

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

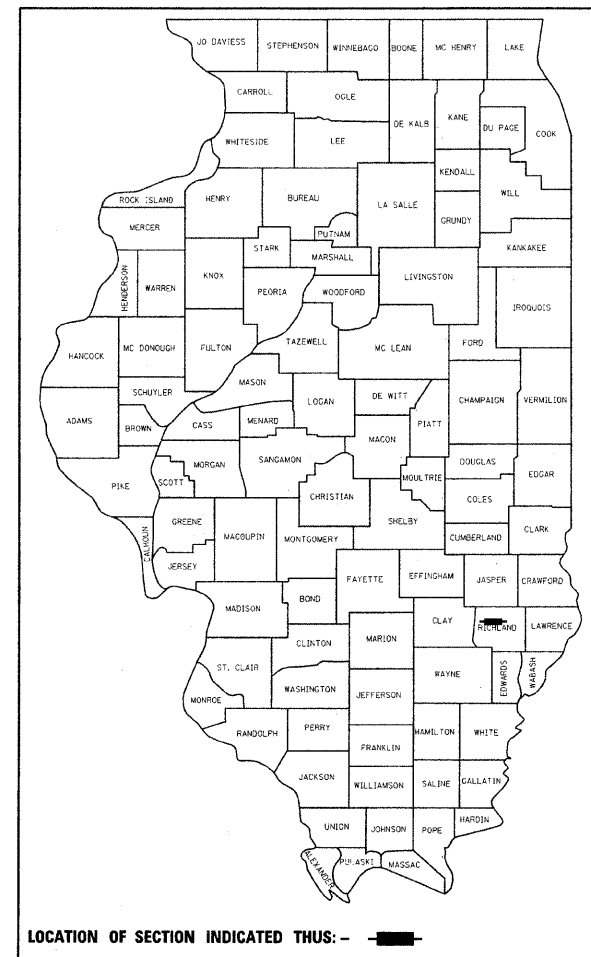
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FAS ROUTE 1720 (IL 250)
SECTION 5B-1
PROJECT - -
BRIDGE REPLACEMENT
RICHLAND COUNTY

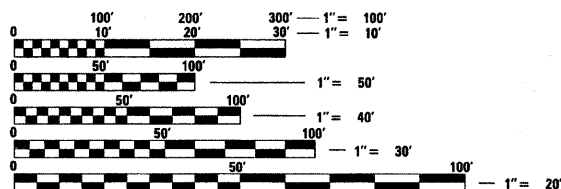
C-97-040-03

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1720	5B-1	Richland	14	1
		ILLINOIS	CONTRACT NO. 94992	

D-97-027-03



2007 ADT = 2050

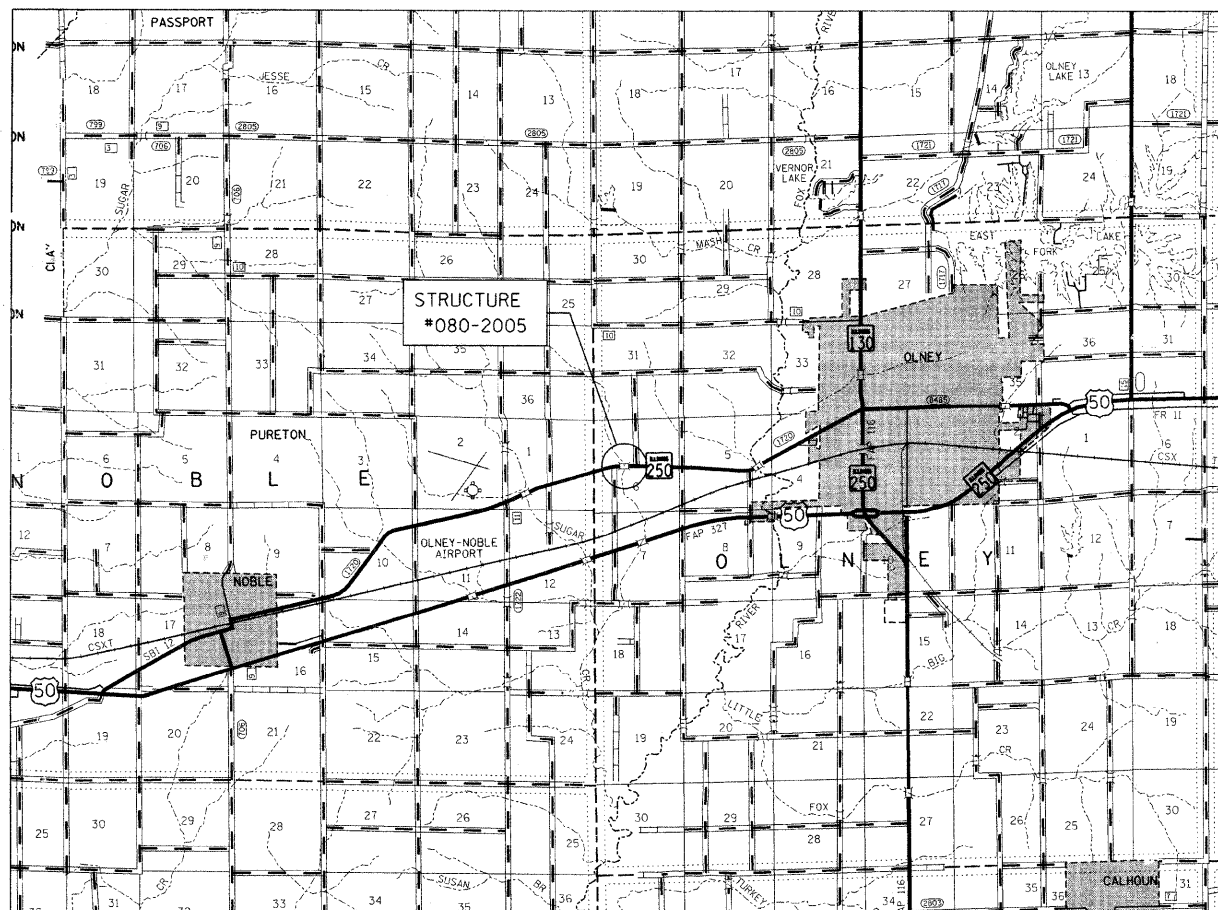


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: MARK DAUGHERTY
PROJECT MANAGER: BRIAN LEWIS

CONTRACT NO. 94992



GROSS LENGTH = 525 FT. = 0.1 MILE
NET LENGTH = 525 FT. = 0.1 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED January 13, 2010

Scott E. Steil, P.E.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 19, 2010
Scott E. Steil, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2010
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" INDICATED ON THE CHECK SHEET, AND "THE SPECIAL PROVISIONS" INCLUDED IN THE PROPOSAL.

THE WORK INCLUDED IN THIS SECTION CONSISTS OF REMOVAL OF THE EXISTING BRIDGE, CONSTRUCTION OF A DOUBLE-BARREL PRE-CAST BOX CULVERT WITH CAST-IN-PLACE END SECTIONS, SOLDIER PILE RETAINING WALLS, CONSTRUCTION OF PCC PAVEMENT, AGGREGATE SHOULDER, GUARDRAIL, AND ALL OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

ALL ELEVATIONS SHOWN IN PLANS ARE BASED ON U.S.G.S. DATUM. BENCHMARK IS LOCATED ON TOP OF EXISTING WINGWALL AT THE NORTHEAST CORNER. ELEVATION IS 438.08.

THE EXISTING ET-2000 GUARDRAIL TERMINALS SHALL REMAIN THE PROPERTY OF IDOT AND SHALL BE DELIVERED TO THE OPERATIONS YARD SOUTH OF OLNEY.

USE POROUS GRANULAR EMBANKMENT, RIPRAP, AND/OR AGGREGATE SHOULDER TO BACKFILL AROUND NEW WINGWALLS INSTEAD OF SOIL. THIS WILL PREVENT EROSION AND ELIMINATE THE NEED FOR SEEDING.

THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. FIELD MARKINGS OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 96 HOURS ADVANCE NOTICE THROUGH THE J.U.L.I.E. SYSTEM BY CALLING 800-892-0123.

INDEX OF SHEETS

SHEET NO	TITLE
1	COVER SHEET
2	GENERAL NOTES, INDEX OF SHEETS
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5	SCHEDULES & DETAILS
6	PLAN AND PROFILE SHEET
7-8	DETOUR PLAN
9-13	CULVERT SN 080-2005 DETAILS
14	BORING LOGS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-07	PAVEMENT JOINTS
420601-05	7.2 M (24') PCC PAVEMENT
420701-02	PAVEMENT FABRIC
515001-03	NAME PLATE FOR BRIDGES
630001-08	STEEL PLATE BEAM GUARDRAIL
630101-08	GUARDRAIL MOUNTED ON EXISTING CULVERTS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-02	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
BLR-21-3	TYP. APPL. OF T.C.D. FOR CONST. ON RURAL LOCAL HIGHWAYS

701301-03

FILE NAME =	USER NAME = teasleyck	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & INDEX OF SHEETS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 1/13/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			

SUMMARY OF QUANTITIES			100% STATE	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	X028-2A		
20700110	POROUS GRANULAR EMBANKMENT	TON	585	585		
28100107	STONE RIPRAP, CLASS A4	SQ YD	130	130		
28200200	FILTER FABRIC	SQ YD	130	130		
31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	37	37		
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SQ YD	144	144		
42001200	PAVEMENT FABRIC	SQ YD	144	144		
44000100	PAVEMENT REMOVAL	SQ YD	144	144		
48101200	AGGREGATE SHOULDERS, TYPE B	TON	66	66		
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	82	82		
51500100	NAME PLATES	EACH	1	1		
X5400900	BOX CULVERT END SECTIONS, SPECIAL	EACH	2	2		
54021207	PRECAST CONCRETE BOX CULVERT (M273)	FOOT	78	78		
*63000003	STEEL PLATE BEAM GUARD RAIL, TYPE A, 9 FOOT POSTS	FOOT	487.5	487.5		
*63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	50	50		
*63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4		
63200310	GUARDRAIL REMOVAL	FOOT	525	525		
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3	3		
67100100	MOBILIZATION	L SUM	1	1		
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1		
*78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	350	350		
*78200410	GUARDRAIL MARKERS, TYPE A	EACH	9	9		
*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4		
X0324952	DETOUR SIGNING	L SUM	1	1		
*Z0054505	ROCK FILL - REPLACEMENT	TON	148	148		

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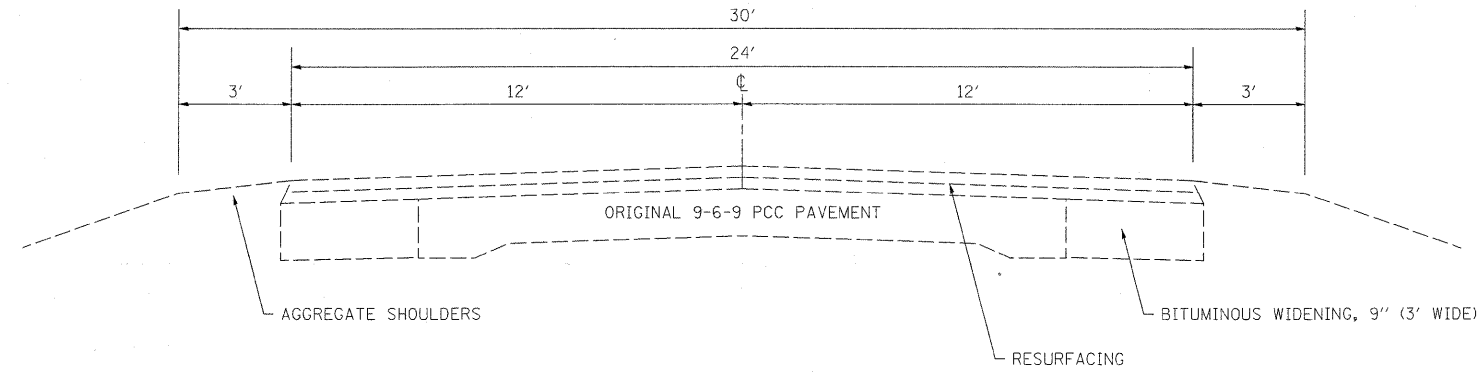
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

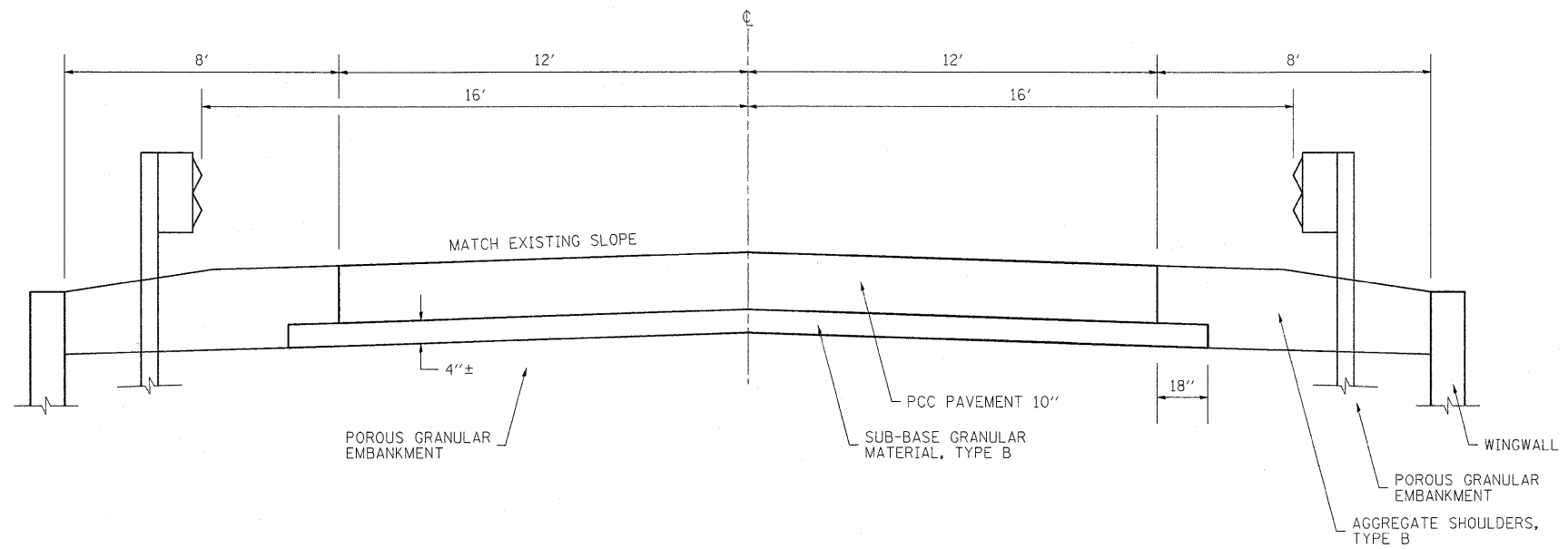
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**Specialty Items* Rev.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1720	58-1	Richland	14	3
			CONTRACT NO. 94992	
ILLINOIS FED. AID PROJECT				



EXISTING ROADWAY TYPICAL SECTION



STA 150+93 TO STA 151+47

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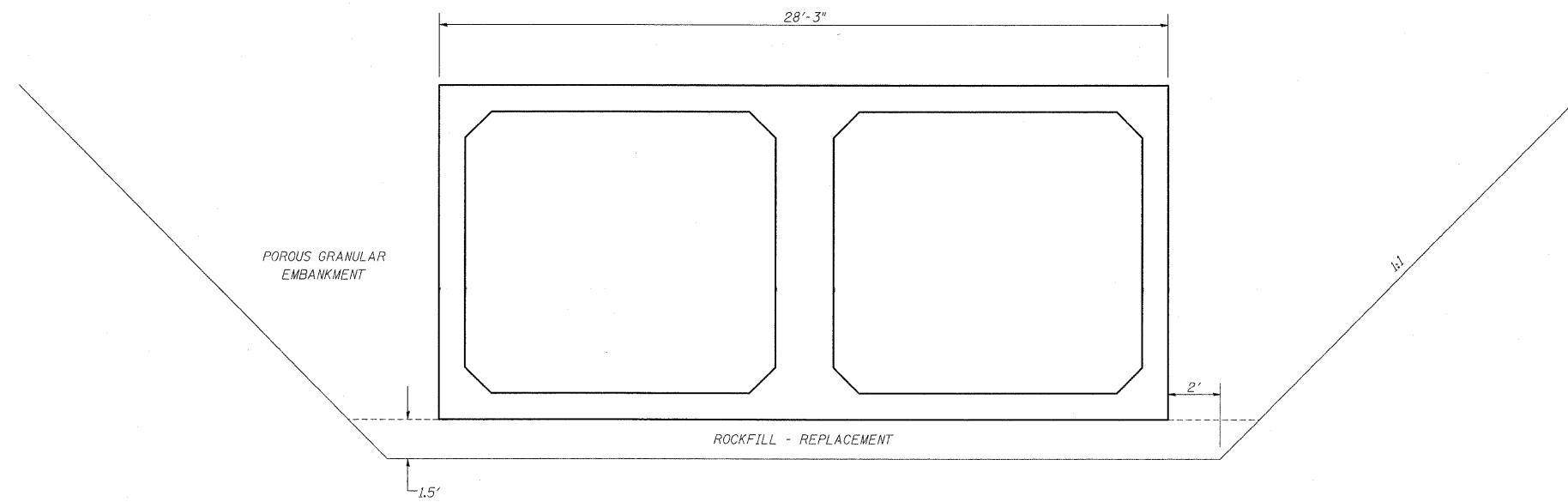
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1720	58-1	Richland	14	4

CONTRACT NO. 94992



EXCAVATION DETAIL

PCC PAVEMENT 10"

STA 150+93 TO 151+47 144 SQ YD

PAVEMENT REMOVAL

STA 150+93 TO 151+47 144 SQ YD

GUARDRAIL REMOVAL

RT STA 149+40 TO 152+15 275 FOOT
 LT STA 150+44 TO 152+94 250 FOOT
 TOTAL 525 FOOT

PAINT PAVEMENT MARKING - LINE 4"

STA 150+66 TO 151+74 EDGE LINES 216
 STA 150+66 TO 151+74 NPZ 108
 STA 150+66 TO 151+74 DASHES 26
 TOTAL 350

GUARDRAIL SCHEDULE

	STEEL PLATE BEAM GUARDRAIL, TYPE A	TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURE	GUARDRAIL MARKER, TYPE A	TERMINAL MARKER, DIRECT APPLIED
	FOOT	EACH	FOOT	EACH	EACH
RT STA 148+20 TO 148+70		1			1
RT STA 148+70 TO 151+07	237.5		25	4	
RT STA 151+07 TO 151+32				1	
RT STA 151+32 TO 151+82	50	1			1
RT STA 151+82 TO 152+32					
LT STA 150+20 TO 150+70		1			1
LT STA 150+70 TO 151+07	37.5		25	1	
LT STA 151+07 TO 151+32					
LT STA 151+32 TO 152+95	162.5	1		3	
LT STA 152+95 TO 153+45					1
TOTALS	487.5	4	50	9	4

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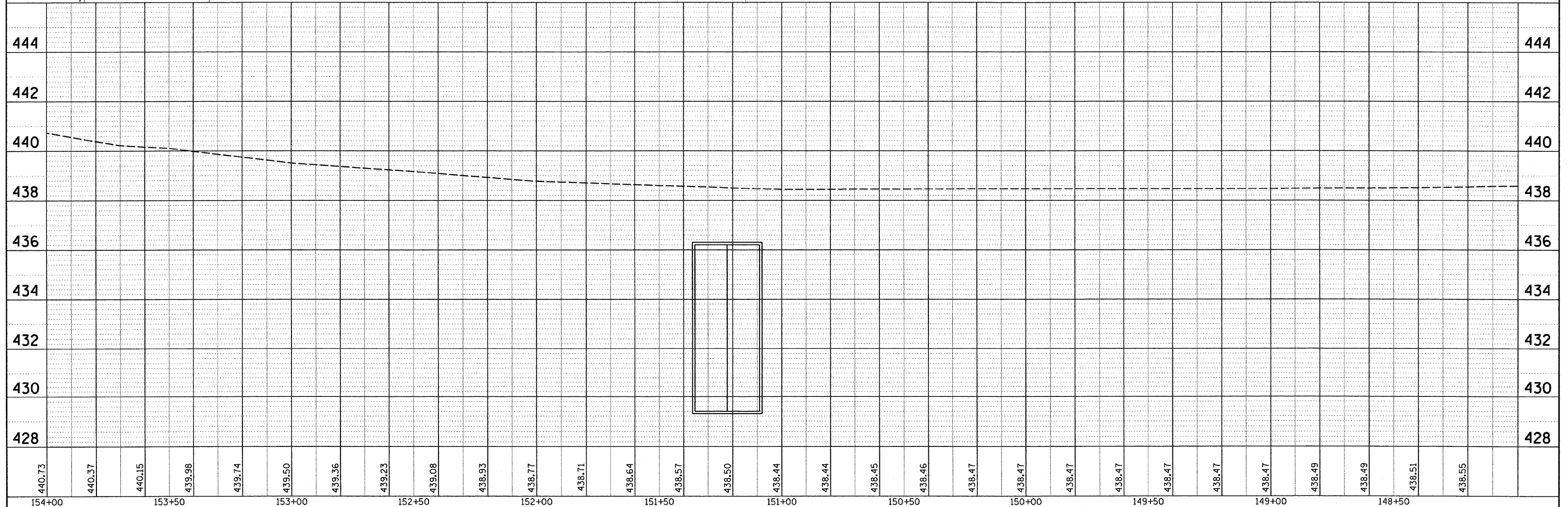
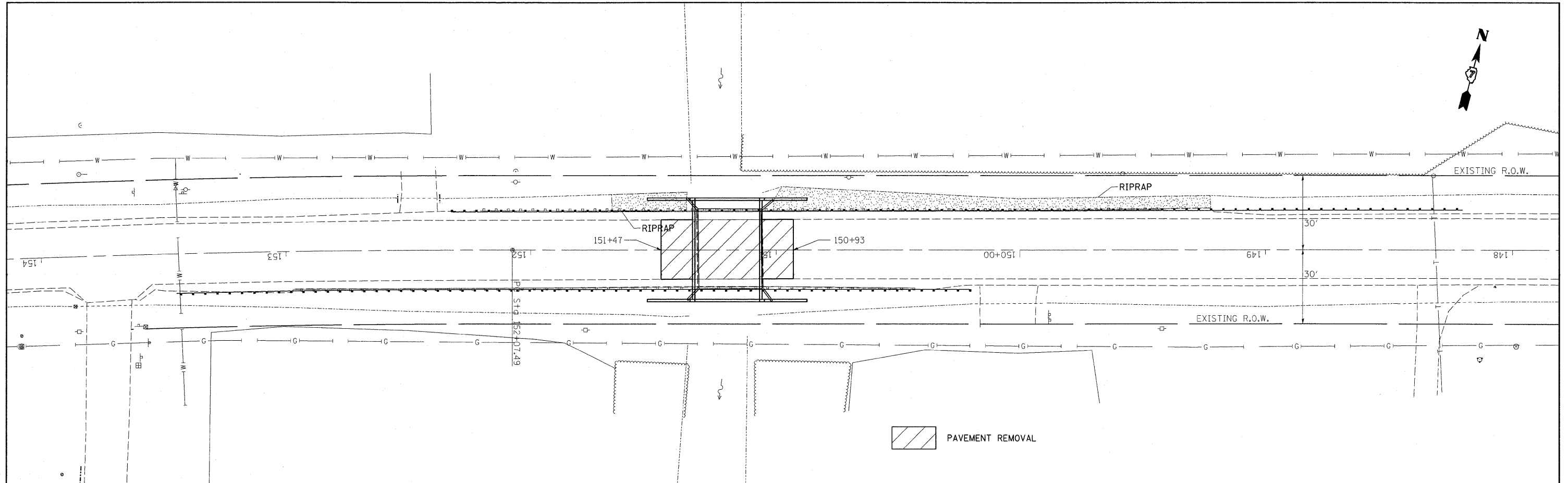
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES & DETAILS			
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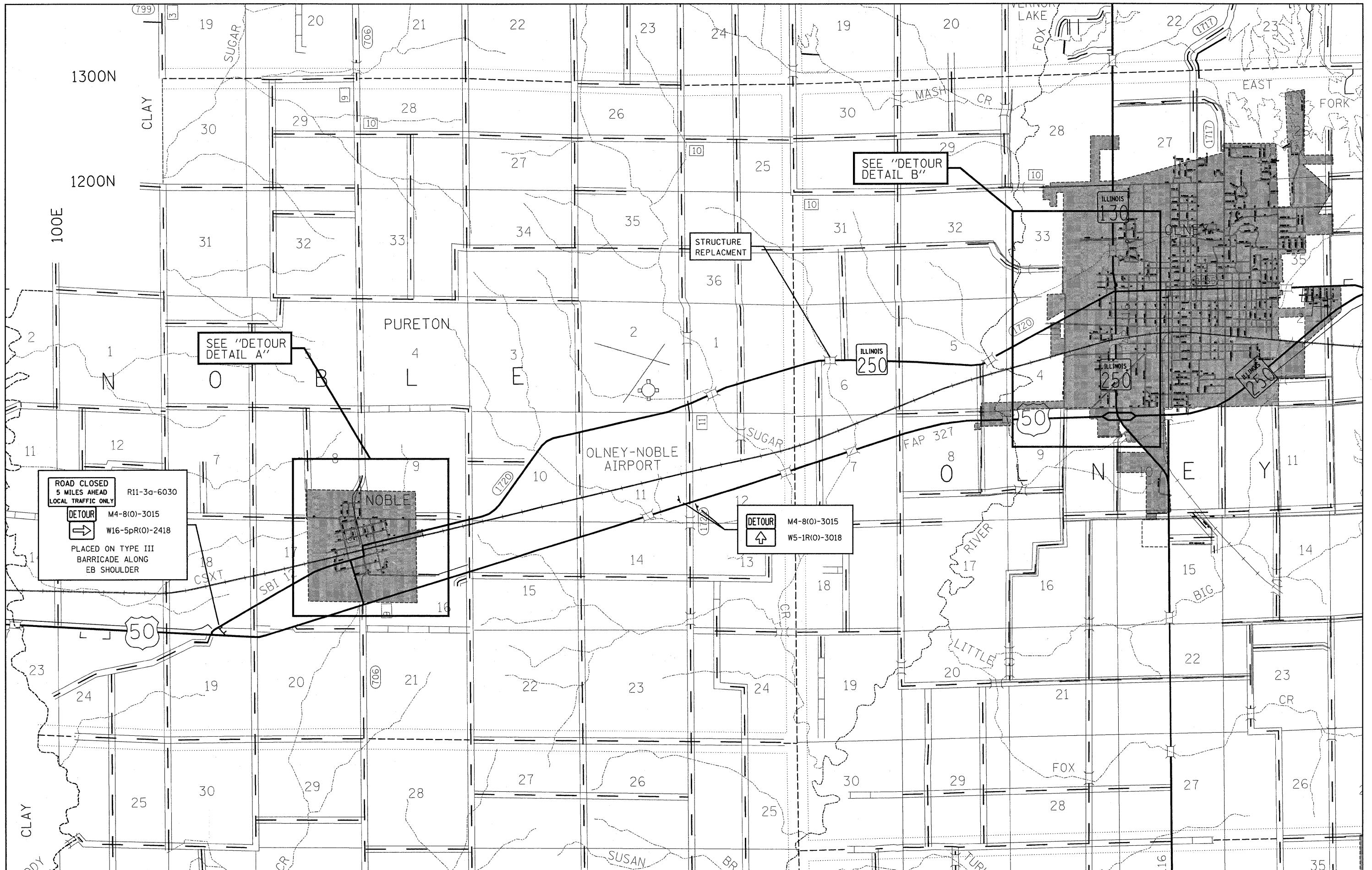
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1720	58-1	Richland	14	5
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 94992	

PLAN SURVEYED _____ BY _____ DATE _____
 PLOTTED _____
 NOTE BOOK NO. _____
 CHECKED _____
 STRUCTURE NOTATION CHKD _____
 CAD FILE NAME _____

PROFILE SURVEYED _____ BY _____ DATE _____
 PLOTTED _____
 NOTE BOOK NO. _____
 CHECKED _____
 STRUCTURE NOTATION CHKD _____



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CONTRACT NO. 94992	SCALE: SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT							
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -							
PLOT DATE = 1/13/2010		DATE -	REVISED -							



ROAD CLOSED
 5 MILES AHEAD
 LOCAL TRAFFIC ONLY
 R11-3a-6030
DETOUR M4-8(O)-3015
 W16-5pR(O)-2418
 PLACED ON TYPE III
 BARRICADE ALONG
 EB SHOULDER

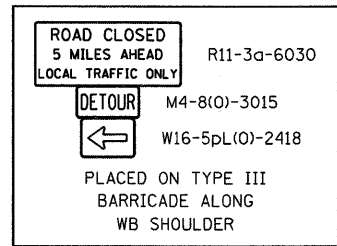
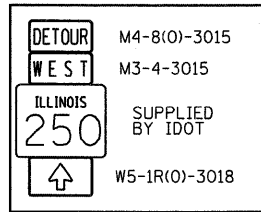
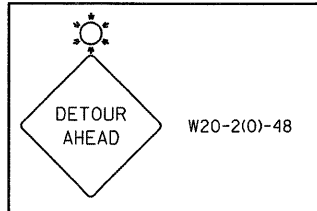
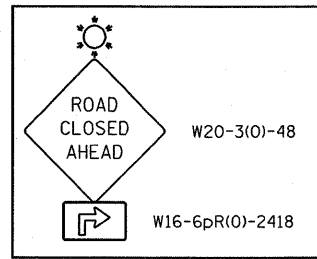
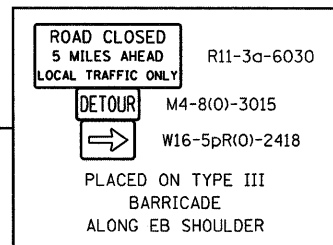
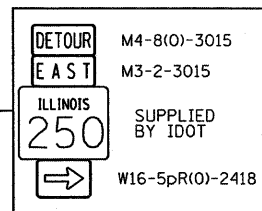
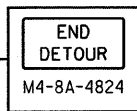
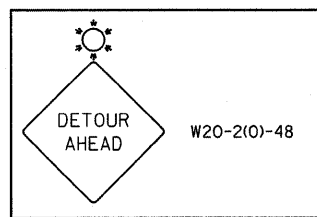
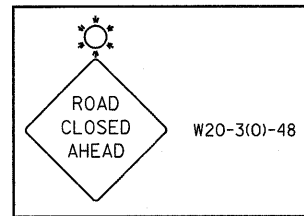
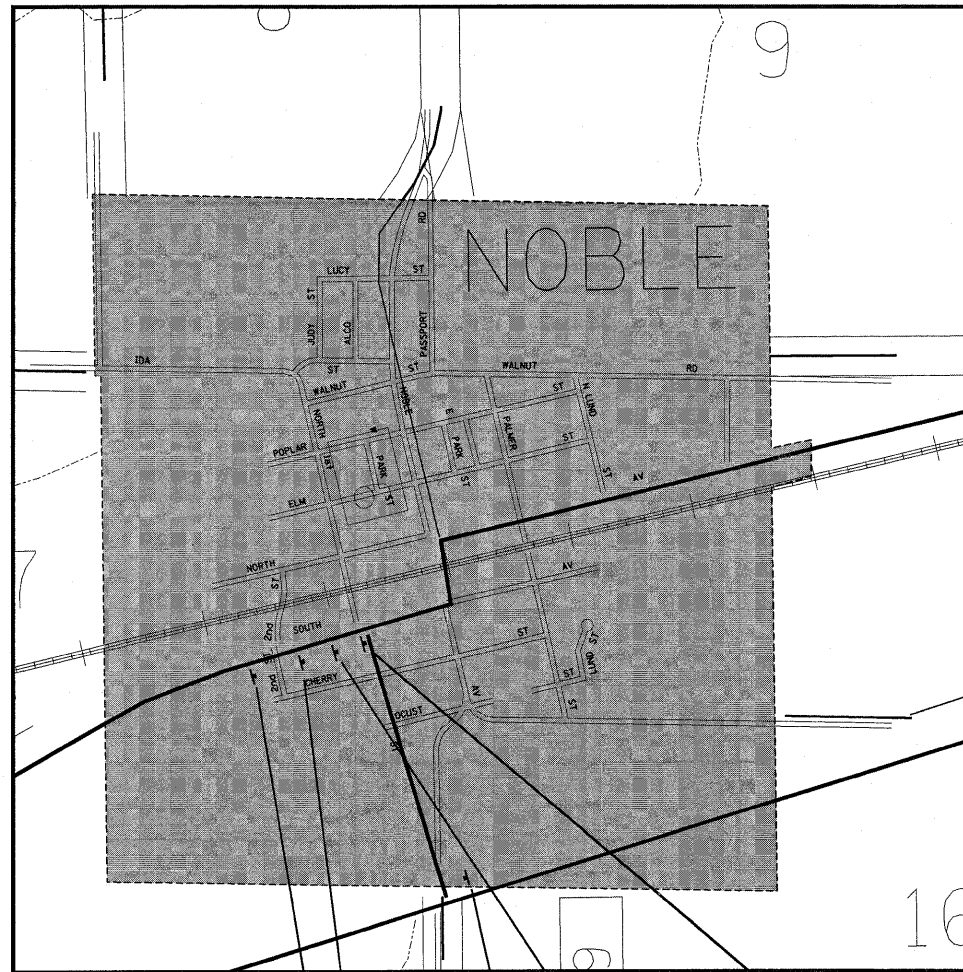
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 W5-1R(O)-3018

SEE "DETOUR
DETAIL B"

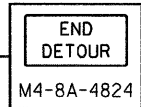
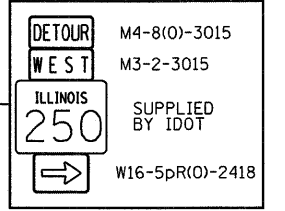
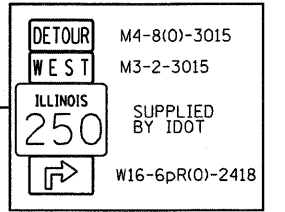
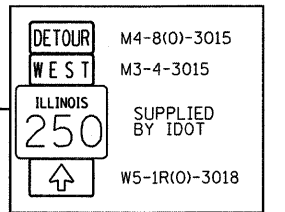
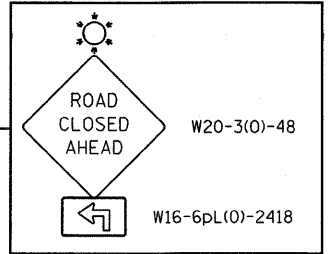
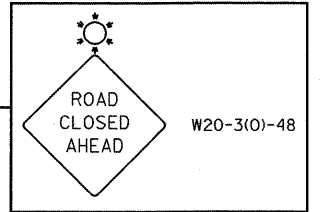
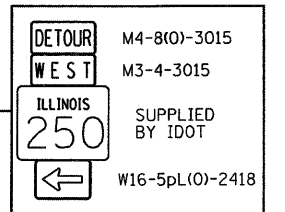
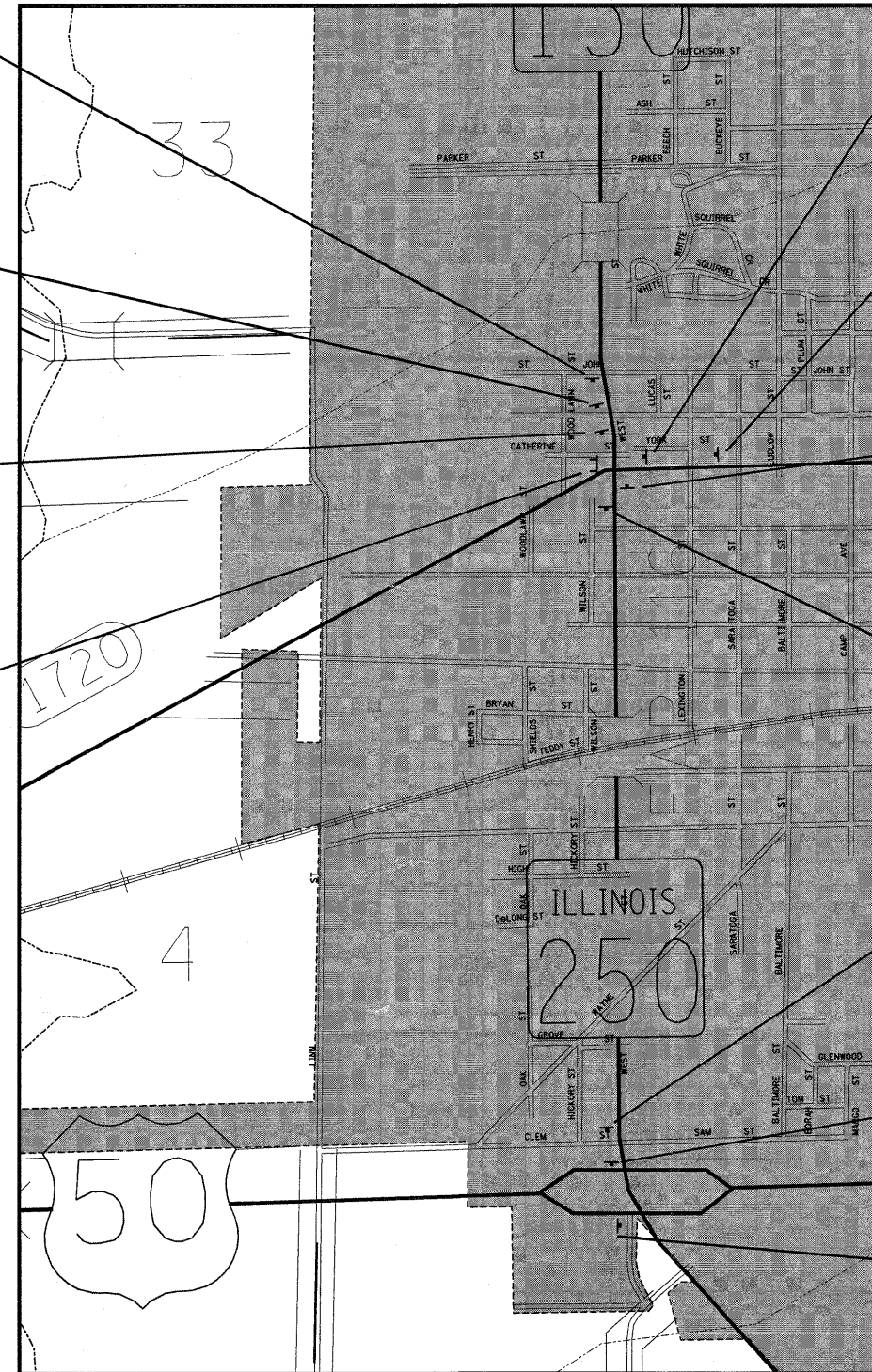
STRUCTURE
REPLACEMENT

SEE "DETOUR
DETAIL A"

DETOUR DETAIL A



DETOUR DETAIL B



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 PLOT DATE = 1/13/2010

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DETOUR SHEET

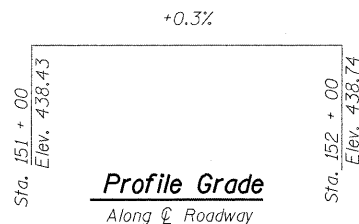
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1720	5B-1	Richland	14	8
CONTRACT NO. 94992				

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

BENCHMARK: ELEV. = 438.08
Cut square on the northeast wingwall
of the existing structure SN 080-0015

EXISTING STRUCTURE: S.N. 080-0015 Was originally constructed in 1916 under SAR-4, Section A as a single span slab superstructure on closed abutments supported by spread footings. The length of the existing structure is 26'-0" and the width is 32'-2" out to out. The existing structure is not skewed and is to be completely removed and replaced. The road will be temporarily closed during construction. No salvage.



Profile Grade
Along \bar{C} Roadway

STATION 151+20
BUILT 20... BY
STATE OF ILLINOIS
F.A.S. RT. 1720 SEC. 5B-1
LOADING HS20
STR. NO. 080-2005

NAME PLATE
See Std. 515001

Index of Sheets

1. General Plan and Elevation
2. Riprap Details
3. & 4. Box Culvert End Section Details
5. Bar Splicer Assembly Details
6. Boring Logs

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)
 f_y = 65,000 psi (welded wire fabric)

PRECAST UNITS

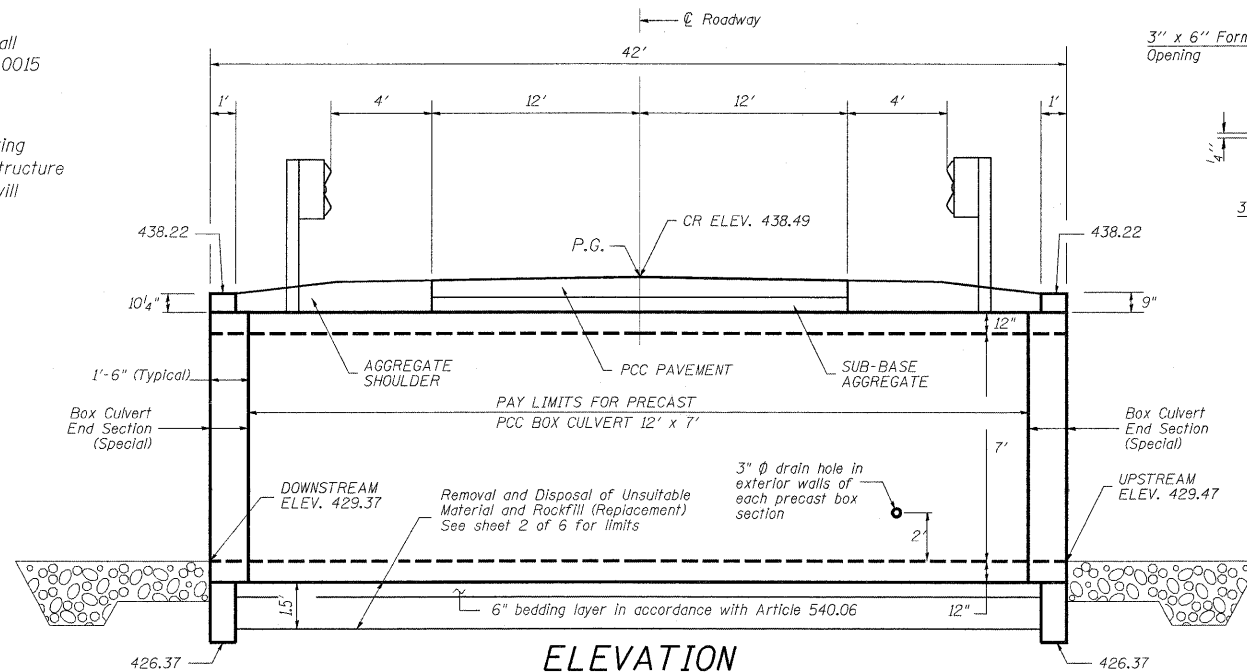
f'_c = 5,000 psi
 f_y = 65,000 psi (welded wire fabric)



Expires 11/30/2010

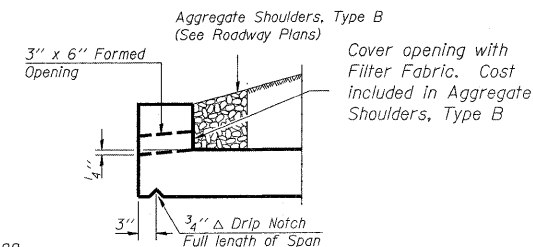
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CHECKED	

March 16, 2010
EXAMINED
PASSED



ELEVATION

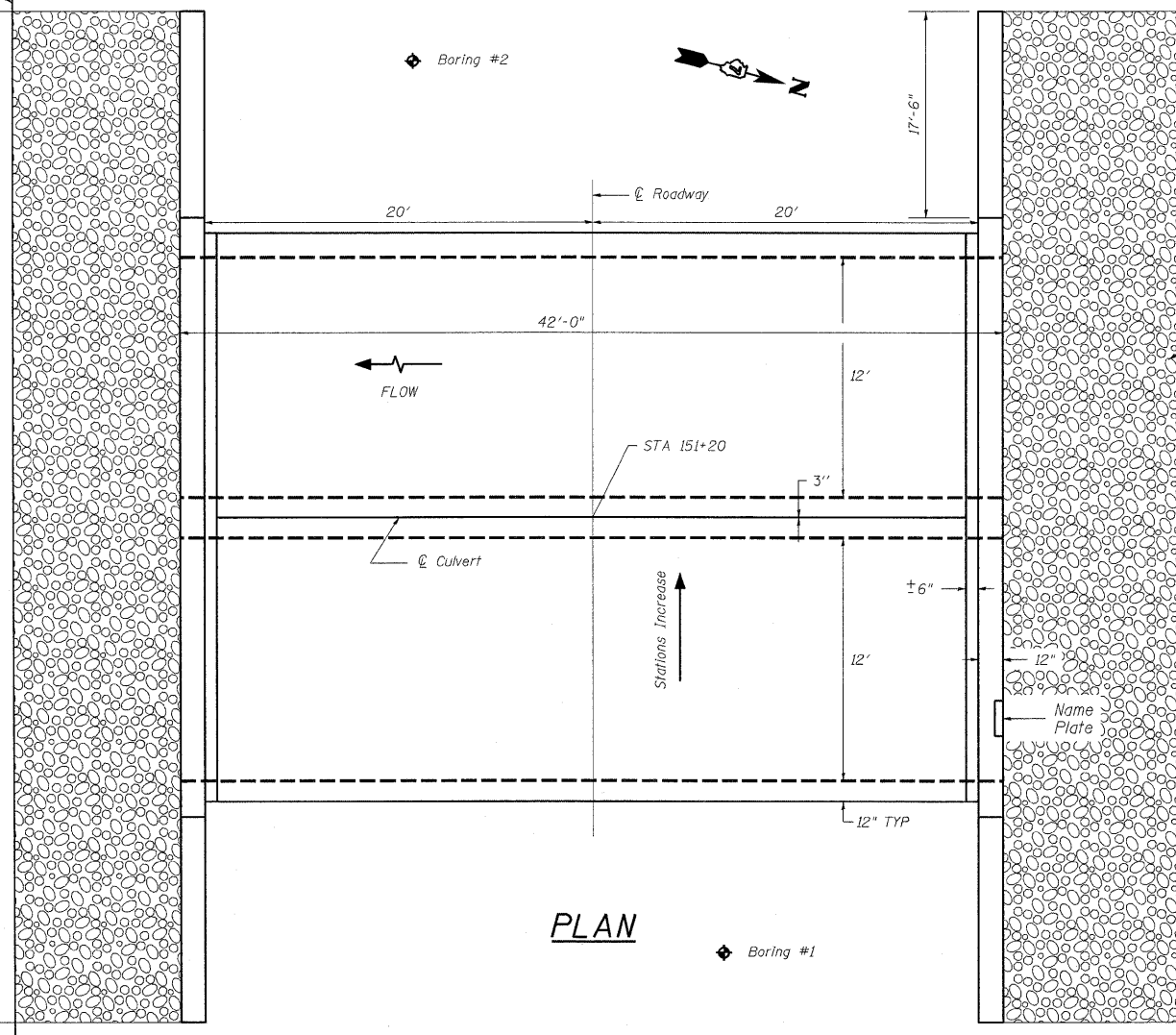
Dimensions at right angles to \bar{C} Roadway



DRAIN DETAIL

General Notes

- Excavation behind abutment walls shall be performed to balance front and back soil pressure before removing the superstructure.
- Build tops of headwalls parallel to profile grade.
- Reinforcement bars shall conform to the requirements of ASTM A706 Gr 60 (IL Modified). See Special Provisions.
- The design fill height for the precast boxes is less than 2 feet.
- The design of the precast box section shall be in accordance with AASHTO M273, Table 1, Box Section 12 x 8 except that the area A_{S1} shall be 0.35 in²/ft
- The welded wire fabric extending from the outside face of the vertical walls of the precast box sections shall be 2x3 W4.5 x W4.0 or equivalent. Substitution of reinforcement bar for welded wire fabric is not allowed.
- For End Section only, 1/2" cover unless otherwise noted.
- The ends of the the precast box sections adjacent to the end section shall be formed without the male and female shapes specified in Article 8.1 of AASHTO M273. See Section D-D on sheet 4 of 6.
- All portions of the precast box culverts in contact with cast-in-place concrete shall be sandblasted according to Article 503.09(b).
- The box culvert end section shall be built in the field and a precast option is not allowed except the cut-off wall may be precast. If the contractor elects to use a precast cut-off wall, shop drawings and a proposed construction sequence shall be submitted to the Engineer for approval.
- The joints between precast box sections shall be sealed and all voids filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, in place and protected during the backfilling process.

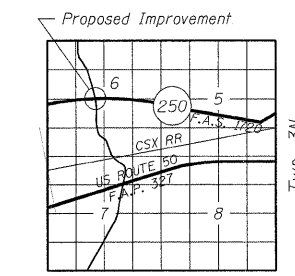


PLAN

STONE RIPRAP, CLASS A4
SEE SHEET 2 OF 6

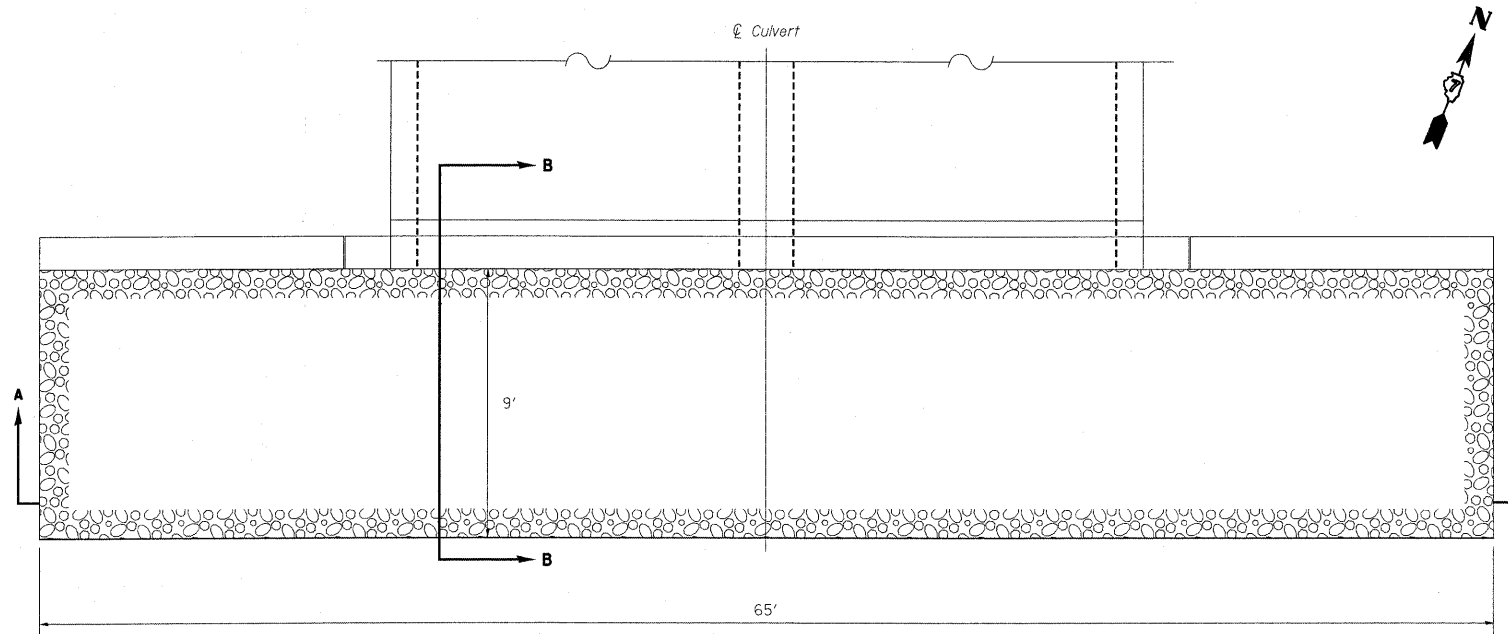
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures	Each	1
Removal and Disposal of Unsuitable Material	Cu. Yd.	82
Rockfill (Replacement)	Ton	148
Precast Concrete Box Culverts 12' x 7'	Ft.	78
Box Culvert End Sections (Special)	Each	2
Name Plates	Each	1
Stone Riprap, Class A4	Sq. Yd.	130
Filter Fabric	Sq. Yd.	130
Porous Granular Embankment	Ton	585



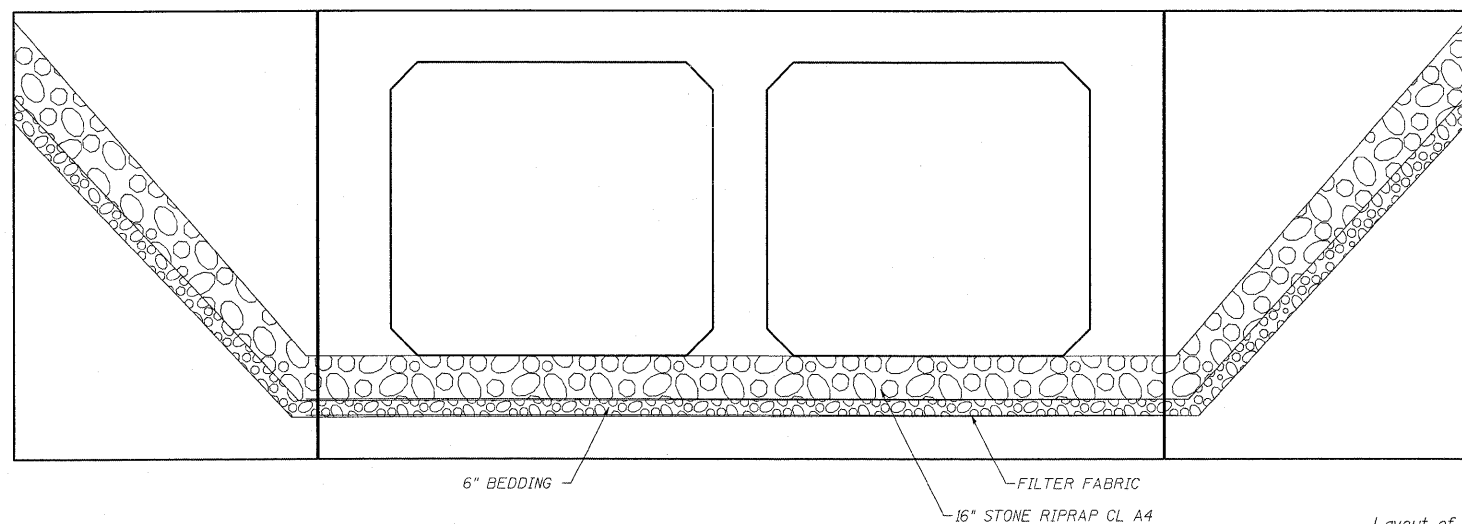
LOCATION SKETCH

GENERAL PLAN AND ELEVATION
IL ROUTE 250 - SECTION 5B-1
RICHLAND COUNTY
STATION 151+20.00
STRUCTURE NO. 080-2005

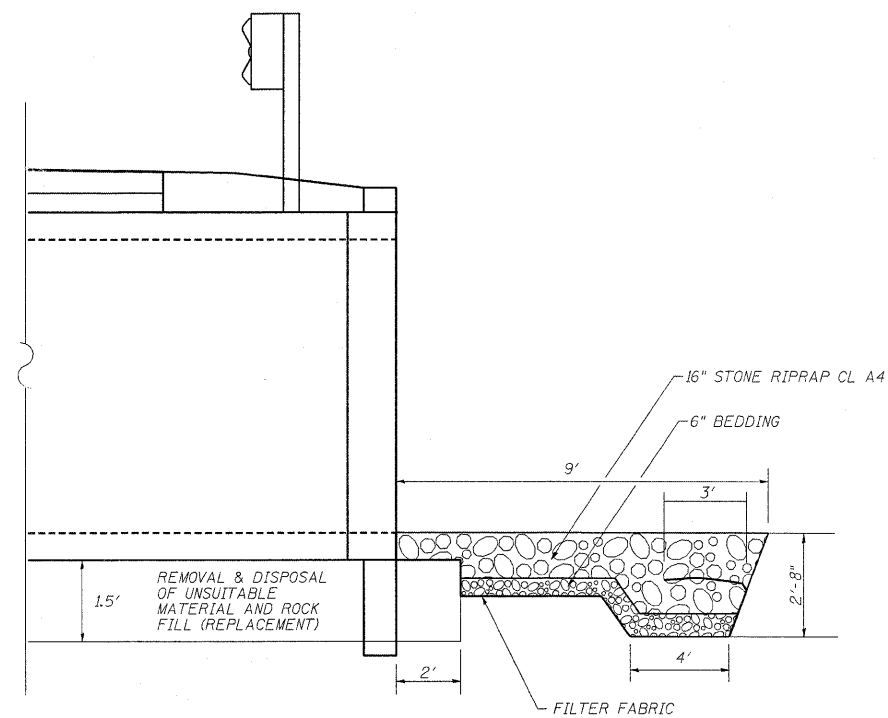


PLAN

South end shown, North end similar



SECTION A-A



SECTION B-B

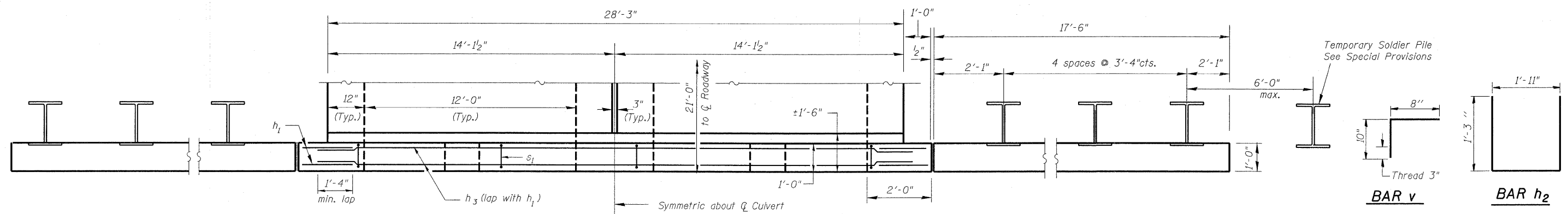
NOTES

Layout of riprap may be varied to suit ground conditions in the field as directed by the Engineer.

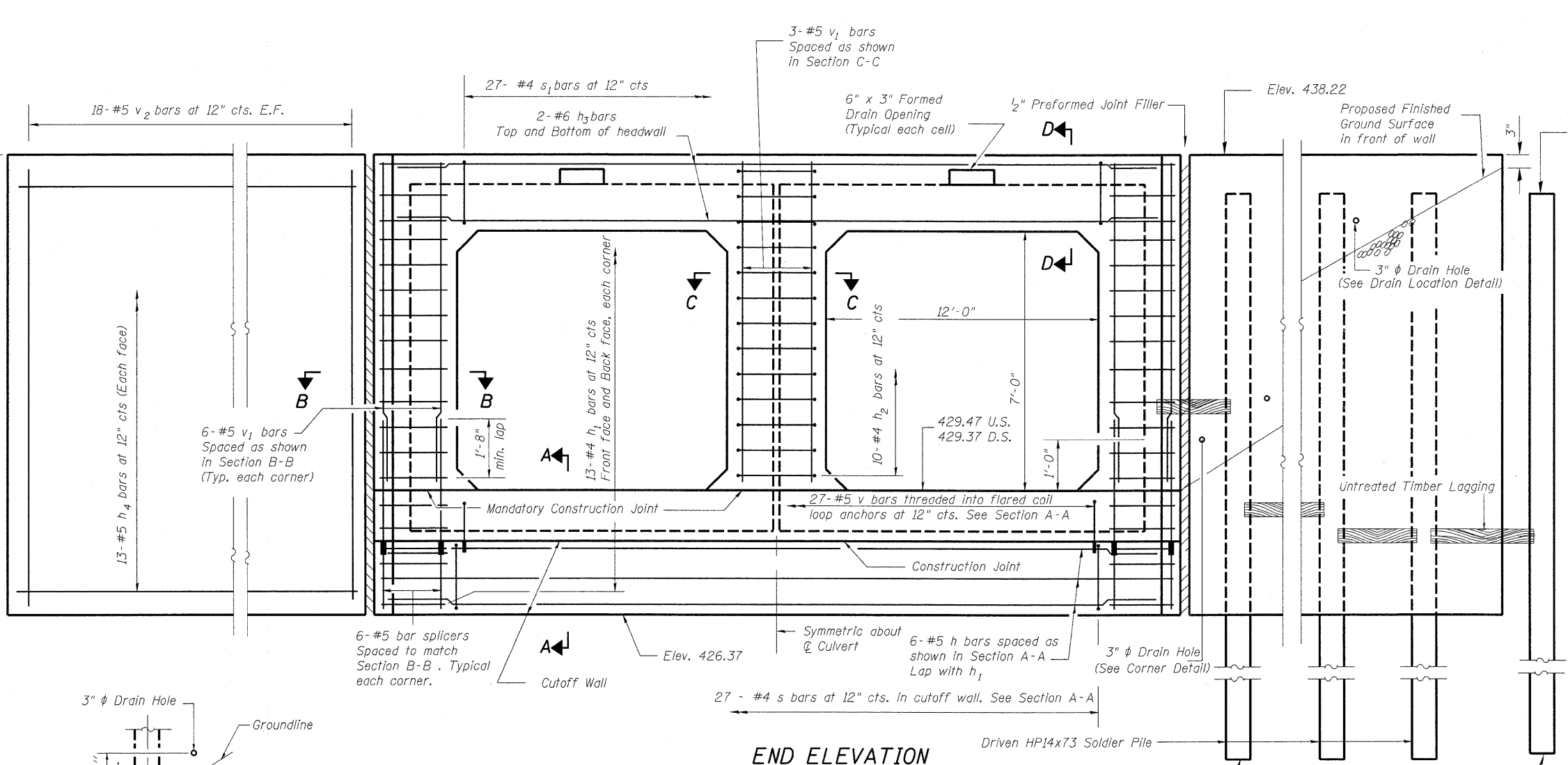
The limits of Removal and Disposal of Unsuitable Material and Rockfill (Replacement) shall be, in plan view, two feet outside the limits of the proposed box culvert and collar and in the vertical direction, as shown in Section B-B.

RIPRAP DETAILS
STRUCTURE NO. 080-2005

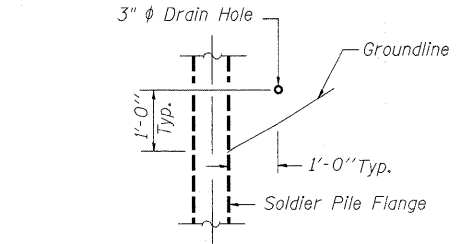
FILE NAME =	USER NAME = teasleyck	DESIGNED - D. Greifzu	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIPRAP DETAILS		F.A. RTE. 327	SECTION 5B-1	COUNTY RICHLAND	TOTAL SHEETS 14	SHEET NO. 10	
et\pw_work\p\widot\teasleyck\dms60138\Ri	land 0802005 20090723 Final.dgn	DRAWN - D. Greifzu	REVISED -		SCALE:	SHEET NO. 2 OF 6 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO.		
	PLOT SCALE = 1.0002 in / IN.	CHECKED - M. Christensen	REVISED -									
	PLOT DATE = 1/13/2010	DATE - 07/08/09	REVISED -									



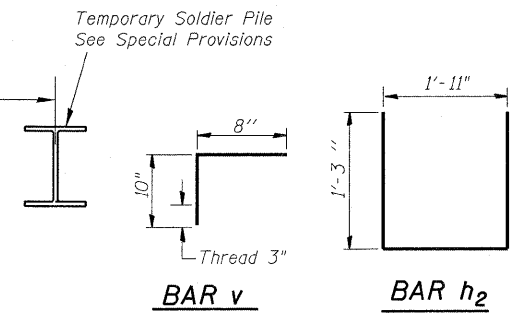
PLAN



END ELEVATION



DRAIN LOCATION DETAIL
Typical Each Pile



BILL OF MATERIAL

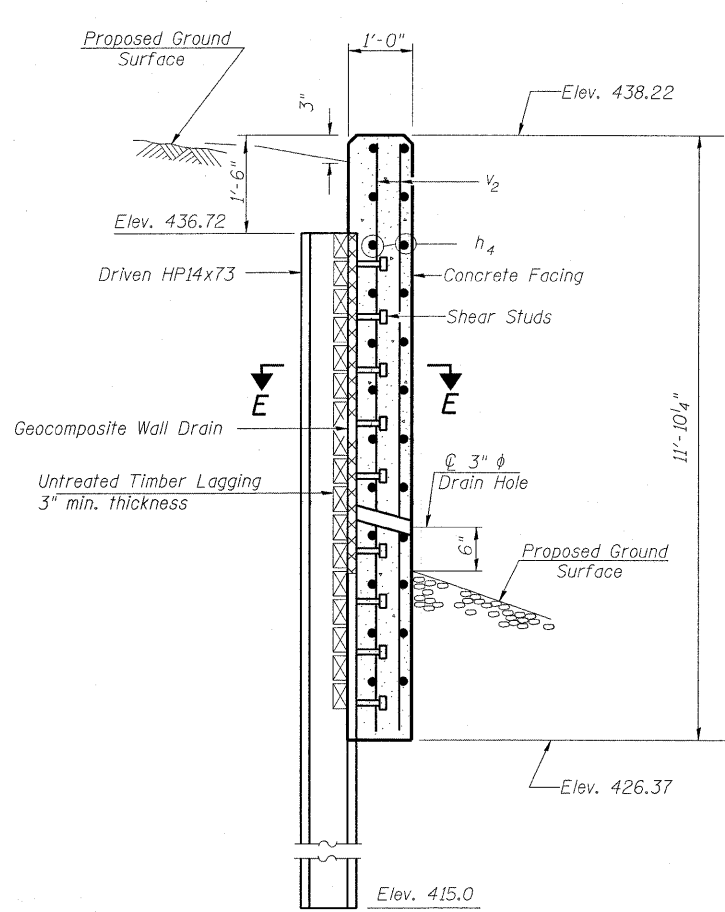
For Information Only
(One End Section)

Bar	No.	Size	Length	Shape
h	6	#5	29'-10"	—
h1	52	#4	1'-9"	—
h2	10	#4	4'-5"	┌
h3	4	#6	29'-10"	—
h4	52	#5	17'-2"	—
s	27	#4	5'-5"	□
s1	27	#4	4'-6"	□
v	27	#5	1'-6"	└
v1	15	#5	8'-6"	—
v2	72	#5	11'-6"	—

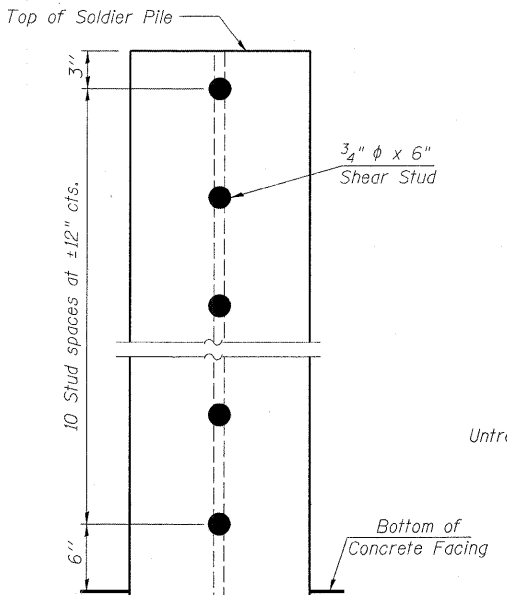
ITEM	UNIT	TOTAL
Furnishing Soldier Piles (HP Section)	Ft.	261
Driving Soldier Piles	Ft.	261
Untreated Timber Lagging	Sq. Ft.	472
Geocomposite Wall Drain	Sq. Yd.	155
Stud Shear Connectors	Each	110
Concrete Box Culverts	Cu. Yd.	24.3
Reinforcement Bars	Pound	2610
Bar Splicers	Each	12

See Sheet 4 of 6 for sections and details

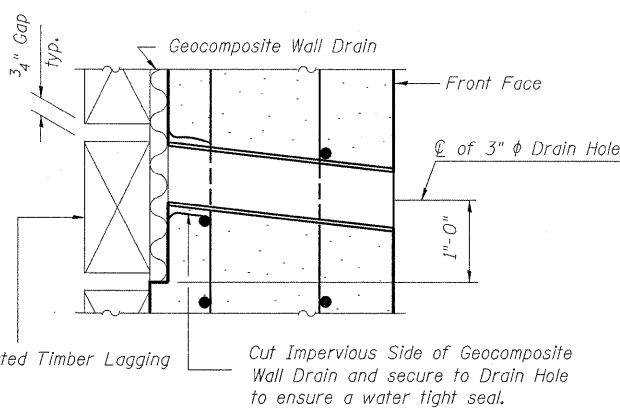
BOX CULVERT END SECTION DETAILS
STRUCTURE NO. 080-2005



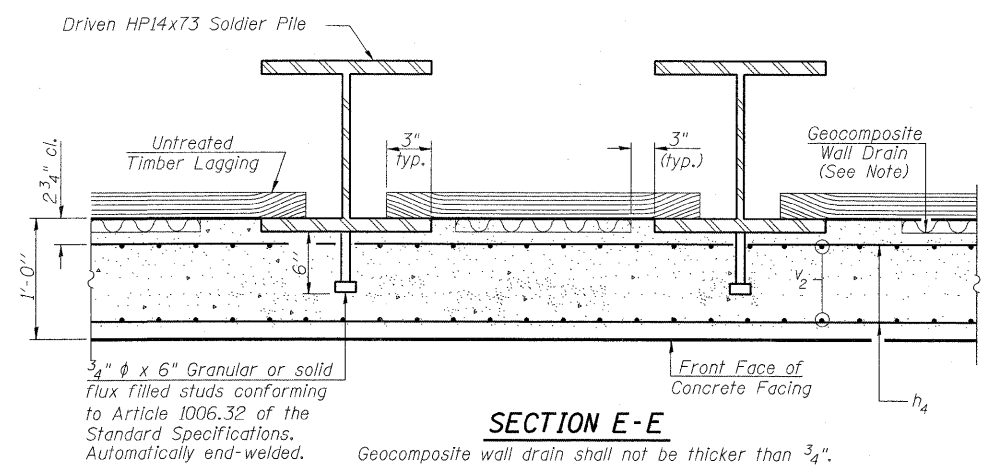
SECTION THRU WALL



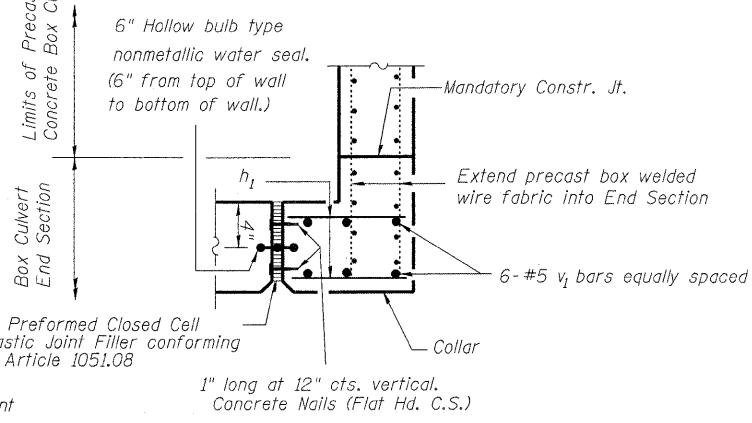
SHEAR STUD DETAIL
(Elevation of pile shown)



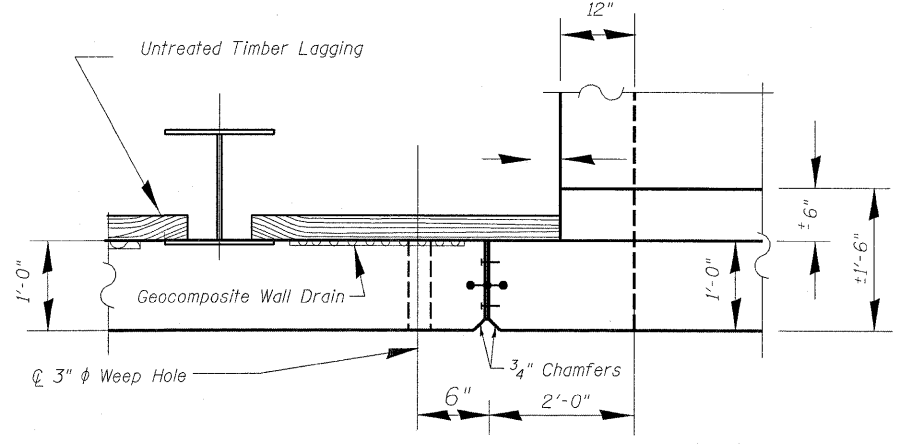
WINGWALL DRAIN HOLE DRAIN DETAIL



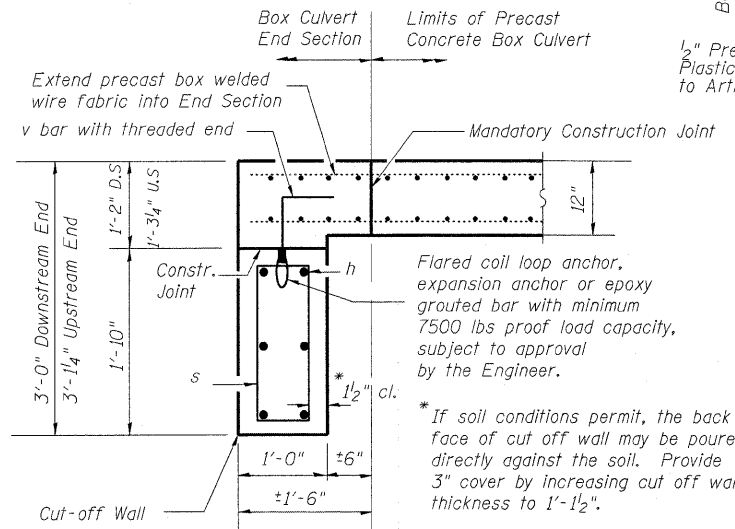
SECTION E-E



SECTION B-B
(Showing reinforcement and seal)



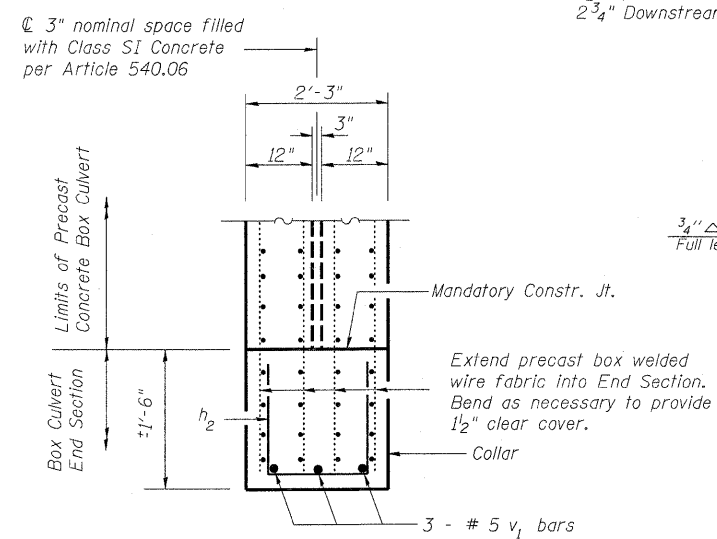
CORNER DETAIL
(Showing dimensions, wall drain and weep hole)



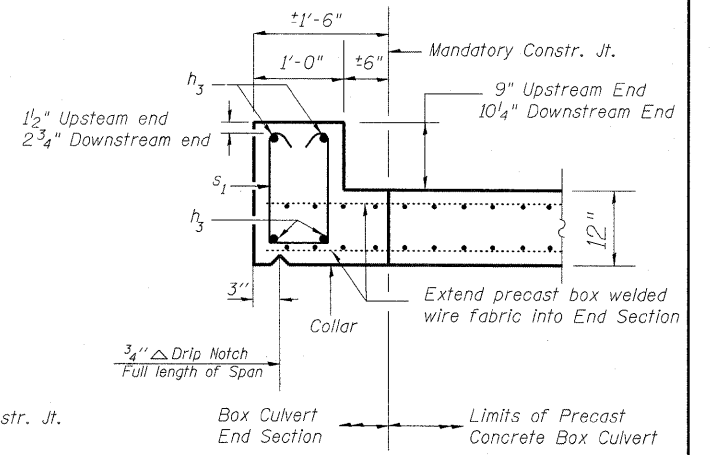
SECTION A-A

SEQUENCE OF WALL CONSTRUCTION

1. Build the cut-off wall
2. Place precast boxes
3. Drive soldier piles (may be driven prior to placing the boxes)
4. Build collar around the precast boxes
5. Install Untreated Timber Lagging
6. Place Geocomposite Wall Drain
7. Place and compact backfill behind wall
8. Install Stud Shear Connectors
9. Form concrete face and place rebar
10. Cast concrete face
11. Remove temporary soldier pile and associated timber lagging.
12. Place remainder of backfill to proposed finished ground surface in front and back of wall.



SECTION C-C



SECTION D-D

BOX CULVERT END SECTION DETAILS
STRUCTURE NO. 080-2005

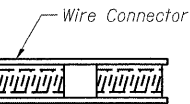
The diameter of this part is the same as the diameter of the bar spliced.

The diameter of this part is equal or larger than the diameter of bar spliced.

ROLLED THREAD DOWEL BAR



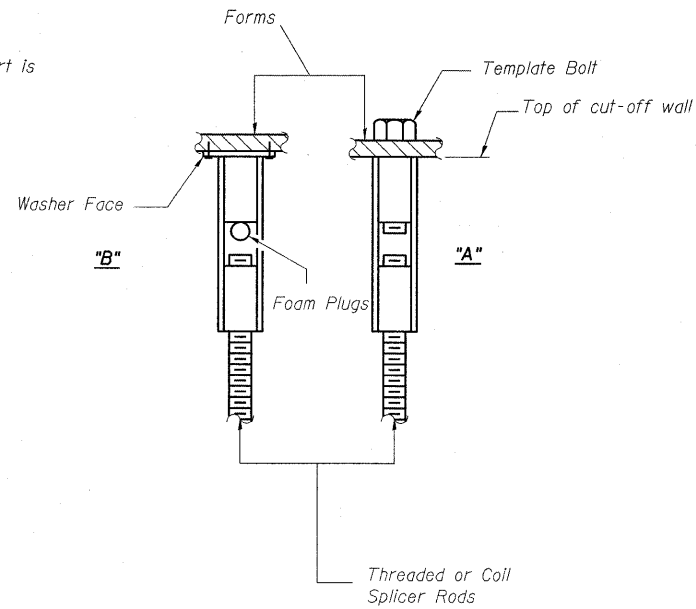
**** ONE PIECE**



WELDED SECTIONS

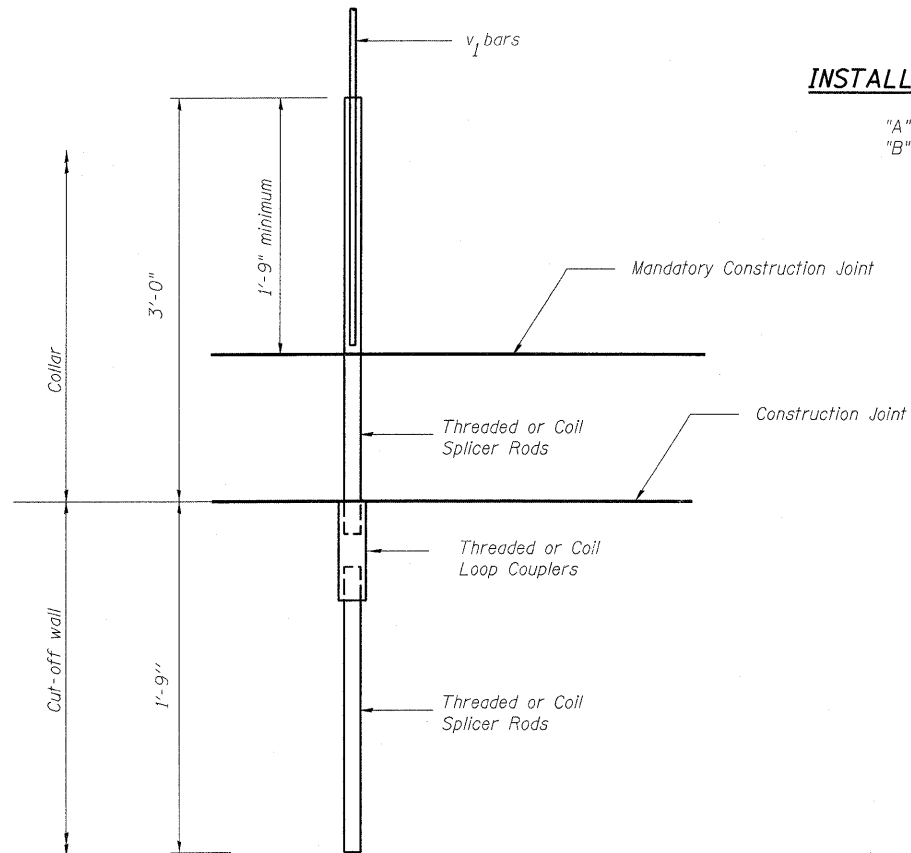
BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



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.



FOR BOX CULVERT END SECTIONS

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.

All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

- ① Minimum Capacity = $1.25 \times f_y \times A_t$
(Tension in kips)
- ② Minimum *Pull-out Strength = $0.66 \times f_y \times A_t$
(Tension in kips)

Where f_y = Yield strength of lapped reinforcement bars in ksi.
 A_t = Tensile stress area of lapped reinforcement bars.
 * = 28 day concrete

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	12.3 kips - tension
No. Required =	12 (per end section)

**BAR SPLICER ASSEMBLY DETAILS
 STRUCTURE NO. 080-2005**



SOIL BORING LOG

Page 1 of 1

Date 10/4/05

ROUTE FAP 327 (IL 250) DESCRIPTION Un-named Stream LOGGED BY E. Sandschafer

SECTION 5B-1 LOCATION W 1/2, SEC. 6, TWP. 3 N, RNG. 10 E, 3 PM

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

Table with columns for STRUCT. NO., BORING NO., Station, Offset, Ground Surface Elev., and soil descriptions with associated data points.

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 2

Date 10/4/05

ROUTE FAP 327 (IL 250) DESCRIPTION Un-named Stream LOGGED BY E. Sandschafer

SECTION 5B-1 LOCATION W 1/2, SEC. 6, TWP. 3 N, RNG. 10 E, 3 PM

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BBS, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 2 of 2

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