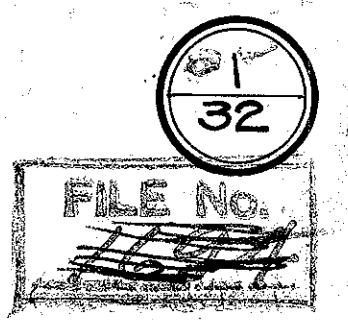


5010

For any Questions Please Contact ODOT District 2 Real estate at 419-353-8131

| FED. RD. DIST. NO. | STATE | FED. AID PROJECT | FISCAL YEAR. |
|--------------------|-------|------------------|--------------|
| 10 | OHIO | 257 | 1922 |



I.C.H. 22 SEC. T & U
SANDUSKY COUNTY

STATE OF OHIO
DEPARTMENT OF HIGHWAYS AND PUBLIC WORKS
DIVISION OF HIGHWAYS
BUREAU OF CONSTRUCTION

LIMA SANDUSKY ROAD

I.C.H. 22 - SEC. T & U - PET. No. 4475

SANDUSKY COUNTY

JACKSON TWP. MARCH, 1922.

CONVENTIONAL SIGNS

| | |
|--------------------------|-------|
| County Line | ----- |
| Township Line | ----- |
| Section Line | ----- |
| Property Line not fenced | ----- |
| Center Line | ----- |
| City or Village Line | ----- |
| Fence | ----- |
| Telephone or Telegraph | ----- |
| Steam Railroad | ----- |
| Electric Line | ----- |

INDEX

| | |
|-----------------------|----------|
| Title Page | p. 1 |
| Typical Cross Section | p. 2 |
| Plans and Profile | p. 3-12 |
| Cross Sections | p. 13-29 |
| Structural Plans | p. 30-31 |
| Summary | p. 32 |

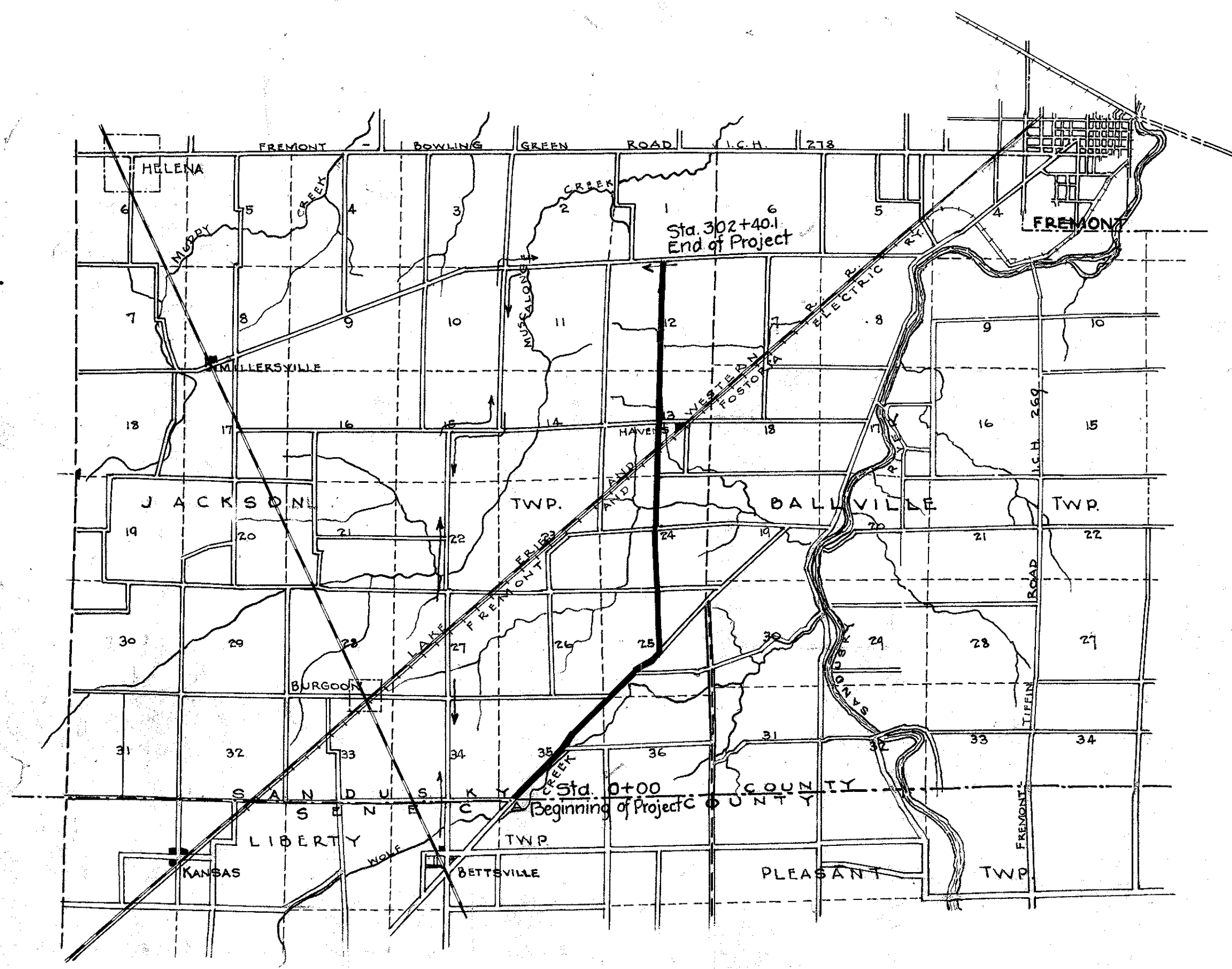
The Standard Specifications of the State of Ohio Division of Highways in force on date of contract will govern this improvement.

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

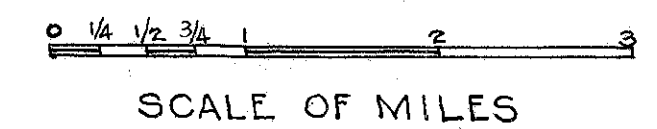
We, the Commissioners of Sandusky County hereby approve these plans and certify that the right-of-way is available for the construction, maintenance and repair of the above highway.

R. H. Rogers
H. J. Robinson
G. L. Clarke

Date 4-12-1922. County Commissioners.

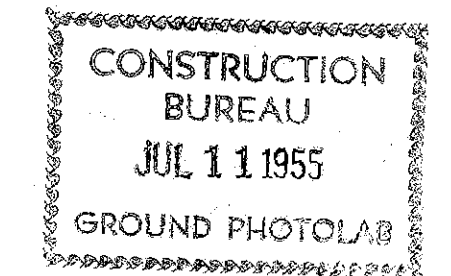


LOCATION PLAN



PORTION TO BE IMPROVED
 DETOURS SHOWN THUS
 SCALES
 Plan 1" = 100' Profile (vertical) 1" = 10'
 Cross Sections 1" = 5' Profile (horizontal) 1" = 100'

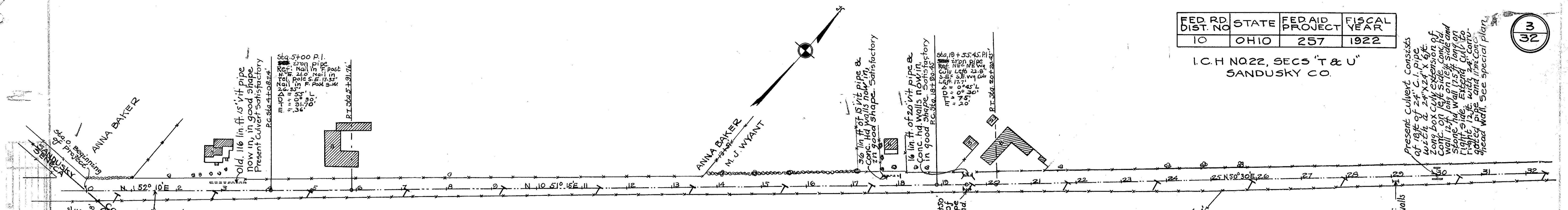
Approved Date 4-13-22 *L. W. Wismar* Resident Engineer
 Approved Date 4-13-22 *John F. Mallin* Division Engineer
 Approved Date 4-27-22 *E. J. ...* State Highway Engineer
 Approved Date 5/2/22 *Leon C. Henrich* Director of Highways and Public Works.
 Recommended for Approved Date _____ District Engineer, Bureau of Public Roads
 Recommended for Approved Date _____ Chief Engineer, Bureau of Public Roads.
 Approved Date _____ Chief of Bureau.



File # 19

| FED RD DIST. NO | STATE | FED AID PROJECT | FISCAL YEAR |
|-----------------|-------|-----------------|-------------|
| 10 | OHIO | 257 | 1922 |

I.C.H NO22, SECS 'T & U'
SANDUSKY CO.



| Left | | | Right | | |
|-------------|------|---------|---------|------|-------------|
| Edge of Pav | Wid | Sta | Gr. El. | Wid | Edge of Pav |
| 700.12 | 8.00 | 3+38.24 | 700.28 | 8.00 | 700.18 |
| 700.02 | 8.00 | 3+38.24 | 700.18 | 8.00 | 700.06 |
| 699.92 | 8.00 | 4+08.24 | 700.08 | 8.00 | 700.01 |
| 699.82 | 8.00 | 4+38.24 | 699.98 | 8.00 | 699.95 |
| 699.72 | 8.00 | 4+38.24 | 699.88 | 8.00 | 699.90 |
| 699.64 | 8.00 | 4+78 | 699.80 | 8.00 | 699.82 |
| 699.54 | 8.00 | 5+00 | 699.70 | 8.00 | 699.72 |
| 699.44 | 8.00 | 5+25 | 699.60 | 8.00 | 699.62 |
| 699.36 | 8.00 | 5+41.76 | 699.52 | 8.00 | 699.54 |
| 699.26 | 8.00 | 5+66.76 | 699.42 | 8.00 | 699.39 |
| 699.16 | 8.00 | 5+91.76 | 699.32 | 8.00 | 699.24 |
| 699.06 | 8.00 | 6+16.76 | 699.22 | 8.00 | 699.10 |
| 698.96 | 8.00 | 6+41.76 | 699.12 | 8.00 | 698.96 |

No extra pavement

| Left | | | Right | | |
|-------------|------|----------|---------|------|-------------|
| Edge of Pav | Wid | Sta | Gr. El. | Wid | Edge of Pav |
| 693.16 | 8.00 | 18+40.45 | 693.32 | 8.00 | 693.16 |
| 692.98 | 8.00 | 18+65.45 | 693.14 | 8.00 | 693.18 |
| 692.81 | 8.00 | 18+20.45 | 692.97 | 8.00 | 692.90 |
| 692.63 | 8.00 | 19+15.45 | 692.79 | 8.00 | 692.76 |
| 692.46 | 8.00 | 19+40.45 | 692.62 | 8.00 | 692.64 |
| 692.29 | 8.00 | 19+65.45 | 692.45 | 8.00 | 692.47 |
| 692.25 | 8.00 | 19+70.45 | 692.41 | 8.00 | 692.43 |
| 692.07 | 8.00 | 19+25.45 | 692.23 | 8.00 | 692.20 |
| 691.90 | 8.00 | 20+20.45 | 692.06 | 8.00 | 691.99 |
| 691.72 | 8.00 | 20+45.45 | 691.88 | 8.00 | 691.92 |
| 691.55 | 8.00 | 20+70.45 | 691.71 | 8.00 | 691.55 |

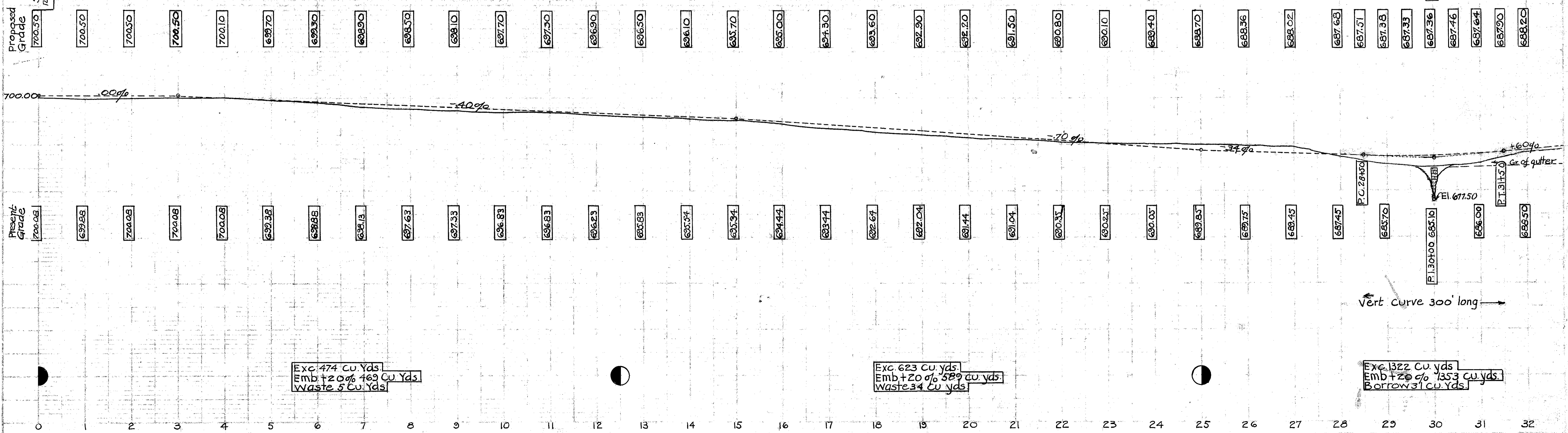
No extra pavement

B.M. Sta. 3+20'
Top NE^c N. End
Lower step of N.
Steps House Left.
Elev. 702.55

Note: Grade Line Shown is
Crown of finished pavement.

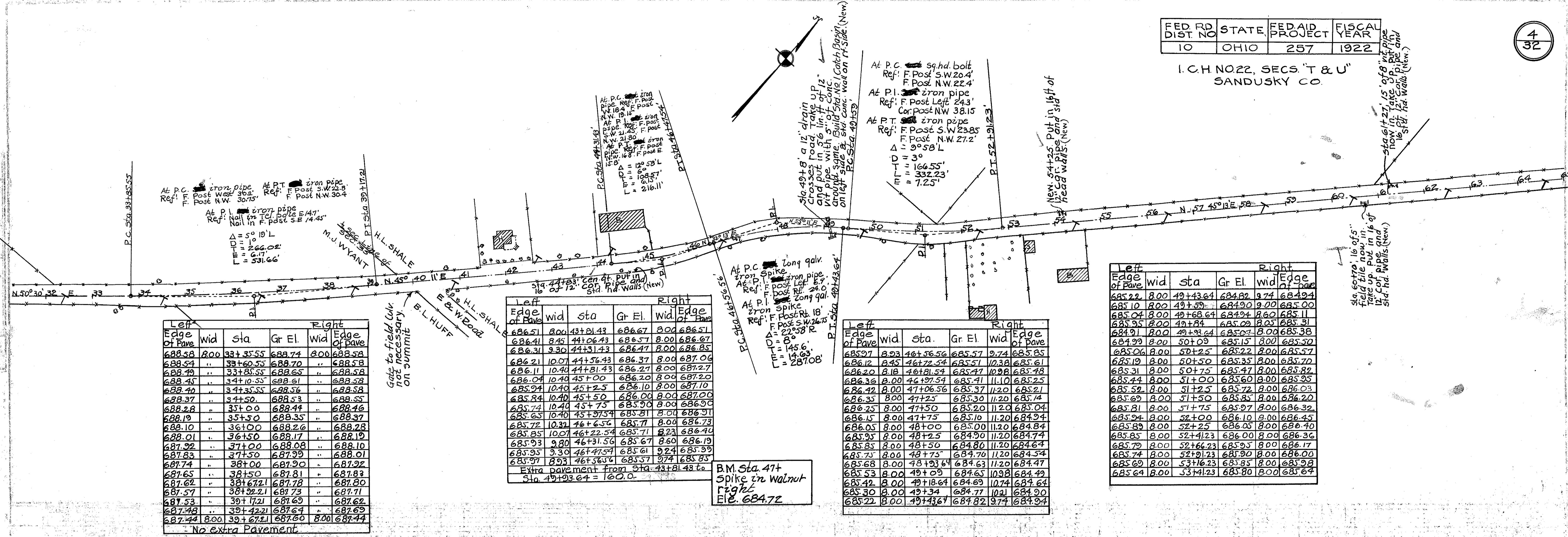
B.M. Sta. 18+
NE^c Lower
Step House
Left.
Elev. 693.16

B.M. Sta. 30+10
N.W. Left Head
Wall Conc
Culv.
Elev. 685.12



| FED. RD DIST. NO. | STATE | FED. AID PROJECT | FISCAL YEAR |
|-------------------|-------|------------------|-------------|
| 10 | OHIO | 257 | 1922 |

I. C. H. NO. 22, SECS. "T & U"
SANDUSKY CO.



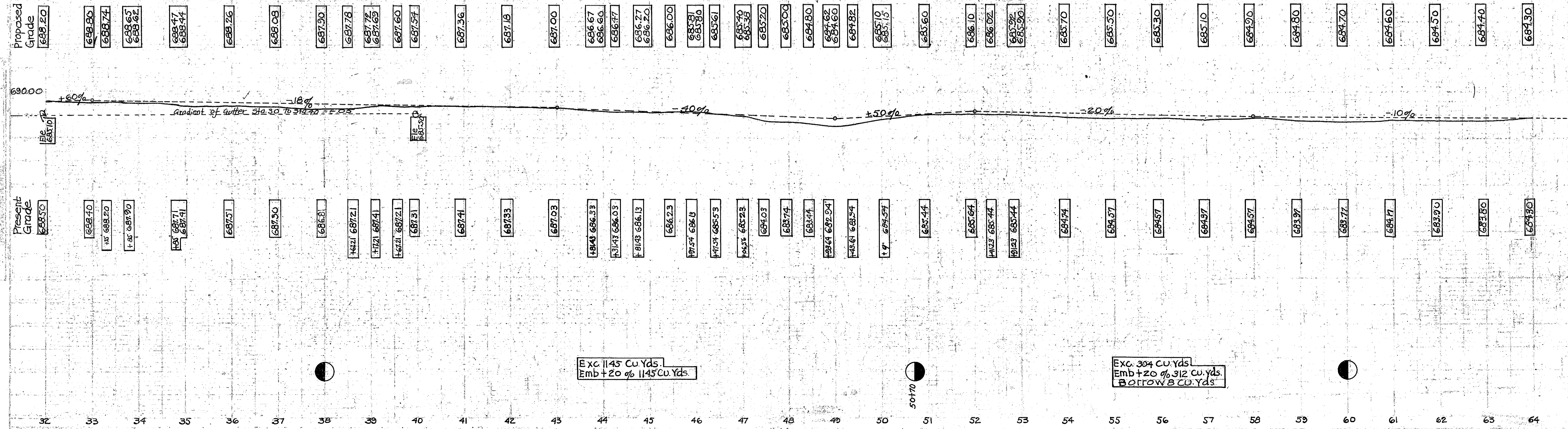
| Left | | | | Right | | | |
|--------------|------|----------|---------|-------|--------------|---------|--------------|
| Edge of Pav. | Wid | Sta | Gr. El. | Wid | Edge of Pav. | Gr. El. | Edge of Pav. |
| 688.58 | 8.00 | 33+35.55 | 688.74 | 8.00 | 688.58 | | |
| 688.54 | | 33+60.55 | 688.70 | | 688.58 | | |
| 688.49 | | 33+85.55 | 688.65 | | 688.58 | | |
| 688.45 | | 34+10.55 | 688.61 | | 688.58 | | |
| 688.40 | | 34+35.55 | 688.56 | | 688.58 | | |
| 688.37 | | 34+50 | 688.53 | | 688.55 | | |
| 688.28 | | 35+00 | 688.44 | | 688.46 | | |
| 688.19 | | 35+50 | 688.35 | | 688.37 | | |
| 688.10 | | 36+00 | 688.26 | | 688.28 | | |
| 688.01 | | 36+50 | 688.17 | | 688.19 | | |
| 687.92 | | 37+00 | 688.08 | | 688.10 | | |
| 687.83 | | 37+50 | 687.99 | | 688.01 | | |
| 687.74 | | 38+00 | 687.90 | | 687.92 | | |
| 687.65 | | 38+50 | 687.81 | | 687.83 | | |
| 687.62 | | 38+67.21 | 687.78 | | 687.80 | | |
| 687.57 | | 38+92.21 | 687.73 | | 687.71 | | |
| 687.53 | | 39+17.21 | 687.69 | | 687.62 | | |
| 687.48 | | 39+42.21 | 687.64 | | 687.69 | | |
| 687.44 | 8.00 | 39+67.21 | 687.60 | 8.00 | 687.44 | | |

No extra Pavement

| Left | | | | Right | | | |
|--------------|-------|----------|---------|-------|--------------|---------|--------------|
| Edge of Pav. | Wid | Sta | Gr. El. | Wid | Edge of Pav. | Gr. El. | Edge of Pav. |
| 686.51 | 8.00 | 43+01.43 | 686.67 | 8.00 | 686.51 | | |
| 686.41 | 8.45 | 44+06.43 | 686.57 | 8.00 | 686.67 | | |
| 686.31 | 9.30 | 44+31.43 | 686.47 | 8.00 | 686.85 | | |
| 686.21 | 10.07 | 44+56.43 | 686.37 | 8.00 | 687.06 | | |
| 686.11 | 10.40 | 44+81.43 | 686.27 | 8.00 | 687.27 | | |
| 686.04 | 10.40 | 45+00 | 686.20 | 8.00 | 687.20 | | |
| 685.94 | 10.40 | 45+25 | 686.10 | 8.00 | 687.10 | | |
| 685.84 | 10.40 | 45+50 | 686.00 | 8.00 | 687.00 | | |
| 685.74 | 10.40 | 45+75 | 685.90 | 8.00 | 686.90 | | |
| 685.65 | 10.40 | 45+97.54 | 685.81 | 8.00 | 686.91 | | |
| 685.72 | 10.39 | 46+22.54 | 685.71 | 8.23 | 686.44 | | |
| 685.85 | 10.07 | 46+47.54 | 685.67 | 8.60 | 686.19 | | |
| 685.93 | 9.80 | 46+72.54 | 685.61 | 9.24 | 685.99 | | |
| 685.95 | 9.30 | 46+97.54 | 685.57 | 9.74 | 685.85 | | |
| 685.97 | 8.53 | 47+22.54 | 685.57 | 9.74 | 685.85 | | |

Extra pavement from Sta. 43+81.43 to Sta. 49+93.64 = 60.0.

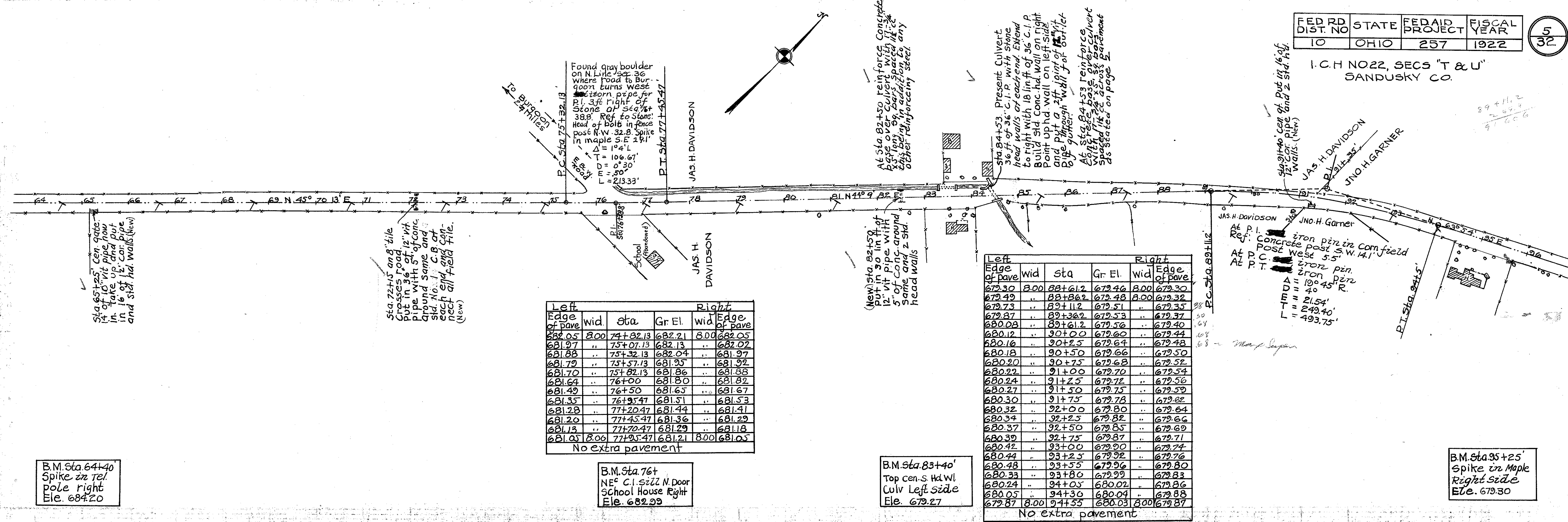
| Left | | | | Right | | | |
|--------------|------|----------|---------|-------|--------------|---------|--------------|
| Edge of Pav. | Wid | Sta | Gr. El. | Wid | Edge of Pav. | Gr. El. | Edge of Pav. |
| 685.97 | 8.93 | 46+56.56 | 685.57 | 9.74 | 685.85 | | |
| 686.12 | 8.45 | 46+72.54 | 685.57 | 10.38 | 685.61 | | |
| 686.20 | 8.18 | 46+81.54 | 685.47 | 10.98 | 685.48 | | |
| 686.36 | 8.00 | 46+97.54 | 685.41 | 11.10 | 685.25 | | |
| 686.42 | 8.00 | 47+06.56 | 685.37 | 11.20 | 685.21 | | |
| 686.35 | 8.00 | 47+25 | 685.30 | 11.20 | 685.14 | | |
| 686.25 | 8.00 | 47+50 | 685.20 | 11.20 | 685.04 | | |
| 686.15 | 8.00 | 47+75 | 685.10 | 11.20 | 684.94 | | |
| 686.05 | 8.00 | 48+00 | 685.00 | 11.20 | 684.84 | | |
| 685.95 | 8.00 | 48+25 | 684.90 | 11.20 | 684.74 | | |
| 685.85 | 8.00 | 48+50 | 684.80 | 11.20 | 684.64 | | |
| 685.75 | 8.00 | 48+75 | 684.70 | 11.20 | 684.54 | | |
| 685.68 | 8.00 | 48+93.64 | 684.63 | 11.20 | 684.47 | | |
| 685.53 | 8.00 | 49+09 | 684.65 | 10.98 | 684.49 | | |
| 685.42 | 8.00 | 49+18.64 | 684.63 | 10.74 | 684.64 | | |
| 685.30 | 8.00 | 49+34 | 684.77 | 10.21 | 684.90 | | |
| 685.22 | 8.00 | 49+43.64 | 684.82 | 9.74 | 684.94 | | |



Exc 1145 Cu. Yds.
Emb + 20% 1145 Cu. Yds.

Exc. 304 Cu. Yds.
Emb + 20% 312 Cu. Yds.
Borrow 3 Cu. Yds.

I. C. H. NO. 22, SECS 'T & U' SANDUSKY CO.



| Left | | | Right |
|--------------|------|----------|---------|
| Edge of pave | wid | sta | Gr. El. |
| 682.05 | 8.00 | 74+82.13 | 682.21 |
| 681.97 | | 75+07.13 | 682.13 |
| 681.88 | | 75+32.13 | 682.04 |
| 681.79 | | 75+57.13 | 681.95 |
| 681.70 | | 75+82.13 | 681.86 |
| 681.64 | | 76+00 | 681.80 |
| 681.49 | | 76+50 | 681.65 |
| 681.35 | | 76+95.47 | 681.51 |
| 681.28 | | 77+20.47 | 681.44 |
| 681.20 | | 77+45.47 | 681.36 |
| 681.13 | | 77+70.47 | 681.29 |
| 681.05 | 8.00 | 77+95.47 | 681.21 |

No extra pavement

| Left | | | Right |
|--------------|------|---------|---------|
| Edge of pave | wid | sta | Gr. El. |
| 679.30 | 8.00 | 88+61.2 | 679.46 |
| 679.49 | | 88+86.2 | 679.48 |
| 679.73 | | 89+11.2 | 679.51 |
| 679.87 | | 89+36.2 | 679.53 |
| 680.08 | | 89+61.2 | 679.56 |
| 680.12 | | 90+00 | 679.60 |
| 680.16 | | 90+25 | 679.64 |
| 680.18 | | 90+50 | 679.66 |
| 680.20 | | 90+75 | 679.68 |
| 680.22 | | 91+00 | 679.70 |
| 680.24 | | 91+25 | 679.72 |
| 680.27 | | 91+50 | 679.75 |
| 680.30 | | 91+75 | 679.78 |
| 680.32 | | 92+00 | 679.80 |
| 680.34 | | 92+25 | 679.82 |
| 680.37 | | 92+50 | 679.85 |
| 680.39 | | 92+75 | 679.87 |
| 680.42 | | 93+00 | 679.90 |
| 680.44 | | 93+25 | 679.92 |
| 680.48 | | 93+50 | 679.96 |
| 680.33 | | 93+80 | 679.99 |
| 680.24 | | 94+05 | 680.02 |
| 680.05 | | 94+30 | 680.04 |
| 679.87 | 8.00 | 94+55 | 680.03 |

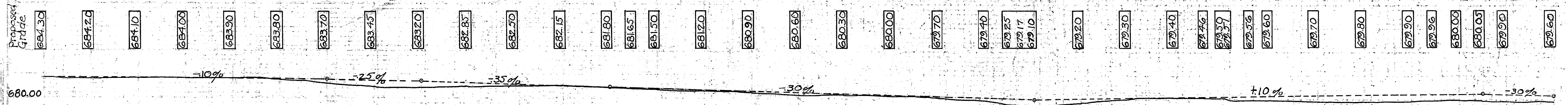
No extra pavement

B.M. Sta. 76+
NE^c C.I. Sill N. Door
School House Right
Ele. 682.29

B.M. Sta. 83+40'
Top cen. s. Hd. Wl.
Culv Left side
Ele. 679.27

B.M. Sta. 95+25'
Spike in Maple
Right side
Ele. 679.30

B.M. Sta. 64+40
Spike in tel.
pole right
Ele. 684.20



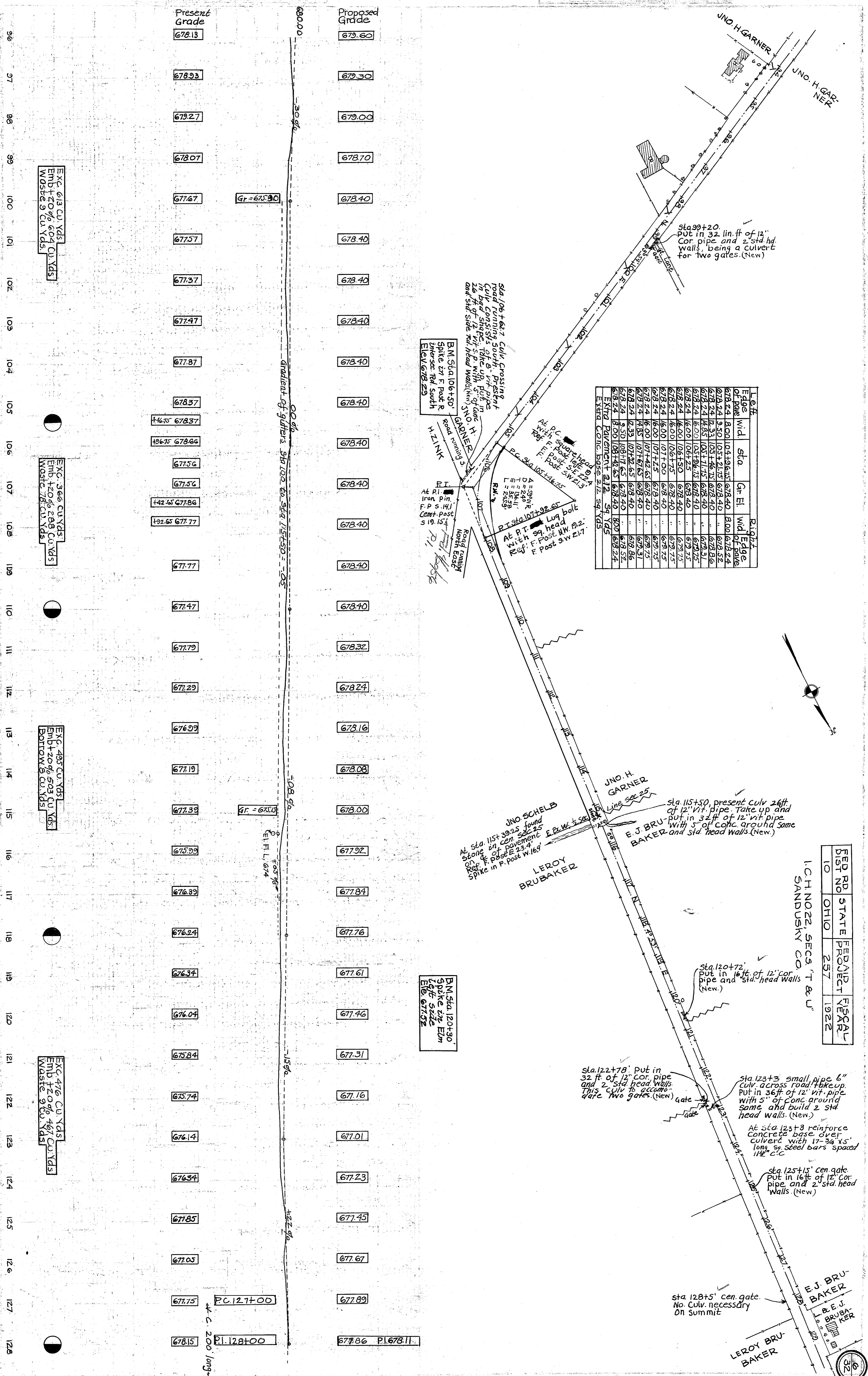
Exc. 444 Cu. Yds.
Emb+20% = 448 Cu. Yds.
Borrow 4 Cu. Yds.

Exc. 242 Cu. Yds.
Emb+20% = 242 Cu. Yds.

Exc. 455 Cu. Yds.
Emb+20% = 445 Cu. Yds.
Waste 10 Cu. Yds.

Exc. 228 Cu. Yds.
Emb+20% = 233 Cu. Yds.
Borrow 5 Cu. Yds.

Exc. 575 Cu. Yds.
Emb+20% = 570 Cu. Yds.
Waste 5 Cu. Yds.



| Edge of Pavement | Width | Sta. | Gr. El. | Width of Pavement | Edge of Pavement |
|------------------|-------|-----------|---------|-------------------|------------------|
| 678.24 | 8.00 | 104+96.55 | 678.40 | 8.00 | 678.24 |
| 678.24 | 9.50 | 105+21.75 | 678.40 | 9.50 | 678.24 |
| 678.24 | 12.50 | 105+46.75 | 678.40 | 12.50 | 678.24 |
| 678.24 | 14.85 | 105+71.75 | 678.40 | 14.85 | 678.24 |
| 678.24 | 16.00 | 105+96.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 106+21.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 106+46.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 107+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 107+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 107+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 107+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 108+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 108+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 108+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 108+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 109+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 109+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 109+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 109+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 110+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 110+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 110+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 110+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 111+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 111+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 111+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 111+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 112+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 112+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 112+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 112+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 113+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 113+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 113+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 113+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 114+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 114+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 114+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 114+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 115+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 115+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 115+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 115+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 116+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 116+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 116+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 116+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 117+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 117+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 117+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 117+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 118+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 118+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 118+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 118+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 119+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 119+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 119+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 119+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 120+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 120+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 120+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 120+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 121+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 121+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 121+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 121+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 122+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 122+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 122+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 122+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 123+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 123+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 123+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 123+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 124+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 124+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 124+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 124+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 125+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 125+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 125+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 125+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 126+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 126+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 126+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 126+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 127+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 127+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 127+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 127+76.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 128+01.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 128+26.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 128+51.75 | 678.40 | 16.00 | 678.24 |
| 678.24 | 16.00 | 128+76.75 | 678.40 | 16.00 | 678.24 |

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| FED. RD. DIST. NO. | STATE | FED. AID PROJECT | FISCAL YEAR |
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I. C. H. NOZZ, SECS. 'T & U'
SANDUSKY CO.

PC 127+00
P.I. 128+00
4" C 200 long

B.M. Sta 106+50
Spike in F. Post R
Intersec. Rd. South
Elev. 678.23

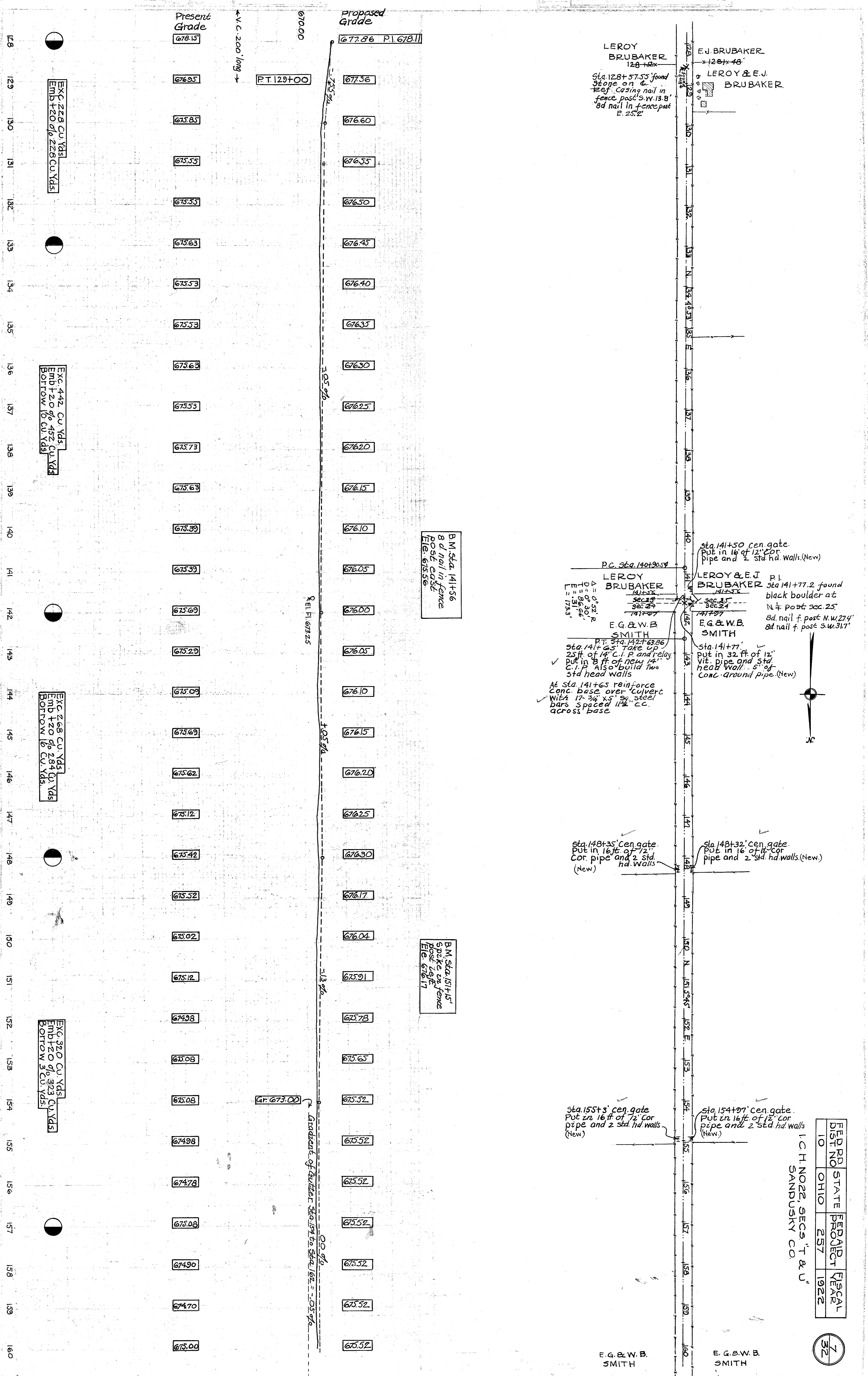
B.M. Sta 120+30
Spike in Elm
Left Side
Elev. 678.32

Exc. 613 CU Yds
Emb + 20% 604 CU Yds
Waste 9 CU Yds

Exc. 366 CU Yds
Emb + 20% 588 CU Yds
Waste 76 CU Yds

Exc. 495 CU Yds
Emb + 20% 593 CU Yds
Bottom 8 CU Yds

Exc. 476 CU Yds
Emb + 20% 467 CU Yds
Waste 9 CU Yds



Exc. 228 Cu Yds
Emb + 20 of 228 Cu Yds

Exc. 442 Cu Yds
Emb + 20 of 452 Cu Yds
Bottom 10 Cu Yds

Exc. 268 Cu Yds
Emb + 20 of 284 Cu Yds
Bottom 16 Cu Yds

Exc. 320 Cu Yds
Emb + 20 of 323 Cu Yds
Bottom 3 Cu Yds

B.M. Sta. 141+56
8d nail in fence
Post case
Elev. 675.56

B.M. Sta. 151+15
Spike in fence
Post left
Elev. 676.17

P.C. Sta. 140+90.54
LEROY BRUBAKER
Sta. 141+56
Sec. 24
Sec. 24
141+07
E.G. & W.B. SMITH

P.T. Sta. 142+63.86
Sta. 141+65 Take up
25 ft. of 14" C.I.P. and relay
Put in 8 ft. of new 14"
C.I.P. Also build two
Std head walls
At Sta. 141+65 reinforce
Conc. base over culvert
with 17-3/4" x 5" steel
bars spaced 12" c.c.
across base

Sta. 141+50 cen. gate.
Put in 16" of 12" cor.
pipe and 2 std. hd. walls (New)

LEROY & E.J. BRUBAKER
Sta. 141+77.2 found
black boulder at
N 1/4 post sec. 25
8d nail f. post N.W. 274'
8d nail f. post S.W. 317'

Sta. 141+77
Put in 32 ft. of 12"
vit. pipe and Std.
head wall 5' of
Conc. ground pipe (New)

Sta. 148+35 Cen. gate.
Put in 16 ft. of 12"
Cor. pipe and 2 std.
hd. walls (New)

Sta. 148+32 Cen. gate.
Put in 16" of 12" cor.
pipe and 2 std. hd. walls (New)

Sta. 154+97 Cen. gate.
Put in 16 ft. of 12" cor.
pipe and 2 std. hd. walls
(New)

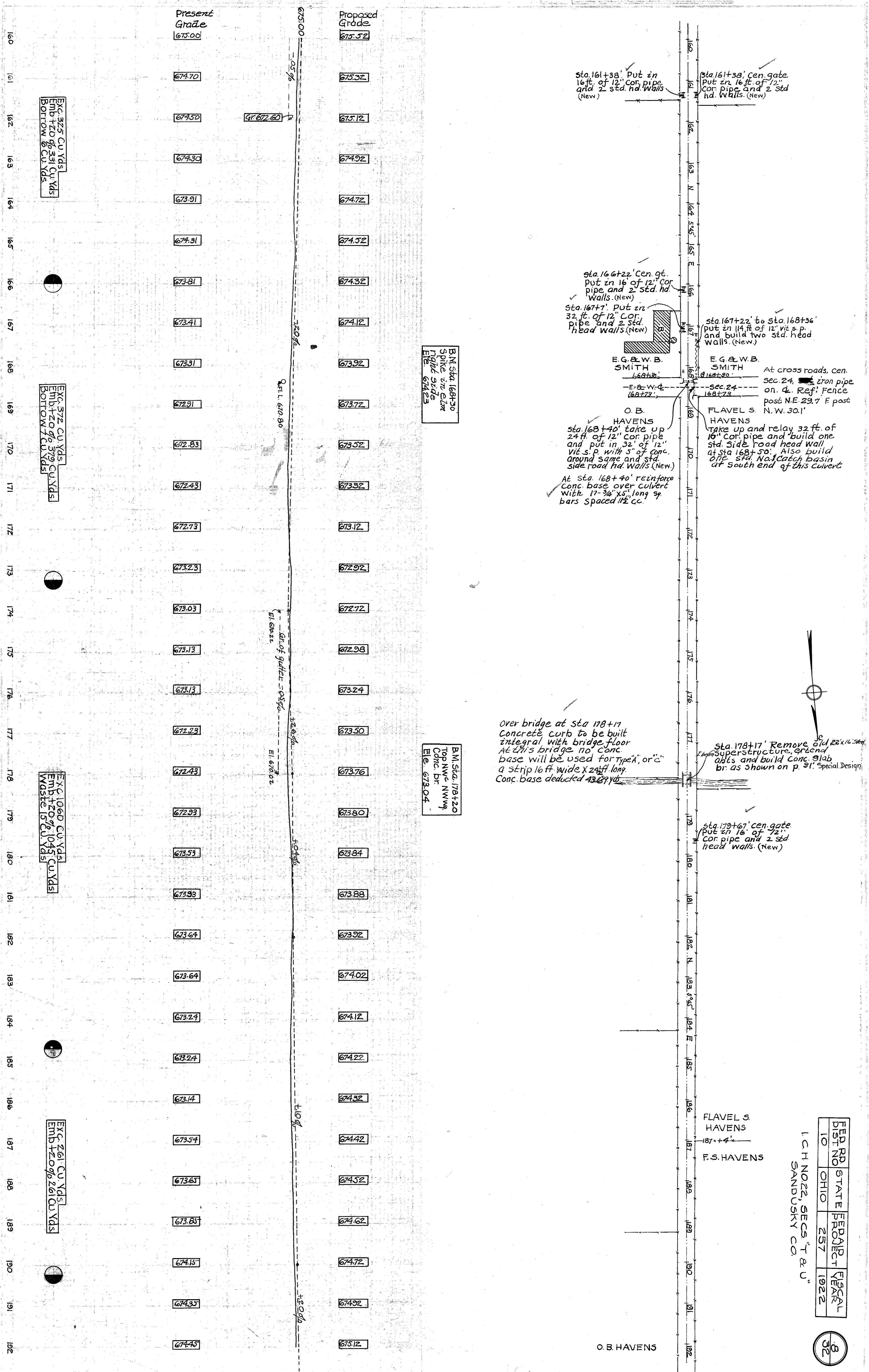
Sta. 154+97 Cen. gate.
Put in 16 ft. of 12" cor.
pipe and 2 std. hd. walls
(New)

| | | | |
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I.C.H. NO. 22, SECS. 'T & U'
SANDUSKY CO.

E.G. & W.B. SMITH

E.G. & W.B. SMITH



Exc. 325 CU Yds
Emb +20% 531 CU Yds
Bottom 6 CU Yds

Exc. 372 CU Yds
Emb +20% 379 CU Yds
Bottom 7 CU Yds

Exc. 1060 CU Yds
Emb +20% 1045 CU Yds
Waste 15 CU Yds

Exc. 261 CU Yds
Emb +20% 261 CU Yds

B.M. Sta. 168+30
Spike 27' 6.7m
1/4\"/>

B.M. Sta. 178+20
Top NWc NWwy
Cmrc Dr
Elev. 673.04

Sta. 161+38' Put in 16 ft. of 12" Cor. pipe and 2 std. hd. Walls (New)

Sta. 161+38' Cen. gate Put in 16 ft. of 12" Cor. pipe and 2 std. hd. Walls (New)

Sta. 166+22' Cen. gate Put in 16 of 12" Cor. pipe and 2 std. hd. Walls (New)

Sta. 167+7' Put in 32 ft. of 12" Cor. pipe and 2 std. head walls (New)

Sta. 167+22' to Sta. 168+36' put in 114 ft of 12" vit. s.p. and build two std. head walls (New)

E.G. & W.B. SMITH
168+73'

E.G. & W.B. SMITH
168+20'
At cross roads, cen. sec. 24, iron pipe on. & Ref. Fence post N.E. 29.7 F post N.W. 30.1'

O.B. HAVENS
Sta. 168+40' take up 24 ft. of 12" Cor. pipe and put in 32' of 12" vit. s.p. with 5" of conc. around same and std. side road hd. Walls (New)

At Sta. 168+40' reinforce Conc. base over culvert with 17-3/4" x 5" long sq. bars spaced 12" cc.

FLAVEL S. HAVENS
Take up and relay 32 ft. of 16" Cor. pipe and build one std. side road head wall at Sta. 168+50'. Also build one std. No. 1 Catch basin at south end of this culvert

Over bridge at Sta. 178+17 Concrete curb to be built integral with bridge floor. At this bridge no conc. base will be used for type 'A' or 'C' a strip 16 ft. wide x 24 ft. long. Conc. base deducted 43.87 yds.

Sta. 178+17' Remove old 22" x 16" superstructure, extend abts and build Conc. slab br. as shown on p. 31. Special Design

Sta. 179+67' cen. gate Put in 16 of 12" Cor. pipe and 2 std. head walls (New)

FLAVEL S. HAVENS
187+4'

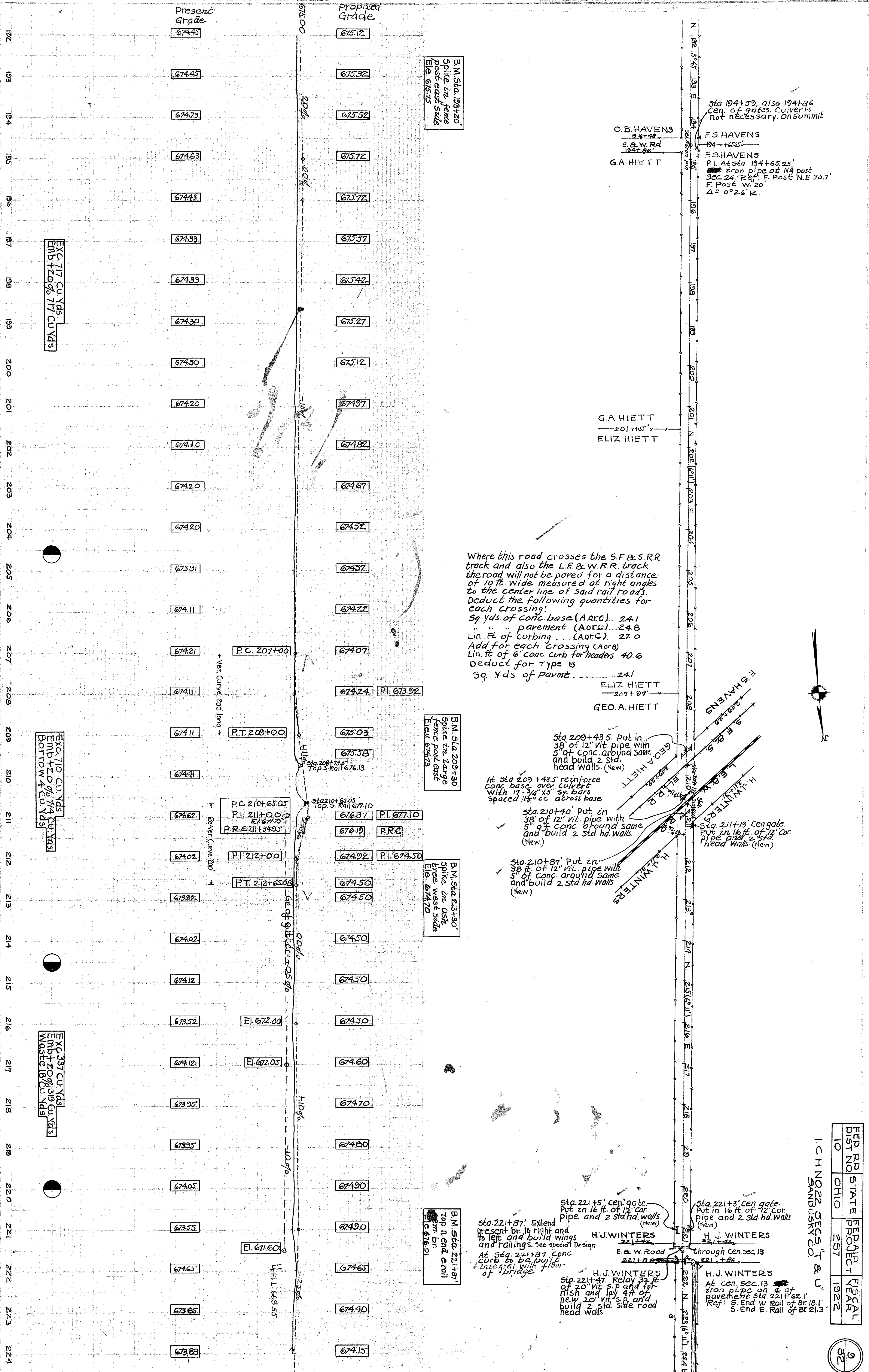
F.S. HAVENS

FED. RD. DIST. NO. 10
STATE OF OHIO
PROJECT 257
FISCAL YEAR 1922

L. C. H. NO. 22, SECS. 'T & U'
SANDUSKY CO.

O. B. HAVENS

| | |
|----------|---------|
| PLAN | DATE |
| DESIGNED | 12/1/22 |
| CHECKED | |
| BY | |



Sta 194+59, also 194+86
 Cen. of gates. Culverts
 not necessary. On summit

F.S. HAVENS
 194+65.25'
 F.S. HAVENS
 P.I. At Sta. 194+65.25'
 Iron pipe at N4 post
 Sec. 24. Ref. F. Post N.E. 30.7'
 F. Post W. 20'
 Δ = 0° 26' R.

Where this road crosses the S.F. & S.R.R.
 track and also the L.E. & V.R.R. track
 the road will not be paved for a distance
 of 10 ft. wide measured at right angles
 to the center line of said rail roads.
 Deduct the following quantities for
 each crossing:

- Sq. Yds. of conc. base (A or C) 24.1
- " " pavement (A or C) 24.8
- Lin. Ft. of Curbing (A or C) 27.0
- Add for each crossing (A or B)
- Lin. ft. of 6" conc. curb for headers 40.6
- Deduct for Type B
- Sq. Yds. of Pavmt. 24.1

Sta. 209+43.5 Put in
 38" of 12" vit. pipe with
 5" of conc. around same
 and build 2 std.
 head walls (New)

At Sta. 209+43.5 reinforce
 conc. base over culvert
 with 17-3/4" x 5" sq. bars
 spaced 11 1/2" cc across base

Sta. 210+40 put in
 38" of 12" vit. pipe with
 5" of conc. around same
 and build 2 std. hd. walls
 (New)

Sta. 210+87' Put in
 38" of 12" vit. pipe with
 5" of conc. around same
 and build 2 std. hd. walls
 (New)

Sta. 221+5' Cen. gate.
 Put in 16 ft. of 12" cor.
 pipe and 2 std. hd. walls
 (New)

Sta. 221+3' Cen. gate.
 Put in 16 ft. of 12" cor.
 pipe and 2 std. hd. walls
 (New)

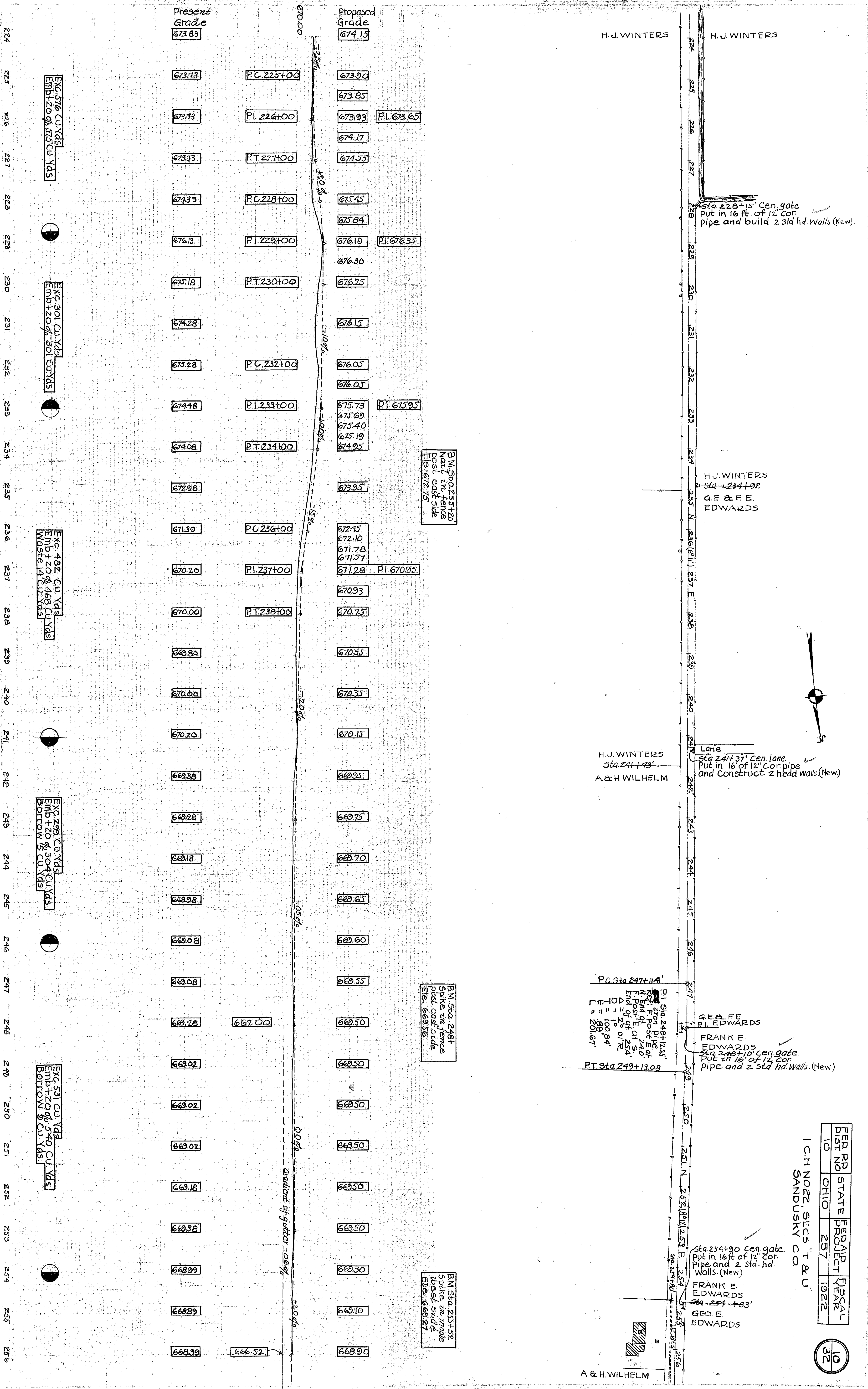
Sta. 221+87' Extend
 present br. to right and
 to left and build wings
 and railings. See special Design

At Sta. 221+87' Conc
 curb to be built
 integral with flange
 of bridge

Sta. 221+47. Relay 32 ft.
 of 20" vit. s.p. and fur-
 nish and lay 4 ft. of
 new 20" vit. s.p. and
 build 2 std. side road
 head walls

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|--------------------|-------|---------|-------------|
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I. C. H. NO. 22 SECS. 'T' & 'U'
 SANBUSHY CO.



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Exc. 576 CU Yds
Emb + 20% 575 CU Yds

Exc. 301 CU Yds
Emb + 20% 301 CU Yds

Exc. 482 CU Yds
Emb + 20% 468 CU Yds
Waste 14 CU Yds

Exc. 299 CU Yds
Emb + 20% 304 CU Yds
Borrow 5% CU Yds

Exc. 531 CU Yds
Emb + 20% 540 CU Yds
Borrow 9% CU Yds

gradient of gutter -0.6%

BM Sta. 235+20
Nail in fence
post east side
Elev. 672.75

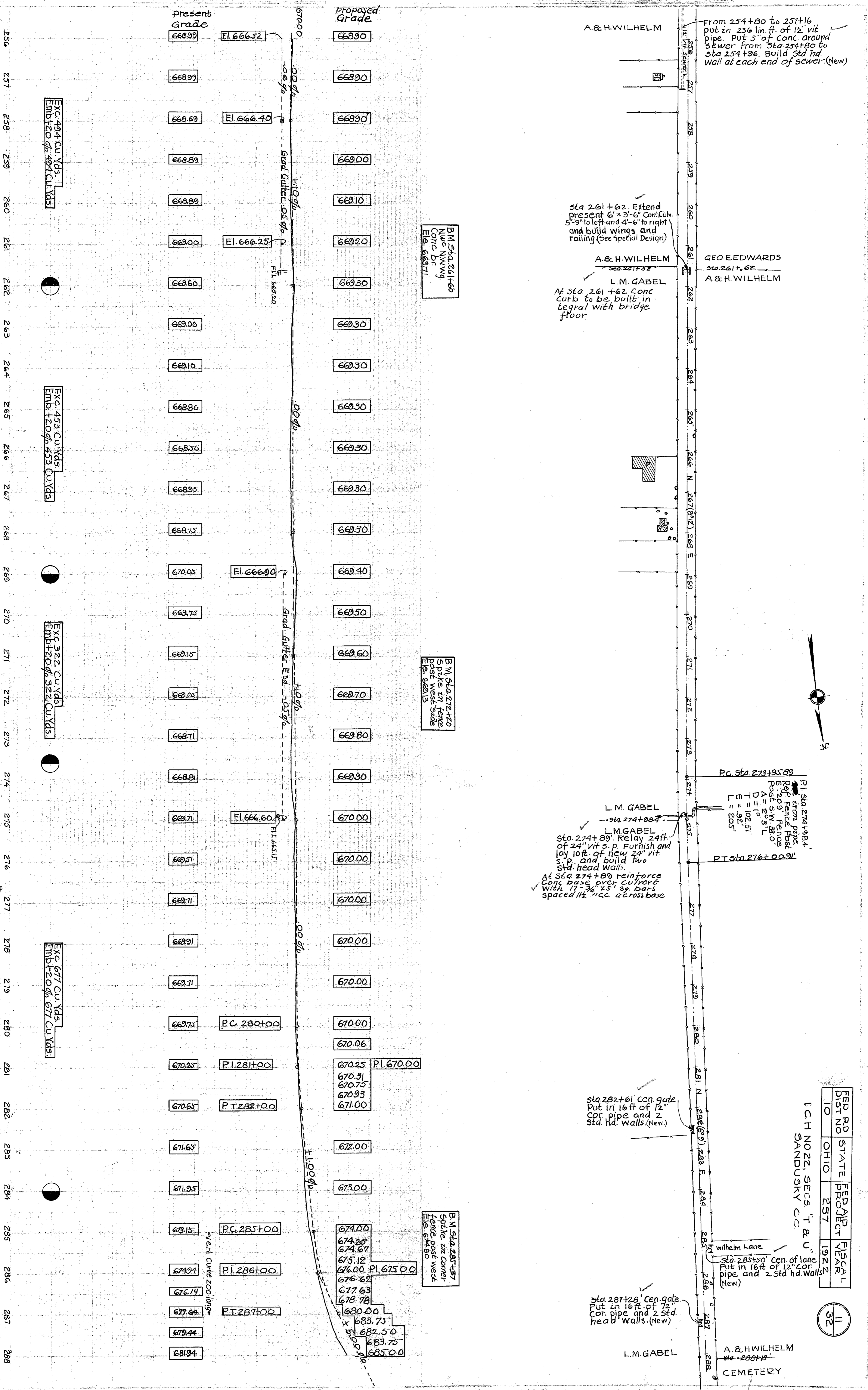
BM Sta. 248+
Spike in fence
post east side
Elev. 669.56

BM Sta. 253+52
Spike in middle
west side
Elev. 668.27

P.C. Sta 247+11.41
P.I. Sta. 248+12.25
K = 1.0
L = 100.84
E = 89.167
DT = 1.0
E = 20.67

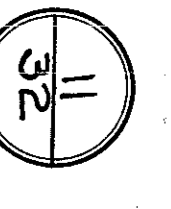
| FED. RD. DIST. NO. | STATE | PROJECT | FISCAL YEAR |
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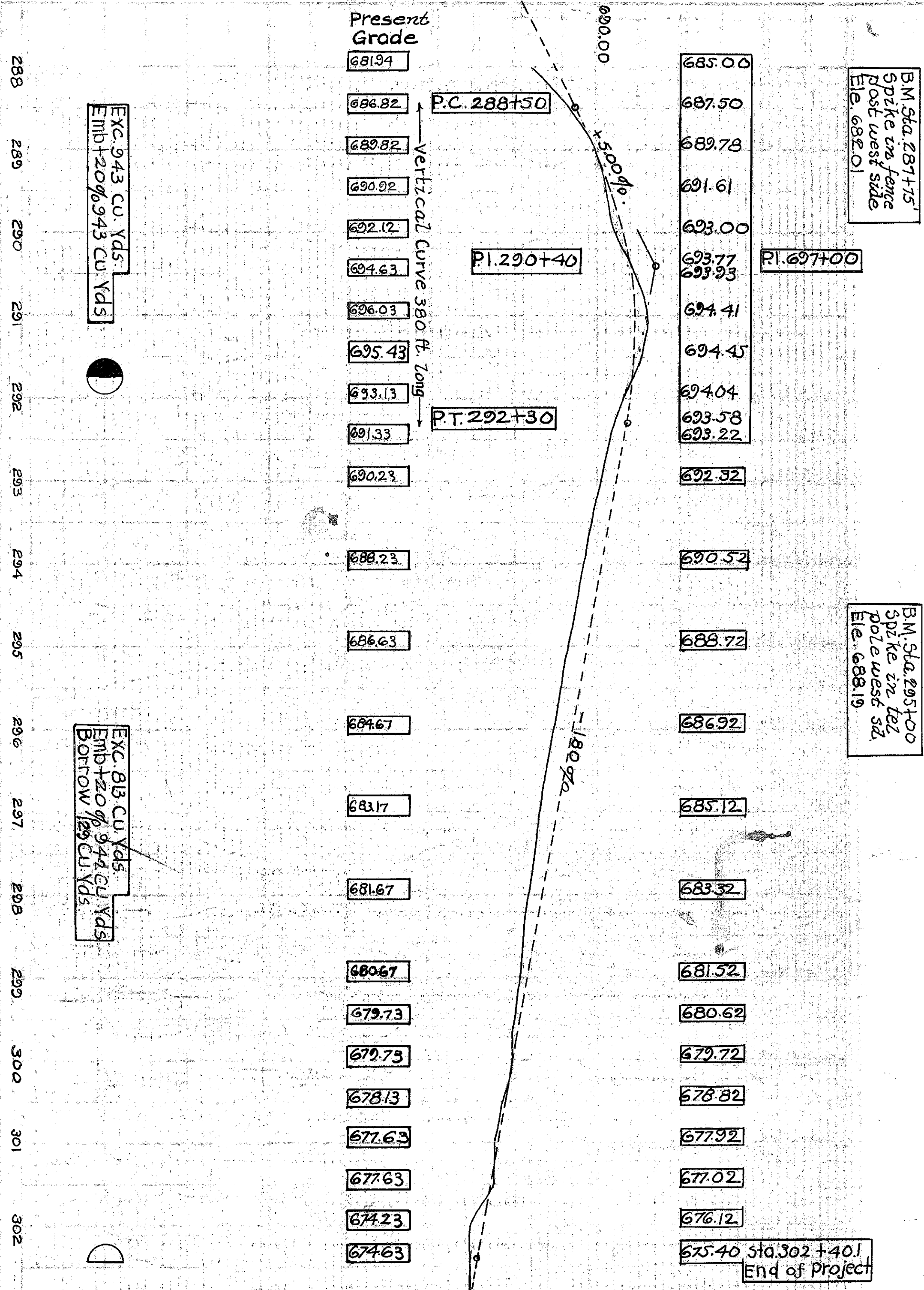
ICH NO. 22, SECS 'T & U'
SANDUSKY CO



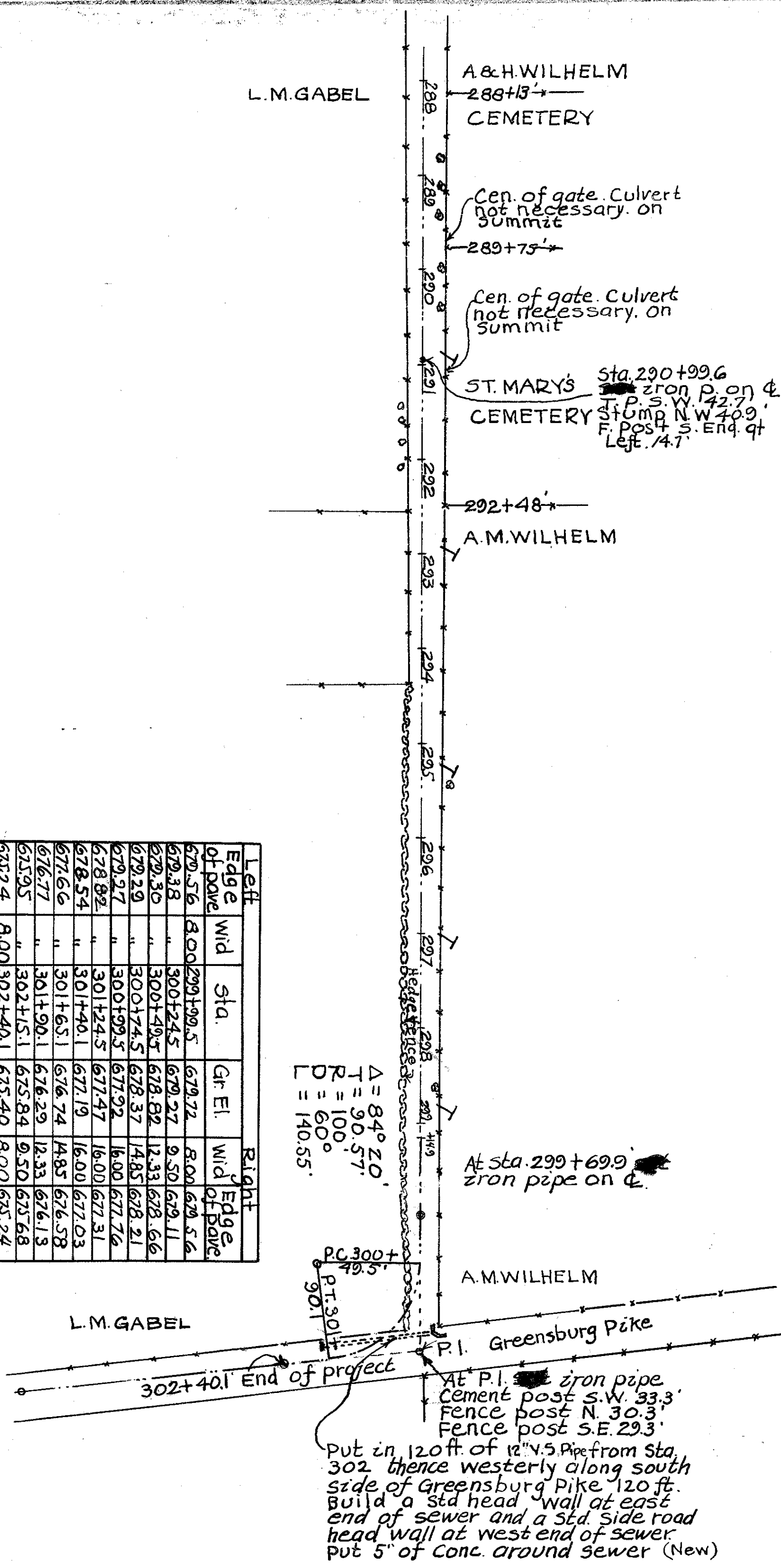
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ICH NO. 22, SECS 'T & U'
SANDUSKY CO.





| Left Edge of Pipe | Wid | Sta | Gr. El. | Right Edge of Pipe | |
|----------------------------|------|----------|---------|--------------------|--------|
| 679.38 | 8.00 | 290+99.5 | 679.72 | 8.00 | 679.56 |
| 679.38 | " | 300+24.5 | 679.37 | 8.50 | 679.11 |
| 679.30 | " | 300+49.5 | 678.82 | 12.33 | 678.66 |
| 679.29 | " | 300+74.5 | 678.37 | 14.85 | 678.21 |
| 679.37 | " | 300+99.5 | 677.92 | 16.00 | 677.76 |
| 678.82 | " | 301+24.5 | 677.47 | 16.00 | 677.31 |
| 678.54 | " | 301+49.1 | 677.19 | 16.00 | 677.03 |
| 677.66 | " | 301+65.1 | 676.74 | 14.85 | 676.58 |
| 675.95 | " | 301+90.1 | 676.29 | 12.33 | 676.13 |
| 675.24 | 8.00 | 302+40.1 | 675.40 | 8.00 | 675.68 |
| Extra Pavement 115 54 Yds | | | | | |
| Extra Conc Base 115 54 Yds | | | | | |



FED RD STATE PROJECT FISCAL YEAR
 DIST NO OHIO PROJECT YEAR
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I. C. H. NO. 22, SECS. 'T' & 'U'
 SANDUSKY CO.