

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	2011-214-1	COOK	12	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 60R55		

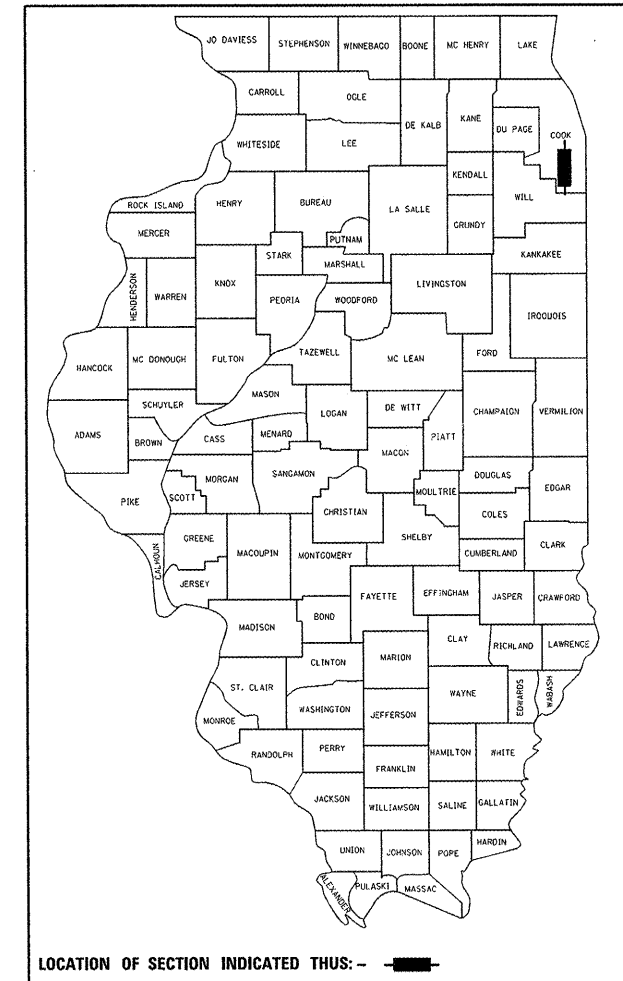
04-27-12 LETTING ITEM 011

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAU 2857 (ASHLAND AVENUE)
SECTION 2011-214-1
OVER LITTLE CALUMET RIVER
SCOUR COUNTERMEASURES
COOK COUNTY
C-91-135-12

D-91-135-12

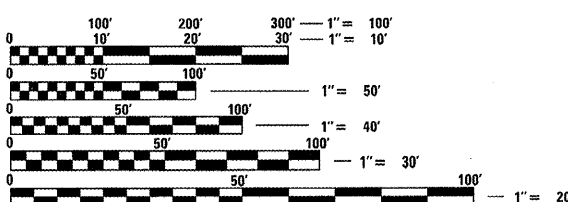


LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

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

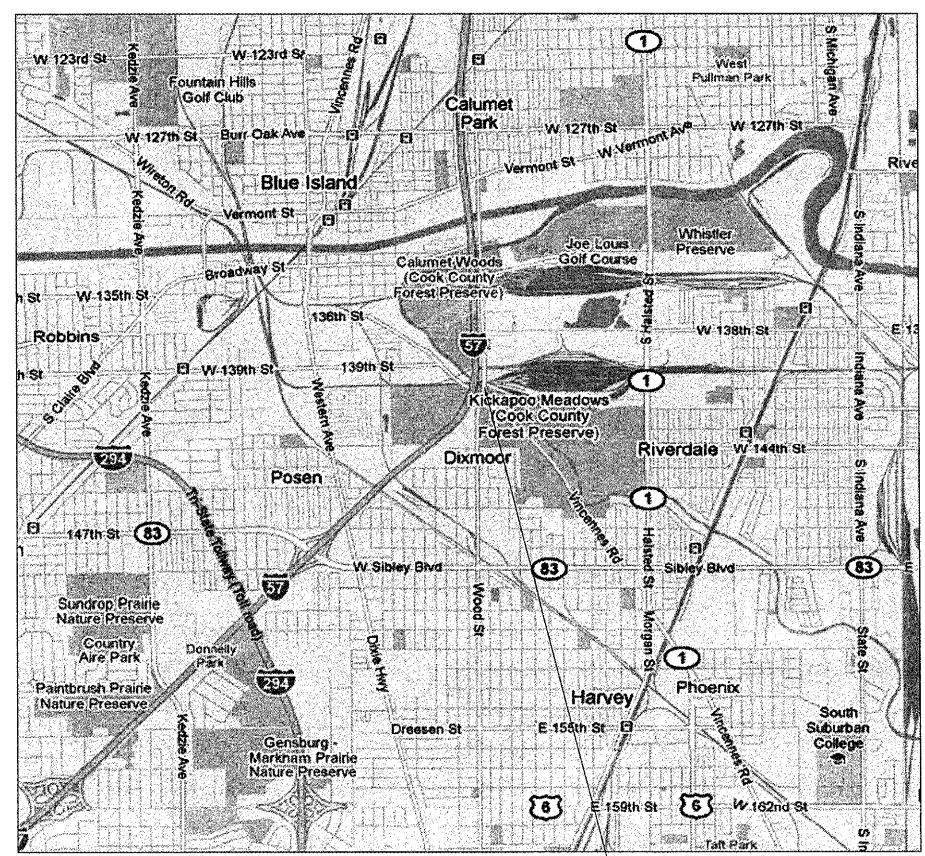
IMPROVEMENTS LOCATED IN THE
VILLAGE OF DIXMOOR

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. 016-0301, ASHLAND AVENUE
OVER LITTLE CALUMET RIVER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED FEBRUARY 23, 2012

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

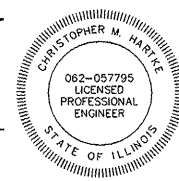
March 23, 2012
John D. Baranzelli, P.E.
ACTING ENGINEER OF DESIGN AND ENVIRONMENT

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

PROFESSIONAL ENGINEER'S SIGN & SEAL

Christopher M. Hartke

EXPIRES: 11-30-2013



PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CONTRACT NO. 60R55

INDEX OF SHEETS

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2	INDEX OF SHEETS, LIST OF STATE STANDARDS, AND GENERAL NOTES
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4	LOCATION MAP
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7	CROSS SECTIONS SCOUR COUNTERMEASURES - ASHLAND AVENUE
8	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
9	ARTERIAL ROAD INFORMATION SIGN
10-12	DEWATERING SYSTEM DETAILS SCOUR COUNTERMEASURES

LIST OF STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701426-04	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS >= 45 MPH
701606-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIUM
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
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 OR SLOPE MATTRESS.
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 PLANS 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

"Work on this project will be in progress at the same time as work on contract 64H84, Micro surfacing application on I-39 from Lee County Line to south of the Baxter Road ramps. The contractors shall inform each other of progress of the projects and give fair warning to the other contractor when a problem might be encountered."

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 PROJECT CONTACT: HRGreen.com
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 PLOT DRIVER: pdf.plt
 PEN TABLE: standard-trans.tbl



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	DRAWN -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 2/21/2012	DATE - 2/21/12	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. 2857	SECTION 2011-214-I	COUNTY COOK	TOTAL SHEETS 12	SHEET NO. 2
			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

Rev.

CONTRACT NO. 60R55

SUMMARY OF QUANTITIES			URBAN 100% STATE TOTAL QUANTITY	0014 LOCATION 1 ASHLAND COOK COUNTY
CODE NO.	ITEM	UNIT		
20300100	CHANNEL EXCAVATION	CU YD	45	45
28100107	STONE RIPRAP, CLASS A4	SQ YD	385	385
28200200	FILTER FABRIC	SQ YD	1,290	1,290
28400100	GABIONS	CU YD	58	58
28401000	SLOPE MATTRESS 12"	SQ YD	777	777
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3
67100100	MOBILIZATION	L SUM	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	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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 PLOT DRIVER: pdf.plt
 PEN TABLE: standard.ctb



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	DRAWN - S. PERNAL	REVISED -
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

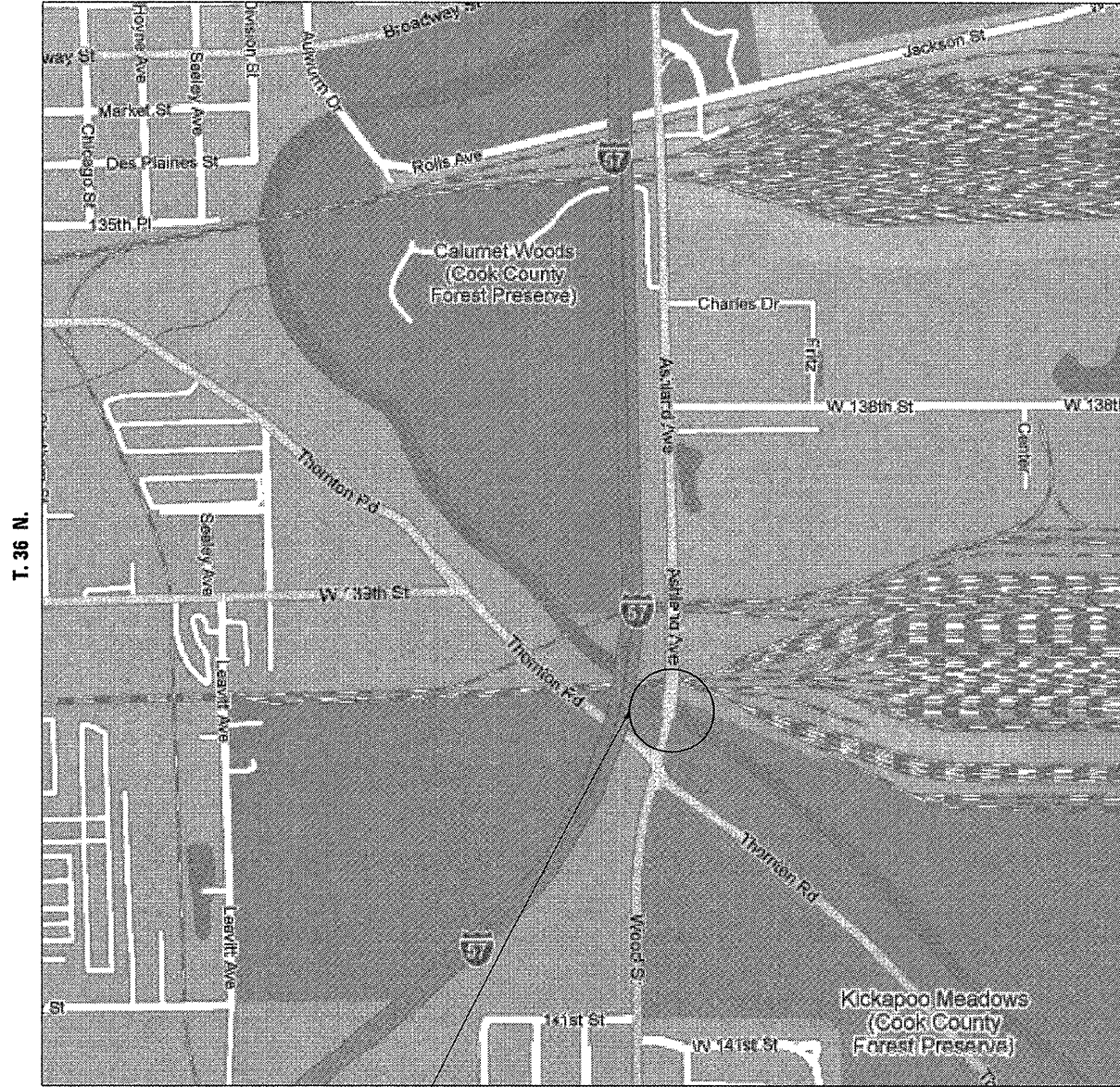
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	2011-214-1	COOK	12	3
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60R55	



TRAFFIC DATA
 SPEED LIMIT = 40 MPH
 2006 ADT = 13,200

R. 14 E.



LOCATION 1 – COOK COUNTY
 STRUCTURE NUMBER: 016-0301
 ASHLAND AVENUE OVER LITTLE CALUMET RIVER
 LOCATED IN THORNTON TOWNSHIP
 VILLAGE OF DIXMOOR

T. 36 N.

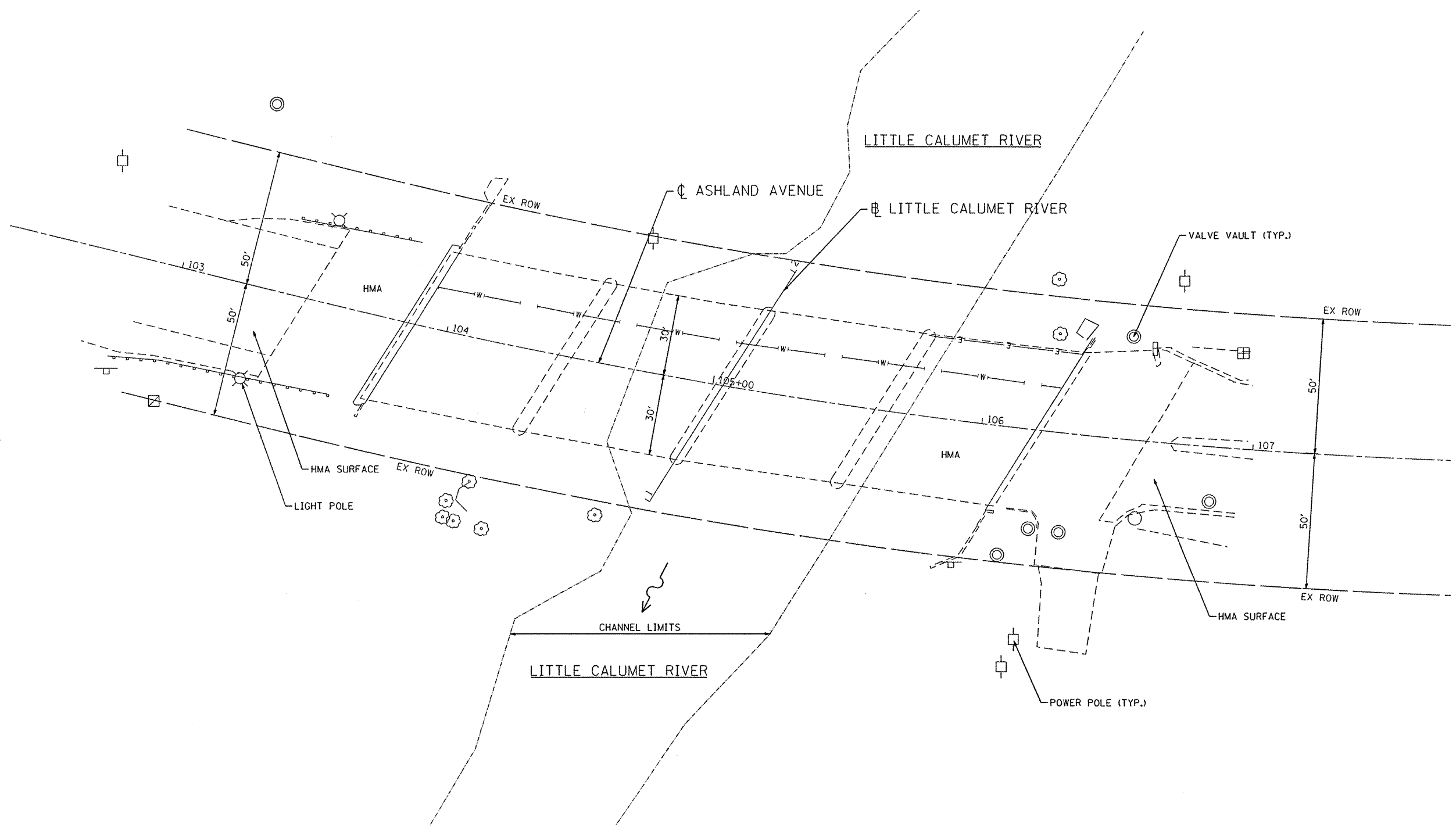
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 PROJECT CONTACT: S. PERNAL
 CLIENT: HRGreen, INC.
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PLOT DATE = 2/14/2012	DATE - 2/14/12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

LOCATION MAP SCOUR COUNTERMEASURES		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: N/A		2857	2011-214-1	COOK	12	4
SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		CONTRACT NO. 60R55		
		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



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 PROJECT CONTACT: J. GUERRA
 CLIENT: STATE OF ILLINOIS
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	DATE - 2/15/12	REVISED -

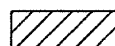
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN ASHLAND AVENUE OVER LITTLE CALUMET RIVER			
SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS	STA. 103+00	TO STA. 107+00

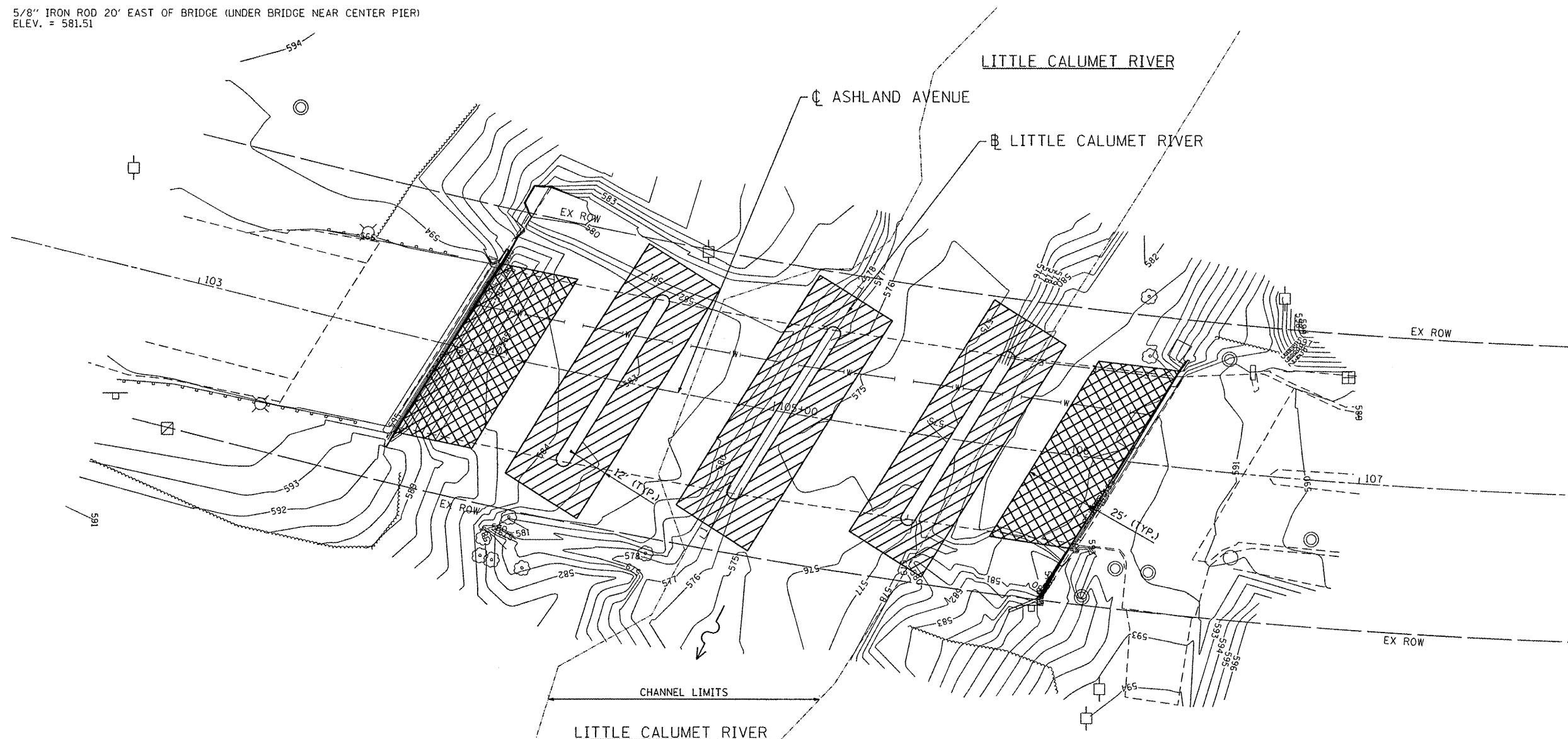
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FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60R55	

LEGEND

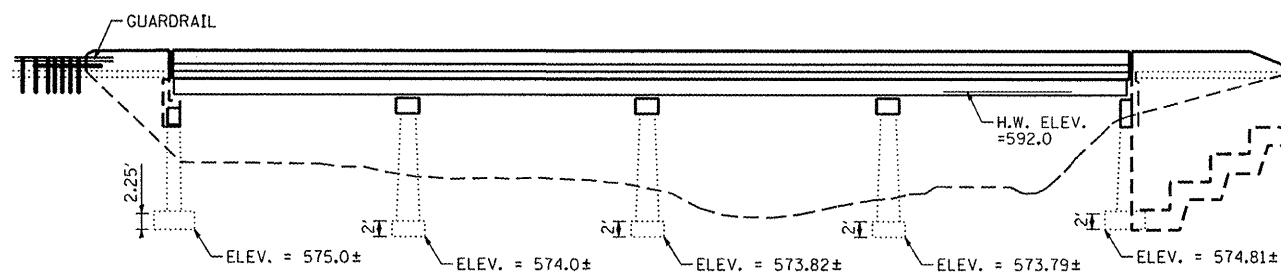
 STONE RIPRAP, CLASS A4 (2.3' THICK)

 SLOPE MATTRESS (12.0" THICK)

BM 1 - 5/8" IRON ROD 20' EAST OF BRIDGE (UNDER BRIDGE NEAR CENTER PIER)
ELEV. = 581.51



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.



BRIDGE ELEVATION
NOT TO SCALE

COMPANY NAME: HRGreen.com
PROJECT CONTACT: JGuerrero
CLIENT: ILLINOIS
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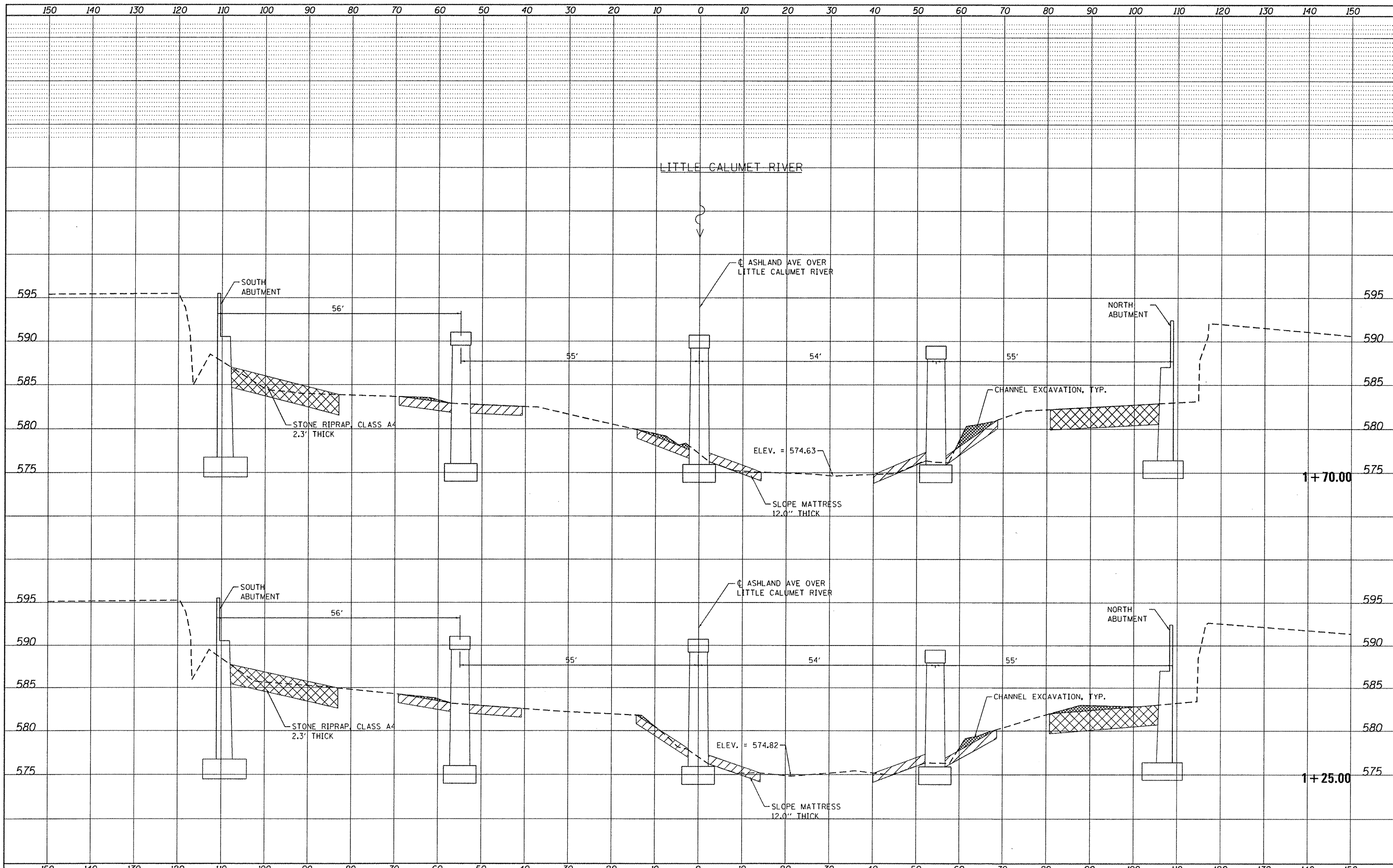
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL PLAN
ASHLAND AVENUE OVER LITTLE CALUMET RIVER
SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. 103+00 TO STA. 107+00

F.A. RTEL. 2857	SECTION 2011-214-I	COUNTY COOK	TOTAL SHEETS 12	SHEET NO. 6
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT CONTRACT NO. 60R55				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
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NO.	



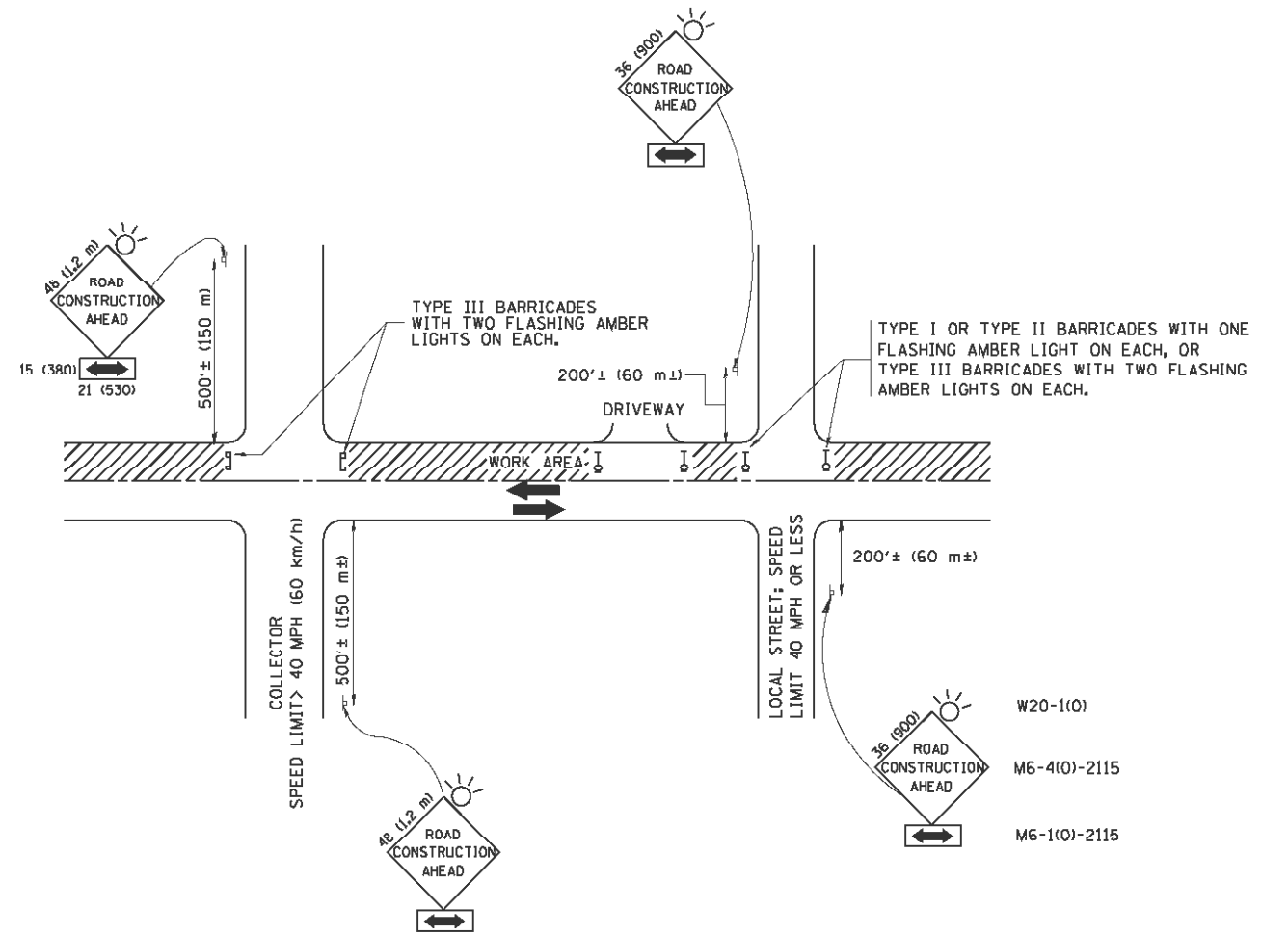
HRGreen.com
Illinois Professional Design Firm
#184-001322
HRGreen

USER NAME = jguerr	DESIGNED C. HARTKE	REVISED
	DRAWN S. PERNAL	REVISED
	CHECKED T. HAMILTON	REVISED
	DATE 2/21/12	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
ASHLAND AVENUE OVER LITTLE CALUMET RIVER
SCALE: 1:10H, 1:5V SHEET NO. 1 OF 2 SHEETS STA. 1+25.00 TO STA. 1+70.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	2011-214-1	COOK	12	7
CONTRACT NO. 60R55			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 (90x90) 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. 70150L, 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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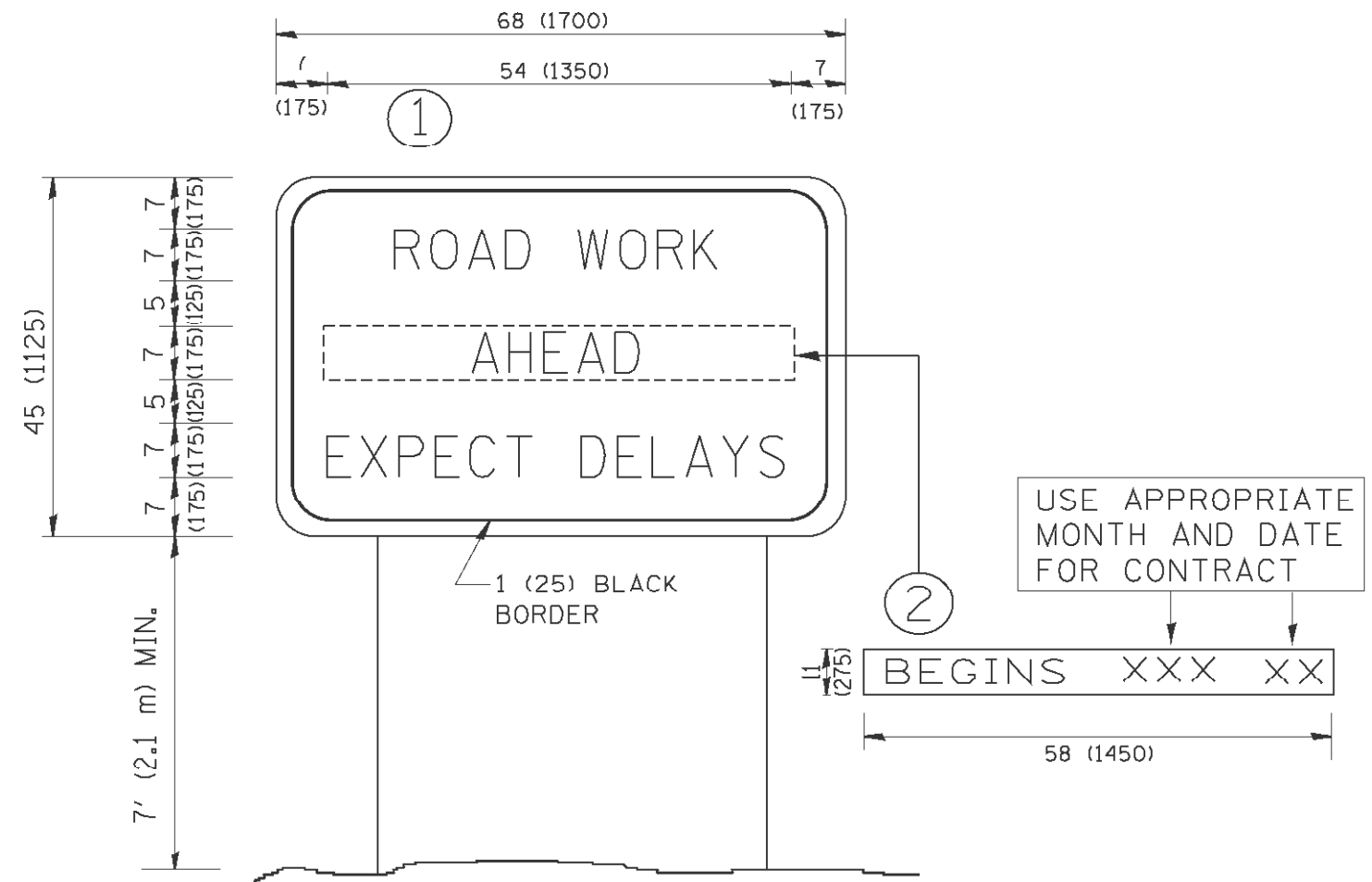
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PLOT DATE = 1/4/2008	CHECKED -	REVISED - A. HOUSEH 10-15-96
	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

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.
2857	2011-214-1	COOK	12	8
TC-10		CONTRACT NO.	60R55	
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.

COMPANY NAME: #COMPANY-NAME/
 PROJECT CONTACT: #PROJECT-CONTACT/
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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.
2857	2011-214-1	COOK	12	9
TC-22			CONTRACT NO. 60R55	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

86100196.03
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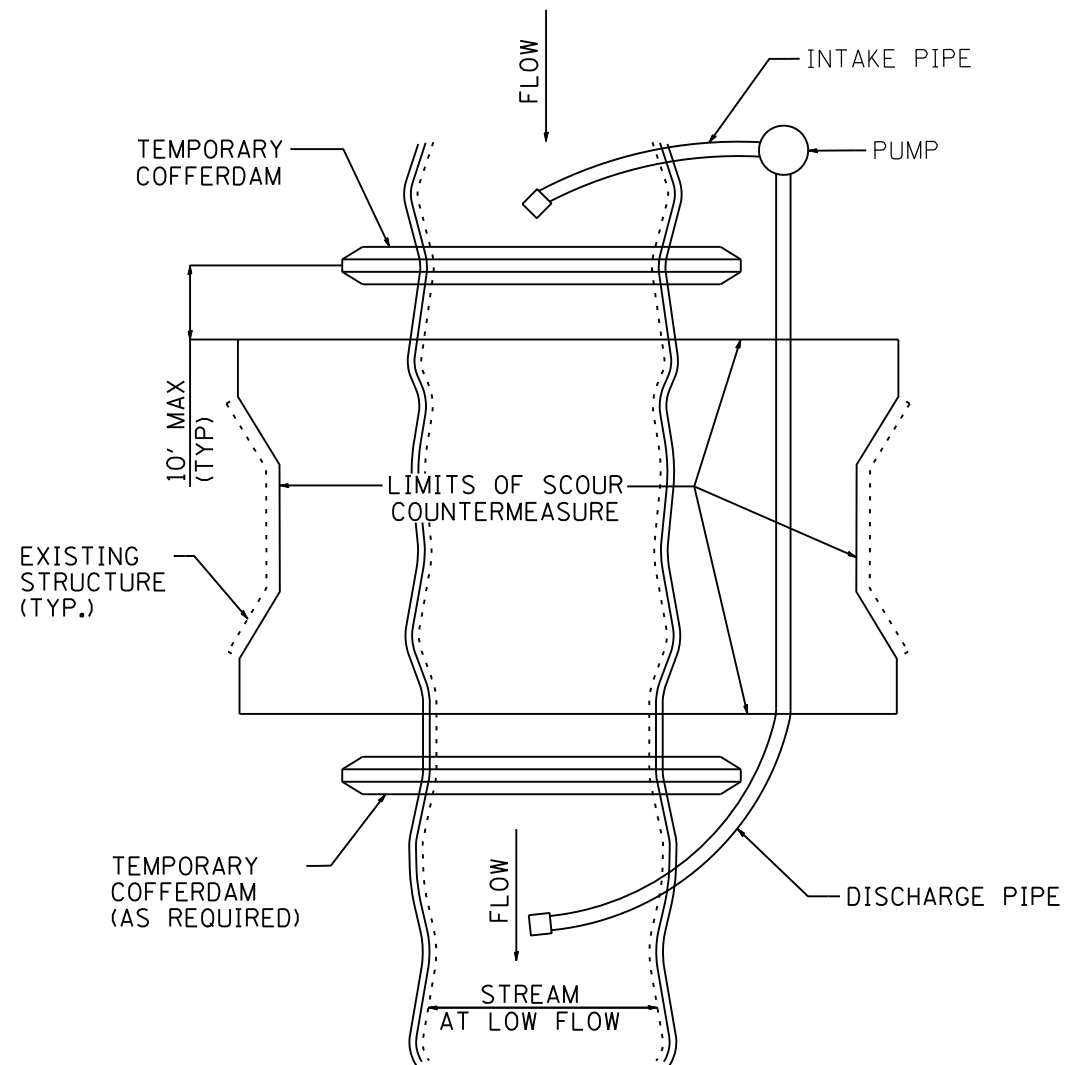


FIGURE D1. TEMPORARY COFFERDAM WITH PUMP BYPASS

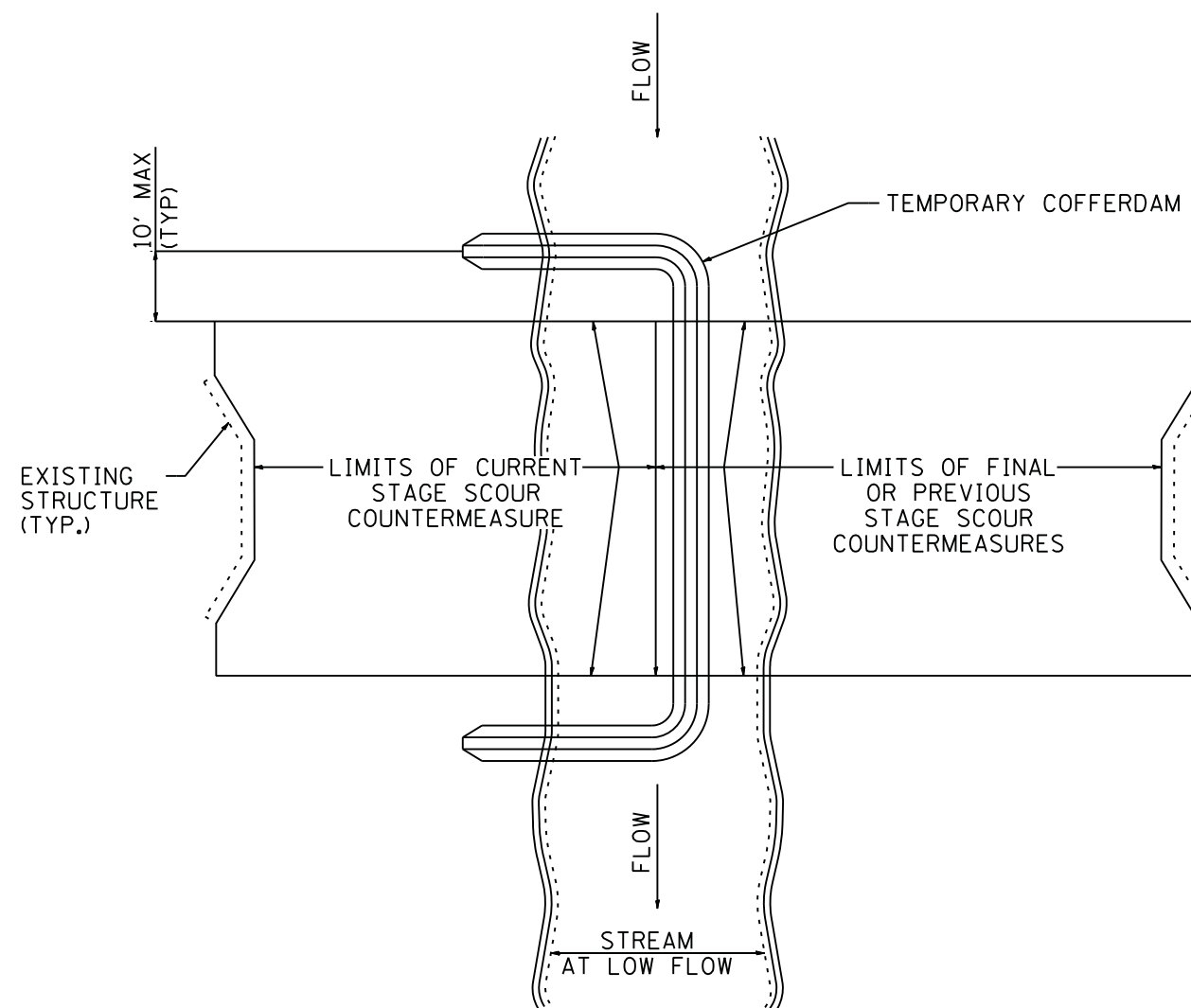


FIGURE D2. STAGED IN-STREAM COFFERDAM DIVISION

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

COMPANY NAME: #COMPANY_NAME
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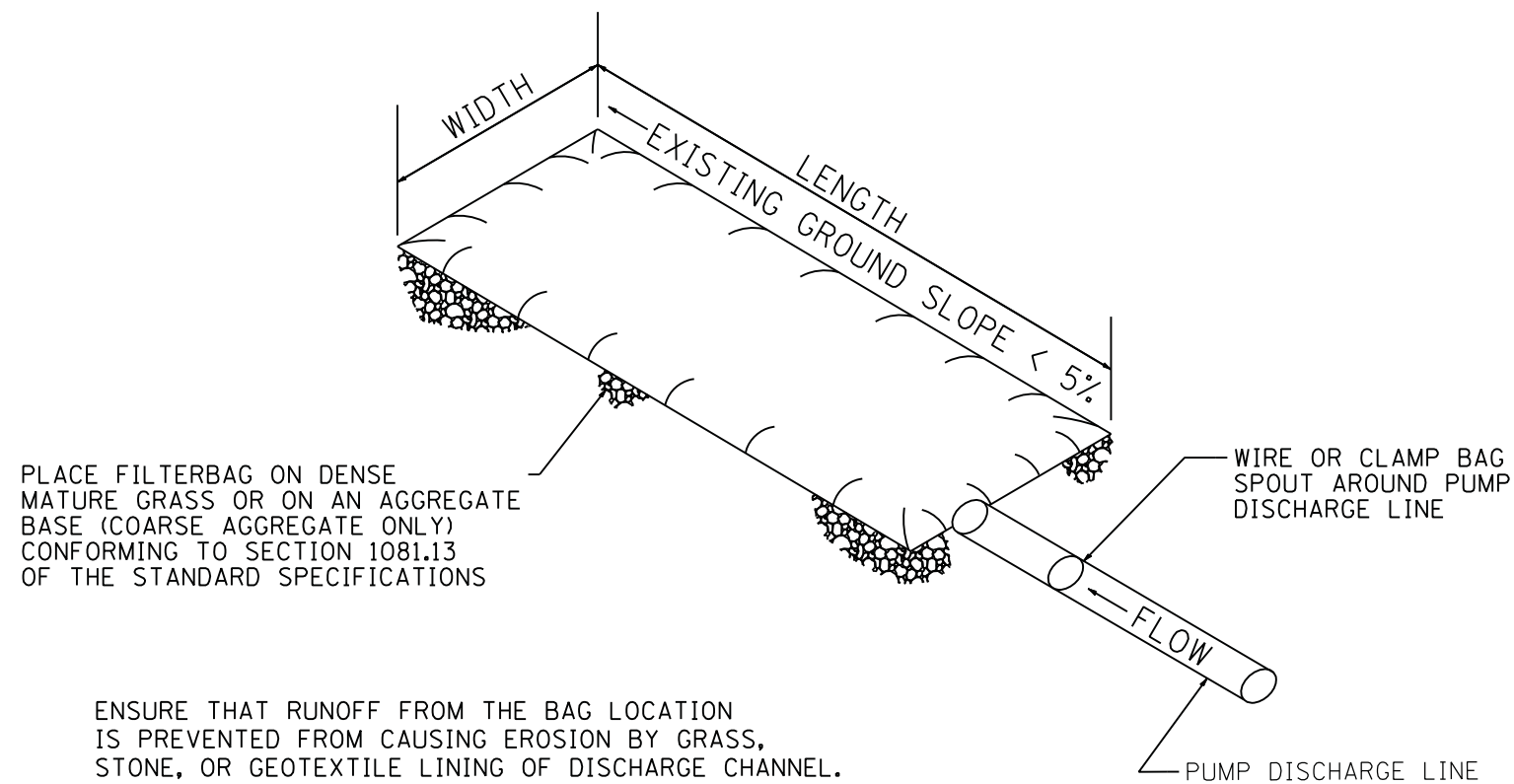
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	DRAWN -	REVISED -
PLOT SCALE = N/A	CHECKED -	REVISED -
PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DEWATERING SYSTEM DETAILS
 SCOUR COUNTERMEASURES - VARIOUS LOCATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	2011-214-1	COOK	12	10
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R55	



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

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

FIGURE S1. SEDIMENT FILTER BAG

COMPANY NAME: #COMPANY_NAME
 PROJECT CONTACT: #PROJECT_CONTACT
 DATE PLOTTED: 2/15/2012 4:24:11 PM
 FILE NAME: 86100196.03-dwt-04.dgn
 PLOT DRIVER: pdfcut
 PEN TABLE: standard-trans.tbl



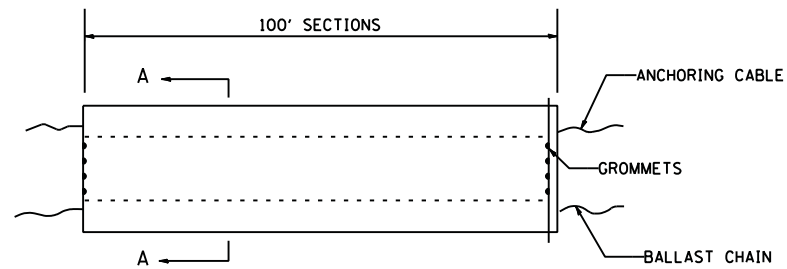
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	DRAWN -	REVISED -
PLOT SCALE = N/A	CHECKED -	REVISED -
PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

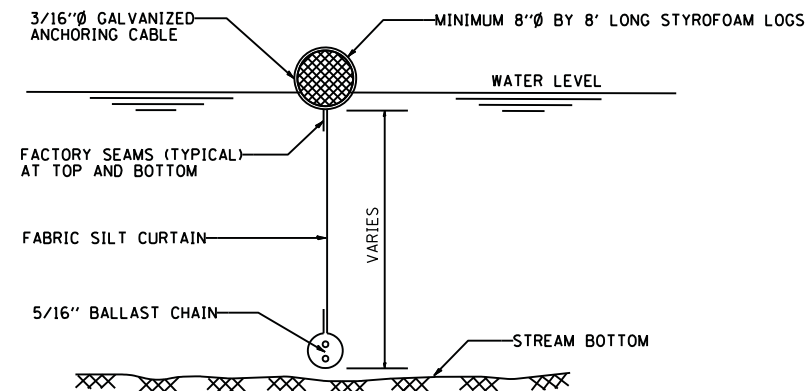
DEWATERING SYSTEM DETAILS
 SCOUR COUNTERMEASURES - VARIOUS LOCATION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	2011-214-1	COOK	12	11
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R55	



ELEVATION



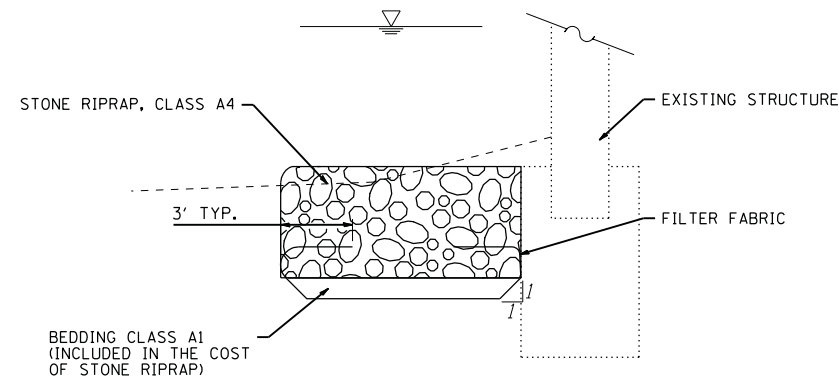
SECTION A-A

FLOTATION BOOM

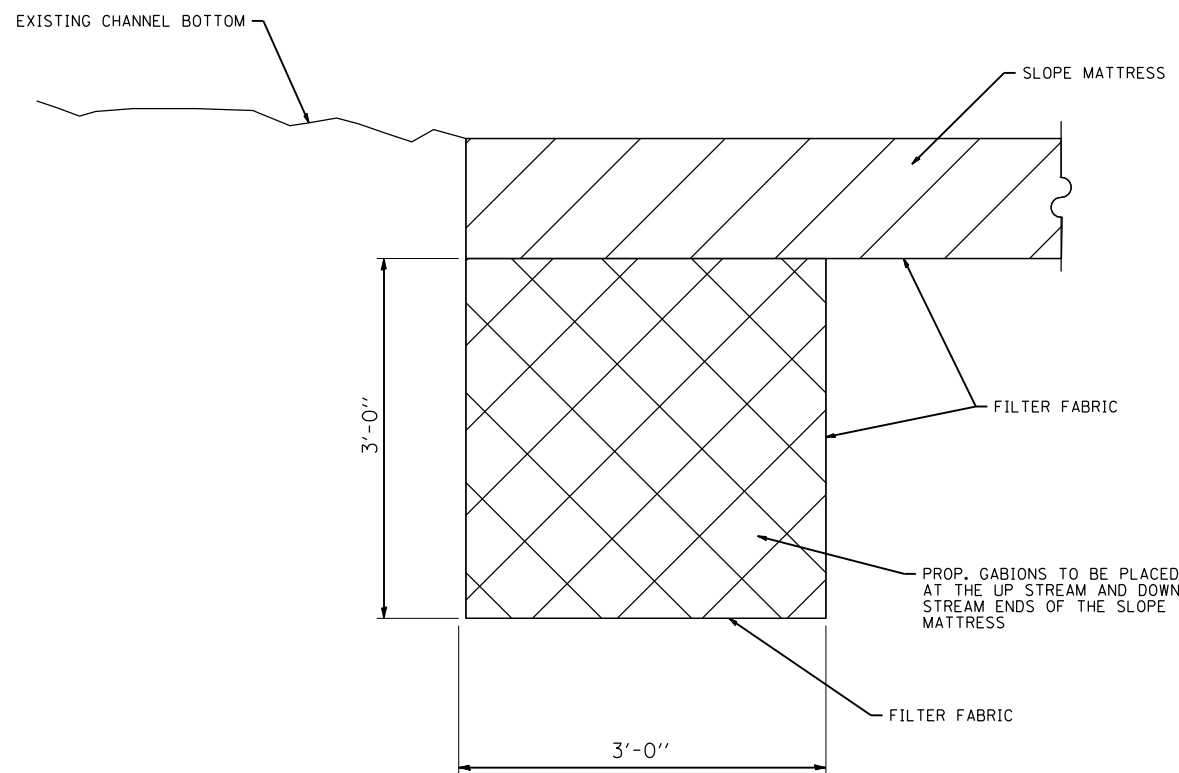
NOTES:

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



MATRESS ANCHORING DETAIL

COMPANY NAME: #COMPANY_NAME/
 PROJECT CONTACT: #PROJECT_CONTACT/
 DATE PLOTTED: 2/15/2012 4:24:17 PM
 FILE NAME: 86100196.03-drt-05.dgn
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USER NAME = JGuerr	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = N/A	CHECKED -	REVISED -
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. 5 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2857	2011-214-1	COOK	12	12
CONTRACT NO. 60R55				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				