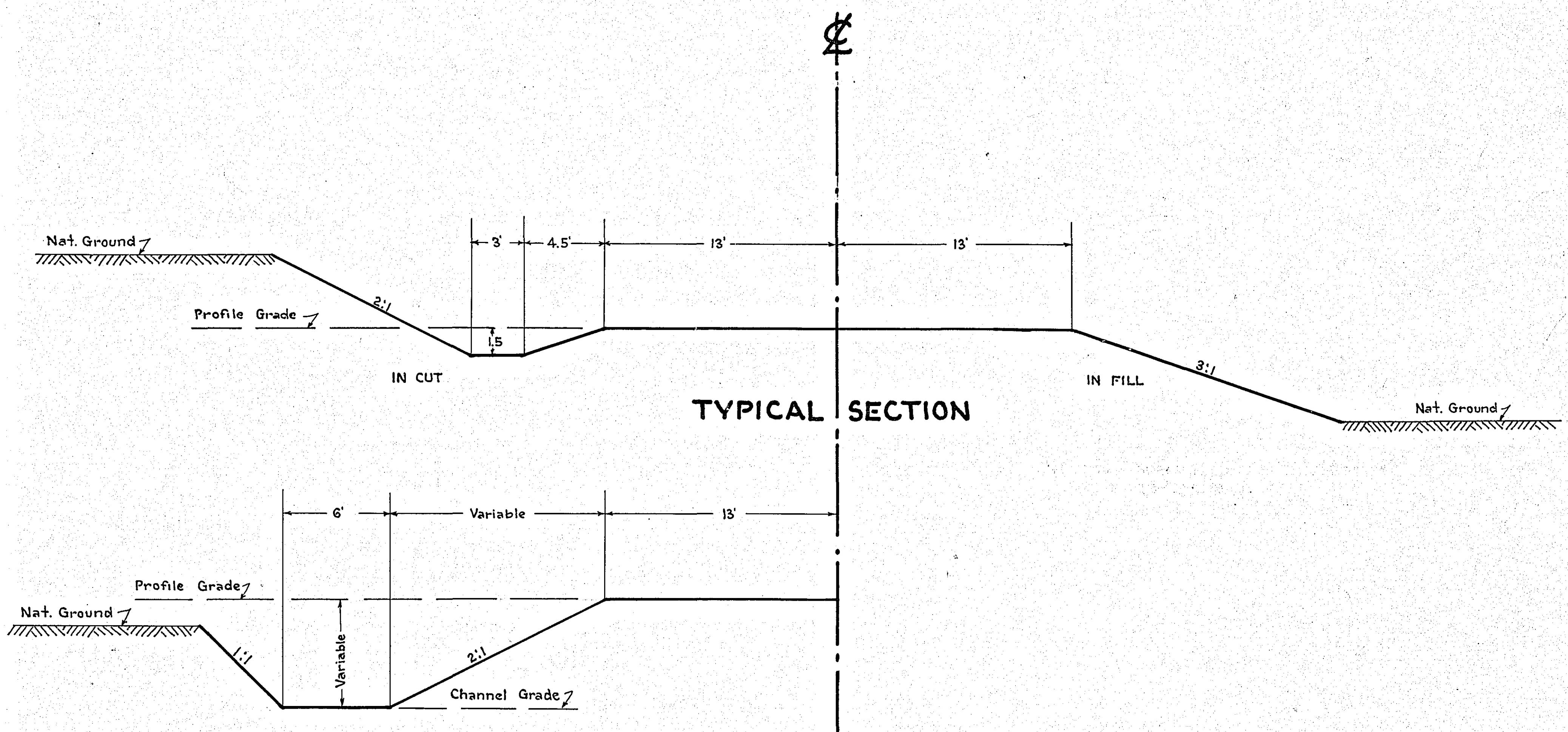


STATEMENT OF ESTIMATED QUANTITIES

| CLASS | ITEM | UNIT | MILE | | | | | | | | | | | TOTAL ESTIMATED QUANTITIES | |
|-----------------------|------|----------------------------|-------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|--|----------------------------|--|
| | | | From To | From To | From To | From To | From To | From To | From To | From To | From To | From To | | | |
| GRADING | 1 | Clearing | Trees | | | | | | | | | | | | |
| | 2 | Grubbing | Trees | | | | | | | | | | | | |
| | 3 | Clearing | Acres | | | | | | | | | | | | |
| | 4 | Grubbing | Acres | | | | | | | | | | | | |
| | 5 | Excavation | Earth | Cu. Yds. | | | | | | | | | | | |
| | 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. | | | | | | | | | | | |
| | 12 | Install | 15" C.M. | Lin. Ft. | | | | | | | | | | | |
| | 13 | Install | 18" C.M. | Lin. Ft. | | | | | | | | | | | |
| | 14 | Install | 24" C.M. | Lin. Ft. | | | | | | | | | | | |
| | 15 | Install | 18" P3 | Lin. Ft. | | | | | | | | | | | |
| | 16 | Install | 24" P3 | Lin. Ft. | | | | | | | | | | | |
| | 17 | Install | 30" P3 | Lin. Ft. | | | | | | | | | | | |
| | 18 | Install | 36" P3 | Lin. Ft. | | | | | | | | | | | |
| | 19 | Install | | Lin. Ft. | | | | | | | | | | | |
| | 20 | Install | | Lin. Ft. | | | | | | | | | | | |
| | 21 | Install | | Lin. Ft. | | | | | | | | | | | |
| | 22 | Install | | Lin. Ft. | | | | | | | | | | | |
| | 23 | Remove Old Culvert | | Lin. Ft. | | | | | | | | | | | |
| | 24 | Replace Old Culvert | | Lin. Ft. | | | | | | | | | | | |
| | 25 | Finishing and Seeding | 100 Sq.Yds. | | | | | | | | | | | | |
| | 26 | Rubble Gutter | | Cu. Yds. | | | | | | | | | | | |
| | 27 | Headwall | Concrete | Cu. Yds. | | | | | | | | | | | |
| | 28 | Headwall | Steel | Lbs. | | | | | | | | | | | |
| | 29 | | | | | | | | | | | | | | |
| | 30 | | | | | | | | | | | | | | |
| | 31 | | | | | | | | | | | | | | |
| | 32 | | | | | | | | | | | | | | |
| C.M. CULVERTS | 1 | Furnish 12" C.M. | Lin. Ft. | | | | | | | | | | | | |
| | 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. | | | | | | | | | | | | |
| | 5 | | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | | |
| | 8 | | | | | | | | | | | | | | |
| | 9 | | | | | | | | | | | | | | |
| | 10 | | | | | | | | | | | | | | |

DETAILS



NOTE: ROADBED SLOPE TO BE RIPRAPPED THRU CHANNEL CHANGE.

SPECIAL SECTION
 STA. 14+40 TO STA. 15+00 LEFT.
 STA. 15+00 TO STA. 15+75 RIGHT.

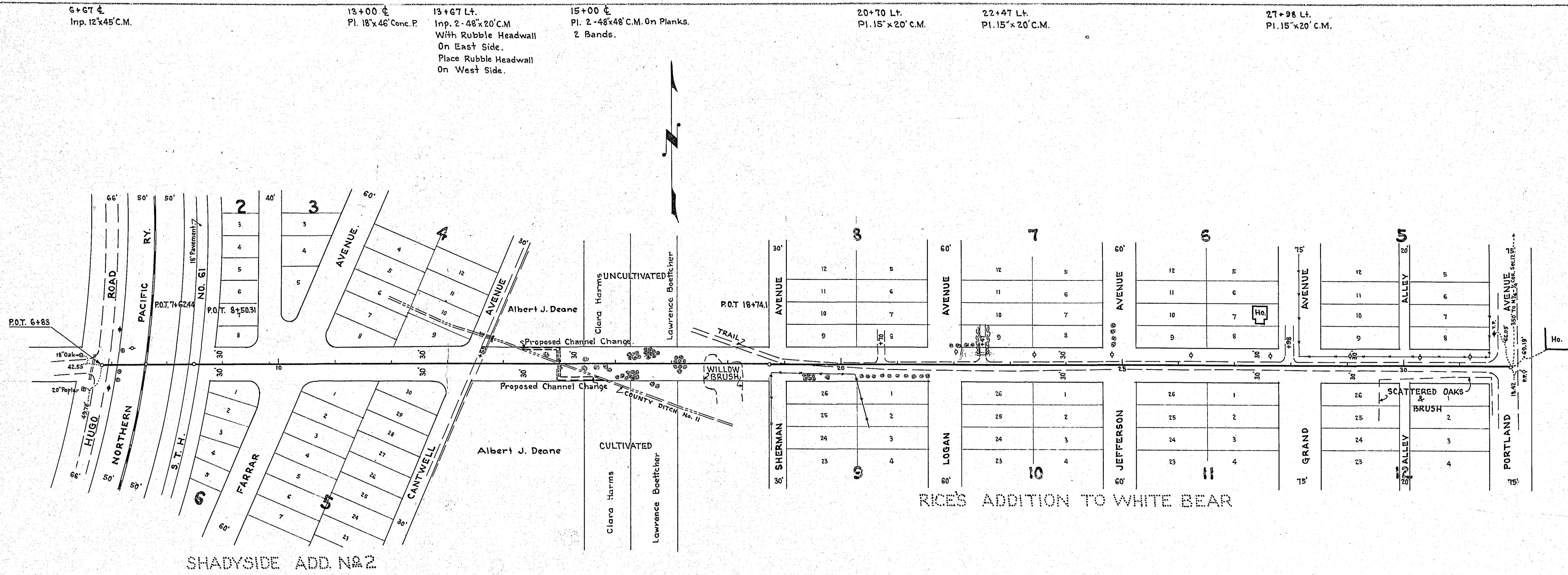
OFFICE OF
 RAMSEY COUNTY SURVEYOR
 HARRY S. BRONSON.
 GRADING PLAN OF
TAYLOR AVE.
 FROM HUGO ROAD TO PORTLAND AVENUE.
 JULY 1938 SCALE AS SHOWN.

PLANS APPROVED 11/15 1938 *Harry S. Bronson*
 COUNTY SURVEYOR.

APPROVED 1938 *W. H. Taylor*
 CHAIRMAN COUNTY BOARD.

APPROVED 11/16 1938 *Richard J. Jansen*
 CHAIRMAN WHITE BEAR TOWNSHIP BOARD.

| | | |
|------|----------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNED | |
| | CHECKED | |
| | NO. | |



SHADYSIDE ADD. N#2

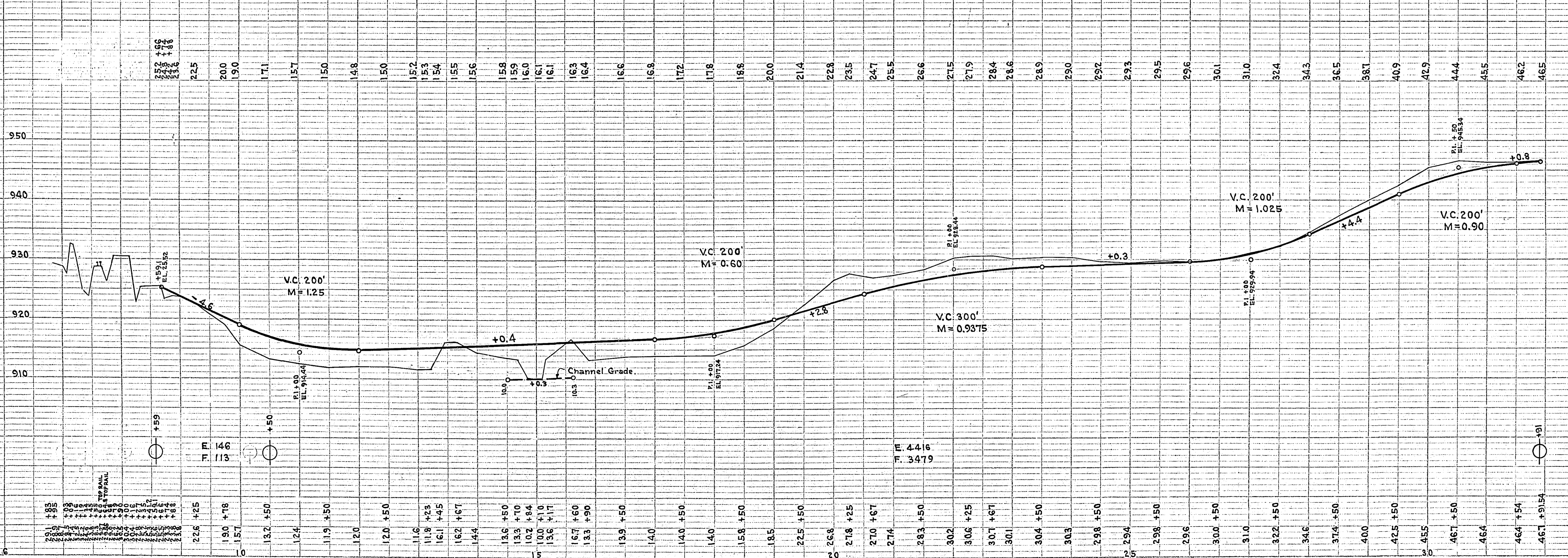
RICE'S ADDITION TO WHITE BEAR

| | | |
|---------|----------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | ALIGNED | |
| | CHECKED | |
| | NO. | |

B.M. Spk. in 1st cutwd.
S.W. Cor. Hugo Rd. & Taylor Ave.
Elev. 933.99

B.M. Spk. in Willow
Rt. Sta. 19+40
Elev. 921.03

B.M. Spk. in P.P.
East of Sta. 31+91.4
Elev. 947.90



| ESTIMATED QUANTITIES | | |
|----------------------|-----------------------|------|
| Excav. | Cu.Yds. | 4562 |
| Furn. & Install. | 15" C.M. Lin. Ft. | 60 |
| " " " " | 48" " " " " | 96 |
| " " " " | 48" Bands Each | 2 |
| " " " " | 18" Conc. P. Lin. Ft. | 46 |
| Rubble Stone | Cu.Yds. | 22 |