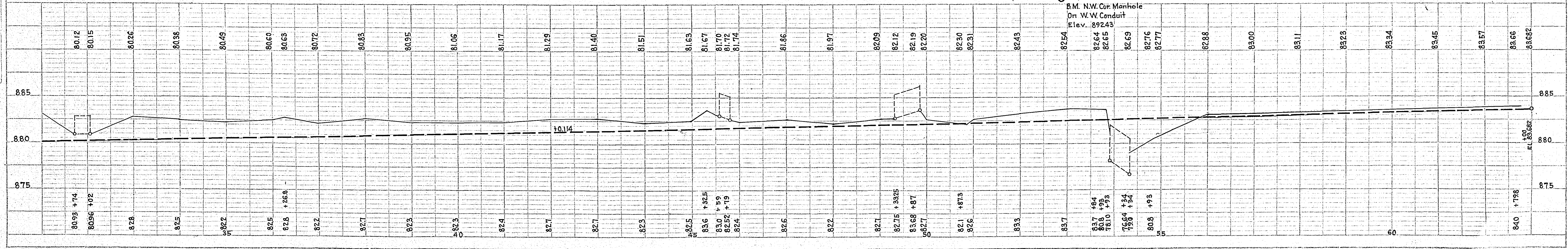
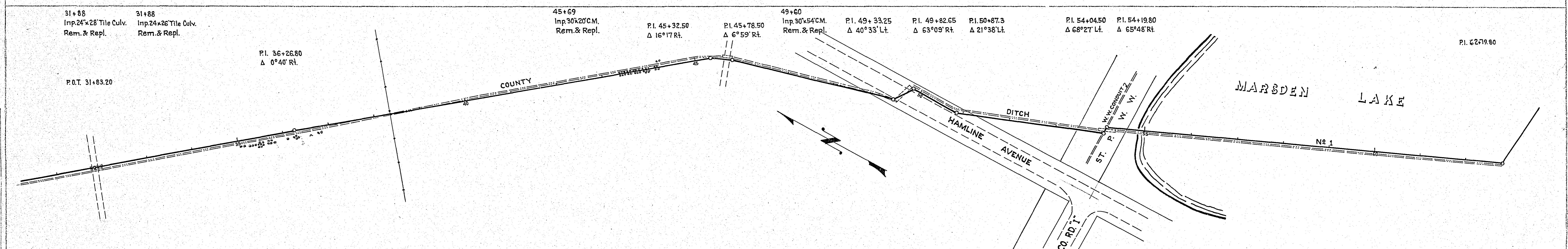
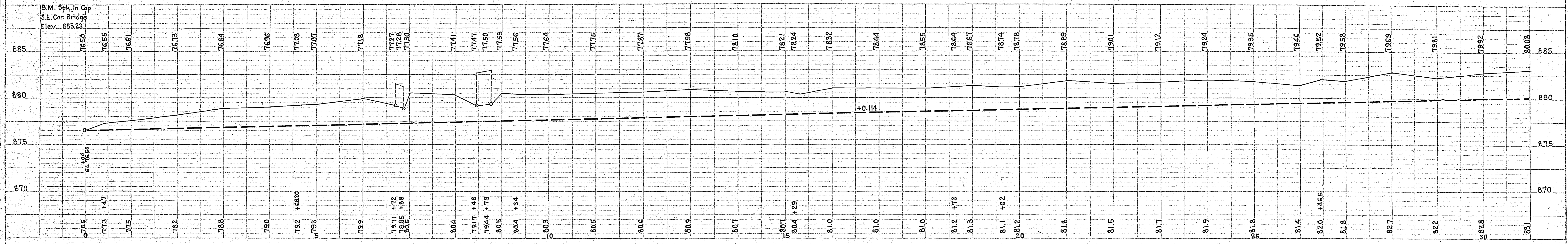
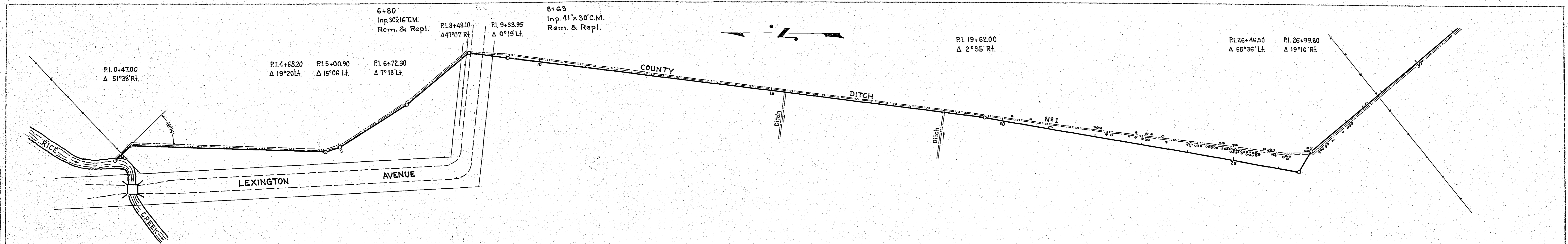


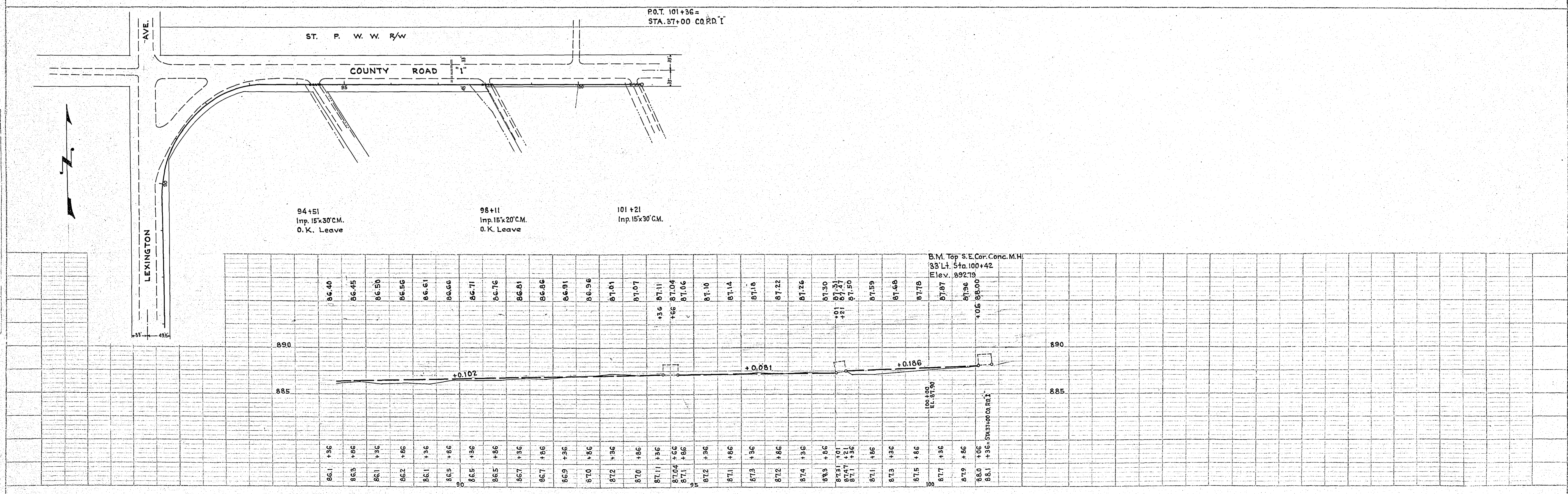
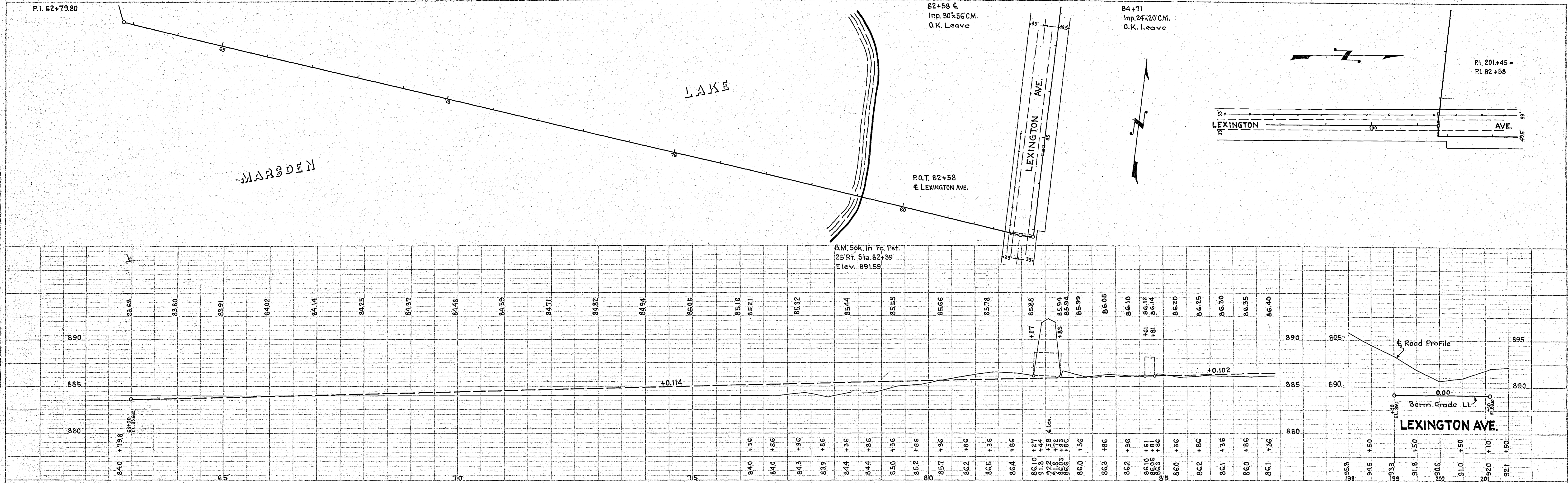
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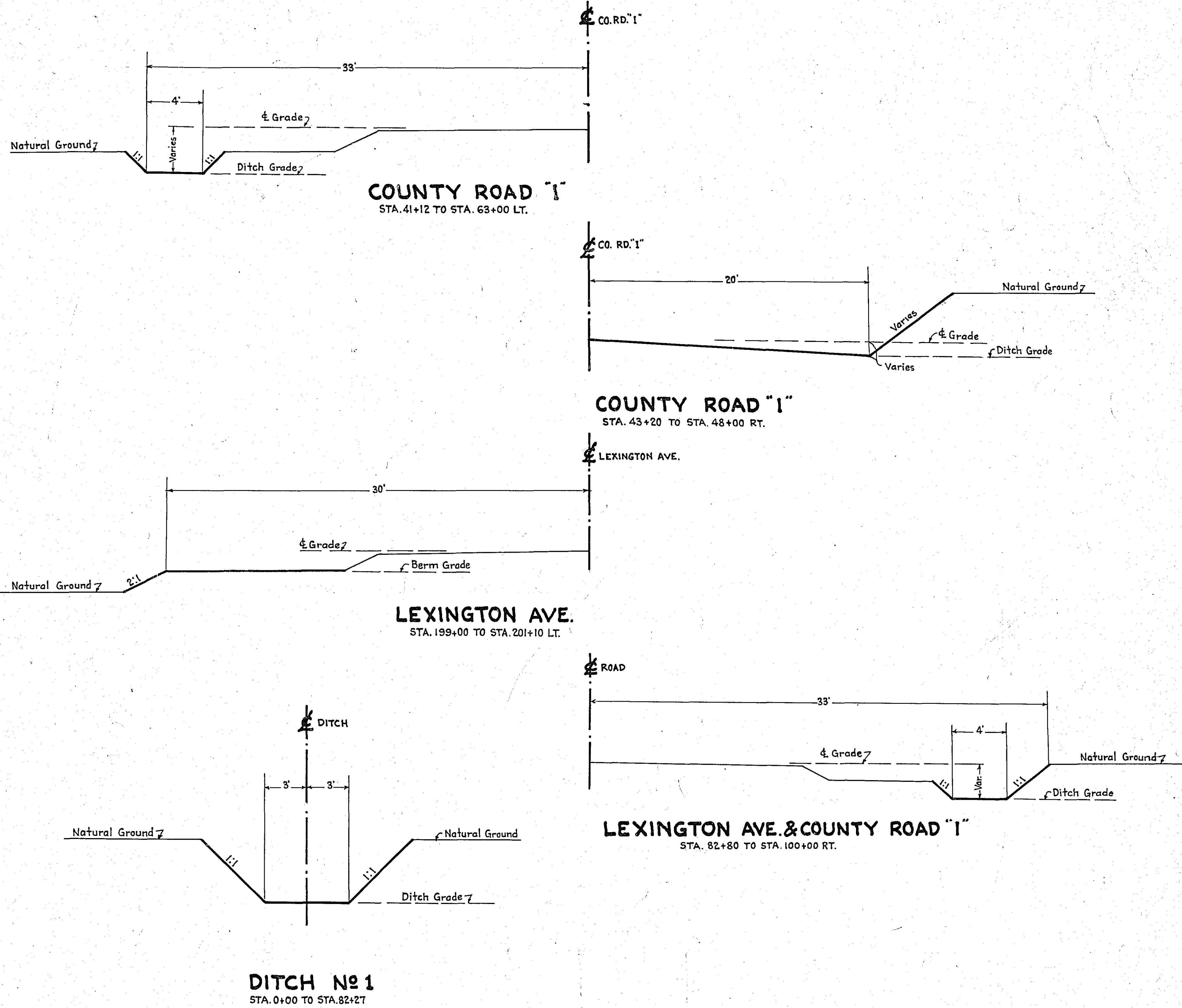


STATEMENT OF ESTIMATED QUANTITIES

Quant. without Ditch #1

| CLASS | ITEM | UNIT | MILE | MILE | MILE | MILE | MILE | MILE | MILE | MILE | MILE | MILE | TOTAL ESTIMATED QUANTITIES |
|-----------------------|------|----------------------------|-------------|----------|---------|---------|---------|---------|---------|---------|---------|------|----------------------------|
| | | | From To | From To | From To | From To | From To | From To | From To | From To | From To | | |
| GRADING | 1 | Clearing | Trees | 25 | | | | | | | | | |
| | 2 | Grubbing | Trees | 25 | | | | | | | | | |
| | 3 | Clearing | Acres | | | | | | | | | | |
| | 4 | Grubbing | Acres | | | | | | | | | | |
| | 5 | Excavation | Earth | Cu. Yds. | 11,975 | 2126 | | | | | | | |
| | 6 | Excavation | Loose Rock | Cu. Yds. | | | | | | | | | |
| | 7 | Excavation | Solid Rock | Cu. Yds. | | | | | | | | | |
| | 8 | Excavation | Overhaul | Cu. Yds. | | | | | | | | | |
| | 9 | Excavation | Special | Cu. Yds. | | | | | | | | | |
| | 10 | Excavation | Hand Ditch | Cu. Yds. | | | | | | | | | |
| | 11 | Install | 12" C.M. | Lin. Ft. | 120 | 120 | | | | | | | |
| | 12 | Install | 15" C.M. | Lin. Ft. | | | | | | | | | |
| | 13 | Install | 18" C.M. | Lin. Ft. | | | | | | | | | |
| | 14 | Install | 24" C.M. | Lin. Ft. | | | | | | | | | |
| | 15 | Install | | Lin. Ft. | | | | | | | | | |
| | 16 | Install | | Lin. Ft. | | | | | | | | | |
| | 17 | Install | 18" P3 | Lin. Ft. | | | | | | | | | |
| | 18 | Install | 24" P3 | Lin. Ft. | | | | | | | | | |
| | 19 | Install | 30" P3 | Lin. Ft. | | | | | | | | | |
| | 20 | Install | 36" P3 | Lin. Ft. | | | | | | | | | |
| | 21 | Install | | Lin. Ft. | | | | | | | | | |
| | 22 | Install | | Lin. Ft. | | | | | | | | | |
| | 23 | Remove Old Culvert | | Lin. Ft. | 300 | 126 | | | | | | | |
| | 24 | Replace Old Culvert | | Lin. Ft. | 174 | | | | | | | | |
| | 25 | Finishing and Seeding | 100 Sq.Yds. | | | | | | | | | | |
| | 26 | Rubble Gutter | Cu. Yds. | | | | | | | | | | |
| | 27 | Headwall | Concrete | Cu. Yds. | | | | | | | | | |
| | 28 | Headwall | Steel | Lbs. | | | | | | | | | |
| | 29 | Remove Fence | | Lin. Ft. | 200 | 200 | | | | | | | |
| | 30 | Replace Fence | | Lin. Ft. | 200 | 200 | | | | | | | |
| | 31 | | | | | | | | | | | | |
| | 32 | | | | | | | | | | | | |
| C.M. CULVERTS | 1 | Furnish 12" C.M. | Lin. Ft. | 120 | 120 | | | | | | | | |
| | 2 | Furnish 15" C.M. | Lin. Ft. | | | | | | | | | | |
| | 3 | Furnish 18" C.M. | Lin. Ft. | | | | | | | | | | |
| | 4 | Furnish 24" C.M. | Lin. Ft. | | | | | | | | | | |
| | 5 | Furnish | | Lin. Ft. | | | | | | | | | |
| | 6 | Furnish | | Lin. Ft. | | | | | | | | | |
| | 7 | Furnish 12" C.M. Band | Each | | | | | | | | | | |
| | 8 | Furnish 15" C.M. Band | Each | | | | | | | | | | |
| | 9 | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | |
| P3 CULVERTS | 1 | Furnish 18" P3 | Lin. Ft. | | | | | | | | | | |
| | 2 | Furnish 24" P3 | Lin. Ft. | | | | | | | | | | |
| | 3 | Furnish 30" P3 | Lin. Ft. | | | | | | | | | | |
| | 4 | Furnish 36" P3 | Lin. Ft. | | | | | | | | | | |
| GUARD RAIL | 1 | Guard Rail - Cable | Lin. Ft. | | | | | | | | | | |
| | 2 | Guard Rail Anchors | Each | | | | | | | | | | |
| | 3 | Dummy Posts | Each | | | | | | | | | | |
| | 4 | | | | | | | | | | | | |
| SIDEWALKS AND CURBING | 1 | Concrete Curb - Straight | Lin. Ft. | | | | | | | | | | |
| | 2 | Concrete Curb - Radius | Lin. Ft. | | | | | | | | | | |
| | 3 | Remove Old Curb | Lin. Ft. | | | | | | | | | | |
| | 4 | Remove Old Curb and Gutter | Lin. Ft. | | | | | | | | | | |
| | 5 | Remove Old Sidewalk | Sq. Ft. | | | | | | | | | | |
| | 6 | Replace Old Sidewalk | Sq. Ft. | | | | | | | | | | |
| | 7 | Construct New Sidewalk | Sq. Ft. | | | | | | | | | | |
| | 8 | Curb Inlet | Each | | | | | | | | | | |
| | 9 | Catch Basin Complete | Each | | | | | | | | | | |
| | 10 | | | | | | | | | | | | |
| | 11 | | | | | | | | | | | | |
| | 12 | | | | | | | | | | | | |
| SEWER | 1 | 12" Vitrified Sewer Pipe | Lin. Ft. | | | | | | | | | | |
| | 2 | 15" Vitrified Sewer Pipe | Lin. Ft. | | | | | | | | | | |
| | 3 | 18" Vitrified Sewer Pipe | Lin. Ft. | | | | | | | | | | |
| | 4 | 20" Vitrified Sewer Pipe | Lin. Ft. | | | | | | | | | | |
| | 5 | 24" Vitrified Sewer Pipe | Lin. Ft. | | | | | | | | | | |
| | 6 | Manhole Complete | Each | | | | | | | | | | |
| | 7 | Catch Basin Complete | Each | | | | | | | | | | |
| | 8 | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | |
| SURFACE | 1 | Loading Gravel | Cu. Yds. | | | | | | | | | | |
| | 2 | Hauling Gravel | C.Y. Mi. | | | | | | | | | | |
| | 3 | Shaping & Compacting | Cu. Yds. | | | | | | | | | | |
| | 4 | Oil | Gal. | | | | | | | | | | |
| | 5 | Cut-back | Sq. Yds. | | | | | | | | | | |
| | 6 | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | |
| STRUCTURES | 1 | Concrete | Cu. Yds. | | | | | | | | | | |
| | 2 | Reinforcing Steel | Lbs. | | | | | | | | | | |
| | 3 | Excavation | Cu. Yds. | | | | | | | | | | |
| | 4 | Piling | Lin. Ft. | | | | | | | | | | |
| | 5 | | | | | | | | | | | | |
| | 6 | | | | | | | | | | | | |
| | 7 | | | | | | | | | | | | |
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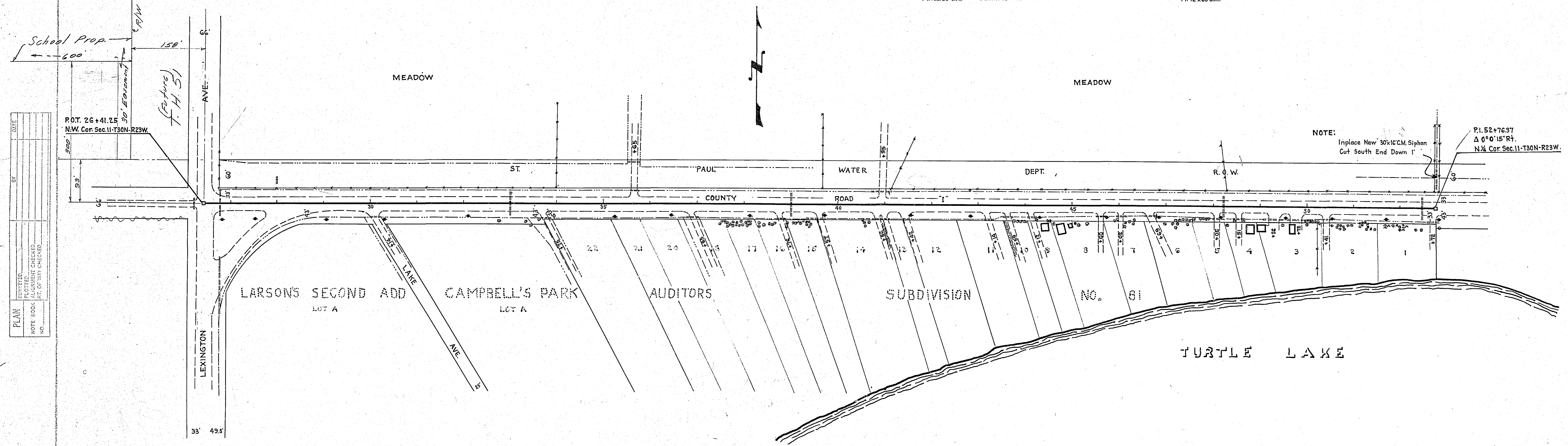
DETAILS



OFFICE OF
RAMSEY COUNTY SURVEYOR
HARRY S. BRONSON
DRAINAGE PLAN
COUNTY ROAD "I"
FROM LEXINGTON AVE. TO 1/4 MI. E.
LEXINGTON AVE.
FROM COUNTY RD "I" TO 1/4 MI. SO.
DITCH NO 1
FROM MARSDEN LAKE TO RICE CREEK
NOVEMBER 1940 SCALE AS SHOWN

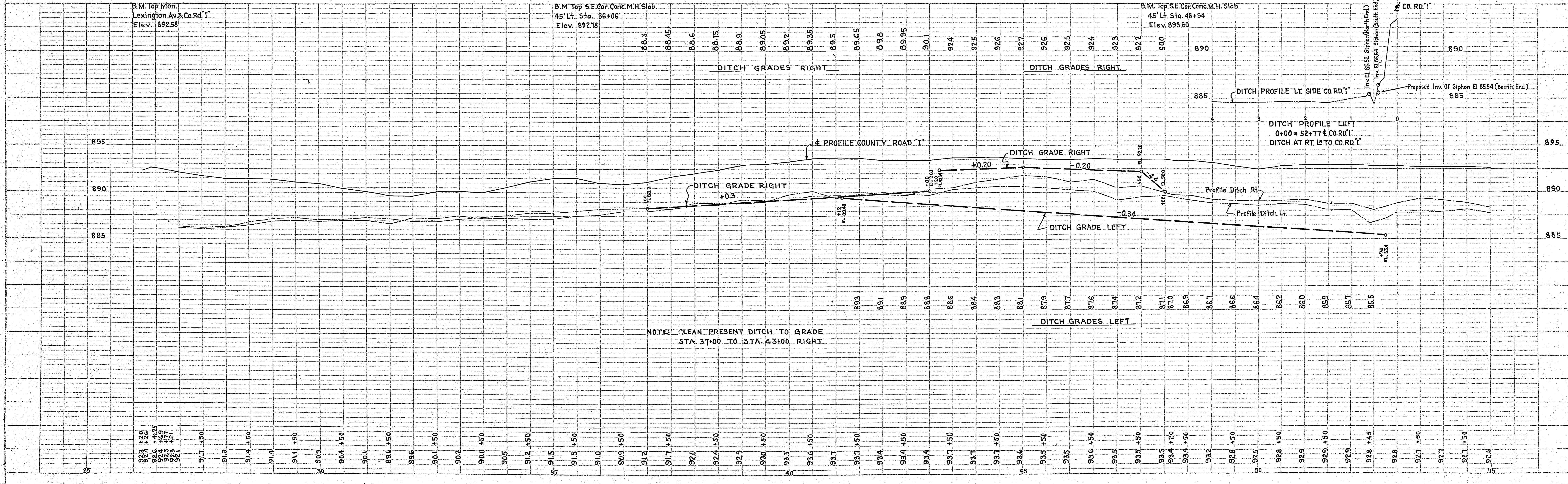
PLANNED BY *A. D. Prampston*
ASSISTANT ENGINEER
PLANS APPROVED 11/14 1940 *Harry S. Bronson*
COUNTY SURVEYOR
APPROVED 11/14 1940 *[Signature]*
CHAIRMAN COUNTY BOARD

26+77¢ 26+77 Rt. 28+98 Lt. 30+14 Rt. 33+00¢ 33+75 Rt. 35+65 Lt. 35+65 Lt. 36+85 Rt. 38+76 Rt. 39+00¢ 39+47 Rt. 40+90 Rt. 40+95 Lt. 41+42 Rt. 43+14 Rt. 43+59 Rt. 44+12 Rt. 45+60 Rt. 46+02 Rt. 46+69 Rt. 48+05 Rt. 48+20¢ 49+26 Rt. 49+72 Rt. 50+41 Rt. 52+45¢ 52+72 Rt.
 Inp. 24'x52'CM. Inp. 24'x12'CM. Inp. 15'x36'CM. Inp. 15'x30'CM. Inp. 24'x52'CM. Inp. 15'x20'CM. Inp. 15'x20'CM. Inp. 15'x16'CM. Inp. 15'x30'CM. Inp. 15'x20'CM. Inp. 24'x52'CM. Inp. 15'x38'CM. Inp. 15'x38'CM. Inp. 30'x33'Vt. Inp. 15'x20'CM. Inp. 15'x20'CM. Inp. 15'x3'Conc.P. Remove PI. 12'x20'CM. Inp. 15'x20'CM. Inp. 15'x20'CM. Remove PI. 12'x20'CM. Remove PI. 12'x20'CM. Remove PI. 12'x20'CM. Inp. 15'x20'CM. Inp. 15'x20'CM. Inp. 15'x20'CM. Inp. 24'x52'CM. Inp. 12'x44'Conc.P. Inp. 15'x44'Conc.P. Inp. 12'x32'CM. Inp. 15'x20'CM. Inp. 15'x20'CM. Inp. 24'x54'CM. Inp. 15'x20'CM.



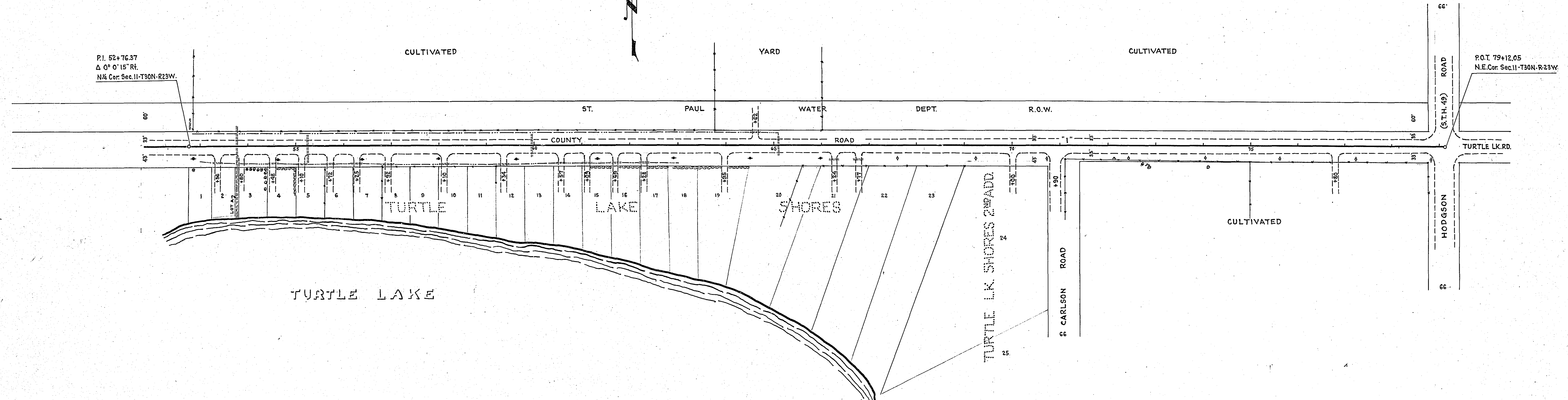
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| DATE | |
| BY | |
| PLANNED | |
| DESIGNED | |
| ENGINEER | |
| NO. | |
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| NO. | |
| NO. | |
| NO. | |
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| DATE | |
| BY | |
| PLANNED | |
| DESIGNED | |
| ENGINEER | |
| NO. | |
| NO. | |
| NO. | |
| NO. | |
| NO. | |
| NO. | |
| NO. | |



53+36 Rt. Inp. 15'x20' C.M.
 53+75 & Inp. 12" W.I.P.
 54+48 Rt. Inp. 12'x20' C.M.
 55+10 Rt. Inp. 12'x20' C.M.
 55+21 & Inp. 24'x48' C.M.
 55+72 Rt. Inp. 12'x20' C.M.
 56+25 Rt. Inp. 15'x20' C.M.
 56+92 Rt. Inp. 12'x20' C.M.
 58+10 Rt. Inp. 15'x20' C.M.
 59+34 Rt. Inp. 15'x20' C.M.
 59+99 & Inp. 24'x44' C.M.
 60+57 Rt. Inp. 15'x20' C.M.
 61+09 Rt. Inp. 15'x20' C.M.
 61+69 Rt. Inp. 15'x20' C.M.
 62+28 Rt. Inp. 15'x20' C.M.
 64+62 Lt. Inp. 24'x22' C.M.
 65+06 & Inp. 24'x40' C.M.
 66+24 Rt. Inp. 15'x20' C.M.
 66+77 Rt. Inp. 15'x20' C.M.
 L.L. Imp. Prop.

PLAN
 SURVEYED BY DATE
 PLOTTED BY DATE
 NOTE BOOK NO. OF WA. CHECKED



P.I. 52+76.37
 $\Delta 0^\circ 0' 15''$ Rt.
 N $\frac{1}{2}$ Cor. Sec. 11-T30N-R23W.

P.O.T. 79+12.05
 N.E. Cor. Sec. 11-T30N-R23W

PROFILE
 SURVEYED BY DATE
 PLOTTED BY DATE
 NOTE BOOK NO. OF WA. CHECKED
 STRUCTURE, NOT REVISIONS

