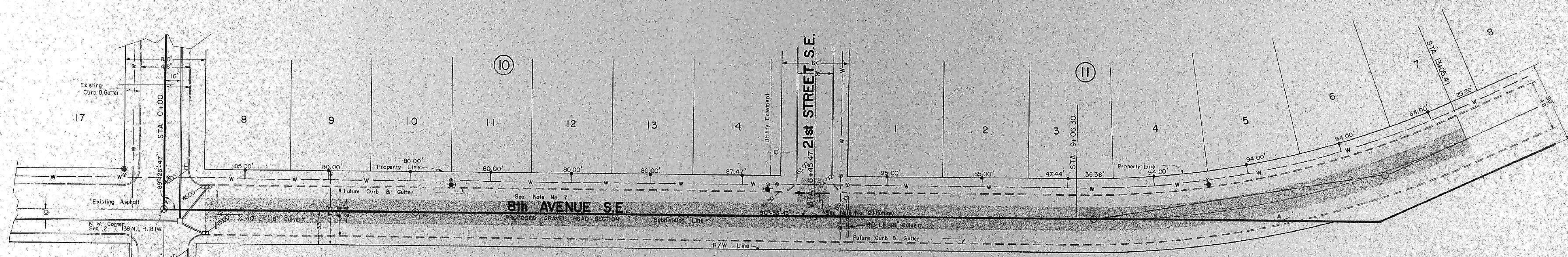


BEGIN QUANTITIES  
STA 0+38.62

END QUANTITIES  
STA 13+05.41

HORIZONTAL SCALE 1" = 50'  
VERTICAL SCALE 1" = 10'  
DATE MAY, 1979

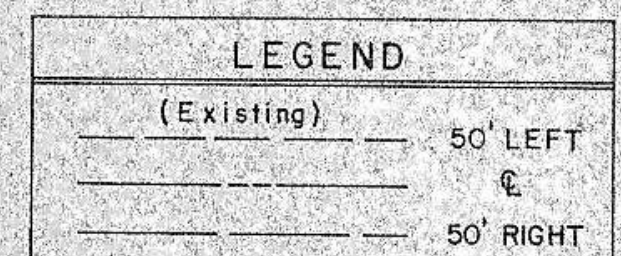
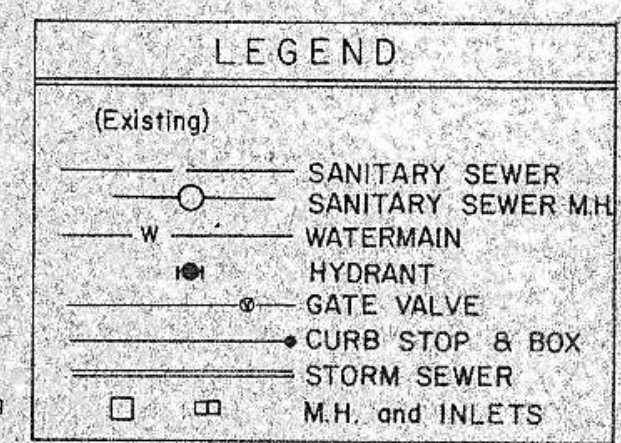
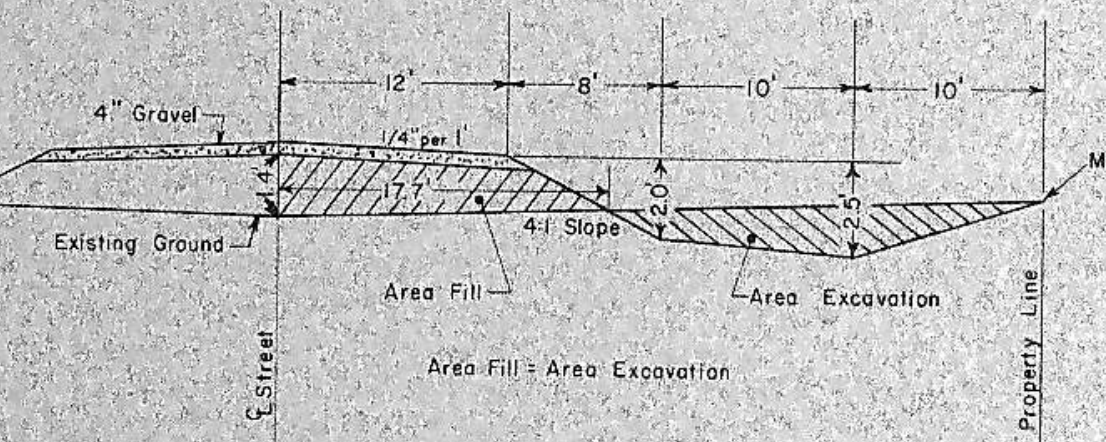


CONSTRUCTION NOTES:

- 1) Preliminary street grading has been done by others.
- 2) Depress crown and tip gutter section to allow drainage as shown. (future)
- 3) All dimensions shown are to face of curb unless otherwise stated.
- 4) All radii at intersections shall be 15' to face of curb unless otherwise stated.
- 5) All elevations shown are to top of curb unless otherwise stated.
- 6) Sewer and Water Improvements shall be completed prior to curb and gutter and asphalt construction. The contractor shall be responsible for the preservation of these improvements and other existing utilities.
- 7) Street as shown above is for future construction. A 24' wide gravel surfaced road shall be built to County Section Standards as shown.
- 8) Class 12 gravel shall be used for road surface.
- 9) Side slopes on approaches shall have a 1" asphalt apron to prevent erosion at the end of the curb and gutter. The cost shall be incidental to other items.
- 10) Straw bales shall be placed in ditches as directed by the Engineer to prevent erosion. Cost shall be incidental to other items.
- 11) All street right-of-way shall be seeded to grass from the edge of the street or road bed to the property line.
- 12) Class IV seeding shall be required.
- 13) Extra rings required to adjust manholes to gravel grade shall be incidental to other items.
- 14) Earthwork quantities were determined by the average end area method with the shrinkage factor excluded from the computations. If additional dirt is required to meet the planned grades on any lot or all streets, the owner shall supply the additional dirt, to be obtained within a one-half (1/2) mile radius of the site, by the contractor, as instructed by the engineer. The payment for the dirt shall be made according to the computed quantities shown on each sheet. The cost due to the additional dirt supplied shall be considered incidental to all other bid items.
- 15) A 16-20-0 fertilizer spread at the rate of 3 pounds per 100 square yards shall be used prior to seeding.

CURVE DATA  
Curve A

Δ	23° 56' 47"
D	60' 00' 00"
T	202.60'
L	399.11'
R	955.37'
Ext	21.25'



PLAN  
NOTE BOOK  
No.

PROFILE  
NOTE BOOK  
No.

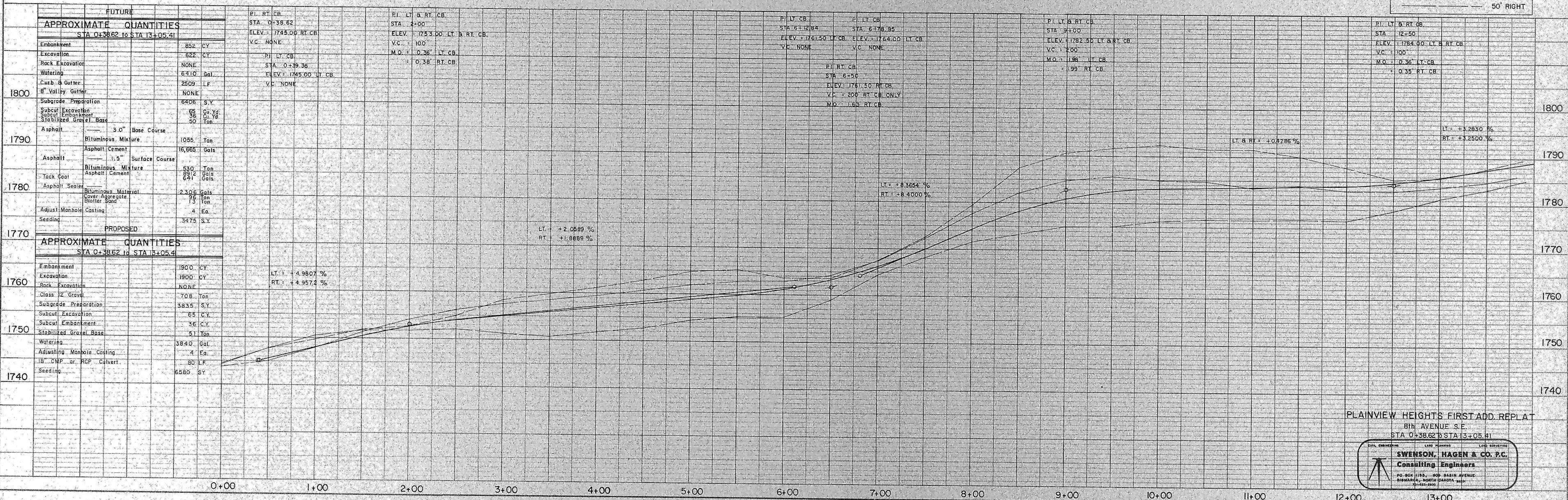


PLATE 1, PLAN-PROFILE  
KEUFFEL & ESSER CO.  
48 7024 MADE IN U.S.A.

PLAINVIEW HEIGHTS FIRST ADD. REPLAT  
BIN AVENUE S.E.  
STA 0+38.62 to STA 13+05.41

SWENSON, HAGEN & CO. P.C.  
Consulting Engineers  
PO BOX 1175, 400 BASIN AVENUE  
BISMARCK, NORTH DAKOTA 58101

SHEET 2 OF 6  
STREET IMPROVEMENT 58  
MANDAN, NORTH DAKOTA