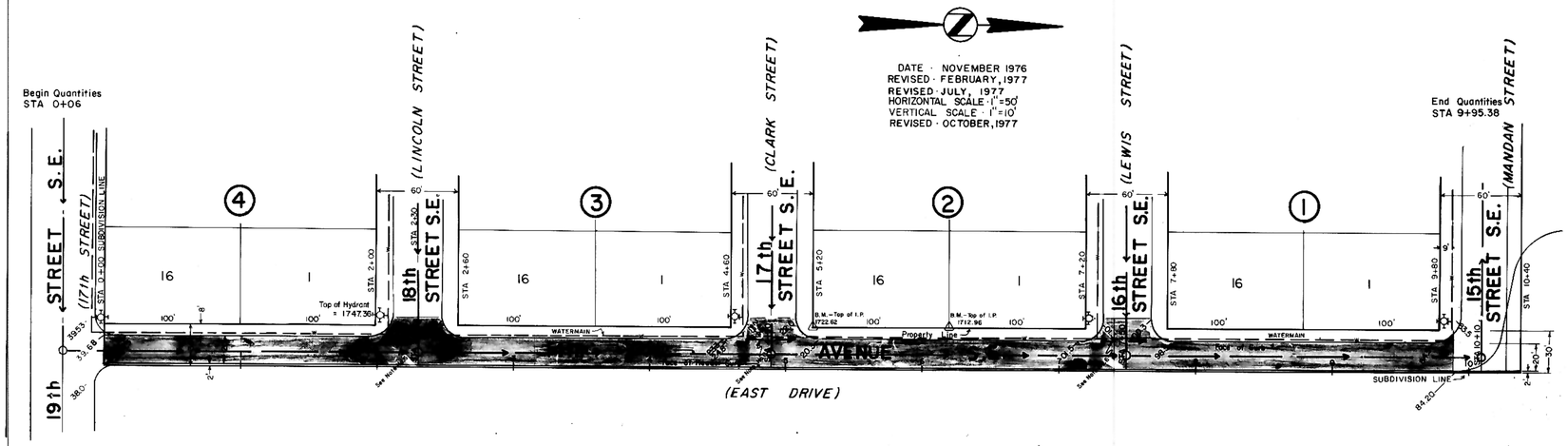
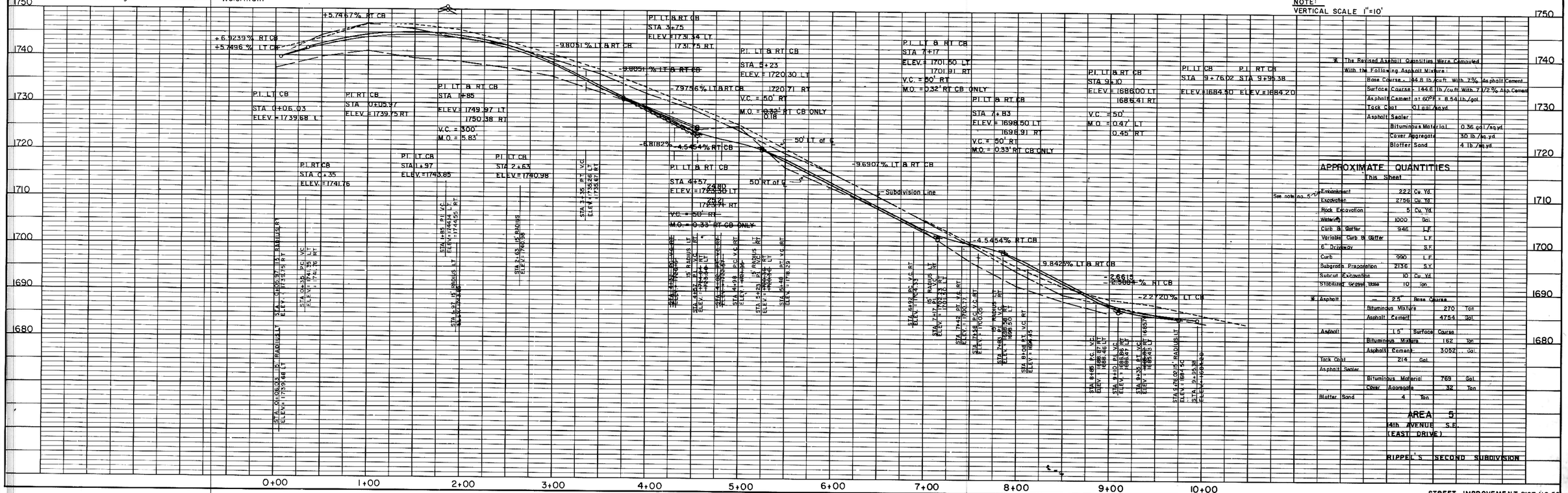


NOTES

1. Sewer and Water Improvements as shown on plans are existing as per date of street improvement plans. Existing Sewer and Water as per Consolidated Water and Sewer Improvement District No. 23.
2. All curb and gutter radii are 15 feet at face of curb unless otherwise stated.
3. Proposed grades are to top of curb.
4. City Engineer shall confirm location of variable curb and gutter for driveways prior to construction of said curb.
5. Embankment quantities include an assumed 25% shrinkage factor.
6. Depress crown to allow drainage to flow across intersection as indicated. Also tip gutter section to allow storm water to flow across intersection.

— — — Subdivision Line — ○ — Manholes — ⋈ Hydrant
- - - - - - 50' Left — → Sanitary Sewer — + — Gate Valve
——— 50' Right — × — Watermain

NOTE:
VERTICAL SCALE 1"=10'



* The Revised Asphalt Quantities Were Computed With the Following Asphalt Mixture:

Base Course	144.8 lb./cu.ft. With 7% Asphalt Cement
Surface Course	144.6 lb./cu.ft. With 7 1/2% Asp. Cement
Asphalt Cement at 60°F	8.54 lb./gal.
Tack Coat	0.1 gal./sq.yd.
Asphalt Sealer	
Bituminous Material	0.36 gal./sq.yd.
Cover Aggregate	30 lb./sq.yd.
Blotter Sand	4 lb./sq.yd.

APPROXIMATE QUANTITIES
This Sheet

Embankment	222	Cu. Yd.
Excavation	2756	Cu. Yd.
Rock Excavation	5	Cu. Yd.
Watering	1000	Gal.
Curb & Gutter	946	L.F.
Variable Curb & Gutter		L.F.
6" Driveway		S.F.
Curb	990	L.F.
Subgrade Preparation	2136	S.Y.
Subcut Excavation	10	Cu. Yd.
Stabilized Gravel Base	10	Ton
* Asphalt — 2.5" Base Course		
Bituminous Mixture	270	Ton
Asphalt Cement	4754	Gal.
Asphalt — 1.5" Surface Course		
Bituminous Mixture	162	Ton
Asphalt Cement	3052	Gal.
Tack Coat	214	Gal.
Asphalt Sealer		
Bituminous Material	769	Gal.
Cover Aggregate	32	Ton
Blotter Sand	4	Ton

See note no. 5

AREA 5
14th AVENUE S.E.
(EAST DRIVE)
RIPPEL'S SECOND SUBDIVISION

PLAN — SURVEYED, PLOTTED, NOTE BOOK, No., ALIGNMENT CHECKED, AS OF MAP CHECKED, BY, DATE

PROFILE — SURVEYED, PLOTTED, NOTE BOOK, No., E.W.L. NOTES, STRUCTURE NOTATIONS CHECKED, BY, DATE

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

STREET IMPROVEMENT DIST. NO. 55
MANDAN, NORTH DAKOTA

DATE REVISED · FEBRUARY, 1978 SHEET No. 5-5