

A d d e n d u m

Iowa Department of Transportation
Office of Contracts

Date of Letting: November 19, 2013
Date of Addendum: November 7, 2013

B.O.	Proposal ID	Proposal Work Type	County	Project Number	Addendum
501	57-1001-081	CLEARING & GRUBBING	LINN	NHSN-100-1(81)--2R-57	19NOV501.A01

Notice: Only the bid proposal holders receive this addendum and responsibility for notifying any potential subcontractors or suppliers remains with the proposal holder.

Additional parcels acquired will be included in this project in order to have, under contract, the largest number of parcels available such that the trees could be felled before the habitat cutoff of April 14th. Parcels added include 64, 87, 103, 112, 113, and 109. The expected dates of possession are as follows: for Parcels 64 & 87 is 12-31-13; for Parcels 113 & 109 is 1-11-14; for parcel 112 is 11-8-13. The Department has possession of parcel 103.

Make the following changes to the PLAN:

Replace Sheet A.1 with the attached Sheet A.1.

Updated date in Roadway Design signature block

Replace Sheet C.1 with the attached Sheet C.1.

Updated quantity in Tab 100-1A for items 4 & 5

Replace Sheet C.5 with the attached Sheet C.5.

Updated tabulations ACRE and UNIT

Replace Sheet D.4 with the attached Sheet D.4.

Updated Area 2 limits, quantity note, and associated callouts

Updated Area 3 limits, quantity note, and associated callouts

Replace Sheet D.5 with the attached Sheet D.5.

Updated Area 3 limits, quantity note, and associated callouts

Updated Area 4 limits and associated callouts

Updated Area 5 limits, quantity note, and associated callouts

Added Area 6 limits, quantity note, and associated callouts

Replace Sheet D.6 with the attached Sheet D.6.

Updated Area 5 limits, quantity note, and associated callouts

Added Area 6 limits, quantity note, and associated callouts

Replace Sheet D.7 with the attached Sheet D.7.

Added Area 6 limits, quantity note, and associated callouts

Updated Area 8 limits, quantity note, and associated callouts

Added Area 9 limits, quantity note, and associated callouts

Replace Sheet D.8 with the attached Sheet D.8.
Updated Area 8 limits, quantity note, and associated callouts
Added Area 9 limits, quantity note, and associated callouts
Added Area 10 limits, quantity note, and associated callouts

Replace Sheet D.9 with the attached Sheet D.9.
Added Area 10 limits, quantity note, and associated callouts

Sheet D.14 with the attached Sheet D.7.
Updated Area 21 note

Replace Sheet D.15 with the attached Sheet D.7.
Updated Area 21 note

Replace Sheet D.14 with the attached Sheet D.7.
Updated Area 21 limits, quantity note, and associated callouts
Updated Area 23 limits

Replace Sheet D.16 with the attached Sheet D.7.
Updated Area 21 limits, quantity note, and associated callouts
Updated Area 23 limits

Replace Sheet E.3 with the attached Sheet D.7.
Updated Area 21 note

Replace Sheet E.5 with the attached Sheet D.7.
Updated Area 21 limits, quantity note, and associated callouts
Updated Area 23 limits

LETTING DATE 11/19/13

TREE FELLING
NHSN-100-1(81)-2R-57

LINN Co.

INDEX OF SHEETS	
No.	DESCRIPTION
A Sheets	Title Sheets
A.1 - 3	Title Sheet and Location Map
C Sheets	Quantities and General Information
C.1 - 5	Quantities and General Information
D Sheets	Mainline Plan and Profile Sheets
D.1 - 18	Mainline Plan and Profile Sheets
D.1 - 18	Plan & Profile Legend & Symbol Information Sheet
E Sheets	Side Road Plan and Profile Sheets
E.1 - 2	Covington Road
E.3	Ushers Ferry Road
E.4 - 6	Edgewood Road
G Sheets	Survey Sheets
G.1 - 4	Reference Ties and Bench Marks
G.5 - 6	Horizontal Control Ties & Super for all Alignments
G.7 - 16	Mainline and Loop Horizontal Geometric Sheets
G.17 - 19	Side Road Horizontal Geometric Sheets
H Sheets	Right-of-Way Sheets
H.1 - 17	Right-of-Way Sheets
HE-18 - 19	Covington Road
HE-20	Ushers Ferry Road
HE-21 - 23	Edgewood Road
	* Color Plan Sheets

Iowa Department of Transportation
Highway Division
PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
LINN COUNTY
TREE FELLING

COVINGTON ROAD TO EDGEWOOD ROAD

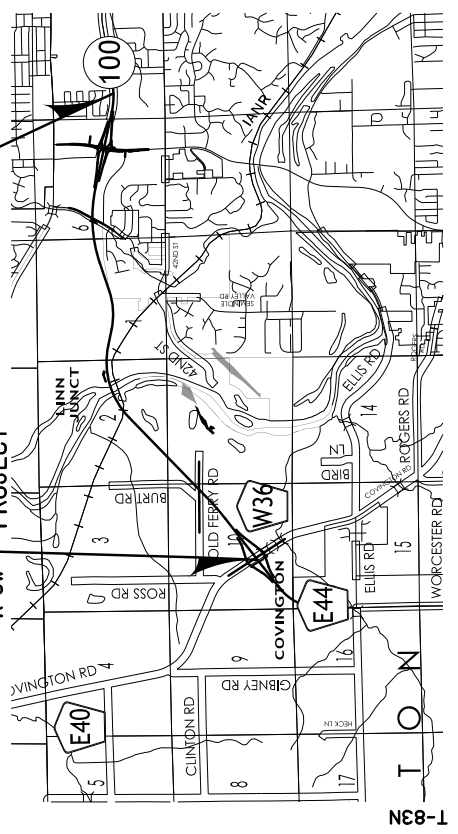
SCALE: as Noted

Refer to the Proposal Form for list of applicable specifications.
Value Engineering Saves. Refer to Article 106.15 of the Specifications.

NO MILEAGE SUMMARY

END TREE FELLING PROJECT STA. 1128+50.00

START TREE FELLING PROJECT STA. 900+39.79



REVISIONS	NOVA 7/4
PROJECT IDENTIFICATION NUMBER	99-57-100-020-02
PROJECT NUMBER	
NHSN-100-1(81)-2R-57	
R.O.W. PROJECT NUMBER	
NHSN-100-1(40)-R2-57	



ROADWAY DESIGN

I hereby certify that this engineering document 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: *Sirpa H. Hall* 11/1/2013
Printed or Typed Name: Sirpa H. Hall, P.E. Date

My license renewal date is December 31, 2014

Pages or sheets covered by this seal: A.L.L.A.3, D.1-5.5, D.1-5.10, E.L.E.6, G.1-6, L.9, L.L.H.17, H.E.18-H.E.23

INDEX OF SEALS		
SHEET NO.	NAME	TYPE
A.1	Sirpa Hall	Primary Signature Block

100-1D
10-18-09

PROJECT DESCRIPTION

This project (M5N-100-1(81)-2R-57) shall accomplish felling of trees in future construction areas. The project area is located just northwest of Cedar Rapids from Covington Road northeast to the Cedar River, then continuing east to just east of Edgewood Road. The felling limits are shown on the contract plan sheets. Removal of cut trees will not be necessary.

100-1A
07-15-97

**ESTIMATED PROJECT QUANTITIES
(1 DIVISION PROJECT)**

Item No.	Item Code	Item	Unit	Total	As Built Qty.
1	2526-8285000	CONSTRUCTION SURVEY	LS	1	
2	2528-8445110	TRAFFIC CONTROL	LS	1	
3	2533-4980005	MOBILIZATION ('ACRES', ITEM)	LS	43	
5	2595-9999021	TREE FELLING ('UNITS', ITEM)	UNIT	2303.8	

100-4A
10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
1	2526-8285000	CONSTRUCTION SURVEY The contractor shall provide all additional information. Survey right-of-way line between permanent and existing right-of-way corners at 100' intervals or less, if needed. Mark these points by placement of lath to clearly identify the line. Permanent and existing ROW corners will be located and marked by the engineer. Payment will be the contract unit price. See Standard Specification 2528. See Tabulation 108-23A. Traffic Control Plan on Sheet C.4.
2	2528-8445110	TRAFFIC CONTROL Payment will be based on contract unit price in accordance with Standard Specification 2533. Access to project corridor is limited to Covington Road, Ushers Ferry Road, Edgewood Road and Existing JA 100 Mainline and ramps.
3	2533-4980005	MOBILIZATION ('ACRES', ITEM) The Contractor shall be based on contract unit price in accordance with Standard Specification 2533. Access to project corridor is limited to Covington Road, Ushers Ferry Road, Edgewood Road and Existing JA 100 Mainline and ramps.
4	2595-9999021	TREE FELLING ('ACRES', ITEM) The Contractor shall cut all brush, shrubs, hedges, and trees as defined by Standard Specification 2101.01 within the areas identified in the construction plan documents. Estimated density and size of items to be cut is provided in the tabulation on sheet C.5. The tabulated densities and existing vegetation data are based on representative sample areas within the corridor where field tree counts have been performed. This information is provided to assist the contractor in estimating cutting operations by area and it is not intended to specifically define the areas to be cut. The contractor shall be responsible for providing aerial photography and visit accessible areas of the project site prior to bidding this item. Clearing operations shall occur between proposed/future ROW lines as defined in the construction documents unless otherwise noted. Clearing of any vegetation outside of the limits shown in the contract documents is prohibited. All brush, shrubs, hedges, and trees shall be cut approximately 3-4 feet above the ground to allow for future stump removal. All cut vegetation can be left on site but should not be located within existing waterways, drainage ways, or outside future state right-of-ways. Extreme care should be taken to not fell trees onto private property or into existing waterways. Clearing debris shall not be left near existing waterways where debris could enter the waterway during periods of high flow. The Contractor may salvage cut trees if desired but operations to salvage and remove cut timber from the project site will not be considered for payment. Access of heavy equipment to the project site for salvage and removal of cut trees is limited and must be approved by the Engineer. Method of Measurement - Plan Quantity Basis of Payment - The Contractor will be paid the contract unit price per acre for work satisfactorily completed as described above and in contract documents.

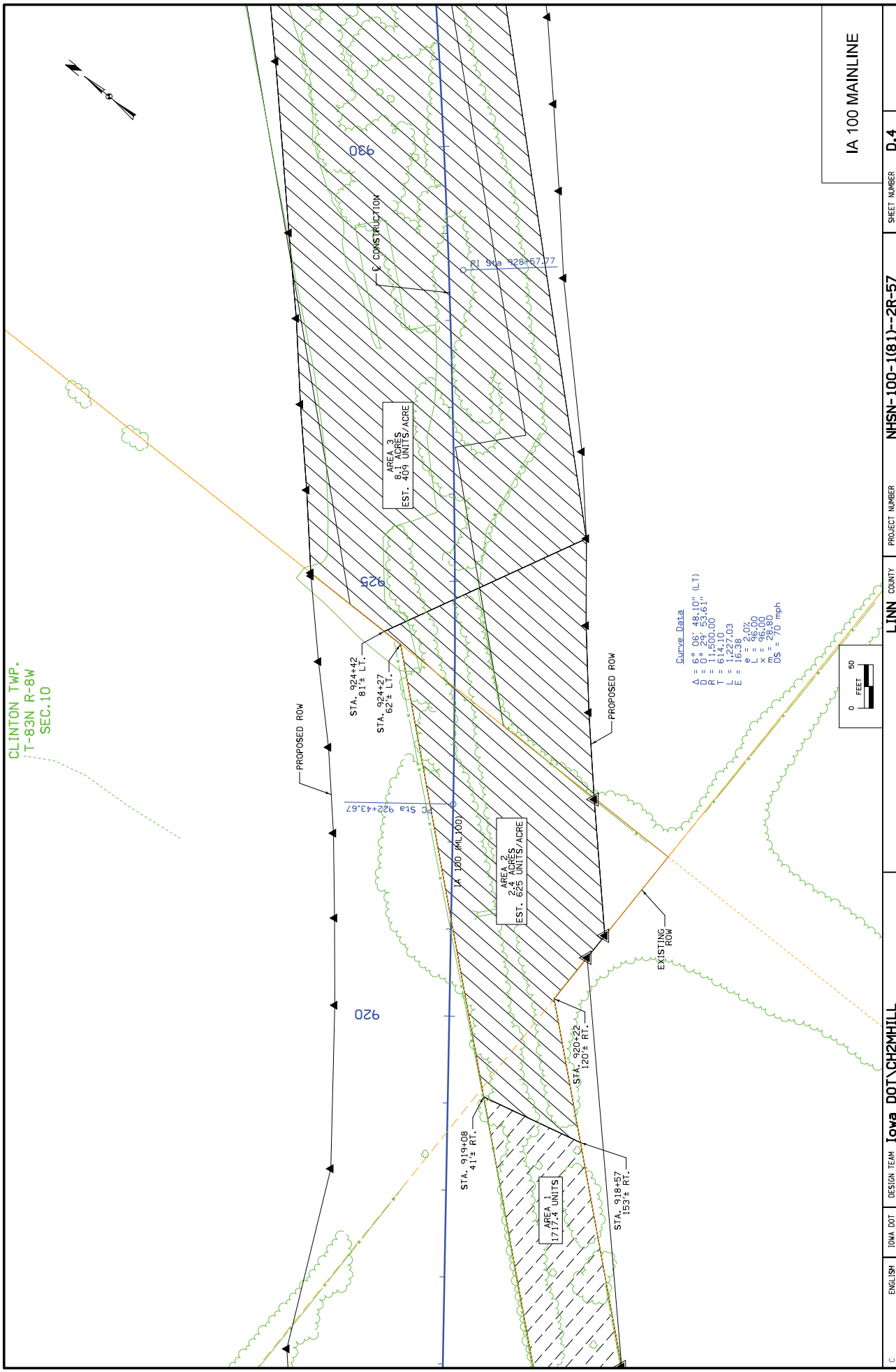
100-4A
10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
5	2595-9999021	TREE FELLING ('UNITY', ITEM) The Contractor shall cut all brush, shrubs, hedges, and trees as defined by Standard Specification 2101.01 and tabulation on sheet C.5. These units are calculated per Standard Specification 2101.04. The Contractor shall remove all brush, shrubs, hedges, and trees identified in the contract documents. The Contractor is encouraged to review aerial photography and visit accessible areas of the project site prior to bidding this item. Clearing operations shall be limited to between proposed/future ROW lines and locations identified in the construction documents. Other vegetation within state right-of-ways and identified in the plan documents but outside of the limits shown in the contract documents shall be removed by the Contractor at no additional cost to the project. Clearing of any vegetation outside of the limits shown in the contract documents without prior approval by the Engineer is prohibited. All brush, shrubs, hedges, and trees shall be cut approximately 3-4 feet above the ground to allow for future stump removal. All cut vegetation can be left on site but should not be located within existing waterways, drainage ways, or outside future state right-of-ways. Extreme care should be taken to not fell trees onto private property or into existing waterways. Clearing debris shall not be left near existing waterways where debris could enter the waterway during periods of high flow. The Contractor may salvage cut trees if desired but operations to salvage and remove cut timber from the project site will not be considered for payment. Access of heavy equipment to the project site for salvage and removal of cut trees is limited and must be approved by the Engineer. Method of Measurement - Plan Quantity Basis of Payment - The Contractor will be paid the contract unit price per unit for work satisfactorily completed.

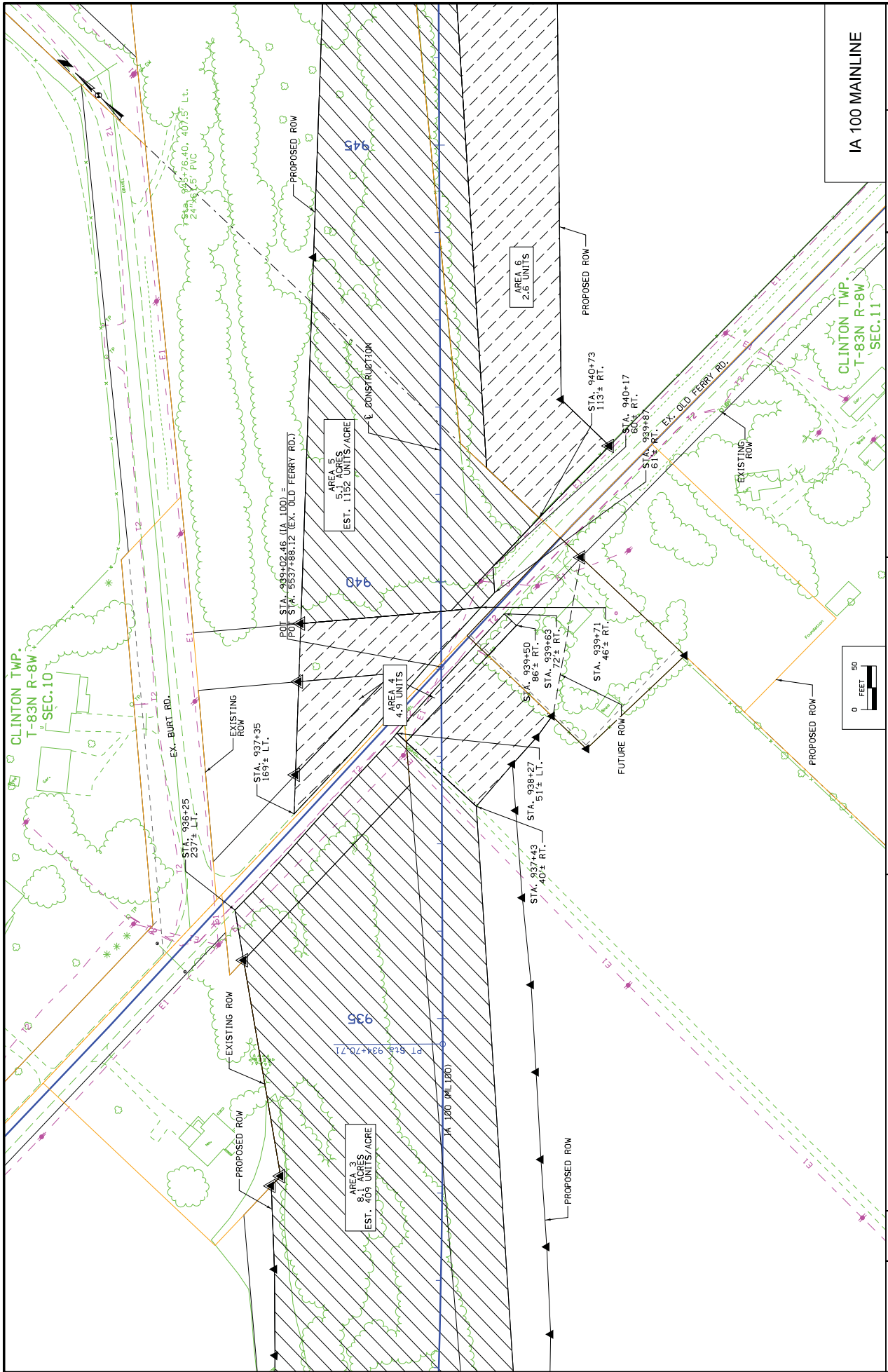
TREE AND BRUSH FELLING BY ACRE													ACRE	NEW									
Area ID	Total Area Acres	Estimated Density Units by Acre (per Standard Specification Table 2101-04-1: Clearing and Grubbing Units)										Total Units	Hedge	Brush	Total Units	Remarks							
		>3"-6"	>6"-9"	>9"-12"	>12"-15"	>15"-18"	Type	>24"-30"	>30"-36"	>36"-42"	>42"-48"						>48"-60"	>60"-72"	>72"				
2	7.4	106.0	127.0	97.0	73.0	62.0	169.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	625.0	0.0	0.0	489.0			
3	8.1	43.0	33.0	29.0	14.0	15.0	0.0	35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	489.0	0.0	0.0	489.0		
5	5.1	295.0	137.0	236.0	107.0	90.0	166.0	217.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1152.0	0.0	0.0	1152.0		
8	4.8	163.0	152.0	143.0	140.0	62.0	116.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	770.0	0.0	0.0	770.0		
10	2.2	49.0	77.0	107.0	48.0	0.0	26.0	80.0	66.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	453.0	0.0	0.0	453.0		
18	7.0	149.0	162.0	143.0	87.0	47.0	59.0	80.0	66.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	793.0	0.0	0.0	793.0		
21	14.1	89.0	90.0	177.0	68.0	114.0	88.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	745.0	0.0	0.0	745.0		
22	1.6	167.0	294.0	177.0	0.0	127.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	765.0	0.0	0.0	765.0		
TOTAL	43.3																						

TREE AND BRUSH FELLING BY UNIT													UNIT	NEW										
Area ID	>3"-6"	>6"-9"	>9"-12"	>12"-15"	>15"-18"	>18"-24"	>24"-30"	>30"-36"	>36"-42"	>42"-48"	>48"-60"	>60"-72"	>72"	Total Units	Hedge	Brush	Total Units	Remarks						
																			Count (per Standard Specification Table 2101-04-1: Clearing and Grubbing Units)					
1	138.5	124.3	134.9	98.0	61.1	126.0	57.0	44.0	60.0	0.0	0.0	0.0	873.6	0.0	0.0	1717.4								
4	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.4	0.0	0.0	4.9								
6	1.5	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6								
9	20.0	15.4	13.3	8.4	9.4	22.8	0.0	0.0	0.0	0.0	0.0	0.0	80.0	0.0	0.0	179.7								
10	2.6	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0								
18	77.5	29.7	26.6	36.4	28.2	33.6	34.2	22.0	0.0	0.0	0.0	0.0	1.6	0.0	0.0	289.8								
23																								
TOTAL																								

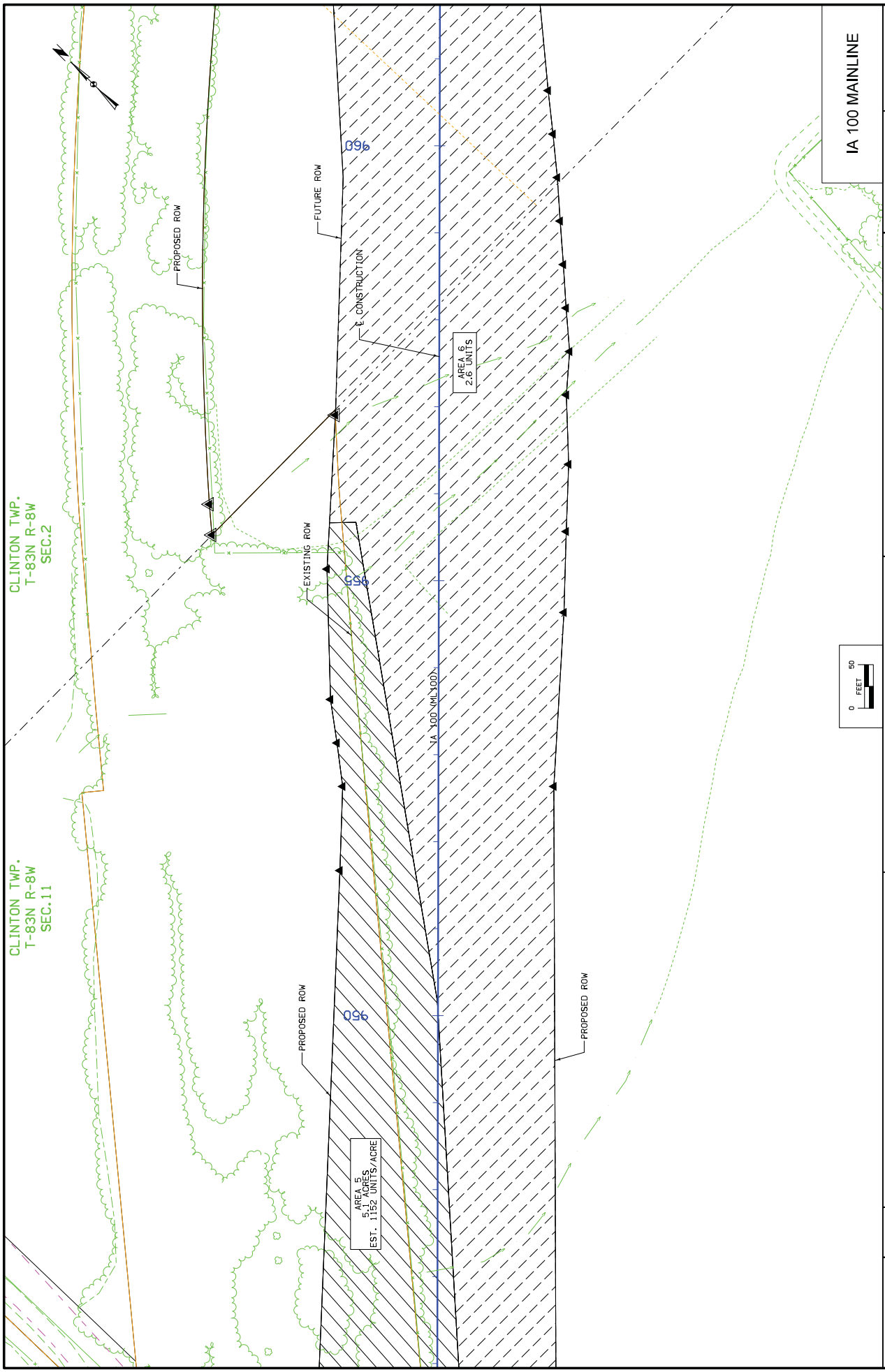


IA 100 MAINLINE

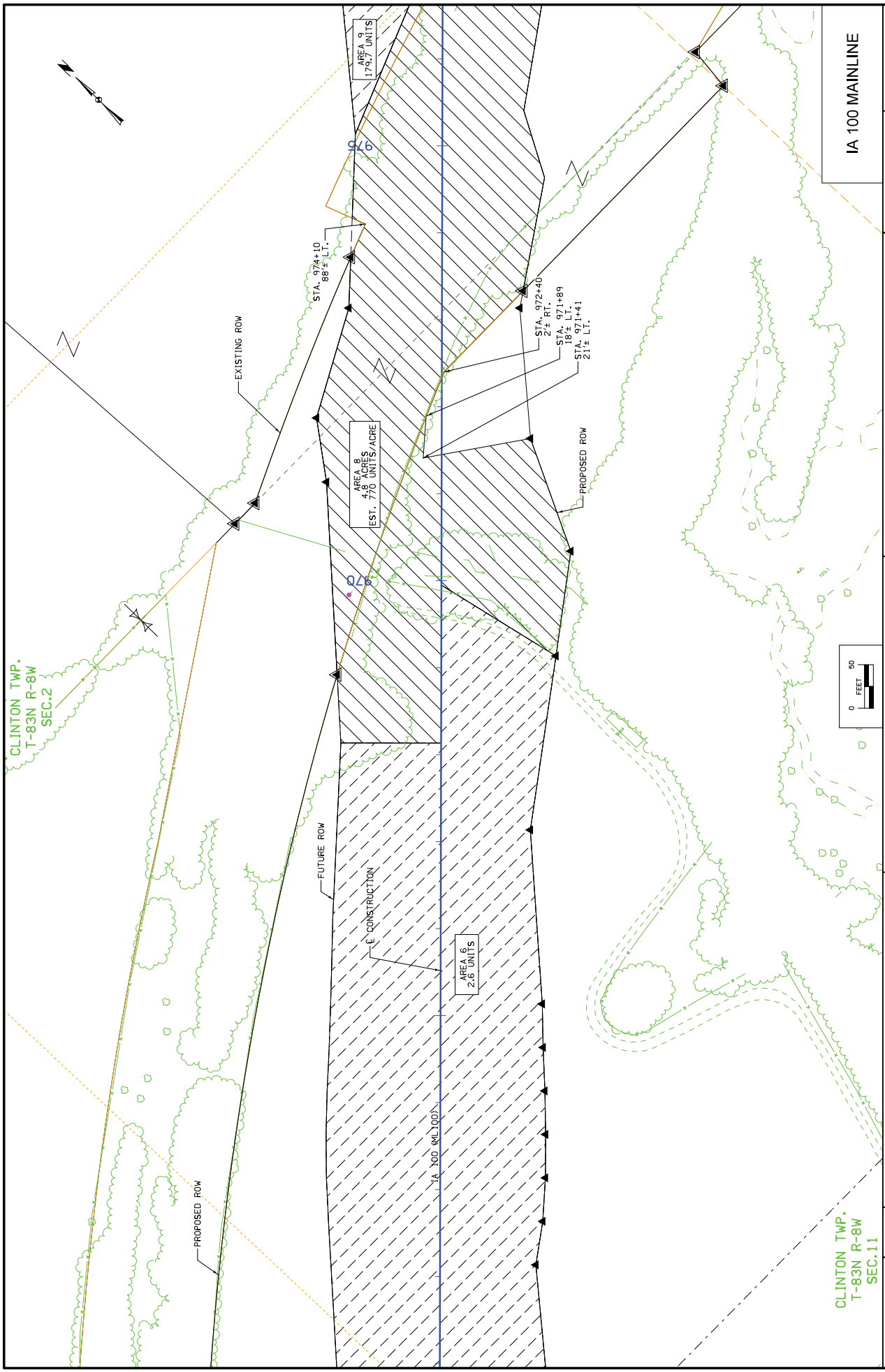
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ENGLISH	2013\1\1\DOT	Jwan1	DESIGN TEAM	Iowa DOT\CH2MHILL	PROJECT NUMBER	NHSN-100-(81)-2R-57	SHEET NUMBER	D.5
IA 100 MAINLINE								

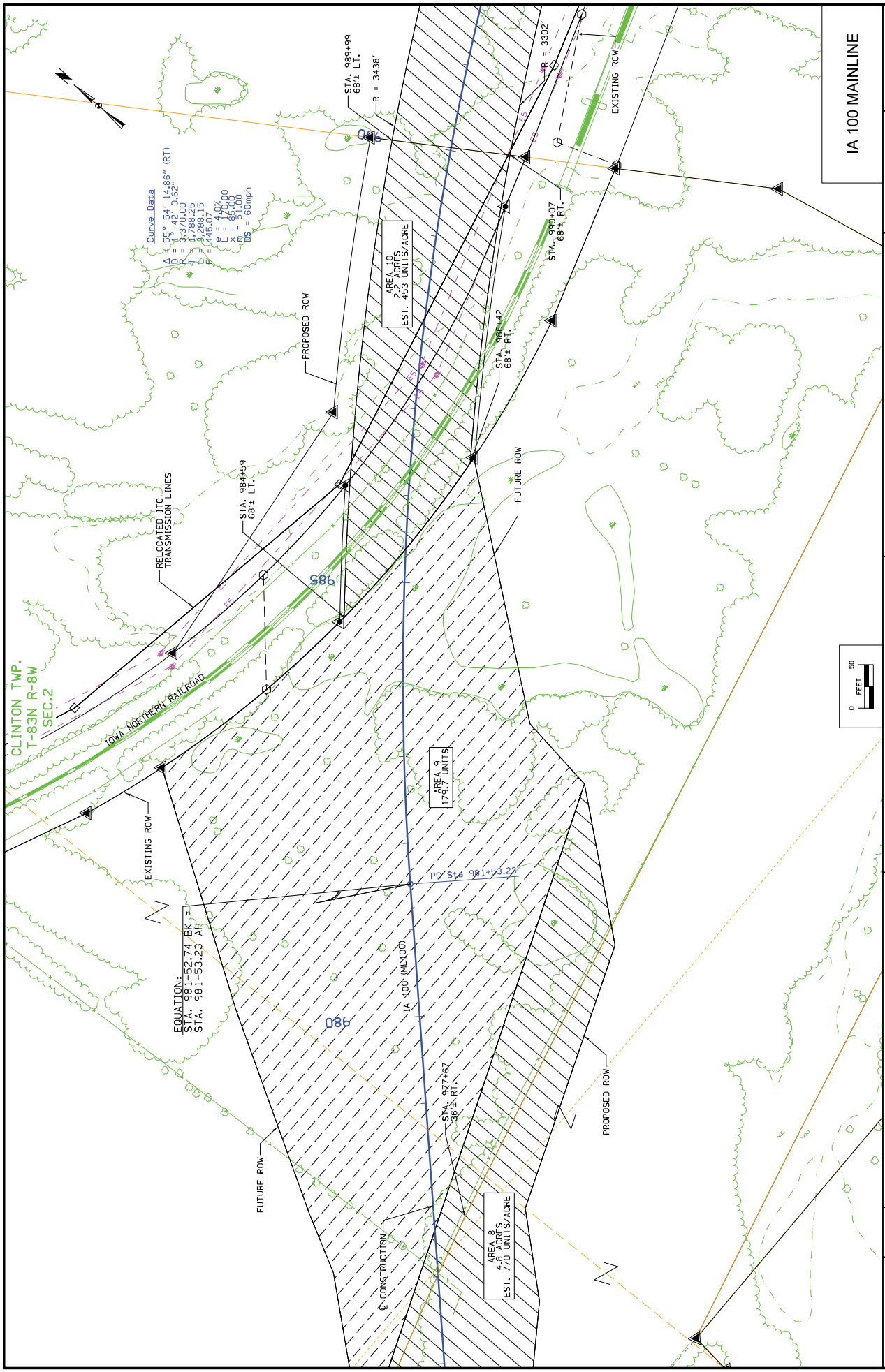


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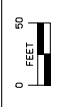


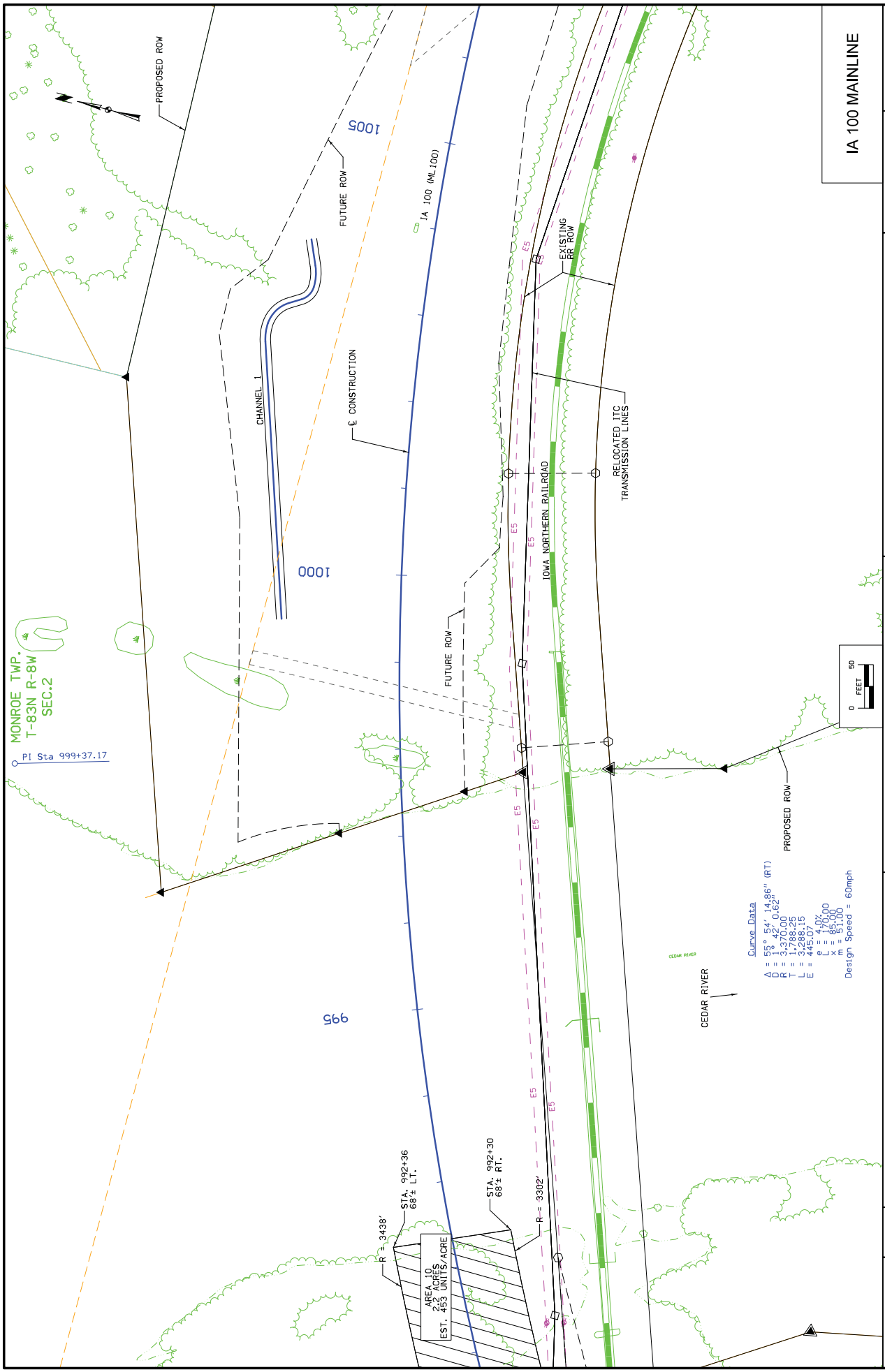
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			CLINTON TWP. T-83N R-8W SEC.11	IA 100 MAINLINE			

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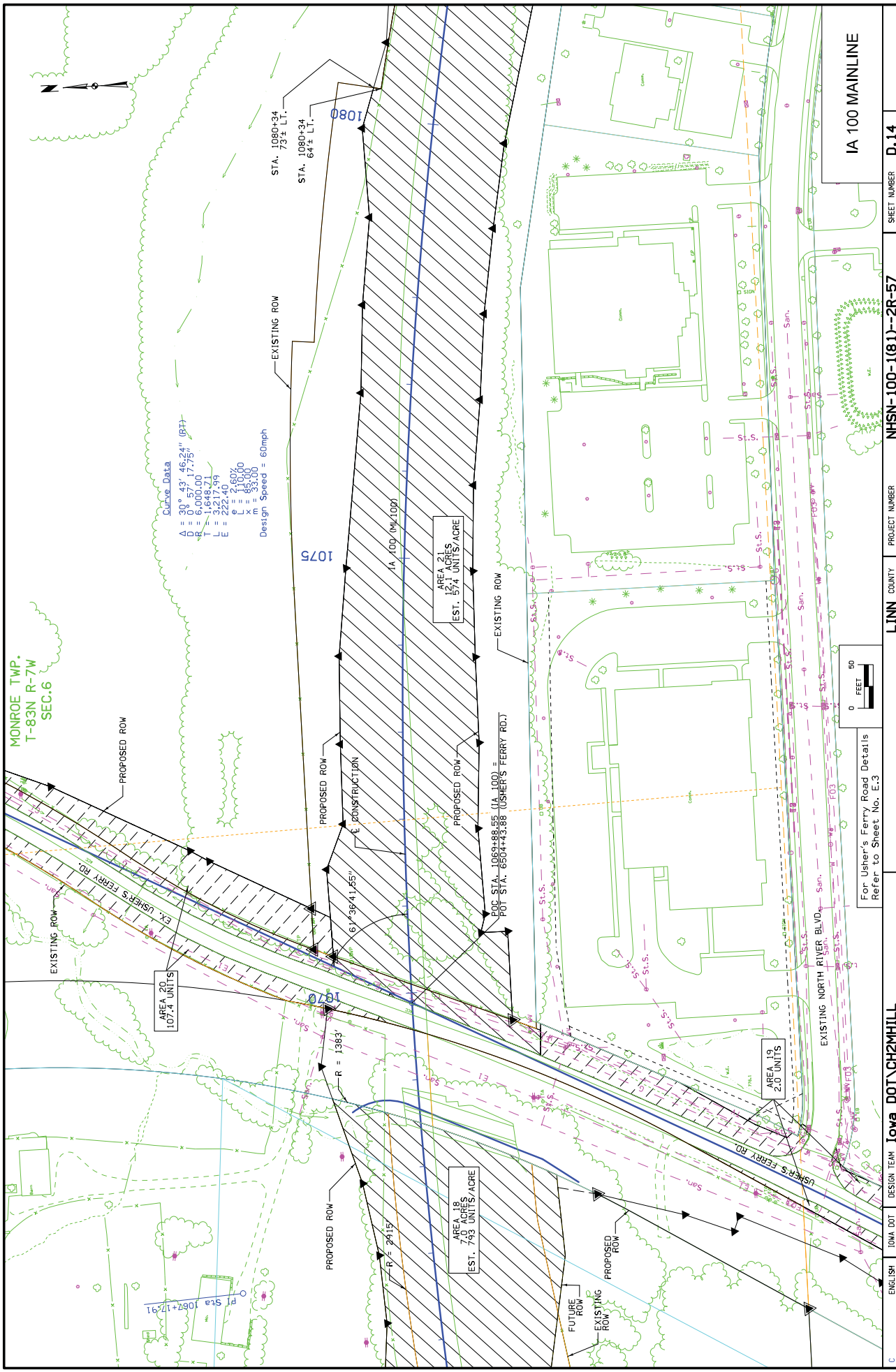


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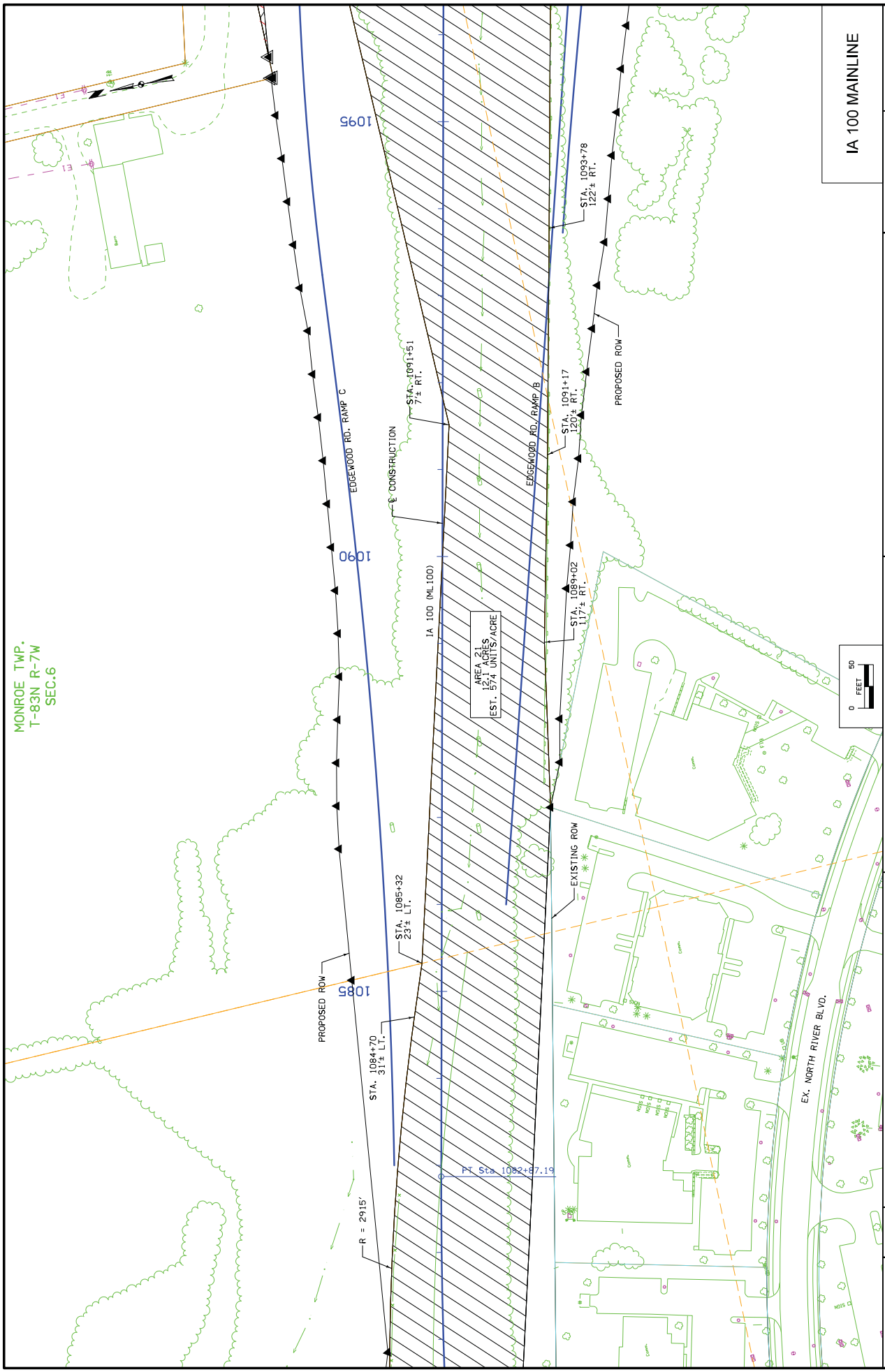


Curve Data
 A = 30° 43' 46.24" (RT)
 R = 6,007.75"
 T = 1,648.21'
 L = 3,217.99'
 E = 222.40'
 C = 110.00'
 X = 85.00'
 Design Speed = 60mph

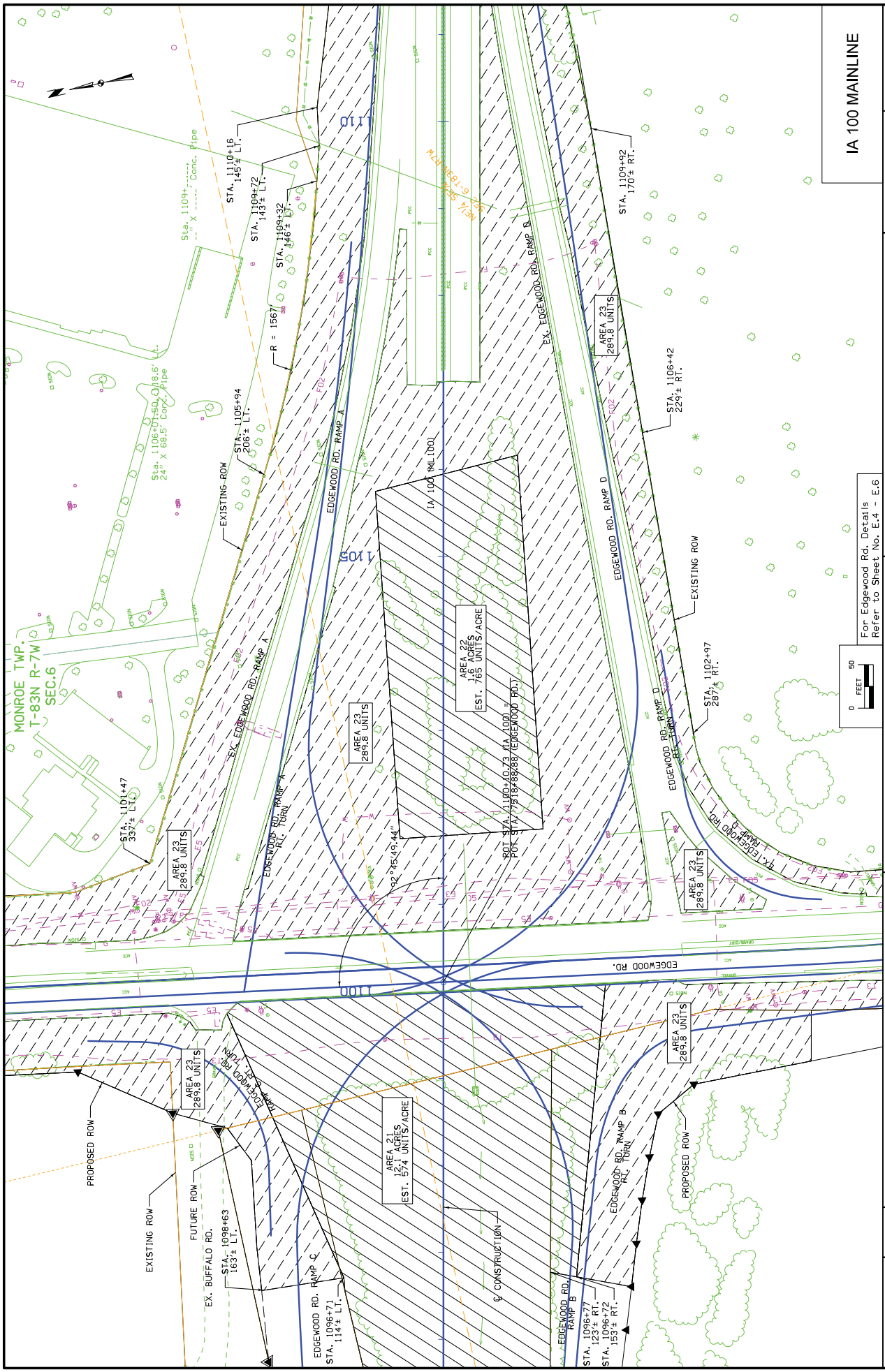


For Usher's Ferry Road Details
 Refer to Sheet No. E.3

ENGLISH	DATE	DESIGN TEAM	Iowa DOT\CH2MHILL	LINN COUNTY	PROJECT NUMBER	NHSN-100-1(81)-2R-57	SHEET NUMBER	D.14
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IA 100 MAINLINE									



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SHEET NUMBER D.16

PROJECT NUMBER N157-100-1(81)-2R-57

LINN COUNTY PROJECT NUMBER

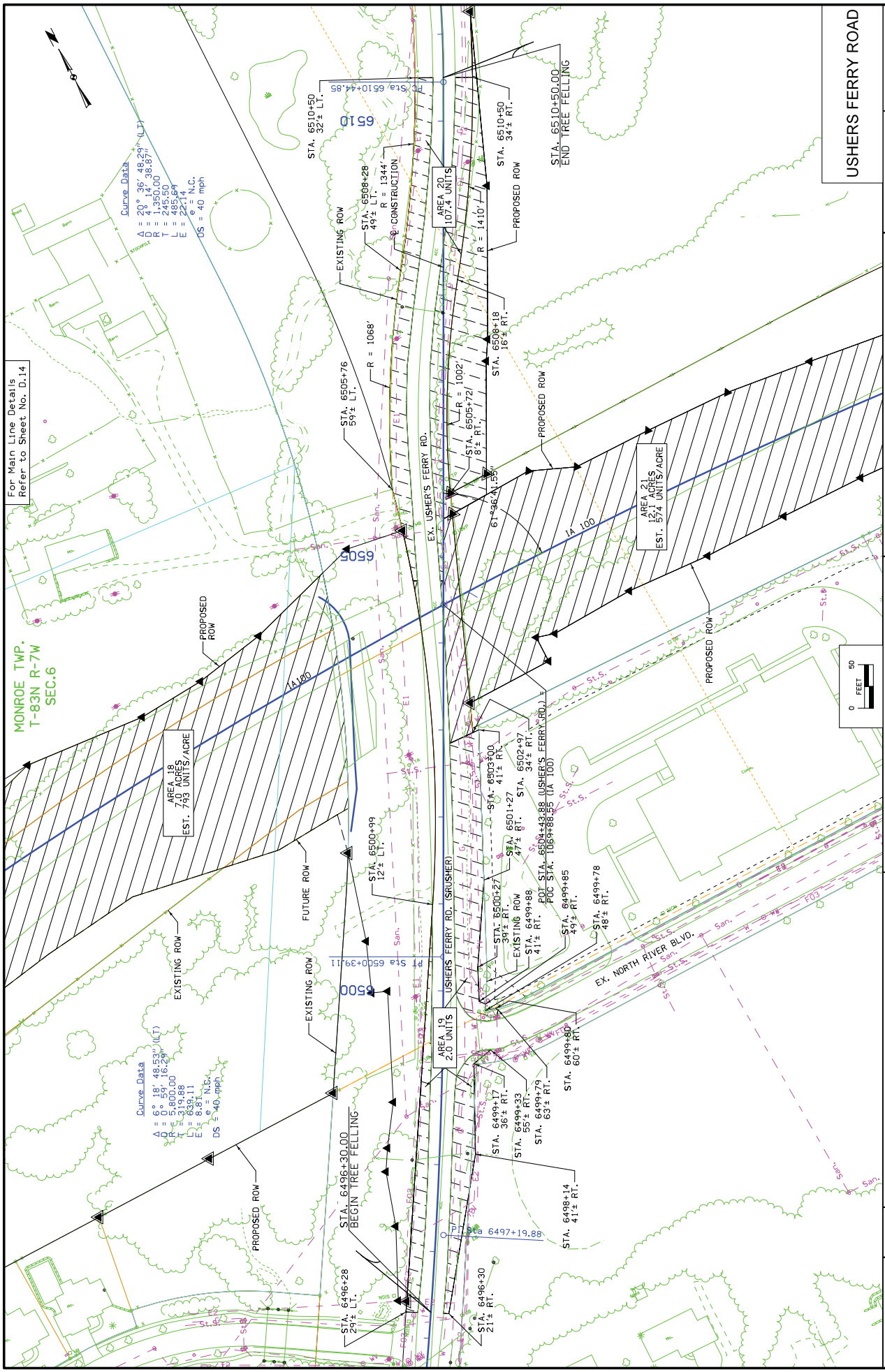
For Edgewood Rd. Details Refer to Sheet No. E.4 - E.6



DESIGN TEAM Iowa DOT/CH2MHILL

ENGLISH IOWA DOT Jwaehl

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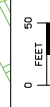


For Main Line Details
Refer to Sheet No. D.14

MONROE TWP.
T-83N R-7W
SEC.6

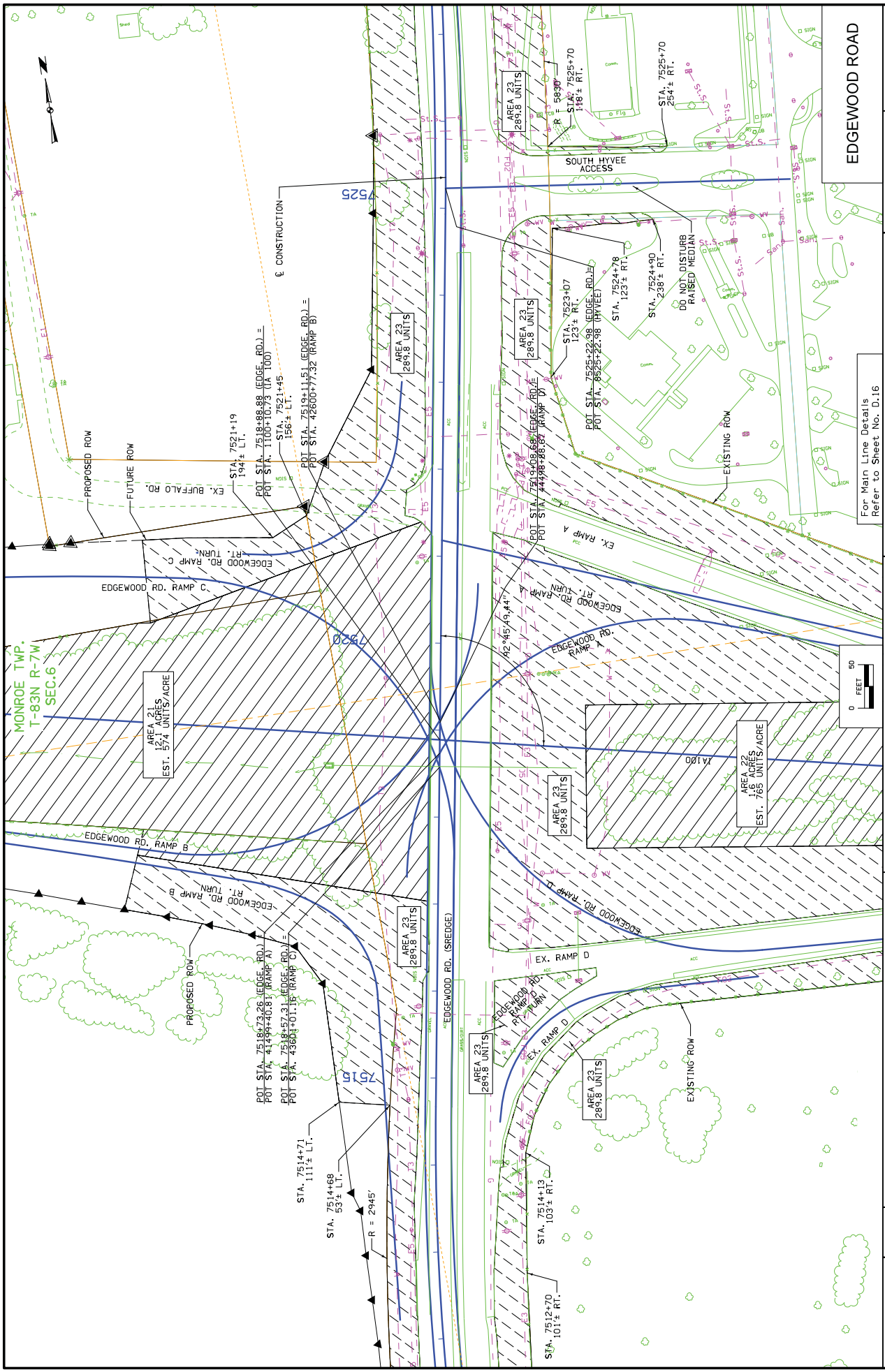
Curve Data
 $A = 20^\circ 36' 48.29''$ (LT)
 $D = 4.14' 38.87''$
 $T = 2490.00'$
 $L = 485.89'$
 $E = 22.14'$
 $OS = 40$ mph

Curve Data
 $A = 6^\circ 18' 48.59''$ (LT)
 $D = 0.58' 16.25''$
 $T = 5800.00'$
 $L = 319.88'$
 $E = 834.11'$
 $OS = N.C.$
 $DS = 40$ mph



ENGLISH	DATE	DESIGN TEAM	Iowa DOT\CH2MHILL	PROJECT NUMBER	NHSN-100-1(81)-2R-57	SHEET NUMBER	E.3
2013\11\01	Jwehl			LINN COUNTY			

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C ENGLISH 2013/11/01 Jwehrl	IOWA DOT DESIGN TEAM Jwehrl	IOWA DOT CH2MHILL	LINN COUNTY PROJECT NUMBER N15710008	E.5 SHEET NUMBER 15710008
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For Main Line Details
Refer to Sheet No. D.16