

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	543X-B-I	DUPAGE	12	1
FED. ROAD DIST. NO 1	ILLINOIS	CONTRACT NO. 60R01		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

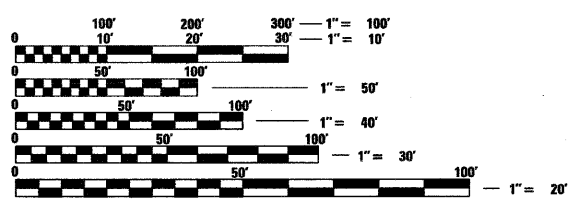
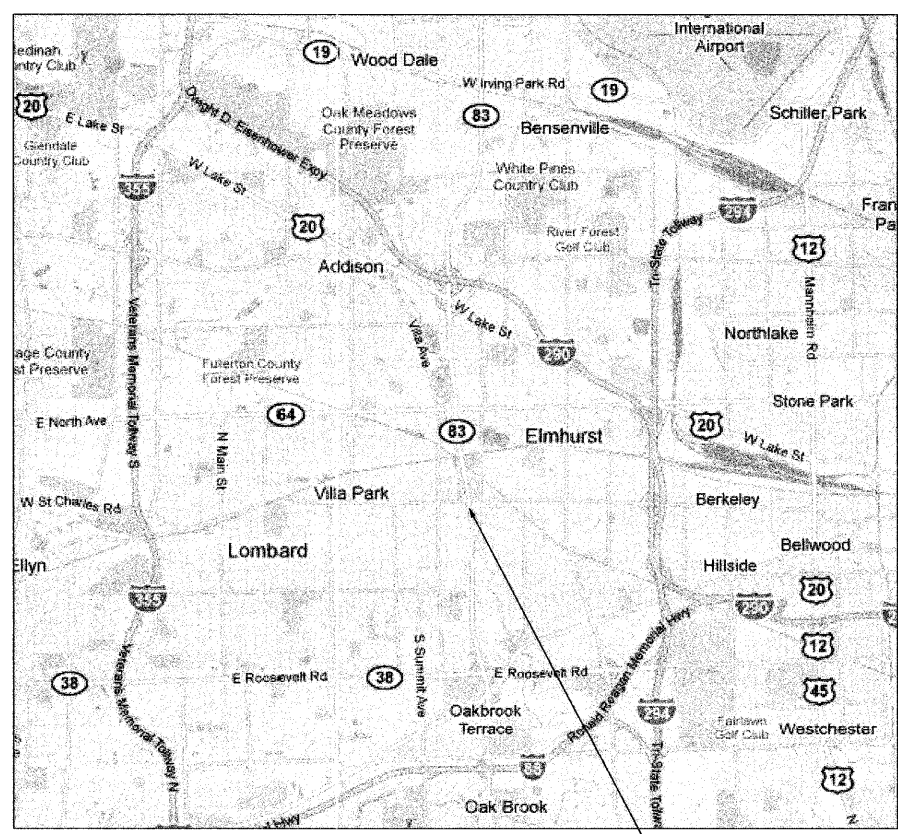
**PROPOSED
HIGHWAY PLANS**

FAP 344 (ILLINOIS ROUTE 83)
SECTION 543X-B-I
OVER SALT CREEK
SCOUR COUNTERMEASURES
DUPAGE COUNTY
C-91-010-12

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN THE
VILLAGE OF VILLA PARK
CITY OF ELMHURST

DISTRICT ONE - PLAN PREPARATION ENGINEER: KEN ENG: (847) 705-4247



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

LOCATION 1: S.N. 022-0045, ILLINOIS ROUTE 83
OVER SALT CREEK

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED JULY 21, 20 11

Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

August 19 20 11
Scott E. Stitt, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

August 19 20 11
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROFESSIONAL ENGINEER'S SIGN & SEAL

Christopher M. Hartke

EXPIRES: 11-30-2011

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CONTRACT NO. 60R01

INDEX OF SHEETS

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2	INDEX OF SHEETS, LIST OF STATE STANDARDS, AND GENERAL NOTES
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7	CROSS SECTIONS SCOUR COUNTERMEASURES - ILLINOIS ROUTE 83
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LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
701426-04	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
701601-07	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701901-01	TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 8-1-1 OR (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
2. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
3. EXCAVATION INTO THE STREAM BED FOR STONE RIPRAP INSTALLATION SHALL NOT BE DEEPER THAN THE BOTTOM OF THE FOOTING ON THE PIER OR ABUTMENT TO BE PROTECTED.
4. DEBRIS REMOVAL, IF ENCOUNTERED, SHALL BE INCLUDED IN THE COST OF THE STONE RIPRAP.
5. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS & CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION ORDERING OF MATERIAL.
6. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
7. ALL AREAS (INCLUDING WETLAND AREAS) OUTSIDE THE LIMITS OF RIPRAP PLACEMENT AND/OR EXCAVATION WHICH ARE DISTURBED (WHERE EXISTING SOIL CONTOURS HAVE BEEN ALTERED AND/OR EXISTING VEGETATION HAD BEEN DESTROYED BY THE CONTRACTORS OPERATIONS) SHALL BE RESTORED BY REGRAVING TO THE ORIGINAL CONTOURS AND/OR SEEDING WITH SEEDING, CLASS 4, AND MULCHING WITH EROSION CONTROL BLANKETS. PLACE TEMPORARY SEEDING AND TEMPORARY EROSION CONTROL BLANKETS AS NEEDED. THIS WORK WILL NOT BE PAID FOR SEPERATELY, BUT THE COSTS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE CONTRACTOR IS ADVISED TO AVOID OR MINIMIZE ANY DISTURBANCE TO EXISTING VEGETATION OUTSIDE THE LIMITS OF RIPRAP PLACEMENT AND CHANNEL EXCAVATION.
9. THE CONTRACTOR MUST PROTECT PAVEMENT WHEN DUMPING RIPRAP ONTO PAVEMENT AND WILL BE RESPONSIBLE FOR RESTORING PAVEMENT MARKINGS.
10. ANY GUARDRAIL OR SIGNS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN KIND AT THE CONTRACTORS EXPENSE.
11. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTURCTION OF THIS PROJECT.
12. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
13. THE CONTRACTOR SHALL SUBMIT DEWATERING AND SEDIMENT CONTROL PLANS FOR EACH SITE TO THE ENGINEER FOR APPROVAL.
14. THE CONTRACTOR SHALL CONTACT THE ENGINEER AFTER DEWATERING FOR FINAL RIPRAP.
15. NIGHT TIME CLOSURES WILL NOT BE REQUIRED FOR THIS PROJECT.
16. UNLESS OTHERWISE NOTED, EXCAVATION OF MATERIAL REQUIRED TO INSTALL STONE RIPRAP SHALL BE INCLUDED IN THE ITEM BEING INSTALLED.

COMMITMENTS

NONE

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HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

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	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, LIST OF STATE STANDARDS, AND GENERAL NOTES

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	543X-B-1	DUPAGE	12	2
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60R01	

SUMMARY OF QUANTITIES			URBAN 100% STATE TOTAL QUANTITY	0014 LOCATION 1 IL 83 DUPAGE CO
CODE NO.	ITEM	UNIT		
28100107	STONE RIPRAP, CLASS A4	SQ YD	575	575
28200200	FILTER FABRIC	SQ YD	747	747
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3
67100100	MOBILIZATION	L SUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1
X0301852	DEWATERING STRUCTURE NO. 1	EACH	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4

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 PROJECT CONTACT: #PROJECT/CONTACT/
 CLIENT: #CLIENT/
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	DRAWN - S. PERNAL	REVISED -
PLOT SCALE = N/A	CHECKED - T. HAMILTON	REVISED -
PLOT DATE = 7/19/2011	DATE - 7/19/11	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
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N/A	1 OF 1		1

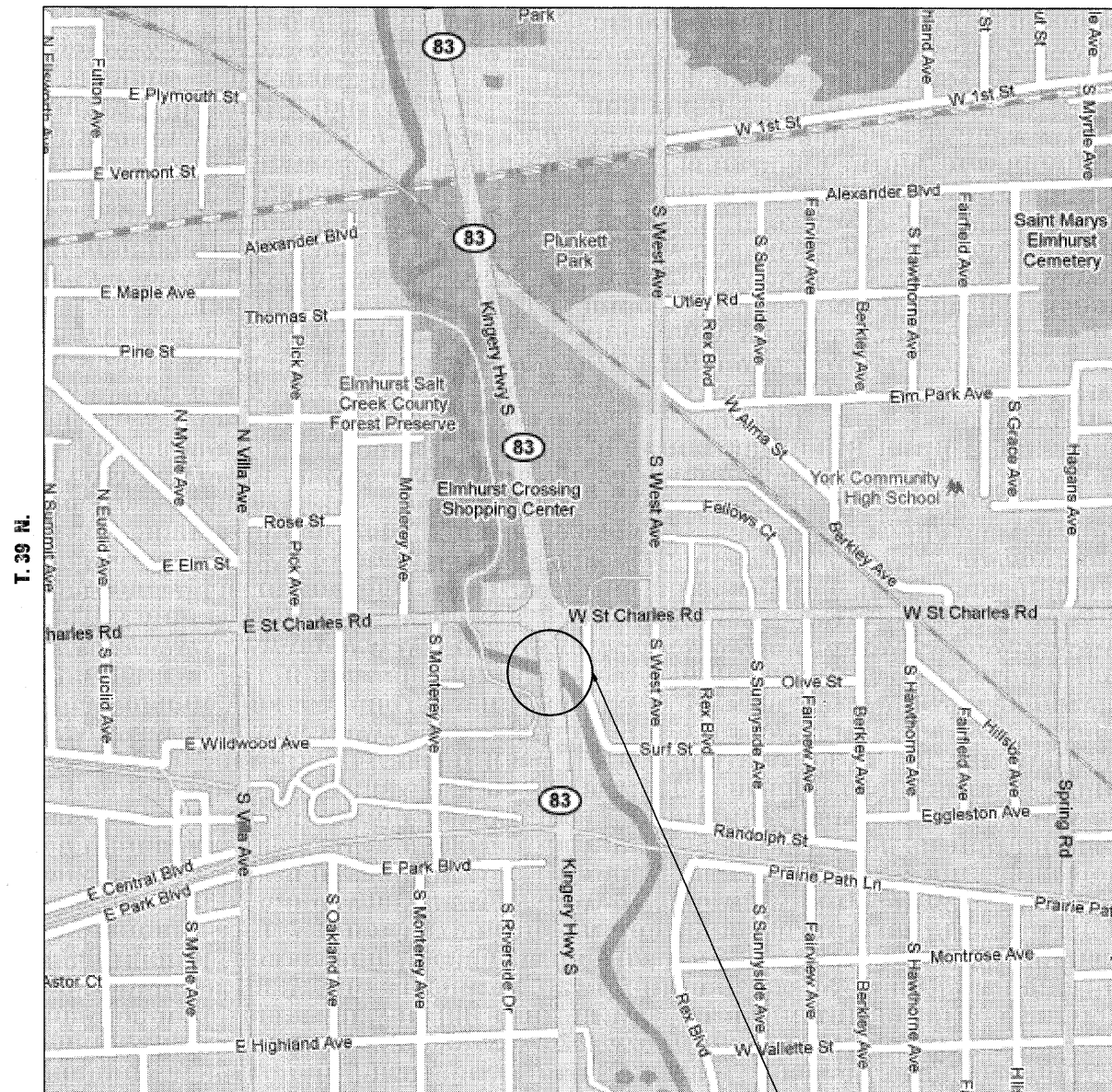
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344	543X-B-1	DUPAGE	12	3
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60R01	

Rev.



TRAFFIC DATA
 SPEED LIMIT = 45 MPH
 2009 ADT = 73,000

R. 11 E.



LOCATION 1 - DUPAGE COUNTY
 STRUCTURE NUMBER: 022-0045
 ILLINOIS ROUTE 83 OVER SALT CREEK
 LOCATED IN YORK TOWNSHIP
 VILLAGE OF VILLA PARK/CITY OF ELMHURST

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: S. PERNAL
 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
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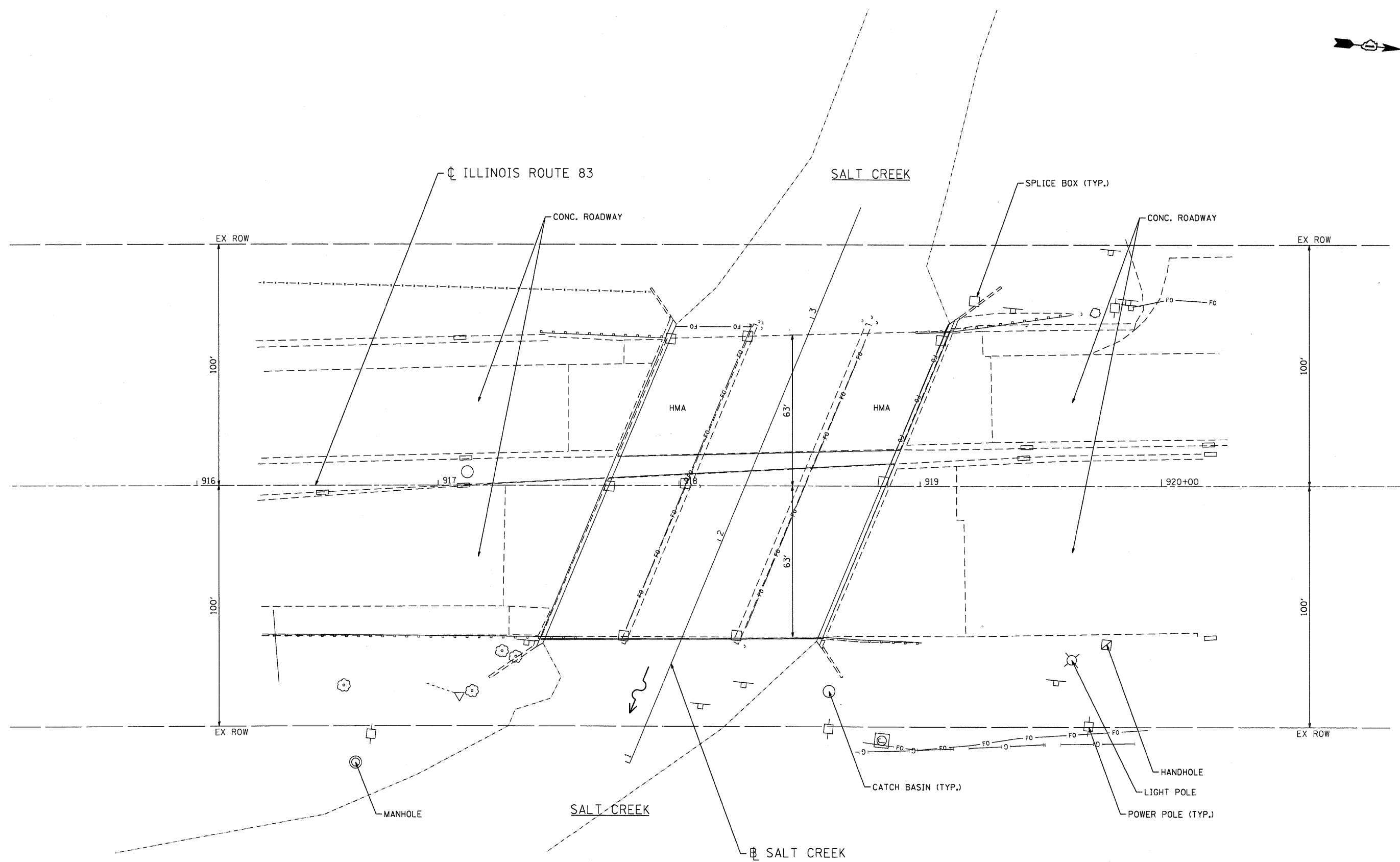
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	DATE - 7/20/11	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION MAP
 SCOUR COUNTERMEASURES

SCALE: N/A SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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SN. 022-0045		CONTRACT NO. 60R01		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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	DATE - 7/19/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN
ILLINOIS ROUTE 83 OVER SALT CREEK
 SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS STA. 917+00 TO STA. 920+00

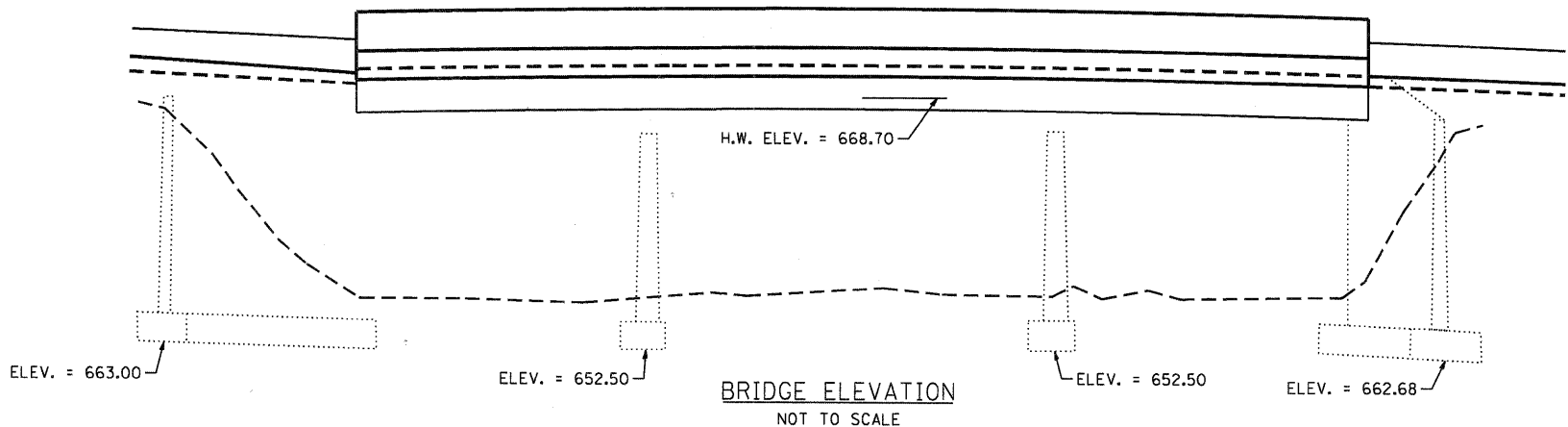
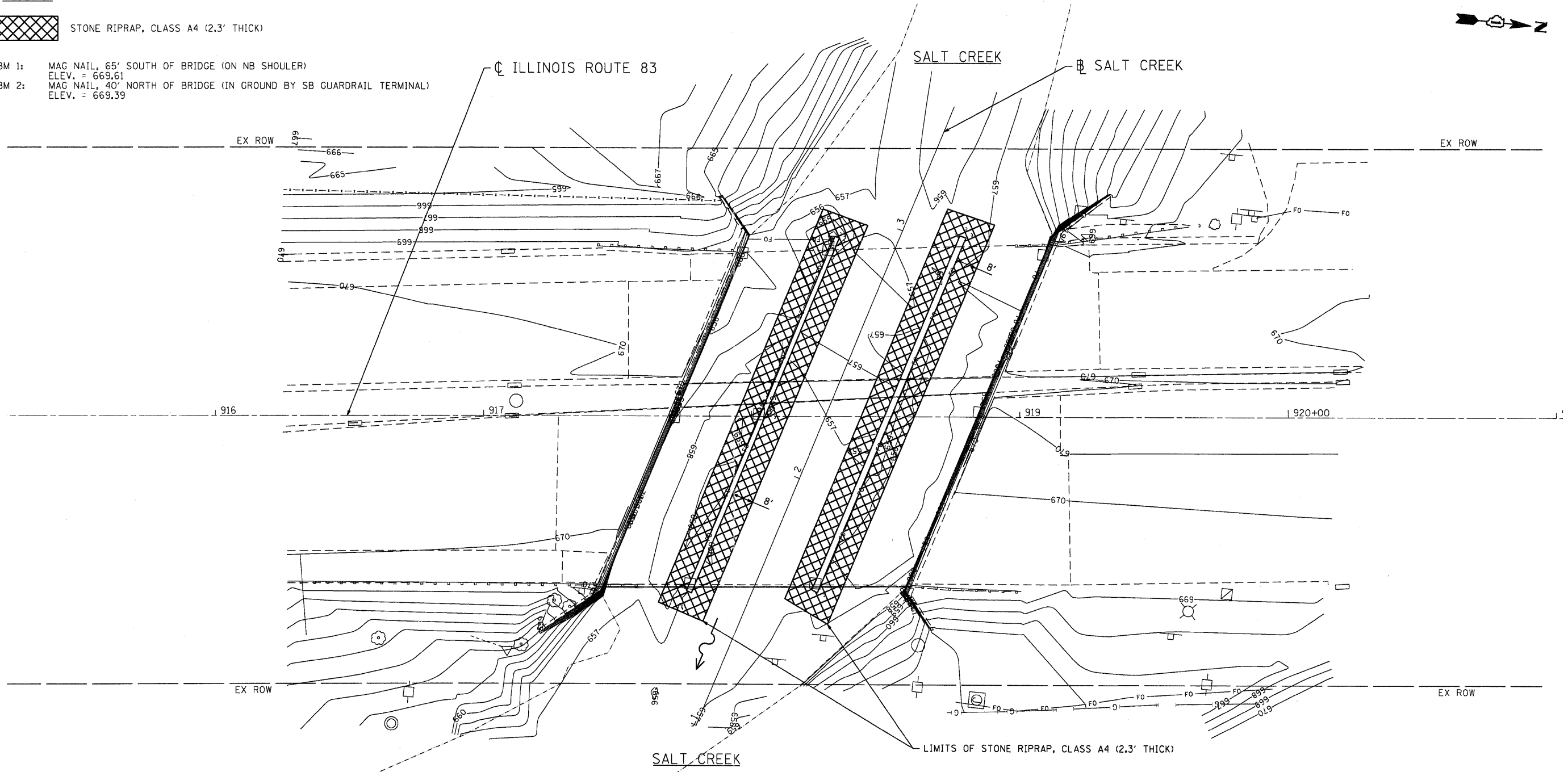
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FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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LEGEND

 STONE RIPRAP, CLASS A4 (2.3' THICK)

BM 1: MAG NAIL, 65' SOUTH OF BRIDGE (ON NB SHOULDER)
ELEV. = 669.61
BM 2: MAG NAIL, 40' NORTH OF BRIDGE (IN GROUND BY SB GUARDRAIL TERMINAL)
ELEV. = 669.39



ACCESS TO THIS SITE IS LIMITED. THE CONTRACTOR SHALL ONLY ACCESS THIS SITE BY RAISING AND/OR LOWERING ALL EQUIPMENT AND MATERIAL OVER THE SIDES OF THE BRIDGE. THE CONTRACTOR WILL NOT BE ALLOWED OTHER ACCESS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

COMPANY NAME: HRGreen.com
PROJECT CONTACT: S. PERNAL
CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
DATE PLOTTED: 7/19/2011
PLOT DRIVER: standard-trans.tbl



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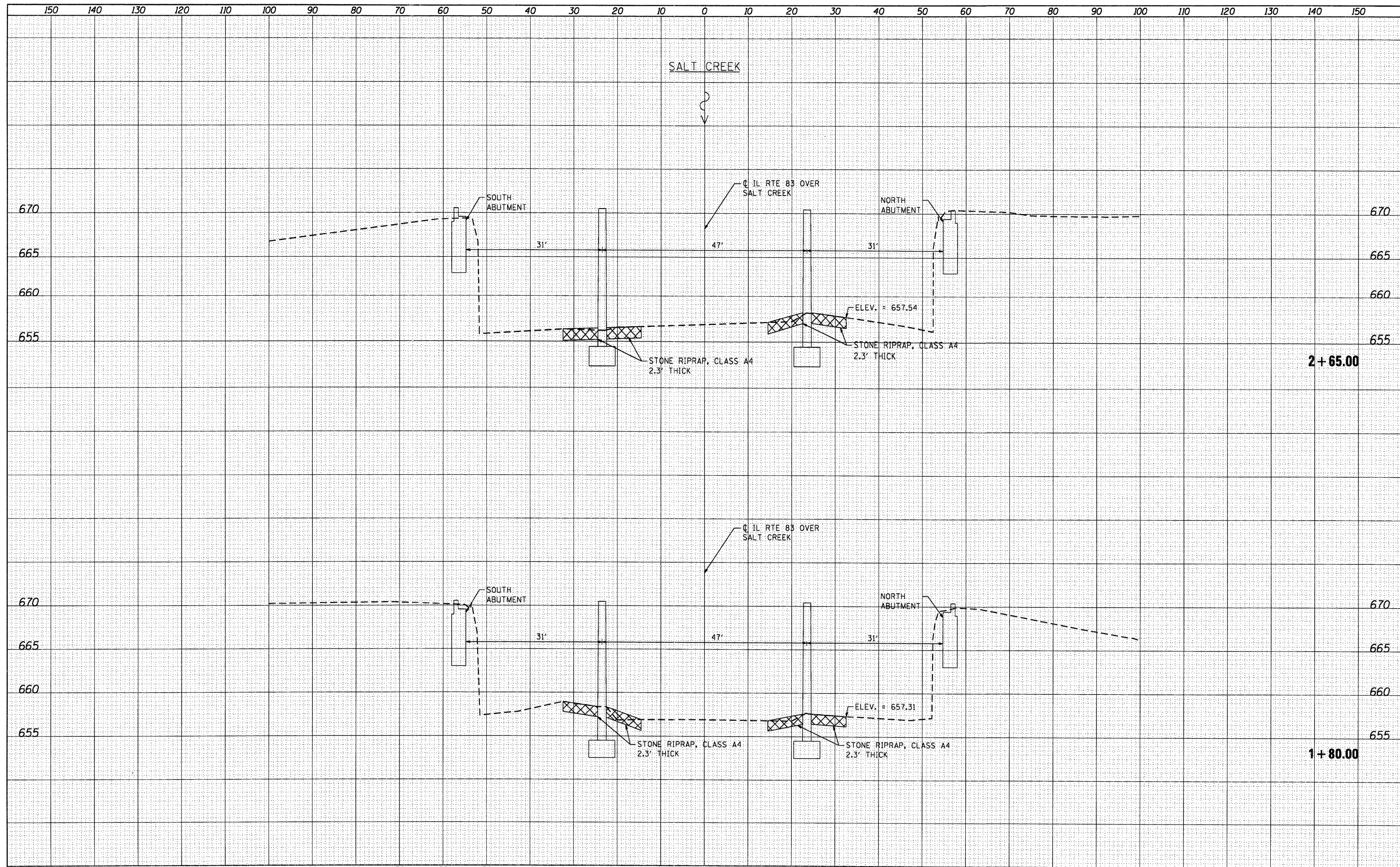
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
ILLINOIS ROUTE 83 OVER SALT CREEK**
SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. 917+00 TO STA. 920+00

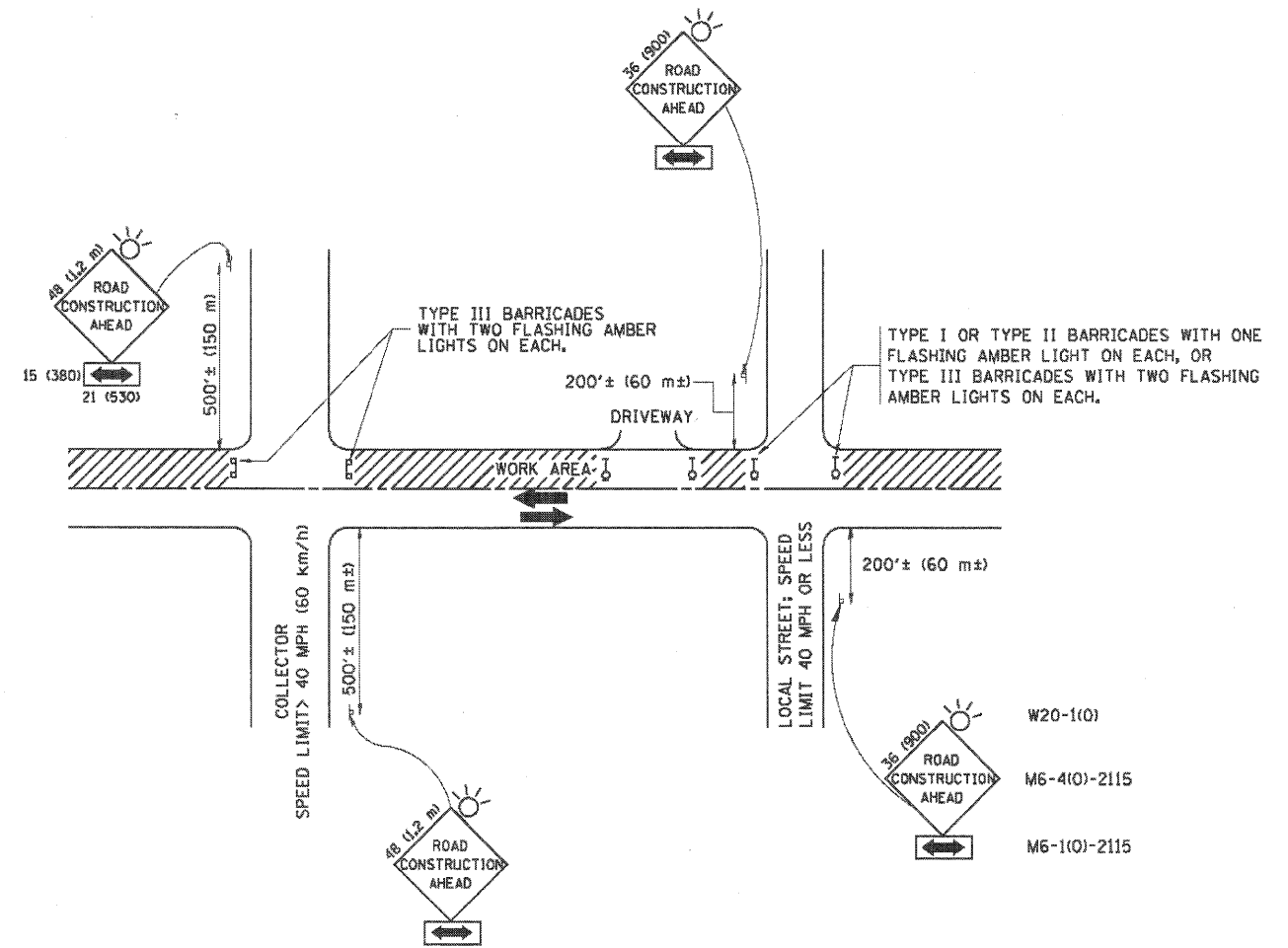
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S.W. 022-045		CONTRACT NO. 60R01		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



HRGreen.com Illinois Professional Design Firm # 184-001322	USER NAME = SPernal PLOT SCALE = 1:10H, 1:5V PLOT DATE = 7/19/2011	DESIGNED C. HARTKE DRAWN S. PERNAL CHECKED T. HAMILTON DATE 7/19/11	REVISED REVISED REVISED REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS ILLINOIS ROUTE 83 OVER SALT CREEK SCALE: 1:10H, 1:5V SHEET NO. 1 OF 1 SHEETS STA. 1+80.00 TO STA. 2+65.00	F.A. RTE. 344 SECTION 543X-B-1 COUNTY DUPAGE TOTAL SHEETS 12 SHEET NO. 7 CONTRACT NO. 60R01 ILLINOIS FED. AID PROJECT
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TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701601, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

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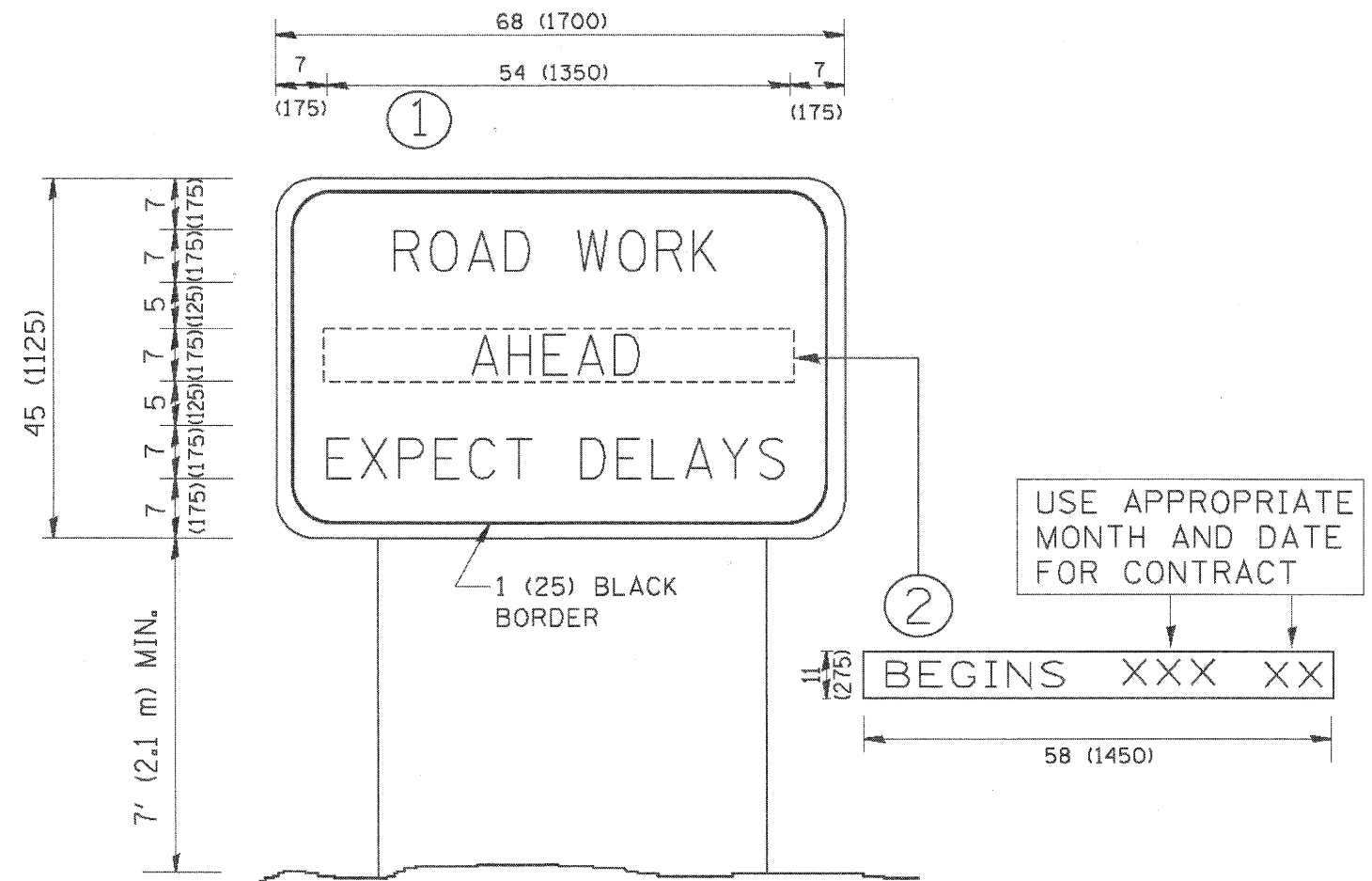


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PLOT DATE = 1/4/2008	CHECKED -	REVISED - A. HOUSEH 10-15-96
	DATE - 06-89	REVISED - T. RAMMACHER 01-05-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	
SCALE: NONE	SHEET NO. 1 OF 5 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	543X-B-1	DUPAGE	12	8
TC-10		CONTRACT NO.	60R01	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
 INFORMATION SIGN

SCALE: NONE SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	543X-B-1		12	9
TC-22			CONTRACT NO. 60R01	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

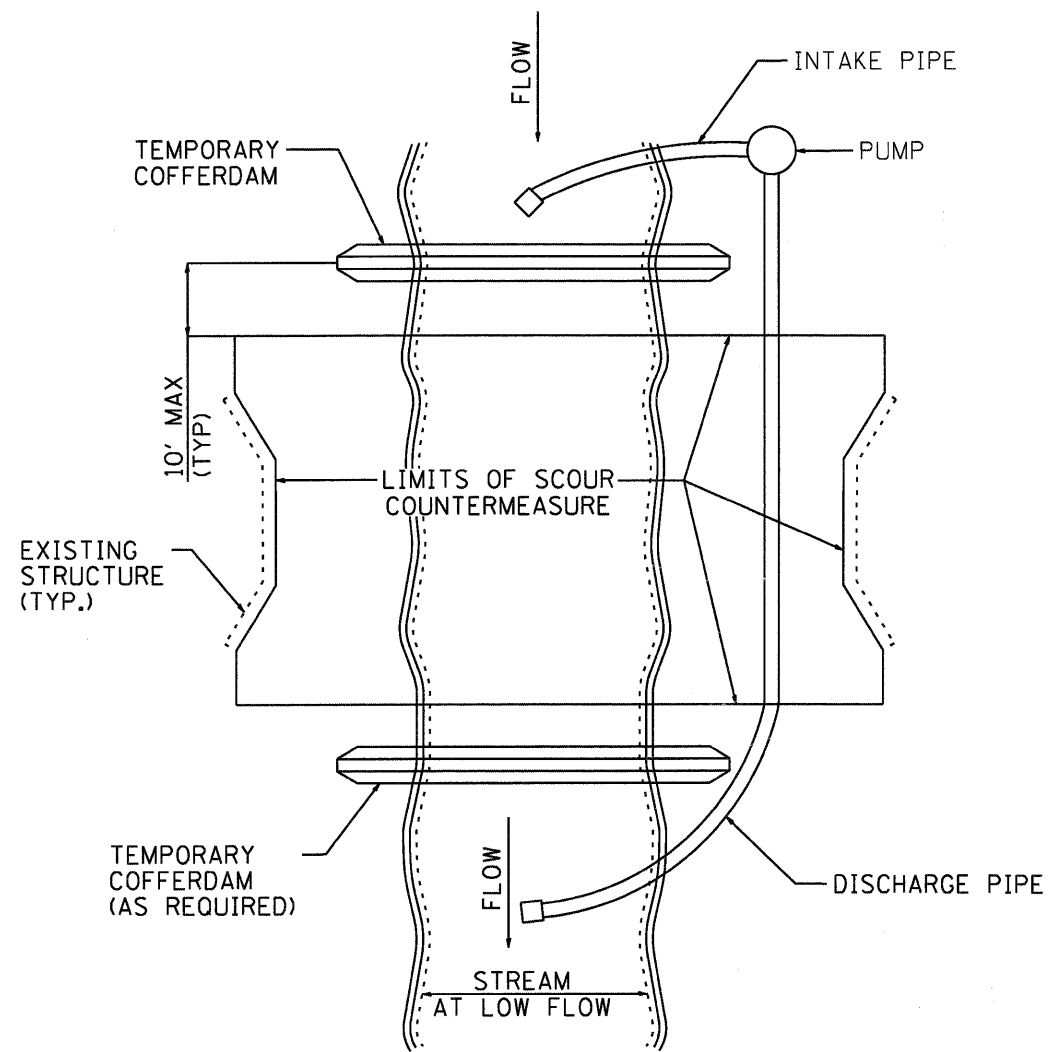


FIGURE D1. TEMPORARY COFFERDAM WITH PUMP BYPASS

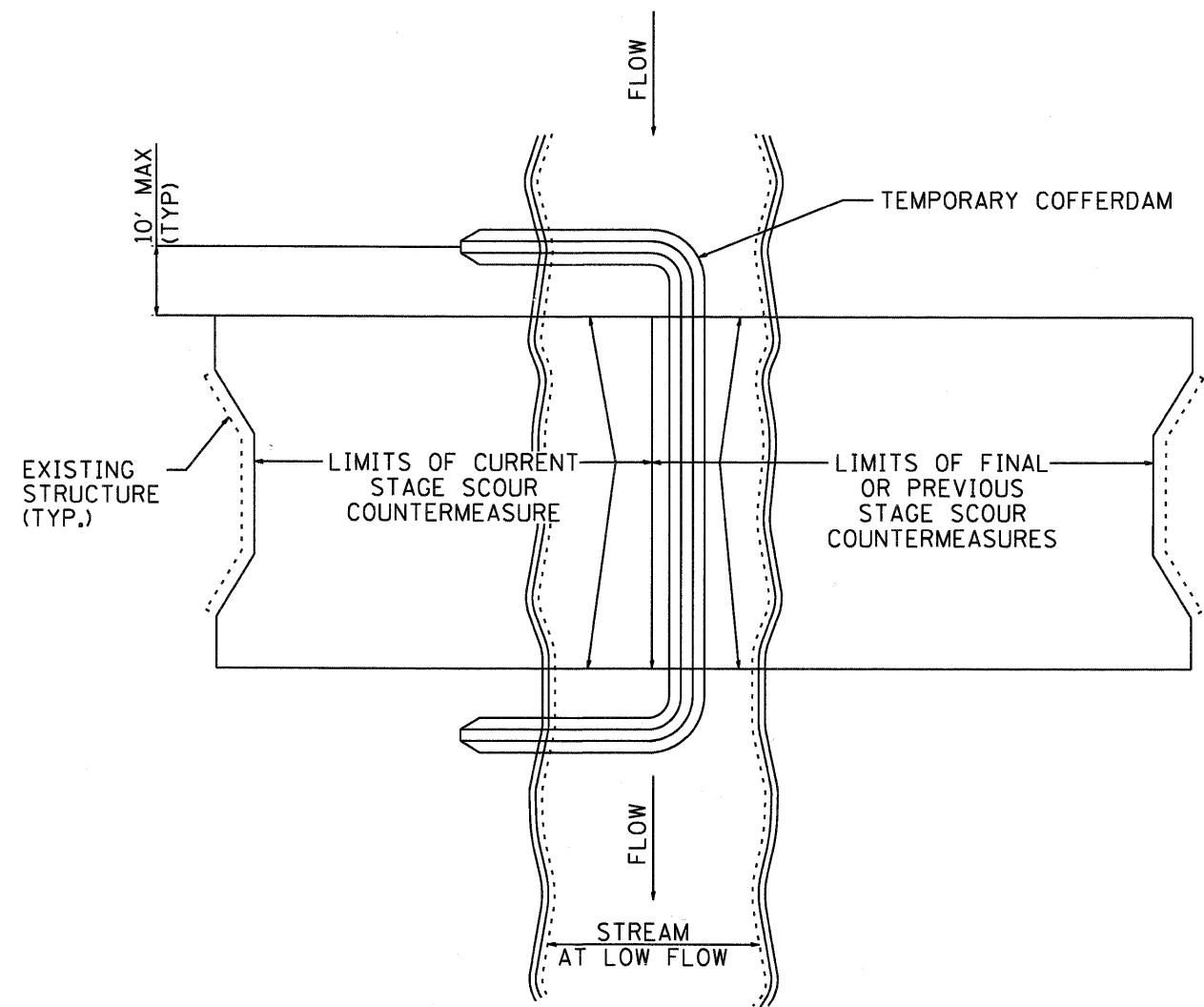


FIGURE D2. STAGED IN-STREAM COFFERDAM DIVISION

NOTE: DEWATERING SYSTEM DETAILS SHALL BE USED IN CONJUNCTION WITH THE PROJECT SPECIAL PROVISIONS.

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 PROJECT CONTACT: SPerna1
 CLIENT: HRGreen
 DATE PLOTTED: 7/19/2011 3:29:00 PM
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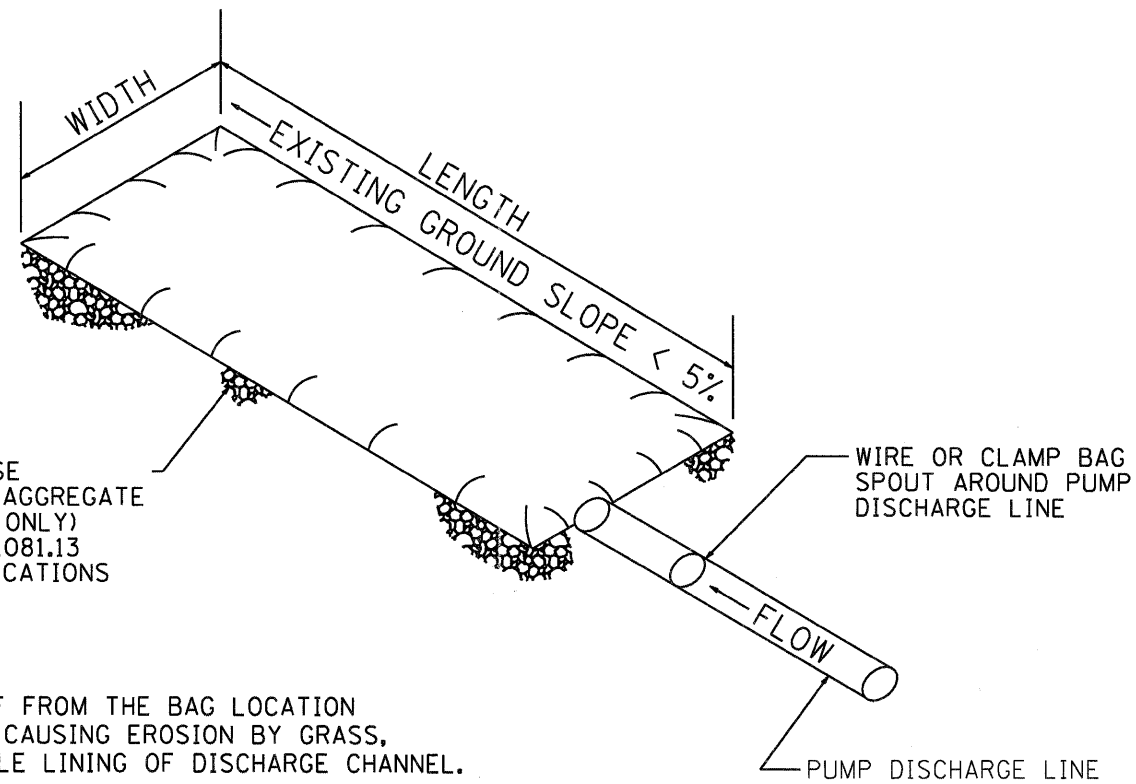
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	DATE - 7/19/11	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DEWATERING SYSTEM DETAILS
 SCOUR COUNTERMEASURES

SCALE: N/A SHEET NO. 3 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	543X-B-1	DUPAGE	12	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R01	



PLACE FILTERBAG ON DENSE MATURE GRASS OR ON AN AGGREGATE BASE (COARSE AGGREGATE ONLY) CONFORMING TO SECTION 1081.13 OF THE STANDARD SPECIFICATIONS

ENSURE THAT RUNOFF FROM THE BAG LOCATION IS PREVENTED FROM CAUSING EROSION BY GRASS, STONE, OR GEOTEXTILE LINING OF DISCHARGE CHANNEL.

REMOVE SILT WHEN BAG IS HALF FULL OR MORE OFTEN IF RECOMMENDED BY THE MAUNFACUTURER. DISPOSE OF SILT BY TRANSPORTING THE FILLED BAG TO DISPOSAL AREA. SLIT THE BAG, BLEND SILT INTO EXISTING TOPOGRAPHY, SEED AND MULCH

MAINTAIN EXTRA FILTER BAGS ON SITE. REPLACE DAMAGED BAGS PROMPTLY.

TYPICAL FLOW RATE: 10 GPM x W x L

FIGURE S1. SEDIMENT FILTER BAG

NOTE: DEWATERING SYSTEM DETAILS SHALL BE USED IN CONJUNCTION WITH THE PROJECT SPECIAL PROVISIONS.

COMPANY NAME: HRGreen.com
 PROJECT CONTACT: SPernol
 CLIENT: HRGreen.com
 DATE PLOTTED: 7/19/2011 3:29:01 PM
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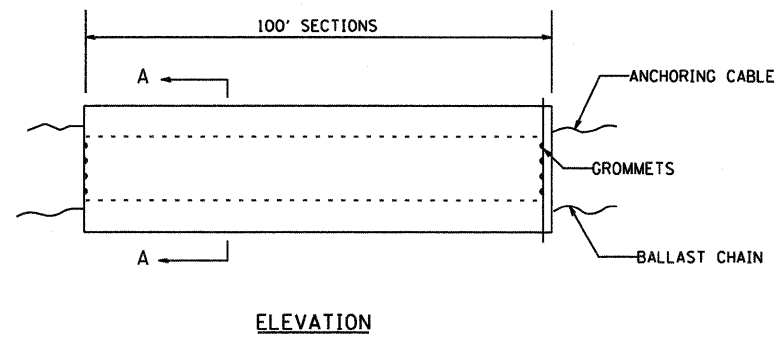
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

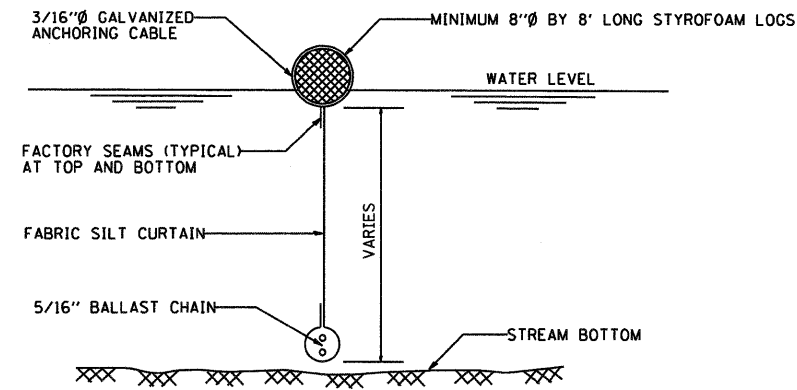
DEWATERING SYSTEM DETAILS
 SCOUR COUNTERMEASURES

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60R01	



ELEVATION



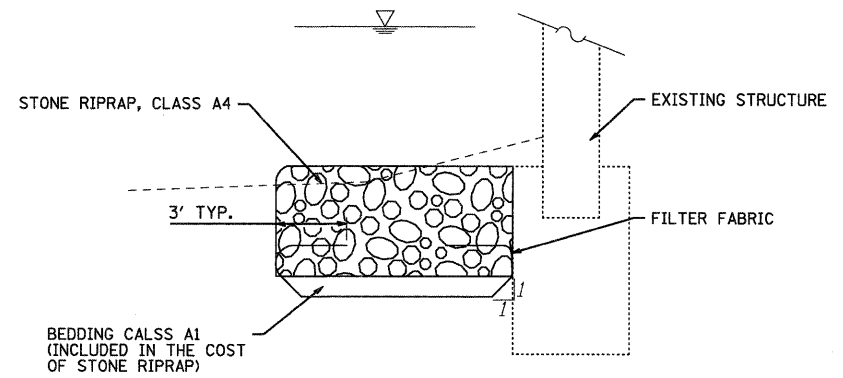
SECTION A-A

FLOTATION BOOM

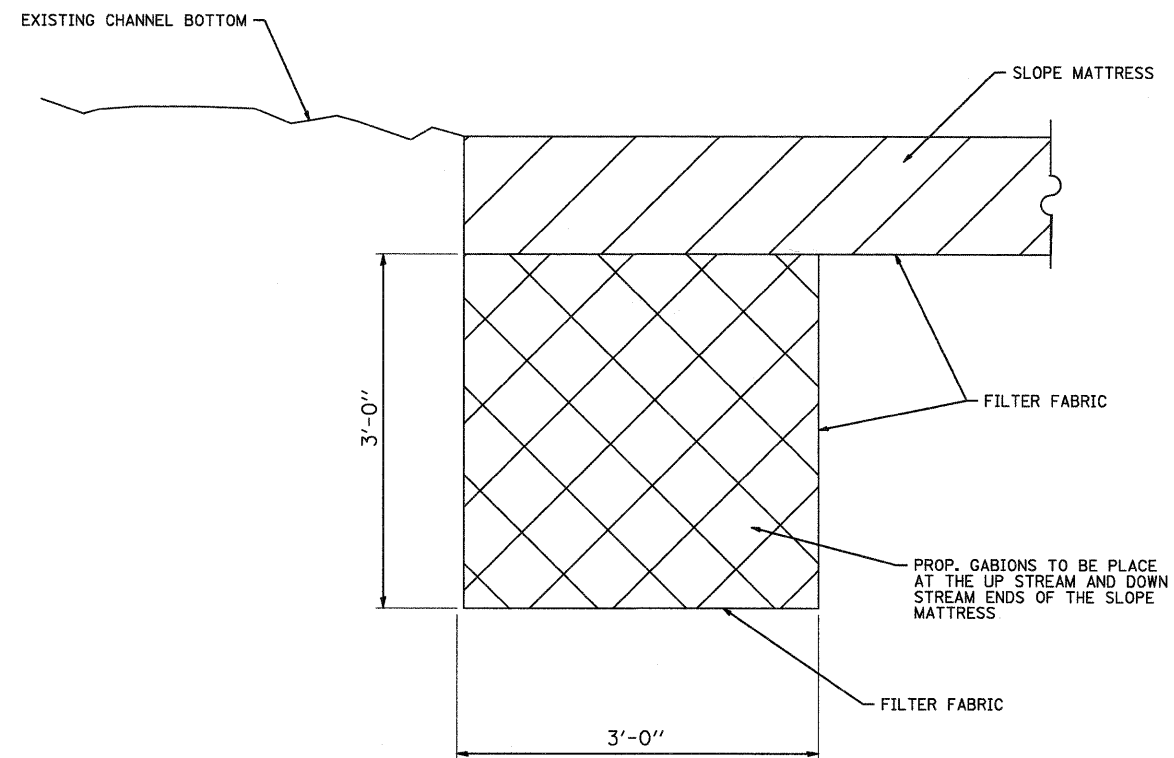
NOTES:

1. FLOTATION BOOM SHALL BE ANCHORED TO PREVENT DRIFT SHOREWARD OR DOWNSTREAM. ANCHORAGES SHALL BE INSTALLED ON BOTH SHORE AND STREAM SIDE.
2. SHORE ANCHORS SHALL CONSIST OF A POST WITH DEADMAN OR APPROVED EQUAL. STREAM ANCHORS SHALL BE SUFFICIENT SIZE TO STABILIZE THE BARRIER WITH NUMBER AND SPACING DEPENDENT ON WATERWAY VELOCITIES.
3. FABRIC SECTIONS SHALL BE CONNECTED END TO END WITH MINIMUM 5/8" DIAMETER POLYPROPYLENE ROPE
4. DESIGN OF BOOM AND ANCHORAGE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. BOTTOM OF BOOM SHALL REACH BOTTOM OF WATERWAY USING ONE OR TWO VERTICAL SECTIONS AS REQUIRED.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED. CONTRACTOR SHALL REMOVE THE BOOM AT COMPLETION OF WORK IN A MANNER THAT WILL PREVENT SILTATION OF THE WATERWAY.

APPLICATION: FLOTATION BOOMS TO BE USED TO CONTROL EROSION, TURBIDITY AND DEBRIS WHEN WORKING IN WATERWAYS.



FILTER FABRIC/ RIPRAP DETAIL



MATTRESS ANCHORING DETAIL

COMPANY NAME: #/COMPANY_NAME/ HRGreen.com
 PROJECT CONTACT: #/PROJECT_CONTACT/ Illinois Professional Design Firm
 CLIENT: #/CLIENT/ #184-001322
 DATE PLOTTED: 7/21/2011 4:40:41 PM
 FILE NAME: 86100196.03-def-05.dgn
 PLOT DRIVER: pdfplot
 PEN TABLE: STANDARD-TRANS.TBL



USER NAME = JGuerr1	DESIGNED -	REVISED -
PLOT SCALE = N/A	DRAWN -	REVISED -
PLOT DATE = 7/21/2011	CHECKED -	REVISED -
	DATE = 7/21/11	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: N/A		SHEET NO. 5 OF 5 SHEETS		STA.	TO STA.
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F.A. RTE. 344	SECTION 543X-B-1	COUNTY DUPAGE	TOTAL SHEETS 12	SHEET NO. 12
CONTRACT NO. 60R01				

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