

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	JB-1 (11)	DUPAGE	13	1
FED. ROAD DIST. NO 1	ILLINOIS	CONTRACT NO. 60R88		

04-27-12 LETTING ITEM 014

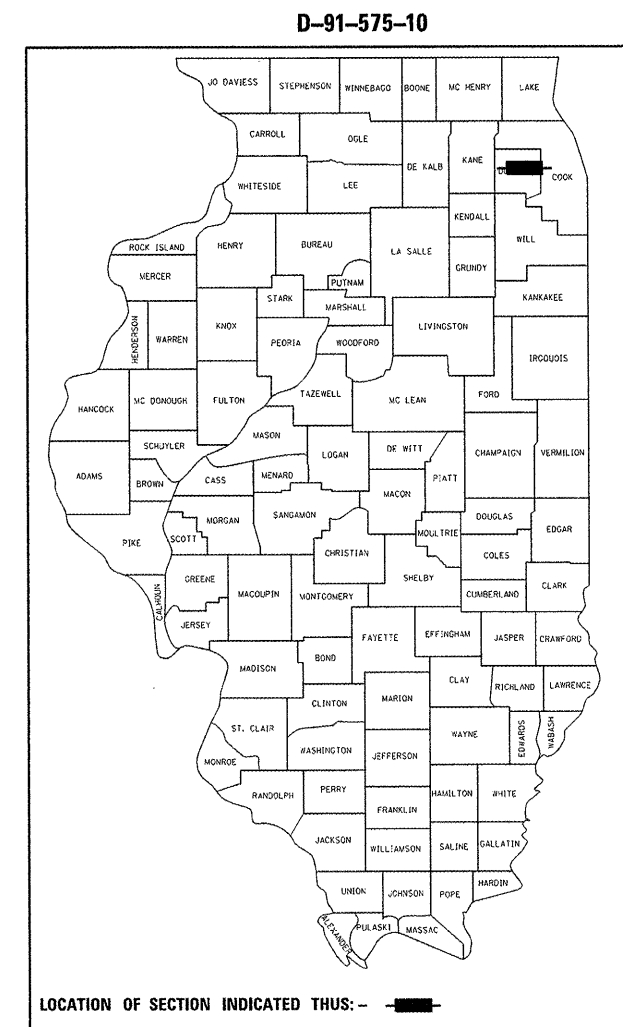
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

**MS 99/FAP 347 (IL 38 N. FRONTAGE RD – BRUSH HILL ROAD)/(IL 38)
OVER SALT CREEK
SECTION: JB-1 (11)
SCOUR COUNTERMEASURES AND STRUCTURAL REPAIR
DUPAGE COUNTY
C-91-233-12**

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR TRAFFIC DATA, SEE SHEET NO. 4

IMPROVEMENT LOCATED IN THE
CITY OF ELMHURST



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED FEBRUARY 14, 2012
Deane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 23, 2012
John D. Baranzelli, P.E.
ACTING ENGINEER OF DESIGN AND ENVIRONMENT

March 23, 2012
William R. Frey
ACTING DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

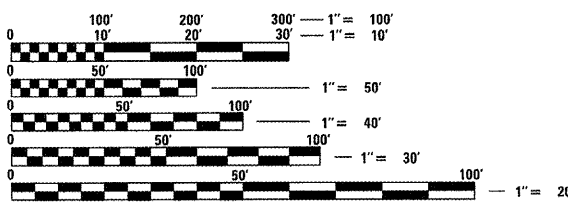
PROFESSIONAL ENGINEER'S SIGN & SEAL

Christopher M. Hoehn

EXPIRES: 11-30-13

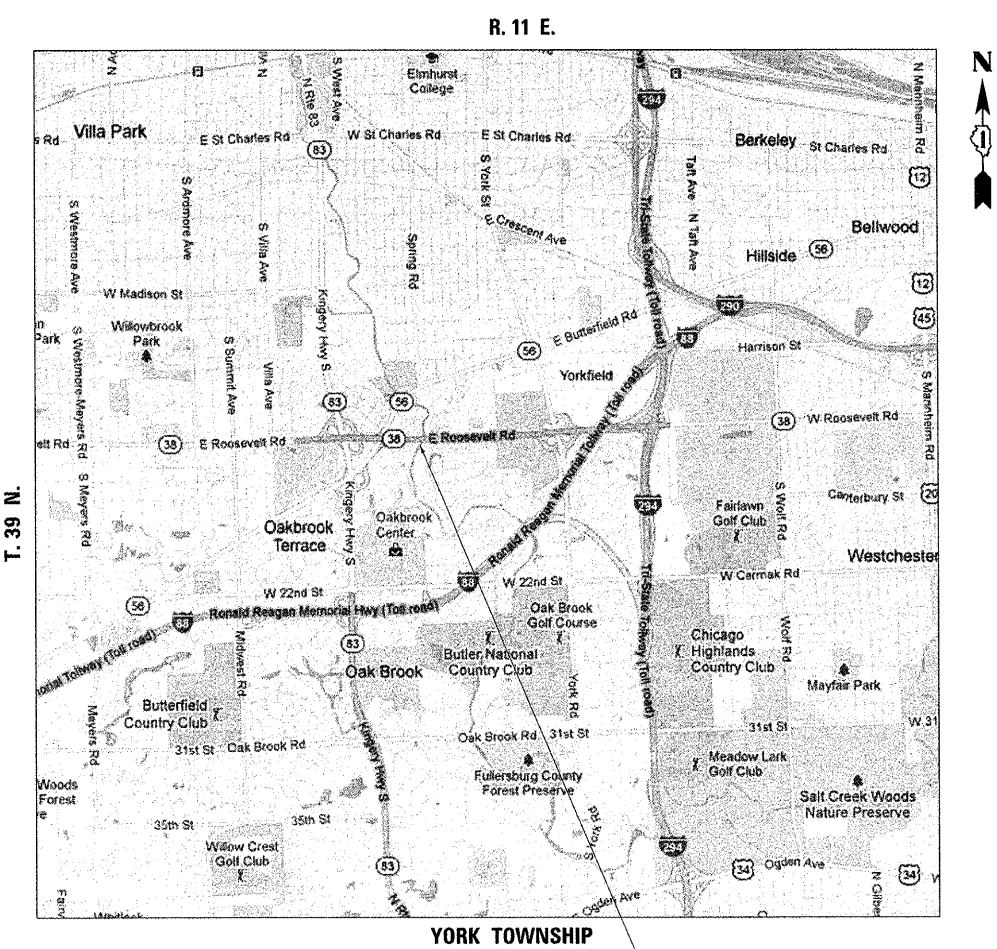
PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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



PROJECT LOCATION:
S.N. 022-0028, BRUSH HILL ROAD (NORTH FRONTAGE ROAD)
S.N. 022-0026, FAP 347, IL RTE 38 (ROOSEVELT ROAD)
OVER SALT CREEK

CONTRACT NO. 60R88

INDEX OF SHEETS

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8	CROSS SECTIONS SCOUR COUNTERMEASURES - BRUSH HILL ROAD
9	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
10	ARTERIAL ROAD INFORMATION SIGN
11-13	DEWATERING SYSTEM DETAILS SCOUR COUNTERMEASURES

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
701101-02	OFF-RD OPERATIONS, MULTILANE, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 4.5 m (15') AWAY
701601-07	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701901-02	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 REGRADING 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 CONTRACTORS 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 CONSTRUCTION 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 OR SLOPE MATTRESS PLACEMENT.
15. NIGHT TIME CLOSURES WILL NOT BE REQUIRED FOR THIS PROJECT.
16. UNLESS OTHERWISE NOTED, EXCAVATION OF MATERIAL REQUIRED TO INSTALL STONE RIPRAP OR SLOPE MATTRESS SHALL BE INCLUDED IN THE ITEM BEING INSTALLED.
17. THIS PROJECT REQUIRES US ARMY CORPS OF ENGINEERS 404 PERMITS. THE PERMITS ISSUED TO THE DEPARTMENT DOES NOT COVER THE IN STREAM WORK BY THE CONTRACTOR. THEREFORE AFTER AWARD, THE CONTRACTOR WILL NEED TO SUBMIT THE WORK PLAN TO THE CORPS. THE CORPS WILL NOT BE PROVIDING AN APPROVAL UNLESS STATED OTHERWISE IN THE PERMIT AND IN STREAM WORK CAN COMMENCE AT THE CONTRACTOR'S DISCRETION. GUIDELINES ON ACCEPTABLE IN STREAM WORK TECHNIQUES CAN BE FOUND ON THE CORPS WEBSITE: [HTTP:WWW.LRC.USACE.ARMY.MIL/](http://www.lrc.usace.army.mil/)

COMMITMENTS

NONE

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 PROJECT CONTACT: JGuerrero
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	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 2/15/2012	DATE = 2/15/12	REVISED -


**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.
	JB-1 (11)	DUPAGE	13	2
CONTRACT NO.			60R88	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES			07A0K 07A0L		
CODE NO.	ITEM	UNIT	URBAN 100% STATE TOTAL QUANTITY	MS	0014 FAP
				BRUSH HILL DUPAGE CO	ILL RTE 38 DUPAGE CO
28100107	STONE RIPRAP, CLASS A4	SQ YD	261	261	
28200200	FILTER FABRIC	SQ YD	419	419	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	2	1
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	0.5	0.5
X0301852	DEWATERING STRUCTURE NO. 1	EACH	1	1	
X0301853	DEWATERING STRUCTURE NO. 2	EACH	1		1
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	280		280
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4	

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	PLOT SCALE = N/A	CHECKED - T. HAMILTON	REVISED -
	PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

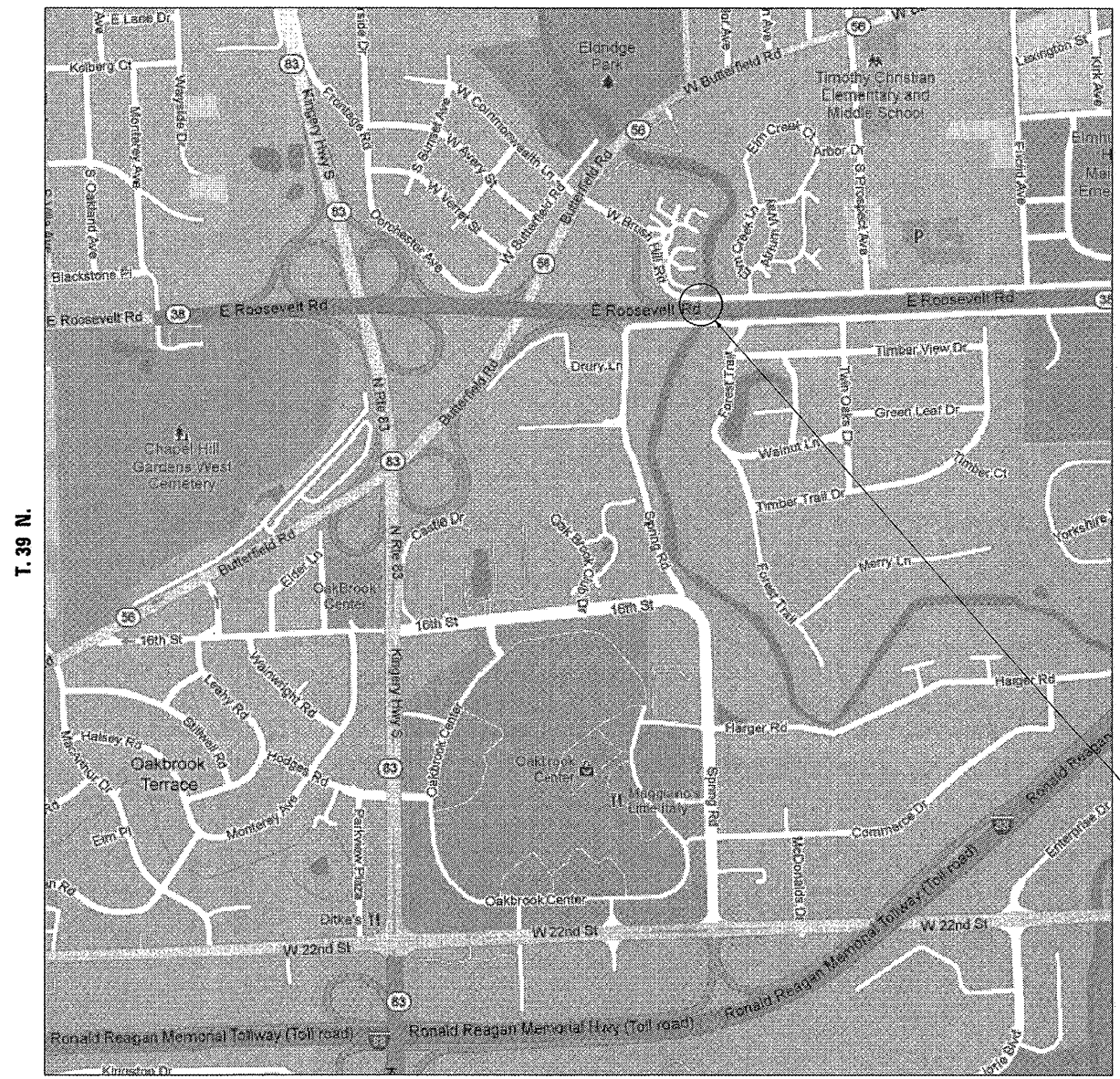
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	JB-1 (11)	DUPAGE	13	3
CONTRACT NO. 60R88				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

06100196.dgn
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**TRAFFIC DATA
BRUSH HILL ROAD
SPEED LIMIT = 30 MPH
2009 ADT = 500**

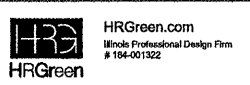
**IL 38 (ROOSEVELT ROAD)
SPEED LIMIT = 45 MPH
2009 ADT = 60,500**

R. 11 E.



**PROJECT LOCATION:
S.N. 022-0028, BRUSH HILL ROAD (NORTH FRONTAGE ROAD)
S.N. 022-0026, FAP 347, IL RTE 38 (ROOSEVELT ROAD)
OVER SALT CREEK**

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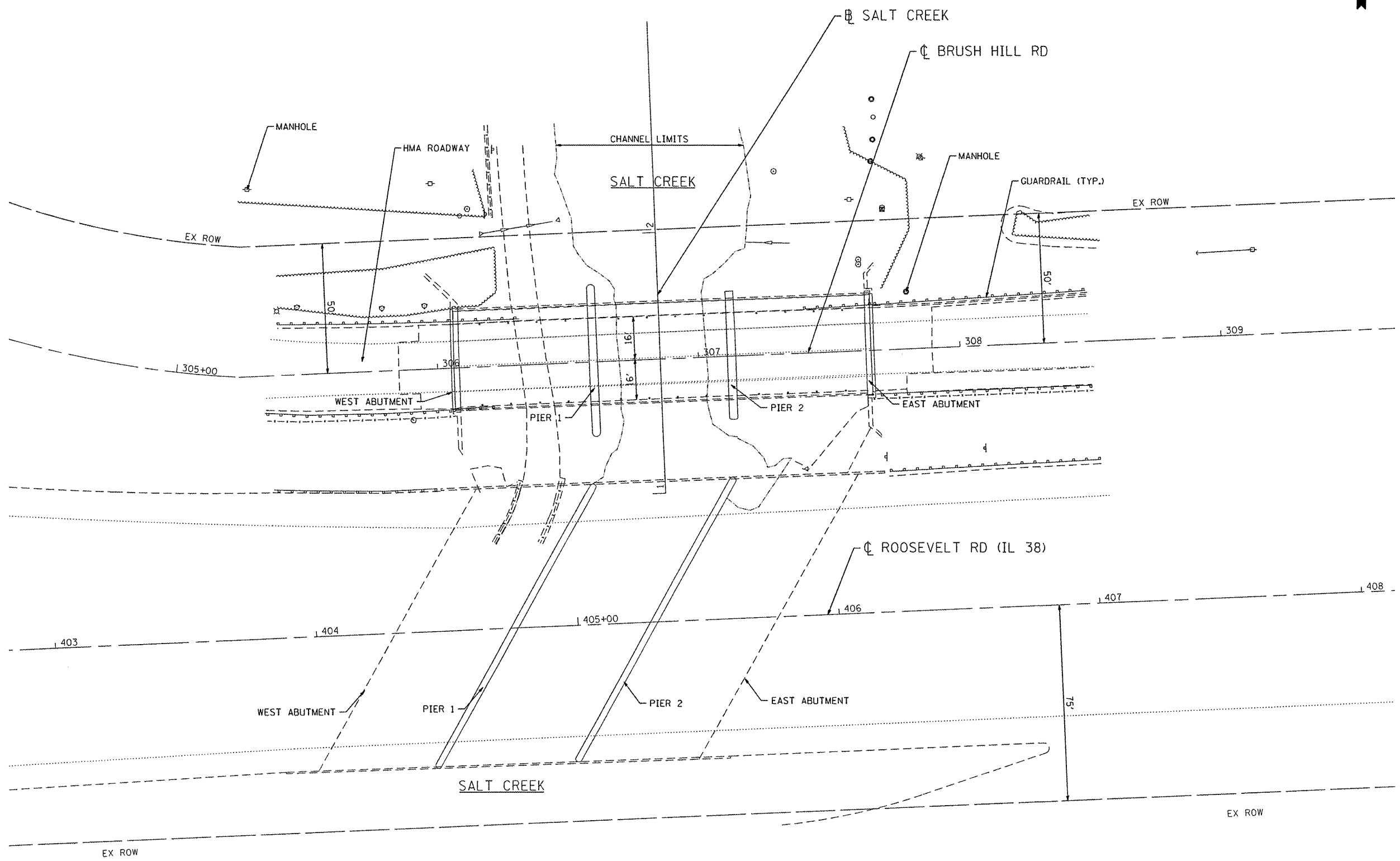


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PLOT DATE = 2/14/2012	CHECKED - T. HAMILTON	REVISED -
	DATE - 2/14/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCATION MAP	
SCOUR COUNTERMEASURES AND STRUCTURAL REPAIR	
SCALE: N/A	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	JB-1 (11)	DUPAGE	13	4
CONTRACT NO. 6OR88				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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HRGreen.com
 Made Professional Design Firm
 #194-001322

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PLOT SCALE = 1"=20'	DRAWN - S. PERNAL	REVISED -
PLOT DATE = 2/15/2012	CHECKED - T. HAMILTON	REVISED -
	DATE - 2/15/12	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN
BRUSH HILL ROAD OVER SALT CREEK
 SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS STA. 306+00 TO STA. 308+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	JB-1 (11)	DUPAGE	13	5
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60R88	

LEGEND



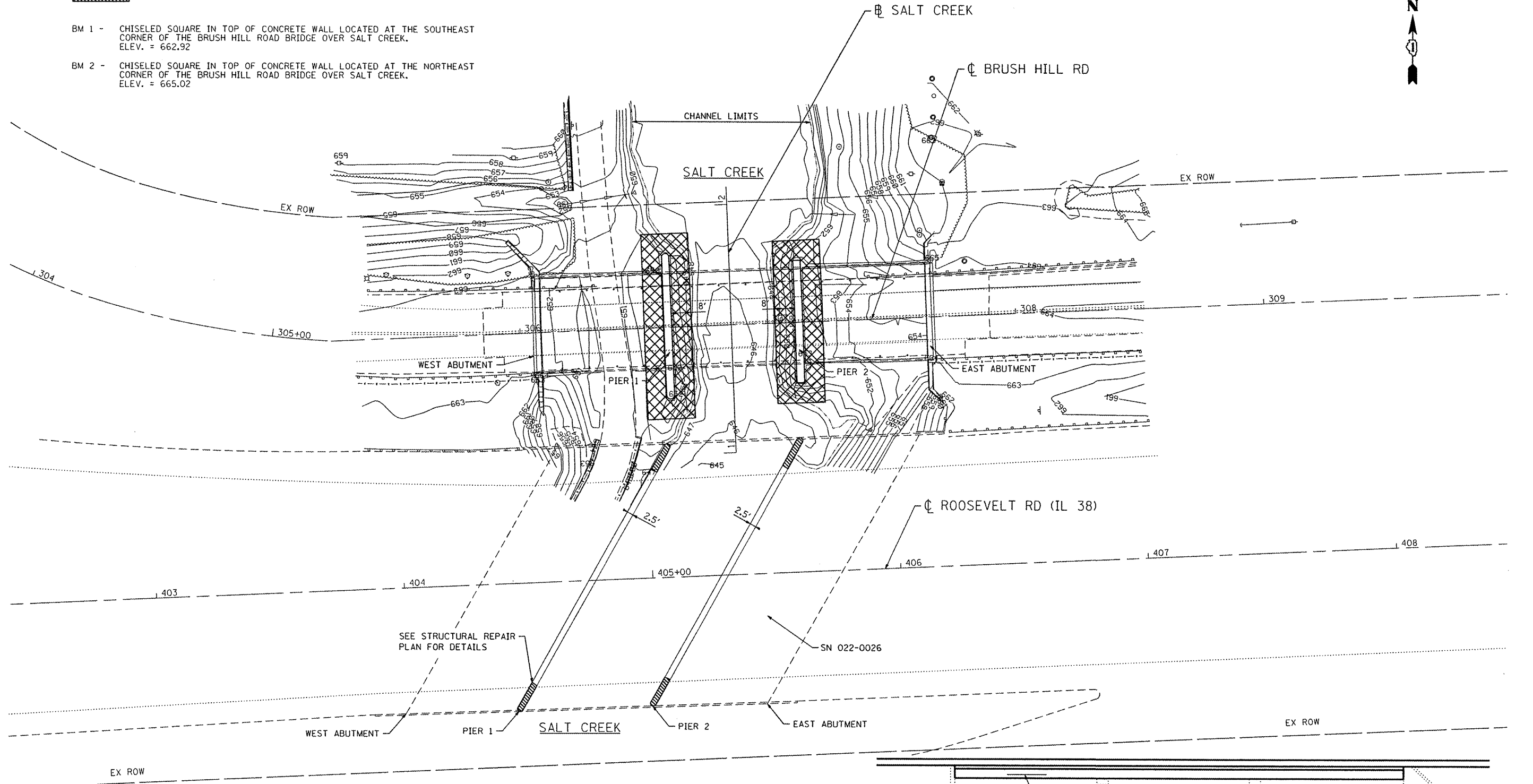
STONE RIPRAP, CLASS A4 (3' THICK)



STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)
(SN 022-0026)

BM 1 - CHISELED SQUARE IN TOP OF CONCRETE WALL LOCATED AT THE SOUTHEAST CORNER OF THE BRUSH HILL ROAD BRIDGE OVER SALT CREEK. ELEV. = 662.92

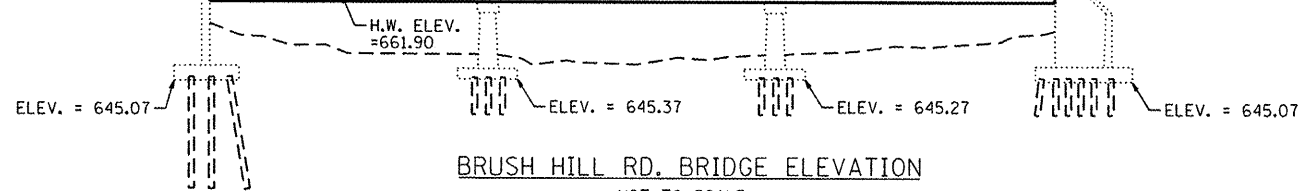
BM 2 - CHISELED SQUARE IN TOP OF CONCRETE WALL LOCATED AT THE NORTHEAST CORNER OF THE BRUSH HILL ROAD BRIDGE OVER SALT CREEK. ELEV. = 665.02



SEE STRUCTURAL REPAIR PLAN FOR DETAILS

SN 022-0026

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.



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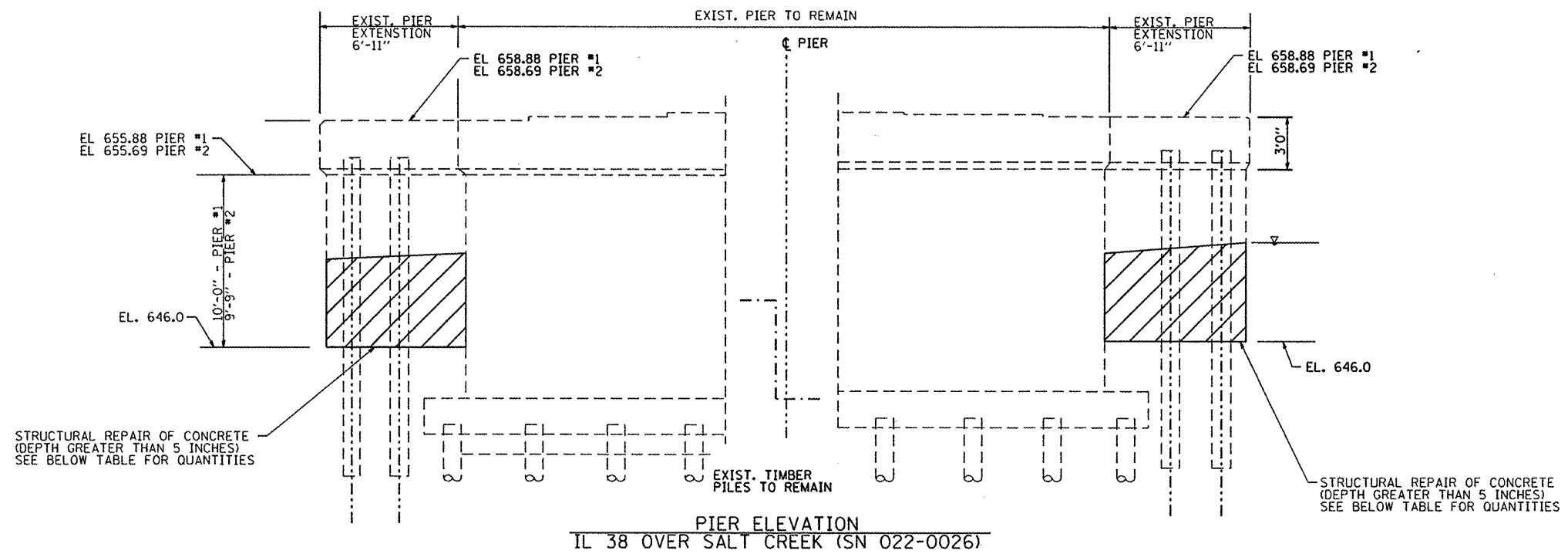
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PLOT DATE = 2/15/2012	CHECKED - T. HAMILTON	REVISED -
	DATE - 2/15/12	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN
BRUSH HILL ROAD OVER SALT CREEK**

SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. 306+00 TO STA. 308+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	JB-1 (11)	DUPAGE	13	6
CONTRACT NO. 60R88				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)

PIER	FACE	AREA (SF)		TOTALS
		SOUTH END	NORTH END	
PIER #1	EAST FACE	35	35	70.0
PIER #1	WEST FACE	35	35	70.0
PIER #2	EAST FACE	35	35	70.0
PIER #2	WEST FACE	35	35	70.0
TOTAL				280.0

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.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

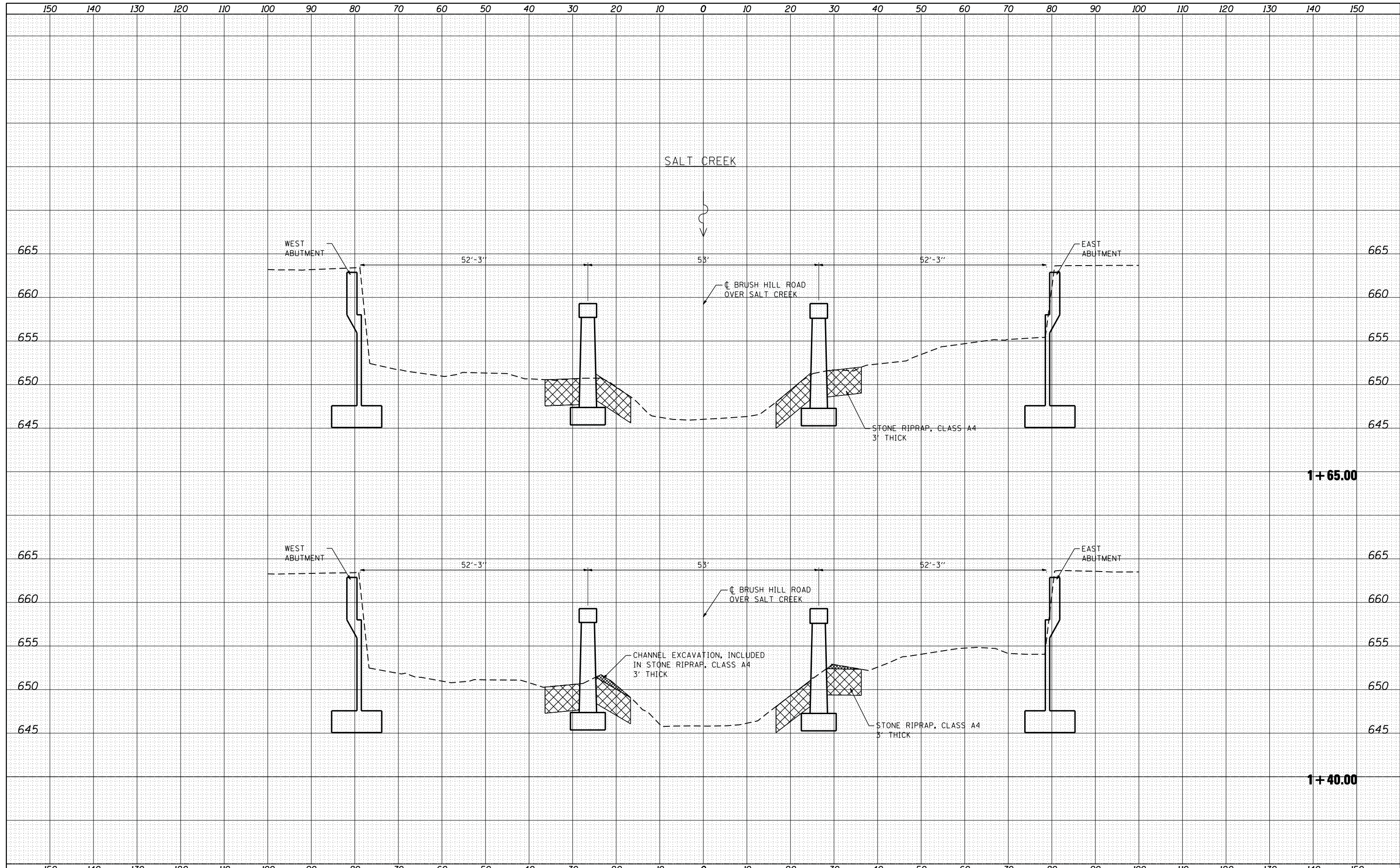
**SUBSTRUCTURE REPAIR PLANS
ILLINOIS ROUTE 38 OVER SALT CREEK**

SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	JB-1 (11)		13	7
FED. ROAD DIST. NO.			CONTRACT NO. 60R88	
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.	



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 #184-001322

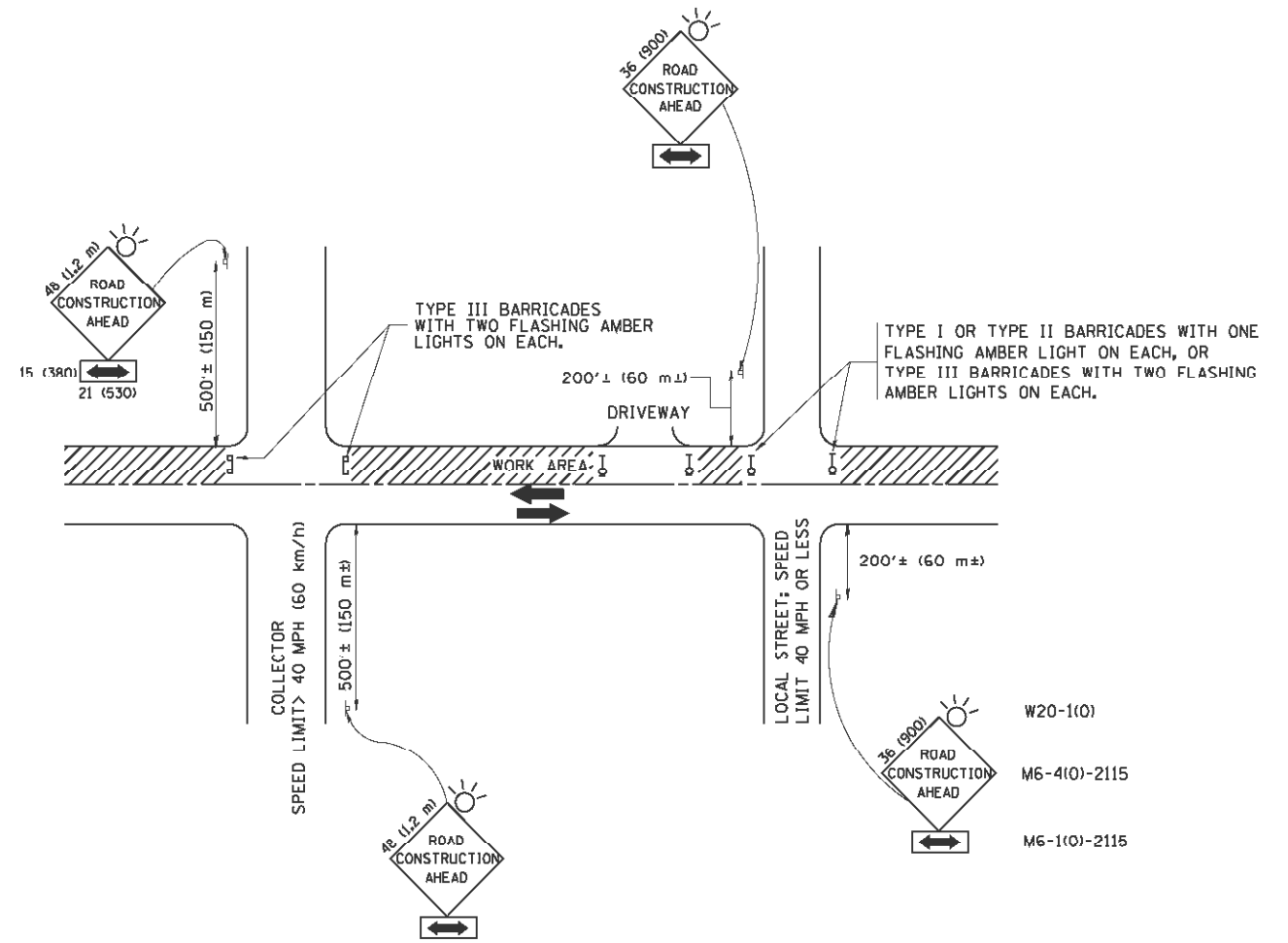
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PLOT DATE = 2/15/2012	DATE 2/15/12	REVISED

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 BRUSH HILL ROAD OVER SALT CREEK**

SCALE: 1:10H, 1:5V SHEET NO. 1 OF 1 SHEETS STA. 1+25.00 TO STA. 1+70.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	JB-1 (11)		13	8
		DUPAGE	CONTRACT NO.	60R88
			ILLINOIS FED. AID PROJECT	



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.
 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, 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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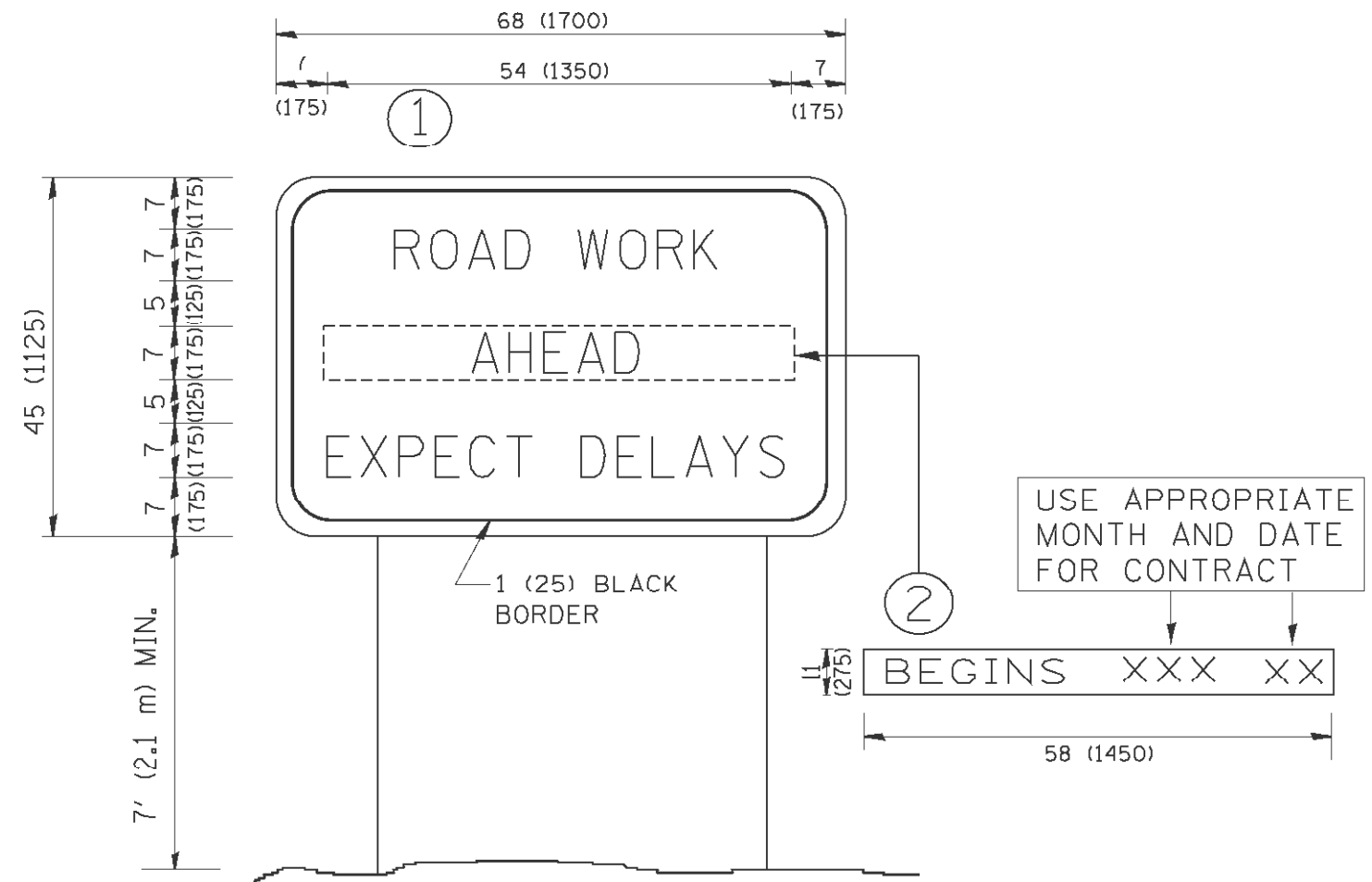
USER NAME = geglennob	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
PLOT SCALE = 50.000' / 1"	DRAWN -	REVISED - A. HOUSEH 03-06-96
PLOT DATE = 1/4/2008	CHECKED -	REVISED - A. HOUSEH 10-15-96
	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

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.
	JB-1 (11)	DUPAGE	13	9
TC-10			CONTRACT NO.	60R88
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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PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	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.
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TC-22			CONTRACT NO.	60R88
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

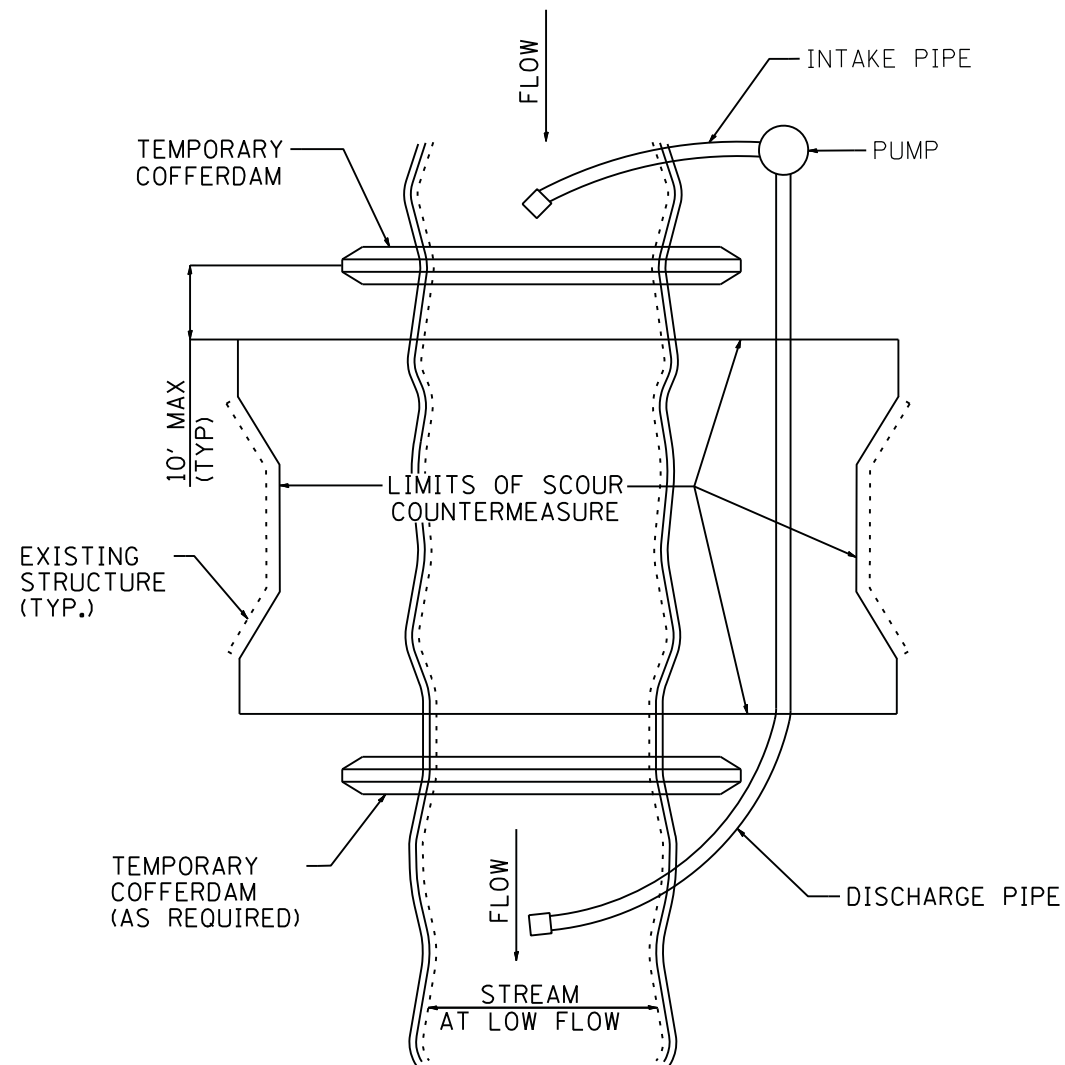


FIGURE D1. TEMPORARY COFFERDAM WITH PUMP BYPASS

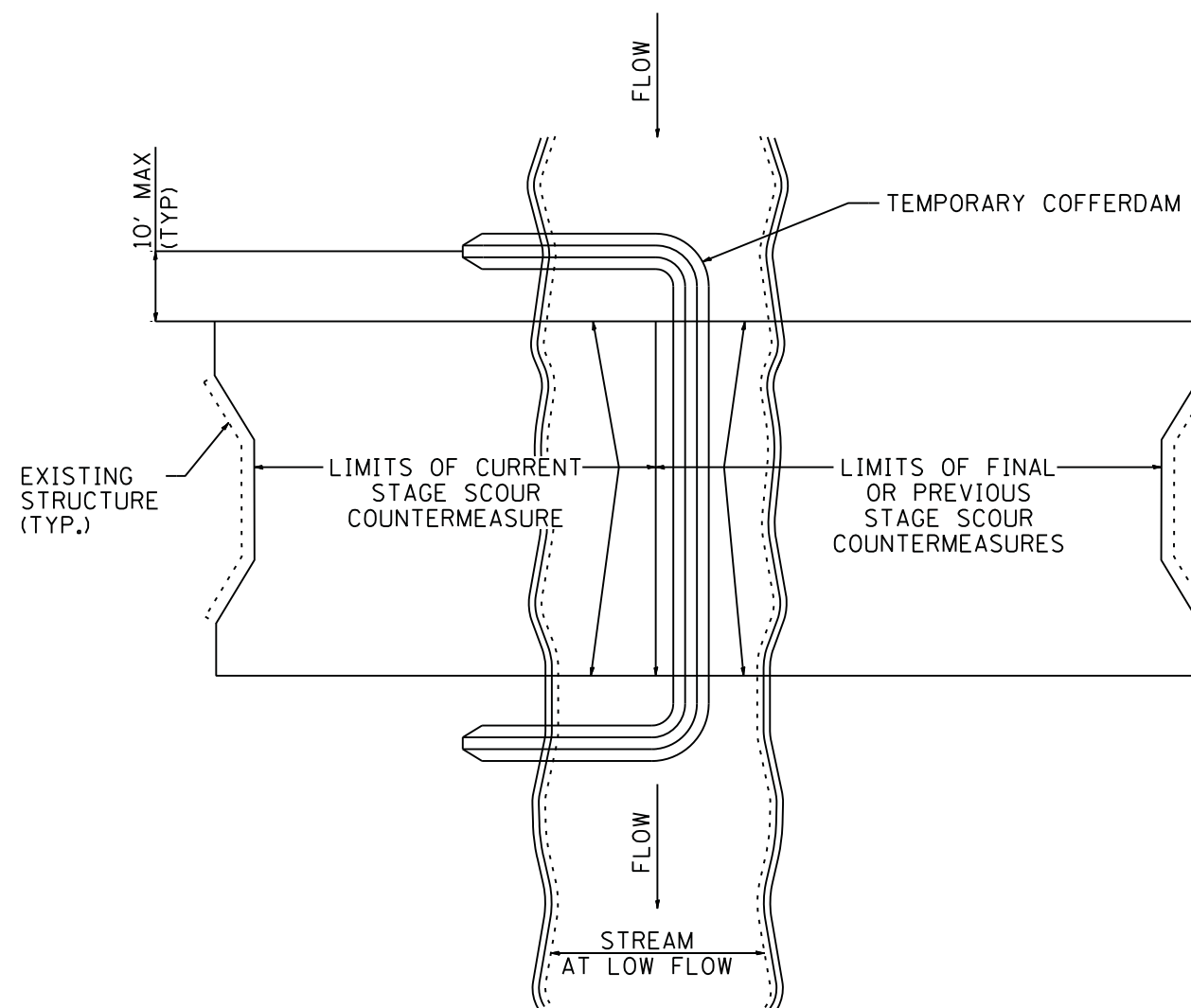


FIGURE D2. STAGED IN-STREAM COFFERDAM DIVISION

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

COMPANY NAME: #COMPANY_NAME
 PROJECT CONTACT: #PROJECT_CONTACT
 DATE PLOTTED: 2/15/2012 5:03:52 PM
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	DRAWN -	REVISED -
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PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

STATE OF ILLINOIS
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DEWATERING SYSTEM DETAILS
 SCOUR COUNTERMEASURES - VARIOUS LOCATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R88	

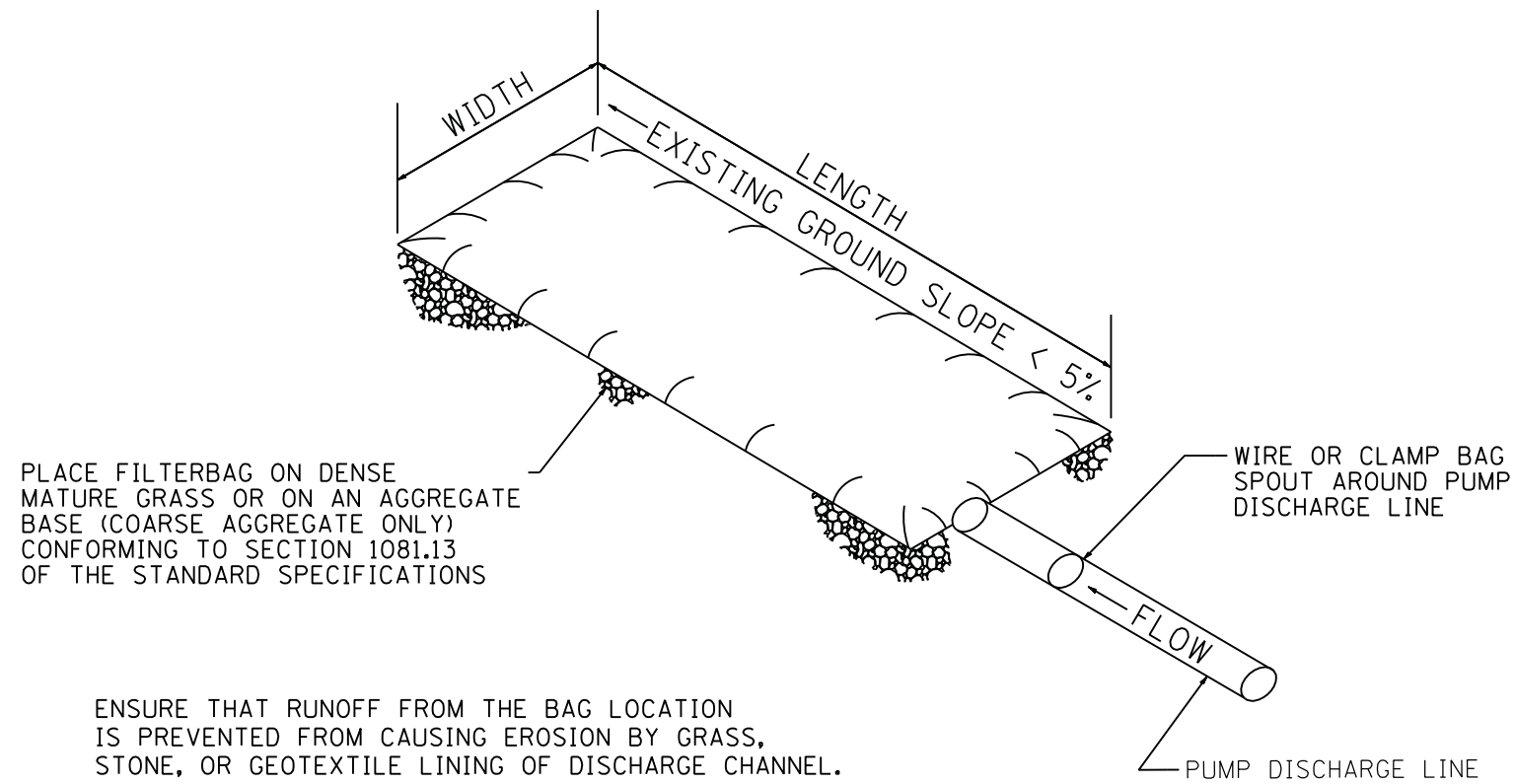


FIGURE S1. SEDIMENT FILTER BAG

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

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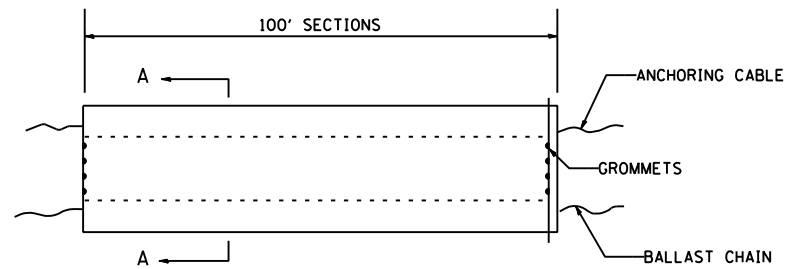
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PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

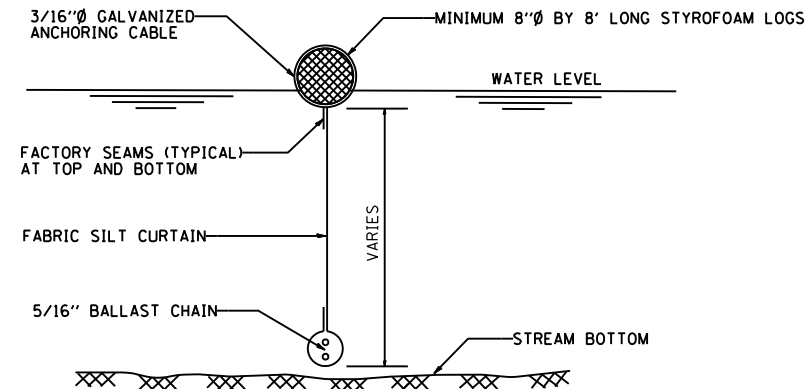
DEWATERING SYSTEM DETAILS
 SCOUR COUNTERMEASURES - VARIOUS LOCATION

SCALE: N/A SHEET NO. 4 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			60R88	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

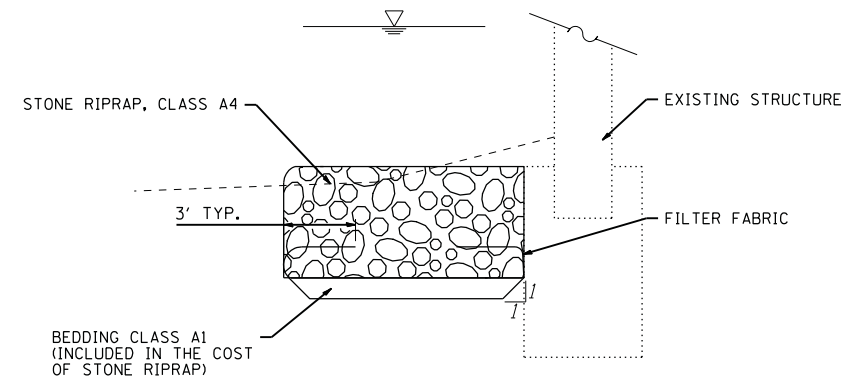


ELEVATION



SECTION A-A

FLOTATION BOOM



FILTER FABRIC/ RIPRAP DETAIL

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.

COMPANY NAME: #COMPANY_NAME/ HRGreen.com
 PROJECT CONTACT: #PROJECT_CONTACT/ Illinois Professional Design Firm #194-001522
 DATE PLOTTED: 2/15/2012 5:04:00 PM
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEWATERING SYSTEM DETAILS
SCOUR COUNTERMEASURES - VARIOUS LOCATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	JB-1 (11)	DUPAGE	13	13
CONTRACT NO.			60R88	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

86100196.03
86100196.19-IL38-de+05.dgn