I.C.H. 514 SEC. G-2
PORTAGE COUNTY
1923

# ATWATER - TROY ROAD

I.C.H. No. 514 SEC. G2 PET. No.

## PORTAGE COUNTY

ATWATER TOWNSHIP MARCH 1923

### INDEX


| | |
|---|---|
| Title Page | p. 1 |
| Typical Cross Section | p. |
| Plans and Profile | p. 3-7 |
| Cross Sections | p. 8-15 |
| Structural Plans | p. 16 |
| Summary Sheet | p. 17 |


### CONVENTIONAL SIGNS

- State line
- County line
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- Section line
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- Center line
- City or village line
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- Telephone or Telegraph
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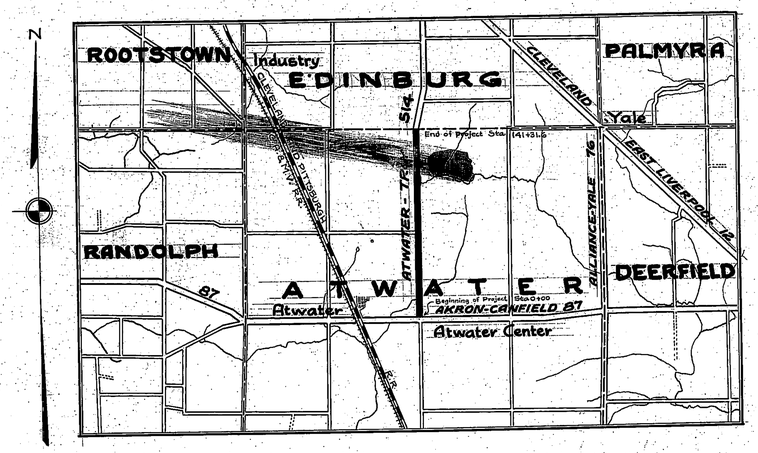


### LOCATION PLAN

SCALE OF MILES
0 ¼ ½ ¾ 1 2 3

PORTION TO BE IMPROVED
DETOURS SHOWN THUS

### SCALES

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| Plan | 1"=100' |
| Profile (Vertical) | 1"=10' |
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The Standard Specifications of the State of Ohio Division of Highways in force on date of contract will govern this improvement.

I hereby approve these plans and declare that the making of this improvement will require the closing to traffic of the highway and that detours will be provided as shown on the plan and estimates.

Approved: J. S. Walter
Date, 7/28 1924 County Surveyor

We, the Commissioners of Portage County hereby approve these plans and certify that the right-of-way, 60 feet wide, is available for the construction, maintenance and repair of the above highway.

E. Holbiter
E. F. Whitelaw
F. C. Miller

Date, 7/28/1924 County Commissioners.

3/17
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PORTAGE COUNTY
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N6°E
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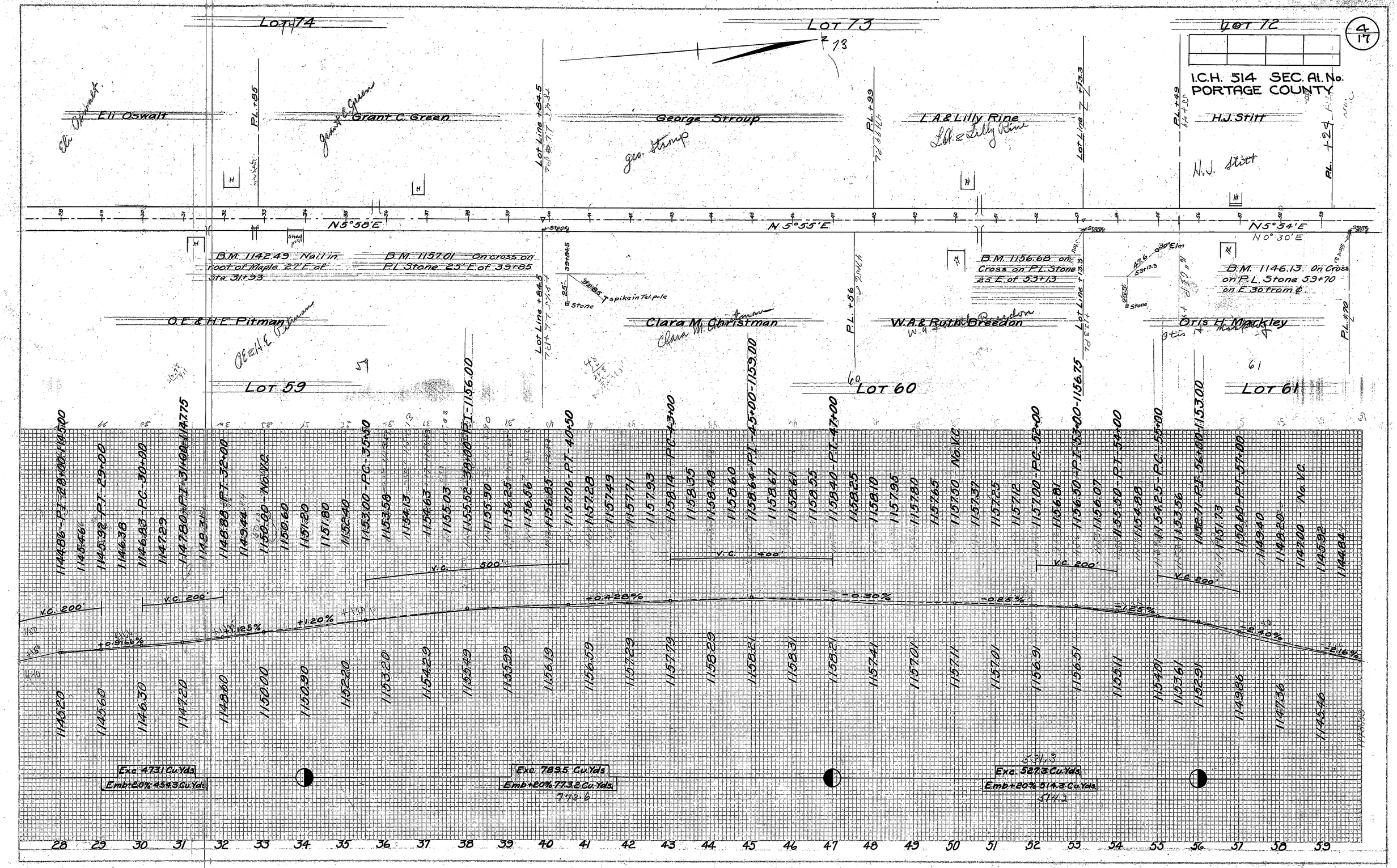
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I.C.H. 514 SEC. A1. No.
PORTAGE COUNTY
LOT 74
LOT 73
LOT 72
Eli Oswalt
Grant C. Green
George Stroup
L.A. & Lilly Rine
H.J. Stitt
N5°58'E
N.5°55'E
N5°54'E
N0°30'E
B.M. 1142.49 Nail in root of Maple 27' E. of Sta 31+93
B.M. 1157.01 On cross on P.L. Stone 25' E. of 39+85
B.M. 1156.68 on Cross on P.L. Stone 25 E. of 53+13
B.M. 1146.13 On Cross on P.L. Stone 59+70 on E. 30 from ℄
O.E. & H.E. Pitman
Clara M. Christman
W.A. & Ruth Breedon
Oris H. Mackley
LOT 59
LOT 60
LOT 61
Lot Line +84.5
P.L. +85
P.L. +99
P.L. +56
P.L. +49
P.L. +24
P.L. +70
Lot Line 73.3
Lot Line +73.3
V.C. 200'
V.C. 500'
V.C. 400'
V.C. 200'
V.C. 200'
V.C. 200'
+0.916%
+1.125%
+1.20%
+0.428%
-0.30%
-0.25%
-1.125%
-2.40%
-2.16%
Exc. 473.1 Cu.Yds.
Emb+20% 454.3 Cu.Yds.
Exc. 783.5 Cu.Yds.
Emb+20% 773.2 Cu.Yds.
793.6
Exc. 527.3 Cu.Yds.
Emb+20% 514.3 Cu.Yds.
514.2

I.C.H. 514 SEC. At. No.
PORTAGE COUNTY

LOT 72 — J.W. & Elizabeth Rizor (J.W. Elizabeth Rizor)

LOT 71 — Chester & Clara Strong (Chester & Clara Strong)

LOT 70 — Daniel Myers (Daniel Myers)

Lot Line 77.83' of Lot Line

Lot + 70 77.02'

2x2 Stone Bur. 1.8'

PL. + 24 — PL. + 09.35

B.M. 1139.31 On Cross on Stone 30' W. of ℄ 89+09.35

N. 5° 54' E

Stone 31'6

B.M. 1137.19 On PL Stone 31' E of 83+15

B.M. 1138.45 Nail in root of Maple E of 83+15

Stone 30'6

PL. + 20

Warren A. Markley (Warren A. Markley)

Lot Line

PL. + 47

Mary A. Strong (Mary A. Strong)

W. H. Strong

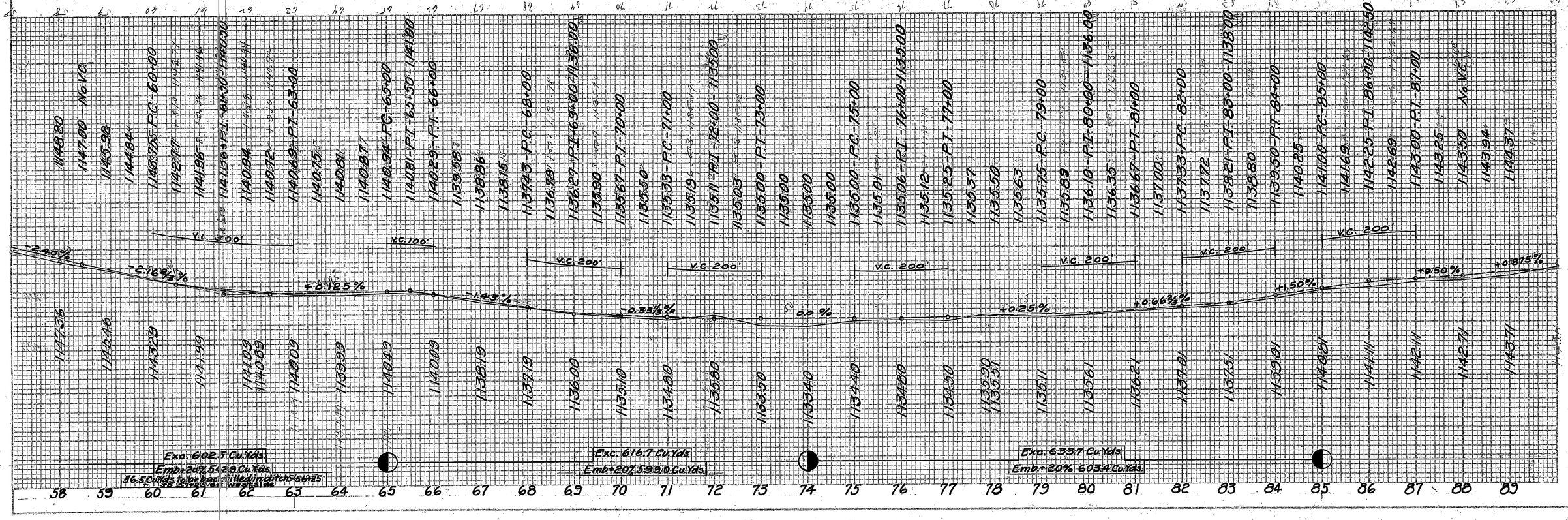
Lot Line + 73 82.4

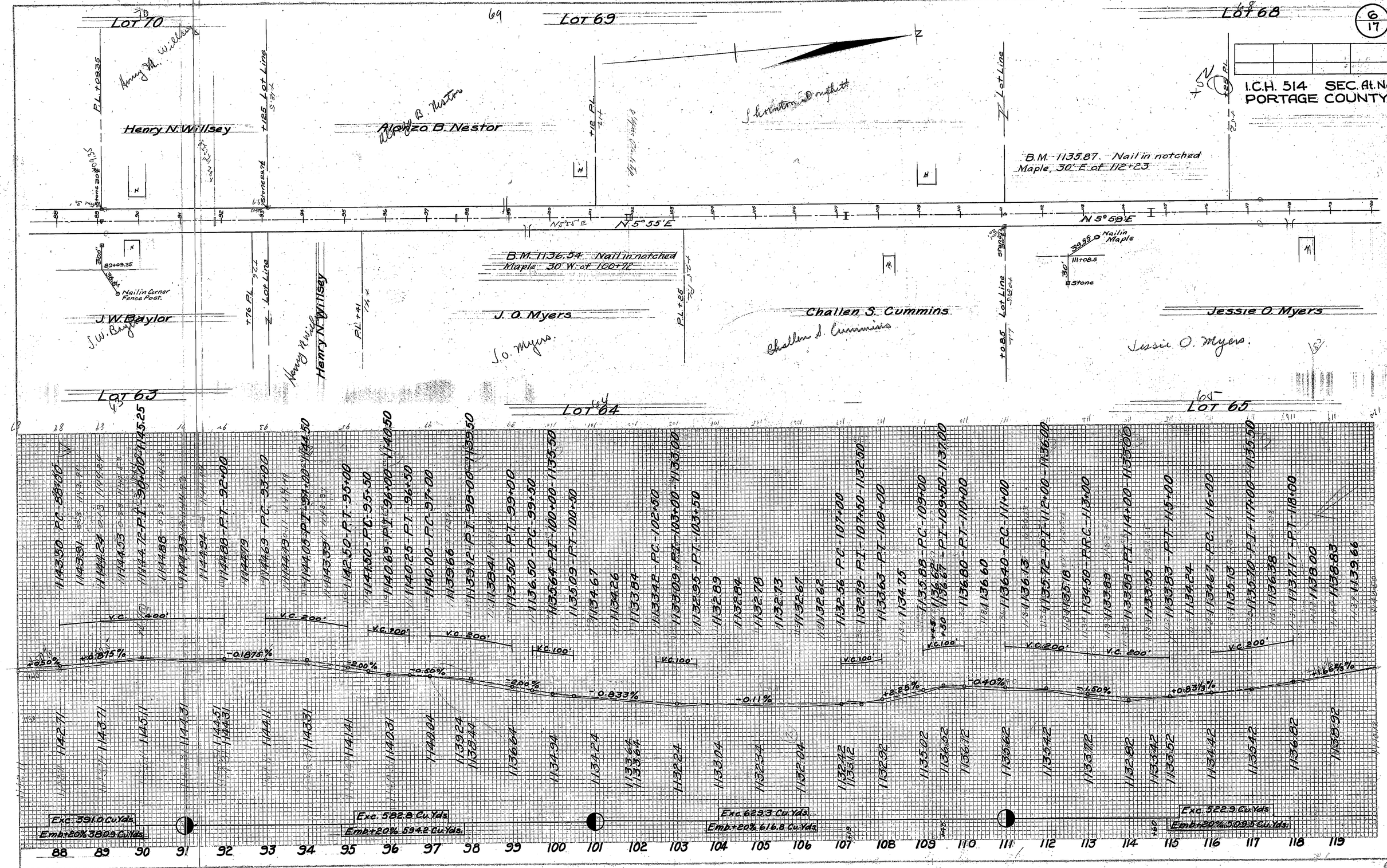
Orlo & Dulcena A. Watts (Orlo & Dulcena A. Watts)

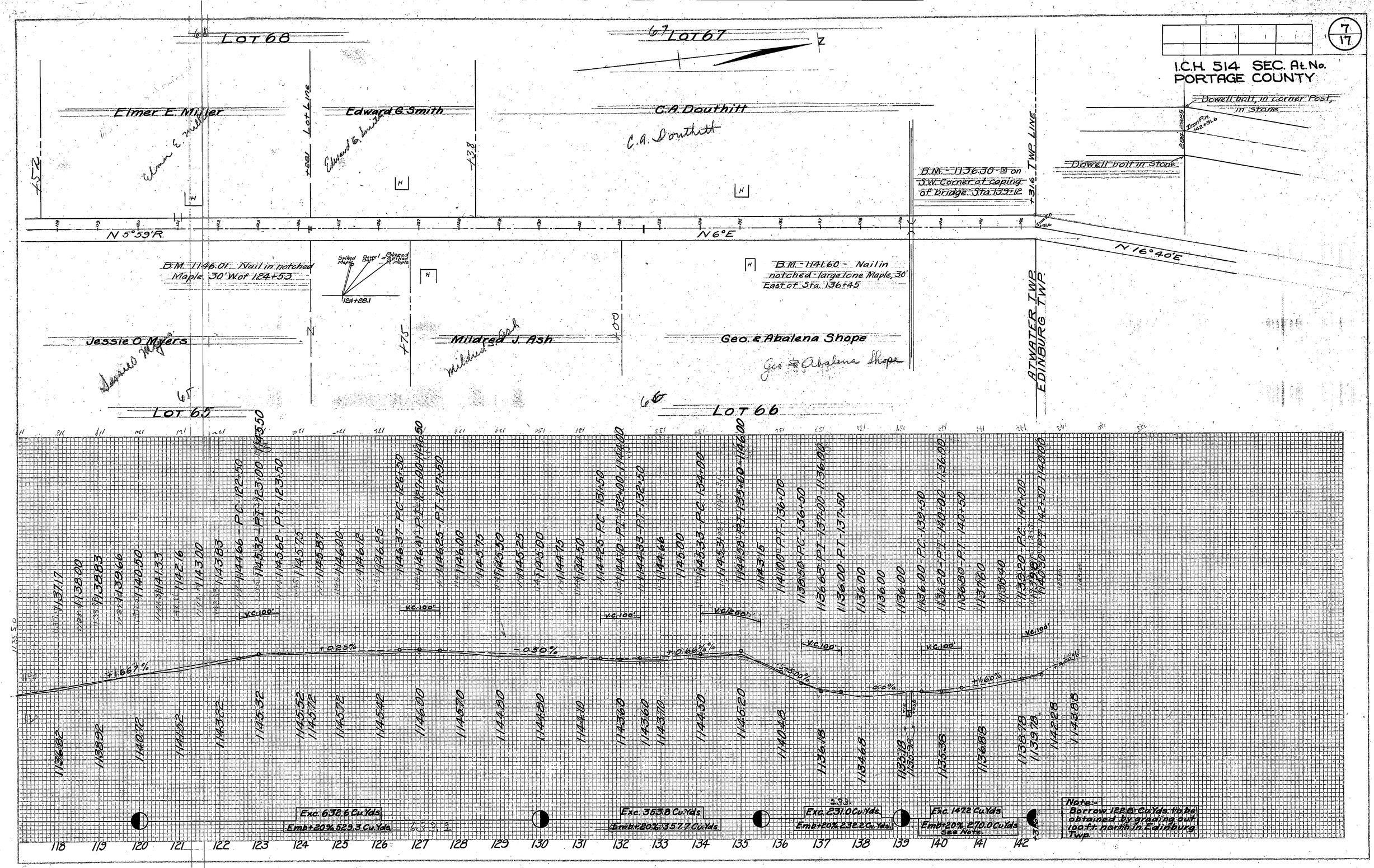
PL. + 85.5 — Lot + 87 77.26'

J.W. Baylor (J.W. Baylor)

LOT 61 — LOT 62 — LOT 63

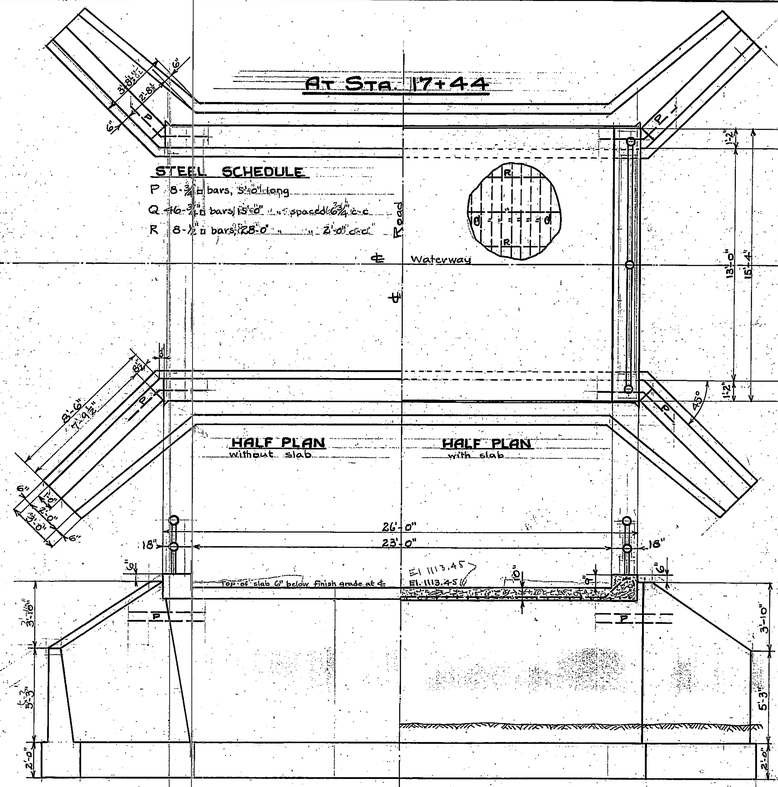



6/17
I.C.H. 514 SEC. Alt. No.
PORTAGE COUNTY
Lot 70
Lot 69
Lot 68
Lot 63
Lot 64
Lot 65
Henry N. Willsey
Alonzo B. Nestor
Shinton Smith
J. W. Baylor
J. O. Myers
Challen S. Cummins
Jessie O. Myers
Pl. +09.35
+125 Lot Line
+112 Pl.
Lot Line
+76 Pl.
Pl. +41
Pl. +25
+0.85 Lot Line
B.M. 1135.87. Nail in notched Maple, 30' E. of 112+23
B.M. 1136.54 Nail in notched Maple 30' W. of 100+72
Nail in Corner Fence Post.
Nail in Maple
Stone
N 5° 55' E
N 5° 58' E
V.C. 400'
V.C. 200'
V.C. 100'
+0.50%
+0.875%
-0.1875%
-2.00%
-0.50%
-2.00%
-0.833%
-0.11%
+2.25%
-0.40%
-1.50%
+0.833%
-1.66 2/3%
Exc. 391.0 Cu. Yds.
Emb. +20% 380.9 Cu. Yds.
Exc. 582.8 Cu. Yds.
Emb. +20% 594.2 Cu. Yds.
Exc. 629.3 Cu. Yds.
Emb. +20% 616.8 Cu. Yds.
Exc. 522.9 Cu. Yds.
Emb. +20% 509.5 Cu. Yds.


7/17
I.C.H. 514 SEC. A. No.
PORTAGE COUNTY
LOT 68
LOT 67
Elmer E. Miller
Edward G. Smith
C.A. Douthitt
Lot Line
TWP. LINE
B.M. 1136.30 on S.W. Corner of coping of bridge. Sta. 139+12
Dowell bolt, in corner Post, in Stone
Dowell bolt in Stone
N 5°59' R.
N 6° E
N 16°40' E
B.M. 1146.01 Nail in notched Maple 30' W of 124+53
Spiked Maple
Dowel Bolt
Blazed Maple
124+28.1
B.M. 1141.60 Nail in notched large lone Maple, 30' East of Sta. 136+45
Jessie O. Myers
Mildred J. Ash
Geo. & Abalena Shope
ATWATER TWP.
EDINBURG TWP.
LOT 65
LOT 66
V.C. 100'
V.C. 200'
+0.25%
-0.50%
+0.66 2/3%
+5.00%
0.0%
+1.60%
+16.67%
Exc. 632.6 Cu. Yds.
Emb. + 20% 529.3 Cu. Yds.
Exc. 353.8 Cu. Yds.
Emb. + 20% 357.7 Cu. Yds.
Exc. 231.0 Cu. Yds.
Emb. + 20% 232.2 Cu. Yds.
Exc. 147.2 Cu. Yds.
Emb. + 20% 270.0 Cu. Yds.
See Note.
Note:- Borrow 122.6 Cu. Yds. to be obtained by grading out 100 ft. north in Edinburg Twp.

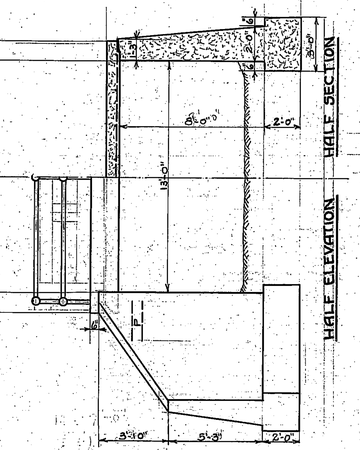
NOTE: Chamfer all exposed corners and edges. After removal of forms all exposed concrete surfaces to be rubbed with carborundum stone. See State Specifications for Rubbed Surface.

## At Sta. 17+44




**STEEL SCHEDULE**

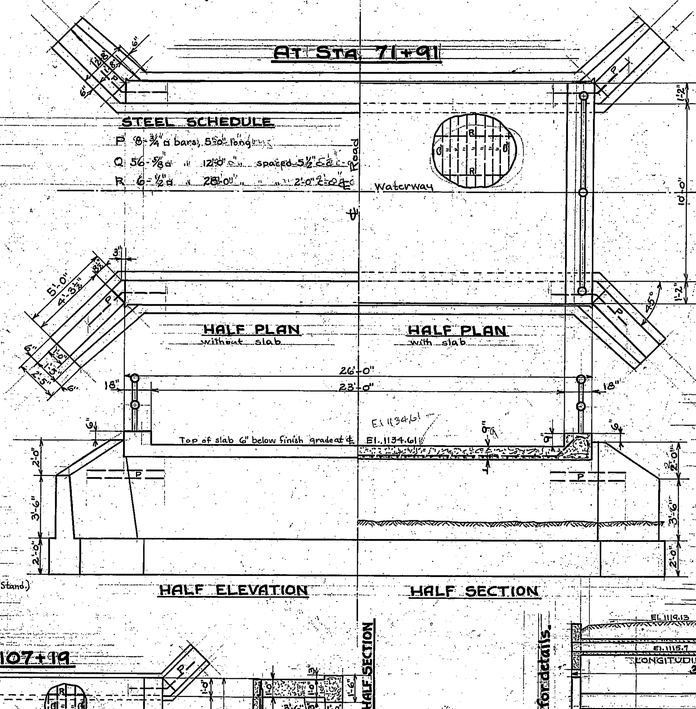
P 8-¾" □ bars, 5'-0" long
Q 46-⅝" □ bars, 15'-0" " spaced 6" c-c
R 8-½" □ bars, 28'-0" " 2'-0" c-c




**ESTIMATED QUANTITIES**

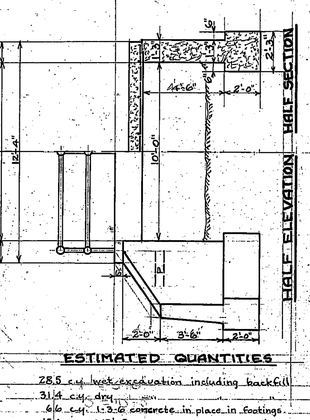
40 c.y. wet excavation including backfill
65 c.y. dry " "
103 c.y. 1-3-6 concrete in place in footings
42 c.y. 1-2½-5 " " " " walls
136 c.y. 1-2-4 " " " " slab
1587 lbs. steel reinforcing bars as per schedule
14 c.y. old stone used in concrete in footings
28 lin. ft. double galvanized pipe rail, including 6 posts (State Stand.)
Remove present stone abutments and wood top.

## At Sta. 71+91




**STEEL SCHEDULE**

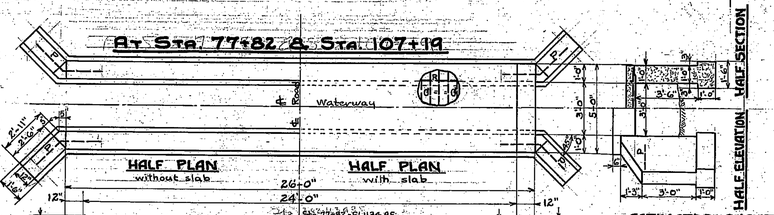
P 8-¾" □ bars, 5'-0" long
Q 56-⅝" □ " 12'-0" " spaced 3½" c-c
R 6-½" □ " 28'-0" " 2'-0" c-c




**ESTIMATED QUANTITIES**

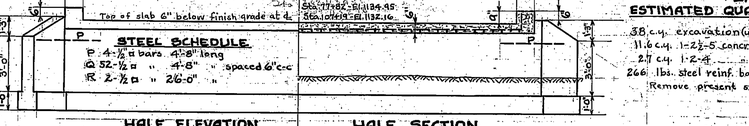
28.5 c.y. wet excavation including backfill
31.4 c.y. dry " "
66 c.y. 1-3-6 concrete in place in footings
156 c.y. 1-2½-5 " " " " walls
102 c.y. 1-2-4 " " " " slab
1114 lbs. steel reinforcing bars as per schedule
6 c.y. old stone used in concrete in footings
22 lin. ft. double galvanized pipe rail, including 6 posts (State Stand.)
Remove present stone abutments and concrete top.

## At Sta. 77+82 & Sta. 107+19




**STEEL SCHEDULE**

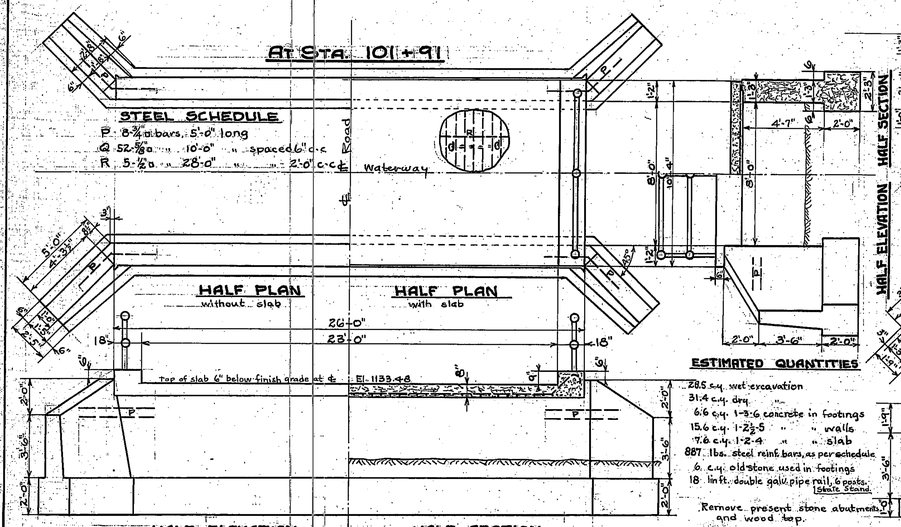
P 4-½" □ bars 4'-8" long
Q 52-½" □ " 4'-8" " spaced 6" c-c
R 2-½" □ " 26'-0" "




**ESTIMATED QUANTITIES**

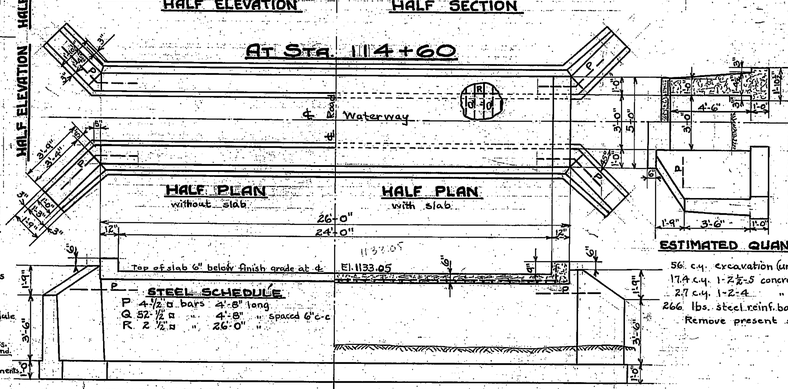
38 c.y. excavation (unclassified)
11.6 c.y. 1-2½-5 concrete in footings and walls
2.7 c.y. 1-2-4 " " slab
266 lbs. steel reinf. bars as per schedule
Remove present stone box

## At Sta. 101+91




**STEEL SCHEDULE**

P 8-¾" □ bars, 5'-0" long
Q 52-⅝" □ " 10'-0" " spaced 6" c-c
R 5-½" □ " 28'-0" " 2'-0" c-c




**ESTIMATED QUANTITIES**

28.5 c.y. wet excavation
31.4 c.y. dry " "
6.6 c.y. 1-3-6 concrete in footings
15.6 c.y. 1-2½-5 " " " walls
7.6 c.y. 1-2-4 " " " slab
887 lbs. steel reinf. bars as per schedule
6 c.y. old stone used in footings
18 lin. ft. double galv. pipe rail, 6 posts. (State Stand.)
Remove present stone abutments and wood top.

## At Sta. 1114+60




**STEEL SCHEDULE**

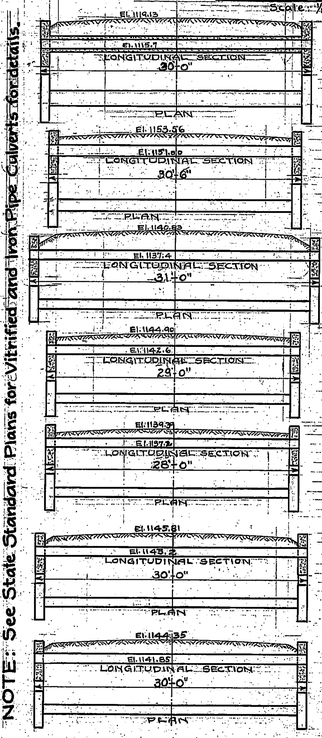
P 4-½" □ bars 4'-8" long
Q 52-½" □ " 4'-8" " spaced 6" c-c
R 2-½" □ " 26'-0" "

**ESTIMATED QUANTITIES**

56 c.y. excavation (unclassified)
17.4 c.y. 1-2½-5 concrete in footings and walls
2.7 c.y. 1-2-4 " " slab
266 lbs. steel reinf. bars as per schedule.
Remove present stone box

## PIPE CULVERTS

Scale: ⅛" = 1 foot




**At Sta. 10+48**
12" Vit. Pipe, reinf. conc. headwalls, (State Standard)
ESTIMATED QUANTITIES
10 c.y. excavation
2 c.y. 1-2-4 concrete
3 c.y. 1-3-6 concrete
20 lin. ft. 12" vit. pipe (old) relaid
16 lin. ft. 12" vit. pipe (new)
65 lbs. steel reinforcement

**At Sta. 55+48**
16" C.I. Pipe, reinf. conc. headwalls, (State Standard)
ESTIMATED QUANTITIES
5 c.y. excavation
1.7 c.y. 1-2-4 concrete
18.5 lin. ft. 16" C.I. Pipe (old) relaid
12.0 lin. ft. 16" C.I. pipe (new)
50 lbs. steel reinforcement

**At Sta. 62+24**
12" C.I. Pipe, reinf. conc. headwalls, State Standard
ESTIMATED QUANTITIES
8 c.y. excavation
1.3 c.y. 1-2-4 concrete
23.0 lin. ft. 12" C.I. pipe (old) relaid
8.0 lin. ft. 12" sectional C.I. from Sta. 12+32
40 lbs. steel reinforcement

**At Sta. 91+82**
12" C.I. Pipe, reinf. conc. headwalls, State Standard
ESTIMATED QUANTITIES
8 c.y. excavation
1.3 c.y. 1-2-4 concrete
21.0 lin. ft. 12" C.I. pipe (old) relaid
8.0 lin. ft. 12" sectional C.I. pipe from Sta. 12+32
40 lbs. steel reinforcement

**At Sta. 97+72**
12" C.I. Pipe, reinf. conc. headwalls, State Standard
ESTIMATED QUANTITIES
5 c.y. excavation
1.3 c.y. 1-2-4 concrete
24 lin. ft. (new) solid C.I. pipe
4 lin. ft. old sectional C.I. pipe from Sta. 12+32
40 lbs. steel reinforcement

**At Sta. 124+24**
12" C.I. Pipe, reinf. conc. headwalls, State Standard
ESTIMATED QUANTITIES
5 c.y. excavation
1.3 c.y. 1-2-4 concrete
30 lin. ft. solid C.I. pipe
40 lbs. steel reinforcement

**At Sta. 132+57**
12" C.I. Pipe, reinf. conc. headwalls, State Standard
ESTIMATED QUANTITIES
5 c.y. excavation
1.3 c.y. 1-2-4 concrete
30 lin. ft. solid C.I. pipe
40 lbs. steel reinforcement

NOTE: See State Standard Plans for Vitrified and Iron Pipe Culverts for details.

# STRUCTURES FOR ATWATER--TROY ROAD

ATWATER CENTER NORTH TO EDINBURG LINE

Scale: ¼" & ⅛" = 1 foot

Portage County, Ohio.

514-C2

I.C.H. 514 SEC. G-2
PORTAGE COUNTY
1923

# ATWATER - TROY ROAD

I.C.H. No. 514 SEC. G2 PET. No.

## PORTAGE COUNTY

ATWATER TOWNSHIP MARCH 1923

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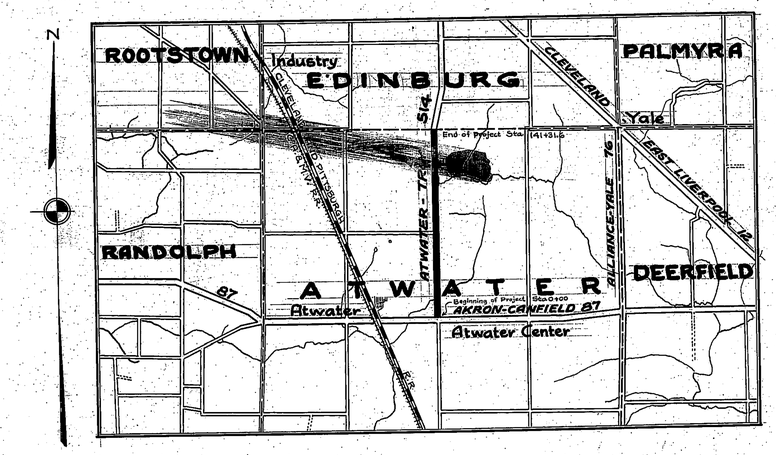


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0 ¼ ½ ¾ 1 2 3

PORTION TO BE IMPROVED
DETOURS SHOWN THUS

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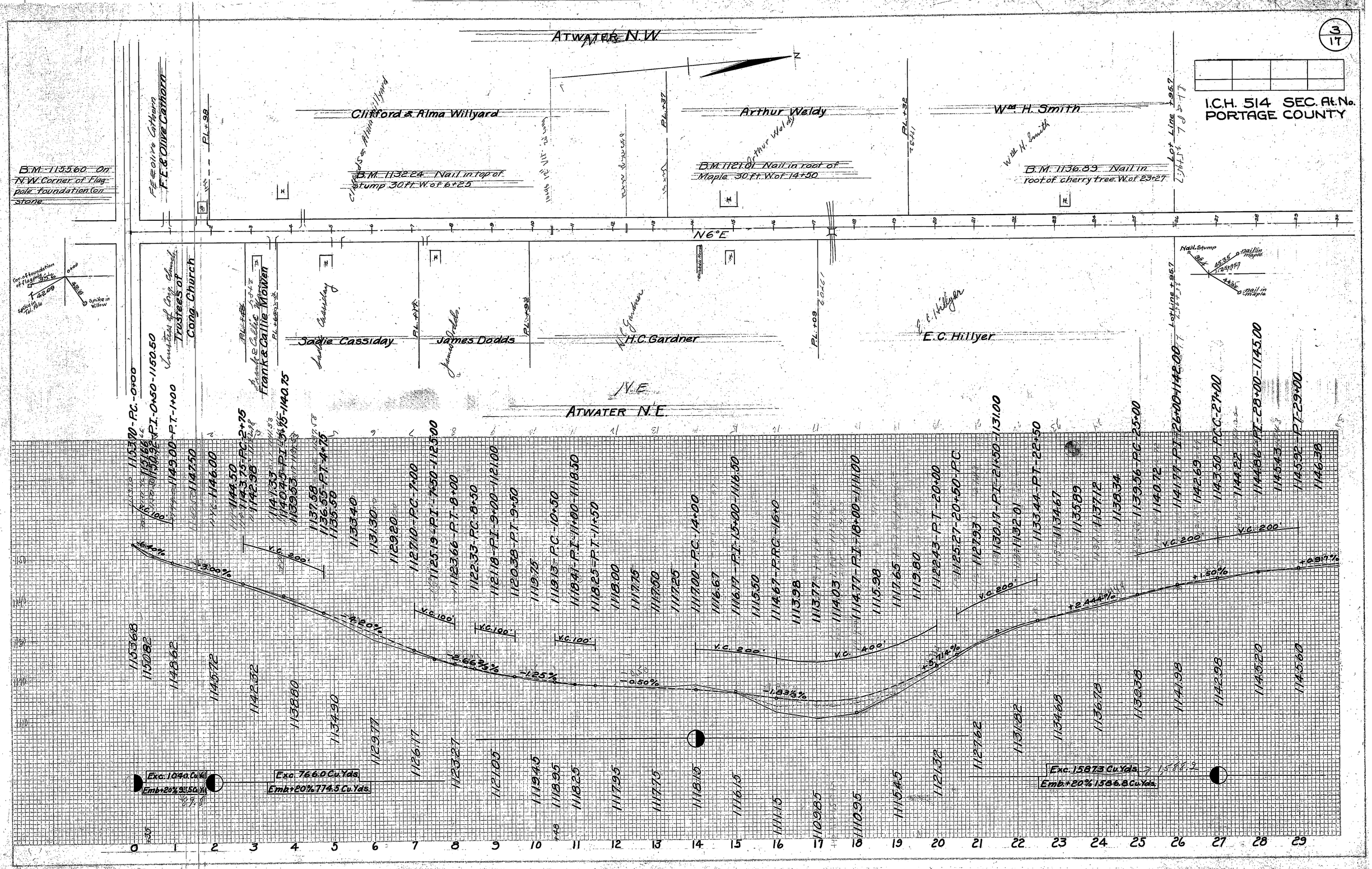
Approved: J. S. Walter
Date, 7/28 1924 County Surveyor

We, the Commissioners of Portage County hereby approve these plans and certify that the right-of-way, 60 feet wide, is available for the construction, maintenance and repair of the above highway.

E. Holbrter
E. F. Whitelney
F. O. Miller

Date, 7/28/1924 County Commissioners.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B.M. 1132.24 Nail in top of stump 30 ft. W. of 6+25
B.M. 1121.01 Nail in root of Maple 30 ft. W. of 14+50
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Lot Line 95.7
Exc. 1040 Cu. Yd.
Emb. + 20% 832.5 Cu. Yd.
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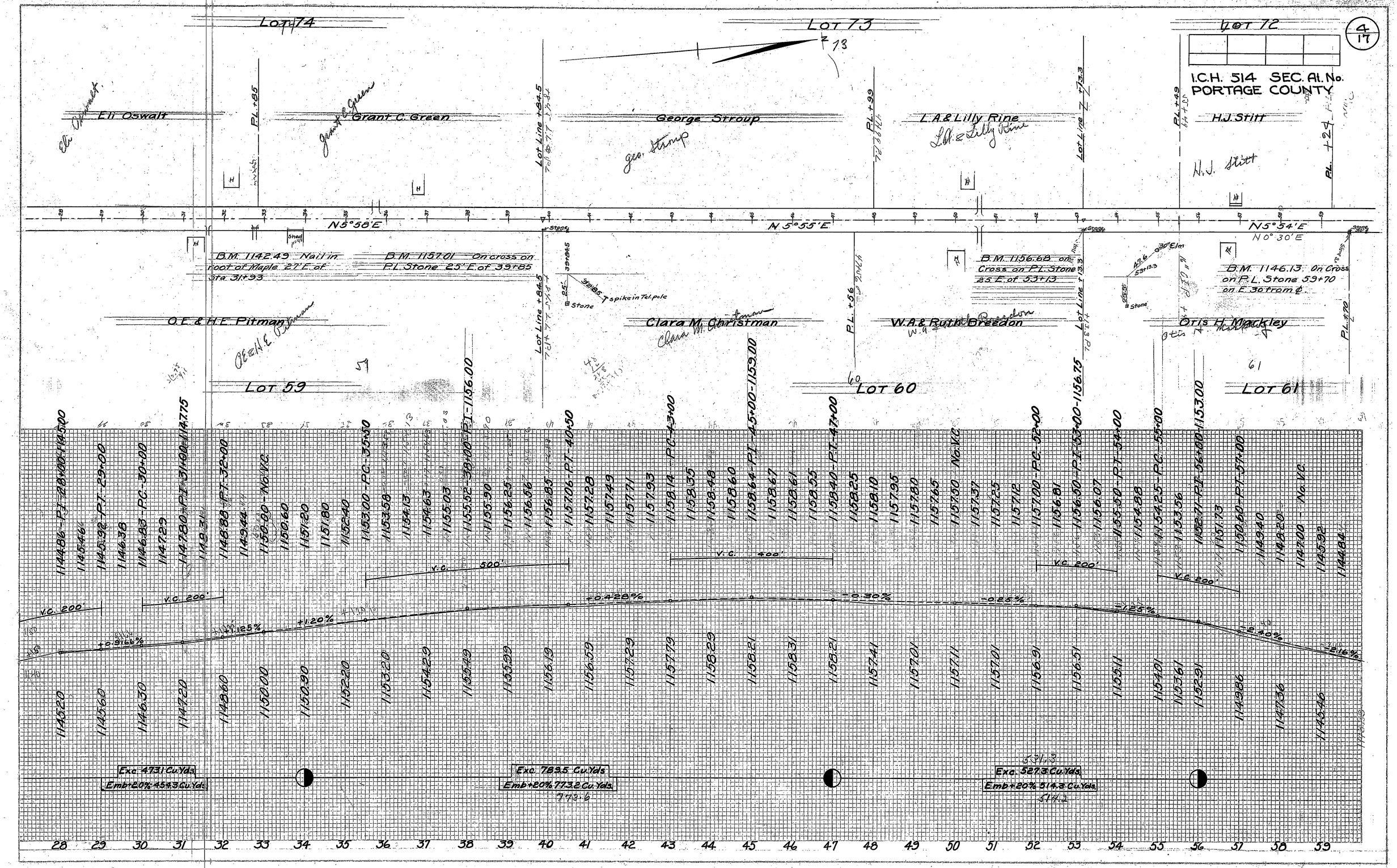
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N5°58'E
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N5°54'E
N0°30'E
B.M. 1142.49 Nail in root of Maple 27' E. of Sta 31+93
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B.M. 1156.68 on Cross on P.L. Stone 25' E. of 53+13
B.M. 1146.13 On Cross on P.L. Stone 53+70 on E. 30 from ℄
spike in Tel. pole
LOT 59
LOT 60
LOT 61
V.C. 200'
V.C. 500'
V.C. 400'
V.C. 200'
V.C. 200'
V.C. 200'
+0.916%
+1.125%
+1.20%
+0.428%
-0.30%
-0.25%
+1.125%
+2.40%
+2.16%
Exc. 473.1 Cu.Yds.
Emb+20% 454.3 Cu.Yds.
Exc. 783.5 Cu.Yds.
Emb+20% 773.2 Cu.Yds.
Exc. 527.3 Cu.Yds.
Emb+20% 514.3 Cu.Yds.

I.C.H. 514 SEC. At. No.
PORTAGE COUNTY

LOT 72 — J.W. & Elizabeth Rizor (J.W. Elizabeth Rizor)

LOT 71 — Chester & Clara Strong (Chester & Clara Strong)

LOT 70 — Daniel Myers (Daniel Myers)

Rt. +24 — Rt. +24

Lot Line +30 — 77.5 ft. of Lot Line

2x2 Stone Bur. +8

Lot +70 — 77.0 ft.

Rt. +03.35

B.M. 1139.31 On Cross on Stone 30' W. of ℄ 89+03.35

Stone 30' E

N. 5° 54' E

Stone 31' E

B.M. 1137.19 On Rt. Stone 31' E of 83+15

B.M. 1138.45 Nail in root of Maple E of 83+15

Rt. +20 — Stone 30' E

Lot Line

Rt. +47

Lot Line +73 — 82.4

Rt. +85.5 — Lot 67 — 74.0 ft. — Stone 28.5' E

W.H. Strong

Warren A. Markley (Warren A. Markley)

Mary A. Strong (Mary A. Strong)

Orlo & Dulcena A. Watts (Orlo & Dulcena A. Watts)

J.W. Baylor (J.W. Baylor)

LOT 61 — LOT 62 — LOT 63

| Station | Elevation | Grade |
|---|---|---|
| 58 | 1147.20 | |
| 59 | 1147.00 | No V.C. |
| 60 | 1146.92 | |
| 61 | 1144.84 | |
| 62 | 1143.75 | P.C. - 60+00 |
| 63 | 1142.77 | |
| 64 | 1141.96 | |
| 65 | 1141.96 | P.I. - 64+10 - 1141.90 |
| 66 | 1140.94 | |
| 67 | 1140.12 | |
| 68 | 1140.69 | P.T. - 63+00 |
| 69 | 1140.75 | |
| 70 | 1140.81 | |
| 71 | 1140.87 | |
| 72 | 1140.94 | P.C. - 65+00 |
| 73 | 1141.08 | P.I. - 65+50 - 1141.00 |
| 74 | 1140.29 | P.T. - 66+00 |
| 75 | 1139.58 | |
| 76 | 1138.86 | |
| 77 | 1138.15 | |
| 78 | 1137.43 | P.C. - 68+00 |
| 79 | 1136.78 | |
| 80 | 1136.27 | P.I. - 69+00 - 1136.00 |
| 81 | 1135.90 | |
| 82 | 1135.67 | P.T. - 70+00 |
| 83 | 1135.50 | |
| 84 | 1135.33 | P.C. - 71+00 |
| 85 | 1135.19 | |
| 86 | 1135.11 | P.I. - 72+00 - 1135.00 |
| 87 | 1135.03 | |
| 88 | 1135.00 | P.T. - 73+00 |
| 89 | 1135.00 | |
| 90 | 1135.00 | |
| 91 | 1135.00 | |
| 92 | 1135.00 | P.C. - 75+00 |
| 93 | 1135.01 | |
| 94 | 1135.06 | P.I. - 76+00 - 1135.00 |
| 95 | 1135.12 | |
| 96 | 1135.25 | P.T. - 77+00 |
| 97 | 1135.37 | |
| 98 | 1135.50 | |
| 99 | 1135.63 | |
| 100 | 1135.75 | P.C. - 79+00 |
| 101 | 1135.89 | |
| 102 | 1136.10 | P.I. - 80+00 - 1136.00 |
| 103 | 1136.35 | |
| 104 | 1136.67 | P.T. - 81+00 |
| 105 | 1137.00 | |
| 106 | 1137.33 | P.C. - 82+00 |
| 107 | 1137.72 | |
| 108 | 1138.21 | P.I. - 83+00 - 1138.00 |
| 109 | 1138.80 | |
| 110 | 1139.50 | P.T. - 84+00 |
| 111 | 1140.25 | |
| 112 | 1141.00 | P.C. - 85+00 |
| 113 | 1141.69 | |
| 114 | 1142.25 | P.I. - 86+00 - 1142.50 |
| 115 | 1142.69 | |
| 116 | 1143.00 | P.T. - 87+00 |
| 117 | 1143.25 | |
| 118 | 1143.50 | No V.C. |
| 119 | 1143.94 | |
| 120 | 1144.37 | |

V.C. 100' — V.C. 100' — V.C. 200' — V.C. 200' — V.C. 200' — V.C. 200 — V.C. 200' — V.C. 200'

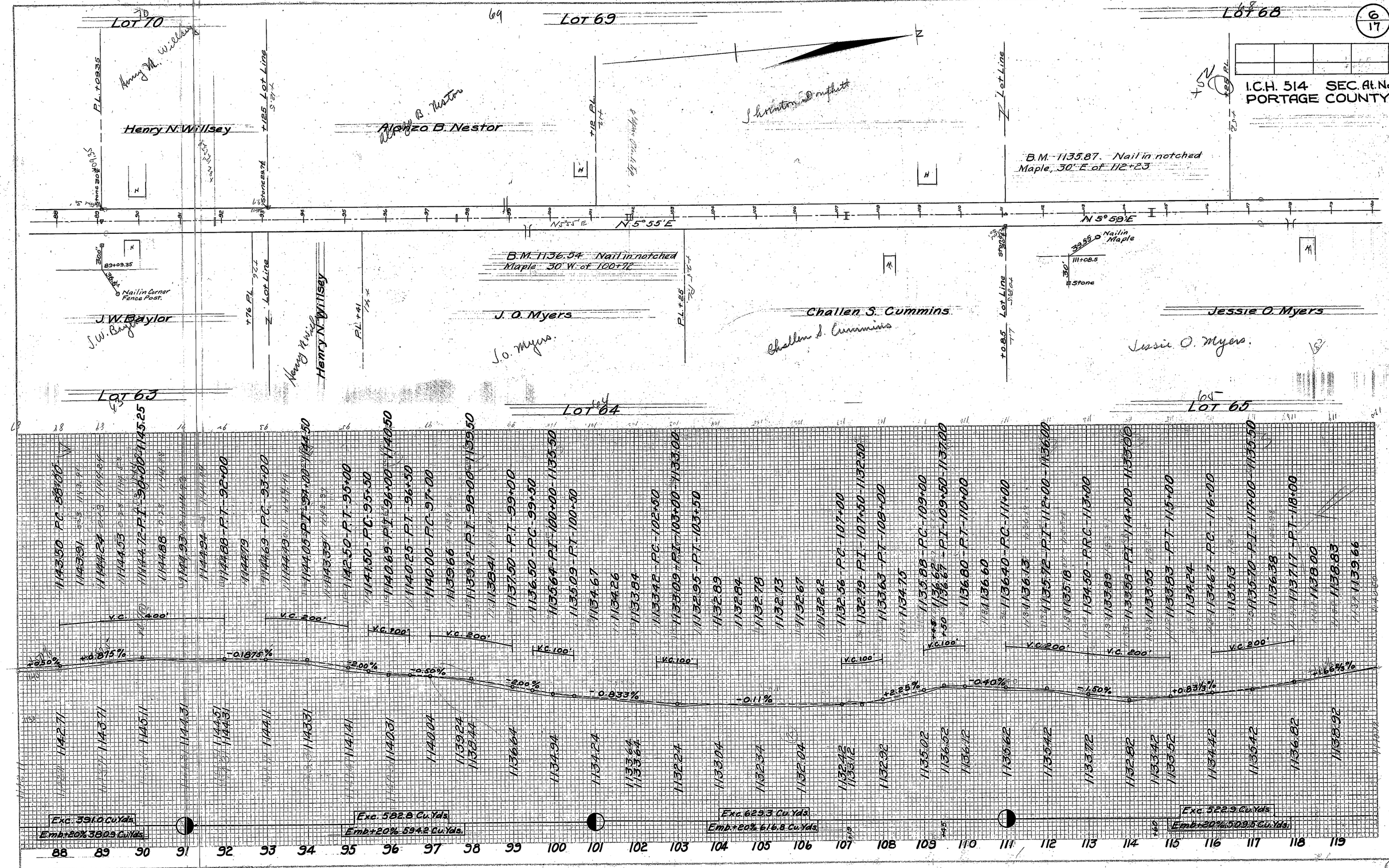
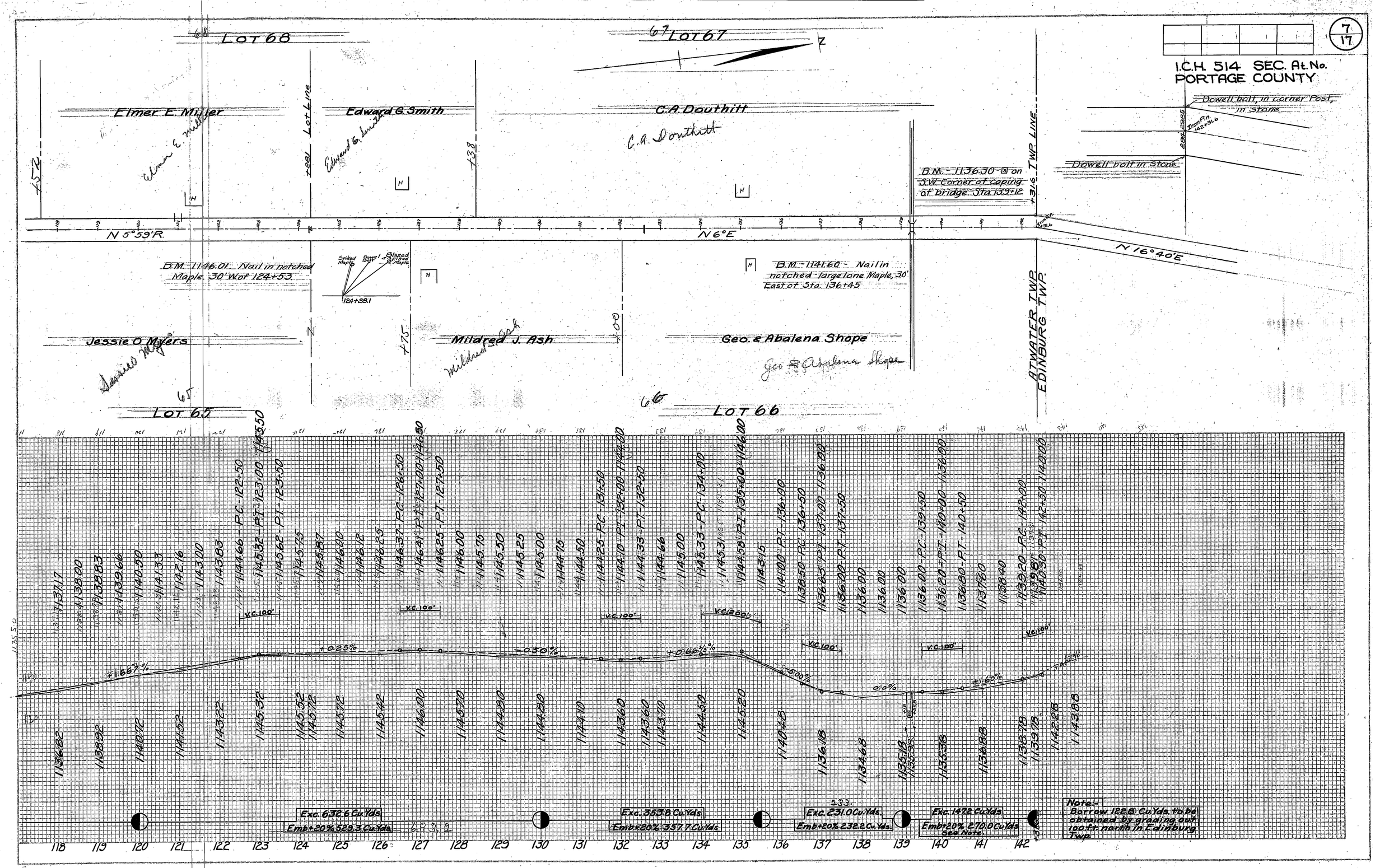
-2.40% — -2.16⅔% — +0.125% — -1.43% — -0.33⅓% — 0.0% — +0.25% — +0.66⅔% — +1.50% — +0.675%

| Station | Elevation |
|---|---|
| 58 | 1147.36 |
| 59 | 1146.46 |
| 60 | 1145.29 |
| 61 | 1144.39 |
| 62 | 1144.09 |
| 63 | 1144.09 |
| 64 | 1143.99 |
| 65 | 1144.49 |
| 66 | 1144.09 |
| 67 | 1143.19 |
| 68 | 1142.19 |
| 69 | 1141.00 |
| 70 | 1140.20 |
| 71 | 1139.50 |
| 72 | 1138.80 |
| 73 | 1138.50 |
| 74 | 1138.40 |
| 75 | 1138.40 |
| 76 | 1138.50 |
| 77 | 1138.70 |
| 78 | 1138.91 |
| 79 | 1139.11 |
| 80 | 1139.61 |
| 81 | 1140.21 |
| 82 | 1140.91 |
| 83 | 1141.71 |
| 84 | 1142.41 |
| 85 | 1143.11 |
| 86 | 1143.71 |
| 87 | 1144.21 |
| 88 | 1144.61 |
| 89 | 1144.91 |

Exc. 602.5 Cu. Yds.
Emb. + 20% 542.9 Cu. Yds.
56.5 Cu. Yds. to be backfilled in ditch - 66+25 to 67+25 on westside

Exc. 616.7 Cu. Yds.
Emb. + 20% 599.0 Cu. Yds.

Exc. 633.7 Cu. Yds.
Emb. + 20% 603.4 Cu. Yds.


6/17
I.C.H. 514 SEC. Alt. No.
PORTAGE COUNTY
Lot 70
Lot 69
Lot 68
Lot 63
Lot 64
Lot 65
Henry N. Willsey
Alonzo B. Nestor
Shinton Smith
J. W. Baylor
J. O. Myers
Challen S. Cummins
Jessie O. Myers
B.M. 1135.87. Nail in notched Maple, 30' E. of 112+23
B.M. 1136.54 Nail in notched Maple 30' W. of 100+72
Nail in Corner Fence Post.
Nail in Maple
Stone
N 5° 55' E
N 5° 58' E
Exc. 391.0 Cu. Yds.
Emb. +20% 380.9 Cu. Yds.
Exc. 582.8 Cu. Yds.
Emb. +20% 594.2 Cu. Yds.
Exc. 629.3 Cu. Yds.
Emb. +20% 616.8 Cu. Yds.
Exc. 522.9 Cu. Yds.
Emb. +20% 509.5 Cu. Yds.

I.C.H. 514 SEC. A. No.
PORTAGE COUNTY