

POTTAWATTAMIE CO.

May 28, 1999



Iowa Department of Transportation

Project Development Division

PLANS OF PROPOSED IMPROVEMENTS ON THE

POTTAWATTAMIE COUNTY

Grading (Rip Rap)

At locations on US 59 and IA 92.

SCALES: As Noted

Value Engineering Saves. Refer to Standard Notation 203-4 on Sheet C.01

NO MILEAGE SUMMARY

Form 520003 12-97



I hereby certify that this project was constructed in accordance with the contract documents, the "as-built" plans were prepared under my supervision, and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Kevin R. Rogers 23Feb 01
Project Engineer Date

My license renewal date is December 31, 2002

1999 Peterson Contracting Dick Uherka
Year Contractor Project Inspector

CONSTRUCTION "AS BUILT" PLANS

As-Built Preparation Supervised By: *Kevin R. Rose*
(Project Engineer)

Date: 23 Feb 01

REVIEWED AND FORWARDED TO AMES

William E. Wilson Date: 03/22/01
(Transportation Center Construction Engineer)

**AFTER MICROFILMING RETURN ORIGINAL,
One 50% Reduced Print, and Two Full-Size Prints To:**
P181614 Iowa Transportation Center

	TOTAL
	11

PROJECT NUMBER
ER-59-3(28)--28-78
R.O.W. PROJECT NUMBER
X
PROJECT IDENTIFICATION NUMBER
99-78030-1

INDEX OF SHEETS		105-3
		07-21-87
NO.	DESCRIPTION	
A.01	Title Sheet	
A.02	Map Sheet	
C.01	Estimated Quantities and General Information	
D.01-D.04	Location Plans (as-built plan and profile sheets)	
V.01-V.04	Bridge and Structure Situation Plans	

[illegible]

10-27-98	078PX014	101-4
DESIGN DATA RURAL		
1999	AADT	1560
20	AADT	
20	DHV	
TRUCKS		%
Total		
Design	ESALs	

10-27-98	078PX015	101-4
DESIGN DATA RURAL		
1999	AADT	<u>1420</u> V.P.D.
20	AADT	<u> </u> V.P.D.
20	DHV	<u> </u> V.P.H.
TRUCKS		<u> </u> %
Total		<u> </u>
Design ESALs		<u> </u>

10-27-98	078PX016	101-4
DESIGN DATA RURAL		
1999 AADT	<u>2300</u>	V.P.D.
20 AADT	<u> </u>	V.P.D.
20 DHV	<u> </u>	V.P.H.
TRUCKS	<u> </u>	%
Total	<u> </u>	
Design ESALs	<u> </u>	

10-27-98	078PX017	101-4
DESIGN DATA RURAL		
1999	AADT	1460 V.P.D.
20	AADT	_____ V.P.D.
20	DHV	_____ V.P.H.
TRUCKS		_____ %
Total		_____
Design ESALs		_____

INDEX OF SEALS		
SHEET NO.	NAME	TYPE
A.01	Robert Stanley	Primary Signature Block
V.01	David Claman	Hydraulic Design Block

I hereby certify that this plan was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

 Robert L. Stanley
08468
IOWA

Robert Stanley 3-11-99
Signature Date

Robert Stanley
Printed or Typed Name

My license renewal date is December 31, 20 00

Pages or sheets covered by this seal: A.01-A.02, C.01, D.01-D.04

DESIGN TEAM Abrams/Clem/Carter

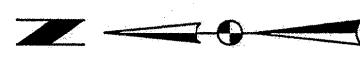
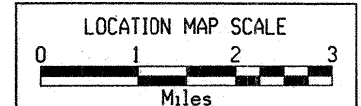
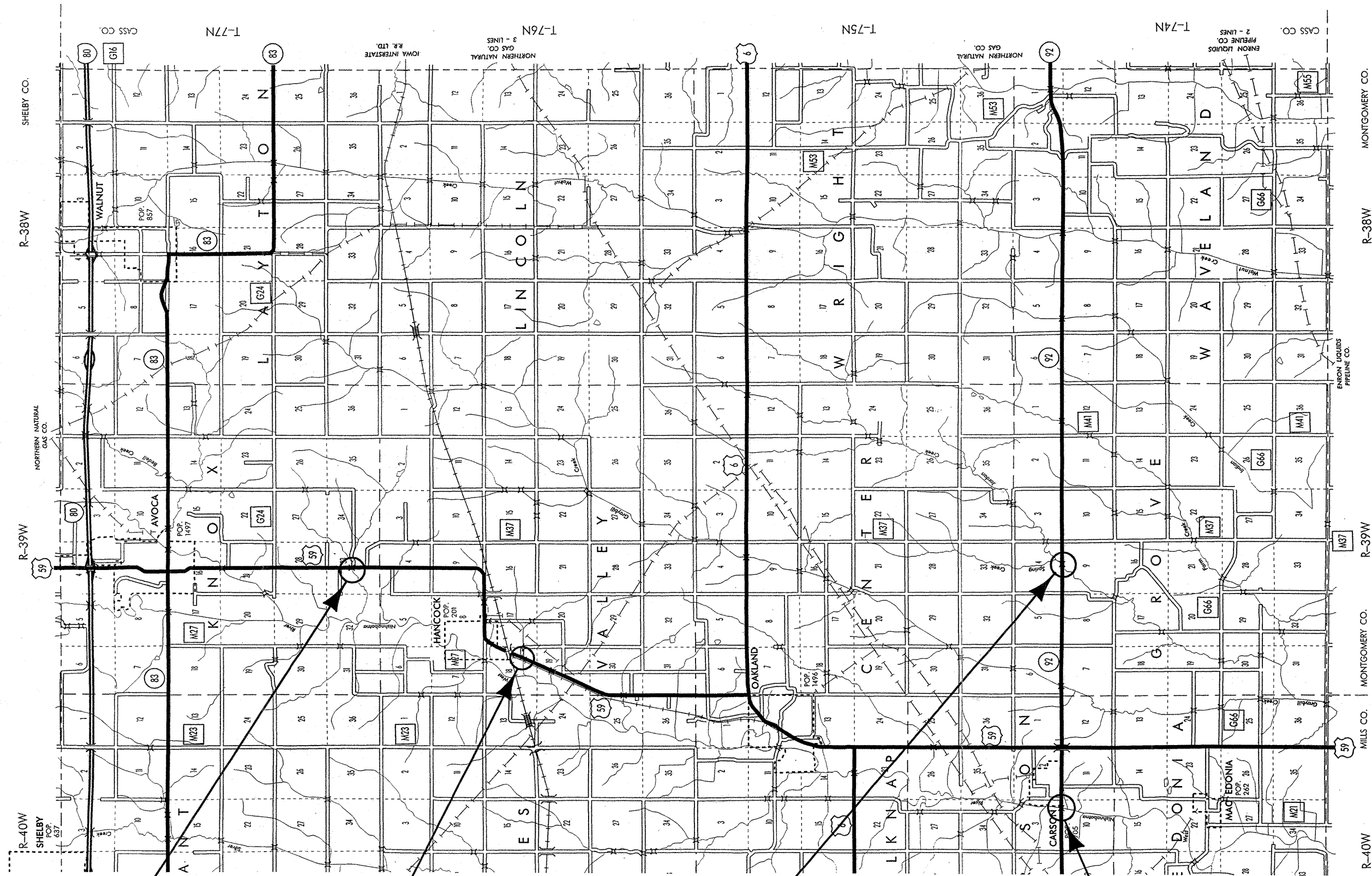
File No. 29444

POTTAWATTAMIE COUNTY

PROJECT NO. ER-59-3(28)--28-78

SHEET NO. A.01

Scanned



078PX017 Site
Des. No. 1299

078PX014 Site
DES. No. 999

078PX015 Site
Des. No. 1099

078PX016 Site
Des. No. 1199

100-1C
MODIFIED

ESTIMATE REFERENCE INFORMATION

100-4
07-15-97

TRAFFIC CONTROL PLAN

108-23
04-04-89

- 203-1

- 203-4

251-2

02-13
02-23-93

213-1

232-5

232-3

DES. NO. 999

~~GC. WYLAND~~
~~See Note Sheet 18~~

ALBERT PETERSEN
See Note Sheet 16

SEC. 13

Found At
Iron Pier

ALBERT PETERSEN
See Note Sheet 16

CULTIVATED

Estimate of Erosion Control Quantities
Sta. 215+00 - 215+00
Seeding ~~500~~ acres --- 6.8
Graveling none
Mulching ~~500~~ acres --- 3.0

ARTHUR P. & HANNAH EWALD
ARTHUR P. & HANNAH EWALD
Contract Date: November 28, 1956
Consideration: \$906.75
Borrow Dirt

Sta 220 + 16.2 ✓
16' x 24' I-Beam Bridge ✓
DA - 273 Ac. + Overflow.
Widen to 44' Roadway. ✓
As Built Design #4050

As Built Design 2000
Sta. 20+00 to 20+100
40' x 10' Beam Bridge
D.R. 20-00 P.C. N.F. Over Flow
Replace with 60' x 30' Cont.
Conc. Slab Bridge at
Sta. 23+1/2 to 40'
omit 81.2 lineal feet of paving for
bridge with wearing surface.
Varyage of extra width of
pavement at bridge. Included in
estimate .59.3 sq. Yds. See Bridge

~~G.C. WYLAND~~
~~See Note Sheet 18~~

BENCH MARKS

*18 Sta 828+00.2 I.H.C. in ~~the~~ S.E. End of Bridge ~~725~~ Ft. ^{22.0}
*19 Sta 836+22.2 I.H.C. in ~~the~~ S.E. End of Bridge ~~725~~ Ft. ^{22.0}

~~EL 110.78~~ 1110.80
~~EL 111.49~~ 1115.49

FOR INFORMATION ONLY

Des No 999

SITE 078PX014
DES. NO. 999

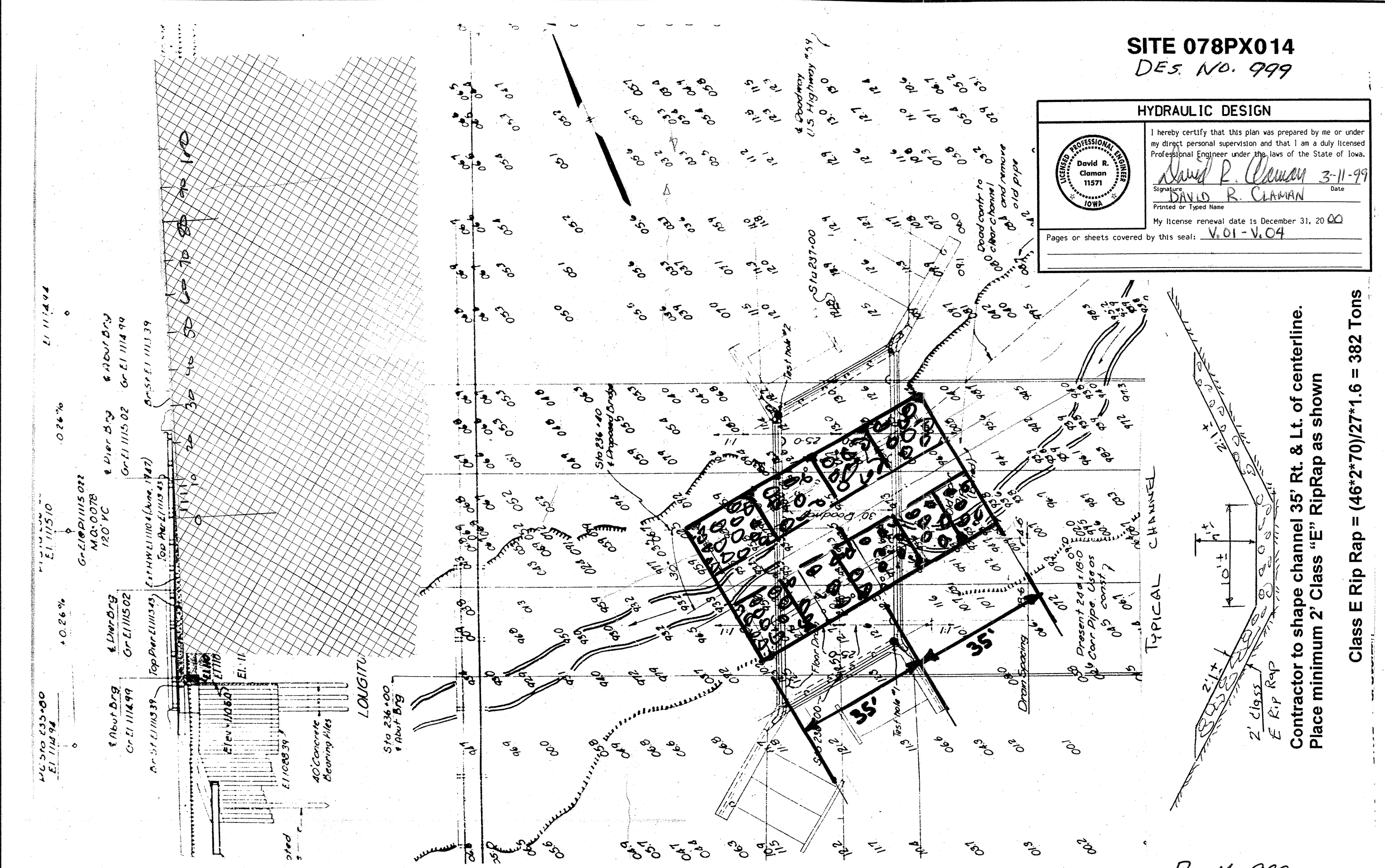
HYDRAULIC DESIGN



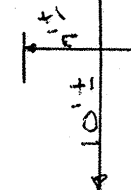
I hereby certify that this plan was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Signature: David R. Claman Date: 3-11-99
Printed or Typed Name: DAVID R. CLAMAN
My license renewal date is December 31, 2000

Pages or sheets covered by this seal: V.01-V.04



TYPICAL CHANNEL



2' Class
E Rip Rap

Contractor to shape channel 35' Rt. & Lt. of centerline.
Place minimum 2' Class "E" RipRap as shown

Class E Rip Rap = $(46 \times 270) / 27 \times 1.6 = 382$ Tons

Des No 999