

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PROPOSED
 HIGHWAY PLANS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DUPAGE	31	1
* VARIOUS ROUTES ILLINOIS		CONTRACT NO. 60T52		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA:

FOSTER AVENUE
 EXISTING ADT = 19,900
 SPEED LIMIT = 30 MPH

I-290
 EXISTING ADT = 233,300
 SPEED LIMIT = 55 MPH

IL 171
 EXISTING ADT = 27,600
 SPEED LIMIT = 35 MPH

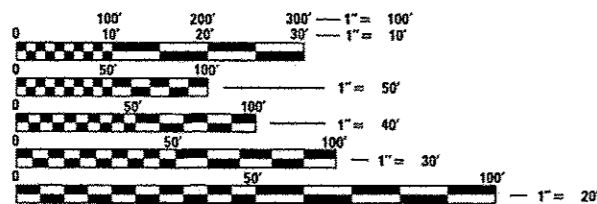
SHERMER ROAD
 EXISTING ADT = 12,500
 SPEED LIMIT = 30 MPH

PALATINE ROAD
 EXISTING ADT = 11,300
 SPEED LIMIT = 40 MPH

IL 72
 EXISTING ADT = 25,500
 SPEED LIMIT = 40 MPH

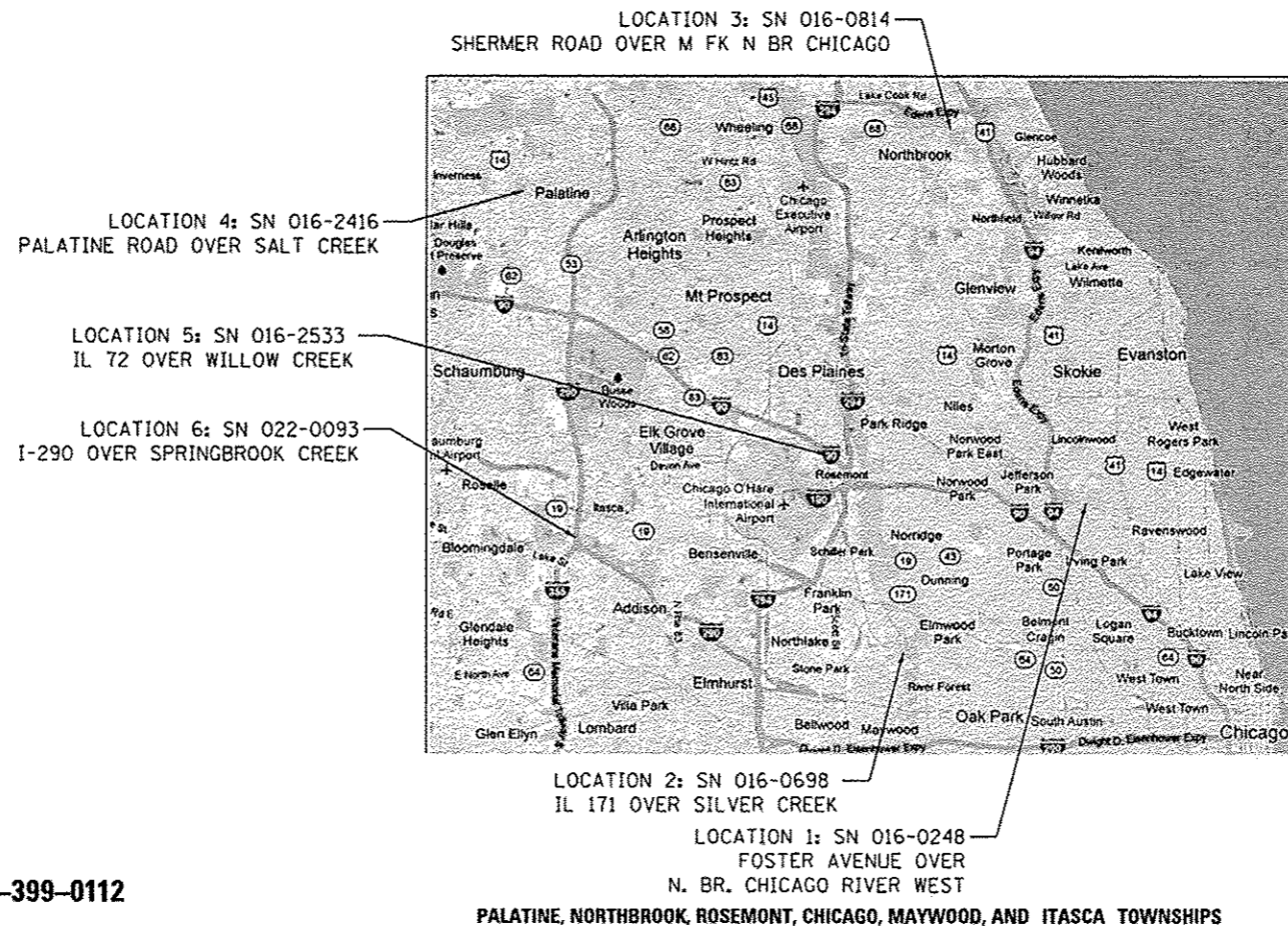
THIS PROJECT IS LOCATED IN THE VILLAGES OF ITASCA, NORTHBROOK, PALATINE, MAYWOOD, AND ROSEMONT AND IN THE CITY OF CHICAGO

**VARIOUS ROUTES
 SECTION 2012-006 I
 AT VARIOUS COOK & DuPAGE COUNTY LOCATIONS
 RIP RAP IMPROVEMENTS
 COOK & DuPAGE COUNTY
 C-91-369-12**



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: PETER JOHNSTON (GRAEF) 773-399-0112
 PROJECT MANAGER: KEN ENG (IDOT) 847-705-4247

CONTRACT NO. 60T52

PALATINE, NORTHBROOK, ROSEMONT, CHICAGO, MAYWOOD, AND ITASCA TOWNSHIPS

PROFESSIONAL ENGINEER'S SIGN & SEAL

Peter M. Johnston

062-041641
 REGISTERED
 PROFESSIONAL
 ENGINEER
 OF
 ILLINOIS

EXPIRES: 11-30-13

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED: March 15, 2013

John F. Williams
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 10, 2013
John D. Baranzelli PE
 ENGINEER OF DESIGN AND ENVIRONMENT

May 10, 2013
Omer Osman PE
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

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8	SN 016-0248 FOSTER AVENUE AT NORTH BRANCH CHICAGO RIVER - EROSION PLAN
9	SN 016-0248 FOSTER AVENUE AT NORTH BRANCH CHICAGO RIVER - CROSS SECTIONS
10	SN 016-0698 IL 171 AT SILVER CREEK - SITE PLAN
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13	SN 016-0814 SHERMER ROAD AT M FK N BR CHICAGO - SITE PLAN
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22	SN 022-0093 I-290 AT SPRINGBROOK CREEK - SITE PLAN
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31	ARTERIAL ROAD INFORMATION SIGNING (TC22)

HIGHWAY STANDARDS

STD. NO.	TITLE
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-04	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-03	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS • 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701406-07	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701601-08	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701901-02	TRAFFIC CONTROL DEVICES

GENERAL NOTES

- 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).
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- ALL PERMITS AND FEES NEEDED TO OBTAIN ACCESS TO VARIOUS LOCATIONS FROM VILLAGE LAND OR FOREST PRESERVE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND INCIDENTAL TO THE COST OF THE STONE RIPRAP.
- 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.
- DEBRIS REMOVAL, IF ENCOUNTERED, SHALL BE INCLUDED IN THE COST OF THE STONE RIPRAP.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS & CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION ORDERING OF MATERIAL.
- 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.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK ON I-290.
- 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 SEPARATELY, BUT THE COSTS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ANY BRUSH AND TREE REMOVAL TO GET ACCESS SHOULD BE INCIDENTAL TO THE COST OF THE STONE RIPRAP.
- THE CONTRACTOR IS ADVISED TO AVOID OR MINIMIZE ANY DISTURBANCE TO EXISTING VEGETATION OUTSIDE THE LIMITS OF RIPRAP PLACEMENT AND CHANNEL EXCAVATION.
- THE CONTRACTOR MUST PROTECT PAVEMENT WHEN DUMPING RIPRAP ONTO PAVEMENT AND WILL BE RESPONSIBLE FOR RESTORING PAVEMENT MARKINGS.
- ANY GUARDRAIL OR SIGNS DAMAGED BY THE CONTRACTORS OPERATIONS SHALL BE REPLACED IN KIND AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE CONTRACTOR SHALL COMPLETE ALL WORK OVER THE SIDE OF THE BRIDGE USING DAYTIME LANE CLOSURES ONLY. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED WHEN THE CONTRACTOR IS NOT WORKING.
- THE CONTRACTOR SHALL SUBMIT DEWATERING AND SEDIMENT CONTROL PLANS FOR EACH SITE TO THE ENGINEER FOR APPROVAL.
- THE CONTRACTOR SHALL CONTACT THE ENGINEER AFTER DEWATERING FOR FINAL RIPRAP PLACEMENT.
- UNLESS OTHERWISE NOTED, EXCAVATION OF MATERIAL REQUIRED TO INSTALL STONE RIPRAP SHALL BE INCLUDED IN THE ITEM BEING INSTALLED.
- THERE WILL BE NO PERMANENT OR OVERNIGHT LANE CLOSURES WILL BE ALLOWED ON ARTERIAL ROUTES FOR THIS CONTRACT.
- THIS PROJECT REQUIRES A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT THAT WILL BE SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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PAY ITEM NUMBER	DESCRIPTION	UNIT	URBAN 100% STATE TOTAL QUANTITY	0014					
				LOCATION 1 FOSTER AVENUE COOK CO	LOCATION 2 IL 171 COOK CO	LOCATION 3 SHERMER ROAD COOK CO	LOCATION 4 PALATINE ROAD COOK CO	LOCATION 5 IL 72 COOK CO	LOCATION 6 I-290 DuPAGE CO
20300100	CHANNEL EXCAVATION	CU YD	80		80				
28100207	STONE RIPRAP, CLASS A4	TON	536	90	70	26	54	88	208
28200200	FILTER FABRIC	SQ YD	272	138	32	18	45	10	29
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	1	1	1	1	1	1
67100100	MOBILIZATION	L SUM	1	0.17	0.17	0.16	0.17	0.17	0.16
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1			0.5	0.5		
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1		1				
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	0.5				0.5	
X0301852	DEWATERING STRUCTURE NO. 1	EACH	1	1					
X0301853	DEWATERING STRUCTURE NO. 2	EACH	1		1				
X0301854	DEWATERING STRUCTURE NO. 3	EACH	1			1			
X0301855	DEWATERING STRUCTURE NO. 4	EACH	1				1		
X0301856	DEWATERING STRUCTURE NO. 5	EACH	1					1	
X0301857	DEWATERING STRUCTURE NO. 6	EACH	1						1
X6640304	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	50						50
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1						1
20030850	TEMPORARY INFORMATION SIGNING	SO FT	255	51	51	51	51	51	

16
17 • DENOTES SPECIALTY ITEM

3:13:38 PM
3/8/2013

GR&EF
8501 N. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

USER NAME + 1485	DESIGNED -	REVISED -
PLOT SCALE + 40,0000 1/4" = 1'	DRAWN -	REVISED -
PLOT DATE + 3/8/2013	CHECKED -	REVISED -
	DATE - 03/20/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SUMMARY OF QUANTITIES

SCALE: 1"=20' SHEET 1 OF 1 SHEETS STA. TO STA.

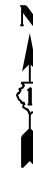
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2012-006 I	COOK/DuPAGE	31	3
• VARIOUS ROUTES			CONTRACT NO. 60T52	

ILLINOIS FED. AID PROJECT

Rev

TRAFFIC DATA
 EXISTING ADT = 19,900
 SPEED LIMIT = 30 MPH

R. 13 E.

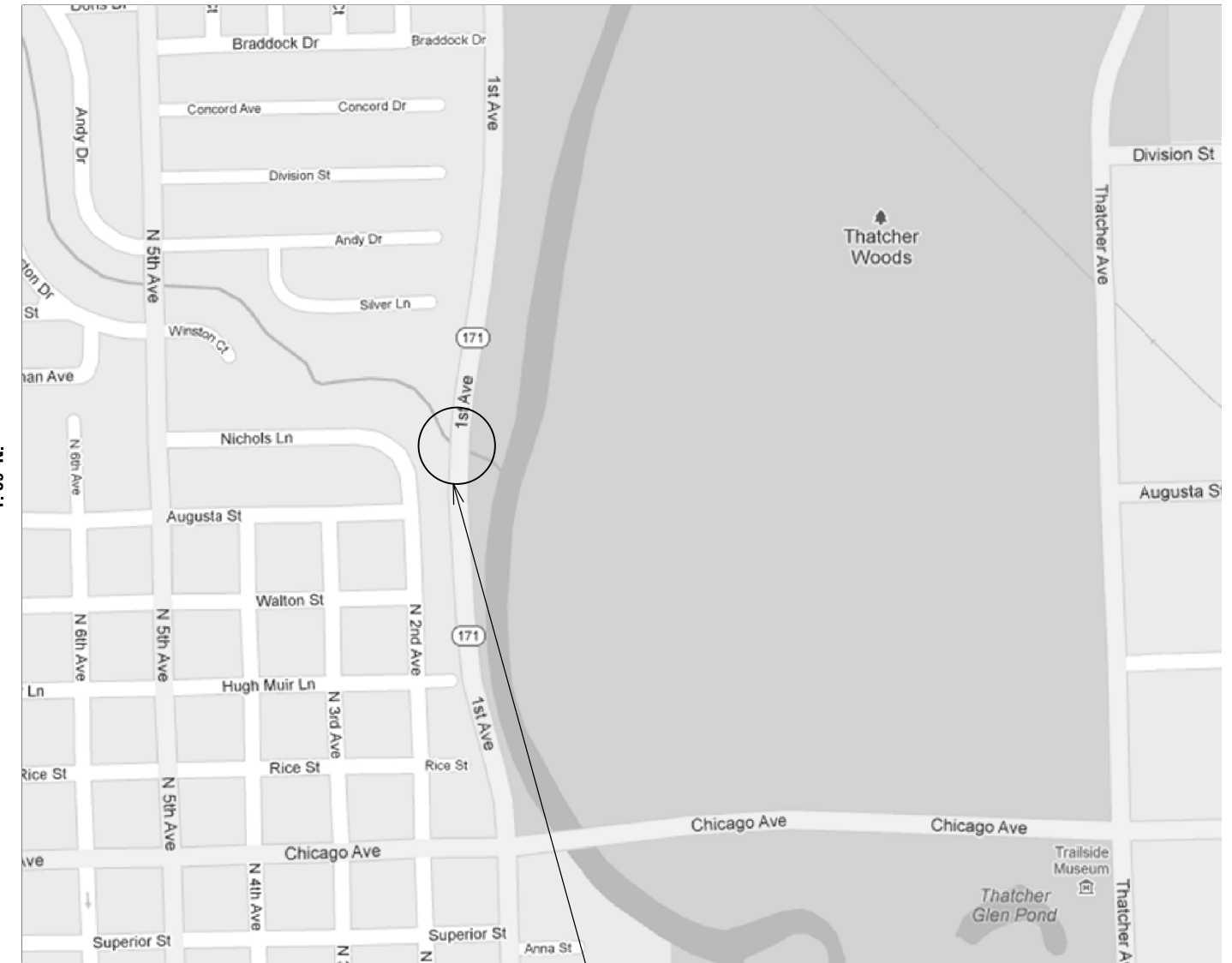


T. 41 N.

LOCATION 1
 FOSTER AVE.
 AT NORTH BRANCH CHICAGO RIVER
 0.1 MILES WEST OF PULASKI RD.
 SN 016-0248
 CITY OF CHICAGO

TRAFFIC DATA
 EXISTING ADT = 27,600
 SPEED LIMIT = 35 MPH

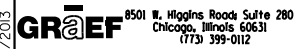
R. 12 E.



T. 39 N.

LOCATION 2
 ILLINOIS ROUTE 171
 AT SILVER CREEK
 0.6 MILES NORTH OF LAKE ST.
 SN 016-0698
 VILLAGE OF MAYWOOD

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PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED -
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	DATE - 03/20/2013	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

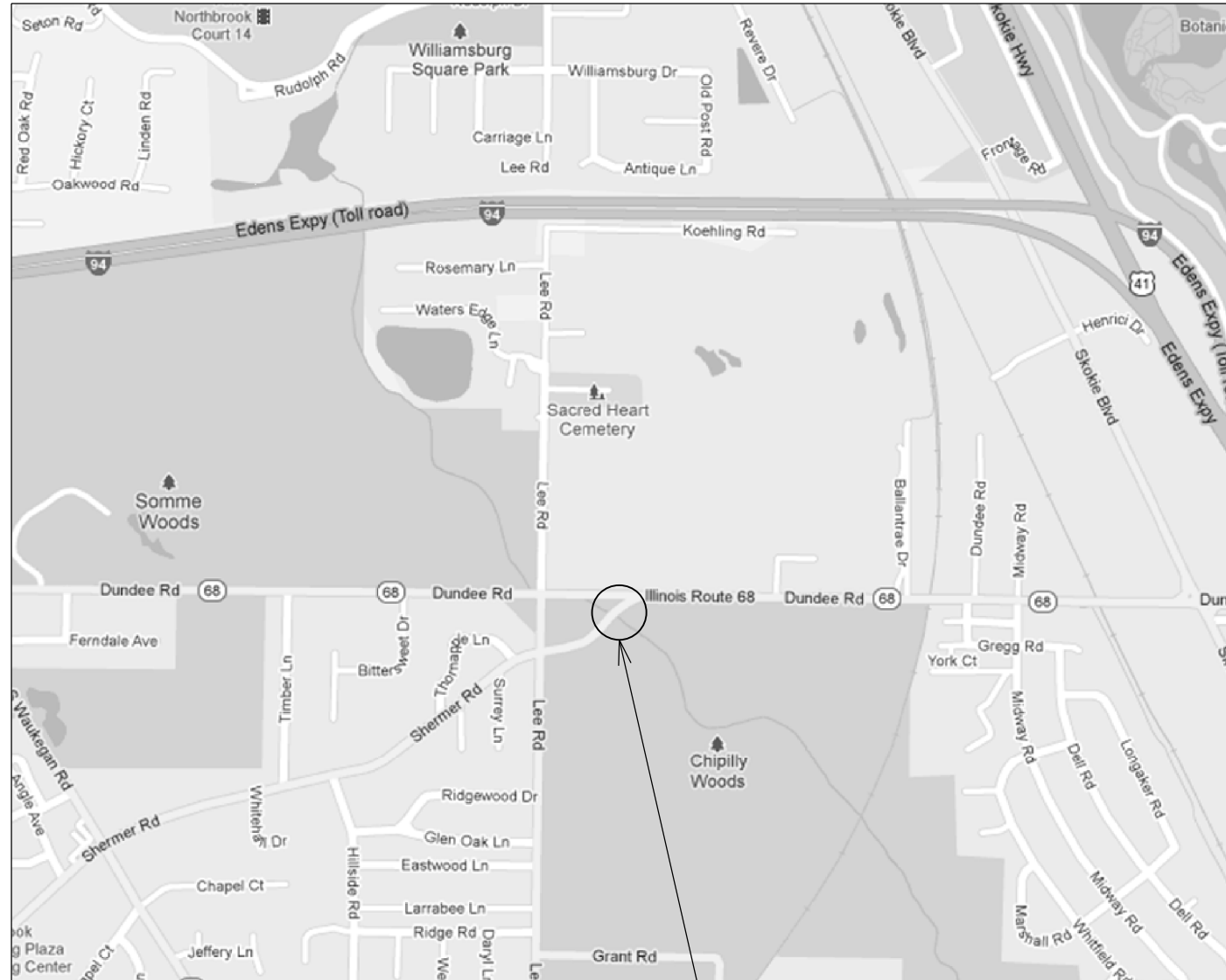
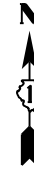
COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
 LOCATION MAP

SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DUPAGE	31	4
* VARIOUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				

TRAFFIC DATA
 EXISTING ADT = 12,500
 SPEED LIMIT = 30 MPH

R. 12 E.



T. 42 N.

LOCATION 3
SHERMER RD.
OVER MIDDLE FORK NORTH BRANCH CHICAGO RIVER
0.1 MILES SOUTHWEST OF IL 68
SN 016-0814
VILLAGE OF NORTHBROOK

TRAFFIC DATA
 EXISTING ADT = 11,300
 SPEED LIMIT = 40 MPH

R. 10 E.



T. 42 N.

LOCATION 4
PALATINE RD.
AT SALT CREEK
0.3 MILES EAST OF QUENTIN RD.
SN 016-2416
VILLAGE OF PALATINE

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GRAEF 8501 N. Higgins Road Suite 280
 Chicago, Illinois 60631
 (773) 399-0112

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PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

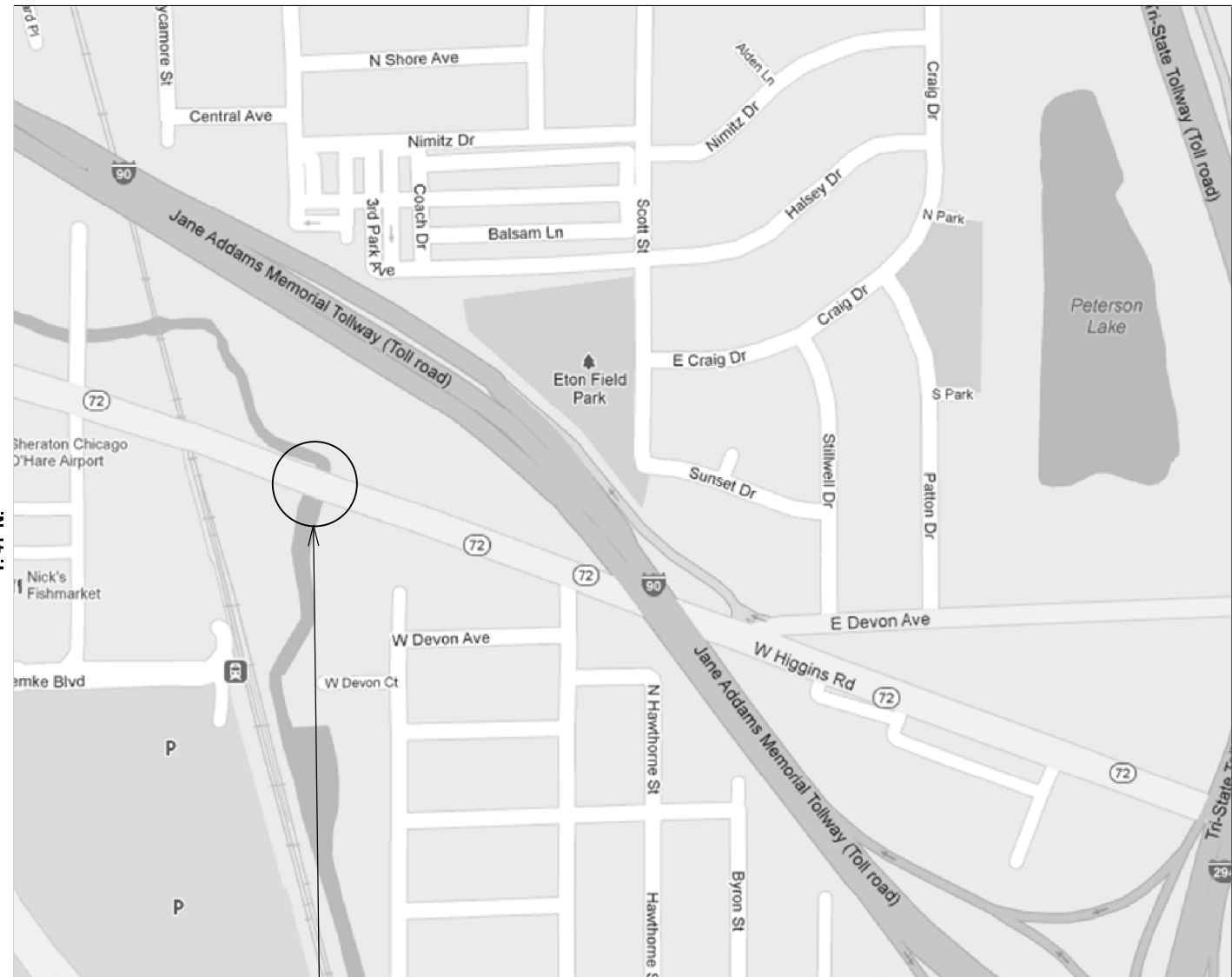
COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
LOCATION MAP

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2012-006 I	COOK/DuPAGE	31	5
• VARIOUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				

TRAFFIC DATA
 EXISTING ADT = 25,500
 SPEED LIMIT = 40 MPH

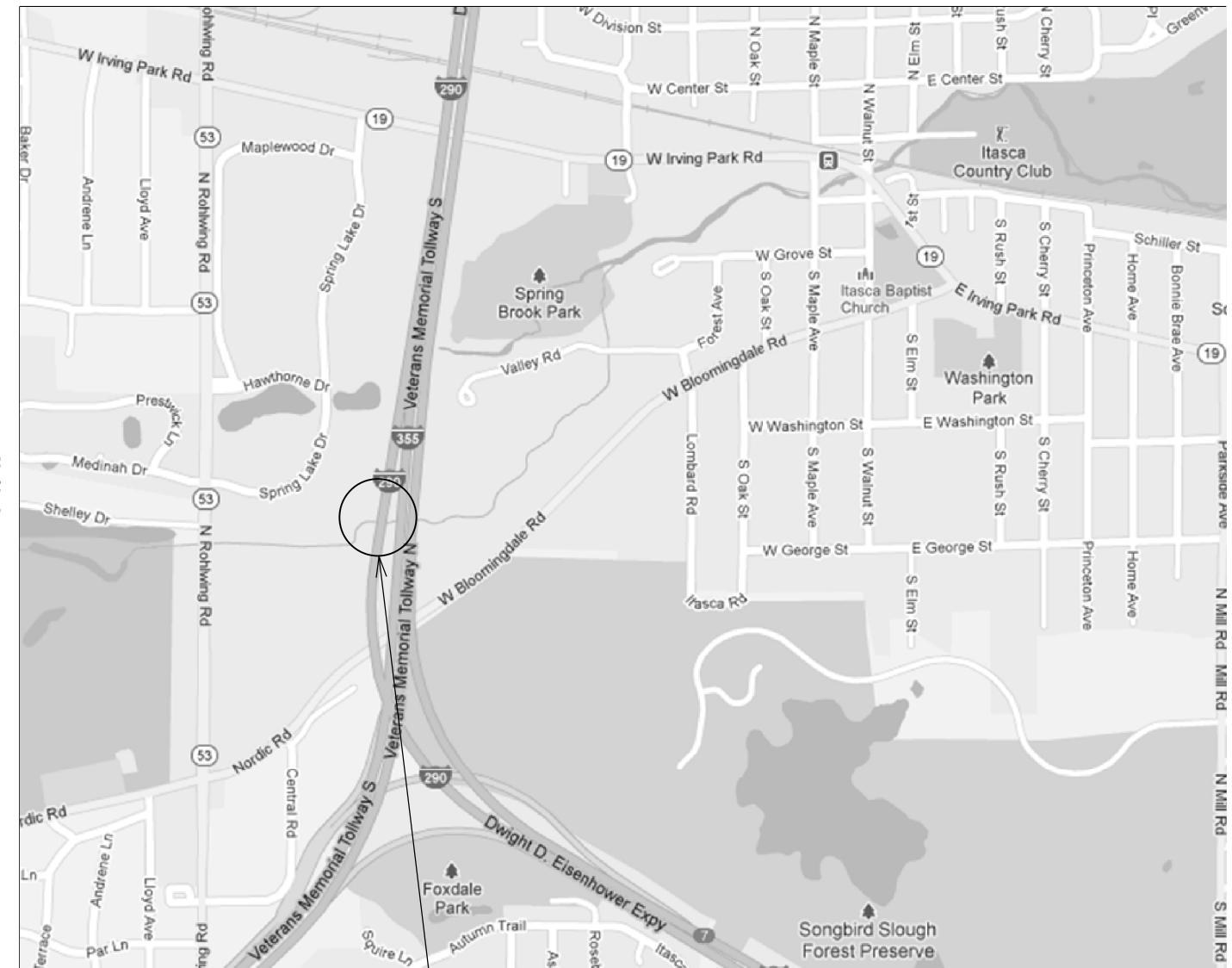
R. 12 E.



LOCATION 5
 ILLINOIS ROUTE 72
 AT WILLOW CREEK
 0.2 MILES SOUTH OF US 12/45
 SN 016-2533
 VILLAGE OF ROSEMONT

TRAFFIC DATA
 EXISTING ADT = 233,300
 SPEED LIMIT = 55 MPH

R. 11 E.



LOCATION 6
 I-290
 OVER SPRINGBROOK CREEK
 0.6 MILES SOUTH OF IL-19
 SN 022-0093
 VILLAGE OF ITASCA

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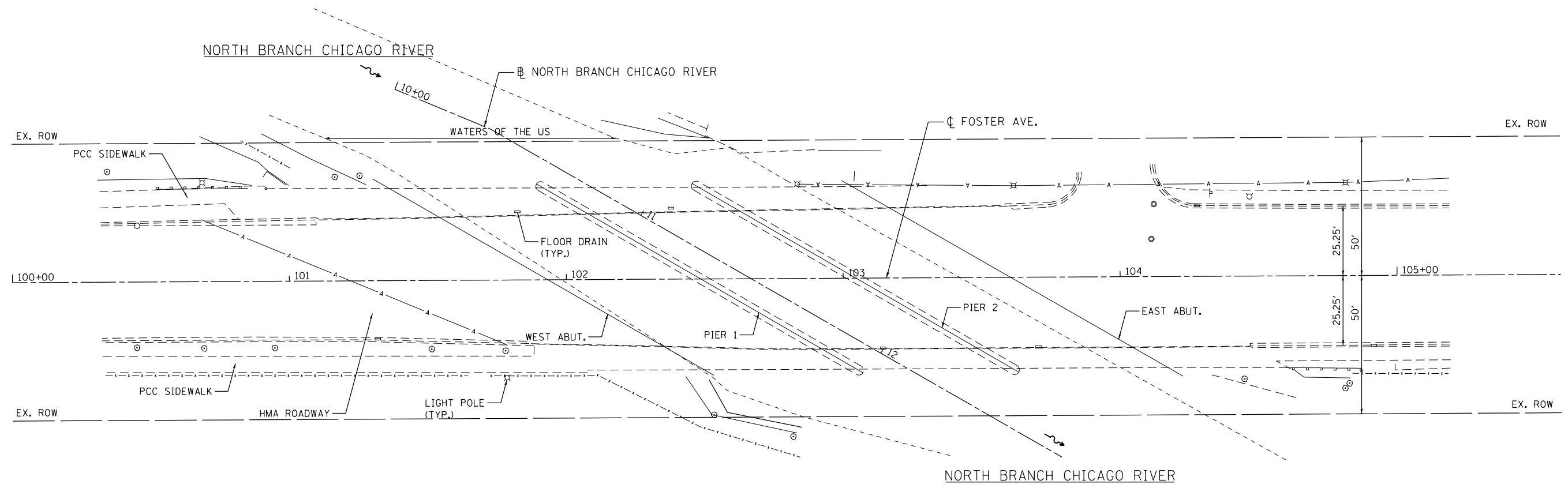
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DRAWN -	REVISED -	
CHECKED -	REVISED -	
DATE - 03/20/2013	REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
 LOCATION MAP

SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2012-006 I	COOK/DUPAGE	31	6
•	VARIIOUS ROUTES		CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				



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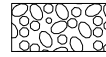
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 016-0248 FOSTER AVENUE AT N. BR. CHICAGO RIVER - SITE PLAN**

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DuPAGE	31	7
* VARIOUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				

LEGEND

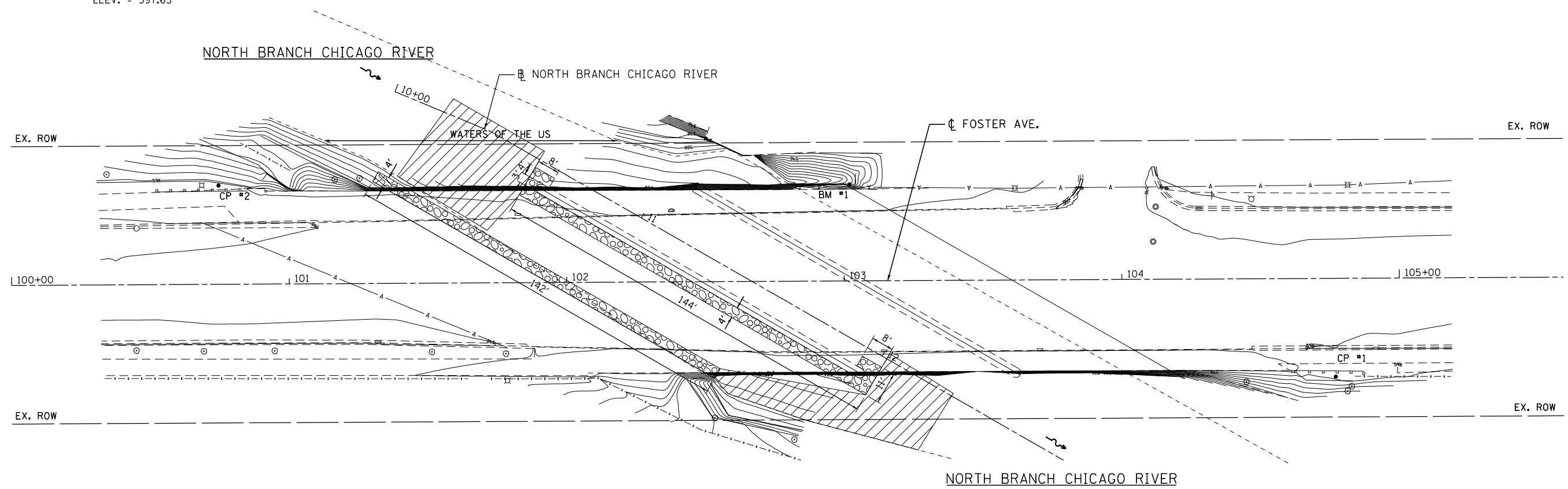


PERMANENT IMPACTS TO THE WATERS OF THE U.S. = 0.03 ACRES
STONE RIPRAP, CLASS A4 (2' THICK) - 90 TONS



TEMPORARY IMPACTS TO THE WATERS OF THE U.S. = 0.06 ACRES

- CP 1 - SET REBAR ON THE SOUTH SIDE OF FOSTER AVENUE, EAST OF THE RIVER
- CP 2 - SET REBAR ON THE NORTH SIDE OF FOSTER AVENUE, WEST OF THE RIVER
- BM 1 - CUT "□" ON THE CONCRETE ABUTMENT AT THE NORTH EAST CORNER OF THE BRIDGE ELEV. = 597.65



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GRÄEF 8501 N. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

USER NAME = 1485	DESIGNED -	REVISED -
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PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 016-0248 FOSTER AVENUE AT N. BR. CHICAGO RIVER - EROSION PLAN**

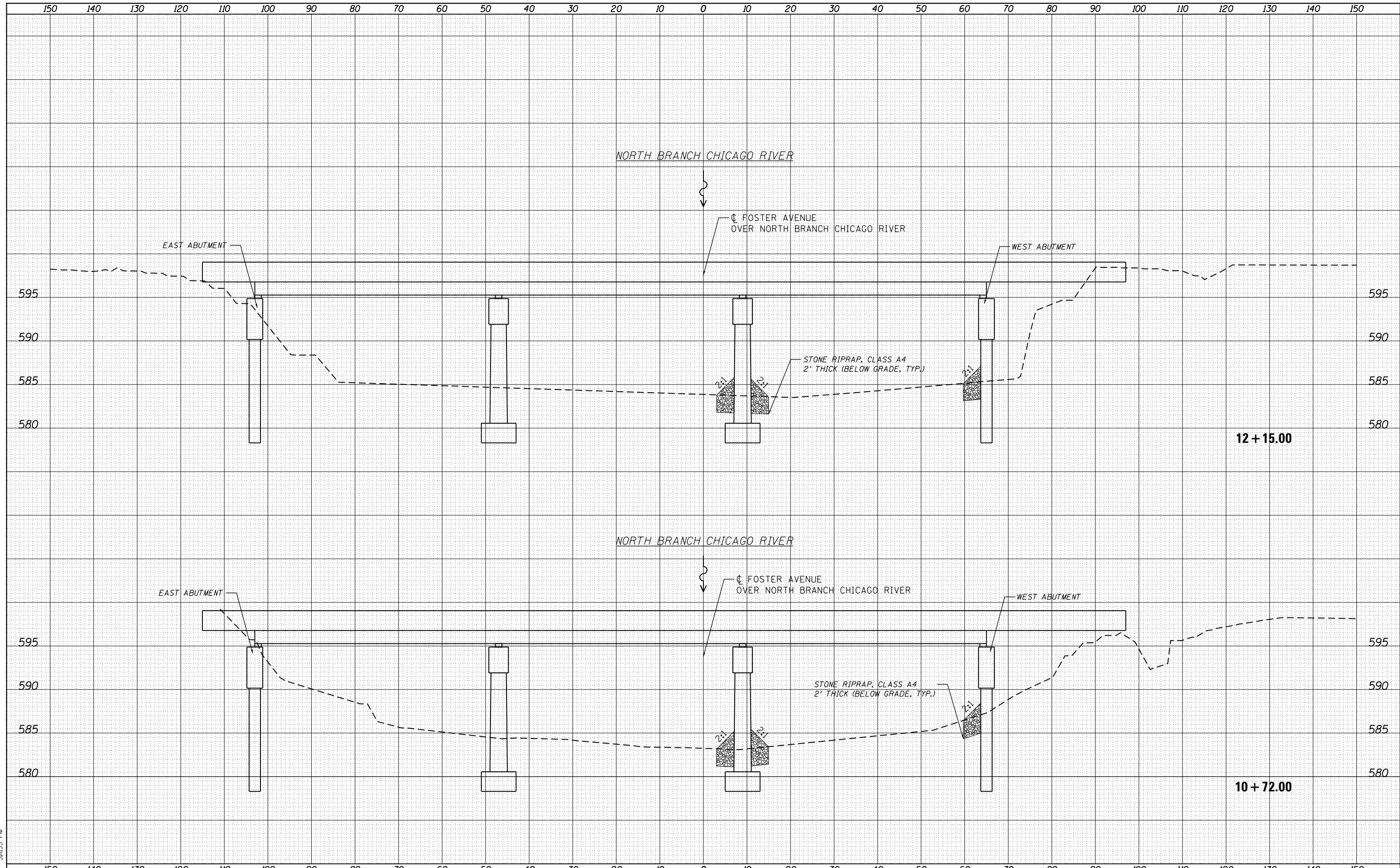
SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DuPAGE	31	8
* VARIOUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				

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TEMPLATE	
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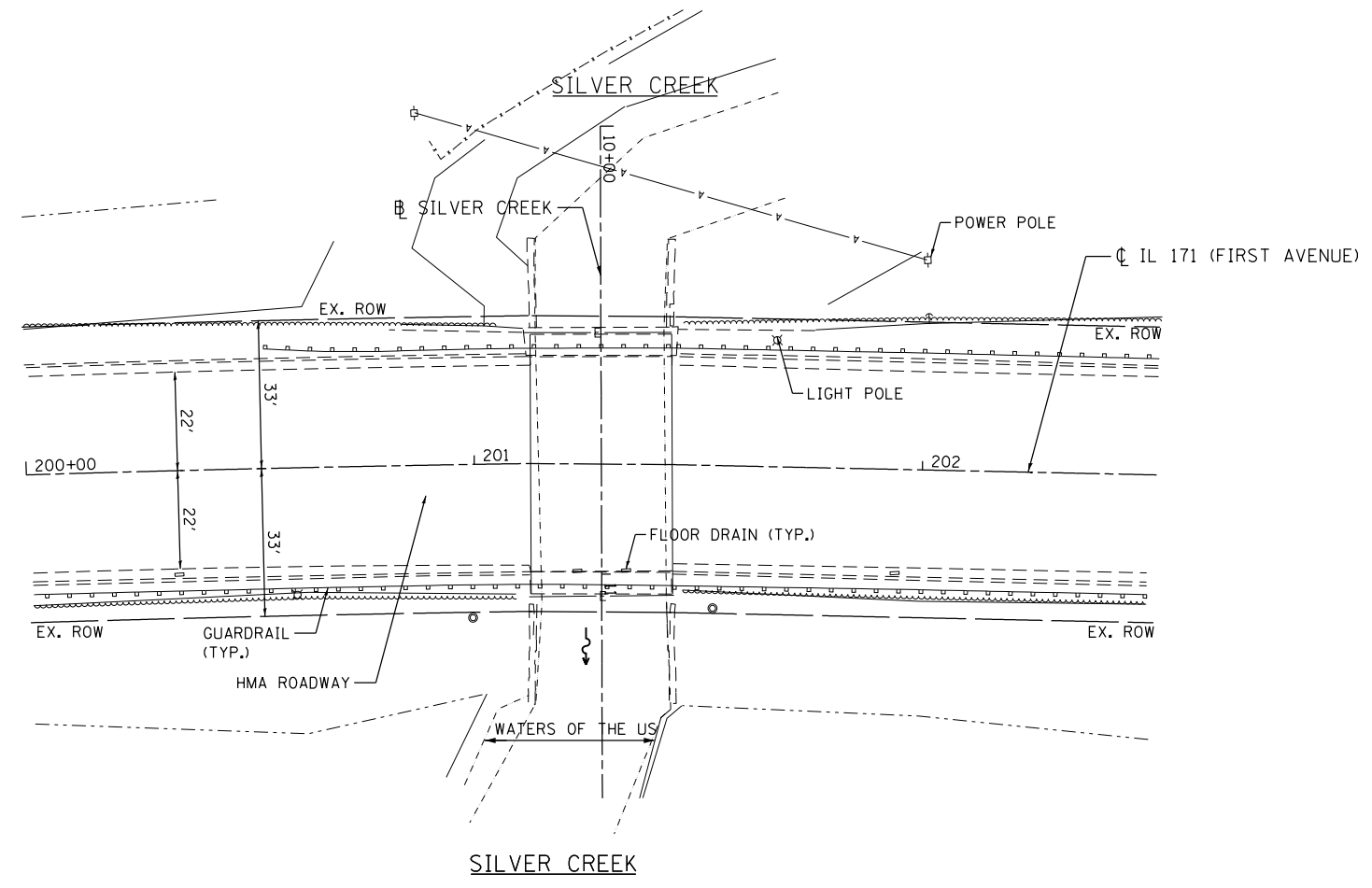
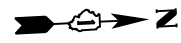
GR&E 8501 N. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

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	DRAWN - EF	REVISED -
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PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 016-0248 FOSTER AVENUE AT N. BR. CHICAGO RIVER - CROSS SECTIONS
SCALE: SHEET 1 OF 1 SHEETS STA. 10+72.00 TO STA. 12+15.00

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2012-006 I	COOK/DuPAGE	31	9
•	VARIOUS ROUTES	CONTRACT NO. 60T52		
ILLINOIS FED. AID PROJECT				



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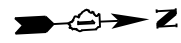
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	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 016-0698 IL 171 AT SILVER CREEK - SITE PLAN

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DuPAGE	31	10
* VARIOUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				



LEGEND



PERMANENT IMPACTS TO THE WATERS OF THE U.S. = 0.005 ACRES
STONE RIPRAP, CLASS A4 - 70 TONS



TEMPORARY IMPACTS TO THE WATERS OF THE U.S. = x ACRES

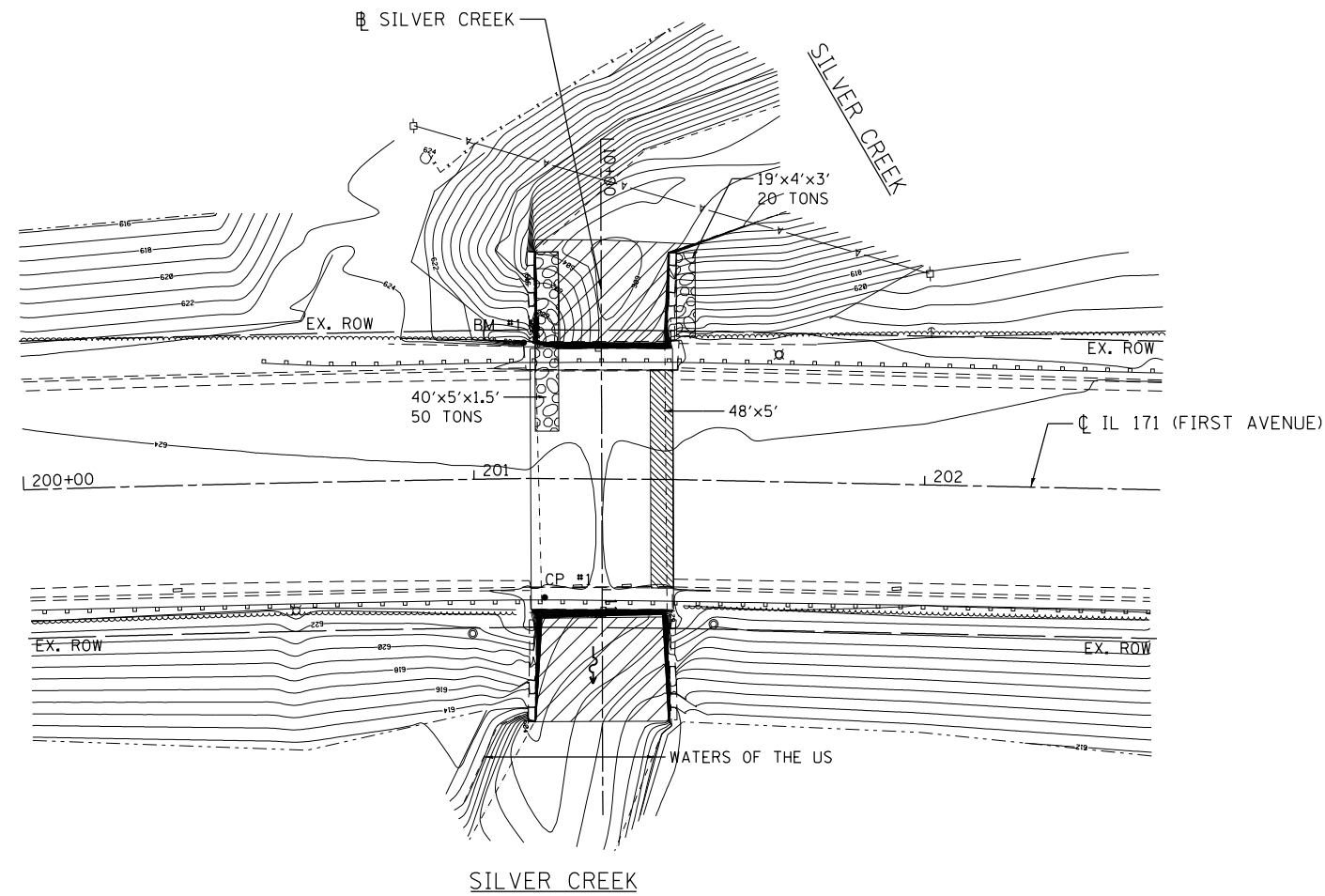


CHANNEL EXCAVATION - 80 CU YD

CP 1 - SET "X" IN CONCRETE DECK OF BRIDGE ON THE EAST SIDE OF IL 171
ELEV. = 624.42

CP 2 - SET "X" IN TOP OF CURB ON THE WEST SIDE OF IL 171 NORTH OF SILVER CREEK
ELEV. = 623.92

BM 1 - CUT "□" ON THE SOUTH WING WALL ON THE WEST SIDE OF IL 171
ELEV. = 625.25



CP #2

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Chicago, Illinois 60631
(773) 399-0112

USER NAME = 1485	DESIGNED - GB	REVISED -
DRAWN - GB	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - RS	REVISED -
PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 016-0698 IL 171 AT SILVER CREEK - EROSION PLAN**

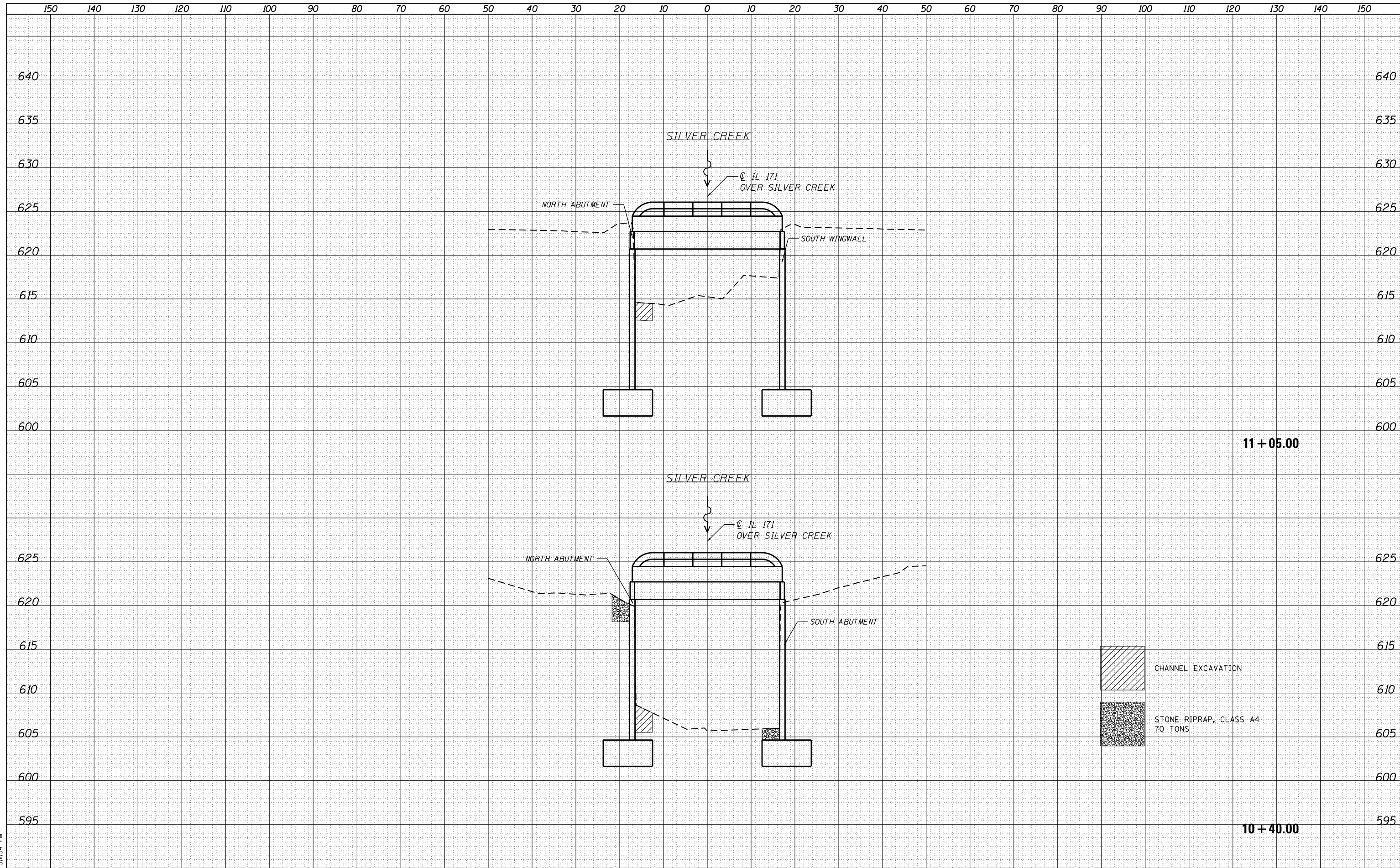
SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DuPAGE	31	11
* VARIOUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
	CHECKED

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(773) 399-0112

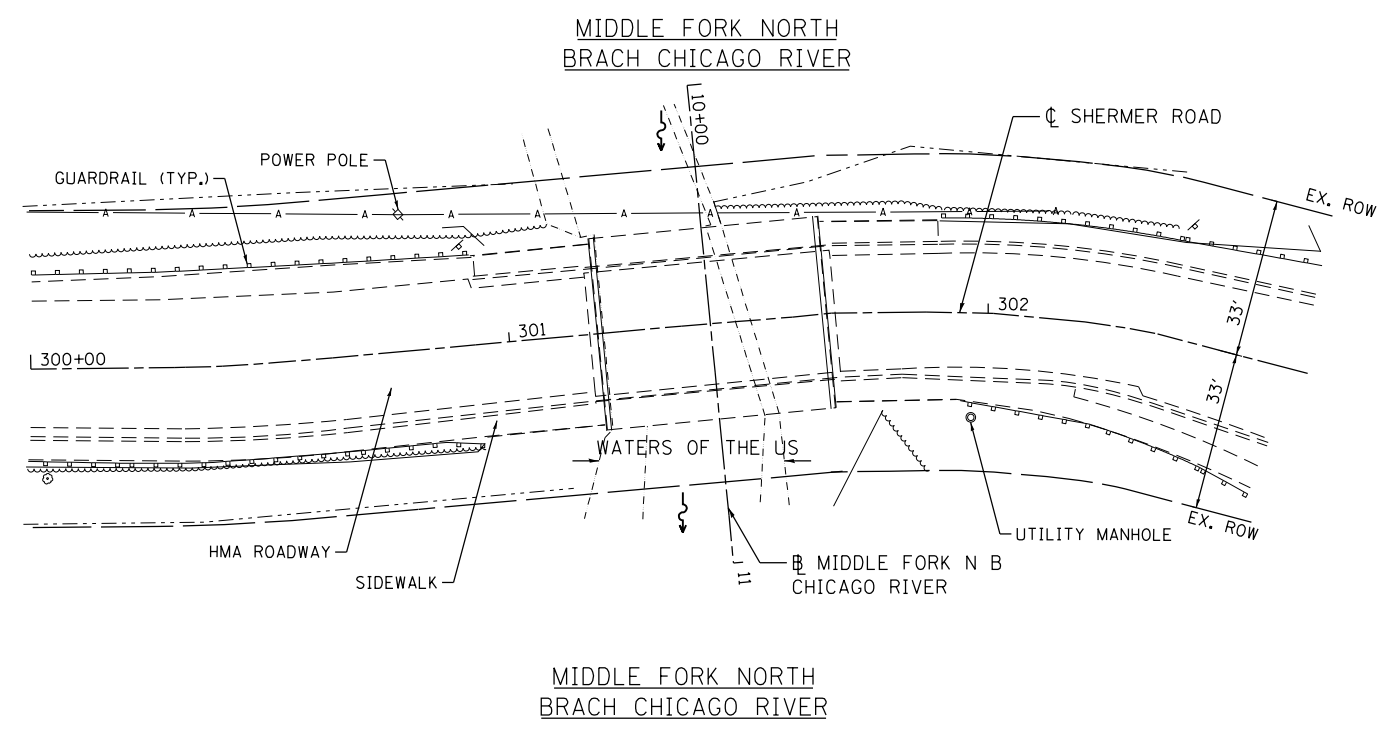
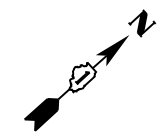
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	DRAWN - EF	REVISED -
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PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 016-0698 IL 171 AT SILVER CREEK - CROSS SECTIONS**

SCALE: SHEET 1 OF 1 SHEETS STA. 10+40.00 TO STA. 11+05.00

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2012-006 I	COOK/DuPAGE	31	12
•	VARIOUS ROUTES	CONTRACT NO. 60T52		
ILLINOIS FED. AID PROJECT				



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USER NAME = 1485	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 016-0814 SHERMER ROAD AT M FK N BR CHICAGO - SITE PLAN

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DuPAGE	31	13
* VARIOIUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				

LEGEND

STONE RIPRAP, CLASS A4 (2 FT THICK)

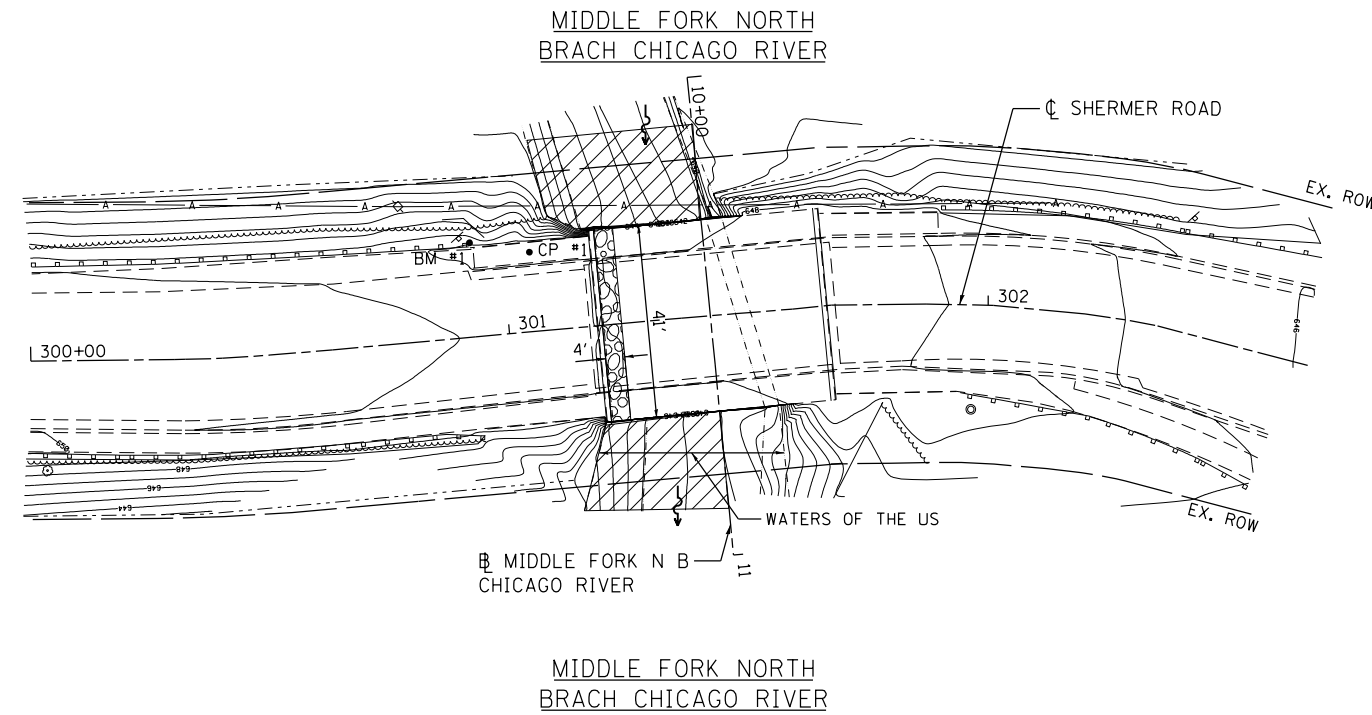
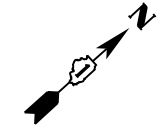


PERMANENT IMPACTS TO THE WATERS OF THE U.S. = 0.004 ACRES
STONE RIPRAP, CLASS A4 (2' THICK) - 26 TONS



TEMPORARY IMPACTS TO THE WATERS OF THE U.S. = 0.027 ACRES

- CP 1 - SET "X" IN THE CONCRETE WALK ON THE WEST SIDE OF SHERMER ELEV. = 649.35
- CP 2 - FOUND "X" IN CONCRETE WALK ON THE SOUTHERLY SIDE OF SHERMER ELEV. =650.76
- BM 1 - SET "□" AT THE SOUTHWEST CORNER OF CONCRETE WALL OF THE BRIDGE ELEV. = 649.50



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PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -

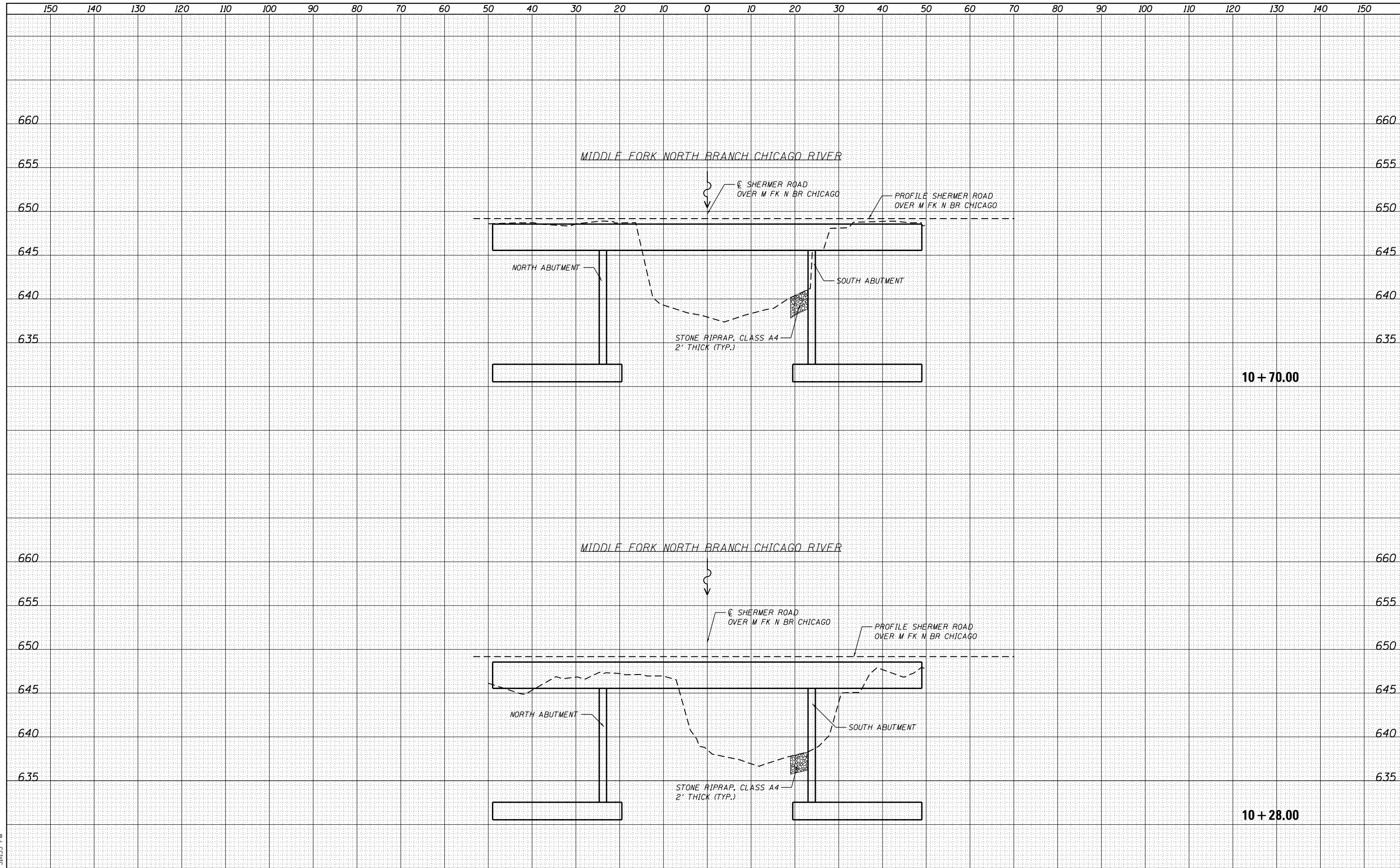
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 016-0814 SHERMER ROAD AT M FK N BR CHICAGO - EROSION PLAN
SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DuPAGE	31	14
* VARIOIUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				

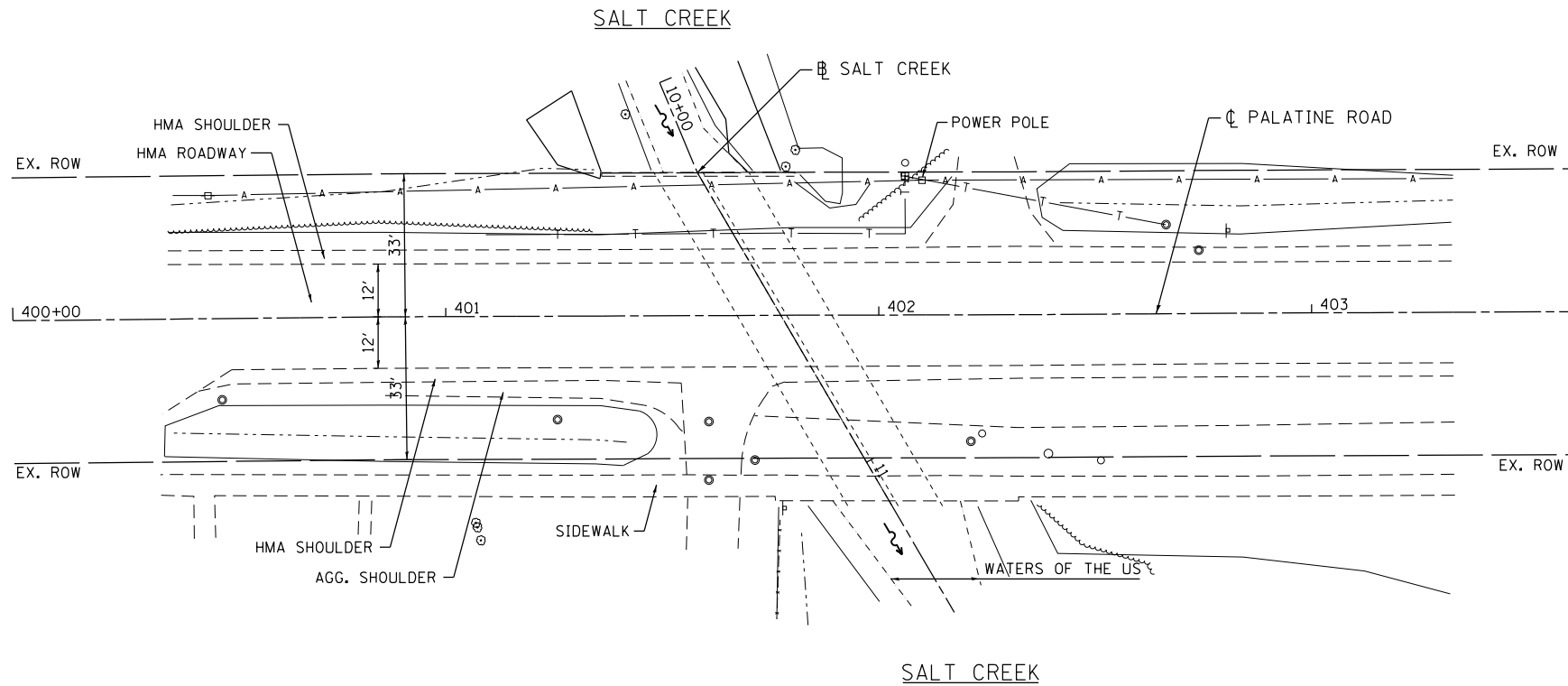
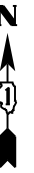
DATE	
BY	
FINAL SURVEY	
SURVEYED	
NOTE BOOK	
NO.	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

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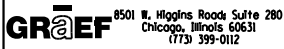


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	USER NAME = 1485	DESIGNED - EF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS SN 016-0814 SHERMER ROAD AT M FK N BR CHICAGO - CROSS SECTIONS	F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000' / in.	CHECKED - RS	REVISED -			• 2012-006 I	COOK/DuPAGE	31	15	
	PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -			• VARIOUS ROUTES	CONTRACT NO. 60T52			
	SCALE: SHEET 1 OF 1 SHEETS STA. 10+28.00 TO STA. 10+70.00						ILLINOIS FED. AID PROJECT			



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USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 016-2416 PALATINE ROAD AT SALT CREEK - SITE PLAN

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.

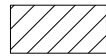
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DuPAGE	31	16
* VARIOIUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				



LEGEND

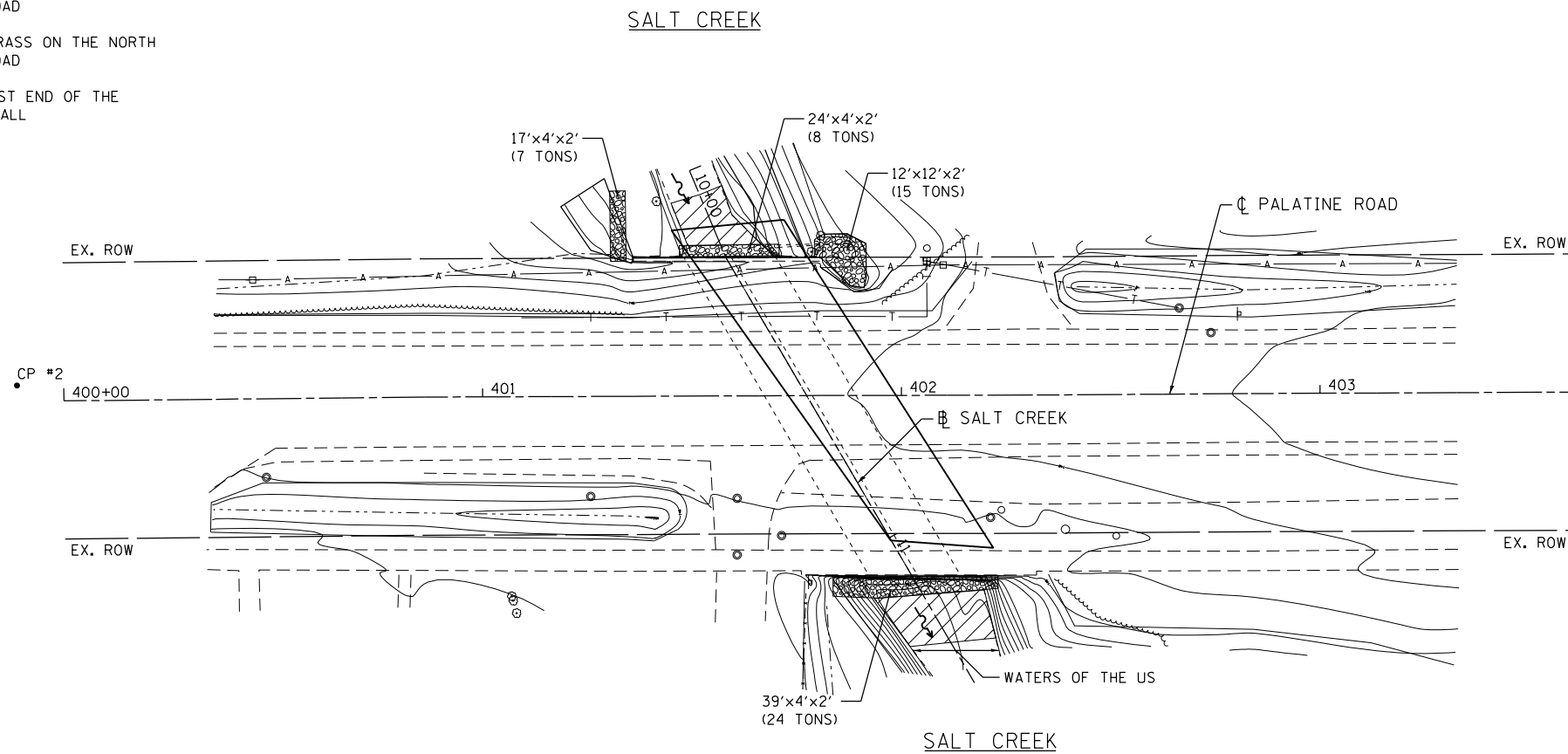


PERMANENT IMPACTS TO THE WATERS OF THE U.S. = 0.01 ACRES
STONE RIPRAP, CLASS A4 (2' THICK) - 54 TONS

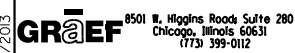


TEMPORARY IMPACTS TO THE WATERS OF THE U.S. = 0.01 ACRES

- CP 1 - SET REBAR IN THE GRASS SOUTH OF THE CONCRETE WALK ON THE SOUTH SIDE OF PALATINE ROAD
- CP 2 - SET REBAR IN THE GRASS ON THE NORTH SIDE OF PALATINE ROAD
- BM 1 - CUT "□" ON THE EAST END OF THE CONCRETE PARAPET WALL ELEV. = 749.23



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USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 016-2416 PALATINE ROAD AT SALT CREEK - EROSION PLAN**

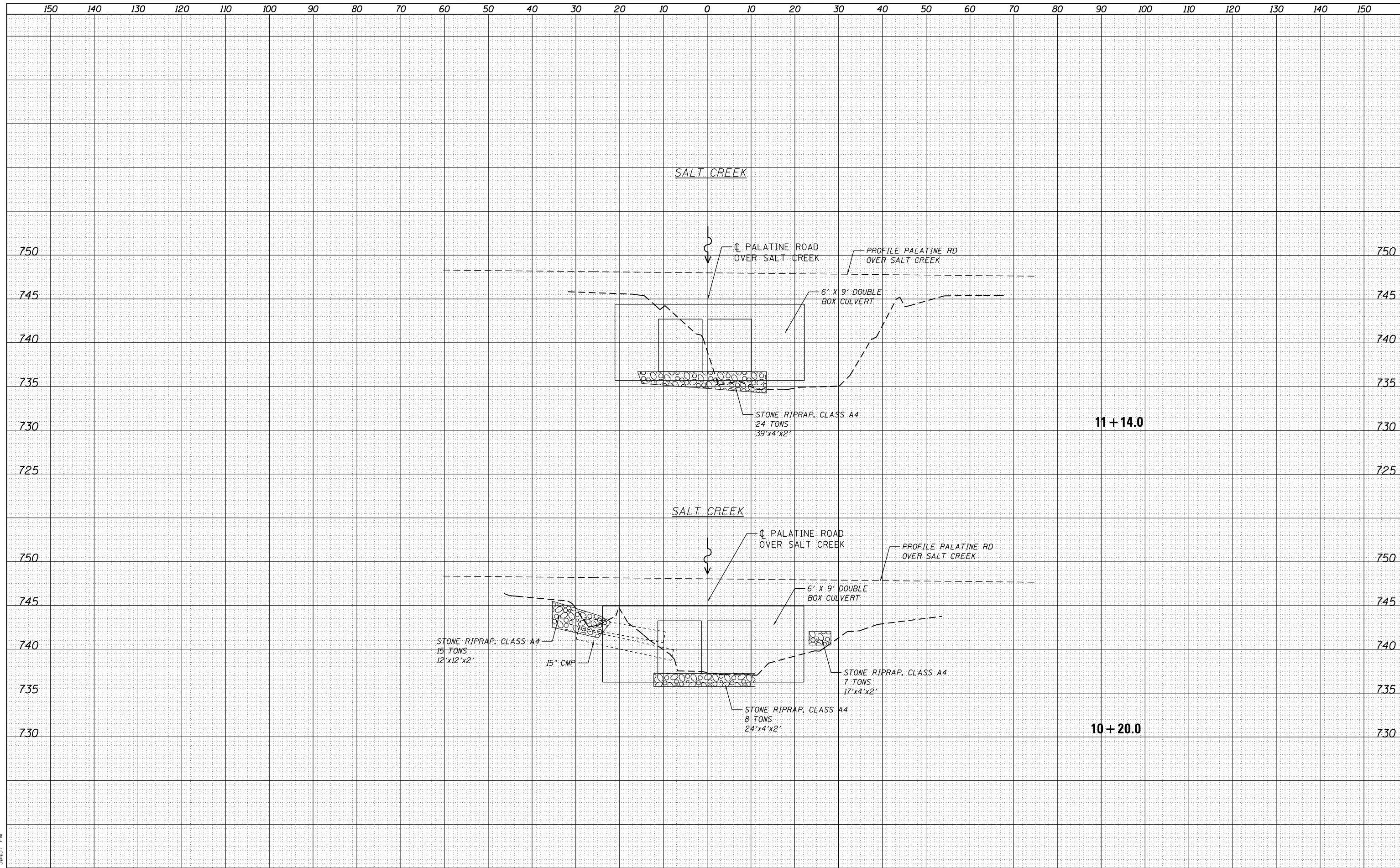
SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DuPAGE	31	17
* VARIOIUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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DATE	
BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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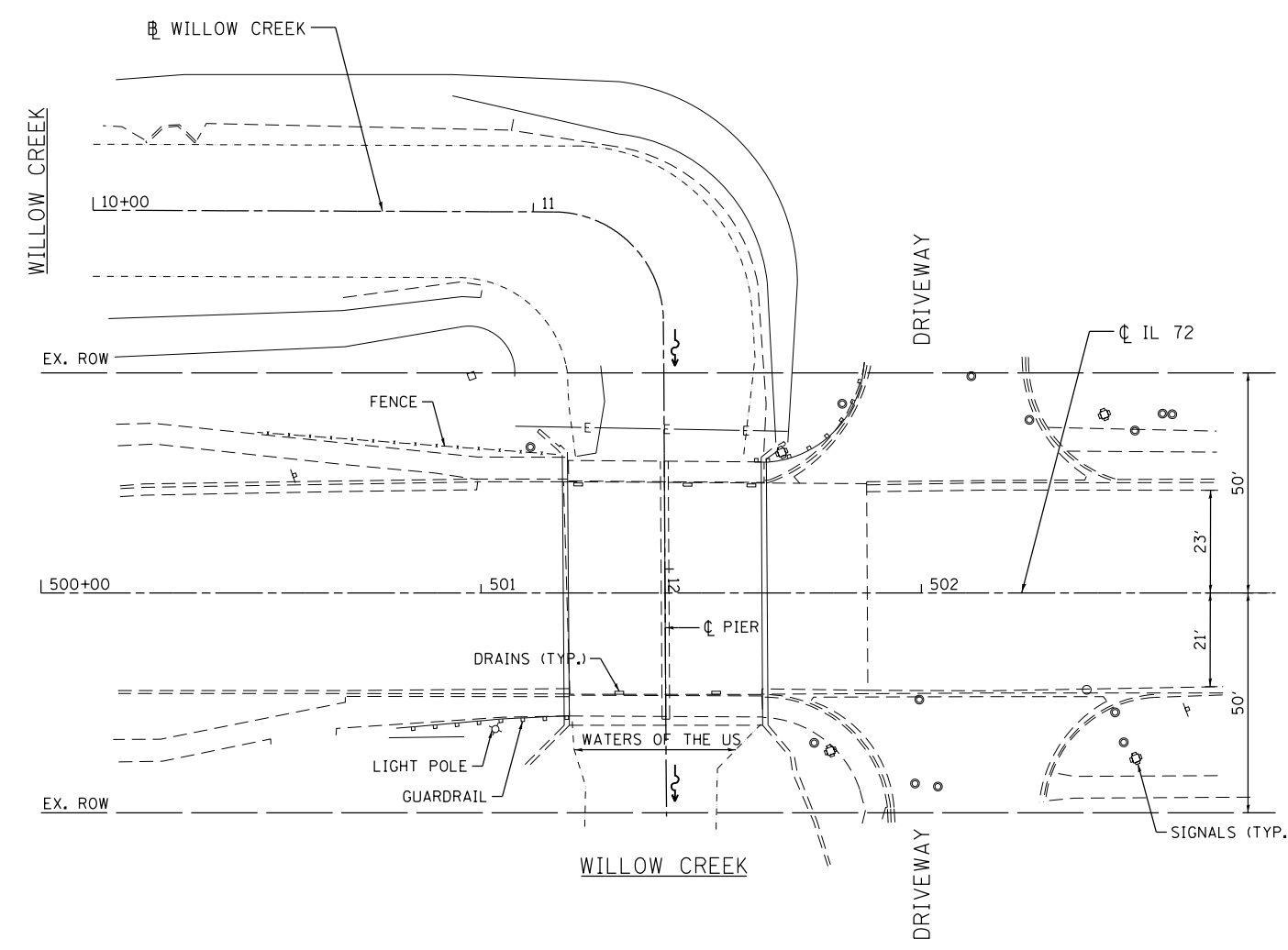
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 016-2416 PALATINE ROAD AT SALT CREEK - CROSS SECTIONS**

SCALE: SHEET 1 OF 1 SHEETS STA. 10+19.77 TO STA. 11+13.95

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2012-006 I	COOK/DuPAGE	31	18
•	VARIOUS ROUTES	CONTRACT NO.	60T52	
ILLINOIS FED. AID PROJECT				



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	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 016-2533 IL 72 AT WILLOW CREEK - SITE PLAN**

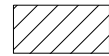
SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DuPAGE	31	19
* VARIOUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				

LEGEND



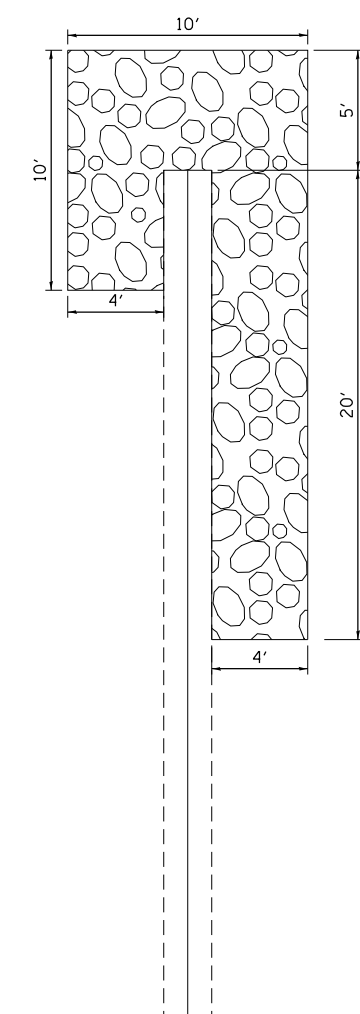
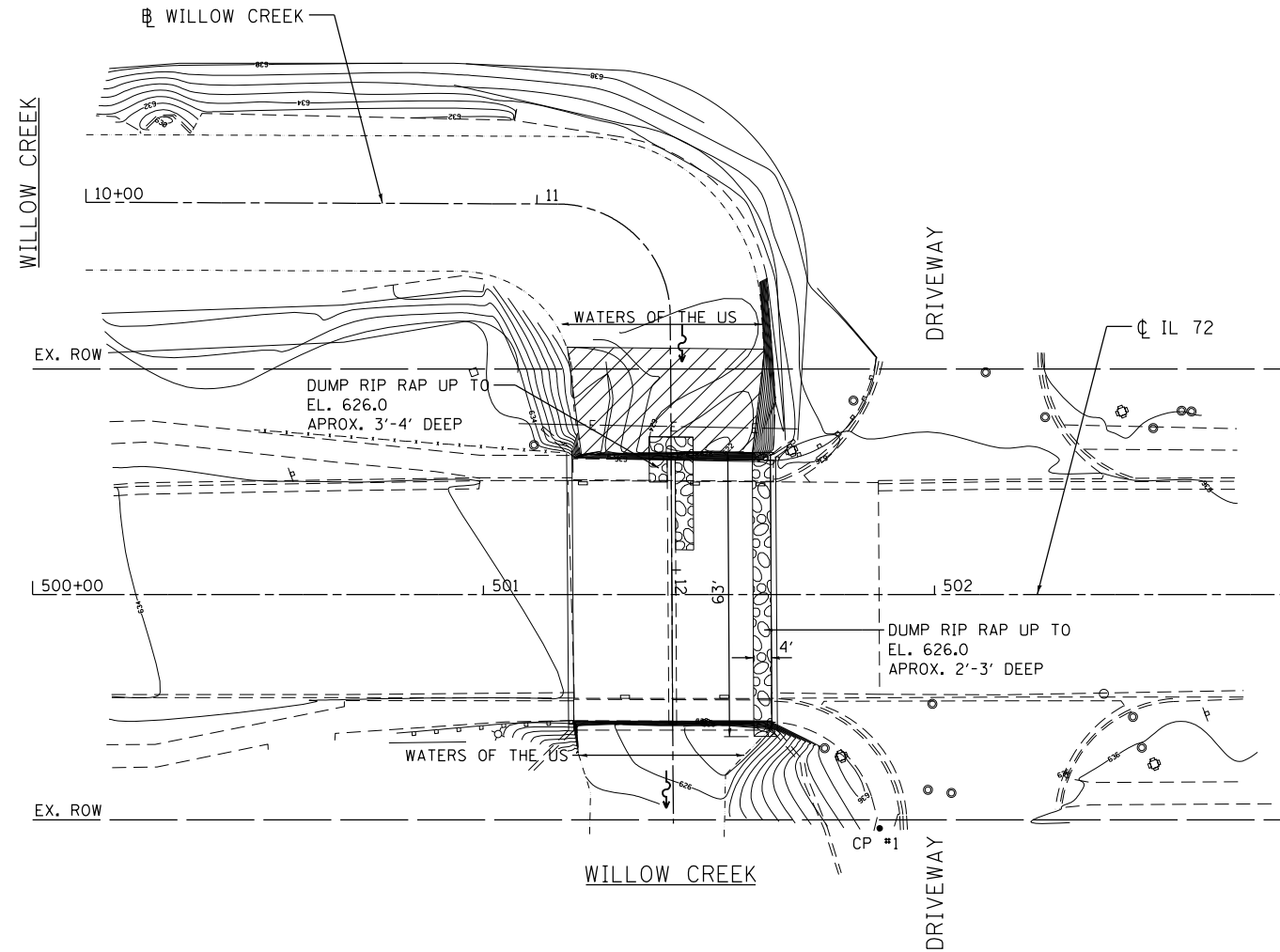
PERMANENT IMPACTS TO THE WATERS OF THE U.S. = 0.008 ACRES
STONE RIPRAP, CLASS A4 - 88 TONS



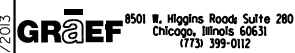
TEMPORARY IMPACTS TO THE WATERS OF THE U.S. = 0.021 ACRES

CP 1 - SET "X" IN THE CONCRETE WALK AT THE SOUTHWEST CORNER OF HIGGINS AND DRIVEWAY
ELEV. = 635.88

CP 2 - SET "X" IN THE CONCRETE WALK ON THE NORTH SIDE OF HIGGINS WEST OF THE CREEK
ELEV. = 635.71



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USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 016-2533 IL 72 AT WILLOW CREEK - EROSION PLAN**

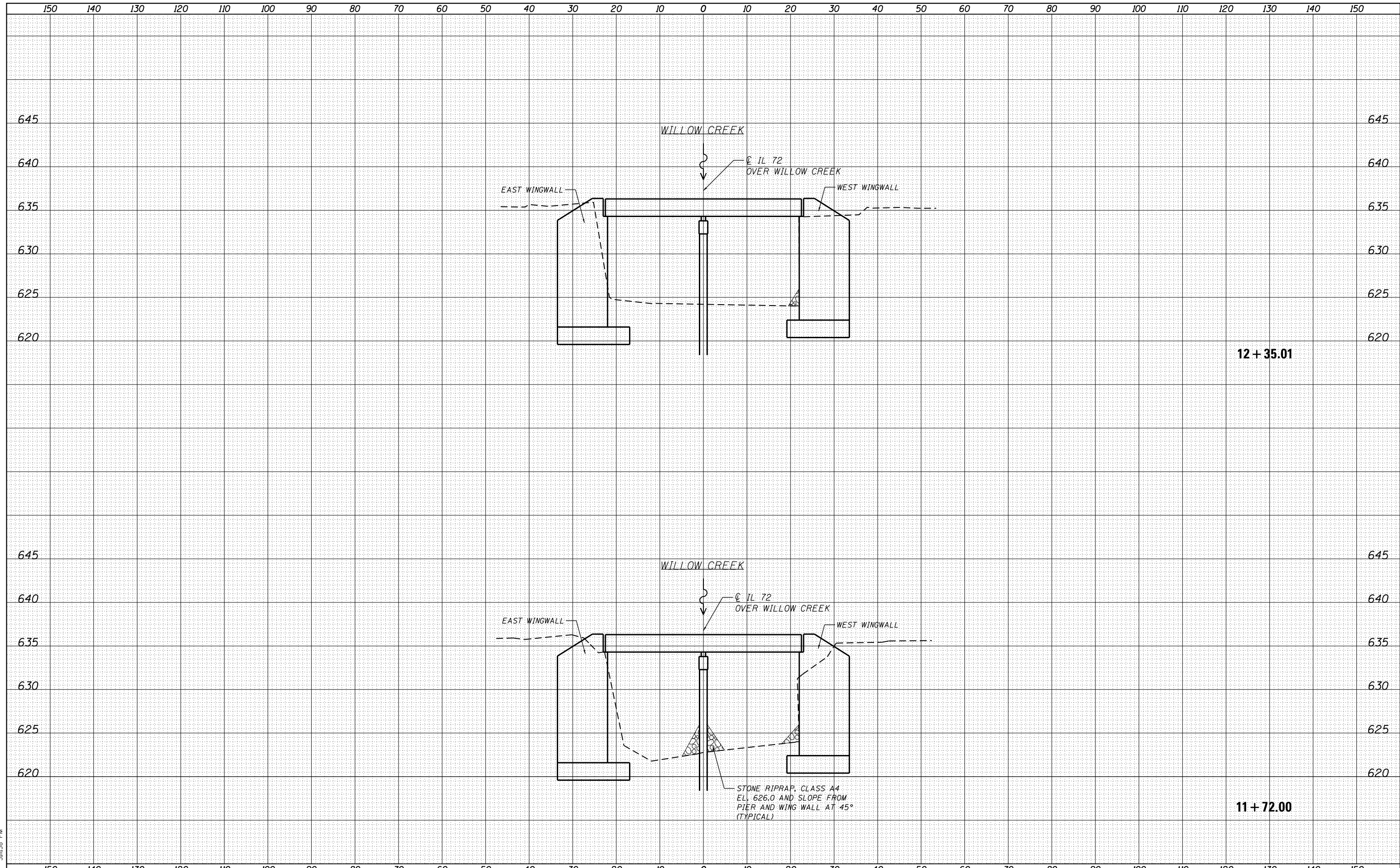
SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DuPAGE	31	20
* VARIOUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
NOTE BOOK	
AREAS CHECKED	
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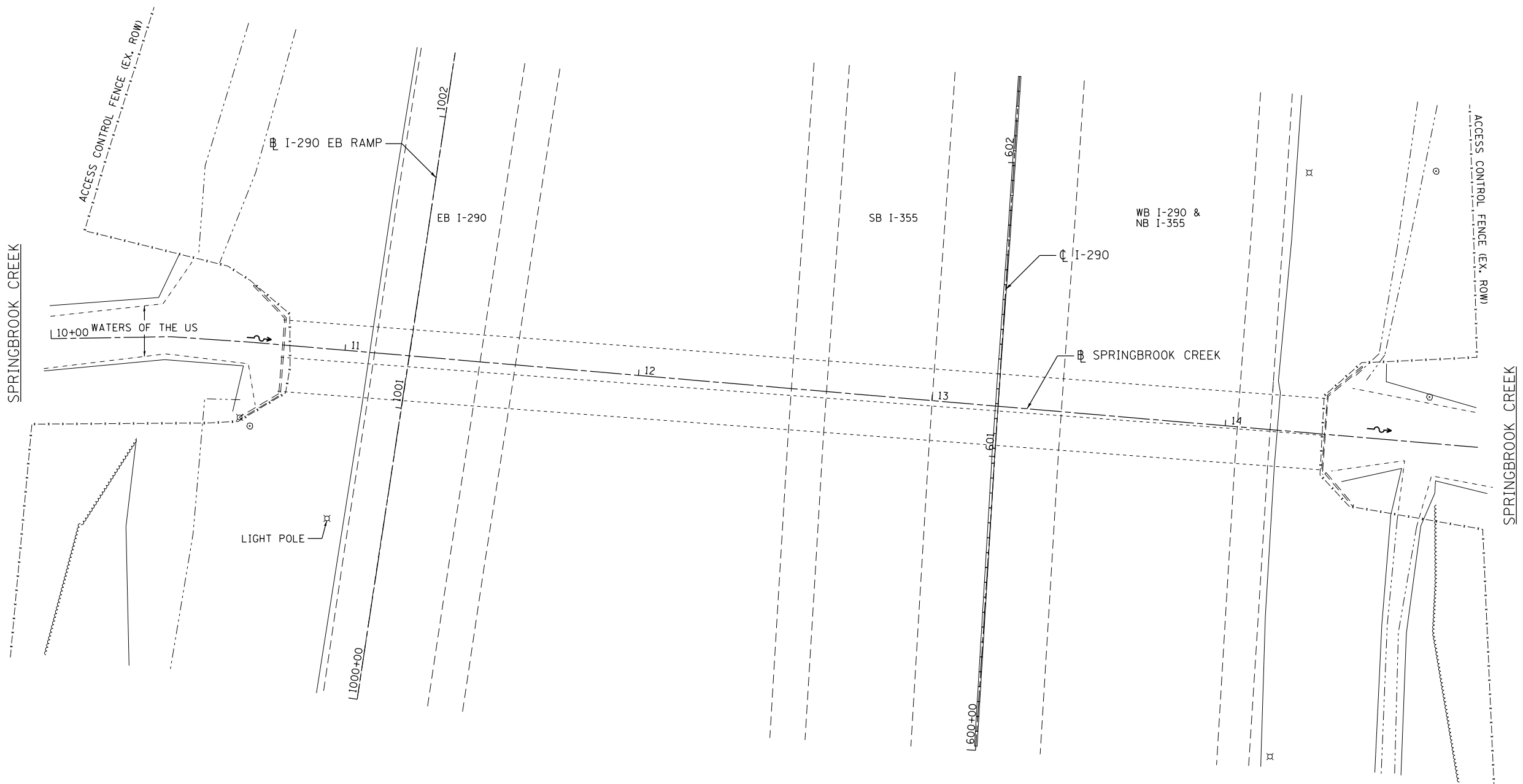
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PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 016-2533 IL 72 AT WILLOW CREEK - CROSS SECTIONS**

SCALE: SHEET 1 OF 1 SHEETS STA. 11+72.00 TO STA. 12+35.01

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2012-006 I	COOK/DuPAGE	31	21
•	VARIOUS ROUTES	CONTRACT NO. 60T52		
ILLINOIS FED. AID PROJECT				



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USER NAME = 1485	DESIGNED -	REVISED -
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PLOT DATE = 3/8/2013	CHECKED -	REVISED -
	DATE - 03/20/2013	REVISED -

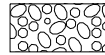
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 022-0093 1-290 AT SPRINGBROOK CREEK - SITE PLAN**

SCALE: 1"=20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I <td>COOK/DuPAGE <td>31</td> <td>22</td> </td>	COOK/DuPAGE <td>31</td> <td>22</td>	31	22
* VARIOUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				

LEGEND



PERMANENT IMPACTS TO THE WATERS OF THE U.S. = 0.006 ACRES
STONE RIPRAP, CLASS A4 - 208 TONS



TEMPORARY IMPACTS TO THE WATERS OF THE U.S. = 0.04 ACRES

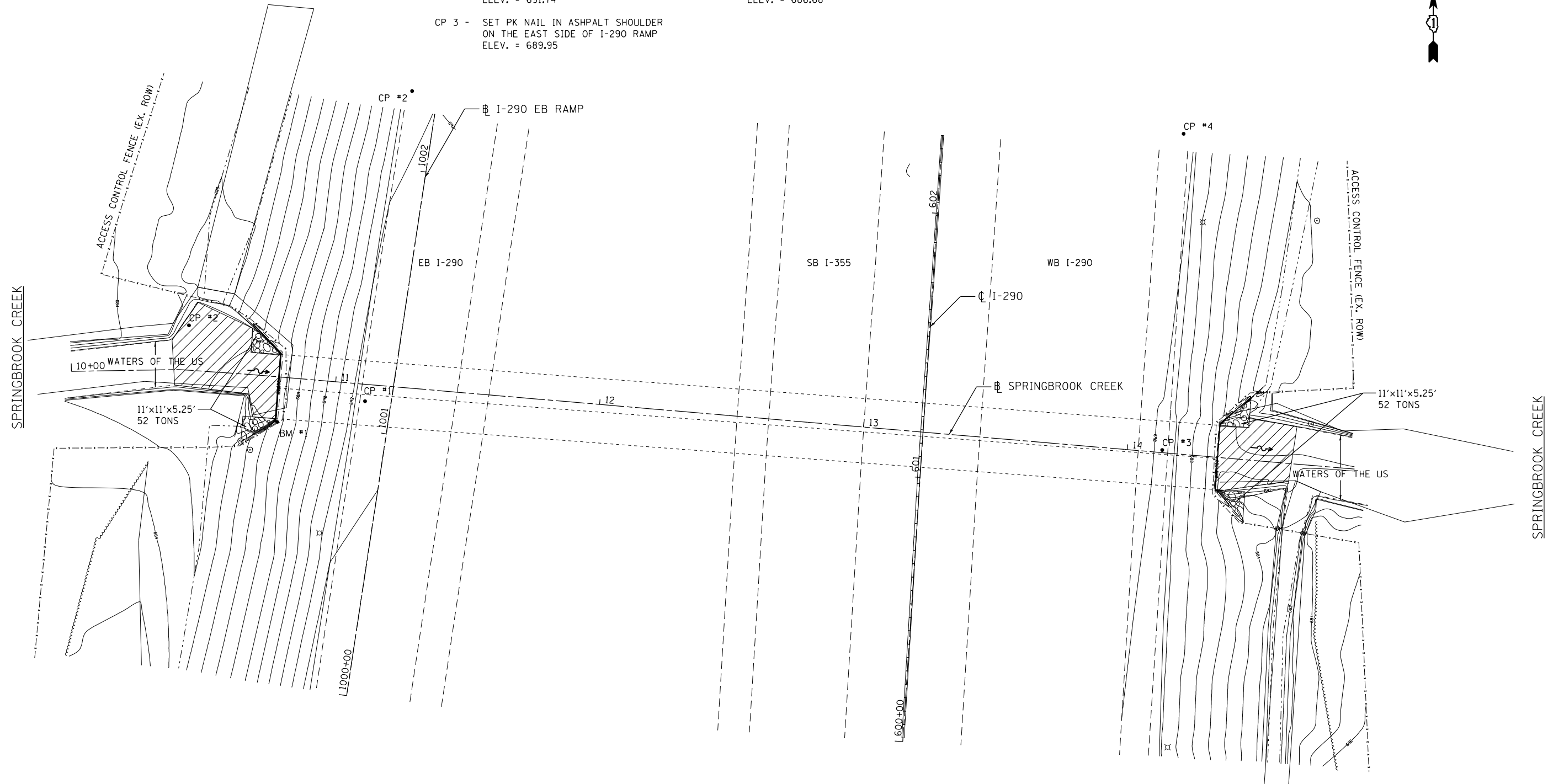
CP 1 - SET PK NAIL IN ASPHALT SHOULDER
± MIDDLE OF CONCRETE HEADWALL
ELEV. = 692.47

CP 2 - SET PK NAIL IN ASPHALT SHOULDER
ON THE WEST SIDE OF I-290 RAMP
ELEV. = 691.74

CP 3 - SET PK NAIL IN ASPHALT SHOULDER
ON THE EAST SIDE OF I-290 RAMP
ELEV. = 689.95

CP 4 - SET PK NAIL IN ASPHALT SHOULDER
ON THE EAST SIDE OF I-290 RAMP
ELEV. = 690.28

BM 1 - CUT "□" IN THE SOUTH EAST CORNER OF
HEADWALL ON THE WEST SIDE OF I-290 RAMP
ELEV. = 686.68



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USER NAME = 1485	DESIGNED -	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/8/2013	CHECKED -	REVISED -
	DATE - 03/20/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
SN 022-0093 1-290 AT SPRINGBROOK CREEK - EROSION PLAN**

SCALE: 1"=20' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DuPAGE	31	23
• VARIOUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				

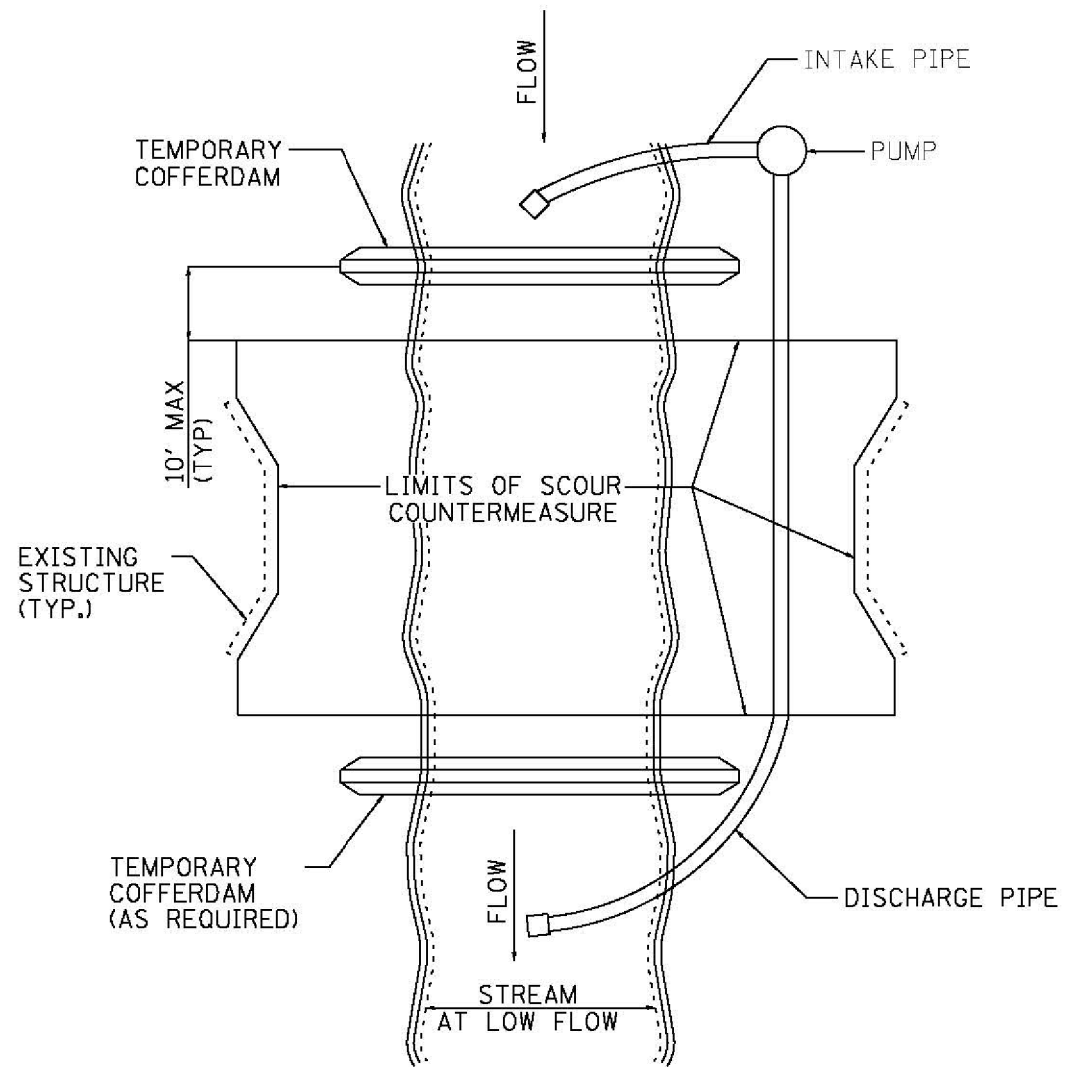


FIGURE D1. TEMPORARY COFFERDAM WITH PUMP BYPASS

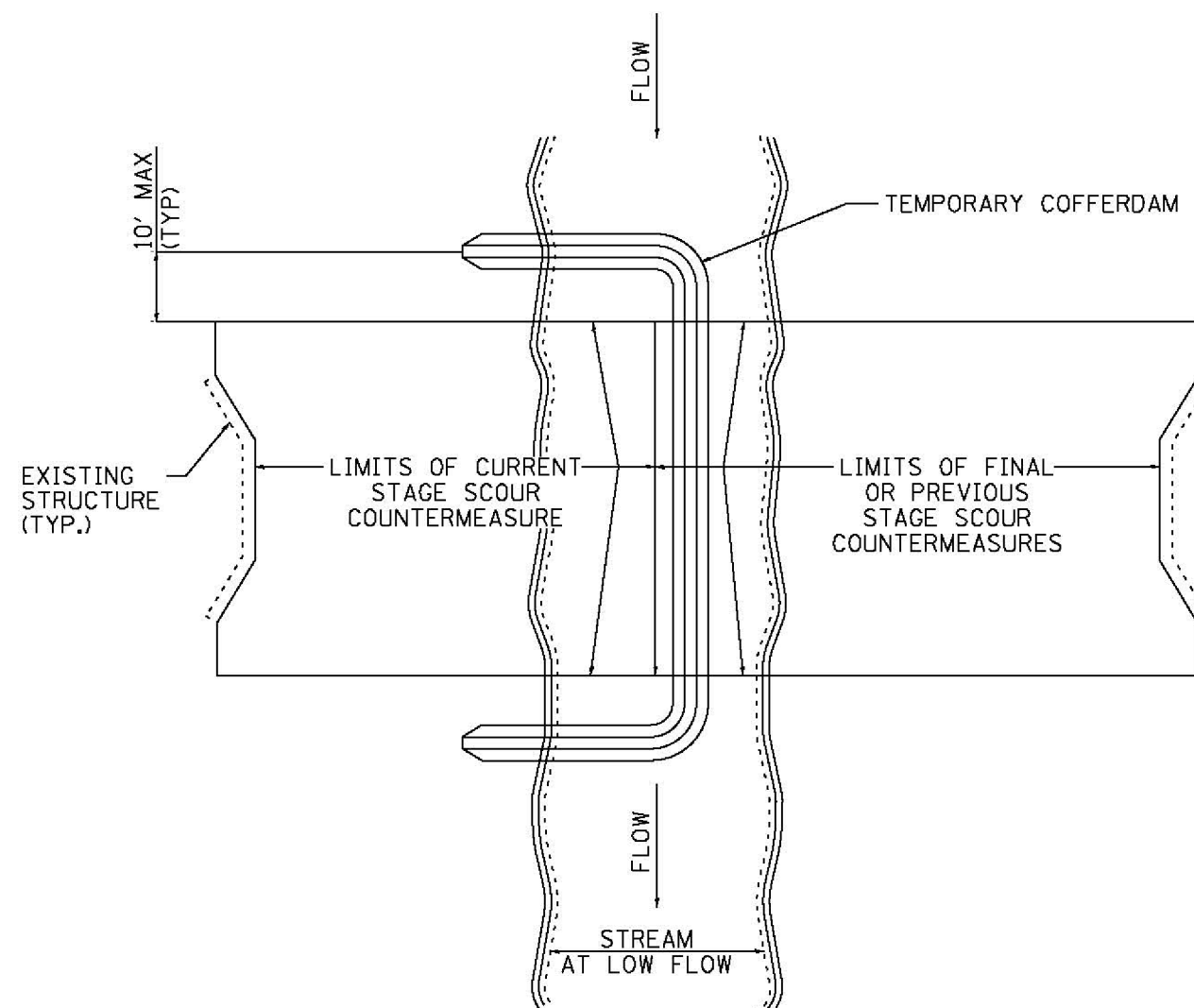


FIGURE D2. STAGED IN-STREAM COFFERDAM DIVISION

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

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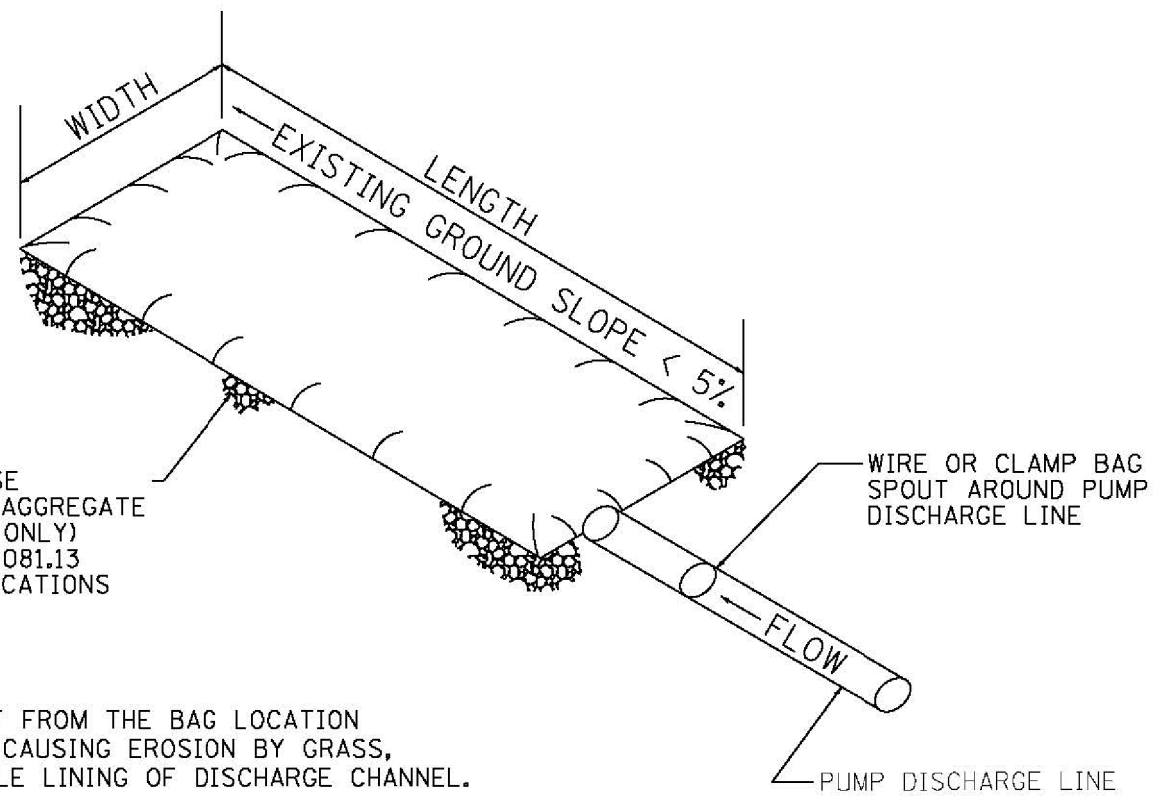
GRÄEF 8501 N. Higgins Road Suite 280
Chicago, Illinois 60631
(773) 399-0112

USER NAME = 1485	DESIGNED -	REVISED -
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PLOT DATE = 3/8/2013	CHECKED -	REVISED -
	DATE - 03/20/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
DEWATERING SYSTEM DETAILS
SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DuPAGE	31	25
* VARIOUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				



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

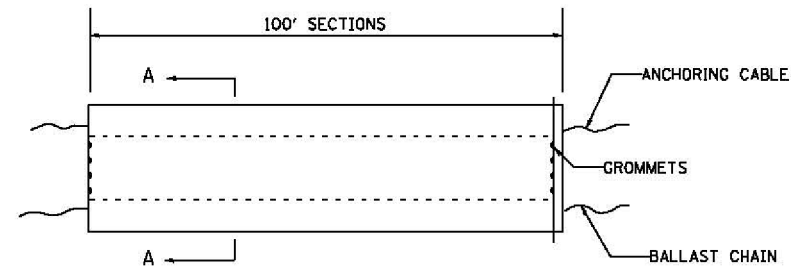
NOTE: DEWATERING SYSTEM DETAILS SHALL BE USED IN CONJUNCTION WITH THE PROJECT SPECIAL PROVISIONS.

FIGURE S1. SEDIMENT FILTER BAG

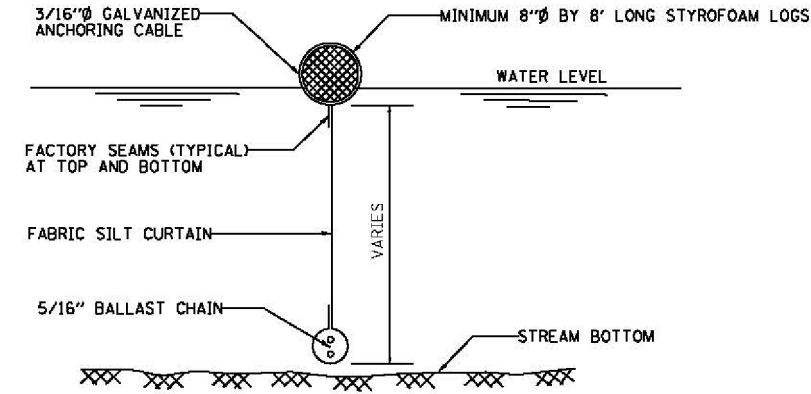
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USER NAME = 1485	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 48.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/8/2013	DATE - 03/20/2013	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DuPAGE	31	26
* VARIOIUS ROUTES			CONTRACT NO. 60T52	
ILLINOIS FED. AID PROJECT				

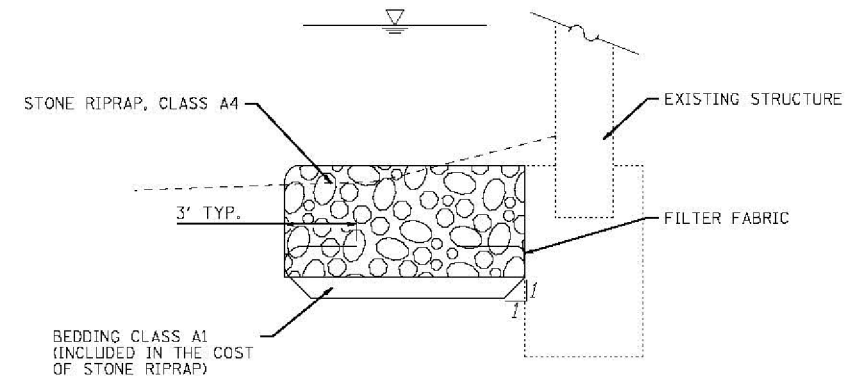


ELEVATION



SECTION A-A

FLOTATION BOOM



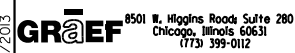
FILTER FABRIC/ RIPRAP DETAIL

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.

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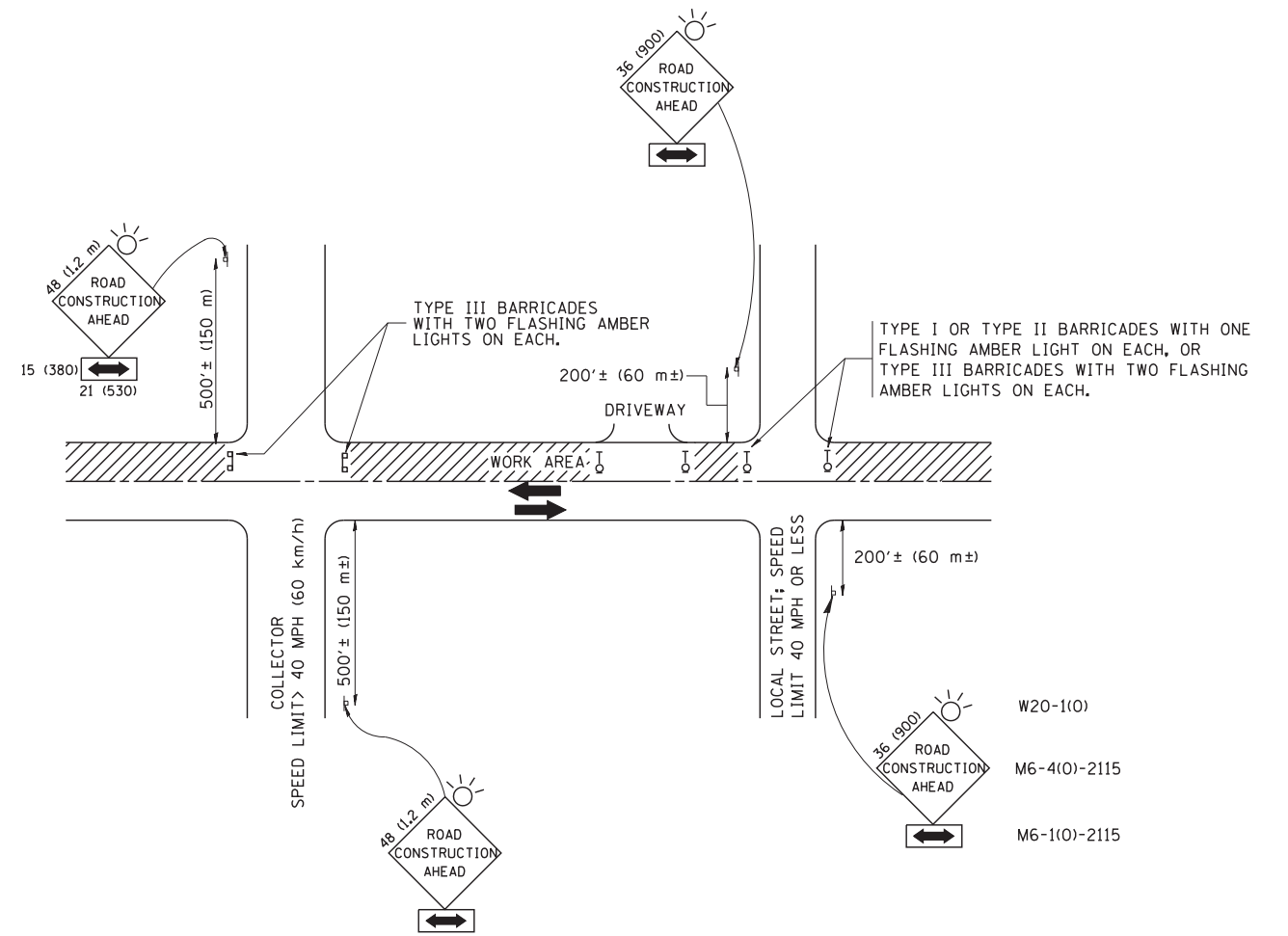
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	DATE - 03/20/2013	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COOK & DuPAGE COUNTY RIP RAP IMPROVEMENTS
DEWATERING SYSTEM DETAILS**

SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006 I	COOK/DuPAGE	31	27
* VARIOUS ROUTES			CONTRACT NO. 60T52	
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.

* VARIOUS ROUTES

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

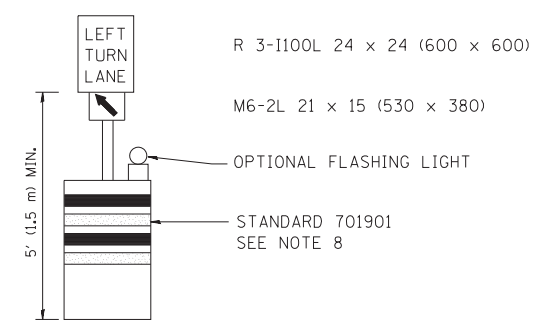
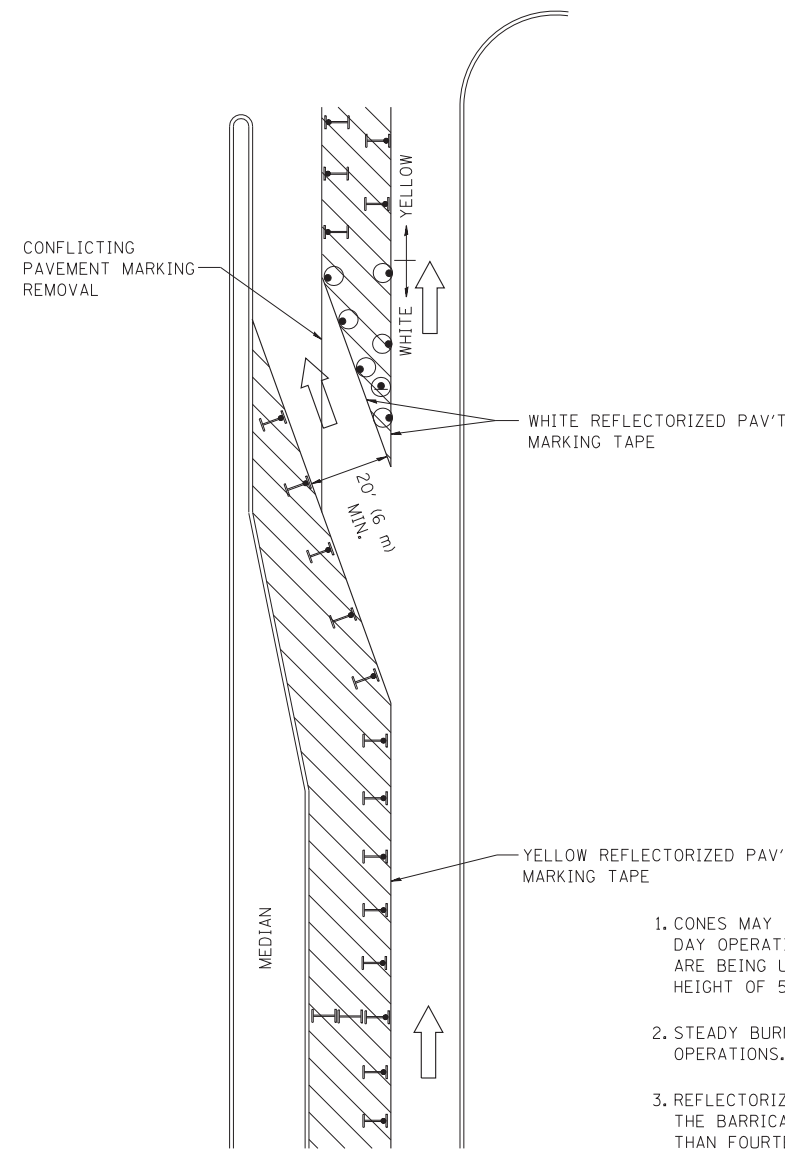
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	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACH 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006I	COOK/DuPAGE	31	28
TC-10			CONTRACT NO. 60T52	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

* VARIOUS ROUTES

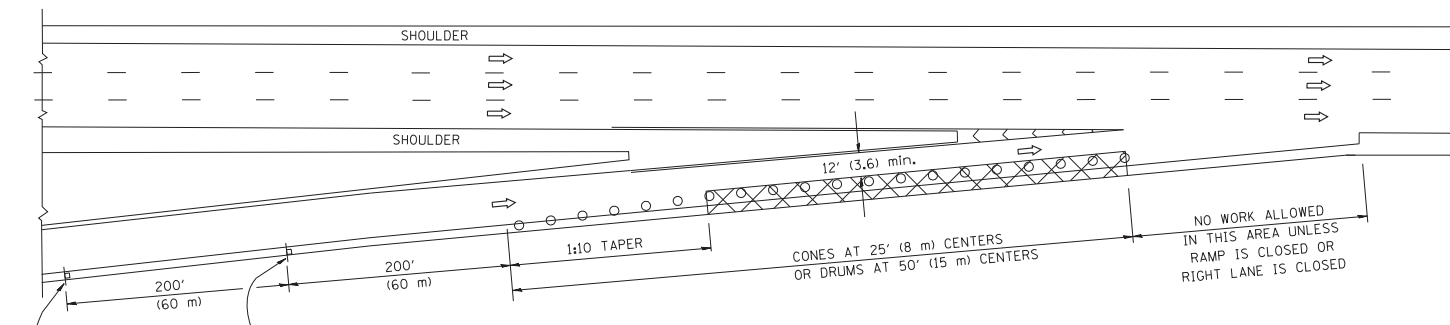
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		REVISED -T. RAMMACHER 01-06-00	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

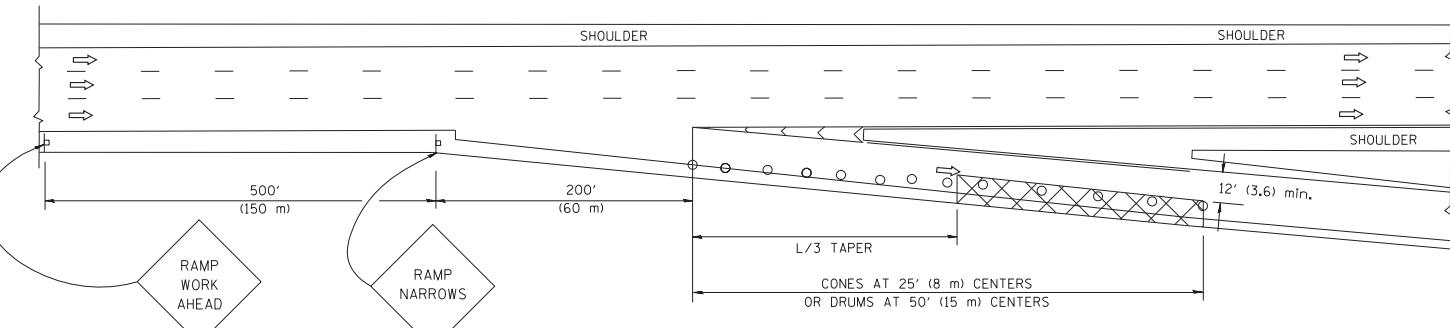
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006I	COOK/DuPAGE	31	29
TC-14			CONTRACT NO.	60T52
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

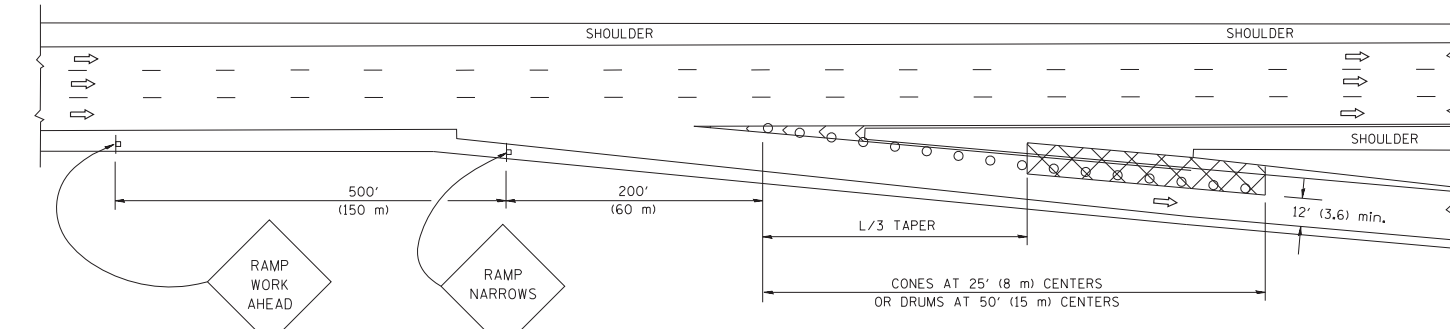
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

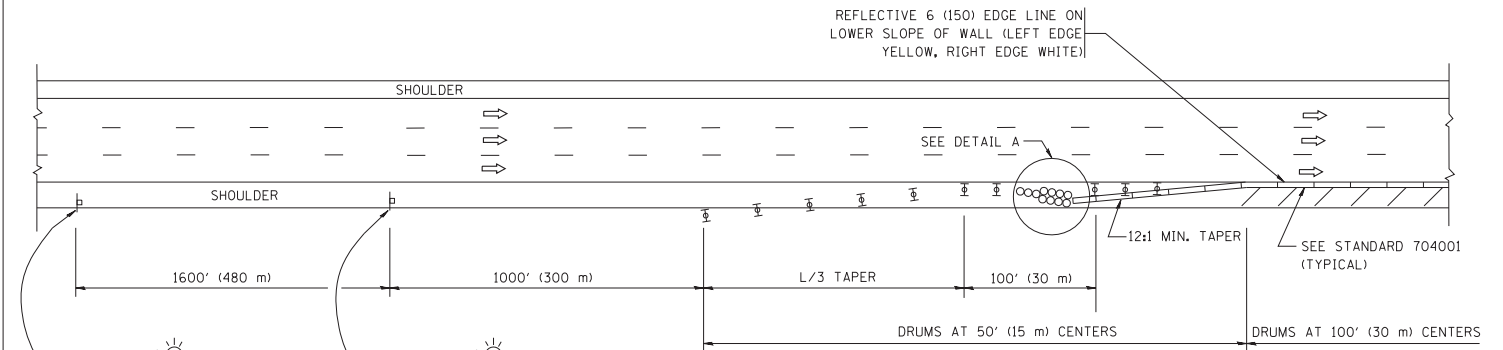
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

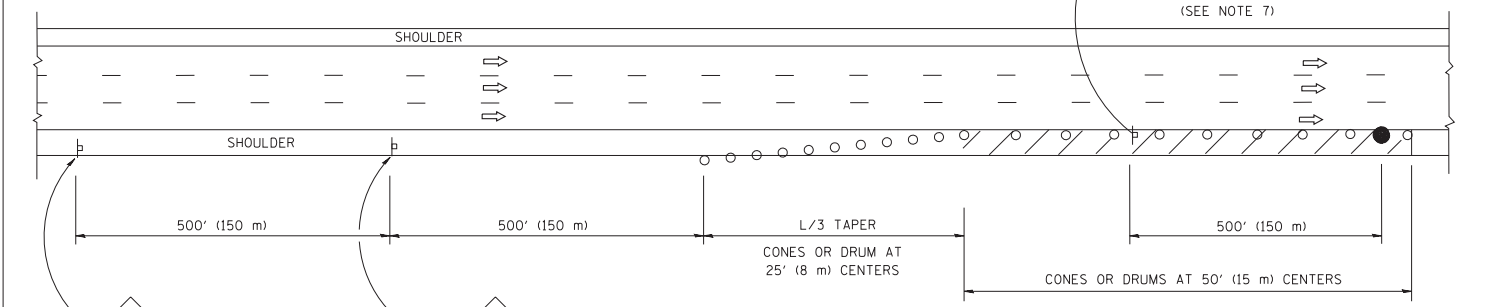
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH L=0.65(W)(S) L=(W)(S)
W = WIDTH OF OFFSET IN FEET (METERS) S = NORMAL POSTED SPEED MPH (KM/H)	
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

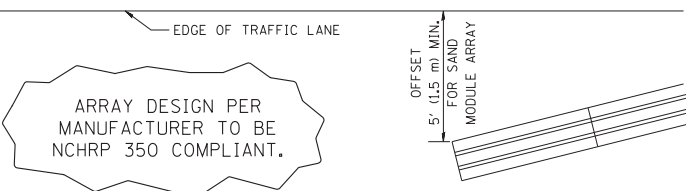


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

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

* VARIOUS ROUTES

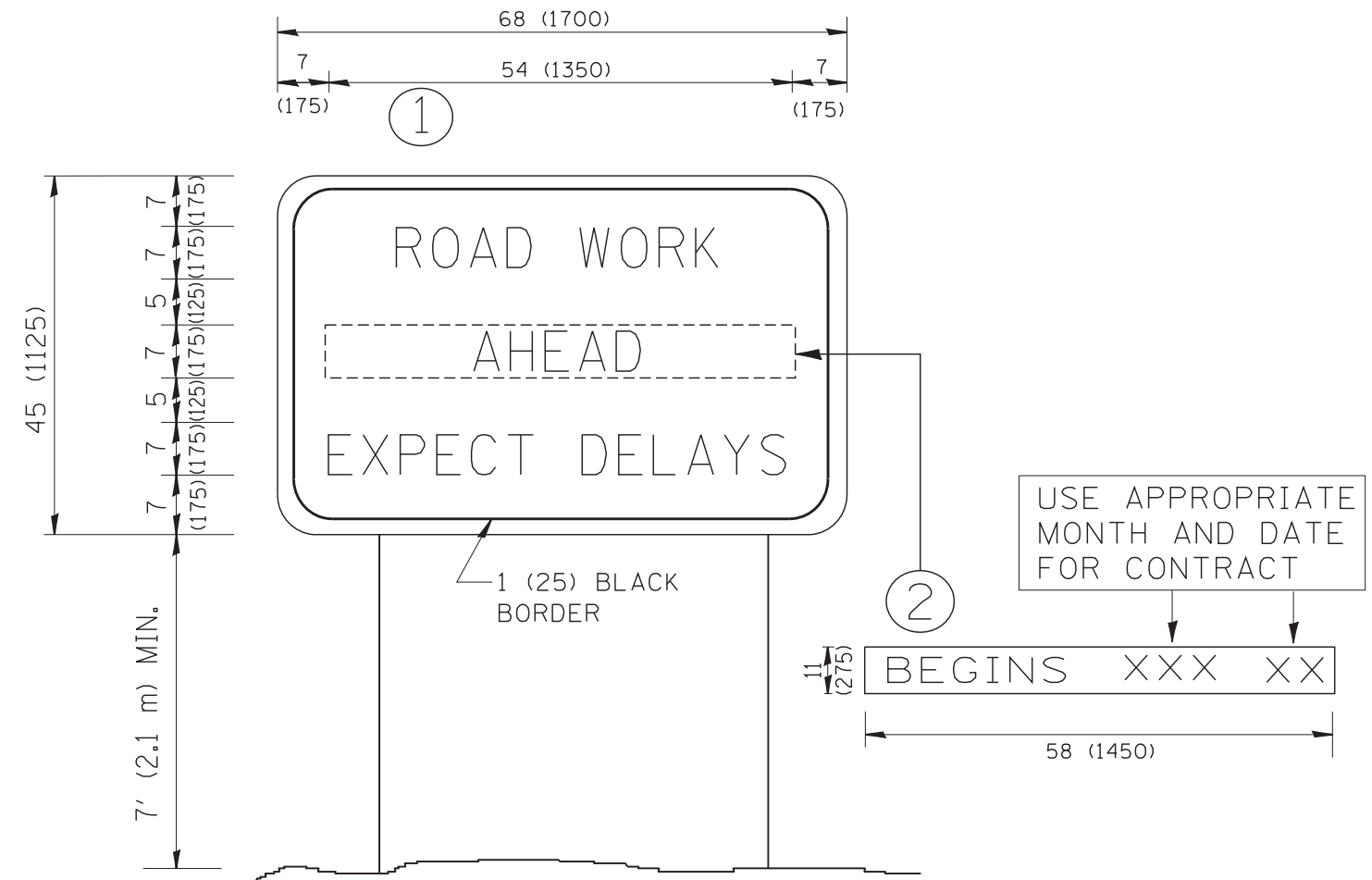
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	PLOT DATE = 1/26/2010	DATE - 11-96	REVISED - S.P.B. 12-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006I	COOK/DuPAGE	31	30
TC-17		CONTRACT NO.	60T52	
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.

* VARIOUS ROUTES

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	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2012-006I	COOK/DuPAGE	31	31
TC-22		CONTRACT NO.	60T52	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				