

04-27-12 LETTING ITEM 013

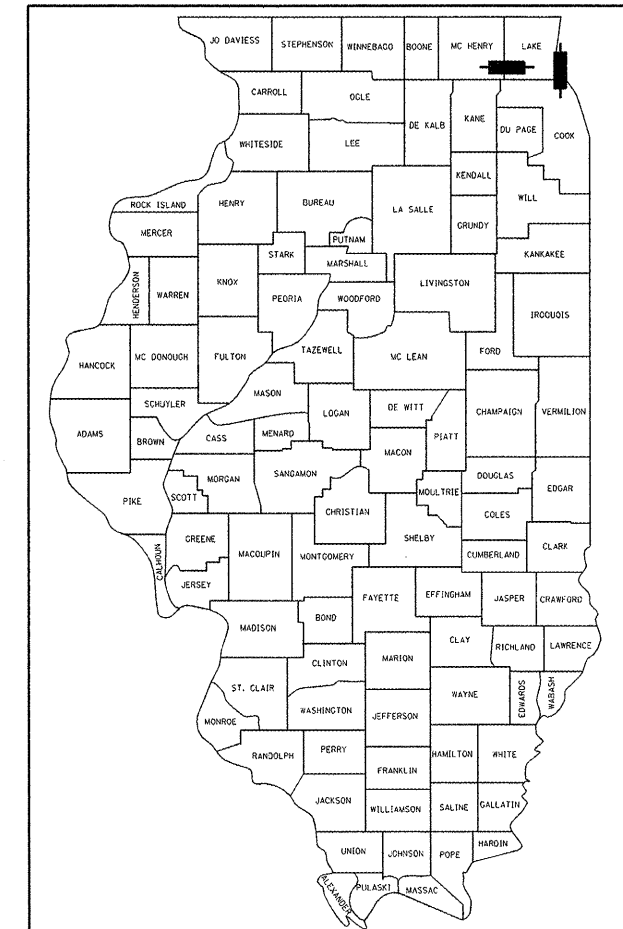
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

VARIOUS ROUTES  
SECTION: 2011-222-1  
VARIOUS LOCATIONS IN LAKE COUNTY  
SCOUR COUNTERMEASURES  
LAKE COUNTY  
C-91-225-12

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-222-1	LAKE	16	1
FED. ROAD DIST. NO 1		ILLINOIS	CONTRACT NO. 60R83	

D-91-225-12

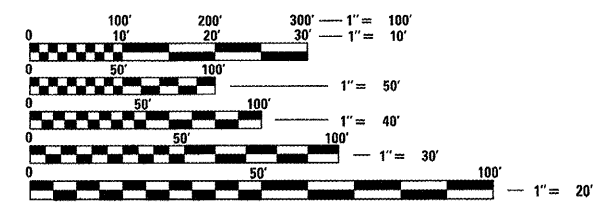


LOCATION OF SECTION INDICATED THUS: — ■ —

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

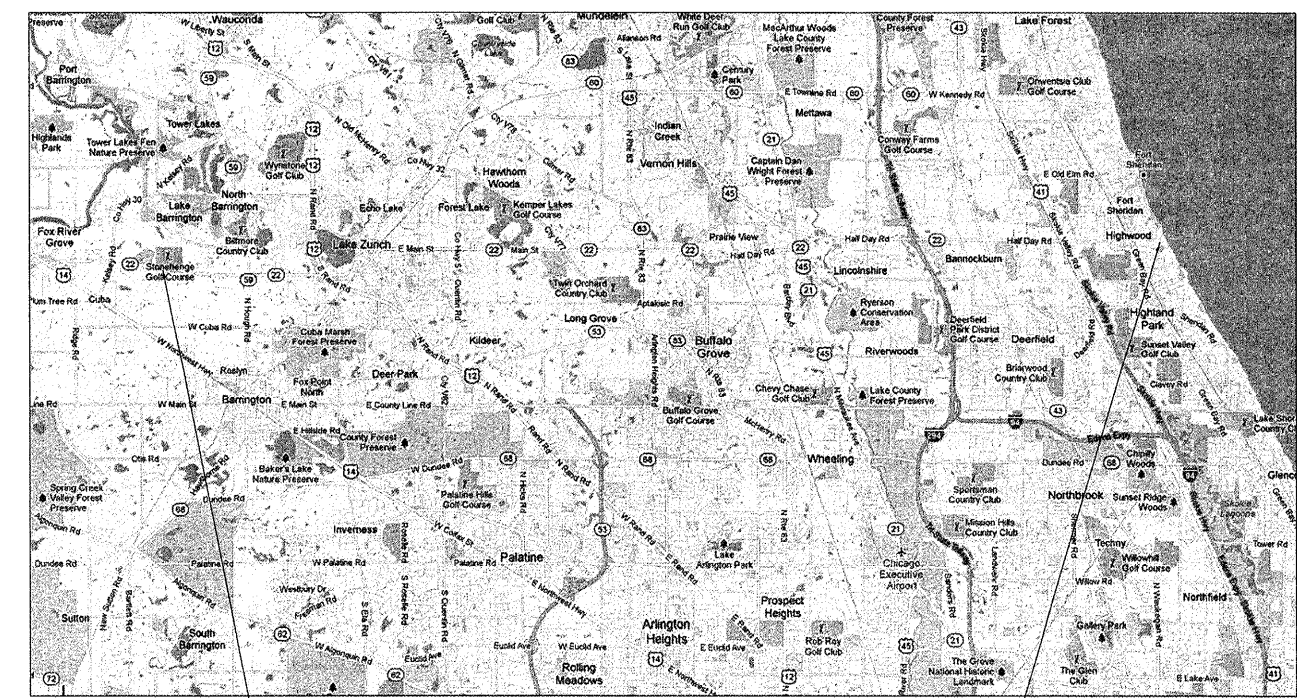
IMPROVEMENTS LOCATED IN THE  
VILLAGE OF LAKE BARRINGTON  
AND CITY OF HIGHLAND PARK

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. 049-0079, ILLINOIS ROUTE 22  
OVER FLINT CREEK

LOCATION 2: S.N. 049-0081, SHERIDAN ROAD  
OVER BOYINGTON RAVINE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED FEBRUARY 14, 2012  
Diana 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. Flynn  
acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROFESSIONAL ENGINEER'S SIGN & SEAL

Christopher M. Harpe  
EXPIRES: 11-30-13

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

CONTRACT NO. 60R83

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STATE STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
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12-16	DETAILS

LIST OF STATE STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
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 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 CONTRACTORS 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

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: JGuerri  
 CLIENT: HRGreen.com  
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PLOT DATE = 2/15/2012	CHECKED - T. HAMILTON	REVISED -
	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.
VAR.	2011-222-1	LAKE	16	2
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 60R83

8610018619-IL22-SHER-pen.dgn  
 8610018619-IL22-SHER-pen.dgn

SUMMARY OF QUANTITIES			URBAN	0014	
CODE NO.	ITEM	UNIT	100% STATE TOTAL QUANTITY	LOCATION 1 IL RTE 22 LAKE CO	LOCATION 2 SHERIDAN RD LAKE CO
28100107	STONE RIPRAP, CLASS A4	SQ YD	405	155	250
28200200	FILTER FABRIC	SQ YD	633	231	402
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	2	2
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.5	0.5
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1
X0301852	DEWATERING STRUCTURE NO. 1	EACH	1	1	
X0301853	DEWATERING STRUCTURE NO. 2	EACH	1		1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	128.5	51.4	77.1

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

**SUMMARY OF QUANTITIES**

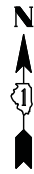
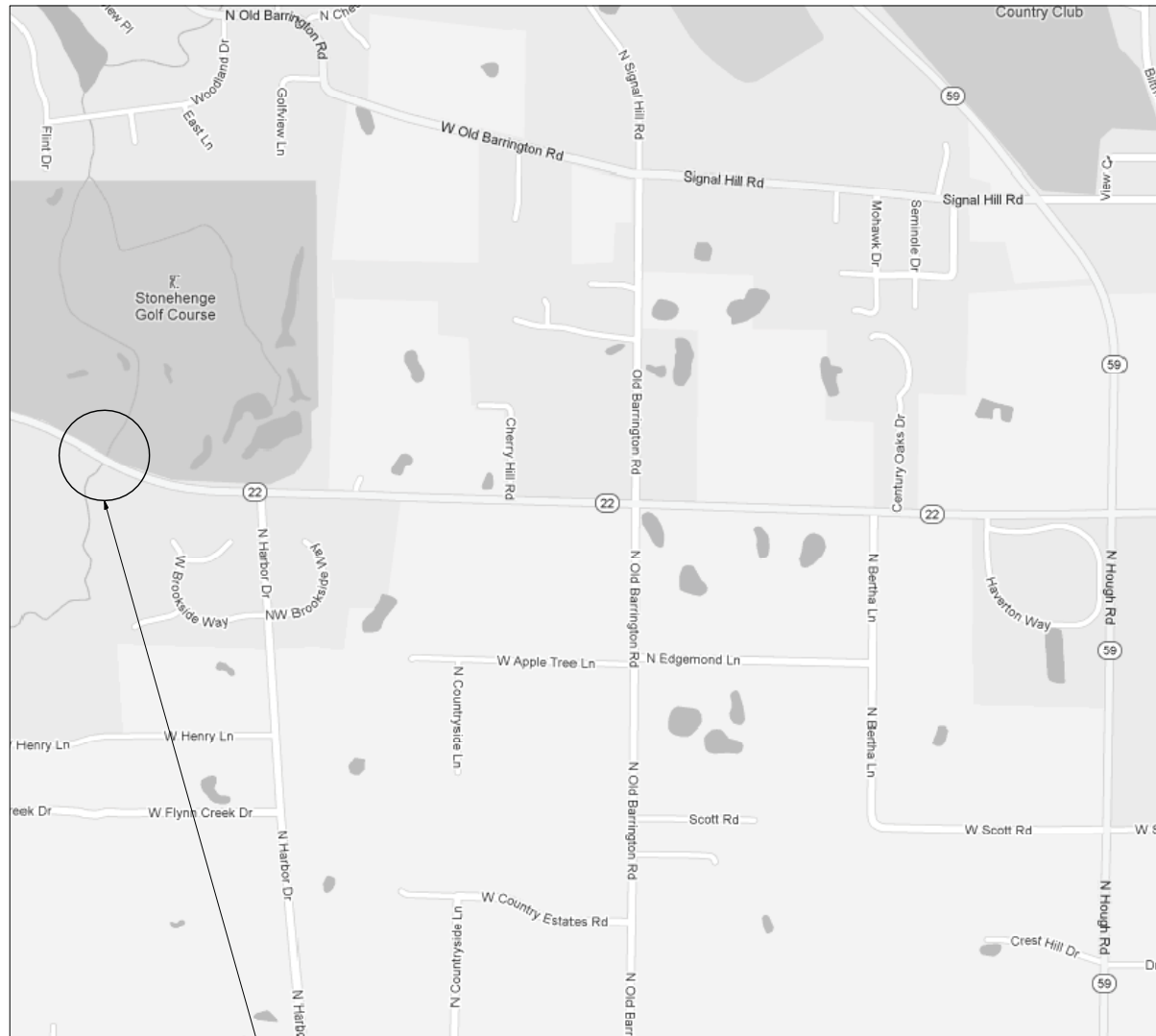
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-222-1	LAKE	16	3
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 608B3	

**TRAFFIC DATA**  
**SPEED LIMIT = 50 MPH**  
**2009 ADT = 11,500**

**R. 9 E.**

**T. 43 N.**

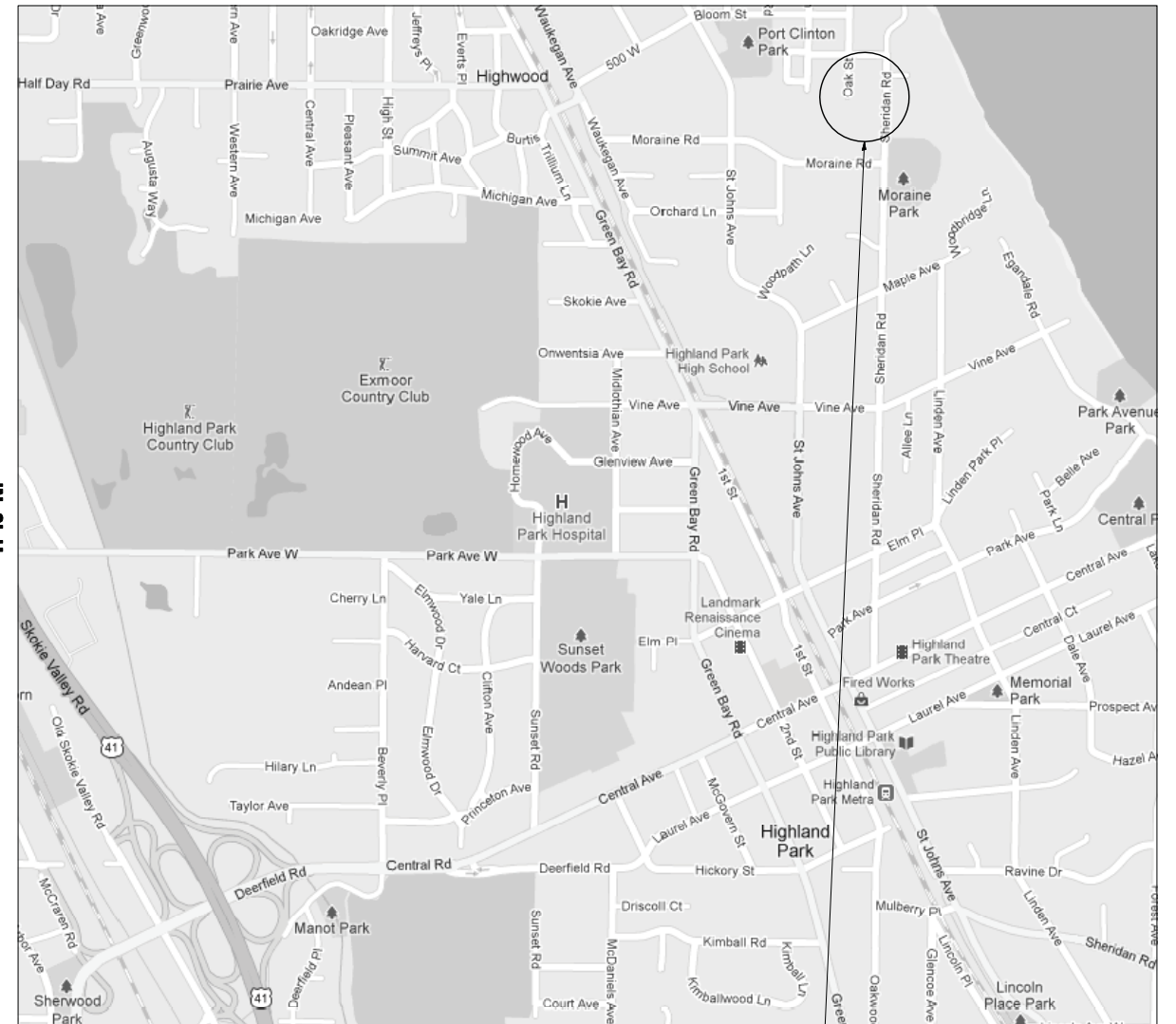


**LOCATION 1 - LAKE COUNTY**  
**STRUCTURE NUMBER: 049-0079**  
**ILLINOIS ROUTE 22 OVER FLINT CREEK**  
**LOCATED IN CUBA TOWNSHIP**  
**VILLAGE OF LAKE BARRINGTON**

**TRAFFIC DATA**  
**SPEED LIMIT = 30 MPH**  
**2007 ADT = 2,450**

**R. 12 E.**

**T. 43 N.**



**LOCATION 2 - LAKE COUNTY**  
**STRUCTURE NUMBER: 049-0081**  
**SHERIDAN ROAD OVER BOYINGTON RAVINE**  
**LOCATED IN DEERFIELD TOWNSHIP**  
**CITY OF HIGHLAND PARK**

COMPANY NAME: HRGreen  
 PROJECT CONTACT: S. PERNAL  
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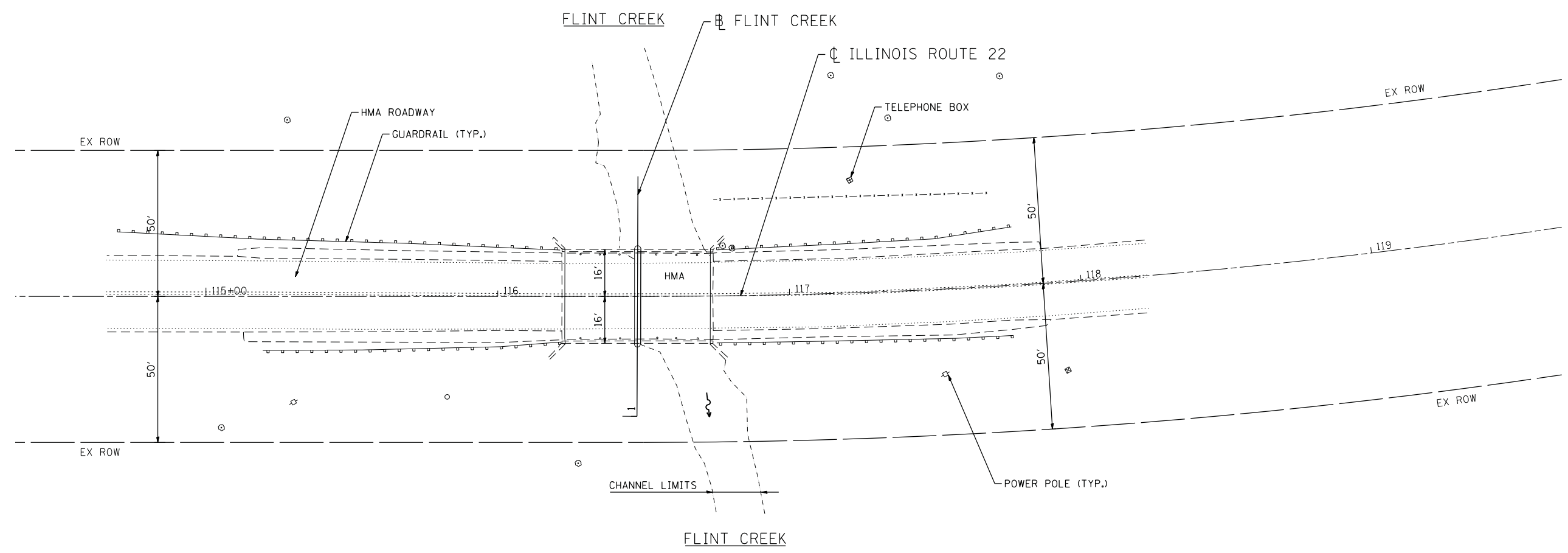
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	DATE - 2/14/12	REVISED -

**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.
VAR.	2011-222-1	LAKE	16	4
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 60R83	



COMPANY NAME: HRGreen  
 PROJECT CONTACT: JGuerrin  
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PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

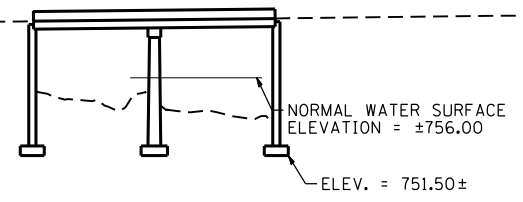
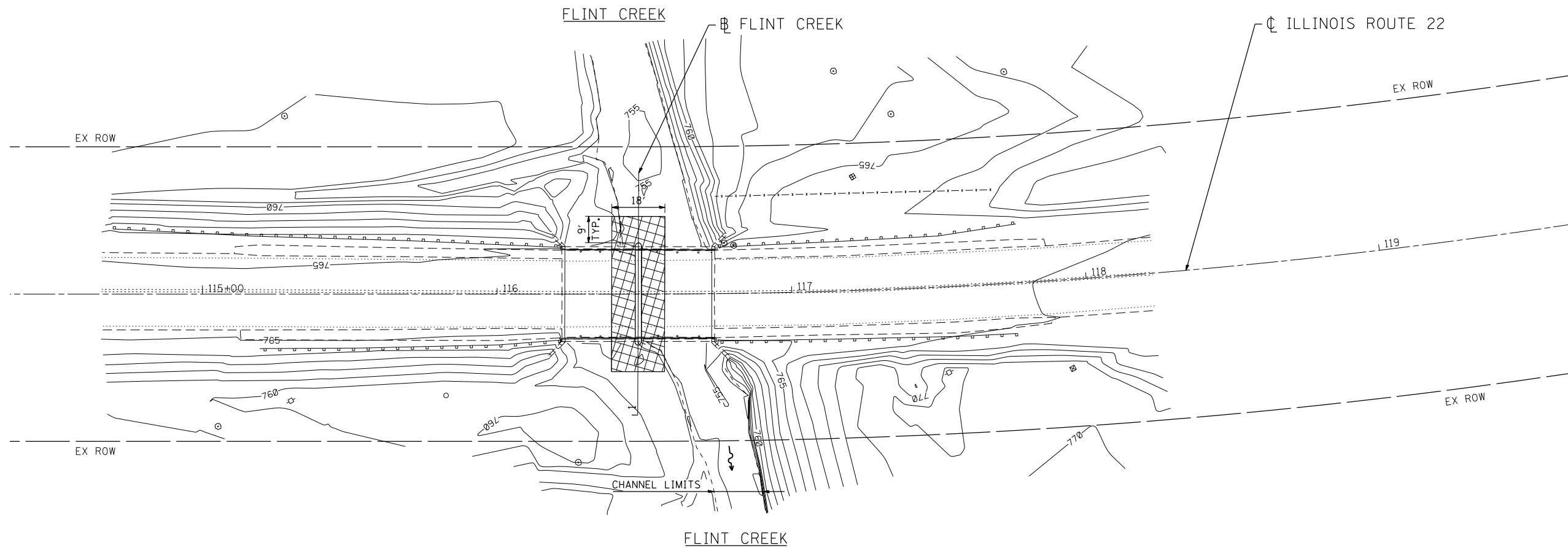
<b>SITE PLAN</b>	
<b>ILLINOIS ROUTE 22 OVER FLINT CREEK</b>	
SCALE: 1"=20'	SHEET NO. 1 OF 2 SHEETS
STA. 1110+00	TO STA. 1113+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-222-1	LAKE	16	5
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 60R83	

**LEGEND**

 STONE RIPRAP, CLASS A4 (3' THICK)

- BM 1: CHISELED SQUARE ON TOP OF THE NE WING WALL  
ELEV. = 765.31
- BM 2: NAIL IN NORTH FACE OF POWER POLE APPROXIMATELY  
150 WEST OF BRIDGE (OFF NB SHOULDER)  
ELEV. = 761.88



**BRIDGE ELEVATION**  
NOT TO SCALE

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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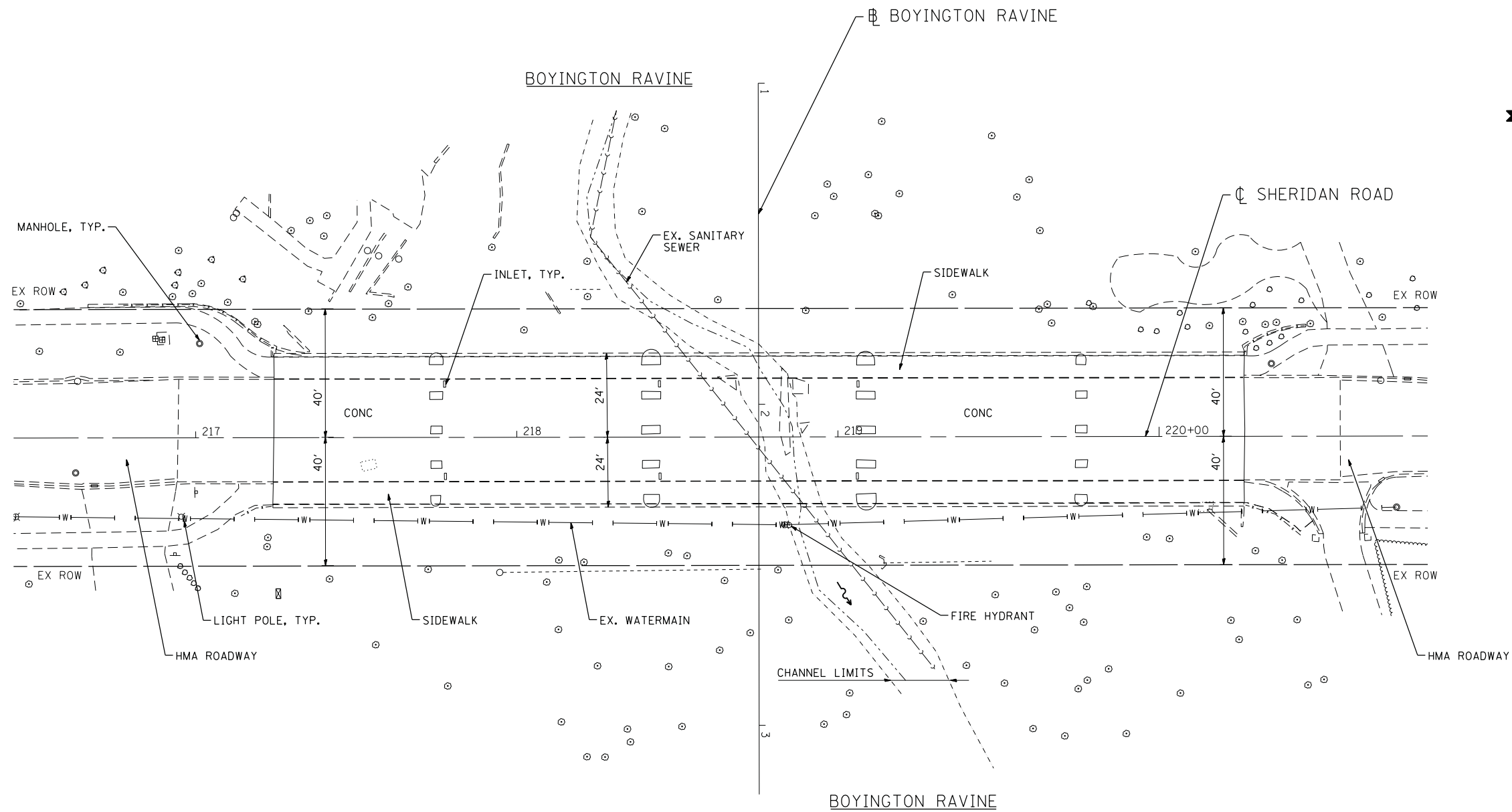
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
ILLINOIS ROUTE 22 OVER FLINT CREEK**

SCALE: 1"=20'    SHEET NO. 2 OF 2 SHEETS    STA. 1110+00 TO STA. 1113+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-222-1	LAKE	16	6
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 60R83





COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: S. PERNAL  
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	DRAWN - S. PERNAL	REVISED -
PLOT SCALE = 1"=20'	CHECKED - T. HAMILTON	REVISED -
PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SITE PLAN**  
**SHERIDAN ROAD OVER BOYINGTON RAVINE**

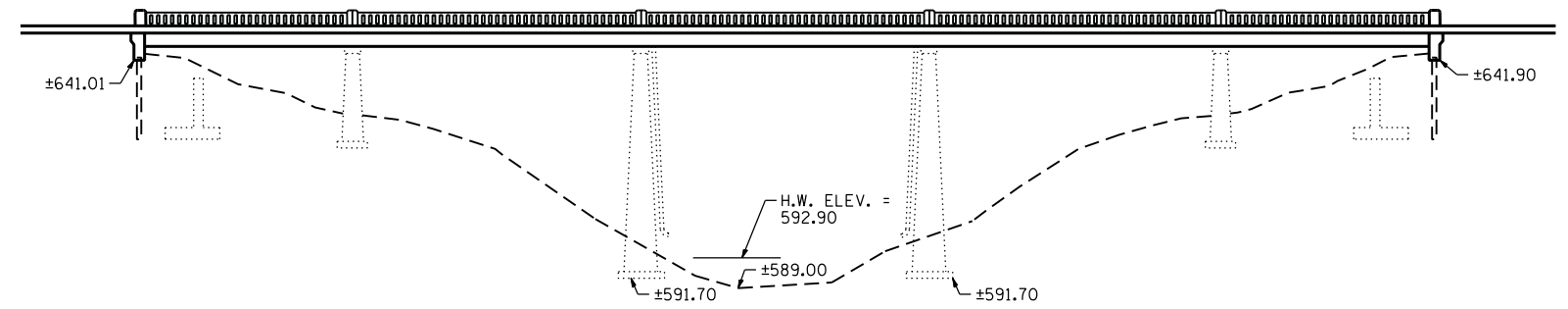
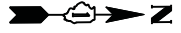
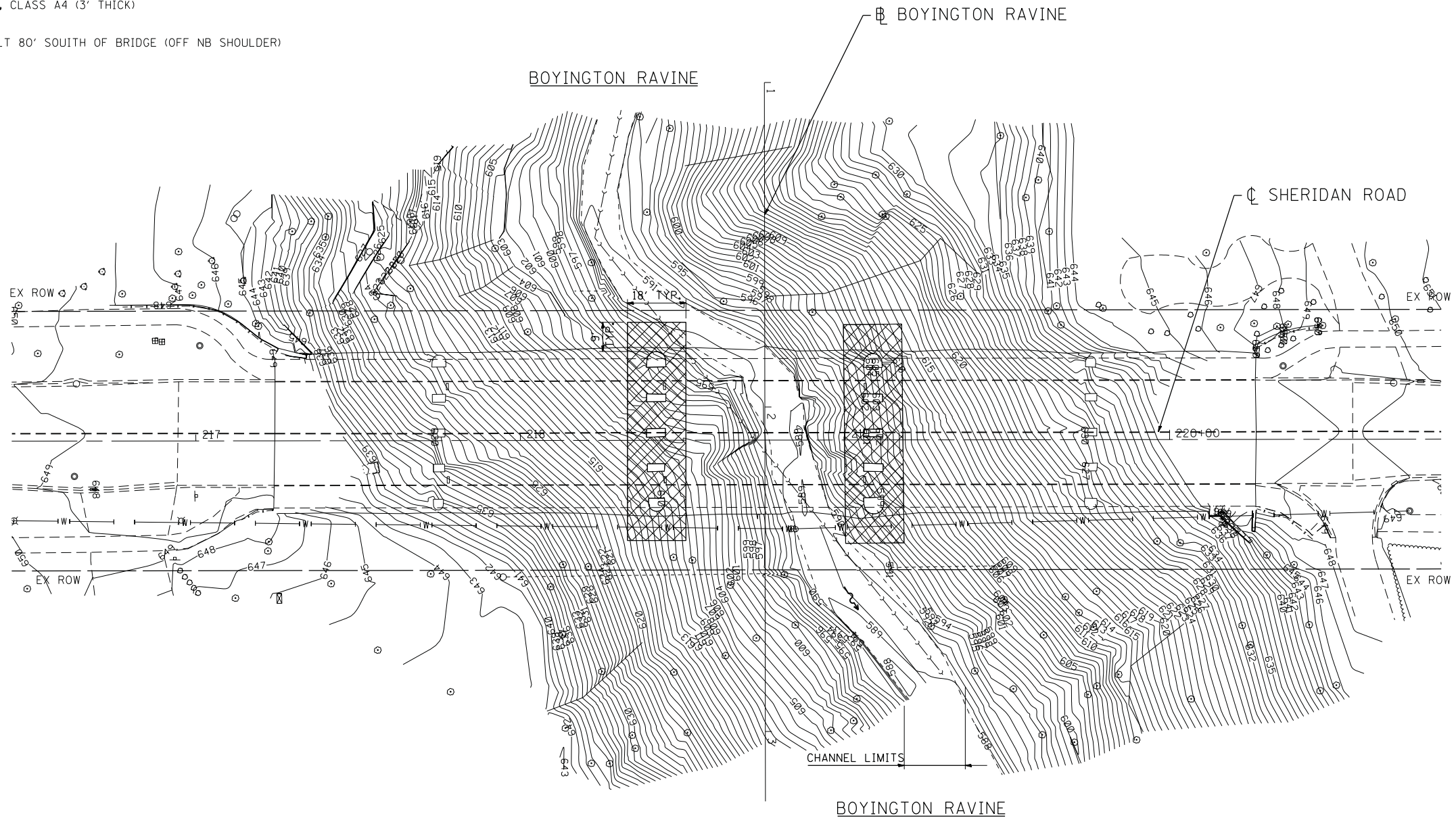
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-222-1	LAKE	16	7
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60R83	

**LEGEND**

 STONE RIPRAP, CLASS A4 (3' THICK)

BM 1: FIRE HYDRANT BOLT 80' SOUTH OF BRIDGE (OFF NB SHOULDER)  
ELEV. = 652.01



**BRIDGE ELEVATION**  
NOT TO SCALE

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: SHERIDAN ROAD  
DATE PLOTTED: 2/15/2012 5:28:01 PM  
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PLOT SCALE = 1"=20'	CHECKED - T. HAMILTON	REVISED -
PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION AND SEDIMENT CONTROL PLAN  
SHERIDAN ROAD OVER BOYINGTON RAVINE**

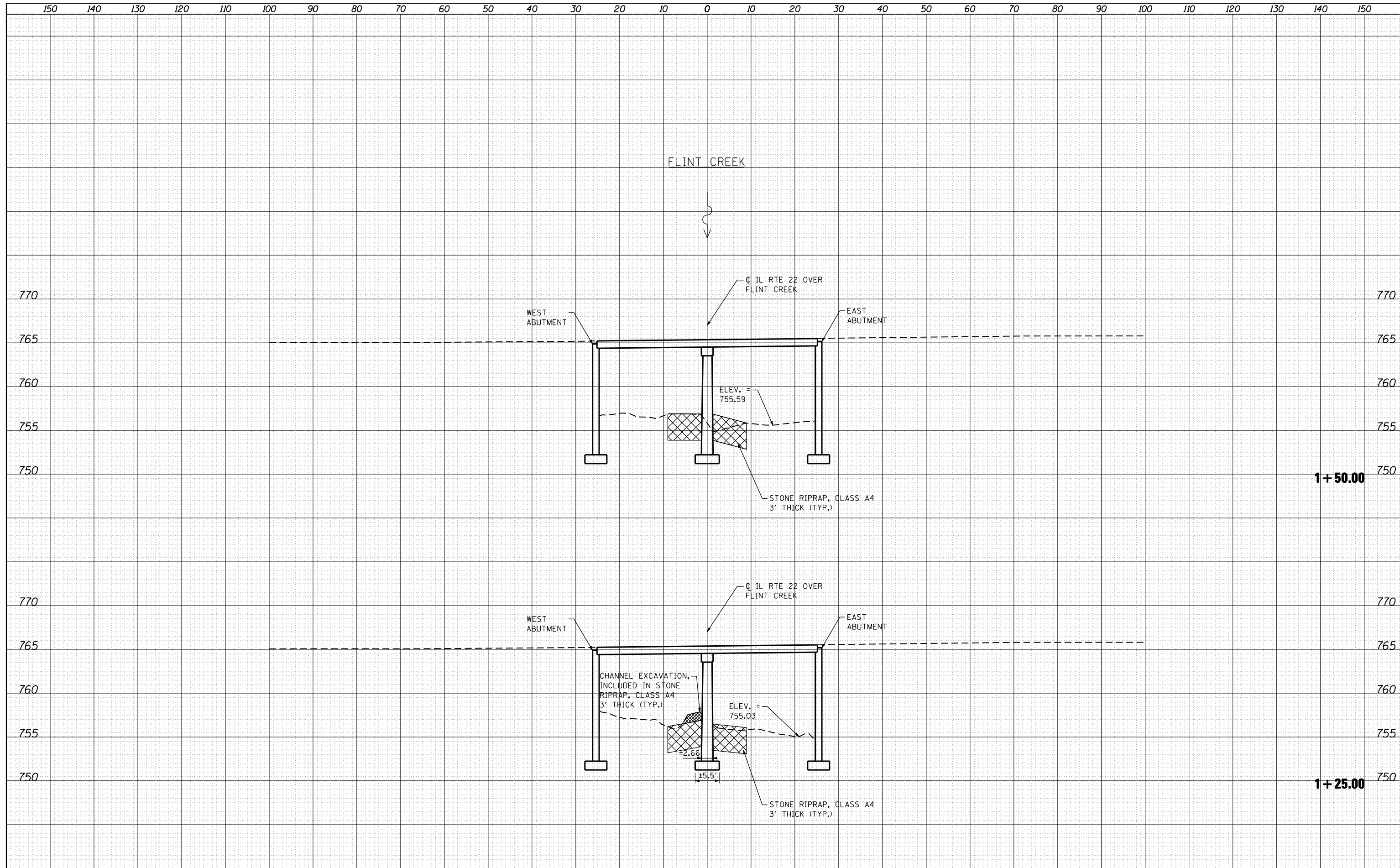
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-222-1	LAKE	16	8
CONTRACT NO. 60R83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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

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



USER NAME = JGuerr	DESIGNED C. HARTKE	REVISED
	DRAWN S. PERNAL	REVISED
PLOT SCALE = 1:10H, 1:5V	CHECKED T. HAMILTON	REVISED
PLOT DATE = 2/15/2012	DATE 2/15/12	REVISED

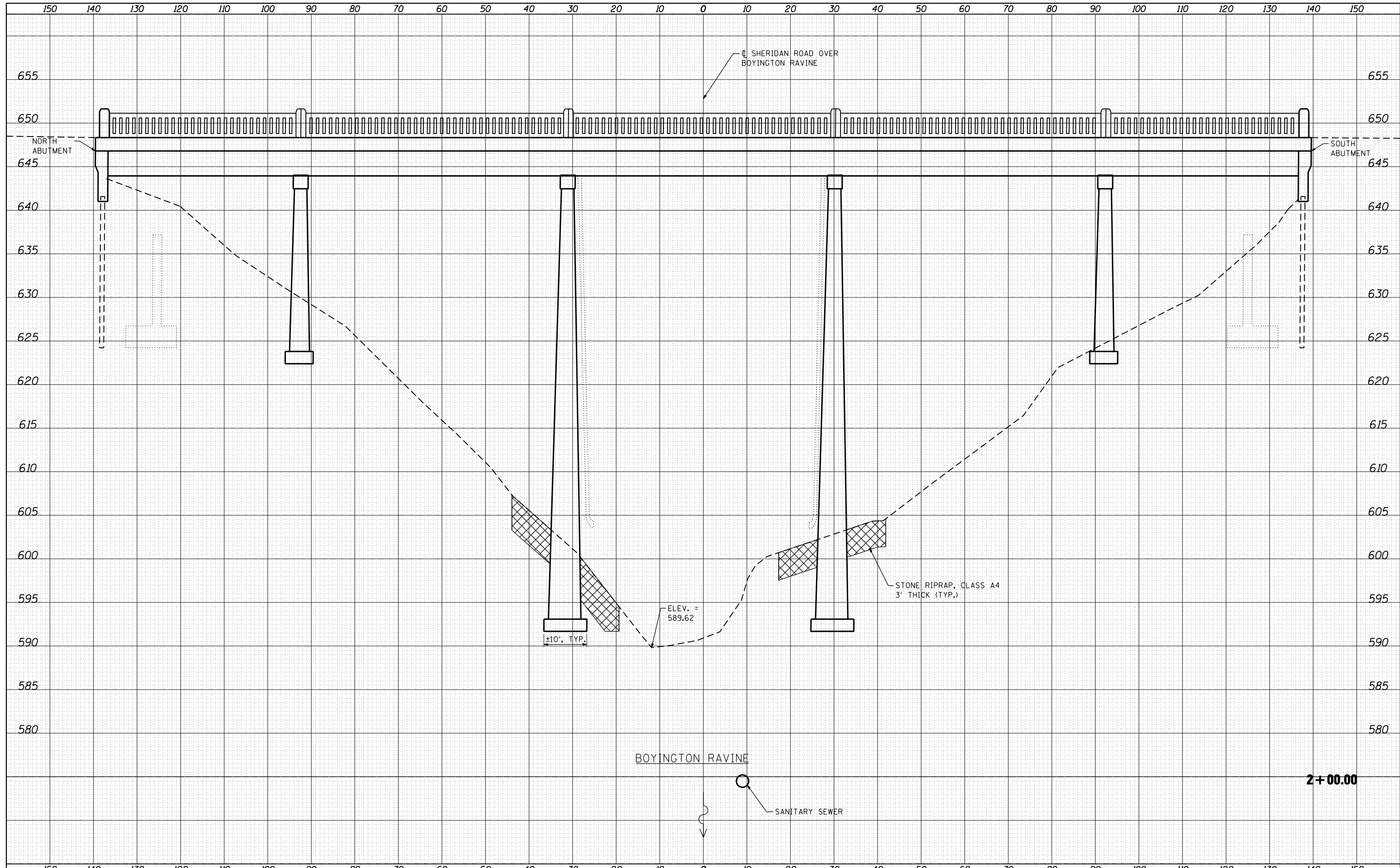
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS ILLINOIS ROUTE 22 OVER FLINT CREEK</b>			
SCALE: 1:10H, 1:5V	SHEET NO. 1 OF 3 SHEETS	STA. 1+25.00	TO STA. 1+70.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-222-1	LAKE	16	9
		CONTRACT NO.	60R83	
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 = JGuerr	DESIGNED C. HARTKE	REVISED
	DRAWN S. PERNAL	REVISED
PLOT SCALE = 1:10H, 1:5V	CHECKED T. HAMILTON	REVISED
PLOT DATE = 2/15/2012	DATE 2/15/12	REVISED

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 SHERIDAN ROAD OVER BOYINGTON RAVINE**

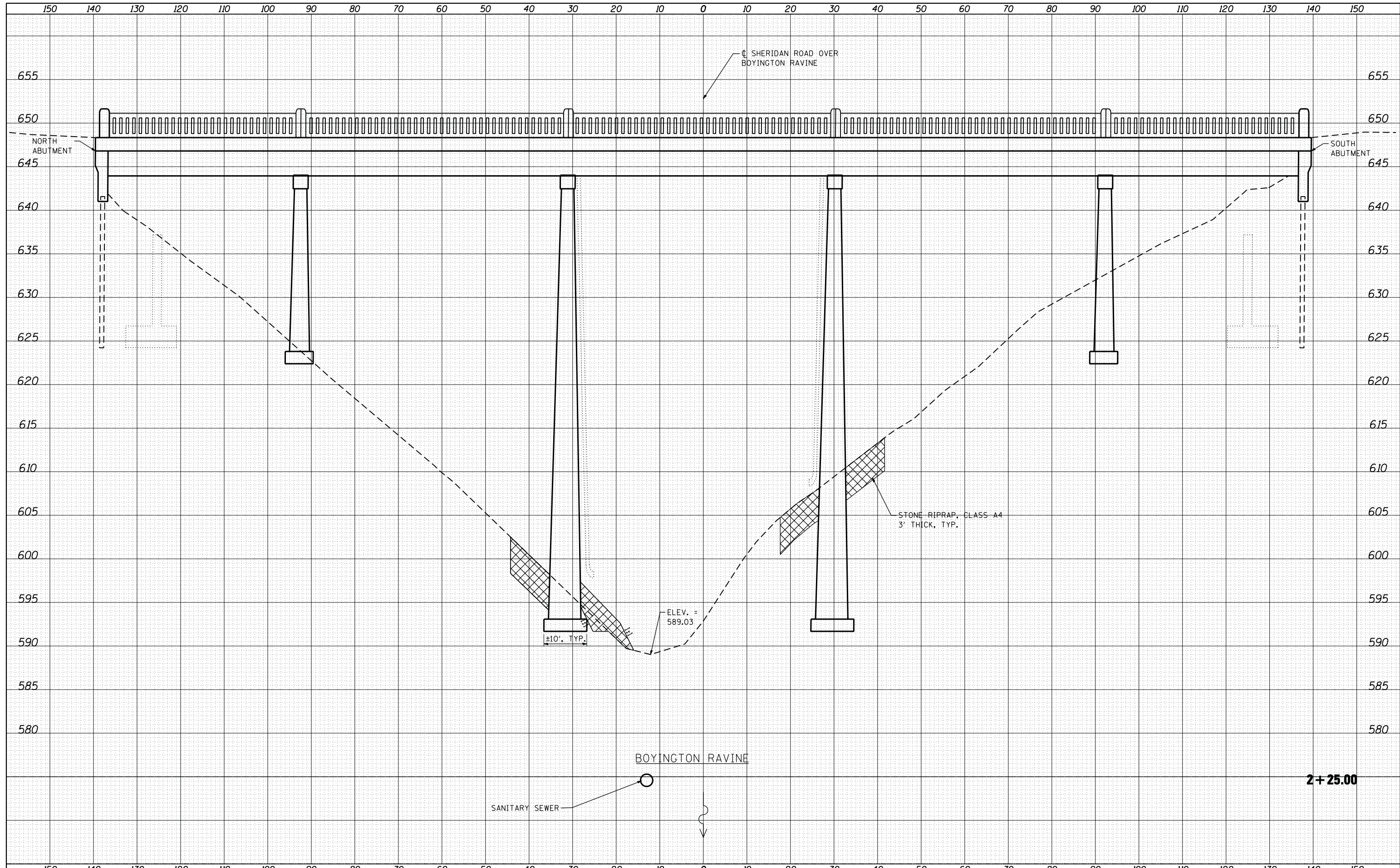
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-222-1	LAKE	16	10
CONTRACT NO. 60R83			ILLINOIS FED. AID PROJECT	



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

DATE	
BY	
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TEMPLATE	
AREAS	
CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	



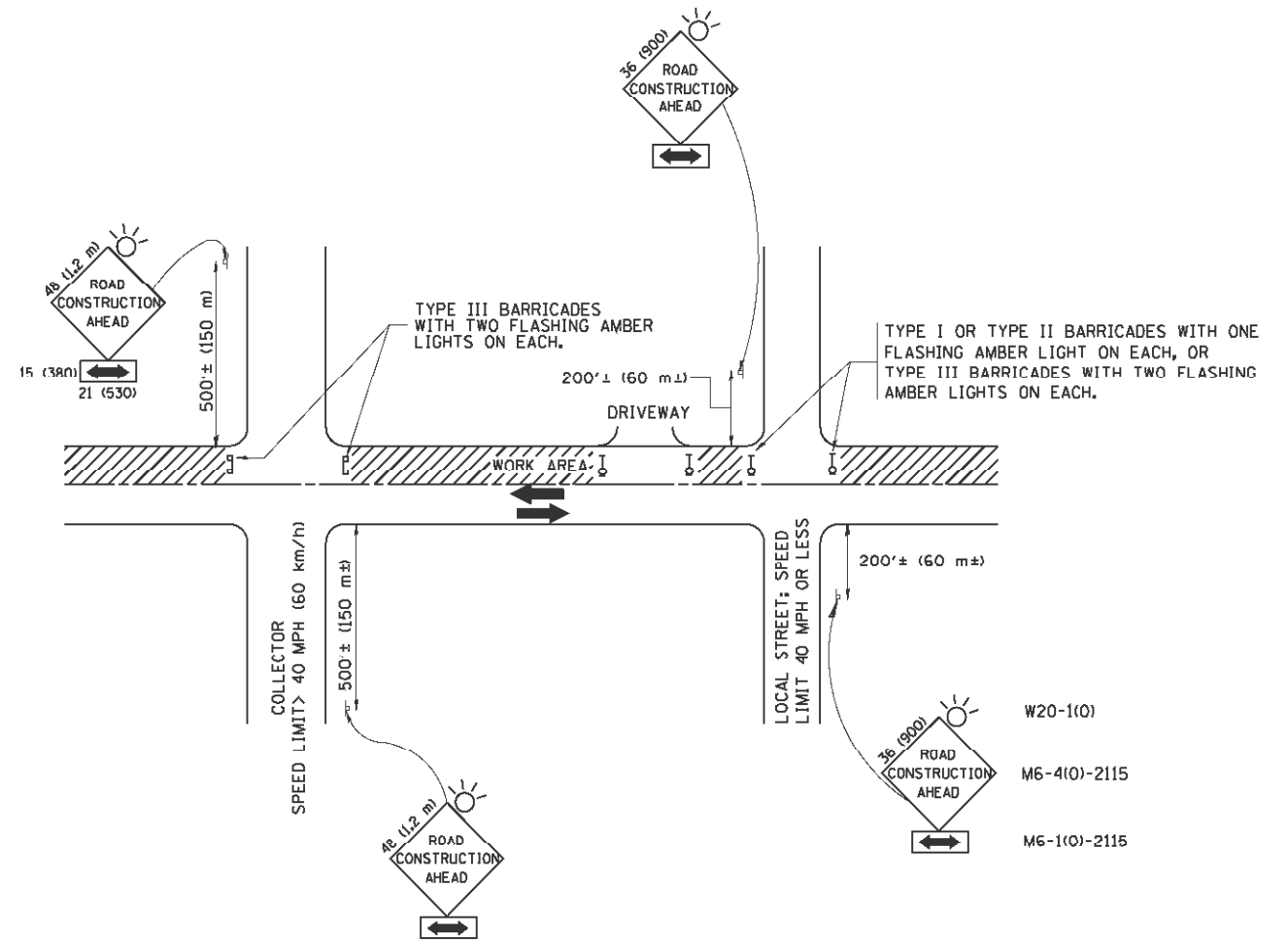
**HRGreen.com**  
 Illinois Professional Design Firm  
 #184-001322

USER NAME = JGuerr	DESIGNED C. HARTKE	REVISED
	DRAWN S. PERNAL	REVISED
PLOT SCALE = 1:10H, 1:5V	CHECKED T. HAMILTON	REVISED
PLOT DATE = 2/15/2012	DATE 2/15/12	REVISED

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS    SHERIDAN ROAD OVER BOYINGTON RAVINE</b>			
SCALE: 1:10H, 1:5V	SHEET NO. 3 OF 3 SHEETS	STA. 1+25.00	TO STA. 1+70.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-222-1	LAKE	16	11
		CONTRACT NO.	60R83	
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. 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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 FILE NAME: 86100196.19-dt-01.dgn  
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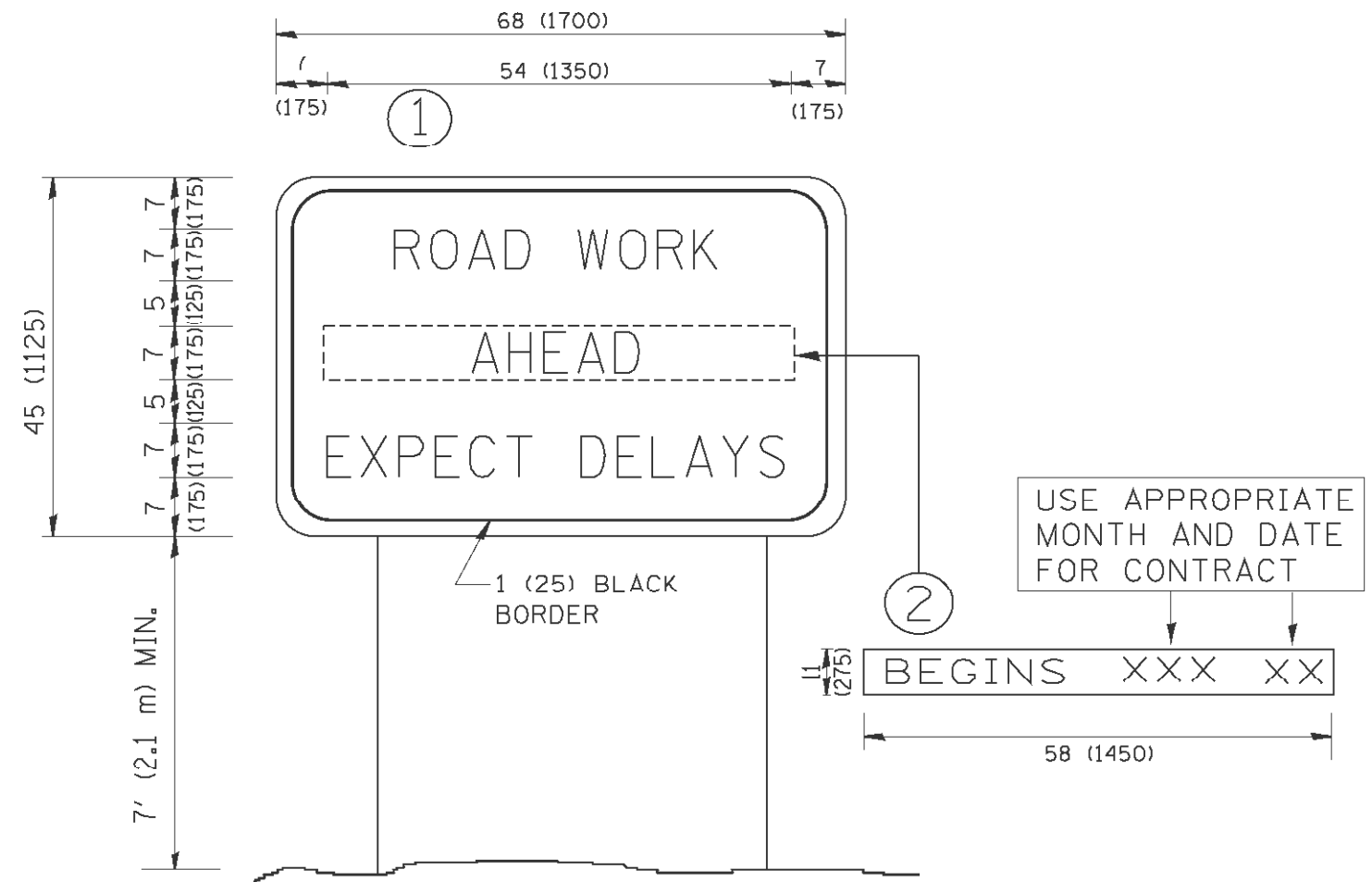
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PLOT SCALE = 50.000' / 1"	DRAWN -	REVISED - A. HOUSEH 03-06-96
PLOT DATE = 1/4/2008	CHECKED -	REVISED - A. HOUSEH 10-15-96
	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

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.
VAR.	2011-222-1	LAKE	16	12
TC-10			CONTRACT NO. 60R83	
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: HRGreen.com  
 PROJECT CONTACT: #PROJECT\_CONTACT  
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PLOT SCALE = 50.000' / 1"	DRAWN -	REVISED - R. MIRS 12-11-97
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**

<b>ARTERIAL ROAD INFORMATION SIGN</b>	
SCALE: NONE	SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-222-1	LAKE	16	13
TC-22		CONTRACT NO.	60R83	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



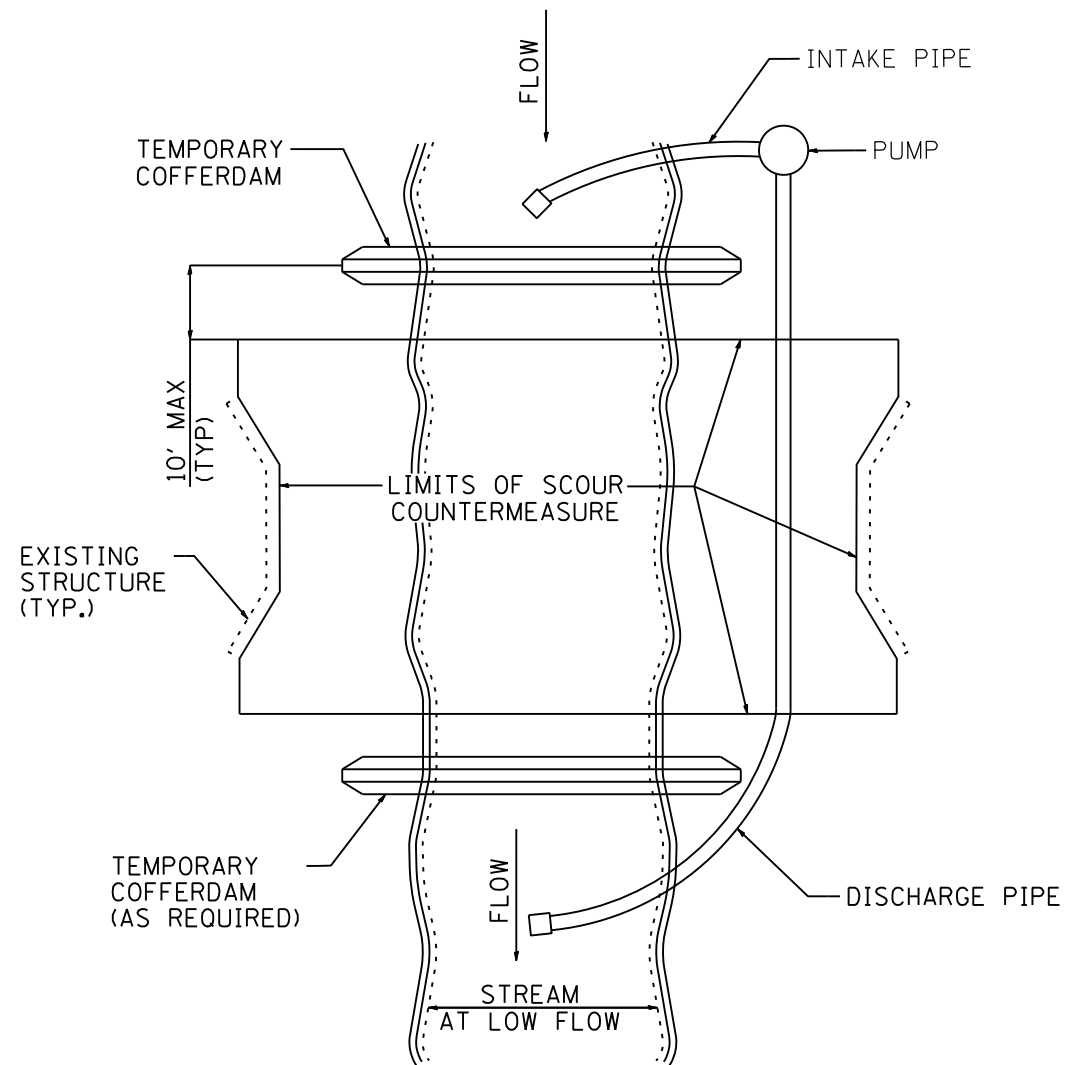


FIGURE D1. TEMPORARY COFFERDAM WITH PUMP BYPASS

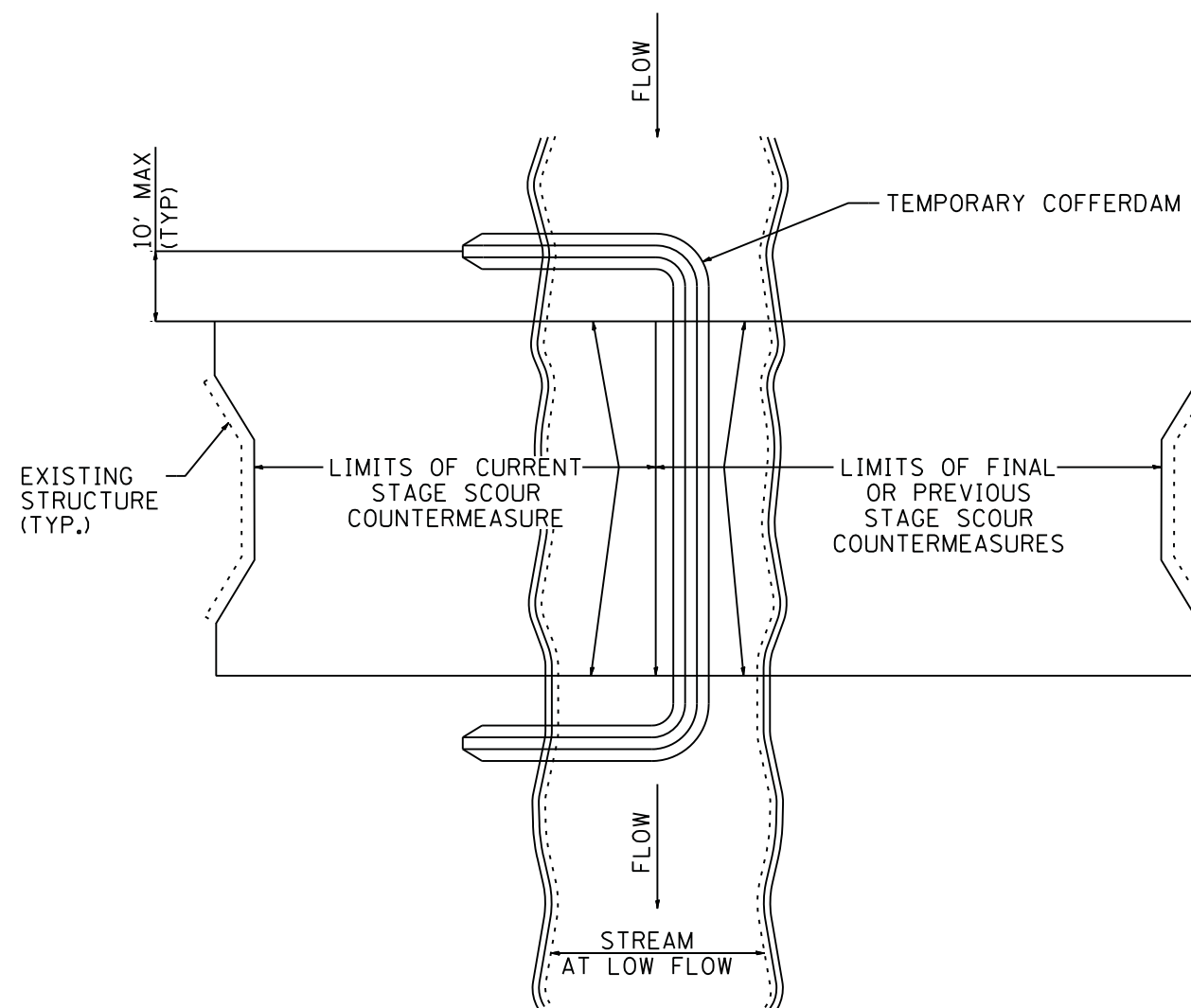


FIGURE D2. STAGED IN-STREAM COFFERDAM DIVISION

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

COMPANY NAME: HRGreen.com  
 PROJECT CONTACT: JGuerrero  
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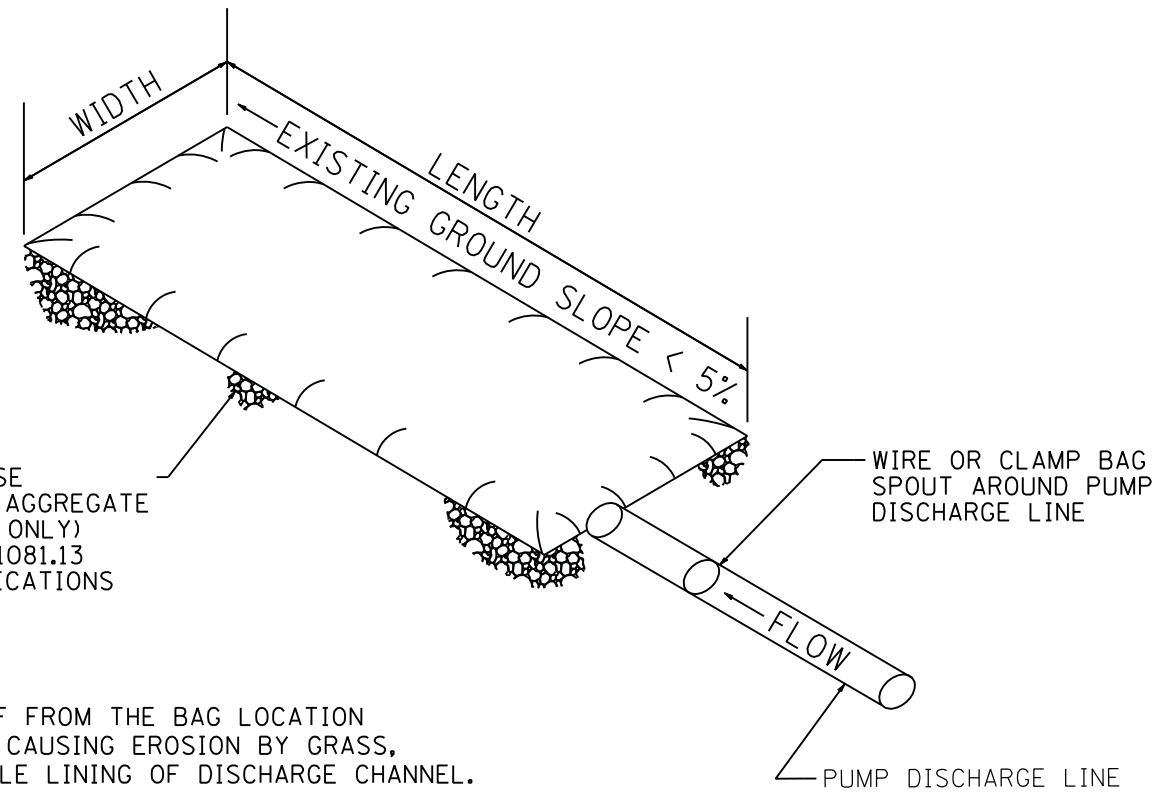
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PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DEWATERING SYSTEM DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-222-1	LAKE	16	14
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60R83	



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: HRGreen  
 PROJECT CONTACT: #PROJECT\_CONTACT1  
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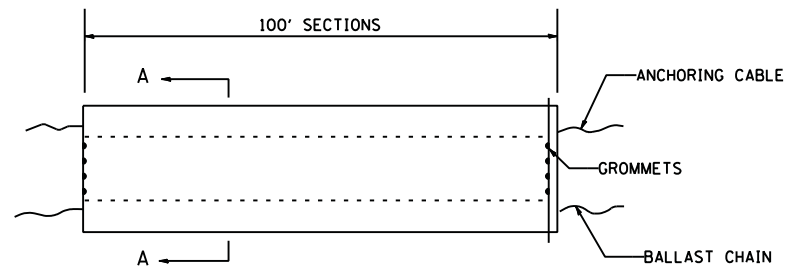
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	DRAWN -	REVISED -
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PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

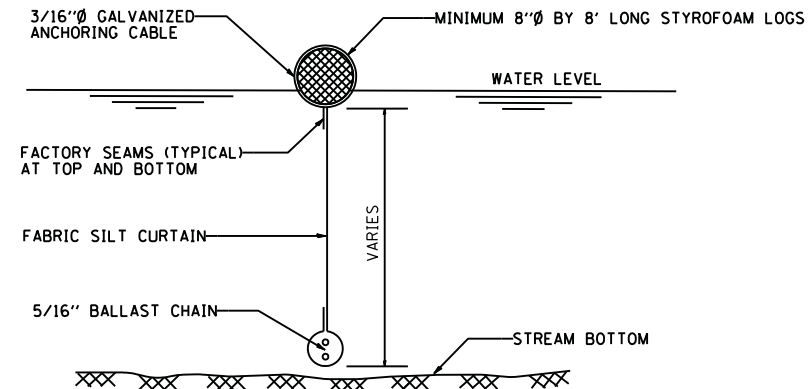
DEWATERING SYSTEM DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-222-1	LAKE	16	15
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 60R83



ELEVATION



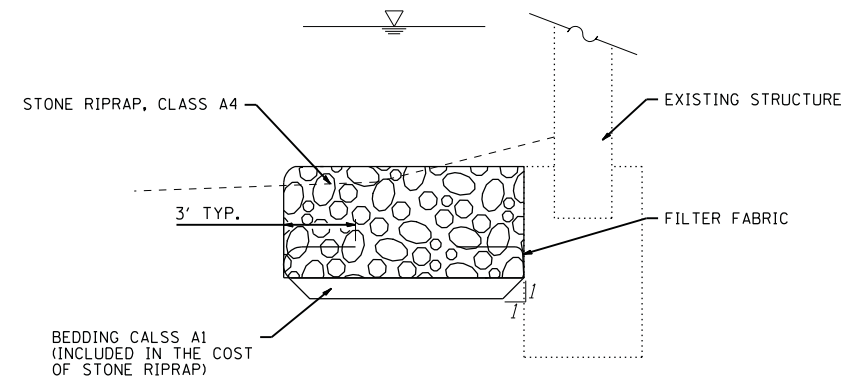
SECTION A-A

FLOTATION BOOM

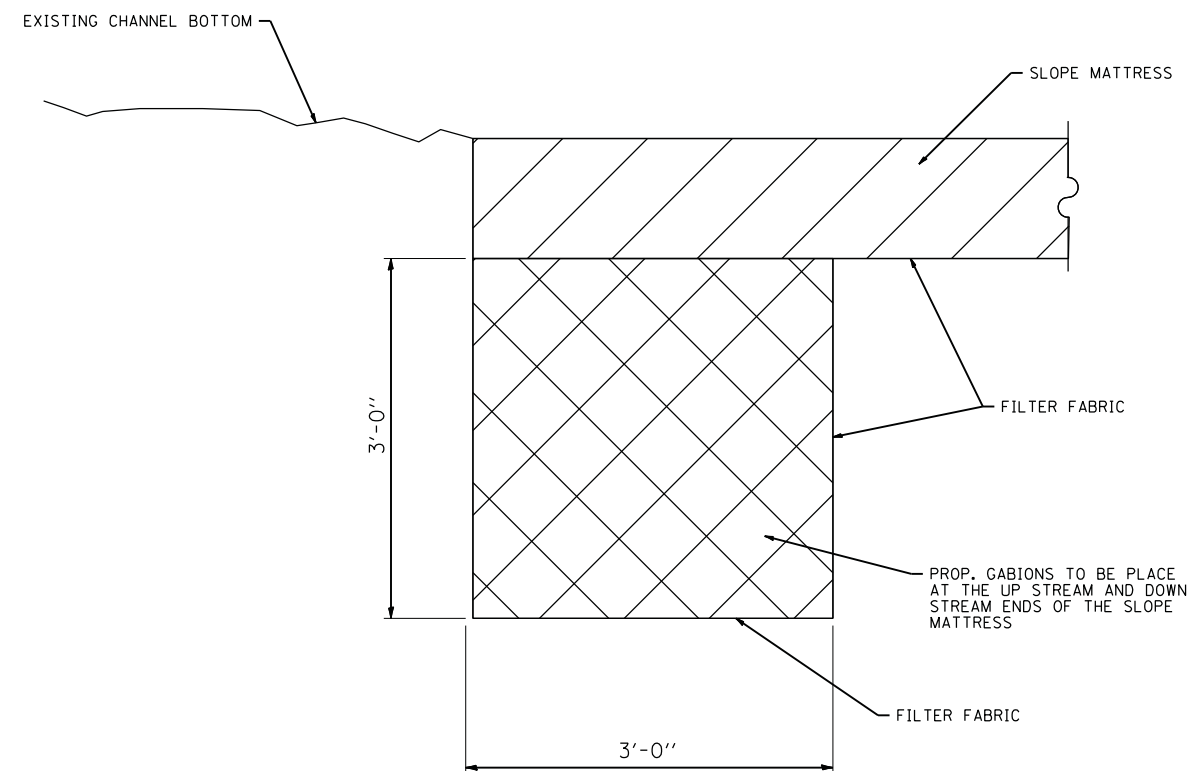
**NOTES:**

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: HRGreen.com  
 PROJECT CONTACT: Illinois Professional Design Firm  
 DATE PLOTTED: 2/15/2012 5:28:35 PM  
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	DRAWN -	REVISED -
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PLOT DATE = 2/15/2012	DATE - 2/15/12	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2011-222-1	LAKE	16	16
CONTRACT NO. 60R83				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				