

Letting: November 21, 2023



REVISIONS

TOTAL	--
PROJECT IDENTIFICATION NUMBER	0918801003
PROJECT NUMBER	STPN-188-1(12)--2J-09
R.O.W. PROJECT NUMBER	--
	--
	--

LETTING DATE
02/20/2024

Microsurfacing
STPN-188-1(12)--2J-09

INDEX OF SHEETS	
No.	DESCRIPTION
A Sheets	Title Sheets
A.1	Title Sheet
A.2	Location Map Sheet
B Sheets	Typical Cross Sections and Details
B.1 - 3	Typical Cross Sections and Details
C Sheets	Quantities and General Information
C.4	Project Description
C.1	Estimated Project Quantities and Reference Notes
C.4	Standard Road Plans
C.4	Index of Tabulations
C.4	General Notes
C.4 - x	Tabulations (beg. with tab. of incidentals if needed)
D Sheets	Mainline Plan and Profile Sheets
D.1 - 19	Plan & Profile Legend & Symbol Information Sheet
J Sheets	Traffic Control and Staging Sheets
J.1	Traffic Control Plan
J.1	Staging Notes Stage
J.1	Traffic Control & Staging Legend & Symbol Info. Sheet
J.1	Staging and Traffic Control Sheets Stage ??
S Sheets	Sidewalk Sheets
* S.1	Sidewalk Legend & Symbol Information Sheet
* S.2	Sidewalk Plan Sheets
* S.3	Sidewalk Tabulations
U Sheets	500 Series, Mod.Stds. and Detail Sheets
U.1	500 Series, Modified Standards and Detail Sheets
	* Color Plan Sheets

PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
Bremer COUNTY
Microsurfacing
 W Corporate Limits Plainfield
 US 63 Intersection
 --
 SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.
 Value Engineering Saves. Refer to Article 1105.14 of the Specifications.



Attendees:
 Mary Kelly
 Tracy Meise
 Ashton Johnson
 Tyler Kubik
 Jason Dighton

MILEAGE SUMMARY			105-1 09-27-94
Div.	Location	Lin. Ft.	Miles
	STA 1095+00.0 to 1100+00.0 STA EQ 1100+00.0 BK= 0+00.0 AH	500.0	0.09
	STA 0+00 to 33+26.4 STA EQ 33+26.4 BK= 32+08.1 AH	3,326.4	0.63
	STA 32+08.1 to 535+69.7	5,0361.6	9.54
	BRIDGES		
	STA 31+55.0	(240.0)	(0.05)
	STA 44+25.5	(570.0)	(0.11)
	STA 118+12.0	(120.0)	(0.02)
	STA 158+48.0	(130.0)	(0.02)
	STA 479+39.3	(40.0)	(0.01)
	TOTAL	53,088.0	10.05

Notes:
 -Verify that survey has been done for ADA.
 -no centerline rumbles to be installed in old pavement
 -Discuss with Design in Ames about ADA in NE quad at Main
 -Will need patch tab from Tyler. Will include patching at bridge off of the reinforced section and any partial depth patches that may be needed, especially in town
 -Extend microsurface up to railroad crossing.
 -Need typical for edge repair. Complete edge repair in areas where MP HMA resurfacing did not occur. Those appear to be the areas that need addressed.

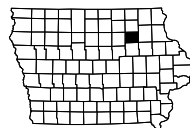
DESIGN DATA RURAL	
20 21 AADT	900 V.P.D.
20 - AADT	-- V.P.D.
20 - DHV	-- V.P.H.
TRUCKS	15 %
Total Design ESALs	394,200

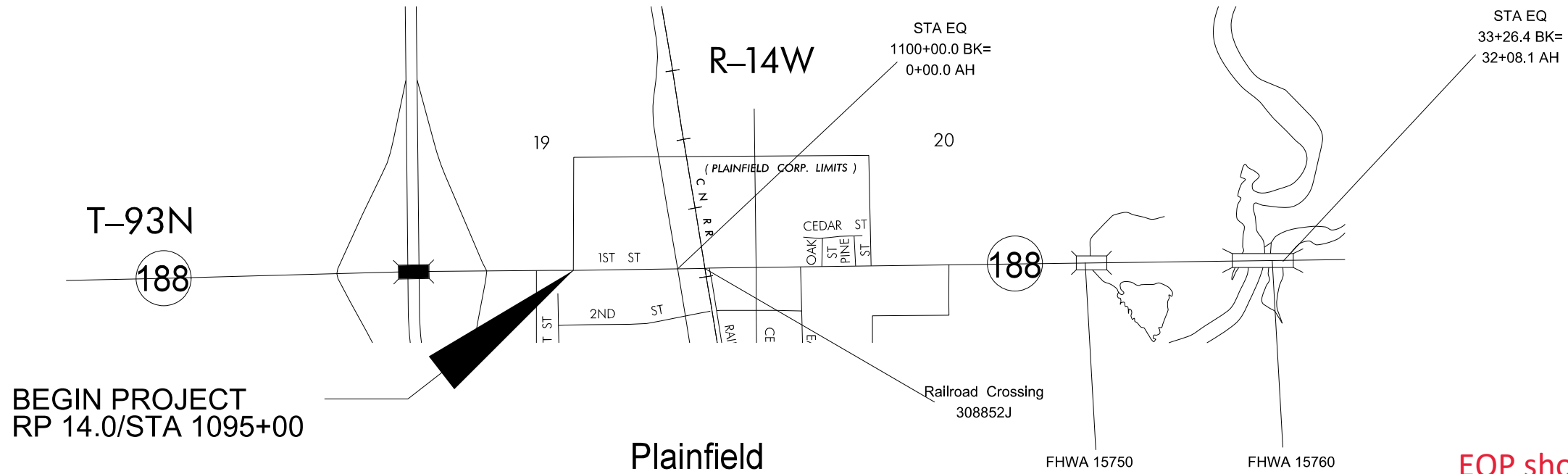
PRELIMINARY PLANS

Subject to change by final design.

D2 PLAN: 5-22-23

Bremer COUNTY





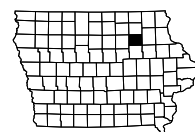
EOP should end 30 LF west of edge of pavement of the turn lane on US 63. this will tie into the US 63 resurfacing project.

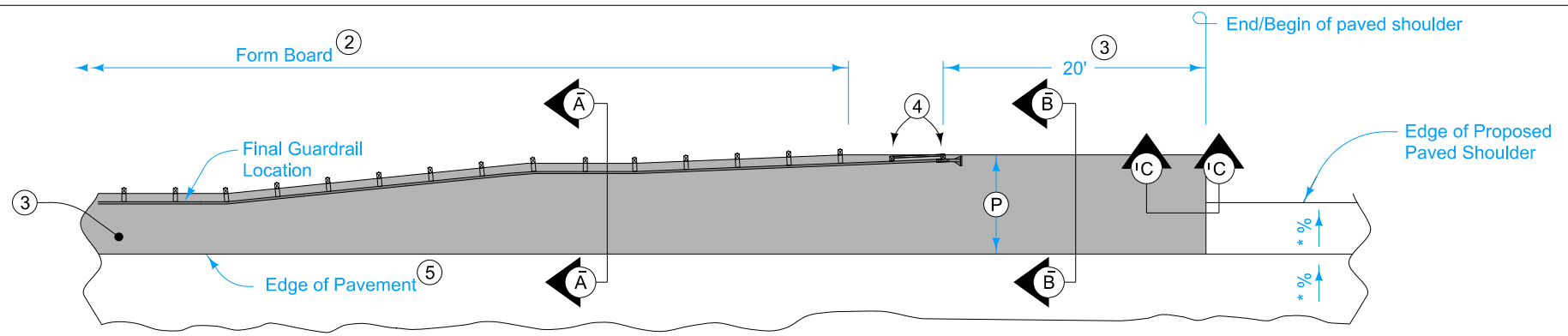
BEGIN PROJECT
RP 14.0/STA 1095+00

BEGIN PROJECT
See above

END PROJECT
RP 24.6/STA 535+69.7

consider 534+70 radius?





PLAN VIEW

* Finished slope shall match existing pavement except that the maximum allowable slope is 3.0 %, minimum allowable slope is 2.0 %. Transition Paved Shoulder slope to 4.0 % in 20'.

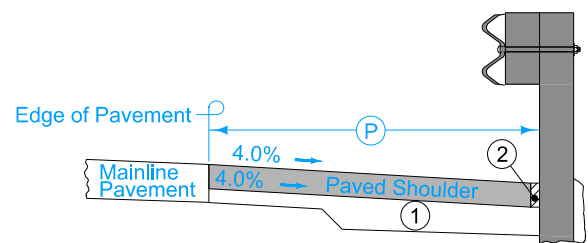
9" HMA Paved Shoulder at guardrail. 8" PCC may be substituted with the following jointing layout:

Match mainline pavement joint spacing. When mainline pavement is 8" or greater in thickness, place additional transverse 'C' joints in shoulder at mid-panel of the mainline pavement. Place longitudinal 'C' joint at P/2 from edge of mainline pavement when P is greater than 10' wide. Terminate longitudinal joint at transverse joint less than 10' in length.

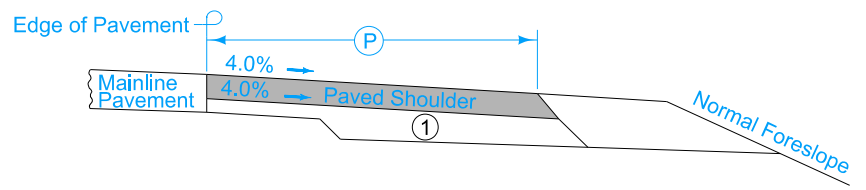
Compaction of HMA is required to face of guardrail post. Hand compaction will be allowed under guardrail. Removal and reinstallation of guardrail will be allowed with no additional payment.

Refer to Tabulation 112-9 for shoulder quantities.

- ① For subgrade treatment, refer to other details in the plan.
- ② PCC option only: When guardrail posts are installed prior to construction of PCC paved shoulder, fasten form board to the face of guardrail posts for the length shown. Refer to note 4 for final 2 posts.
- ③ Continue paved shoulder to existing paved shoulder or 20 feet beyond the center of the first post.
- ④ Shoulder may be notched for final 2 posts or post sleeves may be installed through pavement. Do not drive posts through pavement.
- ⑤ 'KT-1 joint for PCC shoulder. 'B' joint for HMA shoulder.

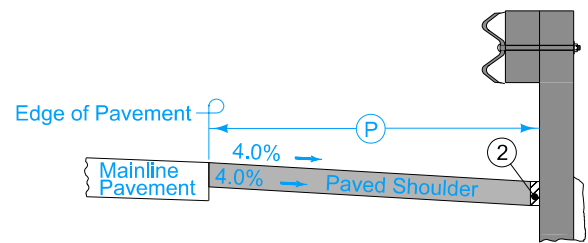


Section A-A

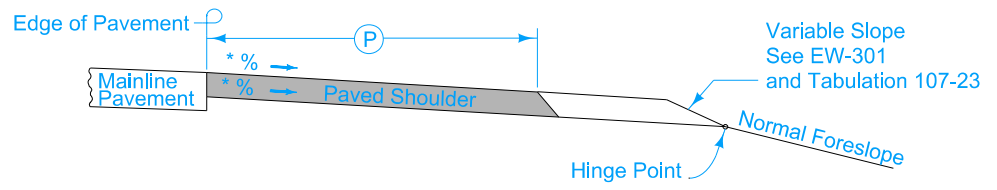


Section B-B

NEW CONSTRUCTION



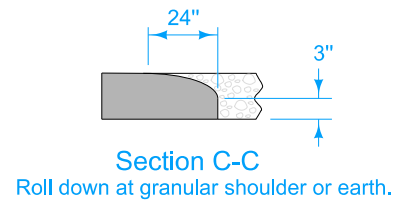
Section A-A



Section B-B

EXISTING SHOULDER

* Finished slope shall match existing pavement except that the maximum allowable slope is 3.0 %, minimum allowable slope is 2.0 %. Transition Paved Shoulder slope to 4.0 % in 20'.

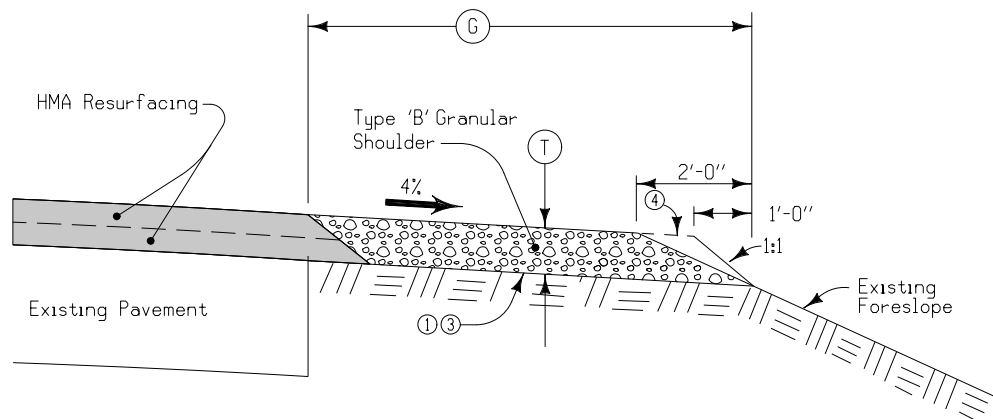


Section C-C

PAVED SHOULDER AT GUARDRAIL

7135
Modified

MK-5

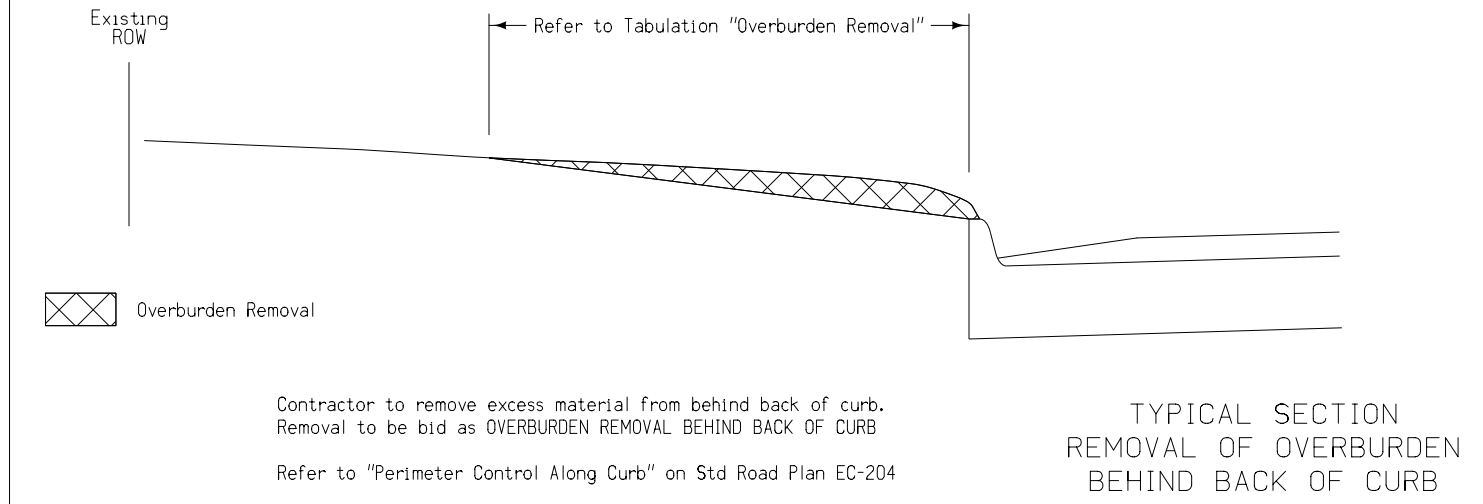


Notes:

- ① Existing shoulder surface to be shaped to an uniform cross slope prior to placing granular shoulder material. Shape to ensure the thickness of the granular shoulder material is not less than the thickness of the resurfacing.
- ② Nominal thickness adjusted to account for existing slopes greater than 4%.
- ③ Placing granular shoulder material in advance of Class 13 Excavation for Widening and Base Widening shall be performed as part of the "Granular Shoulders, Type B" bid item.
- ④ Place and compact material to the dashed lines; then blade and shape to foreslope that portion above the solid line in the outer 2' and roll with loaded truck tire.
- ⑤ Place and compact material to the dashed lines; then blade and shape to foreslope that portion above the solid line in the outer 1' and roll with loaded truck tire.

TYPICAL SECTION
FOR TYPE 'B'
GRANULAR SHOULDER
ADJACENT TO HOT MIX ASPHALT
RESURFACING

ROAD	STATION TO STATION		SIDE	T Inches ②		G Feet ④		STATION TO STATION		SIDE	T Inches ②		G Feet ④	
IA 188	5+98.0	11+15.0	LT	1.5	3	⑤	6+10.0	14+65.0	RT	1.5	2	⑤		
	11+15.0	28+89.3	LT	1.5	8		14+65.0	30+04.5	RT	1.5	8			
	33+85.9	40+19.9	LT	1.5	8		33+89.5	39+83.1	RT	1.5	8			
	48+62.4	117+12.5	LT	3	8		48+24.7	115+84.1	RT	3	8			
	119+98.0	156+54.8	LT	3	8		120+18.0	156+04.8	RT	3	8			
	160+64.2	315+31.5	LT	5	8		160+26.9	314+81.7	RT	5	8			
	317+85.5	478+26.2	LT	5	8		317+35.7	478+01.4	RT	5	8			
	480+77.1	535+69.7	LT	5	8		480+52.5	535+69.7	RT	5	8			
				5						5				
				5						5				



TYPICAL SECTION
REMOVAL OF OVERBURDEN
BEHIND BACK OF CURB

-Use 7134/modified for shoulder typical

-Add typical for edge repair of roadway (2 feet wide, 2" deep). Use HMA partial depth patch material and by area as bid items for payment.

2530-0400061

2530-5070221

Item no.	Item Code	Item	Unit	Quantities		Estimate Reference Notes
				Estimated		
				Roadway Items		
16	2505-4008300	STEEL BEAM GUARDRAIL	LF	487.5		Refer to Tabulations 108-8A and 108-8B for additional information.
17	2505-4008410	STEEL BEAM GUARDRAIL BARRIER TRANSITION SECTION, BA-201	EACH	7		Refer to Tabulation 108-8A for additional information.
18	2505-4021010	STEEL BEAM GUARDRAIL END ANCHOR, BOLTED	EACH	7		
19	2505-4021720	STEEL BEAM GUARDRAIL TANGENT END TERMINAL, BA-205	EACH	11		Refer to Tabulations 108-8A and 108-8B for additional information.
20	2505-4502100	STEEL BEAM GUARDRAIL, POST ADAPTER UNIT, BA-210	EACH	6		Refer to Tabulation 108-8B for additional information.
21	2511-6745900	REMOVAL OF SIDEWALK	SY	0		Refer to Tabulation 110-5. See traffic control plan for pedestrian staging or closings.
22	2511-7526004	SIDEWALK, P.C. CONCRETE, 4 IN.	SY	0		Refer to Typical 7401. See S sheets for additional information. See traffic control plan for pedestrian staging or closings.
23	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	0		Refer to Tabulation 112-4. See traffic control plan for pedestrian staging or closings
24	2511-7528101	DETECTABLE WARNINGS	SF	10		Refer to S Sheets for additional information.
25	2512-1725206	CURB AND GUTTER, P.C. CONCRETE, 2.0 FT.	LF	0		
26	2526-8285000	CONSTRUCTION SURVEY	LS	1		Refer to TC-283 for traffic control layout. Staking in the S Sheets is incidental to Construction Survey. This staking will be defined as verifying slopes of the form work by using a level, or other means, at the quadrants identified in the S Sheets. This serves as an additional check to verify slopes are within tolerances prior to placing concrete. Survey information provided in project plans is for reference only and should not be used for purposes related to construction survey. Project plans and associated electronic files are not geo-referenced to a standard coordinate system and should not be used to establish construction survey baselines. DOT will be responsible for preservation of section corner including Public Land Survey Corner Certificates and shall not be included in this bid item. All other construction survey requirements shall apply.
27	2527-9263109	PAINTED PAVEMENT MARKING, WATERBORNE OR SOLVENT-BASED	STA	3,043.23		Refer to Tabulation 108-22 for additional information. First application of pavement markings are to be placed immediately after the first lift of microsurfacing is completed. Second application of pavement markings are to be placed immediately after the second lift of microsurfacing is completed. Final application of pavement markings are to be placed approximately 15-30 days following the completion of the second lift of microsurfacing.
28	2527-9263137	PAINTED SYMBOLS AND LEGENDS, WATERBORNE OR SOLVENT-BASED	EACH	4		Refer to Tabulation 108-29 for additional information.
29	2527-9270111	GROOVES CUT FOR PAVEMENT MARKINGS	STA	1,521.61		
30	2527-9270120	GROOVES CUT FOR SYMBOLS AND LEGENDS	EACH	2		
31	2528-8445110	TRAFFIC CONTROL	LS	1		Refer to Tabulation 108-23A and Typical 8212 for additional information.
32	2528-8445113	FLAGGERS	EACH	0		See proposal
33	2528-8445115	PILOT CARS	EACH	0		
34	2529-8202000	RUMBLE STRIP PANEL (IN FULL DEPTH PATCH)	EACH	3 2		Need full depth patch items to go with this, by area and by count.
35	2530-0400061	HOT MIX ASPHALT (PARTIAL DEPTH PATCH MATERIAL)	TON	0		Use this bid item for edge repair

Item no.	Item Code	Item	Unit	Quantities		Estimate Reference Notes
				Estimated		
				Roadway Items		
36	2530-5070210	PATCHES, PARTIAL DEPTH P.C.C. FINISH	SF		delete	
37	2530-5070231	IRREGULAR PARTIAL DEPTH HOT MIX ASPHALT FINISH PATCHES, BY AREA	SY			add 2530-5070221 to pay for edge repair
38	2530-5070240	PARTIAL DEPTH PCC JOINT AND CRACK REPAIR PATCHES	LF		Delete	
39	2531-5200010	PAVEMENT SURFACE REPAIR (MILLING LIMESTONE)	SY	100,257.9		Pavement to be milled a nominal 3/8 inch, 24 feet wide prior to placing microsurfacing. The speed of the milling machine shall be coordinated with the Engineer to obtain the desired milled surface.
40	2533-4980005	MOBILIZATION	LS	1		--
41	2548-0000110	ASPHALT EMULSION FOR FOG SEAL (SHOULDER RUMBLE STRIPS)	GAL	1,127.4		Refer to Tabulation 112-10 for additional information. Rumble strip locations to be determined by the Engineer in the field.
42	2548-0000310	MILLED CENTERLINE RUMBLE STRIPS, HMA SURFACE	STA	505.87		
43	2548-0000320	MILLED CENTERLINE RUMBLE STRIPS, PCC SURFACE	STA	14.43		
44	2551-0000230	PERMANENT CRASH CUSHION, SEVERE USE (SU)	EACH	1		Refer to Tabulation 103-30 and U Sheet for additional information.
45	2551-0000300	PERMANENT CRASH CUSHION SPARE PARTS KIT	EACH	1		
46	2595-0005115	RAILROAD PROTECTIVE LIABILITY INSURANCE FOR CEDAR RAPIDS AND IOWA CITY RAILWAY INC.	LS	1		
47	2599-9999017	('STATIONS' ITEM) OVERBURDEN REMOVAL, BEHIND CURB	STA	1.5		Item is for removal of overburden behind the back of curb to a point along the backslope. All material removed become the property of the Contractor. Refer to Typical MK-x and Tabulation 300-x for additional information. Method of Measurement: Stations shown in the Contract documents along each edge of the pavement. Basis of Payment: Stations, payment is full compensation for all tools, labor and equipment need to do the work.
48	2601-2634100	MULCHING	ACRE	0		Perform mulching according to Article 2601.03, E, 2, of the Standard Specifications. Anchor mulch into the soil using mulch anchoring equipment with a minimum of two passes. Item is included for areas requiring reshaping and seedbed preparation. Use mulch that is Certified Noxious Weed Seed Free Mulch as certified by the Iowa Crop Improvement Association or adjacent states Crop Improvement Associations. Mulch Rate: 1 1/2 tons of dry cereal straw or native grass straw per acre. MULCHING Mulching shall be applied as described in standard specification section 2601. After seeding, mulch all areas disturbed by grading except where slope protection has been applied. Refer to Tabulation 300-0 for locations.
49	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	0		For all areas designated by the Engineer. Prepare seedbed, fertilize, and seed according to Article 2601.03, C, 4, of the Standard Specifications. Use ground driven equipment.

Item no.	Item Code	Item	Unit	Quantities		Estimate Reference Notes
				Estimated		
				Roadway Items		
50	2601-2642120	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	ACRE			Item is included for disturbed areas as directed by the Engineer. Seed and fertilize all urban disturbed areas according to Article 2601.03, C, 2, of the Standard Specifications.
51	2602-0000030	SILT FENCE FOR DITCH CHECKS	LF	360		Refer to Tabulation 100-18 for additional information. This item includes estimated locations for placement of "Silt Fence for Ditch Checks" to address possible erosion encountered during construction. Verify the specific locations with Engineer prior to placement.
52	2602-0000071	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	LF	360		This item is included for silt fence and silt fence for ditch check removal required for staging reasons, removal to allow for replacement (replacement to be paid separately), or for areas that have achieved 70% permanent growth. This item is included for silt fence and silt fence for ditch check removal. Remove silt fence and posts after mulching or vegetation is established and approved by the engineer.
53	2602-0000101	MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECK	LF	36		This item is included for clean-out and repair of "Silt Fence and Silt Fence for Ditch Checks" installed for the project.
54	2602-0000312	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	150		Refer to Tabulation 100-19 for additional information. Verify specific locations with Engineer prior to placement. Quantity includes an additional 10%. Silt Fence may be substituted at no cost to the Contracting authority at the discretion of the Engineer. Use Perimeter and Slope Sediment Control Devices fabricated using wood excelsior.
55	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE	LF	150		
56	2602-0000500	OPEN-THROAT CURB INTAKE SEDIMENT FILTER, EC-602	LF	20		Refer to Tabulation 100-36 for additional information.
57	2602-0000510	MAINTENANCE OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	2		
58	2602-0000520	REMOVAL OF OPEN-THROAT CURB INTAKE SEDIMENT FILTER	EACH	2		
59	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG	EACH	8		Refer to Tabulation 100-37 for additional information.
60	2602-0000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	8		
61	2602-0000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	8		

100-19
10-19-21

PERIMETER, SLOPE AND DITCH CHECK SEDIMENT CONTROL DEVICES

Possible Standards: EC-204

Location			Perimeter and Slope			Ditch Check		Remarks
Begin Station	End Station	Side	Length of Installation			Length of Installation		
			9 inch Dia	12 inch Dia	20 inch Dia	12 inch Dia	20 inch Dia	
			LF	LF	LF	LF	LF	
3+50.00	4+00.00	RT		50				Overburden removal
4+50.00	5+00.00	RT		50				Overburden removal
5+00.00	5+50.00	RT		50				Overburden removal
				150				TOTAL

100-17
04-20-10

TABULATION OF SILT FENCES

Refer to EC-201

Location			Length	Remarks
Begin Station	End Station	Side		
	117+00.00	RT	30.0	Guardrail
	117+50.00	LT	30.0	Guardrail
	119+25.00	RT	30.0	Guardrail
	119+25.00	LT	30.0	Guardrail
	157+25.00	RT	30.0	Guardrail
	157+25.00	LT	30.0	Guardrail
	159+50.00	RT	30.0	Guardrail
	159+50.00	LT	30.0	Guardrail
	315+25.00	RT	30.0	Guardrail
	315+75.00	LT	30.0	Guardrail
	316+75.00	RT	30.0	Guardrail
	317+25.00	LT	30.0	Guardrail
			360.0	TOTALS

100-36
10-16-18

OPEN-THROAT CURB INTAKE SEDIMENT FILTER

Possible Standard: EC-602

Location Station	Side	Installation	Maintenance	Removal	Remarks
		LF	EACH	EACH	
1096+60.00	LT	10.0	1	1	
1096+75.00	RT	10.0	1	1	
		20.0	2	2	TOTALS

100-37
04-18-17

GRATE INTAKE SEDIMENT FILTER BAG

Possible Detail: 570-7

Location Station	Side	Installation	Maintenance	Removal	Remarks
		EACH	EACH	EACH	
1+54.00	RT	1	1	1	
1+54.00	LT	1	1	1	
4+00.00	RT	1	1	1	
4+00.00	LT	1	1	1	
6+27.00	RT	1	1	1	
6+30.00	LT	1	1	1	
7+00.00	LT	1	1	1	
7+00.00	RT	1	1	1	
		8	8	8	TOTALS

102-5
04-18-17

Is this project number correct? It is the same as the current project. **EXISTING PAVEMENT**

No.	Location					Year	Type	Project Number	Surface		Base		Subbase		Removal		Coarse Aggregate			Reinforcement	Remarks			
	County	Route	Dir. of Travel	Begin Ref. Loc. Sign	End Ref. Loc. Sign				Type	Depth	Type	Depth	Type	Depth	Type	Depth	Type	Depth	Source			Type	Durability Class	Type
	Fayette	IA 188	B	13.99	14.15	2018	S	STPN-188-1(12)--2J-09	AAC	2	BAC	1												
						1995		STPN-188-1(12)--2J-12	AAC	2								Warnholtz		C. LST				
						1963		NA	BAC	3	CTB	6												
				14.15	14.7	1990			AAC	2														
						1977			BAC	2.5														
						1952			BAC	1	RSB	8												
				14.7	20.96	1990		FN-188-0(8)--21-09	AAC	2								Hunt		C. LST				
						1977		TQFS-188-0(4)--23-09	ASC		BAC	1.5	TBB	5				Fairbank		C. LST				
						1952		F-975(1)	BSC	1	RSB	8						Horton		C. LST				
				20.96	24.28	2004		MP-188-2(701)23--76-09	AAC	1.5	BAC	1.5						Tripoli-Platte		C. LST				
						1990		FN-188-0(8)--21-09	AAC	2								Hunt		C. LST				
						1977		TQFS-188-0(4)--23-09	ASC		BAC	1.5	TBB	3				Fairbank		C. LST				
						1952		F-975(1)	BSC	1	RSB	8						Horton		C. LST				

100-27
04-17-18

PROPOSED POSTED SPEED LIMIT

Road Identification	Begin Station	End Station	Proposed Posted Speed Limit			Remarks
			35 or less	40 - 45	over 45	
IA 188	1095+00.00	1100+00.00	X			
	+00.00	10+29.50	X			
	10+29.50	20+55.40		X		
	20+55.40	535+69.70			X	

102-16
10-21-14

NOTCHES AND RUNOUTS FOR RESURFACING

Refer to PR-201 and PR-202.

① Bid item. Applies only to Types 'N1' and 'N3' on PR-202. Refer to 100-25 for remaining values.

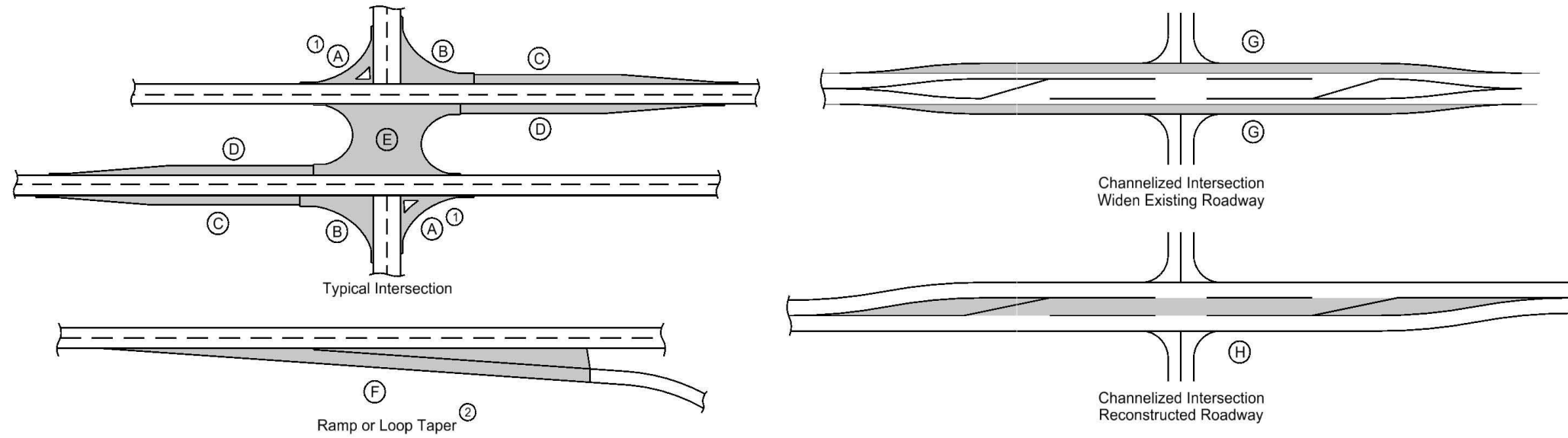
Location Station	Type of Notch or Runout	S	T	DI	L	M	Pavement Scarification	Remarks
		IN	IN	IN	FT	IN		
							SY	

102-14
04-18-17

PARTIAL DEPTH HMA OR PCC REPAIR PATCHES

Location						Type HMA or PCC	Dimension of Patch		Est. Quantities			Remarks
No.	Begin Station	End Station	Begin Reference Location Sign	End Reference Location Sign	Lane		Length	Width	PCC	HMA		
							FT	FT		SF	SY	

HMA PAVEMENT



- ① Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
- ② Refer to PV-410, PV-411, PV-412, and PV-414.
- ③ Quantity includes Pavement Header.

Calculations assume a surface course unit weight (lbs/cf) of 147, an intermediate course unit weight (lbs/cf) of 147, a base course unit weight (lbs/cf) of 145, and a special backfill unit weight (lbs/cf) of 140.

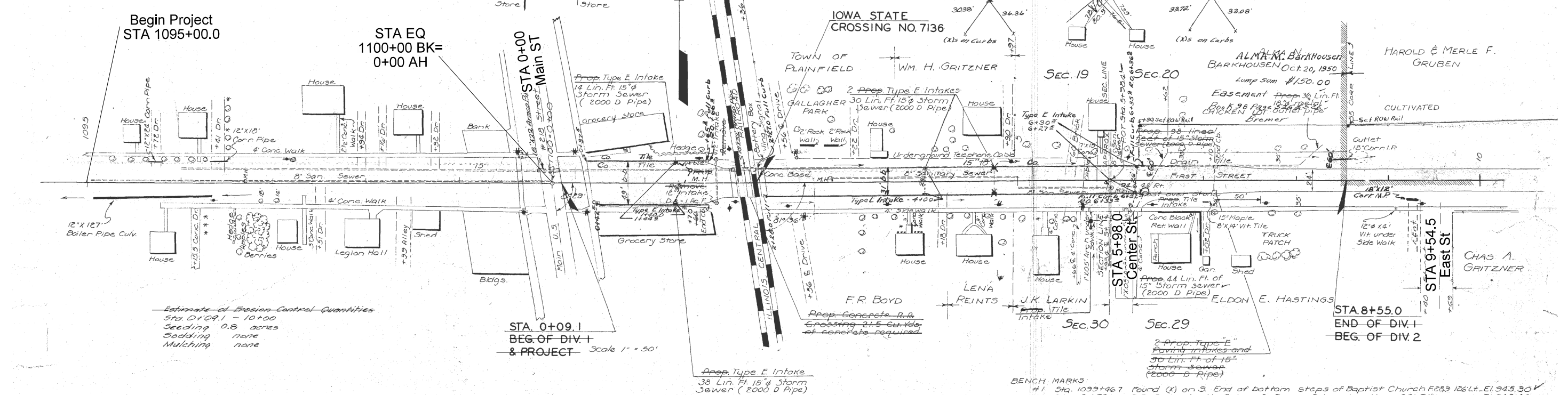
Road Identification	Direction of Travel	Location		Mainline			Area ③								Hot Mix Asphalt Pavement						Bid Items				Remarks					
		Station to Station		Width	Length	Area	A ①	B	C	D	E	F ②	G	H	Surface		Intermediate		Base		Surface	Intermediate	Base	Special Backfill		Modified Subbase	Granular Subbase	Pavement Scarification		
		FT	FT	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	SY	TONS	SY	TONS	SY	TONS	SY	TONS	TONS	TONS	TONS		CY	SY	SY		
IA 188	EB	1094+15.50	1096+70.50	40-44	255.0	1190.0																							1190.0	
		1096+70.50	1098+82.30	44.0	211.8	1035.5																							1035.5	
		1098+82.30	1099+59.30	44-48	77.0	393.6																							393.6	
		1099+59.30	1100+00.00	INT	40.7	213.5																							213.5	
STA EQ		1100+00.00	+00.00																											
		+00.00	+29.00	INT	29.0	146.8																							146.8	
		+29.00	1+29.00	46.0	100.0	511.1																							511.1	
Railroad		1+29.00	1+96.10	46-35.5	67.1	303.8																							303.8	
		1+96.10	2+31.40		35.3																									
		2+31.40	7+30.00	30.0	498.6	1662.0																							1662.0	
BRIDGE		7+30.00	29+65.00	24.0	2235.0	5960.0																							5960.0	
		29+65.00	33+26.40		361.4																									
STA EQ		33+26.40	32+08.10																											
		32+08.10	32+26.40		18.3																									
BRIDGE		32+26.70	41+27.50	24.0	900.8	2402.1																								2402.1
		41+27.50	47+23.50		596.0																									
BRIDGE		47+23.50	117+38.40	24.0	7014.9	18706.4																								18706.4
		117+38.40	118+71.60		133.2																									
BRIDGE		118+71.60	157+23.00	24.0	3851.4	10270.4																								10270.4
		157+23.00	159+73.00		250.0																									
BRIDGE		159+73.00	535+69.70	24.0	37596.7	100257.9																								100257.9
					54272.2	143053.1																								

Note: Record of establishment of highway from
 ESTABLISHED WIDTH OF the SW Cor. Sec. 19-T93-R14 to SE Cor. Sec. 19-T93-R12
 RIGHT OF WAY 66 FT. in G. Auditor's Road Record Book 71 Page 59
 No Width Given.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
5	IOWA	975 (1)		9	92

F.N. 975 Bit. Surf.

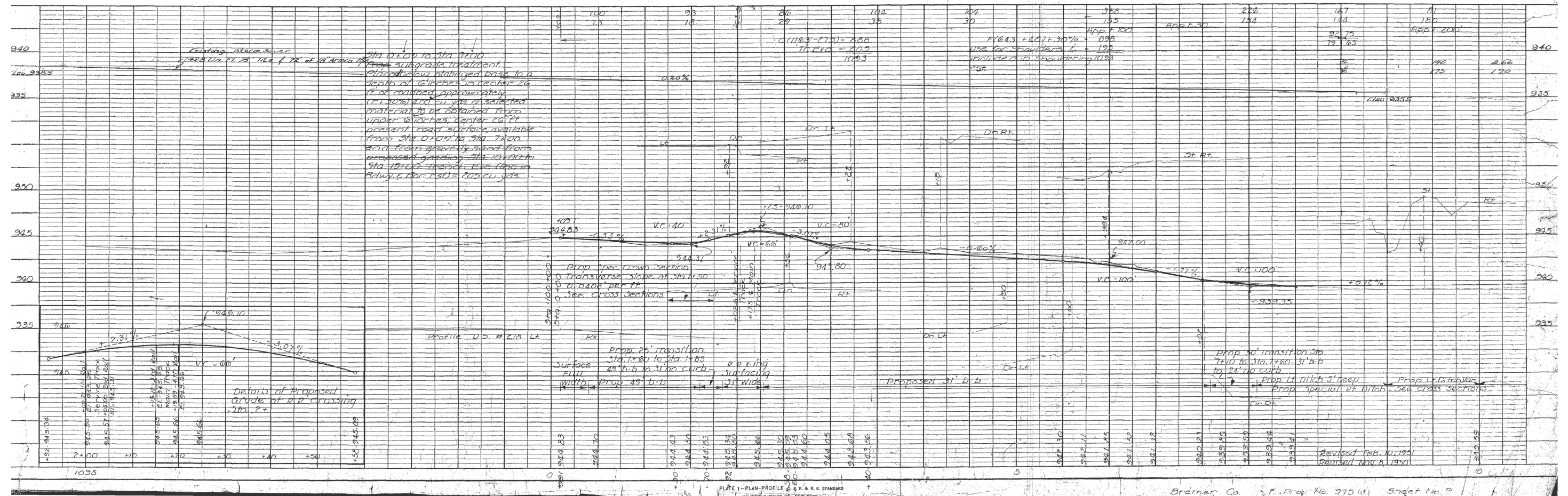
POLK TWP
 T-93N. R-14W.



Estimate of Erosion Control Quantities
 Sta 0+09.1 - 10+00
 Seeding 0.8 acres
 Sodding none
 Mulching none

STA. 0+09.1
 BEG. OF DIV. 1
 & PROJECT Scale 1" = 50'

BENCH MARKS
 #1 Sta 1099+467 Found (X) on S. End of bottom steps of Baptist Church F283 126' L. E1.945.90 V
 #2 Sta. 2+70 R.R. Spike in N. Side of Power Pole at alley 38' R. E1.943.94 V

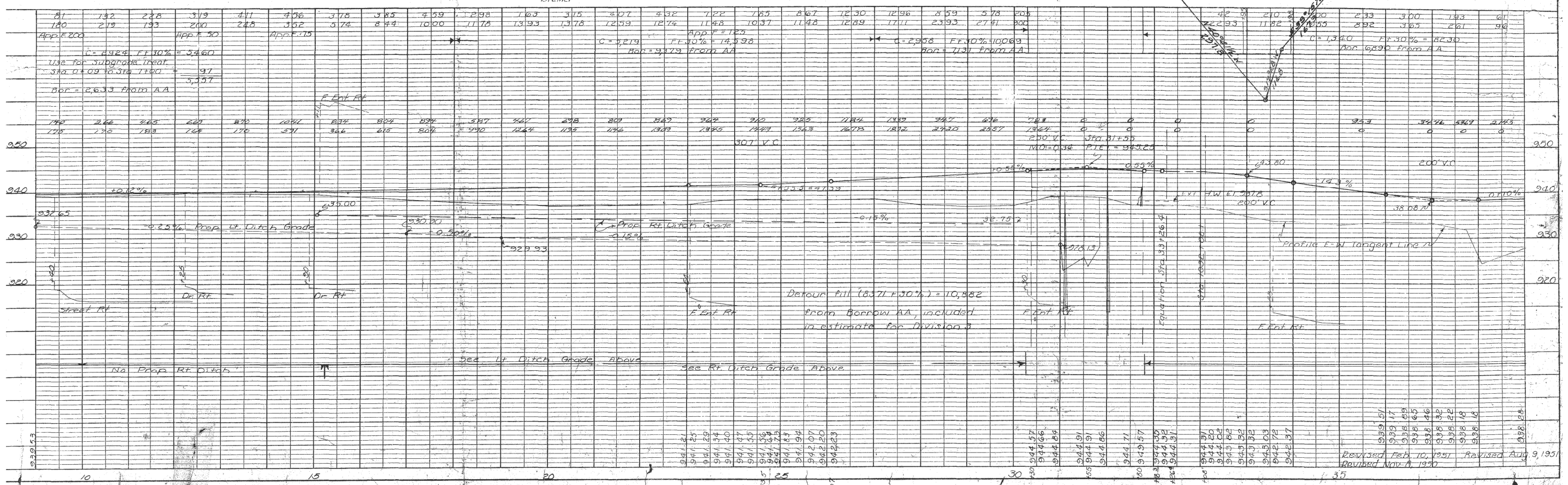
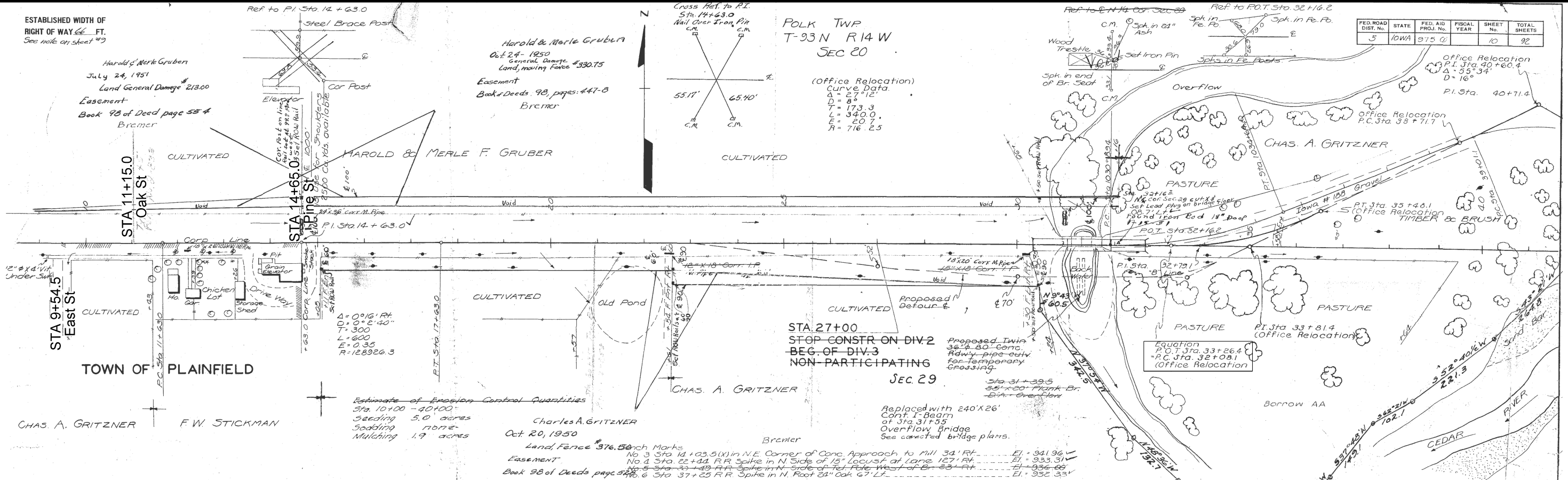


AS-BUILT PLANS, FOR INFORMATION ONLY

ESTABLISHED WIDTH OF RIGHT OF WAY 66 FT. See note on sheet #9

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
5	IOWA	975 (1)		10	92

POLK TWP
T-93N R14W
SEC 20



Revised Feb. 10, 1957 Revised Aug. 9, 1957
Revised Nov. 1, 1957

AS-BUILT PLANS, FOR INFORMATION ONLY

ESTABLISHED WIDTH OF RIGHT OF WAY 66 FT. STA. 42+30.6
 END OF DIV. 3
 NON-PARTICIPATING

POLK TWP
 T 93 N R 14 W

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IOWA	975(0)		11	92

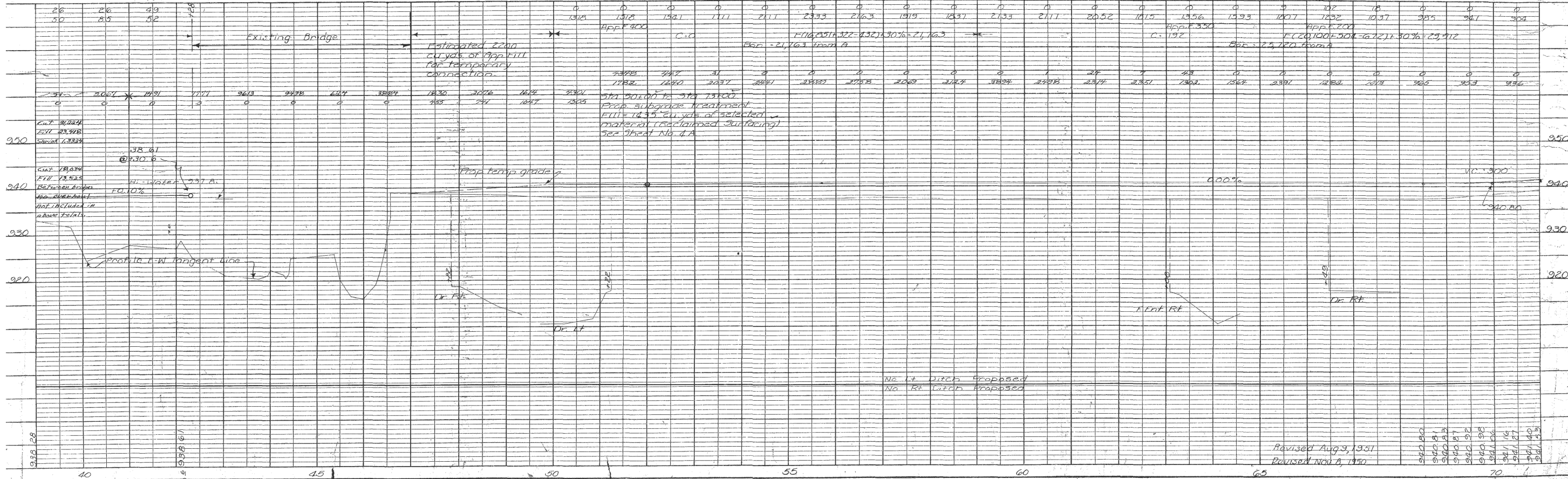
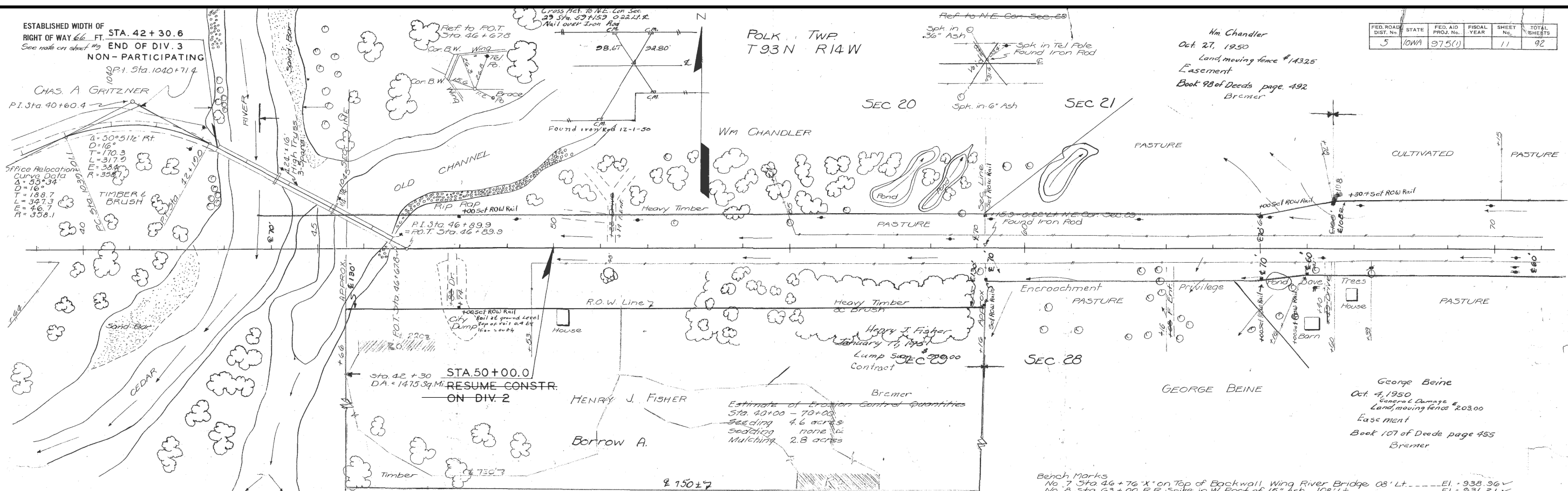


PLATE 1--PLAN-PROFILE O. P. R. & R. E. STANDARD

AS-BUILT PLANS, FOR INFORMATION ONLY

ESTABLISHED WIDTH OF RIGHT OF WAY 66 FT. See note on sheet #9

Cross Ref. to N4 1/4 Sec 28 Sta 70+00 to 70+14.92 Nail over Iron Pin Found Iron Rod 12" Deep 4-20-51

BERT & LILLIAN H. FISHER
SEPT. 28, 1950
Land, special damages \$10.00
Easement
Book 107, Deeds pages 463-464
Bremer

Cross Ref. to N4 1/4 Sec 28 Sta. 85+00 to 85+14.92 Nail over Iron Pin Found Con. Axle Spk. in D. on Spk. in 24" Oak 28" Boxeld 15' Spk. in Fe. Pa. Spk. in Con. Pa.

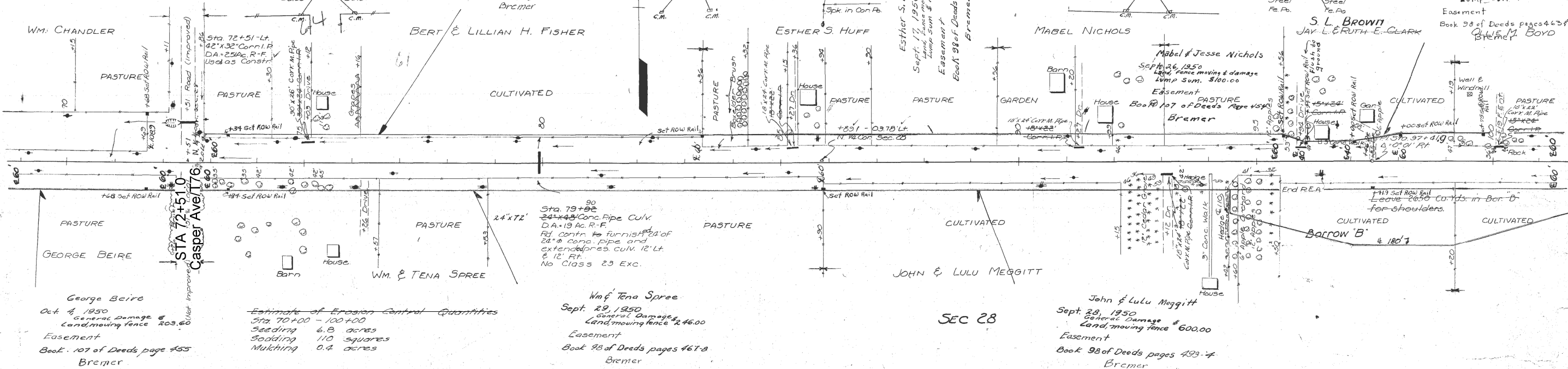
POLK TWP
T-93N. R-41W.
SEC 21

Cross Ref. to R1 Sta. 97+41.9 Nail over Iron Pin

Ref. to R1 Sta. 97+41.9

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IOWA	9750		12	92

S. L. & Agnes Brown
Oct 4, 1950
Lump Sum \$100.00
Easement
Book 98 of Deeds pages 463-464
Bremer



Estimate of Erosion Control Quantities
Sta 70+00 - 100+00
Seeding 6.8 acres
Sodding 110 squares
Mulching 0.4 acres

Wm & Tena Spree
Sept. 29, 1950
General Damage
Land, moving fence \$2,460.00
Easement
Book 98 of Deeds pages 467-8
Bremer

John & Lulu Meggitt
Sept. 28, 1950
General Damage \$600.00
Land, moving fence
Easement
Book 98 of Deeds pages 493-4
Bremer

BENCH MARKS:
#9 Sta 72+23 RR Spike in So. Side of Power Pole 100' Lt. El. 935.76
#10 Sta 85+20 RR Spike in No. Side - 18' Boxelder - 62' Lt. El. 946.57
#11 Sta 90+29 RR Spike in So. Side - 20' Boxelder - 36' Lt. El. 946.57
#10A Sta 85+78 RR Spike in So. Side of 18' Oak 81' Lt. El. 946.19

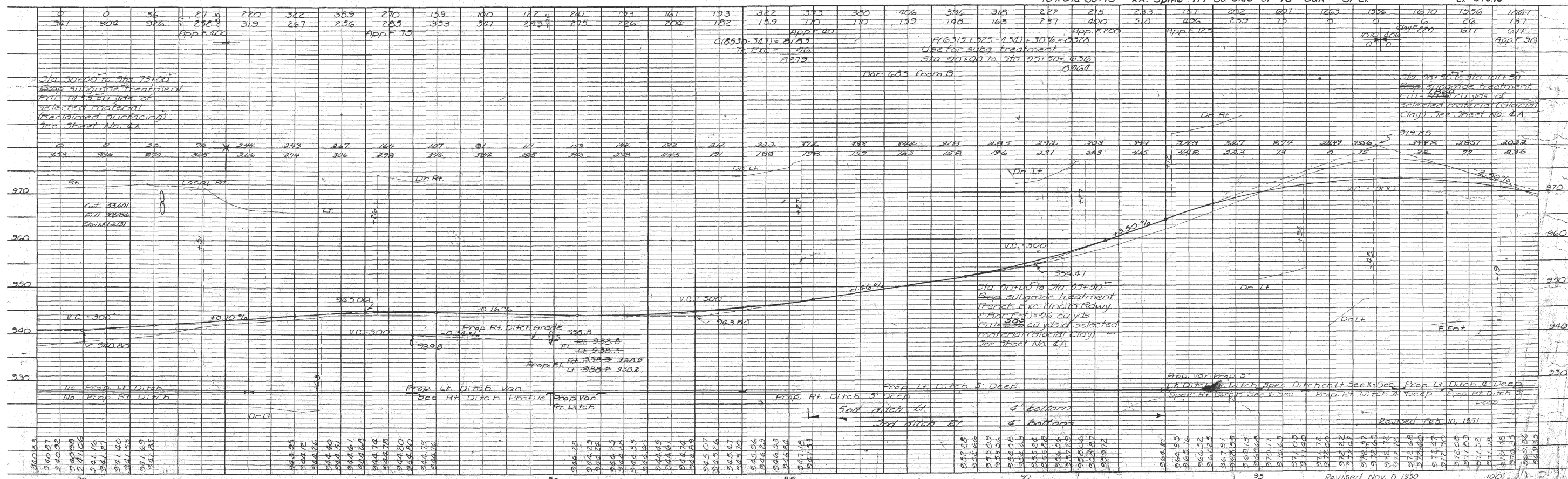


PLATE PLAN-PROFILE O. P. & R. E. STANDARD

Revised Nov. 8, 1950
Bremer Co., F. Proj. No. 975.04 Sh. No. 12

AS-BUILT PLANS, FOR INFORMATION ONLY

ESTABLISHED WIDTH OF RIGHT OF WAY 66 FT. See note on sheet #9

Cross Ref to N.E. Cor. Sec. 28 Sta. 112+57.8 1.76' Lt. of E. Set Nail over Iron Rod 18" Deep 119.30

Ref. to N.E. Cor. Sec. 28

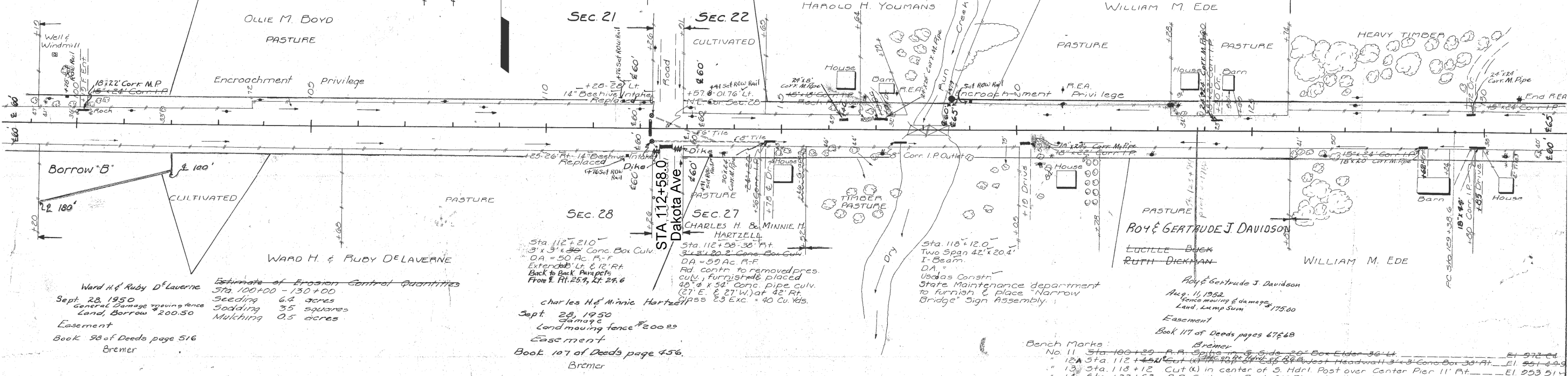
POLK TWP T 23N R. 14W

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
5	IOWA	975(0)		13	92

Ollie M. Boyd
Sept. 26, 1950
Land moving fence \$153.00
Easement
Book 98 of Deeds page 483
Bremer

Harold H. & Margrete Youmans
Sept. 27, 1950
Damage
Land moving fence \$100.00
Easement
Book 107 of Deeds page 457
Bremer

William M. Ede
Oct. 4, 1950
Damage
Land moving fence \$648.05
Easement
Book 107 of Deeds page 453
Bremer



Ward H. & Ruby DeLaverne
Sept. 28, 1950
General Damage moving fence
Land, Borrow 200.50
Easement
Book 98 of Deeds page 516
Bremer

Estimate of Erosion Control Quantities
Sta. 100+00 - 130+00
Seeding 6.4 acres
Sodding 35 squares
Mulching 0.5 acres

Charles H. & Minnie H. Hartzell
Sept. 28, 1950
Damage
Land moving fence \$200.25
Easement
Book 107 of Deeds page 456
Bremer

Bench Marks:
No. 11 Sta. 100+29 R.F. Spike in S. Side 20" Box Elder 36.44' El. 972.21
" 12A Sta. 112+57.8 1.76' Lt. of E. Set Nail over Iron Rod 18" Deep 119.30' El. 951.29
" 13 Sta. 118+12 Cut (X) in center of S. Hdrl. Post over Center Pier 11' Ft. El. 953.51
" 14 Sta. 122+02 R.F. Spike in Root 20' Elm at edge of Grove 94' Lt. El. 953.22

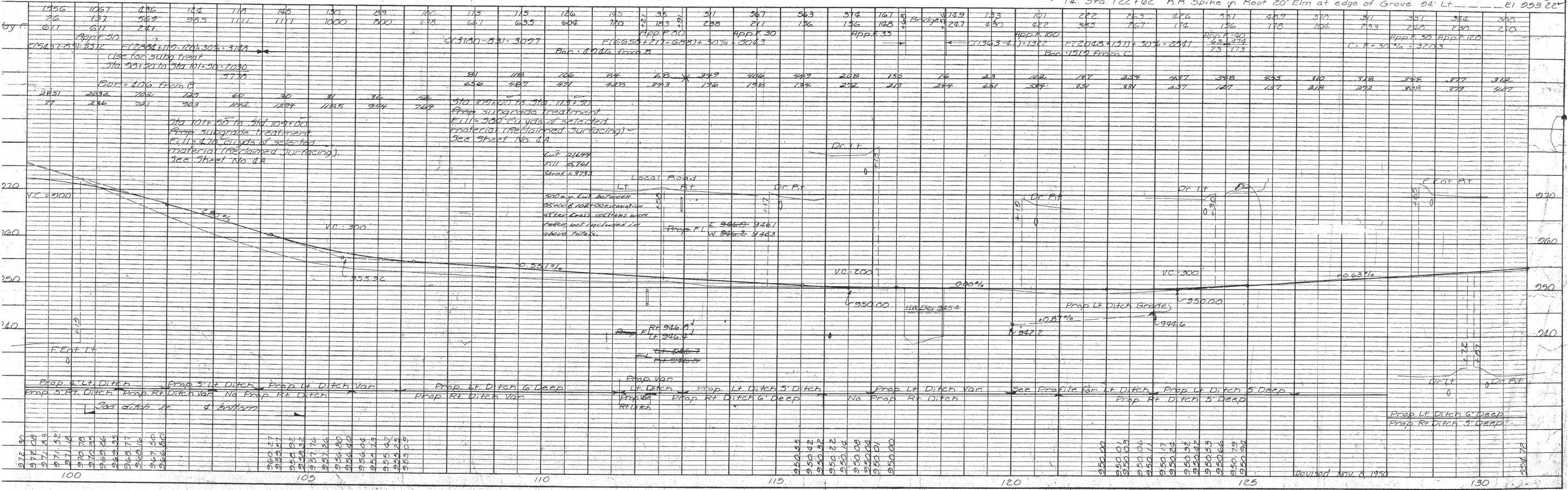
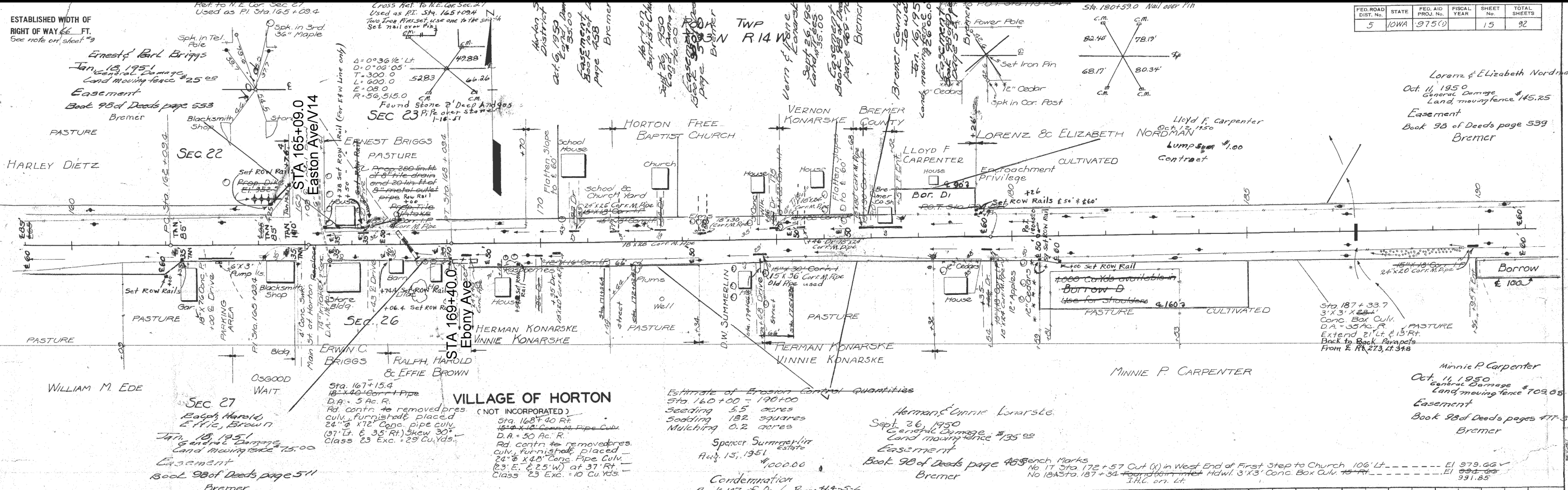


PLATE 1 - PLAN-PROFILE O. P. R. & E. STANDARD
KUEPFL & ESSER CO., NEW YORK

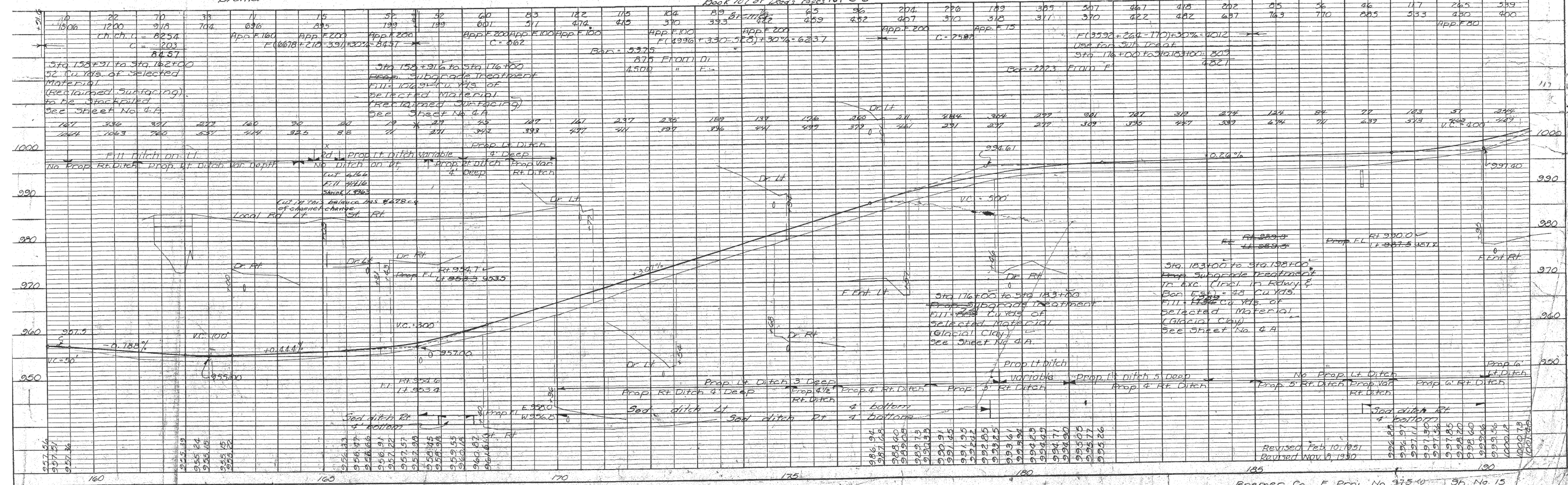
Bremer Co. F. Proj. No. 975(0), Sh. No. 13

AS-BUILT PLANS, FOR INFORMATION ONLY



Estimate of Erosion Control Quantities
 Sta. 160+00 - 190+00
 Seeding 5.5 acres
 Sodding 182 squares
 Mulching 0.2 acres

Spencer Summerlin Estate
 Aug. 15, 1951
 \$4,000.00
 Condemnation
 Book 107 of Deeds, Pages 44-5-6



See notes on sheet 109
ESTABLISHED WIDTH OF
RIGHT OF WAY 66 FT.

Ref. to N 1/4
Cor. Sec. 26

POLK TWP.
T-93N. R-14W.

Cross Ref. to P.O.T.
Sta. 200+13.9 Nail over Pin

Cross Ref. to N.E. Cor. Sec. 26
Sta. 218+11.4 9.7' Lt. of E.
Set Nail over Iron Rod

Ref. to N.E. Cor. Sec. 26
097' Lt. Sta. 218+11.4
Ref. to P.O.T.
Sta. 218+12.9

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
5	IOWA	975(0)		16	92

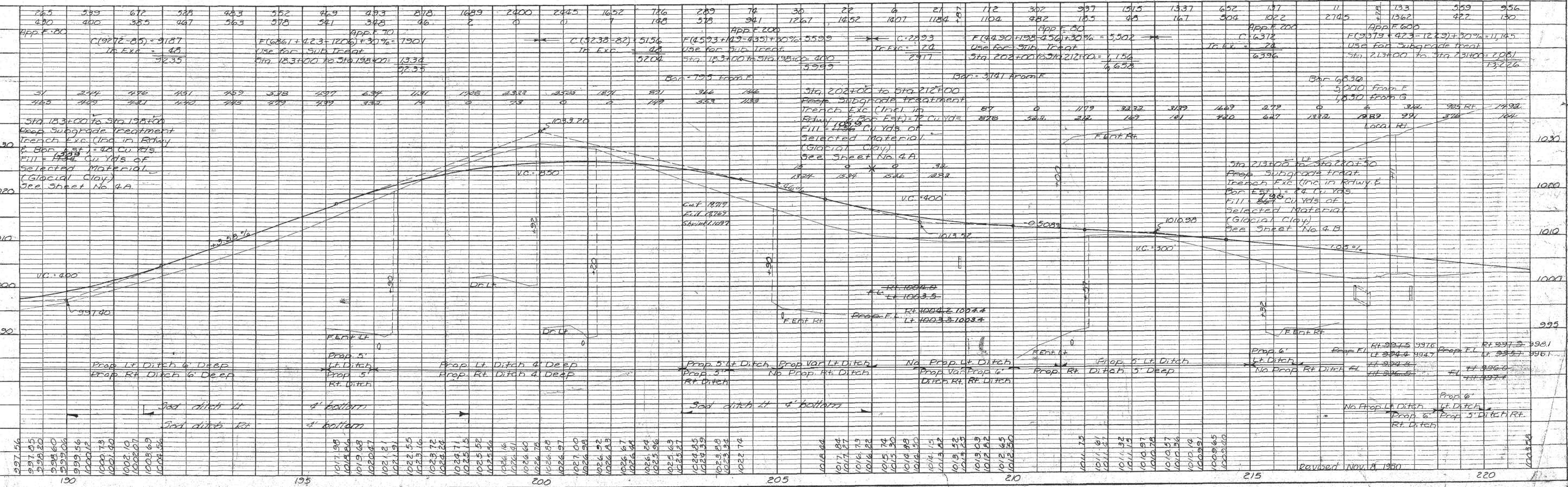
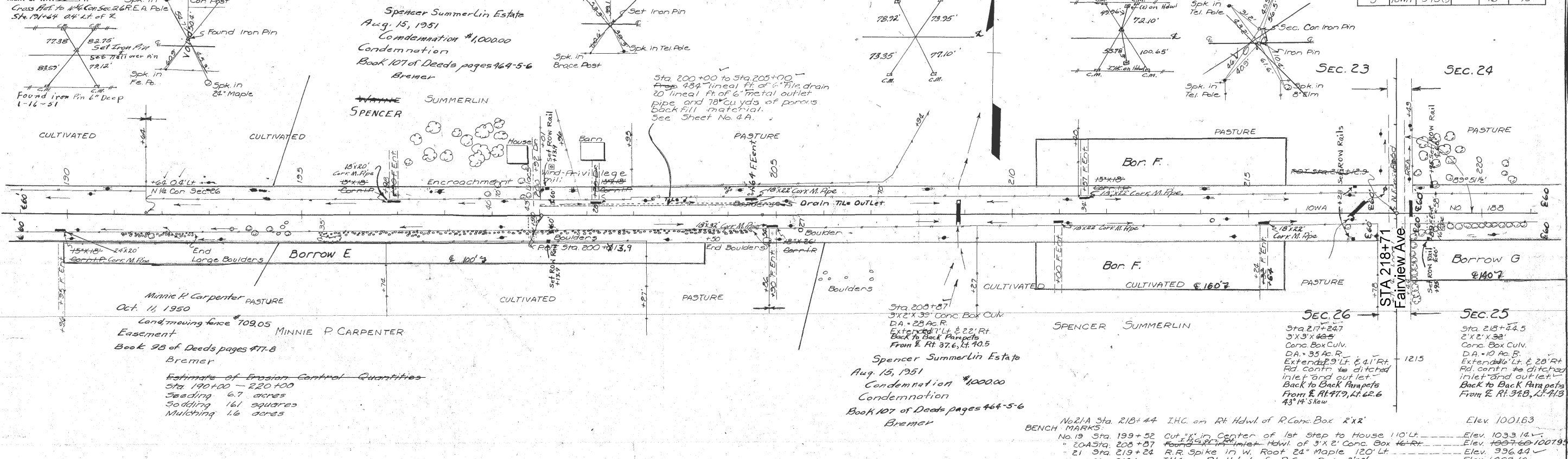


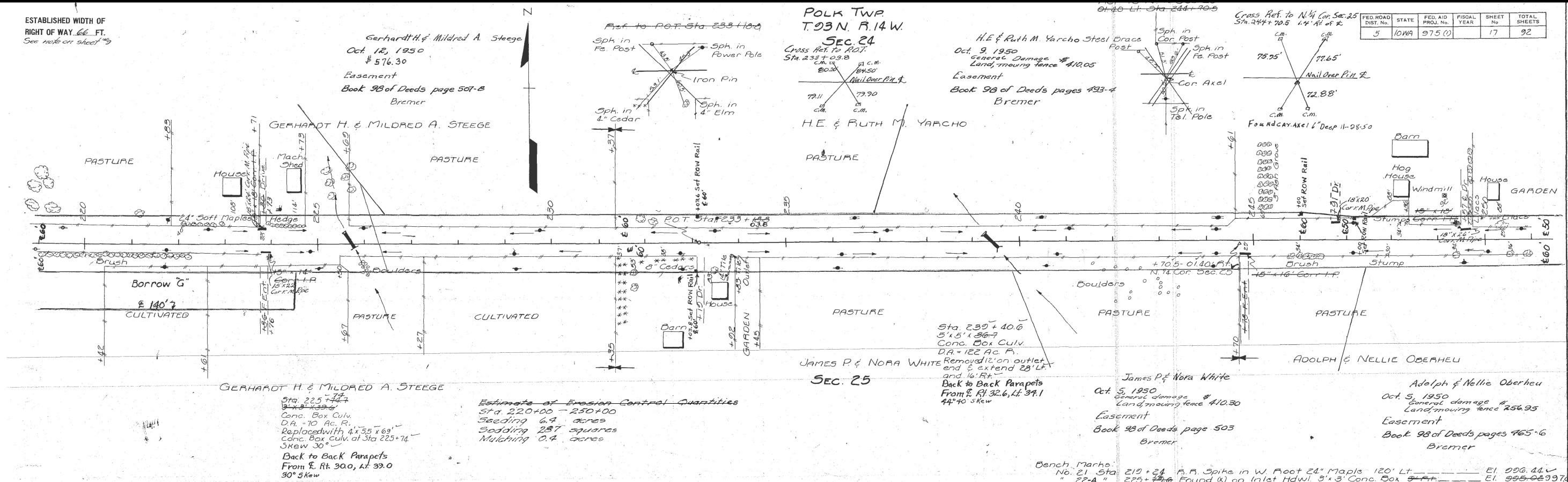
PLATE 1-PLAN-PROFILE O.P.R. & R.E. STANDARD

Bremer Co. F. Proj. No. 975(0) Sta. No. 16

AS-BUILT PLANS, FOR INFORMATION ONLY

ESTABLISHED WIDTH OF RIGHT OF WAY 66 FT. See note on sheet #3

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
5	IOWA	975 (1)		17	92



Estimate of Erosion Control Quantities
 Sta. 220+00 - 250+00
 Seeding 6.9 acres
 Sodding 287 squares
 Mulching 0.4 acres

Sta. 225+44.2
 Conc. Box Culv.
 D.A. = 10 Ac. R.
 Replaced with 4x35x69
 Conc. Box Culv. at Sta. 225+74
 Skew 30°
 Back to Back Parapets
 From E. Rt. 300, Lt. 39.0
 90° Skew

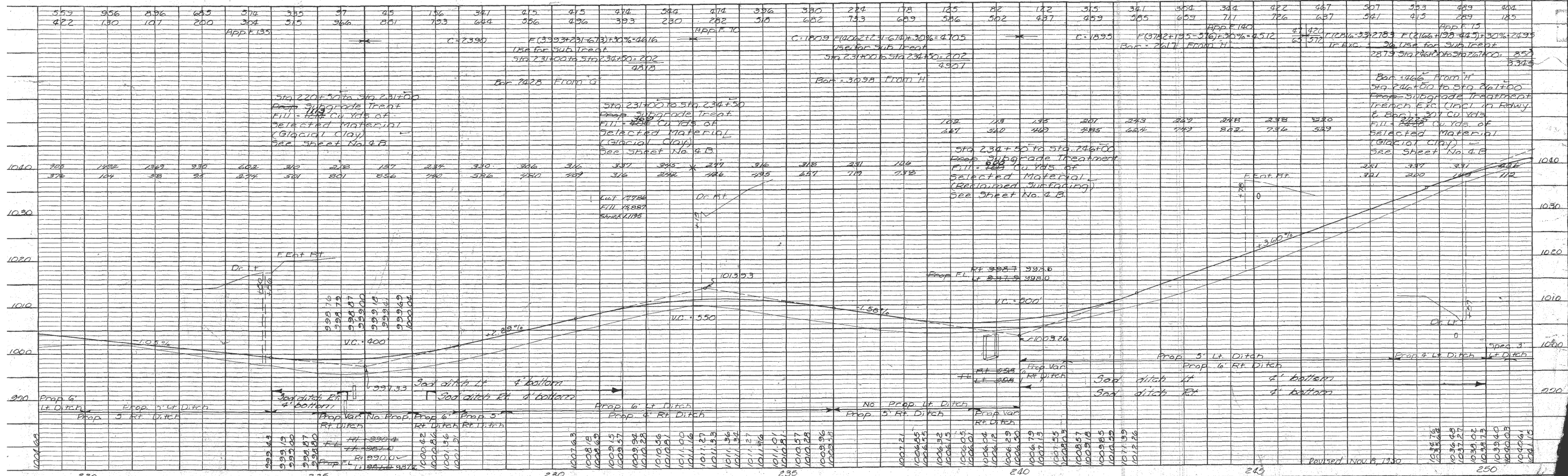
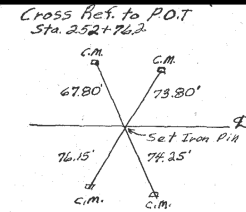
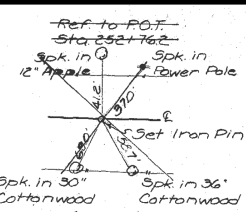


PLATE 11 - PLAN-PROFILE O. P. & R. E. STANDARD

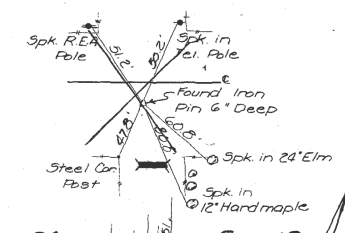
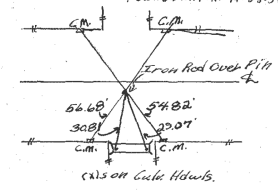
Bremers Co. F. Proj. No. 975 (1) Sh. No. 17

AS-BUILT PLANS, FOR INFORMATION ONLY

ESTABLISHED WIDTH OF RIGHT OF WAY 66 FT. See note on sheet #9



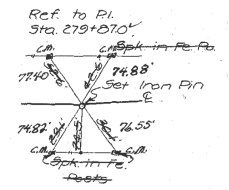
POLK TWP. T-93N. R-14W. Cross Ref. to N.E. Cor. Sec. 25 Sta. 271+17.8 17.0' 1648' FOUND IRON PIN 11-28-50



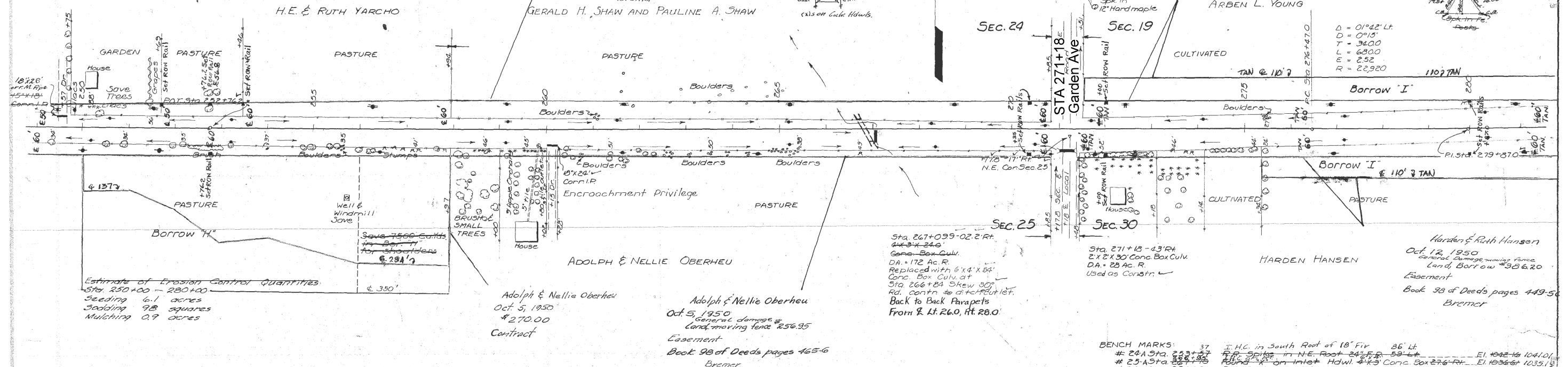
DOUGLAS TWR T-93N. R-13W. Arben L. Young

Oct. 12, 1950 Moving fence Land, Borrow #361.75 Easement Book 98 of Deeds pages 433-4 Bremer ARBEN L. YOUNG

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
5	IOWA	975(0)		18	92



D = 01°42' Lt.
D = 0°15'
T = 34.00
L = 68.00
E = 2.52
R = 22,920



Estimate of Erosion Control Quantities
Sta. 250+00 - 280+00
Seeding 6.1 acres
Spooling 98 squares
Mulching 0.9 acres

Adolph & Nellie Oberheu
Oct. 5, 1950
\$270.00
Contract

Adolph & Nellie Oberheu
Oct. 5, 1950
General damage & Land, moving fence \$256.95
Easement
Book 98 of Deeds pages 465-6
Bremer

Sta. 267+09.9 - 02.2 R.P.
44' x 4' 24.0'
Conc. Box Culv.
DA = 172 Ac. R.
Replaced with 6' x 4' x 8'
Conc. Box Culv. at
Sta. 266+84 Shew 30'
Rd. contr. to ditch outlet.
Back to Back Parapets
From R. Lt. 26.0, Rt. 28.0.

BENCH MARKS:
24A Sta. 288+27 I.H.C. in South Root of 18" Fir 86' Lt.
25A Sta. 288+85 R.R. Spike in N.E. Root 24" Fir 53' Lt.
26 Sta. 289+85 R.R. Spike on Inlet Hdw. #3 Conc. Box 276' R.R. E.I. 10366' 10351'
R.R. Spike in N. Side of Power Pole 45' Lt. E.I. 10378'

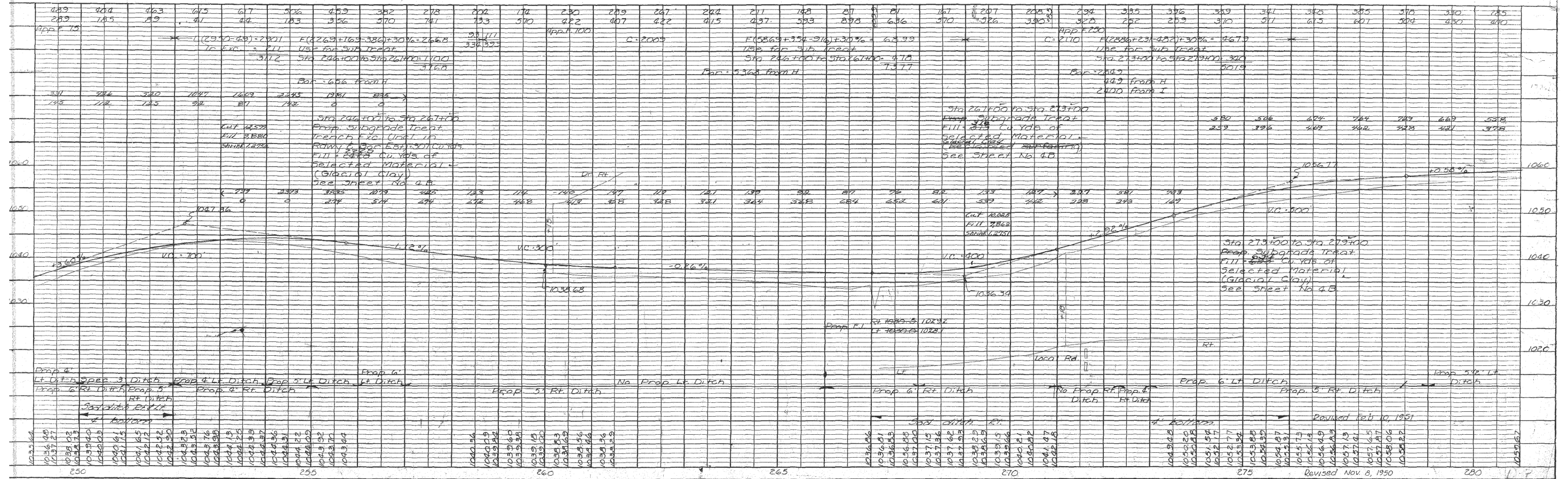


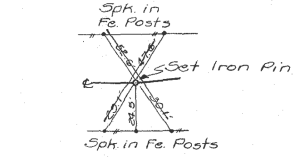
PLATE 1 - PLAN-PROFILE O.P.R. & E. STANDARD

Bremer Co. F. Proj. No. 975(0) 5th No. 18

AS-BUILT PLANS, FOR INFORMATION ONLY

DOUGLAS TWP. T. 93N. R. 13W. SEC. 10

ESTABLISHED WIDTH OF RIGHT OF WAY 66 FT.
Sec note on sheet 109
Ref to P.I. Sta. 270+87.0



Δ = 0.42'
D = 0.15' Lt.
T = 3400
L = 6300
R = 252
A = 22,9200

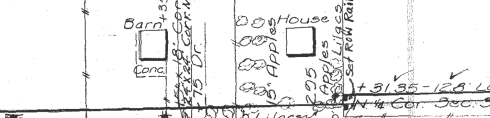
ARLEN L. YOUNG

B.F. & Gertrude Dickmann
May 1, 1951
moving fence General Damage
Land Borrow #334.00
Easement
Book 98 of Deeds page 515
Bremer

B.F. & GERTRUDE DICKMAN
CULTIVATED

SEC. 10
Cross Ref to N 1/4 Cor. Sec. 30
Sta. 295+31.35 13.8 Lt. of R.
Found iron pipe 6" Deep 2-3-51
Set Iron Pin

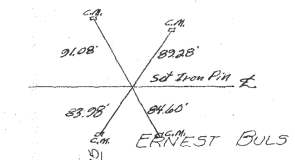
MARTHA M. DREIER



PASTURE

Ref to N 1/4 Cor. Sec. 30
Ref to P.O.T. Sta. 298+07.8

Cross Ref to P.O.T. Sta. 298+07.8



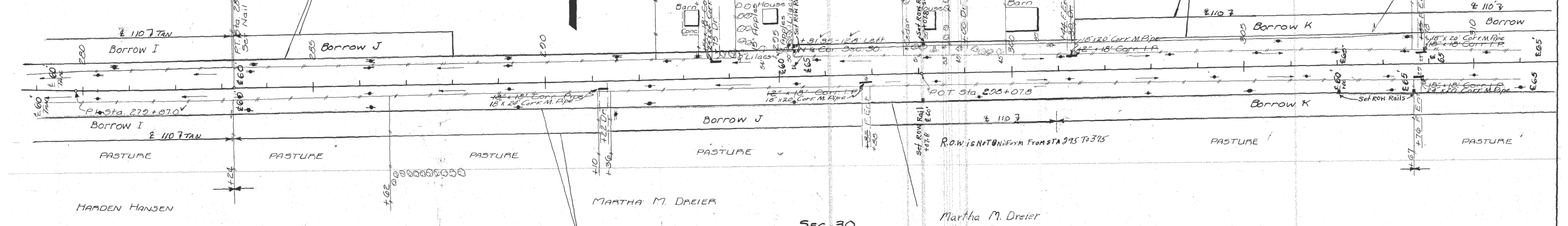
ERNEST BULS

Ernst & Clara Buls
Oct. 19, 1950
moving fence General & Special damage
Land Borrow #637.65
Easement
Book 107 of Deeds pages 430-4
Bremer

Ernst & Clara Buls
Oct. 19, 1950
Easement
Book 117 of Deeds Page 149
Bremer

CULTIVATED

CULTIVATED



HARDEN HANSEN

Estimate of Erosion Control Quantities
Sta. 280+00 - 310+00
Seeding 6.8 acres
Sodding none
Mulching none

Martha M. Dreier
Oct. 11, 1950
moving fence
Land, Borrow #934.20
Easement
Book 98 of Deeds page 514
Bremer

SEC. 30

Martha M. Dreier
Oct. 11, 1950
Easement
Book 117 of Deeds Page 149
Bremer

Bench Marks:
No. 26 Sta. 290+85 P.A. Spike in N Side of Power Pole 45' Lt. El. 1057.62
27- " 293+25 Cut W in Center of 1st Conc. Step to House 97' Lt. El. 1072.23 V

330	285	296	330	326	304	278	284	196	156	159	102	226	212	208	311	313	304	300	406	310	307	282	353	318	336	411	412	416	526	563	387
430	400	370	363	378	402	373	373	415	459	511	674	APP. 100	452	452	452	430	385	373	370	424	533	526	304	456	489	462	482	452	415	415	422
		C = 3700		F(3268+401-72) ÷ 30% = 64.31						C = 3032		APP. 100		APP. 100		APP. 100		APP. 100		APP. 100		APP. 100		APP. 100		APP. 100		APP. 100		APP. 100	
				F(3268+401-72) ÷ 30% = 64.31								F(3032+363-328) ÷ 30% = 64.09										C = 6092				F(6743+462-72) ÷ 30% = 22.31				F(415+415-72) ÷ 30% = 22.31	
				USE FOR SUB. TREAT.								USE FOR SUB. TREAT.														USE FOR SUB. TREAT.				USE FOR SUB. TREAT.	
				Sta. 279+00 to Sta. 279+00 = 353								Sta. 312+00 to Sta. 312+00 = 435														Sta. 312+00 to Sta. 312+00 = 1178				Sta. 312+00 to Sta. 312+00 = 9609	
				Bar. 3084								Bar. 3152																Bar. 3517		Bar. 3517	
				2000 From J								2152 From J																		2000 From J	
				1084								1084																		1084	
1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	1070	
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PLATE 1 - PLAN - PROFILE O. P. R. & E. STANDARD

Bremer Co. F. Proj. No. 975(0) Sh. No. 19

AS-BUILT PLANS, FOR INFORMATION ONLY

ESTABLISHED WIDTH OF RIGHT OF WAY 66 FT. See note on sheet #9

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
5	IOWA	975(0)		20	92

DOUGLAS TWP
T-93N. R-13W.

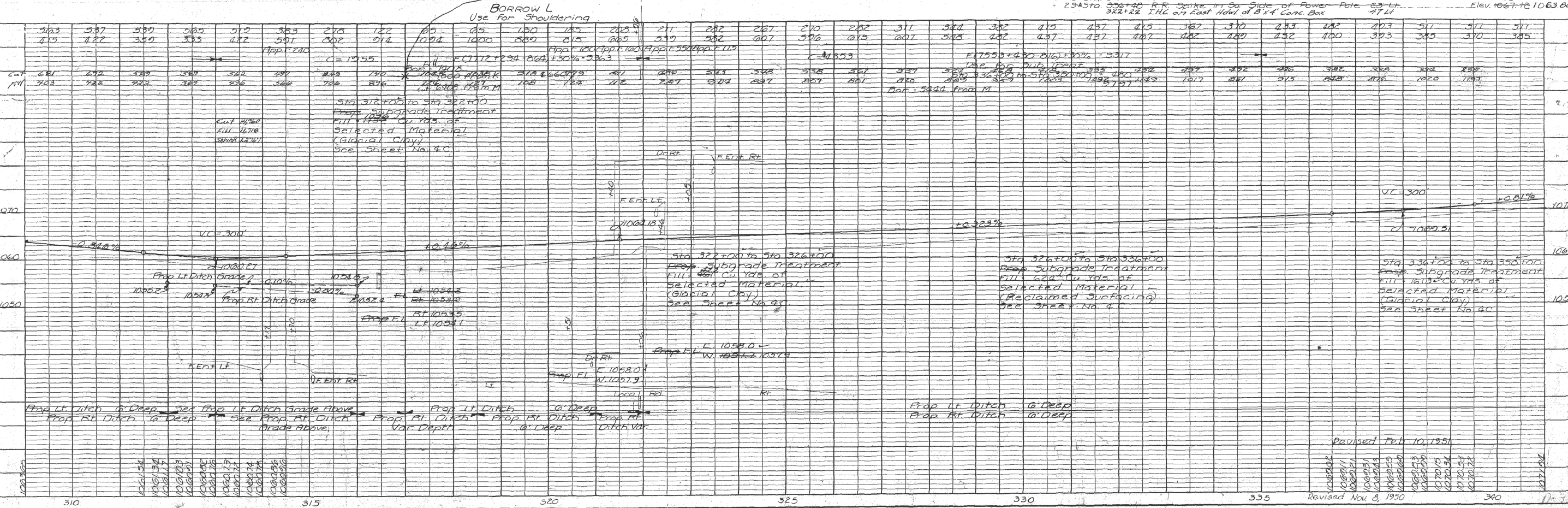
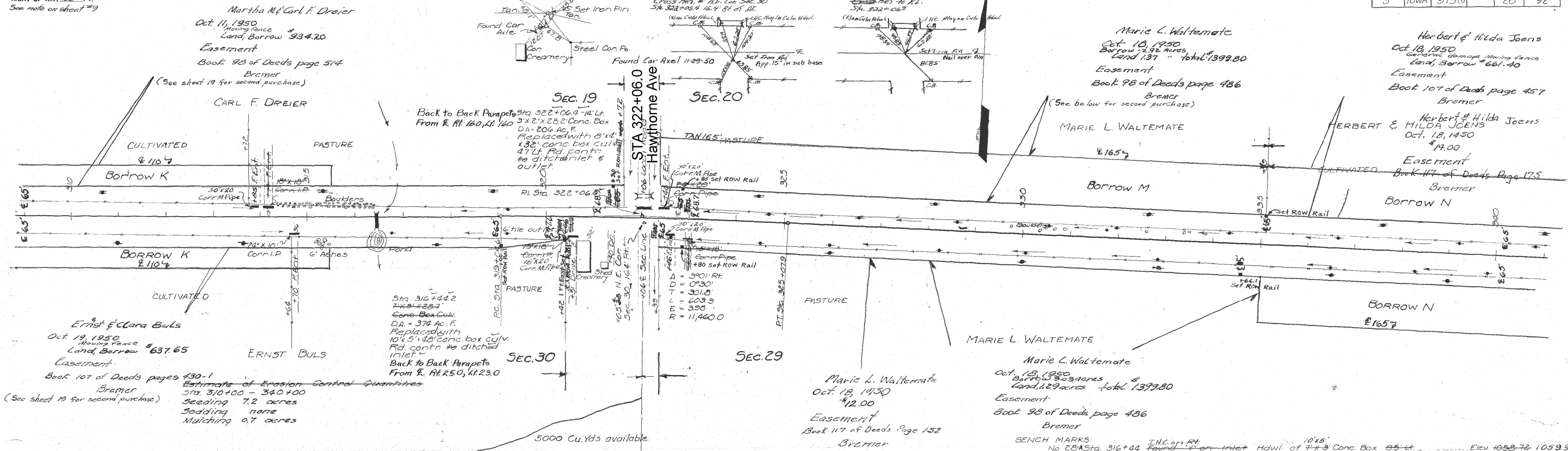


PLATE 1-PLAN-PROFILE O.P.R. & R.E. STANDARD

Bremers Co. F. Proj. No. 975 (0) Sh. No. 20

AS-BUILT PLANS, FOR INFORMATION ONLY

ESTABLISHED WIDTH OF RIGHT OF WAY 66 FT. See note on sheet 209

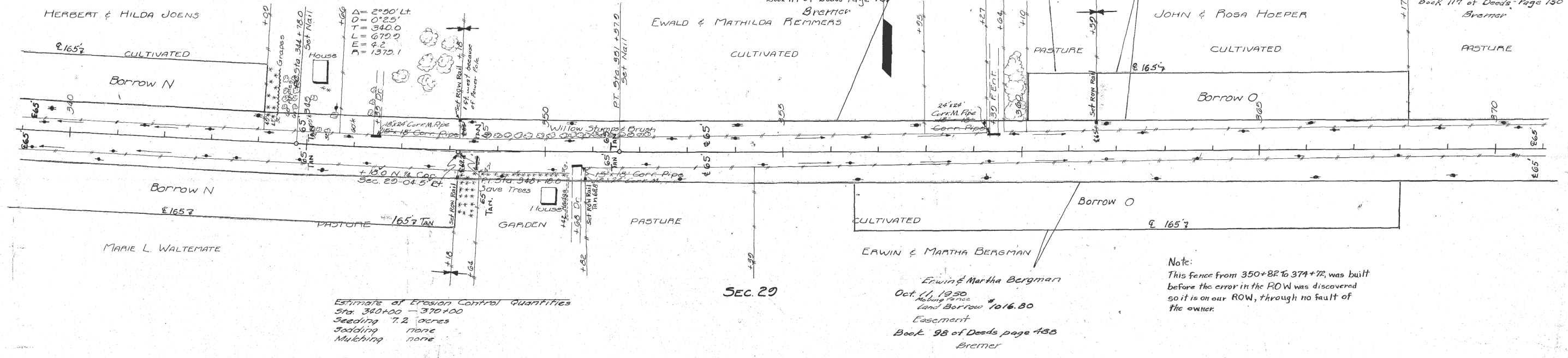
Cross Ref. to N 1/4 Cor. Sec. 29 Sta. 348+19.5 04.5' At Sta. 340+18.0

Set to N 1/4 Cor. Sec. 29 04.5' At Sta. 340+18.0

Ref. to Pt. 519-348+18.0

DOUGLAS TWP T.93N. R.13W. SEC. 20

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IOWA	975(U)		21	92



Estimate of Erosion Control Quantities
Sta. 340+00 - 370+00
Seeding 7.2 acres
Soil seeding none
Mulching none

Bench Marks:
25 Center of First Concrete House 105 ft
No. 30A Sta. 330+85 P.P. Spike in So. Side Tel. Pole 37+84 E.I. 1074.47 1074.64

340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370
1070.53	1070.72	1070.91	1071.10	1071.29	1071.48	1071.67	1071.86	1072.05	1072.24	1072.43	1072.62	1072.81	1073.00	1073.19	1073.38	1073.57	1073.76	1073.95	1074.14	1074.33	1074.52	1074.71	1074.90	1075.09	1075.28	1075.47	1075.66	1075.85	1076.04	1076.23

PLATE 1 - PLAN - PROFILE OF P. & R. E. STANDARD
Bremer Co. F. Proj. No. 975(U) Sh. No. 21

AS-BUILT PLANS, FOR INFORMATION ONLY

ESTABLISHED WIDTH OF Sec note on sheet 19
RIGHT OF WAY 66 FT.
Cross Ref. to N.E. Cor. Sec. 29
Sta. 375+04.6 23.5' LT of R

DOUGLAS TWP
T93 N R13W

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
5	IOWA	975(1)		22	92

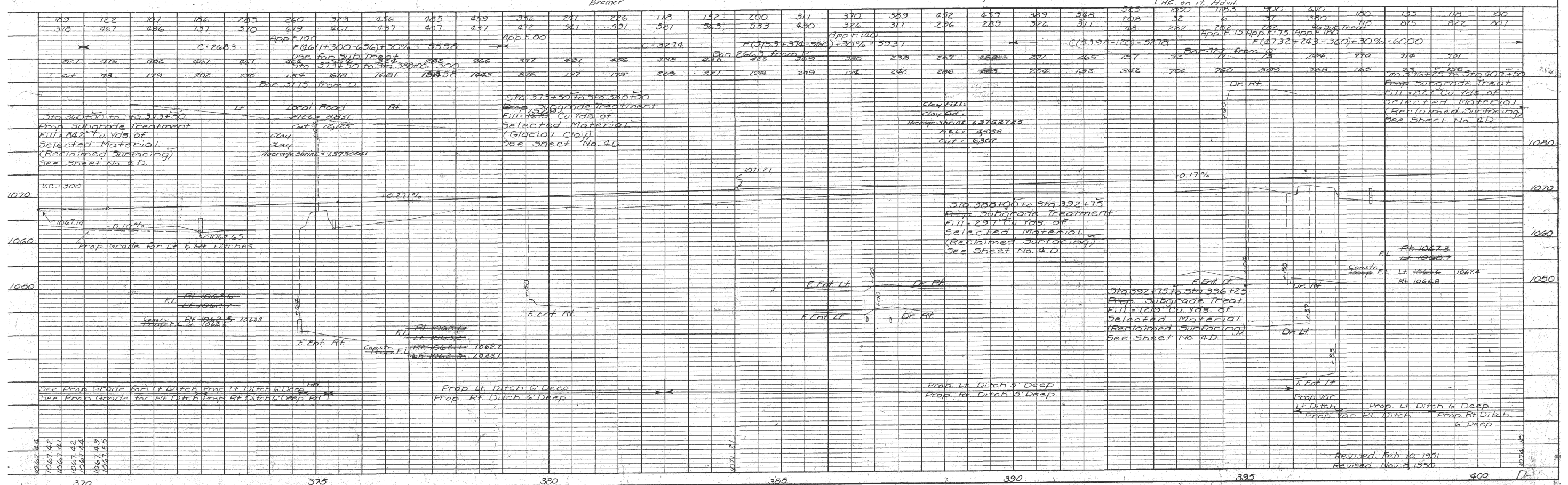
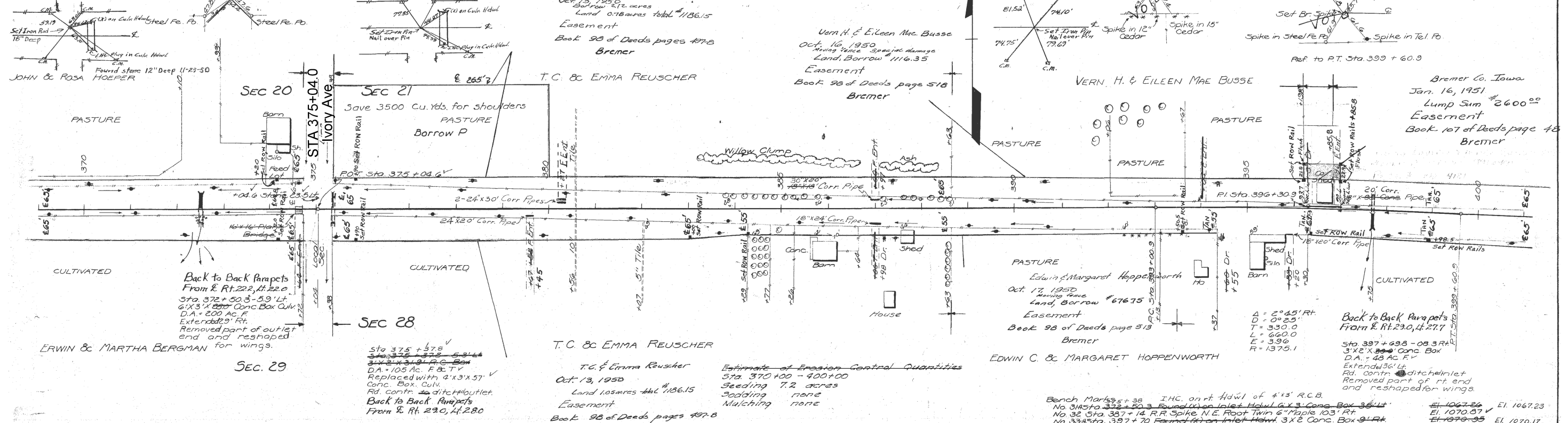


PLATE 1 - PLAN-PROFILE O. P. & R. E. STANDARD

Bremer Co. F. Proj. No. 975(1) Sh. No. 22

AS-BUILT PLANS, FOR INFORMATION ONLY

ESTABLISHED WIDTH OF RIGHT OF WAY 66 FT. See note on sheet 119

Cross Ref. to N 1/4 Cor. Sec. 28 Sta. 442+50.3 154' R of C

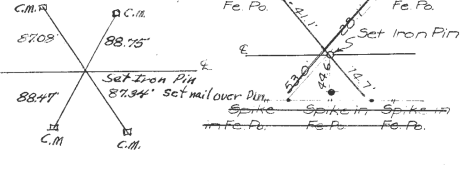
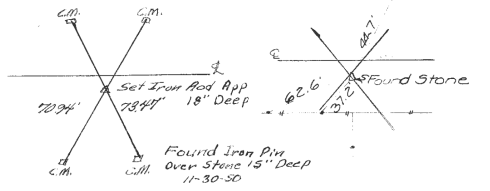
Ret. to the Corner Sec. 28 44+71 Sta. 402+58.3

Cross Ref. to P.O.T. Sta. 412+56.3

DOUGLAS TWP. T-93 N. R-13 W.

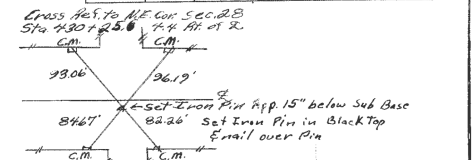
Ref. to P.O.T. Sta. 430+26.3 NE-Cor. Sec. 28 44+71

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
5	OWA	F-075		23	92



Edwin & Margaret Hoppenworth
Oct. 16, 1950
Land Borrow # 676.75
Easement
Book 28 of Deeds page 513
Bremer

Fred & Hulda Shellhorn
Oct. 17, 1920
Land, mining lease # 308.00
Easement
Book 107 of Deeds page 433
Bremer



Found Iron Pin 4-18-51
SEC. 21

Sta. 430+26.3 32' Lt.
24x30 Cor. Pipe Curb
D.A. 48 Ac. F.
Rd. contr. to remove res. cul., furnish placed 30' x 24' corr. pipe cul. (20' x 24' at 41' Lt. Ditch) inlet & outlet.
Class 23 Exc. -27 Cu Yds.
SEC. 27

SEC. 28
Sta. 430+26.3 36' Rt.
24x30 Cor. Pipe
D.A. 16 Ac. F.
Rd. contr. to remove res. cul., furnish placed 24' x 36' corr. pipe cul. (24' x 36' at 41' Lt. Ditch) inlet and outlet.
Class 23 Exc. -27 Cu Yds.
SEC. 27

Estimate of Erosion Control Quantities
Sta. 400+00 - 430+00
Seeding 7.4 acres
Sodding none
Mulching none

Verne H. & Eileen Busse
Oct. 16, 1950
Land Borrow # 1116.35
Easement
Book 28 of Deeds page 513
Bremer

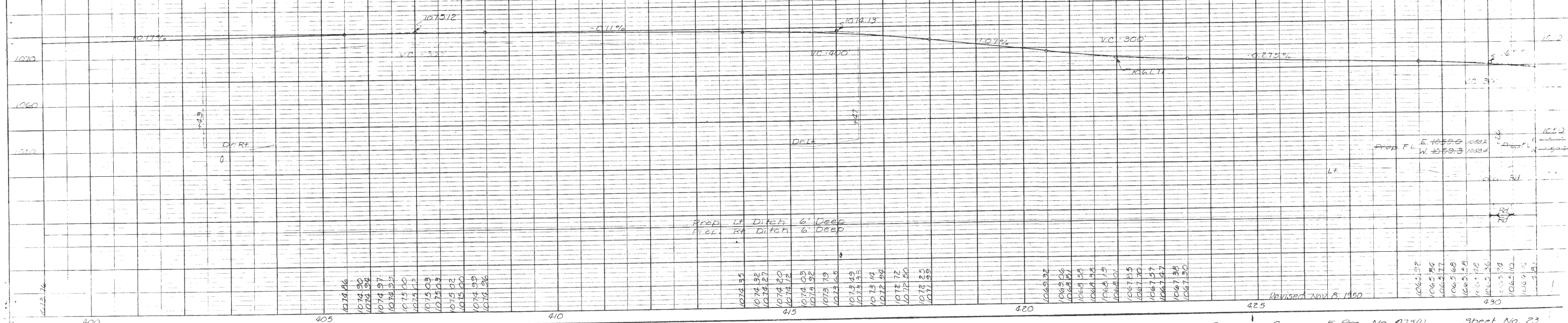
BENCH MARKS:
34 - Sta. 416+71 R.R. Spks. in N. Side of Tel. Pole 69 Rt. Elev. 1070.34
35A Sta. 430+44 R.R. Spike in S. Side of Power Pole 27' Lt. Elev. 1062.22
1st Evergreen Rt. Elev. 1062.37

118	100	122	222	383	404	433	448	504	567	582	598	591	587	584	463	417	378	347	329	316	323	416	433	437	454	452	519	522	443	420	364	176			
822	807	770	663	553	489	415	323	370	302	259	310	393	385	385	444	478	580	607	609	565	504	472	302	493	487	482	519	522	512	461	660	176			
			A (3120 E) 28-288) 30% 4367						C 5408			FL 27557.363 741) 30% 5727			APP. F-115									C 51131						116153 39% 3761 30% 3794			ADD F 640		
787	776	752	825	810	796	786	766	825	851	856	856	851	851	851	851	851	851	851	851	851	851	851	851	851	851	851	851	851	851	851	851	851			
150	147	170	344	32	353	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202	1202			

Sta. 390+25 to Sta. 400+50
Prop. subgrade treatment
Fill 527 cu yds. of selected material (Reclaimed Surfacing)
See Sheet No. 40

Sta. 400+50 to Sta. 414+00
Prop. subgrade treatment
Fill 527 cu yds. of selected material (Reclaimed Surfacing)
See Sheet No. 40

Sta. 414+00 to Sta. 435+50
Prop. subgrade treatment
Fill 1342 cu yds. of selected material (Reclaimed Surfacing)
See Sheet No. 41



Prop. 4' Ditch 6' Deep
Prop. 4' Ditch 6' Deep

Revised Nov. 8, 1950

Prop. F.L. E 1059.0 1082
W. 1059.3 1082

AS-BUILT PLANS, FOR INFORMATION ONLY

ESTABLISHED WIDTH OF RIGHT OF WAY 66 FT. See note on sheet #9

Ref to POT Sta 430+26.6 NE Cor Sec 28

Cross Ref to POT Sta 430+26.3

DOUGLAS TWP T.93N. R.13W

Cross Ref to N.W. Cor Sec. 27 Sta 457+02.1 S.B. Lt of R

Ref to N.E. Sec. 27 661 Lt Sta 457+02.1

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
5	IOWA	9750		24	92

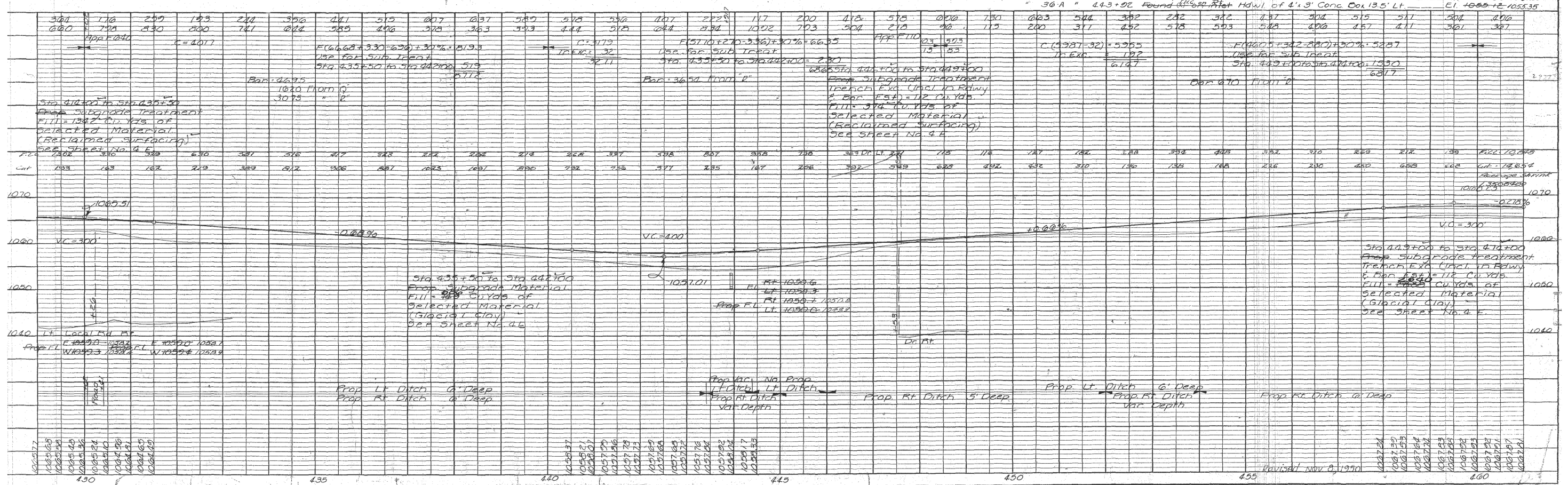
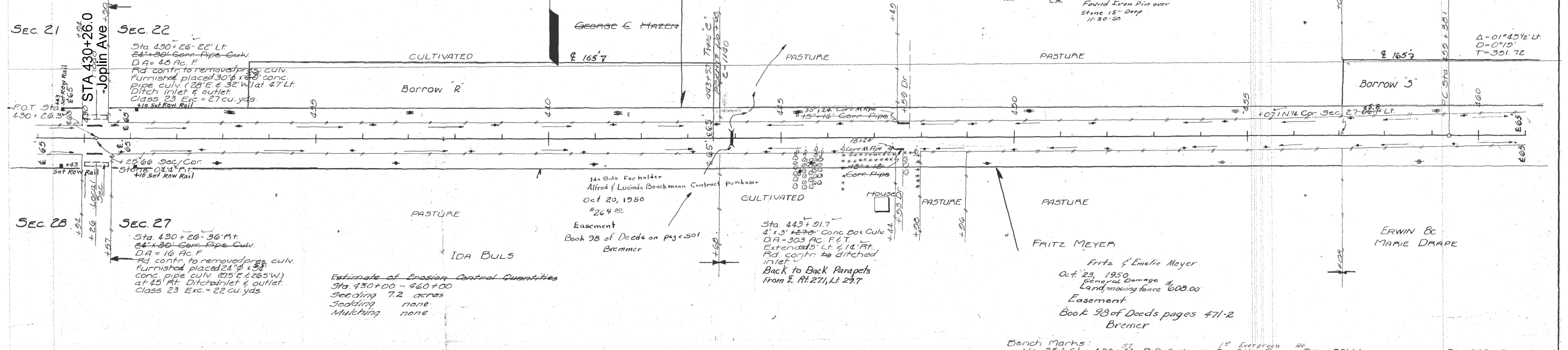


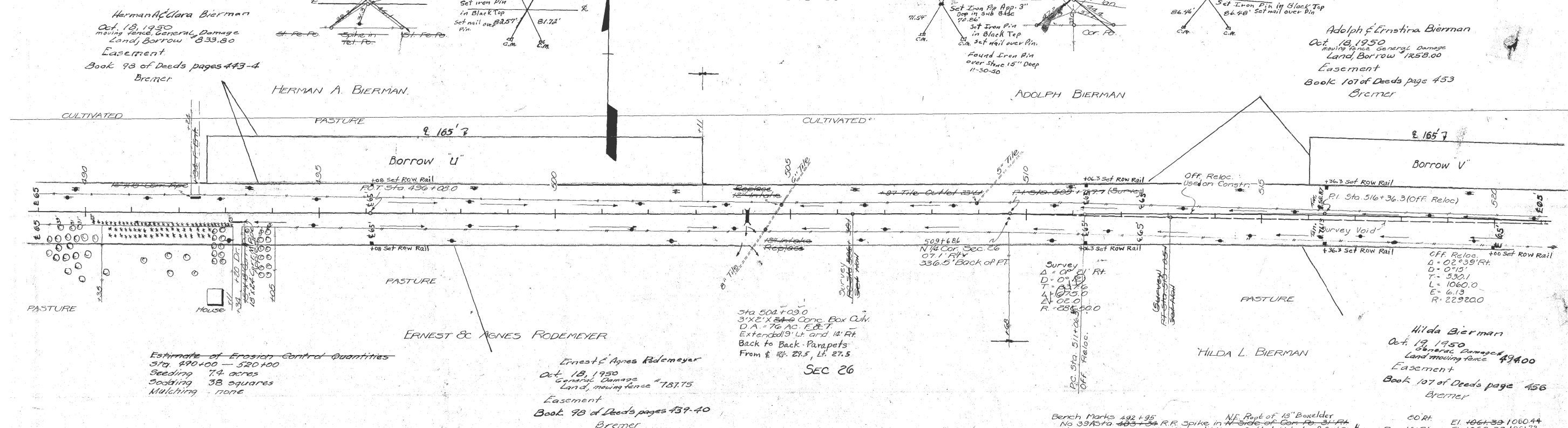
PLATE 1 - PLAN-PROFILE - P. & R. E. STANDARD
 Revised Nov. 8, 1970
 Bremer Co., F. Proj. No. 975 (1) Sh. No. 24

AS-BUILT PLANS, FOR INFORMATION ONLY

ESTABLISHED WIDTH OF RIGHT OF WAY 66 FT. See note on sheet 29

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
5	IOWA	975(1)		26	92

DOUGLAS TWP
T93 N R13 W
SEC. 23



Herman A. Bierman
Oct. 18, 1950
moving fence, General Damage
Land Borrow \$333.50
Easement
Book 98 of Deeds pages 443-4
Bremer

Adolph & Ernestina Bierman
Oct. 18, 1950
moving fence, General Damage
Land Borrow \$258.00
Easement
Book 107 of Deeds page 453
Bremer

Estimate of Erosion Control Quantities
Sta. 490+00 - 520+00
Seeding 7.4 acres
Sodding 38 squares
Mulching - none

Ernest & Agnes Rodemeyer
Oct. 18, 1950
General Damage
Land, moving fence \$187.75
Easement
Book 98 of Deeds pages 439-40
Bremer

Hilda Bierman
Oct. 18, 1950
General Damage
Land moving fence \$94.00
Easement
Book 107 of Deeds page 456
Bremer

100	104	218	322	423	479	511	429	410	410	470	452	396	367	288	215	267	311	344	372	450	429	469	465	467	447	446	404	355	315	326	355
852	852	786	600	526	476	461	452	428	526	578	607	622	689	512	615	630	654	606	507	459	372	324	350	384	417	459	500	575	530	507	
		C. 2776		F(4229+230+432)+30% = 5437		C. 3035		F(4529+264+432)+30% = 5754		C. 3640		F(4427+297+334)+30% = 5795		C. 2976		F(3101+262+192)+30% = 5076															
		Appx 120 Appx 120		Use for sub grade		Bar 1963 From U		Bar 1963 From V		Bar 1963 From U		Bar 1963 From V		Bar 1963 From U		Bar 1963 From V															
		Sta 490+00 to Sta 495+00		Prop subgrade treat		Sta 495+00 to Sta 498+00		Prop subgrade treat		Sta 498+00 to Sta 512+00		Prop subgrade treat		Sta 512+00 to Sta 517+00		Prop subgrade treat															
		Fill 312 cu yds of selected material (Reclaimed Surfacing)		Fill 312 cu yds of selected material (Reclaimed Surfacing)		Fill 312 cu yds of selected material (Reclaimed Surfacing)		Fill 312 cu yds of selected material (Reclaimed Surfacing)		Fill 312 cu yds of selected material (Reclaimed Surfacing)		Fill 312 cu yds of selected material (Reclaimed Surfacing)		Fill 312 cu yds of selected material (Reclaimed Surfacing)		Fill 312 cu yds of selected material (Reclaimed Surfacing)															
1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080	1080
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1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050
		Prep Lt Ditch 6' Deep		Prep Rt Ditch 6' Deep		Prep Lt Ditch 6' Deep		Prep Rt Ditch 6' Deep		Prep Lt Ditch 6' Deep		Prep Rt Ditch 6' Deep		Prep Lt Ditch 6' Deep		Prep Rt Ditch 6' Deep		Prep Lt Ditch 6' Deep		Prep Rt Ditch 6' Deep		Prep Lt Ditch 6' Deep		Prep Rt Ditch 6' Deep		Prep Lt Ditch 6' Deep		Prep Rt Ditch 6' Deep		Prep Lt Ditch 6' Deep	
1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050	1050

AS-BUILT PLANS, FOR INFORMATION ONLY

511 TRAVEL RESTRICTIONS

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
			No travel restrictions anticipated									

108-23A
08-01-08

TRAFFIC CONTROL PLAN

Through traffic shall be maintained at all times. Sidewalk at the intersection of IA 188 and Main Street to be closed to pedestrian traffic during construction using R5-7 signs east and west of IA 188 prior to construction start. ~~Place R2-12 signs on the west side of Main Street. Stage sidewalk corner construction to accommodate west east pedestrian traffic along IA 188.~~ TC-601 delete

refer TC-601 for staging of sidewalk construction

108-26A
08-01-08

STAGING NOTES

111-01
04-17-12

COORDINATED OPERATIONS

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.

Project	Type of Work
To be discussed at pre-con	

113-2
04-16-13

PEDESTRIAN PATH CLOSURES
Refer to TC-601.

*Assumes 6 foot wide barricade.
Closures may need to be removed and re-established.

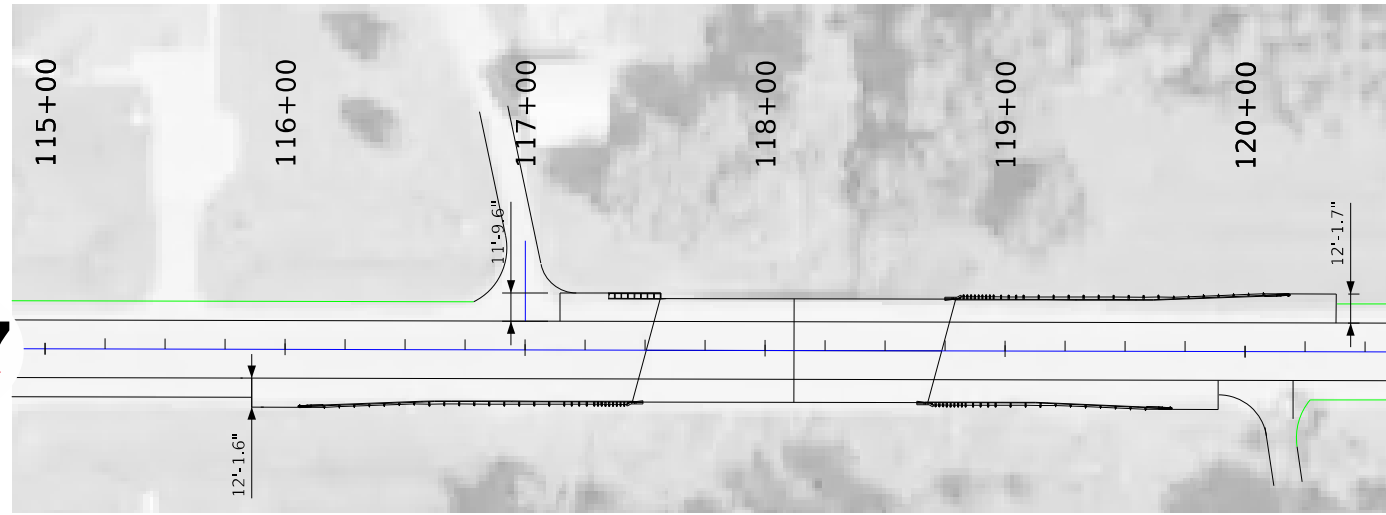
Location	Side	Type of Barricades*	Remarks
		No.	

Include US 63 resurfacing project near EOP. CIR with HMA Resurfacing

at all four ends remove and replace paved shoulder panel include rock flumes on east side of bridge

~~IA 57~~

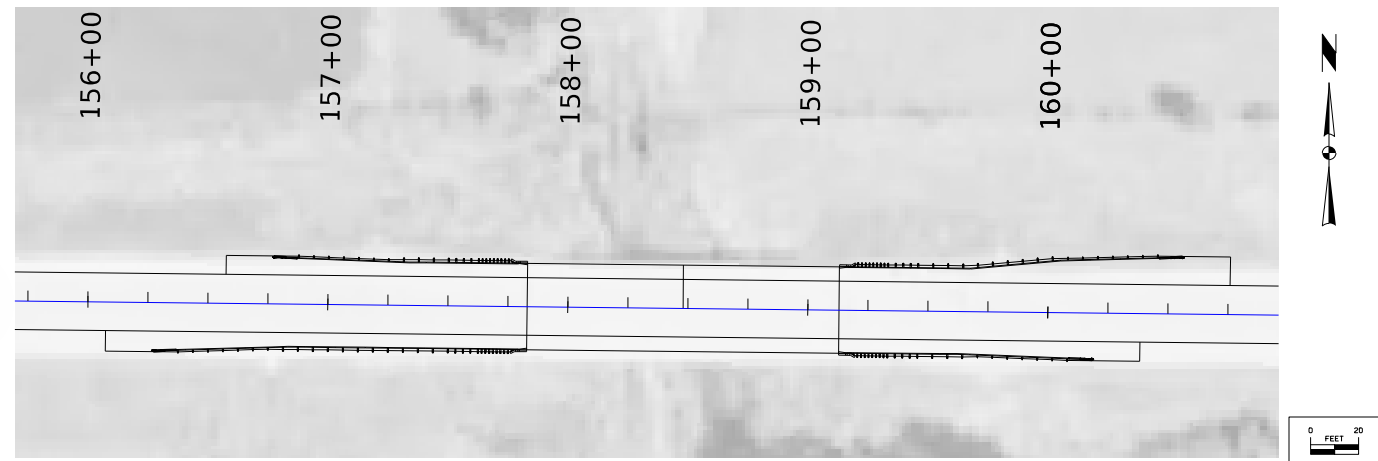
188



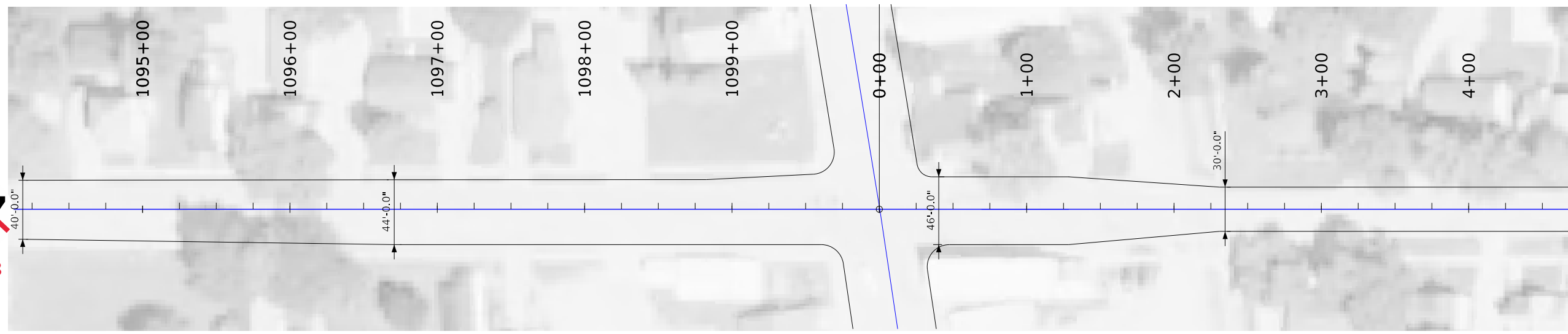
Larger scale so details can be seen

~~IA 57~~

188



~~57~~
IA 188



Maintenance requested the use of cable rail at this bridge. It was determined that the conditions at this bridge would not allow for the installation of cable rail.

IA 188

