

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.P. 332, 323, 709 ROUTES U.S. 150/IL 1, U.S. 36, U.S. 136
SECTION: D5 SCOUR MITIGATION 2009-2
EDGAR & VERMILION COUNTIES

C-95-027-09

VARIOUS DISTRICT WIDE SCOUR MITIGATION

S.N. 092-0001 & S.N. 092-0002

F.A.I. 74 (I-74) OVER STONY CREEK

LOCATION #1

S.N. 092-0058

F.A.P. 709 OVER THE MIDDLE FORK OF THE VERMILION RIVER

LOCATION #2

S.N. 092-0033

F.A.P. 332 OVER THE NORTH FORK OF THE VERMILION RIVER

LOCATION #3

S.N. 092-0034

F.A.P. 332 OVER THE NORTH FORK OF THE VERMILION RIVER

LOCATION #4

S.N. 023-0007

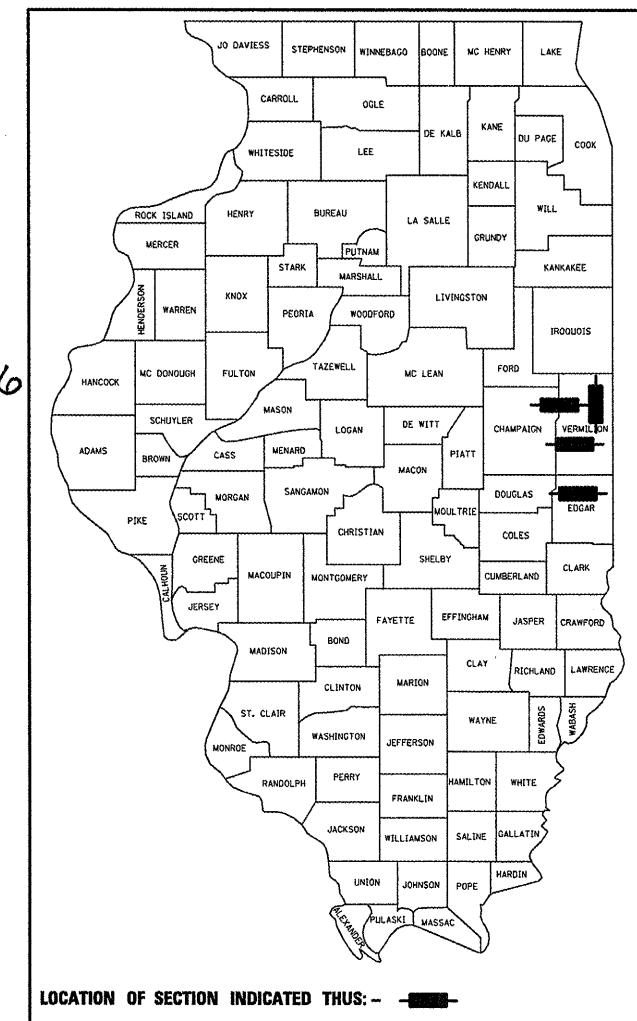
F.A.P. 323 OVER BROUILLETTS CREEK

LOCATION #5

TOTAL LENGTH OF SECTION & PROJECT = N.A.
NET LENGTH OF SECTION & PROJECT = N.A.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	18	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	70713	

* D5 SCOUR MITIGATION 2009-2
** EDGAR & VERMILION
D-95-027-09



FOR LOCATION MAPS SEE SHEET NO. 2, 3, AND 4
FOR INDEX OF SHEETS, SEE SHEET NO. 5
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 6

CURRENT ADT / DESIGN ADT

CURRENT ADT: 23,300 (2007)
- LOCATION #1

CURRENT ADT: 1,900 (2007)
- LOCATION #2

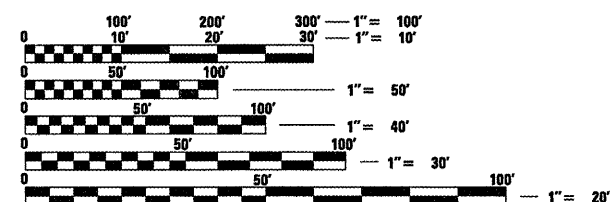
CURRENT ADT: 4,600 (2007)
- LOCATION #3

CURRENT ADT: 5,400 (2007)
- LOCATION #4

CURRENT ADT: 1,550 (2007)
- LOCATION #5

DESIGN DESIGNATION

N.A.



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.

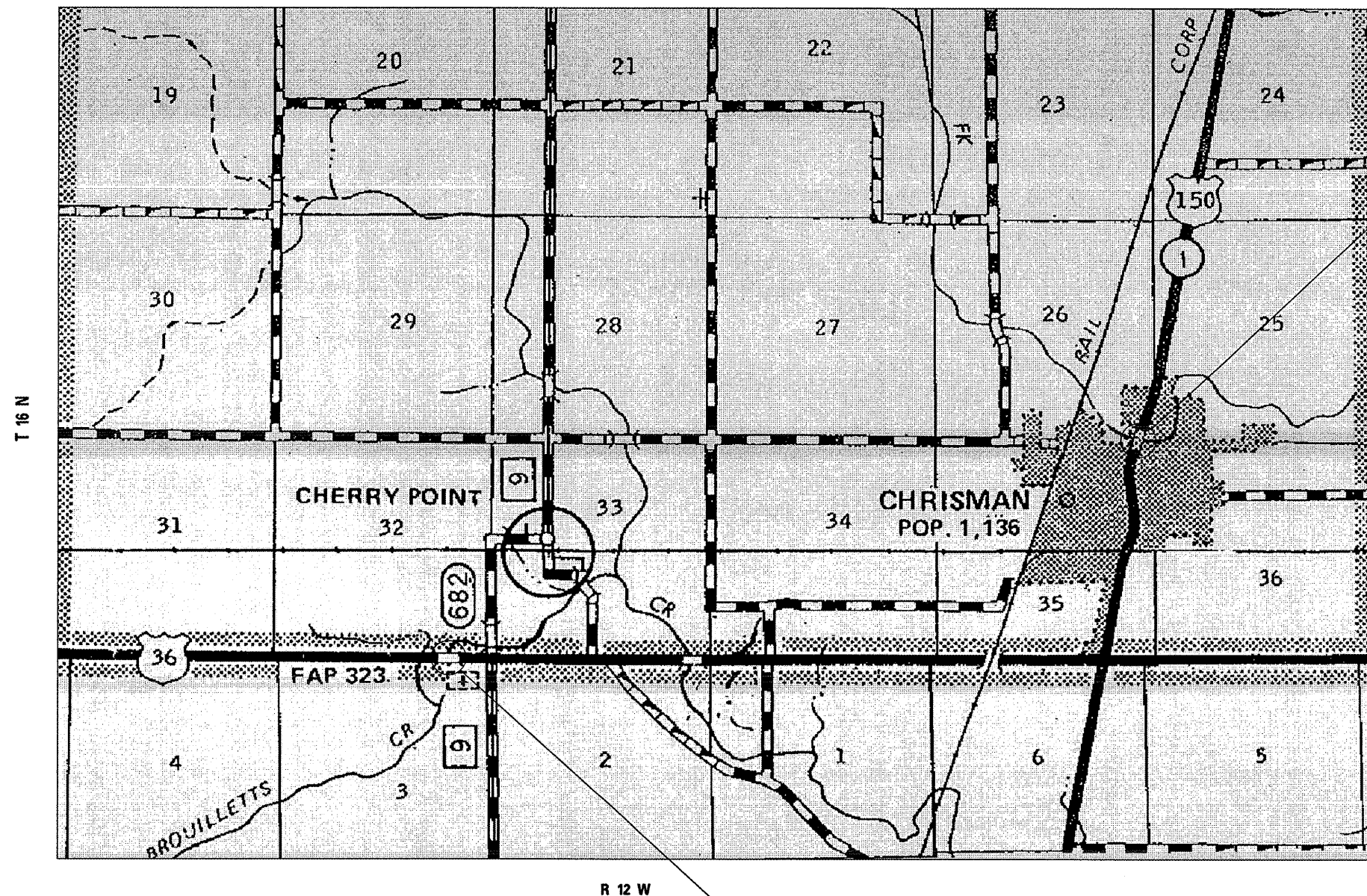
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: TIM BRANDENBURG
SQUAD LEADER: EURNIE D. GARVER
DESIGNER: BRIAN J. HOGAN
CONTRACT NO. 70713

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED 3/11 20 09
May 8, 20 09
DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER
Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT
May 8, 20 09
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

EDGAR COUNTY



SECTION: D5 SCOUR MITIGATION
LOCATION #1

S.N. 023-0003
STATION 274+75.00



SECTION: D5 SCOUR MITIGATION
LOCATION #2

S.N. 023-0007
STATION 1522+86.12

• D5 SCOUR MITIGATION 2009-2
•• EDGAR & VERMILION

FILE NAME =	USER NAME = sjmsgm	DESIGNED - BJH	REVISED -
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	PLOT DATE = 3/18/2009	DATE -	REVISED -

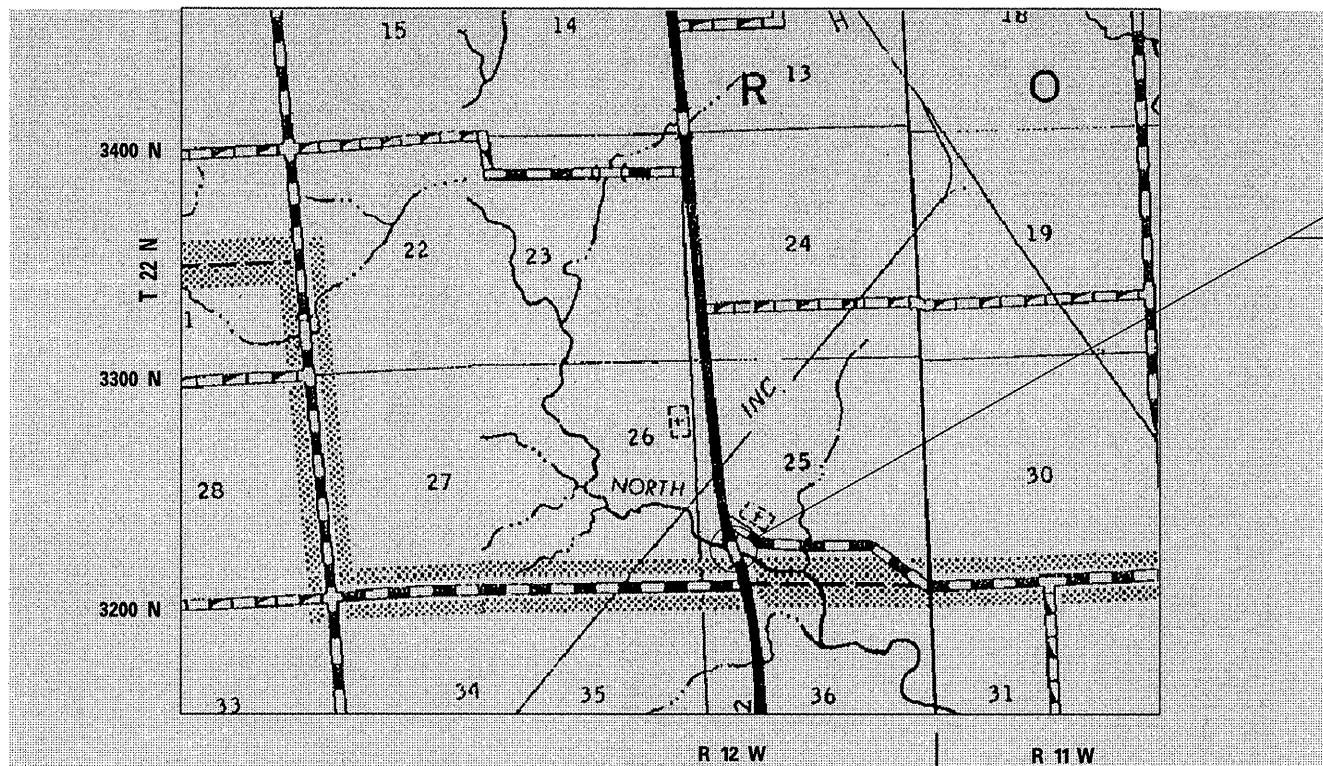
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAP
(LOCATIONS 1 & 2)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	18	2
CONTRACT NO. 70713				
ILLINOIS FED. AID PROJECT				

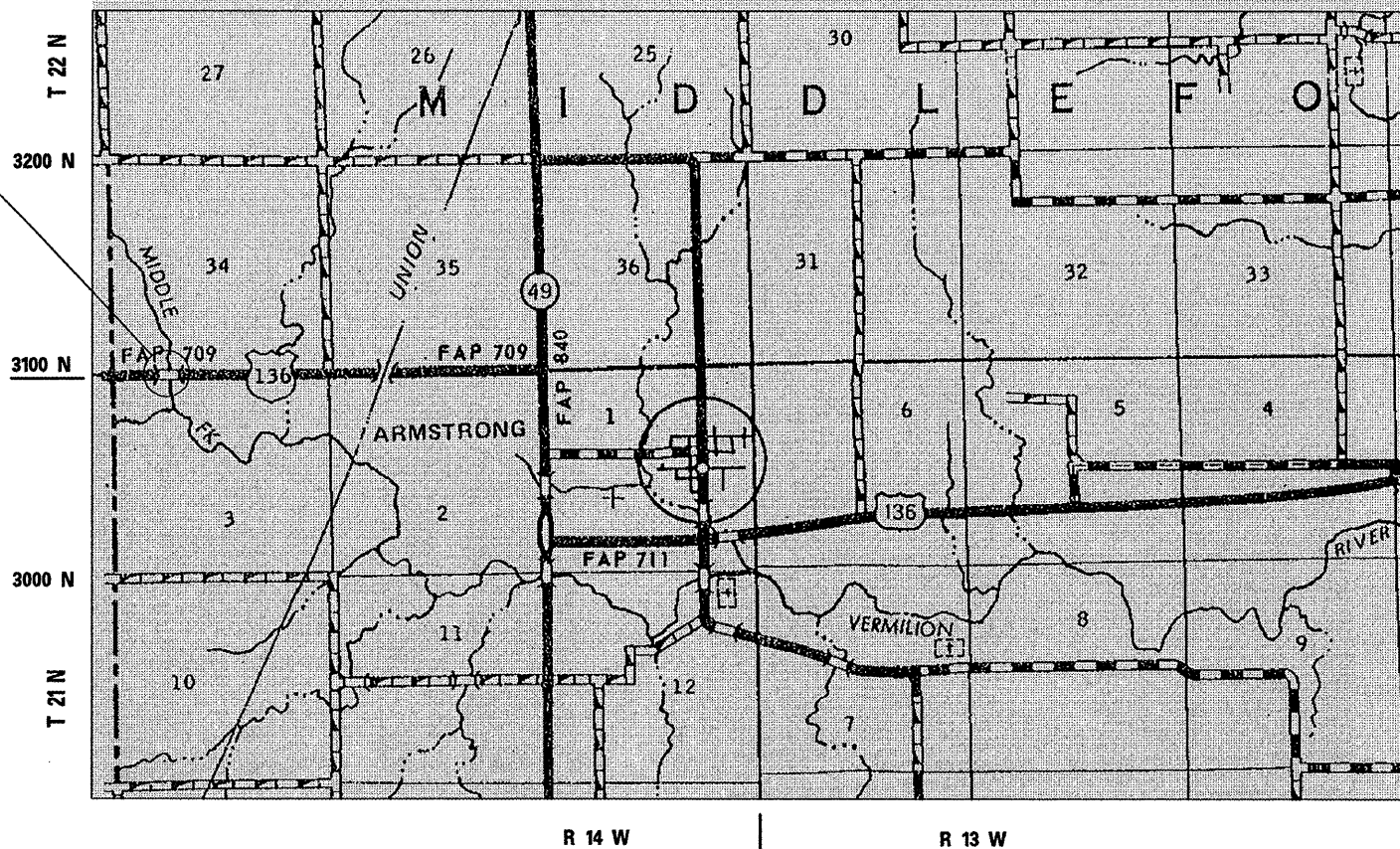
VERMILION COUNTY



SECTION: D5 SCOUR MITIGATION
LOCATION #3

S.N. 092-0034
STATION 622+90.70

VERMILION COUNTY



SECTION: D5 SCOUR MITIGATION
LOCATION #4

S.N. 092-0058
STATION 69+29.83



* D5 SCOUR MITIGATION 2009-2
** EDGAR & VERMILION

FILE NAME =	USER NAME = ssmgmn	DESIGNED - BJH	REVISED -
c:\pw\work\VPWIDOT\SMSGM\0124620\d570	13-plandgn	DRAWN - GMS	REVISED -
	PLOT SCALE = 40,0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LOCATION MAPS
(LOCATIONS 3 & 4)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	18	3
CONTRACT NO. 70713				
ILLINOIS FED. AID PROJECT				

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	LOCATION MAPS (LOCATIONS 1 & 2)
3	LOCATION MAPS (LOCATIONS 3 & 4)
4	INDEX OF SHEETS
4	LIST OF STANDARDS
4	GENERAL NOTES
5	SUMMARY OF QUANTITIES
6	PLAN SHEET 023-0003
7	PROFILE SHEET S.N. 023-0003
8	PLAN SHEET 023-0007
9	PROFILE SHEET S.N. 023-0007
10	PLAN SHEET S.N. 092-0034
11	PROFILE SHEET S.N. 092-0034 AT UPSTREAM FACE
12	PROFILE SHEET S.N. 092-0034 UNDER CENTER OF BRIDGE
13	PROFILE SHEET S.N. 092-0034 AT DOWNSTREAM FACE
14	PLAN SHEET S.N. 092-0058
15	PROFILE SHEET S.N. 092-0058 AT UPSTREAM FACE
16	PROFILE SHEET S.N. 092-0058 UNDER CENTER OF BRIDGE
17	PROFILE SHEET S.N. 092-0058 AT DOWNSTREAM FACE
18	RIPRAP DETAILS AT EDGE OF FLOWLINE AND UPSTREAM EDGE

LIST OF HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5 m (15') AWAY
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701101-02	OFF-ROAD OPERATIONS, MULTILANE, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5 m (15') AWAY
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS GREATER THAN OR EQUAL TO 45 MPH
701901-01	TRAFFIC CONTROL DEVICES

701501-05

GENERAL NOTES

GENERAL NOTES

G.N.-100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-107.31
UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800)892-0123 OR 811.

G.N.-201
TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS.

G.N.-281
THE RIPRAP GRADATION SHALL BE IN ACCORDANCE WITH THE GRADATION SPECIFIED IN THE PLANS OR, WITH APPROVAL OF THE ENGINEER, A RIPRAP GRADATION MEETING A D50 GREATER THAN OR EQUAL TO 1.1 FEET FOR A5 RIPRAP AND A RIPRAP GRADATION MEETING A D50 GREATER THAN OR EQUAL TO 0.8 FEET FOR A4 RIPRAP. D50 IS DEFINED AS THE MEAN ROCK SIZE AS DESCRIBED IN THE FHWA HYDRAULIC ENGINEERING CIRCULARS (HEC 11, HEC 14 AND HEC 15).

IF GRAVEL IS USED FOR THE BEDDING MATERIAL UNDER RIPRAP, THE GRAVEL SHALL BE CRUSHED AS ALLOWED UNDER ARTICLE 1005.01.

G.N.-281 (SPECIAL)
RIPRAP TONAGE WAS ESTIMATED USING THE FOLLOWING FORMULA
CU. YD. RIPRAP X 1.5 TON/CY = ESTIMATED TONS
BEDDING TONAGE WAS ESTIMATED USING THE FOLLOWING FORMULA
CU. YD. BEDDING X 1.8 TON/CY = ESTIMATED TONS

• D5 SCOUR MITIGATION 2009-2
•• EDGAR & VERMILION

FILE NAME =	USER NAME = ssmgmn	DESIGNED - BJH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, LIST OF STANDARDS & GENERAL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 3/18/2009	DATE -	REVISED -		SHEET NO. OF SHEETS STA. TO STA.					
										CONTRACT NO. 70713
										ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

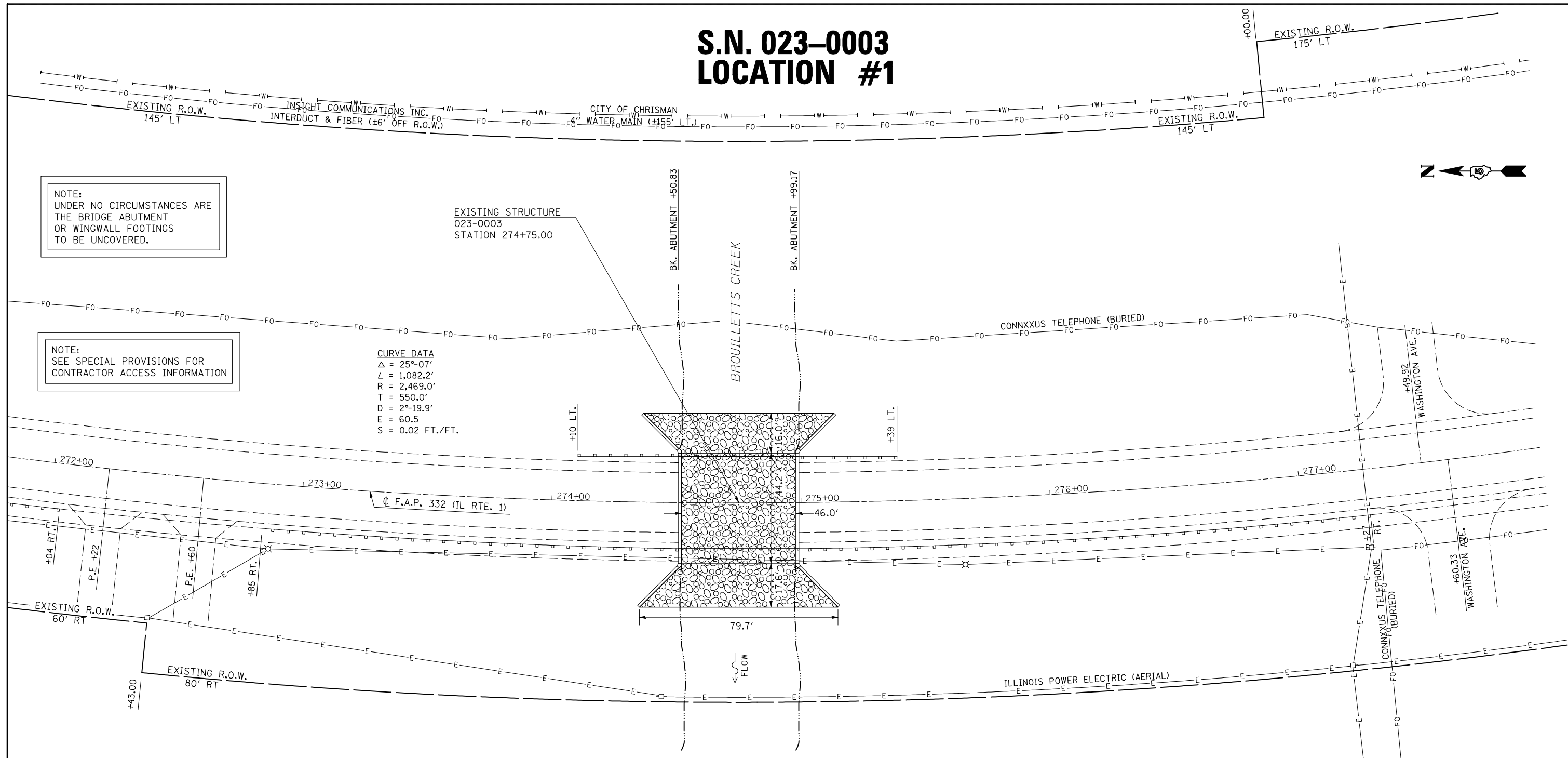
U.S. 150	U.S. 36	IL 1	U.S. 136
F.A.P. 332 EDGAR CO.	F.A.P. 323 EDGAR CO.	F.A.P. 332 VERMILION CO.	F.A.P. 709 VERMILION CO.
RURAL TWO LANE 100% STATE MINOR STRUCTURE REPAIR	RURAL TWO LANE 100% STATE MINOR STRUCTURE REPAIR	RURAL TWO LANE 100% STATE MINOR STRUCTURE REPAIR	RURAL TWO LANE 100% STATE MINOR STRUCTURE REPAIR
SFTY-2A S.N. 023-0003	SFTY-2A S.N. 023-0007	SFTY-2A S.N. 092-0034	SFTY-2A S.N. 092-0058

CODE NO	ITEM	UNIT	TOTAL QUANTITY	LOCATION #1	LOCATION #2	LOCATION #3	LOCATION #4
28100107	STONE RIPRAP, CLASS A4	SQ YD	3330.0	475.0	420.0	1110.0	1325.0
28200200	FILTER FABRIC	SQ YD	3330.0	475.0	420.0	1110.0	1325.0
67100100	MOBILIZATION	L SUM	1.0	0.25	0.25	0.25	0.25
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	0.0	0.3	0.3	0.4
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1.0	1.0	0.0	0.0	0.0

• D5 SCOUR MITIGATION 2009-2
 ** EDGAR & VERMILION

FILE NAME =	USER NAME = s1msgm	DESIGNED - BJH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -		SCALE:	SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 70713		
	PLOT DATE = 3/18/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

S.N. 023-0003 LOCATION #1



NOTE:
UNDER NO CIRCUMSTANCES ARE
THE BRIDGE ABUTMENT
OR WINGWALL FOOTINGS
TO BE UNCOVERED.


NOTE:
SEE SPECIAL PROVISIONS FOR
CONTRACTOR ACCESS INFORMATION

CURVE DATA
 $\Delta = 25^{\circ}07'$
 $L = 1,082.2'$
 $R = 2,469.0'$
 $T = 550.0'$
 $D = 2^{\circ}19.9'$
 $E = 60.5$
 $S = 0.02 \text{ FT./FT.}$

SCOUR REPAIR SCHEDULE

LOCATION	FILTER FABRIC AREA (SY)	REPAIR AREA (SY)	TYPE OF REPAIR	RIPRAP THICKNESS (IN)	BEDDING THICKNESS (IN)	RIPRAP ESTIMATED (TONS)	BEDDING ESTIMATED (TONS)
MAIN CHANNEL	475.0	475.0	A4	18.0	6.0	400.0	150.0

LEGEND

 STONE RIPRAP,
CLASS A4, 18"
(WITH 6" BEDDING
STONE AND FILTER
FABRIC)

• D5 SCOUR MITIGATION 2009-2
 ** EDGAR & VERMILION

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		DRAWN - GMS	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 6/26/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
S.N. 023-0003

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	18	6
CONTRACT NO. 70713				
ILLINOIS FED. AID PROJECT				

638

636

634

632

630

628

626

624

622

620

618

616

614

612

610

608

606

604

602

600

CENTERLINE ELEVATIONS

635.44

635.10

634.76

634.42

634.01

633.60

633.18

632.77

632.45

632.14

631.82

631.51

631.39

631.27

631.15

631.03

631.11

631.19

631.27

631.35

631.63

631.90

272+00

272+50

273+00

273+50

274+00

274+50

275+00

275+50

276+00

276+50

277+00

277+50

PLAN	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CAD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CAD FILE NAME	

O.H.W.M. 616.0 FT.



ELEV. 611.19

4'-0" TYP.

PROPOSED AND ORIGINAL FLOW LINE ELEVATION 615.23

18" STONE RIPRAP, CLASS A4

6" BEDDING STONE AND FILTER FABRIC

ELEV. 610.73

2'-0" TYP.

EXISTING C GRADE FAP 332 (IL-1)

EXISTING LOW BEAM GRADE

EXISTING CHANNEL GRADE

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PROFILE SHEET S.N. 023-0003

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		GMS	
		CHECKED -	REVISED -
		DATE -	REVISED -

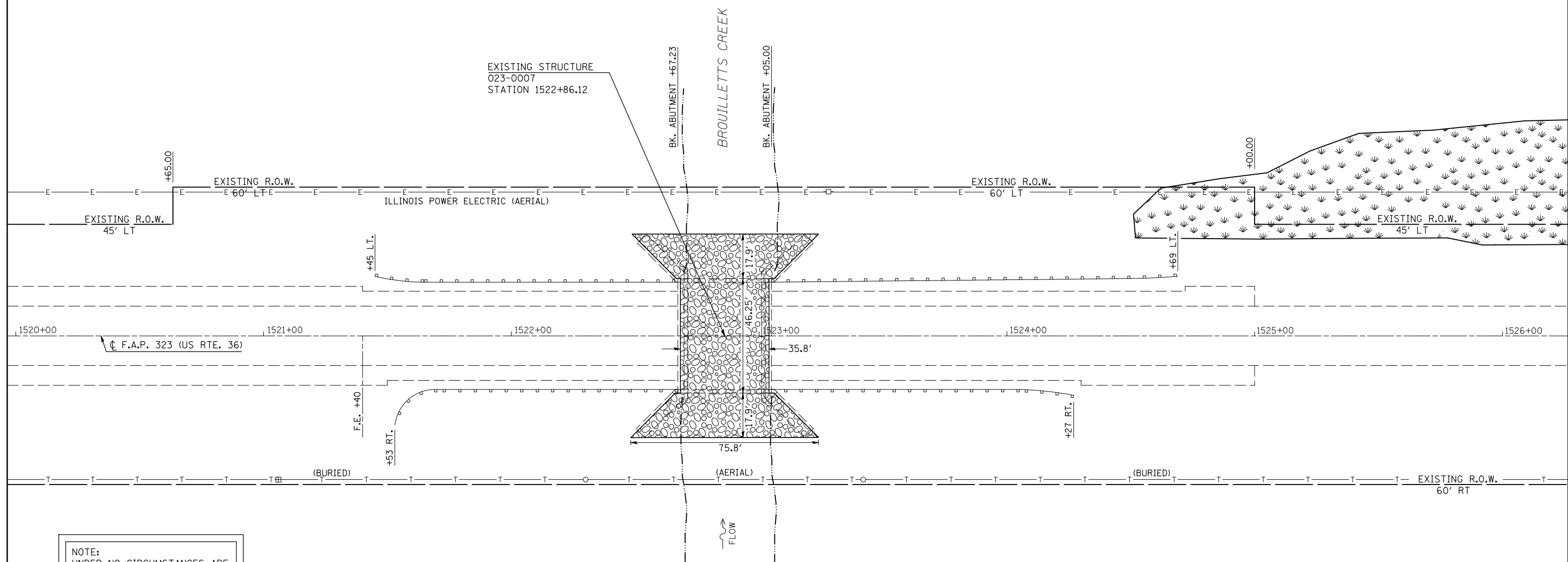
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				CONTRACT NO. 70713
ILLINOIS FED. AID PROJECT				

* D5 SCOUR MITIGATION 2009-2
** EDGAR & VERMILION

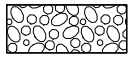

NOTE:
WETLAND LOCATIONS HAVE BEEN PLACED ACCORDING TO THE WETLAND DELINEATION REPORT RECEIVED ON JUNE 4, 2009 FROM THE ILLINOIS NATURAL HISTORY SURVEY. CONTRACTOR ACCESS IS RESTRICTED TO NON-WETLAND AREAS ONLY AT THIS SITE.

S.N. 023-0007 LOCATION #2



NOTE:
UNDER NO CIRCUMSTANCES ARE THE BRIDGE ABUTMENT OR WINGWALL FOOTINGS TO BE UNCOVERED.

LEGEND

-  STONE RIPRAP, CLASS A4, 25" (WITH 6" BEDDING STONE AND FILTER FABRIC)
-  WET MEADOW (PER ILLINOIS NATURAL HISTORY SURVEY)

SCOUR REPAIR SCHEDULE

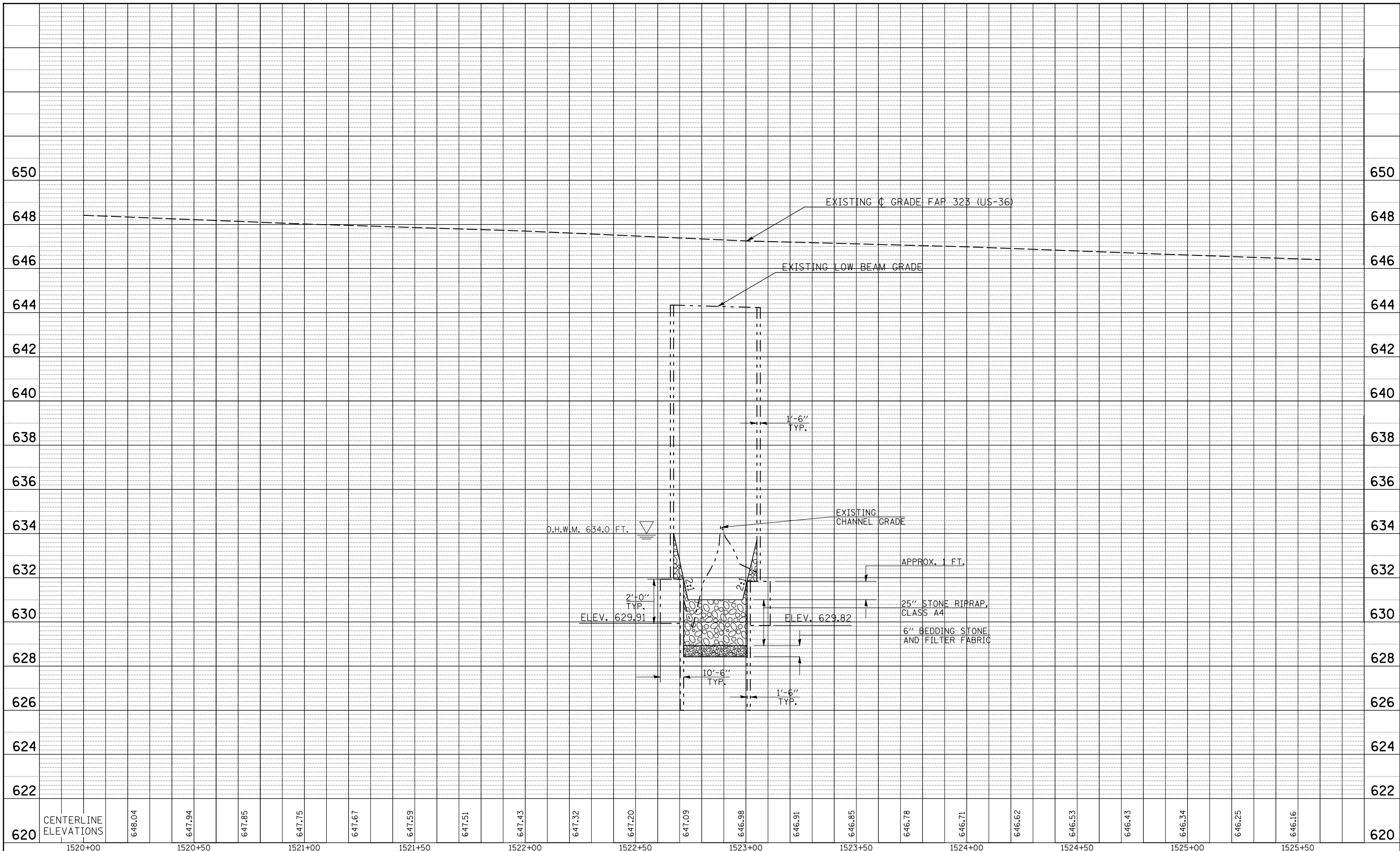
LOCATION	FILTER FABRIC AREA (SY)	REPAIR AREA (SY)	TYPE OF REPAIR	RIPRAP THICKNESS (IN)	BEDDING THICKNESS (IN)	RIPRAP ESTIMATED (TONS)	BEDDING ESTIMATED (TONS)
MAIN CHANNEL	420.0	420.0	A4	25.0	6.0	470.0	126.0



* D5 SCOUR MITIGATION 2009-2
** EDGAR & VERMILION

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATION CHKD		
	NOTE BOOK NO.		
	CHECKED		
	AT		
	FORMER		
	NO.		
	CAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATION CHKD		
	NOTE BOOK NO.		
	CHECKED		
	AT		
	FORMER		
	NO.		
	CAD FILE NAME		



620 CENTERLINE ELEVATIONS 648.04 647.94 647.85 647.75 647.67 647.59 647.51 647.43 647.32 647.20 647.09 646.98 646.91 646.85 646.78 646.71 646.62 646.53 646.43 646.34 646.25 646.16 620

1520+00 1520+50 1521+00 1521+50 1522+00 1522+50 1523+00 1523+50 1524+00 1524+50 1525+00 1525+50

* D5 SCOUR MITIGATION 2009-2
 ** EDGAR & VERMILION

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	PLOT DATE = 6/26/2009	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

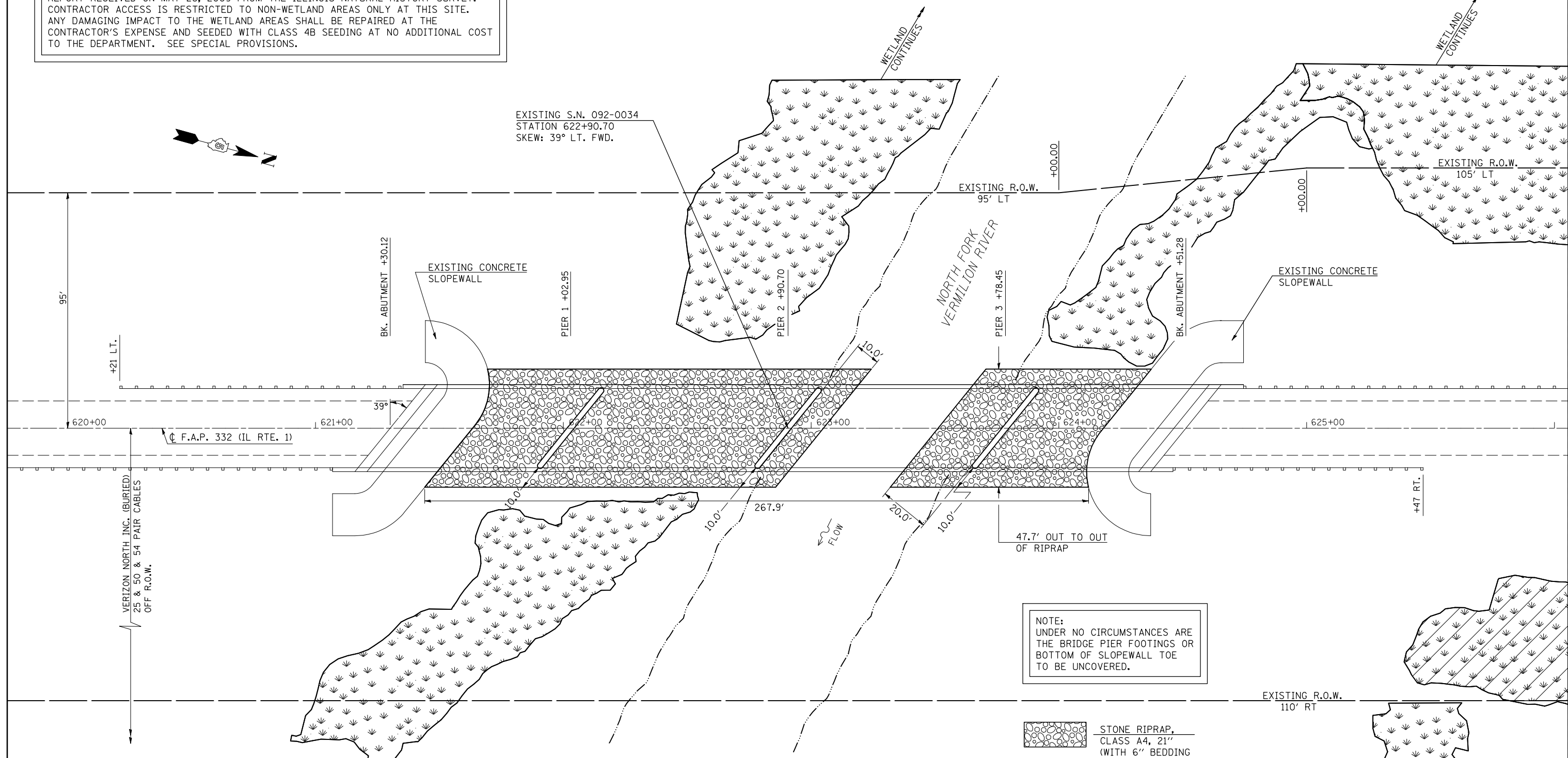
**PROFILE SHEET
 S.N. 023-0007**

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

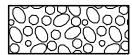


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	18	9
				CONTRACT NO. 70713
ILLINOIS FED. AID PROJECT				

S.N. 092-0034 LOCATION #3

NOTE:
WETLAND LOCATIONS HAVE BEEN PLACED ACCORDING TO THE WETLAND DELINEATION REPORT RECEIVED ON MAY 28, 2009 FROM THE ILLINOIS NATURAL HISTORY SURVEY. CONTRACTOR ACCESS IS RESTRICTED TO NON-WETLAND AREAS ONLY AT THIS SITE. ANY DAMAGING IMPACT TO THE WETLAND AREAS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND SEEDED WITH CLASS 4B SEEDING AT NO ADDITIONAL COST TO THE DEPARTMENT. SEE SPECIAL PROVISIONS.



NOTE:
UNDER NO CIRCUMSTANCES ARE THE BRIDGE PIER FOOTINGS OR BOTTOM OF SLOPEWALL TOE TO BE UNCOVERED.

-  STONE RIPRAP, CLASS A4, 21" (WITH 6" BEDDING STONE AND FILTER FABRIC)
-  FORESTED, BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED WETLAND (PER NATIONAL WETLANDS INVENTORY)
-  EXCAVATED, DIKED/IMPOUNDED, OPEN WATER WETLAND (PER NATIONAL WETLANDS INVENTORY)



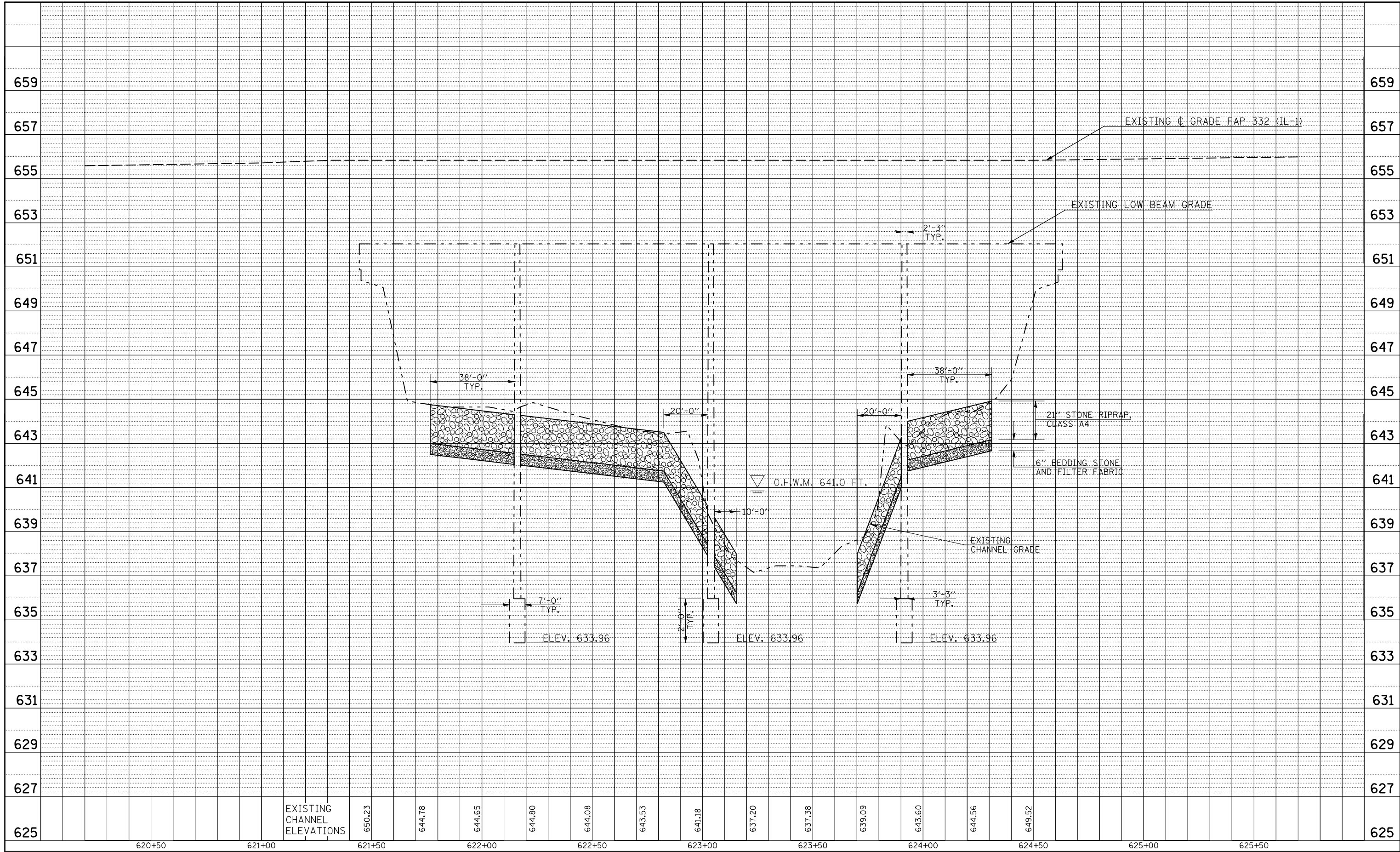
SCOUR REPAIR SCHEDULE

LOCATION	FILTER FABRIC AREA (SY)	REPAIR AREA (SY)	TYPE OF REPAIR	RIPRAP THICKNESS (IN)	BEDDING THICKNESS (IN)	RIPRAP ESTIMATED (TONS)	BEDDING ESTIMATED (TONS)
SOUTH END	750.0	750.0	A4	21.0	6.0	720.0	225.0
NORTH END	360.0	360.0	A4	21.0	6.0	345.0	108.0

* D5 SCOUR MITIGATION 2009-2
** EDGAR & VERMILION

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATION CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATION CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



• D5 SCOUR MITIGATION 2009-2
 ** EDGAR & VERMILION

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PLOT DATE = 6/26/2009	

DESIGNED -	BJH	REVISED -	
DRAWN -	GMS	REVISED -	
CHECKED -		REVISED -	
DATE -		REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

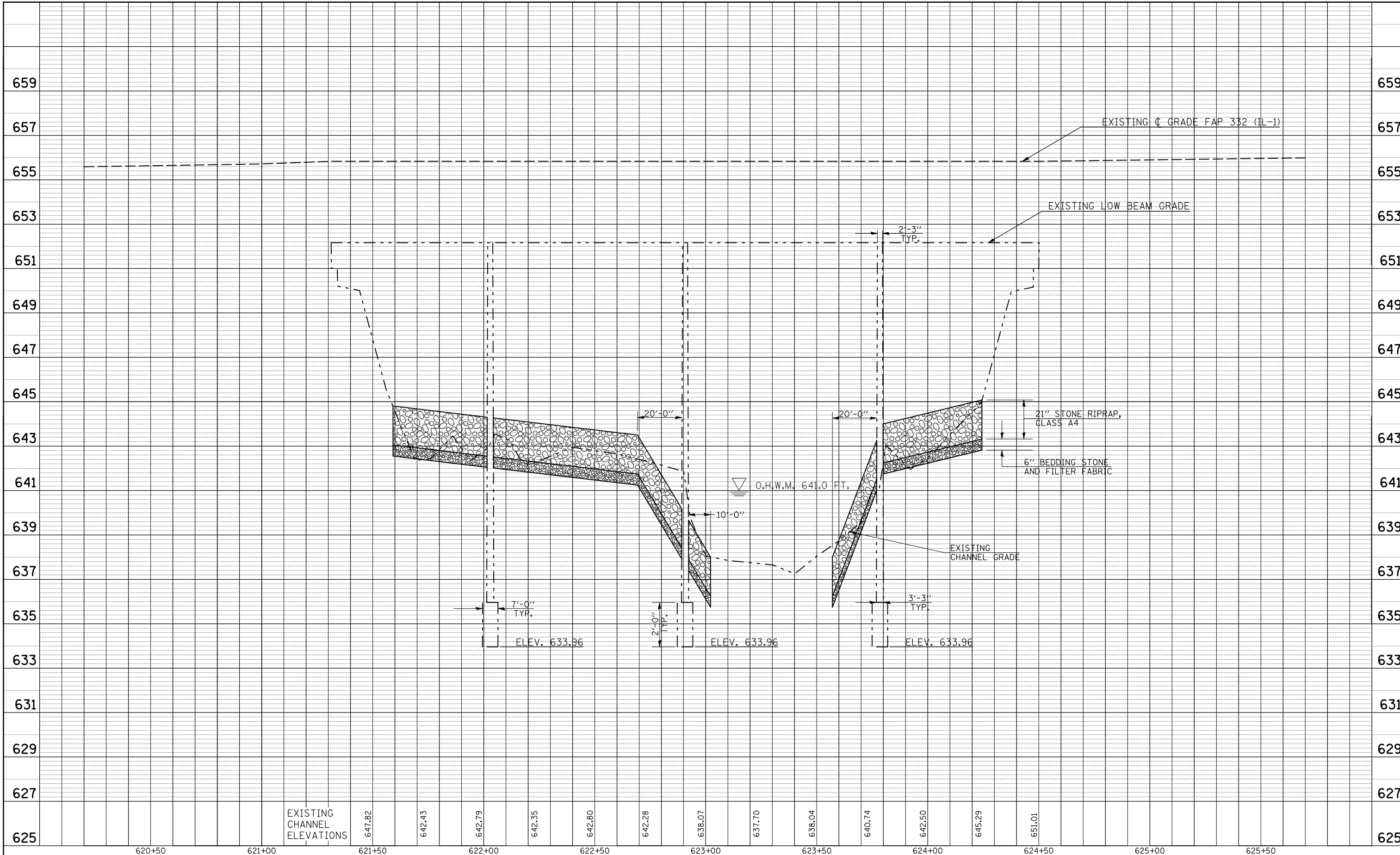
**PROFILE SHEET S.N. 092-0034
 AT UPSTREAM FACE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	18	11
			CONTRACT NO. 70713	
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



* D5 SCOUR MITIGATION 2009-2
 ** EDGAR & VERMILION

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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 6/26/2009		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

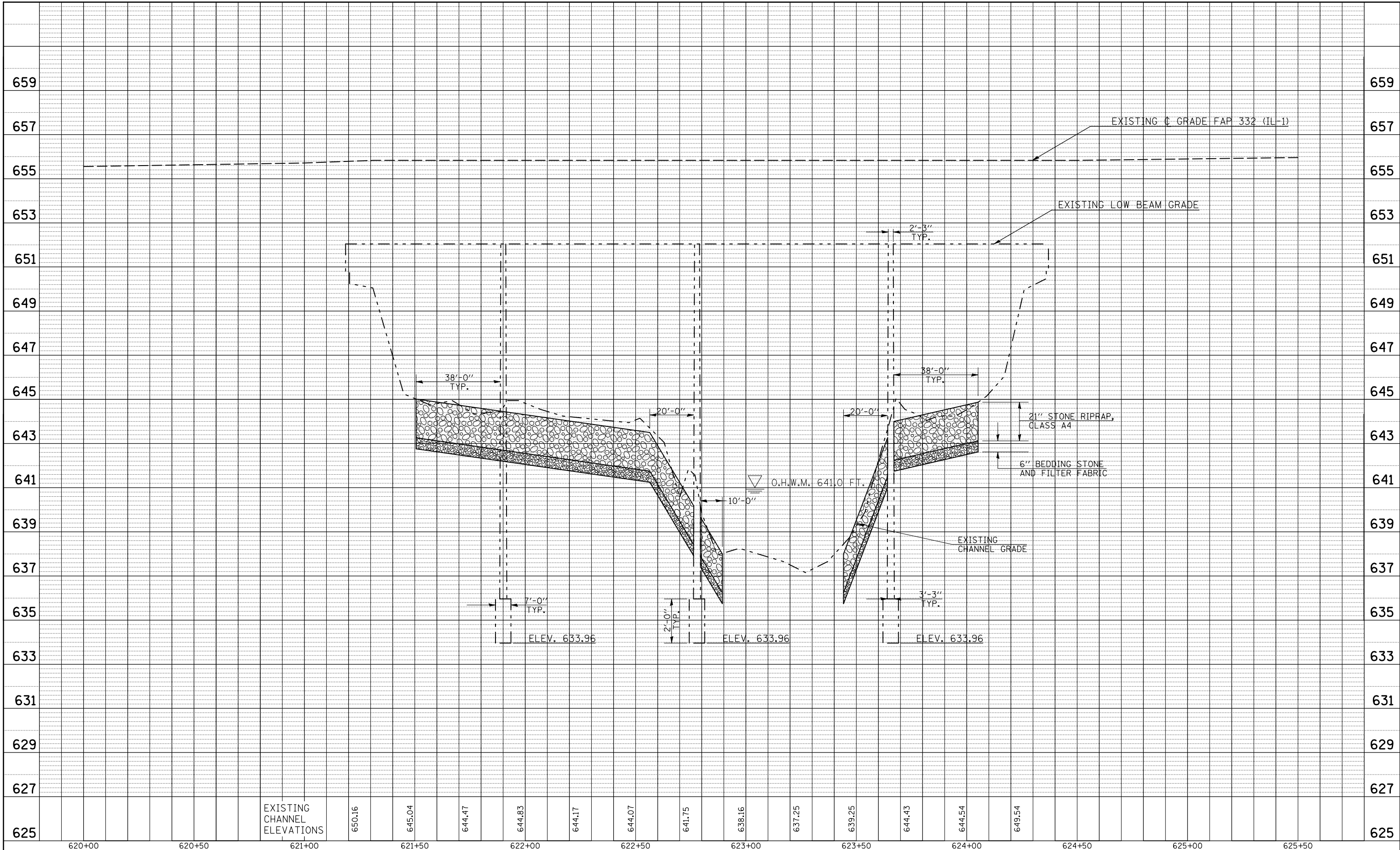
**PROFILE SHEET S.N. 092-0034
 UNDER CENTER OF BRIDGE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	18	12
				CONTRACT NO. 70713
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATION CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATION CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



EXISTING CHANNEL ELEVATIONS

650.16 645.04 644.47 644.83 644.17 644.07 641.75 638.16 637.25 639.25 644.43 644.54 649.54

• D5 SCOUR MITIGATION 2009-2
 ** EDGAR & VERMILION

FILE NAME =	USER NAME = smsgm	DESIGNED - BJH	REVISED -
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 6/26/2009	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

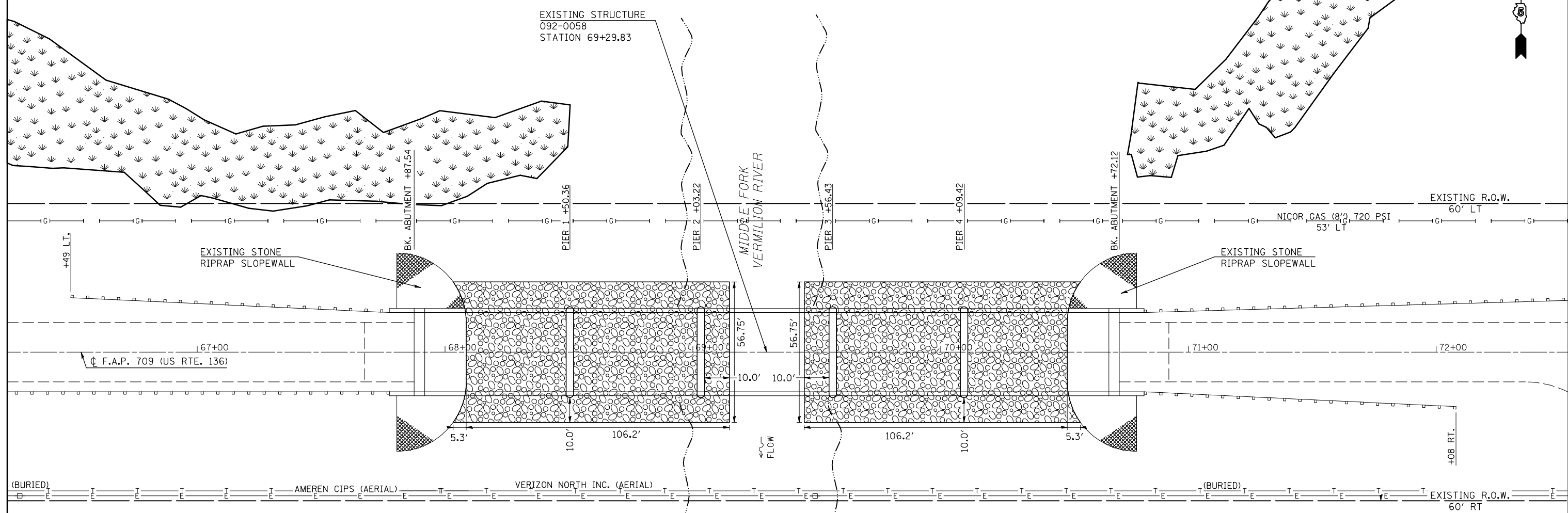
**PROFILE SHEET S.N. 092-0034
 AT DOWNSTREAM FACE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	18	13
				CONTRACT NO. 70713
ILLINOIS FED. AID PROJECT				

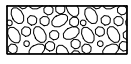

NOTE:
WETLAND LOCATIONS HAVE BEEN PLACED ACCORDING TO THE WETLAND DELINEATION REPORT RECEIVED ON MAY 29, 2009 FROM THE ILLINOIS NATURAL HISTORY SURVEY. CONTRACTOR ACCESS IS RESTRICTED TO NON-WETLAND AREAS ONLY AT THIS SITE.

S.N. 092-0058 LOCATION #4



NOTE:
UNDER NO CIRCUMSTANCES ARE THE BRIDGE PIER FOOTINGS OR BOTTOM OF SLOPEWALL TOE TO BE UNCOVERED.

LEGEND

-  STONE RIPRAP, CLASS A4, 26" (WITH 6" BEDDING STONE AND FILTER FABRIC)
-  PALUSTRINE, FORESTED, BROAD-LEAVED DECIDUOUS, SEASONALLY FLOODED WETLAND (PER NATIONAL WETLANDS INVENTORY)

SCOUR REPAIR SCHEDULE

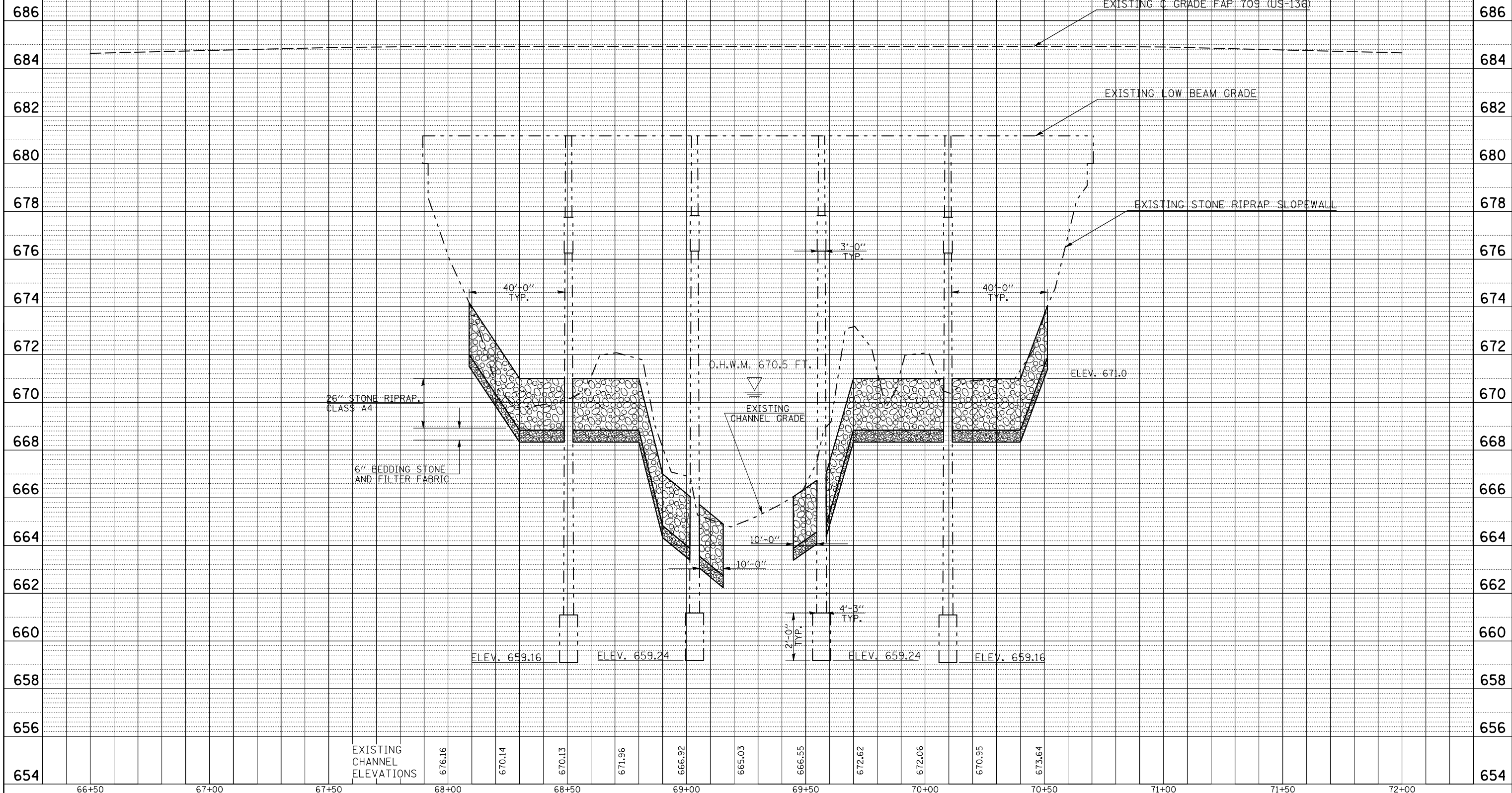
LOCATION	FILTER FABRIC AREA (SY)	REPAIR AREA (SY)	TYPE OF REPAIR	RIPRAP THICKNESS (IN)	BEDDING THICKNESS (IN)	RIPRAP ESTIMATED (TONS)	BEDDING ESTIMATED (TONS)
WEST OF STREAM	662.5	662.5	A4	26.0	6.0	760.0	199.0
EAST OF STREAM	662.5	662.5	A4	26.0	6.0	760.0	199.0



• D5 SCOUR MITIGATION 2009-2
** EDGAR & VERMILION

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	



* D5 SCOUR MITIGATION 2009-2
 ** EDGAR & VERMILION

FILE NAME =	USER NAME = s1msgm	DESIGNED - BJH	REVISED -
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 6/25/2009	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

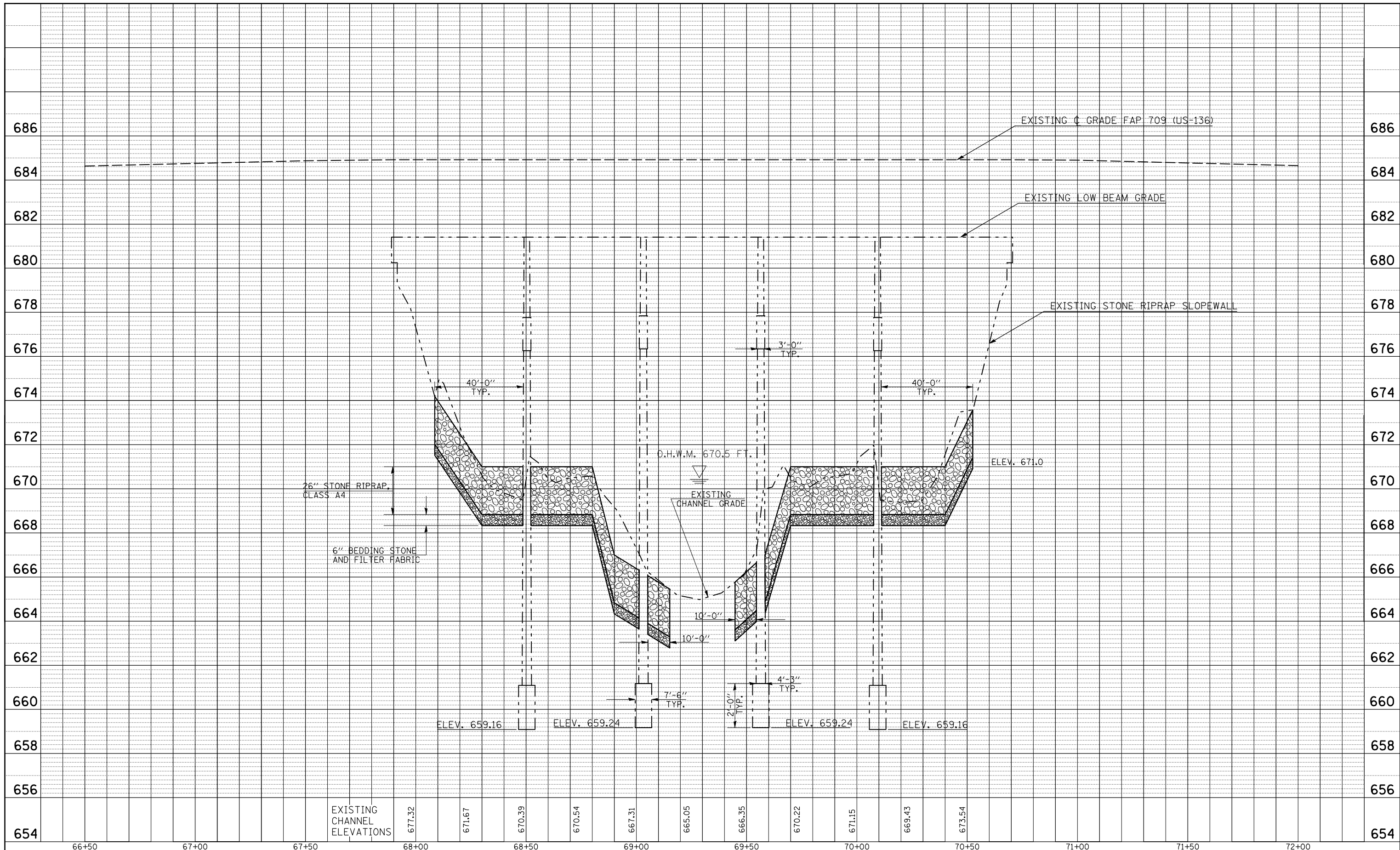
**PROFILE SHEET S.N. 092-0058
 AT UPSTREAM FACE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	18	15
				CONTRACT NO. 70713
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHKD	
	NOTE BOOK NO.	
	CHECKED	
	DATE	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHKD	
	NOTE BOOK NO.	
	CHECKED	
	DATE	
	CADD FILE NAME	



66+50 67+00 67+50 68+00 68+50 69+00 69+50 70+00 70+50 71+00 71+50 72+00

654 658 660 662 664 666 668 670 672 674 676 678 680 682 684 686

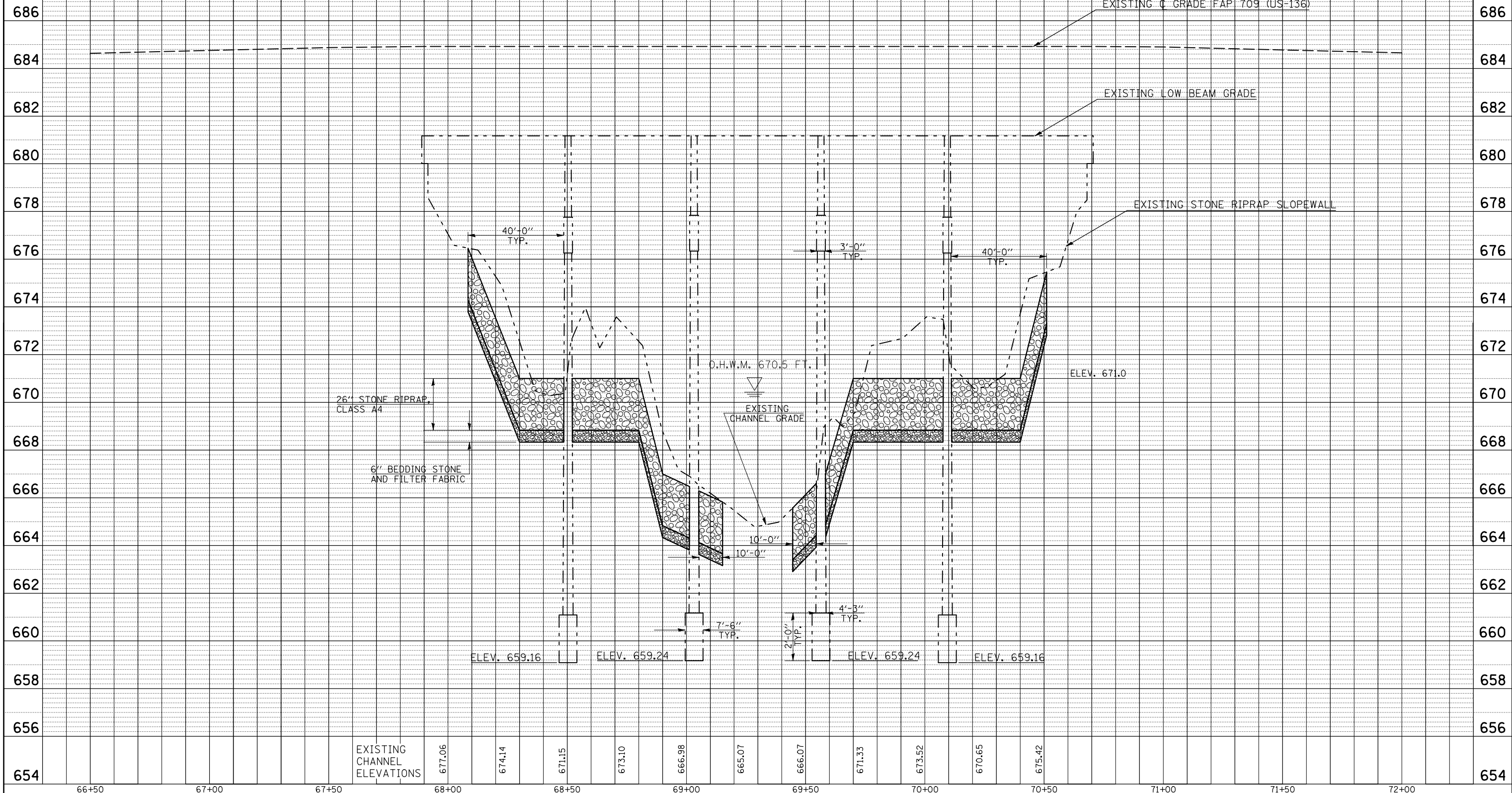
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 70713				
PLOT DATE = 6/25/2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

* D5 SCOUR MITIGATION 2009-2
 ** EDGAR & VERMILION

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

PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. _____	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. _____	
	FILE NAME	



654	66+50	67+00	67+50	68+00	68+50	69+00	69+50	70+00	70+50	71+00	71+50	72+00	654			
				EXISTING CHANNEL ELEVATIONS	677.06	674.14	671.15	673.10	666.98	665.07	666.07	671.33	673.52	670.65	675.42	

FILE NAME =	USER NAME = s1msgm	DESIGNED - BJH	REVISED -
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 6/25/2009	DATE -	REVISED -

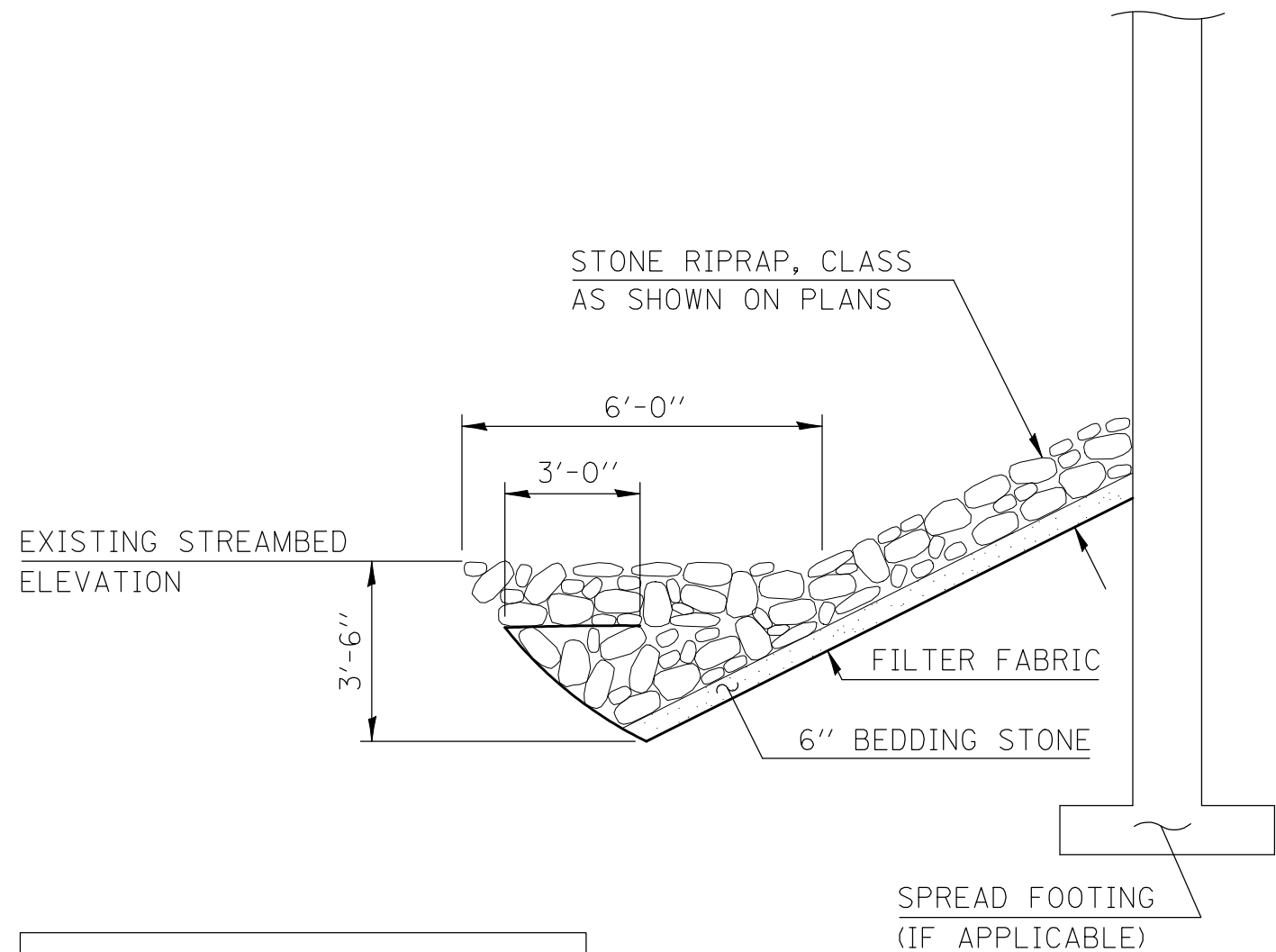
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROFILE SHEET S.N. 092-0058 AT DOWNSTREAM FACE			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

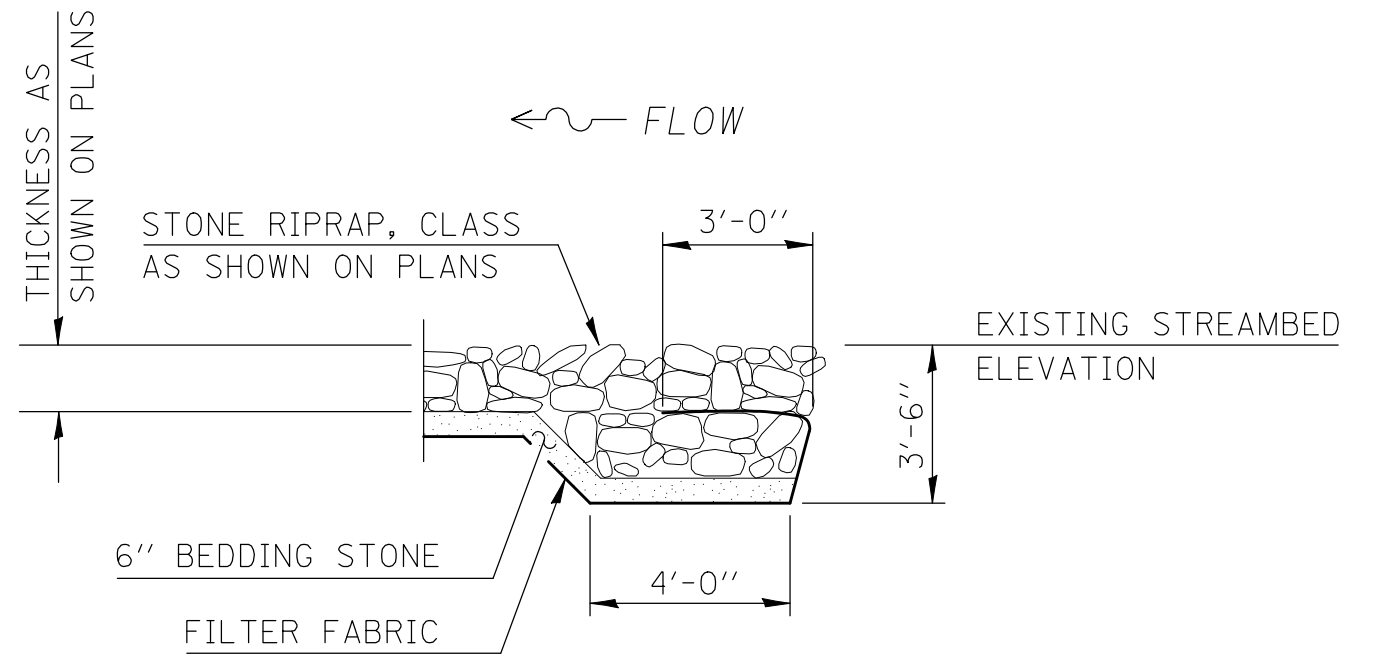
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	18	17
CONTRACT NO. 70713				
ILLINOIS FED. AID PROJECT				

* D5 SCOUR MITIGATION 2009-2
** EDGAR & VERMILION

**DETAIL FOR RIPRAP TOE ALONG THE FLOWLINE
AT PIER #2 AND PIER #3 @ S.N. 092-0058
AND AT PIER #2 AND PIER #3 @ S.N. 092-0034**



**TYPICAL DETAIL FOR UPSTREAM
EDGE OF RIPRAP
(ALL LOCATIONS)**



NOTE:
UNDER NO CIRCUMSTANCES
ARE THE BRIDGE PIER OR
ABUTMENT FOOTINGS TO
BE UNCOVERED.

• D5 SCOUR MITIGATION 2009-2
** EDGAR & VERMILION

FILE NAME =	USER NAME = s1msgm	DESIGNED - BJH	REVISED -
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/18/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RIPRAP DETAILS
AT EDGE OF FLOWLINE & UPSTREAM EDGE**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	*	**	18	18
CONTRACT NO. 70713				
ILLINOIS FED. AID PROJECT				