

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAI R/T/E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(37-24)CLV	HENRY	7	1
		ILLINOIS	CONTRACT NO. 68F55	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4 SCHEDULE OF QUANTITIES
- 5 PLAN SHEET
- 6 CULVERT INVERT PAVING DETAIL SHEET
- 7 DISTRICT STANDARD

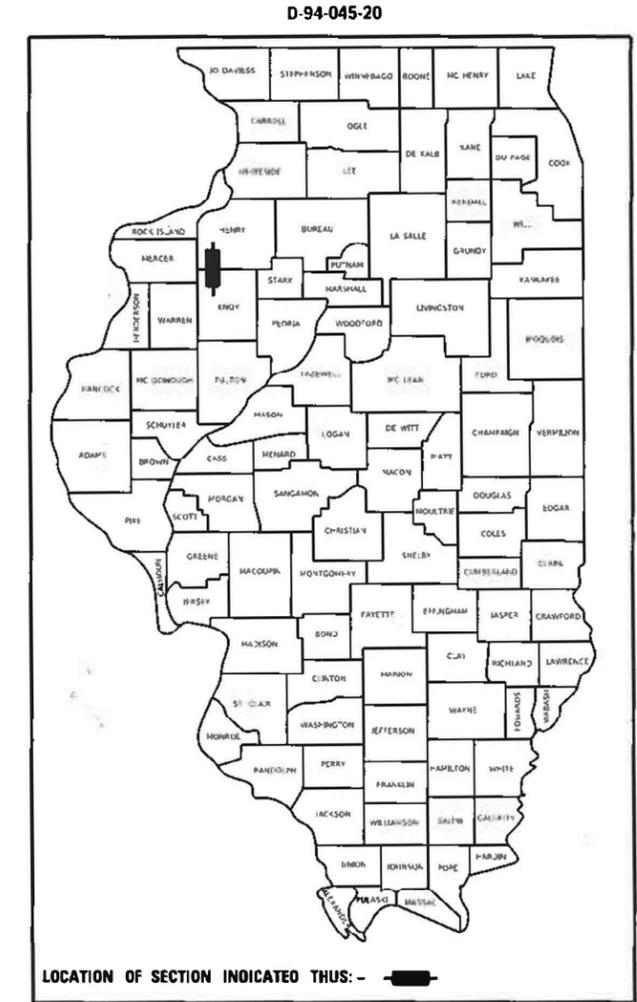
HIGHWAY STANDARDS

- 001001-02
- 001006
- 665001-02
- 701101-05
- 701400-09
- 701406-12
- 701901-08

PROPOSED HIGHWAY PLANS

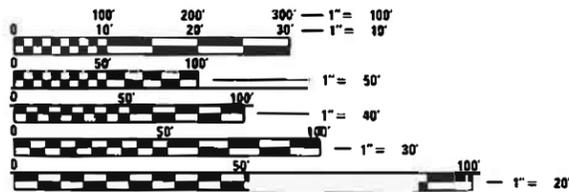
FAI ROUTE 74 (I-74 / IL 110)
SECTION (37-24)CLV
CULVERT REPAIR
CONTRACT MAINTENANCE
HENRY COUNTY

C-94-069-20



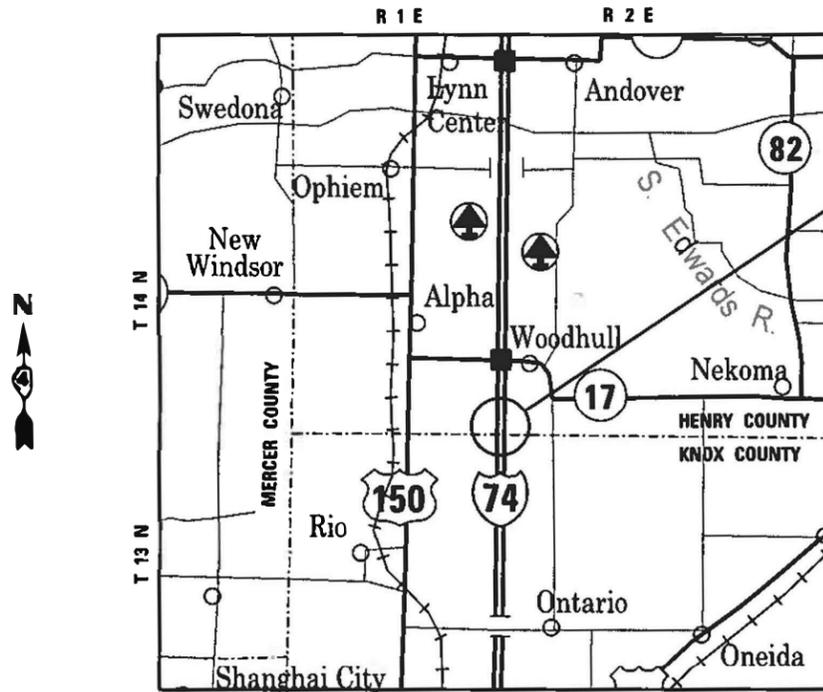
DESIGN DESIGNATION
INTERSTATE

TRAFFIC DATA
FAI 74 (I-74)
ADT = 15,400
SU = 2.92%
MU = 28.9%



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 Location
Sta. 125 + 90

Description of Work:
This project consists of culvert repair to Structure No. 037-2010 located 0.1 miles north of the Knox County line on Interstate 74 near Woodhull, IL.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Mar 26 20 20
Kenal A. Barnett, RSP
REGIONAL ENGINEER

May 8, 2020
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

May 8, 2020
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PROJECT ENGINEER MIKE LEWIS (309) 671-3454
PROJECT MANAGER ELIAS ELDERZI (309) 671-3482
CATALOG NO. 036046-00D
CONTRACT NO. 68F55

GROSS LENGTH = 230 FT. = 0.044 MILE
NET LENGTH = 230 FT. = 0.044 MILE

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OF THE STATE OF ILLINOIS

COMMITMENTS

Commitments are not to be altered without the written approval of all parties to which the commitment was made.

No commitments have been made for this project.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

The required environmental resource documentation shall include the following:

- * BDE Form 2289 (Cultural and Natural Resources Review of Borrow Areas)
- * BDE Form 2290 (Waste/Use Area Review)
- * A location map showing the size limits and location of the use area
- * Color photographs depicting the use area
- * Borrow Area Entry Agreement form – D4 PI0101

Prior to any waste materials being removed from the construction site the required environmental resource surveys shall be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

Please note that a minimum of four weeks shall be allowed for the District to obtain the required environmental clearances and six weeks for the required borrow site environmental clearances.

JOB SPECIFIC NOTE

Placement of the CONCRETE STRUCTURES shall be completed one pipe at a time. The water flowing through the pipes shall be diverted to one pipe while the other pipe is being repaired. The method of diverting the water shall be approved by the Resident Engineer. The cost for diverting the water will not be paid for separately, but shall be included in the pay item CONCRETE STRUCTURES.

STONE DUMPED RIPRAP, CLASS A4 shall be placed without filter fabric.

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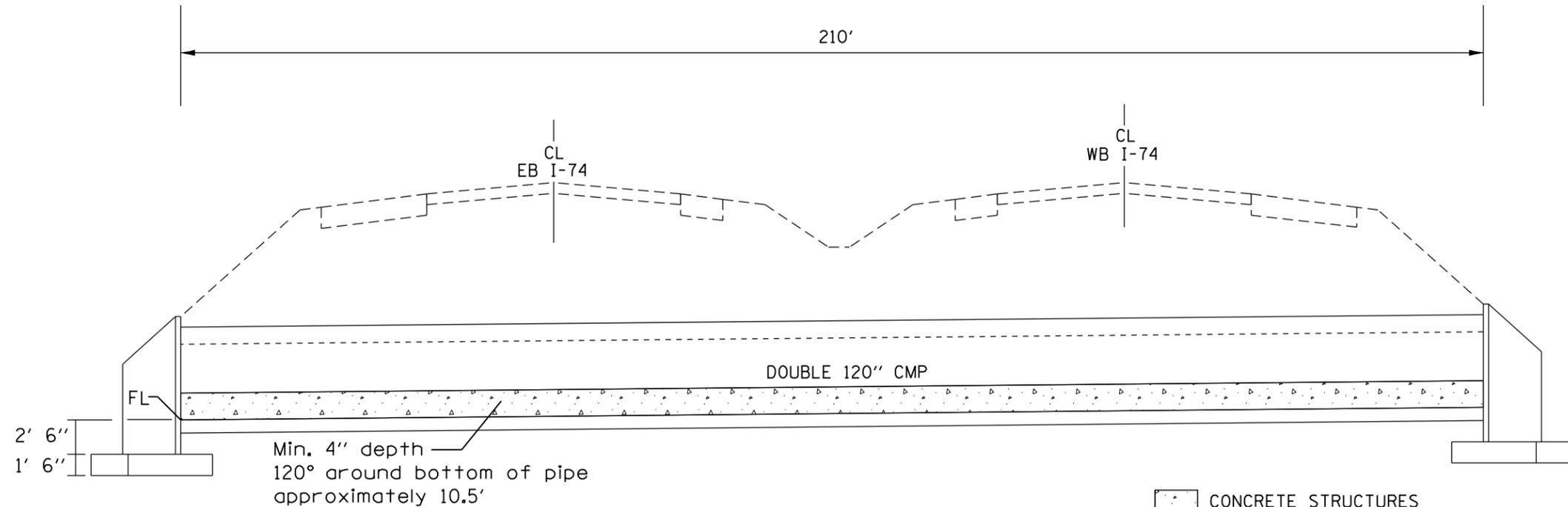
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	DRAWN -	REVISED -				74	(37-24)CLV	HENRY	7	2
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -				CONTRACT NO. 68F55				
PLOT DATE = 3/26/2020	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			



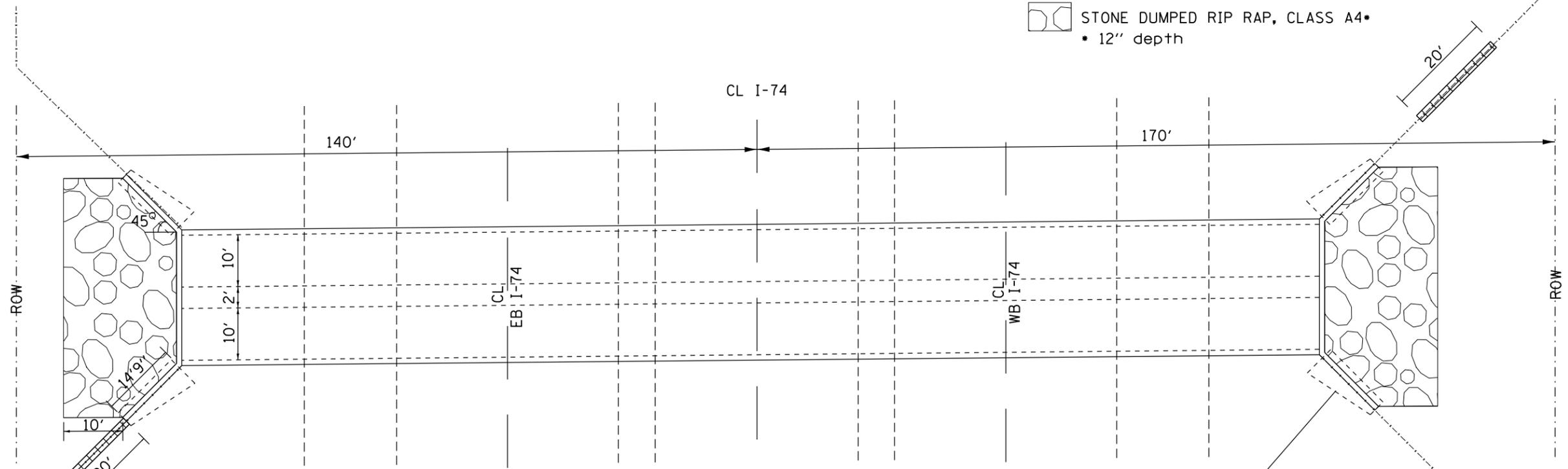
Expires 11-30-2020

David Carl Puzey

5/11/2020



- CONCRETE STRUCTURES
- FENCE REMOVAL & WOVEN WIRE FENCE 4'
- STONE DUMPED RIP RAP, CLASS A4 • 12" depth



NOTE:
FENCE REMOVAL & WOVEN WIRE FENCE 4' shall be placed in one location on the north side of the culvert and one location on the south side of the culvert.

Footings vary from 6.5' to 9.5'
10' 9" length along the wall (typ)

NOT TO SCALE

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PLOT DATE = 3/26/2020	DATE -	REVISED -

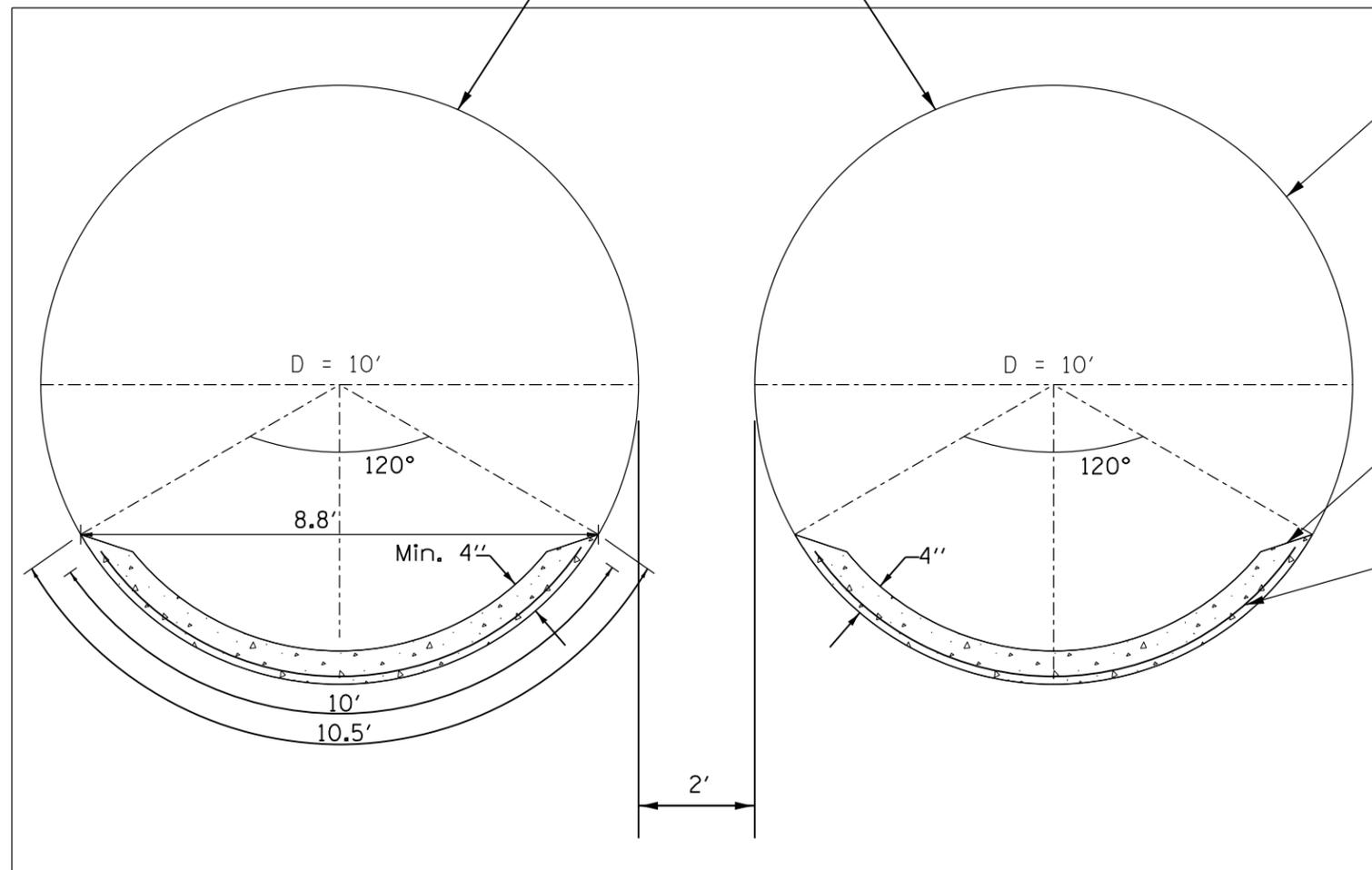
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN VIEW			
Sta. 125 + 90			
SCALE:	SHEET \$5	OF 505 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(37-24)CLV	HENRY	7	5
CONTRACT NO. 68F55				
ILLINOIS FED. AID PROJECT				

STA 125+90
 SN 037-2010
 TWIN 10' CORRUGATED METAL
 PLATE PIPE CULVERT

CULVERT REPAIR			
LOCATION	CONCRETE STRUCTURES	WELDED WIRE REINFORCEMENT	CLEANING DRAINAGE SYSTEM
	CY	SY	L SUM
SN 037-2010			
STA 125+90	54.4	470	1
TOTAL	54.4	470	1



EXISTING CMP

3:1 MIN

WELDED WIRE FABRIC
 6 X 6 - W 4.0 X 4.0
 Wt. 58 LBS/100 SQ FT
 TACK WELD DIRECTLY TO CULVERT TRANSVERSLY
 AND LONGITUDINALLY AS NEEDED TO SECURE
 WIRE FABRIC TO THE CULVERT.
 PAID FOR AS WELDED WIRE REINFORCEMENT

CONCRETE STRUCTURES

NOTE:

Prior to placement of welded wire reinforcement and fresh concrete, the culvert invert surface shall be thoroughly cleaned by pressure washing. Cost included in the pay item "Cleaning Drainage System."

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 PROJECT: 68F55 (37-24) CLV
 SHEET: 7 OF 6
 CONTRACT NO. 68F55

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PLOT DATE = 3/26/2020	DATE -	REVISED -

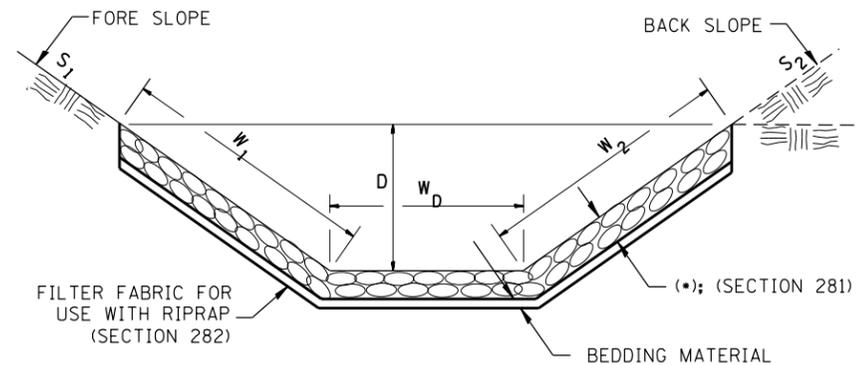
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CULVERT INVERT PAVING DETAIL

SCALE: SHEET \$S OF \$0S SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(37-24)CLV	HENRY	7	6
CONTRACT NO. 68F55				
ILLINOIS FED. AID PROJECT				

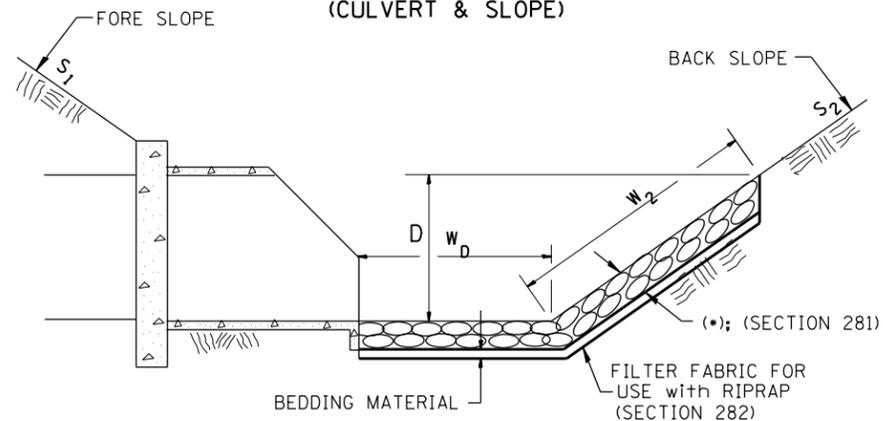
**CASE 1
(DITCH)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
TOTAL				

(1) WIDTH = $W_1 + W_2 + W_D$

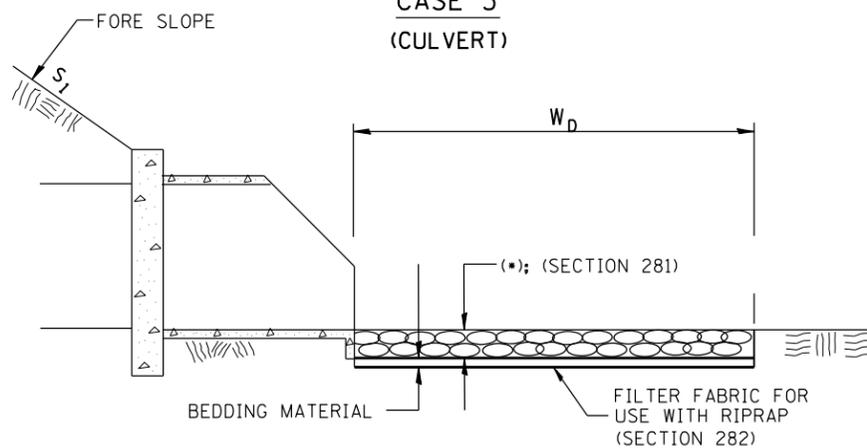
**CASE 2
(CULVERT & SLOPE)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
TOTAL				

(1) WIDTH = $W_2 + W_D$

**CASE 3
(CULVERT)**



*12"				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m ²)
125+90 W	20'	35'	59.8	
125+90 E	20'	35'	59.8	
TOTAL			119.6	

(1) WIDTH = W_D

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).
All dimensions are in inches (millimeters) unless otherwise noted.

1-1-97	RENUM. A-12.02, NEW REVISION BOX	T.P.
12-1-97	CORRECT FILTER FABRIC LEADER ARROW	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.
9-6-12	REMOVED A DESIGNER NOTE AND MADE MINOR CHANGES	R.D.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIPRAP DITCH FOR EROSION PROTECTION

NOT TO SCALE

CADD STD. 281001-D4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(37-24)CLV	HENRY	7	7
CONTRACT NO. 68F55				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				