

**MARION COUNTY** NHSX-092-6(040)--3H-63/HSIPX-092-6(042)--3L-63  
 HMA RESURFACING WITH MILLING

LETTING DATE  
 12/19/2023



PLANS OF PROPOSED IMPROVEMENT ON THE  
**PRIMARY ROAD SYSTEM**  
**MARION COUNTY**  
**HMA RESURFACING WITH MILLING**  
 E of Knoxville to 0.15 W of Co Rd T25

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.



For Project Location Map  
 Refer to Sheet No. A.2

DESIGN DATA RURAL			
2023	AADT	3,795	V.P.D.
2043	AADT	4,843	V.P.D.
2043	DHV	500	V.P.H.
	TRUCKS	16	%
	Total Design ESALs	2.2 million	

INDEX OF SEALS			
SHEET NO.	NAME	TYPE	BID QUANTITY SHEETS
A.1	Jonathan W. Bahr	Primary Signature Block	X
X	X	X	X

REVISIONS

TOTAL

PROJECT IDENTIFICATION NUMBER

22-63-092-020

PROJECT NUMBER

NHSX-092-6(040)--3H-63/HSIPX-092-6(042)--3L-63

R.O.W. PROJECT NUMBER

NHSN-092-6(041)--2R-63

**INDEX OF SHEETS**

No.	DESCRIPTION
<b>A Sheets</b>	<b>Title Sheets</b>
A.1	Title Sheet
A.2	Location Map Sheet
<b>B Sheets</b>	<b>Typical Cross Sections and Details</b>
B.1 - 5	Typical Cross Sections and Details
<b>D Sheets</b>	<b>Mainline Plan and Profile Sheets</b>
* D.1	Plan & Profile Legend & Symbol Information Sheet
D.2 - 14	IA 92 As-Built Plan and Profile
* D.15	Intersection Plan Sheet IA 92 and T17
D.16 - 21	IA 92 As-Built Plan and Profile
<b>J Sheets</b>	<b>Traffic Control and Staging Sheets</b>
J.1	Traffic Control Plan & 511 Travel Restriction
J.1	Coordinated Operations
* J.2	Centerline Rumble Strips (Two-Lane) Traffic Detail
<b>U Sheets</b>	<b>500 Series, Mod.Stds. and Detail Sheets</b>
* U.1	T17 Intersection Pavement Markings
<b>W Sheets</b>	<b>Mainline Cross Sections</b>
W.1 - 21	IA 92 Cross Sections
<b>X Sheets</b>	<b>Side Road Cross Sections</b>
X.1 - 4	T17 Cross Sections
	* Color Plan Sheets

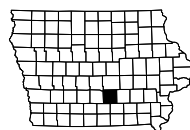
**PROJECT EVENT DATES**

DM5 - 08-29-2023  
 D7 - 10-03-2023

PRELIMINARY PLANS

Subject to change by final design.

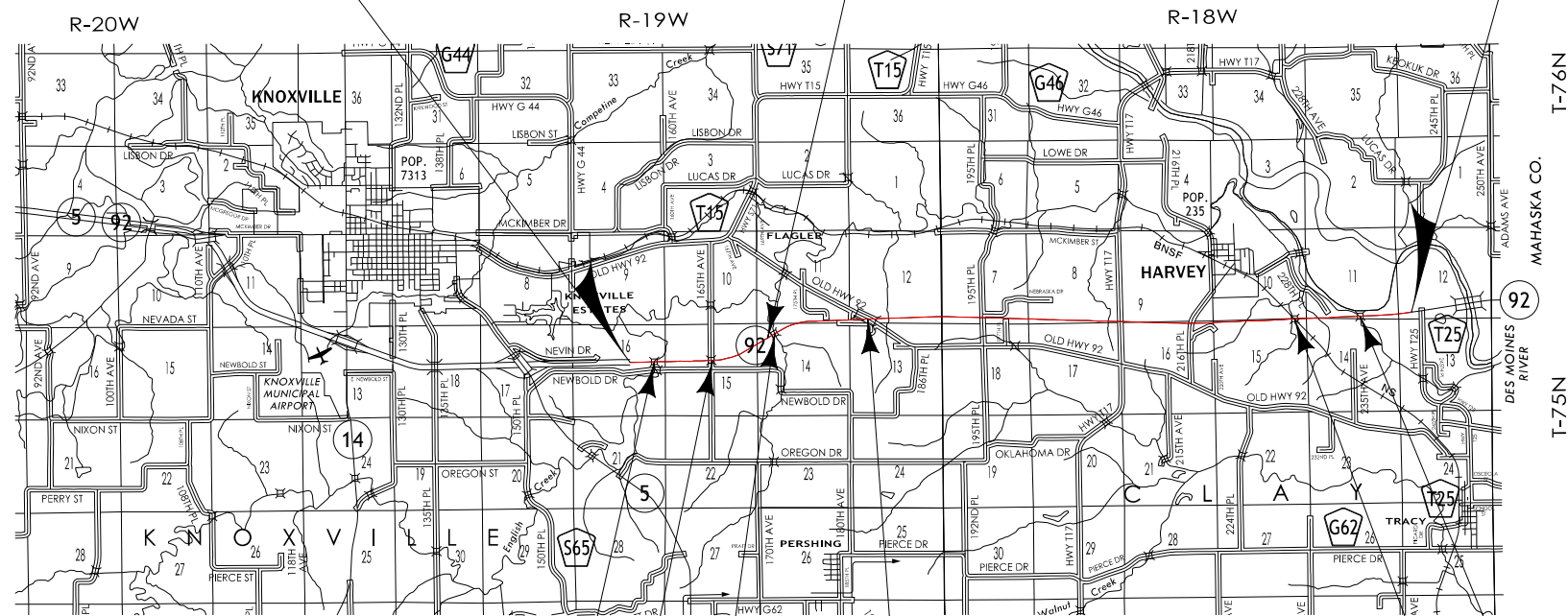
**D5 PLAN - Date: 02-23-2023**



BEGIN PROJECT  
 STA. 1035+00  
 REF. LOC. 159.09

EQUATION  
 STA 1151+67.60 (BK) =  
 STA 110+73.00 (AH)

END PROJECT  
 STA. 447+25  
 REF. LOC. 167.66



FHWA 603530  
 MAINT 6359.4S092  
 PPCB BRIDGE 205'X6" x 44'X0"

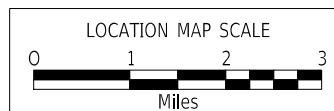
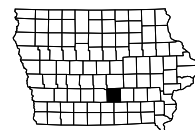
FHWA 603550  
 MAINT 6360.0S0922  
 PPCB BRIDGE 151'X4" x 44'X0"

FHWA 603540  
 MAINT 6360.8S092  
 TWIN 10' X 12' X 227' RCB CULVERT

FHWA 600770  
 MAINT 6361.80092  
 CONTINUOUS WELDED GIRDER BRIDGE 575' X 32'

FHWA 600770  
 MAINT 6361.80092  
 CONTINUOUS WELDED GIRDER BRIDGE 575' X 32'

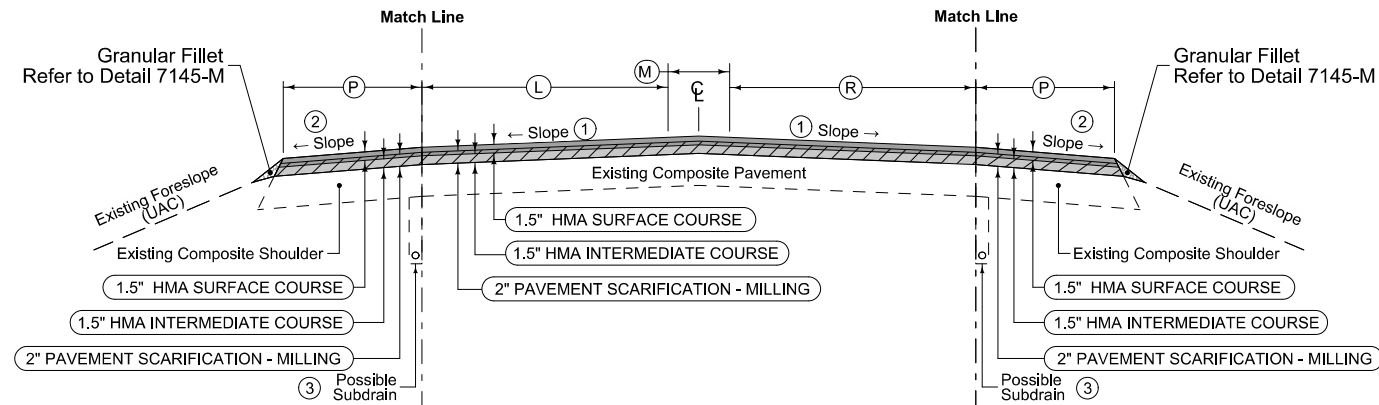
FHWA 602660  
 MAINT 6367.1S092  
 PPCB BRIDGE 193' X 44'  
 FRA 098023E



**Paved Shoulder and Granular Fillet  
NHSX-092-6(40)--3H-63**

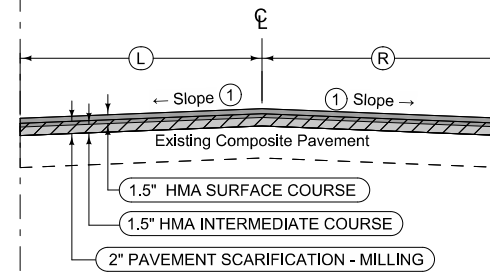
3R_Shldr_P_Milling_ Modified			
STATION TO STATION		(P) Feet	Division
1035+00	1115+67.60 (E1)	10	1
110+73.00 (E1)	271+81.86	10	1
298+35.49	447+25	10	1

STATION EQUATION (E1) 1115+67.60 (BK) = 110+73.00 (AH)



**NHSX-092-6(40)--3H-63**

3R_MillingOverlay_ Modified						
STATION TO STATION		(L) Feet	(M) Feet	(R) Feet	Division	Remarks
1035+00	1042+05	12	36-0	12	1	



**NHSX-092-6(40)--3H-63**

3R_MillingOverlay_ Modified					
STATION TO STATION		(L) Feet	(R) Feet	Division	Remarks
1042+05	1115+67.60 (E1)	12	12	1	
110+73.00 (E1)	271+81.86	12	12	1	
298+35.49	447+25	12	12	1	

STATION EQUATION (E1) 1115+67.60 (BK) = 110+73.00 (AH)

**Paved Shoulder and Granular Fillet  
NHSX-092-6(40)--3H-63**

3R_Shldr_P_Milling_ Modified			
STATION TO STATION		(P) Feet	Division
1035+00	1115+67.60 (E1)	10	1
110+73.00 (E1)	271+81.86	10	1
298+35.49	447+25	10	1

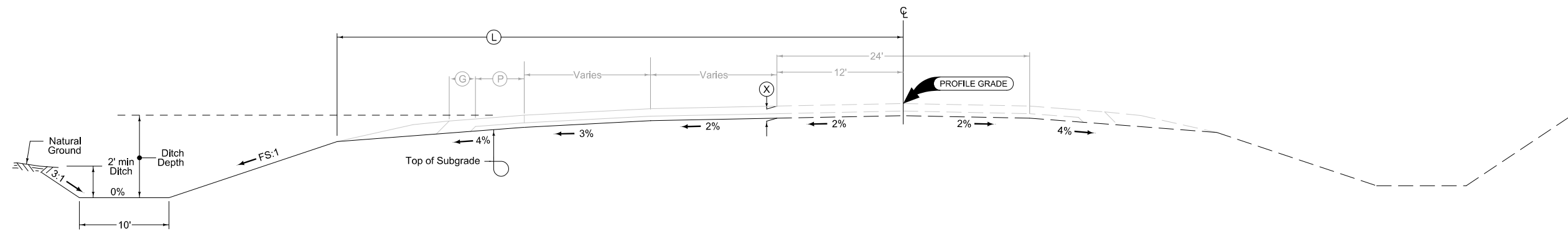
STATION EQUATION (E1) 1115+67.60 (BK) = 110+73.00 (AH)

- ① Finished slope over Thru Lanes shall match existing pavement except the minimum allowable slope is 2.0% and the maximum allowable slope is 3.0%. Section may be modified as directed by the Engineer through areas of special shaping.
- ② Finished slope over Shoulders shall match existing pavement except the minimum allowable slope is 4.0% and the maximum allowable slope is 6.0%. Section may be modified as directed by the Engineer through areas of special shaping.
- ③ UAC existing subdrain. All existing subdrain shall remain functional at all times (do not plug or crush). New subdrain shall be in contact with the granular material below the existing mainline pavement (see Tab 104-9 on CS sheets for proposed locations).

General Notes:

- 1. Stationing on typical sections does not include gapping for paved sideroads or paved entrances. Refer to Details.
- 2. See Tab 100-25 for Pavement quantities.
- 3. See Tab 112-9 for Granular Shoulder quantities.

**IA 92 HMA RESURFACING WITH MILLING  
(Beginning of Project to Co Rd T17)  
(Co Rd T17 to End of Project)**



Normal section shown may be modified appropriately in areas of superelevated curves or other locations specifically designated by the Engineer.

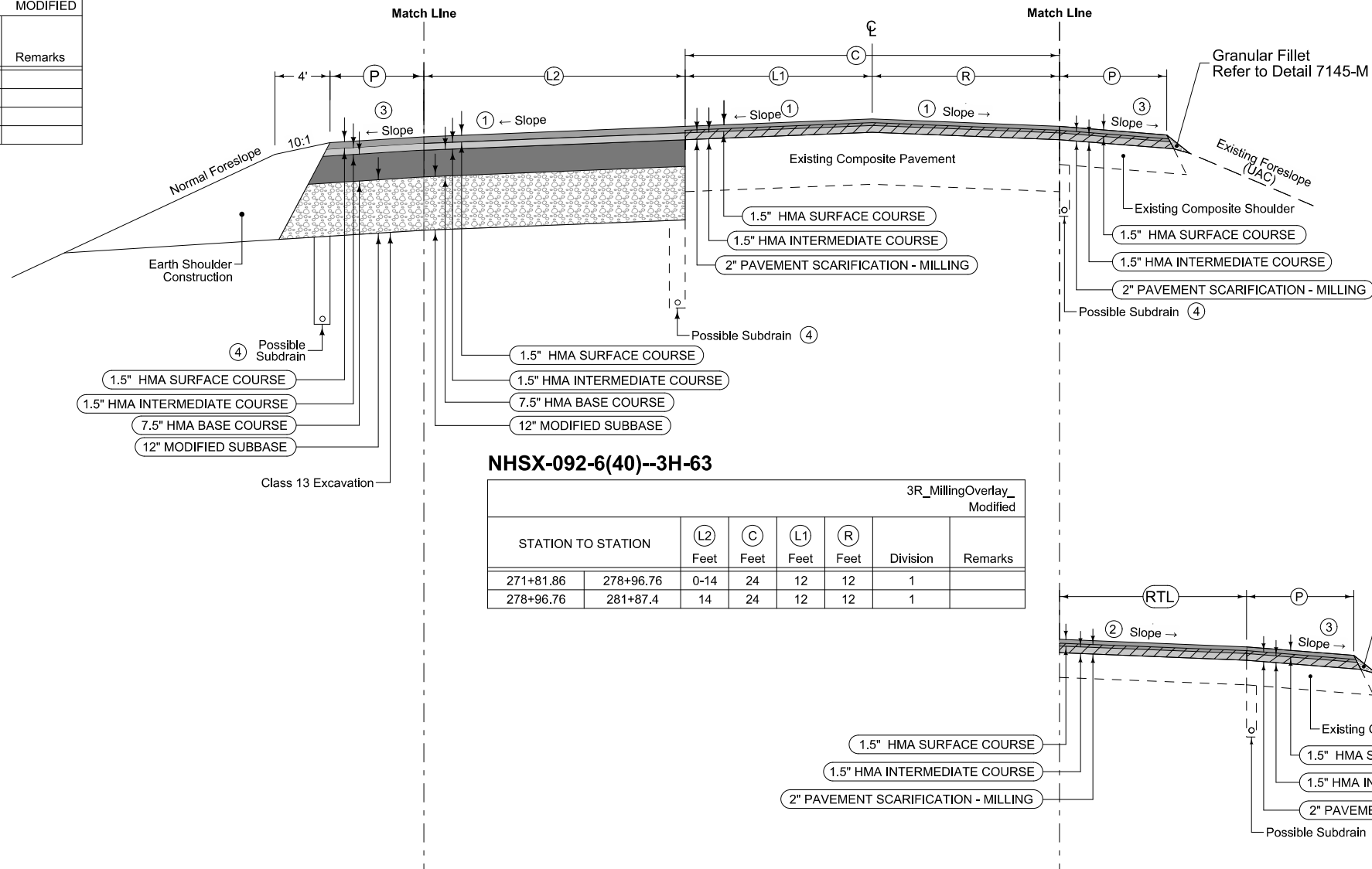
See plan & profile sheets and cross sections for additional details of ditches and backslopes.

**2 LANE GRADING**

LOCATION		DIMENSIONS		
ROAD IDENTIFICATION	STATION TO STATION	Ⓛ Feet	Ⓧ Inches	FS
IA 92	271+81.86 279+81.12	x	22.5	3:1
IA 92	282+63.91 298+35.49	x	22.5	3:1

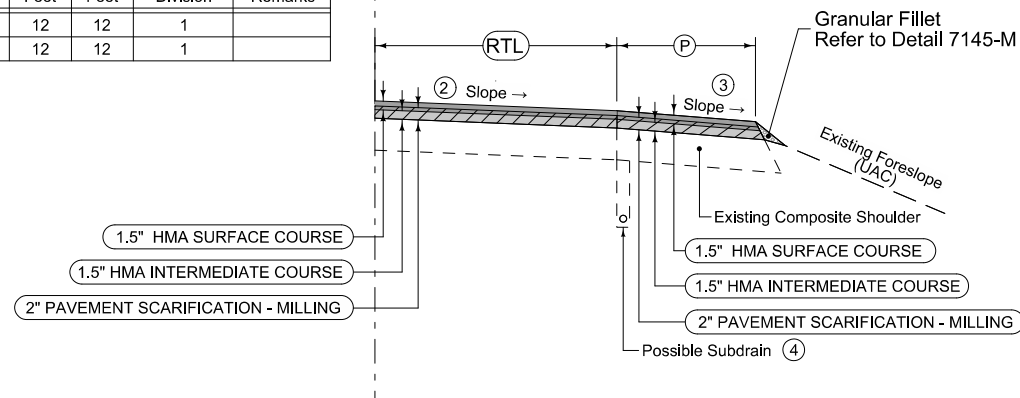
**Paved Shoulder  
HSIPX-092-6(42)--3L-63**

2_C MODIFIED			
STATION TO STATION	(P) Feet	Division	Remarks
271+81.86	279+81.12	10	1



**NHSX-092-6(40)--3H-63**

3R_MillingOverlay_ Modified						
STATION TO STATION	(L2) Feet	(C) Feet	(L1) Feet	(R) Feet	Division	Remarks
271+81.86	278+96.76	0-14	24	12	12	1
278+96.76	281+87.4	14	24	12	12	1



**Paved Shoulder and Granular Fillet  
NHSX-092-6(40)--3H-63**

3R_Shldr_P_Milling_ Modified			
STATION TO STATION	(P) Feet	Division	Remarks
271+81.86	278+96.76	10	1

**Paved Shoulder and Granular Fillet  
NHSX-092-6(40)--3H-63**

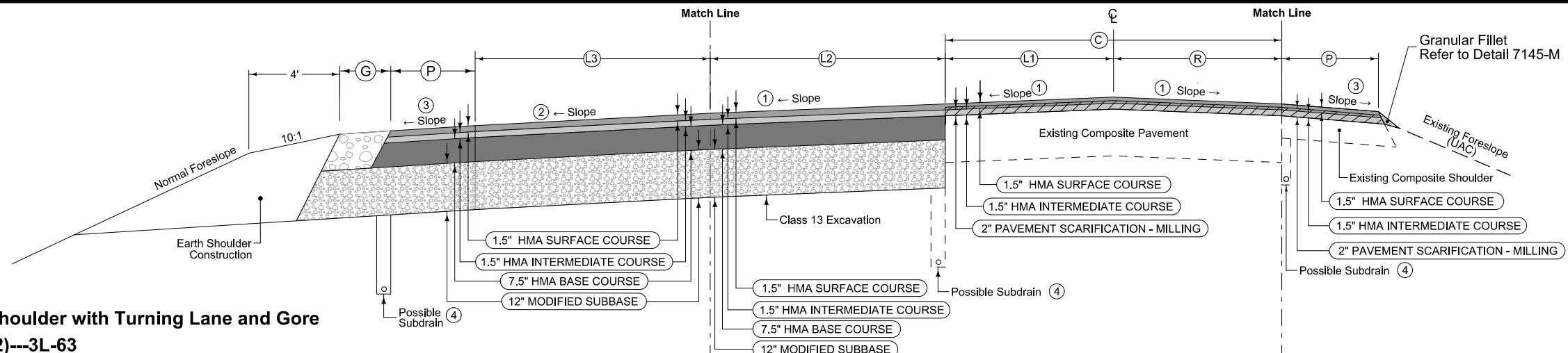
3R_Shldr_P_Milling_ Modified				
STATION TO STATION	(RTL) Feet	(P) Feet	Division	Remarks
278+96.76	279+81.12	0 - 10	10 - 0	1
279+81.12	281+30	10	0	1

- ① Finished slope over Thru Lanes shall match existing pavement except the maximum allowable slope is 3.0% and the minimum allowable slope is 2.0%. Section may be modified as directed by the Engineer through areas of special shaping.
- ② Finished slope of Turning Lanes shall match existing except the minimum allowable slope is 3% and the maximum allowable slope is 4%. Section may be modified as directed by the Engineer through areas of special shaping.
- ③ Finished slope of Shoulder shall have a minimum allowable slope of 4% and a maximum allowable slope of 6%. Section may be modified as directed by the Engineer through areas of special shaping.
- ④ UAC existing subdrain unless noted on CS Sheets. All existing subdrain shall remain functional at all times (do not plug or crush). New subdrain shall be located at the outside edge of the paved shoulder and shall be in contact with the granular subbase. Pavement removal is not required for the installation of new subdrain. See Tab 104-9 and Detail RLS-3 on CS Sheets for proposed locations.

General Notes:

- 1. Stationing on typical sections does not include gapping for paved sideroads or paved entrances. Refer to Details.
- 2. See Tab 100-25 for Pavement quantities.
- 3. See Tab 112-9 for Granular Shoulder quantities.

**IA 92 HMA RESURFACING WITH MILLING  
AND HMA TURNING LANE  
(West of Co Rd T17)**



**Combination Shoulder with Turning Lane and Gore  
HSIPX-092-6(42)--3L-63**

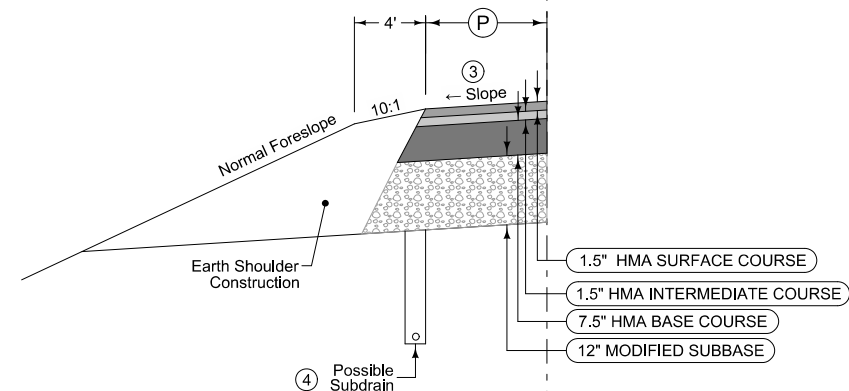
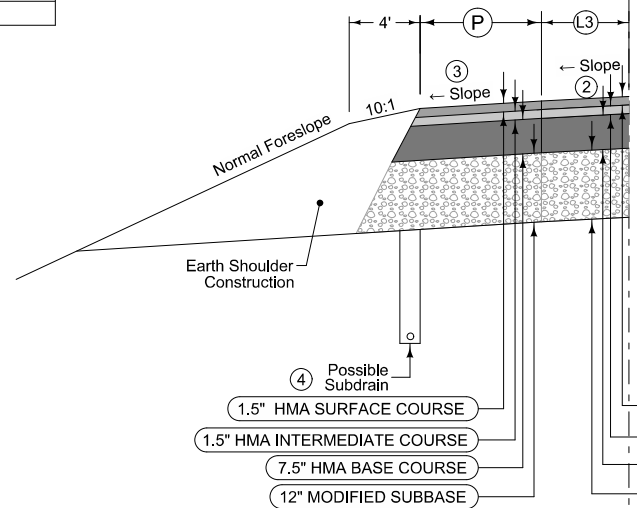
2_C MODIFIED					
STATION TO STATION	L3 Feet	P Feet	G Feet	Division	Remarks
282+63.91 - 289+40.59	34 - 12	4	2	1	
289+40.59 - 290+30.59	12 - 6	4	2	1	
290+30.59 - 290+60.79	6 - 4	4 - 6	2 - 0	1	

**Paved Shoulder Taper  
HSIPX-092-6(42)--3L-63**

2_C MODIFIED				
STATION TO STATION	L3 Feet	P Feet	Division	Remarks
290+60.79 - 291+20.59	4-0	6-10	1	

**Paved Shoulder  
HSIPX-092-6(42)--3L-63**

2_C MODIFIED			
STATION TO STATION	P Feet	Division	Remarks
291+20.59 - 293+35.49	10	1	

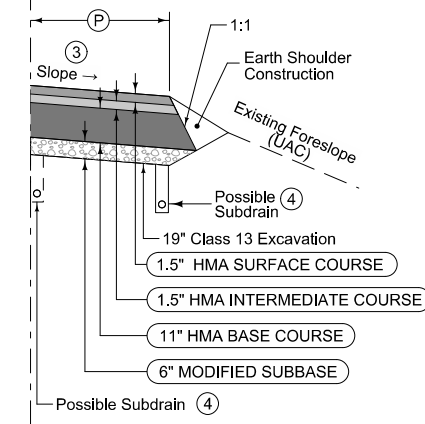


**NHSX-092-6(40)--3H-63**

3R_MillingOverlay_ Modified					
STATION TO STATION	C Feet	L1 Feet	R Feet	Division	Remarks
281+87.4 - 291+20.59	24	12	12	1	
291+20.59 - 298+35.49	24	12	12	1	

**HSIPX-092-6(42)--3L-63**

3R_MillingOverlay_ Modified			
STATION TO STATION	L2 Feet	Division	Remarks
281+87.4 - 291+20.59	14	1	
291+20.59 - 298+35.49	14-0	1	



**Paved Shoulder and Granular Fillet  
NHSX-092-6(40)--3H-63**

3R_Shldr_P_Milling_ Modified			
STATION TO STATION	P Feet	Division	Remarks
289+58.90 - 298+35.49	10	1	

**Shoulder Strengthening  
HSIPX-092-6(42)--3L-63**

3R_Shldr_P_Milling_ Modified				
STATION TO STATION	P Feet	Division	Remarks	
282+58.90 - 297+58.90	10	1	5	

General Notes:

1. Stationing on typical sections does not include gapping for paved sideroads or paved entrances. Refer to Details.
2. See Tab 100-25 for Pavement quantities.
3. See Tab 112-9 for Granular Shoulder quantities.

- ① Finished slope over Thru Lanes shall match existing pavement except the maximum allowable slope is 3.0% and the minimum allowable slope is 2.0%. Section may be modified as directed by the Engineer through areas of special shaping.
- ② Finished slope of Turning Lanes shall match existing except the minimum allowable slope is 3% and the maximum allowable slope is 4%. Section may be modified as directed by the Engineer through areas of special shaping.

- ③ Finished slope of Shoulder shall have a minimum allowable slope of 4% and a maximum allowable slope of 6%. Section may be modified as directed by the Engineer through areas of special shaping.
- ④ UAC existing subdrain unless noted on CS Sheets. All existing subdrain shall remain functional at all times (do not plug or crush). New subdrain shall be located at the outside edge of the paved shoulder and shall be in contact with the granular subbase. Pavement removal is not required for the installation of new subdrain. See Tab 104-9 and Detail RLS-3 on CS Sheets for proposed locations.
- ④ Rumble Strips shall not be placed on the Right Shoulder from STA. 282+58.90 to 297+58.90.

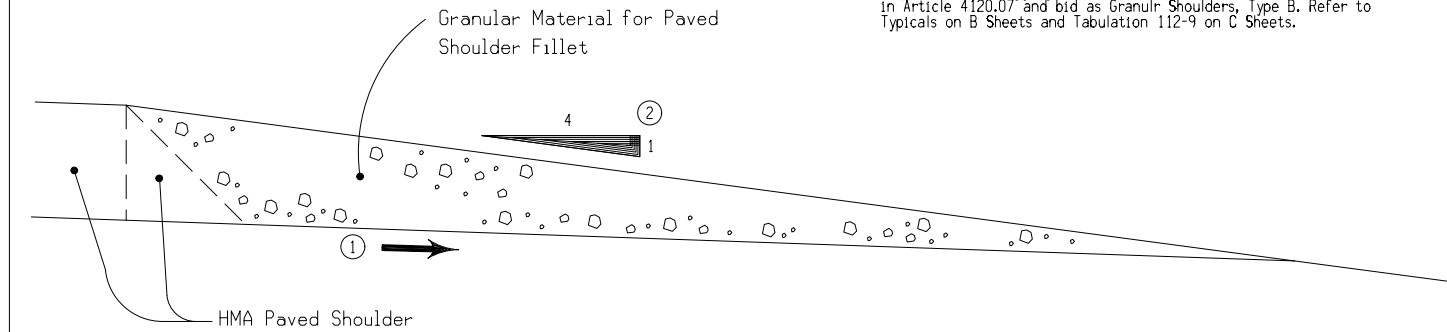
**IA 92 HMA RESURFACING WITH MILLING  
AND HMA TURNING LANES  
(East of Co Rd T17)**

7145-M  
Modified

Notes:

This typical illustrates the construction requirements for a Granular Material fillet at the edge of a paved shoulder.

The aggregate used for the Granular Fillet shall meet the requirements of Aggregate for Paved Shoulder Fillet, as specified in Article 4120.07 and bid as Granular Shoulders, Type B. Refer to Typical on B Sheets and Tabulation 112-9 on C Sheets.



- ① Match slope of under side of shoulder pavement.
- ② A foreslope of 4:1 or flatter shall be provided.

GRANULAR MATERIAL  
FOR PAVED  
SHOULDER FILLET

### SURVEY SYMBOLS

- |  |                                   |  |                              |
|--|-----------------------------------|--|------------------------------|
|  | Interstate Highway Symbol         |  | Septic Tank                  |
|  | U.S. Highway Symbol               |  | Cistern                      |
|  | Iowa Highway Symbol               |  | L.P. Gas Tank (No Footing)   |
|  | County Road Highway Symbol        |  | Underground Storage Tank     |
|  | Evergreen Tree                    |  | Latrine                      |
|  | Deciduous Tree                    |  | Satellite TV Dish            |
|  | Fruit Tree                        |  | Water Hook Up                |
|  | Shrub (Bushes)                    |  | Radio Tower                  |
|  | Timber                            |  | Tower Anchor                 |
|  | Hedge                             |  | Guardrail (Beam or Cable)    |
|  | Stump                             |  | Guard Post (one or two)      |
|  | Swamp                             |  | Guard Post (over two)        |
|  | Rock Outcrop                      |  | Filler Pipe                  |
|  | Broken Concrete                   |  | Gas Valve                    |
|  | Revetment (Rip Rap)               |  | Water Valve                  |
|  | Cemetery                          |  | Speed Limit Sign             |
|  | Grave                             |  | Mile Marker Post             |
|  | Cave                              |  | Sign                         |
|  | Sink Hole                         |  | Traffic Signal Control Box   |
|  | Board Fence                       |  | Rail Road Signal Control Box |
|  | Chain Link or Security Fence      |  | Telephone Switch Box         |
|  | Wire Fence                        |  | Electric Box                 |
|  | Terrace                           |  |                              |
|  | Earth Dam or Dike (Existing)      |  |                              |
|  | Tile Outlet                       |  |                              |
|  | Edge of Water                     |  |                              |
|  | Existing Drainage                 |  |                              |
|  | Right of Way Rail or Lot Corner   |  |                              |
|  | Concrete Monument                 |  |                              |
|  | Well                              |  |                              |
|  | Windmill                          |  |                              |
|  | Beehive Intake                    |  |                              |
|  | Existing Intake                   |  |                              |
|  | Existing Utility Access (Manhole) |  |                              |
|  | Fire Hydrant                      |  |                              |
|  | Water Hydrant (Rural)             |  |                              |

### UTILITY LEGEND

### PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK		Design Color No.	
Green	(2)		Existing Topographic Features and Labels
Blue	(1)		Proposed Alignment, Stationing, Tic Marks, and Alignment Annotation
Magenta	(5)		Existing Utilities
SHADING		Design Color No.	
Lavender	(9)		Temporary Pavement Shading
Yellow	(4)		Proposed Pavement Shading
Orange	(6)		Proposed Granular Shading
Orange	(70)		Proposed Shoulder Granular Shading
Yellow	(68)		Proposed Shoulder Paved Full Depth Shading
Yellow	(132)		Proposed Shoulder Paved Partial Depth Shading
Gray, Dark	(112)		Proposed Grade and Pave Shading "In conjunction with a paving project"
Brown, Light	(236)		Grading Shading
Orange, Light	(134)		Proposed Granular Entrance Shading
Yellow	(220)		Proposed Paved Entrance Shading
Tan	(8)		Proposed Sidewalk Shading
Blue, Light	(230)		Proposed Sidewalk Landing Shading
Pink	(11)		Proposed Sidewalk Ramp Shading
Green, Light	(225)		Existing Pavement Shading
Red	(3)		Proposed Structure Shading
Red	(3)		Delineates Restricted Areas

### PROFILE VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

LINEWORK		Design Color No.	
Green	(10)		Existing Ground Line Profile
Blue	(1)		Proposed Profile and Annotation
Magenta	(5)		Existing Utilities
Blue, Light	(230)		Proposed Ditch Grades, Left
Black	(0)		Proposed Ditch Grades, Median
Rust	(14)		Proposed Ditch Grades, Right

- |  |                             |  |                          |
|--|-----------------------------|--|--------------------------|
|  | Reference Point             |  | Survey Line              |
|  | Station                     |  |                          |
|  | Section Corner              |  |                          |
|  | Ground Line Intercept       |  |                          |
|  | Saw Cut                     |  |                          |
|  | Guardrail                   |  |                          |
|  | Trench Drain                |  |                          |
|  | HighTension Cable Guardrail |  |                          |
|  | Sheet Pile                  |  |                          |
|  | Pavement Removal            |  | Clearing & Grubbing Area |

- ### RIGHT-OF-WAY LEGEND
- Proposed Right-of-Way
  - Existing Right of Way
  - Existing and Proposed Right-of-Way
  - Easement and Existing Right-of-Way
  - Easement (Temporary)
  - Easement
  - Access Control
  - Property Line

## PLAN AND PROFILE LEGEND AND SYMBOL INFORMATION SHEET

(COVERS SHEET SERIES D, E, F, & K)



Property Owners  
 P-Gordon M. & Joan Arnott  
 Q-Kenneth L. Bean  
 R-Chester & Alice Brooks  
 AA-Cemetery

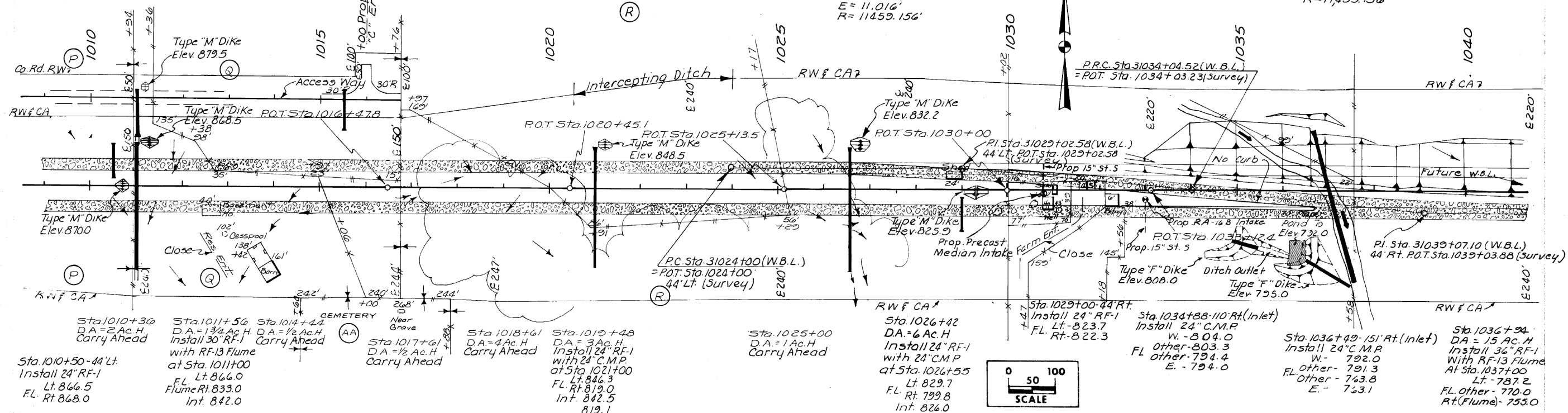
For Details of Access Way  
 See Sheets 19 & 20

KNOXVILLE TWP  
 T75N R10W  
 SEC. 16

W. B. Lane  
 $\Delta = 5^\circ 1' 21.28''$   
 $D = 0^\circ 30' 00''$   
 $T = 502.58'$   
 $L = 1004.516'$   
 $E = 11.016'$   
 $R = 11459.156'$

For Details of 4 Lane  
 To 2 Lanes  
 See Sheet No. 13

W. B. Lane  
 $\Delta = 5^\circ 1' 21.28''$   
 $D = 0^\circ 30' 00''$   
 $T = 502.58'$   
 $L = 1004.516'$   
 $E = 11.016'$   
 $R = 11459.156'$



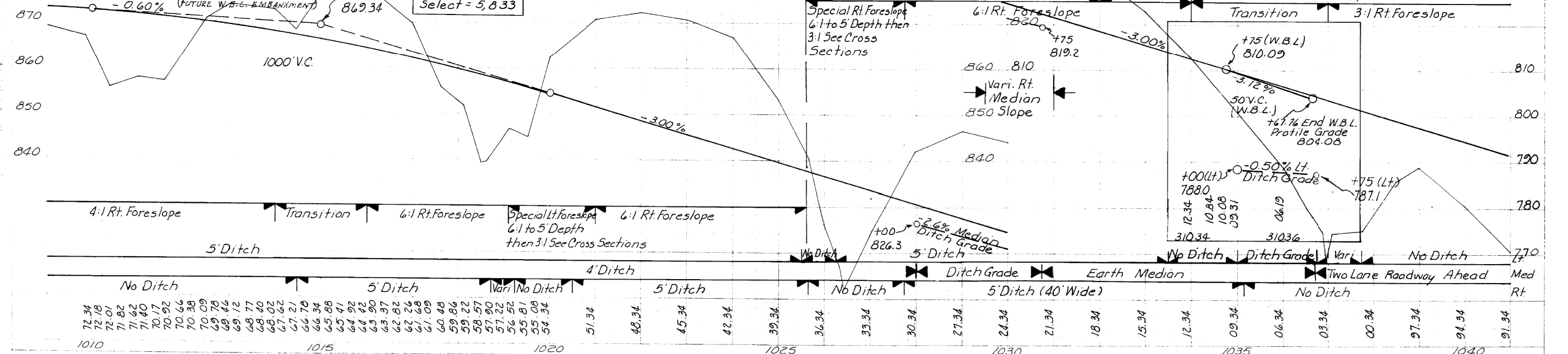
Sta. 1010+30 D.A. = 2 Ac.H. Carry Ahead	Sta. 1011+56 D.A. = 1 3/4 Ac.H. Install 30" R.F.-1 with R.F.-13 Flume at Sta. 1011+00 FL. Lt. 866.0 Flume Rt. 833.0 Int. 842.0	Sta. 1014+44 D.A. = 1/2 Ac.H. Carry Ahead	Sta. 1017+61 D.A. = 1/2 Ac.H. Carry Ahead	Sta. 1018+61 D.A. = 4 Ac.H. Carry Ahead	Sta. 1019+48 D.A. = 3 Ac.H. Install 24" R.F.-1 with 24" C.M.P. at Sta. 1021+00 FL. Lt. 846.3 Rt. 819.0 Int. 842.5 819.1	Sta. 1025+00 D.A. = 1 Ac.H. Carry Ahead	Sta. 1026+42 D.A. = 6 Ac.H. Install 24" R.F.-1 with 24" C.M.P. at Sta. 1026+55 Lt. 829.7 Rt. 799.8 Int. 826.0 800.0	Sta. 1029+00-44 Rt. Install 24" R.F.-1 Lt. 823.7 Rt. 822.3	Sta. 1034+88-110 Rt. (Inlet) Install 24" C.M.P. W. - 804.0 Other - 803.3 FL. Other - 794.4 E. - 794.0	Sta. 1036+49-151 Rt. (Inlet) Install 24" C.M.P. W. - 792.0 FL. Other - 791.3 Other - 763.8 E. - 763.1	Sta. 1036+94 D.A. = 15 Ac.H. Install 36" R.F.-1 with R.F.-13 Flume At Sta. 1037+00 Lt. - 787.2 FL. Other - 770.0 Rt. (Flume) - 755.0
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Waste = 26,273 Cu.Yds  
 PLACE IN FUTURE W.B.L. EMBANKMENT  
 Lt. of Sta. 1038+50±  
 (FUTURE W.B.L. EMBANKMENT)

Select = 5,833

C Sand Stone From M.L. Sta. 1022± = 74,738  
 Shale From M.L. Sta. 1024± = 1,184  
 Total = 75,922

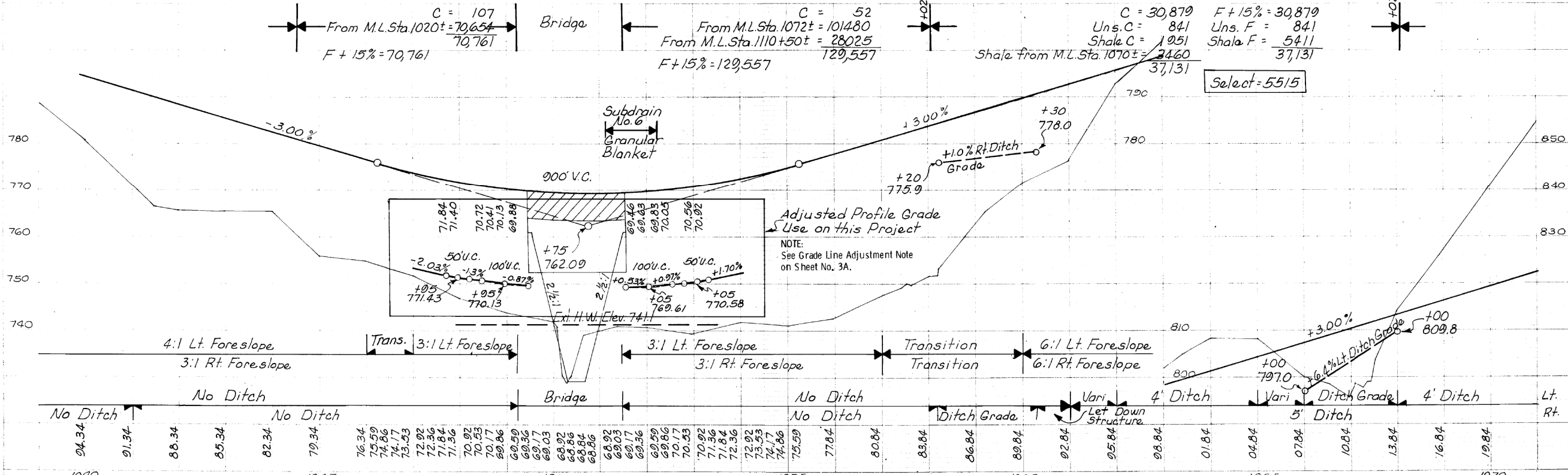
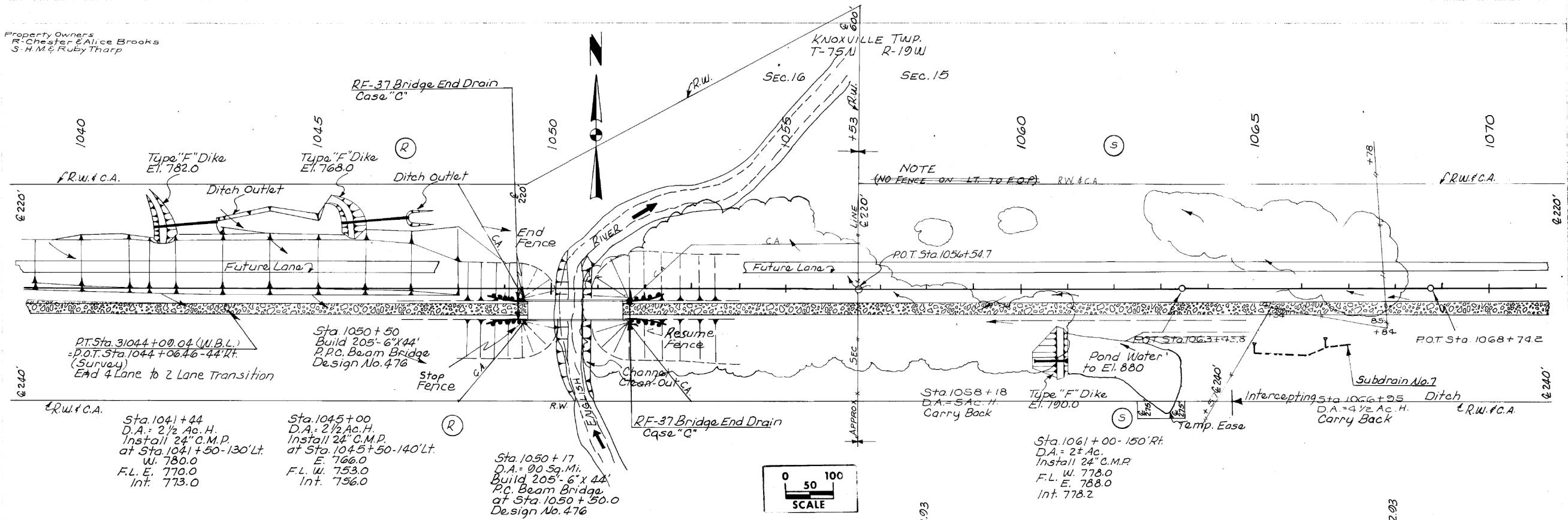
F + 15% = 74,738  
 Sandstone F = 46,336  
 Shale F = 1,184  
 Total = 47,522



1010	1015	1020	1025	1030	1035	1040
72.34	72.01	71.82	71.62	71.40	70.92	70.66
70.38	70.09	69.78	69.46	69.12	68.77	68.40
68.02	67.62	67.21	66.78	66.34	65.88	65.41
64.92	64.42	63.90	63.37	62.82	62.26	61.69
61.09	60.48	59.86	59.22	58.57	57.90	57.22
56.52	55.81	55.08	54.34	51.34	48.34	45.34
42.34	39.34	36.34	33.34	30.34	27.34	24.34
21.34	18.34	15.34	12.34	09.34	06.34	03.34
00.34	97.34	94.34	91.34			

This Sheet  
 For Information Only

Property Owners  
R. Chester & Alice Brooks  
S. H. M. & Ruby Sharp



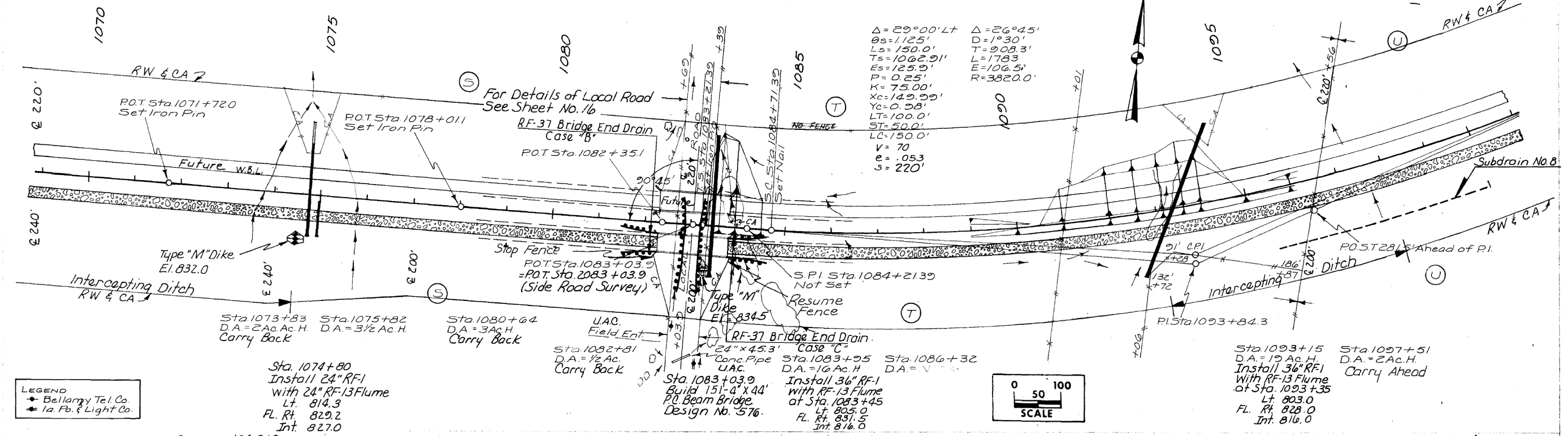
Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation
1040	94.34	1045	79.34	1050	70.53	1055	75.59	1060	80.84	1065	80.84
1041	91.34	1046	76.34	1051	69.03	1056	77.84	1061	83.84	1066	81.84
1042	88.34	1047	74.86	1052	68.92	1057	80.84	1062	86.84	1067	84.84
1043	85.34	1048	74.17	1053	68.86	1058	83.84	1063	89.84	1068	87.84
1044	82.34	1049	73.53	1054	68.84	1059	86.84	1064	92.84	1069	89.84
1045	79.34	1050	72.92	1055	68.84	1060	95.84	1065	98.84	1070	91.84
1046	76.34	1051	72.36	1056	68.92	1061	101.84	1066	105.84		
1047	74.86	1052	71.84	1057	69.03	1062	108.84	1067	113.84		
1048	74.17	1053	71.36	1058	69.17	1063	116.84	1068	119.84		
1049	73.53	1054	70.92	1059	69.36	1064	125.84	1069	125.84		
1050	72.92	1055	70.53	1060	69.59	1065	135.84	1070	131.84		
1051	72.36	1056	70.17	1061	69.86	1066	146.84				
1052	71.84	1057	69.86	1062	70.17	1067	158.84				
1053	71.36	1058	69.92	1063	70.53	1068	171.84				
1054	70.92	1059	69.92	1064	70.92	1069	186.84				
1055	70.53	1060	69.92	1065	71.36	1070	203.84				
1056	70.17	1061	69.92	1066	71.84						
1057	69.86	1062	69.92	1067	72.36						
1058	69.36	1063	69.92	1068	72.92						
1059	69.03	1064	69.92	1069	73.53						
1060	68.92	1065	69.92	1070	74.17						
1061	68.86	1066	69.92								
1062	68.84	1067	69.92								
1063	68.84	1068	69.92								
1064	68.84	1069	69.92								
1065	68.84	1070	69.92								

STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	PROJECT NUMBER	STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
IOWA	5				T&F-592-2(7)-29-63	IOWA	5		9	31

This Sheet For Information Only

Property Owners  
 S. H.M. & Ruby Thorp  
 T. E.W. Crozier  
 U. Glen & Marie Bullion

KNOXVILLE TWP.  
 T75N R10W  
 SEC. 15

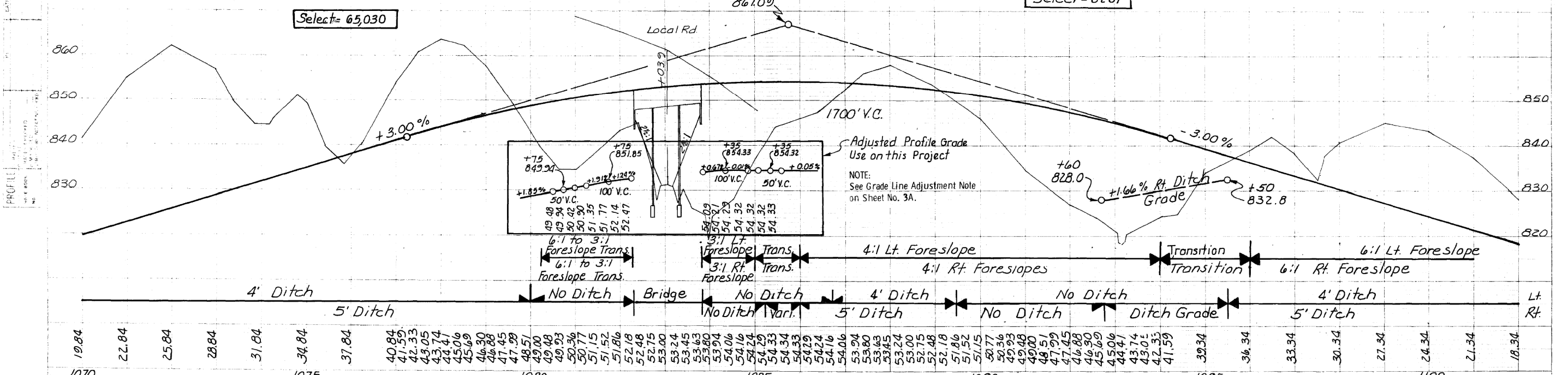


LEGEND  
 • Bellamy Tel. Co.  
 • Ia. Pb. & Light Co.

C = 104,310  
 Uns. C = 2,761  
 Shale = 3,460  
 110,531

F + 15% = 2,830  
 Uns. F = 2,761  
 To M.L. Sta. 1055 ± = 101,480  
 Shale to M.L. Sta. 1061 ± = 3,460  
 110,531

C = 62,396  
 F + 15% = 62,396



MARION CO.											PROJECT NUMBER				TOTAL SHEETS				SHEET NO.			
STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	PROJECT NUMBER				TOTAL SHEETS				STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS						
IOWA	S			TQF-592-2(7) -- 29-63								IOWA	S		10	31						

This Sheet For Information Only

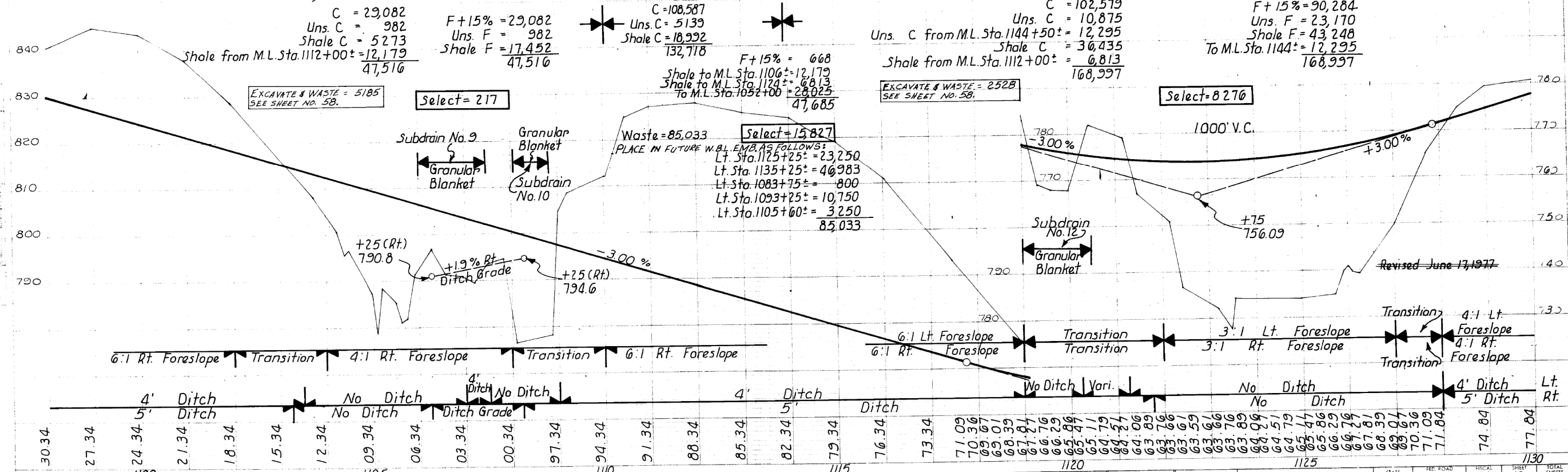
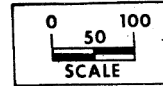
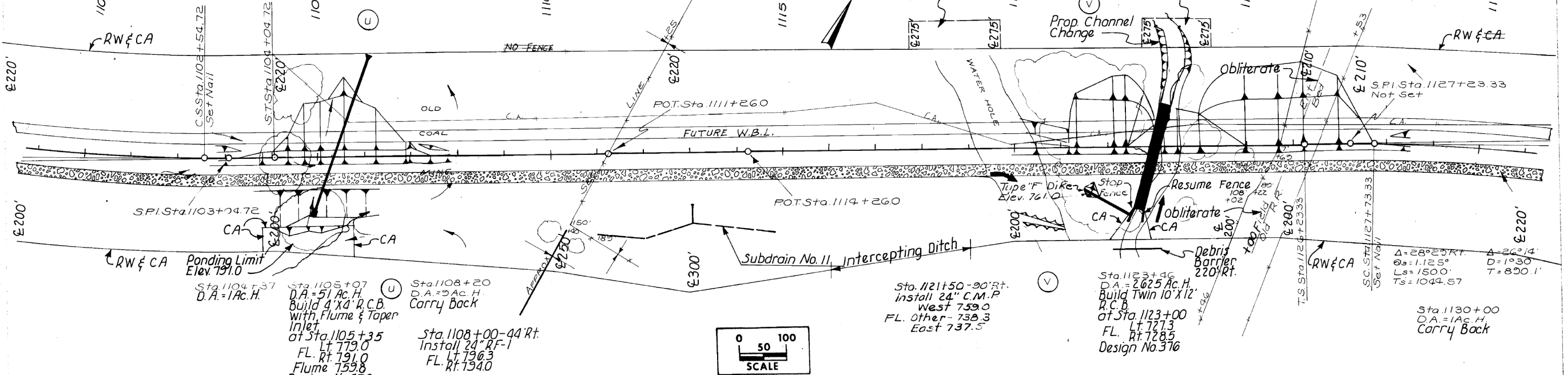
Property Owners  
 U. Glen & Marie Gullion  
 V. J. Francis Chrisman

KNOXVILLE TWP  
 T75N R10W

There are 450 Cu. Yds. Channel  
 Change Excavation to be used  
 in Mainline Embankment.

$\Delta = 29^{\circ}00' Lt.$   
 $\theta_s = 1125'$   
 $L_s = 150.0'$   
 $T_s = 1062.91'$

$\Delta = 26^{\circ}45'$   
 $D = 1^{\circ}30'$   
 $T = 308.3'$



$C = 29,082$ $Uns. C = 982$ $Shale C = 5273$ $Shale from M.L. Sta. 1112+00 = 12,179$ $47,516$	$F + 15\% = 29,082$ $Uns. F = 982$ $Shale F = 17,452$ $47,516$	$C = 108,587$ $Uns. C = 5139$ $Shale C = 18,922$ $132,718$	$F + 15\% = 668$ $Shale to M.L. Sta. 1106+25 = 12,179$ $Shale to M.L. Sta. 1124+25 = 6813$ $To M.L. Sta. 1052+00 = 28,025$ $47,685$	$C = 102,579$ $Uns. C = 10,875$ $Shale C = 36,435$ $Shale from M.L. Sta. 1112+00 = 6,813$ $168,997$	$F + 15\% = 90,284$ $Uns. F = 23,170$ $Shale F = 43,248$ $To M.L. Sta. 1144+25 = 12,295$ $168,997$
---	---	---	---	---	--

EXCAVATE & WASTE = 5185  
 SEE SHEET NO. 58.

Select = 217

Waste = 85,033  
 PLACE IN FUTURE W.B.L. EMB. AS FOLLOWS:  
 Lt. Sta. 1125+25 = 23,250  
 Lt. Sta. 1135+25 = 46,983  
 Lt. Sta. 1083+75 = 800  
 Lt. Sta. 1093+25 = 10,750  
 Lt. Sta. 1105+60 = 3,250  
 85,033

Select = 15,827

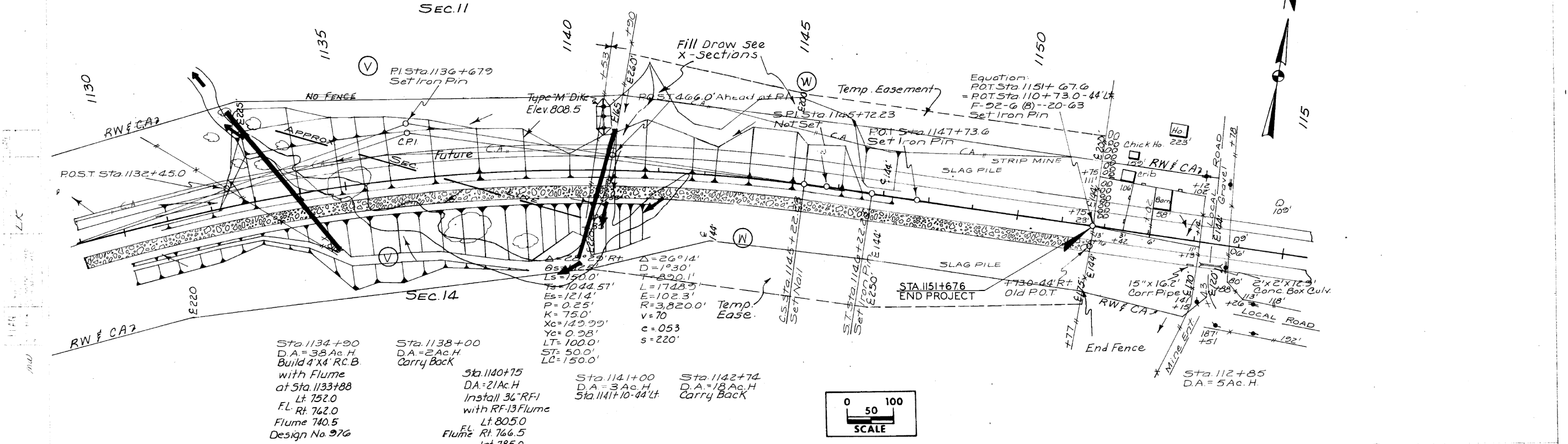
Select = 8,276

30.34	27.34	24.34	21.34	18.34	15.34	12.34	09.34	06.34	03.34	00.34	97.34	94.34	91.34	88.34	85.34	82.34	79.34	76.34	73.34	71.09	70.36	69.67	69.01	68.39	67.81	67.29	66.86	66.47	66.11	65.79	65.47	65.17	64.79	64.21	64.06	63.76	63.59	63.55	63.66	63.76	63.89	64.04	64.21	64.51	64.79	65.11	65.46	65.86	66.29	66.76	67.27	67.81	68.39	68.97	69.56	70.36	71.09	71.84	74.84	77.84																							
											1100												1105												1110												1115												1120												1125												1130

This Sheet  
 For Information Only

Property Owners  
V-J Francis Christman  
W-William & Hazel Ostrum

KNOXVILLE TWP  
T75N R19W  
SEC. 11



Sta. 1134+90  
D.A. = 38 Ac.H.  
Build 4'x4' R.C.B.  
with Flume  
at Sta. 1133+88  
Lt. 752.0  
Fl. Rt. 762.0  
Flume 740.5  
Design No. 976

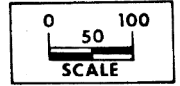
Sta. 1138+00  
D.A. = 2 Ac.H.  
Carry Back

Sta. 1140+75  
D.A. = 21 Ac.H.  
Install 36" R.F.I.  
with R.F. 13 Flume  
Lt. 805.0  
Flume Rt. 766.5  
Int. 785.0

Sta. 1141+00  
D.A. = 3 Ac.H.  
Sta. 1141+10-44' Lt

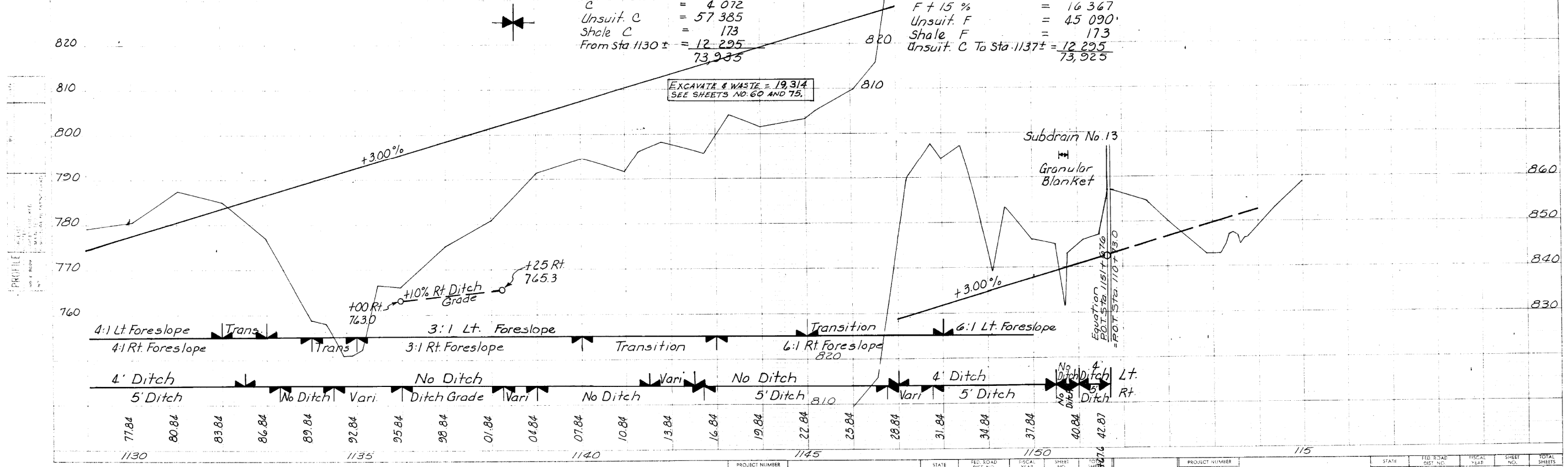
Sta. 1142+74  
D.A. = 18 Ac.H.  
Carry Back

Curve Data:  
 $\Delta = 26^\circ 14'$   
 $D = 1^\circ 30'$   
 $L = 174.83'$   
 $E = 102.3'$   
 $R = 3,820.0'$   
 $v = 70$   
 $c = 0.53$   
 $s = 220'$



C	=	4.072	F + 15%	=	16.367
Unsuit. C	=	57.385	Unsuit. F	=	45.090
Shale C	=	173	Shale F	=	173
From Sta. 1130 ±	=	12.295	Unsuit. C To Sta. 1137 ±	=	12.295
		73.935			73.925

EXCAVATE & WASTE = 19,314  
SEE SHEETS NO. 60 AND 75.



This Sheet  
For Information Only

Property Owners  
A- Wm. & Hazel Oastrum (Fee) H.H. & Gladys N. Meriweather (C.P.)  
B- Wm. & Hazel Oastrum

For R.O.W. info see grading plans.

- STAGE 1: By Grading Contractor  
Grade and Pave Ia. 92 Detour
- STAGE 2: By Grading Contractor  
Grade Mainline, Ia. 92 and Side Roads  
not interfering with Detour Traffic.
- STAGE 3: By Paving Contractor  
Pave Ia. 92 and remove 92 Detour  
Complete Grading on Mainline and  
Side Roads and Complete paving.

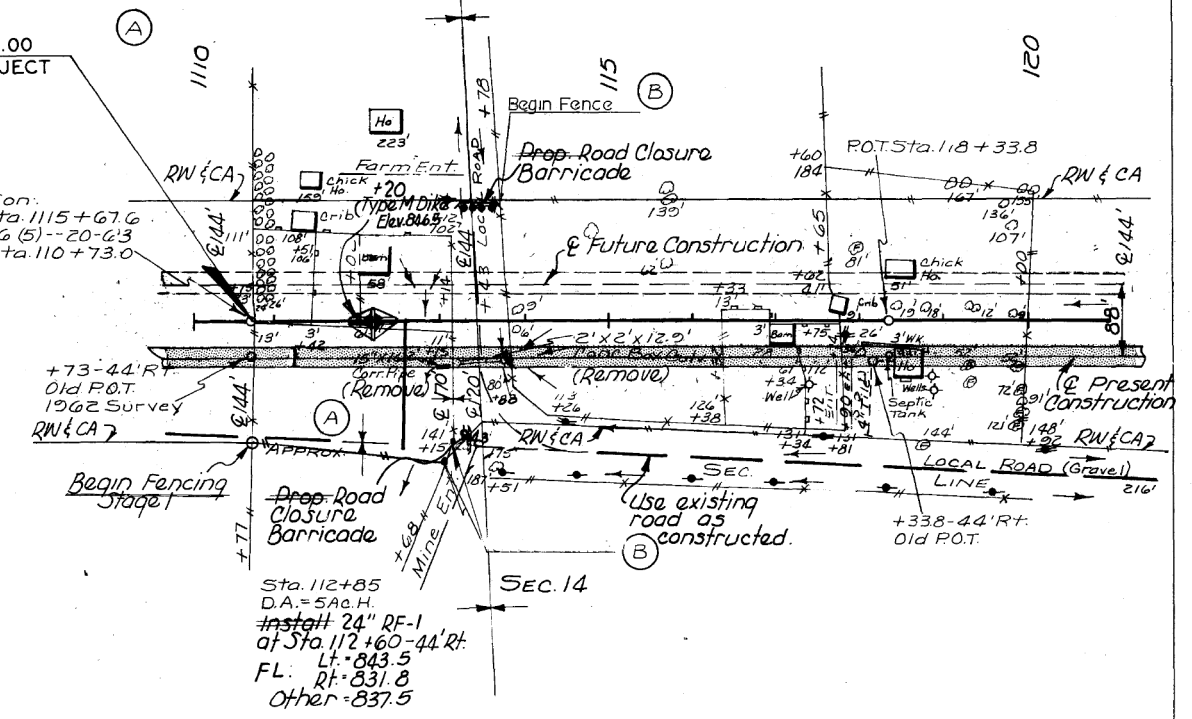


KNOXVILLE TWP  
T75N R19W  
SEC. 11

Sta. 113+43 ± 48.75' Rt.  
24" Ø x 33.5' Conc. Pipe  
4' x 2' x 12.9' R.C.B.  
D.A. = Remove

STA. 110 + 73.00  
BEGIN PROJECT  
(PAVING)

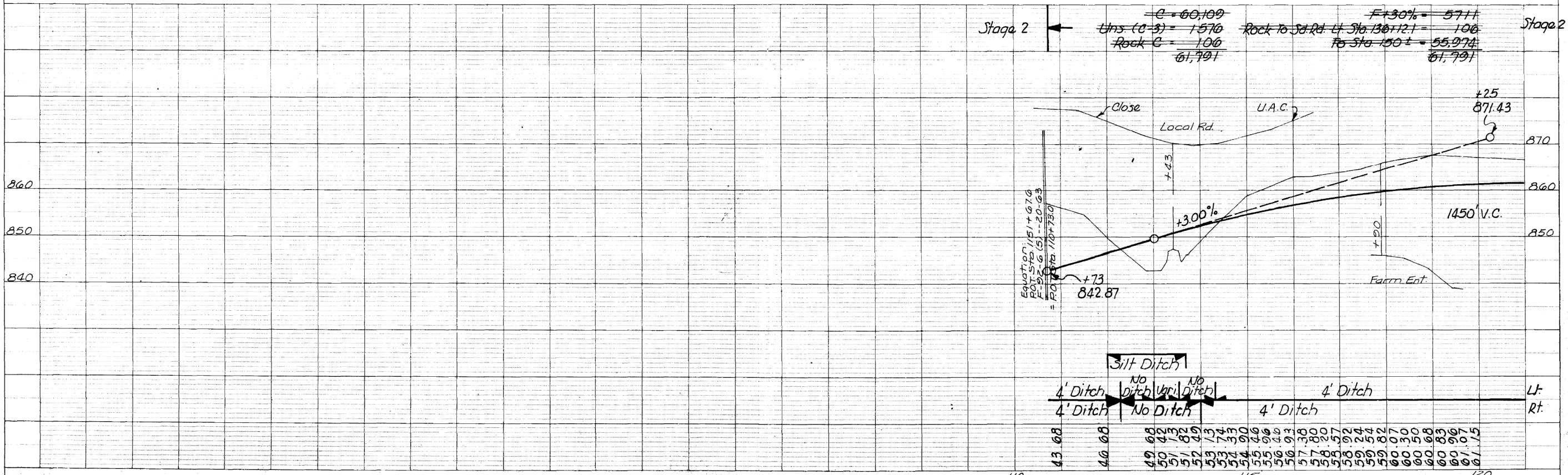
Equation:  
P.O.T. Sta. 115 + 67.6  
F-92-G(5)-20-63  
= P.O.T. Sta. 110 + 73.0



DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

LEGEND  
♦ Bellamy Tel. Co.  
◆ Iowa Po. & Light Co.

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	



MARION CO.	PROJECT NUMBER	STATE IOWA	FED. ROAD DIST. NO. 5	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	PROJECT NUMBER	STATE IOWA	FED. ROAD DIST. NO. 5	FISCAL YEAR	SHEET NO. 4	TOTAL SHEETS 64
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For Information Only

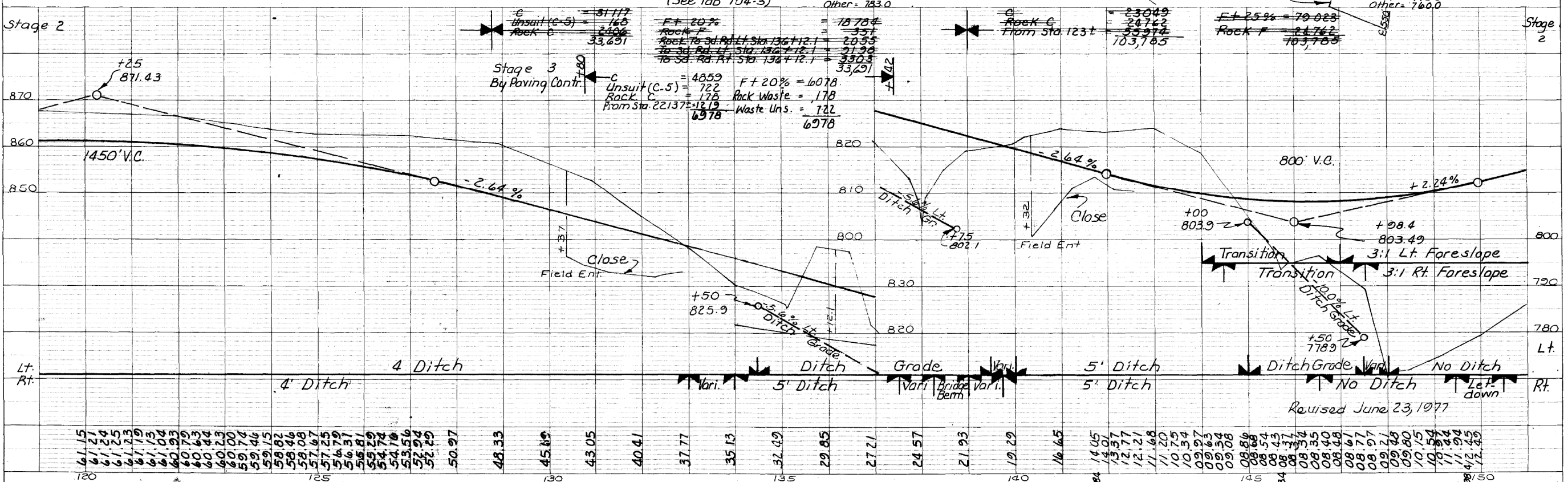
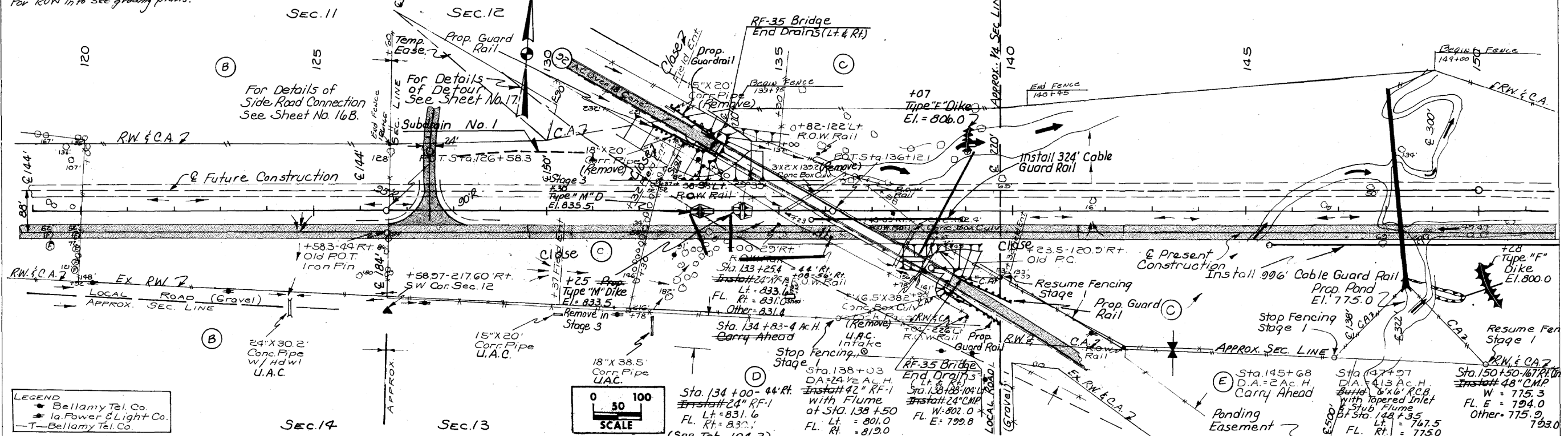
Property Owners  
 B. William & Hazel Oastrum  
 C. Edward J. Banks  
 E.C.E. & Daisy Shawvet  
 For ROW info see grading plans.

KNOXVILLE TWP  
 T75N R15W

For Side Road Details  
 See Sheet No. 12

DATE	BY	REVISION

DATE	BY	REVISION



120	125	130	135	140	145	150
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PROJECT NUMBER	STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	PROJECT NUMBER	STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	IOWA	5				F - 592-2(11)-20-63	IOWA	5		5	64

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 For Information Only

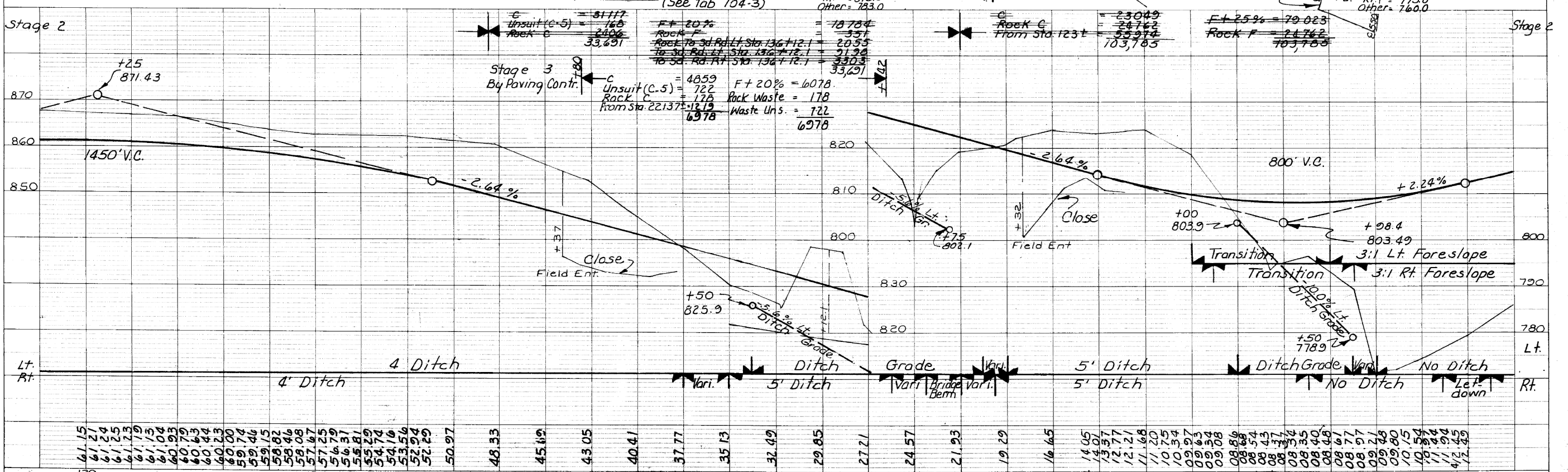
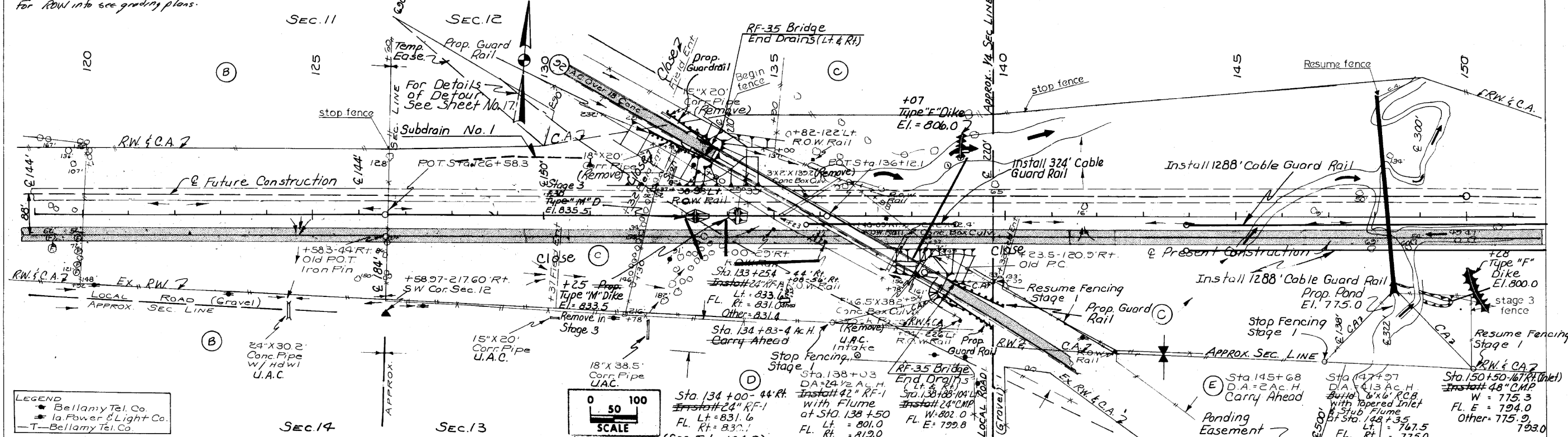
Property Owners  
 B. William & Hazel Ostrum  
 C. Edward J. Banks  
 E.C.E. & Daisy Shawvet  
 For ROW info see grading plans.

KNOXVILLE TWP  
 T75N R19W

For Side Road Details  
 See Sheet No. 12

DATE	
BY	
PROJECT NO.	
ALIGNED CHECKED	
NOTE BOOK	
NO.	

DATE	
BY	
PROJECT NO.	
GRADES CHECKED	
NOTE BOOK	
NO.	



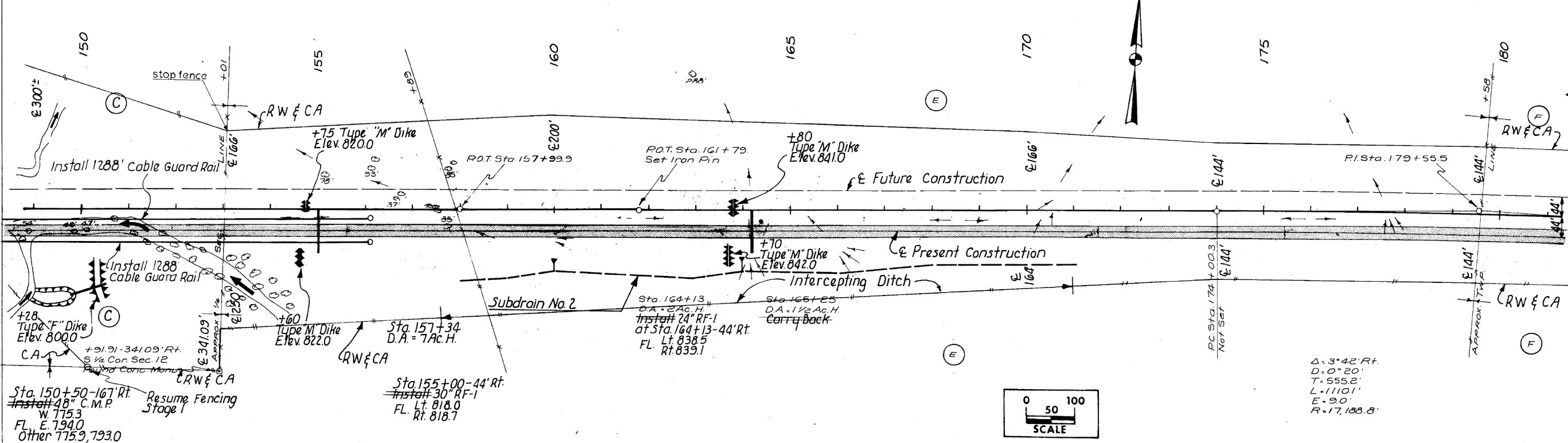
120	125	130	135	140	145	150
61.15	61.21	61.24	61.25	61.25	61.13	61.04
60.93	60.79	60.63	60.44	60.23	59.74	59.46
59.15	58.82	58.46	58.08	57.67	57.25	56.81
56.31	55.81	55.29	54.74	54.16	53.54	52.94
52.29	50.97	48.33	45.69	43.05	40.41	37.77
35.13	32.49	29.85	27.21	24.57	21.93	19.29
16.65	14.05	13.57	12.77	12.21	11.68	11.20
10.75	10.34	09.97	09.63	09.34	09.08	08.86
08.54	08.43	08.34	08.35	08.40	08.46	08.51
08.57	08.61	08.67	08.71	08.77	08.81	08.84
08.88	08.91	08.94	08.96	08.97	08.98	08.98
08.98	08.98	08.98	08.98	08.98	08.98	08.98

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 For Information Only

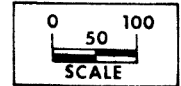


Property Owners:  
 C. Edward J. Banks, et al.  
 E. C. E. & Darcy Shawver  
 F. G. E. Horsin  
 For ROW info see grading plans.

KNOXVILLE TWP T75N R19W SEC. 12  
 CLAY TWP T75N R18W SEC. 7



Δ = 3°42' Rt.  
 D = 0°20'  
 T = 555.2'  
 L = 11101'  
 E = 90°  
 R = 17,188.8'

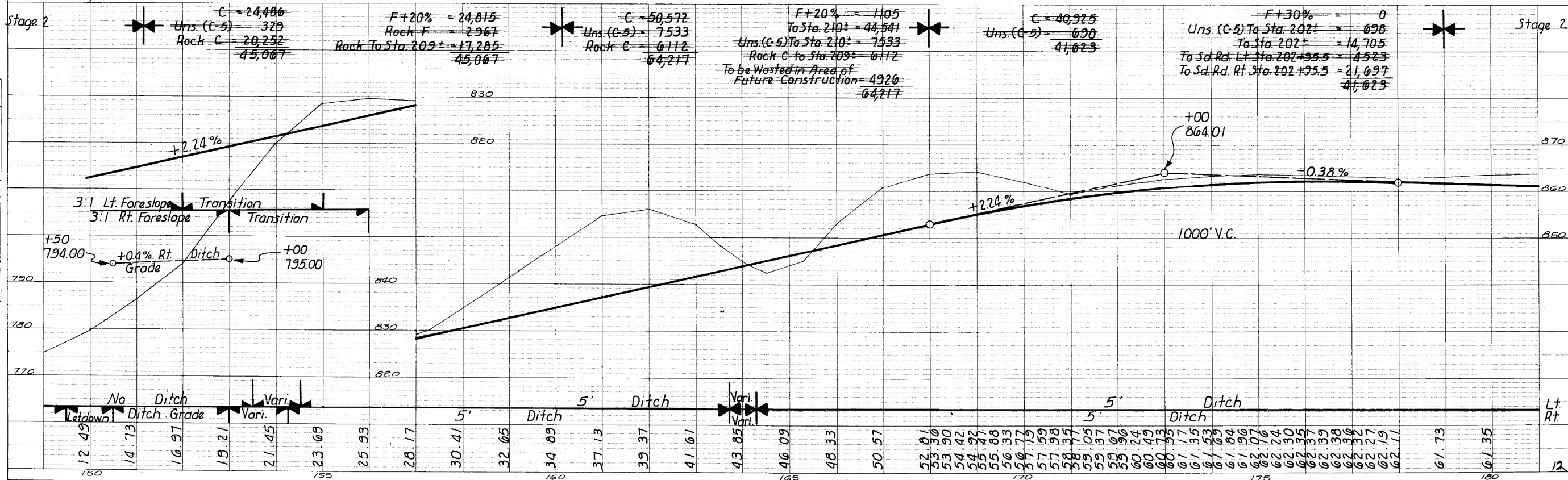


DATE: \_\_\_\_\_ BY: \_\_\_\_\_

PLAN SURVEYED: \_\_\_\_\_  
 GRADINGS CHECKED: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_

PROFILE SURVEYED: \_\_\_\_\_  
 GRADINGS CHECKED: \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_



This Sheet For Information Only

KNOXVILLE TWP  
T75N R10W  
SEC. 12

CLAY TWP  
T75N R18W  
SEC. 7

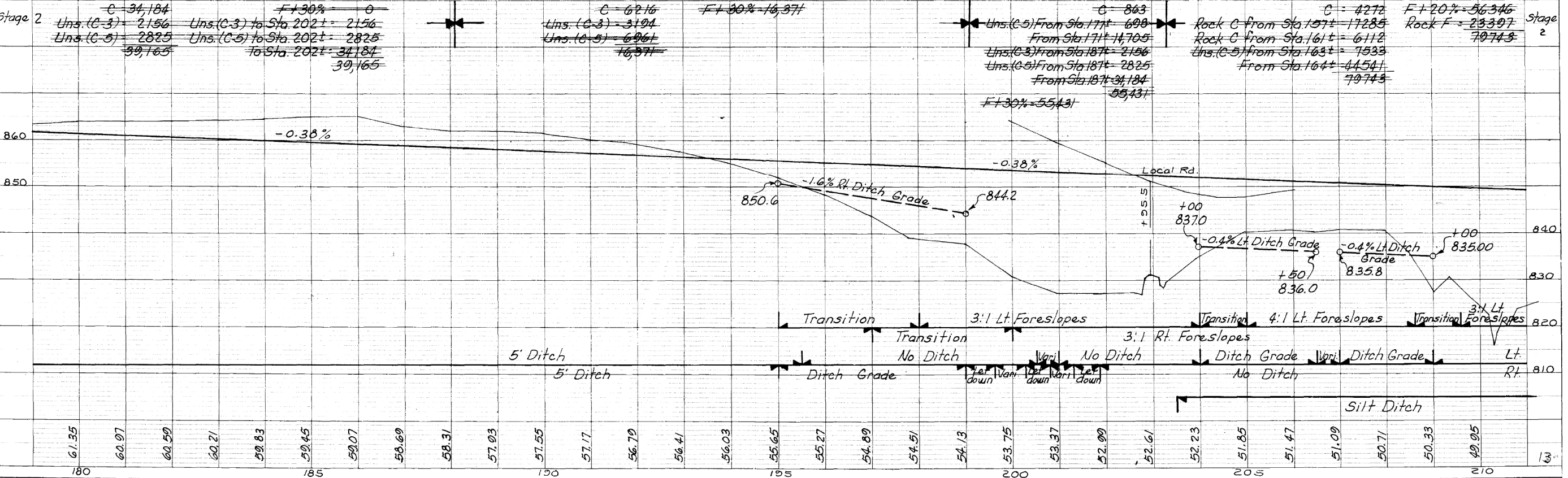
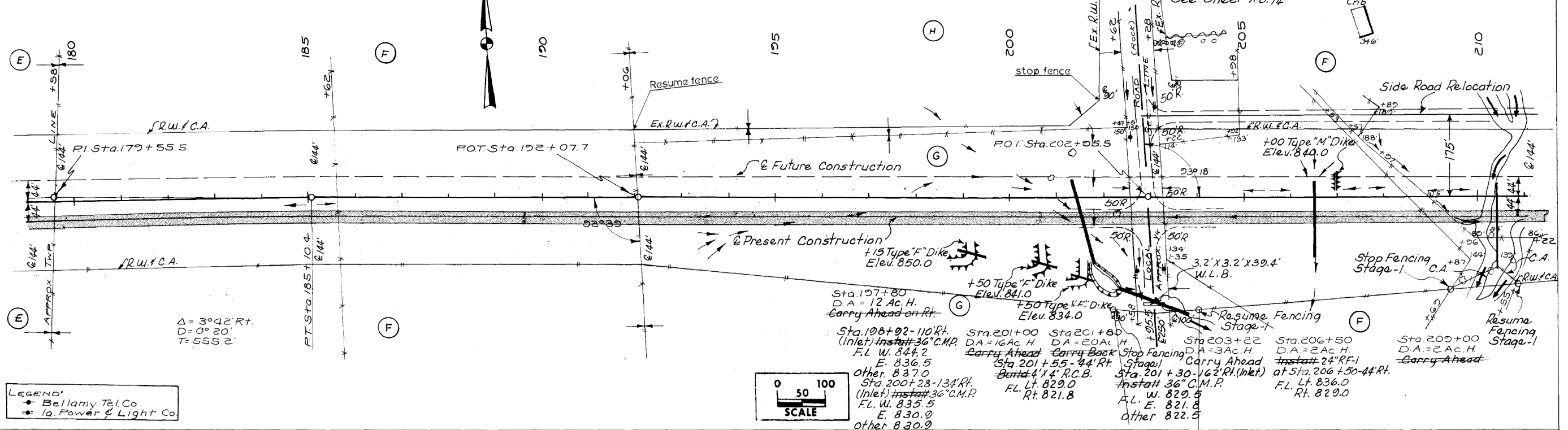
Property Owners  
E.C.E. & Daisy Shawver  
F.G.E. Harsin  
G. Wallace L. & Freeda L. West  
H. Faye Lucille Woody  
For ROW info see grading plans.

Future Separation  
Mainline Over Side Road

For Details of Side Road,  
See Sheet No. 14

For Details of Side Road  
Relocation, See Sheet No. 15

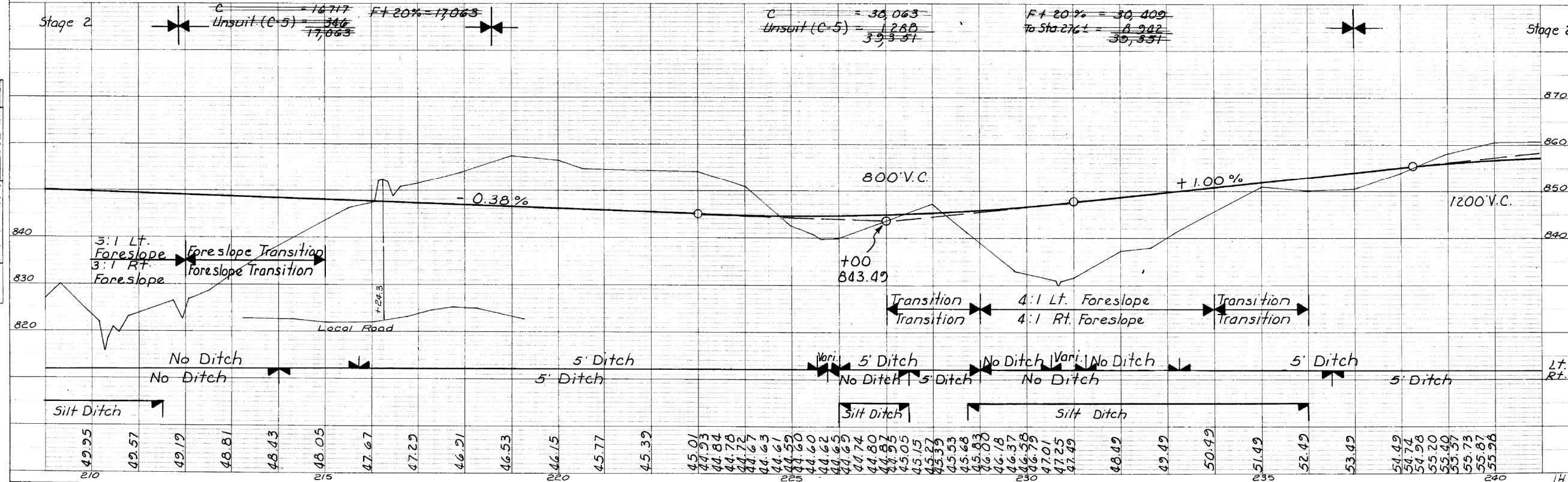
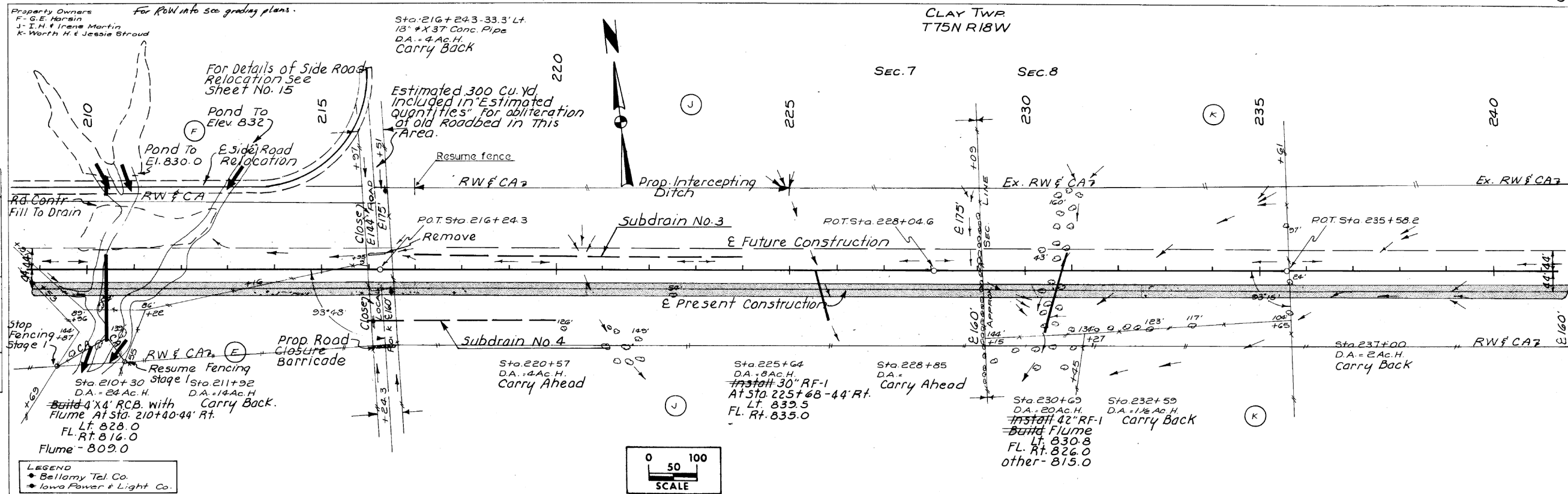
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
DESCRIPTION	



DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
DESCRIPTION	

MARION CO	PROJECT NUMBER	STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	PROJECT NUMBER	STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
		IOWA	5				F-502-2(11)-20-63	IOWA	5		7	64

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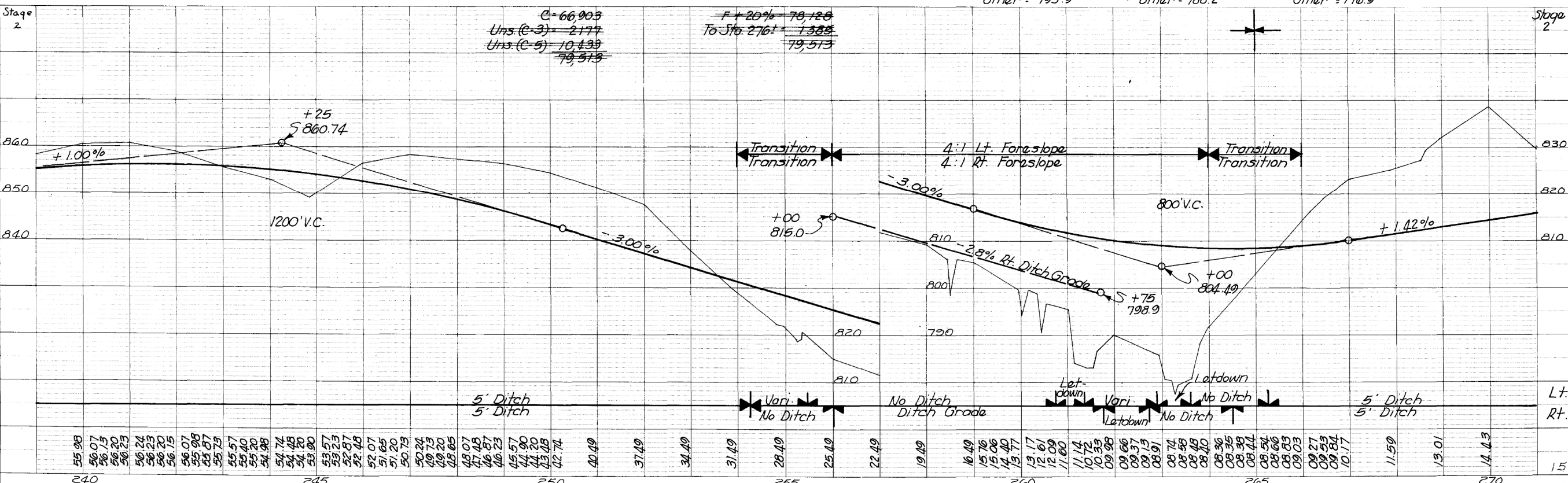
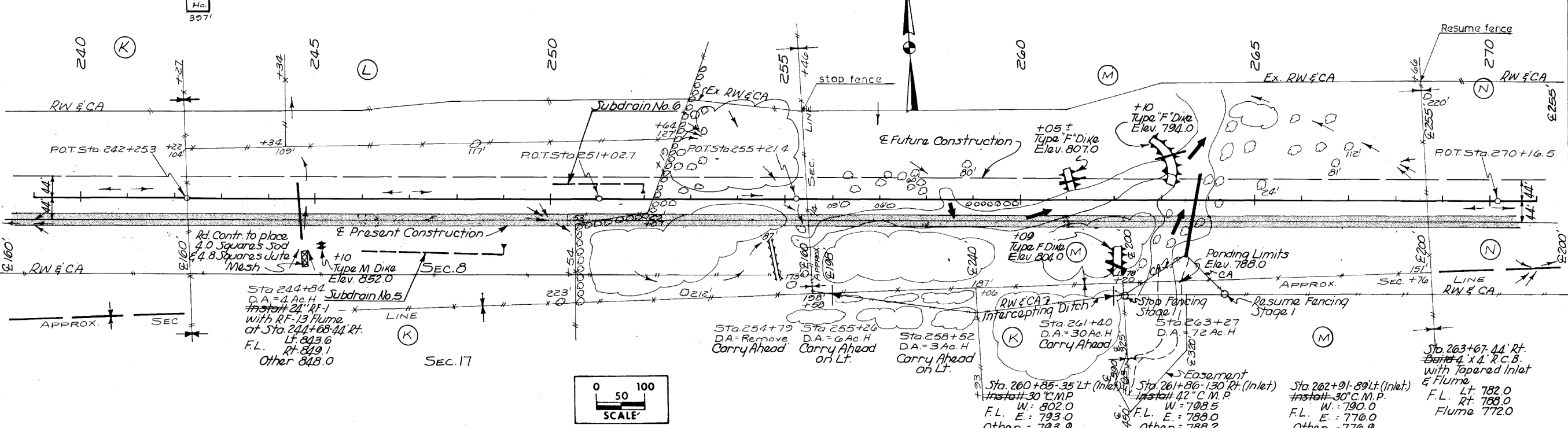
MARION CO.	PROJECT NUMBER	STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	PROJECT NUMBER	STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
		IOWA	5				F-592-2(11)--20-63	IOWA	5		8	64

This Sheet  
For Information Only

Property Owners  
 K-Worth H. & Jassie Stroud  
 L-Richard Stroud  
 M-Dorothy F. Laynachon  
 N-Evarett C. Harrington  
 For ROW info see grading plans

CLAY TWP  
 T75N R18W

DATE	BY
SURVEYED ALLOTTMENT CHECKED BY OF WAY CHECKED	
PLANNED STRUCTURE NOTATION CPWD	
NOTE BOOK NO.	



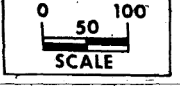
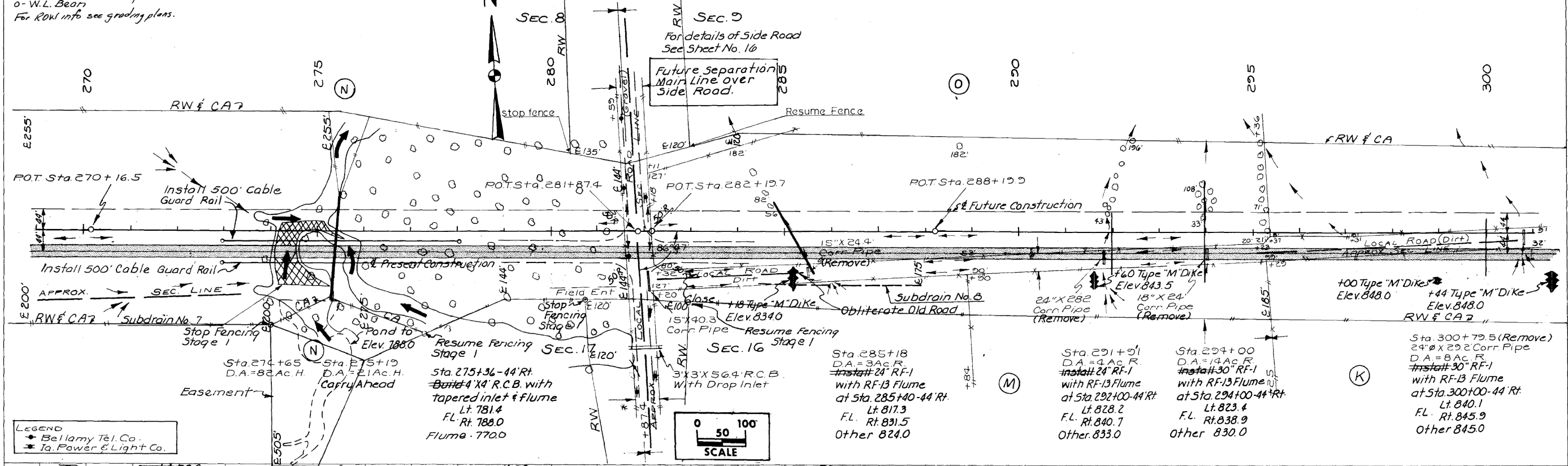
DATE	BY
SURVEYED ALLOTTMENT CHECKED BY OF WAY CHECKED	
PLANNED STRUCTURE NOTATION CPWD	
NOTE BOOK NO.	

MARION CO.	PROJECT NUMBER	STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	PROJECT NUMBER	STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
		IOWA	5				F-502-2(11)-20-03	IOWA	5		9	64

This Sheet  
 For Information Only

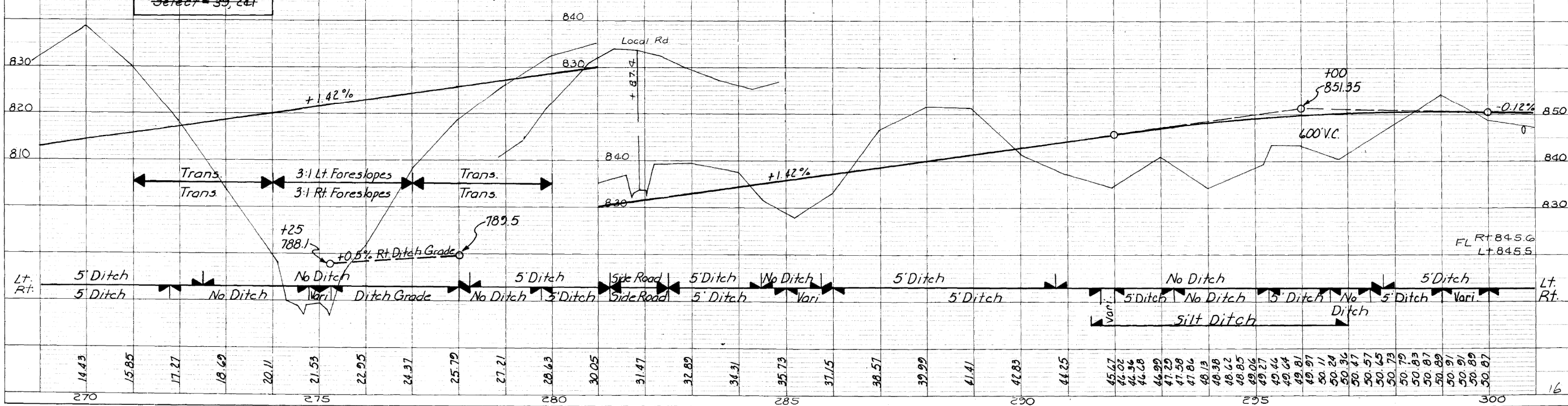
Property Owners  
K. Worth H. & Jessie Stroud  
M. Dorothy F. Lounachan  
N. Everette P. Harrington  
O. W.L. Bear  
For ROW info see grading plans.

CLAY TWP  
T75N R18W



Stage 2

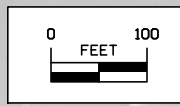
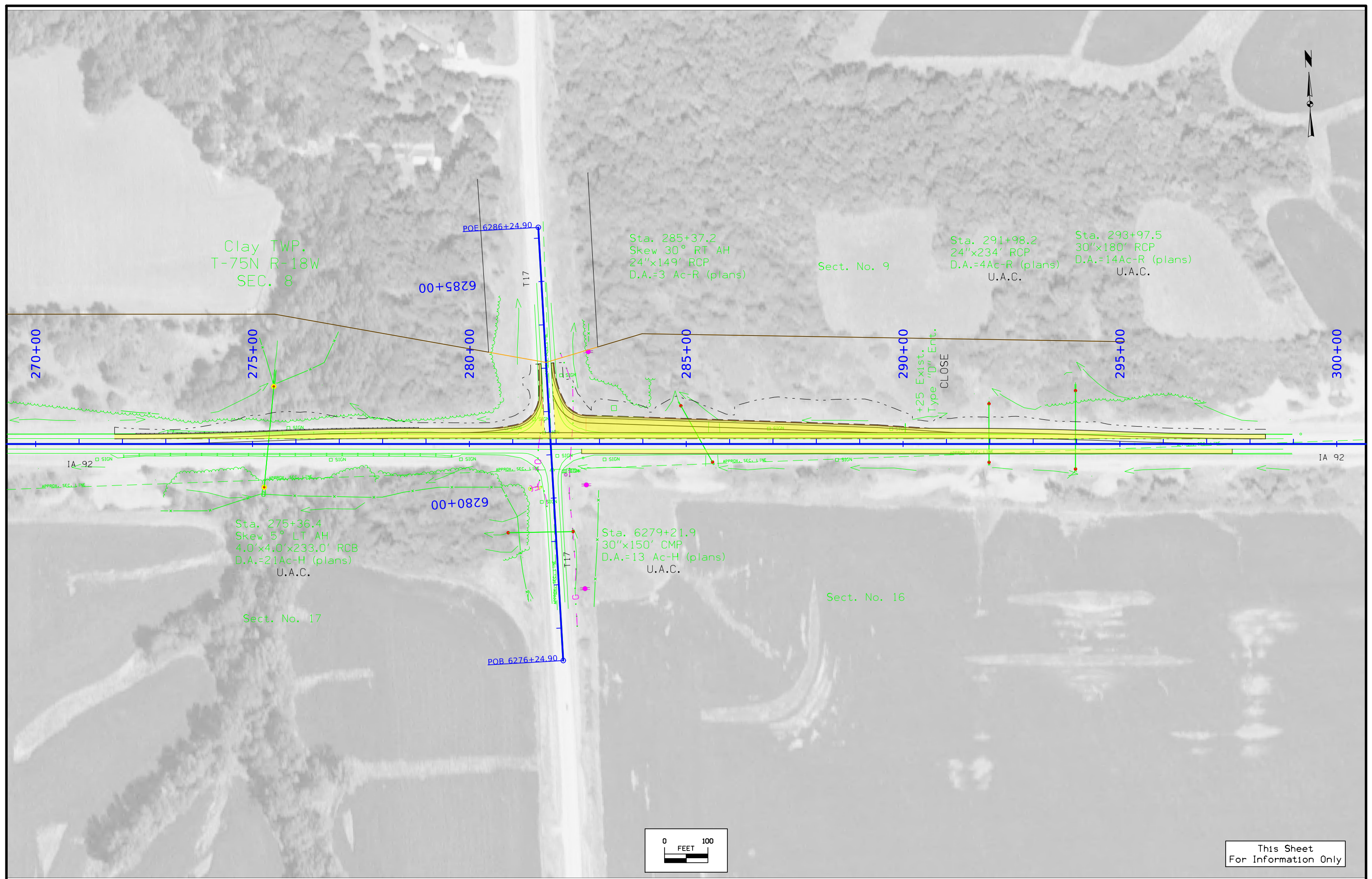
Unsuit (C-3) = 14,730	F+15% = 43,454	Unsuit (C-3) = 7428	F+20% = 50,860	Unsuit (C-3) = 36,351	F+20% = 1779	Unsuit (C-3) = 18,601	F+20% = 18,794
From Sta. 270+00 = 164		From Sta. 307+00 = 467		From Sta. 281+87.4 = 1085		From Sta. 291+00 = 103	
From Sta. 270+00 = 43,454		From Sta. 270+00 = 31,549		To 5d. Rd. Lt. Sta. 281+87.4 = 34,016		To 5d. Rd. Rt. Sta. 281+87.4 = 37,436	
		From Sta. 270+00 = 1,505					
		From Sta. 270+00 = 50,860					



MARION CO.

PROJECT NUMBER	STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS	PROJECT NUMBER	STATE	FED. ROAD DIST. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	IOWA	5				F-592-2(1)-20-63	IOWA	5		10	64

This Sheet For Information Only



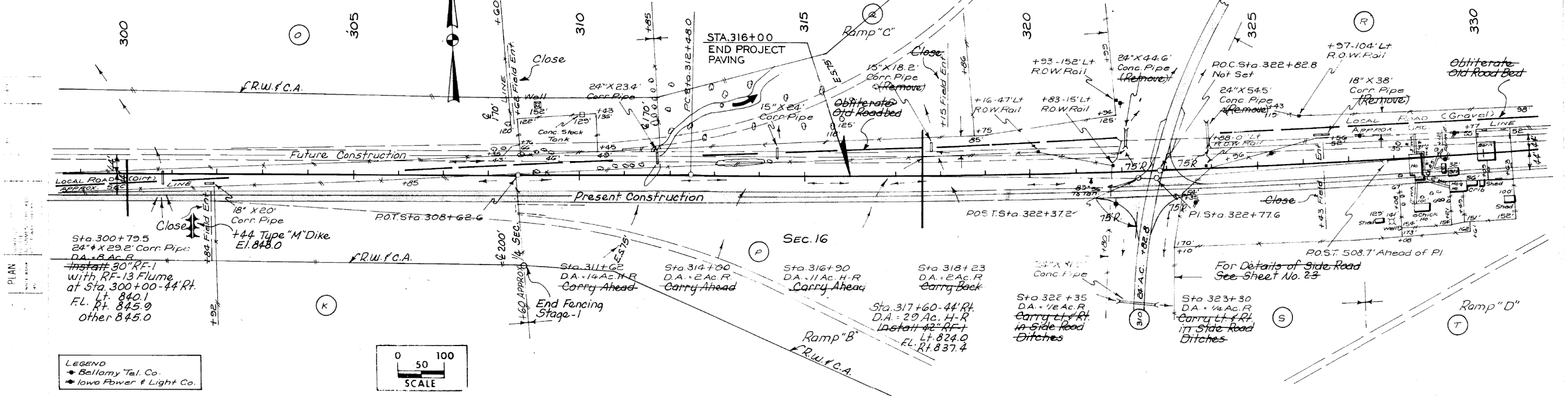
This Sheet For Information Only

Property Owners  
 K. Worth H. & Jessie Stroud  
 O. W. L. Bean  
 P. Everett & E. Harrington  
 Q. Forest & E. Harrington  
 R. Versal & Constance Beebe  
 S. Everett & Harrington  
 T. F. N. Harrington  
 For ROW info see grading plans.

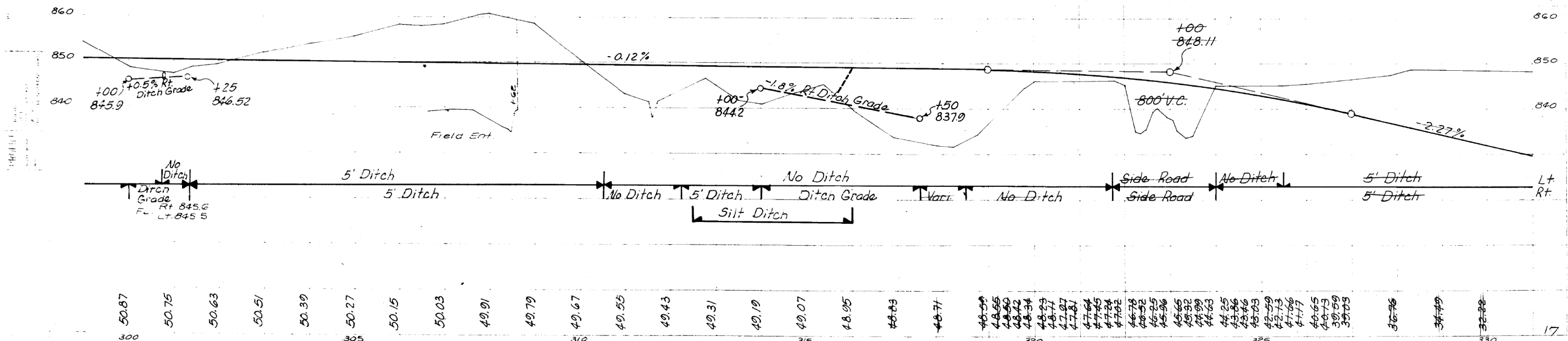
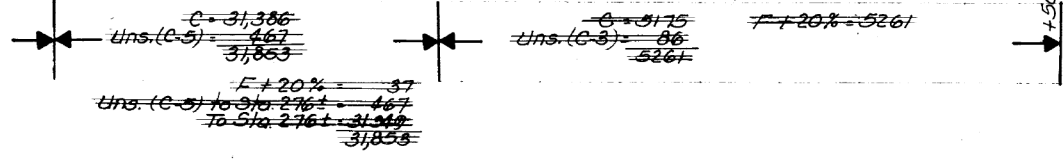
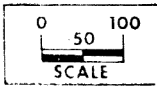
CLAY TWP  
 T75N R18W  
 SEC. 9

Future Interchange  
 Main Line over Side  
 Road.

Δ=4°07' Lt.  
 D=0°12'  
 T=1029.6  
 L=2058.4'  
 E=18.5'  
 R=20,647.8'



LEGEND  
 • Bellamy Tel. Co.  
 • Iowa Power & Light Co.



50.87	50.75	50.63	50.51	50.39	50.27	50.15	50.03	49.91	49.79	49.67	49.55	49.43	49.31	49.19	49.07	48.95	48.83	48.71	48.59	48.55	48.50	48.42	48.34	48.25	48.17	48.07	47.97	47.81	47.64	47.45	47.24	47.02	46.78	46.52	46.25	45.96	45.65	45.32	44.99	44.63	44.25	43.86	43.46	43.03	42.59	42.13	41.66	41.17	40.65	40.13	39.59	39.05	38.50	37.96	37.41	36.88	36.32	35.77	35.22	34.67	34.12	33.57	33.02	32.47	31.92	31.37	30.82	30.27	29.72	29.17	28.62	28.07	27.52	26.97	26.42	25.87	25.32	24.77	24.22	23.67	23.12	22.57	22.02	21.47	20.92	20.37	19.82	19.27	18.72	18.17	17.62	17.07	16.52	15.97	15.42	14.87	14.32	13.77	13.22	12.67	12.12	11.57	11.02	10.47	9.92	9.37	8.82	8.27	7.72	7.17	6.62	6.07	5.52	4.97	4.42	3.87	3.32	2.77	2.22	1.67	1.12	0.57	0.02	300	305	310	315	320	325	330
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This Sheet  
 For Information Only

Property Owners  
 K-Worth H. & Jessie Stroud  
 O-W.L. Bean  
 P-Everett C. Harrington  
 Q-Forest E. Harrington  
 R-Versal & Constance Beebe

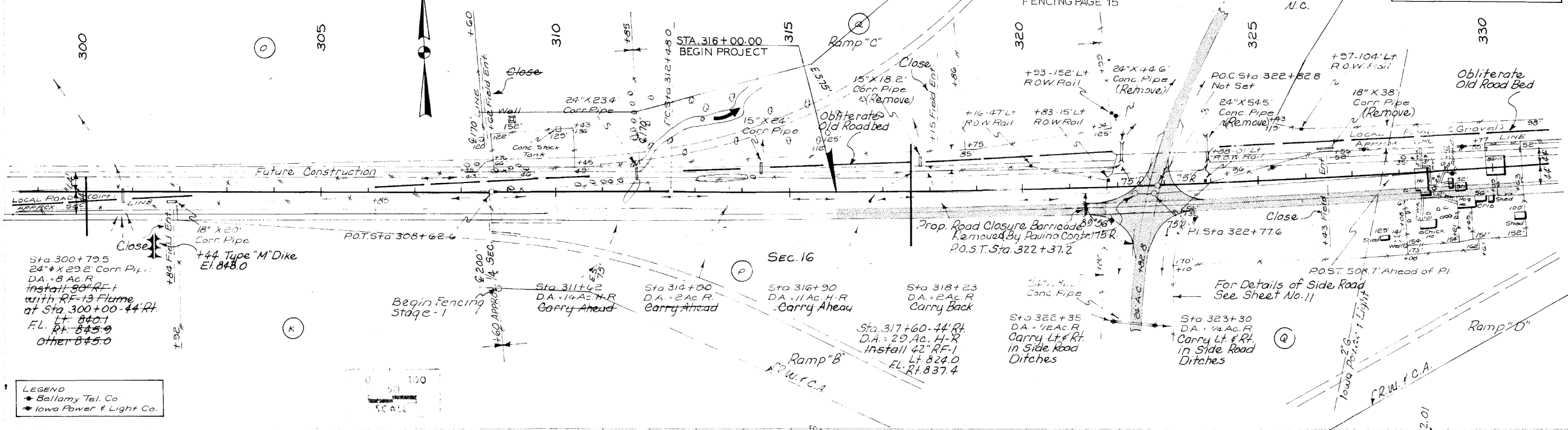
SEE GRADING PLANS FOR R.O.W.

CLAY TWP  
 T75N R18W  
 SEC. 9

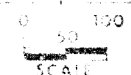
Future Interchange  
 Main Line over Side  
 Road.

Δ=4°07' Lt  
 D=C°12'  
 T=1039.6  
 L=2058.4'  
 E=18.5'  
 R=28,647.5'  
 N.C.

2" High Pressure gas line  
 to be adjusted by others



LEGEND  
 • Bellamy Tel. Co.  
 • Iowa Power & Light Co.

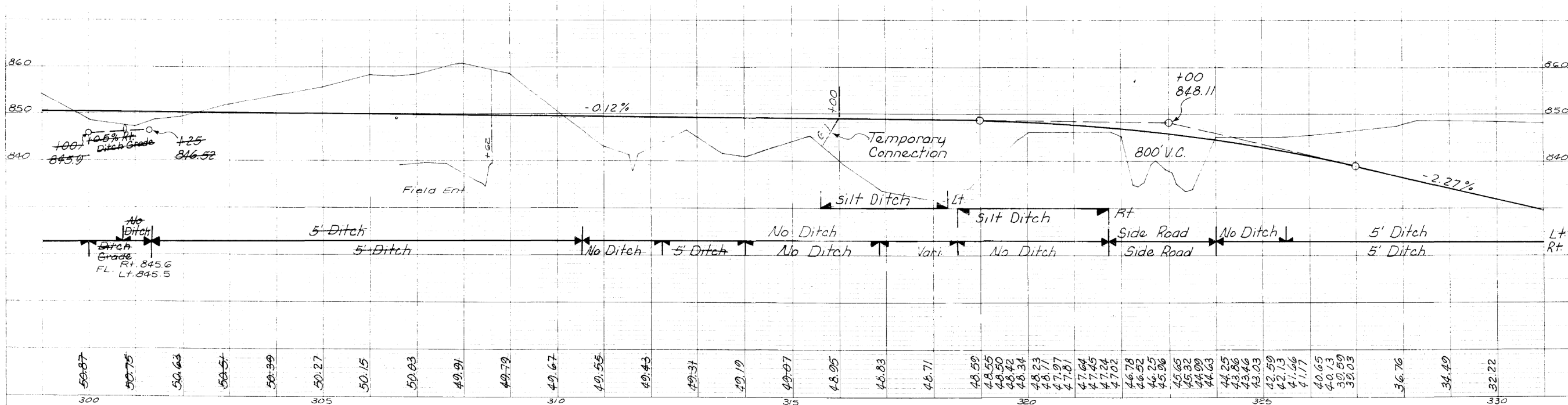


$$C = 26757$$

$$F+15\% = 21232$$

$$F+30\% = 5525$$

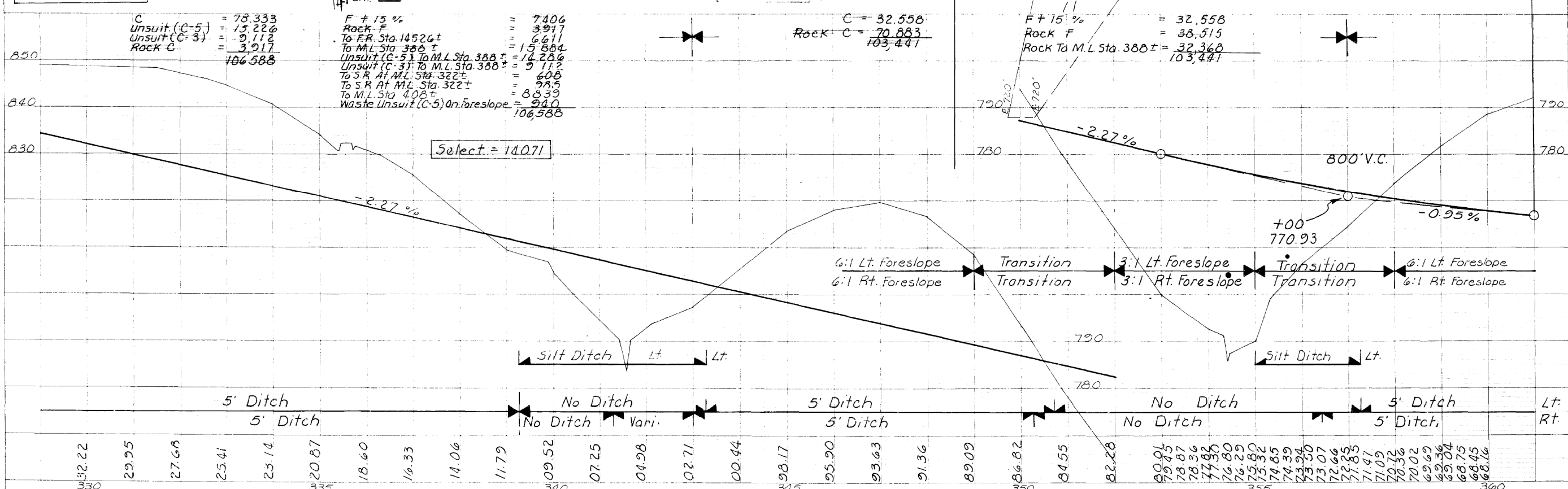
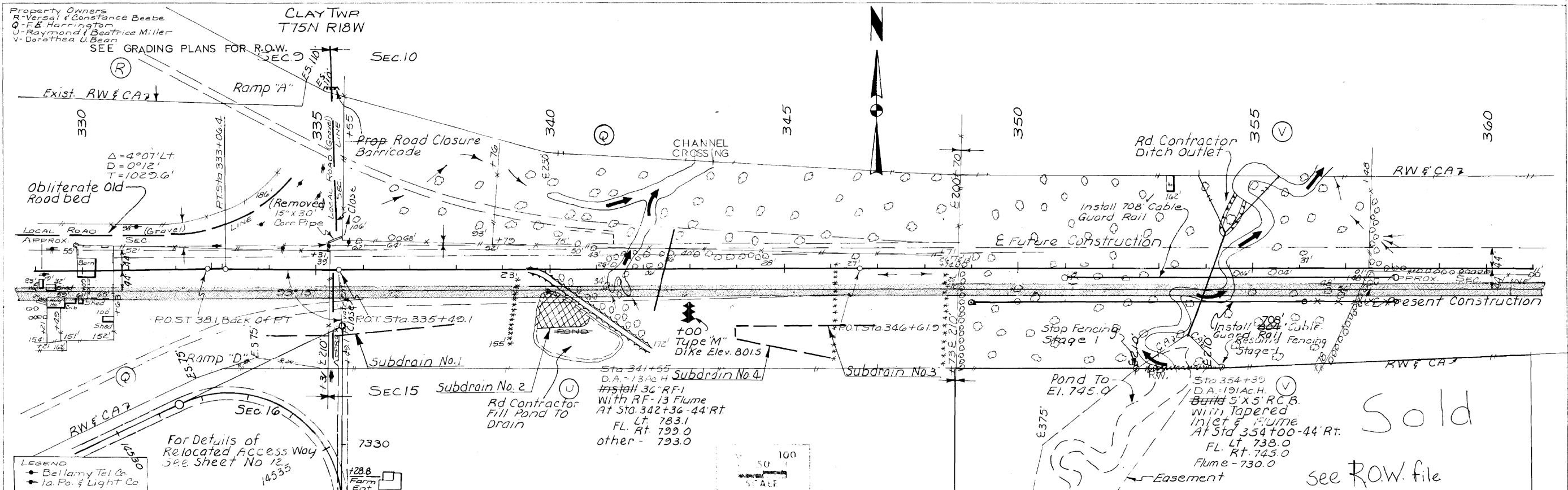
$$\frac{26757}{26757}$$



STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION	STATION	ELEVATION
300	845.9	305	845.5	310	845.5	315	845.5
301	845.9	306	845.5	311	845.5	316	845.5
302	845.9	307	845.5	312	845.5	317	845.5
303	845.9	308	845.5	313	845.5	318	845.5
304	845.9	309	845.5	314	845.5	319	845.5
305	845.9	310	845.5	315	845.5	320	845.5
306	845.9	311	845.5	316	845.5	321	845.5
307	845.9	312	845.5	317	845.5	322	845.5
308	845.9	313	845.5	318	845.5	323	845.5
309	845.9	314	845.5	319	845.5	324	845.5
310	845.9	315	845.5	320	845.5	325	845.5
311	845.9	316	845.5	321	845.5	326	845.5
312	845.9	317	845.5	322	845.5	327	845.5
313	845.9	318	845.5	323	845.5	328	845.5
314	845.9	319	845.5	324	845.5	329	845.5
315	845.9	320	845.5	325	845.5	330	845.5
316	845.9	321	845.5	326	845.5	331	845.5
317	845.9	322	845.5	327	845.5	332	845.5
318	845.9	323	845.5	328	845.5	333	845.5
319	845.9	324	845.5	329	845.5	334	845.5
320	845.9	325	845.5	330	845.5	335	845.5
321	845.9	326	845.5	331	845.5	336	845.5
322	845.9	327	845.5	332	845.5	337	845.5
323	845.9	328	845.5	333	845.5	338	845.5
324	845.9	329	845.5	334	845.5	339	845.5
325	845.9	330	845.5	335	845.5	340	845.5
326	845.9	331	845.5	336	845.5	341	845.5
327	845.9	332	845.5	337	845.5	342	845.5
328	845.9	333	845.5	338	845.5	343	845.5
329	845.9	334	845.5	339	845.5	344	845.5
330	845.9	335	845.5	340	845.5	345	845.5

This Sheet  
 For Information Only





C

Unsuit (C-5)	=	78.333
Unsuit (C-3)	=	15.226
Rock C	=	9.112
	=	3.917
	=	106.588

F + 15%

Rock F	=	7406
To F.R. Sta. 14526±	=	3917
To M.L. Sta. 388±	=	6611
Unsuit (C-5) To M.L. Sta. 388±	=	15.884
Unsuit (C-3) To M.L. Sta. 388±	=	14.286
To S.R. At M.L. Sta. 322±	=	9.112
To S.R. At M.L. Sta. 322±	=	608
To M.L. Sta. 408±	=	925
Waste Unsuit (C-5) On foreslope	=	8839
	=	940
	=	106.588

C = 32.558

Rock C	=	70.883
	=	103.441

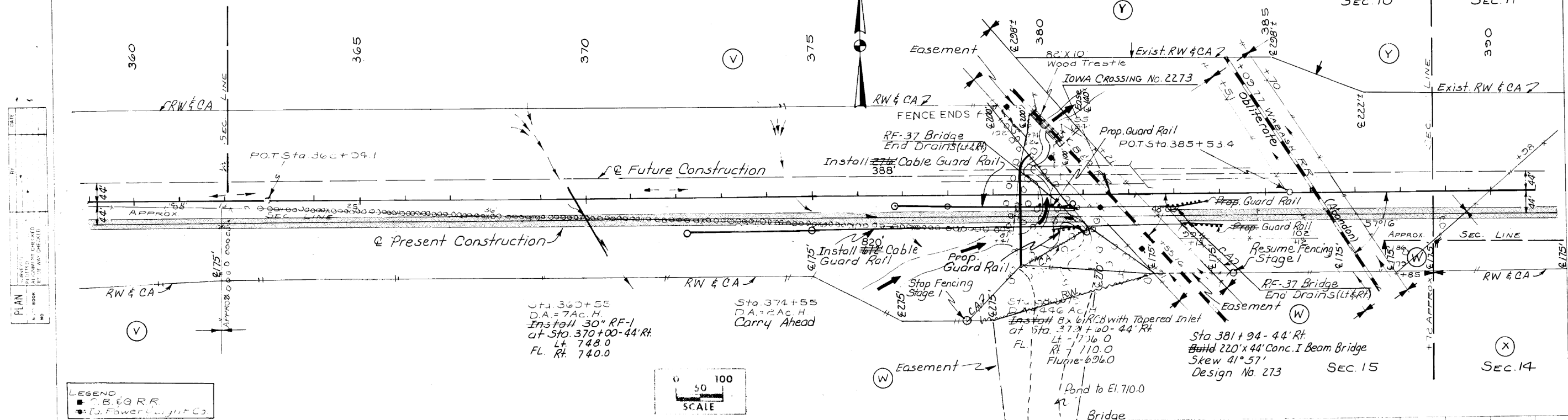
F + 15%

Rock F	=	32.558
Rock To M.L. Sta. 388±	=	38.515
	=	103.441

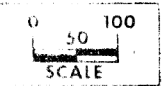
PLAN  
DATE  
BY  
CHECKED  
DATE  
BY  
NOTED  
DATE  
BY

PROFILE  
DATE  
BY  
CHECKED  
DATE  
BY  
NOTED  
DATE  
BY

Property Owners  
V. Dorothea U. Bean  
W. Glen L. & Betty Vander Schel  
X. Donald F. Klein, Jessie M. Klein & Bonnie H. Smith  
Y. Guy Morris  
SEE GRADING PLANS FOR R.O.W.

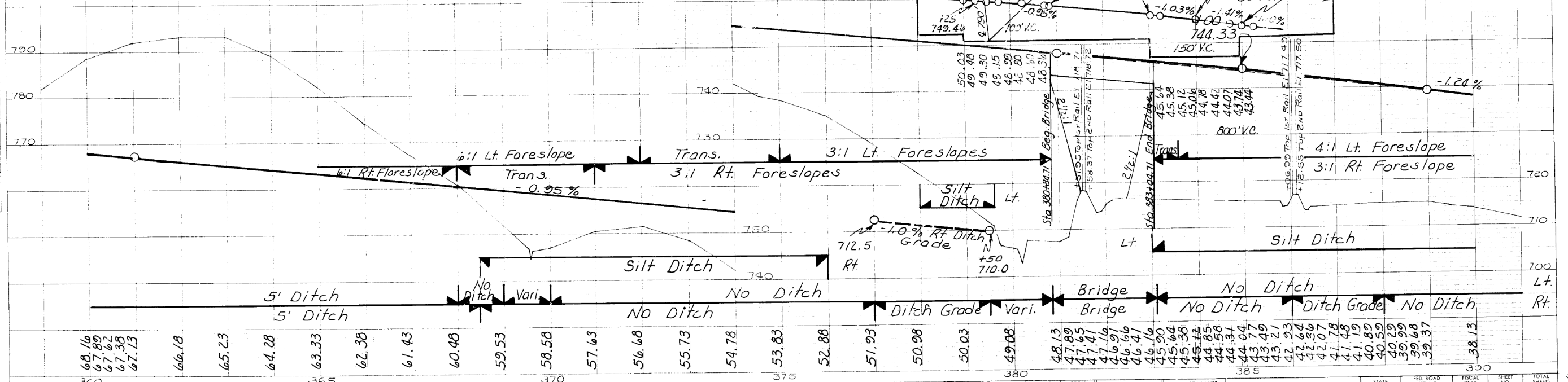


LEGEND  
 ■ C.B.G.R.R.  
 ● (L) Power Light Co.



C = 61,592	F+15% = 3,836	Rock C = 77,890	Rock to Sta: 373± = 69,244	Rock to Sta: 388± = 8,646	To Sta: 373± = 55,560	To Sta: 388± = 2,196	139,482
			Rock from Sta: 362± = 42,75	From Sta: 362± = 69,244			
				Rock F = 69,244			
							129,079

PROFILE  
 DRAWN BY: [ ]  
 CHECKED BY: [ ]  
 DATE: [ ]

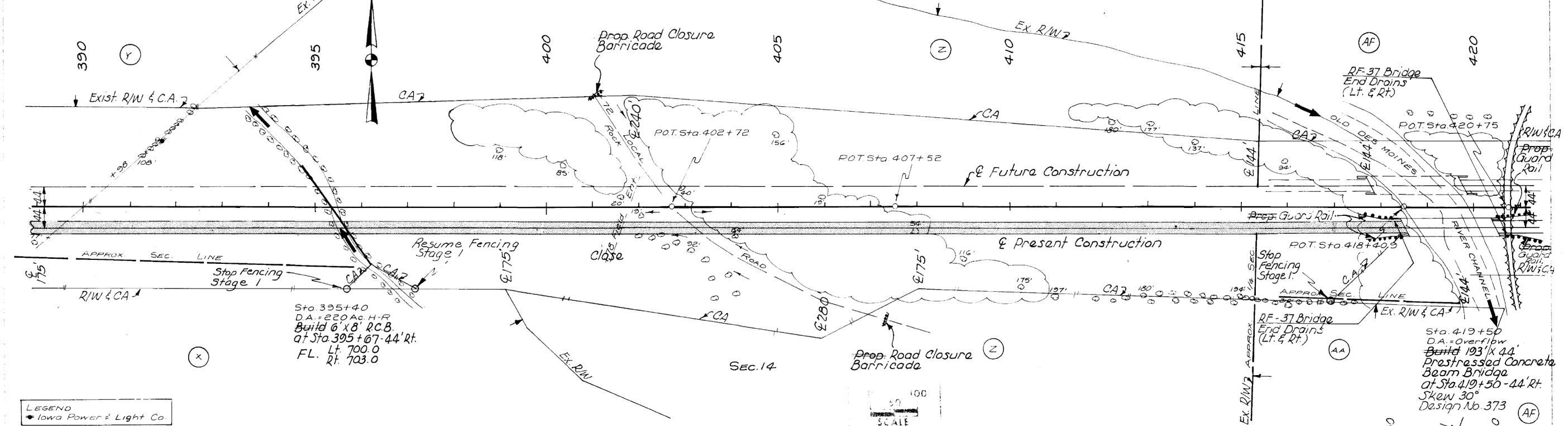


This Sheet  
For Information Only

Property Owners  
 x- Donald F. Klein & Bonnie H. Smith  
 y- Guy Morris  
 z- State of Iowa  
 AA- L.E. & Myra NACE Brubaker  
 AF- Lorin Harvey

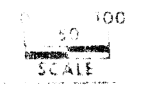
SEE GRADING PLANS  
 FOR R.O.W.

CLAY TWP  
 T 75N R18W  
 Sec. 11

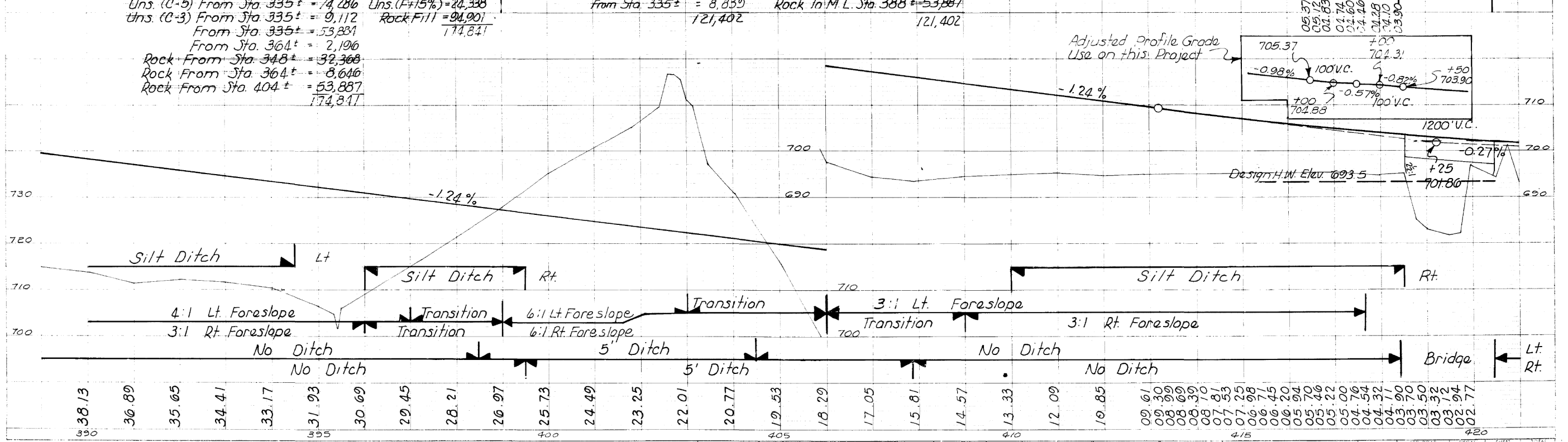


Sta. 395+40  
 D.A. = 220 Ac. H-R  
 Build 6' x 8' R.C.B.  
 at Sta. 395+67.44' Rt.  
 FL. Lt. 700.0  
 Rt. 703.0

LEGEND  
 • Iowa Power & Light Co.



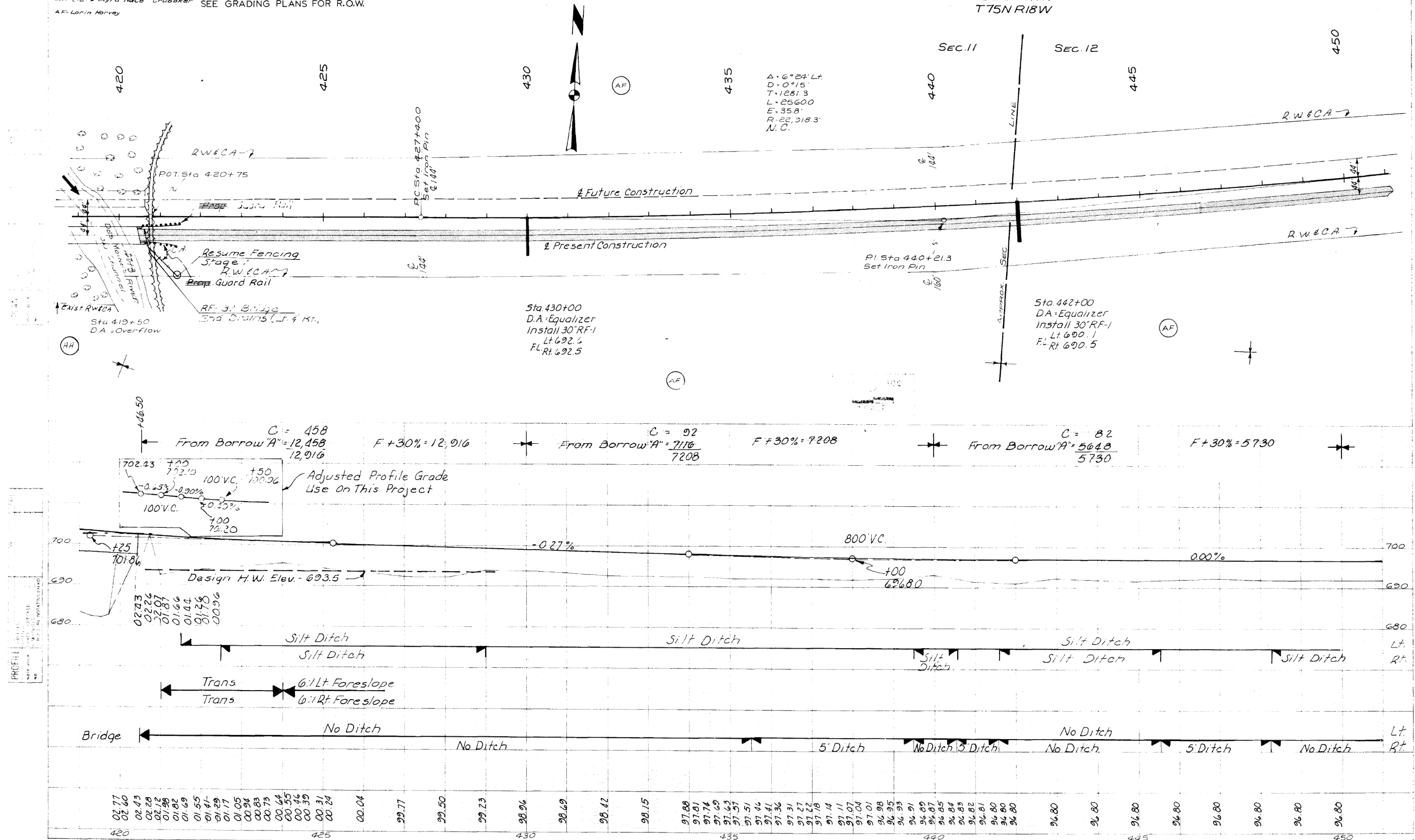
C = 402	F+15% = 55,602	C = 26,336	F+15% = 35,175
Uns. (C-5) From Sta. 335± = 14,286	Uns. (F+15%) = 24,338	Rock C = 86,227	Rock Fill = 32,340
Uns. (C-3) From Sta. 335± = 9,112	Rock Fill = 94,901	From Sta. 335± = 8,839	Rock To M.L. Sta. 388± = 53,887
From Sta. 335± = 53,834	174,841	121,402	121,402
From Sta. 364± = 2,196			
Rock From Sta. 348± = 32,368			
Rock From Sta. 364± = 8,646			
Rock From Sta. 404± = 53,887			
174,841			



This Sheet  
 For Information Only

Property Owners  
 AA-L.E. Myro NACB Erubaker SEE GRADING PLANS FOR R.O.W.  
 AF-Larin Harvey

CLAY TWP  
 T75N R18W



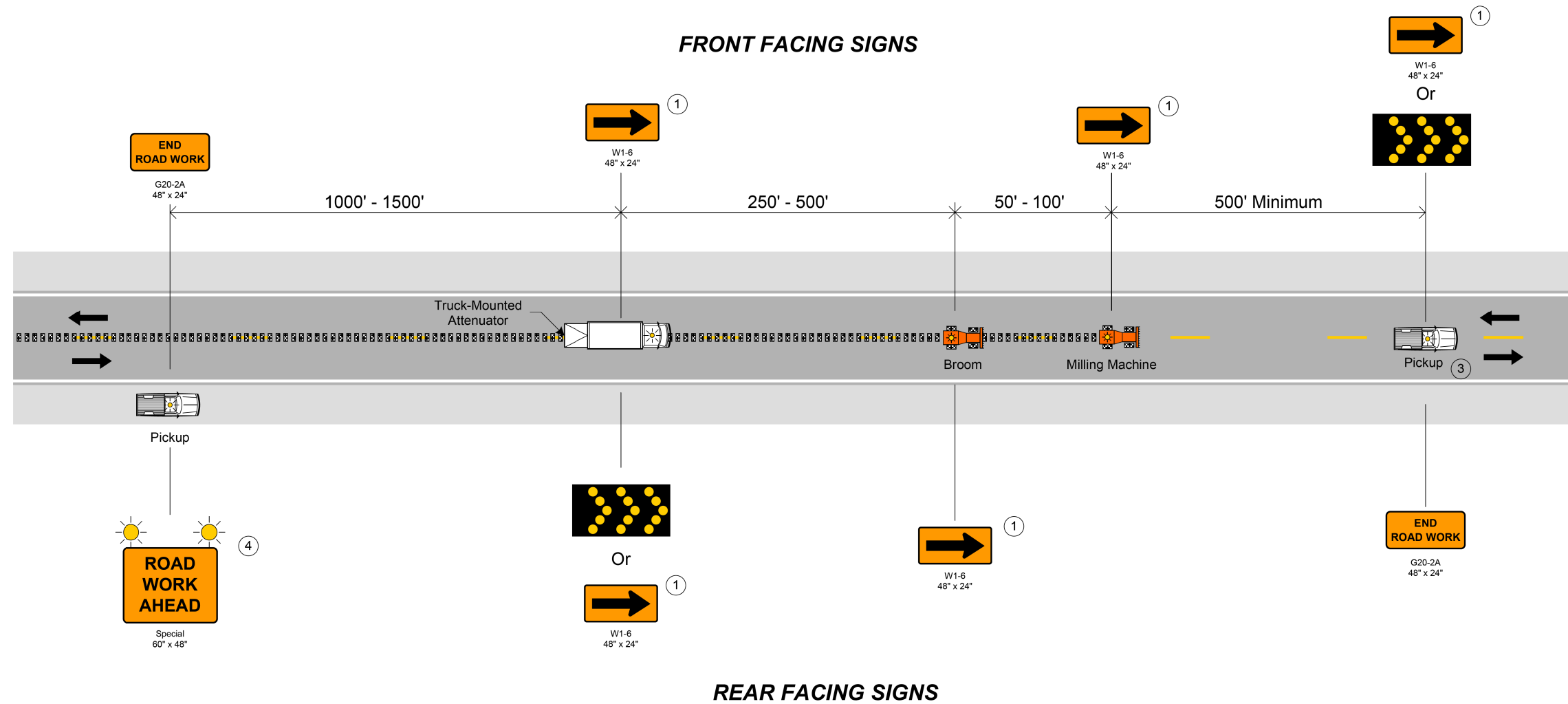
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<b>108-23A</b> 08-01-08
<b>TRAFFIC CONTROL PLAN</b>
<p>1. Through traffic on IA 92 shall be maintained at all times.</p> <p>2. Access to all properties shall be maintained at all times.</p>

<b>111-01</b> 04-17-12										
<b>COORDINATED OPERATIONS</b>										
Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.										
<table border="1"> <thead> <tr> <th>Project</th> <th>Type of Work</th> </tr> </thead> <tbody> <tr> <td>BRFN-092-6(38)--39-63</td> <td>Bridge Deck Overlay</td> </tr> <tr> <td>NHSX-092-6(39)--3H-63</td> <td>HMA Resurfacing with Milling</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Project	Type of Work	BRFN-092-6(38)--39-63	Bridge Deck Overlay	NHSX-092-6(39)--3H-63	HMA Resurfacing with Milling				
Project	Type of Work									
BRFN-092-6(38)--39-63	Bridge Deck Overlay									
NHSX-092-6(39)--3H-63	HMA Resurfacing with Milling									

<b>108-25</b> 10-21-14												
<b>511 TRAVEL RESTRICTIONS</b>												
Route	Direction	County	Location Description	Feature Crossed	Object Type	Maint. Bridge No., Structure ID, or FHWA No.	Type of Restriction	Existing Measurement	Construction Measurement	Construction Measurement as Signed	Projected As Built Measurement	Remarks

<b>108-26A</b> 08-01-08
<b>STAGING NOTES</b>
<p>Suggested Sequence of Construction:</p> <p>1. Patching shall be performed prior to other work on this project.</p> <p>Notet: Pavement Markings shall be placed on each driveale surface as construction progresses.</p>

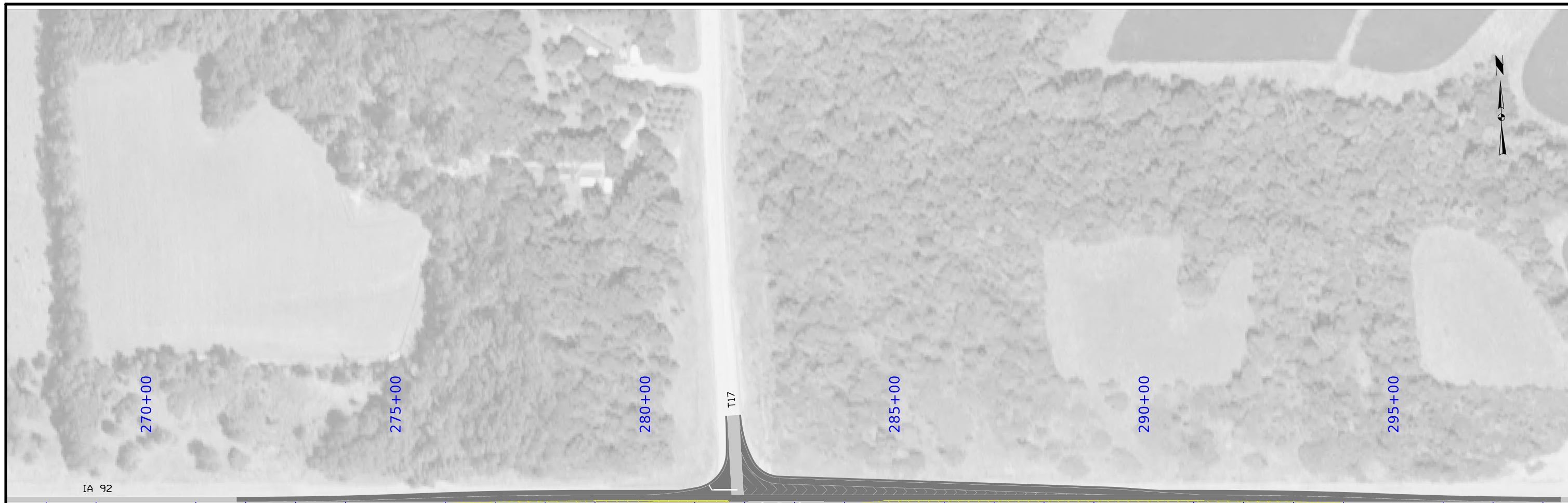


All vehicles shall be equipped with an amber revolving light or an amber strobe light.

- ① Optional SYG sign background
- ② This arrow display may be operated in a four-corner caution mode.
- ③ This vehicle should move to the shoulder to accommodate passing traffic.
- ④ A vehicle-mounted CMS may be used in lieu of this sign.

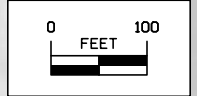
01-17-19

**CENTERLINE  
RUMBLE STRIPS  
TWO-LANE**

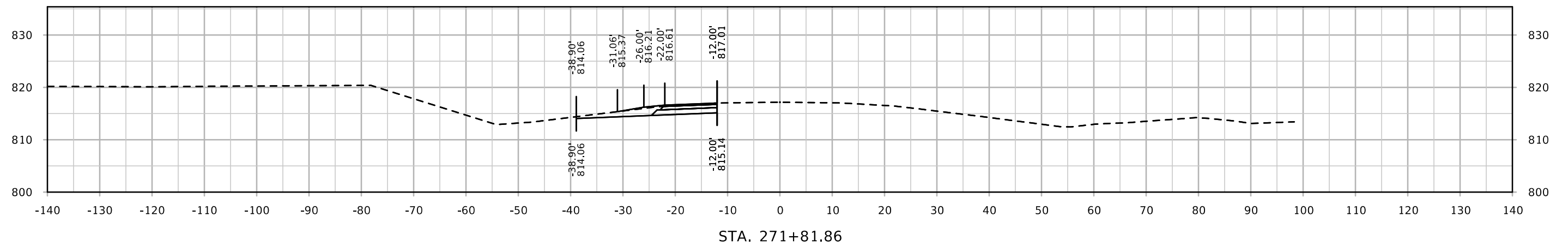
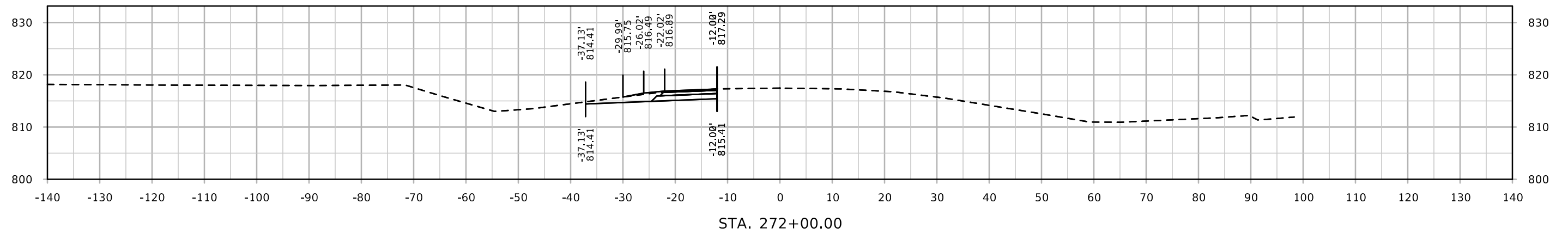
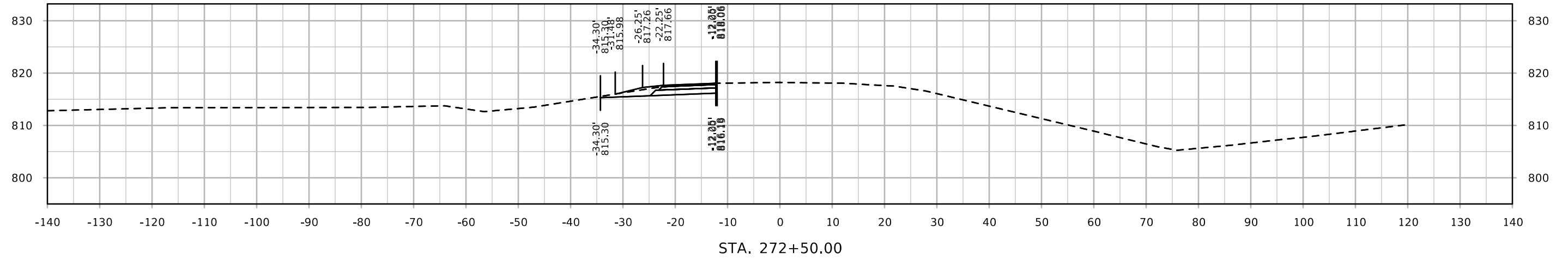


LEGEND:  
 ■ PROPOSED PAVEMENT  
 ■ RESURFACED EXISTING PAVEMENT

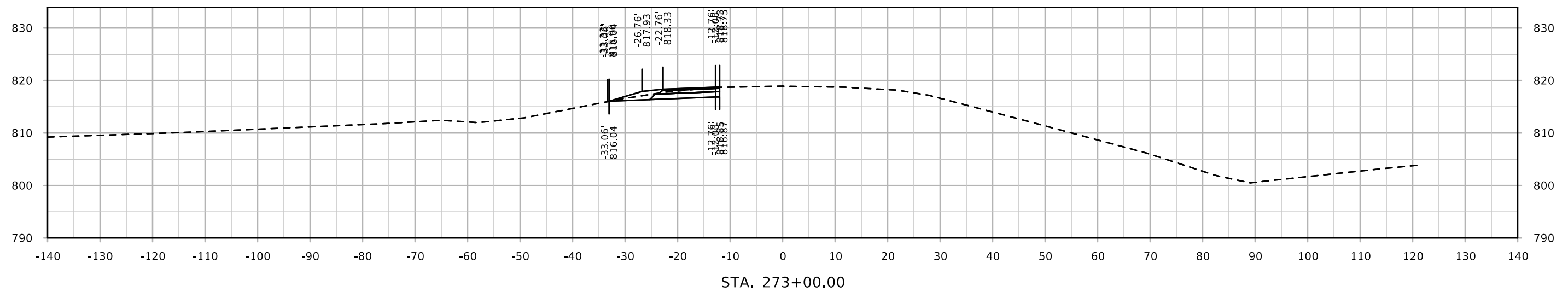
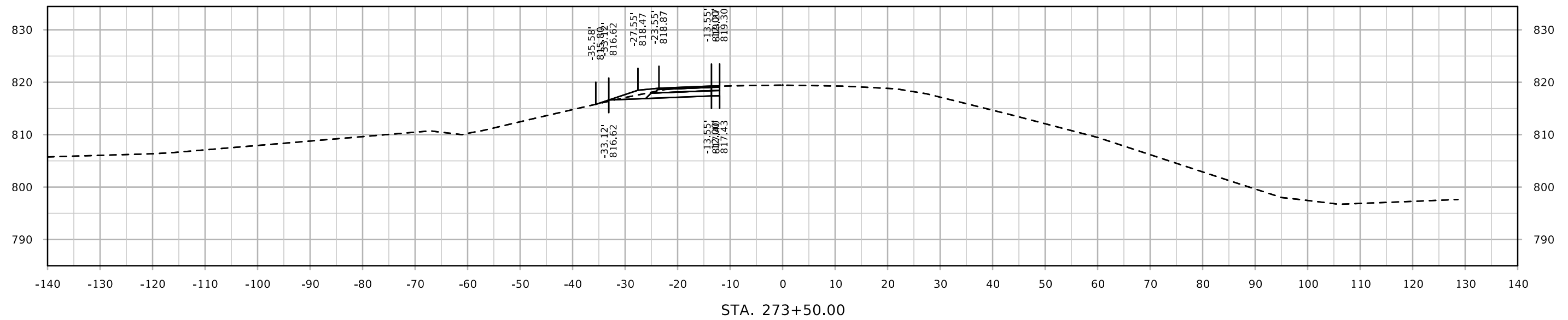
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 For Information Only

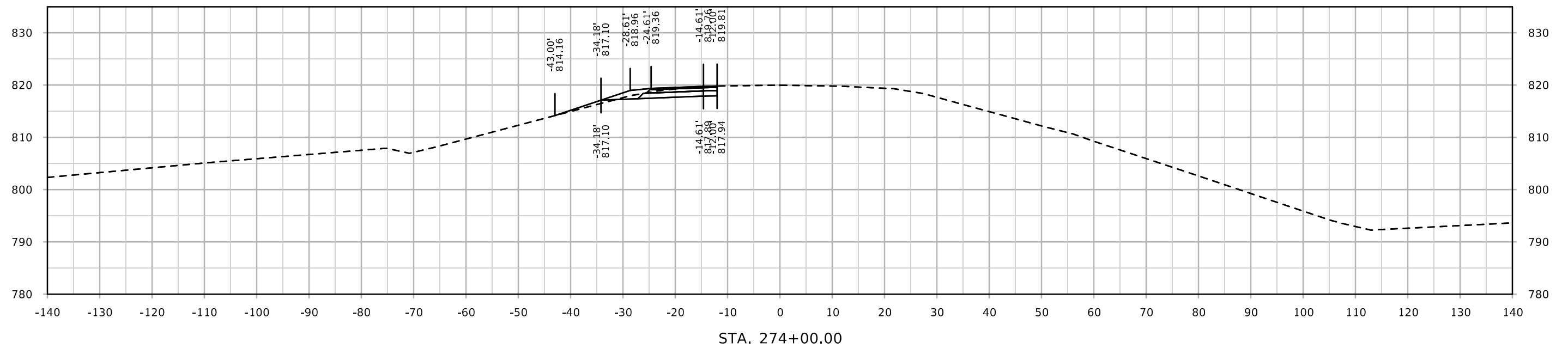
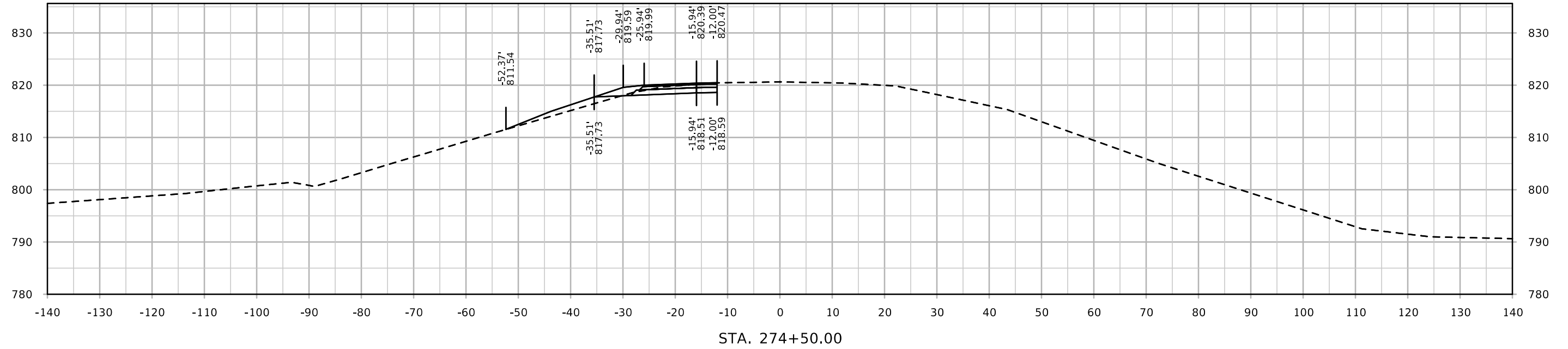


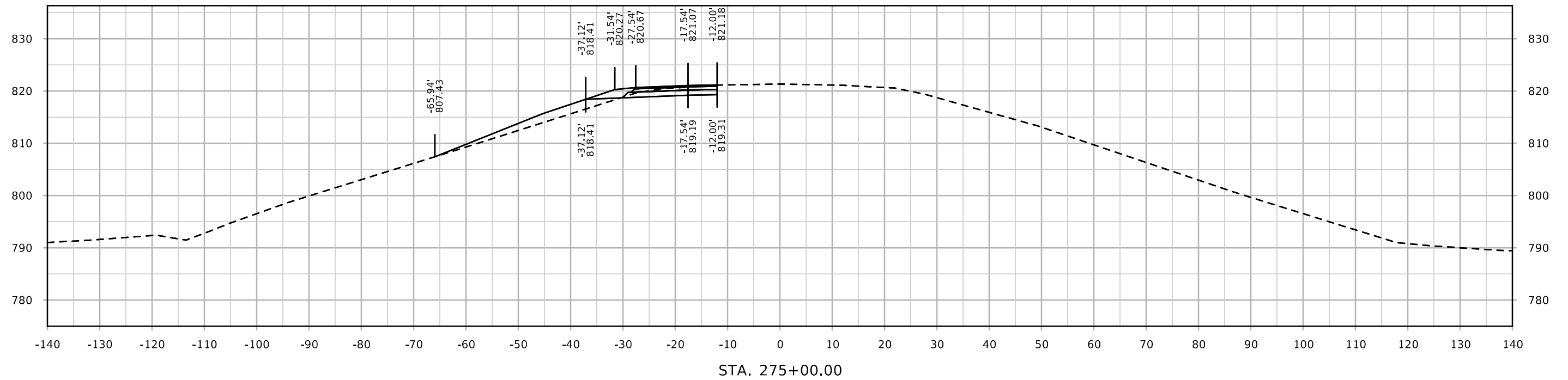
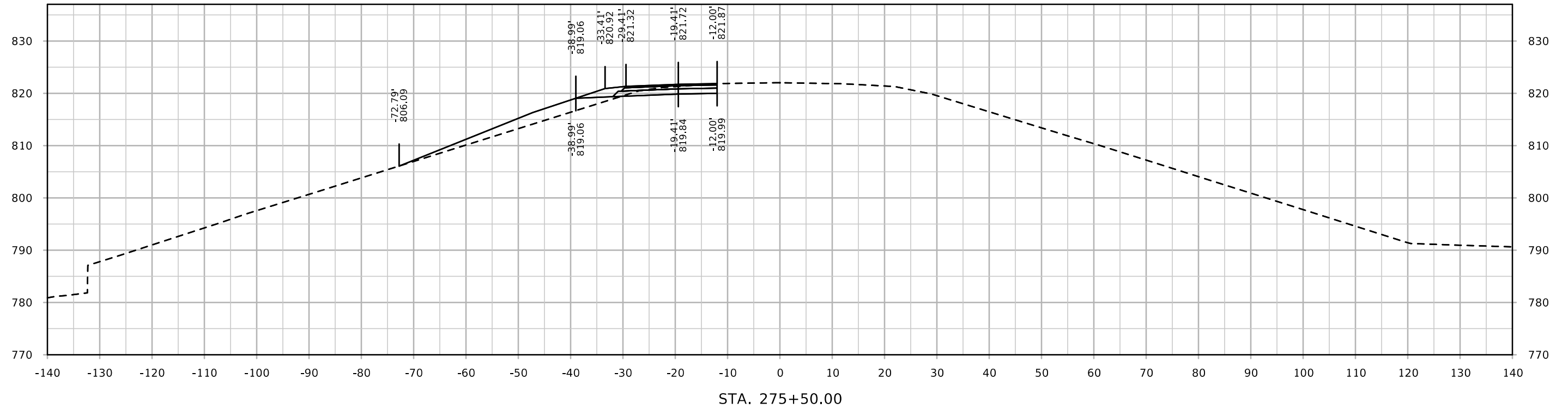
T17 Intersection Pavement Markings

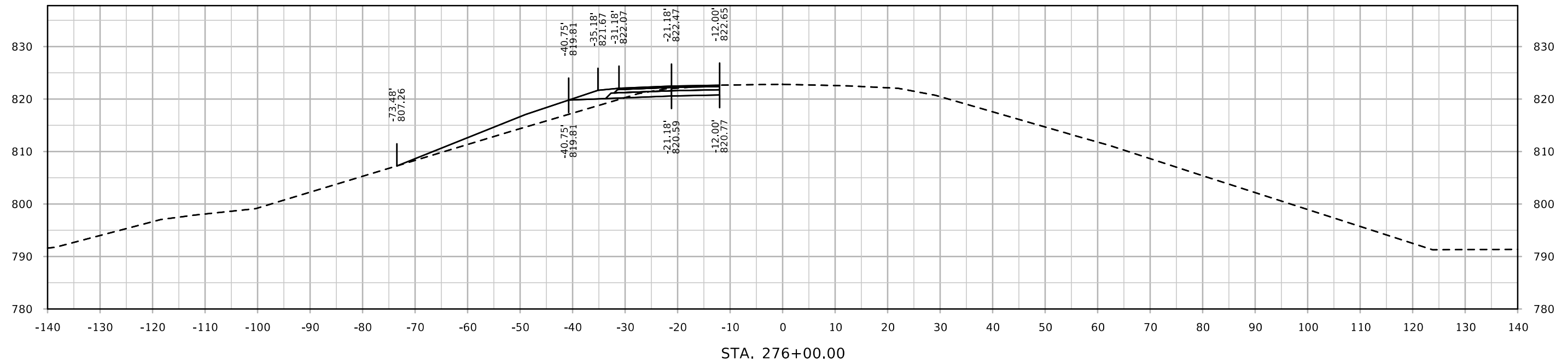
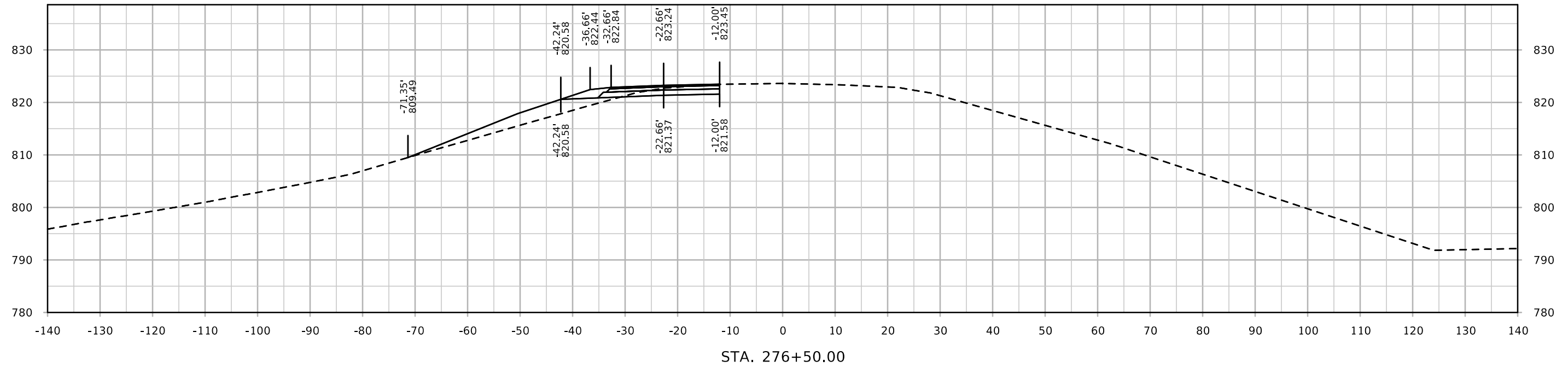


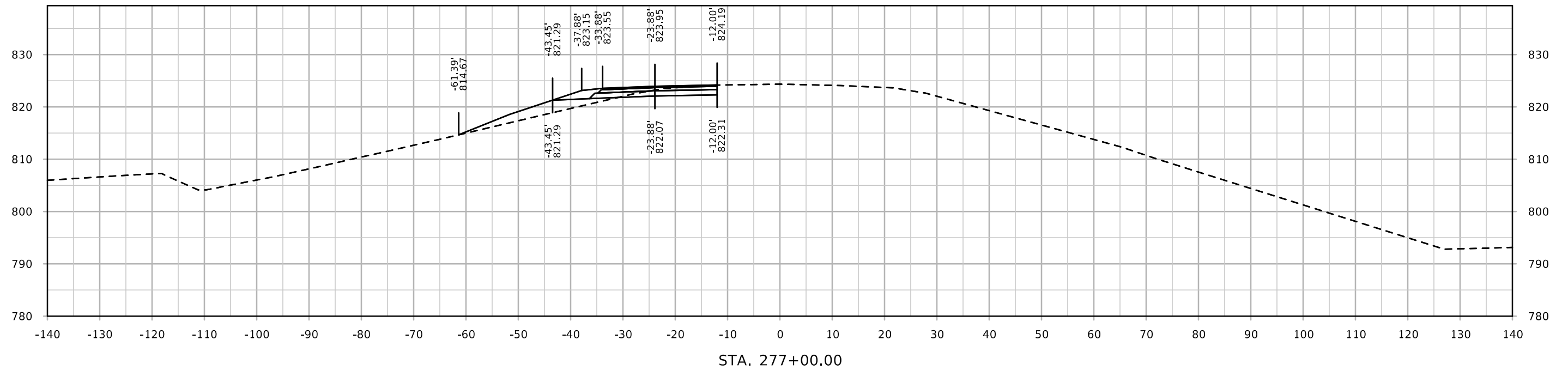
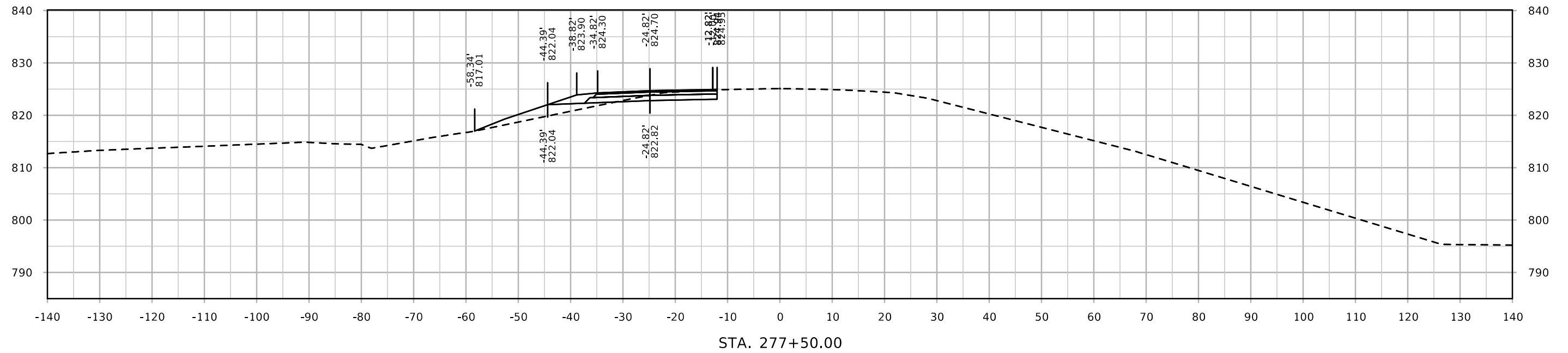


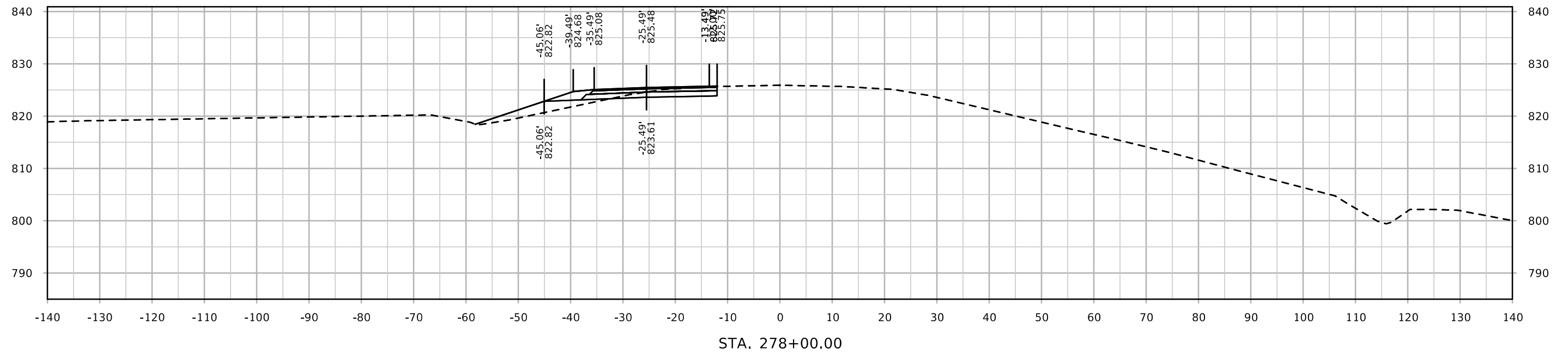
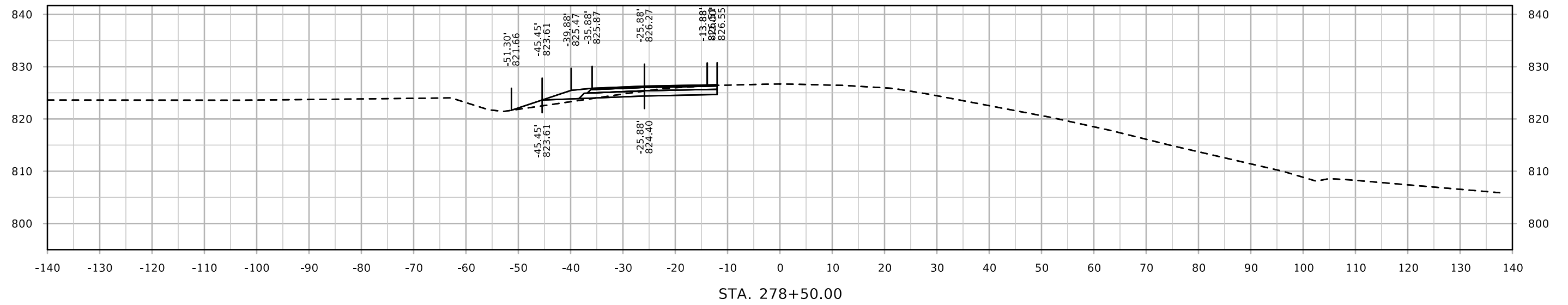


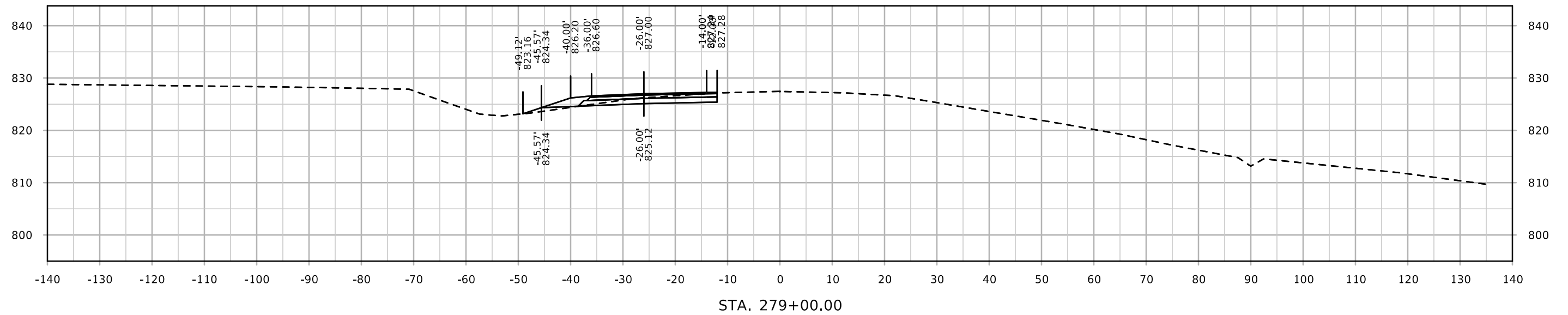
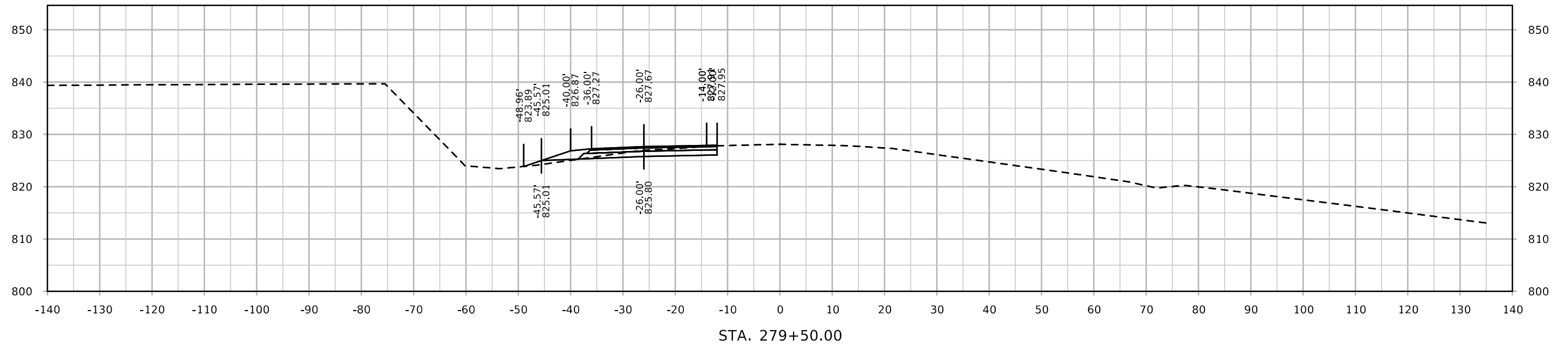


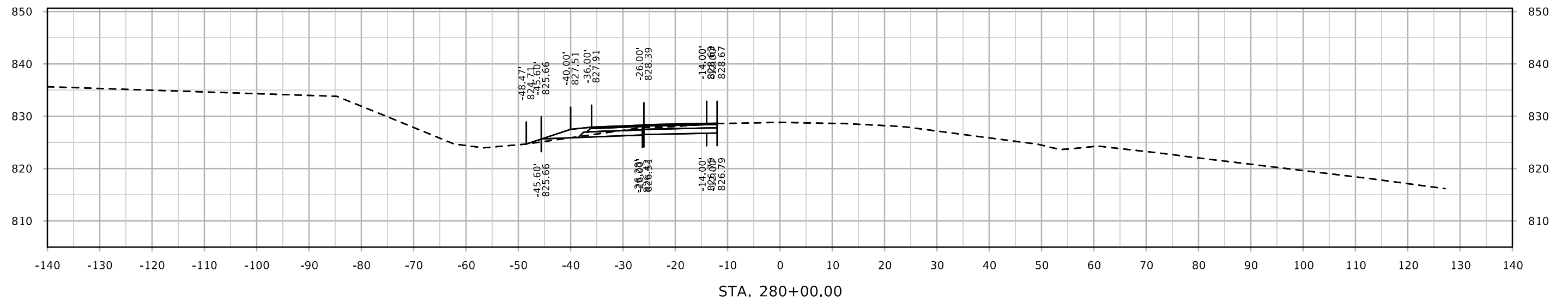
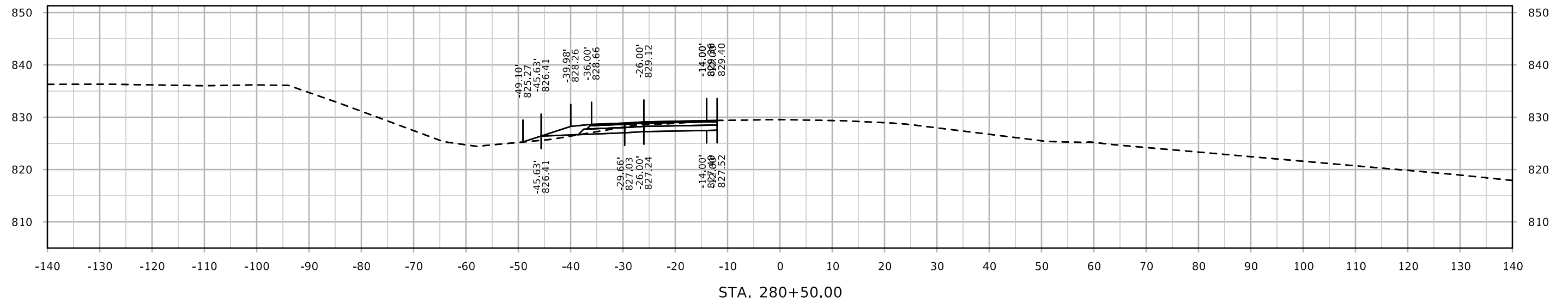
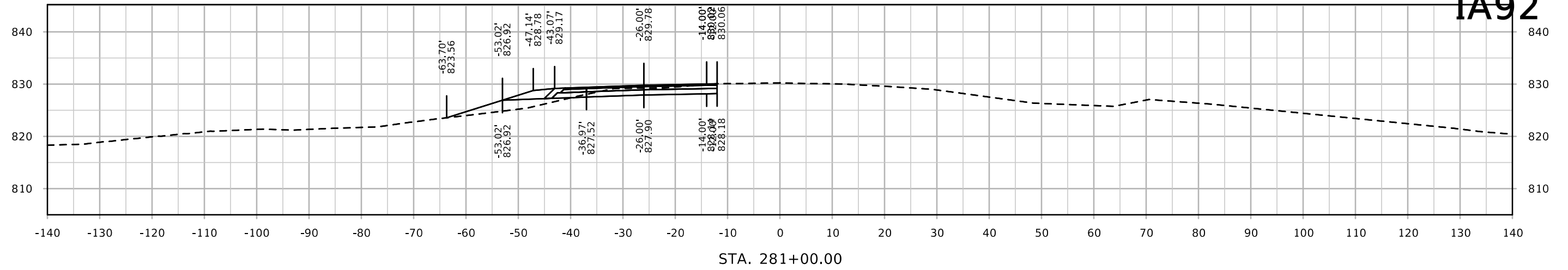




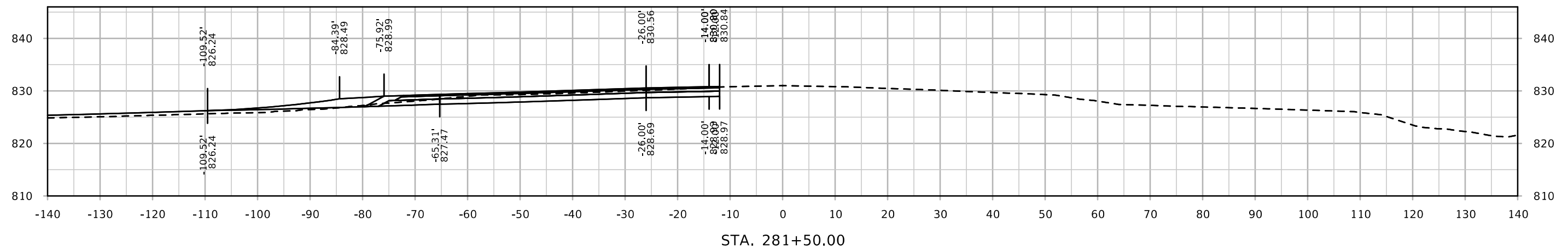
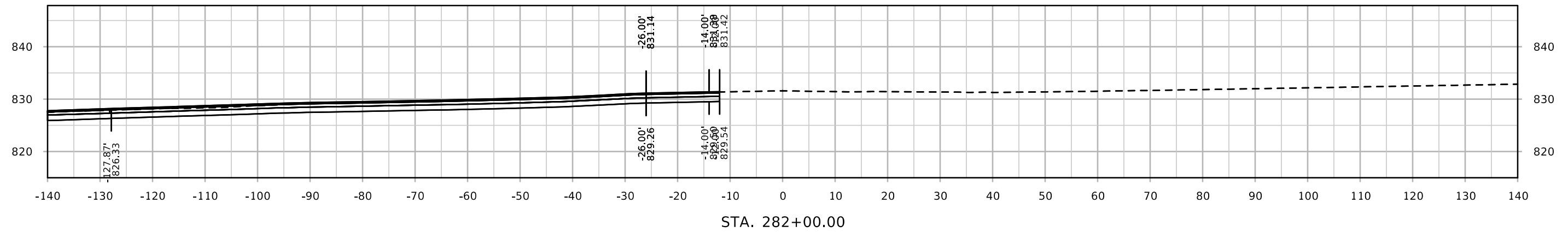
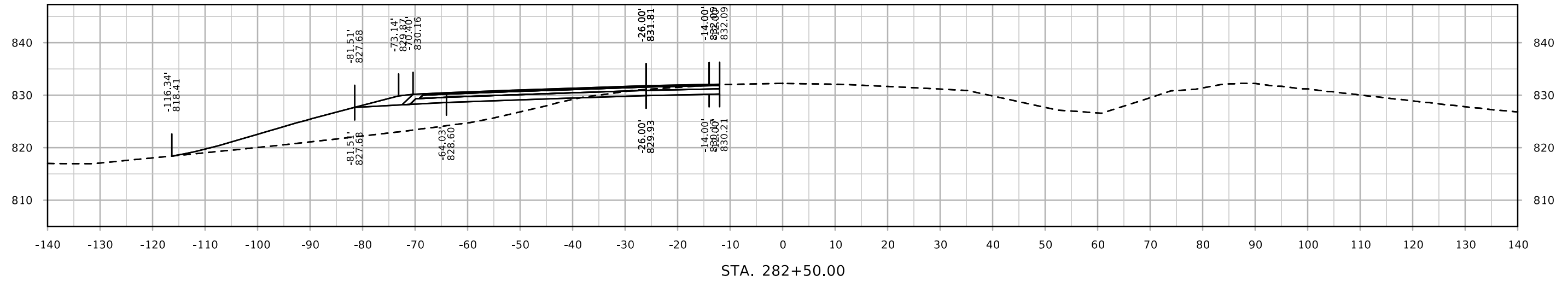












# IA92

