

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

VARIOUS ROUTES  
SECTION DIST 8 SCOUR MIT 2015-1

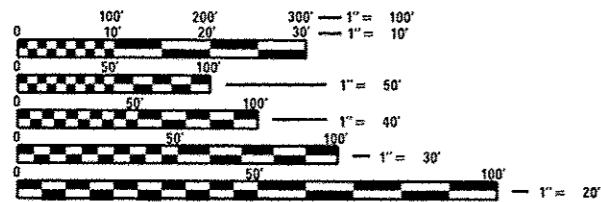
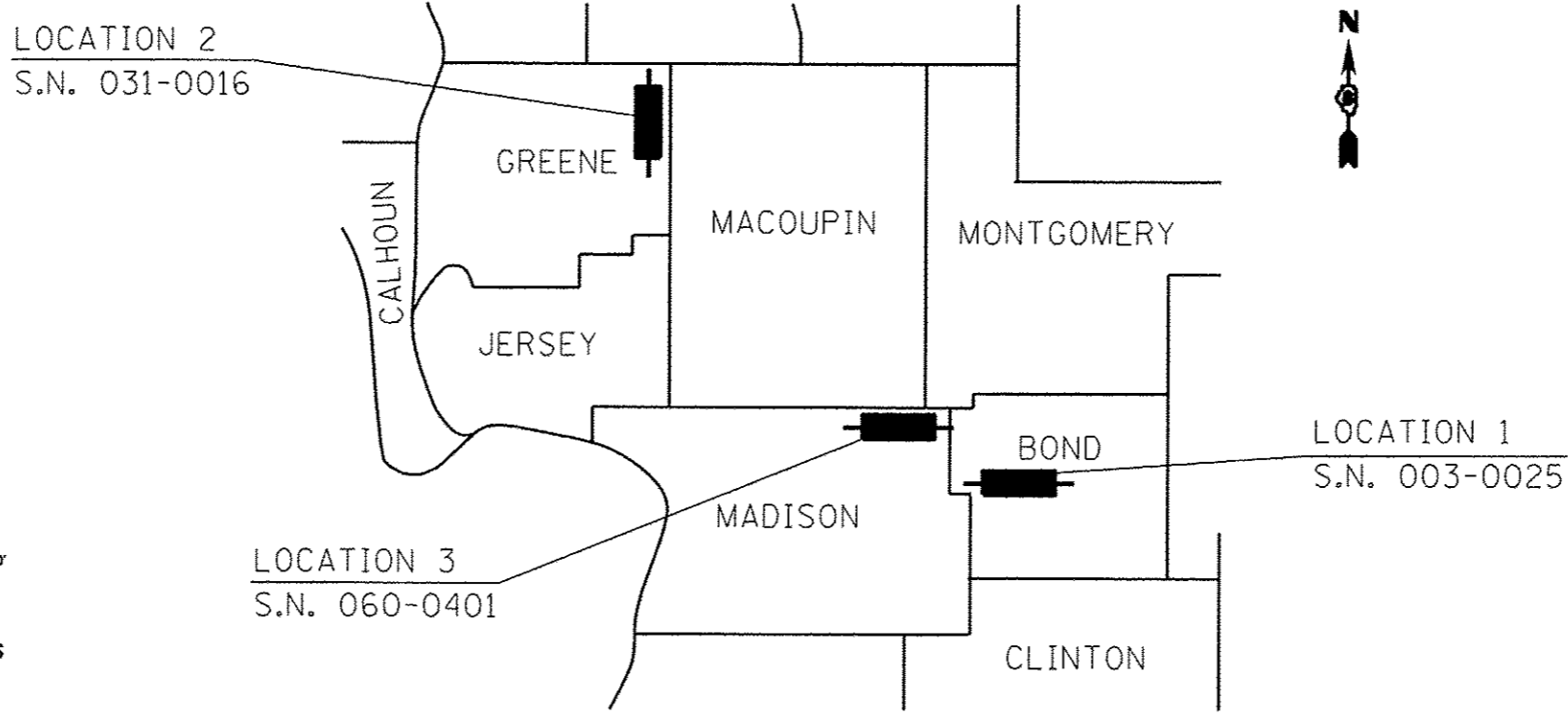
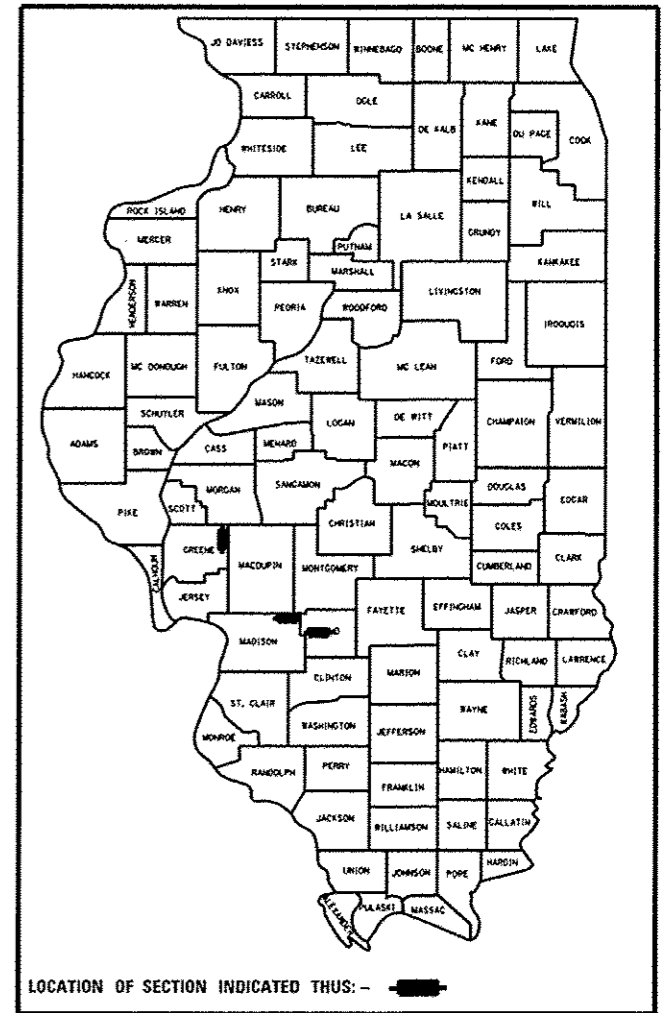
SCOUR MITIGATION  
VARIOUS COUNTIES

C-98-071-14

FOR INDEX OF SHEETS, SEE SHEET NO. 2

P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	DIST 8 SCOUR MIT 2015-1	VARIOUS	9	1
		ILLINOIS	CONTRACT NO. 76H42	

D-98-068-14



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 PADGETT 618-346-3325  
PROJECT MANAGER: PHILIP COPPERNOLL 618-346-3480

NOT TO SCALE

CONTRACT NO. 76H42

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Aug 18, 2014  
*[Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

Oct 17, 2014  
*John D. Baranzola, P.E.*  
ENGINEER OF DESIGN AND ENVIRONMENT

Oct 17, 2014  
*Omer Osman, P.E.*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- AT&T ILLINOIS (COMMUNICATIONS)
- FRONTIER NORTH, INC. (COMMUNICATIONS)
- GREENE COUNTY RURAL WATER DISTRICT (WATER)
- MADISON TELEPHONE COMPANY (COMMUNICATIONS)
- SOUTHWESTERN ELECTRIC COOPERATIVE, INC. (ELECTRIC)

MEMBERS OF J.U.L.I.E. CALL TOLL FREE (800)892-0123 OR 811 AND ARE INDICATED BY \*. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
3. ONLY SHORT TERM LANE CLOSURES SHALL BE ALLOWED FOR MOVEMENT OF EQUIPMENT AND DELIVERY OF MATERIALS AS DIRECTED BY THE ENGINEER.
4. FLAGGERS SHALL BE PRESENT DURING LANE CLOSURES AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
5. THE CONTRACTOR SHALL BE AWARE OF THE CONDITIONS OF THE 404 PERMIT REGARDING EROSION CONTROL MEASURES AND BE IN COMPLIANCE WITH THEM.
6. IN ORDER TO AVOID EROSION OF THE EXCAVATED AREAS, THE CONTRACTOR SHALL HAVE RIPRAP PLACED WITHIN 24 HOURS OF EXCAVATION UNLESS OTHERWISE DIRECTED BY THE ENGINEER DUE TO ADVERSE WEATHER CONDITIONS.
7. "TRUCKS ENTERING AND LEAVING" SIGNS SHALL BE REQUIRED AND PLACED ACCORDING TO THE ENGINEER'S DISCRETION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING ACCESS TO WORK AREAS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
9. ALL AREAS DISTURBED FOR ANY REASON SHALL BE TEMPORARILY AND PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
10. THE ILLINOIS DEPARTMENT OF TRANSPORTATION STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. PLEASE CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, HIGHWAY STANDARDS, COMMITMENTS, ADT
- 3 SUMMARY OF QUANTITIES
- 4-6 LOCATION MAPS
- 7-9 PLAN SHEETS

HIGHWAY STANDARDS

- 000001-06
- 701001-02
- 701006-05
- 701201-04
- 701301-04
- 701901-03

COMMITMENTS

NONE

ADT

LOCATION 1  
BOND COUNTY  
2013 ADT = 1550 (ACTUAL)  
2014 ADT = 1600 (ESTIMATED)  
SU = 4.5%  
MU = 3.9%

LOCATION 2  
GREENE COUNTY  
2013 ADT = 7800 (ACTUAL)  
2014 ADT = 7900 (ESTIMATED)  
SU = 0.7%  
MU = 3.2%

LOCATION 3  
MADISON COUNTY  
2013 ADT = 1250 (ACTUAL)  
2014 ADT = 1300 (ESTIMATED)  
SU = 0.7%  
MU = 1.2%

FILE NAME =	USER NAME = aonoverpj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES, INDEX OF SHEETS, ADT, HIGHWAY STANDARDS, COMMITMENTS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.0000 / 1" = 10'	CHECKED -	REVISED -	CONTRACT NO. 76H42							
PLOT DATE = 8/18/2014	DATE -	REVISED -	SCALE:			SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

100%  
STATE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	ROADWAY	ROADWAY
				0020	0020	0020
				003-0025	031-0016	060-0401
20300100	CHANNEL EXCAVATION	CU YD	50	20	15	15
28100107	STONE RIPRAP, CLASS A4	SQ YD	860	860		
28100109	STONE RIPRAP, CLASS A5	SQ YD	605		485	120
28200200	FILTER FABRIC	SQ YD	1340	860	360	120
67100100	MOBILIZATION	L SUM	1	0.34	0.33	0.33
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.34	0.33	0.33

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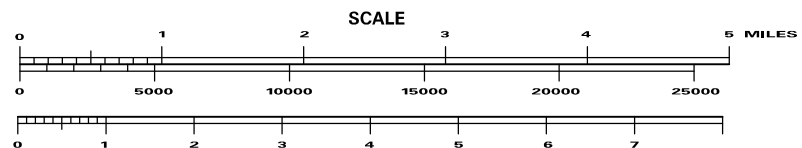
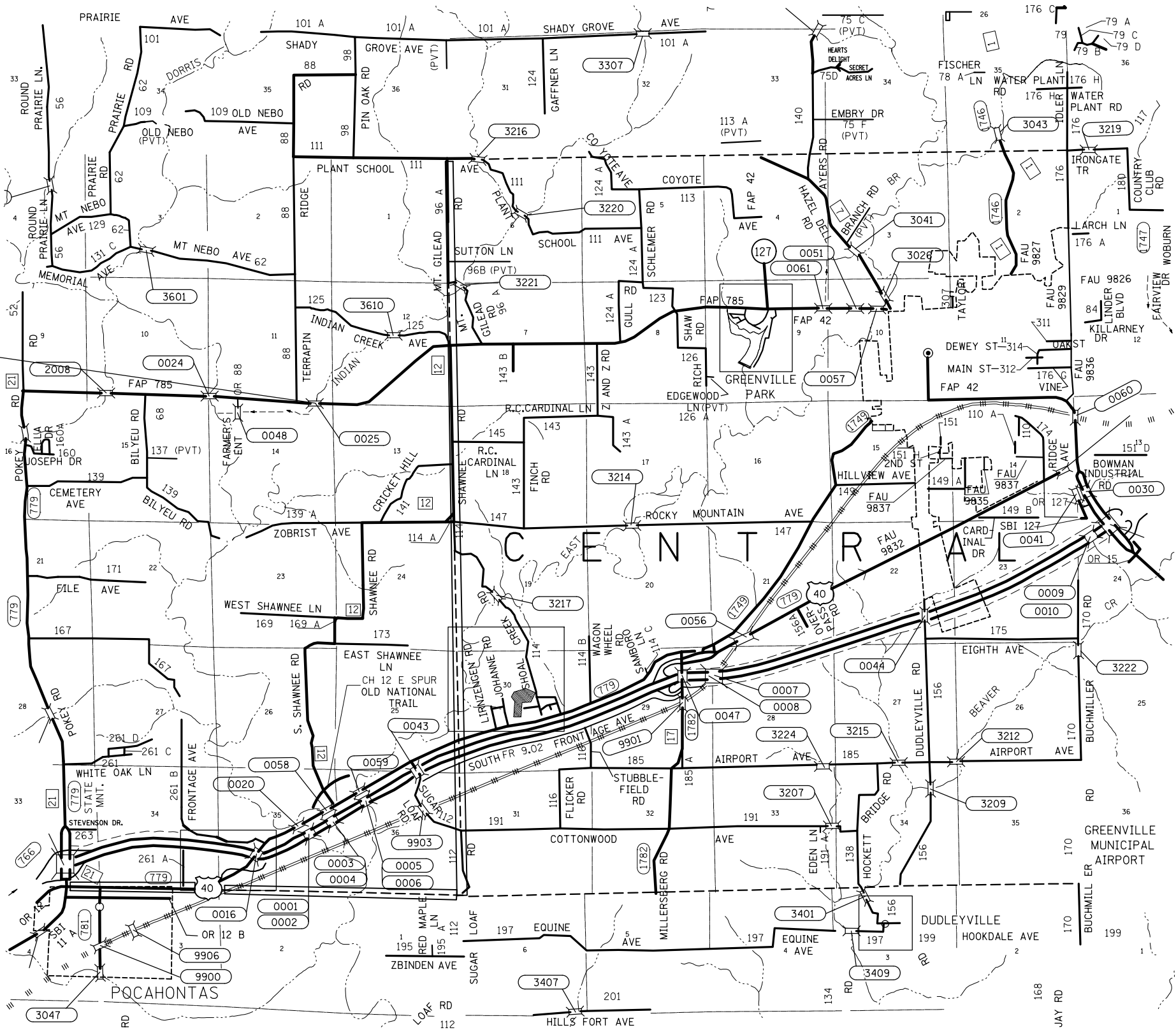
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
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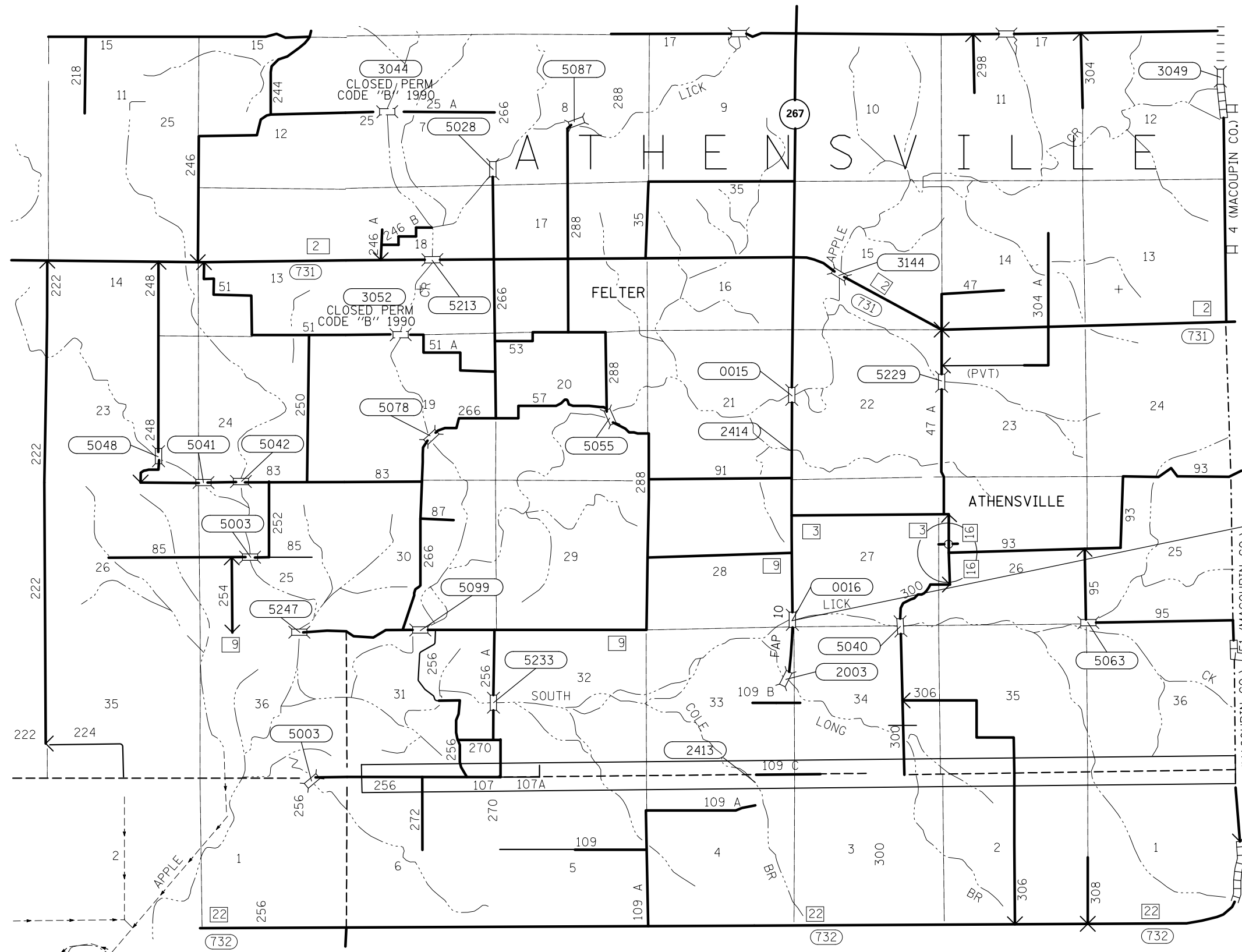
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VAR. DIST 8 SCOUR MIT 2015-1		VARIOUS	9	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 76H42	



LOCATION 1  
IL 140 OVER INDIAN CREEK  
S.N. 003-0025

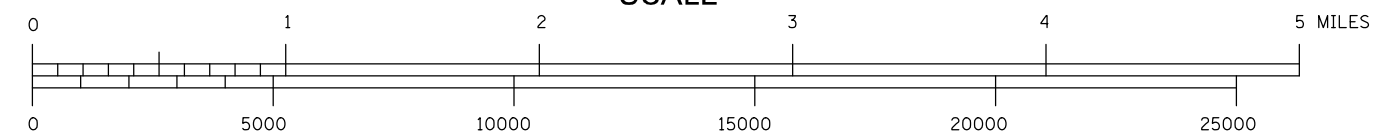


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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE:	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.	VAR. DIST 8 SCOUR MIT 2015-1	VARIOUS	9	4
	PLOT DATE = 8/18/2014	DATE -	REVISED -		CONTRACT NO. 76H42							
								FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LOCATION 2  
IL 267 OVER LICK CREEK  
S.N. 031-0016

SCALE



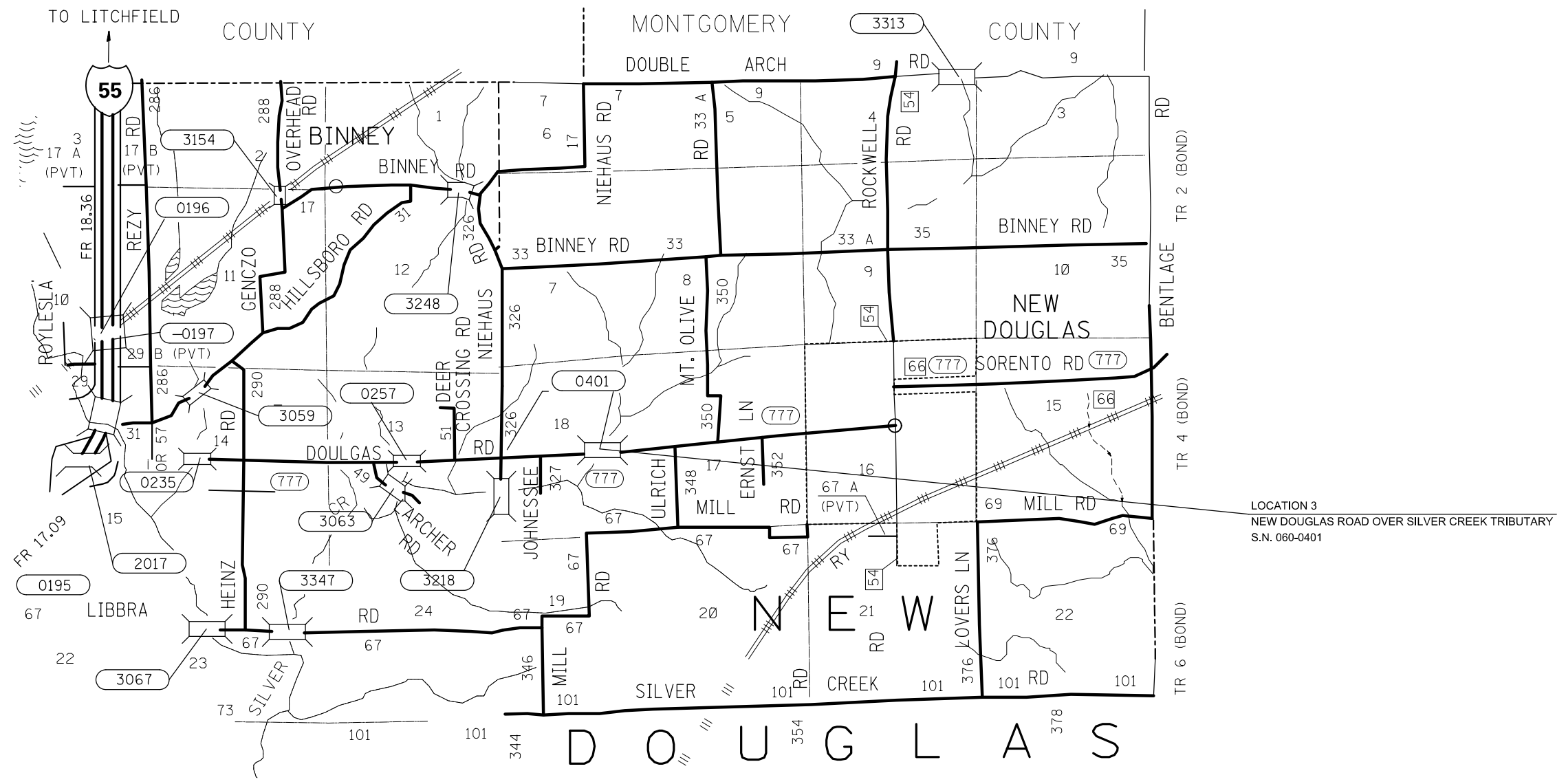
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION 2 - MAP**

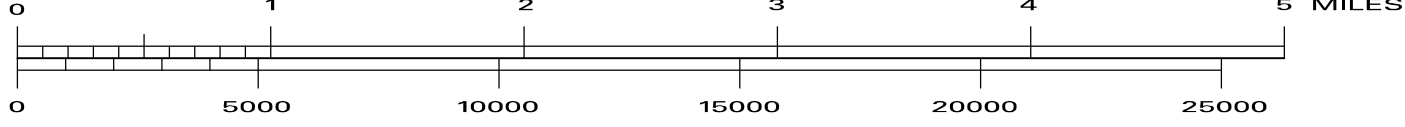
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VAR. DIST 8 SCOUR MIT 2015-1		VARIOUS	9	5
CONTRACT NO. 76H42				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



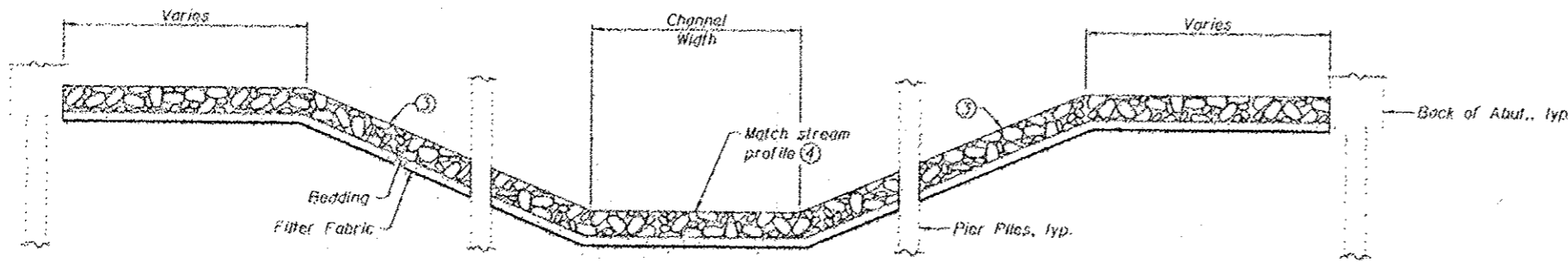
LOCATION 3  
 NEW DOUGLAS ROAD OVER SILVER CREEK TRIBUTARY  
 S.N. 060-0401

SCALE

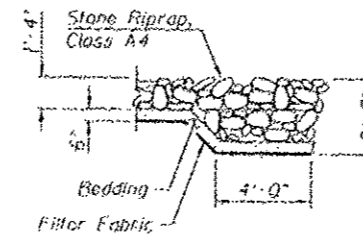


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	PLOT DATE = 8/18/2014	CHECKED -	REVISED -					CONTRACT NO. 76H42				
		DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

Existing Structure: S.M. 003-0025 consists of a three span precast prestressed concrete deck beam superstructure supported on open abutments founded on precast concrete piles and individual pile bent piers founded on precast concrete piles.

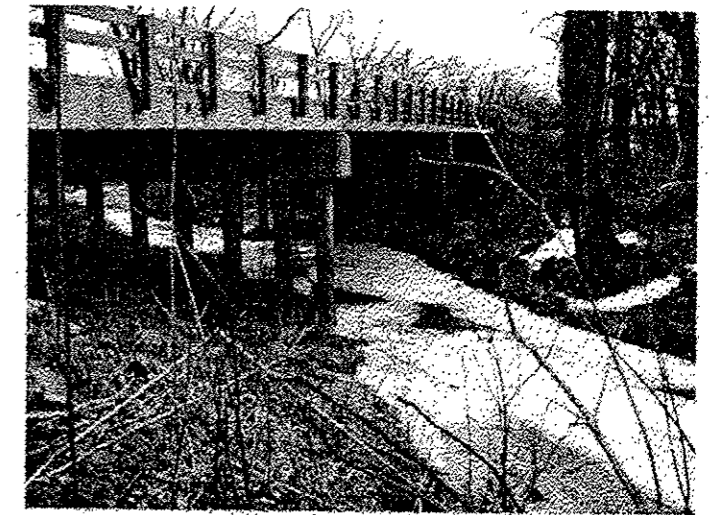


SECTION A-A

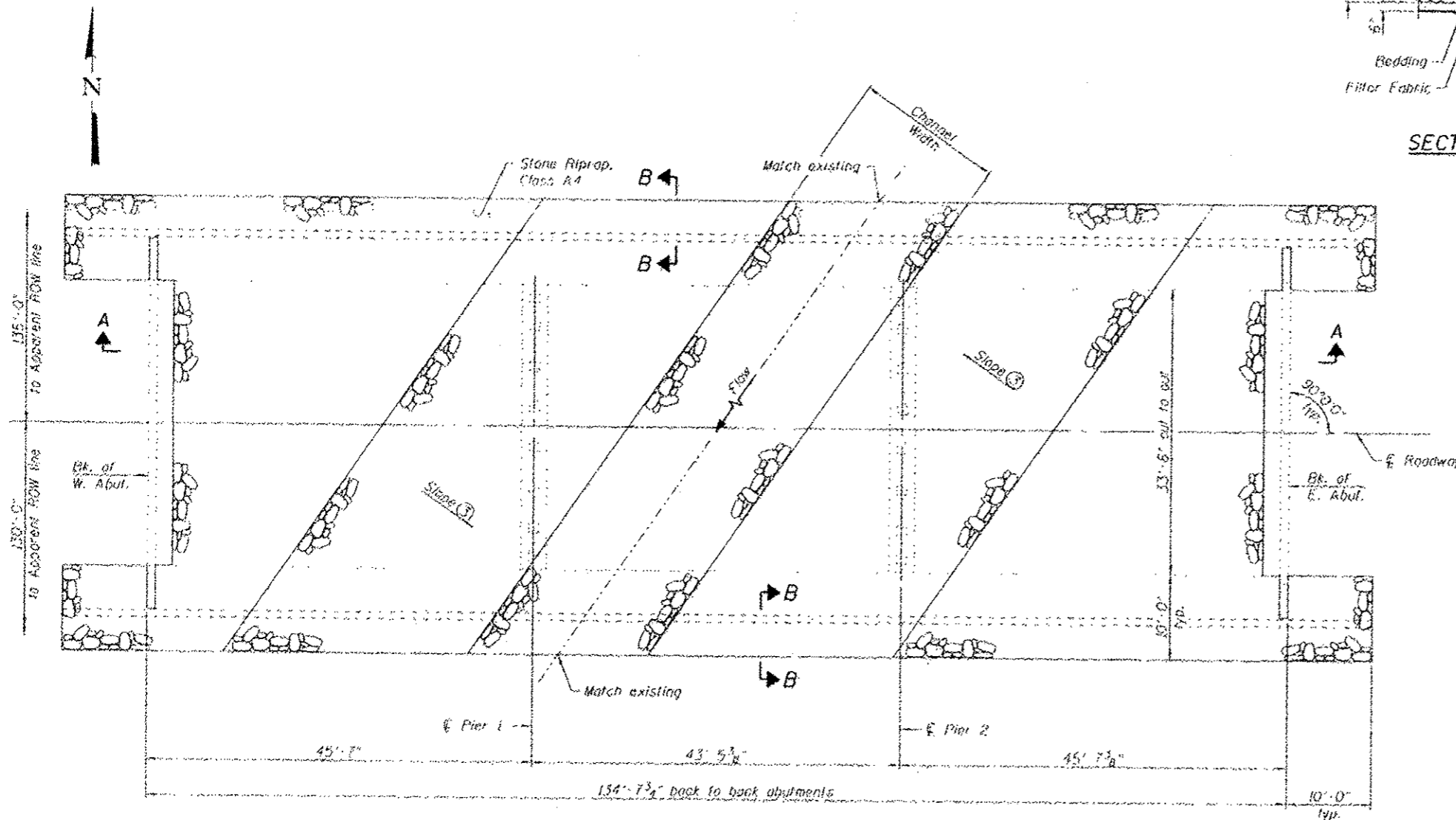


SECTION B-B

- Notes:
- ① The Contractor shall field verify existing dimensions, details, and conditions affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
  - ② Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer. Slope protection system shall be placed in a manner that does not reduce the total waterway opening.
  - ③ Grade channel bank to a slope that will provide a stable base for riprap as directed by the Engineer. Cost included in Channel Excavation.
  - ④ Grade streambed so that the top of the Stone Riprap approximately matches the existing stream profile as directed by the Engineer. Cost included in Channel Excavation.
  - ⑤ Additional excavation and reshaping of channel and bank may be required to facilitate proper placement of Stone Riprap as directed by the Engineer.
  - ⑥ Channel Excavation shall include the cost of removing and disposing of existing riprap, brick, block, rubble, or other material as encountered.
  - ⑦ Contractor to locate existing underground utilities. Where existing underground utilities conflict with riprap placement, the Contractor shall adjust the layout as directed by the Engineer.
  - ⑧ Elevation view shown as of January 30, 2014. Actual conditions may vary.
  - ⑨ Estimated quantities. Actual quantities to be determined in the field.



ELEVATION VIEW ⑧  
(Looking West)



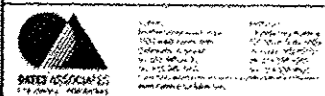
PLAN

TOTAL BILL OF MATERIAL ⑤

CODE NO.	ITEM	UNIT	TOTAL
20300100	Channel Excavation	Cu. Yd.	20
28100107	Stone Riprap, Class A4	Sq. Yd.	860
28200200	Filter Fabric	Sq. Yd.	860

Daniel George Lutz  
067-060382  
LICENSED PROFESSIONAL ENGINEER  
OF ILLINOIS  
DATE: 8/15/2014  
EXPIRATION: 11/30/2015

IL ROUTE 140 OVER INDIAN CREEK  
STRUCTURE NO. 003-0025

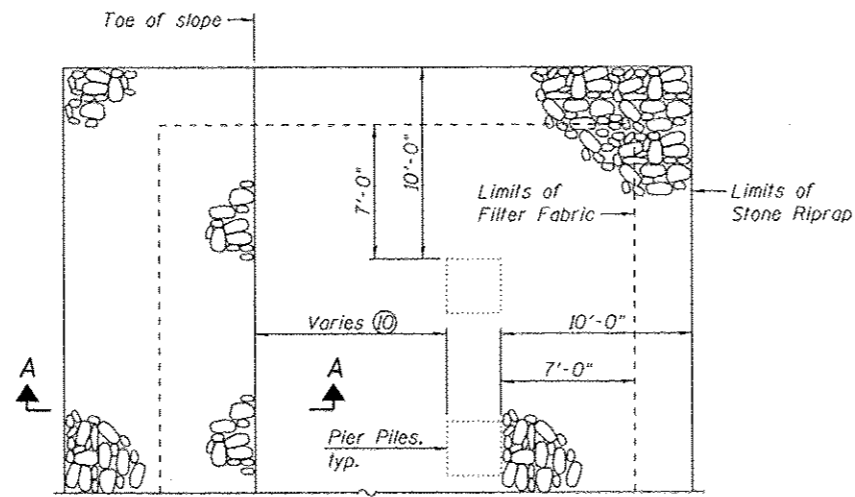


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	DRAWN	JAD	REVISED
	CHECKED	JAD	REVISED

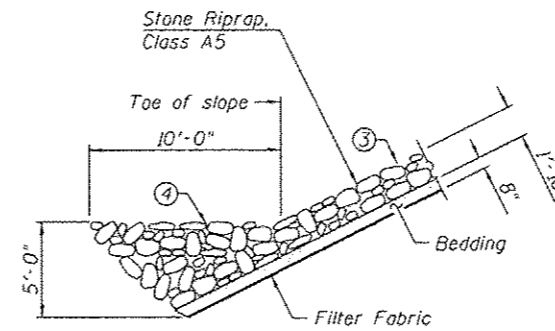
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A. RTL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			9	7

Existing Structure: S.N. 031-0016 consists of a three span continuous steel stringer superstructure supported on open abutments founded on precast concrete piles and protected by concrete slopewalls and individual pile bent piers founded on precast concrete piles.



RIPRAP PROTECTION AT PIER



SECTION A-A

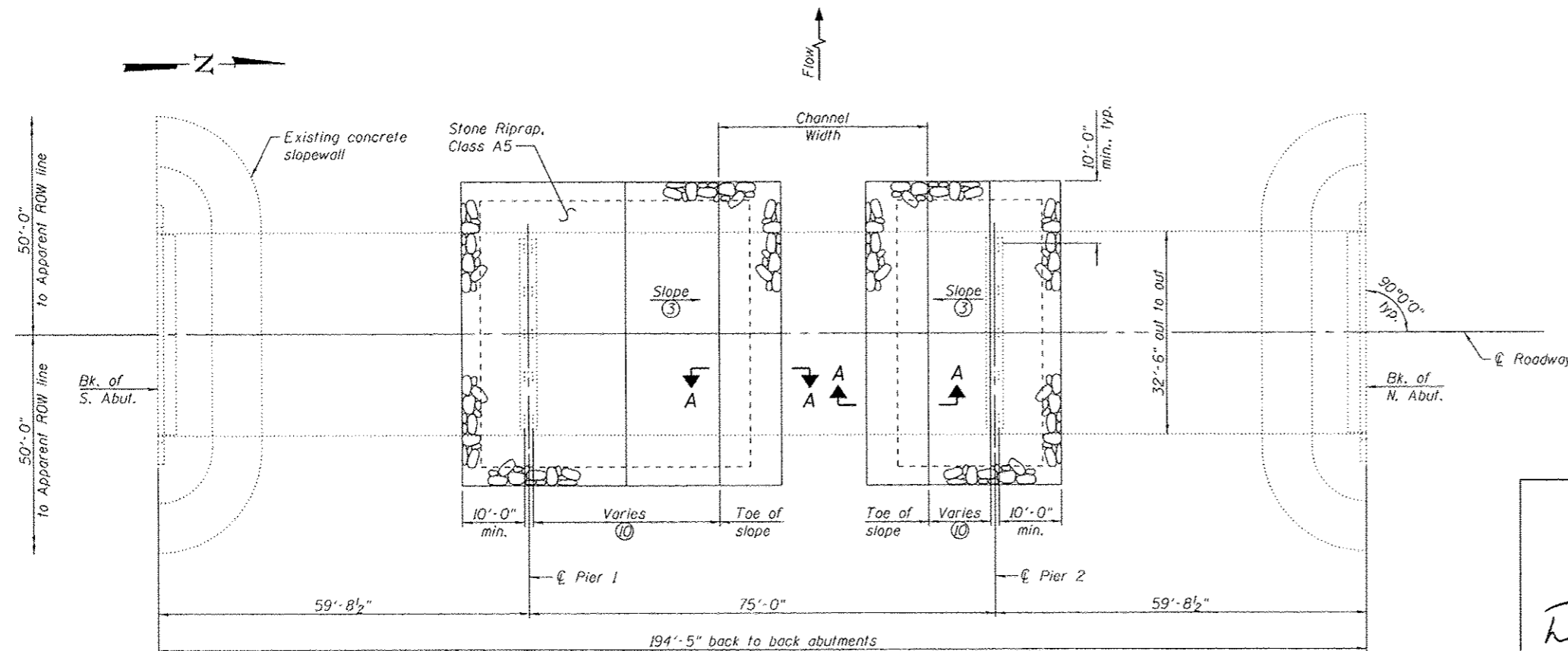
- Notes:
- ① The Contractor shall field verify existing dimensions, details, and conditions affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
  - ② Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer. Slope protection system shall be placed in a manner that does not reduce the total waterway opening or block the flow of the drainage ditches below the structure.
  - ③ Grade channel bank to a slope that will provide a stable base for riprap as directed by the Engineer. Cost included in Channel Excavation.
  - ④ Grade streambed so that the top of the Stone Riprap approximately matches the existing stream profile as directed by the Engineer. Cost included in Channel Excavation.
  - ⑤ Additional excavation and reshaping of channel and bank may be required to facilitate proper placement of Stone Riprap as directed by the Engineer.
  - ⑥ Channel Excavation shall include the cost of removing and disposing of existing riprap, brick, block, rubble, or other material as encountered.
  - ⑦ Contractor to locate existing underground utilities. Where existing underground utilities conflict with riprap placement, the Contractor shall adjust the layout as directed by the Engineer.
  - ⑧ Elevation view shown as of January 30, 2014. Actual conditions may vary.
  - ⑨ Estimated quantities. Actual quantities to be determined in the field.
  - ⑩ Stone Riprap shall extend to the toe of the slope.



ELEVATION VIEW ⑧  
(Looking South)

TOTAL BILL OF MATERIAL ⑨

CODE NO.	ITEM	UNIT	TOTAL
20300100	Channel Excavation	Cu. Yd.	15
28100109	Stone Riprap, Class A5	Sq. Yd.	485
28200200	Filter Fabric	Sq. Yd.	360



PLAN

DANIEL GEORGE LUZ  
062-060383  
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

DATE: 8/15/2014  
EXPIRATION: 11/30/2015

IL ROUTE 267 OVER LICK CREEK  
STRUCTURE NO. 031-0016



USER NAME	DESIGNED	REVISIONS
MAG	MAG	
JAD	JAD	
MAG	MAG	
JAD	JAD	

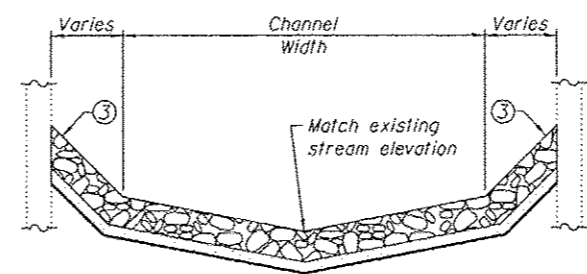
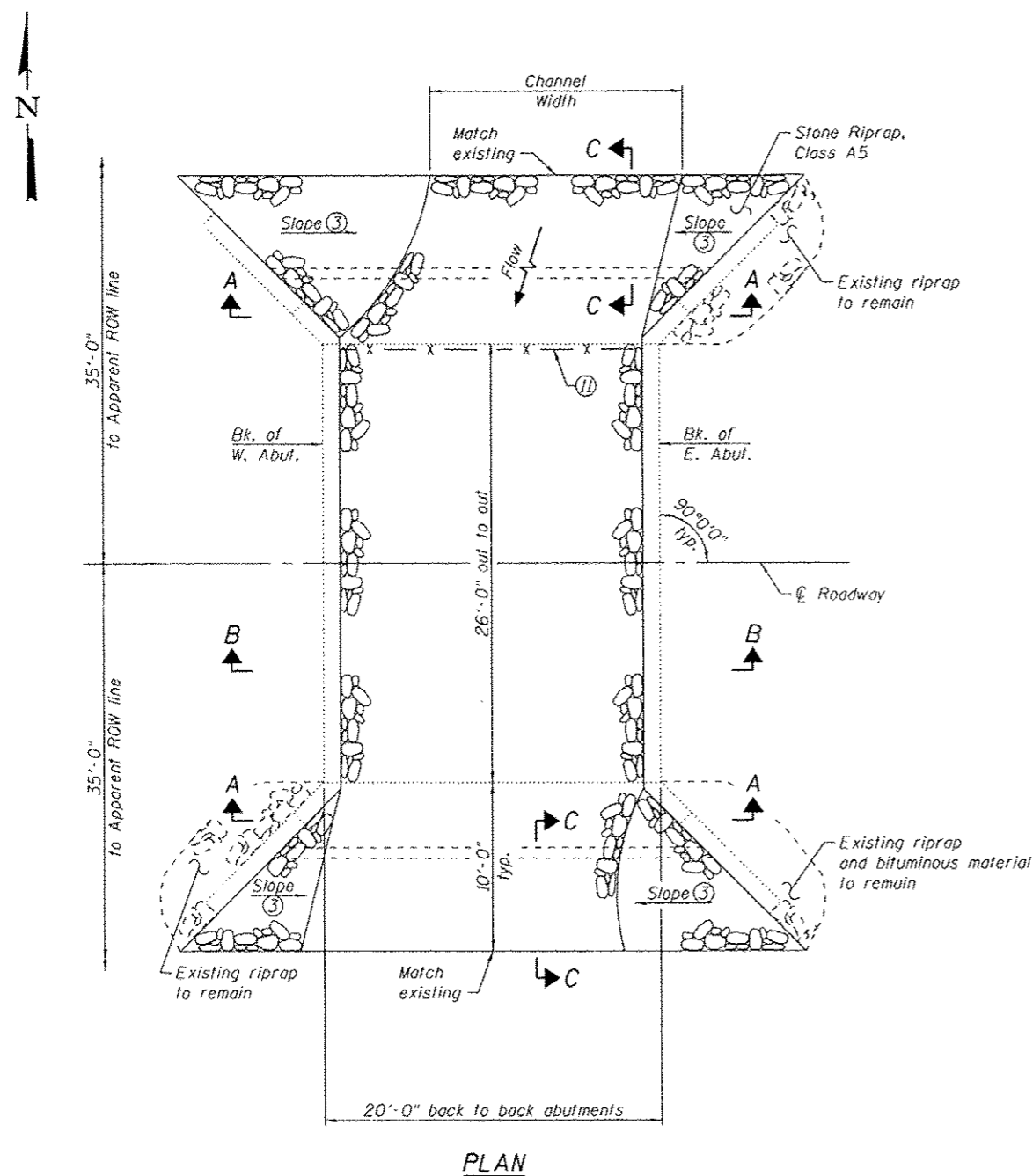
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 1 SHEETS

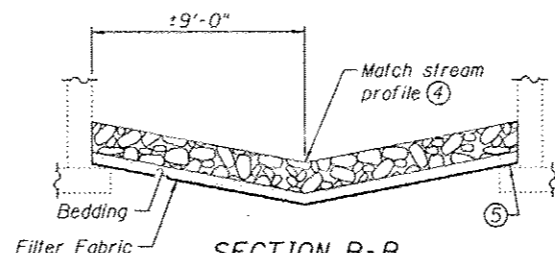
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		GREENE	9	8
			CONTRACT NO. 76H42	
ILLINOIS FED. AID PROJECT				



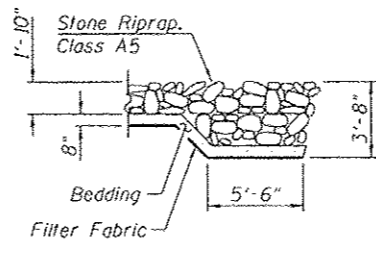
Existing Structure: S.N. 060-0401 consists of a single span slab superstructure supported on concrete closed abutments founded on spread footings.



SECTION A-A

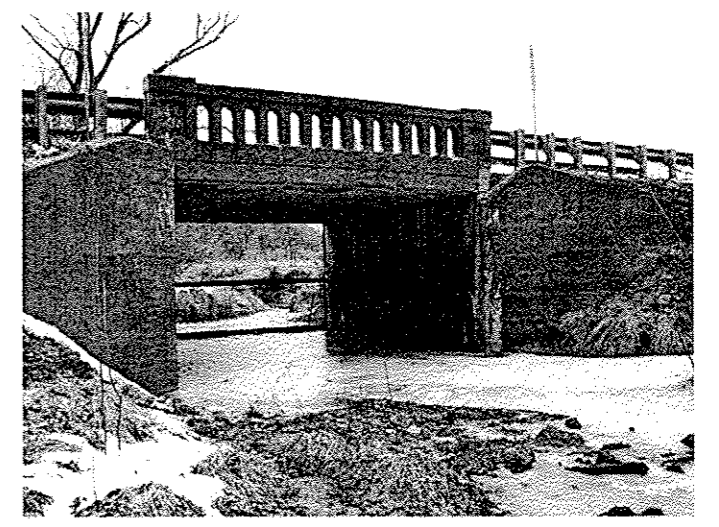


SECTION B-B



SECTION C-C

- Notes:
- ① The Contractor shall field verify existing dimensions, details, and conditions affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
  - ② Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer. Slope protection system shall be placed in a manner that does not reduce the total waterway opening.
  - ③ Grade channel bank to a slope that will provide a stable base for riprap as directed by the Engineer. Cost included in Channel Excavation.
  - ④ Grade streambed so that the top of the Stone Riprap approximately matches the existing stream profile as directed by the Engineer. Cost included in Channel Excavation.
  - ⑤ At the abutment face, the filter fabric shall not be lower than the top of footing.
  - ⑥ Additional excavation and reshaping of channel and bank may be required to facilitate proper placement of Stone Riprap as directed by the Engineer.
  - ⑦ Channel Excavation shall include the cost of removing and disposing of existing riprap, brick, block, rubble, or other material as encountered.
  - ⑧ Contractor to locate existing underground utilities. Where existing underground utilities conflict with riprap placement, the Contractor shall adjust the layout as directed by the Engineer.
  - ⑨ Vertical clearance from streambed to bottom of superstructure is approximately 9'. Elevation view shown as of January 30, 2014. Actual conditions may vary.
  - ⑩ Estimated quantities. Actual quantities to be determined in the field.
  - ⑪ Remove existing fence attached to structure. Cost of removal and disposal included in Channel Excavation.



ELEVATION VIEW ⑨  
(Looking North)

TOTAL BILL OF MATERIAL ⑩

CODE NO.	ITEM	UNIT	TOTAL
20300100	Channel Excavation	Cu. Yd.	15
28100109	Stone Riprap, Class A5	Sq. Yd.	120
28200200	Filter Fabric	Sq. Yd.	120

Daniel D. Lutz
   
 DATE: 8/15/2014
   
 EXPIRATION: 11/30/2015

NEW DOUGLAS ROAD OVER SILVER CREEK TRIBUTARY  
STRUCTURE NO. 060-0401