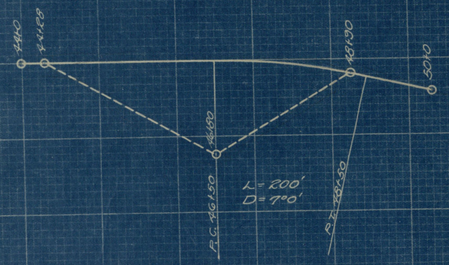
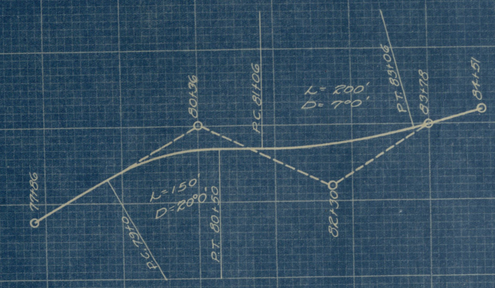
Plan For Straightening
Timothy Quinn Ditch



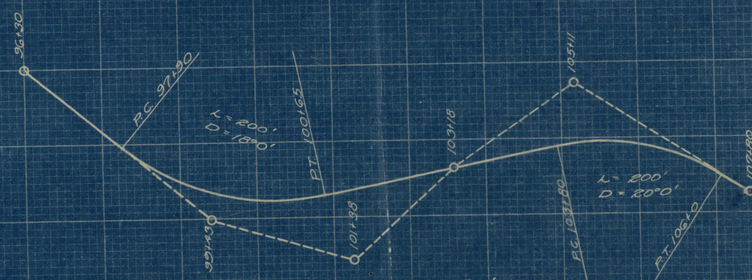
Sta. 44+10 ~ 49+10 = 450'
Cut Off = 60'

Note:- Sta. 48+50 on new location is
Sta. 49+10 on present location



Sta. 79+10 ~ 83+78 = 428'
Cut Off = 50'

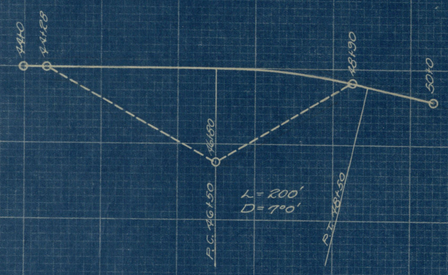
Note:-
Sta. 83+06 on new location is
Sta. 83+56 on present location



Sta. 97+90 ~ 107+40 = 810'
Cut Off = 140'

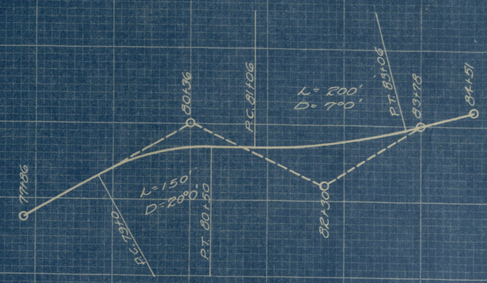
Note:- Sta. 106+10 on new location is
Sta. 107+40 on present location

Plan For Straightening
Timothy Quinn Ditch



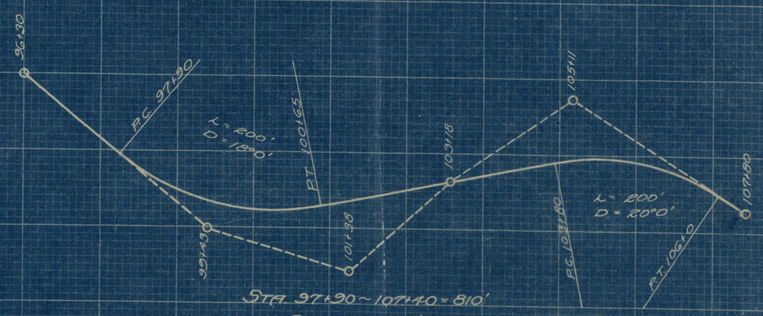
Sta. 44+10 ~ 49+10 = 450'
Cut Off = 60'

Note:- Sta. 48+50 on New Location 13
Sta. 49+10 on Present Location



Sta. 79+0 ~ 83+78 = 428'
Cut Off = 50'

Note:-
Sta. 83+06 on New Location 19
Sta. 83+56 on Present Location



Sta. 97+30 ~ 107+40 = 810'
Cut Off = 140'

Note: Sta. 10610 on New Location 15
Sta. 107+40 on Present Location

CAUSE No 11865

P.F. MORAN & THOS. WALSH

IMPROVEMENT OF

TIMOTHY QUINN DRAIN

IN BROWN & LINCOLN TWPS.

BY TILING

APPROVED:

DATE: JAN. 13 1926

DRAINAGE COMMISSIONERS

HENDRICKS CO. IND.

COUNTY: HENDRICKS — TOWNSHIPS: BROWN & LINCOLN

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED — NOTE BOOK NO.

OLIVE M. COBBIE 37 A

PATRICK F. MORAN 40 A 40 A 18 A 20 A 20 A 20 A 20 A 40 A

CLYDE F. DEPUTY & MARY L. YOKE 12 40 A 40 A

THOMAS WALSH & WIFE 20 A

THOMAS WALSH 40 A 25 A

MARGARET COBLISS 22.63 A.

M., B., & E. COBLISS 23.31 A.

MARGARET COBLISS 33.73

BRIDGET MORAN 39.73 A.

H. CANADY & WIFE 40 A

ELLEN COBLISS 44.43

E.F. GAETHER 40.50 A

JOHN & JULIA LANAHAN 45 A.

MARTIN & M.T. HART 40 A 40 A

JOHN LANAHAN ET. AL. 40 A

E. O'TOOLE 4.95 A

E. O'TOOLE 32.96 A

J. E. PATTERSON AND WIFE 55.50 A

H. M. GAENEE 37.05 A

S.M. & M.C. O'TOOLE 28.19 A

LOTTIE PHILLIPS 20 A

J.C. CHITWOOD AND WIFE 33.84 A

MARTIN DUFFY 10 A

S.L. GAENEE 38.15 A

W.E. KINNET 38.85 A

MARTIN FAHY ET AL 17.9 A

PATRICK FAHY 30 A

A.L. HALM 38.40 A

A.M. & A.L. HALM 45.40 A

ROSA FEEMET 36.99 A

ROSA FEEMET 40 A

CLEVELAND CINCINNATI CHICAGO & ST. LOUIS R.R. TERRE HAUTE & EASTERN TR. CO.

PENNSYLVANIA RAILROAD

13 12 35 36

BENCH MARKS

BM No 1 — STA. A. LONG COPING W. END INSIDE N. PARL. CONC. BRIDGE — EL. 100.00

2 — E. END S. PARL. THIRD TR. CO. CONC. BRIDGE — EL. 99.88

3 — 6818 LONG COPING S. END N. PARL. CONC. BRIDGE — EL. 105.27

4 — IRON TOP OF STUMP — EL. 113.17

STA. C-0100 AVE. DEPTH 0.31' EXC. 74.07 CU. YDS.

STA. 0+00 EL. 92.70 Discha. = 6.8 Cu. Ft.

STA. 0+00 TO 14+00 100' OF CA. TILE AVE. DEPTH = 1.56 EXC. = 189.04 CU. YDS.

Grade Stake

Proj. Ditch Bottom

Tile Grade

STA. 14+00 EL. 93.60 Discha. = 6.4 Cu. Ft.

1% 1/100 Fall per 100'

ELEVATIONS

Grade Stake	Elev. of Present Ditch	Tile Grade	Cut Below Gr. Stake	Cut Below Gr. Stake Ditch
9225	9176	9170	055	006
9225	9176	9170	055	006
9225	9176	9170	055	006

Book 177 12/1935

369

Timothy Quinn - Page #2

	50	51	+80 52	+50 53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79
El. of Stake:-	8584	8533	8644	8529	8575	8689		8858	8892	8938	9009	9011	8921	8948	9053	8845	9101	9181	9098	9186	9246	9229	9332	9332	9301	9257	9316	9315	9366	9317	9417
El. of Present Ditch	8135	8235	8262	8291	8266	8261		8325	8377	8302	8356	8373	8398	8468	8498	8501	8556	8563	8601	8571	8617	8658	8673	8669	8653	8681	8685	8698	8756	8781	8881
El. of New Grade	8101	8124	8147	8155	8170	8193		8239	8262	8285	8308	8331	8354	8377	8400	8423	8446	8469	8492	8515	8538	8561	8571	8581	8591	8601	8611	8621	8631	8641	8651
Cut below Stake:-	483	409	497	374	405	496		617	630	653	701	680	639	571	653	422	655	712	606	671	708	668	761	751	710	656	705	634	735	676	736
Cut below Present Ditch	34	111	115	136	96	68		86	115	17	48	42	44	31	98	78	110	94	109	56	79	97	102	88	62	80	74	77	125	140	136

85
80
75

Grade of Present Ditch

Grade Line for New Ditch

81.01 — .23% — 85.61 — .23% — .10% — 86.41

	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107
El. of Stake:-	9317	9416	9421	9371	9455	9337	9383	9415	9409	9472	9423	9466	9443	9493	9561	9424	9542	9553	9616	9531	9565	9574	9660	9672	9573	9647	9553	9559	9672	9556
El. Present Ditch:-	8781	8811	8803	8776	8791	8798	8890	8815	8882	8876	8855	8884	8922	8928	8925	8915	8923	8943	8971	8965	8992	8974	8978	9001	9004	9019	9031	9024	9018	9038
El. New Grade :-	8641	8651	8661	8671	8681	8691	8701	8711	8721	8731	8741	8751	8761	8771	8781	8791	8801	8811	8821	8831	8841	8851	8861	8871	8881	8891	8901	8911	8921	8931
Cut below Stake:-	676	765	760	700	774	646	682	704	688	741	682	715	682	722	780	703	741	742	795	700	724	723	799	801	692	776	658	648	751	620
Cut below Present Ditch:-	140	160	142	105	110	107	189	104	161	145	114	133	161	157	144	128	122	132	150	134	151	123	117	130	113	128	130	113	97	100

90
85
80

Grade of Present Ditch

Grade Line for New Ditch

86.41 — .10% — .10% — .10% — 89.21

	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	+90
El. of Stake:-	9672	9558	9687	9608	9691	9759	9646	9680	9733	9652	9641	9608	9687	9667	9723	9777	9572	9754	9765	9953	9635	9796	9780	9794	9727	9876	9755	9757	9735
El. Present Ditch:-	9018	9037	9032	9045	9060	9062	9020	9038	9138	9125	9137	9167	9155	9175	9187	9187	9210	9208	9225	9221	9236	9236	9236	9245	9278	9273	9270	9355	9315
El. New Grade :-	8921	8931	8941	8951	8961	8971	8981	8991	9001	9011	9021	9031	9041	9051	9061	9071	9081	9091	9101	9111	9121	9131	9141	9151	9161	9171	9181	9191	9200
Cut below Stake:-	751	627	746	657	730	788	665	689	732	641	620	677	646	616	668	706	491	663	664	842	514	665	639	643	566	705	574	566	535
Cut below Present Ditch	97	106	91	94	99	91	109	107	137	114	116	136	114	124	126	116	129	117	124	110	115	105	95	94	117	102	89	164	115

95
90

Grade of Present Ditch

Grade Line for New Ditch

89.21 — .10% — .10% — .10% — 92.00

369

PLATE 1 — PLAN — PROFILE

1935

Private Yoke Ditch
Harold Rook Book 86-87-88

12/1935

Timothy Quinn Ditch
Lincoln Township
Hendricks County
Indiana.

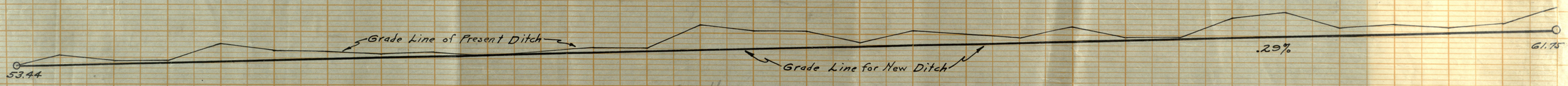
From Sta.	To Sta.	L.Ft.	Bottom Width	Avg. Cut	Est. Cu. Yds.
-33+65	-30+0	365	5'	1.24'	126
-30+0	20+0	5000	4'	1.60'	1778
20+0	35+0	1500	3'	1.29	322
35+0	133+90	9890	2'	1.18	1296
Totals:-		16755'			3522

All banks to be sloped 45°

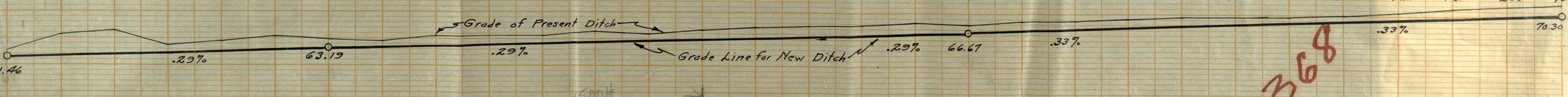
Bench Marks
At Sta. 133+90 ~ On East End of North Headwall ~ El. 97.62
At Sta. 121+90 ~ At State Rd. #34 ~ On Lower Coping W. end of N. Rail of Bridge ~ El. 93.94
At Sta. 55+15 ~ On Wing at S. end of W. Rail of Bridge ~ El. 90.51
At Sta. 35+40 ~ On East End of North Rail of Bridge ~ El. 84.78
At Sta. 23+70 ~ On North End of West Rail of Bridge ~ El. 78.50
At Sta. -33+65 ~ On NE Wing of Bridge next to Iron Railing ~ El. 63.29

368

	+65	-33	-32	-31	-30	-29	-28	-27	-26	-25	-24	-23	-22	-21	-20	-19	-18	-17	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6	-5
El. of Stake:-	55.43	55.19	55.49	57.16	58.21	56.05	59.27	57.81	58.26	58.86	57.96	59.21	60.66	61.67	62.36	59.68	62.02	60.56	61.78	62.65	63.00	63.41	63.83	63.88	64.91	63.78	64.44	65.22	65.30	64.85
El. Present Ditch:-	53.61	55.74	54.49	54.56	57.52	56.54	58.36	55.91	56.25	55.73	56.41	57.04	57.01	61.40	60.37	60.42	58.52	60.81	60.04	59.61	61.76	59.77	59.79	63.46	64.26	61.74	62.22	61.97	62.89	65.72
El. New Grade:-	53.44	53.63	53.92	54.21	54.56	54.79	55.08	55.37	55.66	55.95	56.24	56.53	56.82	57.11	57.40	57.69	57.98	58.27	58.56	58.85	59.14	59.43	59.72	60.01	60.30	60.59	60.88	61.17	61.46	61.75
Cut below Stake:-	1.99	1.56	1.57	2.95	3.71	1.26	4.19	2.44	2.60	2.91	1.72	2.68	3.84	4.56	4.96	1.99	4.04	2.29	3.22	3.80	3.86	3.98	4.11	3.87	4.61	3.19	3.56 3.56 3.76	4.05	3.84	2.60
Cut below Present Ditch:-	.17	2.11	.57	.35	3.02	1.75	1.28	.54	.53	0.00	.17	.51	.19	4.23	2.97	2.73	.54	1.54	1.48	.76	2.62	.34	.07	3.45	3.36	1.15	1.34	.80	1.93	3.07



	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
El. of Stake:-	65.30	64.35	66.99	66.02	68.23	68.83	67.81	67.21	68.88	69.10	69.83	69.46	69.73	71.24	70.75	71.05	71.32	71.98	72.87	73.21	72.80	72.43	72.41	72.36	72.98	73.06	73.25	74.24	74.21	74.40
El. Present Ditch:-	62.89	65.72	66.37	63.77	64.68	65.33	64.71	64.63	65.43	65.52	65.49	66.10	65.99	66.75	67.25	67.50	67.71	68.13	67.92	68.55	68.80	69.05	67.59	69.59	69.73	70.03	70.53	71.53	71.37	72.23
El. New Grade:-	61.46	61.75	62.04	62.32	62.61	62.90	63.19	63.48	63.77	64.06	64.35	64.64	64.93	65.22	65.51	65.80	66.09	66.38	66.67	67.00	67.33	67.66	67.99	68.32	68.65	68.98	69.31	69.64	69.97	70.30
Cut below Stake:-	3.84	2.60	4.95	3.77	5.62	5.93	4.62	3.73	5.11	5.04	5.48	4.82	4.80	6.02	5.24	5.25	5.23	5.60	6.20	6.21	5.47	4.83	4.42	4.04	4.33	4.08	3.94	4.60	4.24	4.10
Cut below Present Ditch:-	1.43	3.97	4.33	1.45	2.07	2.43	1.52	1.15	1.66	1.46	1.14	1.46	1.06	1.53	1.74	1.70	1.62	1.81	1.25	1.55	1.47	1.39	1.60	1.27	1.08	1.05	1.22	1.89	2.00	1.93



	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39+10	40	41	42	43	44	45	46	47	48	49	50	51
El. of Stake:-	74.21	74.40	75.30	75.98	76.16	76.71	77.42	76.31	77.70	78.38	77.93	79.48	80.35	81.05	80.37	81.45	81.65	82.42	82.18	82.73	82.27	82.89	82.86	83.70	83.95	84.57	84.08	84.18	85.84	85.33
El. Present Ditch:-	71.97	72.23	72.03	72.62	72.35	72.30	72.82	71.55	73.45	74.08	74.87	74.76	75.63	76.28	76.56	76.67	77.21	77.47	77.87	79.07	79.97	80.27	80.44	81.11	81.20	81.24	81.87	81.99	81.95	82.35
El. New Grade:-	69.97	70.30	70.63	70.96	71.29	71.62	71.95	72.28	72.61	73.03	73.45	73.87	74.29	74.71	75.13	75.55	75.97	76.39	76.81	77.23	77.65	78.07	78.49	78.91	79.33	79.75	80.17	80.59	81.01	81.24
Cut below Stake:-	4.24	4.10	4.67	5.02	4.87	5.09	5.47	4.03	5.09	5.35	4.48	5.61	6.06	6.34	5.24	5.90	5.68	6.03	5.37	5.50	4.62	4.82	4.37	4.79	4.62	4.82	3.91	3.59	4.83	4.07
Cut below Present Ditch:-	2.00	1.93	1.46	1.66	1.06	1.28	.34	0.00	.84	1.05	1.42	.89	1.44	1.57	1.43	1.12	1.24	1.08	1.06	1.84	2.32	2.20	1.95	2.20	1.87	1.49	1.70	1.40	.34	1.11

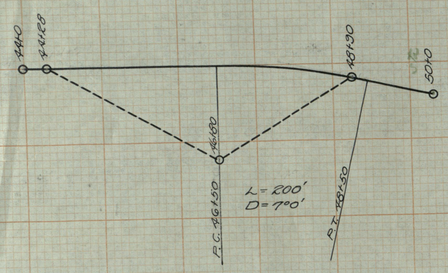
368

COUNTY	TOWNSHIPS	FISCAL YEAR	SHEET Nº	TOTAL SHEETS
HENDRICKS	BROWN LINCOLN	192	5	5

1925-1926

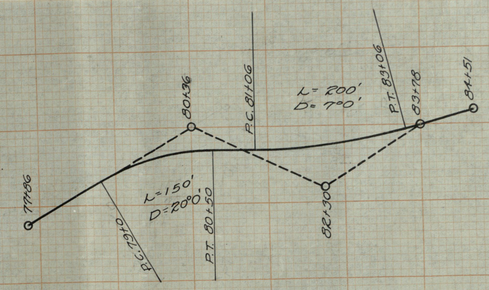
(5-A)

PLAN FOR STRAIGHTENING TIMOTHY QUINN DITCH



STA. 44+10 ~ 49+10 = 450'
CUT OFF = 60'

NOTE:- STA. 48+50 ON NEW LOCATION IS
STA. 49+10 ON PRESENT LOCATION



STA. 79+0 ~ 83+78 = 428'
CUT OFF = 50'

NOTE:-
STA. 83+06 ON NEW LOCATION IS
STA. 83+56 ON PRESENT LOCATION



STA. 97+30 ~ 107+40 = 810'
CUT OFF = 140'

NOTE:- STA. 106+10 ON NEW LOCATION IS
STA. 107+40 ON PRESENT LOCATION

365

365

365

STANDARD CROSS SECTION 10 X 10
MADE IN U.S.A.

Private Yoke Tile Drain?

Harold Cook Book 74-75-76-77

PROFILE FOR
TILE DRAIN
TIMOTHY QUINN DITCH

Sta 18+10 Man Hole

Private Yoke

366

BENCH MARKS.

M. No 1 ~ STA. 121.50 ~ TOP OF S. RAIL E. END OF BRIDGE ~ EL. 100.84

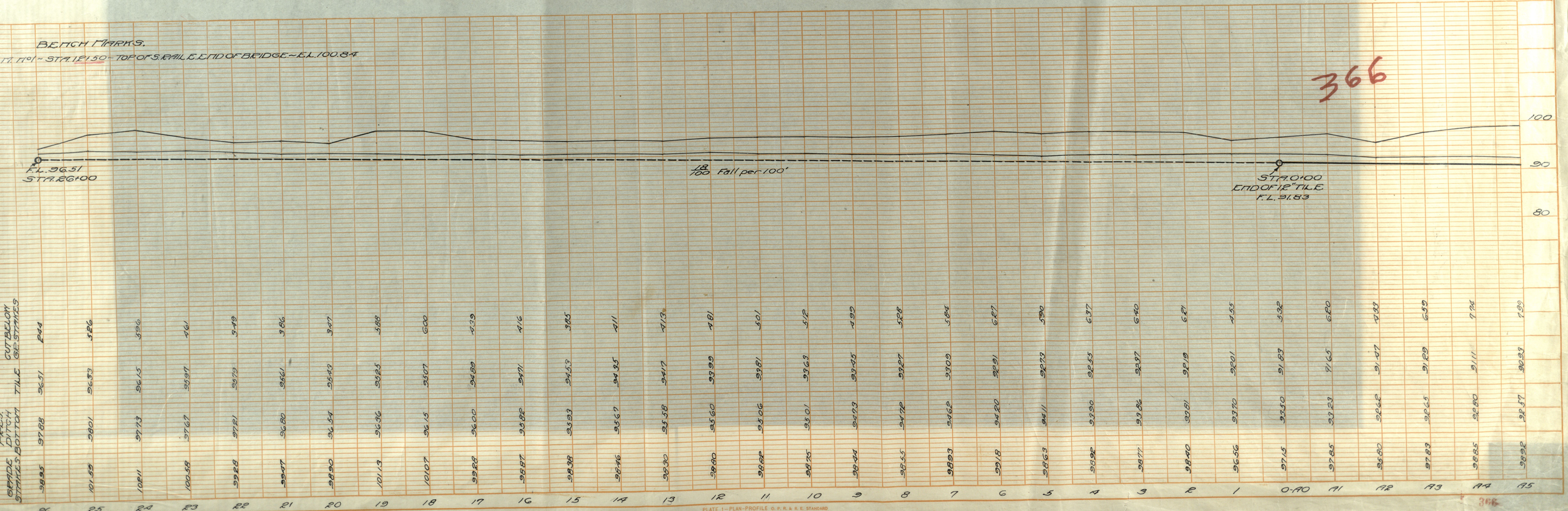


PLATE 1 — PLAN-PROFILE O. P. R. & R. E. STANDARD

SHEET 14 OF

367

ELEVATIONS

	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	A17	A18	A19	A20	A21	A22	A23	A24	A25	A26	A27	A28	A29	A30	A31	A32	A33
GRADE STAKES	97.84	96.85	96.92	96.65	96.52	96.08	96.59	93.88	94.26	94.76	92.46	93.49	94.91	94.60	94.62	94.85	94.31	94.67	88.71	89.36	89.30	89.25	89.32	89.18	89.14	89.34	89.10	89.43	89.79	89.24	89.09
PRES. GRADE STAKES	97.25	96.80	96.87	96.32	96.00	95.71	95.89	93.75	94.11	94.06	91.30	91.05	90.56	90.72	90.67	90.48	90.23	90.45	88.74	89.20	89.09	89.50	89.32	89.18	89.26	89.24	89.10	89.26	89.19	89.14	89.01
CUT BELOW GRADE STAKES	0.54	0.54	0.49	0.33	0.52	0.37	0.70	0.13	0.15	0.70	1.16	1.44	1.48	1.88	1.85	1.63	1.91	2.22	2.03	1.84	1.79	1.75	1.82	1.60	1.88	1.90	1.87	2.17	1.60	1.10	1.08
TILE	0.26	0.11	0.03	0.25	0.57	0.29	0.21	0.09	0.11	0.06	0.30	0.05	0.36	0.12	0.62	0.48	0.23	0.45	0.11	0.36	0.30	0.50	0.32	0.18	0.14	0.34	0.10	0.26	0.19	0.24	0.09
CUT BELOW GRADE STAKES	0.54	0.74	0.79	0.90	0.95	0.79	0.32	0.85	0.41	0.68	0.84	0.18	0.78	0.55	0.85	0.96	0.90	0.92	0.92	0.84	0.79	0.75	0.82	0.60	0.88	0.90	0.87	0.91	0.60	0.86	0.72

18/100 Fall per 100'

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