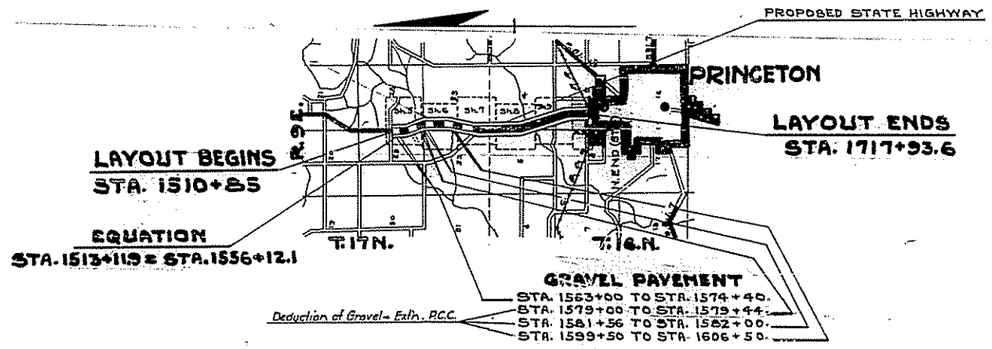
2-26

SHEET NO	1	TITLE PAGE.
" "	2	STANDARDS NO. 1257, 1212 WITH COVER.
" "	3	" " " 1234 " "
" "	3	SPECIAL TYPE A AND B GUTTER
" "	4	STANDARD NO. 1209.
" "	4	SPECIAL CROSS SECTION FOR WIDENING EXISTING PAVEMENT.
" "	5	PLAN AND PROFILE STA. 1510+85 TO STA. 1550+00.
" "	6	" " " STA. 1550+00 TO STA. 1610+00.
" "	7	" " " STA. 1610+00 TO STA. 1640+00.
" "	8	" " " STA. 1640+00 TO STA. 1670+00.
" "	9	" " " STA. 1670+00 TO STA. 1700+00.
" "	10	" " " STA. 1700+00 TO STA. 1717+93.6
" "	~~11~~	~~35 INCLUSIVE CROSS SECTIONS.~~
" "	35	STANDARD CULVERTS NO. 828-1, 828-5, 1209-1.
" "	36	SPECIAL CULVERT STA. (1642+30, 1642+58).
" "	37	" " " STA. 1643+79, 1651+60, 1664+25, 1685+54.
" "	38	" " " STA. 1691+13, 1711+21.
" "	38	STANDARDS NO. 845, 1283.
" "	39	" " " 1162.

ROUTE 89, SECTION 116, BUREAU COUNTY.

FROM A POINT NEAR THE N.E. CORNER OF THE S.E.¼ OF SECTION 29, T. 17 N., R. 9 E., OF THE 4 P.M. TO A POINT NEAR THE S.E. CORNER OF THE S.W.¼, OF THE N.W.¼ OF SECTION 9, T. 16 N., R. 9 E. OF THE 4 PM.



SUMMARY OF QUANTITIES

15689	CU. YDS.	CLASS A EXCAVATION.
21052	CU. YDS.	PAVEMENT.
2823	CU. YDS.	CLASS A CONCRETE.
120	RODS.	HEDGE PULLING.
32294	SQ. YDS.	EARTH SHOULDERS.
3428	SQ. YDS.	GRAVEL PAVEMENT (METHOD B GRAVEL NO 3.)
60	CU. YDS.	GRAVEL SURFACING.
25	EACH	RIGHT OF WAY MARKERS.
1175	LIN. FT.	CONCRETE GUTTER. (TYPE A)
20530	LBS	REINFORCING STEEL.
2400	LIN. FT.	CONCRETE GUTTER. (TYPE B)

SUMMARY OF CONCRETE

3 STANDARD CULVERTS	NO 828-1-1	4.3 CU. YDS.
15 " "	NO 828-1-3	23.5 " "
5 " "	NO 828-1-5	13.2 " "
1 " "	NO 828-5-5	3.6 " "
1 " "	NO. 1209-1-3	4.7 " "
1 SPECIAL CULVERT	STA. 1642+30	3.6 " "
1 " "	STA. 1642+58	3.6 " "
1 " "	STA. 1643+79	13.5 " "
1 " "	STA. 1651+60	30.0 " "
1 " "	STA. 1664+25	51.2 " "
1 " "	STA. 1685+54	22.0 " "
1 " "	STA. 1691+13	17.1 " "
1 " "	STA. 1711+21	4.3 " "
GUTTER OUTLETS		35.0 " "
SPILLWAYS		7.3 " "
	TOTAL CLASS A CONCRETE =	2823 CU. YDS.

LAYOUT

NET LENGTH OF LAYOUT = 16408.4 FT. = 3.018 MI.
SCALE: 1 INCH = 1 MILE.

SUMMARY

STATION TO STATION		WIDTH OF PAVEMENT FT.	GROSS LENGTH ALONG TRANSIT LINE FEET	CORRECTIONS FOR CURVES STA. OF EL.	FEET	CORRECTIONS FOR RELOCATIONS STA. = STA.		FEET	NET LENGTH OF LAYOUT ALONG FINAL CENTER LINE FEET	OMISSIONS STA. TO STA.		FT.	NET LENGTH TO BE IMPROVED IN FEET 18 FT.	15 FT.	4 FT.	VAR. FT.	GUTTER 18 FT.	GRAVEL 16 FT.	TOTAL	PAVEMENT OVER BRIDGES STA.	FT.	SQ. YDS. OF PAVEMENT 18 FT.	15 FT.	4 FT.	VAR. FT.	GRAVEL 16 FT.	TOTAL
1510+85	1557+00	18	4615.0			1513+11.9	1556+12.1	43.8	214.8				319.8						319.8			628.6					628.6
1557+00	1565+00	18	800.0						800.0								600.0		600.0			1200.0					1200.0
1565+00	1576+40	16	1140.0						1140.0									1140.0	1140.0							2026.7	2026.7
1576+40	1579+60	18	460.0						460.0				460.0						460.0			920.0					920.0
1579+60	1579+44	16	44.0						44.0									44.0	44.0							78.2	78.2
1579+44	1581+56	18	212.0						212.0				212.0						212.0	1580+50	212	4.7 + 42.4					47.1
1581+56	1582+00	16	44.0						44.0									44.0	44.0							78.2	78.2
1582+00	1599+00	18	1700.0						1700.0				1700.0						1700.0			3400.0					3400.0
1599+00	1599+50	18	50.0						50.0								50.0		50.0			100.0					100.0
1599+50	1606+50	16	700.0						700.0									700.0	700.0							1244.4	1244.4
1606+50	1612+00	18	550.0						550.0								550.0		550.0			1100.0					1100.0
1612+00	1658+00	18	4600.0						4600.0				4600.0						4600.0			8600.0					8600.0
1653+00	1658+25	18	25.0						25.0				12.5				12.5		25.0			50.0					50.0
1655+25	1661+00	18	575.0						575.0								575.0		575.0			1150.0					1150.0
1661+00	1666+40	18	540.0						540.0				540.0						540.0			1080.0					1080.0
1666+40	1685+45	4	1905.5						1905.5						1905.5				1905.5					848.7			848.7
1685+45	1685+55	18	5.0						5.0					5.0					5.0				15.0				15.0
1685+55	1691+13	4	558.0						558.0						558.0				558.0					244.4			244.4
1691+13	1691+18	18	5.0						5.0					5.0					5.0				15.0				15.0
1691+18	1703+73	4	1457.5						1457.5						1457.5				1457.5					637.8			637.8
1703+73	1707+73	VAR.	200.0						200.0							200.0			200.0						62.2		62.2
1707+73	1714+50	4	675.0						675.0						675.0				675.0					300.0			300.0
1714+50	1717+93.6	VAR.	343.6						343.6							343.6			343.6						186.3		186.3
TOTALS			20708.6					DIFF.	16408.4				7539.3	15.0	4592.0	543.6	1787.5	1972.0	16408.4			15083.4	30.0	2040.3	248.5	3427.3	24473.2

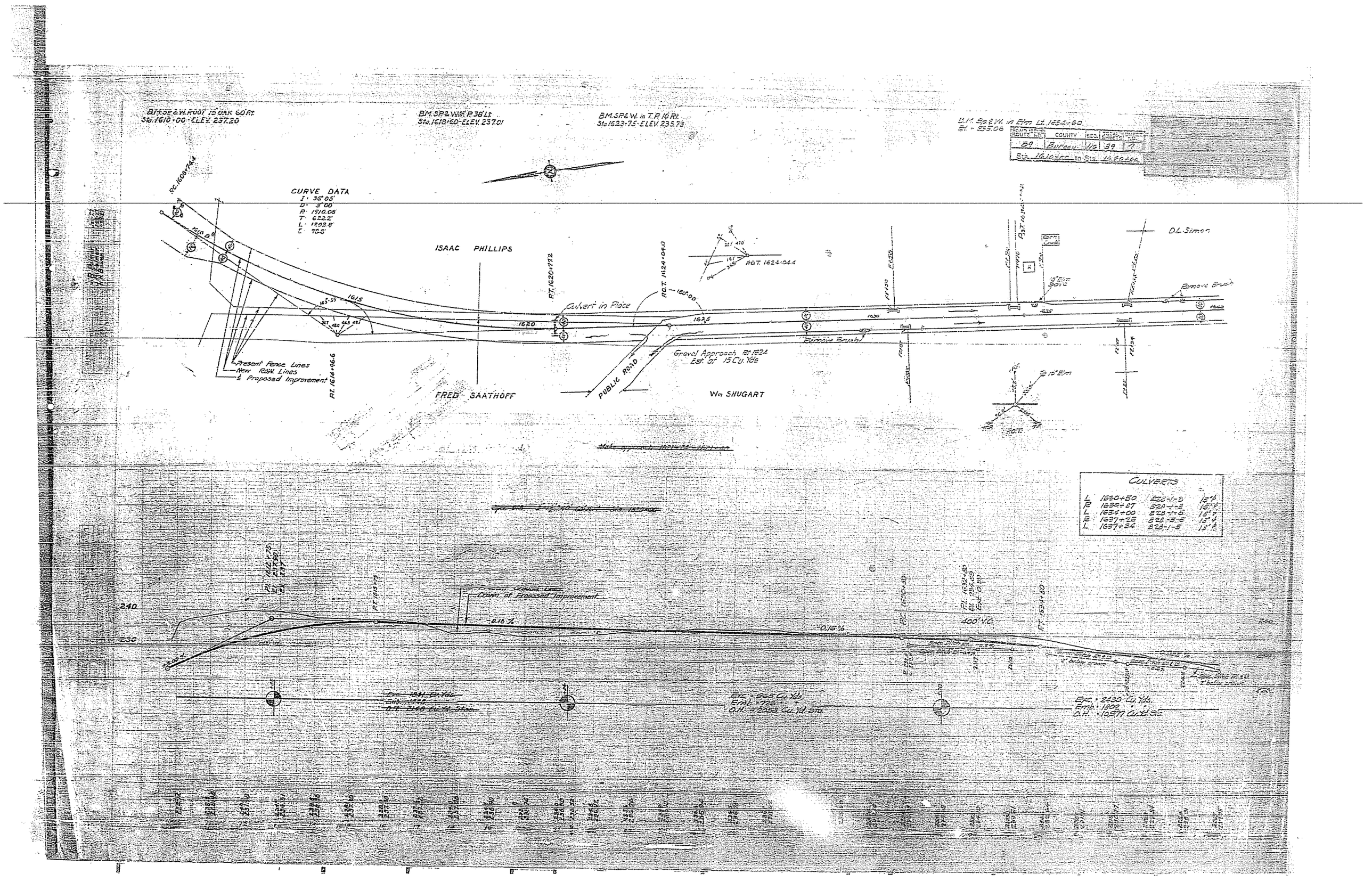
* TYPE B GUTTER R. & L. G GRAVEL PAVEMENT. ϕ WIDENING OVER BRIDGE. □ TYPE A GUTTER ON LEFT ONLY. ⊡ TYPE A GUTTER R. & L.

Deduction for Extension Authorized: 4-24-29

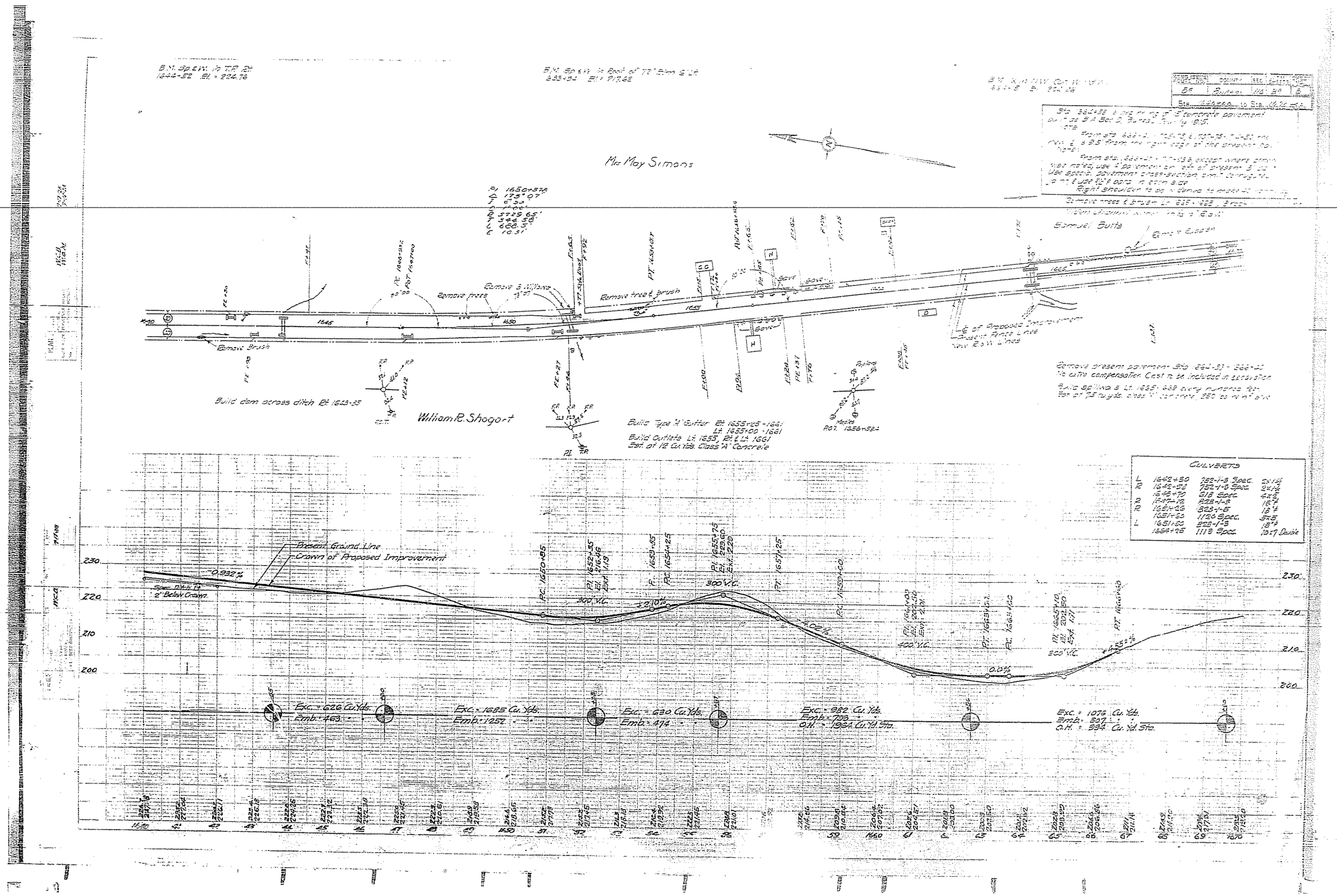
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

SUBMITTED Sept. 2, 1928. D. F. Goeke DISTRICT ENGINEER
EXAMINED
Sept. 15, 1928 [illegible] CHIEF OF BUREAU
APPROVED Sept. 15, 1928. [illegible] CHIEF ENGINEER
APPROVED Sept. 15, 1928. [illegible] DIRECTOR

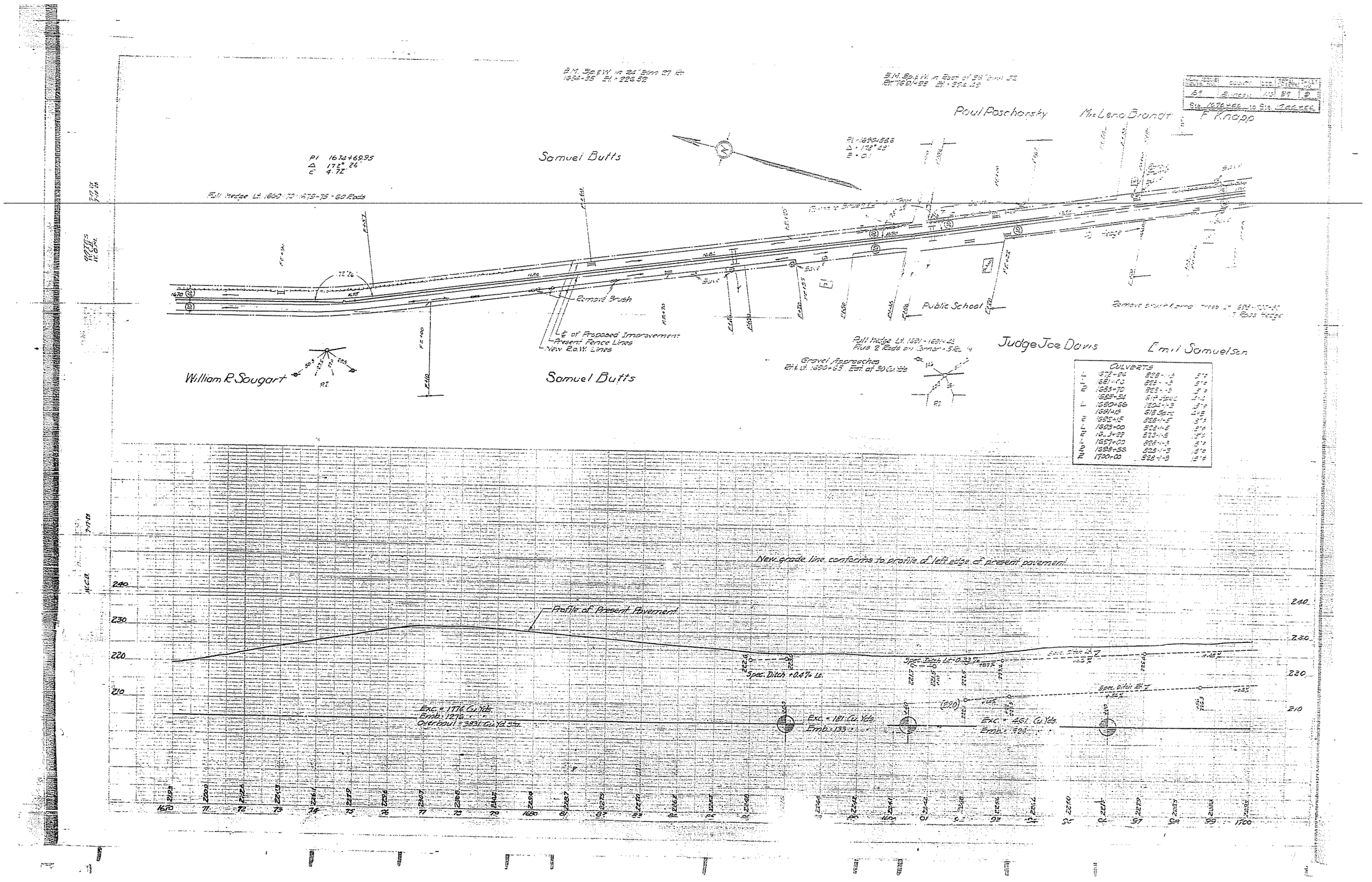
J.M.B. 9-15-28.



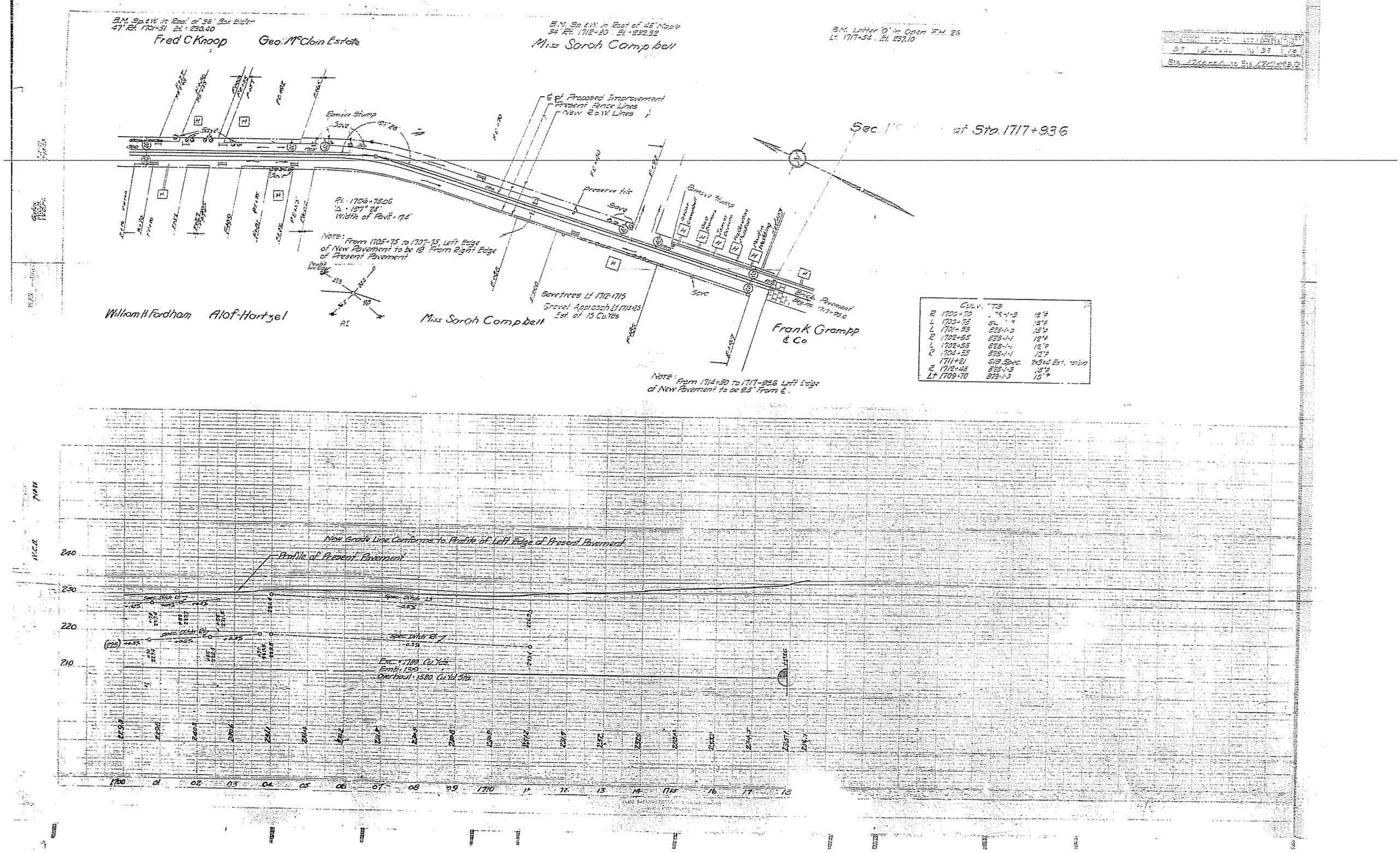
B.M. SP. & W. ROOT 15 OAK 60 Rt.
Sta. 1610+00 - ELEV. 237.20
B.M. SP. & W. in T.P. 10 Rt.
Sta. 1623+75 - ELEV. 235.73
CURVE DATA
ISAAC PHILLIPS
FRED SAATHOFF
Wm SHUGART
D.L. Simon
Culvert in Place
PUBLIC ROAD
Gravel Approach Rt. 1624
Est. at 15 Cu. Yds.
Present Fence Lines
New R.O.W. Lines
℄ Proposed Improvement
Remove Brush
CULVERTS
L 1630+50 828-1-3 15"
R 1630+87 828-1-3 15"
L 1634+00 828-1-5 15"
R 1637+25 828-5-5 15"
L 1637+34 828-1-5 15"
Crown of Proposed Improvement
-0.16 %
400' V.C.
Exc. = 965 Cu. Yds.
Emb. = 725
O.H. = 2053 Cu. Yd. Sta.
Exc. = 2430 Cu. Yds.
Emb. = 1802
O.H. = 10,577 Cu. Yd. Sta.



B.M. Sp.&W. in T.R. Rt. 1644+52 El. = 224.76
B.M. Sp.&W. in Root of 72" Elm 6' Lt. 1653+84 El. = 217.62
Mrs May Simons
Samuel Butts
Remove trees
Remove 6 Willows
Remove tree & brush
Remove Brush
Build dam across ditch Rt. 1643+85
William R. Shogart
Build Type "A" Gutter Rt. 1655+25 - 1661
Lt. 1655+00 - 1661
Build Outlets Lt. 1655, Rt. & Lt. 1661
Est. at 12 Cu. Yds. Class "A" Concrete
Remove present pavement Sta. 1664+31 - 1666+40
No extra compensation. Cost to be included in excavation
Build spillways Lt. 1665+66 every hundred feet
Est. at 7.5 cu. yds. class "A" concrete, 250 lbs. reinf. stl.
Present Ground Line
Crown of Proposed Improvement
-0.932%
Spec. Ditch Lt. 2' Below Crown
300' V.C.
+2.10%
-4.02%
400' V.C.
0.0%
300' V.C.
+4.55%
Exc. = 626 Cu. Yds.
Emb. = 463
Exc. = 1685 Cu. Yds.
Emb. = 1252
Exc. = 630 Cu. Yds.
Emb. = 474
Exc. = 982 Cu. Yds.
Emb. = 733
O.H. = 1964 Cu. Yd. Sta.
Exc. = 1076 Cu. Yds.
Emb. = 507
O.H. = 994 Cu. Yd. Sta.
CULVERTS
L 1642+30 752-1-3 Spec. 2x1½
R 1642+98 752-1-3 Spec. 2x1½
1643+70 618 Spec. 4x2
R 1647+12 828-1-3 15"ϕ
R 1651+26 828-1-5 18"ϕ
1651+60 1120 Spec. 5x5
L 1651+60 828-1-3 15"ϕ
1664+25 1113 Spec. 10x7 Double



Samuel Butts
Paul Poschorsky
Mrs Lena Brandt
F Knapp
Public School
Judge Joe Davis
Emil Samuelson
William R Sougart
Samuel Butts
Remove Brush
℄ of Proposed Improvement
Present Fence Lines
New R.O.W. Lines
Gravel Approaches
Full hedge Lt. 1660+70 - 1675+75 - 60 Rods
Full hedge Lt. 1691 - 1691+45 Plus 2 Rods on Corner - 5 Rods
Remove brush & small trees Lt. 1698+70 - 1700+00 - 7 Rods Hedge
CULVERTS
New grade line conforms to profile of left edge of present pavement
Profile of Present Pavement
Spec. Ditch +0.4% Lt.
Spec. Ditch Lt. -0.33%
Spec. Ditch Lt.
Exc. = 1774 Cu. Yds.
Emb. = 1276
Overhaul = 3831 Cu. Yd. Sta.
Exc. = 181 Cu. Yds.
Emb. = 133
Exc. = 461 Cu. Yds.
Emb. = 424
240
230
220
210



B.M. Sp. & W. in Root of 36" Box Elder
47' Rt. 1701+51 El. = 230.40
Fred C Knoop
Geo. McClain Estate
B.M. Sp. & W. in Root of 48" Maple
34' Rt. 1712+80 El. = 232.32
Miss Sarah Campbell
B.M. Letter 'O' in Open F.H. 26
Lt. 1717+54 El. 237.10
Sec. 1 at Sta. 1717+93.6
℄ of Proposed Improvement
Present Fence Lines
New R.o.W. Lines
Remove Stump
Save
Preserve tile
Remove Stump
Save
Brick Pavement
Begins 1717+93.6
Pl. = 1706+75.05
Δ = 197° 28'
Width of Pavt. = 17.4'
NOTE: From 1705+75 to 1707+75, Left Edge of New Pavement to be 18' From Right Edge of Present Pavement
Savetrees Lt 1712-1715
Gravel Approach Lt 1714+25
Est. of 15 Cu.Yds
William H. Fordham
Alof-Hartzel
Miss Sarah Campbell
Frank Grampp & Co
NOTE: From 1714+50 to 1717+93.6 Left Edge of New Pavement to be 9.5' From ℄.
CULV. TS
R 1700+70 [illegible] 15"φ
L 1700+78 [illegible] 15"φ
L 1701+53 828-1-3 15"φ
R 1702+55 828-1-1 12"φ
L 1702+55 828-1-1 12"φ
R 1704+55 828-1-1 12"φ
1711+21 619 Spec. 2x3x4 Ext. [illegible]
R 1712+48 828-1-3 15"φ
Lt 1709+70 828-1-3 15"φ
New Grade Line Conforms to Profile of Left Edge of Present Pavement
Profile of Present Pavement
Spec. Ditch Lt
Spec. Ditch Rt
Exc. = 1789 Cu.Yds.
Emb. = 1319
Overhaul = 1580 Cu.Yd Sta.
240
230
220
210
1700
01
02
03
04
05
06
07
08
09
1710
11
12
13
14
1715
16
17
18