

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(10B-1)BRR	ADAMS	6	1
		ILLINOIS	CONTRACT NO. 72N39	

INDEX OF SHEETS

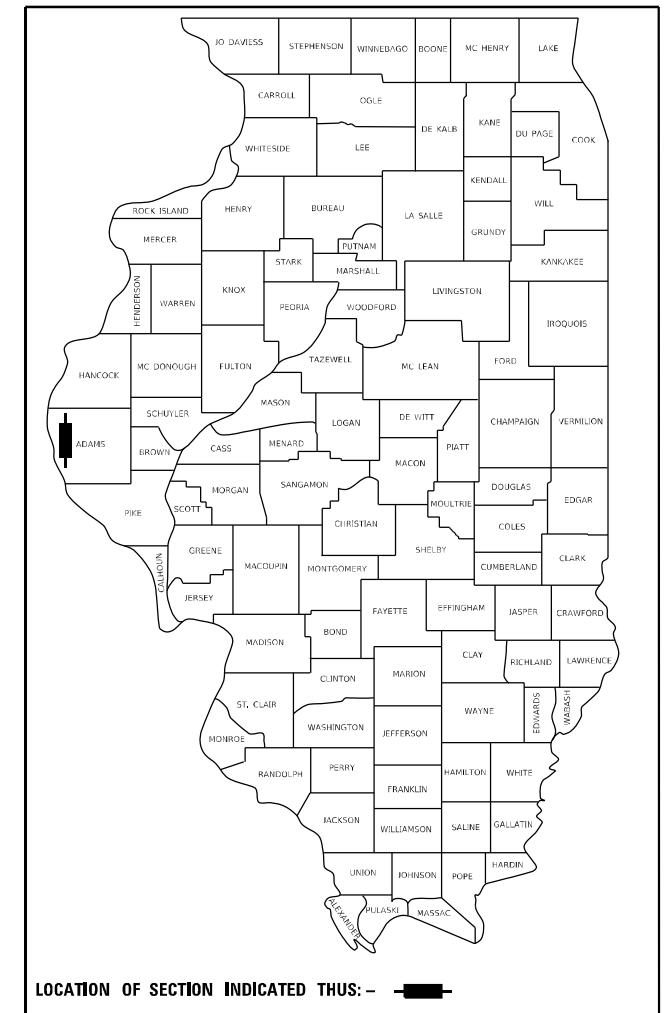
- 1 COVER
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 GENERAL PLAN & ELEVATION
- 5 RIPRAP DETAIL
- 6 SOIL BORING

PROPOSED  
HIGHWAY PLANS

ROUTE: FAP 506 (IL 96)  
SECTION (10B-1)BRR  
CONTRACT MAINTENANCE  
SCOUR MITIGATION  
ADAMS COUNTY

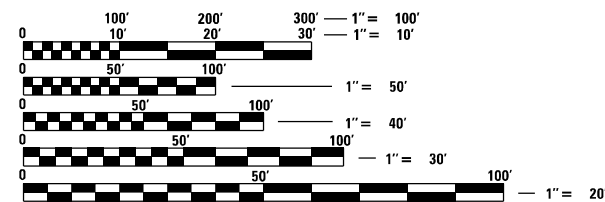
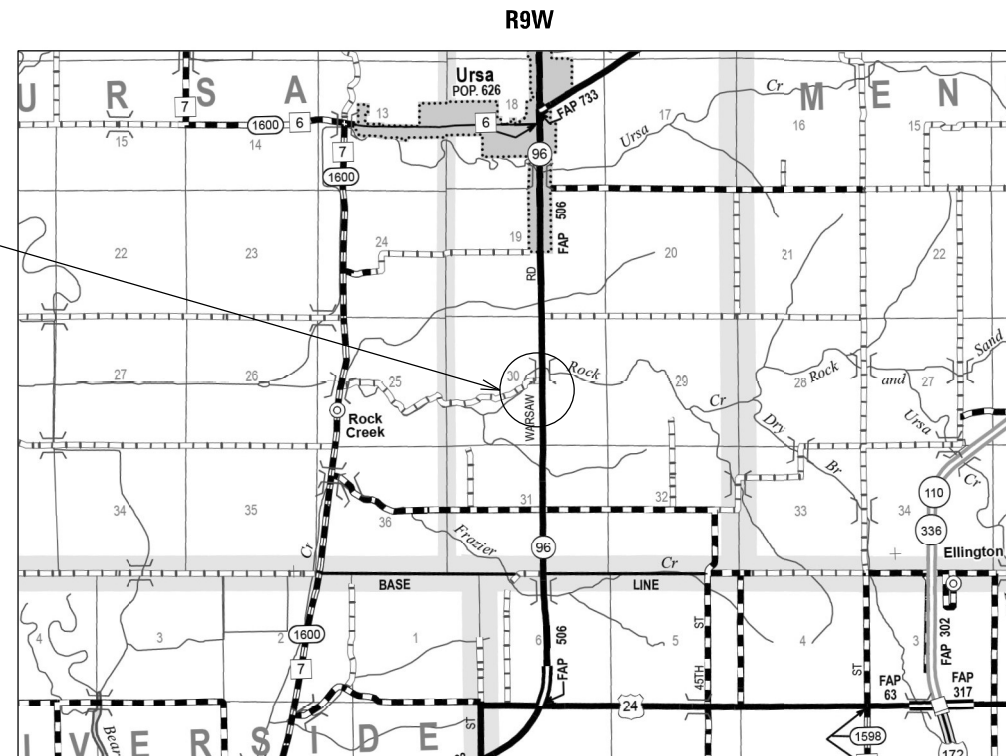
C-96-020-22

D-96-016-22



FUNCT. CLASS: MINOR ARTERIAL  
ADT: 4400 (2021)  
MU: 2.73%  
SU: 3.41%  
PV: 93.86%

PROJECT LOCATION  
SN 001-0008  
STA 141+19.50



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 EXCAVATORS  
1-800-892-0123  
OR 811

PROJECT ENGINEER: BRANDON DUDLEY  
PROJECT MANAGER: FRANK CARABALLO

GROSS LENGTH = 52.8 FT. = 0.01 MILE  
NET LENGTH = 52.8 FT. = 0.01 MILE

CONTRACT NO. 72N39

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 17, 2023

*Jeffrey P. Murray*  
REGIONAL ENGINEER

June 30, 2023

*Scott A. Etk*  
ENGINEER OF DESIGN AND ENVIRONMENT

June 30, 2023

*Stephen M. Smith*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

### GENERAL NOTES

1. THE CONTRACTOR SHALL NOTIFY THE DISTRICT SIX BUREAU OF OPERATIONS AT (217) 782-7314 THREE WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL.
2. VOLUMES PROVIDED ARE APPROXIMATIONS MADE FROM AVAILABLE SURVEYS. THE CONTRACTOR SHALL VERIFY THE EXISTING RIPRAP VOLUMES.
3. THE RIPRAP FINISHED SURFACE SHALL BE INSTALLED TO MATCH ADJACENT GROUND. EXCAVATION SHALL BE REQUIRED TO ACCOMMODATE THE FULL DEPTH OF RIPRAP SPECIFIED.
4. ANY DISTURBED AREAS WITHIN THE ROW SHALL BE REGRADED, FERTILIZED, AND SEEDED PER SECTION 250 OF THE STANDARD SPECIFICATIONS. ALL COSTS ASSOCIATED WITH RESTORING THE ROW SHALL BE INCLUDED IN THE UNIT BID PRICE FOR RIPRAP PAY ITEMS AND WILL NOT BE MEASURED FOR PAYMENT.

### COMMITMENTS

TREES EQUAL TO OR GREATER THAN 3 INCHES IN DIAMETER SHALL NOT BE REMOVED BETWEEN APRIL 1 TO SEPTEMBER 30.

### APPLICATION RATES

- STONE DUMPED RIPRAP 1.50 TON/CU. YD.

### STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45MPH
- 701901-08 TRAFFIC CONTROL DEVICES

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
DISTRICT 6**

EXAMINED           May, 8   20      23

*[Signature]*  
ENGINEER OF OPERATIONS

EXAMINED           May, 2   20      23

*[Signature]*  
ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED           May, 12   20      23

*[Signature]*  
ENGINEER OF PROGRAM DEVELOPMENT

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PLOT DATE = 5/16/2023	DATE -	REVISED +

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

SCALE: \_\_\_\_\_ SHEET OF SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(10B-1)BRR	ADAMS	6	2
CONTRACT NO. 72N39			ILLINOIS   FED. AID PROJECT	

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CODE	ITEM	UNIT	TOTAL	PPS: 0-02178-6006
				100% STATE
				BRIDGE
				0048
				S.N.001-0008
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	80	80
20200200	ROCK EXCAVATION	CU YD	43	43
28100809	STONE DUMPED RIPRAP, CLASS A5	TON	491	491
50104650	SLOPE WALL REMOVAL	SQ YD	67	67
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
X0426200	DEWATERING	L SUM	1	1
X1200235	REMOVE EXISTING RIPRAP	CU YD	122	122

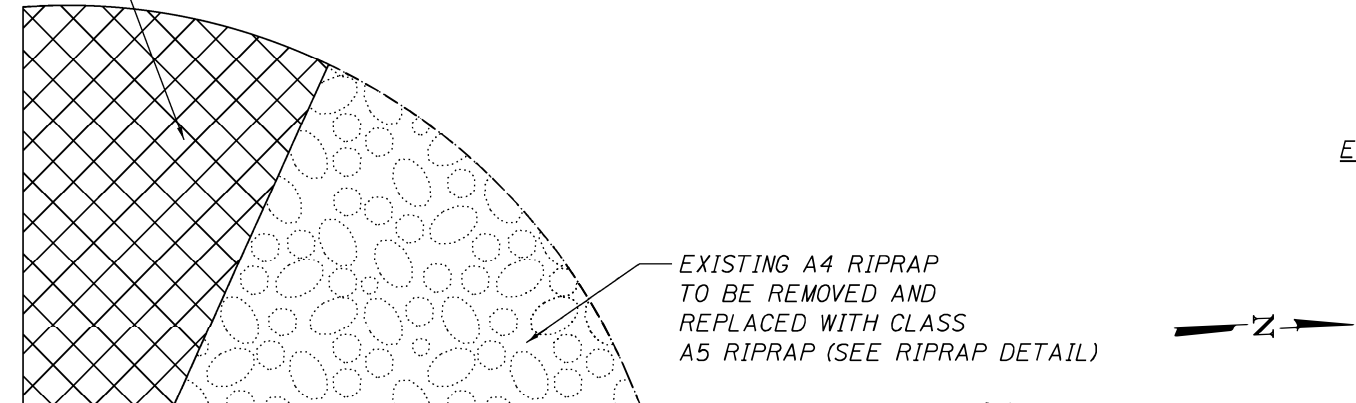
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(10B-1)BRR	ADAMS	6	3
			CONTRACT NO. 72N39	
		ILLINOIS	FED. AID PROJECT	

EXISTING SLOPE WALL TO BE REMOVED

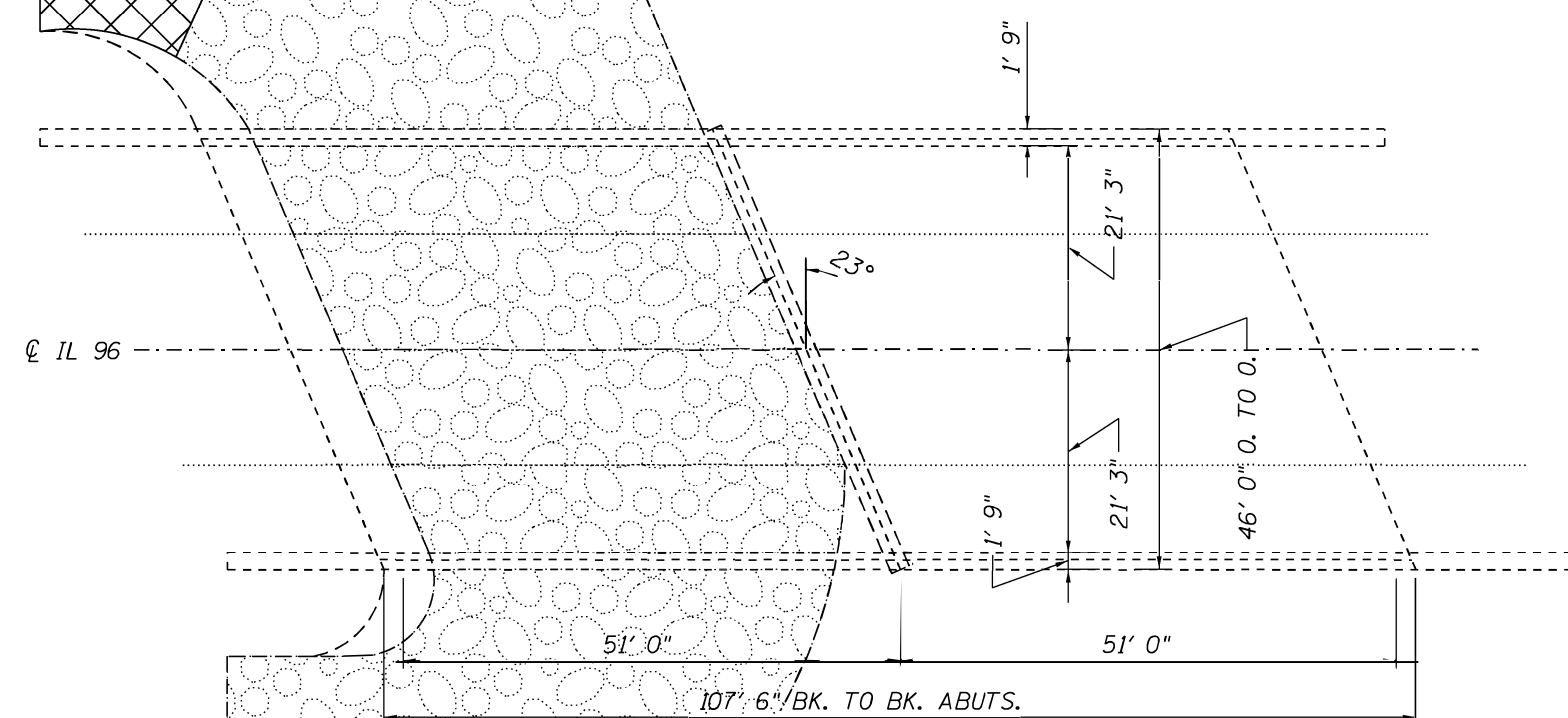


W36 BEAM

EXISTING A4 RIPRAP TO BE REMOVED AND REPLACED WITH CLASS A5 RIPRAP (SEE RIPRAP DETAIL)

ELEVATION

EXISTING A4 RIPRAP TO BE REMOVED AND REPLACED WITH CLASS A5 RIPRAP (SEE RIPRAP DETAIL)

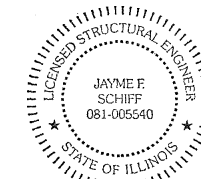


EXISTING A4 RIPRAP TO BE REMOVED AND REPLACED WITH CLASS A5 RIPRAP (SEE RIPRAP DETAIL)

PLAN

TOTAL BILL OF MATERIAL (001-0008)

ITEM	UNIT	QUANTITY
Remove Existing Riprap	Cu. Yd.	122
Slope Wall Removal	Sq. Yd.	67
Rock Excavation	Cu Yd.	43
Dewatering	L Sum	1
Stone Dumped Riprap, Class A5	Ton	491



EXPIRES 11-30-2024

Jayme F. Schiff

STRUCTURE GENERAL NOTES:

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS 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 THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

ANY DISTURBANCES TO THE EXISTING RIGHT OF WAY SHALL BE RE-GRADED AND RE-SEEDED PER SECTION 250 OF THE STANDARD SPECIFICATIONS. ALL COSTS ASSOCIATED WITH THIS SHALL BE CONSIDERED INCIDENTAL TO THE RIPRAP PLACEMENT AND SHALL NOT BE MEASURED FOR PAYMENT SEPARATELY.

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




STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

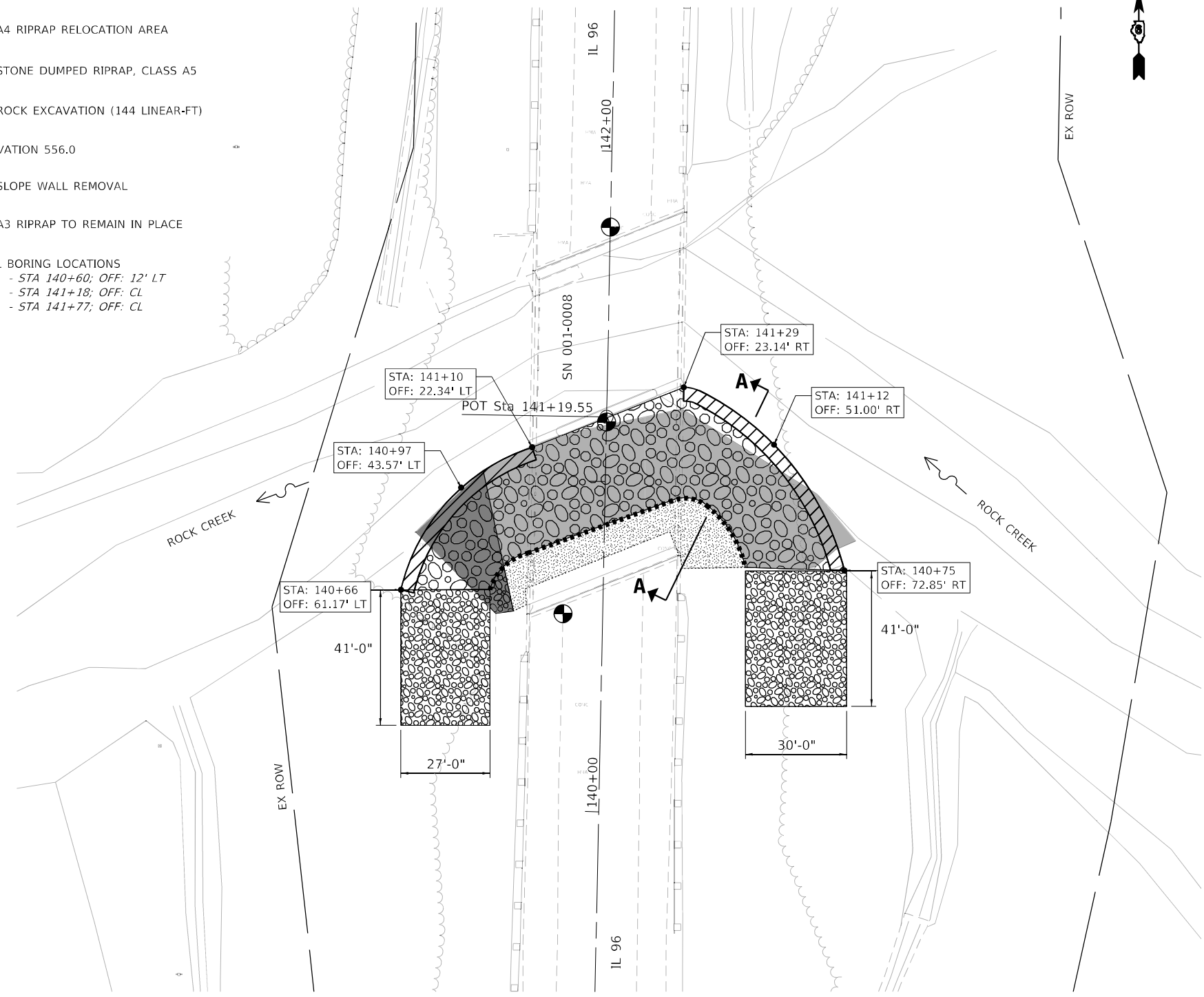
GENERAL PLAN & ELEVATION  
SN 001-0008

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

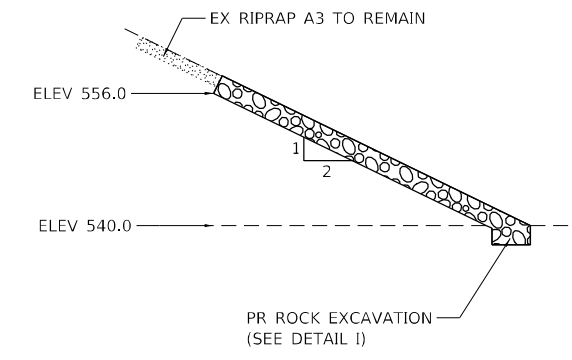
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506	(10B-1)BRR	ADAMS	6	4
CONTRACT NO. 72N39			ILLINOIS FED. AID PROJECT	

LEGEND

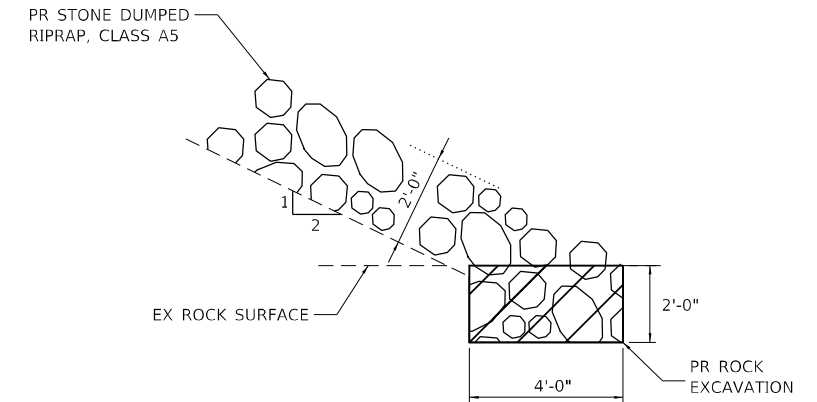
-  PR REMOVAL OF EXISTING A4 RIPRAP FOR RELOCATION
-  PR A4 RIPRAP RELOCATION AREA
-  PR STONE DUMPED RIPRAP, CLASS A5
-  PR ROCK EXCAVATION (144 LINEAR-FT)
-  ELEVATION 556.0
-  PR SLOPE WALL REMOVAL
-  EX A3 RIPRAP TO REMAIN IN PLACE
-  SOIL BORING LOCATIONS
  - STA 140+60; OFF: 12' LT
  - STA 141+18; OFF: CL
  - STA 141+77; OFF: CL



PLAN



SECTION A-A



DETAIL I

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

**RIPRAP DETAIL**  
**SN 001-0008**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(108-1)BRR	ADAMS	6	5
CONTRACT NO. 72N39				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS  
DEPARTMENT OF PUBLIC WORKS & BUILDINGS  
DIVISION OF HIGHWAYS

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
36	10B-1	Adams	71	28
SHEET NO. 10				
10 SHEETS				

Boring No. 1  
Station 140+60  
Offset 12' LEFT OF CL

Elevation	N	Qu / L.L.	w (%)
560.4			
Ground Surface			
BROWN SILTY CLAY LOAM AND ROCK - FILL - MOIST			
20	0.6	11	
20% STRAIN			
554.4	0.6	24	
BROWN SILTY CLAY - FILL - DRY			
15% STRAIN			
10	2.9	21	
13	2.0	18	
15	2.0	16	
546.4			
BROWN SANDY LOAM - FILL - MOIST			
5% STRAIN			
4	0.6	12	
542.9			
GRAY SANDY CLAY LOAM - MFT			
20% STRAIN			
5	1.0	19	
541.4			
LIESTONE - UPPER GRAY ARGILLACEOUS, BOTTOM MEDIUM TO COARSE GRAINED, FOSSILIFEROUS, WITH THIN LAYERS OF CHERT 19.0' TO 20.0' THIN BEDDED, HARD 20.0' TO 21.0' THIN BEDDED, SOFT 21.0' TO 24.0' THICK BEDDED RETAINED 38" OF 60"		CORE	
20			
536.4			
BORING COMPLETED			
-25			

Boring No. 2  
Station 141+18  
Offset CL

Elevation	N	Qu / L.L.	w (%)
541.9			
Ground Surface			
TAN & GRAY COARSE SAND & LARGE LIMESTONE GRAVEL			
539.4			
LIESTONE - ARGILLACEOUS, FOSSILIFEROUS, THIN BEDDED, FINE TO MEDIUM GRAIN WITH THICK LAYERS OF CHERT - RETAINED 30" OF 60"		CORE	
534.4			
BORING COMPLETED			

Boring No. 3  
Station 141+77  
Offset CL

Elevation	N	Qu / L.L.	w (%)
556.7			
Ground Surface			
BROWN SILTY CLAY LOAM - MOIST			
550.2			
AN OUTCROP ON THE NORTH BANK OF ROCK CREEK IS APPROXIMATELY 12 FEET SOUTH OF THE NORTH ABUTMENT. THE OUTCROP IS COMPOSED OF GRAY MEDIUM GRAINED FOSSILIFEROUS LIMESTONE -6.5' TO -11.5' THIN BEDDED WITH SOME TO SHALEY PARTINGS AND THIN BEDS OF CHERT -11.5' TO -16.5' THIN BEDDED WITH THICK LAYERS OF CHERT SOME GEODES AND SHALEY AREAS. THE OUTCROP SEEMS TO BE SOUND.			

Surface Water El. \_\_\_\_\_  
Groundwater El. at Completion 554.4  
After 18 Hours

N-Standard Penetration Test - Blows per foot to drive 2" Q.D. Split Spoon Sampler 12" with 140# hammer falling 30"

Qu-Unconfined Compressive Strength -  $\frac{W}{A}$  w-Water Content - percentage of oven dry weight-%

Type failure  
B-Bulge Failure  
S-Shear Failure  
E-Estimatd Value  
P-Penetrometer

DESIGNED *Kenneth Nelson PE*  
CHECKED *B.R. Thaker*  
DRAWN *S. Ustornik*  
CHECKED *KF.*

EXAMINED *[Signature]*  
PASSED *[Signature]*  
APPROVED *[Signature]*

BORING DATA  
ROCK CREEK  
SBI RT. 36-SEC. 10B-1  
ADAMS COUNTY  
STATION 141+19.55

2BI Wtc 32 250' 10B-1 Adams Co. Ditz C

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	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
506	(10B-1)BRR	ADAMS	6	6
CONTRACT NO. 72N39				
ILLINOIS FED. AID PROJECT				