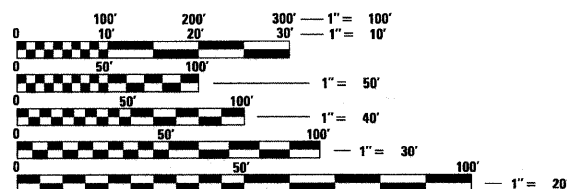


DISTRICT ONE - PLAN PREP ENGINEER: KEN ENG (847) 705-4247

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN THE
VILLAGE OF GLENCOE
VILLAGE OF WHEELING
CITY OF PARK RIDGE
VILLAGE OF SUGAR GROVE



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.

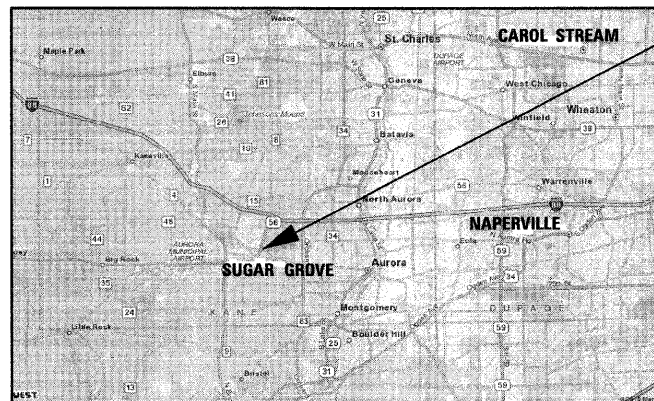
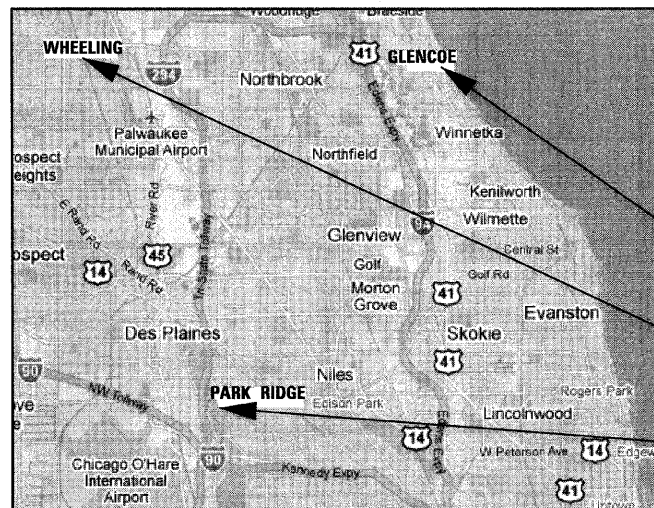
J.U.L.I.E.
JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

CONTRACT NO. 60J08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

VARIOUS ROUTES
SECTION 2009-108 I
VARIOUS LOCATIONS
SCOUR COUNTERMEASURES
COOK AND KANE COUNTIES
C-91-179-10



LOCATION 2: S.N. 016-0618, SHERIDAN ROAD
OVER RAVINE NO. 2

LOCATION 1: S.N. 016-0556, MCHENRY ROAD
OVER WHEELING DRAINAGE DITCH

LOCATION 3: S.N. 016-0829, TOUHY AVENUE
OVER DES PLAINES RIVER

LOCATION 4: S.N. 045-0026 (E.B.); 045-0027 (W.B.)
IL 56 OVER BLACKBERRY CREEK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	2009-108 I	COOK/KANE	23	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 60J08		

* 23-1 = 22

D-91-179-10



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED MAY 11, 2010

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

June 25 2010

Scott E. Stitt, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

June 25 2010

Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



Birinder S. Sachdeva

BIRINDER S. SACHDEVA, P.E.

EXPIRES: 11-30-2011

DRAWING NO. 1-10, 12-16 & 19-23

5-10-10

DATE

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS



CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS - PLANNERS - SURVEYORS
211 W. WACKER DRIVE CHICAGO, IL. 60601
TELEPHONE 312-322-2023

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES SCOUR COUNTERMEASURES - VARIOUS LOCATIONS
3	SUMMARY OF QUANTITIES SCOUR COUNTERMEASURES - VARIOUS LOCATIONS
4	LOCATION MAPS
5 - 6	SCOUR COUNTERMEASURES - MCHENRY ROAD OVER WHEELING DRAINAGE DITCH
7 - 8	SCOUR COUNTERMEASURES - SHERIDAN ROAD OVER RAVINE NO. 2
9 - 10	SCOUR COUNTERMEASURES - TOUHY AVENUE OVER DES PLAINES RIVER
11	SCOUR COUNTERMEASURES - IL 56 OVER BLACKBERRY CREEK
12 - 18	CROSS SECTIONS SCOUR COUNTERMEASURES - VARIOUS LOCATIONS
19	ARTERIAL ROAD INFORMATION SIGN
20	TRAFFIC CONTROL & PROTECTION FOR SIDEROADS, INTERSECTIONS AND DRIVEWAYS
21 - 23	DEWATERING SYSTEM DETAILS SCOUR COUNTERMEASURES - VARIOUS LOCATIONS

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
701426-03	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATIONS ONLY, FOR SPEEDS > 45 MPH
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-06	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701901-01	TRAFFIC CONTROL DEVICES

NOTE: NIGHT TIME CLOSURES WILL NOT BE REQUIRED FOR THIS PROJECT.

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." (JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS) AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC,TELEPHONE & GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OF FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 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 CONTRACTOR'S 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.

- 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 CONTRACTOR'S OPERATIONS) SHALL BE RESTORED BY REGRADING TO THE ORIGINAL CONTOURS AND/OR SEEDING WITH SEEDING, CLASSES 4 AND 5, AND MULCHING WITH EROSION CONTROL BLANKET. PLACE TEMPORARY SEEDING AND TEMPORARY EROSIONS CONTROL BLANKET 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.

- 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 AND REFLECTORS.
- ANY GUARDRAIL OR SIGNS DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S 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 SUBMIT DEWATERING AND SEDIMENT CONTROL PLANS FOR EACH SITE.
- THE CONTRACTOR SHALL CONTACT THE ENGINEER AFTER DEWATERING FOR FINAL RIPRAP OR SLOPE MATTRESS PLACEMENT.

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	SFTY-2A						
CODE NO	ITEM	UNIT		LOCATION 1 MCHENRY COOK COUNTY	LOCATION 2 SHERIDAN COOK COUNTY	LOCATION 3 TOUHY COOK COUNTY	LOCATION 4 IL 56 KANE COUNTY			
20300100	CHANNEL EXCAVATION	CU YD	520				520			
28100107	STONE RIPRAP, CLASS A4	SQ YD	1,530			840	690			
28100109	STONE RIPRAP, CLASS A5	SQ YD	505	112	393					
28200200	FILTER FABRIC	SQ YD	288				288			
28400100	GABIONS	CU YD	30				30			
28401000	SLOPE MATTRESS, 12"	SQ YD	258				258			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	1	1	1	1			
67100100	MOBILIZATION	L SUM	1	0.25	0.25	0.25	0.25			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1					
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	0.33		0.34	0.33			
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			
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	205.6	51.4	51.4	51.4	51.4			

FILE NAME = D:\66J08-sht-S00.dgn
PLOT DATE = 5/10/2010

CR & A
CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED -	K.R.K.
DRAWN -	J.V.
CHECKED -	G.F.L.
DATE -	MARCH, 2010

REVISED -	
REVISED -	
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
SCOUR COUNTERMEASURES - VARIOUS LOCATIONS

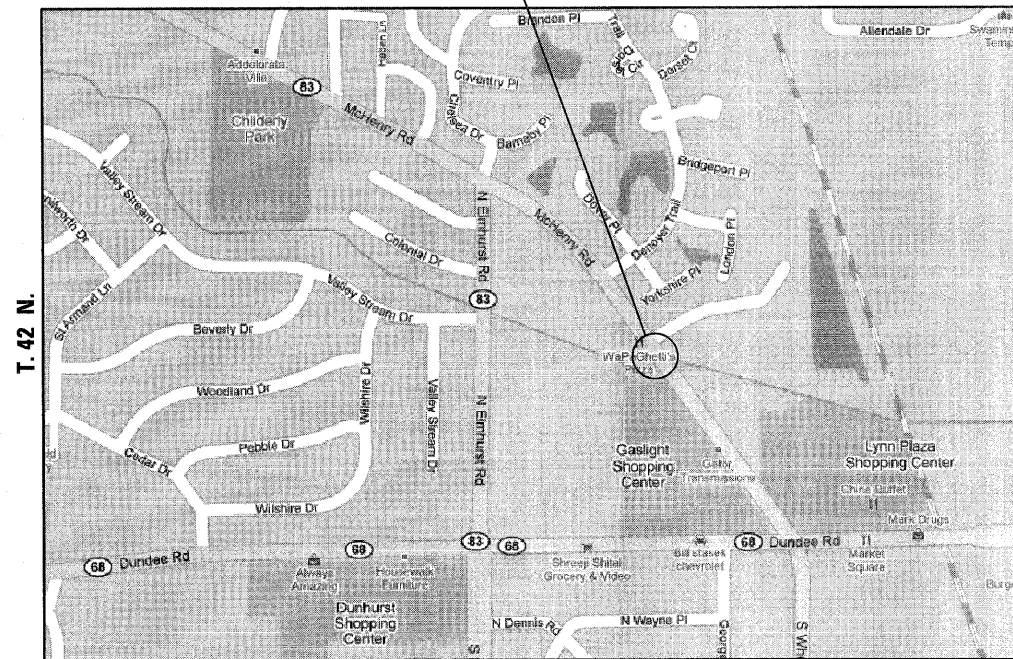
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-108 I	COOK/KANE	23	3
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

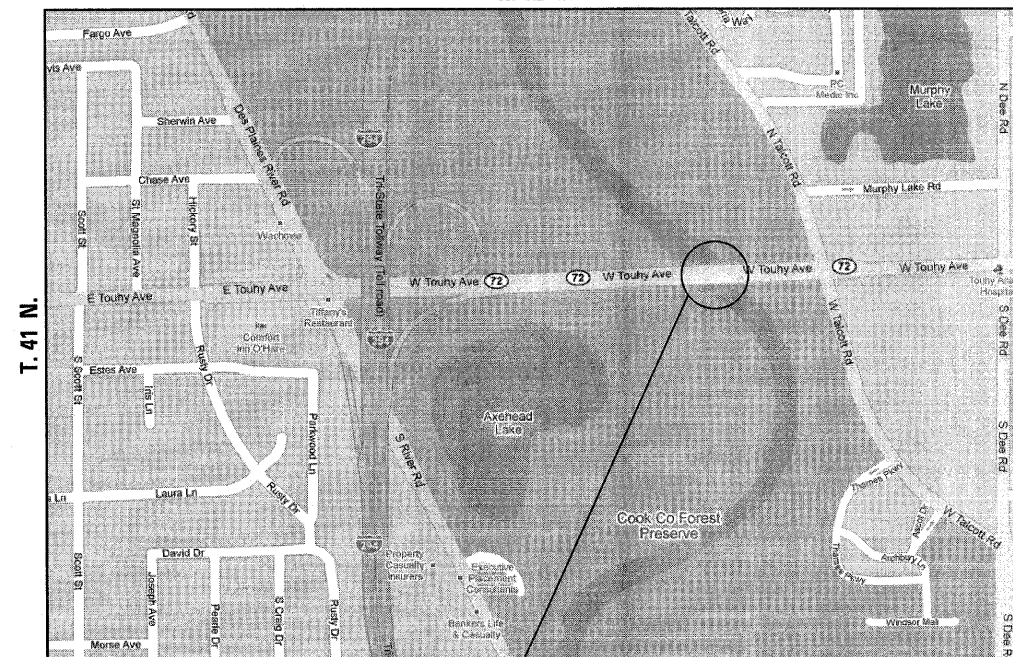
CONTRACT NO. 60J08

TRAFFIC DATA
SPEED LIMIT = 40 MPH
2007 ADT = 13,400

LOCATION 1 - COOK COUNTY
STRUCTURE NUMBER: 016-0556
MC HENRY ROAD OVER WHEELING DRAINAGE DITCH
LOCATED IN WHEELING TOWNSHIP, VILLAGE OF WHEELING



R. 11 E.
R. 12 E.

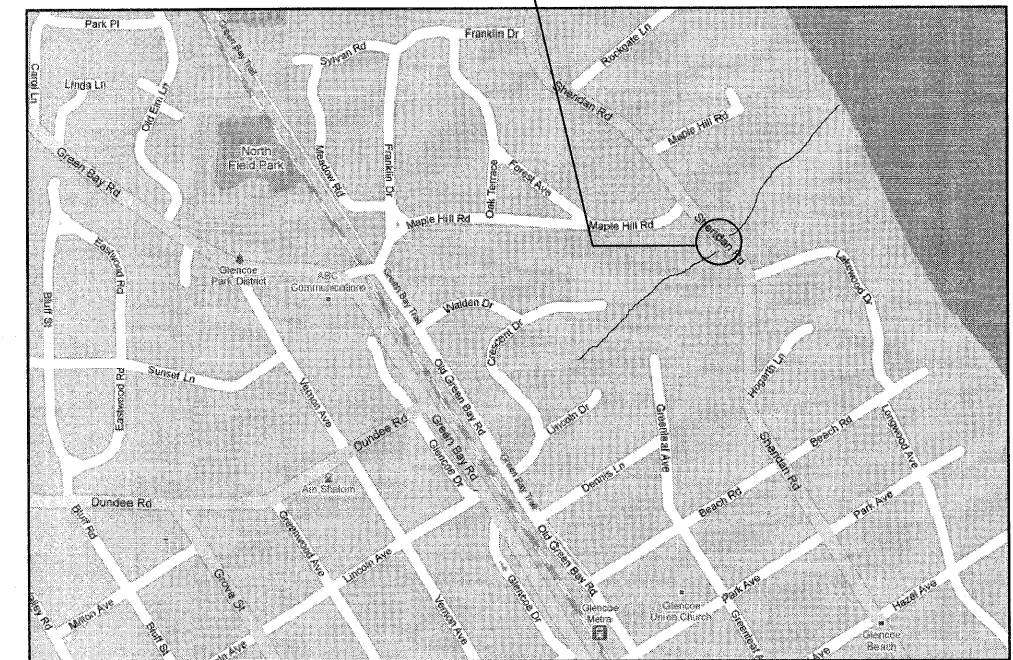


TRAFFIC DATA
SPEED LIMIT = 40 MPH
2007 ADT = 26,600

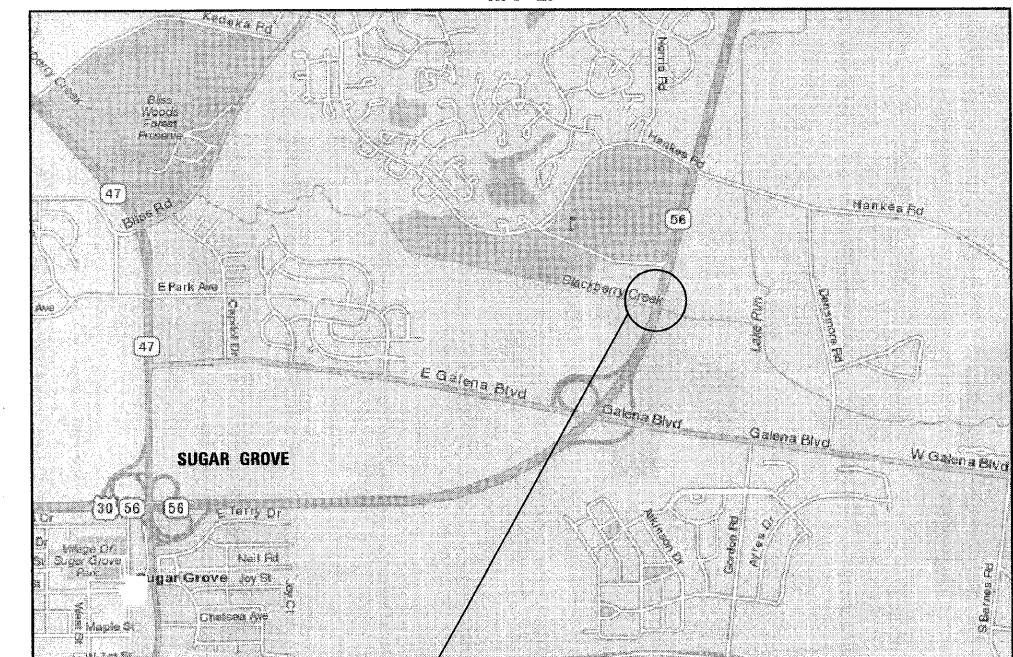
LOCATION 3 - COOK COUNTY
STRUCTURE NUMBER: 016-0829
TOUHY AVENUE OVER DES PLAINES RIVER
LOCATED IN MAINE TOWNSHIP,
CITY OF PARK RIDGE

TRAFFIC DATA
SPEED LIMIT = 30 MPH
2007 ADT = 3,500

LOCATION 2 - COOK COUNTY
STRUCTURE NUMBER: 016-0618
SHERIDAN ROAD OVER RAVINE NO. 2
LOCATED IN NEW TRIER TOWNSHIP,
VILLAGE OF GLENCOE



R. 13 E.
R. 7 E.



TRAFFIC DATA
SPEED LIMIT = 55 MPH
2007 ADT = 19,800

LOCATION 4 - KANE COUNTY
STRUCTURE NUMBER: 045-0026 (E.B.) ; 045-0027 (W.B.)
IL 56 OVER BLACKBERRY CREEK
LOCATED IN SUGAR GROVE TOWNSHIP,
VILLAGE OF SUGAR GROVE

FILE NAME = 0160J08-shr-location.dgn
PLOT DATE = 5/6/2010

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - G.F.L.
DRAWN - J.V./K.R.K.
CHECKED - E.J.M.
DATE - APRIL 28, 2010

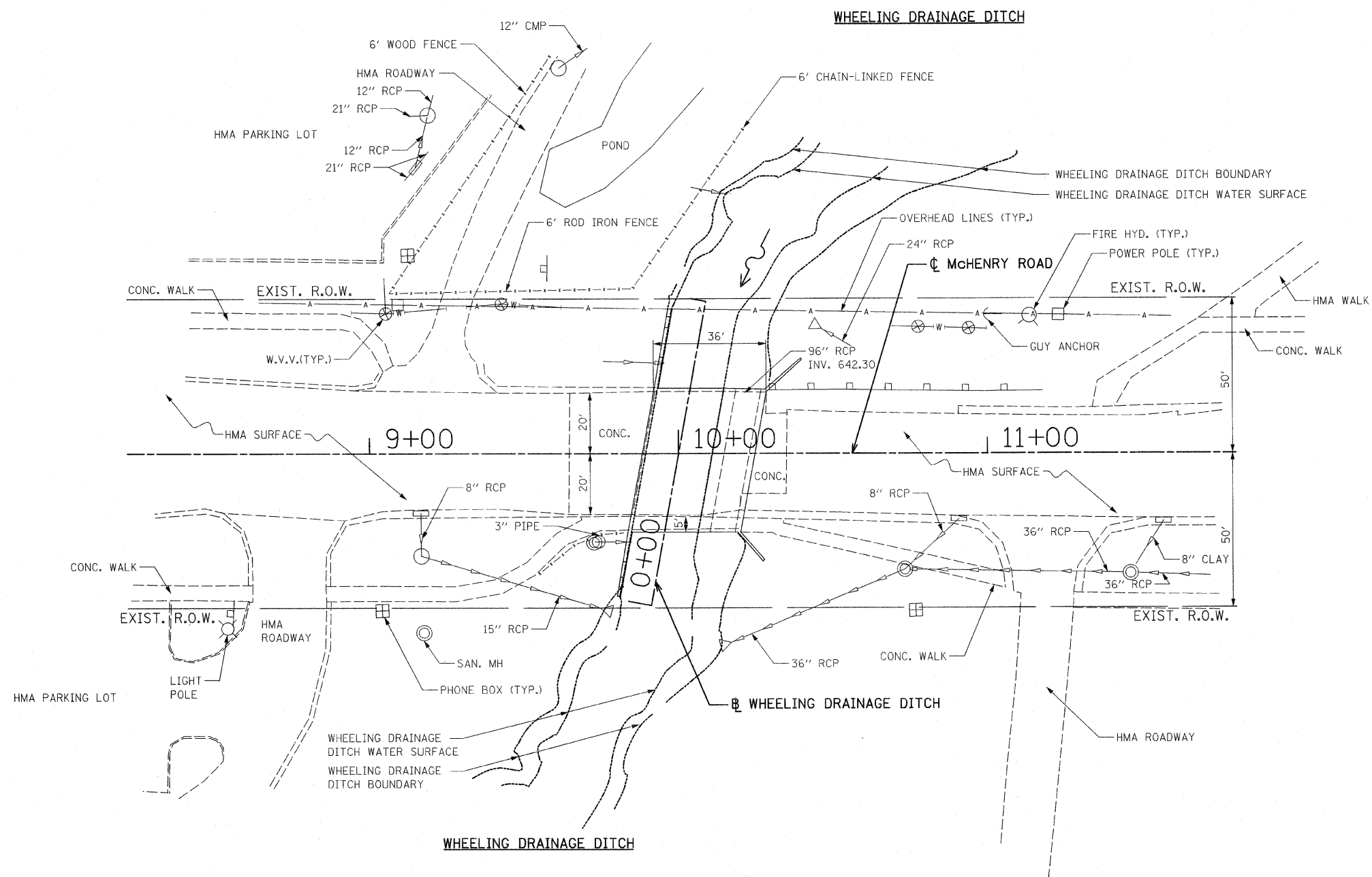
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REVISED -
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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

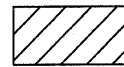
LOCATION MAPS
SCOUR COUNTERMEASURES - VARIOUS LOCATIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-108 I	COOK/KANE	23	4
CONTRACT NO. 60J08				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



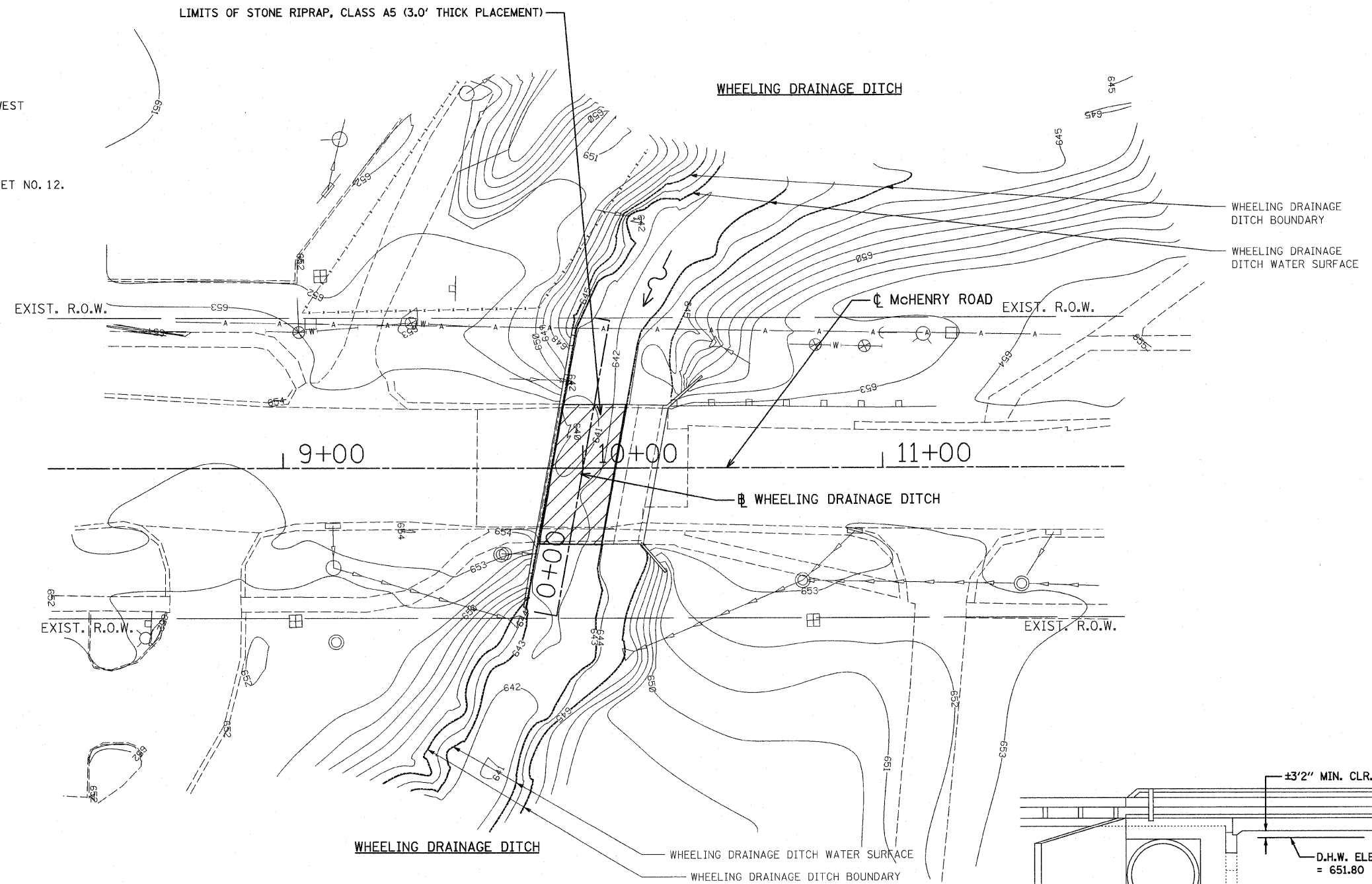
LEGEND



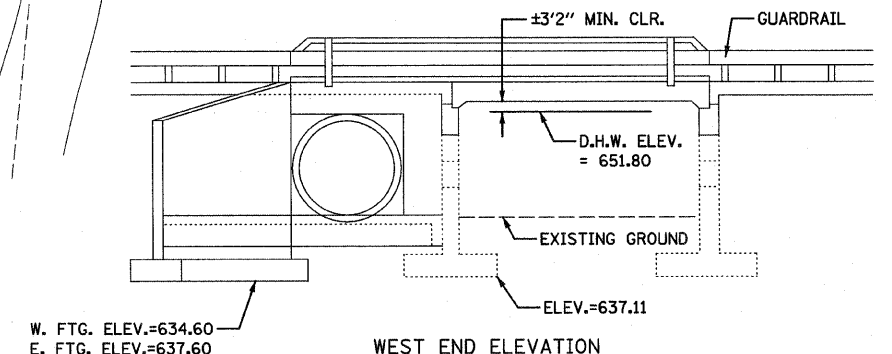
STONE RIPRAP, CLASS A5 (3.0' THICK)

BM1: EAST INVERT OF 96" RCP
ELEV. = 642.30
BM2: SQUARE CUT TOP WINGWALL SOUTHWEST
CORNER OF BRIDGE
ELEV. = 653.73


NOTE:
1. FOR DITCH CROSS SECTIONS SEE SHEET NO. 12.

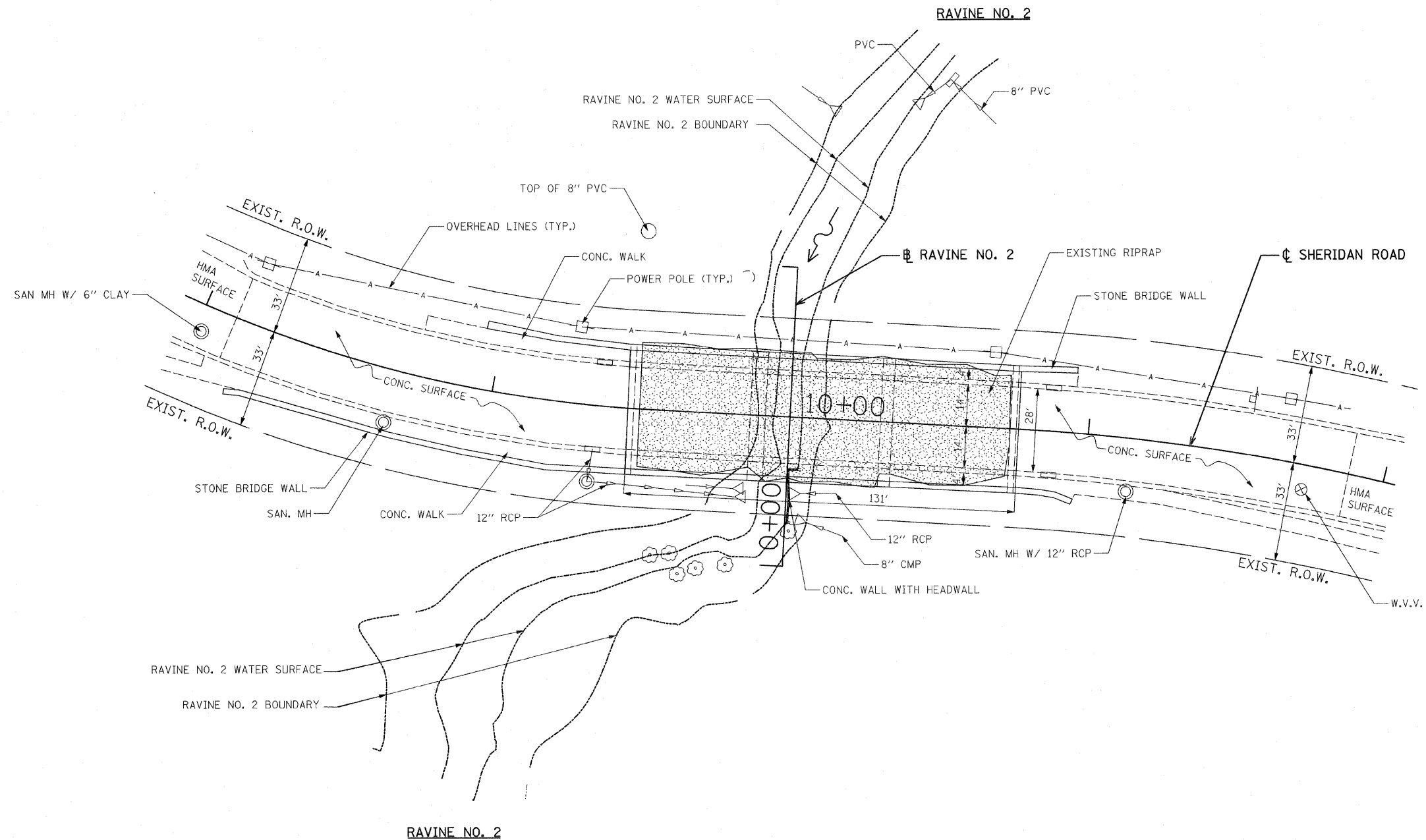


ACCESS TO THIS SITE IS LIMITED. THE CONTRACTOR SHALL ONLY ACCESS THIS SITE BY RAISING AND/OR LOWERING ALL EQUIPMENT AND MATERIAL OVER THE SIDES OF THE BRIDGE. THE CONTRACTOR WILL NOT BE ALLOWED OTHER ACCESS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



WEST END ELEVATION
NOT TO SCALE

FILE NAME = D:\60108-6-shr-eros.dgn PLOT DATE = 5/6/2010	 <div>CHRISTIAN-ROGE & ASSOCIATES, INC. ENGINEERS-PLANNERS-SURVEYORS 211 WEST WACKER DRIVE CHICAGO, ILLINOIS 60606 PHONE: (312)372-2023 FAX: (312)372-5274</div>	DESIGNED - G.F.L.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION AND SEDIMENT CONTROL PLAN McHENRY ROAD OVER WHEELING DRAINAGE DITCH				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - J.V./K.R.K.	REVISED -		VAR.	2009-108 I	COOK/KANE	23	6				
		CHECKED - E.J.M.	REVISED -		CONTRACT NO. 60J08								
		DATE - APRIL 28, 2010	REVISED -		SCALE: 1" = 20'	SHEET NO. 2 OF 2 SHEETS	STA. 8+00 TO STA. 12+00	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT			



FILE NAME = 0160J08-7-siteplan.dgn
PLOT DATE = 5/6/2010



CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - G.F.L.
DRAWN - J.V./K.R.K.
CHECKED - E.J.M.
DATE - APRIL 28, 2010

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SITE PLAN
SHERIDAN ROAD OVER RAVINE NO. 2

SCALE: 1" = 20' SHEET NO. 1 OF 2 SHEETS STA. 8+00 TO STA. 12+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-108 I	COOK/KANE	23	7
CONTRACT NO. 60J08				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

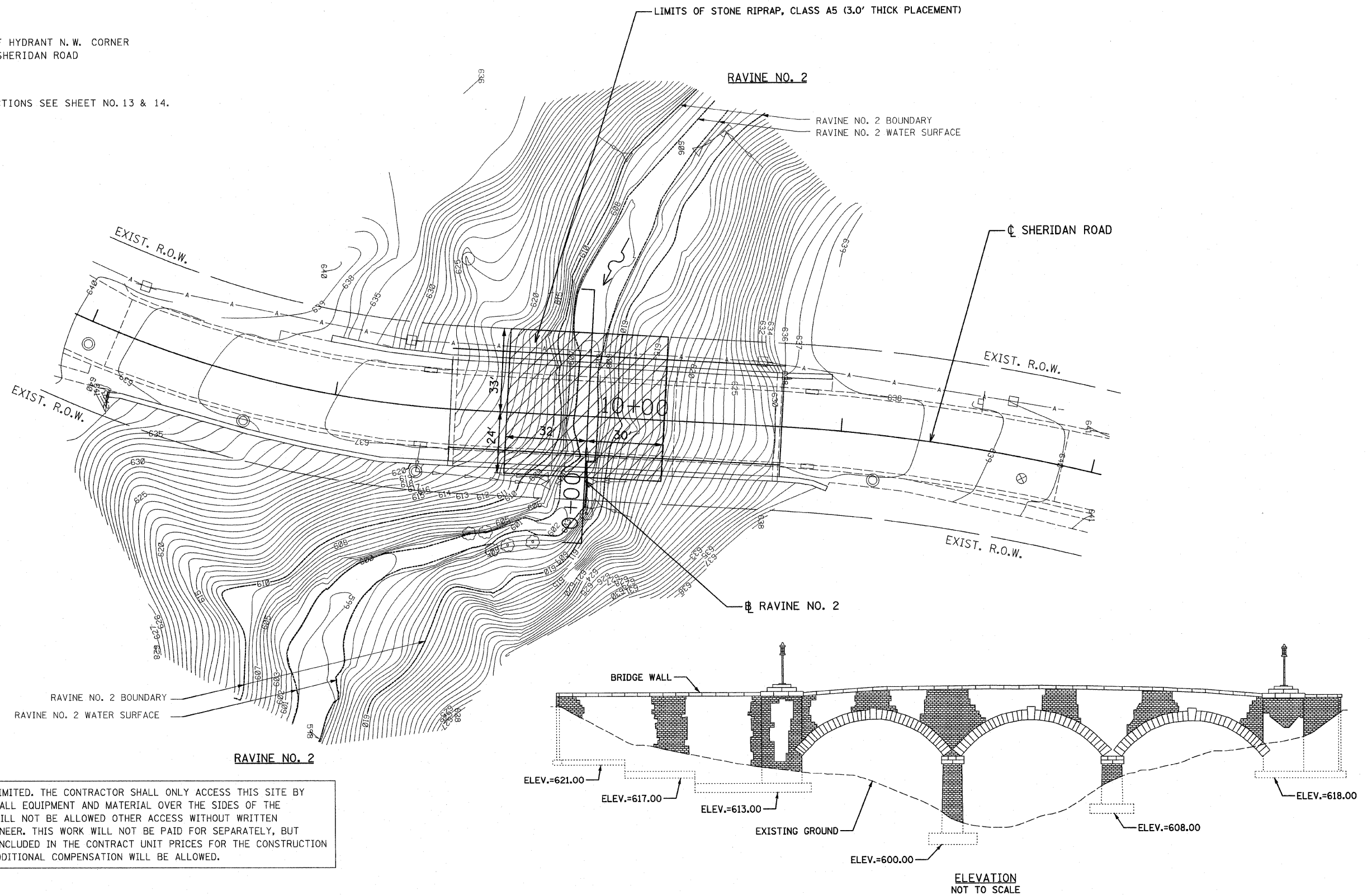
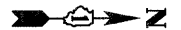


STONE RIPRAP, CLASS A5 (3.0' THICK)

BM: S.E. FLANGE BOLT OF HYDRANT N.W. CORNER
OF MAPLE HILL AND SHERIDAN ROAD
ELEV. = 649.24

NOTE:

1. FOR RAVINE CROSS SECTIONS SEE SHEET NO. 13 & 14.



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.

FILE NAME = 0168108-7-shr-eros.dgn
PLOT DATE = 5/6/2010



CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - G.F.L.
DRAWN - J.V./K.R.K.
CHECKED - E.J.M.
DATE - APRIL 28, 2010

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

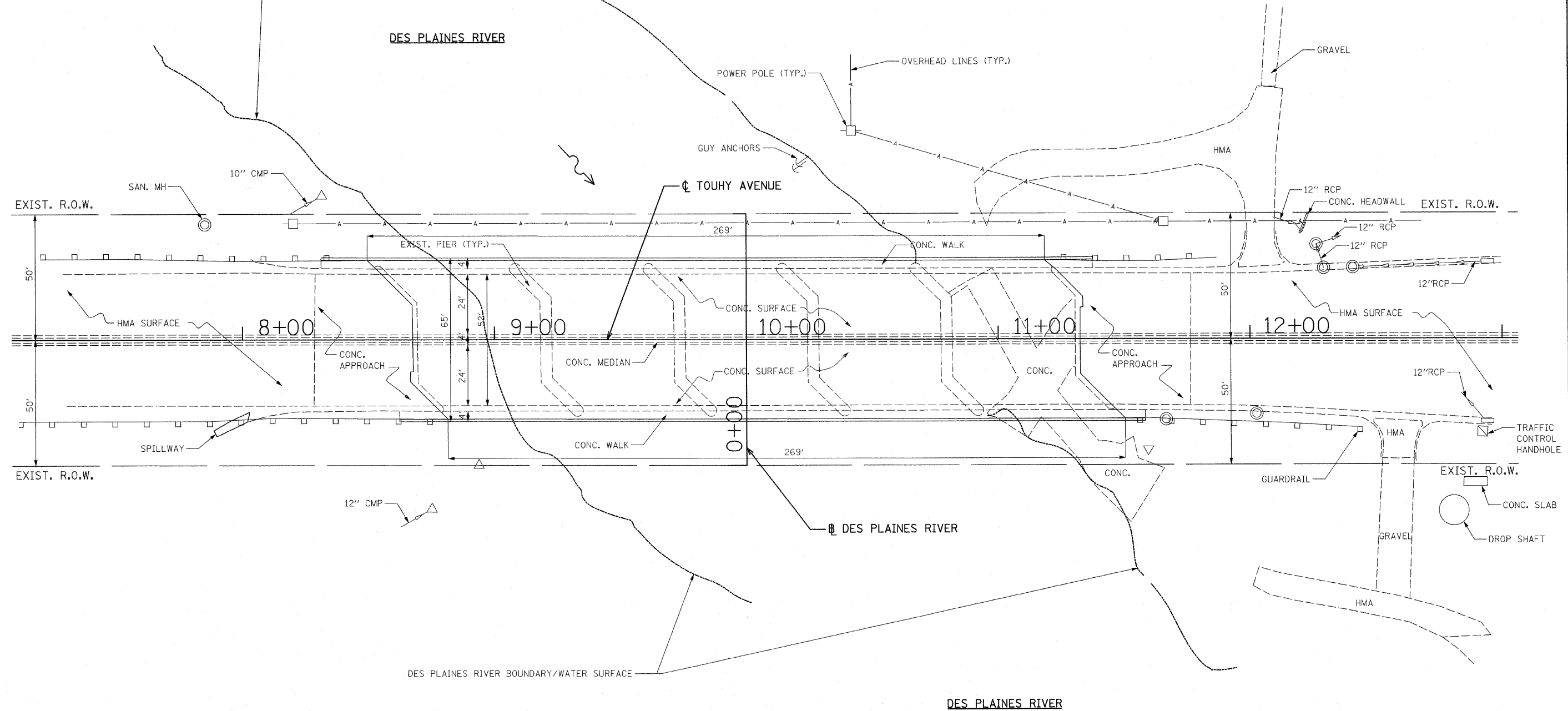
EROSION AND SEDIMENT CONTROL PLAN
SHERIDAN ROAD OVER RAVINE NO. 2


SCALE: 1" = 20' SHEET NO. 2 OF 2 SHEETS STA. 9+00 TO STA. 11+00

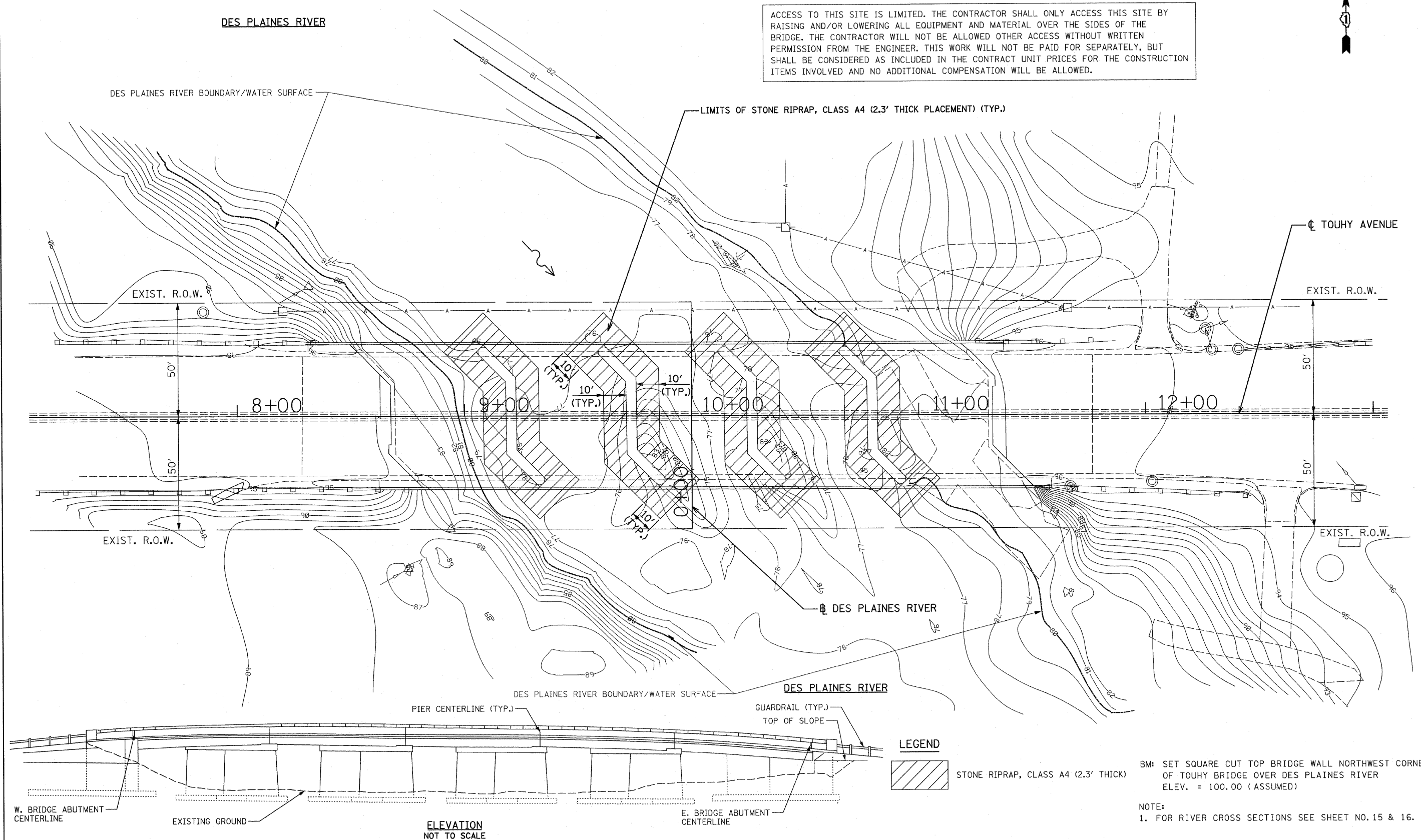
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-108 I	COOK/KANE	23	8
CONTRACT NO. 60J08				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

DES PLAINES RIVER BOUNDARY/WATER SURFACE

DES PLAINES RIVER



FILE NAME = D168J08-10-siteplan.dgn PLOT DATE = 5/6/2010	 CHRISTIAN-ROGE & ASSOCIATES, INC. ENGINEERS-PLANNERS-SURVEYORS 211 WEST WACKER DRIVE CHICAGO, ILLINOIS 60606 PHONE: (312)372-2023 FAX: (312)372-5274	DESIGNED - G.F.L.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SITE PLAN TOUHY AVENUE OVER DES PLAINES RIVER	F.A.P. SECTION COUNTY TOTAL SHEETS SHEET NO.				
		DRAWN - J.V./K.R.K.	REVISED -			VAR. 2009-108 I COOK/KANE 23 9				
		CHECKED - E.J.M.	REVISED -			CONTRACT NO. 60J08				
		DATE - APRIL 28, 2010	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
				SCALE: 1" = 20'	SHEET NO. 1 OF 2 SHEETS	STA. 8+00 TO STA. 12+00				

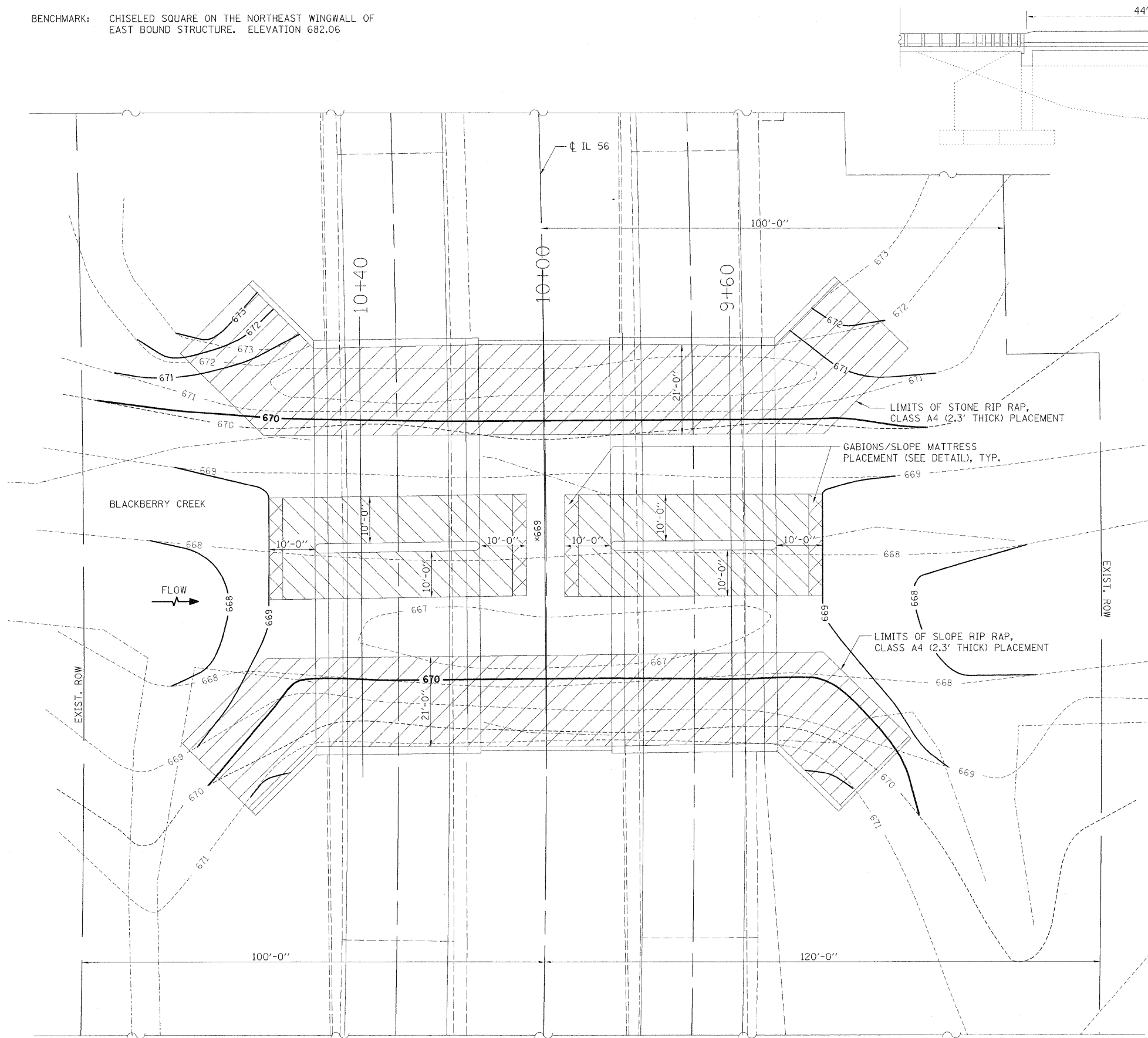


ACCESS TO THIS SITE IS LIMITED. THE CONTRACTOR SHALL ONLY ACCESS THIS SITE BY RAISING AND/OR LOWERING ALL EQUIPMENT AND MATERIAL OVER THE SIDES OF THE BRIDGE. THE CONTRACTOR WILL NOT BE ALLOWED OTHER ACCESS WITHOUT WRITTEN PERMISSION FROM THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES FOR THE CONSTRUCTION ITEMS INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

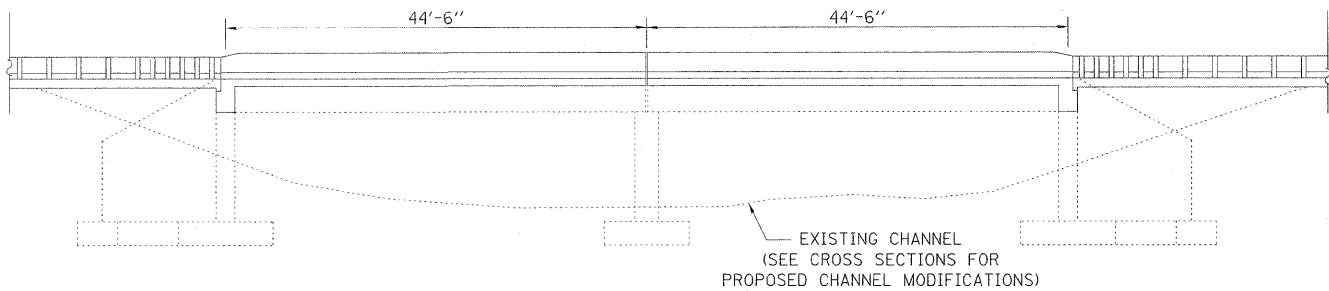
BM: SET SQUARE CUT TOP BRIDGE WALL NORTHWEST CORNER OF TOUHY BRIDGE OVER DES PLAINES RIVER
ELEV. = 100.00 (ASSUMED)

NOTE:
1. FOR RIVER CROSS SECTIONS SEE SHEET NO. 15 & 16.

BENCHMARK: CHISELED SQUARE ON THE NORTHEAST WINGWALL OF EAST BOUND STRUCTURE. ELEVATION 682.06



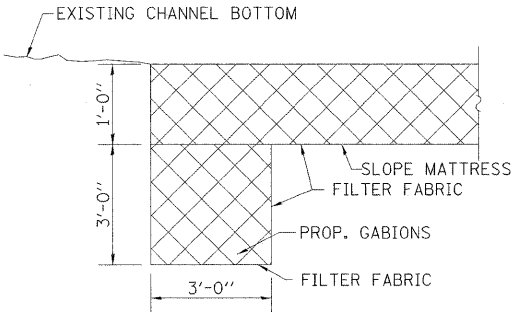
PLAN
SCALE: 1" = 24'



ELEVATION
(NOT TO SCALE)

NOTES:

1. 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 PRICE FOR THE CONSTRUCTION ITEMS INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
2. FOR CROSS SECTIONS SEE SHEET 18 OF 23.
3. CONTRACTOR SHALL VERIFY THE ELEVATION OF THE PIER FOOTINGS PRIOR TO PLACEMENT OF GABIONS OR SLOPE MATTRESS. IF FOOTING ELEVATIONS ARE DIFFERENT FROM THOSE SHOWN IN THE PLANS, ELEVATION OF GABIONS AND SLOPE MATTRESS SHALL BE ADJUSTED ACCORDINGLY. GRADUAL TRANSITIONS SHALL BE PROVIDED FROM THE PROPOSED STREAMBED AT THE PIERS TO THE EXISTING STREAMBED AT THE UPSTREAM AND DOWNSTREAM ENDS.
4. CONTRACTOR SHALL PROPERLY REMOVE AND DISPOSE OF SURPLUS EXCAVATED MATERIAL. APPROVAL OF THE WASTE AREA SHALL BE IN ACCORDANCE WITH ARTICLE 107.22. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE CONSTRUCTION ITEMS INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



MATTRESS ANCHORING DETAIL

LEGEND:

- STONE RIP RAP AS SHOWN
- SLOPE MATTRESS



5/11/10
Michael N. Young
Expires 11/30/11

PLOT DATE = 5/11/2010
FILE NAME = K:\1225511\Scour Countermeasures\Design\Plan.dgn
PLOT SCALE = 1"=24'
PLOT NAME =
MODEL =
MODELS ACT MODEL

rjngroup
Excellence through Ownership

200 West Front Street
Wheaton, IL 60187

DESIGNED	- BB	REVISED	-
DRAWN	- DW	REVISED	-
CHECKED	- MK	REVISED	-
DATE	- 05-11-2010	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL-56 OVER BLACKBERRY CREEK
SCOUR COUNTERMEASURES

SCALE: SHEET NO.

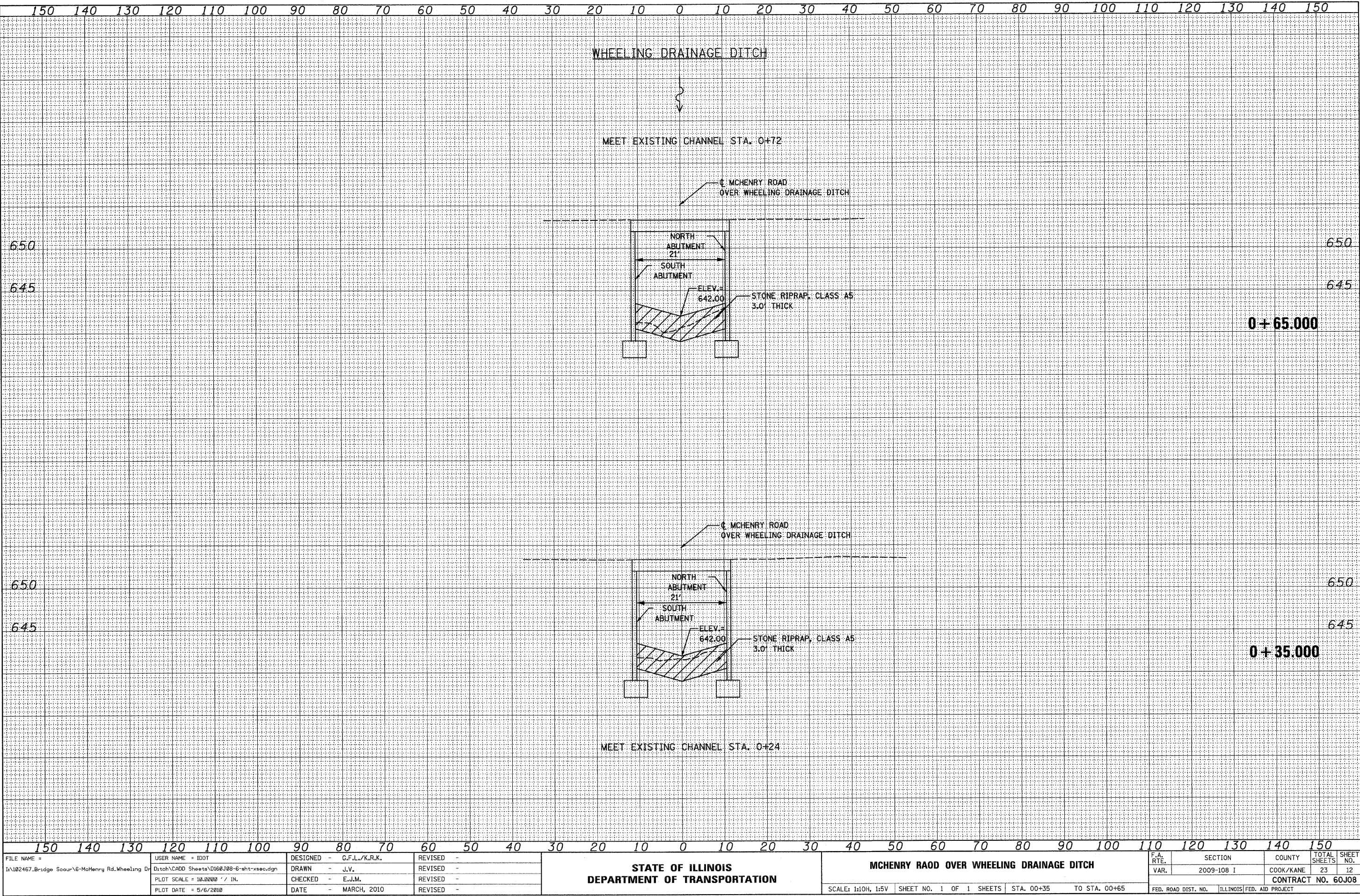
GENERAL PLAN
AND DETAILS

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	2009-108 I	COOK/KANE	23	11
CONTRACT NO. 60J08				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
	BY
	SURVEYED
	NOTED
	AREAS CHECKED
NO.	

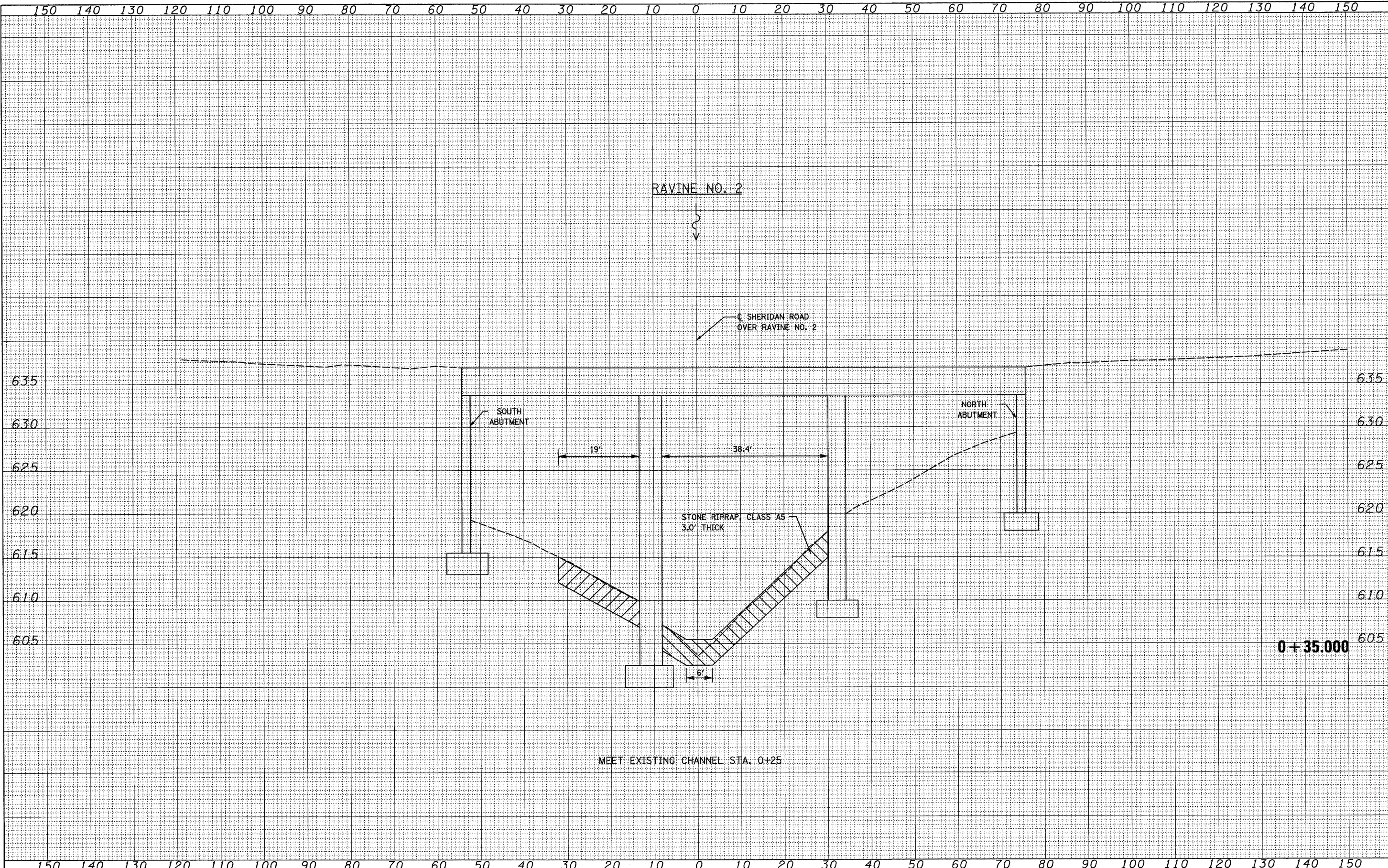
ORIGINAL SURVEY	DATE
	BY
	SURVEYED
	NOTED
	AREAS CHECKED
NO.	



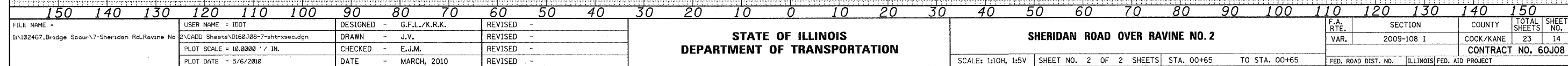
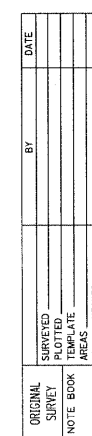
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	Ditch\CADD Sheets\DI60J08-6-shr-xsec.dgn	DRAWN - J.V.	REVISED -					VAR.	2009-108 I	COOK/KANE	23	12
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	PLOT DATE = 5/6/2010	DATE - MARCH, 2010	REVISED -									
				SCALE: 1"=10H, 1"=5V		SHEET NO. 1 OF 1 SHEETS		STA. 00+35 TO STA. 00+65		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

DATE	BY	SURVEYED	NO.
		NOTE BOOK	
		TEMPLATE	
		AREAS CHECKED	

DATE	BY	ORIGINAL	NO.
		NOTE BOOK	
		TEMPLATE	
		AREAS CHECKED	

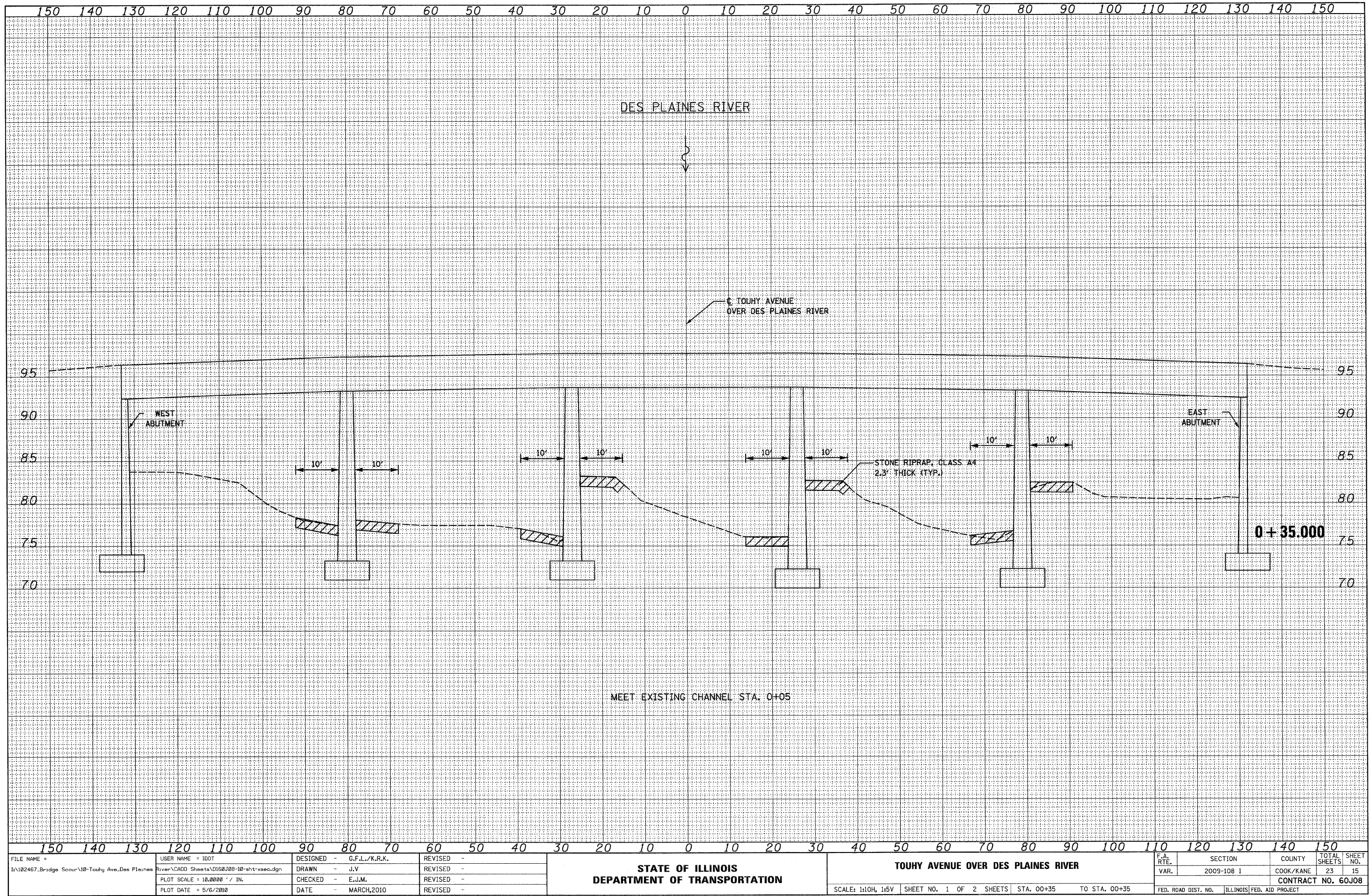


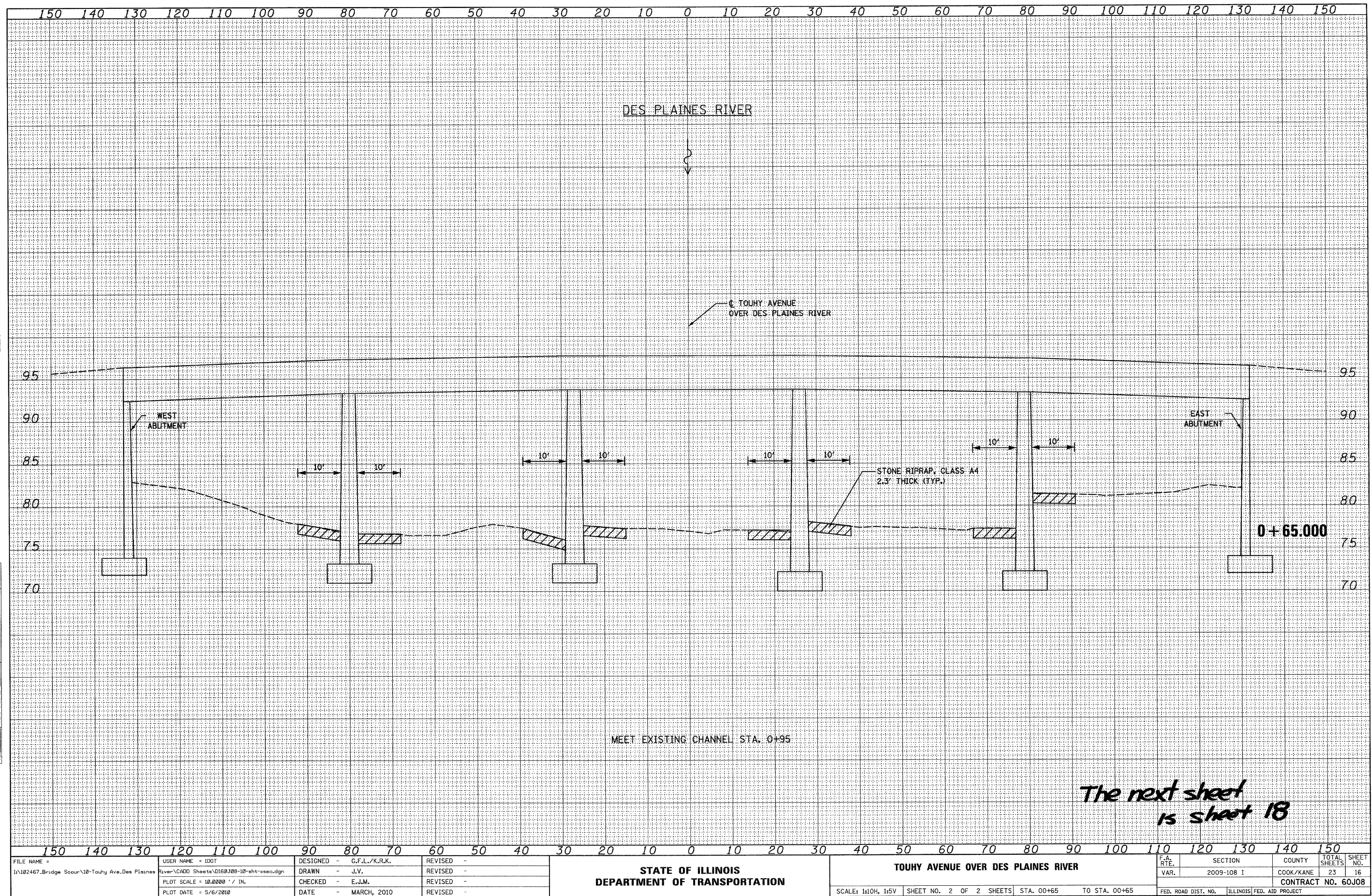
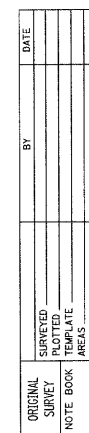
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I:\02467-Bridge Scour\7-Sheridan Rd.Ravine No	2\CADD Sheets\0160J08-7-aht-xsec.dgn	DRAWN - J.V.	REVISED -			VAR.	2009-108 I	COOK/KANE	23	13					
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	PLOT DATE = 5/6/2010	DATE - MARCH, 2010	REVISED -												
SCALE: 1:10H, 1:5V						SHEET NO. 1 OF 2 SHEETS	STA. 00+35	TO STA. 00+35	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT				



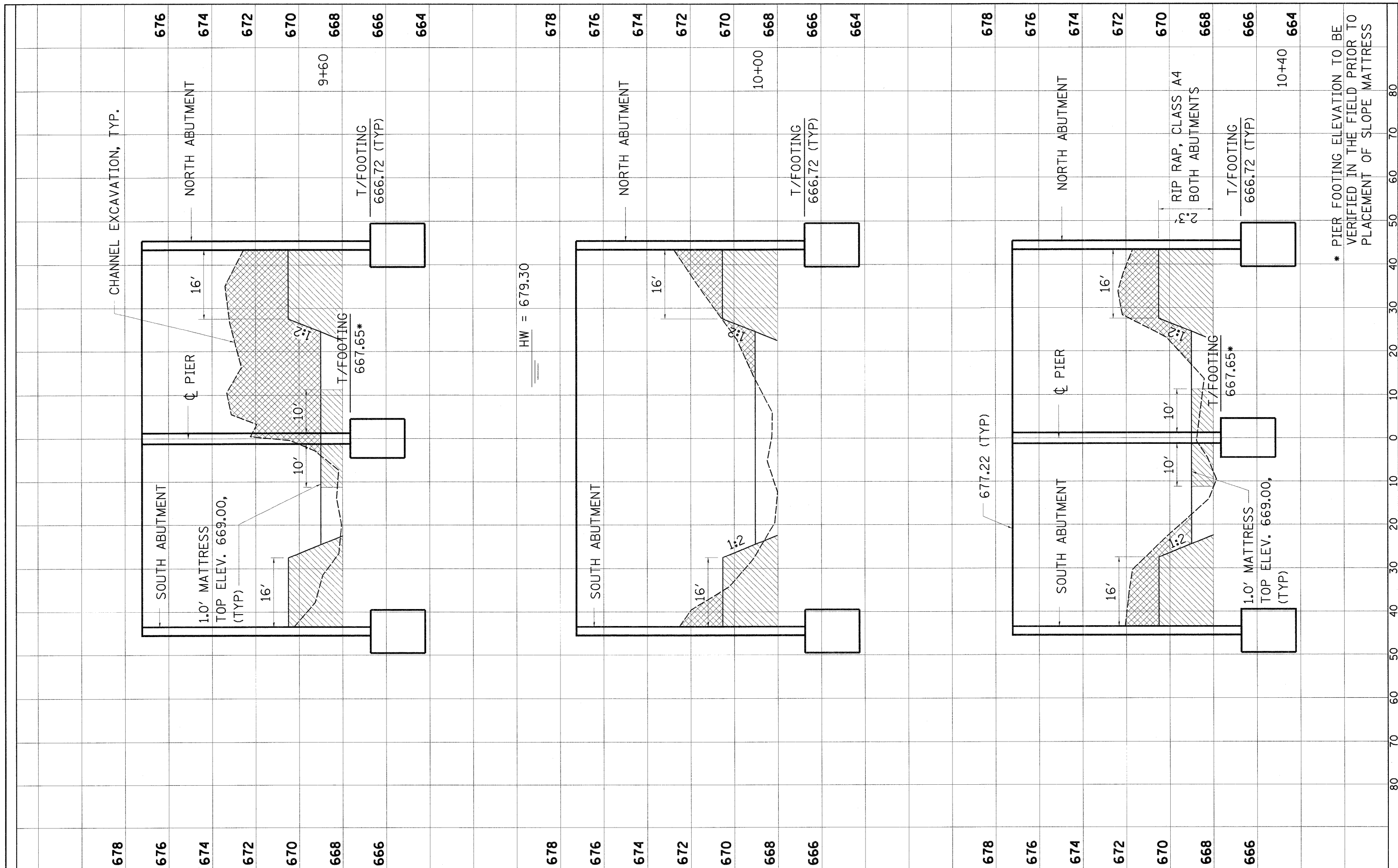
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	NOTE BOOK		
	AREAS CHECKED		

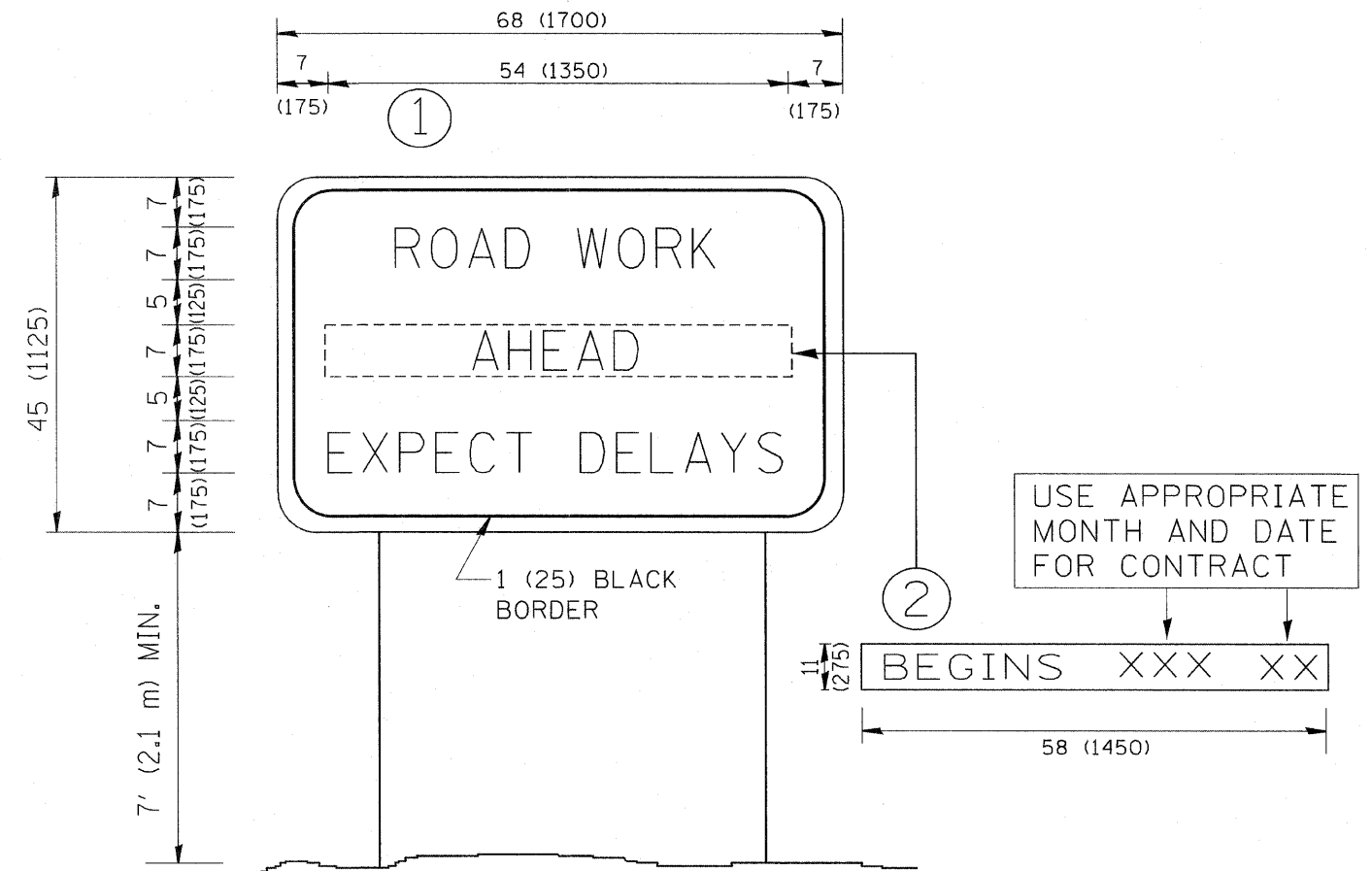
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	PLOTTED		
	TEMPLATE		
	NOTE BOOK		
	AREAS CHECKED		





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



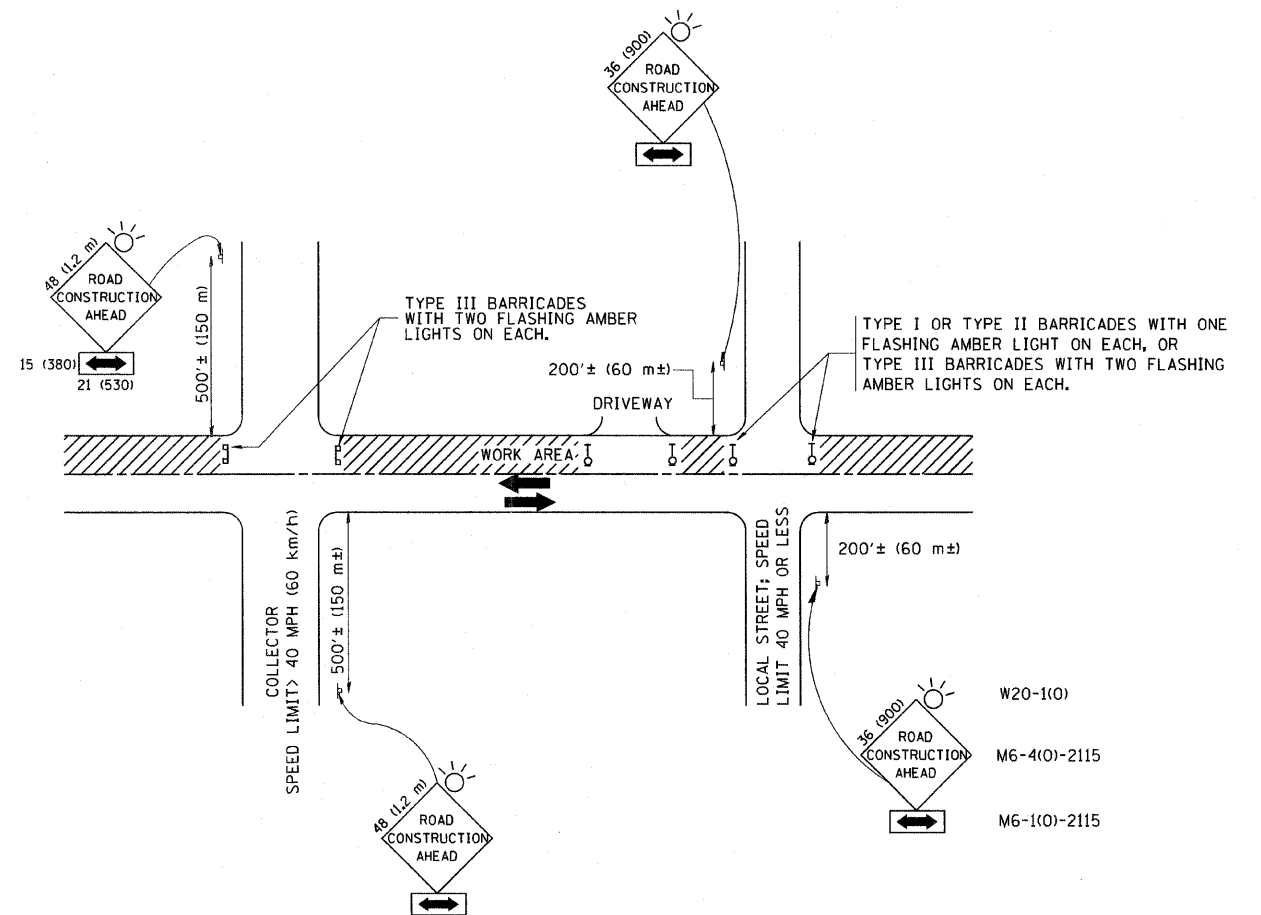


NOTES:

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.

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = geglencbt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. MIRS 12-11-97					VAR.	2009-108 I	COOK/KANE	23	19
	PLOT SCALE = 50.000" / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99		TC-22			CONTRACT NO. 60J08				
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 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

- 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:
 - 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.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME =	USER NAME = geglienobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
W:\diststd\22x34\tcl0.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	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 1 SHEETS	STA.	TO STA.

F&P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-108 I	COOK/KANE	23	20
TC-10		CONTRACT NO. 60J08I		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

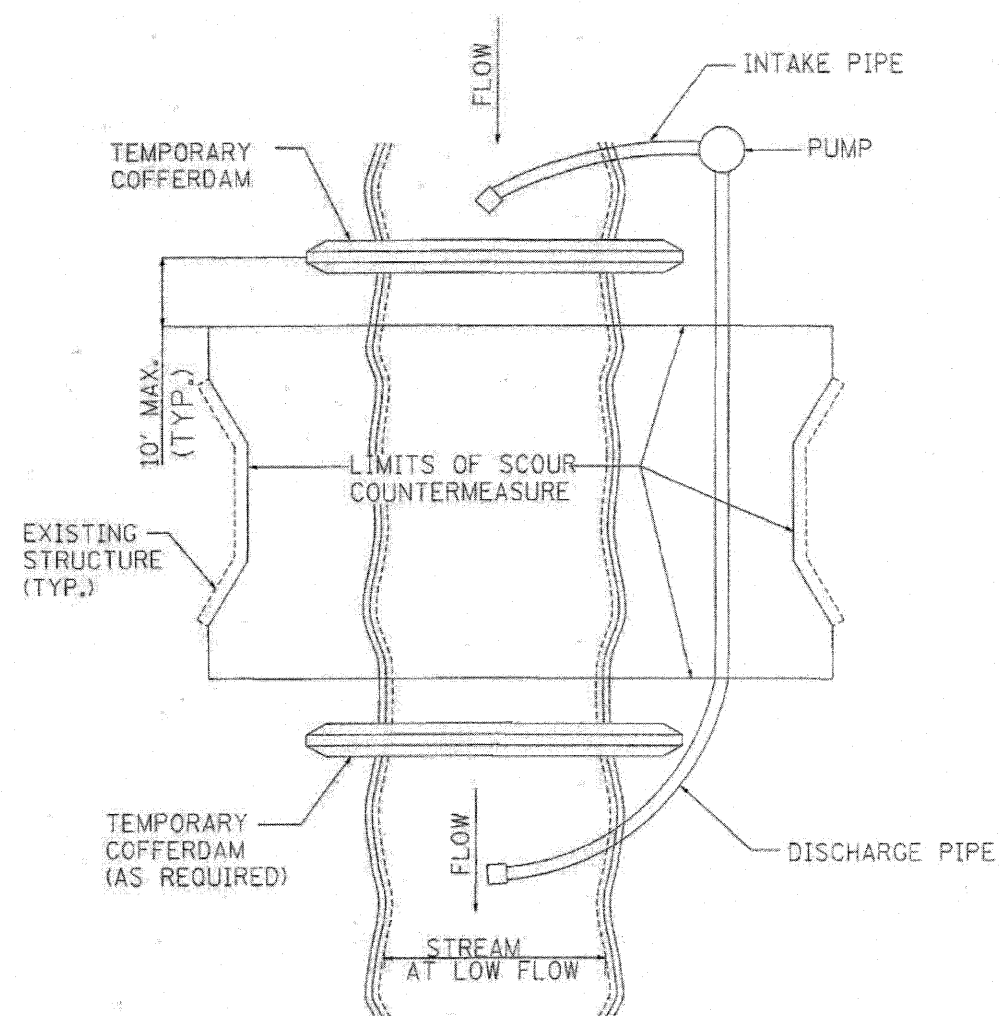


FIGURE D1. TEMPORARY COFFERDAM WITH PUMP BYPASS

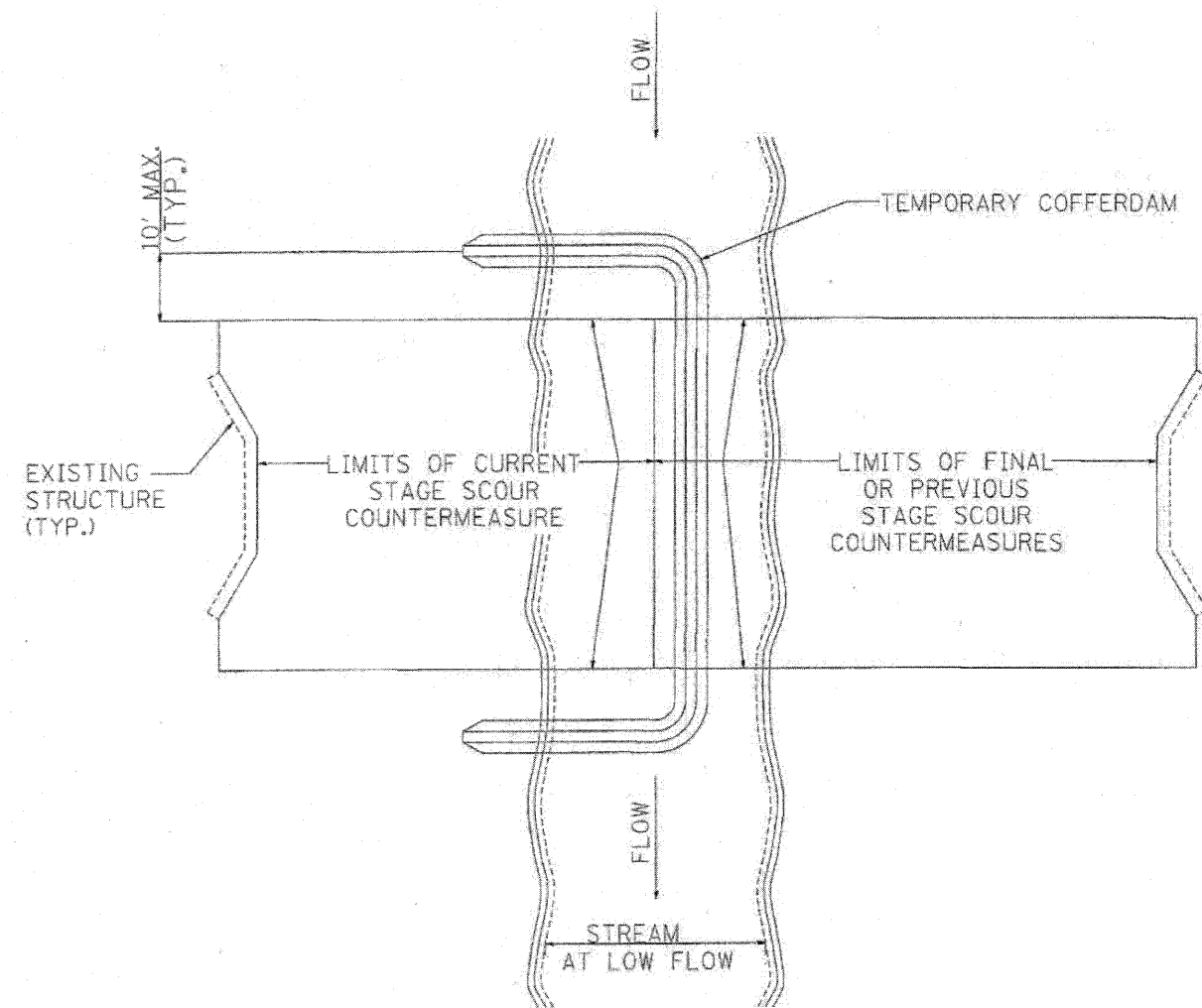


FIGURE D2. STAGED IN-STREAM COFFERDAM DIVISION

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

FILE NAME = D168J08.sht-details.dwg
PLOT DATE = 5/10/2010



CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - G.F.L.
DRAWN - J.V./K.R.K.
CHECKED - G.F.L.
DATE - APRIL 28, 2010

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEWATERING SYSTEM DETAILS
SCOUR COUNTERMEASURES - VARIOUS LOCATIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-108 I	COOK/KANE	23	21
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 60J08	

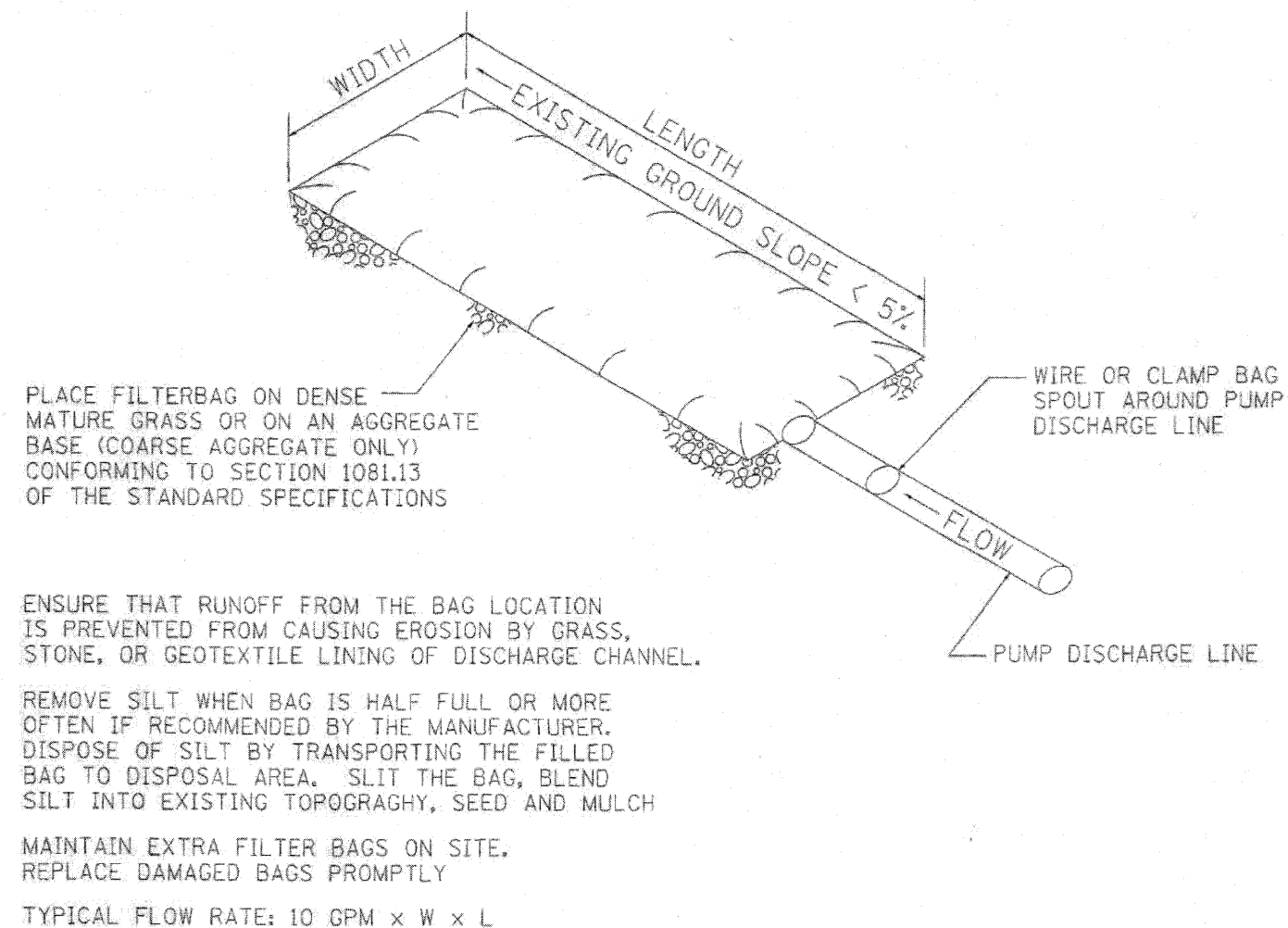


FIGURE S1. SEDIMENT FILTER BAG

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

FILE NAME = D:\68108-1\ht-details2.dgn
PLOT DATE = 5/10/2010

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

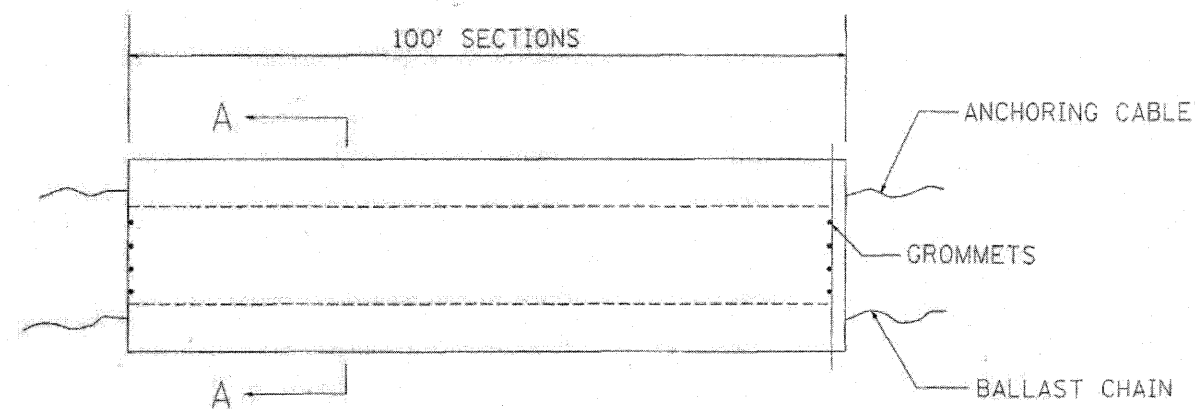
DESIGNED -	G.F.L.	REVISED -	
DRAWN -	J.V./K.R.K.	REVISED -	
CHECKED -	G.F.L.	REVISED -	
DATE -	APRIL 28, 2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

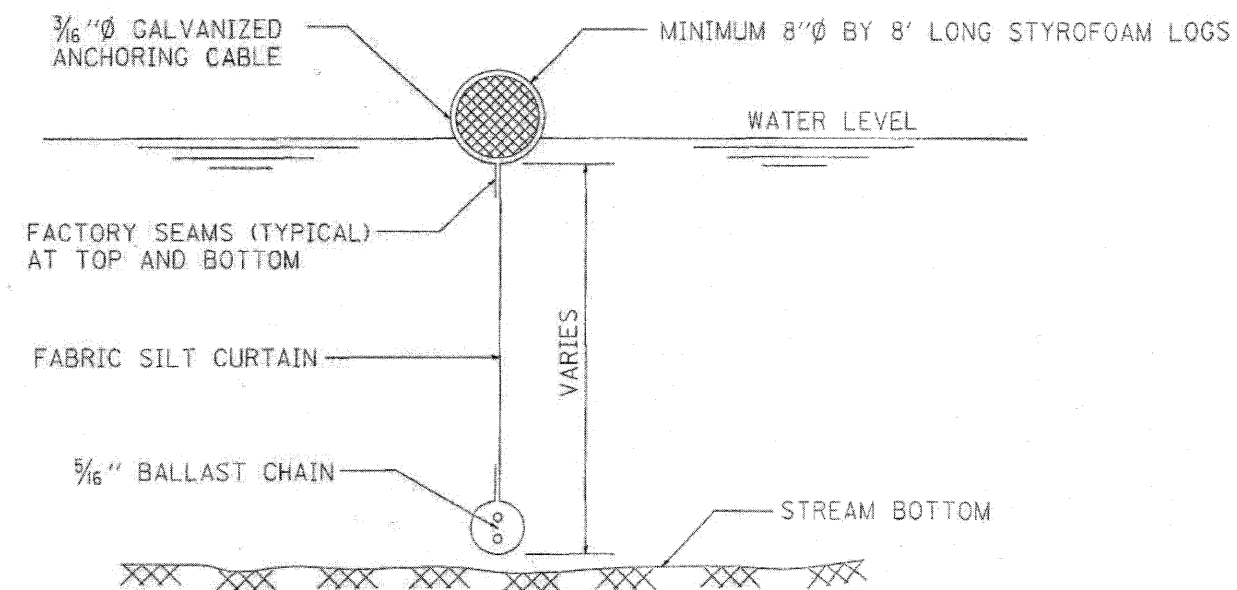
DEWATERING SYSTEM DETAILS
SCOUR COUNTERMEASURES - VARIOUS LOCATIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-108 I	COOK/KANE	23	22
CONTRACT NO. 60J08				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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 OF 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 $\frac{5}{8}$ " DIAMETER POLYPROPYLENE ROPE.
4. DESIGN OF BOOM AND ANCHORAGE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMENDATIONS. 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.

FILE NAME = D168J08-shd-details3.dgn
PLOT DATE = 5/10/2010



CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - G.F.L.
DRAWN - J.V./K.R.K.
CHECKED - G.F.L.
DATE - APRIL 28, 2010

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DEWATERING SYSTEM DETAILS
SCOUR COUNTERMEASURES - VARIOUS LOCATIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2009-108 I	COOK/KANE	23	23
CONTRACT NO. 60J08				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				