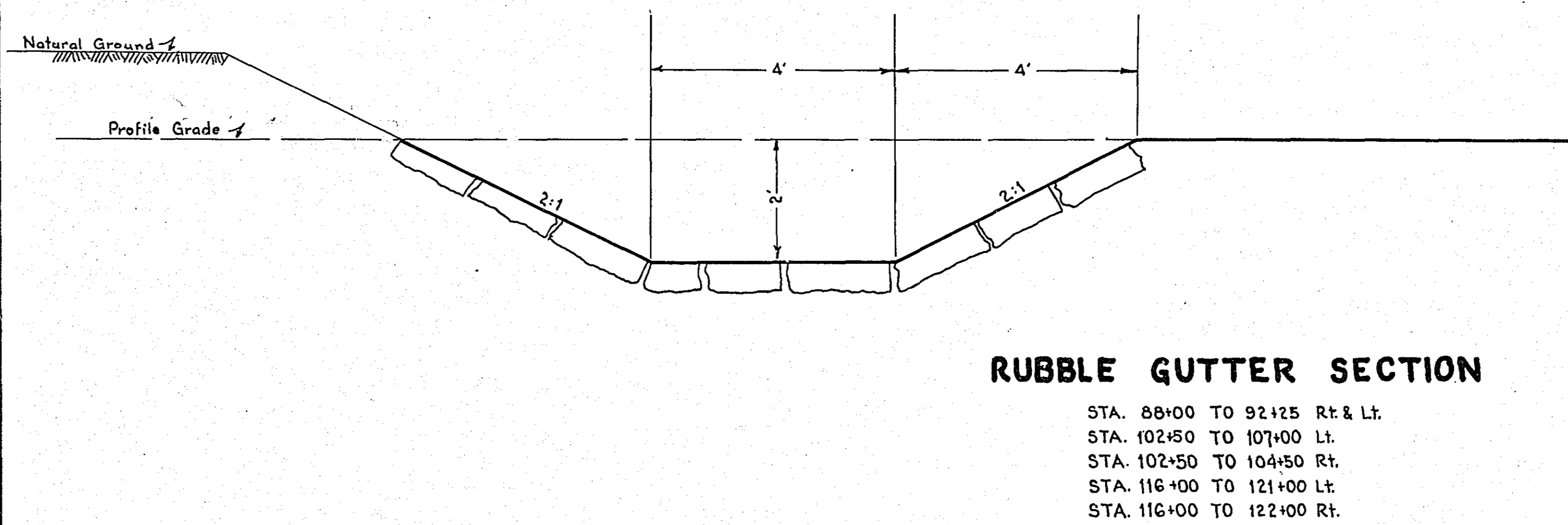
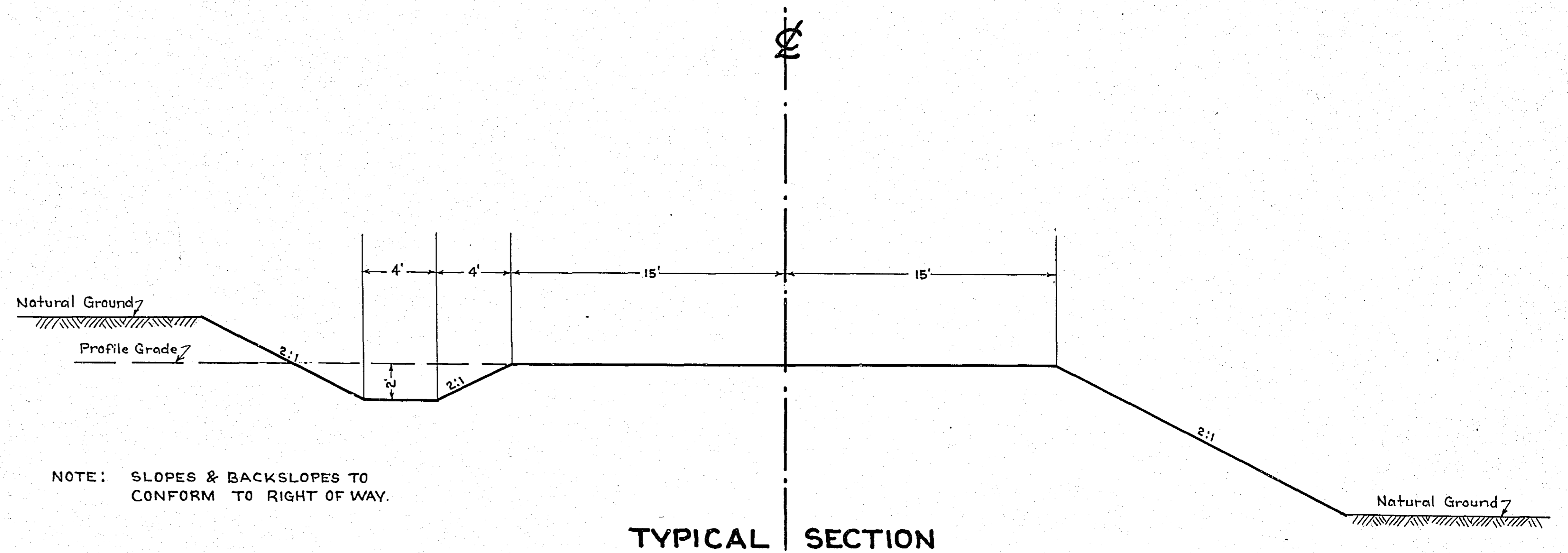


STATEMENT OF ESTIMATED QUANTITIES

| CLASS | ITEM | UNIT | MILE From To | MILE From To | MILE From To | MILE From To | MILE From To | MILE From To | MILE From To | MILE From To | MILE From To | MILE From To | TOTAL ESTIMATED QUANTITIES |
|-------------------------|------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------------------|
| 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 | Lin. Ft. | | | | | | | | | | |
| | 16 | Install | Lin. Ft. | | | | | | | | | | |
| | 17 | Install 18" P ₃ | Lin. Ft. | | | | | | | | | | |
| | 18 | Install 24" P ₃ | Lin. Ft. | | | | | | | | | | |
| | 19 | Install 30" P ₃ | Lin. Ft. | | | | | | | | | | |
| | 20 | Install 36" P ₃ | 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 | | | | | | | | | | | | |
| P ₃ CULVERTS | 1 | Furnish 18" P ₃ | Lin. Ft. | | | | | | | | | | |
| | 2 | Furnish 24" P ₃ | Lin. Ft. | | | | | | | | | | |
| | 3 | Furnish 30" P ₃ | Lin. Ft. | | | | | | | | | | |
| | 4 | Furnish 36" P ₃ | 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 | | | | | | | | | | |
| SURFACE | 1 | Leaving 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 | | | | | | | | | | | | |

DETAILS

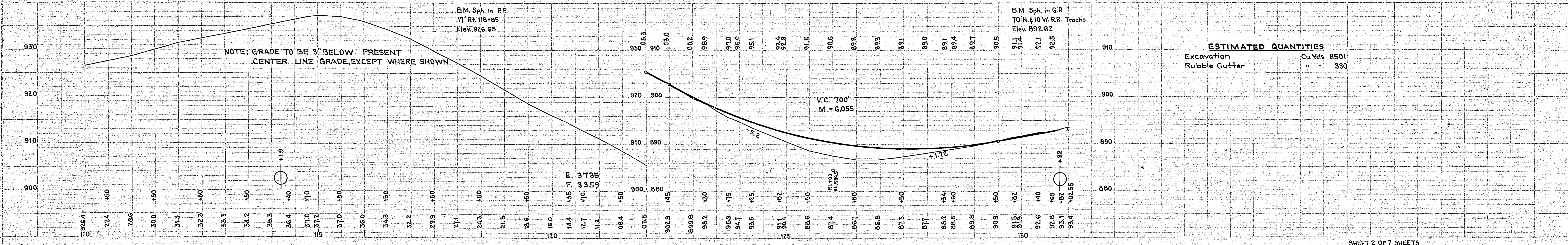
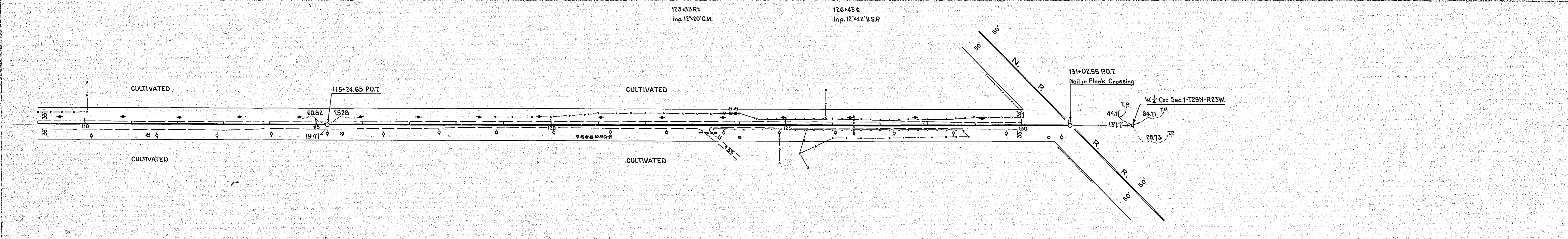
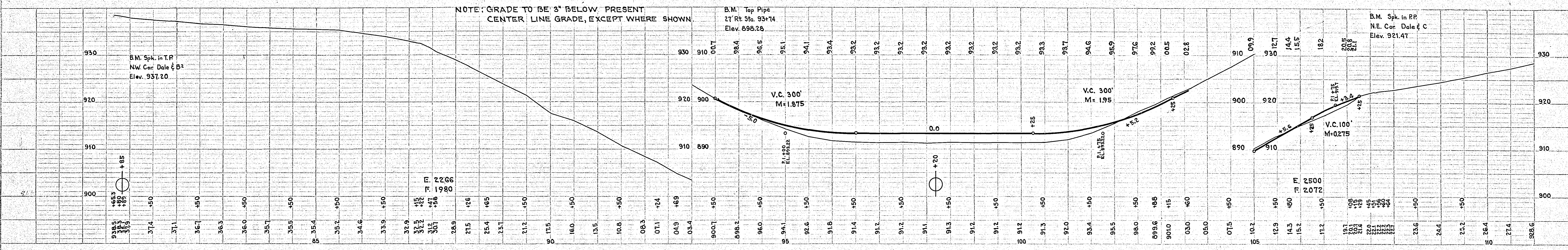
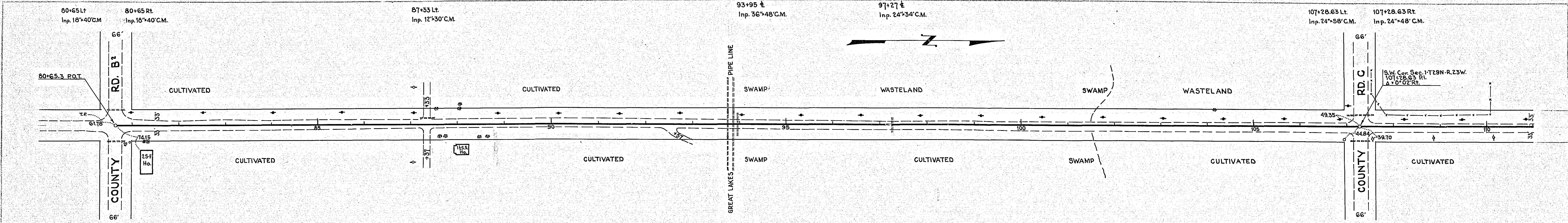


OFFICE OF
 RAMSEY COUNTY SURVEYOR
 HARRY S. BRONSON
 GRADING PLAN OF
DALE STREET
 CO. RD. B¹ TO OWASSO BLVD. SOUTH
 OCT 1938 SCALE AS SHOWN

APPROVED 1938 *Harry S. Bronson*
 COUNTY SURVEYOR
 APPROVED 1938 *W.H. Fallon*
 CHAIRMAN OF COUNTY BOARD

PLAN
 SURVEYED
 PLOTTED
 ROUTE BOOK ALTIMETER CHECKED
 NO. 10

PROFILE
 SURVEYED
 PLOTTED
 ROUTE BOOK CHECKED
 NO. 10



ESTIMATED QUANTITIES
 Excavation Cu Yds 8501
 Rubble Gutter " " 330

Dale St.