JASPER	546	262
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SHEET NO. 4
5 SHEETS
Contract No. 94437

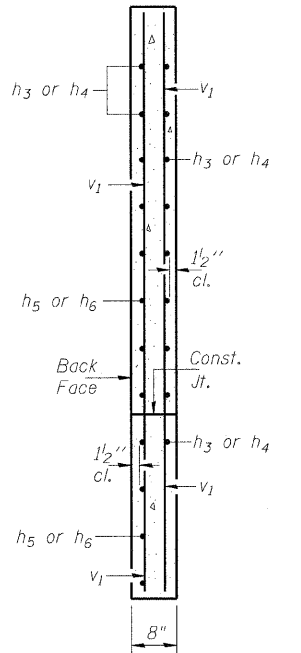


HALF LONG SECTION

Dimensions are at right angles to ϕ Roadway

HALF ELEVATION

Dimensions are at right angles to ϕ Roadway

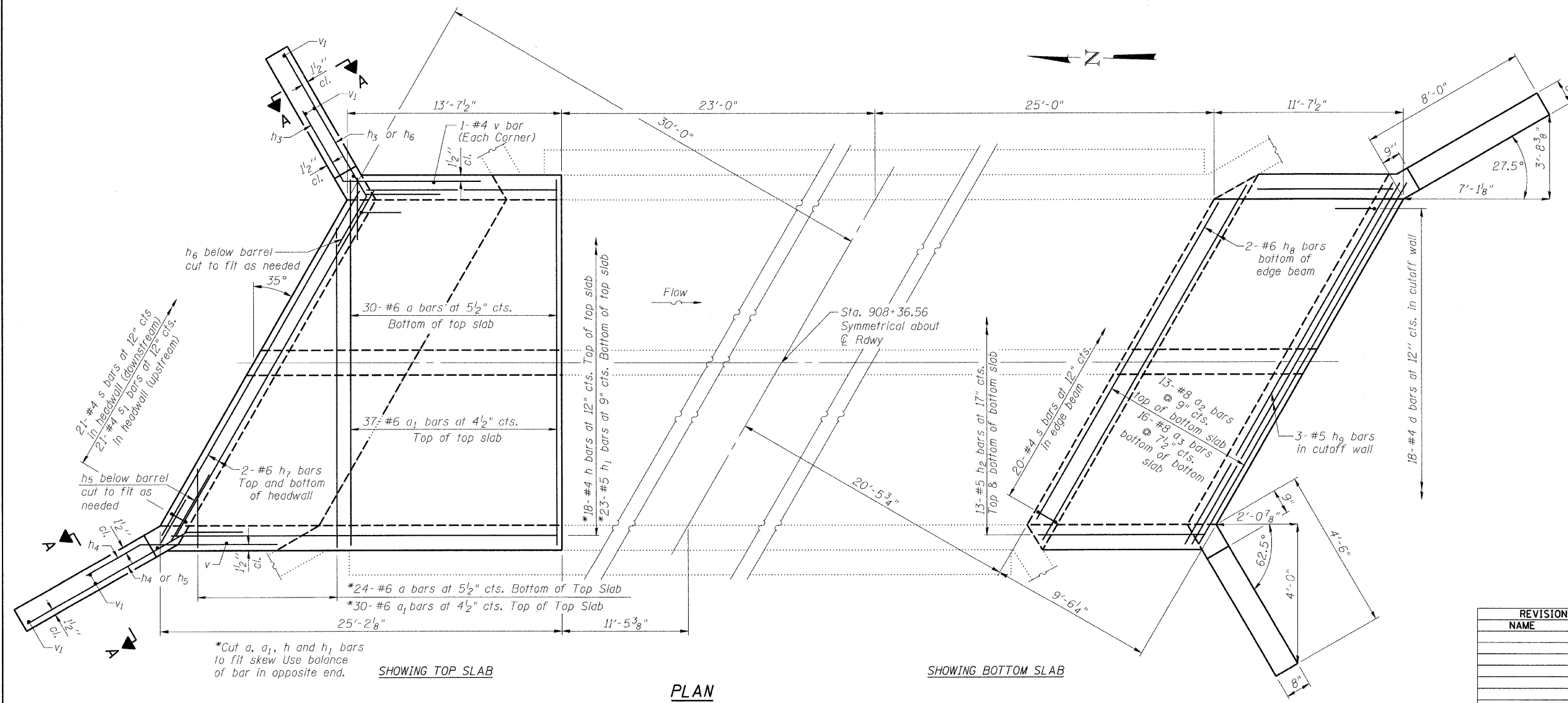


SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	84	#6	18'-6"	U
a1	104	#6	17'-3"	U
a2	26	#8	22'-10"	U
a3	34	#8	21'-0"	U
d	36	#4	4'-6"	L
h	18	#4	38'-3"	—
h1	23	#5	38'-3"	—
h2	52	#5	11'-3"	—
h3	12	#4	8'-0"	—
h4	14	#5	8'-0"	—
h5	14	#5	11'-3"	—
h6	12	#4	7'-3"	—
h7	8	#6	20'-11"	—
h8	4	#6	19'-10"	—
h9	6	#5	20'-3"	—
s	61	#4	4'-7"	□
s1	21	#4	4'-5"	□
v	100	#4	4'-0"	—
v1	16	#4	7'-2"	—
Concrete Box Culverts			Cu. Yd.	40.8
Reinforcement Bars			Pound	12,110

Bars indicated thus 12x4 - #5 etc. indicates 12 lines of bars with 4 lengths per line.



SHOWING TOP SLAB

SHOWING BOTTOM SLAB

PLAN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS

IL RTE 33 OVER BRANCH LAWS CREEK
FAP RTE 95 - SECTION 6RS-2
JASPER COUNTY
STATION 908+36.56
SN 040-2003

SCALE: VERT. 1/25/05
HORIZ. 1/25/05
DATE: 1/25/05
DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS
COMPUTER FILE NO. SNO40-2003.DET
PROJECT 01256
2/26/10-FAV

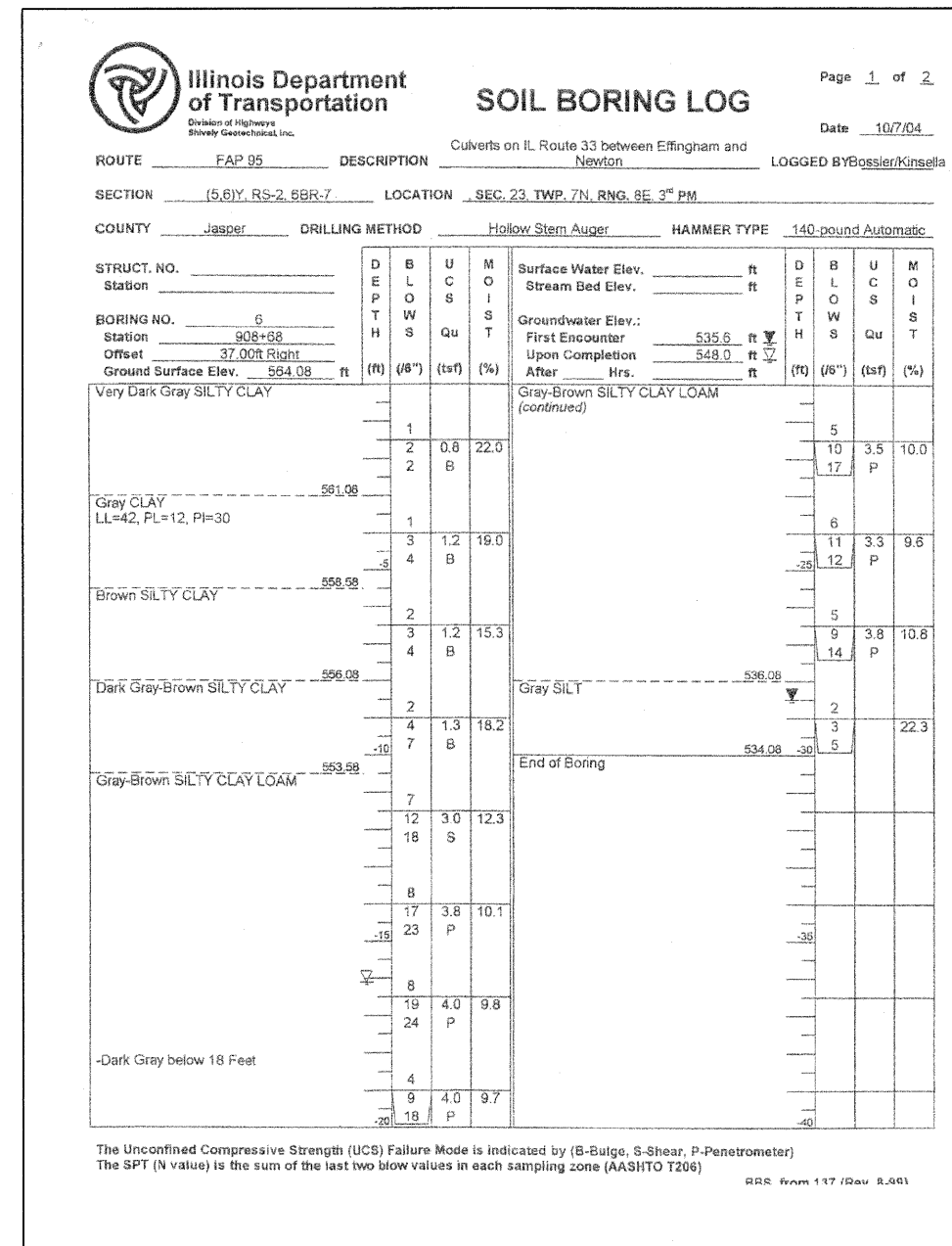
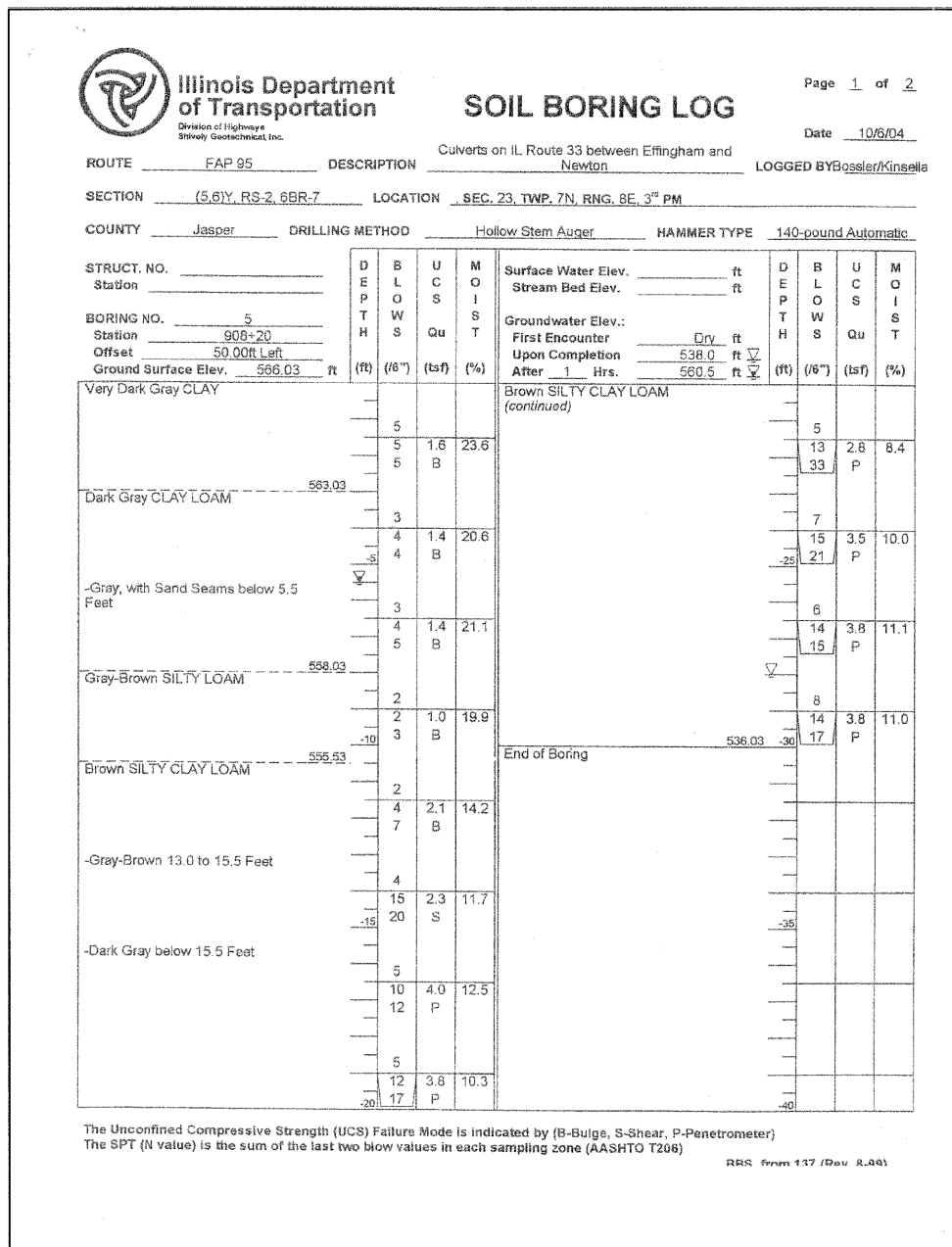


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PLOT DATE = 3/17/2010
PLOT TIME = 5:25:24 PM
OPERATOR = Franky

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 5 5 SHEETS
FAP 95	6RS-2	JASPER	546	263	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

Contract No. 94437



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PLOT DATE = 3/17/2010
PLOT TIME = 5:25:45 PM
OPERATOR = TFCNKV

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS

IL RTE 33 OVER BRANCH LAWS CREEK
FAP RTE 95 - SECTION 6RS-2
JASPER COUNTY
STATION 908+36.56
SN 040-2003

SCALE: VERT. _____
HORIZ. _____
DATE: 12/8/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

COMPUTER FILE NO.
SN040-2003_BOR

PROJECT 01256
2/26/10-FAV

GREENE & BRADFORD, INC.
OF SPRINGFIELD
REGISTERED PROFESSIONAL ENGINEERS
ILLINOIS LICENSE NO. 0218
PROFESSIONAL ENGINEERING CORPORATION
2011-10-04, 2011-10-04, 2011-10-04

Bench Mark: B.M. #10. Sta. 908+19, 102' Rt. Survey Monument elevation 577.16

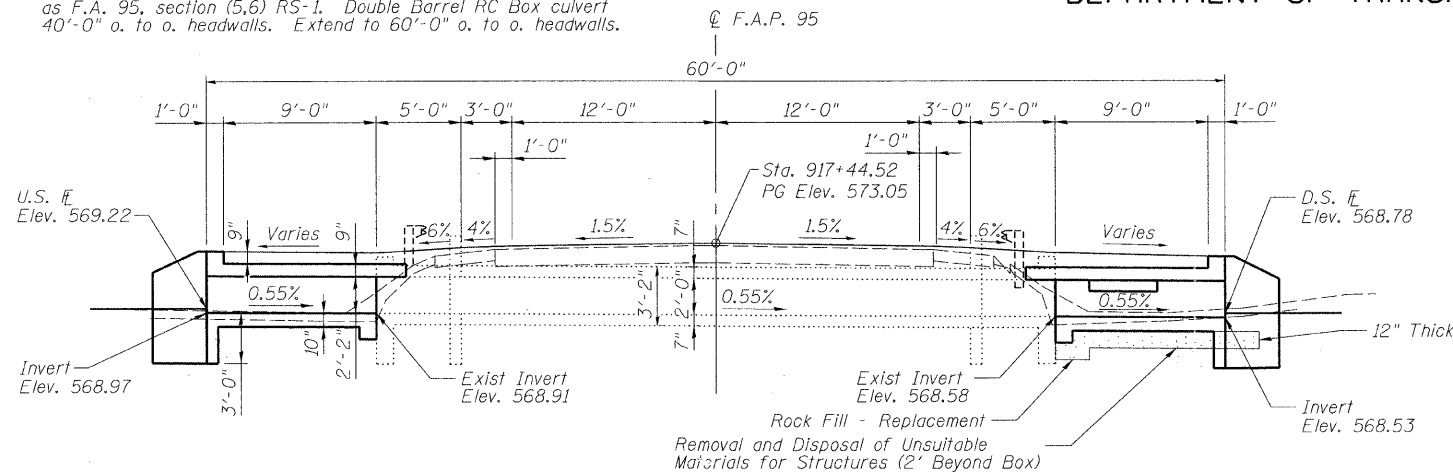
Existing Structure: Built in 1925 as S.B.I. Route 33, section 6. Extended in 1990 as F.A. 95, section (5,6) RS-1. Double Barrel RC Box culvert 40'-0" o. to o. headwalls. Extend to 60'-0" o. to o. headwalls.

No Salvage.

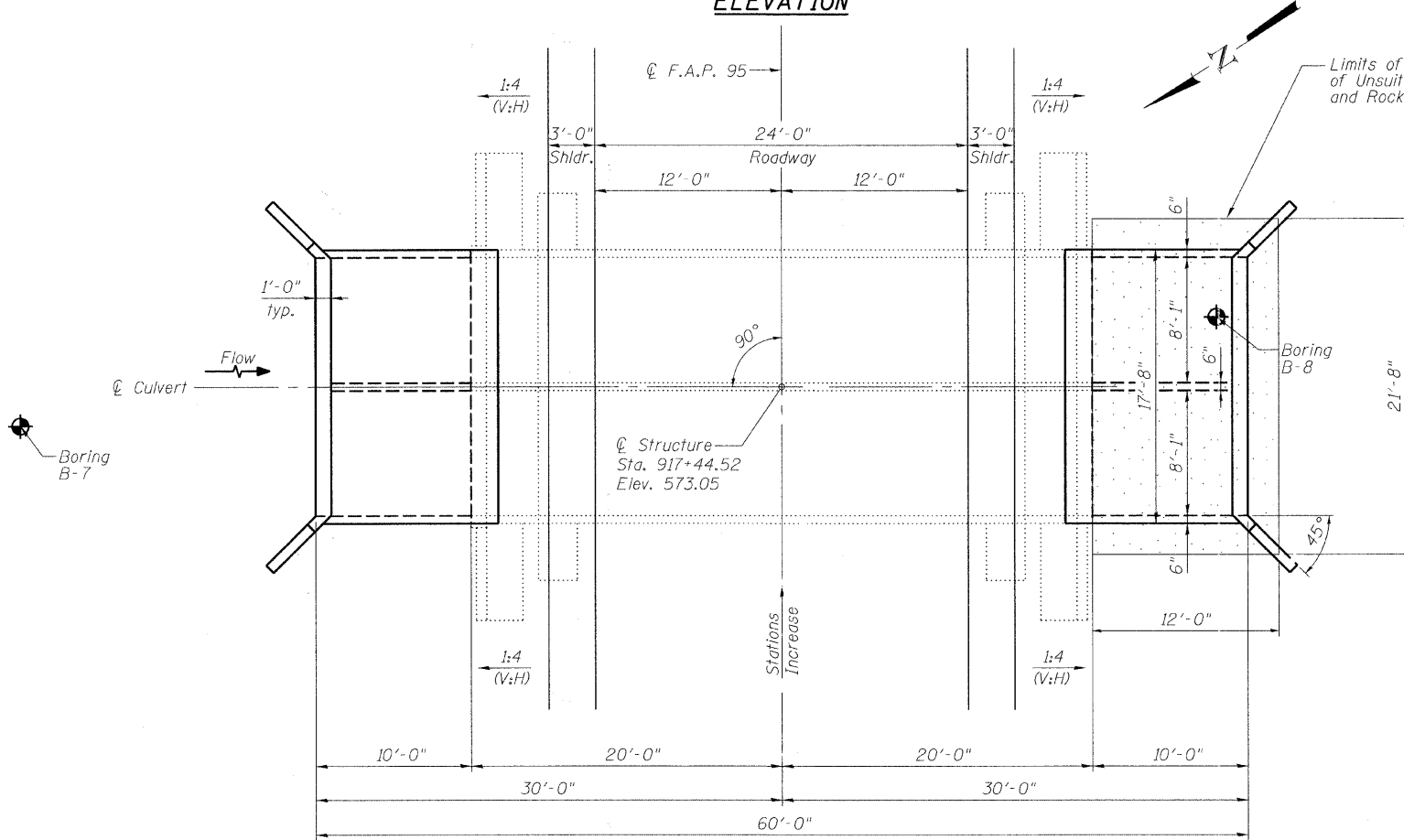
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
FAP 95	6RS-2	JASPER	546	264	4 SHEETS
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

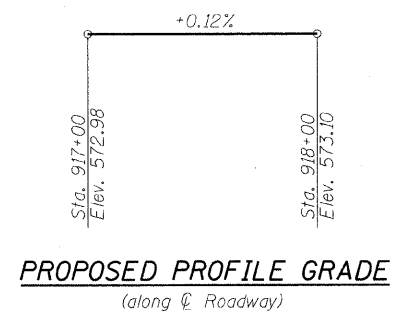
Contract No. 94437



ELEVATION

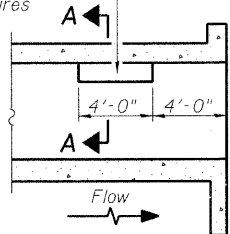


PLAN

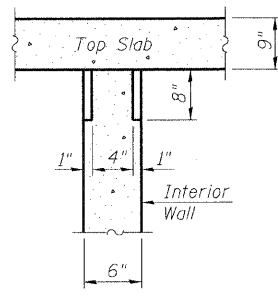


PROPOSED PROFILE GRADE
(along C. Roadway)

Notch formed by rough finished board attached to and removed with formwork, each interior wall. (Do not chamfer).



LONGITUDINAL SECTION



SECTION A-A

**PHOEBE NESTING
SITE DETAILS**
(Downstream End Only)

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.

Plan dimensions and details relative to existing plans 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.

All Construction joints shall be bonded.
For traffic control, see Roadway Plans.

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.

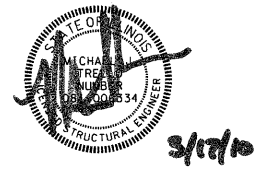
Removal and disposal of unsuitable materials for Structures and Rockfill-Replacement are estimated volumes only and final limits will be determined in the field during excavation at all culvert/culvert extensions, by the engineer.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu Yd	3.3
Expansion Bolts 3/4 inch	Each	60
Concrete Box Culverts	Cu Yd	31.4
Reinforcement Bars	Pounds	7230
Rock Fill - Replacement	Ton	20
Removal and Disposal of Unsuitable Materials for Structures	Cu Yd	10

APPROVED
FOR STRUCTURAL ADEQUACY ONLY

Ralph E. Anderson (TS)
ENGINEER OF BRIDGES AND STRUCTURES



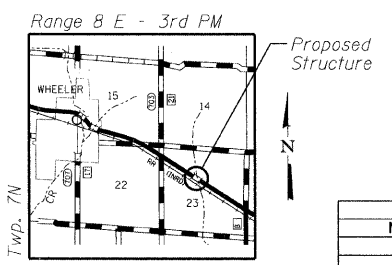
Expires: 11/30/10

DESIGN SPECIFICATIONS

2002 AASHTO
LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS
f_c = 3,500 psi
f_y = 60,000 psi (reinforcement)



LOCATION SKETCH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN
IL RTE 33 OVER DRAINAGE DITCH
FAP 95
SECTION 6RS-2
STA. 917+44.52
JASPER COUNTY
S.N. 040-8300

SCALE: VERT. 1"=10'
HORIZ. 1"=40'
DATE: 5/19/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

COMPUTER FILE NO. SN040-8300
PROJECT 01256
2/26/10-FAV

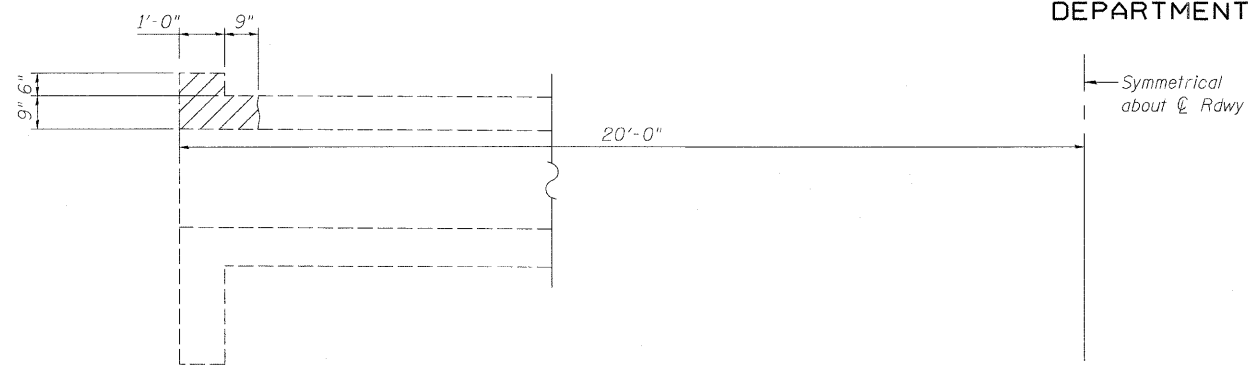
GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
1001 PEBBLE CREEK DRIVE, SUITE 100
SPRINGFIELD, ILLINOIS 62761
TEL: 217-223-7777 FAX: 217-223-7778

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

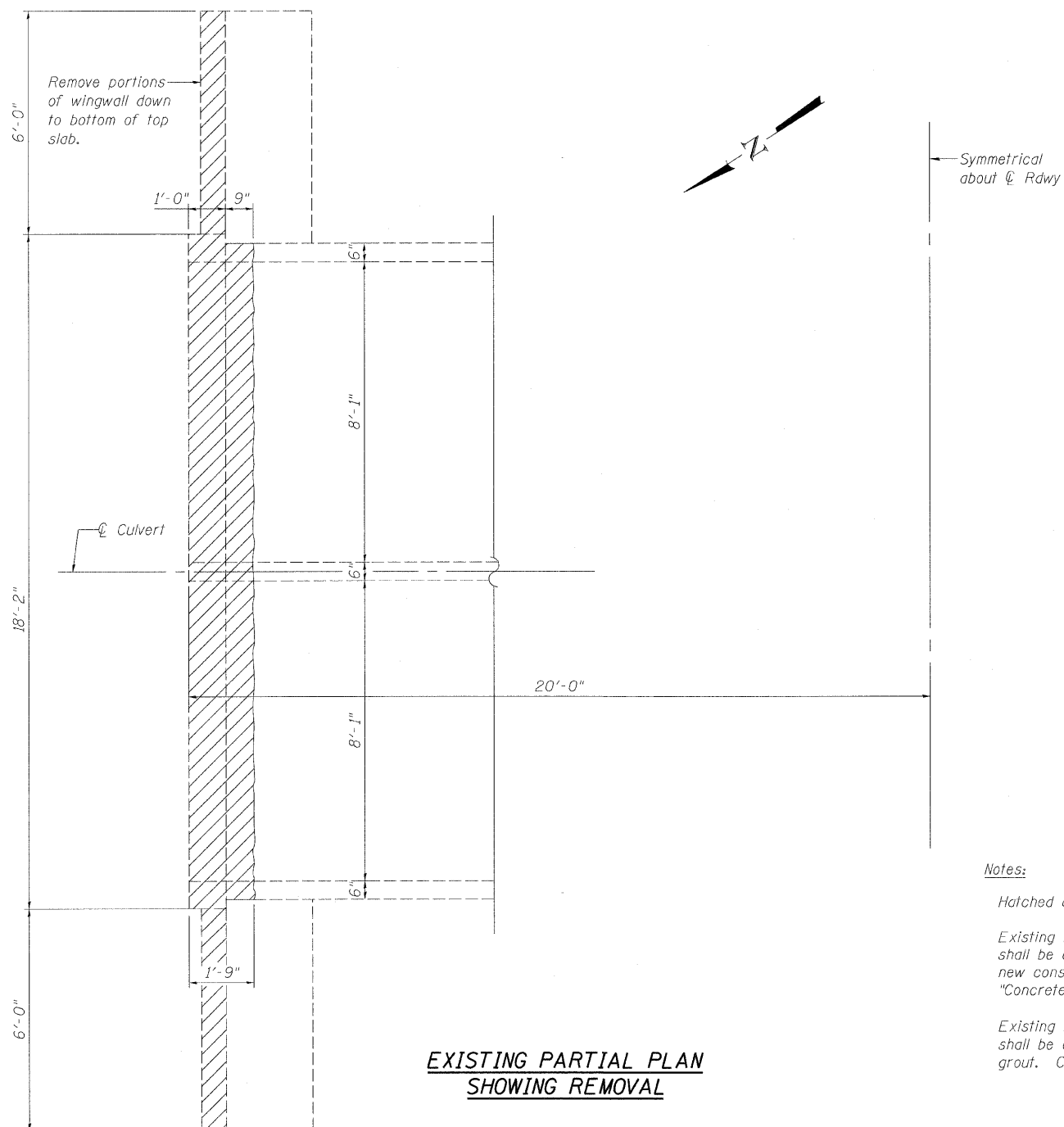
ROUTE NO.	SECTION	COUNTY	DATE	SHEET NO.
FAP 95	6RS-2	JASPER	5/19/04	265
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 2
4 SHEETS

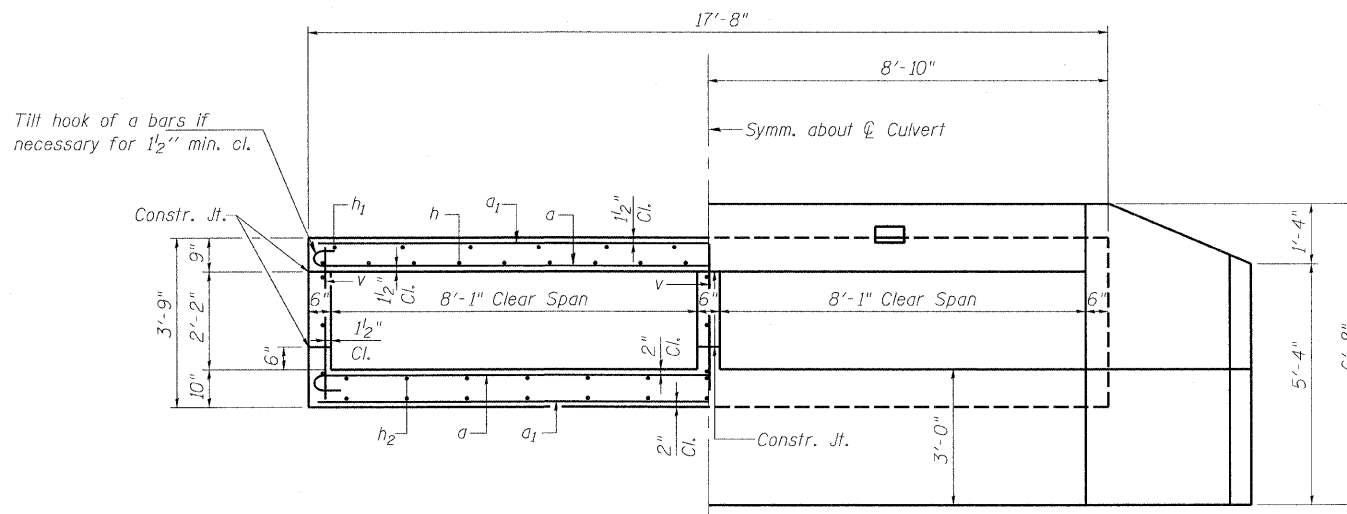
Contract No. 94437



EXISTING PARTIAL LONG SECTION

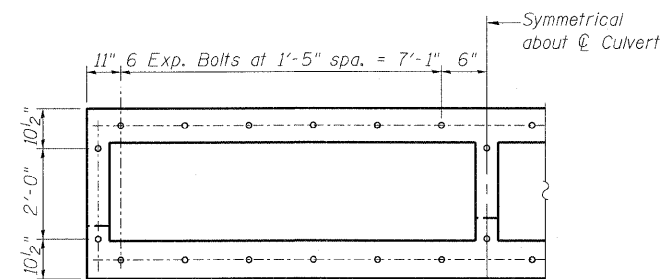


EXISTING PARTIAL PLAN
SHOWING REMOVAL



HALF SECTION THRU BARREL

HALF END ELEVATION



EXPANSION BOLT
PLACEMENT DETAIL

Note: Expansion bolts shall be 3/4" hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete.

Notes:

Hatched area indicates "Concrete Removal".

Existing reinforcement extending into new construction shall be cleaned, straightened and incorporated into the new construction. Cost shall be included with the cost of "Concrete Removal".

Existing reinforcement not extending into new construction shall be cut-off flush and covered with a 2" layer of cement grout. Cost shall be included with the cost of "Concrete Removal".

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CULVERT DETAILS

IL RTE 33 OVER DRAINAGE DITCH
FAP 95
SECTION 6RS-2
STA. 917+44.52
JASPER COUNTY
S.N. 040-8300

SCALE: VERT.
HORIZ.
DATE: 5/19/04

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
REGISTERED PROFESSIONAL ENGINEERS
PROFESSIONAL & STRUCTURAL ENGINEERING CORPORATION
ONE PRINCIPAL OFFICE BUILDING EAST ST. SPRINGFIELD, ILL. 62761-1000

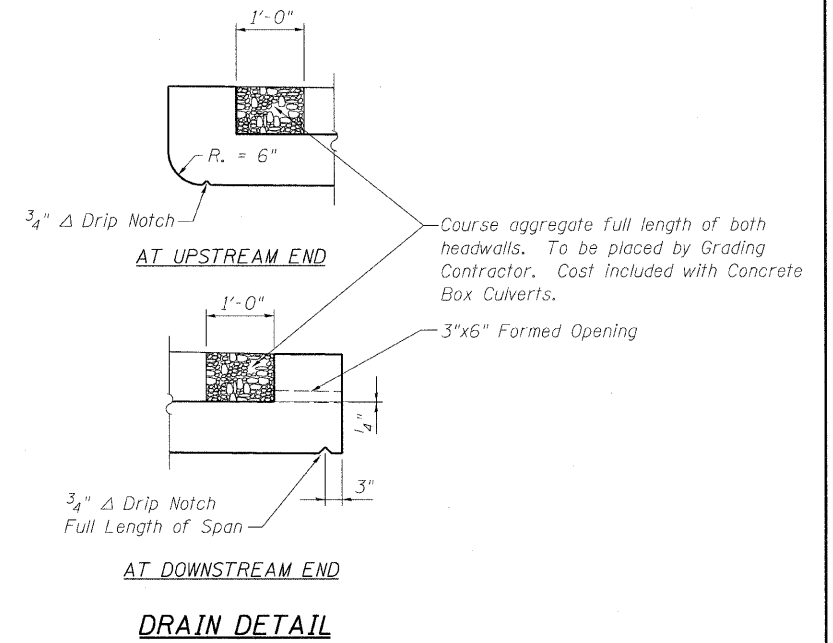
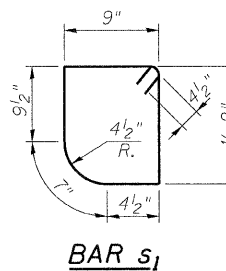
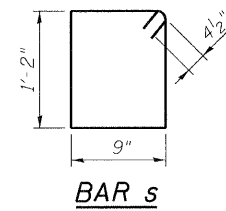
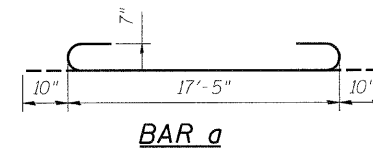
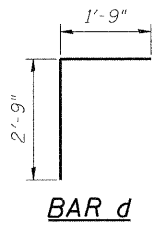
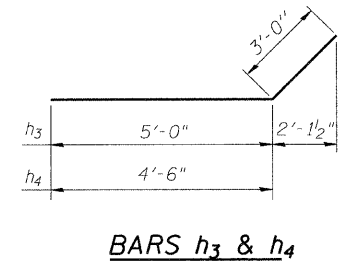
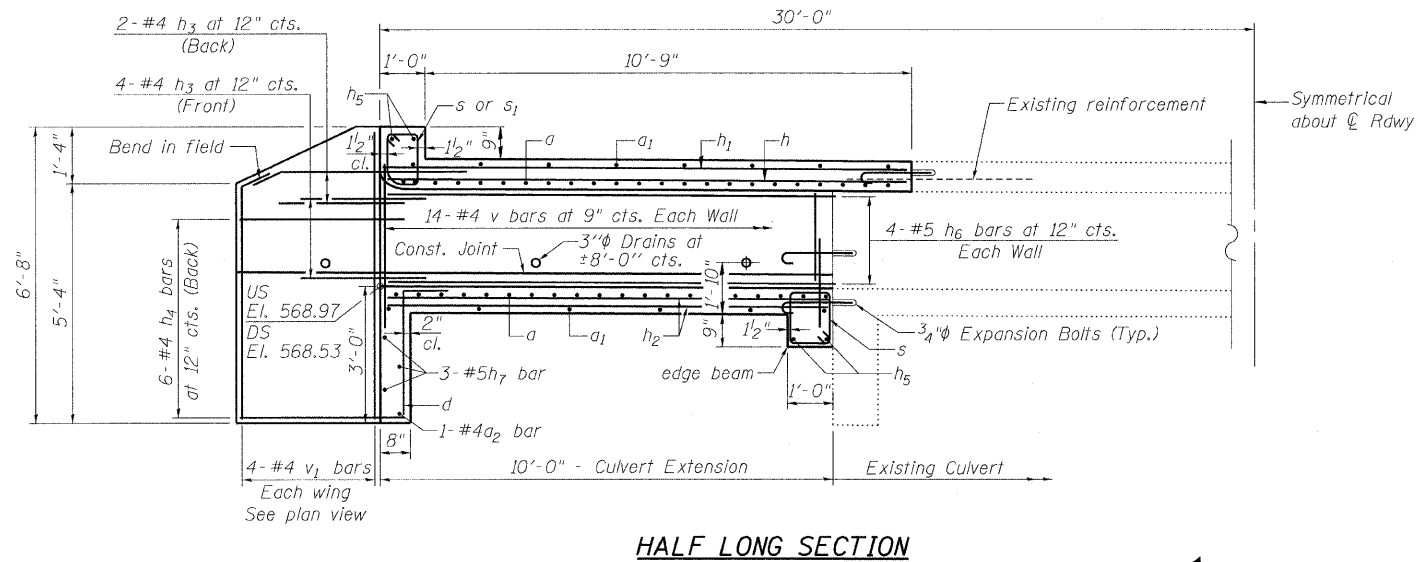
DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

COMPUTER FILE NO.
SN040-8300
PROJECT 01256
2/26/10-FAV

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

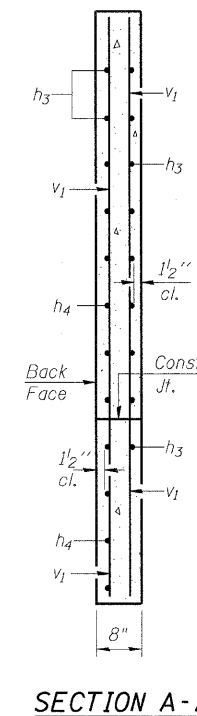
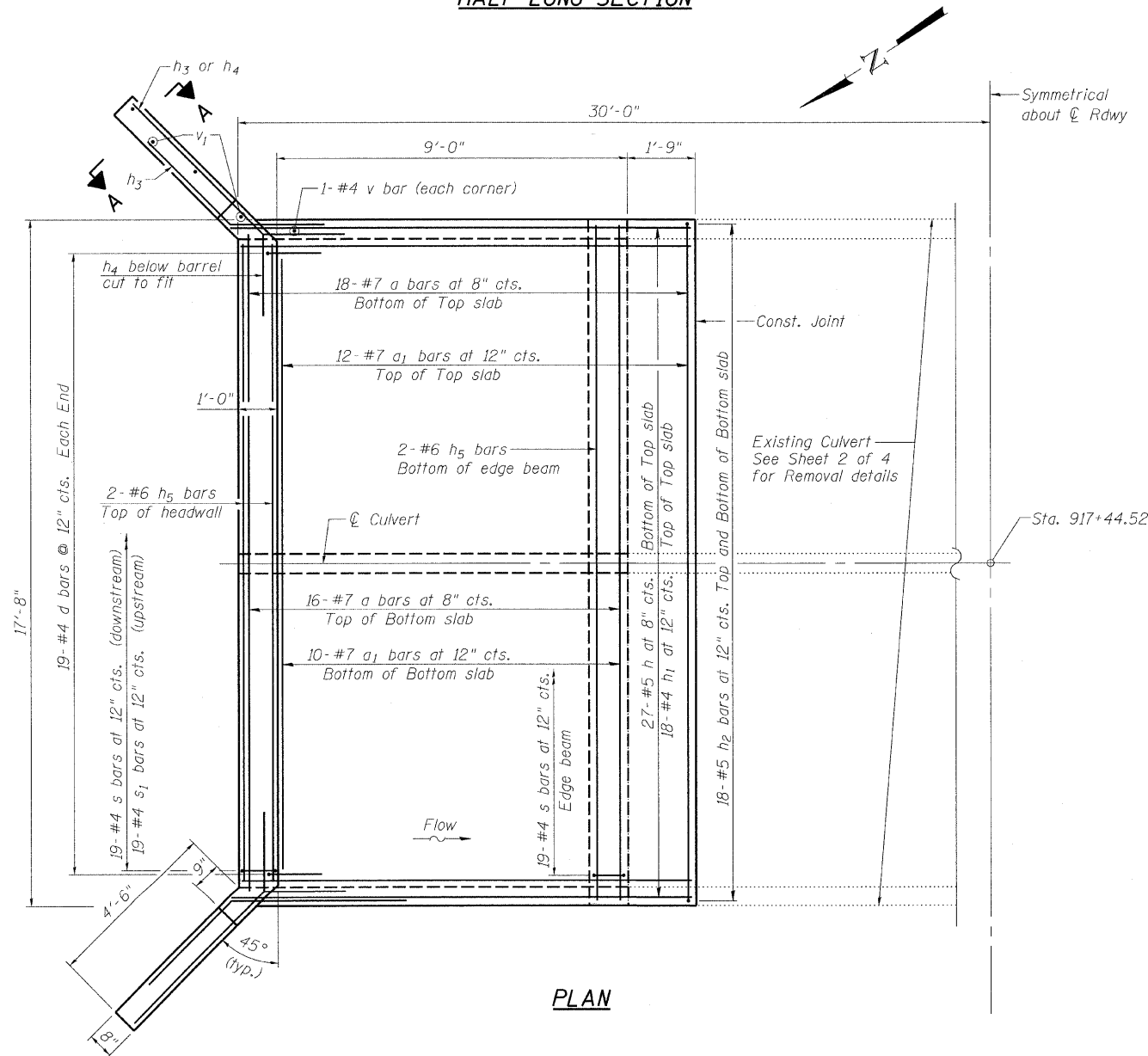
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 3 4 SHEETS
FAP 95	6RS-2	JASPER	546	266	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract No. 94437



**TWO EXTENSIONS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a	68	#7	19'-1"	U
a1	44	#7	17'-5"	—
a2	2	#4	17'-5"	—
d	38	#4	4'-6"	J
h	54	#5	11'-6"	—
h1	36	#4	11'-6"	—
h2	72	#5	9'-9"	—
h3	24	#4	8'-0"	—
h4	24	#4	7'-6"	—
h5	8	#6	17'-0"	—
h6	24	#4	9'-9"	—
h7	6	#5	17'-0"	—
s	57	#4	4'-7"	□
s1	19	#4	4'-5"	□
v	88	#4	3'-5"	—
v1	16	#4	6'-4"	—
Concrete Box Culverts			Cu. Yd.	31.4
Reinforcement Bars			Pound	7230



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CULVERT DETAILS
IL RTE 33 OVER DRAINAGE DITCH
FAP 95
SECTION 6RS-2
STA. 917+44.52
JASPER COUNTY
S.N. 040-8300

SCALE: VERT.
HORIZ.
DATE: 5/19/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

GRZYBE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
REGISTERED PROFESSIONAL ENGINEERS
ILLINOIS LICENSE NO. 040-8300
PROFESSIONAL & STRUCTURAL ENGINEERING CORPORATION
207 N. 14th St., Springfield, IL 62761-2070

COMPUTER FILE NO.
SN040-8300
PROJECT 01256
2/26/10-FAV

1/2" = 1'-0"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4 4 SHEETS
FAP 95	6RS-2	JASPER	546	267	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-		

Contract No. 94437

Illinois Department of Transportation
Division of Highways
Solvey Geotechnical, Inc.

SOIL BORING LOG Page 1 of 2
Date 10/7/04

ROUTE FAP 95 DESCRIPTION Culverts on IL Route 33 between Effingham and Newton
LOGGED BY Bossler/Kinsella

SECTION (5.0)Y, RS-2, 6BR-7 LOCATION SEC. 23, TWP. 7N, RNG. 8E, 3rd PM
COUNTY Jasper DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140-pound Automatic

STRUCT. NO. _____
Station _____

BORING NO. 7
Station 917+42
Offset 49.00ft Left
Ground Surface Elev. 570.31 ft

DEPTH (ft)	BULGE (in)	SHEAR (tsf)	MOISTURE (%)	SOIL DESCRIPTION			
				DEPTH (ft)	BULGE (in)	SHEAR (tsf)	MOISTURE (%)
3	1.5	22.8		Surface Water Elev. _____ ft			
4	B			Stream Bed Elev. _____ ft			
5	B			Groundwater Elev.: _____ ft			
				First Encounter _____ ft			
				Upon Completion _____ ft			
				After _____ Hrs.			
2	1.2	19.4					
2	B						
1	0.6	22.7					
2	B						
1	0.5	19.2					
3	B						
1	0.5	14.7					
3	B						
6	B						
4							
12	3.1	11.2					
16	S						
7							
13	3.6	12.3					
17	S						
4							
12	3.7	11.2					
16	S						

Gray-Brown SILTY CLAY
-Dark Gray-Brown 3.0 to 5.5 Feet
Brown CLAY LOAM
Dark Gray-Brown SILTY CLAY LOAM LL=29, PL=14, PI=15

Dark Gray-Brown SILTY CLAY LOAM (continued)
End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
RRS from 117 (Rev 8.00)

Illinois Department of Transportation
Division of Highways
Solvey Geotechnical, Inc.

SOIL BORING LOG Page 1 of 2
Date 10/7/04

ROUTE FAP 95 DESCRIPTION Culverts on IL Route 33 between Effingham and Newton
LOGGED BY Bossler/Kinsella

SECTION (5.0)Y, RS-2, 6BR-7 LOCATION SEC. 23, TWP. 7N, RNG. 8E, 3rd PM
COUNTY Jasper DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140-pound Automatic

STRUCT. NO. _____
Station _____

BORING NO. 8
Station 917+49
Offset 28.00ft Right
Ground Surface Elev. 589.10 ft

DEPTH (ft)	BULGE (in)	SHEAR (tsf)	MOISTURE (%)	SOIL DESCRIPTION			
				DEPTH (ft)	BULGE (in)	SHEAR (tsf)	MOISTURE (%)
1	0.5	29.0		Surface Water Elev. _____ ft			
2	B			Stream Bed Elev. _____ ft			
3	B			Groundwater Elev.: _____ ft			
				First Encounter _____ ft			
				Upon Completion _____ ft			
				After _____ Hrs.			
1	0.6	19.6					
2	B						
3	B						
1	0.4	25.4					
2	B						
1	1.3	23.7					
2	P						
1	1.6	13.7					
5	B						
8	B						
10							
28	3.5	7.5					
47	P						
6							
14	4.0	9.7					
21	S						
4							
10	2.8	11.8					
15	S						

Dark Gray-Brown SILTY CLAY
Dark Gray-Brown CLAY LOAM
-Very Dark Gray 5.5 to 8.0 Feet
Gray-Brown below 8.0 Feet
Brown SILTY LOAM
Gray-Brown SILTY CLAY LOAM

Gray-Brown SILTY CLAY LOAM (continued)
End of Boring

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
RRS from 117 (Rev 8.00)

ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS

IL RTE 33 OVER DRAINAGE DITCH
FAP 95
SECTION 6RS-2
STA. 917+44.52
JASPER COUNTY
S.N. 040-8300

REVISIONS	
NAME	DATE

SCALE: VERT. _____
HORIZ. _____
DATE: 11/29/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: WATKINS

COMPUTER FILE NO.
SN040-8300_BOR

PROJECT 01256
2/26/10-FAV

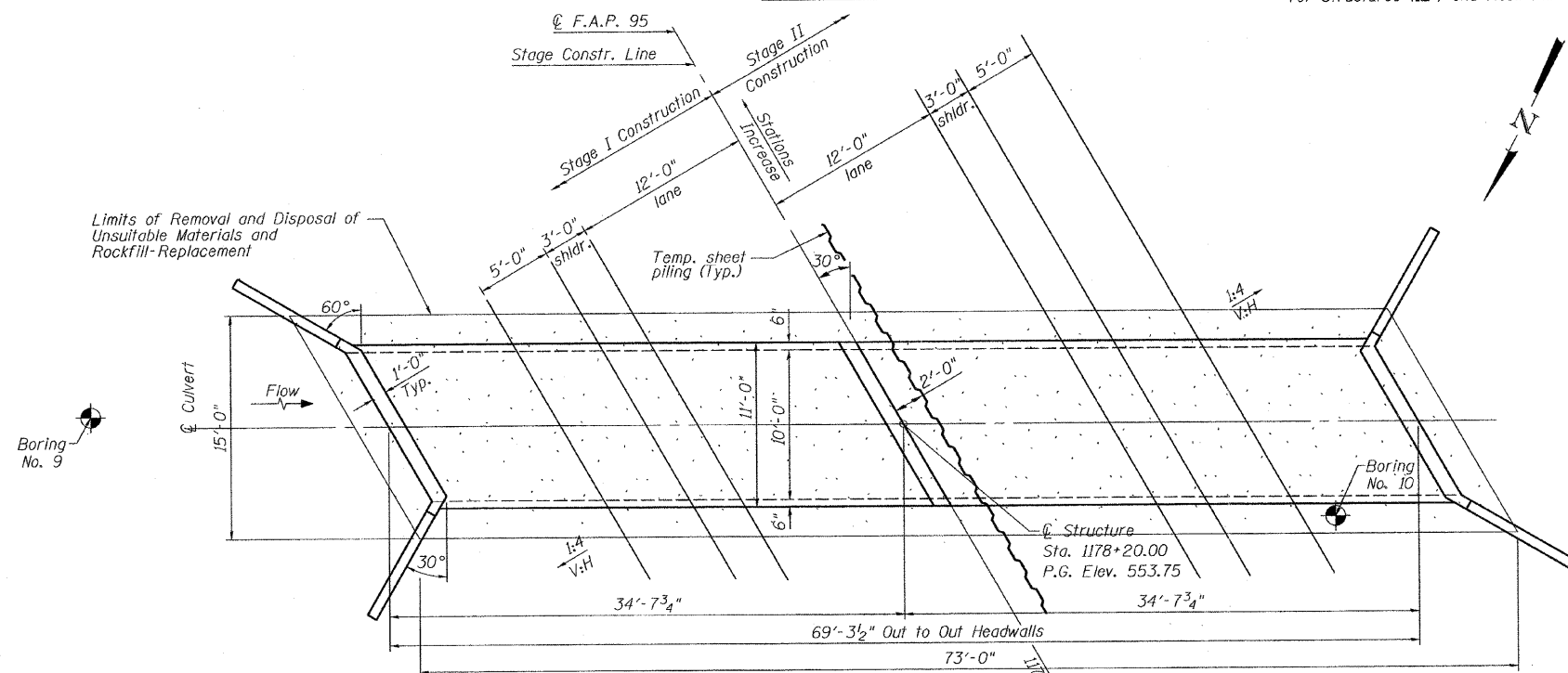
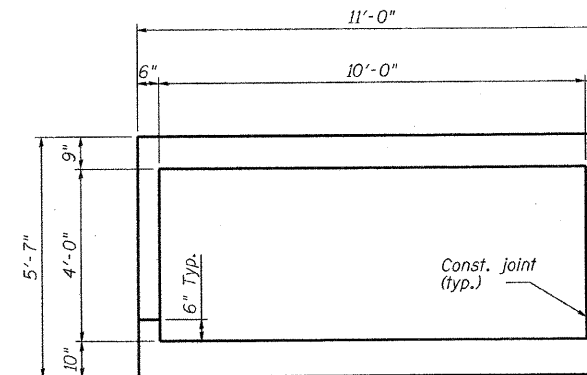
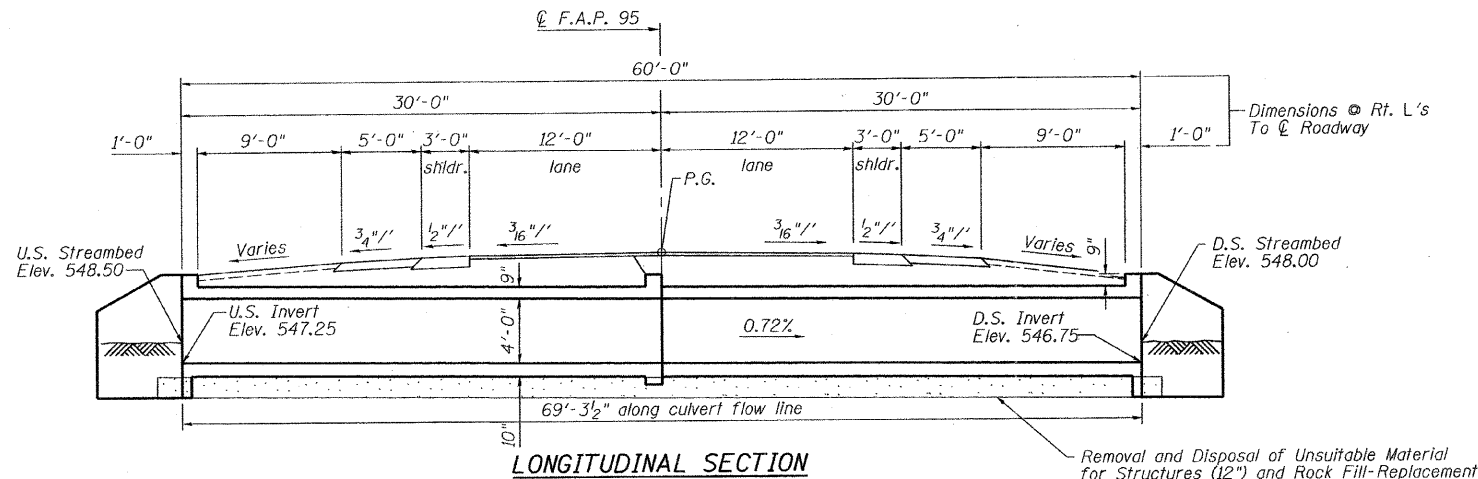


Bench Mark: B.M. #20 Sta. 1178+12.93' Rt.
Survey monument, Elev. 550.81.
Existing Structure: None.
No salvage.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1 6 SHEETS
FAP 95	*	JASPER	546	268	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-			

* (5,6)Y, RS-2, 6BR-7
Contract #94437



WATERWAY INFORMATION

Freq. Year	Structure	Discharge (cfs)		Opening (sq ft)		Natural H.W.E.		Headwater Elevation		
		Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	
10	Bridge	103	103	24.1	26.4	550.89	-0.04	0.02	550.85	550.91
	Over-the-Road	0	0	0.0	0.0					
	Total	103	103	24.1	26.4					
Design 50	Bridge	153	153	32.7	30.0	551.76	0.03	0.26	551.79	552.02
	Over-the-Road	0	0	0.0	0.0					
	Total	153	153	32.7	30.0					
Base 100	Bridge	173	173	33.1	30.0	551.81	0.16	0.51	551.97	552.32
	Over-the-Road	0	0	0.0	0.0					
	Total	173	173	33.1	30.0					
Max. Calc. 500	Bridge	218	218	34.2	30.0	551.91	0.48	1.10	552.39	553.01
	Over-the-Road	0	0	0.0	0.0					
	Total	218	218	34.2	30.0					

LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
2002 AASHTO

DESIGN STRESSES

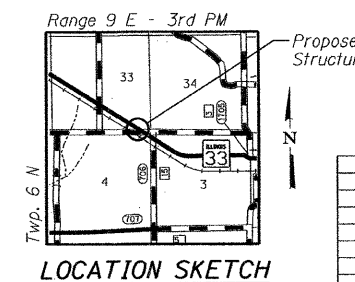
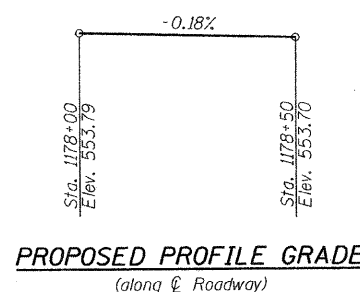
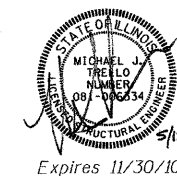
FIELD UNITS
 $f_c = 3,500$ psi
 $f_y = 60,000$ psi (reinforcement)

SEISMIC DATA

Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.073g
Site Coefficient (S) = 1.0

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Box Culverts	Cu. Yd.	63.6
Reinforcement Bars	Pound	15,970
Temporary Sheet Piling	Sq. Ft.	630
Bar Splicers	Each	48
Structure Excavation	Cu Yd	300
Removal and Disposal of Unsuitable Materials for Structures	Cu Yd	41
Rock Fill - Replacement	Ton	83



ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL PLAN
F.A.P. 95 (IL RTE 33) OVER DRAINAGE DITCH
SECTION (5,6)Y, RS-2, 6BR-7
STA. 1178+20.00
JASPER COUNTY
S.N. 040-2011

REVISIONS	
NAME	DATE

SCALE: VERT.
HORIZ.
DATE: 11/22/04

GREENE & BRADFORD, INC.
REGISTERED PROFESSIONAL ENGINEERS
ILLINOIS LICENSE NO. 021-01256
OPERATING SINCE 1960
1000 W. MONROE ST., SUITE 100
JASPER, ILL. 62534-1101
TEL: 781-884-1000 FAX: 781-884-1001

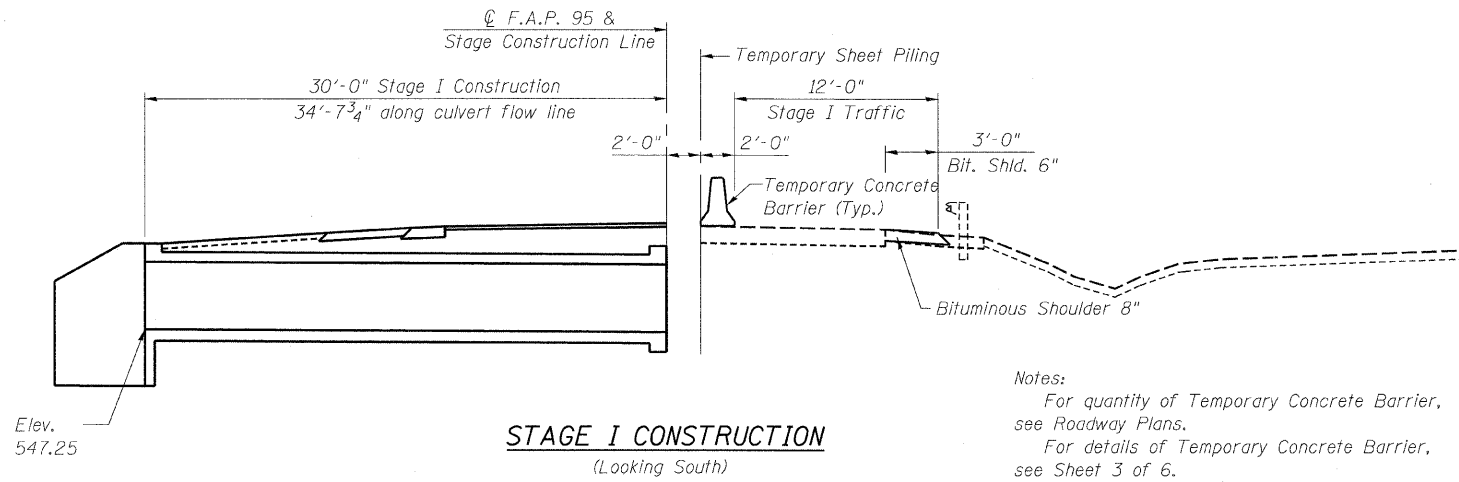
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DESIGNED BY: SANFORD
CHECKED BY: TRELLO
COMPUTER FILE NO.
01256GPE
PROJECT
01256
3/11/10 MDS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

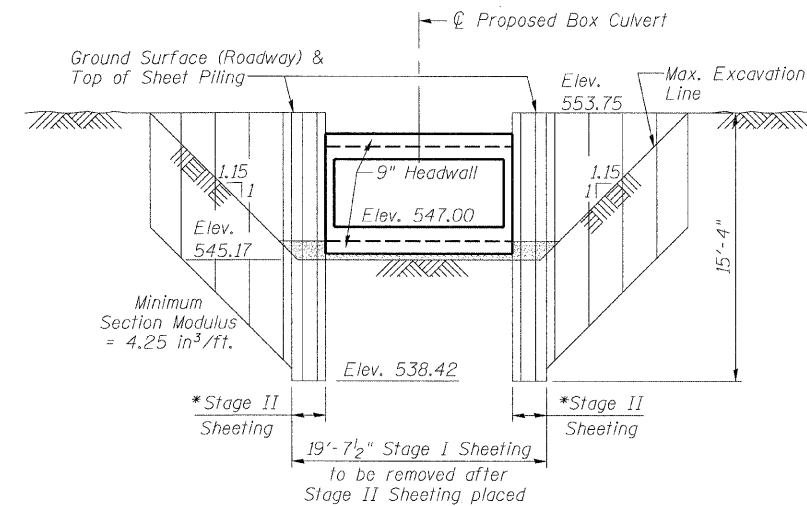
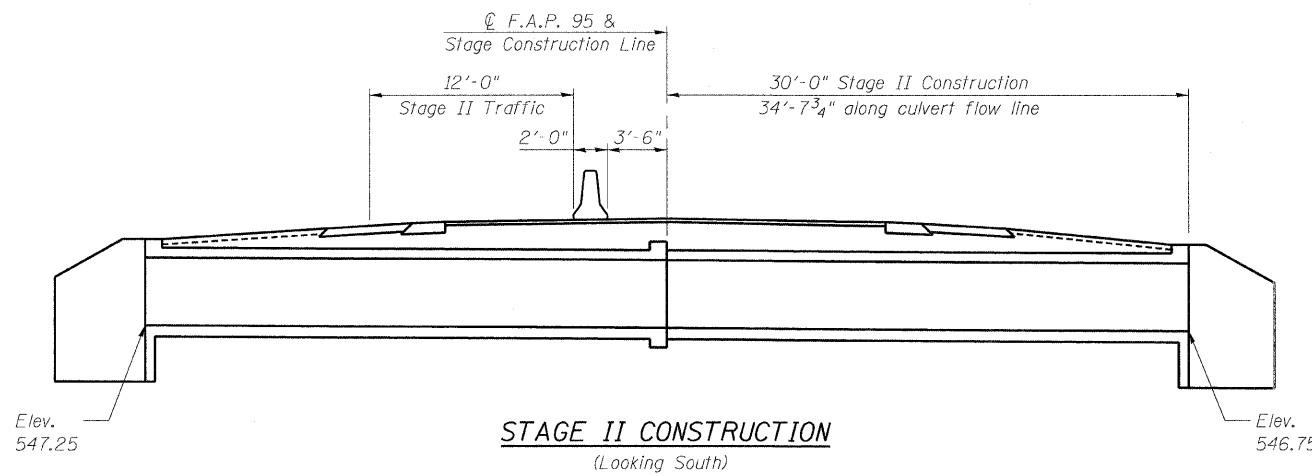
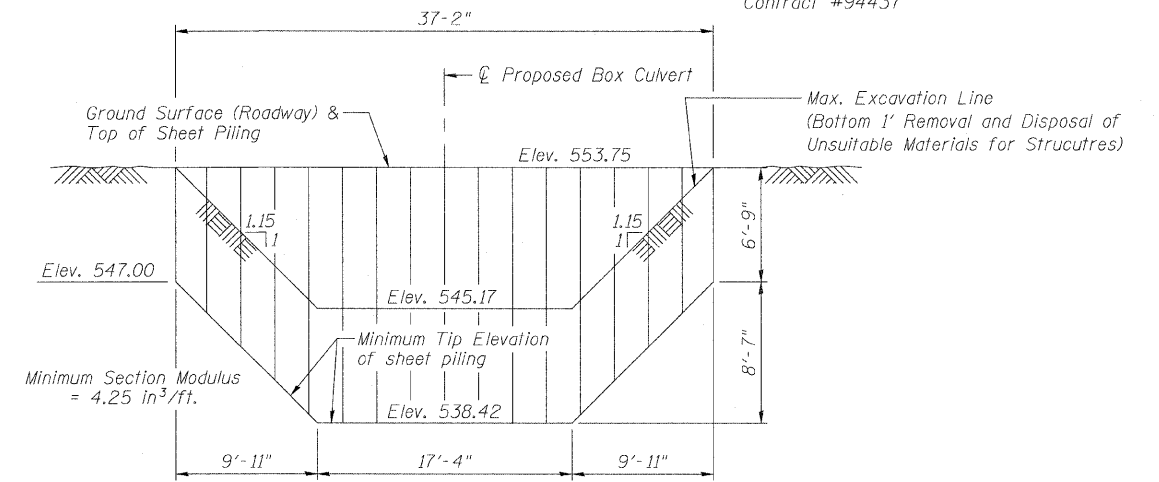
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 95	*	JASPER	546	269
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

*(5,6)Y, RS-2, 6BR-7
Contract #94437

SHEET NO. 2
6 SHEETS



Notes:
For quantity of Temporary Concrete Barrier, see Roadway Plans.
For details of Temporary Concrete Barrier, see Sheet 3 of 6.

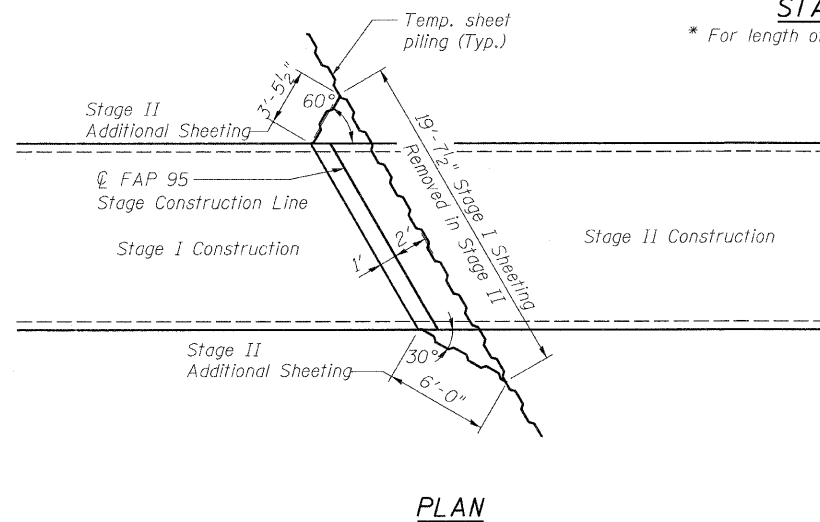


GENERAL NOTES

- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
- All exposed concrete edges shall be chamfered 3/4" unless otherwise noted.
- All construction joints shall be bonded.
- A precast alternative is not allowed.
- A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
- Removal and disposal of unsuitable materials for Structures and Rockfill-Replacement are estimated volumes only and final limits will be determined in the field during excavation at all culvert/culvert extensions, by the engineer.
- Backfill Material for this Culvert shall be CA 6. The Cost of CA 6 for Backfill is Included in the Pay Item, "Structure Excavation."

TEMPORARY SHEET PILING NOTES

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGING DETAILS
F.A.P. 95 (IL RTE 33) OVER DRAINAGE DITCH
SECTION (5,6)Y, RS-2, 6BR-7
STA. 1178+20.00
JASPER COUNTY
S.N. 040-2011

SCALE: VERT. _____
HORIZ. _____
DATE: 11/22/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: TRELLO

GREENE & BRADFORD, INC.
OF SPRINGFIELD

COMPUTER FILE NO. 01256STG
PROJECT 01256
3/11/10-MDS

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OPERATOR = Franky

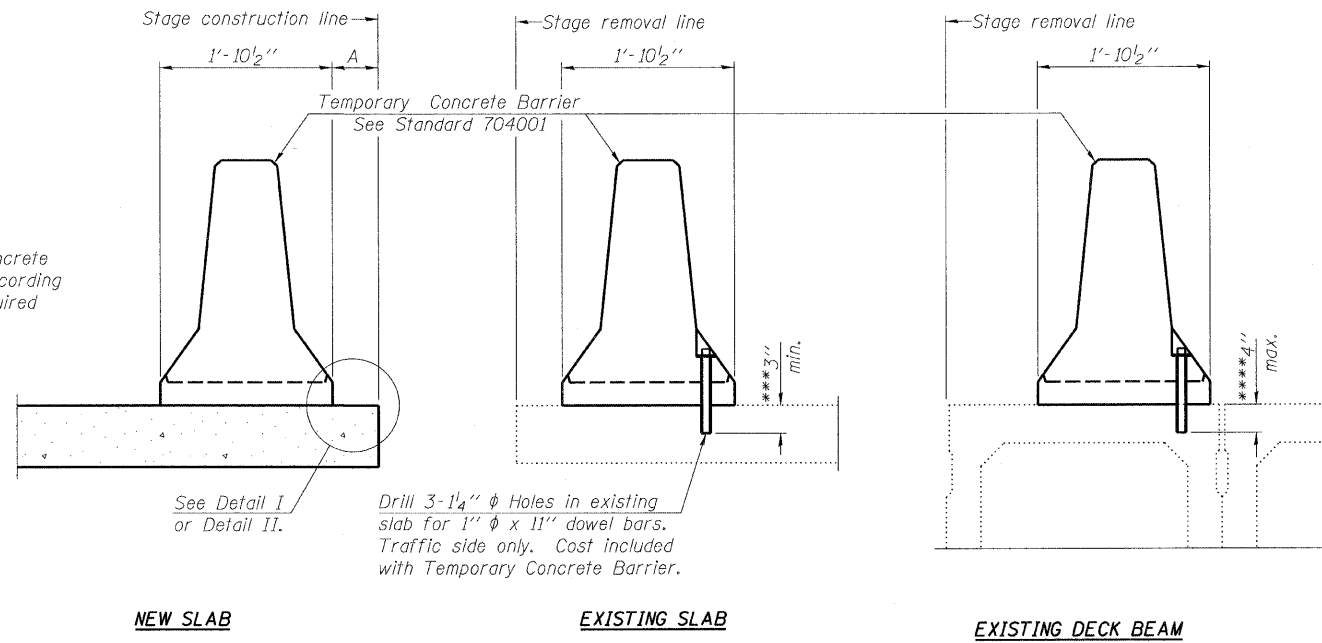
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 95	*	JASPER	546	270
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SHEET NO. 3
6 SHEETS

*(5,6)Y, RS-2, 6BR-7
Contract #94437

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



Drill 3-1/4" ϕ Holes in existing slab for 1" ϕ x 11" dowel bars. Traffic side only. Cost included with Temporary Concrete Barrier.

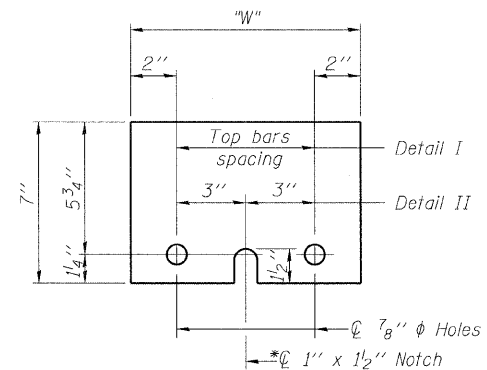
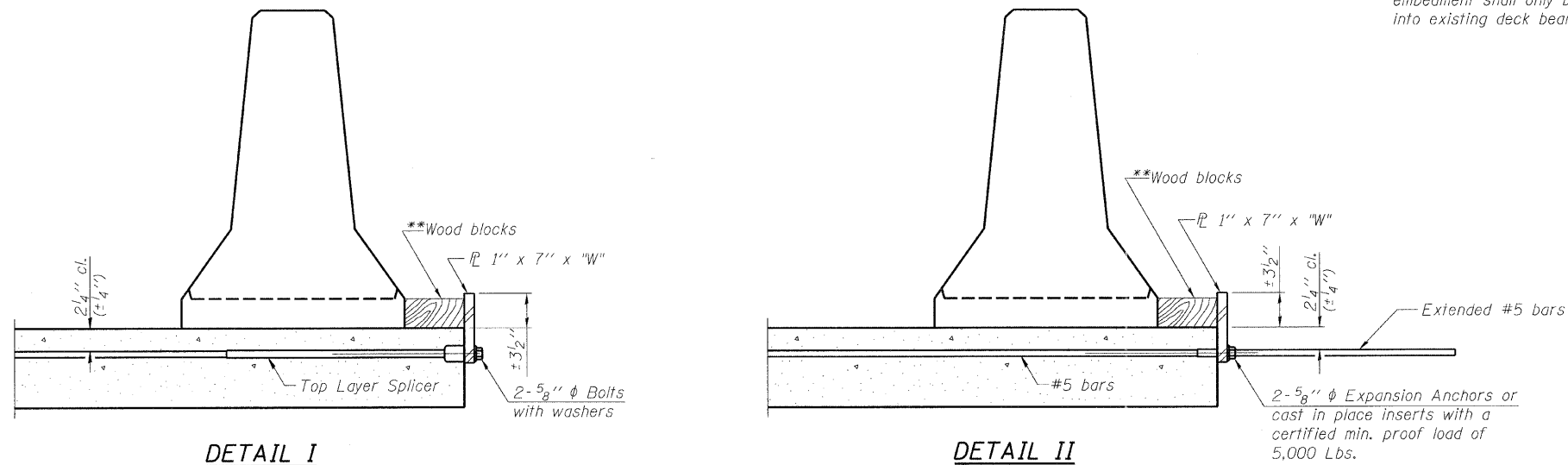
NOTES

- Detail I - With Bar Splicer or Couplers:**
Connect one (1) 1"x7"x10" steel \bar{P} to the top layer of couplers with 2-5/8" ϕ bolts screwed to coupler at approximate \bar{C} of each barrier panel.
- Detail II - With Extended Reinforcement Bars:**
Connect one (1) 1"x7"x10" steel \bar{P} to the concrete slab or concrete wearing surface with 2-5/8" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate \bar{C} of each barrier panel.
- Cost of anchorage is included with Temporary Concrete Barrier. The 1" x 7" x 10" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

SECTIONS THRU SLAB OR DECK BEAM

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



STEEL RETAINER \bar{P} 1" x 7" x 10"

* Required only with Detail II

** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
F.A.P. 95 (IL RTE 33) OVER DRAINAGE DITCH
SECTION (5,6)Y, RS-2, 6BR-7
STA. 1178+20.00
JASPER COUNTY
S.N. 040-2011

SCALE: VERT. _____
SCALE: HORIZ. _____
DATE: 11/22/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: TRELLO

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
PROFESSIONAL ENGINEERING COMPANY
1000 N. W. 10th St., Suite 100, Springfield, IL 62761
TEL: 217-223-1111 FAX: 217-223-1112

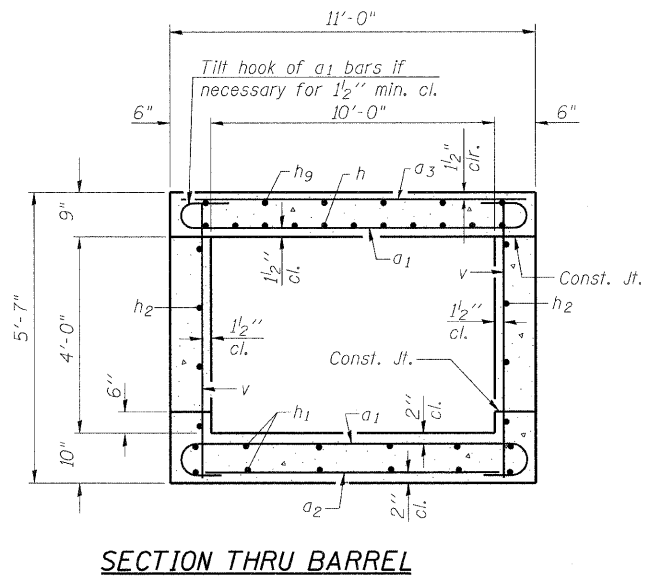
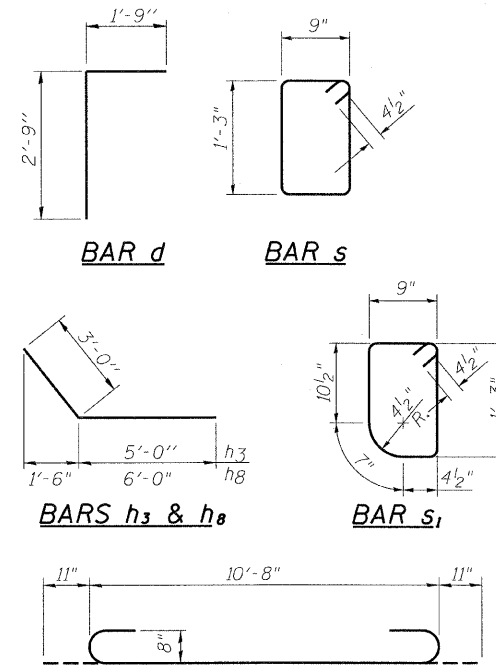
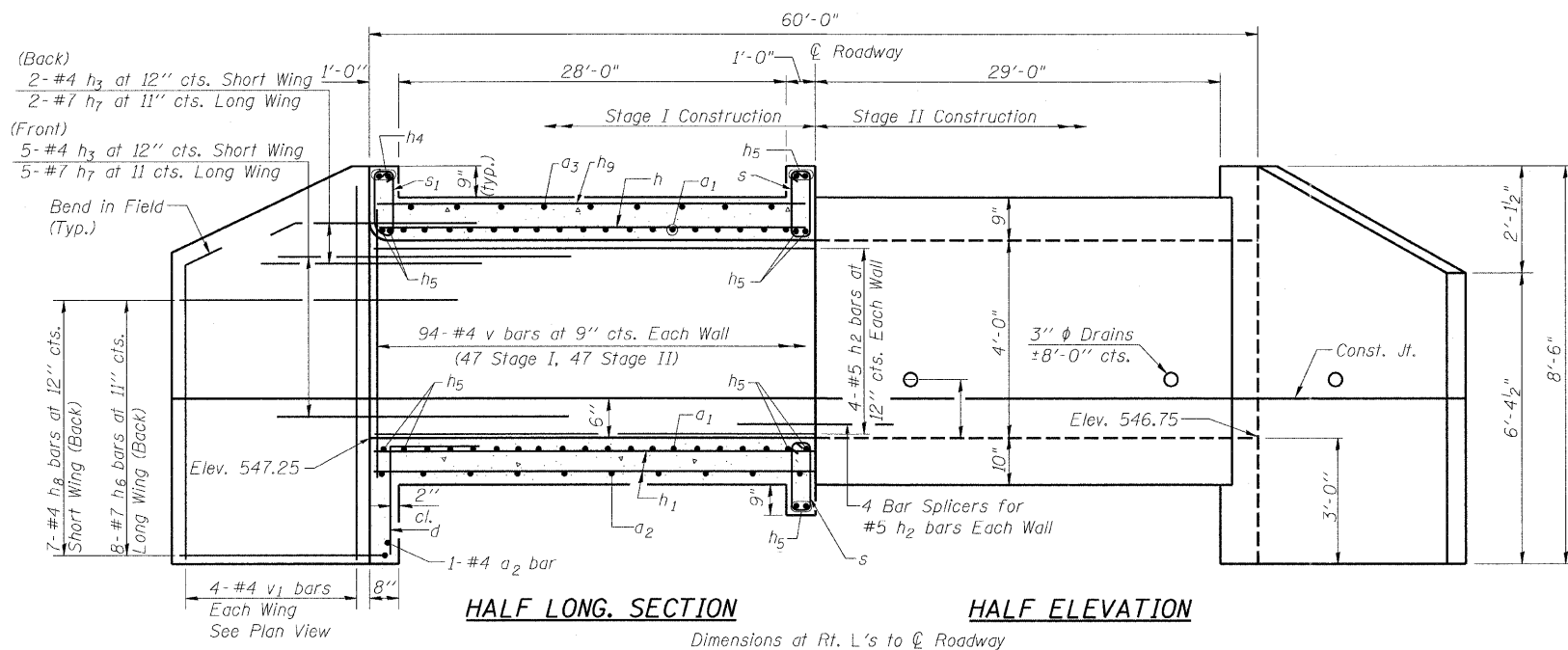
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3/11/10-MDS

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PLOT TIME = 5:29:03 PM
OPERATOR = FRANKY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 4 6 SHEETS
FAP 95	*	JASPER	546	271	
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-		

*(5.6)Y, RS-2, 6BR-7
Contract #94437

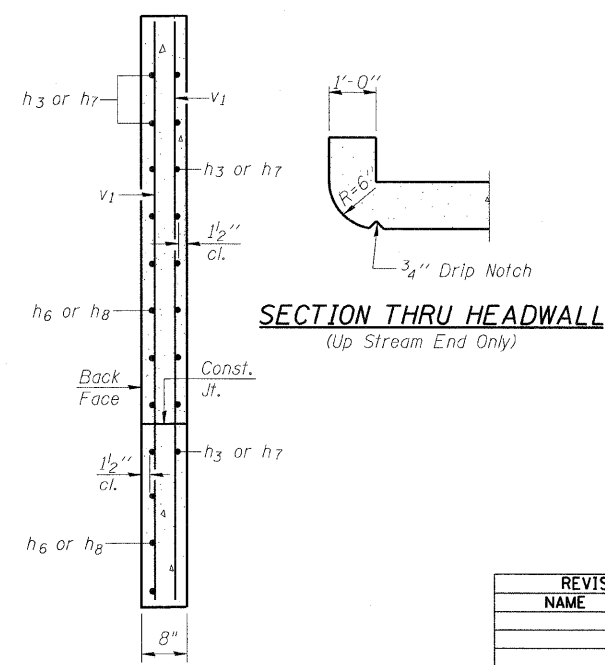
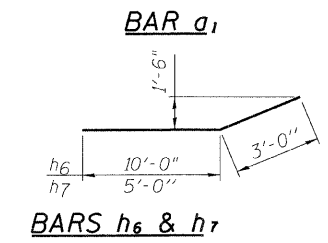
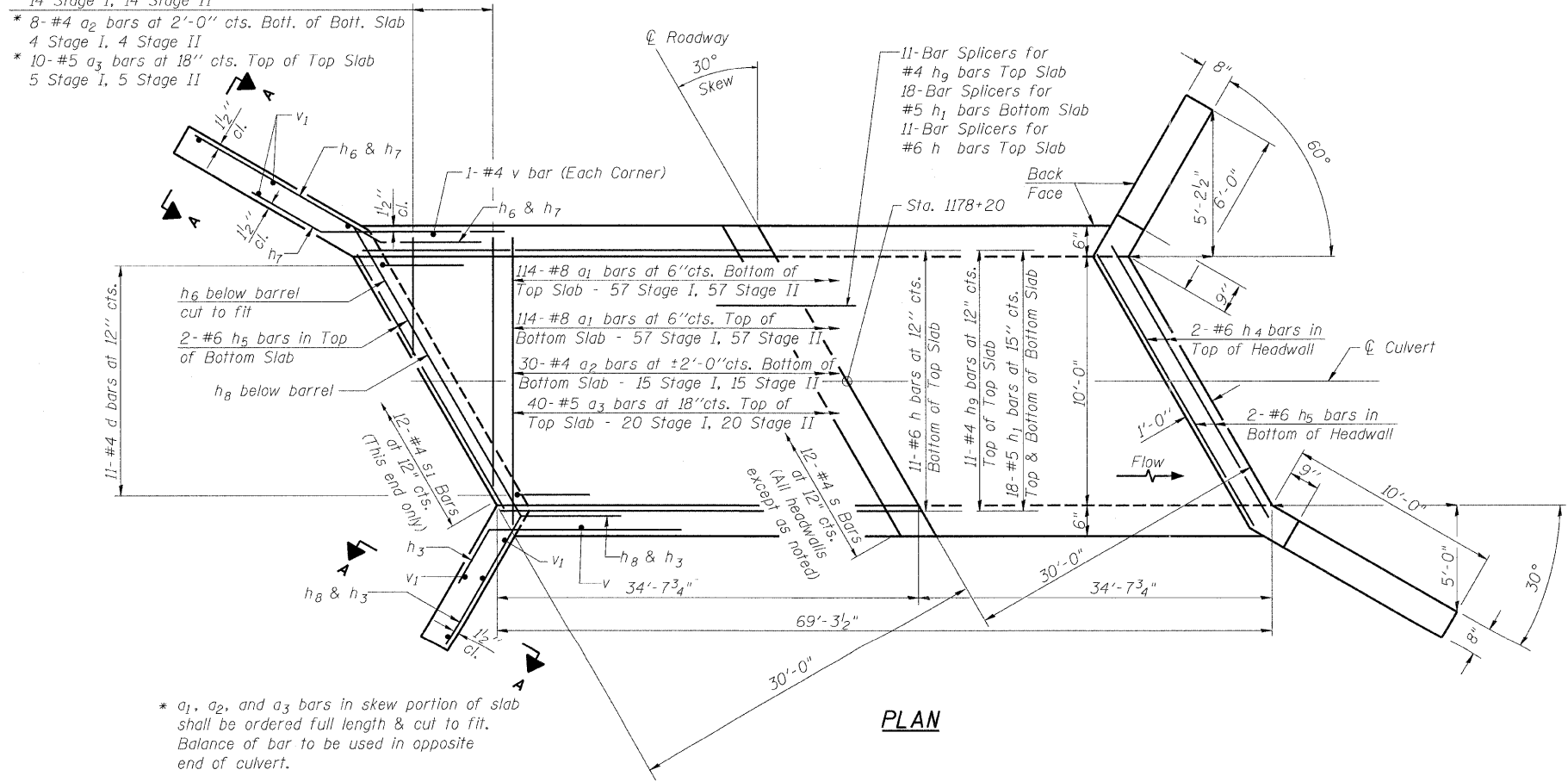


- * 28-#8 a1 bars at 6" cts. Bott. of Top Slab
14 Stage I, 14 Stage II
- * 28-#8 a1 bars at 6" cts. Top of Bott. Slab
14 Stage I, 14 Stage II
- * 8-#4 a2 bars at 2'-0" cts. Bott. of Bott. Slab
4 Stage I, 4 Stage II
- * 10-#5 a3 bars at 18" cts. Top of Top Slab
5 Stage I, 5 Stage II

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	284	#8	12'-6"	U
a2	38	#4	10'-8"	U
a3	50	#5	10'-8"	U
d	22	#4	4'-6"	L
h	22	#6	34'-4"	U
h1	36	#5	34'-4"	U
h2	16	#5	34'-4"	U
h3	14	#4	8'-0"	U
h4	4	#6	11'-6"	U
h5	16	#6	12'-5"	U
h6	16	#7	13'-0"	U
h7	14	#7	8'-0"	U
h8	14	#4	9'-0"	U
h9	22	#4	34'-4"	U
s	36	#4	4'-9"	U
s1	12	#4	4'-7"	U
v	192	#4	5'-3"	U
v1	16	#4	8'-3"	U

Concrete Box Culverts Cu. Yd. 63.6
Reinforcement Bars Pound 15,970



SECTION A-A

* a1, a2, and a3 bars in skew portion of slab shall be ordered full length & cut to fit. Balance of bar to be used in opposite end of culvert.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS
F.A.P. 95 (IL RTE 33) OVER DRAINAGE DITCH
SECTION (5.6)Y, RS-2, 6BR-7
STA. 1178+20.00
JASPER COUNTY
S.N. 040-2011

SCALE: VERT. 1"=4'-0"
HORIZ. 1"=20'-0"
DATE: 11/22/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: TRELLO

COMPUTER FILE NO. 01256DET
PROJECT 01256
3/11/10-MDS

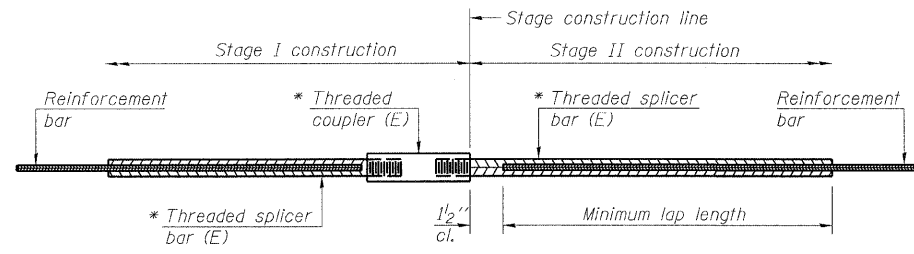
GREENE & BRADFORD, INC.
OF SPRINGFIELD
REGISTERED PROFESSIONAL ENGINEERS
PROFESSIONAL ENGINEER NO. 024 000
PROFESSIONAL SURVEYOR NO. 024 000
1015 N. BRAD, SPRINGFIELD, ILL. 62761

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OPERATOR = FRANKY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 5 6 SHEETS
FAP 95	*	JASPER	546	272	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			

*(5,6)Y, RS-2, 6BR-7
Contract #94437



STANDARD BAR SPLICER ASSEMBLY

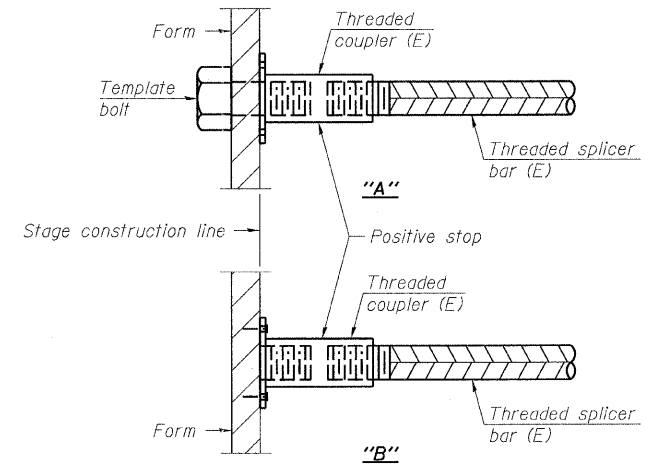
Bar size to be spliced	Minimum Lap Lengths			
	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5"	1'-11"	2'-1"	2'-4"
5	1'-9"	2'-5"	2'-7"	2'-11"
6	2'-1"	2'-11"	3'-1"	3'-6"
7	2'-9"	3'-10"	4'-2"	4'-8"
8	3'-8"	5'-1"	5'-5"	6'-2"
9	4'-7"	6'-5"	6'-10"	7'-9"

Table 1: Black bar, 0.8 Class C
Table 2: Black bar, Top bar lap, 0.8 Class C
Table 3: Epoxy bar, 0.8 Class C
Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Threaded splicer bar length = min. lap length + 1/2" + thread length

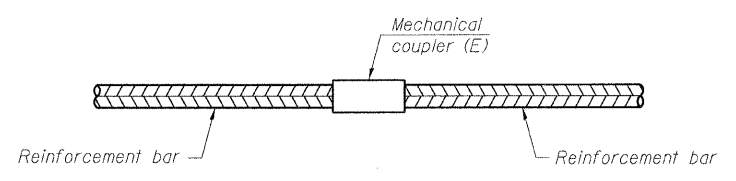
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Top Slab	#4	11	2
Walls	#5	8	1
Bottom Slab	#5	18	1
Top Slab	#6	11	1



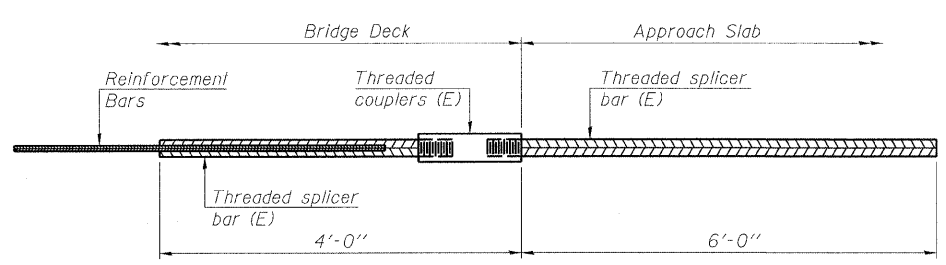
INSTALLATION AND SETTING METHODS

"A": Set bar splicer assembly by means of a template bolt.
"B": Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



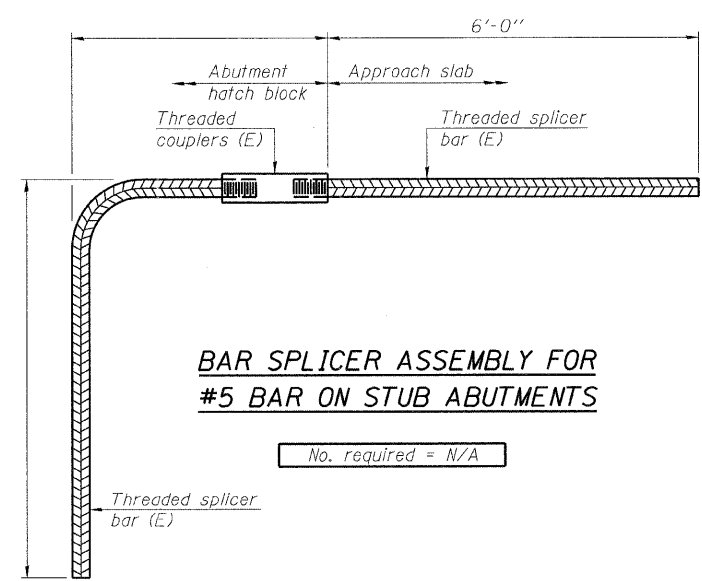
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required = N/A



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required = N/A

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
All reinforcement shall be lapped and tied to the splicer bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
See special provision for Mechanical Splicers.
See approved list of bar splicer assemblies and mechanical splicers for alternatives.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BAR SPLICER ASSEMBLY DETAILS

F.A.P. 95 (IL RTE. 33) OVER DRAINAGE DITCH
SECTION (5,6)Y, RS-2, 6BR-7
STA. 1178+20.00
JASPER COUNTY
S.N. 040-2011

SCALE: VERT. _____
HORIZ. _____
DATE: 11/22/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: TRELLO

COMPUTER FILE NO. 01256BSD
PROJECT 01256
3/11/10-MDS

GREENE & BRADFORD, INC.
OF SPRINGFIELD
REGISTERED PROFESSIONAL ENGINEERS
PROFESSIONAL ENGINEERING CORPORATION
ILLINOIS LICENSE NO. 021-000010
JASPER COUNTY LICENSE NO. 021-000010

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 95	*	JASPER	546	273
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

*(5,6)Y, RS-2, 6BR-7
Contract #94437



SOIL BORING LOG

Page 1 of 1

Date 10/6/04

ROUTE FAP 95 (IL 33) DESCRIPTION Culverts on IL 33 between Effingham and Newton LOGGED BY Bossier/Kinsella

SECTION (5,6)Y, RS-2, 6BR-7 LOCATION SEC. 33, TWP. 7 N, RNG. 9 E, 3 PM

COUNTY Jasper DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO.	N/A	D	B	U	M	Surface Water Elev.	N/A	ft
Station	N/A	E	L	C	O	Stream Bed Elev.	N/A	ft
BORING NO.	9	P	O	S	I	Groundwater Elev.:		
Station	1178+48	T	W	Qu	T	First Encounter	Dry	ft
Offset	47.00ft Lt	H	S			Upon Completion	Dry	ft
Ground Surface Elev.	550.60	(ft)	(/6")	(tsf)	(%)	After _____ Hrs.	N/A	ft

Very dark, gray, SILTY CLAY.								
	1							
	3	0.9	22.9					
	4	B						
	2							
	2	1.1	23.9					
	3	B						
Gray below 5 feet.								
	1							
	2	1.1	21.5					
	4	B						
	2							
	2	0.6	13.5					
	2	B						
Dark gray/brown below 10.5'.								
	4							
	11	1.7	8.1					
	17	B						
	3							
	3							
	50/5"		9.3					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1

Date 10/6/04

ROUTE FAP 95 (IL 33) DESCRIPTION Culverts on IL 33 between Effingham and Newton LOGGED BY Bossier/Kinsella

SECTION (5,6)Y, RS-2, 6BR-7 LOCATION SEC. 33, TWP. 7 N, RNG. 9 E, 3 PM

COUNTY Jasper DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO.	N/A	D	B	U	M	Surface Water Elev.	N/A	ft
Station	N/A	E	L	C	O	Stream Bed Elev.	N/A	ft
BORING NO.	10	P	O	S	I	Groundwater Elev.:		
Station	1178+00	T	W	Qu	T	First Encounter	Dry	ft
Offset	22.00ft Rt	H	S			Upon Completion	540.2	ft
Ground Surface Elev.	553.00	(ft)	(/6")	(tsf)	(%)	After _____ Hrs.	N/A	ft

Dark gray/brown, SILTY CLAY LOAM, fill.						Gray, highly weathered, SILTSTONE. (continued)		
	1						6	
	2	0.6	22.1				13	12.5
	3	B					18	
	1						5	
	2	1.5	29.2				17	8.6
	4	B					50/5"	
Dark gray/brown, SILTY CLAY.						End of boring.		
	1							
	2	1.4	26.3					
	3	B						
Gray/brown, SILTY CLAY LOAM.								
	1							
	2	1.3	26.1					
	3	B						
Gray/brown, SILTY CLAY. LL=36, PL=13, PI=23								
	1							
	2	1.3	26.1					
	3	B						
Dark gray/brown below 10.5 feet.								
	1							
	2	1.0	22.6					
	3	B						
Dark gray/brown, SILTY CLAY LOAM.								
	1							
	11	1.2	8.3					
	23	S						
Gray, SANDY LOAM.								
	8							
	22		10.7					
	34							
Gray, highly weathered, SILTSTONE.								
	3							
	22		11.4					
	30							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS
F.A.P. 95 (IL RTE 33) OVER DRAINAGE DITCH
SECTION (5,6)Y, RS-2, 6BR-7
STA. 1178+20.00
JASPER COUNTY
S.N. 040-2011

SCALE: VERT. _____
HORIZ. _____
DATE: 11/22/04

DRAWN BY: LANDREY
DESIGNED BY: SANFORD
CHECKED BY: IRELLA

COMPUTER FILE NO. 01256L0G
PROJECT 01256
3/11/10-MDS

GREENE & BRADFORD, INC.
OF SPRINGFIELD
REGISTERED PROFESSIONAL ENGINEERS
REGISTERED PROFESSIONAL SURVEYORS
REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEERS
REGISTERED PROFESSIONAL CIVIL ENGINEERS
REGISTERED PROFESSIONAL ELECTRICAL ENGINEERS
REGISTERED PROFESSIONAL MECHANICAL ENGINEERS
REGISTERED PROFESSIONAL CHEMICAL ENGINEERS
REGISTERED PROFESSIONAL INDUSTRIAL ENGINEERS
REGISTERED PROFESSIONAL AERONAUTICAL ENGINEERS
REGISTERED PROFESSIONAL AGRICULTURAL ENGINEERS
REGISTERED PROFESSIONAL ARCHITECTS
REGISTERED PROFESSIONAL ENVIRONMENTAL ENGINEERS
REGISTERED PROFESSIONAL FOREST ENGINEERS
REGISTERED PROFESSIONAL GEODESIC ENGINEERS
REGISTERED PROFESSIONAL METEOROLOGICAL ENGINEERS
REGISTERED PROFESSIONAL NUCLEAR ENGINEERS
REGISTERED PROFESSIONAL PETROLEUM ENGINEERS
REGISTERED PROFESSIONAL SANITARY ENGINEERS
REGISTERED PROFESSIONAL STRUCTURAL ENGINEERS
REGISTERED PROFESSIONAL THERMAL ENGINEERS
REGISTERED PROFESSIONAL TRANSPORTATION ENGINEERS
REGISTERED PROFESSIONAL WATER RESOURCES ENGINEERS
REGISTERED PROFESSIONAL WIND ENGINEERS
REGISTERED PROFESSIONAL ZONING ENGINEERS

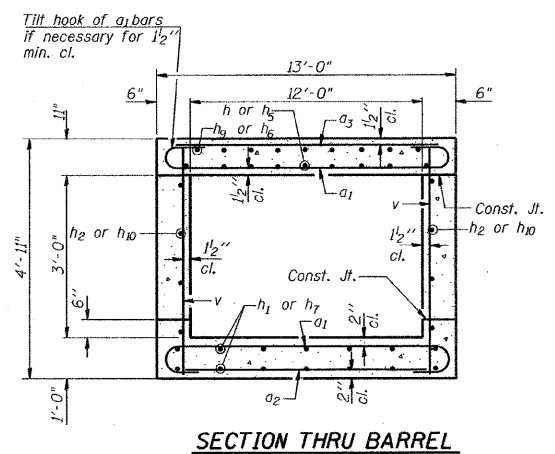
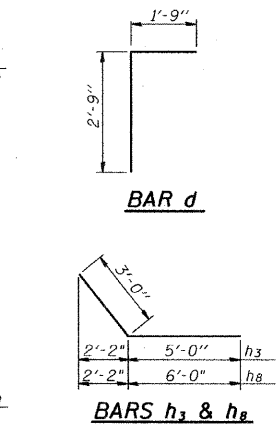
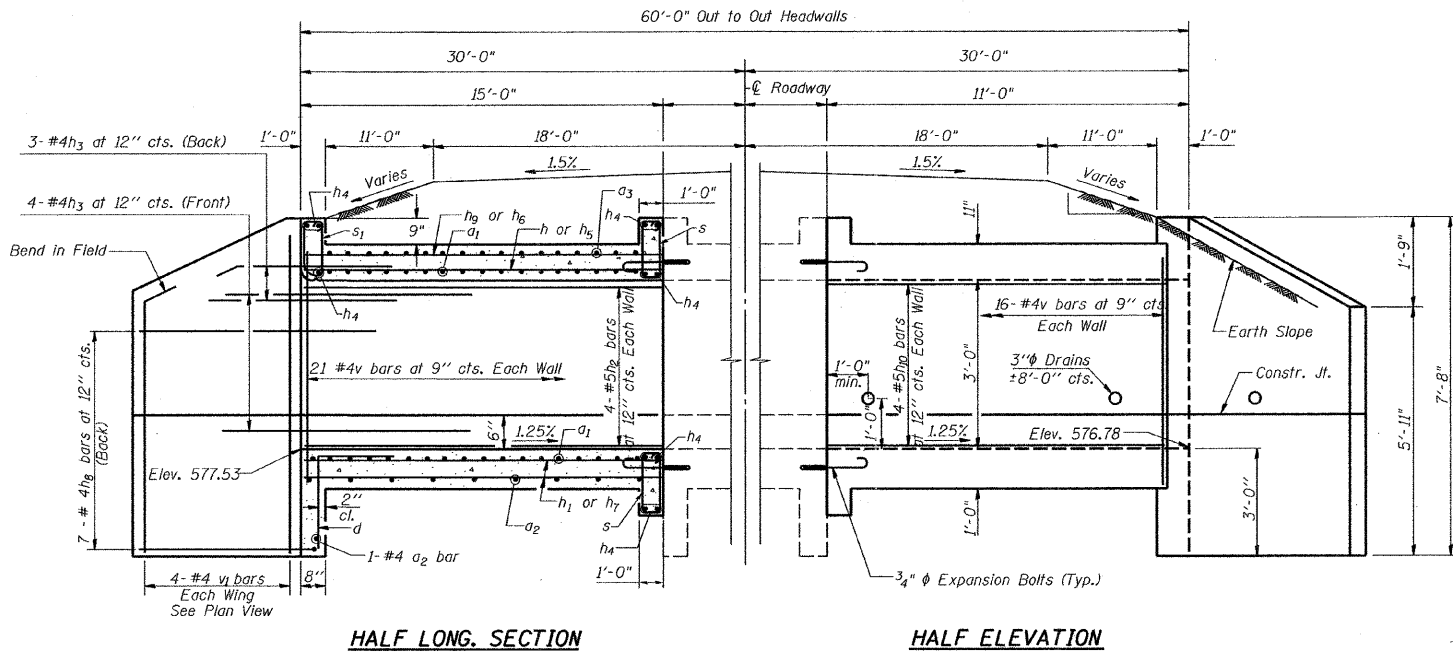
FILE NAME = I:\0256\DRAININGS\1040-20\01256L0G.dgn
PLOT SCALE = 5/8" = 1' - 0"
PLOT DATE = 3/17/2010
PLOT TIME = 5:29:56 PM
OPERATOR = FRANKY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	274
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*15.61Y.RS-2.6BR-7				
CONTRACT NO. 94437				

DESIGN	INT.	DATE	REASON

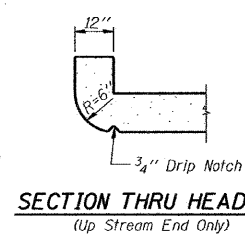
PLOTS & CHECKS	INT.	DATE	NO.	REASON

CHECKS	INT.	DATE	REASON



BILL OF MATERIAL STA. 734+00.95

Bar	No.	Size	Length	Shape
a1	88	#9	15'-2"	U
a2	18	#4	12'-9"	—
a3	20	#5	12'-9"	—
d	26	#4	4'-6"	L
h	11	#7	14'-9"	—
h1	24	#5	14'-9"	—
h2	8	#5	14'-9"	—
h3	28	#4	8'-0"	—
h4	24	#6	12'-9"	—
h5	11	#7	10'-9"	—
h6	13	#4	10'-9"	—
h7	24	#5	10'-9"	—
h8	28	#4	9'-0"	—
h9	13	#4	14'-9"	—
h10	8	#5	10'-9"	—
s	65	#4	5'-1"	U
s1	13	#4	4'-11"	U
v	78	#4	4'-8"	—
v1	16	#4	7'-5"	—
Concrete Box Culverts Cu. Yd.				34.5
Reinforcement Bars Pound				8,050
Expansion Bolts 3/4 Inch Each				40



DESIGN STRESSES
 fy = 60,000 psi
 f'c = 3,500 psi

LOADING HS 20-44

REVISIONS	
NAME	DATE

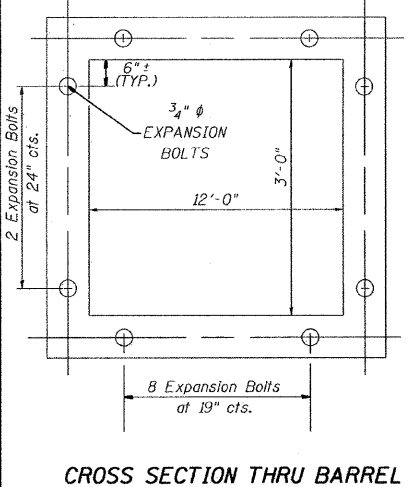
ILLINOIS DEPARTMENT OF TRANSPORTATION
BOX CULVERT EXTENSION
AT STA. 734+00.95
 FAP ROUTE 95 (IL RTE. 33)
 SECTION 15.61Y.RS-2.6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 09/18/02

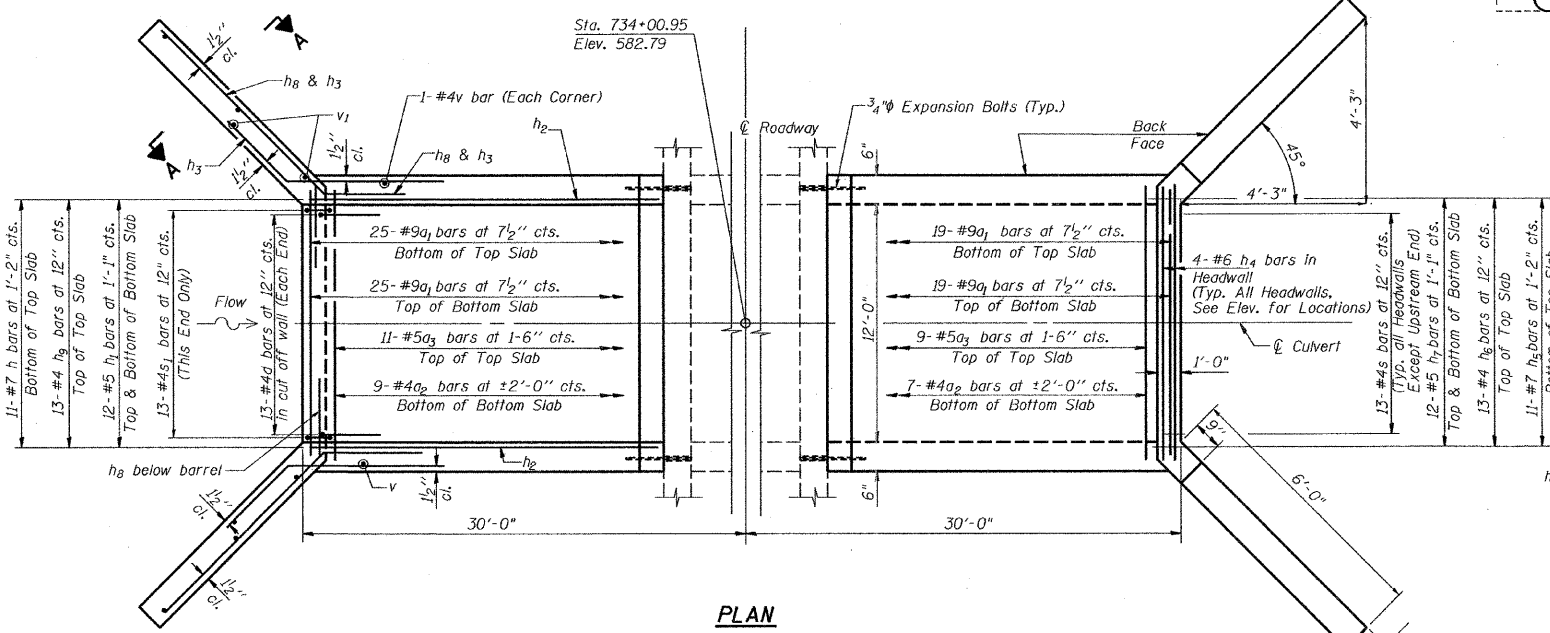
DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: SANFORD

COMPUTER FILE NO. _____
 DETAILS-2 - 50
 PROJECT 01256
 2/26/10-FAY

GREENE & BRADFORD, INC.
 OF ENGINEERS
 1000 N. WASHINGTON ST., SUITE 200
 DECATUR, ILLINOIS 62521
 PHONE: 262-2222 FAX: 262-2223
 WWW: WWW.GREENE-AND-BRADFORD.COM

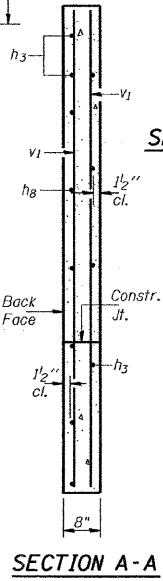
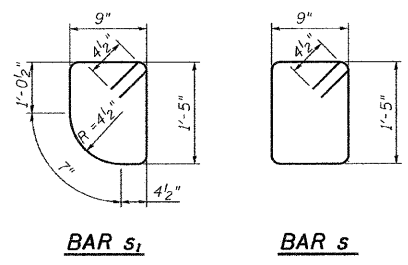


Note:
 Expansion Bolts shall be 3/4" hooked bolts.
 Hooked bolts shall extend a minimum of 9"
 into new concrete.



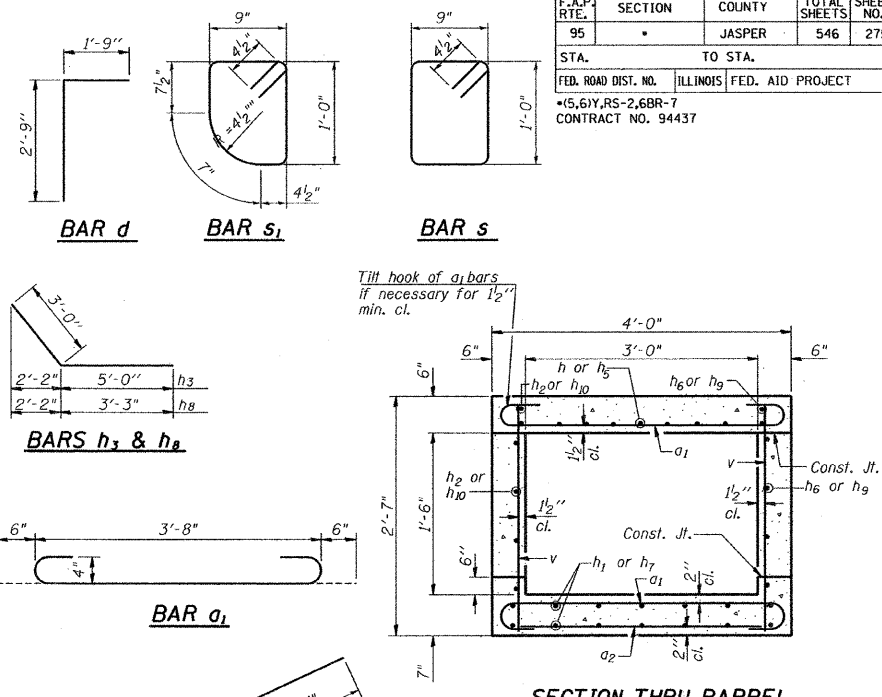
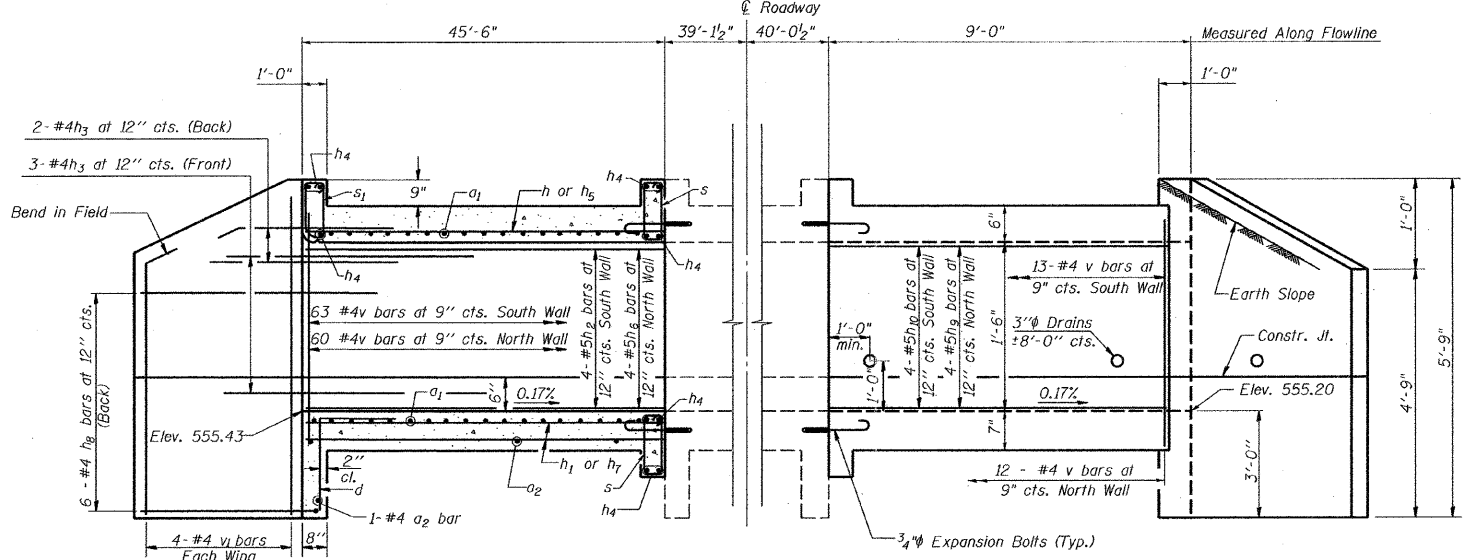
NOTES

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
 Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
 All construction joints shall be bonded.
 Plan dimensions and details relative to existing plans 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.



DESIGN		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	275
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*15.61YRS-2.6BR-7				
CONTRACT NO. 94437				

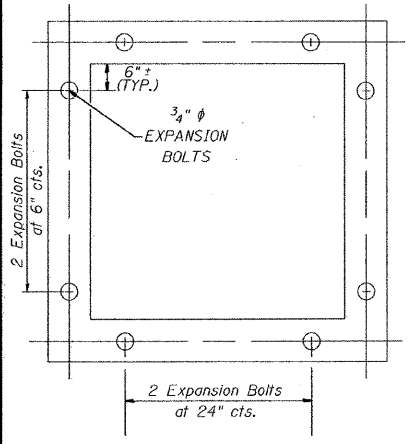


BARS $h_1, h_2, h_5, h_6, h_7, h_9, h_{10}$

h_9	7'-3"	11"
h_5, h_7, h_{10}	7'-10"	10"
h_6	43'-7"	1'-6"
h_1, h_2	44'-3"	1'-6"

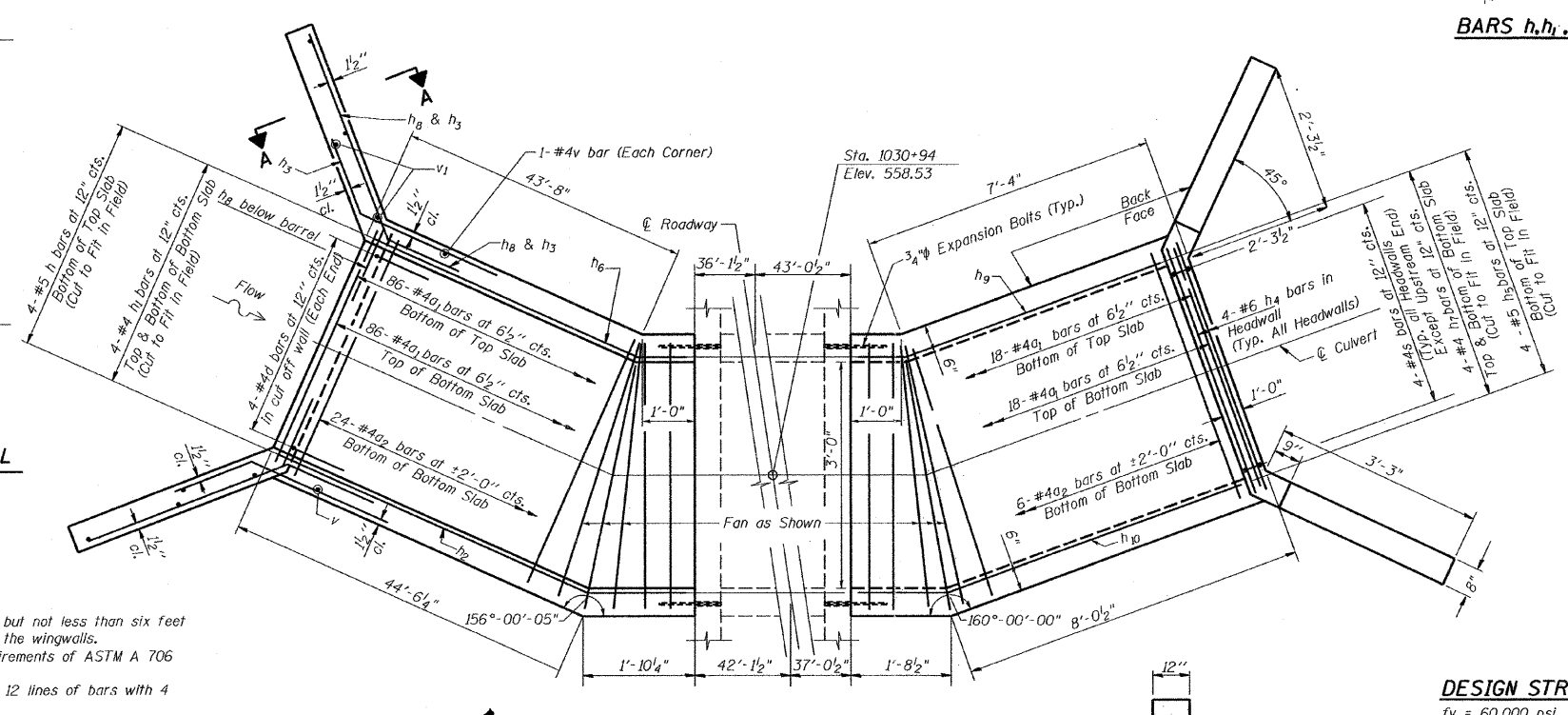
BILL OF MATERIAL STA. 1030+94

Bar	No.	Size	Length	Shape
a_1	208	#4	4'-8"	U
a_2	32	#4	3'-9"	U
d	8	#4	4'-6"	U
h	4	#5	45'-9"	U
h_1	8	#4	45'-9"	U
h_2	5	#5	45'-9"	U
h_3	20	#4	8'-0"	U
h_4	24	#6	3'-9"	U
h_5	4	#5	9'-4"	U
h_6	5	#5	44'-5"	U
h_7	8	#4	9'-4"	U
h_8	24	#4	6'-3"	U
h_9	5	#5	8'-2"	U
h_{10}	5	#5	9'-4"	U
s	20	#4	4'-3"	U
s_1	4	#4	4'-1"	U
v	152	#4	2'-4"	U
v_1	16	#4	5'-6"	U
Concrete Box Culverts		Cu. Yd.	14.7	
Reinforcement Bars		Pound	2,550	
Expansion Bolts - $\frac{3}{4}$ "		Each	16	



CROSS SECTION THRU BARREL

Note:
Expansion Bolts shall be $\frac{3}{4}$ " hooked bolts.
Hooked bolts shall extend a minimum of 9"
into new concrete.



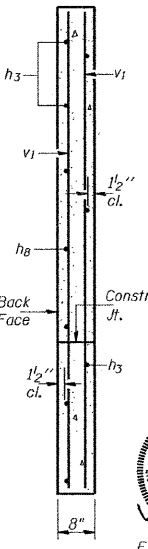
PLAN

NOTES
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
Bars indicated thus 12 x 4 - #5 etc. indicates 12 lines of bars with 4 lengths per line.
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DESIGN STRESSES
 $f_y = 60,000$ psi
 $f'_c = 3,500$ psi
LOADING HS 20-44



SECTION THRU HEADWALL
(Up Stream End Only)



SECTION A-A

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BOX CULVERT EXTENSION
AT STA. 1030+94
FAP ROUTE 95 (IL RTE. 33)
SECTION 15.61YRS-2.6BR-7
JASPER COUNTY

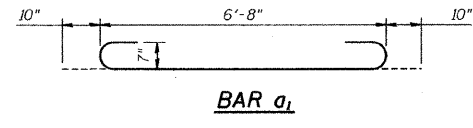
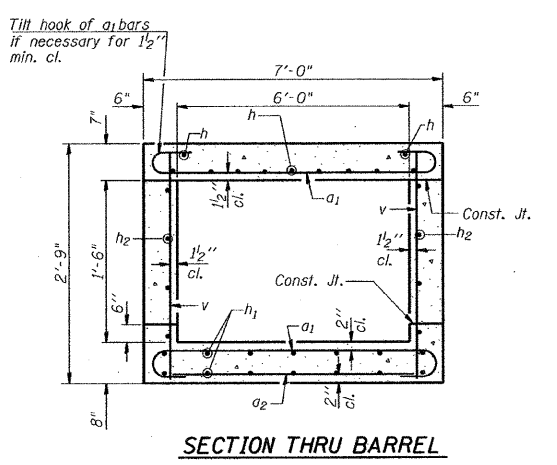
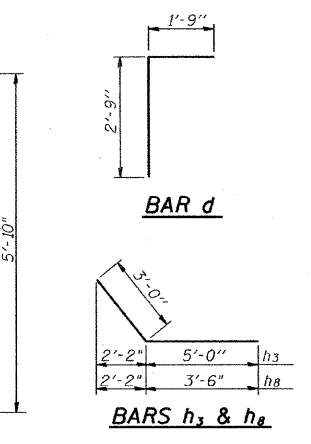
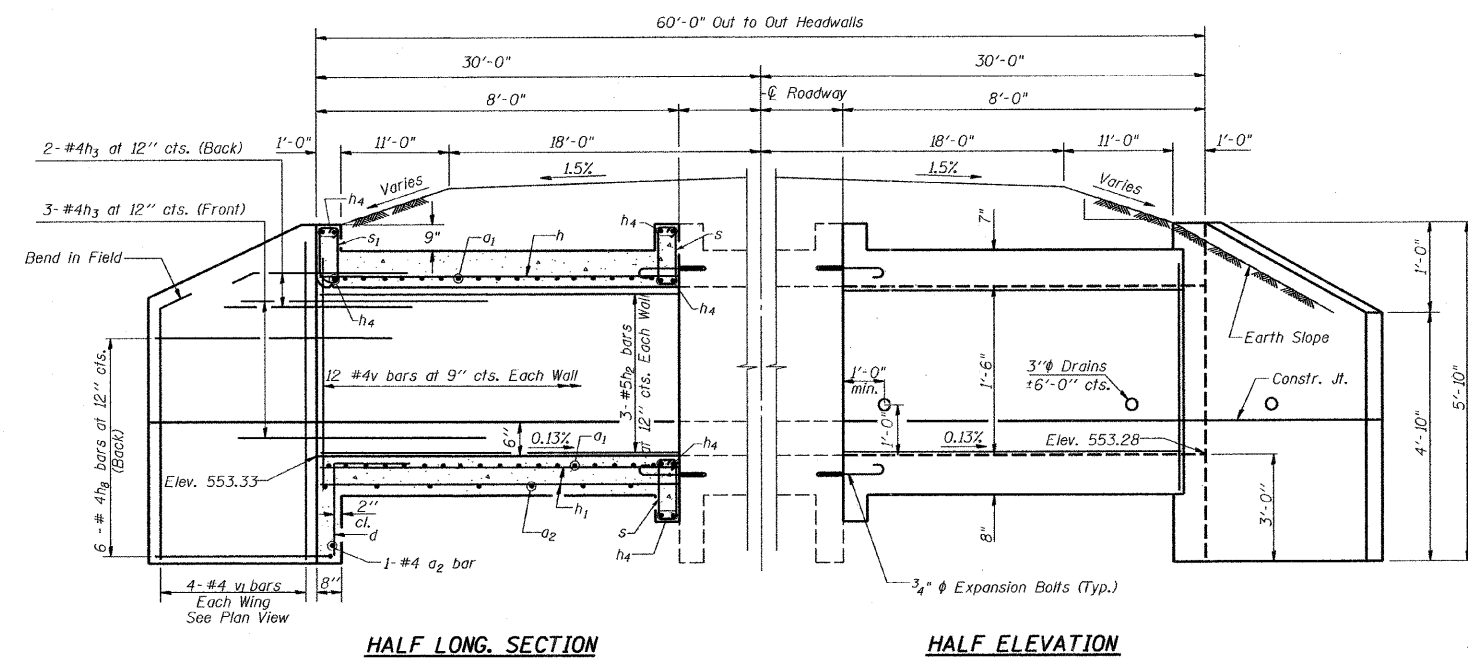
SCALE: VERT. DRAWN BY: JAMESON	COMPUTER FILE NO. DETAILS-4 - 50
HORIZ. DESIGNED BY: COLBROOK	
DATE: 09/18/02 CHECKED BY: SANFORD	
GREENE & BRADFORD, INC. ENGINEERS & ARCHITECTS 215 S. WASHINGTON ST., JASPER, MO. 64503 PHONE: 816.224.8800 FAX: 816.224.1000 www.greenegroup.com	
PROJECT 01256	
2/26/10-FAV	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	276
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*15,61Y,RS-2,6BR-7		CONTRACT NO. 94437		

DESIGN		
INT.	DATE	REASON

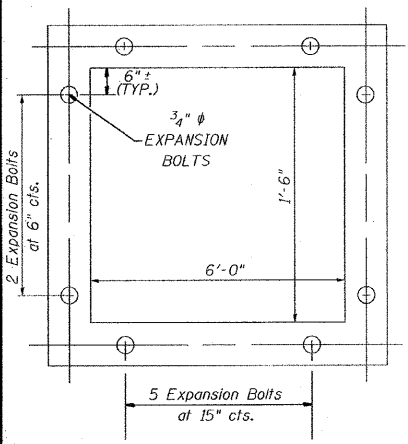
PLOTS & CHECKS		
INT.	DATE	REASON

CHECKS		
INT.	DATE	REASON



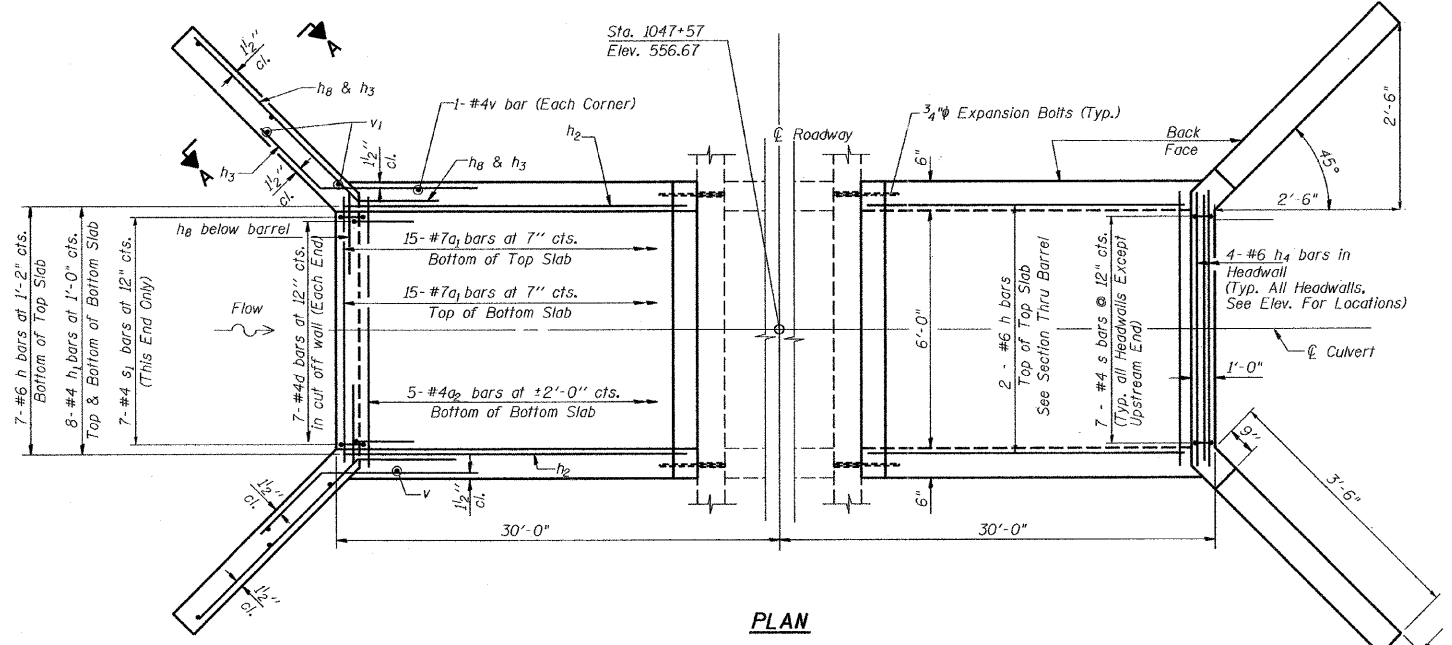
BILL OF MATERIAL STA. 1047+57

Bar	No.	Size	Length	Shape
a1	60	#7	8'-4"	[hook]
a2	12	#4	6'-9"	[hook]
d	14	#4	4'-6"	[hook]
h	18	#6	7'-9"	[hook]
h1	32	#4	7'-9"	[hook]
h2	12	#5	7'-9"	[hook]
h3	20	#4	8'-0"	[hook]
h4	24	#6	6'-9"	[hook]
h5	24	#4	6'-6"	[hook]
s	35	#4	4'-5"	[hook]
s1	7	#4	4'-3"	[hook]
v	52	#4	2'-6"	[hook]
v1	16	#4	5'-7"	[hook]
Concrete Box Culverts		Cu. Yd.	10.0	
Reinforcement Bars		Pound	2,310	
Expansion Bolts 1/2" x 1/2"		Each	28	



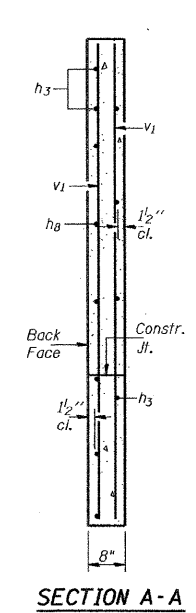
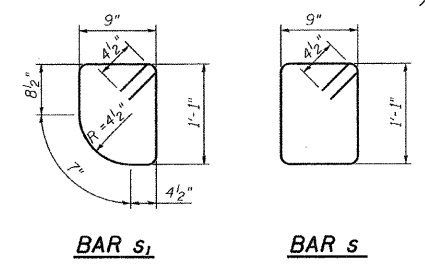
CROSS SECTION THRU BARREL

Note:
Expansion Bolts shall be 3/4" hooked bolts.
Hooked bolts shall extend a minimum of 9"
into new concrete.



NOTES

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
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SECTION THRU HEADWALL (Up Stream End Only)

DESIGN STRESSES

fy = 60,000 psi
f'c = 3,500 psi

LOADING HS 20-44

REVISIONS	
NAME	DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION
BOX CULVERT EXTENSION
AT STA. 1047+57
FAP ROUTE 95 (IL RTE. 33)
SECTION 15,61Y,RS-2,6BR-7
JASPER COUNTY

VERT. SCALE: HORIZ. DATE: 09/18/02
DRAWN BY: JAMESON
DESIGNED BY: COLBROOK
CHECKED BY: SANFORD

GREENE & BRADFORD, INC.
ENGINEERS AND ARCHITECTS
1100 N. W. 10th St., Ft. Lauderdale, FL 33304
Tel: 954-525-1100 Fax: 954-525-1101

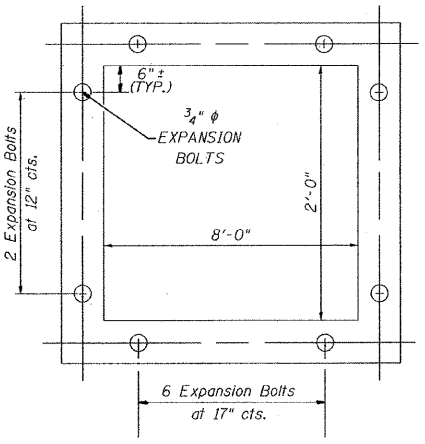
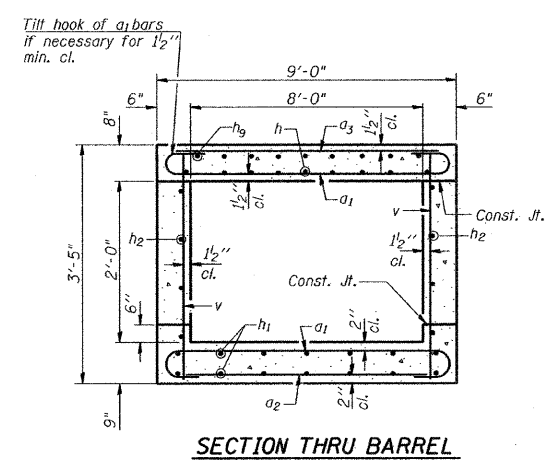
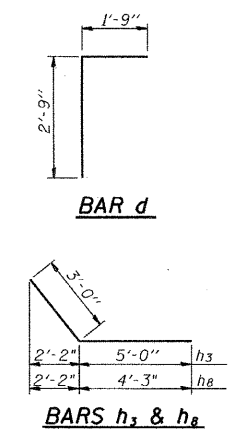
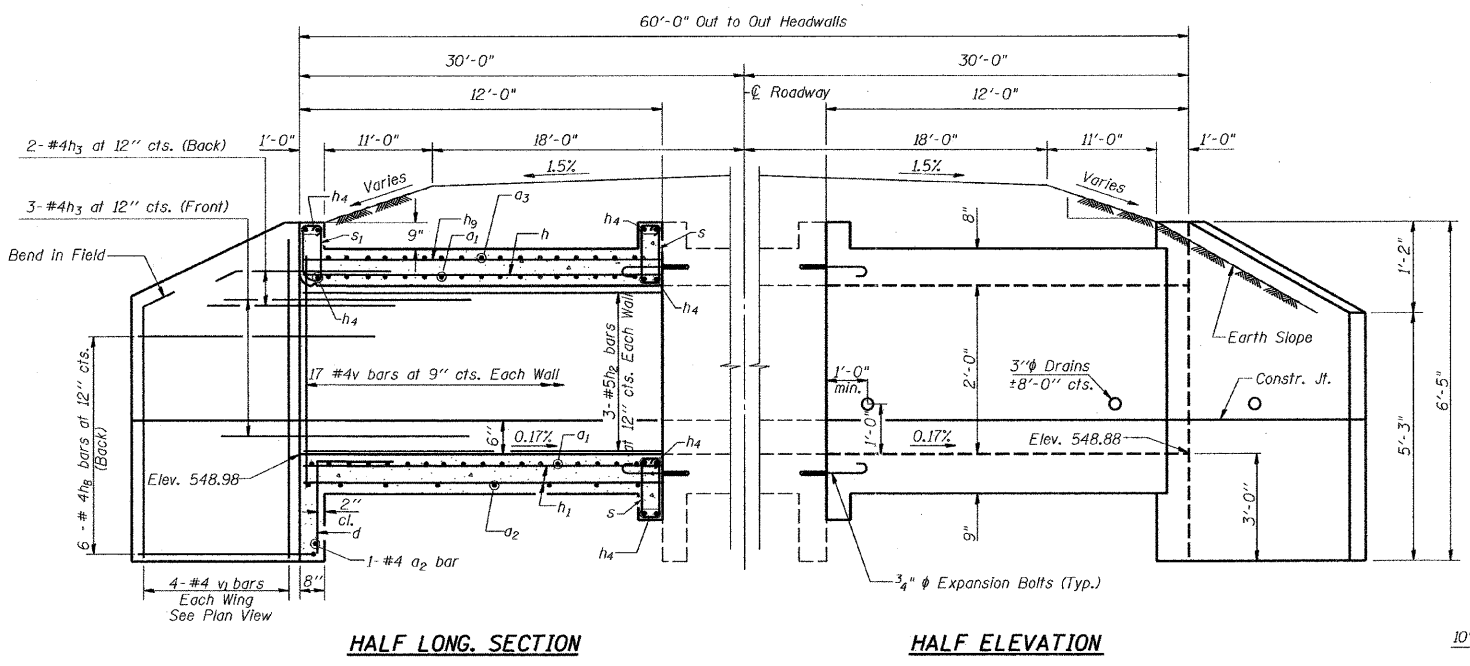
COMPUTER FILE NO. DETAILS-3 - 50
PROJECT 01256
2/26/10-FAV

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	277
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
*15,61Y,RS-2,6BR-7				
CONTRACT NO. 94437				

DESIGN		
INT.	DATE	REASON

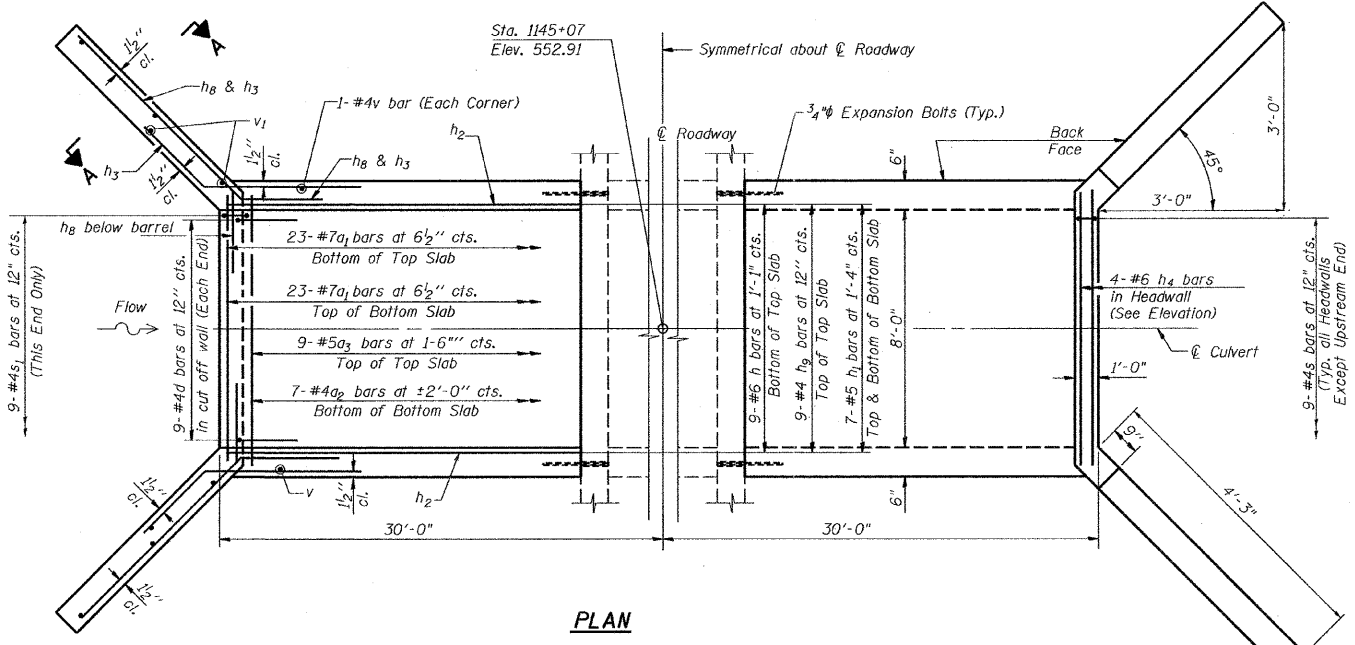
PLOTS & CHECKS		
INT.	DATE	REASON

CHECKS		
INT.	DATE	REASON



CROSS SECTION THRU BARREL

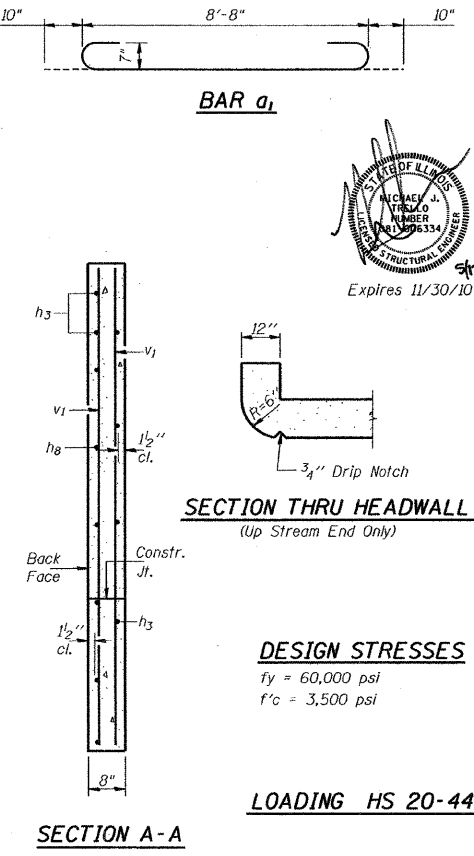
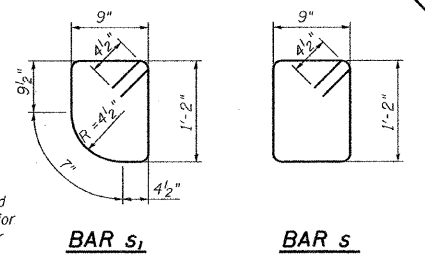
Note:
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Hooked bolts shall extend a minimum of 9"
into new concrete.



PLAN

NOTES

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
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SECTION THRU HEADWALL (Up Stream End Only)

DESIGN STRESSES
fy = 60,000 psi
f'c = 3,500 psi

LOADING HS 20-44

BILL OF MATERIAL STA. 1145+07

Bar	No.	Size	Length	Shape	
a1	92	#7	10'-4"	U	
a2	16	#4	8'-9"	U	
a3	18	#5	8'-9"	U	
d	18	#4	4'-6"	L	
h	18	#6	11'-9"	U	
h1	28	#5	11'-9"	U	
h2	12	#5	11'-9"	U	
h3	20	#4	8'-0"	U	
h4	24	#6	8'-9"	U	
h8	24	#4	7'-3"	U	
h9	18	#4	11'-9"	U	
s	45	#4	4'-7"	U	
s1	9	#4	4'-5"	U	
v	72	#4	3'-1"	U	
v1	16	#4	6'-2"	U	
Concrete Box Culverts				Cu. Yd.	18.2
Reinforcement Bars				Pound	4,120
Expansion Bolts 3/4 Inch				Each	32



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BOX CULVERT EXTENSION AT STA. 1145+07
FAP ROUTE 95 (IL RTE. 33)
SECTION 15,61Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE: 09/18/02

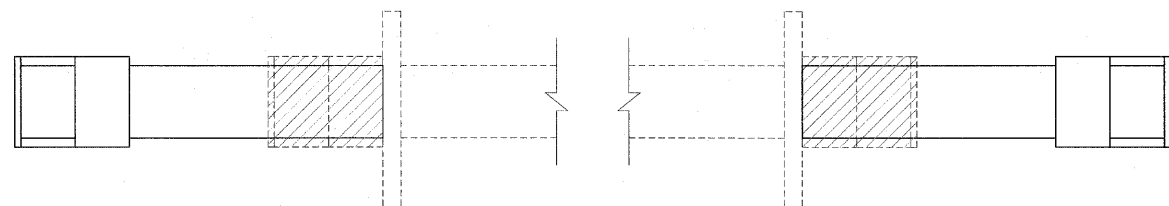
DRAWN BY: JAMESON
DESIGNED BY: COLBROOK
CHECKED BY: SANFORD

COMPUTER FILE NO. _____
DETAILS-1 - 50
PROJECT 01256
2/26/10-FAV

GREENE & BRADFORD, INC.
OF BRADFORD
1001 N. STATE ST., BRADFORD, IL 62501
TEL: 618-438-1000 FAX: 618-438-1001

DESIGN		
INT.	DATE	REASON

CULVERT NO. 1
STA. 714+32.70
EXISTING 4' X 2' RC BOX CULVERT
0° SKEW



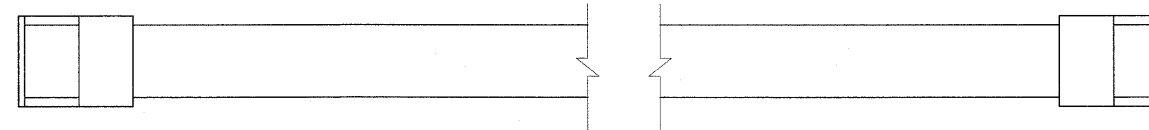
LEFT

PRECAST CONCRETE BOX CULVERT 4' X 2' - 14 FOOT
BOX CULVERT END SECTION, CULVERT NO. 1 - 1 EACH
REMOVAL OF EXISTING STRUCTURES NO. 1 - 1/2 EACH
EXPANSION BOLTS - 3/4 INCH - 10 EACH
REINFORCEMENT BARS - 30 POUND
CONCRETE COLLAR - 0.39 CY
POROUS GRANULAR BEDDING - 3 CY
CUT - 12 CY
FILL - 3 CY
DESIGN FILL HEIGHT - < 2'

RIGHT

PRECAST CONCRETE BOX CULVERT 4' X 2' - 14 FOOT
BOX CULVERT END SECTION, CULVERT NO. 1 - 1 EACH
REMOVAL OF EXISTING STRUCTURES NO. 1 - 1/2 EACH
EXPANSION BOLTS - 3/4 INCH - 10 EACH
REINFORCEMENT BARS - 30 POUND
CONCRETE COLLAR - 0.39 CY
POROUS GRANULAR BEDDING - 3 CY
CUT - 26 CY
FILL - 7 CY
DESIGN FILL HEIGHT - < 2'

CULVERT NO. 4
STA. 766+50.00
0° SKEW

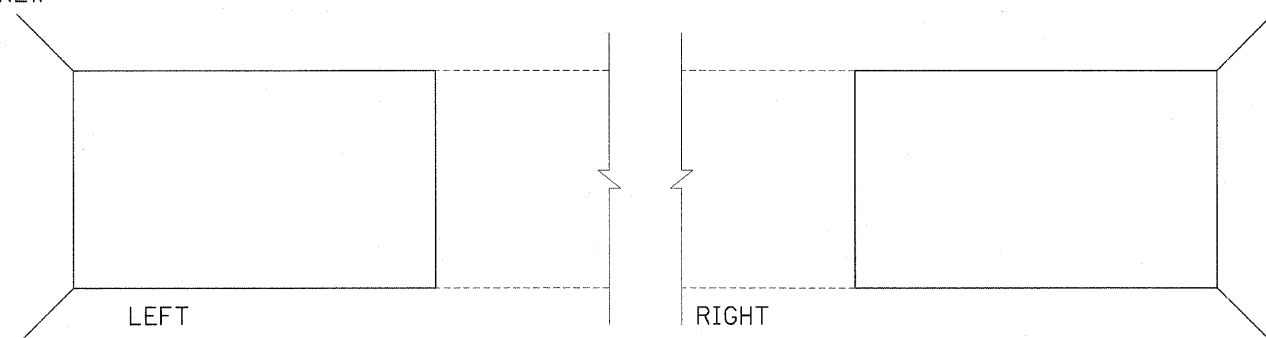


PRECAST CONCRETE BOX CULVERT 3' X 2' - 52 FOOT
BOX CULVERT END SECTION, CULVERT NO. 4 - 2 EACH
POROUS GRANULAR BEDDING - 3 CY
PAVEMENT PATCHING, TYPE II 14 INCH - 2 @ 11.6 SY
CUT - 25 CY
FILL - 3 CY
DESIGN FILL HEIGHT - < 2'

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	278
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(5,6)Y,RS-2,6BR-7				
CONTRACT NO. 94437				

PLOTS & CHECKS		
INT.	DATE	REASON

CULVERT NO. 2
STA. 734+00.95
EXISTING 12' X 3' RC BOX CULVERT
0° SKEW



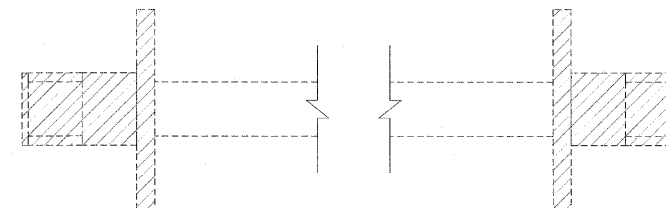
LEFT

CAST-IN-PLACE CONCRETE BOX CULVERT 12' X 3' - 19.3 CU. YD.
EXPANSION BOLTS - 3/4 INCH - 20 EACH
REINFORCEMENT BARS - 4,500 POUNDS
POROUS GRANULAR BEDDING - 5 CY
CUT - 13 CY
FILL - 14 CY
DESIGN FILL HEIGHT - < 2'

RIGHT

CAST-IN-PLACE CONCRETE BOX CULVERT 12' X 3' - 15.2 CU. YD.
EXPANSION BOLTS - 3/4 INCH - 20 EACH
REINFORCEMENT BARS - 3,550 POUNDS
POROUS GRANULAR BEDDING - 5 CY
CUT - 25 CY
FILL - 28 CY
DESIGN FILL HEIGHT - < 2'

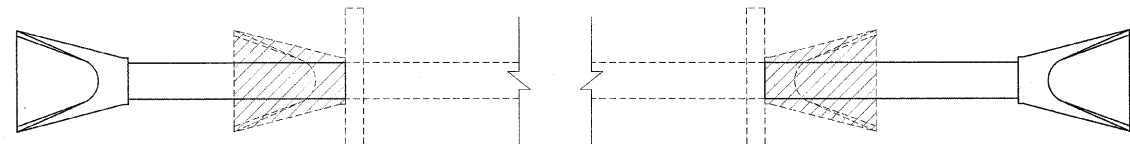
CULVERT NO. 5
STA. 766+97.29
EXISTING 3' X 2' RCBC
19° SKEW



REMOVAL OF EXISTING STRUCTURES NO. 2 - 1 EACH
FILLING EXISTING CULVERTS - 1 EACH

LEGEND
[Hatched Box] - EXISTING ITEMS TO BE REMOVED

CULVERT NO. 3
STA. 753+25.80
EXISTING 2' X 2' RC BOX CULVERT
WITH 30" RCCP EXTENSION
0° SKEW



LEFT

PIPE CULVERTS, CLASS A, TYPE 1 30" - 15 FOOT
PRC FLARED END SECTIONS 30" - 1 EACH
CONCRETE COLLAR - 0.47 CY
POROUS GRANULAR BEDDING - 1 CY
CUT - 8 CY
FILL - 3 CY
REMOVE EXISTING FLARED END SECTION - 1 EACH
EXPANSION BOLTS 3/4 INCH - 4 EACH

RIGHT

PIPE CULVERTS, CLASS A, TYPE 1 30" - 15 FOOT
PRC FLARED END SECTIONS 30" - 1 EACH
CONCRETE COLLAR - 0.47 CY
POROUS GRANULAR BEDDING - 1 CY
CUT - 9 CY
FILL - 4 CY
REMOVE EXISTING FLARED END SECTION - 1 EACH
EXPANSION BOLTS 3/4 INCH - 4 EACH

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT.
DATE: 09/16/02

DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

COMPUTER FILE NO.
CULV.DET.DGN-1

PROJECT 01256
2/26/10-FAV

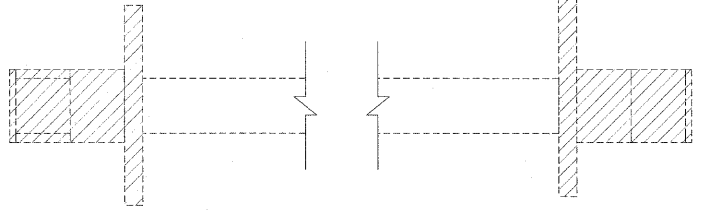
GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
OF SPRINGFIELD
ILLINOIS
PROFESSIONAL ENGINEERING FIRM NO. 0435
PROFESSIONAL ENGINEERING CORPORATION
1001 15th Street, 10th Floor, Springfield, IL 62761-1100
PH: 217-255-1400 FAX: 217-255-1401

CHECKS		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	279
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		*15,6Y,RS-2,6BR-7		
		CONTRACT NO. 94437		

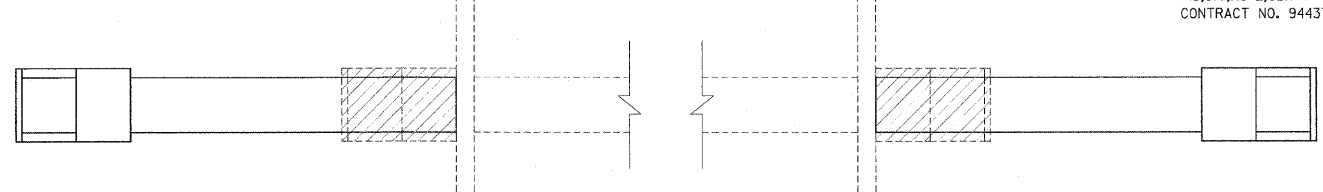
DESIGN		
INT.	DATE	REASON

CULVERT NO. 6
STA. 767+38.46
EXISTING 3'X2' RCBC
17° SKEW



- REMOVAL OF EXISTING STRUCTURES NO. 3 - 1 EACH
- FILLING EXISTING CULVERTS - 1 EACH

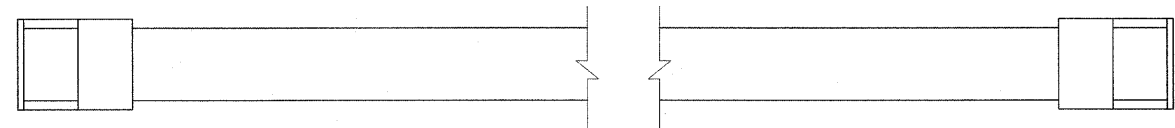
CULVERT NO. 9
STA. 810+48.58
EXISTING 3' X 1.5' RCBC
0° SKEW



- LEFT**
- REMOVAL OF EXISTING STRUCTURES NO. 4 - 1/2 EACH
 - PRECAST CONCRETE BOX CULVERT 3' X 2' - 18 FOOT
 - BOX CULVERT END SECTION, CULVERT NO. 9 - 1 EACH
 - EXPANSION BOLTS - 3/4 INCH - 8 EACH
 - REINFORCEMENT BARS - 27 POUNDS
 - CONCRETE COLLAR - 0.33 CY
 - POROUS GRANULAR BEDDING - 3 CY
 - CUT - 17 CY
 - FILL - 7 CY
 - DESIGN FILL HEIGHT - < 2'
- RIGHT**
- REMOVAL OF EXISTING STRUCTURES NO. 4 - 1/2 EACH
 - PRECAST CONCRETE BOX CULVERT 3' X 2' - 18 FOOT
 - BOX CULVERT END SECTION, CULVERT NO. 9 - 1 EACH
 - EXPANSION BOLTS - 3/4 INCH - 8 EACH
 - REINFORCEMENT BARS - 27 POUNDS
 - CONCRETE COLLAR - 0.33 CY
 - POROUS GRANULAR BEDDING - 3 CY
 - CUT - 15 CY
 - FILL - 12 CY
 - DESIGN FILL HEIGHT - < 2'

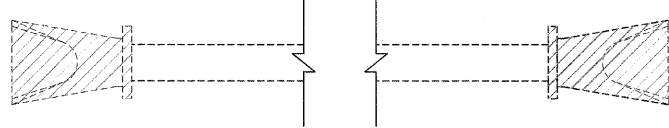
PLOTS & CHECKS			
INT.	DATE	NO.	REASON

CULVERT NO. 7
STA. 767+80.00
0° SKEW



- PRECAST CONCRETE BOX CULVERT 3' X 2' - 52 FOOT
- BOX CULVERT END SECTION NO. 7 - 2 EACH
- POROUS GRANULAR BEDDING - 3 CY
- PAVEMENT PATCHING, TYPE III 14 INCH - 2 @ 11.6 SY
- CUT - 27 CY
- FILL - 6 CY
- DESIGN FILL HEIGHT - < 2'

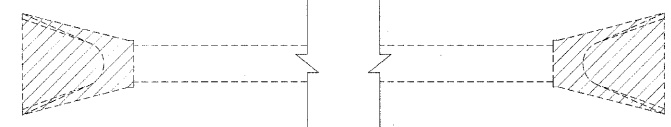
CULVERT NO. 10
STA. 865+33.80
EXISTING 2' X 1.5' PRC
0° SKEW



- CONCRETE HEADWALL REMOVAL - 2 EACH
- REMOVE EXISTING FLARED END SECTION - 2 EACH
- FILLING EXISTING CULVERTS - 1 EACH
- CUT - 2 CY
- FILL - 2 CY

LEGEND
 - EXISTING ITEMS TO BE REMOVED

CULVERT NO. 8
STA. 781+23.55
EXISTING 2' X 2' RCBC WITH 30" FLARED END SECTION
0° SKEW



- REMOVE EXISTING FLARED END SECTION - 2 EACH
- FILLING EXISTING CULVERTS - 1 EACH
- CUT - 2 CY

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. DRAWN BY: BISHOP
HORIZ. DESIGNED BY: COLBROOK
DATE: 09/16/02 CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
PROFESSIONAL ENGINEERING CORPORATION
OFFICE: 100 W. STATE ST., SUITE 1000, CHICAGO, IL 60601

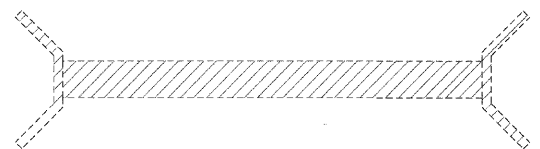
COMPUTER FILE NO. PROJECT 01256
CULV_DET.DGN-2 2/26/10-FAV

REVISIONS	
NAME	DATE

CHECKS		
INT.	DATE	REASON

DESIGN		
INT.	DATE	REASON

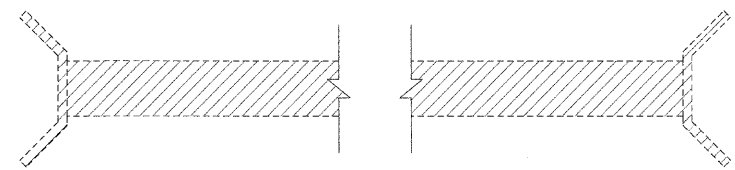
CULVERT NO. 11A
 STA. 71+51
 EXISTING 2' X 2' RCBC



REMOVAL OF EXISTING STRUCTURES NO. 5 - 1 EACH
 TRENCH BACKFILL - 10 CY

380E/1300N (T.R. 155)

CULVERT NO. 13
 STA. 881+50.00
 EXISTING 3' X 1.5' RCBC
 33° SKEW



REMOVAL OF EXISTING STRUCTURES NO. 6 - 1 EACH
 CUT - 1 CY
 FILL - 2 CY

GILA ROAD (FAS 703/CH 21)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	280

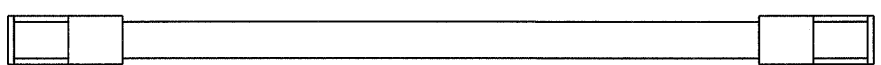
STA.	TO STA.

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
*15,61Y,RS-2,6BR-7		

CONTRACT NO. 94437

PLOTS & CHECKS		
INT.	DATE	REASON

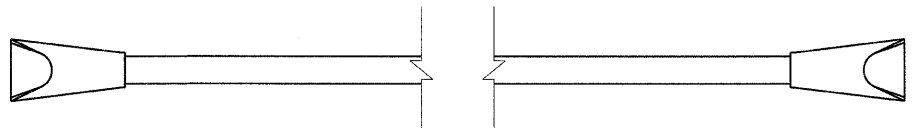
CULVERT NO. 11B
 STA. 71+67.64
 EXISTING 2' X 2' RCBC



PRECAST CONCRETE BOX CULVERT 2' X 2' - 54 FOOT
 BOX CULVERT END SECTION CULVERT NO. 11 - 2 EACH
 CUT - 6 CY
 FILL - 3 CY
 DESIGN FILL HEIGHT - < 2'

380E/1300N (T.R. 155)

CULVERT NO. 14
 STA. 882+00.00, 37' RT.
 30° SKEW

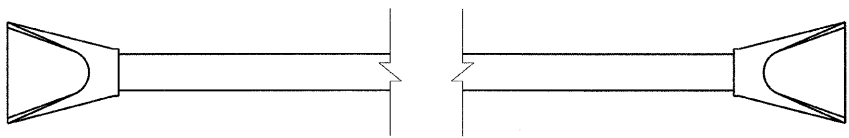


PIPE CULVERTS, CLASS A, TYPE 1 24" - 78 FOOT
 PRC FLARED END SECTIONS 24" - 2 EACH
 TRENCH BACKFILL - 13 CY
 POROUS GRANULAR BEDDING - 4 CY
 CUT - 39 CY
 FILL - 16 CY

400E (T.R. 56)

CHECKS		
INT.	DATE	REASON

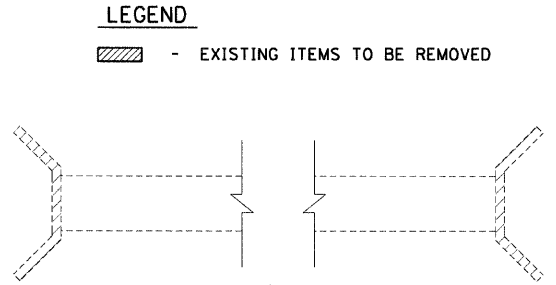
CULVERT NO. 12
 STA. 881+46.00, 36' LT.
 33° SKEW



PIPE CULVERTS, CLASS A, TYPE 1 - 62 FOOT
 EQUIVALENT ROUND-SIZE 36" - 2 EACH
 PRC FLARED END SECTIONS - 2 EACH
 EQUIVALENT ROUND-SIZE 36" GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 36" - 2 EACH
 TRENCH BACKFILL - 17 CY
 POROUS GRANULAR BEDDING - 5 CY
 CUT - 36 CY
 FILL - 10 CY

GILA ROAD (FAS 703/CH 21)

CULVERT NO. 15
 STA. 882+07.00
 EXISTING 3' X 1.5' RCBC
 32° SKEW



CONCRETE HEADWALL REMOVAL - 2 EACH
 FILLING EXISTING CULVERT - 1 EACH
 CUT - 2 CY
 FILL - 6 CY

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS

FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 09/16/02

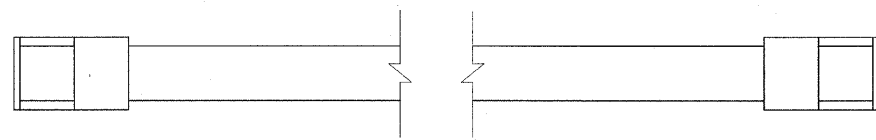
DRAWN BY: BISHOP
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 CONSULTING ENGINEERS
 PROFESSIONAL ENGINEERING FIRM
 420 N. 11TH ST., SPRINGFIELD, ILL. 62761
 (618) 792-8844, (618) 792-9277 FAX: (618) 792-8844

COMPUTER FILE NO.
 CULV_DET.DGN-3
 PROJECT 01256
 2/26/10-FAV

DESIGN		
INT.	DATE	REASON

CULVERT NO. 16
STA. 882+50.00
0° SKEW



- PRECAST CONCRETE BOX CULVERT 3' X 2' - 60 FOOT
- BOX CULVERT END SECTION, CULVERT NO. 16 - 2 EACH
- POROUS GRANULAR BEDDING - 9 CY
- PAVEMENT PATCHING, TYPE II 14 INCH - 2 @ 11.6 SY
- CUT - 93 CY
- FILL - 26 CY
- DESIGN FILL HEIGHT - < 2'

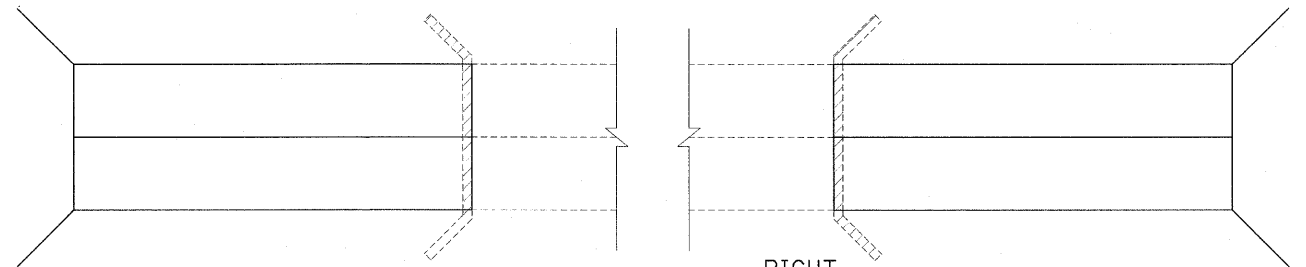
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	281

STA. TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

*15.6Y,RS-2,6BR-7
CONTRACT NO. 94437

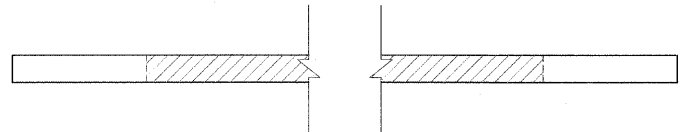
CULVERT NO. 19
STA. 917+44.52
EXISTING DOUBLE 8'-1" X 2' RCBC



- | | | |
|----------------------------|---|--------------|
| LEFT | | |
| CONCRETE BOX CULVERT | - | 15.7 CU. YD. |
| CONCRETE REMOVAL | - | 1.65 CU. YD. |
| EXPANSION BOLTS - 3/4 INCH | - | 30 EACH |
| REINFORCEMENT BARS | - | 3,615 POUNDS |
| POROUS GRANULAR BEDDING | - | 4 CY |
| CUT | - | 14 CY |
| FILL | - | 12 CY |
- | | | |
|---|---|--------------|
| RIGHT | | |
| CONCRETE BOX CULVERT | - | 15.7 CU. YD. |
| CONCRETE REMOVAL | - | 1.65 CU. YD. |
| EXPANSION BOLTS - 3/4 INCH | - | 30 EACH |
| REINFORCEMENT BARS | - | 3,615 POUNDS |
| POROUS GRANULAR BEDDING | - | 4 CY |
| CUT | - | 22 CY |
| FILL | - | 12 CY |
| REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS FOR STRUCTURES | - | 10 CY |
| ROCK FILL - REPLACEMENT | - | 20 TON |

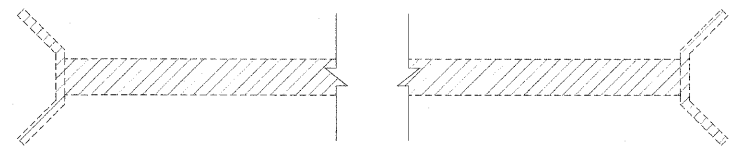
PLOTS & CHECKS		
INT.	DATE	REASON

CULVERT NO. 17
STA. 79+03
EXISTING PIPE CULVERT
31° SKEW



- PIPE CULVERTS, CLASS A, TYPE 1 18" - 62 FOOT
- PIPE CULVERT REMOVAL - 28 FOOT
- TRENCH BACKFILL - 9 CY
- CUT - 15 CY
- FILL - 7 CY

CULVERT NO. 20
STA. 944+98, 21.41' LT.
EXISTING 2' X 1.5' RC BOX

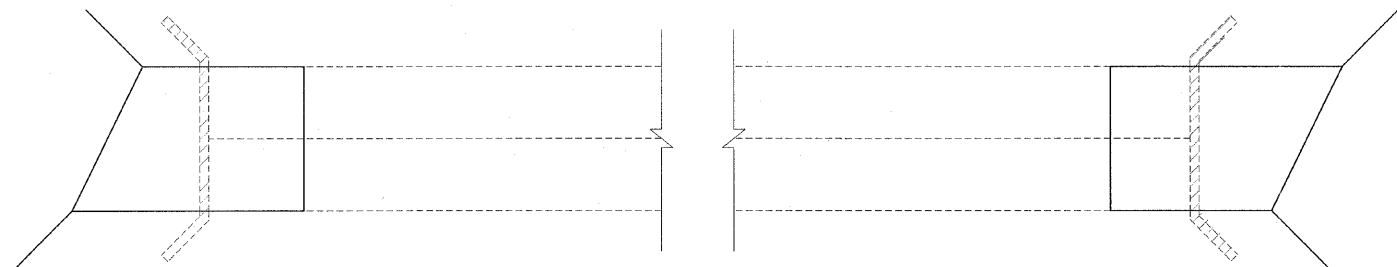


- REMOVAL OF EXISTING STRUCTURES NO. 9 - 1 EACH
- CUT - 6 CY

400E (T.R. 56)

C.I.P.S. ROAD/500E

CULVERT NO. 18
STA. 908+36.56



- | | | |
|----------------------------|---|--------------|
| LEFT | | |
| CONCRETE REMOVAL | - | 4.2 CU. YD. |
| EXPANSION BOLTS - 3/4 INCH | - | 30 EACH |
| CONCRETE BOX CULVERTS | - | 20.4 CU YD. |
| REINFORCEMENT BARS | - | 6,055 POUNDS |
| POROUS GRANULAR BEDDING | - | 2.5 CY |
| CUT | - | 21 CY |
| FILL | - | 3 CY |
- | | | |
|----------------------------|---|--------------|
| RIGHT | | |
| CONCRETE REMOVAL | - | 4.2 CU. YD. |
| EXPANSION BOLTS - 3/4 INCH | - | 30 EACH |
| CONCRETE BOX CULVERTS | - | 20.4 CU YD. |
| REINFORCEMENT BARS | - | 6,055 POUNDS |
| POROUS GRANULAR BEDDING | - | 2.5 CY |
| CUT | - | 21 CY |
| FILL | - | 3 CY |
| NAME PLATE | - | 1 EACH |

LEGEND
[Hatched Box] - EXISTING ITEMS TO BE REMOVED

CHECKS		
INT.	DATE	REASON

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE: 09/16/02

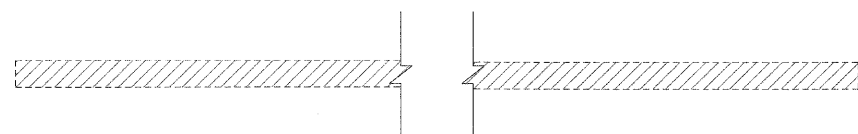
DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

COMPUTER FILE NO. _____
PROJECT 01256
2/26/10-FAV

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
PROFESSIONAL ENGINEER NO. 044-001019
PRACTICING OFFICE: 1101 N. ZEPHYRUS AVENUE
SPRINGFIELD, IL 62761-3227
TEL: 217-223-8200 FAX: 217-223-8201
WWW.GREENE-AND-BRADFORD.COM

DESIGN		
INT.	DATE	REASON

CULVERT NO. 21
STA. 89+50, LT. (CIPS ROAD/500E)
EXISTING 18" CMP



PIPE CULVERT REMOVAL - 59 FOOT
CUT - 5 CY
FILL - 25 CY

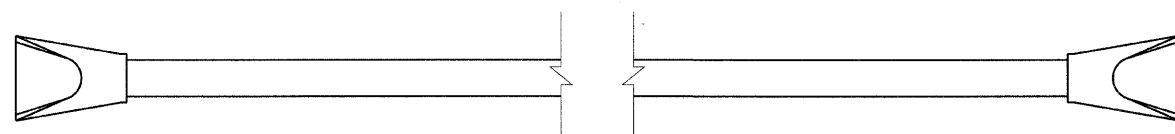
C.I.P.S. ROAD/500E

CULVERT NO. 24
DELETED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	282
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(5,6)Y,RS-2,6BR-7				
CONTRACT NO. 94437				

PLOTS & CHECKS		
INT.	DATE	REASON

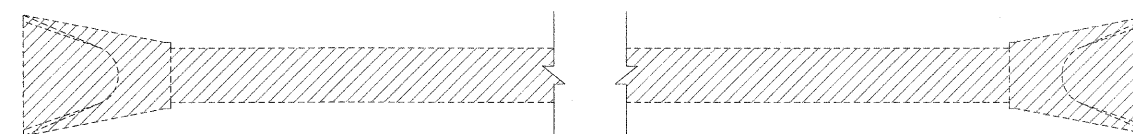
CULVERT NO. 22
STA. 946+13.00, 53' LT.
15° SKEW



PIPE CULVERTS, CLASS A, TYPE 1 24" - 60 FOOT
PRC FLARED END SECTIONS 24" - 2 EACH
TRENCH BACKFILL - 12 CY
POROUS GRANULAR BEDDING - 4 CY
CUT - 50 CY
FILL - 10 CY

C.I.P.S. ROAD/500E

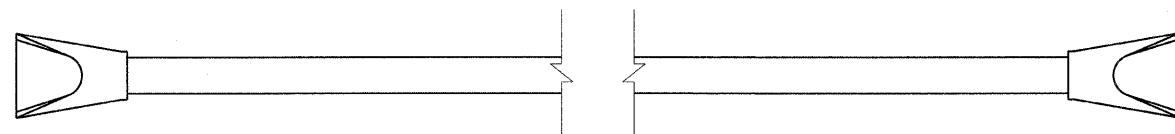
CULVERT NO. 25
STA. 979+53
EXISTING 36" RCP
53° SKEW



PIPE CULVERT REMOVAL - 52 FOOT
CUT - 5 CY

1200E (TR 173C)

CULVERT NO. 23
STA. 946+31, 38.5' RT.
5° SKEW



PIPE CULVERTS, CLASS A, TYPE 1 24" - 168 FOOT
PRC FLARED END SECTIONS 24" - 2 EACH
TRENCH BACKFILL - 45 CY
POROUS GRANULAR BEDDING - 12 CY
CUT - 163 CY
FILL - 65 CY

C.I.P.S. ROAD/500E

LEGEND

- EXISTING ITEMS TO BE REMOVED

CHECKS		
INT.	DATE	REASON

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE: 09/16/02

DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
JASPER COUNTY, ILLINOIS

COMPUTER FILE NO.
CULV_DET.DGN-5

PROJECT 01256
2/26/10-FAV

DESIGN		
INT.	DATE	REASON

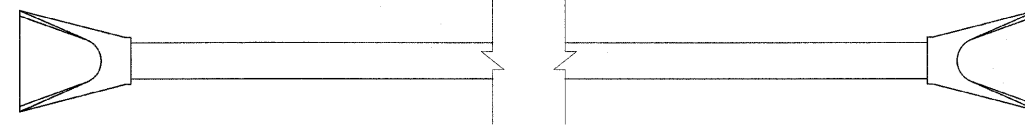
CULVERT NO. 26
DELETED

CULVERT NO. 29
STA. 1008+00
0° SKEW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	283

STA. _____ TO STA. _____

FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT
*15,61Y,RS-2,6BR-7
CONTRACT NO. 94437

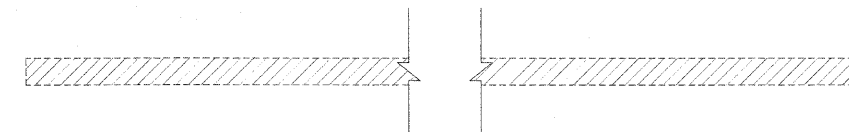


- PIPE CULVERTS, CLASS A, TYPE 1 24" - 46 FOOT
- PRC FLARED END SECTIONS 24" - 2 EACH
- TRENCH BACKFILL - 5 CY
- POROUS GRANULAR BEDDING - 2 CY
- PAVEMENT PATCHING, TYPE II 14 INCH - 2 @ 5.8 SY
- CUT - 46 CY
- FILL - 4 CY
- DESIGN FILL HEIGHT - < 2'

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

CULVERT NO. 27
DELETED

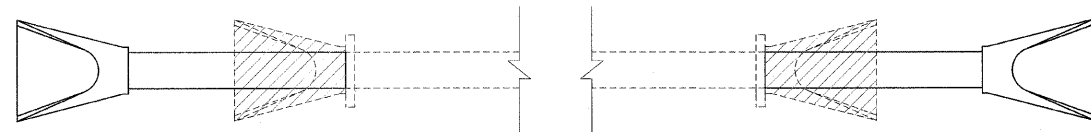
CULVERT NO. 30
STA. 1008+89, 52' LT.
EXISTING 18" CMP
0° SKEW



- PIPE CULVERT REMOVAL - 28 FOOT
- TRENCH BACKFILL - 3 CY
- CUT - 3 CY
- FILL - 10 CY

600E/1800N (T.R. 84)

CULVERT NO. 28
STA. 1003+60
EXISTING 2' X 1.5' PRC
0° SKEW



LEGEND
 - EXISTING ITEMS TO BE REMOVED

LEFT

- PIPE CULVERTS, CLASS A, TYPE 1 24" - 12 FOOT
- PRC FLARED END SECTIONS 24" - 1 EACH
- REMOVE EXISTING FLARED END SECTION - 1 EACH
- EXPANSION BOLTS - 3/4 INCH - 4 EACH
- CONCRETE COLLAR - 0.40 CY
- POROUS GRANULAR BEDDING - 1 CY
- CUT - 5 CY
- FILL - 3 CY
- DESIGN FILL HEIGHT - < 2'

RIGHT

- PIPE CULVERTS, CLASS A, TYPE 1 24" - 12 FOOT
- PRC FLARED END SECTIONS 24" - 1 EACH
- REMOVE EXISTING FLARED END SECTION - 1 EACH
- EXPANSION BOLTS - 3/4 INCH - 4 EACH
- CONCRETE COLLAR - 0.40 CY
- POROUS GRANULAR BEDDING - 1 CY
- CUT - 7 CY
- FILL - 3 CY
- DESIGN FILL HEIGHT - < 2'

CHECKS		
INT.	DATE	REASON

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE: 09/16/02

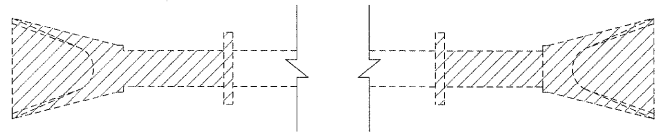
DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

COMPUTER FILE NO. _____
CULV_DET.DGN-6
PROJECT 01256
2/26/10-FAV

GREENE & BRADFORD, INC.
OF SPRINGFIELD
REGISTERED PROFESSIONAL ENGINEER
NO. 00121078
PROFESSIONAL DESIGN FIRM LICENSE NO. 00121078
PROFESSIONAL DESIGN FIRM LICENSE NO. 00121078
001-702-5494, 001-702-5497, 001-702-5498 • www.greenebradford.com

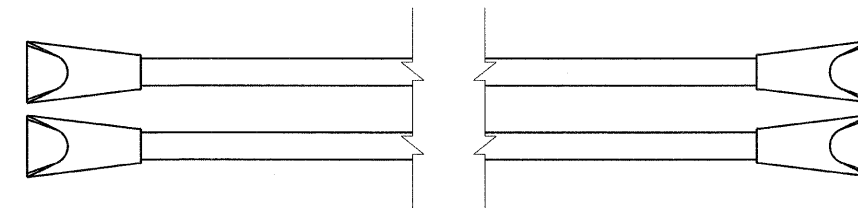
DESIGN		
INT.	DATE	REASON

CULVERT NO. 31
STA. 1009+02.07
EXISTING 2' X 1.5' PRC
31° SKEW



- REMOVAL OF EXISTING STRUCTURE NO. 20 - 1 EACH
FILLING EXISTING CULVERT - 1 EACH
CUT - 2 CY

CULVERT NO. 34
STA. 1031+86.8, 35.7' LT.
58° SKEW



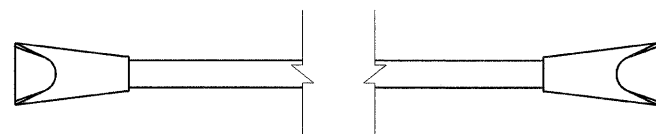
- TWIN PIPE CULVERTS, CLASS A, TYPE 1 - 2 @ 84 FOOT
EQUIVALENT ROUND-SIZE 24" PRC FLARED END SECTIONS - 4 EACH
TRENCH BACKFILL EQUIVALENT ROUND-SIZE 24" - 18 CY
POROUS GRANULAR BEDDING - 4 CY
CUT - 18 CY
FILL - 8 CY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	284
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*15,61Y,RS-2,6BR-7		CONTRACT NO. 94437		

1150N (T.R. 181)

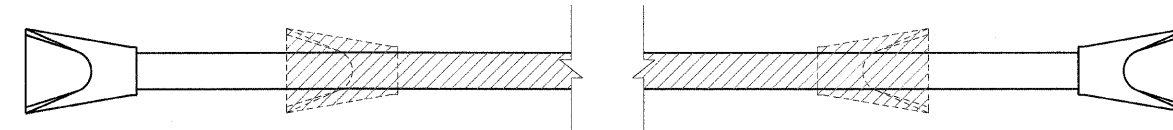
PLOTS & CHECKS		
INT.	DATE	REASON

CULVERT NO. 32
STA. 1009+55, 35' RT.



- PIPE CULVERTS, CLASS A, TYPE 1 24" - 90 FOOT
PRC FLARED END SECTIONS 24" - 2 EACH
TRENCH BACKFILL - 15 CY
CUT - 35 CY

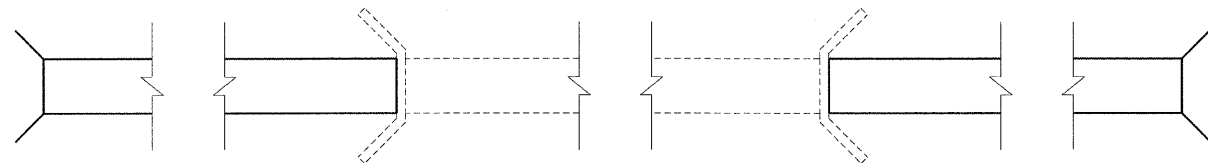
CULVERT NO. 35
STA. 118+10 (1150N-T.R. 181)
57° SKEW



- PIPE CULVERTS, CLASS A, TYPE 1 24" - 66 FOOT
PRC FLARED END SECTIONS 24" - 2 EACH
PIPE CULVERT REMOVAL - 48 FOOT
TRENCH BACKFILL - 2 CY
POROUS GRANULAR BEDDING - 11 CY
CUT - 11 CY
FILL - 8 CY

1150N (T.R. 181)

CULVERT NO. 33
STA. 1030+94
EXISTING 3' X 1.5' PRC
57° SKEW



LEFT

- CONCRETE BOX CULVERT 3' x 1.5' - 7.35 CU. YD.
EXPANSION BOLTS - 3/4 INCH - 8 EACH
REINFORCEMENT BARS - 1,275 POUNDS
DESIGN FILL HEIGHT - < 2'

RIGHT

- CONCRETE BOX CULVERT 3' x 1.5' - 7.35 CU. YD.
EXPANSION BOLTS - 3/4 INCH - 8 EACH
REINFORCEMENT BARS - 1,275 POUNDS
DESIGN FILL HEIGHT - < 2'

LEGEND

- EXISTING ITEMS TO BE REMOVED

CHECKS		
INT.	DATE	REASON

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. DRAWN BY: BISHOP
 HORIZ. DESIGNED BY: COLBROOK
DATE: 09/16/02 CHECKED BY: COLBROOK

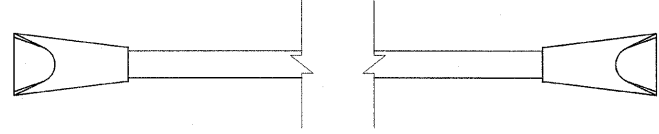
COMPUTER FILE NO.
CULV_DET.DGN-7

PROJECT 01256
2/26/10-FAV

GREENE & BRADFORD, INC.
OF SPRINGFIELD
COLLECTIVE BIDDING
CONSTRUCTION UNIT
PROFESSIONAL ENGINEERING ACT
PROFESSIONAL ENGINEERING CORPORATION
001-110-3684, 200 The Plaza, Springfield, IL 62761-1000

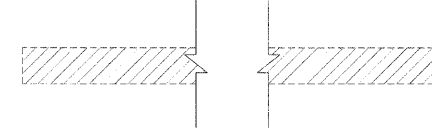
DESIGN		
INT.	DATE	REASON

CULVERT NO. 36
STA. 1042+66
0° SKEW



- PIPE CULVERTS, CLASS A, TYPE 1 - 46 FOOT
- EQUIVALENT ROUND-SIZE 18" - 2 EACH
- PRC FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18" - 3 CY
- TRENCH BACKFILL - 3 CY
- POROUS GRANULAR BEDDING - 15 CY
- CUT - 6 CY
- FILL - 2 @ 5.8 SQ YD

CULVERT NO. 39
STA. 1057+11.42, 25.02' LT.
EXISTING 24" RCP
34° SKEW



- PIPE CULVERT REMOVAL - 37 FOOT
- TRENCH BACKFILL - 8 CY
- CUT - 5 CY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	285

STA. TO STA.

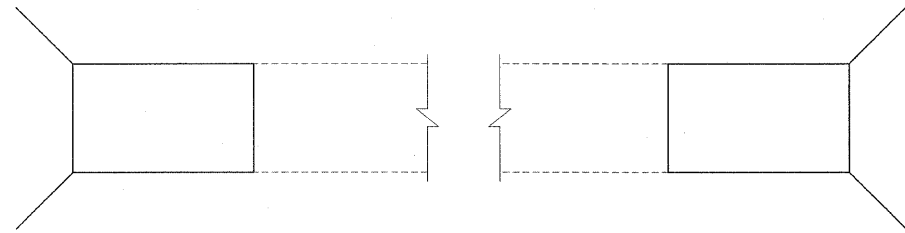
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

*15,6Y,RS-2,6BR-7 CONTRACT NO. 94437

700E (T.R. 92)

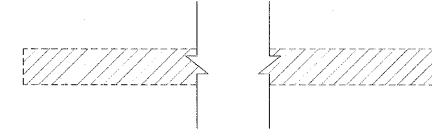
PLOTS & CHECKS		
INT.	DATE	REASON

CULVERT NO. 37
STA. 1047+57
EXISTING 6' X 1.5' RCBC
0° SKEW



- | | |
|--|---|
| <p>LEFT</p> <ul style="list-style-type: none"> CONCRETE BOX CULVERTS 6' x 1.5' - 5.0 CU. YD. EXPANSION BOLTS - 3/4 INCH - 14 EACH REINFORCEMENT BARS - 1,155 POUNDS POROUS GRANULAR BEDDING - 2 CY CUT - 14 CY FILL - 10 CY DESIGN FILL HEIGHT - < 2' | <p>RIGHT</p> <ul style="list-style-type: none"> CONCRETE BOX CULVERTS 6' x 1.5' - 5.0 CU. YD. EXPANSION BOLTS - 3/4 INCH - 14 EACH REINFORCEMENT BARS - 1,155 POUNDS POROUS GRANULAR BEDDING - 2 CY CUT - 13 CY FILL - 10 CY DESIGN FILL HEIGHT - < 2' |
|--|---|

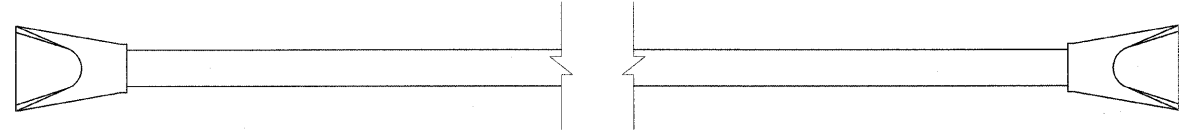
CULVERT NO. 40
STA. 1057+42.70, 44.97' RT.
EXISTING 24" RCP
34° SKEW



- PIPE CULVERT REMOVAL - 43 FOOT
- TRENCH BACKFILL - 10 CY
- CUT - 5 CY

700E (T.R. 92)

CULVERT NO. 38
STA. 1057+03, 35' LT.
33° SKEW



- PIPE CULVERTS, CLASS A, TYPE 1 24" - 66 FOOT
- PRC FLARED END SECTIONS 24" - 2 EACH
- TRENCH BACKFILL - 7 CY
- POROUS GRANULAR BEDDING - 4 CY
- CUT - 32 CY
- FILL - 14 CY

LEGEND
[Hatched Box] - EXISTING ITEMS TO BE REMOVED

CHECKS		
INT.	DATE	REASON

700E (T.R. 92)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. DATE: 09/16/02
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

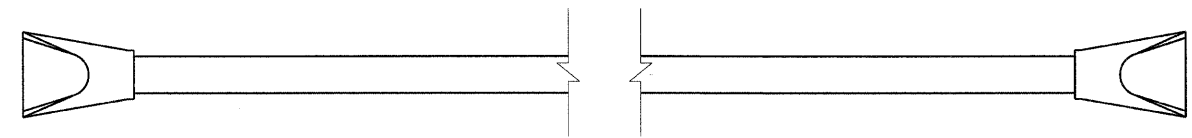
DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

COMPUTER FILE NO. CULV_DET.DGN-8
PROJECT 01256
2/26/10-FAV

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
202 CONSTITUTION DRIVE
SPRINGFIELD, ILLINOIS 62761
PROFESSIONAL ENGINEER FIRM NO. 044-00318
OFFICE: 217-244-1200 FAX: 217-244-1201

DESIGN		
INT.	DATE	REASON

CULVERT NO. 41
STA. 1057+48, 35' RT.
33° SKEW

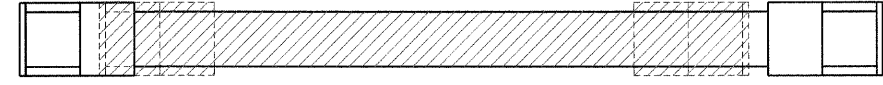


- PIPE CULVERTS, CLASS A, TYPE 1 24" - 78 FOOT
- PRC FLARED END SECTIONS 24" - 2 EACH
- TRENCH BACKFILL - 9 CY
- POROUS GRANULAR BEDDING - 4 CY
- CUT - 34 CY
- FILL - 14 CY

700E (T.R. 92)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	286
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*15,61Y,RS-2,6BR-7				
CONTRACT NO. 94437				

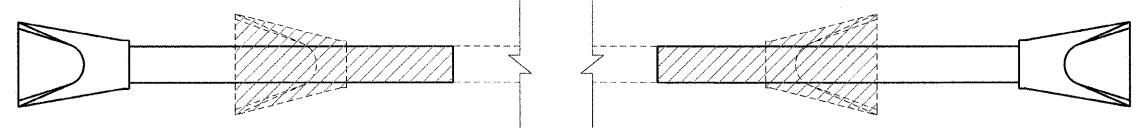
CULVERT NO. 44
STA. 903+14, RT.
EXISTING 4' X 2' RCBC



- PRECAST CONCRETE BOX CULVERT 4' X 2' - 48 FOOT
- BOX CULVERT END SECTION, CULVERT NO. 44 - 2 EACH
- REMOVAL OF EXISTING STRUCTURES NO. 8 - 1 EACH
- CUT - 13 CY
- FILL - 7 CY
- DESIGN FILL HEIGHT - < 2'

PLOTS & CHECKS		
INT.	DATE	REASON

CULVERT NO. 42
STA. 1082+76
EXISTING 24" RCCP
0° SKEW



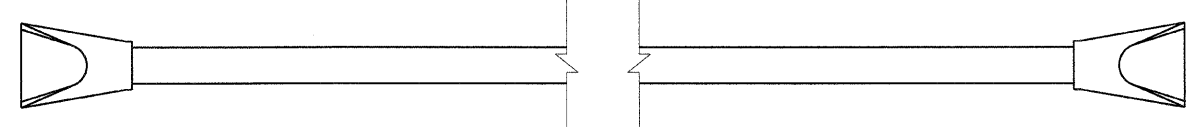
LEFT

- PIPE CULVERTS, CLASS A, TYPE 1 24" - 12 FOOT
- PRC FLARED END SECTIONS 24" - 1 EACH
- CONCRETE COLLAR - 0.35 CY
- TRENCH BACKFILL - 2 CY
- POROUS GRANULAR BEDDING - 1 CY
- CUT - 9 CY
- FILL - 4 CY
- DESIGN FILL HEIGHT - < 2'
- PIPE CULVERT REMOVAL - 7 FOOT

RIGHT

- PIPE CULVERTS, CLASS A, TYPE 1 24" - 14 FOOT
- PRC FLARED END SECTIONS 24" - 1 EACH
- CONCRETE COLLAR - 0.35 CY
- TRENCH BACKFILL - 2 CY
- POROUS GRANULAR BEDDING - 1 CY
- CUT - 9 CY
- FILL - 5 CY
- DESIGN FILL HEIGHT - < 2'
- PIPE CULVERT REMOVAL - 7 FOOT

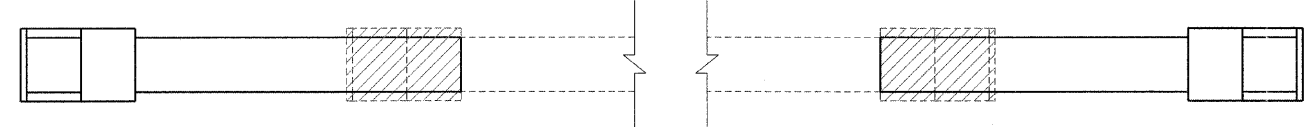
CULVERT NO. 45
STA. 1104+66, 38' LT
34° SKEW



- PIPE CULVERTS, CLASS A, TYPE 1 24" - 72 FOOT
- PRC FLARED END SECTIONS 24" - 2 EACH
- TRENCH BACKFILL - 12 CY
- POROUS GRANULAR BEDDING - 4 CY
- CUT - 42 CY
- FILL - 21 CY

775E (T.R. 102)

CULVERT NO. 43
STA. 1083+12
EXISTING 3' X 1.5' RCBC
0° SKEW



LEFT

- PRECAST CONCRETE BOX CULVERT 3' X 2' - 18 FOOT
- BOX CULVERT END SECTION, CULVERT NO. 43 - 1 EACH
- REMOVAL OF EXISTING STRUCTURES NO. 11 - 1/2 EACH
- REINFORCEMENT BARS - 60 POUNDS
- CONCRETE COLLAR - 0.83 CY
- POROUS GRANULAR BEDDING - 3 CY
- CUT - 13 CY
- FILL - 7 CY
- DESIGN FILL HEIGHT - < 2'

RIGHT

- PRECAST CONCRETE BOX CULVERT 3' X 2' - 17 FOOT
- BOX CULVERT END SECTION, CULVERT NO. 43 - 1 EACH
- REMOVAL OF EXISTING STRUCTURES NO. 11 - 1/2 EACH
- REINFORCEMENT BARS - 60 POUNDS
- CONCRETE COLLAR - 0.83 CY
- POROUS GRANULAR BEDDING - 3 CY
- CUT - 19 CY
- FILL - 7 CY
- DESIGN FILL HEIGHT - < 2'

LEGEND

- EXISTING ITEMS TO BE REMOVED

CHECKS		
INT.	DATE	REASON

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE: 09/16/02

DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

COMPUTER FILE NO.
CULV_DET.DGN-9

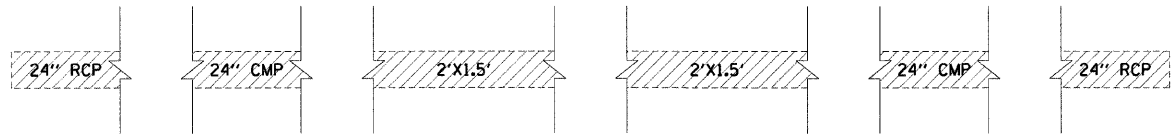
PROJECT 01256
2/26/10-FAV

GREENE & BRADFORD, INC.
OF SPRINGFIELD

REGISTERED PROFESSIONAL ENGINEERS
ILLINOIS LICENSE NO. 0621-0346
PROFESSIONAL ENGINEER THE STATE OF ILLINOIS
1218 N. 6TH ST., SUITE 200, SPRINGFIELD, ILLINOIS 62761-1803
(618) 622-1100 FAX (618) 622-1101

DESIGN		
INT.	DATE	REASON

CULVERT NO. 46
 STA. 1104+75.13, LT.
 EXISTING 2' X 1.5' RCBC
 33° SKEW

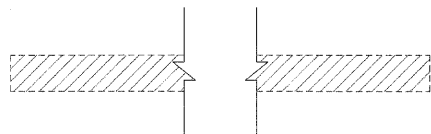


- REMOVAL OF EXISTING STRUCTURES NO. 12 - 1 EACH
- CUT - 7 CY
- TRENCH BACKFILL - 12 CY

775E (T.R. 102)

PLOTS & CHECKS		
INT.	DATE	REASON

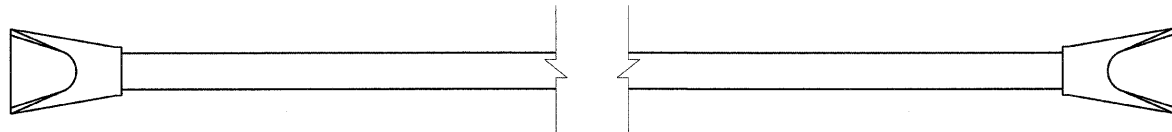
CULVERT NO. 47
 STA. 1105+11, RT.
 EXISTING 24" RCCP
 34° SKEW



- PIPE CULVERT REMOVAL - 41 FOOT
- TRENCH BACKFILL - 12 CY

775E (T.R. 102)

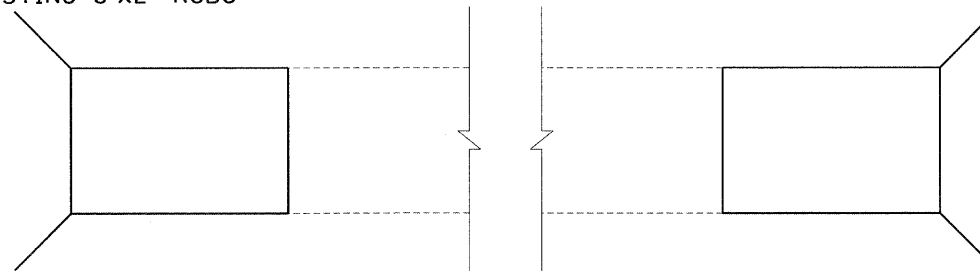
CULVERT NO. 48
 STA. 1105+18, 38' RT
 34° SKEW



- PIPE CULVERTS, CLASS A, TYPE 1 24" - 72 FOOT
- PRC FLARED END SECTIONS 24" - 2 EACH
- TRENCH BACKFILL - 10 CY
- POROUS GRANULAR BEDDING - 4 CY
- CUT - 14 CY
- FILL - 12 CY

775E (T.R. 102)

CULVERT NO. 49
 STA. 1145+07
 EXISTING 8'x2' RCBC



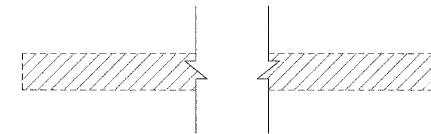
LEFT

- CONCRETE BOX CULVERTS 8' x 2' - 9.1 CU. YD.
- EXPANSION BOLTS - 3/4 INCH - 16 EACH
- REINFORCEMENT BARS - 2,060 POUNDS
- POROUS GRANULAR BEDDING - 2 CY
- CUT - 14 CY
- FILL - 10 CY
- DESIGN FILL HEIGHT - < 2'

RIGHT

- CONCRETE BOX CULVERTS 8' x 2' - 9.1 CU. YD.
- EXPANSION BOLTS - 3/4 INCH - 16 EACH
- REINFORCEMENT BARS - 2,060 POUNDS
- POROUS GRANULAR BEDDING - 2 CY
- CUT - 14 CY
- FILL - 10 CY
- DESIGN FILL HEIGHT - < 2'

CULVERT NO. 50
 STA. 1153+19.08, LT.
 EXISTING 24" CMP
 32° SKEW



- PIPE CULVERT REMOVAL - 43 FOOT
- TRENCH BACKFILL - 8 CY

850E (T.R. 120)

LEGEND

- EXISTING ITEMS TO BE REMOVED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	287

STA. TO STA.

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
*15,61Y,RS-2,6BR-7		

CONTRACT NO. 94437

CHECKS		
INT.	DATE	REASON

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS

FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

REVISIONS	
NAME	DATE

SCALE: VERT. _____
 HORIZ. _____
 DATE: 09/16/02

DESIGNED BY: BISHOP
 CHECKED BY: COLBROOK

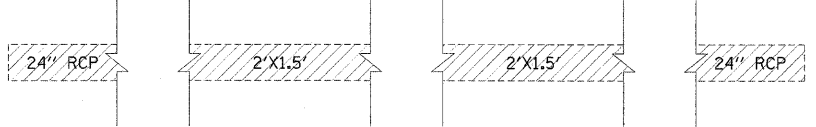
COMPUTER FILE NO.
 CULV-DET.DGN-10

PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 PROFESSIONAL ENGINEERS
 REGISTERED IN THE STATE OF ILLINOIS
 LICENSE NO. 021-050838-0001

DESIGN		
INT.	DATE	REASON

CULVERT NO. 51
 STA. 1153+22, LT.
 2' X 1.5' BOX CULVERT WITH
 24" RCP EXTENSIONS
 32° SKEW

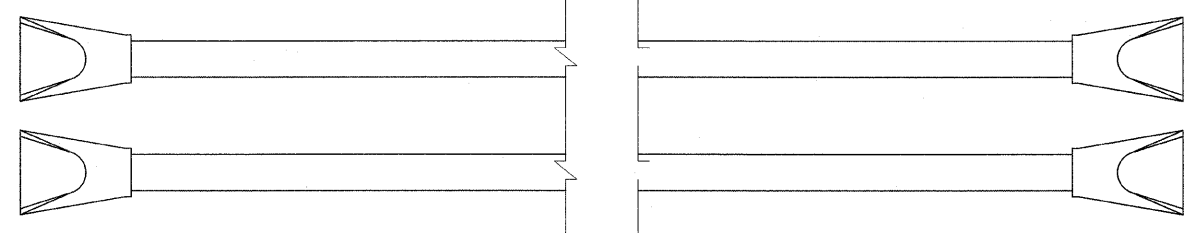


- REMOVAL OF EXISTING STRUCTURES NO. 13 - 1 EACH
- TRENCH BACKFILL - 14 CY
- CUT - 10 CY

850E (T.R. 120)

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

CULVERT NO. 52A
 STA. 1153+55, 35' RT.
 34° SKEW

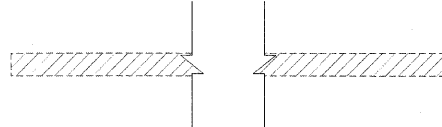


- TWIN PIPE CULVERTS, CLASS A, TYPE 1, EQUIVALENT ROUND-SIZE 24" - 2@54 FOOT
- PRC FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24" - 4 EACH
- TRENCH BACKFILL - 11 CY
- POROUS GRANULAR BEDDING - 9 CY
- CUT - 35 CY
- FILL - 5 CY
- DESIGN FILL HEIGHT - < 2'

850E (T.R. 120)

CHECKS		
INT.	DATE	REASON

CULVERT NO. 53
 STA. 1153+53, RT.
 EXISTING 15" RCP
 33° SKEW



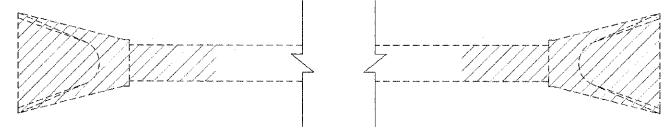
- PIPE CULVERT REMOVAL - 33 FOOT
- TRENCH BACKFILL - 9 CY
- CUT - 6 CY

LEGEND
 - EXISTING ITEMS TO BE REMOVED

850E (T.R. 120)

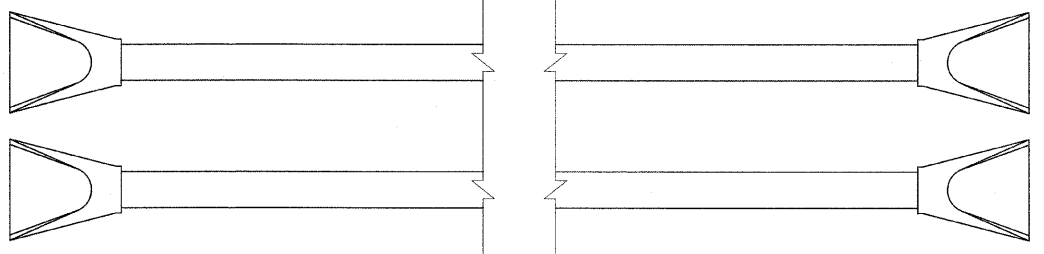
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	288

CULVERT NO. 54
 STA. 1153+59
 EXISTING 24" RCP
 29° SKEW



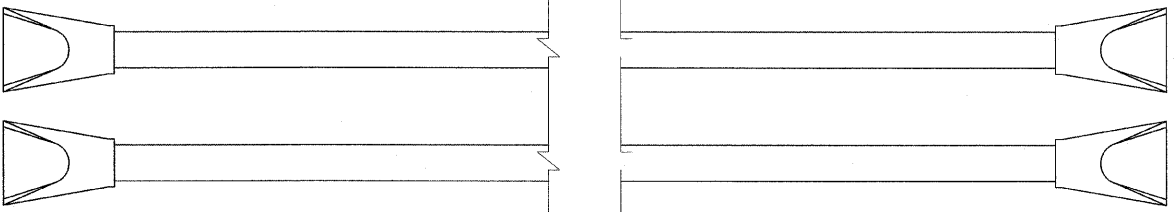
- PIPE CULVERT REMOVAL - 8 FOOT LEFT, 6 FOOT RIGHT
- FILLING EXISTING CULVERTS - 1 EACH
- TRENCH BACKFILL - 5 CY

CULVERT NO. 55
 STA. 1154+20.00
 0° SKEW



- TWIN PIPE CULVERTS, CLASS A, TYPE 1, EQUIVALENT ROUND-SIZE 24" - 2@48 FOOT
- PRC FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24" - 4 EACH
- TRENCH BACKFILL - 12 CY
- POROUS GRANULAR BEDDING - 3 CY
- CUT - 26 CY
- FILL - 5 CY
- DESIGN FILL HEIGHT - < 2'
- PAVEMENT PATCHING, TYPE III 14 INCH - 2 @ 13 SQ YD

CULVERT NO. 52B
 STA. 1153+12, 35' LT.
 34° SKEW



- TWIN PIPE CULVERTS, CLASS A, TYPE 1, EQUIVALENT ROUND-SIZE 24" - 2@66 FOOT
- PRC FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24" - 4 EACH
- TRENCH BACKFILL - 9 CY
- POROUS GRANULAR BEDDING - 18 CY
- CUT - 35 CY
- FILL - 5 CY
- DESIGN FILL HEIGHT - < 2'

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CULVERT DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 SCALE: HORIZ. _____
 DATE: 09/16/02

DRAWN BY: BISHOP
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

COMPUTER FILE NO.
 CULV.DET.DGN-11

PROJECT 01256
 2/26/10-FAV

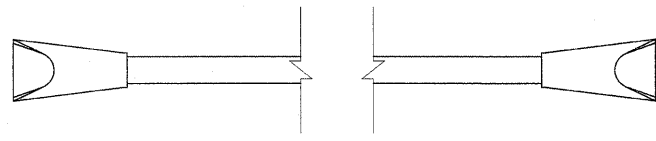
GREENE & BRADFORD, INC.
 OF SPRINGFIELD

 REGISTERED PROFESSIONAL ENGINEERS
 PROFESSIONAL DESIGN FIRM NO. 010011
 PROFESSIONAL ENGINEERING CORPORATION
 1217 7th Street, Springfield, IL 62761-1001
 TEL: 217-223-4444 FAX: 217-223-4444

850E (T.R. 120)

DESIGN		
INT.	DATE	REASON

CULVERT NO. 56
STA. 1177+35, 42' RT.
24° SKEW

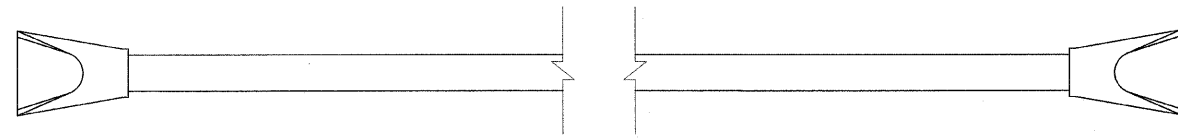


- PIPE CULVERTS, CLASS A, TYPE 2 18" - 96 FOOT
- PRC FLARED END SECTIONS 18" - 2 EACH
- TRENCH BACKFILL - 10 CY
- POROUS GRANULAR BEDDING - 5 CY
- CUT - 40 CY
- FILL - 52 CY

1000N (T.R. 201)

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

CULVERT NO. 57
STA. 1177+69, 40' LT.
25° SKEW

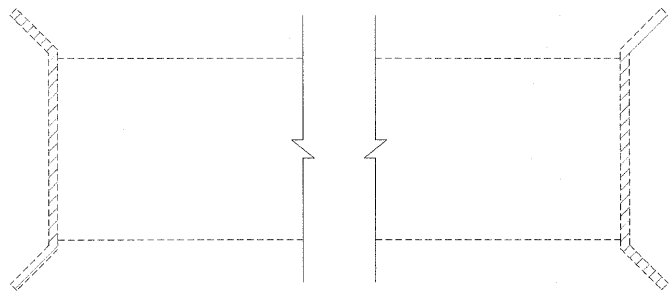


- PIPE CULVERTS, CLASS A TYPE 1 48" - 48 FOOT
- PRC FLARED END SECTIONS 48" - 2 EACH
- TRENCH BACKFILL - 8 CY
- POROUS GRANULAR BEDDING - 5 CY
- CUT - 38 CY
- FILL - 29 CY

1000N (T.R. 201)

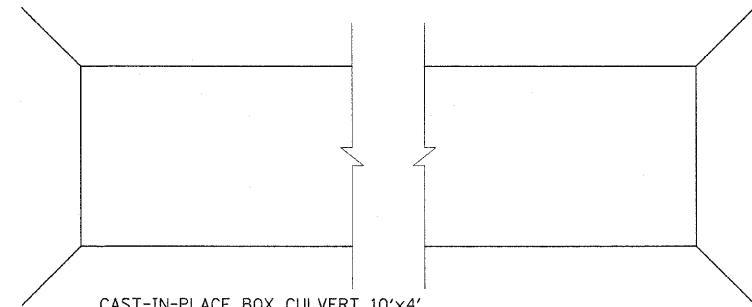
CHECKS		
INT.	DATE	REASON

CULVERT NO. 58
STA. 1177+83
EXISTING 10' X 3.5' RCBC
0° SKEW



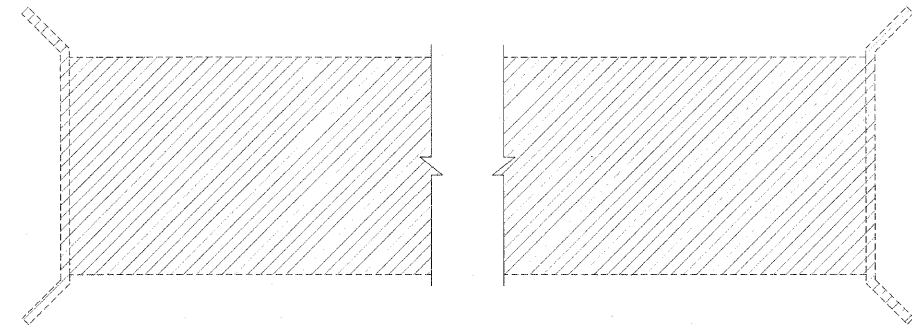
- FILLING EXISTING CULVERT - 1 EACH
- CONCRETE HEADWALL REMOVAL - 2 EACH
- CUT - 2 CY
- FILL - 6 CY

CULVERT NO. 59
STA. 1178+20
30° SKEW



- CAST-IN-PLACE BOX CULVERT 10'x4'
- STRUCTURE EXCAVATION - 300 CU YD
- FILL - 10 CY
- DESIGN FILL HEIGHT - < 2'
- CONCRETE BOX CULVERTS - 63.6 CU YD
- REINFORCEMENT BARS - 15,970 POUND
- TEMPORARY SHEET PILING - 630 SF
- BAR SPLICERS - 48 EACH
- PAVEMENT PATCHING, TYPE IV 14 INCH - 1 @ 61 SY, 1 @ 65 SY
- REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS FOR STRUCTURES - 41 CU YD
- ROCK FILL - REPLACEMENT - 83 TON

CULVERT NO. 60
STA. 1177+93, 53' RT.
EXISTING 12' X 5' BOX CULVERT



- REMOVAL OF EXISTING STRUCTURES NO. 14 - 1 EACH
- CUT - 5 CY
- FILL - 10 CY

1000N (T.R. 201)

LEGEND
 - EXISTING ITEMS TO BE REMOVED

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	289

STA. TO STA.

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
*15,61Y,RS-2,6BR-7		

CONTRACT NO. 94437

ILLINOIS DEPARTMENT OF TRANSPORTATION
CULVERT DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

REVISIONS	
NAME	DATE

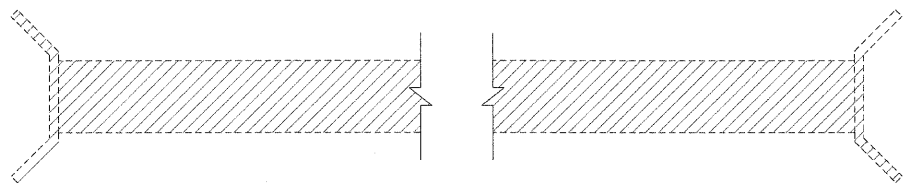
SCALE: VERT. DRAWN BY: BISHOP
 SCALE: HORIZ. DESIGNED BY: COLBROOK
 DATE: 09/16/02 CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 REGISTERED PROFESSIONAL ENGINEERS
 ILLINOIS LICENSE NO. 0212
 PROFESSIONAL DESIGN FIRM NO. 044-0078
 605 N. 11th St., Springfield, IL 62761-1100
 (417) 781-8844, (417) 781-8877, FAX (417) 781-8844

COMPUTER FILE NO.
 CULV_DET.DGN-12
 PROJECT 01256
 2/26/10-FAV

DESIGN		
INT.	DATE	REASON

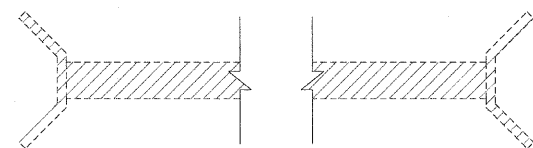
CULVERT NO. 61
STA. 1179+17, LT.
EXISTING 4' X 3' BOX CULVERT



REMOVAL OF EXISTING STRUCTURES NO. 15 - 1 EACH
CUT - 21 CY
FILL - 56 CY

1000N (T.R. 201)

CULVERT NO. 64
STA. 1188+16, LT.
EXISTING 2' X 2' BOX CULVERT



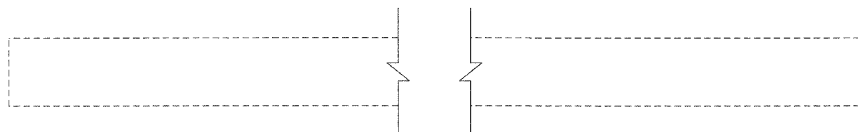
REMOVAL OF EXISTING STRUCTURES NO. 16 - 1 EACH
TRENCH BACKFILL - 14 CY
CUT - 12 CY

BOGOTA ROAD (FAS 706/CH 15)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	290
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*15,61Y,RS-2,6BR-7				
CONTRACT NO. 94437				

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

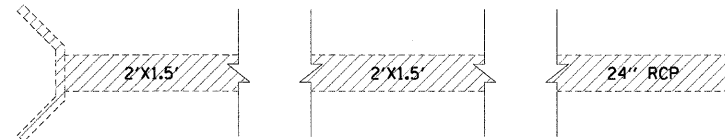
CULVERT NO. 62
STA. 157+85
EXISTING 15" CMP
57° SKEW



TO REMAIN

1000N (T.R. 201)

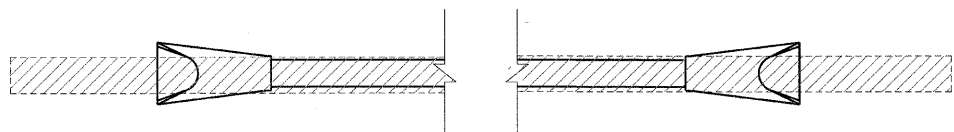
CULVERT NO. 65
STA. 1188+51, RT.
EXISTING 2' X 1.5' RC BOX
CULVERT WITH 24" RCP EXTENSION



REMOVAL OF EXISTING STRUCTURES NO. 17 - 1 EACH
TRENCH BACKFILL - 26 CY
CUT - 20 CY

BOGOTA ROAD (FAS 706/CH 15)

CULVERT NO. 63
STA. 158+71
EXISTING 18" CMP
38° SKEW



PIPE CULVERT REMOVAL - 90 FOOT
PIPE CULVERTS, CLASS A, TYPE 1 18" - 72 FOOT
PRC FLARED END SECTIONS 18" - 2 EACH
TRENCH BACKFILL - 24 CY
POROUS GRANULAR BEDDING - 9 CY
CUT - 40 CY
FILL - 10 CY
PIPE CULVERT REMOVAL - 40 FOOT

1000N (T.R. 201)

LEGEND
[Hatched Box] - EXISTING ITEMS TO BE REMOVED

CHECKS		
INT.	DATE	REASON

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS

FAP ROUTE 95 (IL RTE. 33)
SECTION 15,61Y,RS-2,6BR-7
JASPER COUNTY

REVISIONS	
NAME	DATE

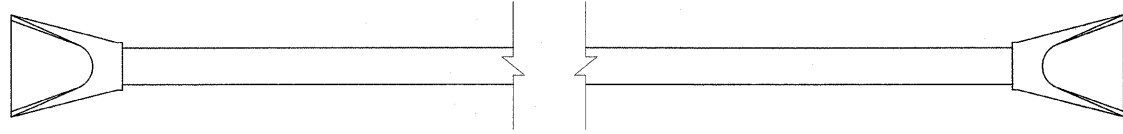
SCALE: VERT. DATE: 09/16/02
DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
PROFESSIONAL ENGINEERS
REGISTERED IN ILLINOIS
4015 N. WENTZ, SUITE 200, SPRINGFIELD, IL 62764
TEL: 217-223-8800 FAX: 217-223-8801

COMPUTER FILE NO. CULV_DET.DGN-13
PROJECT 01256
2/26/10-FAV

DESIGN		
INT.	DATE	REASON

CULVERT NO. 66
STA. 1188+80, 53' LT.
20° SKEW

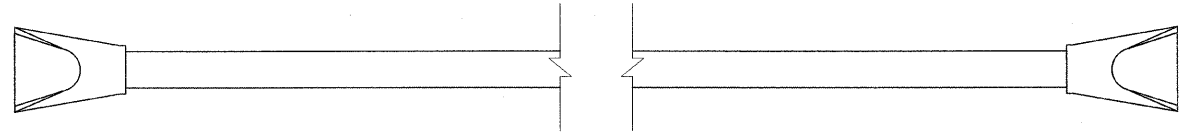


- PIPE CULVERTS, CLASS A, TYPE 1 30" - 54 FOOT
- PRC FLARED END SECTIONS 30" WITH GRATING - 2 EACH
- TRENCH BACKFILL - 4 CY
- POROUS GRANULAR BEDDING - 5 CY
- CUT - 40 CY
- FILL - 25 CY

BOGOTA ROAD (FAS 706/CH 15)

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

CULVERT NO. 67
STA. 1189+03, 35' RT
5° SKEW

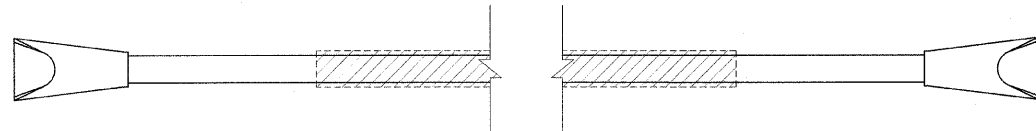


- PIPE CULVERTS, CLASS A TYPE 1 - 138 FOOT
- EQUIVALENT ROUND SIZE 36" - 2 EACH
- PRC FLARED END SECTIONS, EQUIVALENT ROUND SIZE 36" WITH GRATING - 27 CY
- TRENCH BACKFILL - 7 CY
- POROUS GRANULAR BEDDING - 81 CY
- CUT - 50 CY
- FILL - 2 EACH
- GRATING FOR CONCRETE FLARED END SECTION - EQUIVALENT RD - SIZE 36"

BOGOTA ROAD (FAS 706/CH 15)

CHECKS		
INT.	DATE	REASON

CULVERT NO. 68
STA. 168+75
EXISTING 24" CMP
22° SKEW

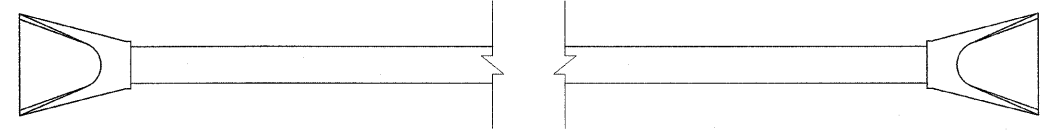


- PIPE CULVERTS, CLASS A, TYPE 1, EQUIVALENT ROUND SIZE 24" - 60 FOOT
- PRC FLARED END SECTIONS, EQUIVALENT ROUND SIZE 24" - 2 EACH
- PIPE CULVERT REMOVAL - 49 FOOT
- TRENCH BACKFILL - 17 CY
- POROUS GRANULAR BEDDING - 12 CY
- CUT - 12 CY
- FILL - 5 CY

BOGOTA ROAD (FAS 706/CH 15)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	291

CULVERT NO. 69
STA. 2234+87
0° SKEW

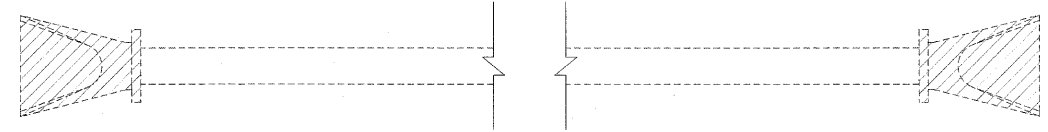


- PIPE CULVERTS, CLASS A, TYPE 1 24" - 60 FOOT
- PRC FLARED END SECTIONS 24" - 2 EACH
- TRENCH BACKFILL - 8 CY
- POROUS GRANULAR BEDDING - 3 CY
- CUT - 51 CY
- FILL - 14 CY
- DESIGN FILL HEIGHT - < 2'
- PAVEMENT PATCHING, TYPE II 14 INCH - 2 @ 5.8 SQ. YD.

FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
*15,61Y,RS-2,6BR-7		

CONTRACT NO. 94437

CULVERT NO. 70
STA. 2234+91
EXISTING 2'X1.5' PRC
0° SKEW



- REMOVAL OF EXISTING STRUCTURES NO. 21 - 1 EACH
- FILLING EXISTING CULVERTS - 1 EACH
- TRENCH BACKFILL - 3 CY
- CUT - 4 CY
- FILL - 3 CY

LEGEND

▨ - EXISTING ITEMS TO BE REMOVED

ILLINOIS DEPARTMENT OF TRANSPORTATION
CULVERT DETAILS
FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

REVISIONS	
NAME	DATE

SCALE: VERT. HORIZ.
DATE: 09/16/02

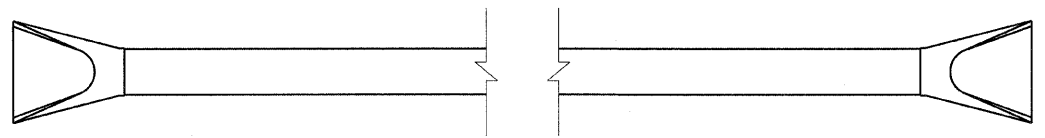
DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

COMPUTER FILE NO. CULV_DET.DGN-14
PROJECT 01256
2/26/10-FAV

G&B GREENE & BRADFORD, INC.
OF SPRINGFIELD
PROFESSIONAL ENGINEERS
REGISTERED IN ILLINOIS
NO. 0015059
508 S. HICKORY ST.
SPRINGFIELD, ILLINOIS 62761-2822
TEL: 217-223-2100 FAX: 217-223-2101
WWW.GANDB.COM

DESIGN		
INT.	DATE	REASON

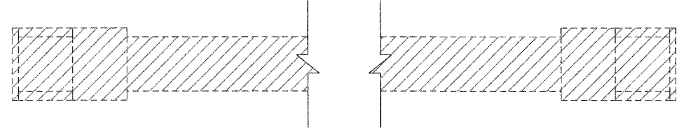
CULVERT NO. 71
STA. 2238+20.00
0° SKEW



- PIPE CULVERTS, CLASS A, TYPE 1
- EQUIVALENT ROUND-SIZE 36" - 60 FOOT
- PRC FLARED END SECTIONS - 2 EACH
- EQUIVALENT ROUND-SIZE 36" - 25 CY
- TRENCH BACKFILL - 4 CY
- POROUS GRANULAR BEDDING - 21 CY
- CUT - 12 CY
- FILL - < 2'
- DESIGN FILL HEIGHT

PLOTS & CHECKS		
INT.	DATE	REASON

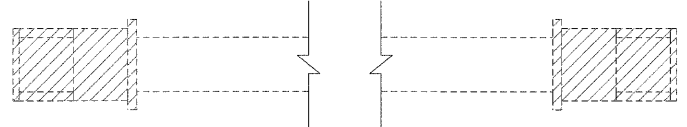
CULVERT NO. 72
STA. 2238+22.00, LT.
EXISTING 3' X 2' RCBC
0° SKEW



REMOVAL OF EXISTING STRUCTURES NO. 18 - 1 EACH

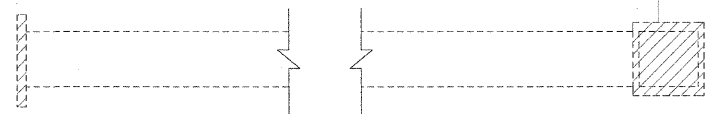
CHECKS		
INT.	DATE	REASON

CULVERT NO. 73
STA. 1255+78
EXISTING 3' X 2' RCBC
0° SKEW



- FILLING EXISTING CULVERTS - 1 EACH
- REMOVAL OF EXISTING STRUCTURES NO. 19 - 1 EACH
- CUT - 2 CY
- FILL - 7 CY

CULVERT NO. 74
STA. 1276+26.90
EXISTING 3' X 3' BOX CULVERT
30° SKEW



- FILLING EXISTING CULVERT - 1 EACH
- REMOVING MANHOLES - 1 EACH
- CONCRETE HEADWALL REMOVAL - 1 EACH
- CUT - 2 CY
- FILL - 7 CY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	292
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*(5,6)Y,RS-2,6BR-7				
CONTRACT NO. 94437				

LEGEND
 - EXISTING ITEMS TO BE REMOVED

ILLINOIS DEPARTMENT OF TRANSPORTATION

CULVERT DETAILS

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

REVISIONS	
NAME	DATE

SCALE: VERT. _____
 HORIZ. _____
 DATE: 09/16/02

DRAWN BY: BISHOP
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

COMPUTER FILE NO.
 CULV_DET.DGN-15

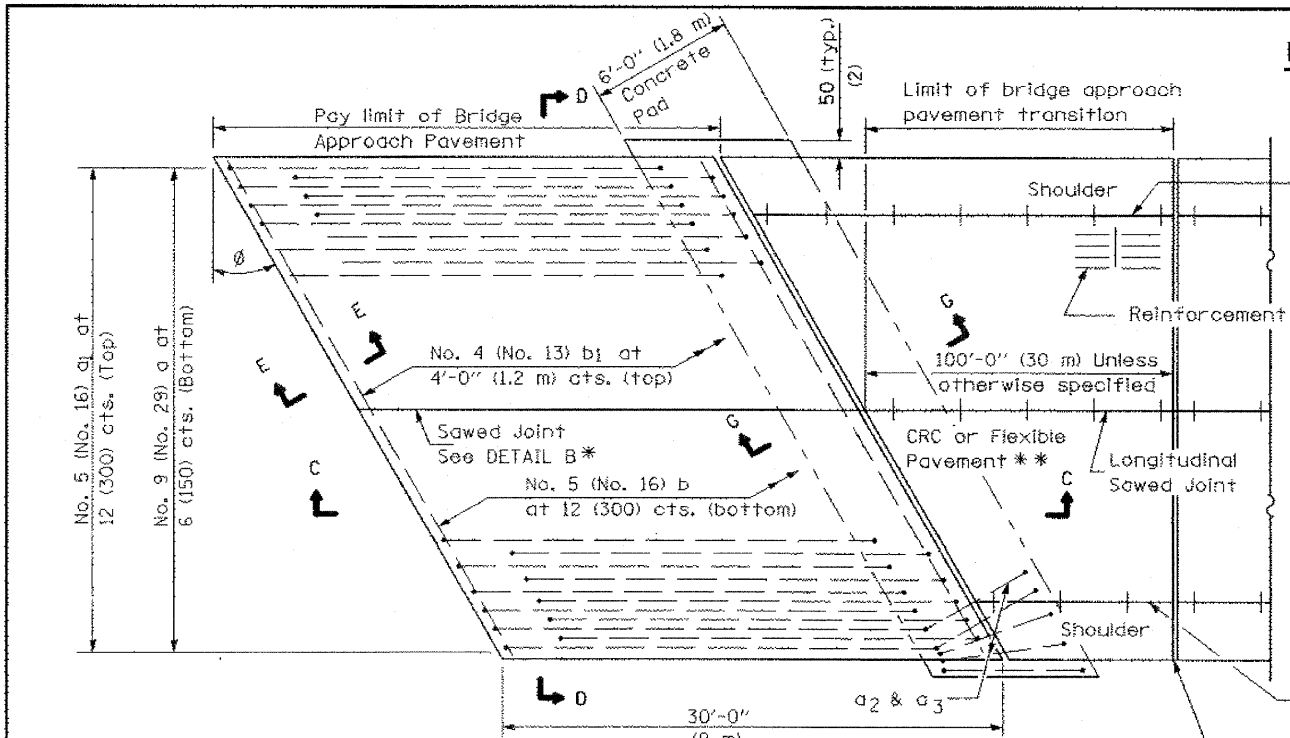
PROJECT 01256
 2/26/10-FAV

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 REGISTERED PROFESSIONAL ENGINEERS
 LICENSE NO. 0001
 PROFESSIONAL SEAL FOR ILLINOIS
 PROFESSIONAL ENGINEERING CORPORATION
 601 N. 6th St., Springfield, IL 62761-1100
 217-781-8844 FAX 217-781-8877

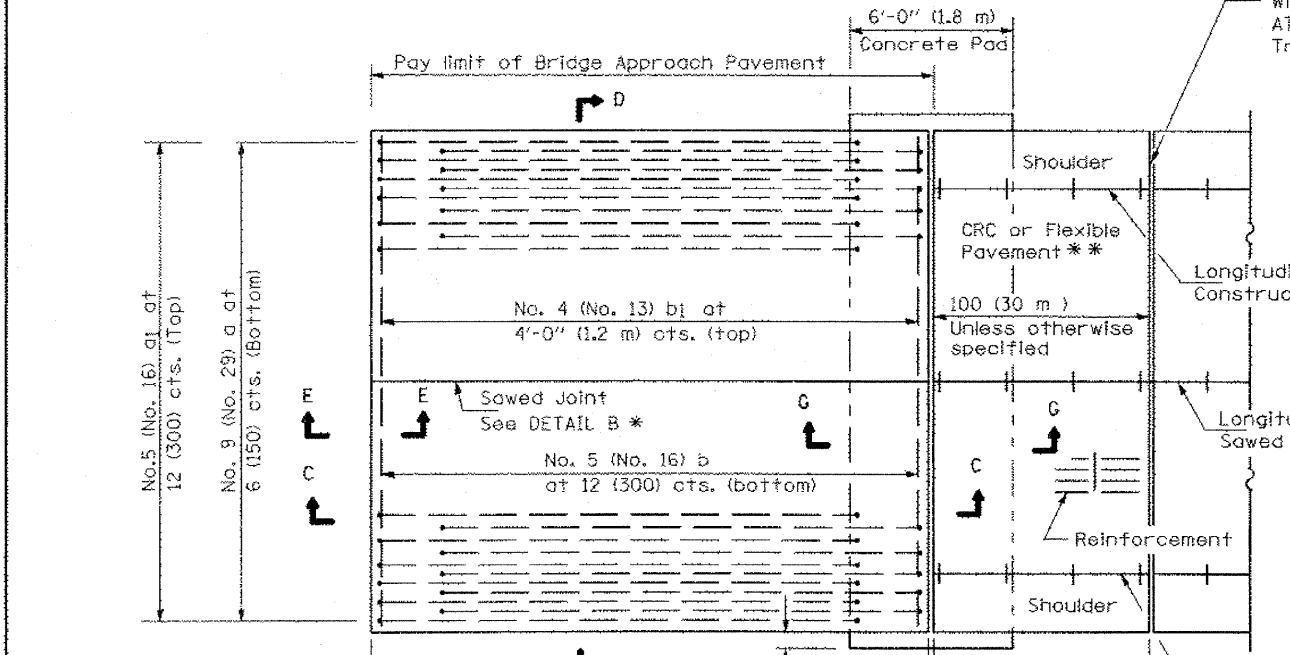
DESIGN		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	292A
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*15,61Y,RS-2,6BR-7		CONTRACT NO. 94437		

PLOTS & CHECKS		
INT.	DATE	REASON

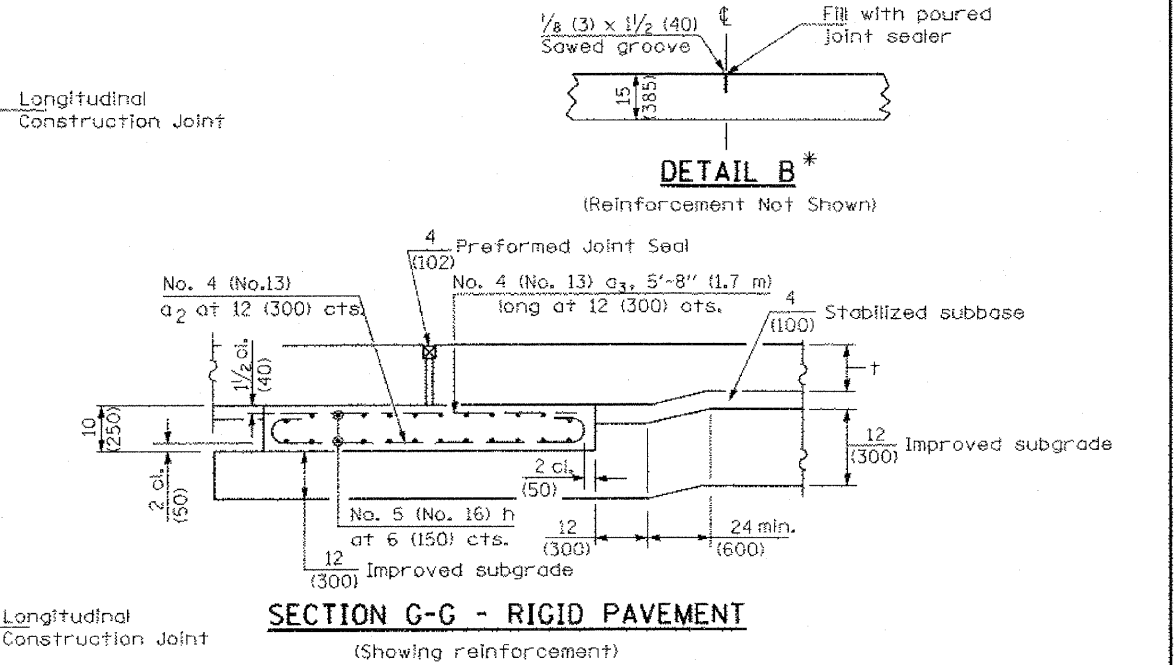


PLAN - WITH SKEW

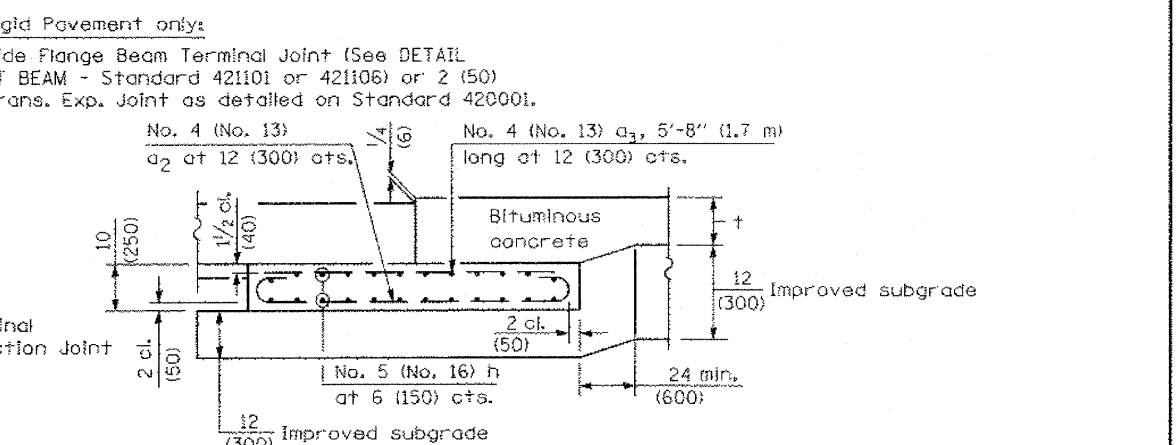


PLAN - WITHOUT SKEW

NEW CONSTRUCTION



SECTION G-G - RIGID PAVEMENT
(Showing reinforcement)



SECTION G-G - FLEXIBLE PAVEMENT
(Showing reinforcement)

GENERAL NOTES

THICKNESS-'t' = Thickness of Pavement.
 See Standard 421001 for reinforcement details not shown.
 See Standard 420001 for joint details not shown.
 All dimensions are in inches (millimeters) unless otherwise shown.

Rigid Pavement only:
 Wide Flange Beam Terminal Joint (See DETAIL AT BEAM - Standard 421101 or 421106) or 2 (50)
 Trans. Exp. Joint as detailed on Standard 420001.

Illinois Department of Transportation

APPROVED January 1, 2008
Robert C. Anderson
 ENGINEER OF BRIDGES AND STRUCTURES

APPROVED January 1, 2008
Ken S. Haas
 ENGINEER OF DESIGN AND ENVIRONMENT

15-11-97

* Saw ∇ or lane edge if poured two or more lane widths at a time.
 ** Omit Reinforcement, tie bars and Long. sawed Jt. for Flexible Pavement.

DATE	REVISIONS
1-1-08	Switched units to English (metric). Moved rebar epoxy coat note to Standard Spec.
1-1-04	Rev. size of Trans. Exp. Jt. and soft converted metric reinf.

BRIDGE APPROACH PAVEMENT
(Sheet 1 of 4)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
APPROACH PAVEMENT DETAILS

FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. HORIZ.
 DATE: 09/18/02

DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: SANFORD

COMPUTER FILE NO. DETAILS
 PROJECT 01256

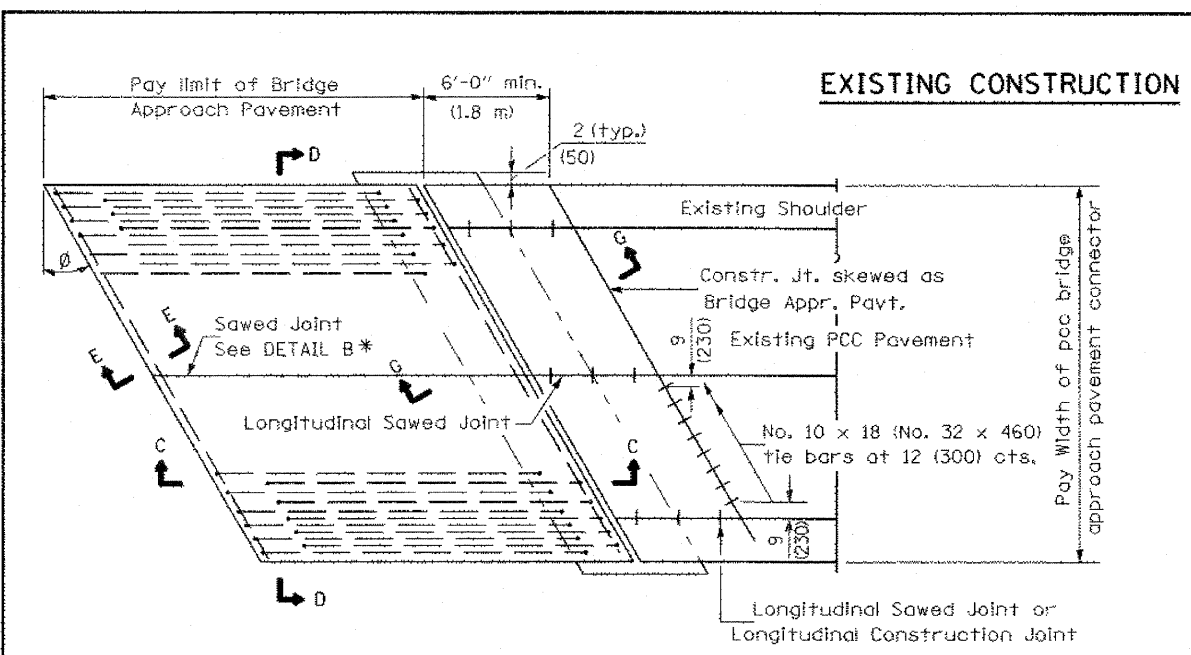
GREENE & BRADFORD, INC.
 OF SPRINGFIELD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	292B
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
*5,6)Y,RS-2,6BR-7				
CONTRACT NO. 94437				

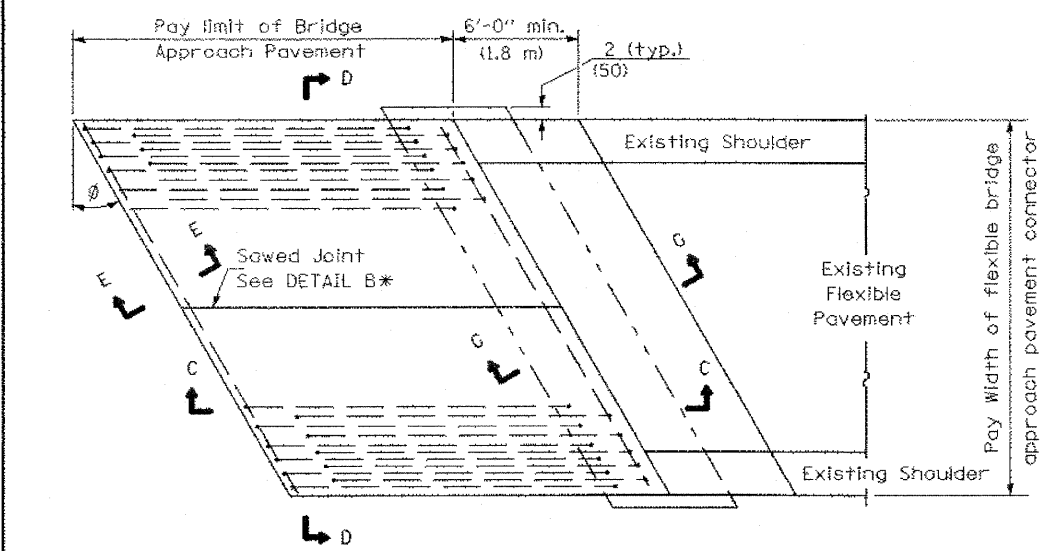
DESIGN		
INT.	DATE	REASON

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

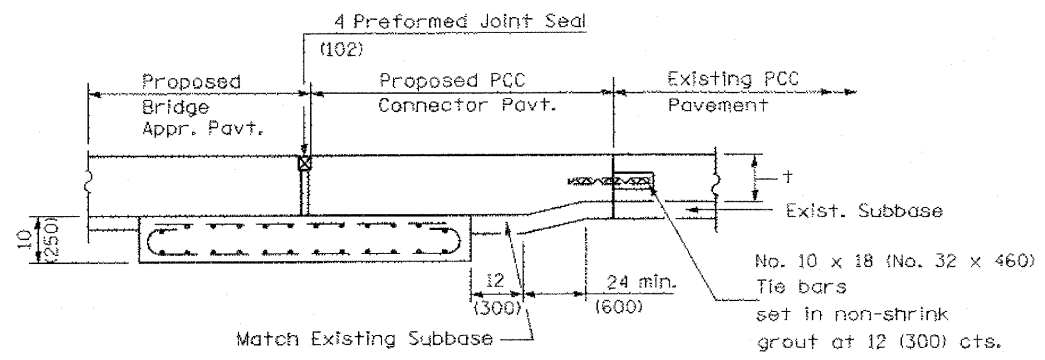
CHECKS		
INT.	DATE	REASON



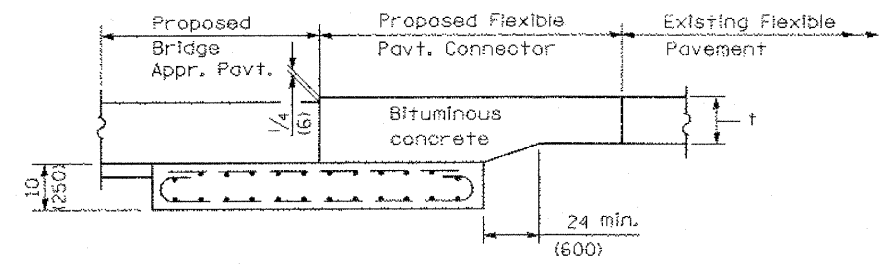
BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)



BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)



SECTION G-G - RIGID PAVEMENT



SECTION G-G - FLEXIBLE PAVEMENT

BRIDGE APPROACH PAVEMENT
(Sheet 2 of 4)

Illinois Department of Transportation
 Approved January 1, 2008
Ralph E. Anderson
 ENGINEER OF BRIDGES AND STRUCTURES
 Approved January 1, 2008
Ken C. Hays
 ENGINEER OF DESIGN AND ENVIRONMENT

ILLINOIS DEPARTMENT OF TRANSPORTATION
APPROACH PAVEMENT DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 09/18/02

DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: SANFORD

COMPUTER FILE NO. _____
 PROJECT 01256

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 CIVIL ENGINEERS
 REGISTERED PROFESSIONAL ENGINEERS
 PROFESSIONAL SEAL NO. 062-000000
 PROFESSIONAL SEAL NO. 062-000000
 PROFESSIONAL SEAL NO. 062-000000
 PROFESSIONAL SEAL NO. 062-000000

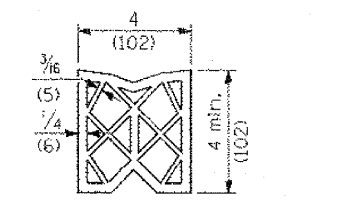
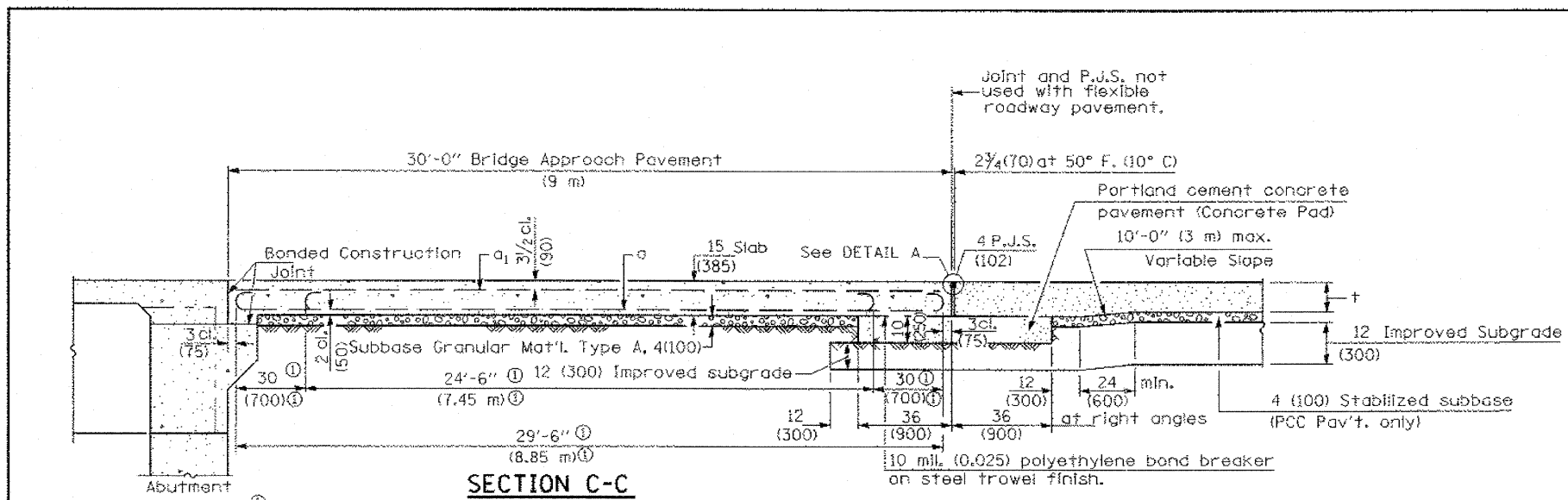
REVISIONS	
NAME	DATE

DESIGN		
INT.	DATE	REASON

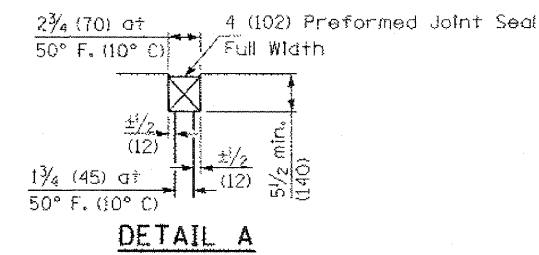
PLOTS & CHECKS		
INT.	DATE	REASON

CHECKS		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	292C
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*5.6Y,RS-2,6BR-7				
CONTRACT NO. 94437				

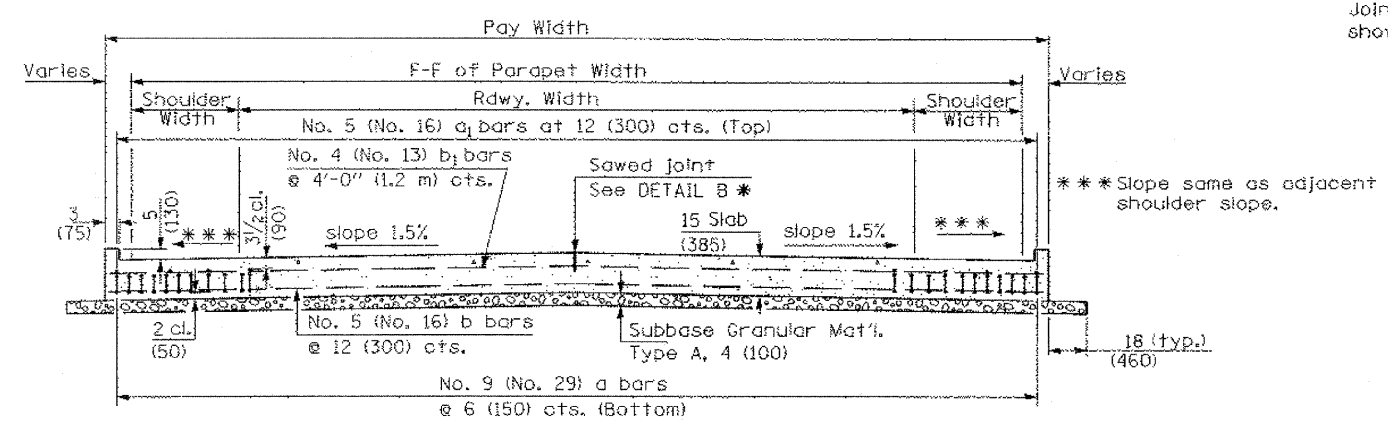


PREFORMED JOINT SEAL



DETAIL A

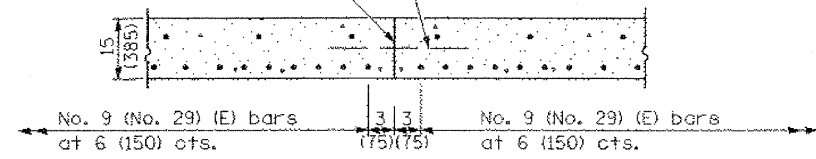
① Stagger No. 9 (No. 29) a bars as shown on plan - full width



SECTION D-D

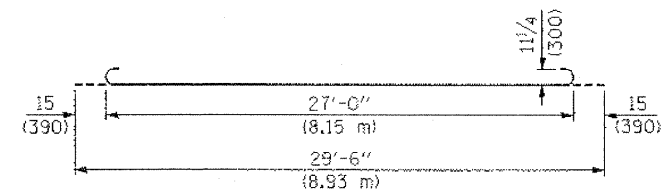
(See Plan for Dimensions not shown)

Longitudinal Construction Joint in accordance with details shown on Standard 420001.

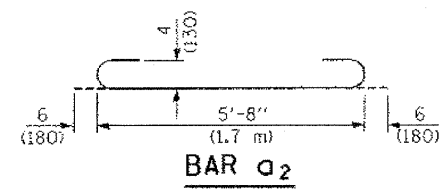


OPTIONAL LONGITUDINAL CONSTRUCTION JOINT

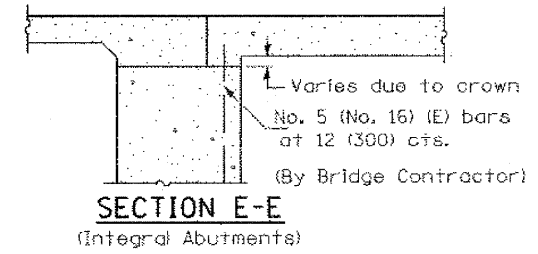
As approved by the Engineer, the Contractor may elect to reduce the widths of pour by use of the Optional Longitudinal Construction Joint shown. Joints shall be located at the edge of a traffic lane.



BAR a

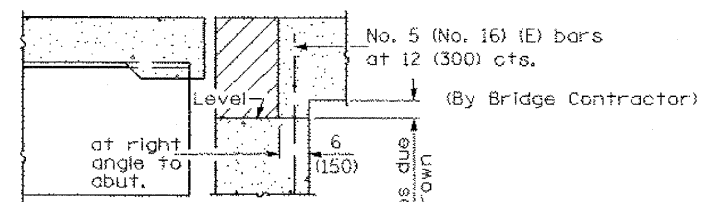


BAR a2



SECTION E-E

(Integral Abutments)



SECTION E-E

(Jointed Abutments)

DESIGN STRESSES

$f_y = 60,000$ p.s.i. (400 MPa)
 $f'_c = 3,500$ p.s.i. (24 MPa)
 $n = 8.5$

BRIDGE APPROACH PAVEMENT
 (Sheet 3 of 4)

Illinois Department of Transportation
 APPROVED: January 1, 2008
Ralph E. Anderson
 ENGINEER OF BRIDGES AND STRUCTURES
 APPROVED: January 1, 2008
Ken S. Han
 ENGINEER OF DESIGN AND ENVIRONMENT

ILLINOIS DEPARTMENT OF TRANSPORTATION
APPROACH PAVEMENT DETAILS
 FAP ROUTE 95 (IL RTE. 33)
 SECTION 5.6Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. HORIZ.
 DATE: 09/18/02

DRAWN BY: JAMESON
 DESIGNED BY: COLBROOK
 CHECKED BY: SANFORD

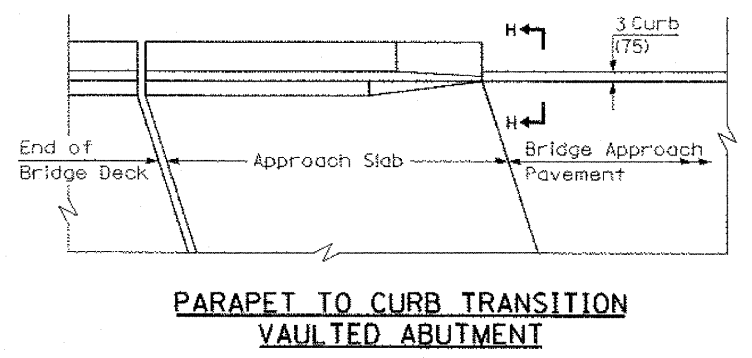
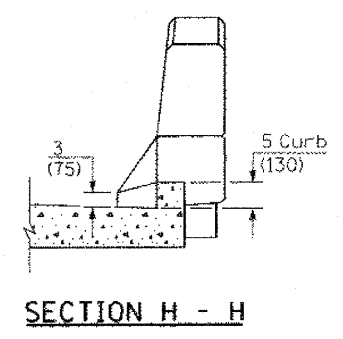
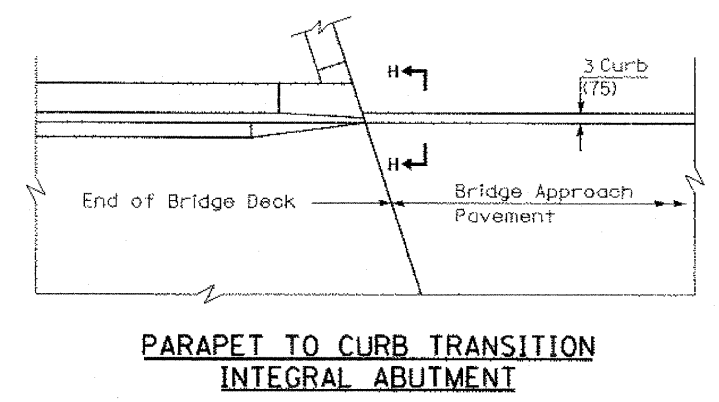
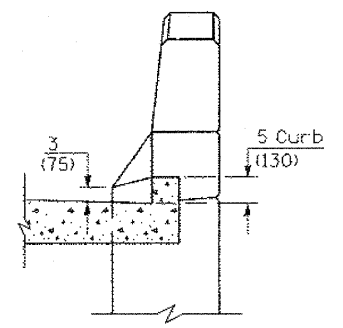
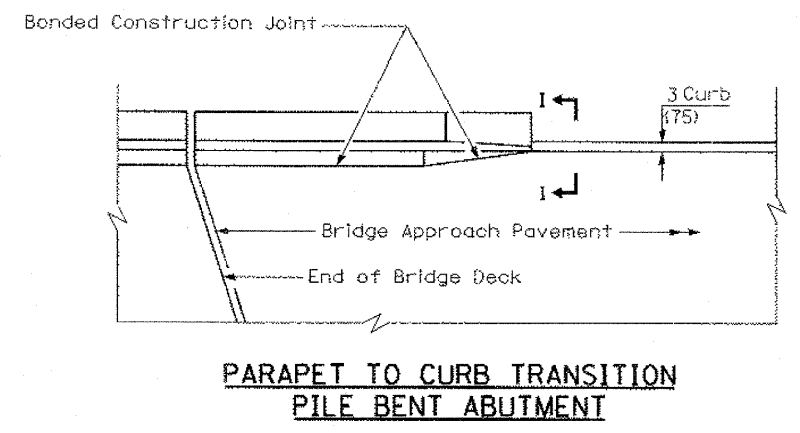
COMPUTER FILE NO. DETAILS
 PROJECT 01256

GREENE & BRADFORD, INC.
 OF SPRINGFIELD
 CONSULTING ENGINEERS
 300 WEST TOWN SQUARE
 SPRINGFIELD, ILLINOIS 62761
 PROFESSIONAL ENGINEERS
 LICENSE NO. 001-001-001
 PROFESSIONAL & STRUCTURAL ENGINEERING CORPORATION
 001 703 8841 001 703 8841

REVISIONS	
NAME	DATE

DESIGN		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	2920
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*(5,6)Y,RS-2,6BR-7				
CONTRACT NO. 94437				



BRIDGE APPROACH PAVEMENT
(Sheet 4 of 4)

Illinois Department of Transportation

APPROVED January 1, 2008
Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

APPROVED January 1, 2008
Ken S. Han
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-B-97

ILLINOIS DEPARTMENT OF TRANSPORTATION
**APPROACH PAVEMENT
DETAILS**

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. _____
HORIZ. _____

DATE: 09/18/02

DRAWN BY: JAMESON
DESIGNED BY: COLBROOK
CHECKED BY: SANFORD

COMPUTER FILE NO. _____
PROJECT 01256

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
PROFESSIONAL ENGINEERS
PROFESSIONAL LAND SURVEYORS
PROFESSIONAL ARCHITECTS
PROFESSIONAL INTERIOR DESIGNERS
2001 700 BEAL, SUITE 100, SPRINGFIELD, ILLINOIS 62761-1000
TEL: 217-223-7700 FAX: 217-223-7701

REVISIONS	
NAME	DATE

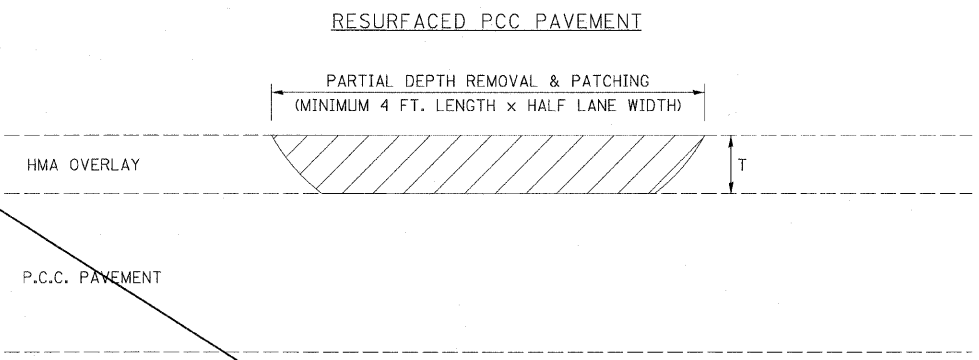
CHECKS		
INT.	DATE	REASON

DESIGN		
INT.	DATE	REASON

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

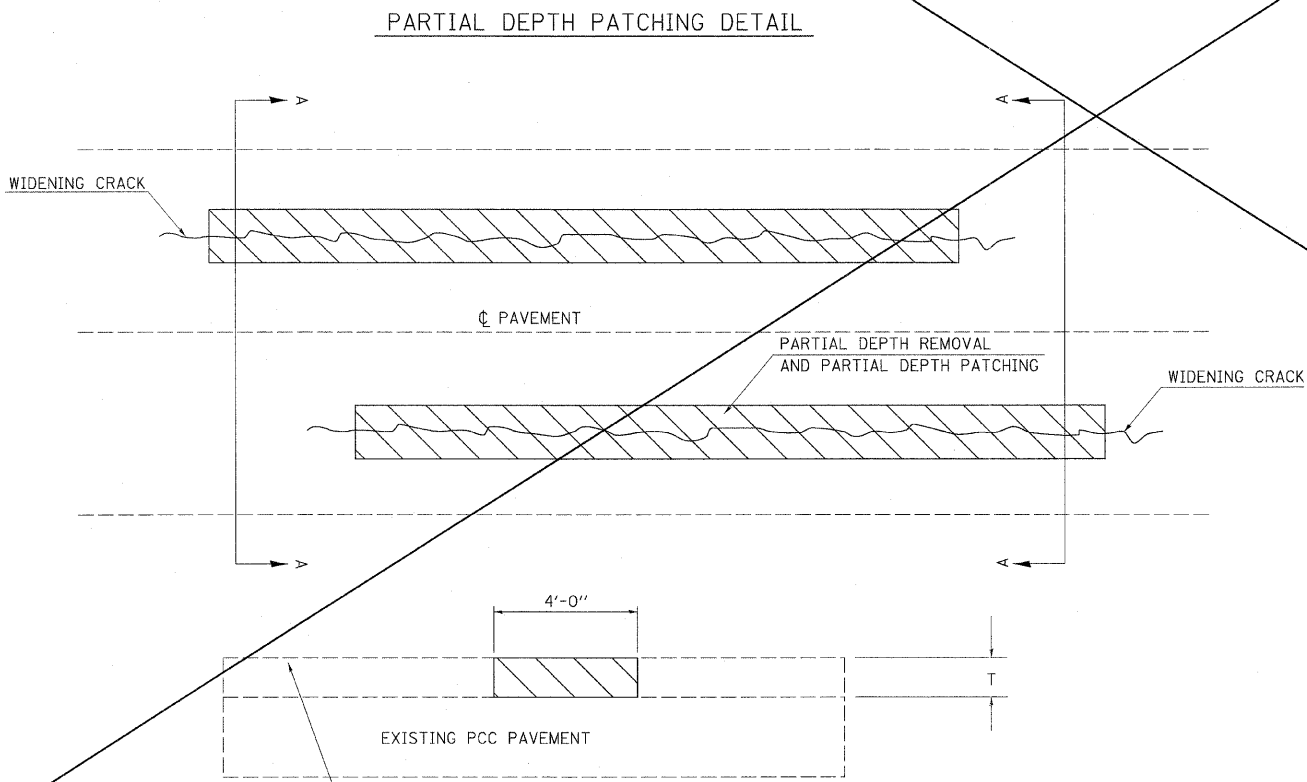
CHECKS		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	294
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
•(5,6)Y,RS-2,6BR-7		CONTRACT NO. 94437		



= PARTIAL DEPTH REMOVAL (VARIABLE DEPTH) (X4422000)

MILL MACHINE AND/OR WHEEL SAW REMOVAL



GENERAL NOTES

ALL VOLUME OF PARTIAL DEPTH REMOVAL SHALL BE REPLACED WITH HOT-MIX ASPHALT (HMA) AND PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR PARTIAL DEPTH PATCHING.

T = THICKNESS OF HMA OVERLAY(S). PARTIAL DEPTH PATCHING QUANTITY ASSUMES THICKNESS OF 6"

SEE GENERAL NOTES FOR MIXTURE REQUIREMENTS.

HMA REPLACEMENT IN RESURFACED PCC PAVEMENT LOCATIONS SHALL BE ACCORDING TO SECTION 406 OF THE STANDARD SPECIFICATIONS.

NOTE: THE MINIMUM WIDTH FOR PARTIAL DEPTH REMOVAL SHALL BE 48".

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PCC PARTIAL DEPTH HOT-MIX ASPHALT PATCHING

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE: 09/18/02

DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

COMPUTER FILE NO. _____
DETAILS - 50

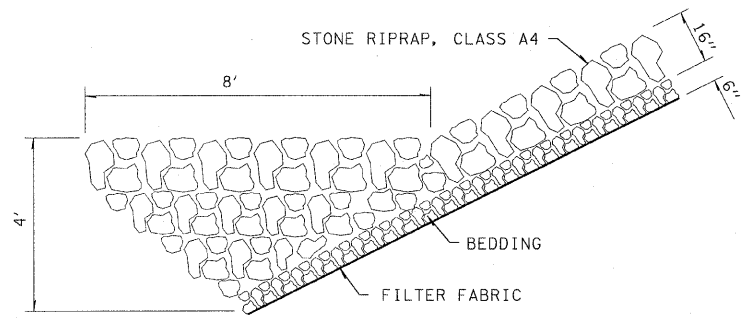
PROJECT 01256
3/15/10-MDS

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CORPORATE HEADQUARTERS
3000 CONSTITUTION DRIVE
SPRINGFIELD, ILLINOIS 62702
PROFESSIONAL ENGINEER FIRM NO. 0218
REGISTERED IN ILLINOIS, MISSOURI, MISSISSIPPI, KENTUCKY
618-752-8844 FAX 618-752-8227 P.O. BOX 1000 SPRINGFIELD, ILLINOIS 62702

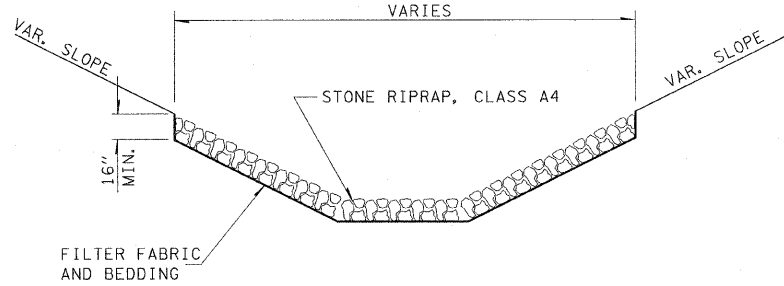
DESIGN		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	295

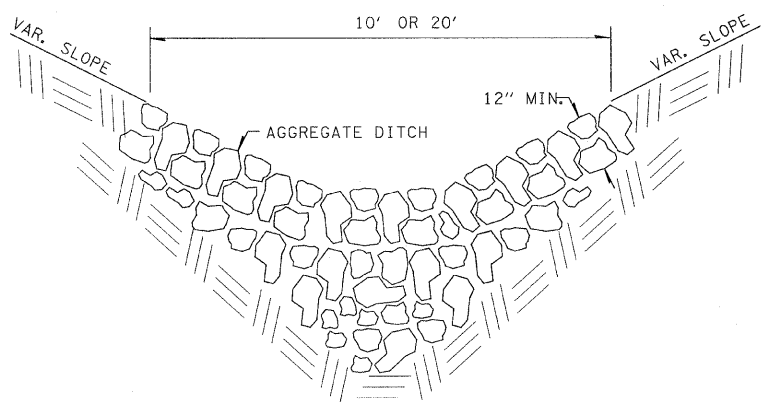
STA.	TO STA.
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
*(5,6)Y,RS-2,6BR-7	
CONTRACT NO. 94437	



STONE RIPRAP ANCHOR DETAIL



DETAIL OF RIPRAP, CLASS A4



DETAIL OF STONE RIPRAP DITCH

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

STATION	OFFSET	LENGTH	WIDTH	TURF REINFORCEMENT	STONE RIPRAP, CLASS A4	REMOVE EXISTING RIPRAP	FILTER FABRIC	STONE RIPRAP, CLASS A2
STA. 715+25	71' RT.	21	21		98		98	
STA. 729+72.50 (SN 040-0021)					655		655	
STA. 730+28 TO STA. 734+50	42.5' RT.	345	45	1723	356		356	
STA. 810+48.58	40' RT.	40	30	134				
STA. 917+44.52	40' LT.	50	40		222		222	
	40' RT.	40	30		134		134	
STA. 925+00	60' LT.	16	10					158
STA. 976+25 TO STA. 981+45	50' LT.	475	60	3170		621		
STA. 981+70	35' LT.	20	20					44
STA. 882+50	45' RT.	21	21		49		49	
STA. 1048+03	77' RT.	21	21		98		98	
STA. 1081+25	70' RT.	21	12		56		56	
STA. 1178+20	40' LT.	30	30		100		100	
STA. 1178+20	40' RT.				285		285	
STA. 1204+00	40' RT.	27	10					30
STA. 1271+64	25' LT.	42	30		140		140	
STA. 1271+64	25' RT.	21	30		70		70	
					5027		2263	232

CHECKS		
INT.	DATE	REASON

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**AGGREGATE DITCH,
 SPECIAL STONE RIPRAP
 DETAIL AND SCHEDULES**
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 09/18/02

DRAWN BY: BISHOP
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
 200 SOUTH MAIN STREET
 SPRINGFIELD, ILLINOIS 62761-1000
 PROFESSIONAL ENGINEER LICENSE NO. 035-05010
 OFFICE: 217-223-8900 FAX: 217-223-8901

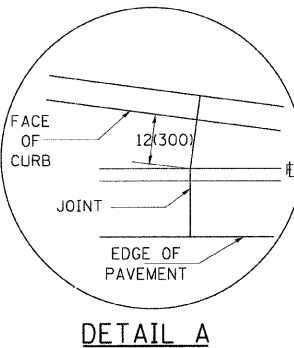
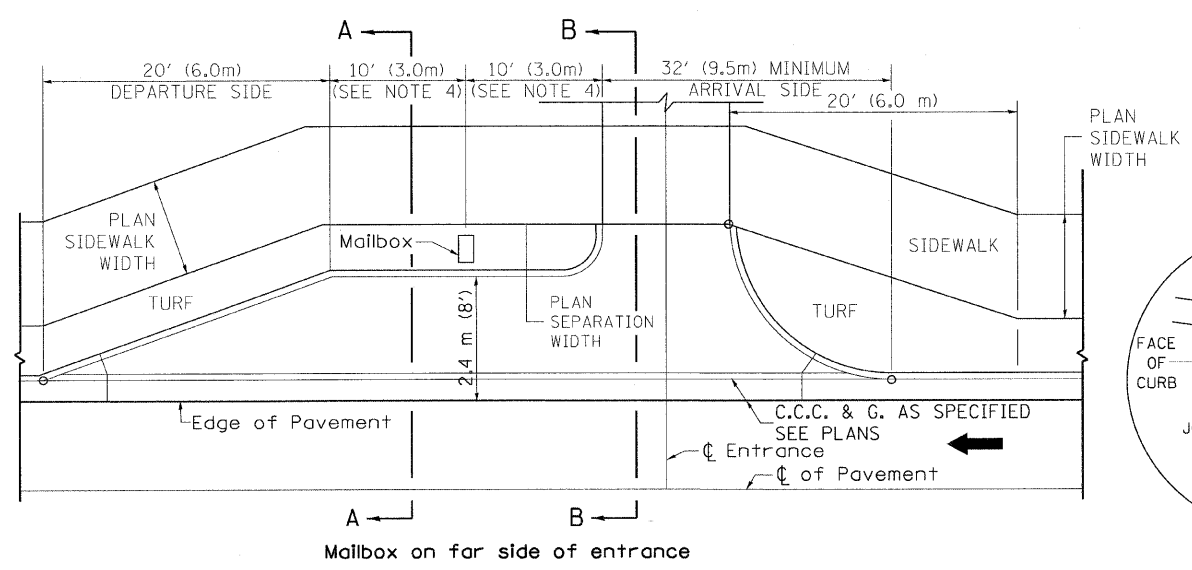
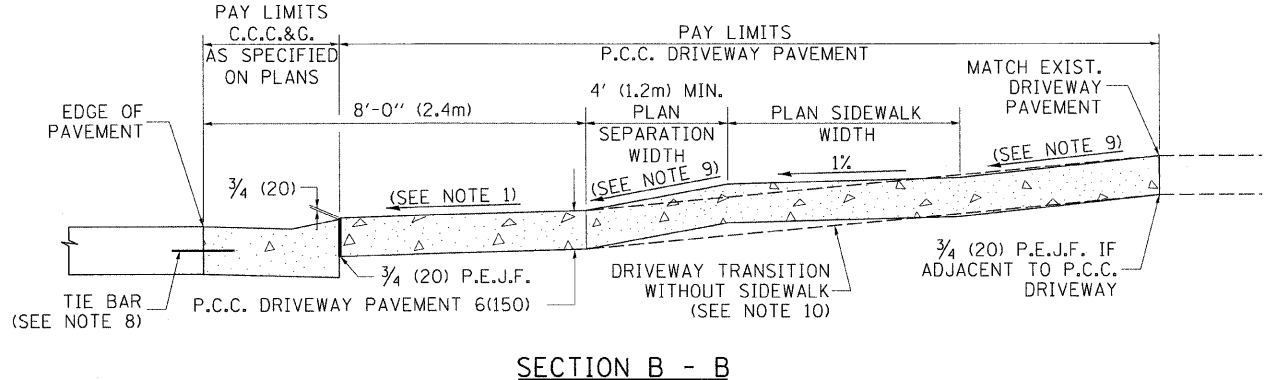
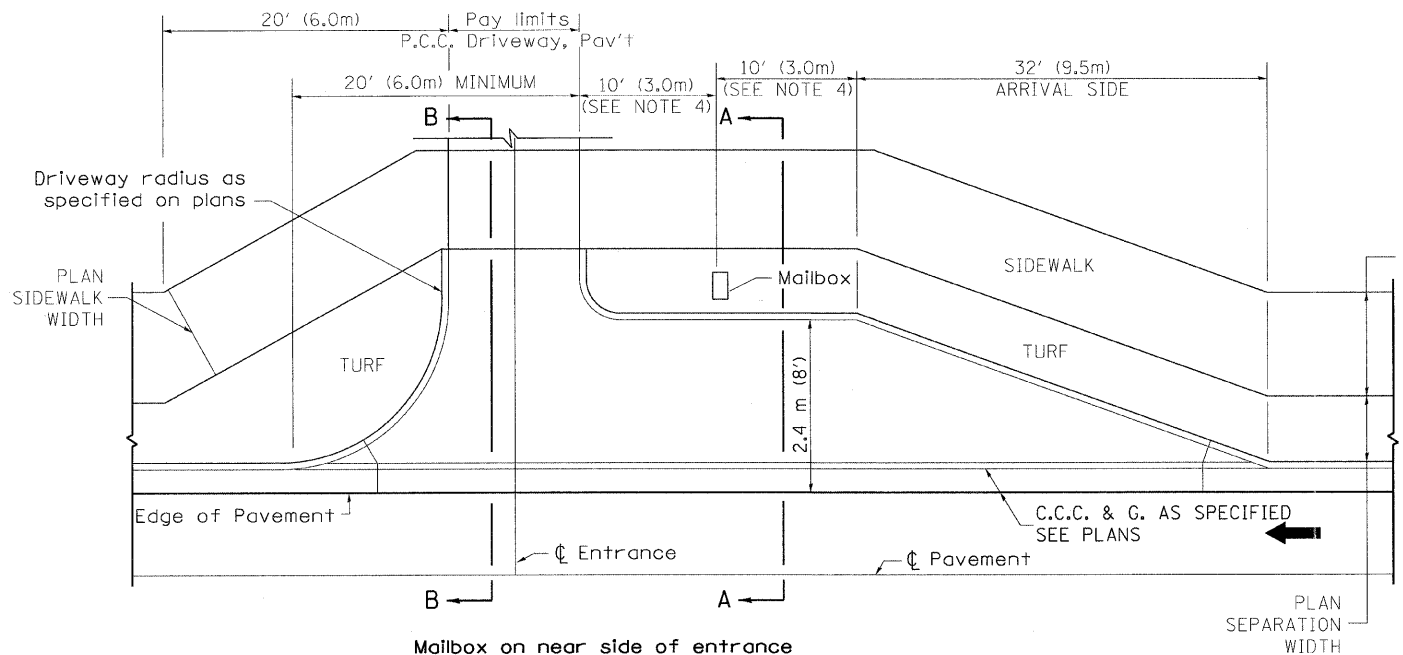
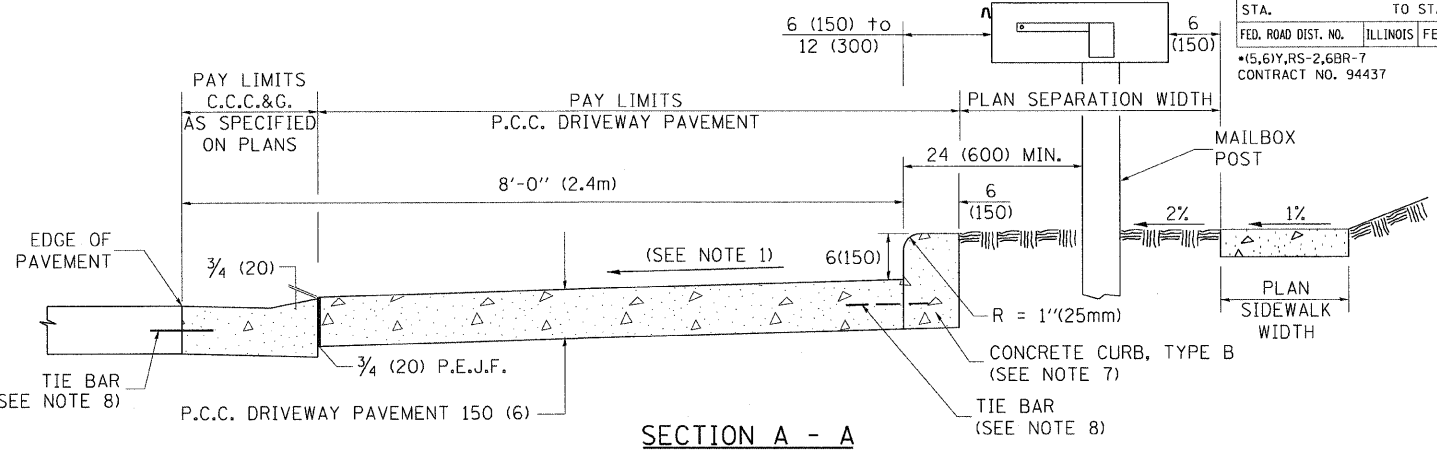
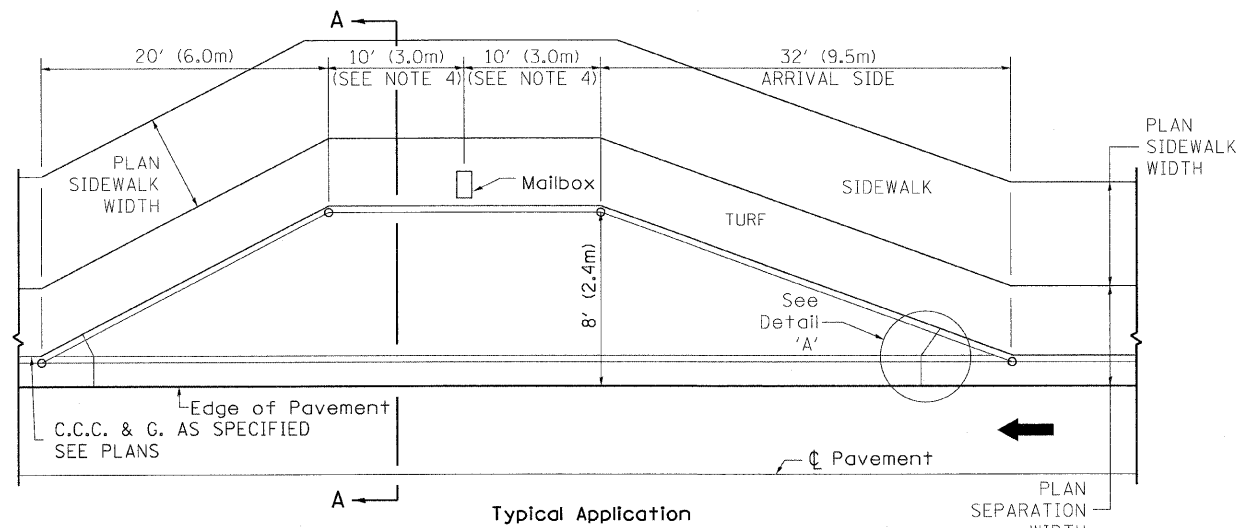
COMPUTER FILE NO.
 DETAILS - 50
 PROJECT 01256
 3/16/10-MDS

DESIGN		
INT.	DATE	REASON

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

CHECKS		
INT.	DATE	REASON

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	296
STA.	TO STA.			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*15.61Y,RS-2,6BR-7				
CONTRACT NO. 94437				



GENERAL NOTES

1. Cross slope 2% to 4% (max) adjacent to normal crown roadway. See plans for turnout slopes on super elevated horizontal curves.
2. Mailboxes shall be mounted such that the face of the mailbox is 6(150) to 12(300) and the post a minimum of 24(600) from the face of the turnout curb.
3. The mailbox turnout shall be constructed according to Section 423 of the Standard Specification, with grooves at approximately 10'-0" (3.0 m) centers.
4. If more than one mailbox is present, this dimension shall be measured from the end box in each direction.
5. Refer to the plans for entrance width, length and surface type.
6. Driveway curbs shall be tapered from the full height to ground level in a distance of approximately 24(600) when applicable.
7. The Concrete Curb, Type B shall be included in the cost of P.C.C. Driveway Pavement. It is the contractor's option to pour the Concrete Curb, Type B monolithically with the driveway pavement. If it is poured separately, the Concrete Curb, Type B shall be constructed in accordance with Standard 606001 and connected to the proposed Driveway Pavement with tie bars.
8. Tie bars shall be placed in accordance with Standard 606001 and shall be included in the cost of the specified C.C.C.&G.
9. Cross slope to be constructed as given in the plans and District CADD Standards for urban entrances.
10. Where there is no sidewalk behind proposed turnout, the cross slope is to be constructed as given in the plans from back of turnout to where driveway matches existing.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
MAILBOX TURNOUTS IN CURB AND GUTTER SECTION
 FAP ROUTE 95 (IL RTE. 33)
 SECTION (5,6)Y,RS-2,6BR-7
 JASPER COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE: 09/18/02

GREENE & BRADFORD, INC.
OF SPRINGFIELD

DRAWN BY: BISHOP
 DESIGNED BY: COLBROOK
 CHECKED BY: COLBROOK

COMPUTER FILE NO.
 DETAILS - 50
 PROJECT 01256
 02/26/10-FAV

NOT TO SCALE
 Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

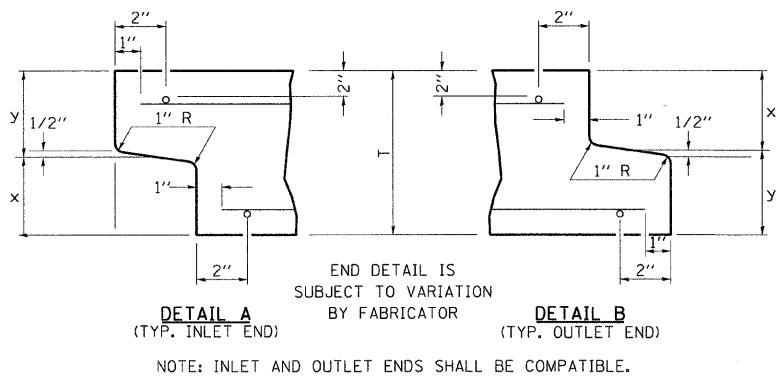
DESIGN		
INT.	DATE	REASON

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

CHECKS		
INT.	DATE	REASON

DETAIL OF PRECAST CONCRETE BOX CULVERT M273

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	299
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*15.61Y,RS-2,6BR-7 CONTRACT NO. 94437				



AASHTO DESIGNATION M273 (WITH LESS THAN 2' OF COVER)

DESIGN LOADING:
TABLE 1 = HS20
TABLE 2 = INTERSTATE LOADING

CULVERT SIZE (FEET)		DIMENSIONS * (INCHES)		
SPAN	RISE	T _T	T _B	T _S
3	2	7	6	4
3	3	7	6	4
4	2	7 1/2	6	5
4	3	7 1/2	6	5
4	4	7 1/2	6	5
5	3	8	7	6
5	4	8	7	6
5	5	8	7	6
6	3	8	7	7
6	4	8	7	7
6	5	8	7	7
6	6	8	7	7
7	4	8	8	8
7	5	8	8	8
7	6	8	8	8
7	7	8	8	8
8	4	8	8	8
8	5	8	8	8
8	6	8	8	8
8	7	8	8	8
8	8	8	8	8
9	5	9	9	9
9	6	9	9	9
9	7	9	9	9
9	8	9	9	9
9	9	9	9	9
10	5	10	10	10
10	6	10	10	10
10	7	10	10	10
10	8	10	10	10
10	9	10	10	10
10	10	10	10	10
11	4	11	11	11
11	6	11	11	11
11	8	11	11	11
11	10	11	11	11
11	11	11	11	11
12	4	12	12	12
12	6	12	12	12
12	8	12	12	12
12	10	12	12	12
12	12	12	12	12

GENERAL NOTES

SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS.

MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED IN ACCORDANCE WITH ARTICLE 504.06 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE TERMS A_{s1}, A_{s2}, ETC. DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN AASHTO M273.

REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO AASHTO SPECIFICATIONS M55 OR M221. LONGITUDINAL DISTRIBUTION REINFORCEMENT MAY CONSIST OF WELDED WIRE FABRIC OR DEFORMED BARS CONFORMING TO AASHTO M31, GRADE 60, AND SHALL BE A706.

LIFTING HOLES SHALL BE FILLED IN ACCORDANCE WITH 540.02 OR PROJECT SPECIAL PROVISIONS.

DRAINAGE OPENINGS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 503.11 OF THE STANDARD SPECIFICATIONS. LOCATION AND SPACING OF THE OPENINGS SHALL BE SHOWN ON THE SHOP DRAWINGS.

THE P.C.C. PAVEMENT PATCH REINFORCED WITH PAVEMENT FABRIC (STANDARD 420701) WILL BE CONSTRUCTED OVER THE CULVERT. THE PATCH SHALL BE FULL PAVEMENT WIDTH, AND THE LENGTH SHALL EXTEND 2' BEYOND EACH SIDE OF THE CULVERT.

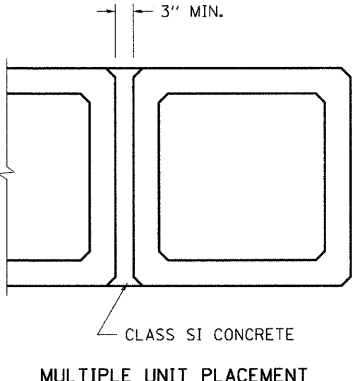
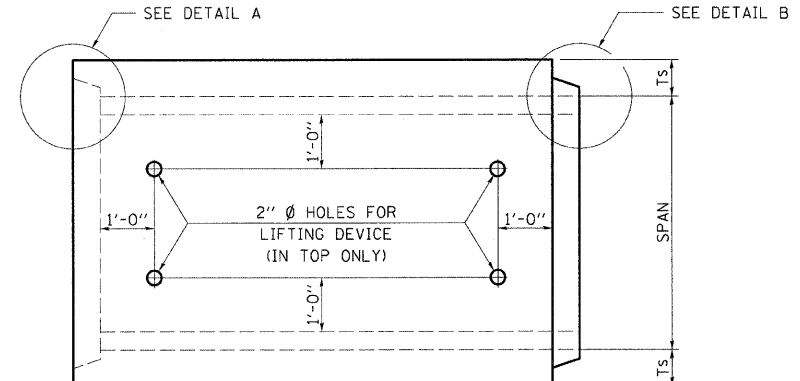
DESIGN FILL HEIGHT (F):

MAXIMUM FILL HEIGHT (f_{max}) AND MINIMUM FILL HEIGHT (f_{min}) ARE MEASURED BETWEEN THE EXTREME EDGES OF SHOULDER.

f _{max} /f _{min} (FT)	F (FT)	AASHTO
f _{min} < 2'	< 2'	M273
2' ≤ f _{min} < 3'	2'	M259
3' ≤ f _{min} < 4'	3'	M259
f _{min} ≥ 4'	f _{max}	M259

DESIGN FILL HEIGHTS APPLY TO ENTIRE CULVERT, INCLUDING EXTENSIONS AND END SECTIONS.

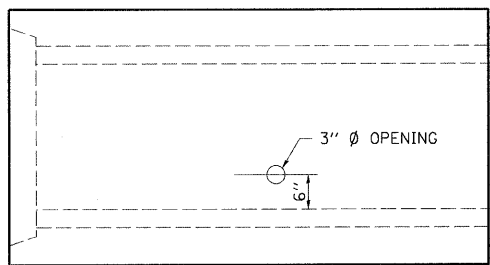
* "T" MAY BE LARGER THAN SHOWN ON TABLE, PER AASHTO SPECIFICATIONS.



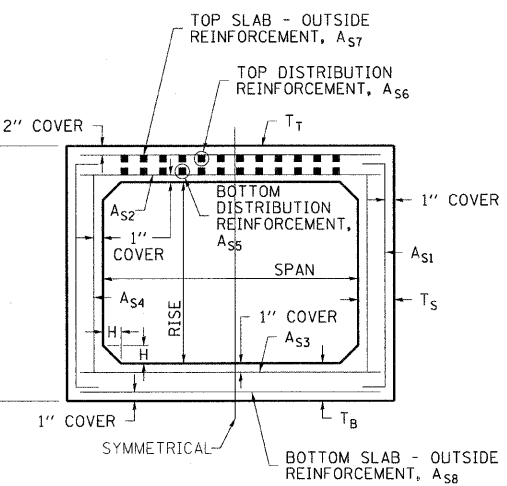
PLAN
LOCATION OF LIFTING HOLES MAY BE VARIED AS NEEDED TO CLEAR REINFORCEMENT.

SECTION LENGTH

WHEN EXTENDING AN EXISTING BOX, PLACE THIS END AGAINST THE EXISTING HEADWALL.



ELEVATION



CROSS SECTION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAIL OF PRECAST CONCRETE BOX CULVERT SECTION

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE: 09/18/02

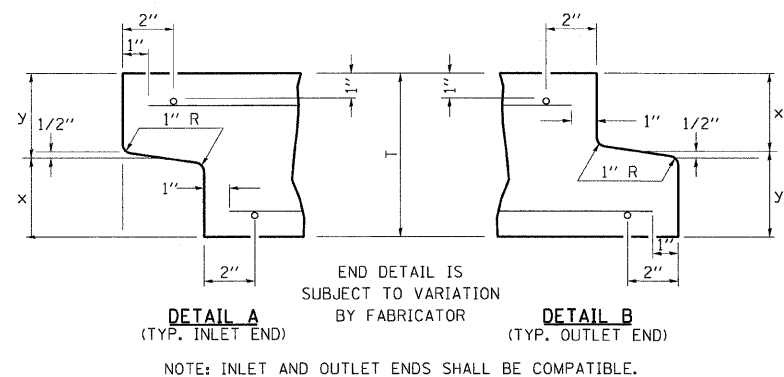
DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

COMPUTER FILE NO. PRECAST - 50
PROJECT 01256
2/26/10-FAV

DESIGN		
INT.	DATE	REASON

DETAIL OF PRECAST CONCRETE BOX CULVERT M259

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95		JASPER	546	300
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*15.61Y,RS-2,6BR-7				
CONTRACT NO. 94437				



AASHTO DESIGNATION M259 (WITH 2' OR MORE COVER)

DESIGN LOADING:
TABLE 1 = HS20
TABLE 2 = INTERSTATE LOADING

END DETAIL IS SUBJECT TO VARIATION BY FABRICATOR
DETAIL A (TYP. INLET END) **DETAIL B** (TYP. OUTLET END)
NOTE: INLET AND OUTLET ENDS SHALL BE COMPATIBLE.

CULVERT SIZE	DIMENSIONS **		
	T (INCHES)	A FT-IN	B FT-IN
2x2	4	2-8	2-8
3x2	4	3-8	2-8
3x3	4	3-8	3-8
4x2	5	4-10	2-10
4x3	5	4-10	3-10
4x4	5	4-10	4-10
5x2	6	6-0	3-0
5x3	6	6-0	4-0
5x4	6	6-0	5-0
5x5	6	6-0	6-0
6x2	7	7-2	3-2
6x3	7	7-2	4-2
6x4	7	7-2	5-2
6x5	7	7-2	6-2
6x6	7	7-2	7-2
7x4	8	8-4	5-4
7x5	8	8-4	6-4
7x6	8	8-4	7-4
7x7	8	8-4	8-4
8x4	8	9-4	5-4
8x5	8	9-4	6-4
8x6	8	9-4	7-4
8x7	8	9-4	8-4
8x8	8	9-4	9-4
9x5	9	10-6	6-6
9x6	9	10-6	7-6
9x7	9	10-6	8-6
9x8	9	10-6	9-6
9x9	9	10-6	10-6
10x5	10	11-8	6-8
10x6	10	11-8	7-8
10x7	10	11-8	8-8
10x8	10	11-8	9-8
10x9	10	11-8	10-8
10x10	10	11-8	11-8
11x4	11	12-10	5-10
11x6	11	12-10	7-10
11x8	11	12-10	9-10
11x10	11	12-10	11-10
11x11	11	12-10	12-10
12x4	12	14-0	6-0
12x6	12	14-0	8-0
12x8	12	14-0	10-0
12x10	12	14-0	12-0
12x12	12	14-0	14-0

GENERAL NOTES

SHOP PLANS FOR THE REINFORCEMENT SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS.

MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED IN ACCORDANCE WITH ARTICLE 540.06 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE TERMS A_{s1} , A_{s2} , A_{s3} , AND A_{s4} DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN AASHTO M259. REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO AASHTO SPECIFICATIONS M55 OR M221.

LIFTING HOLES SHALL BE FILLED IN ACCORDANCE WITH 540.06 OR PROJECT SPECIAL PROVISIONS.

DRAINAGE OPENINGS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 503.11 OF THE STANDARD SPECIFICATIONS. LOCATION AND SPACING OF THE OPENINGS SHALL BE SHOWN ON THE SHOP DRAWINGS.

DESIGN FILL HEIGHT (F):

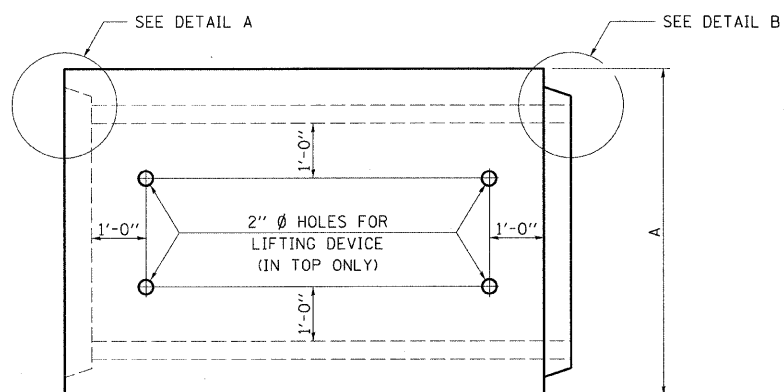
MAXIMUM FILL HEIGHT (f_{max}) AND MINIMUM FILL HEIGHT (f_{min}) ARE MEASURED BETWEEN THE EXTREME EDGES OF SHOULDER.

f_{max}/f_{min} (FT)	F (FT)	AASHTO
$f_{min} < 2'$	$< 2'$	M273
$2' \leq f_{min} < 3'$	2'	M259
$3' \leq f_{min} < 4'$	3'	M259
$f_{min} \geq 4'$	f_{max}	M259

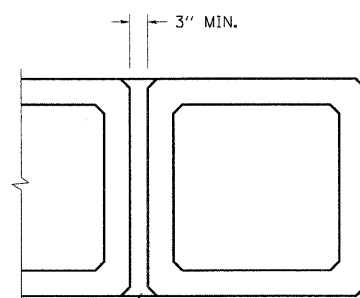
DESIGN FILL HEIGHTS APPLY TO ENTIRE CULVERT, INCLUDING EXTENSIONS AND END SECTIONS.

* NON-STANDARD SIZES PER AASHTO.

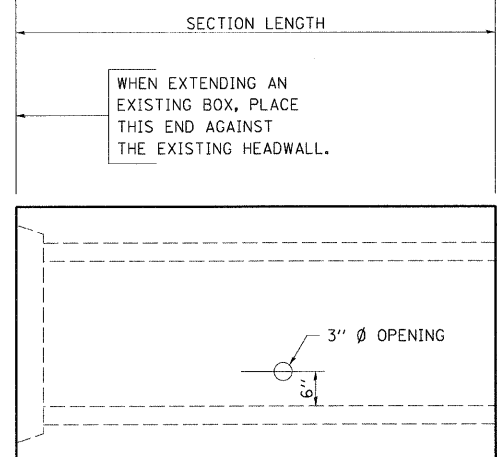
** "T" MAY BE LARGER THAN SHOWN ON TABLE, PER AASHTO SPECIFICATIONS.



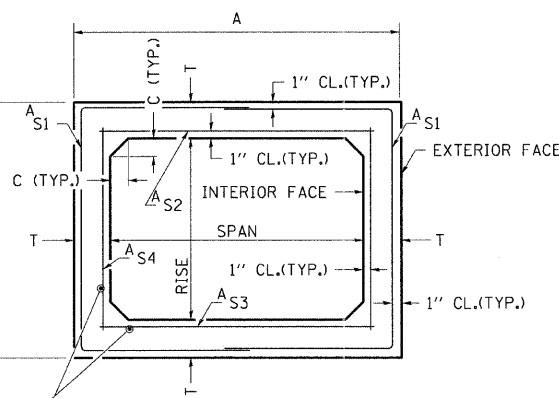
PLAN
LOCATION OF LIFTING HOLES MAY BE VARIED AS NEEDED TO CLEAR REINFORCEMENT.



MULTIPLE UNIT PLACEMENT



ELEVATION



CROSS SECTION

PLOTS & CHECKS		
INT.	DATE	REASON

CHECKS		
INT.	DATE	REASON

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAIL OF PRECAST CONCRETE BOX CULVERT SECTION
FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. DRAWN BY: BISHOP
 HORIZ. DESIGNED BY: COLBROOK
DATE: 09/18/02 CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
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PROFESSIONAL SURVEYORS
PROFESSIONAL LAND SURVEYORS
2011 785-8844 2011 785-5227 FAX 785-8844 color@greenebro.com

COMPUTER FILE NO.
PRECAST - 50
PROJECT 01256
2/26/10-FAV