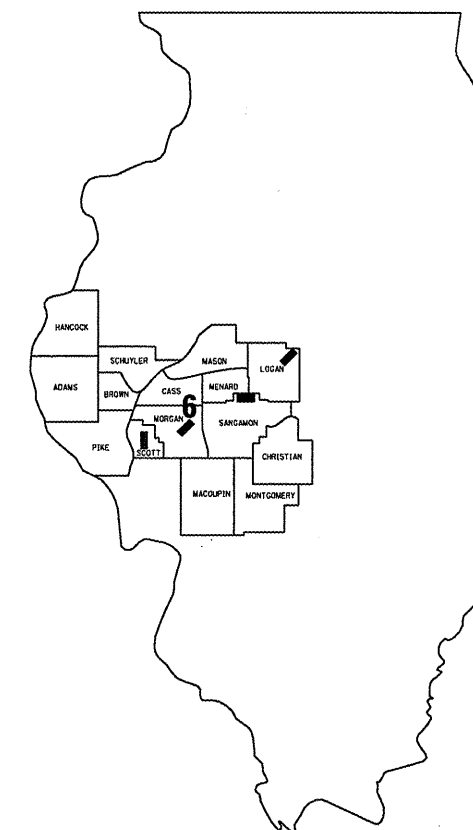


FOR INDEX OF SHEETS AND HIGHWAY
STANDARDS, SEE SHEET 2.

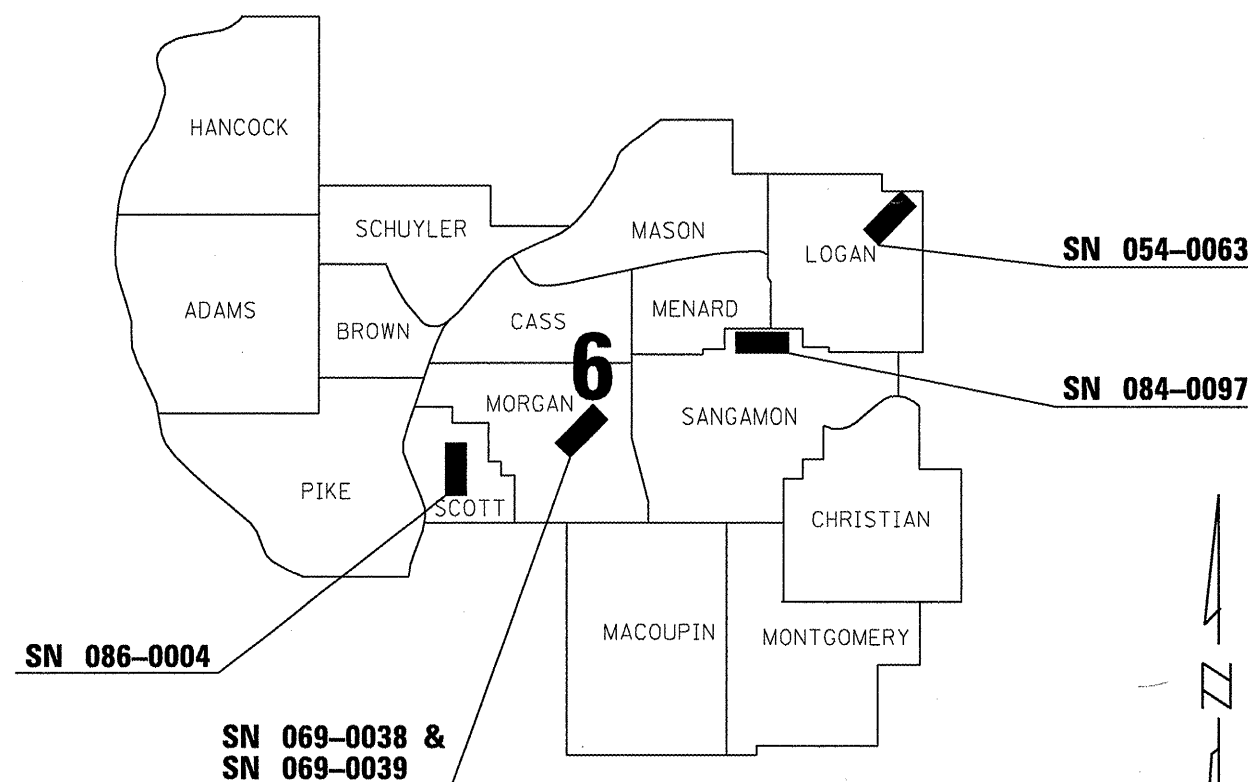
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

CONTRACT: 72C84
SHEET 1 OF 18

**PROPOSED
HIGHWAY PLANS
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES
C96-079-09 / D96-079-09**



LOCATION OF SECTION INDICATED THUS: ■



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

BRIDGE INSPECTION ENGINEER: DAVE COPENBARGER
PHONE: (217) 785-5306

NET LENGTH OF SEC 560 FT=0.11 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 3/30 20 09

Rory L. Prisk
DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER

May 8, 20 09
Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT

May 8, 20 09
Christine M. Reed
DIRECTOR, DIVISION OF HIGHWAYS

CONTRACT NO. 72C84

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

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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 A 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.

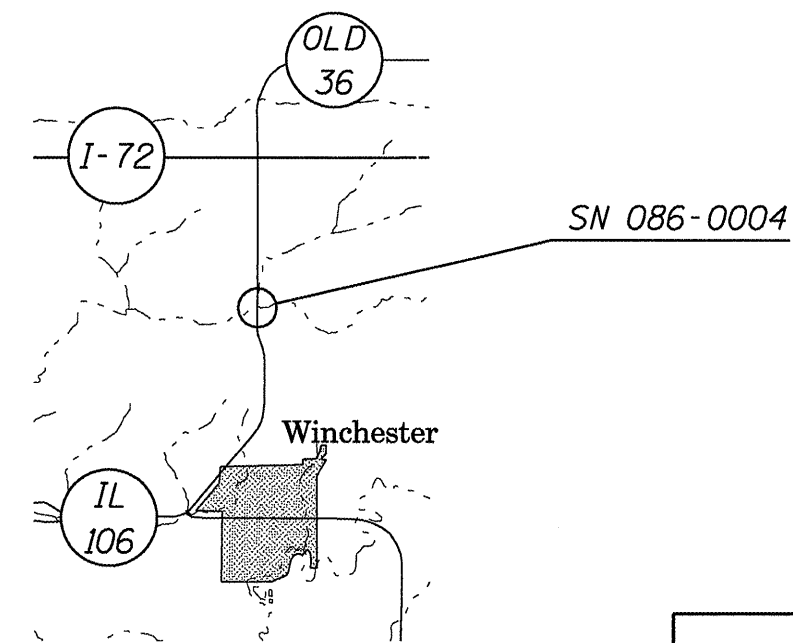
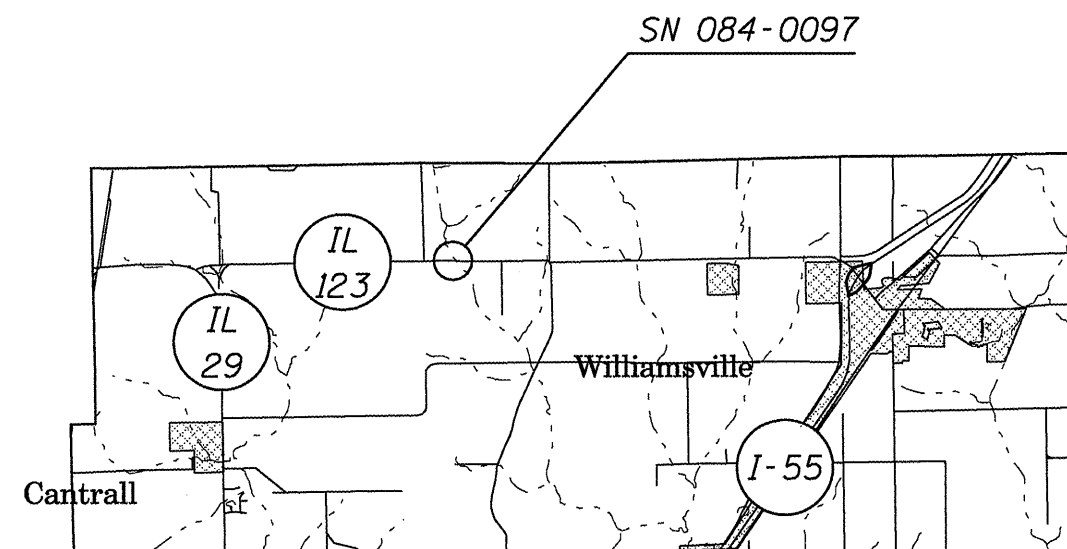
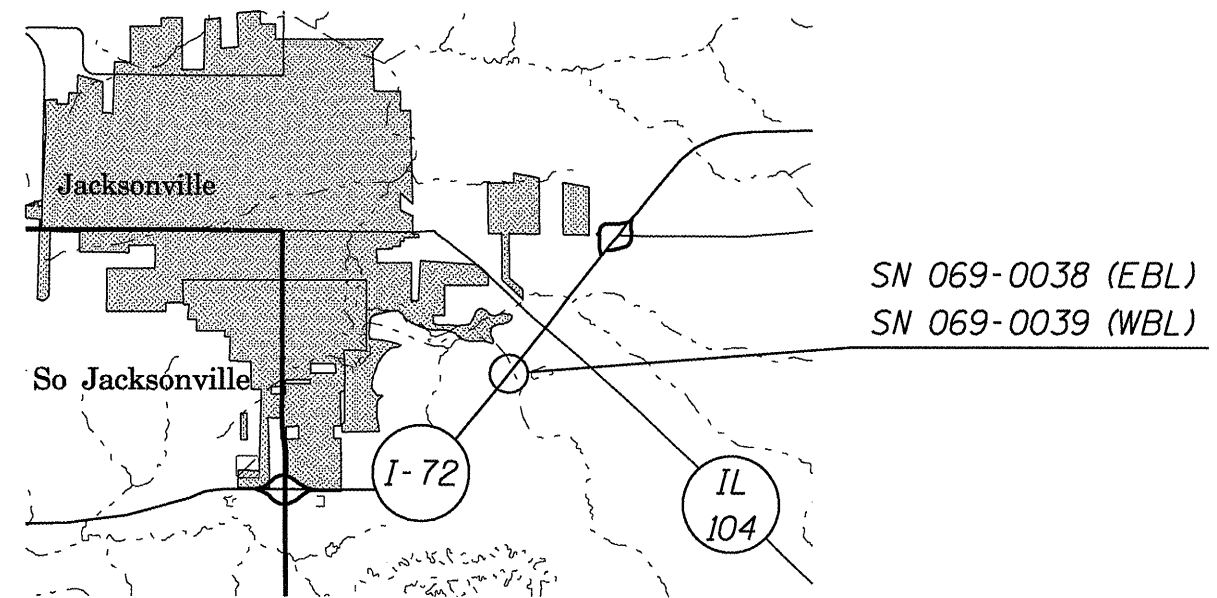
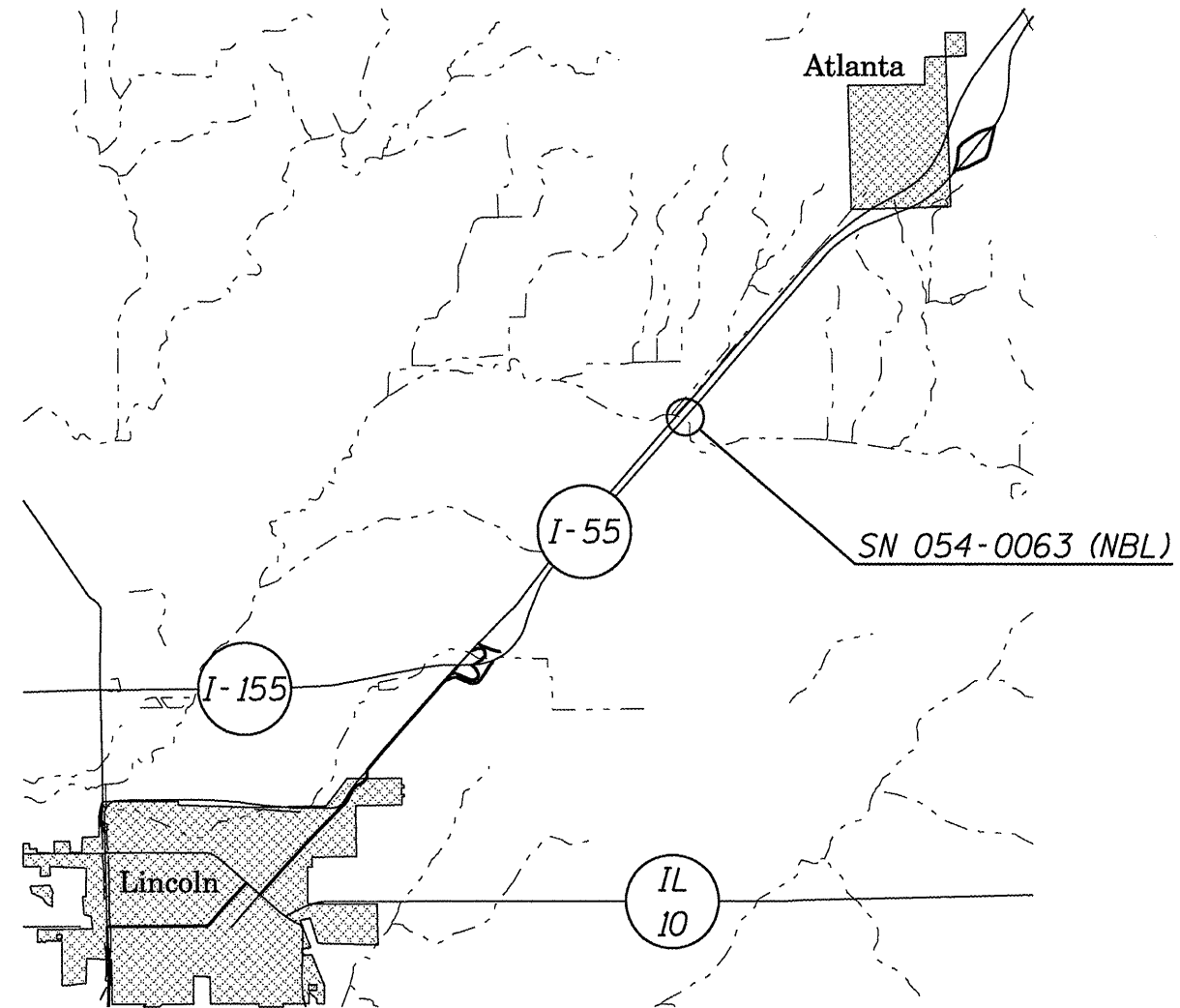
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS DISTRICT 6	
EXAMINED	March 25 20 09 <i>[Signature]</i> ENGINEER OF OPERATIONS
EXAMINED	March 25 20 09 <i>[Signature]</i> ENGINEER OF PROGRAM IMPLEMENTATION
EXAMINED	March 20 20 09 <i>[Signature]</i> ENGINEER OF PROGRAM DEVELOPMENT

INDEX, STDS, & GENERAL NOTES
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES

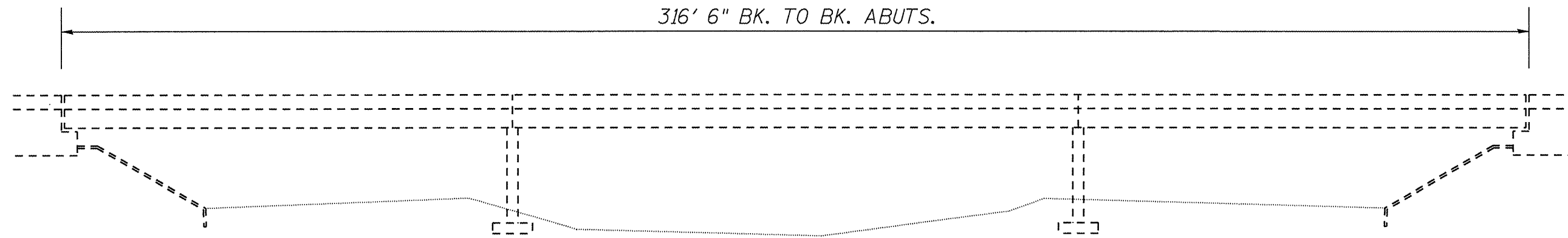
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Rev.

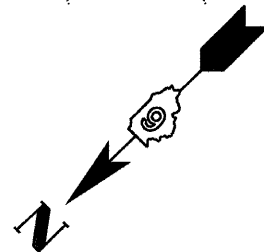
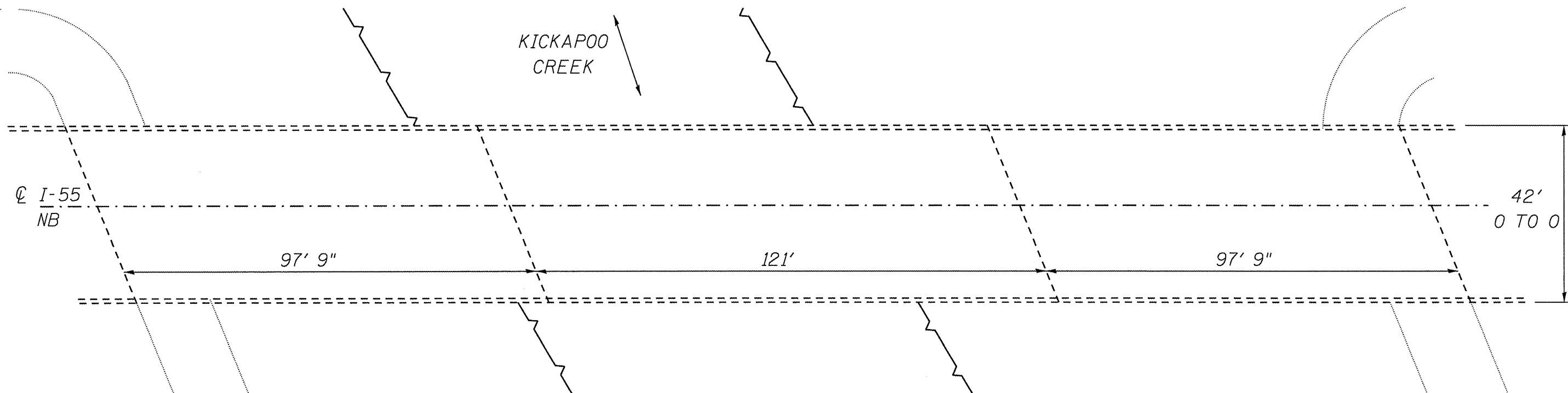
QUANTITIES
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES



LOCATION MAPS
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES

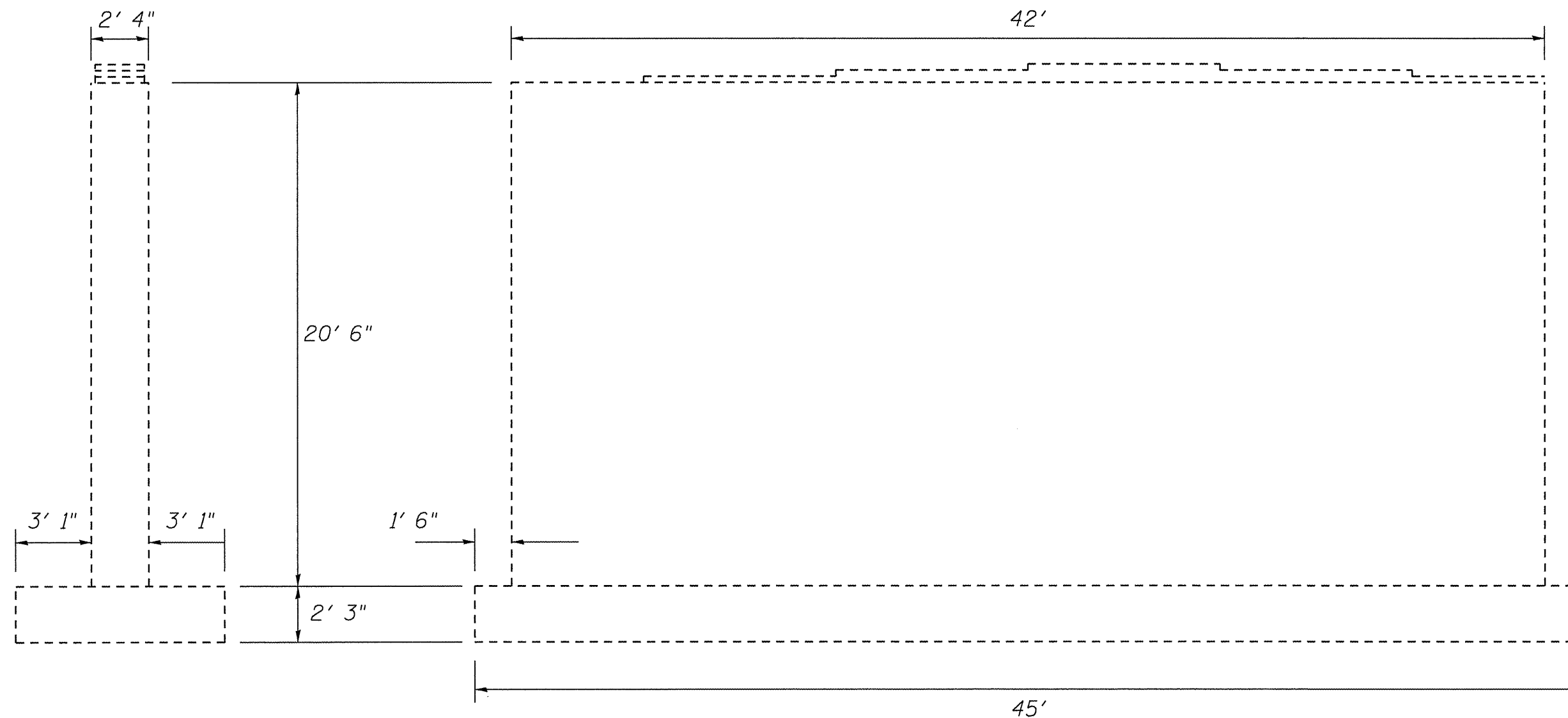


ELEVATION



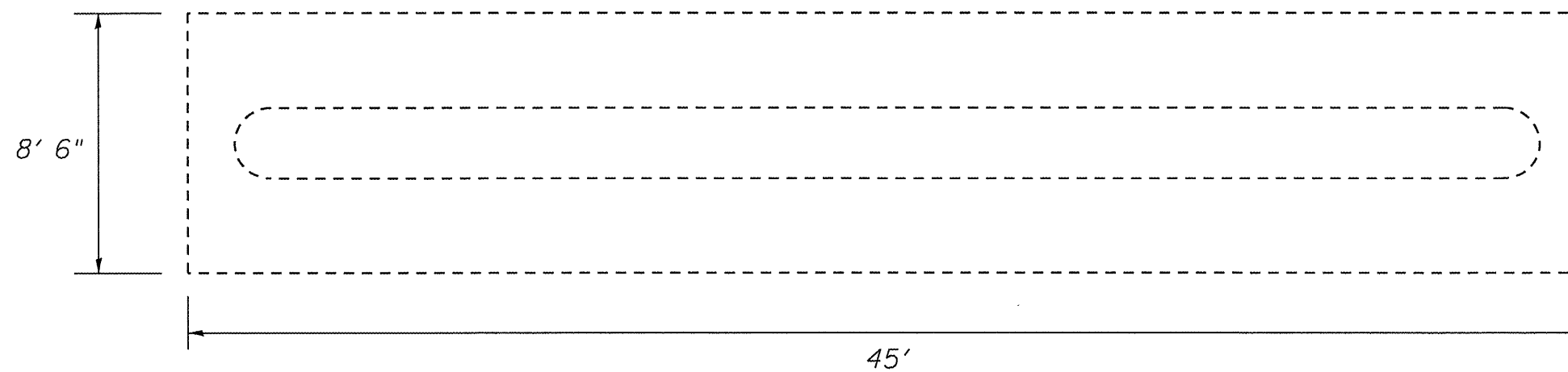
PLAN

054-0063 PLAN & ELEVATION
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES



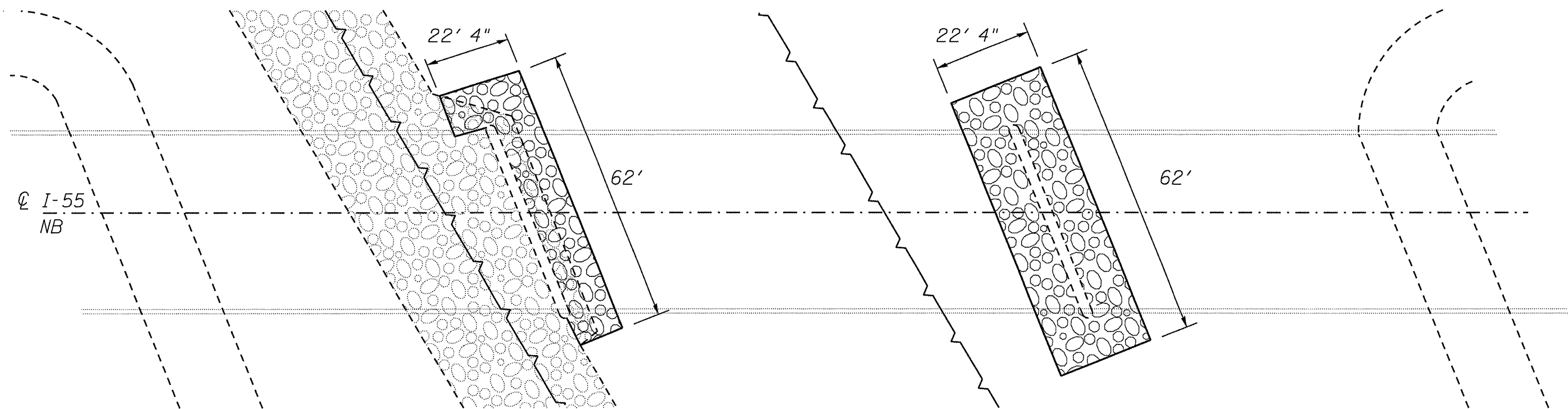
END VIEW

ELEVATION

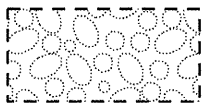


FOOTING PLAN

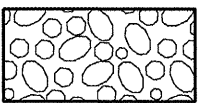
054-0063 PIER DETAIL
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES



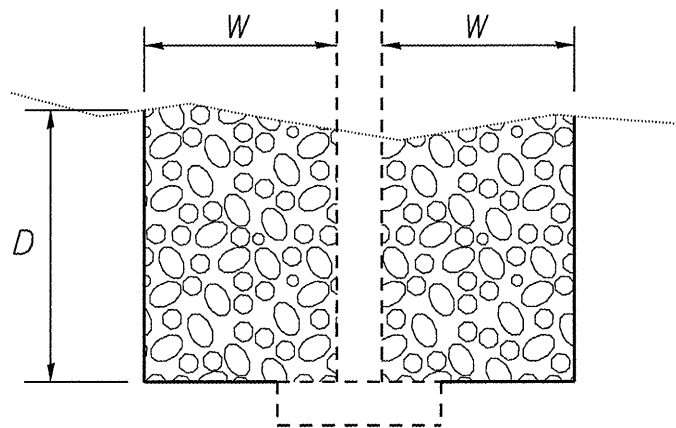
PLAN



EXISTING RIPRAP



PROPOSED RIPRAP



TYPICAL PIER ELEVATION

NOTES:

DIMENSION W SHALL BE 10' FROM THE FACE OF THE PIER. DIMENSION D SHALL BE THE LESSER OF THE DEPTH TO THE TOP OF THE FOOTING OR 10' BELOW THE EXISTING GRADE.

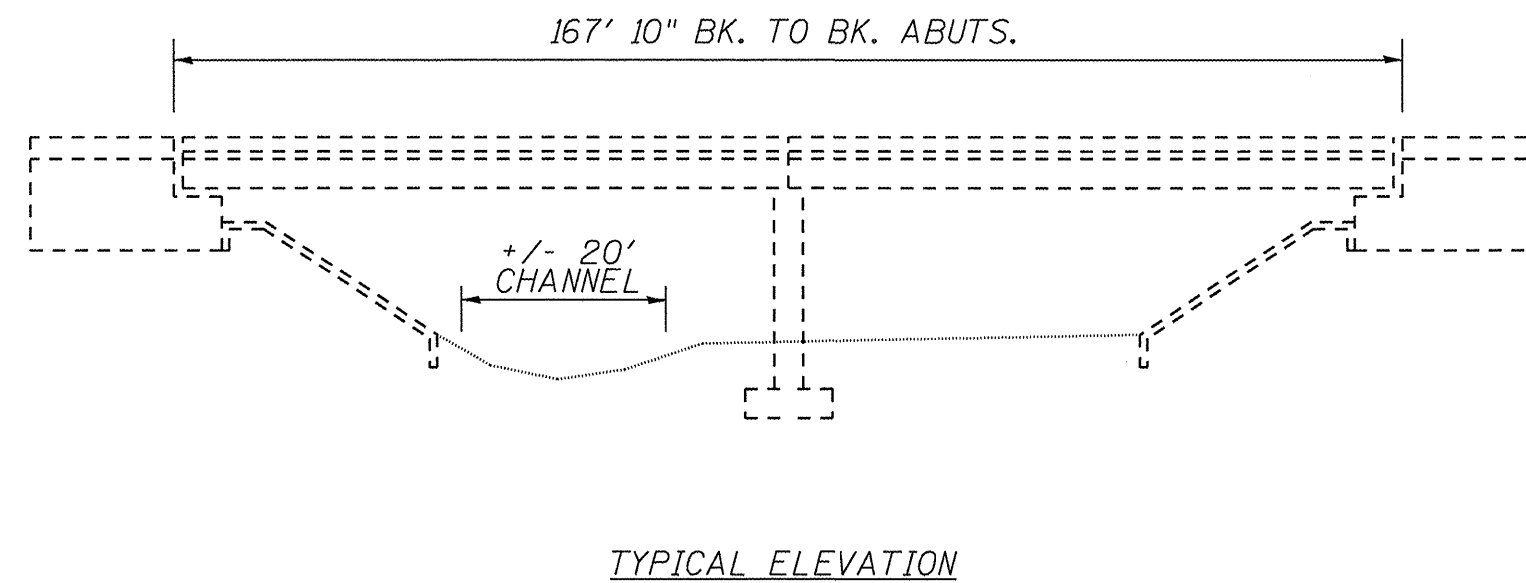
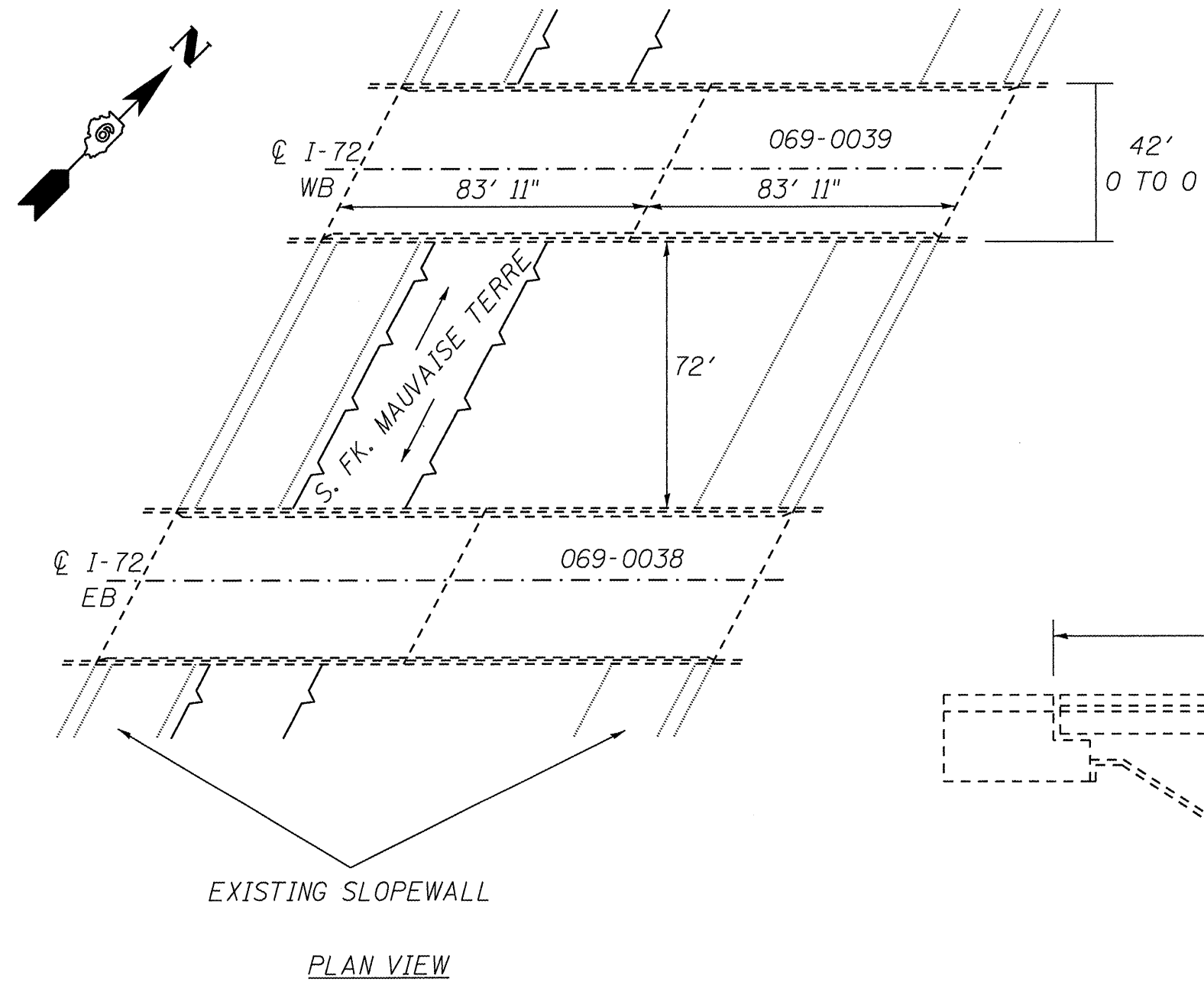
ANY EXISTING RIPRAP WITHIN THE LIMITS OF THE PROPOSED RIPRAP SHALL BE EXCAVATED TO ACHIEVE THE PROPER DEPTH "D".

THE COST OF EXCAVATING AND MATERIAL DISPOSAL SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE FOR STONE RIPRAP, CLASS A5.

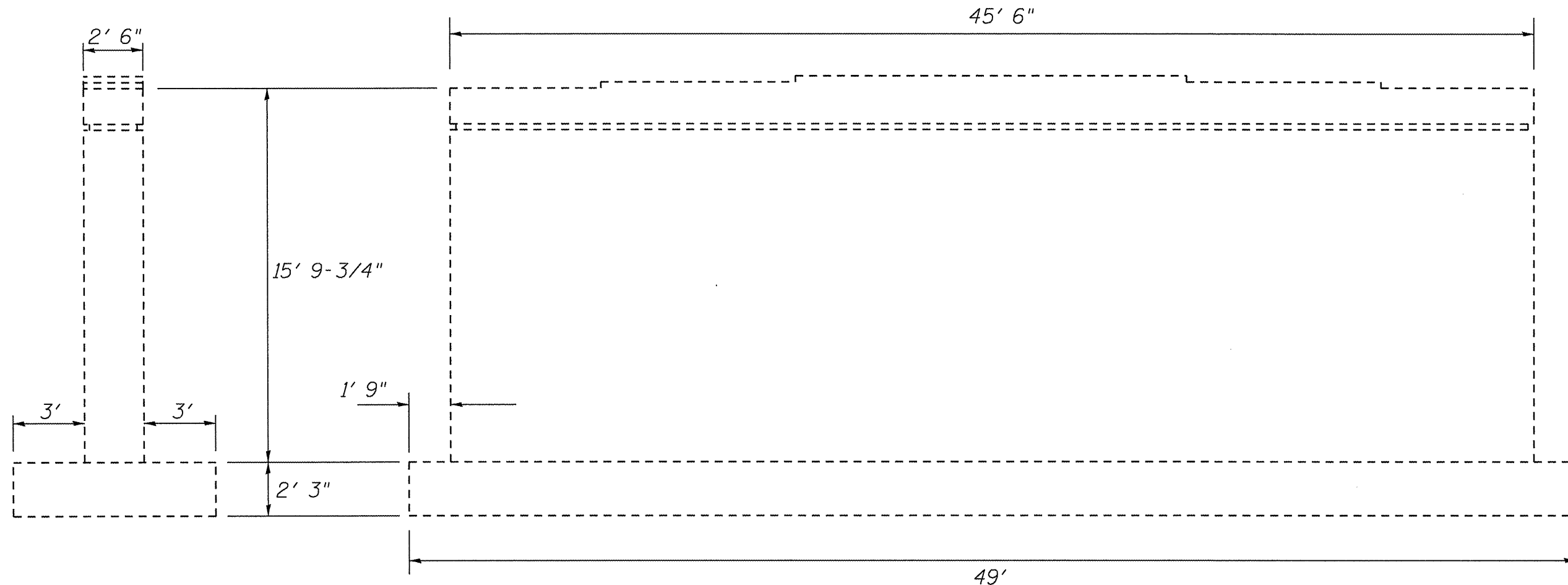
FILTER FABRIC AND BEDDING STONE SHALL NOT BE REQUIRED IN THE PROPOSED RIPRAP AREAS.

BILL OF MATERIAL (054-0063)	
STONE RIPRAP, CLASS A5	1150 TONS

054-0063 RIPRAP DETAIL
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES

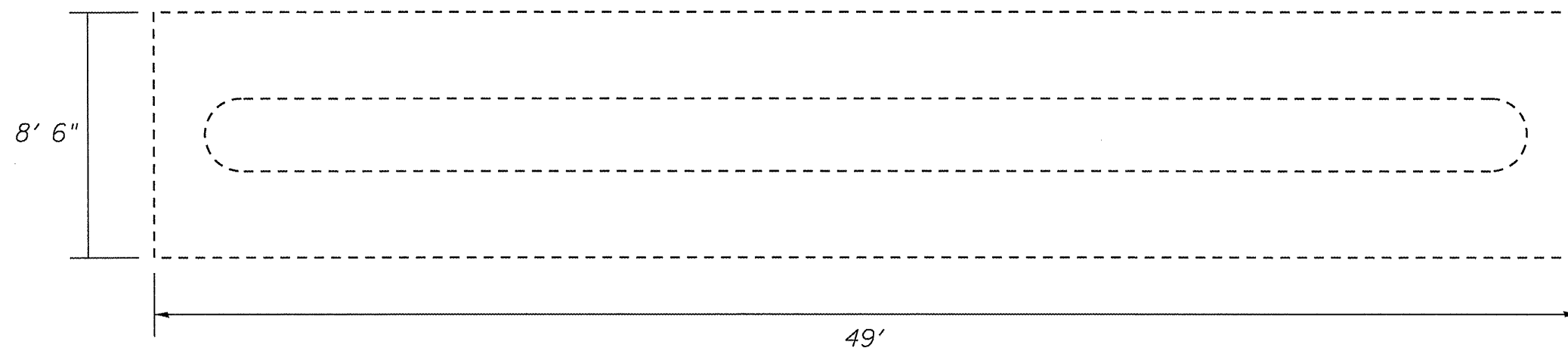


069-0038 & 0039 PLAN & ELEV.
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES



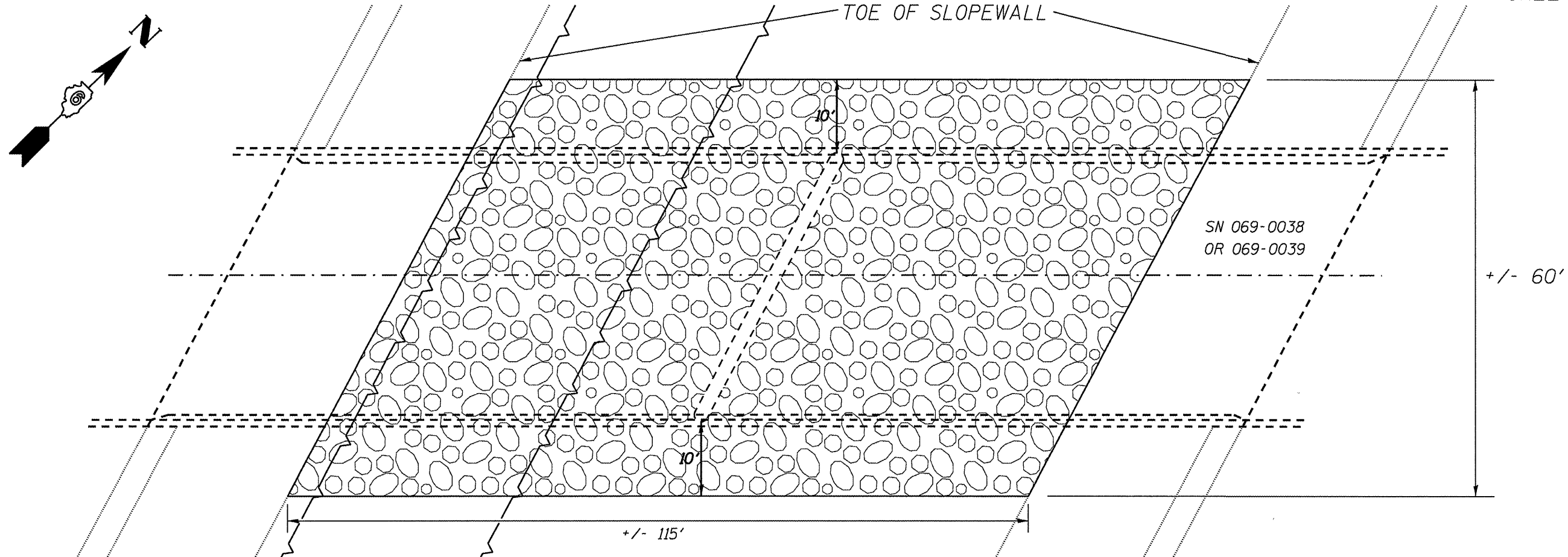
END VIEW

ELEVATION

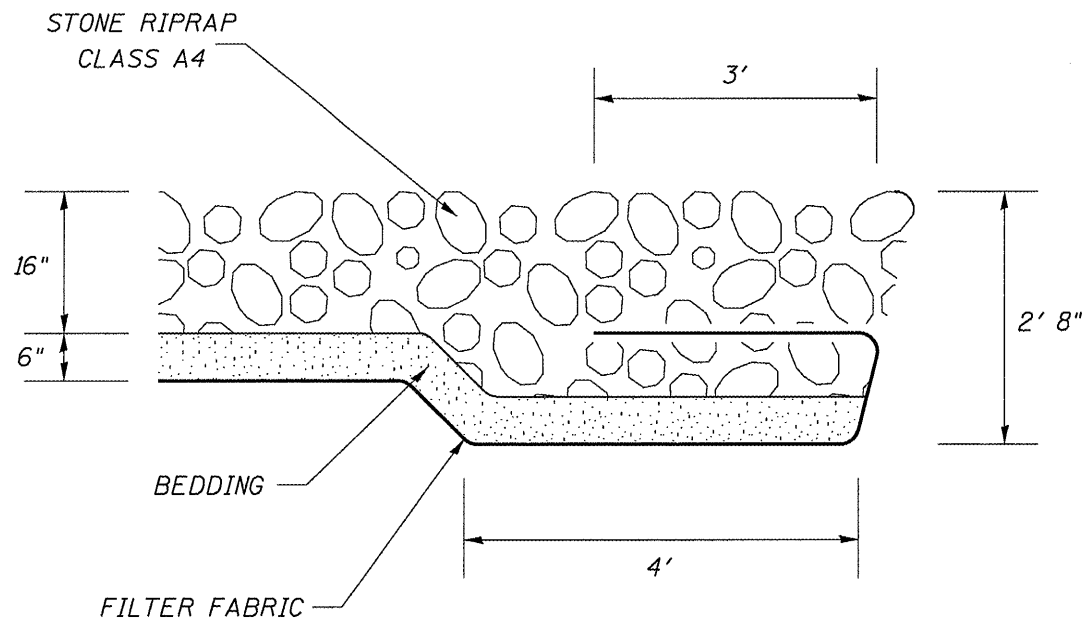
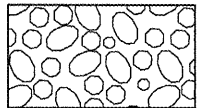


FOOTING PLAN

069-0038 & 0039 PIER DETAIL
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES



TYPICAL RIPRAP
PLAN



RIPRAP TOE
DETAIL

BILL OF MATERIAL (069-0038 & 0039)

STONE RIPRAP, CLASS A4	1550 SQ YD
------------------------	------------

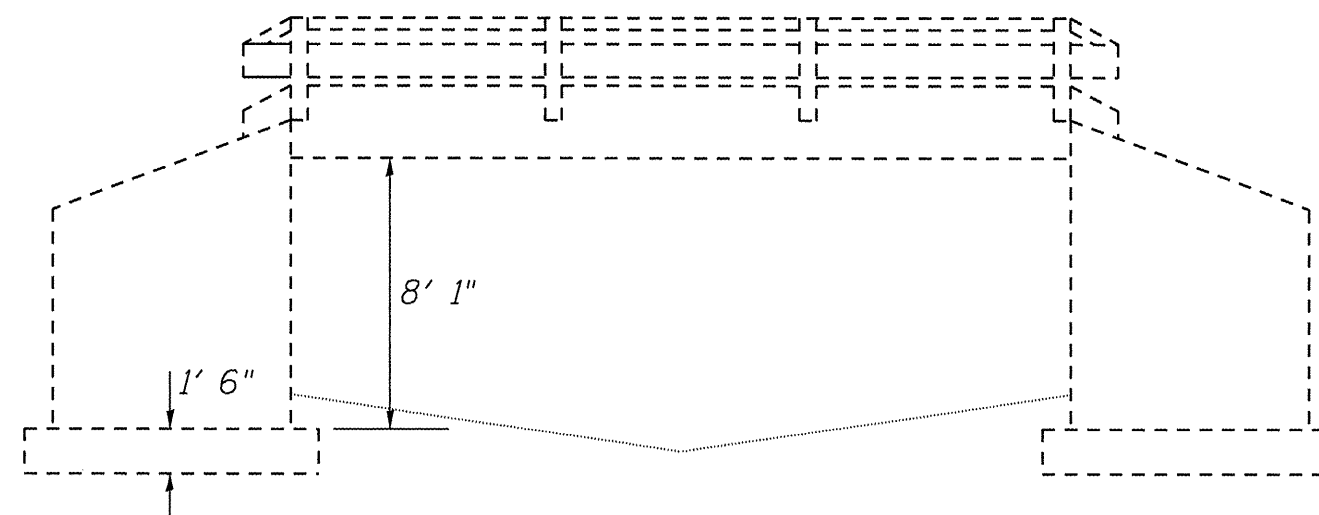
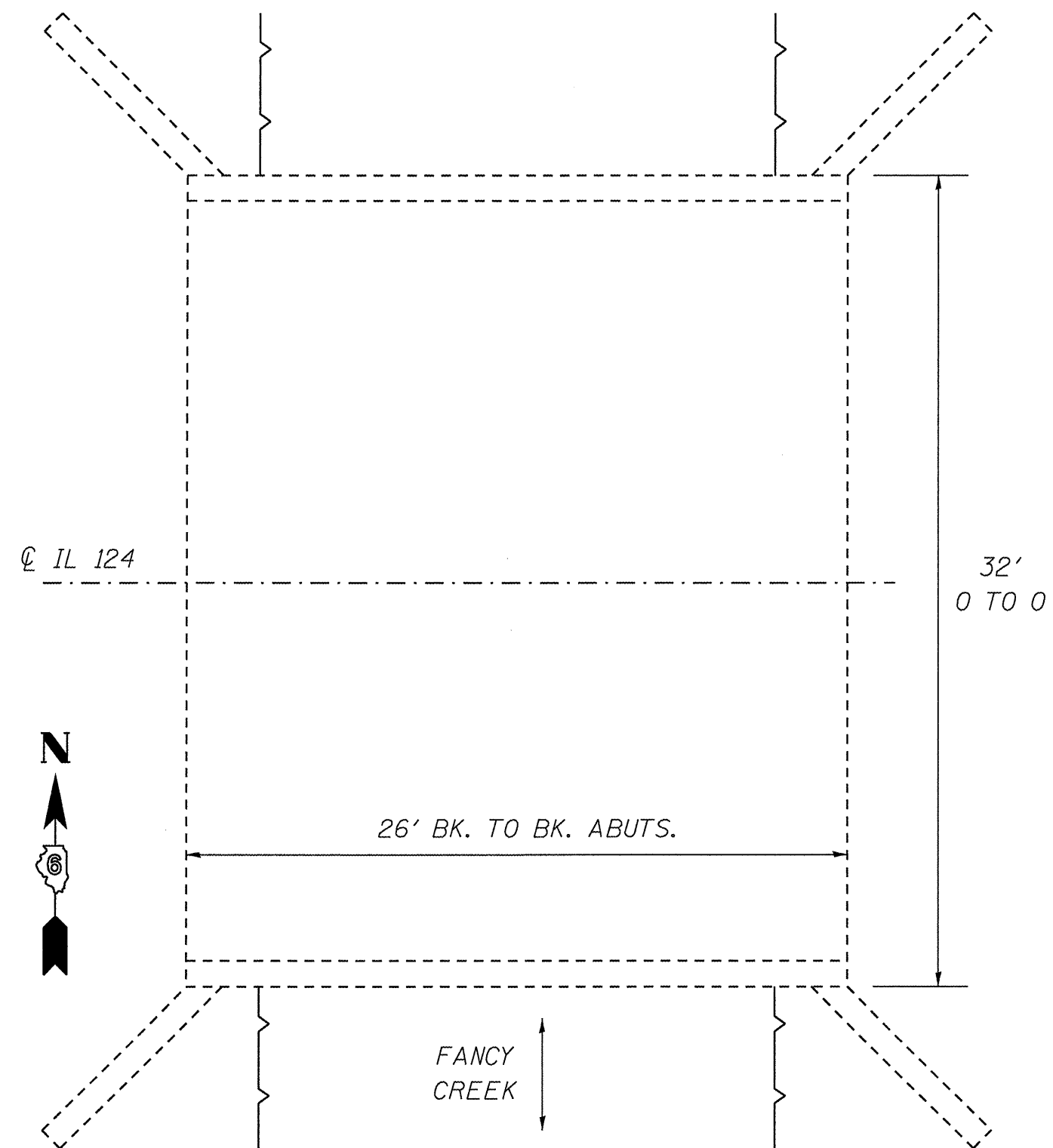
NOTES:

TOE DETAIL SHALL BE APPLIED TO THE ENTIRE PERIMETER OF THE RIPRAP AREAS

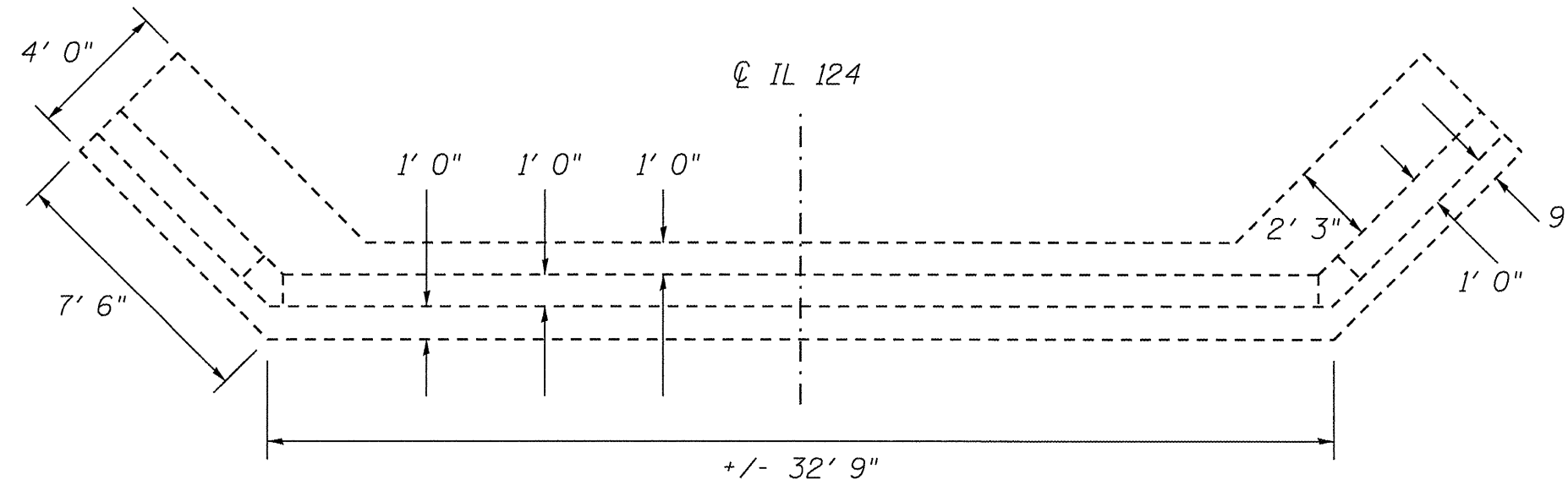
FINISH GRADE FOR RIPRAP SHALL BE FLUSH WITH EXISTING GRADE.

THE COST OF REMOVAL AND DISPOSAL OF EARTH NECESSARY FOR RIPRAP INSTALLATION
SHALL BE INCLUDED IN THE BID PRICE FOR STONE RIPRAP, CLAS A4

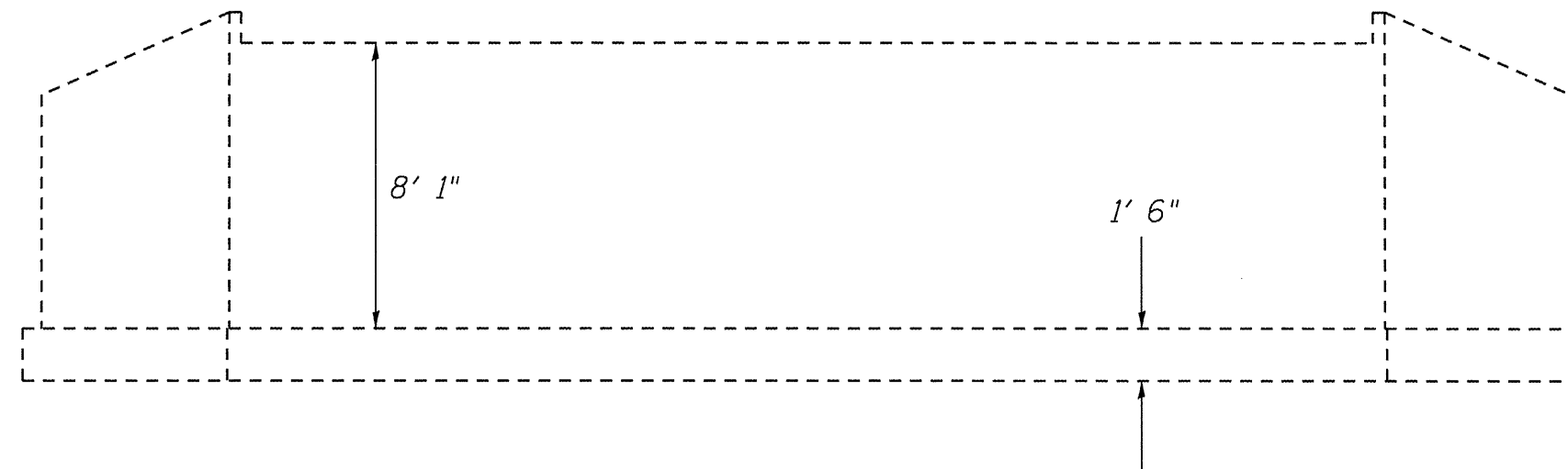
069-0038 & 0039 RIPRAP PLAN
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES



084-0097 PLAN & ELEV
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES

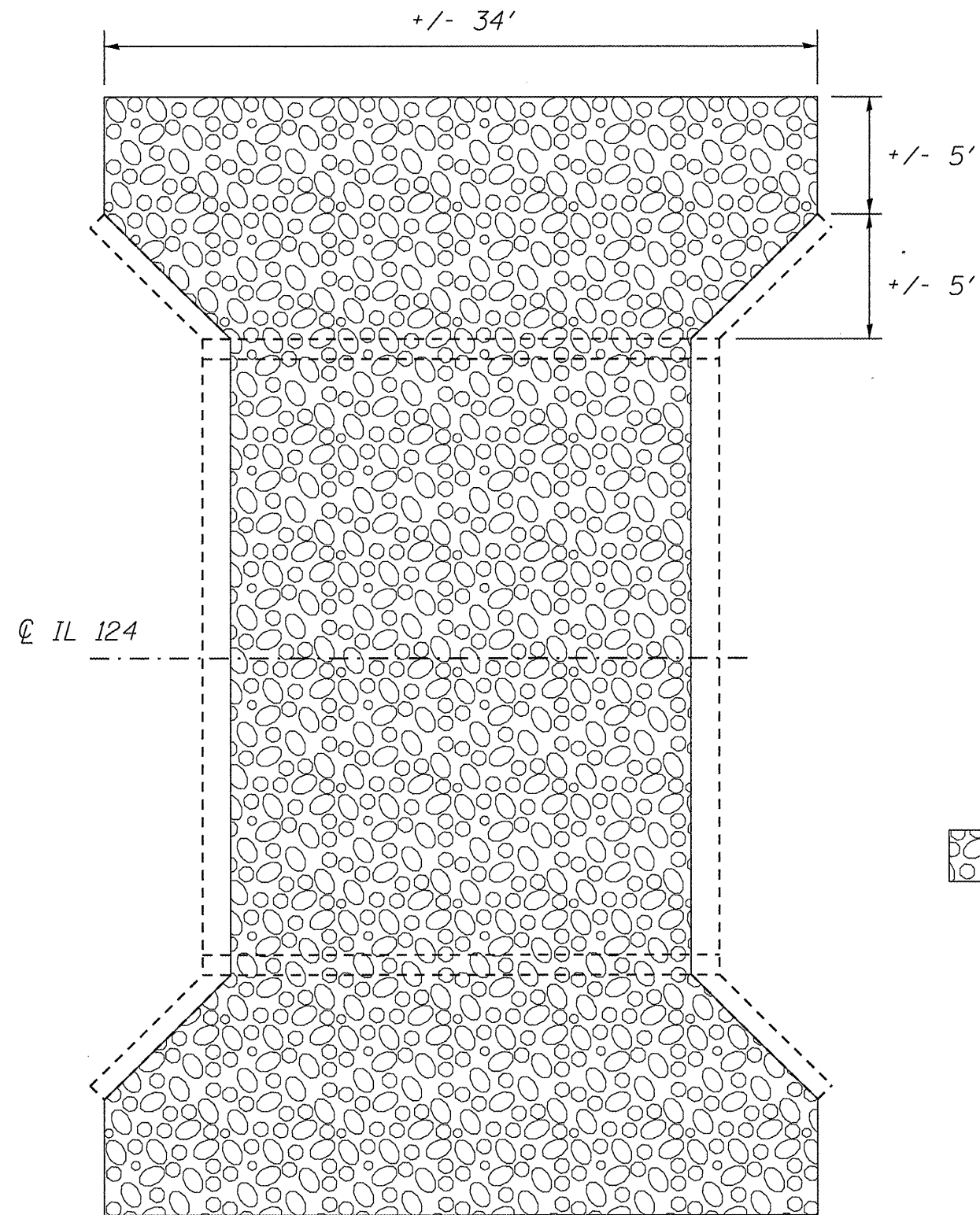


TYPICAL ABUTMENT PLAN

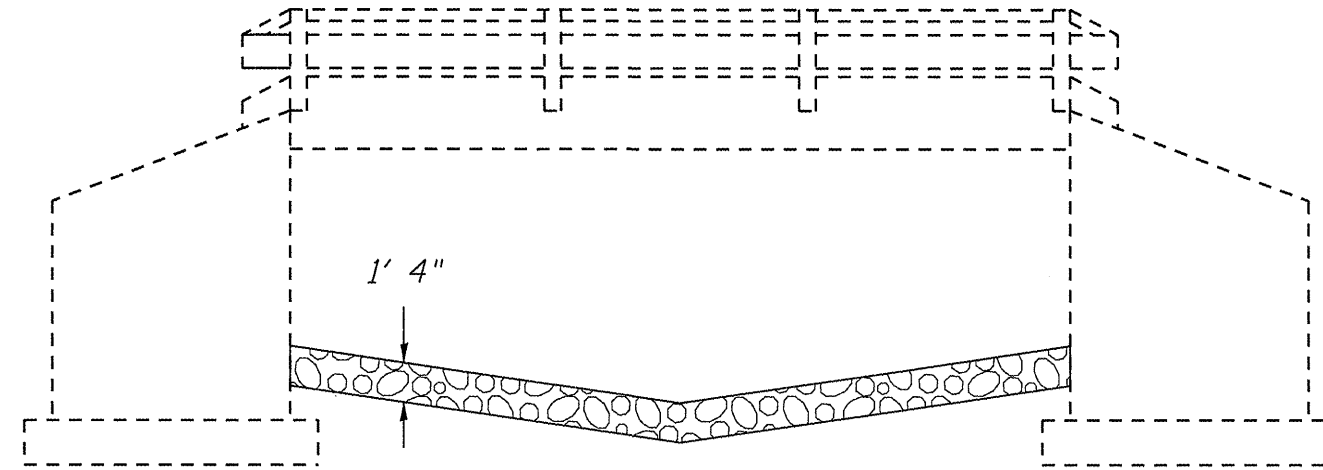


TYPICAL ABUTMENT ELEVATION

084-0097 PLAN AND ELEVATION
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES



PLAN



ELEVATION



PROPOSED STONE
RIPRAP, CLASS A3

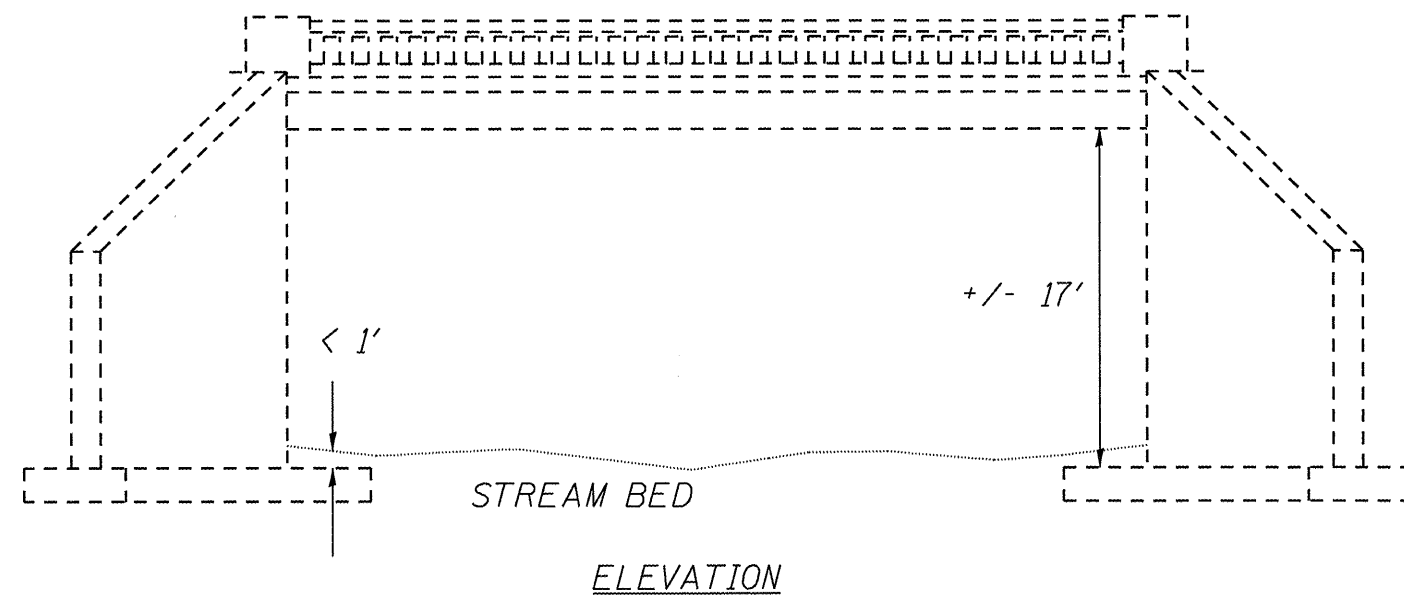
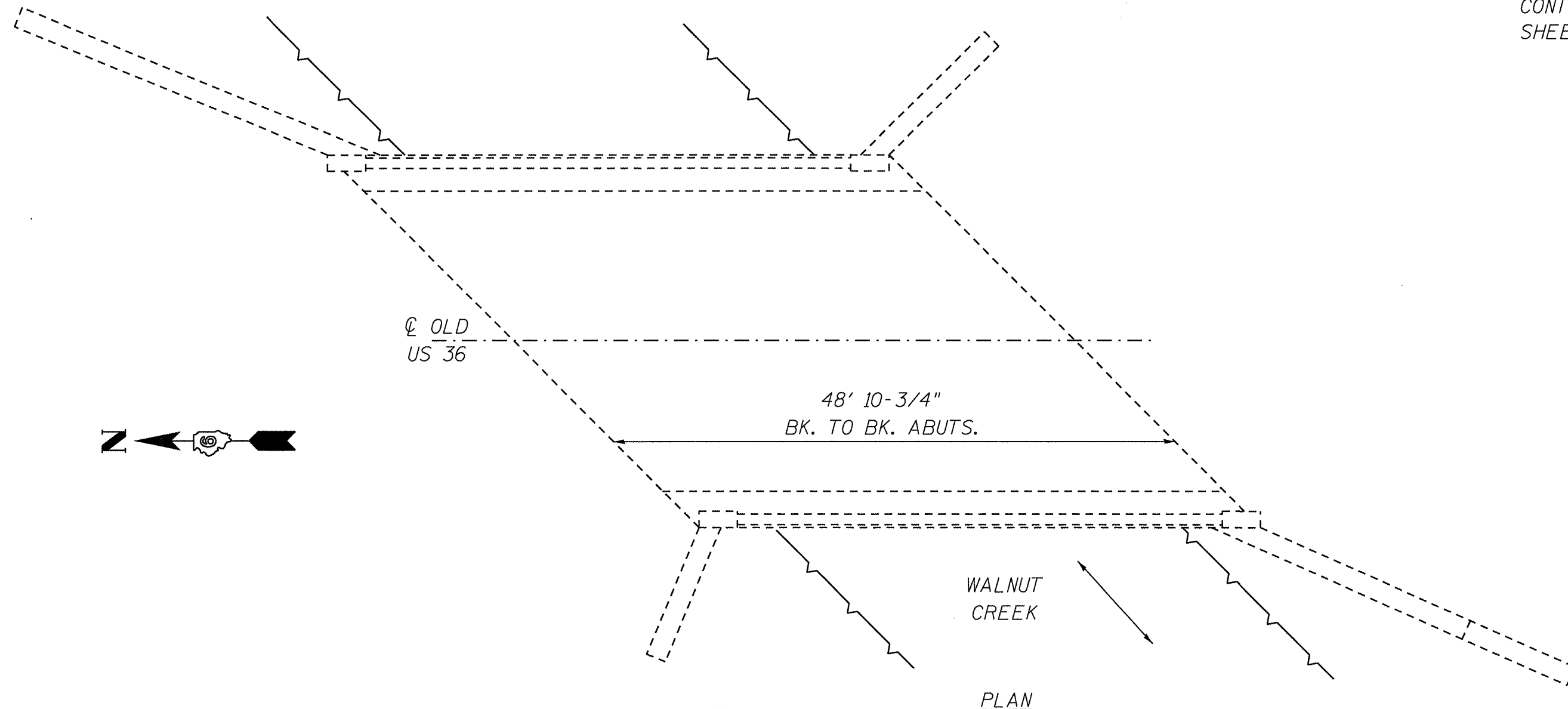
BILL OF MATERIAL (084-0097)

STONE RIPRAP, CALSS A3	155 SQ YD
------------------------	-----------

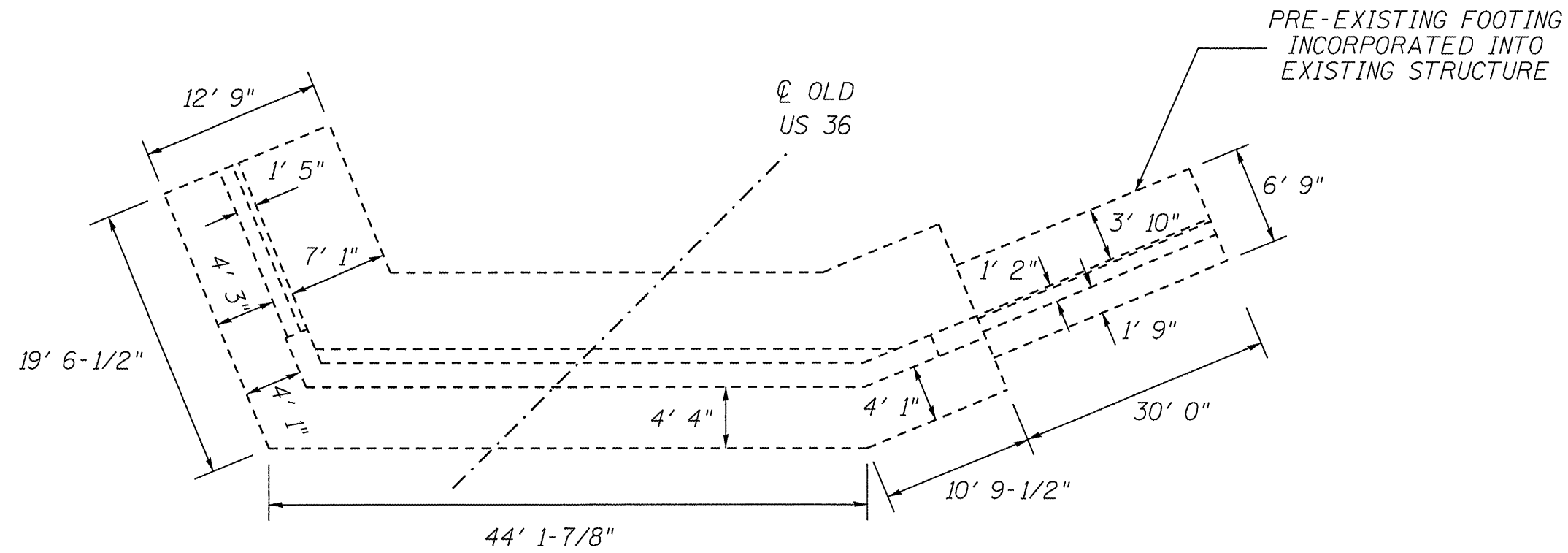
NOTES:

THE USE OF FILTER FABRIC AND BEDDING STONE WILL NOT
BE REQUIRED.

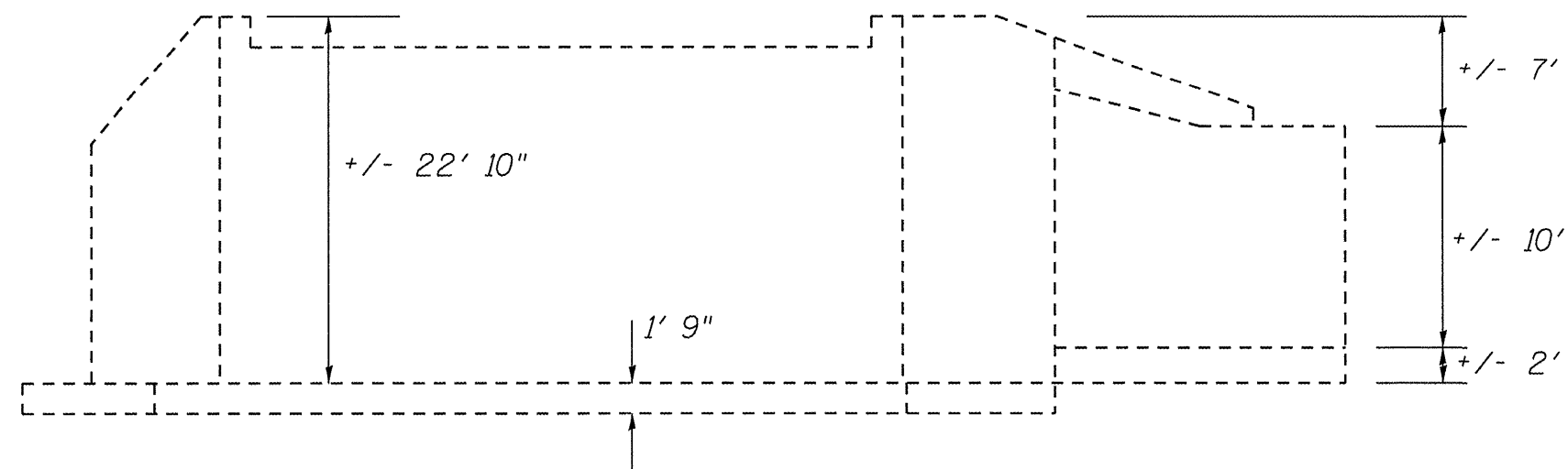
084-0097 RIPRAP DETAIL
VARIOUS COUNTIES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES



086-0004 PLAN & ELEV
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES

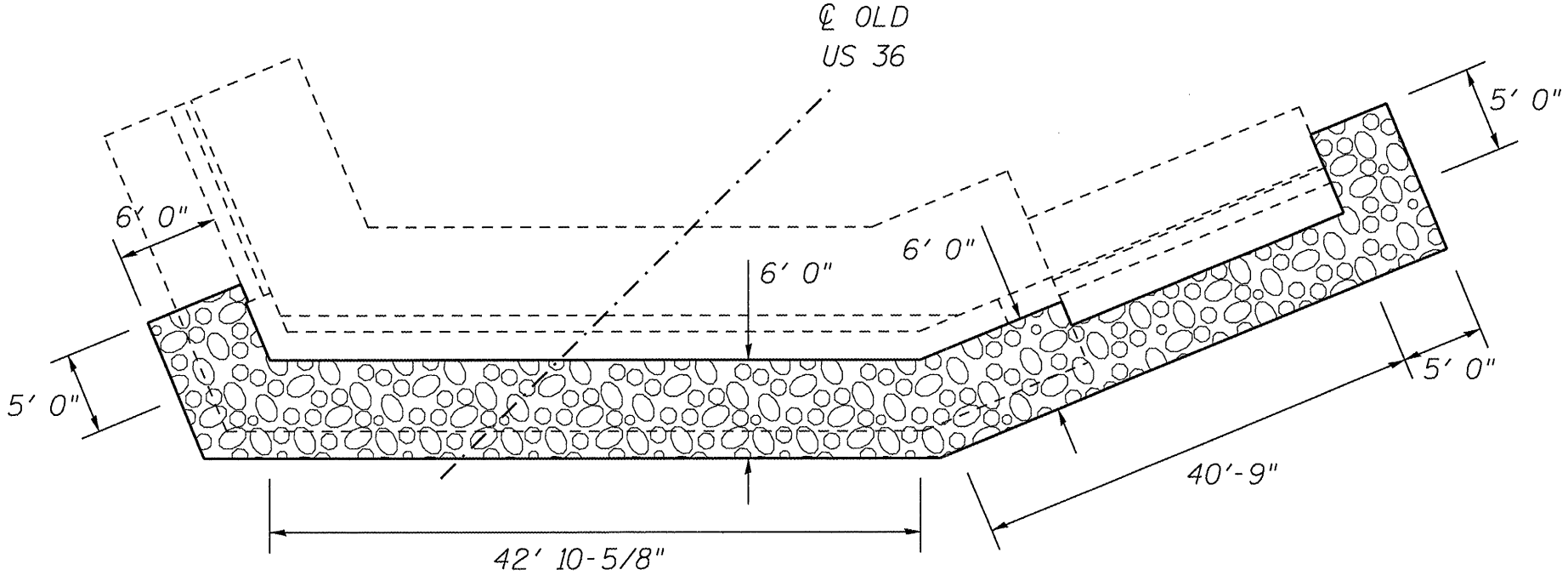


SOUTH ABUTMENT PLAN

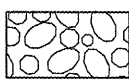
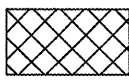


SOUTH ABUTMENT ELEVATION

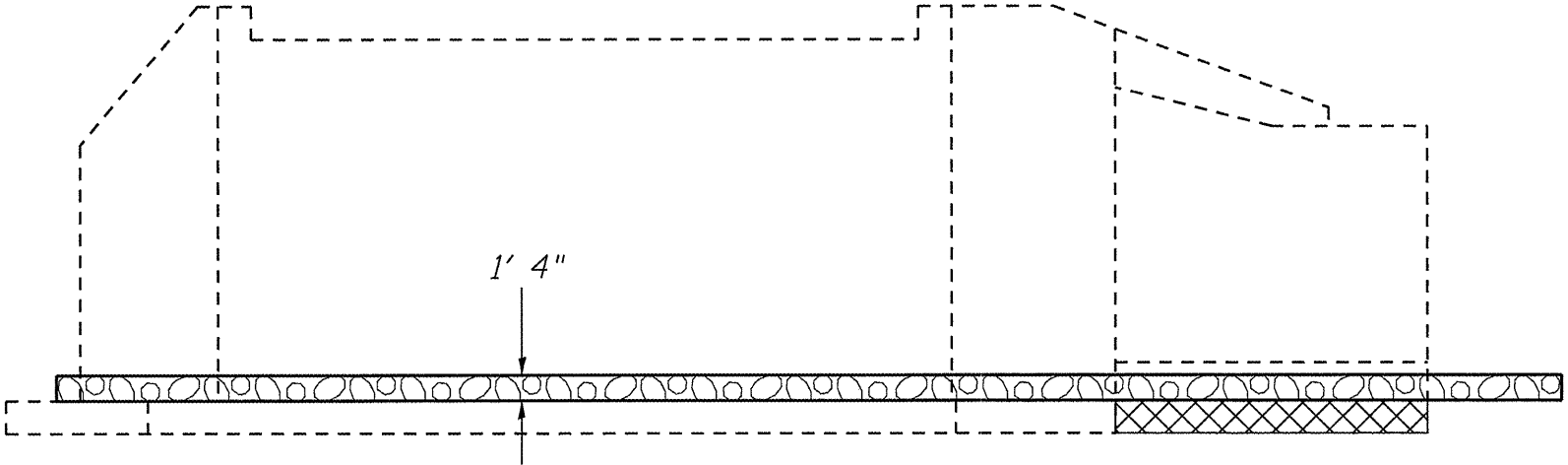
086-0004 ABUTMENT DETAIL
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES



SOUTH ABUTMENT PLAN

-  PROPOSED A3 RIPRAP
& RIPRAP SLURRY
-  PROPOSED GROUT
REPAIR

BILL OF MATERIAL (086-0004)	
STONE RIPRAP, CLASS A3	70 SQ YD
RIPRAP SLURRY	70 SQ YD
GROUT REPAIR	1 L SUM

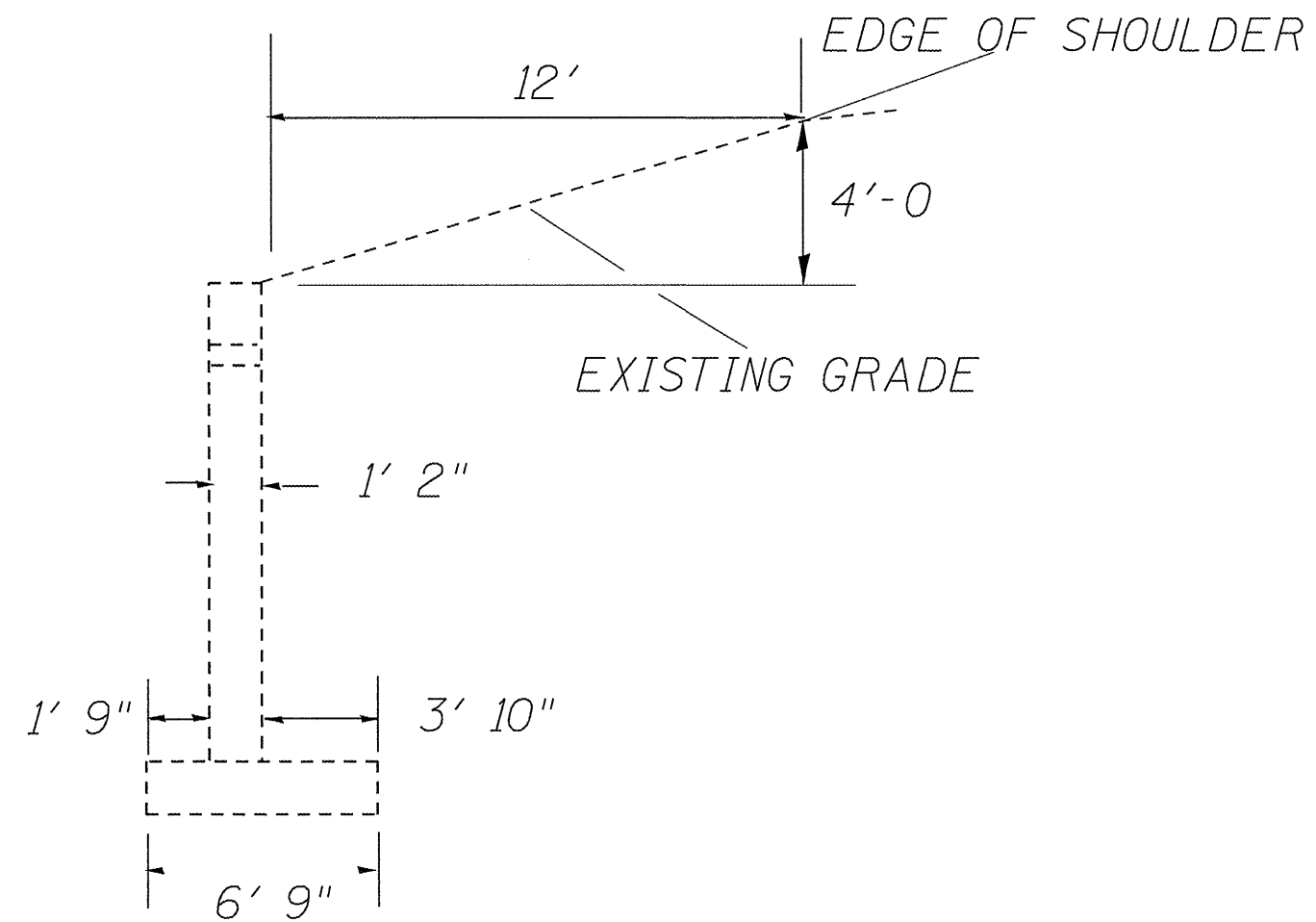
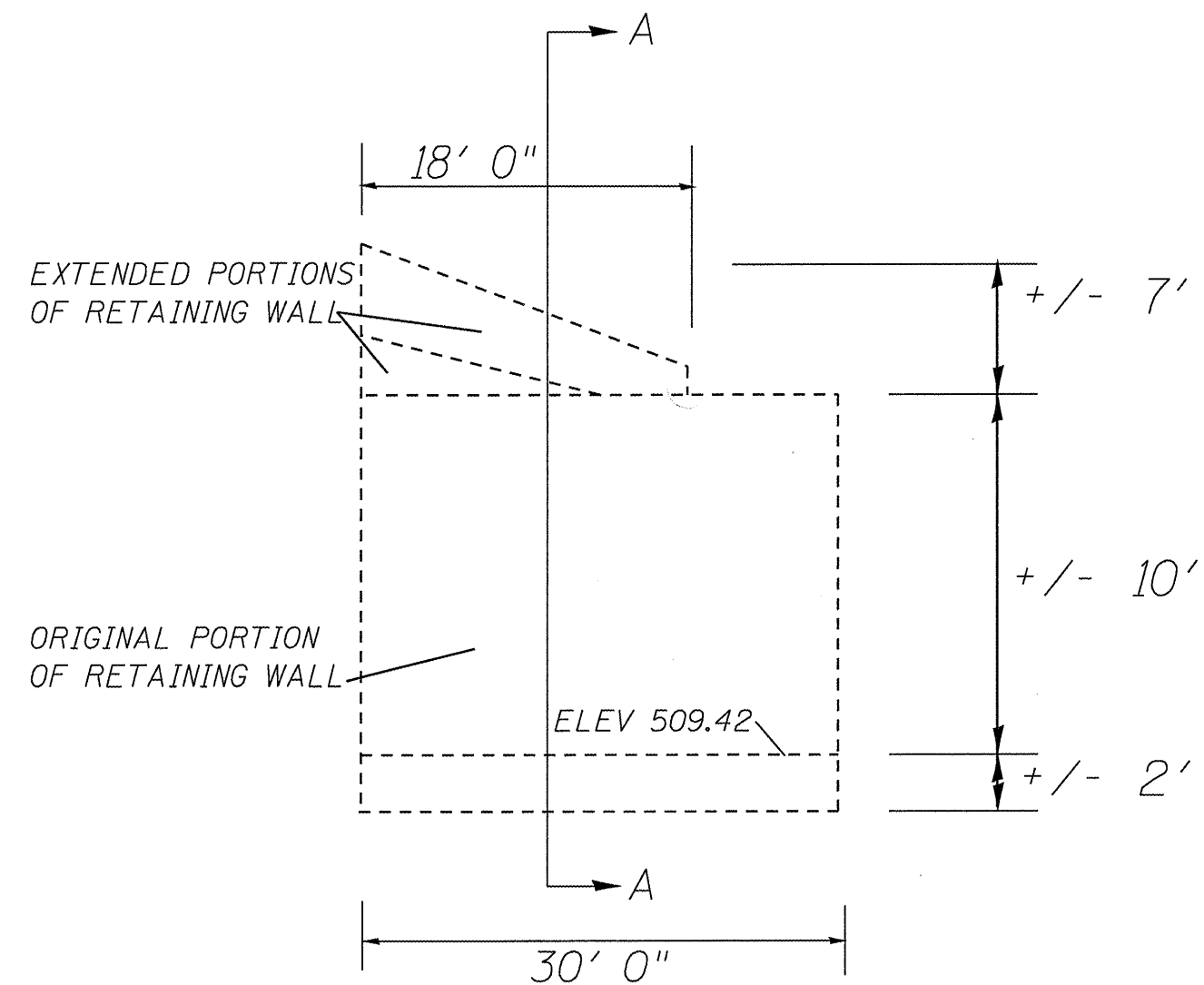


SOUTH ABUTMENT ELEVATION

- NOTES:
- ANY EXCAVATION AND/OR MATERIAL DISPOSAL REQUIRED FOR THE PLACEMENT OF THE RIPRAP SHALL BE INCLUDED IN THE CONTRACTOR'S BID PRICE FOR STONE RIPRAP, CLASS A3.
- THE USE OF FILTER FABRIC AND BEDDING STONE WILL NOT BE REQUIRED.
- THE RIPRAP AREAS TO BE SLURRIED SHALL BE DEWATERED BEFORE THE SLURRY IS APPLIED. THE CONTRACTOR SHALL INCLUDE THE COST OF DEWATERING IN THE BID PRICE FOR RIPRAP SLURRY.

086-0004 RIPRAP DETAIL
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES

NOTE: NO EXISTING PLANS ARE AVAILABLE FOR RETAINING WALL.
NO ANCHORS WILL BE ALLOWED IN THE EXTENDED PORTION OF THE WALL.



SECTION AA

086-0004 ANCHOR DETAILS
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES



Illinois Department
of Transportation
Division of Highways
District 6

SOIL BORING LOG

Page 1 of 1

Date 3/5/09

ROUTE Old US 36 DESCRIPTION Old US 36 Over Walnut Creek LOGGED BY M. Tappan

SECTION LOCATION NE 1/4, SEC. 17, TWP. 14 N, RNG. 12 W, 4 PM

COUNTY Scott DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 086-0004
Station

BORING NO. B-SA South Abut.
Station 444+82
Offset 12.0ft LT
Ground Surface Elev. 519.8 ft

D E P T H (ft)	B L O W S (tsf)	U C S (%)	M O I S T (%)	Surface Water Elev. 500.3 ft Stream Bed Elev. 499.3 ft Groundwater Elev.: First Encounter No Encounter ft Upon Completion 497.8 ft After Hrs. Plugged ft	D E P T H (ft)	B L O W S (tsf)	U C S (%)	M O I S T (%)
				499.30				
	0		18	Very Dark Grey Well Indurated Clayey SHALE with Calcareous Shale Seams		3		
	1	0.4 B				15	-	14
	1					100/1"		
				496.30				
	W			Auger Refusal - Boring Completed				
	O	0.2 B	15					
	H					-25		
	W							
	O	0.1 B	23					
	H							
	0							
	1	1.2 B	18					
	3					-30		
	3							
	6	3.0 S-11	20					
	10							
	1							
	10	4.5+ P	15					
	13					-35		
	2							
	11	4.5+ P	16					
	14							
	2							
	11	4.5+ P	13					
	17					-40		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

086-0004 BORING LOG
VARIOUS ROUTES
SECTION D 6 SCOUR MITIGATION
VARIOUS COUNTIES