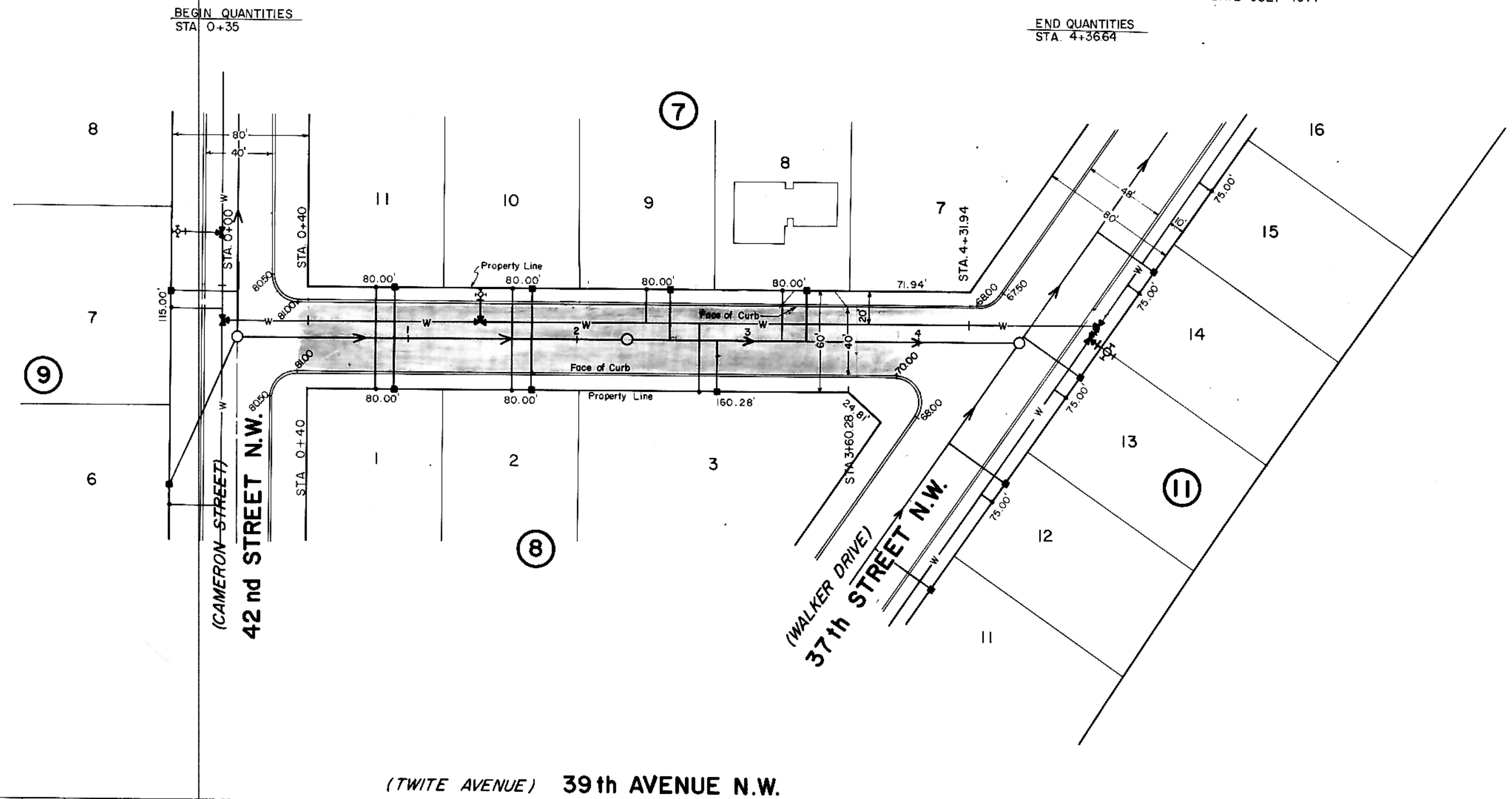


PLAN
 SURVEYED BY
 PLOTTED BY
 NOTE BOOK NO.
 DATE

PROFILE
 SURVEYED BY
 NOTE BOOK NO.
 DATE

HORIZONTAL SCALE: 1"=50'
 VERTICAL SCALE: 1"=5'
 DATE: JULY 1977

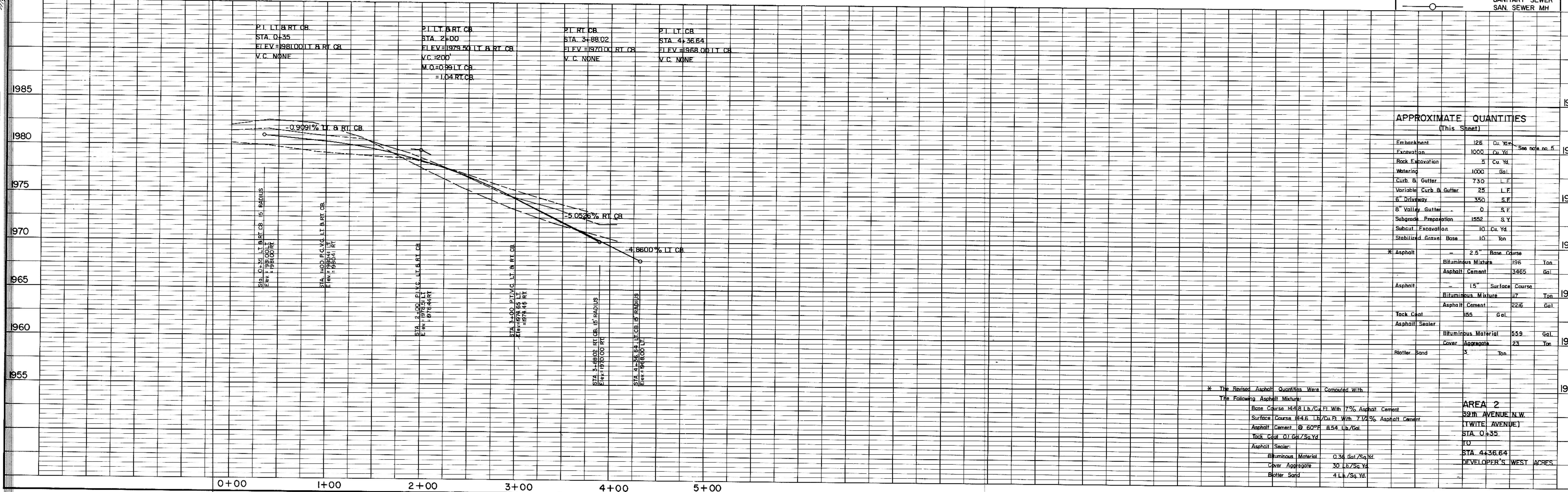
- NOTES:**
- Sewer and Water Improvements as shown on plans are existing as per date of street improvement plans. Existing Sewer and Water as per "Consolidated Water and Sewer Improvement District No. 24".
 - All curb and gutter radii are 15 feet at face of curb unless otherwise stated.
 - Proposed grades are to top of curb unless otherwise stated.
 - City Engineer shall confirm location of variable curb and gutter for driveways prior to construction of said curb.
 - Embankment quantities shown include an assumed 25% shrinkage factor.



LEGEND

(---)	(EXISTING) CENTERLINE
(---)	50' LT.
(---)	50' RT.
(---)	(EXISTING) WATERMAINS
(---)	HYDRANTS
(---)	GATE VALVES
(---)	TEES
(---)	PLUGS
(---)	SANITARY SEWER
(---)	SAN. SEWER MH

(TWITE AVENUE) 39th AVENUE N.W.



APPROXIMATE QUANTITIES
 (This Sheet)

Embankment	128	Cu. Yd.	See note no. 5
Excavation	1000	Cu. Yd.	
Rock Excavation	5	Cu. Yd.	
Watering	1000	Gal.	
Curb & Gutter	73.0	L.F.	
Variable Curb & Gutter	25	L.F.	
6" Driveway	350	S.F.	
8" Valley Gutter	0	S.F.	
Subgrade Preparation	1552	S.Y.	
Subcut Excavation	10	Cu. Yd.	
Stabilized Gravel Base	10	Ton	
Asphalt	2.5	Base Course	
Bituminous Mixture	196	Ton	
Asphalt Cement	3465	Gal.	
Asphalt	1.5	Surface Course	
Bituminous Mixture	17	Ton	
Asphalt Cement	226	Gal.	
Tack Coat	155	Gal.	
Asphalt Sealer			
Bituminous Material	559	Gal.	
Cover Aggregate	23	Ton	
Blotter Sand	3	Ton	

The Revised Asphalt Quantities Were Computed With The Following Asphalt Mixture:
 Base Course 14.48 Lb./Cu. Ft. With 7% Asphalt Cement
 Surface Course 14.6 Lb./Cu. Ft. With 7.12% Asphalt Cement
 Asphalt Cement @ 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.

AREA 2
 39th AVENUE N.W.
 TWITE AVENUE
 STA 0+35
 STA 4+36.64
 DEVELOPER'S WEST ACRES

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

STREET IMPROVEMENT DISTRICT No. 55
 MANDAN, NORTH DAKOTA
 SHEET No. 2-10
 DATE REVISED—February, 1978