13th STREET

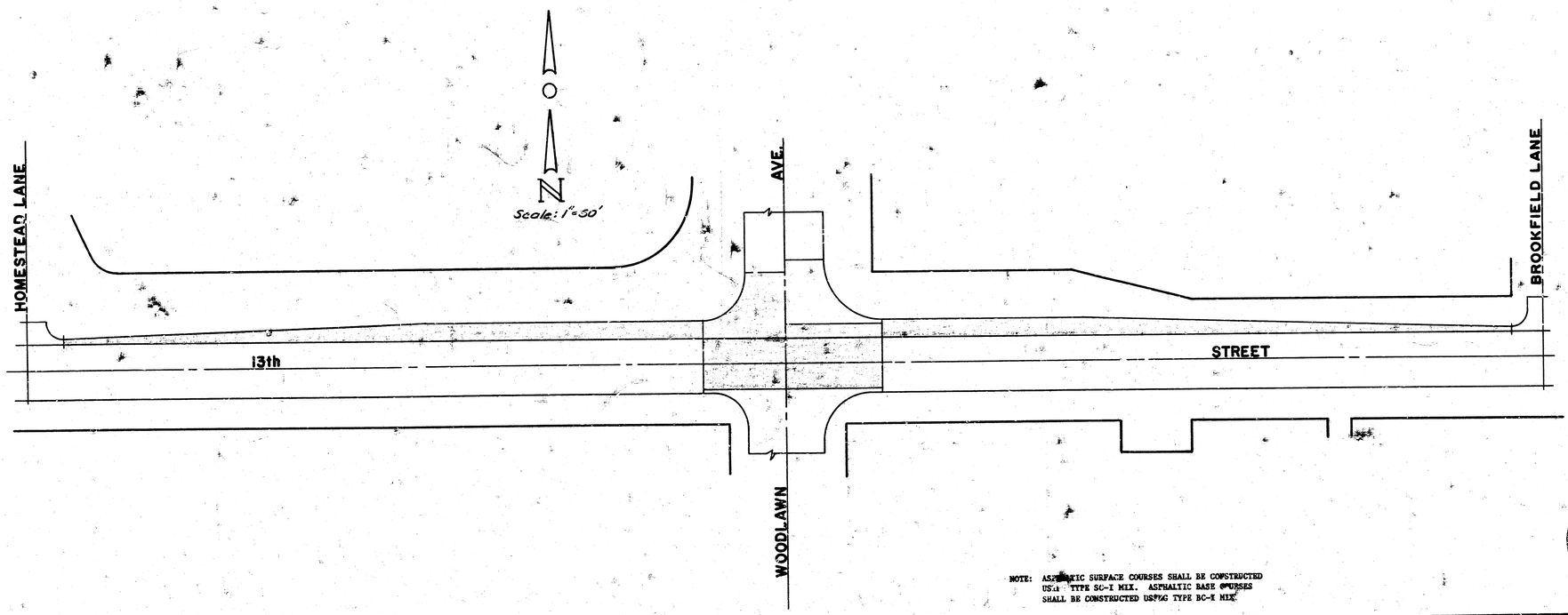
E.L. HOMESTEAD LANE TO W.L. BROOKFIELD LANE

CITY OF WICHITA, KANSAS

R.W. BRUGGEMAN DIRECTOR OF ENGINEERING / CITY ENGINEER

DATE:

PROJ. NO. 472 76 245 81218 000 000 001



NOTE: ASPHALTIC SURFACE COURSES SHALL BE CONSTRUCTED USING TYPE SC-I MIX. ASPHALTIC BASE COURSES SHALL BE CONSTRUCTED USING TYPE BC-I MIX.

NOTE: TRAFFIC ON 13TH STREET AND ON WOODLAWN AVENUE SHALL BE CARRIED THROUGH CONSTRUCTION WITH AT LEAST ONE LANE FOR EACH DIRECTION OF TRAVEL.

DONALD E. SCHNEIDER LICENSED 6311 KANSAS PROFESSIONAL ENGINEER

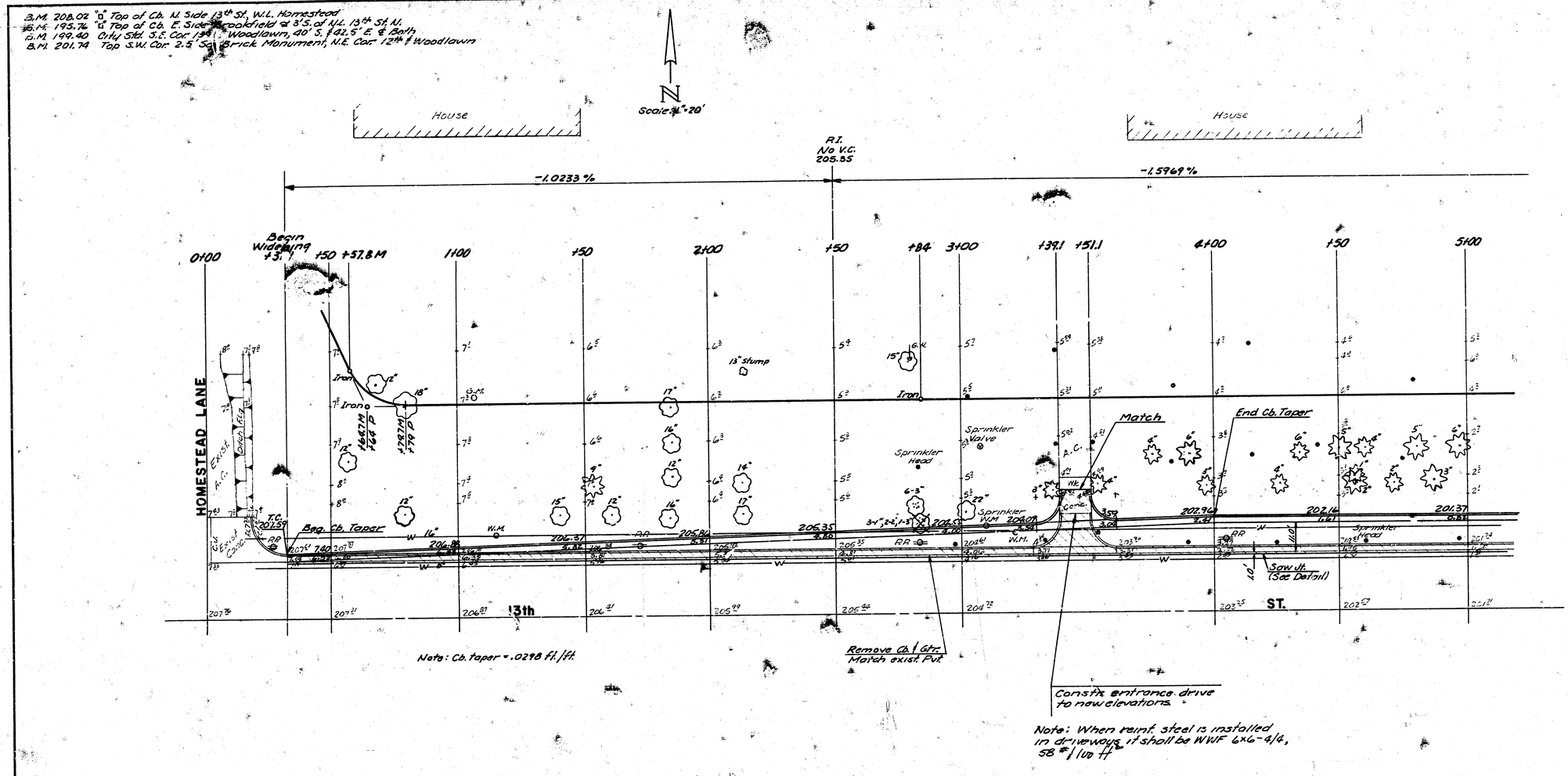
3206 KANSAS

PROJECT DESCRIPTION: 13th STREET E.L. HOMESTEAD LANE TO W.L. BROOKFIELD LANE		
PROJECT NUMBER: 472 76 245 81218 000 000 001		
BOOK NO. B.R. 78	APPROVED BY	DATE
DRAWN BY D.E.S.		REVISED
CITY OF WICHITA DEPARTMENT OF ENGINEERING		
DIRECTOR OF ENG./CITY ENGINEER R. W. BRUGGEMAN		SCALE

1/9

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B.M. 208.02 "a" Top of Cb. N. Side 13th St. W.L. Homestead
B.M. 195.74 "a" Top of Cb. E. Side Cookfield at 3'S. of N.L. 13th St. N.
B.M. 199.40 City Stk. S.E. Cor. 13th & Woodlawn, 40' S. & 42.5' E. of Bell
B.M. 201.74 Top S.W. Cor. 2.5' Sq. Brick Monument, N.E. Cor. 12th & Woodlawn



Note: Cb. taper = .0298 ft./ft.

Note: When reinf. steel is installed in driveways it shall be WWF 6x6-4/4, 58 #/100 ft

NOTE: PROPERTIES WITHIN THE PROJECT LIMITS WHICH HAVE UNDERGROUND SPRINKLER SYSTEMS ON PUBLIC RIGHT OF WAY WHICH CONFLICT WITH NEW CONSTRUCTION HAVE BEEN NOTIFIED TO REMOVE SUCH IMPROVEMENTS. CONTRACTOR WILL BE REQUIRED TO REMOVE SUCH IMPROVEMENTS SHOULD THEY NOT BE REMOVED BY THEIR OWNER AT THE TIME OF CONSTRUCTION. THE CONTRACTOR WILL BE REQUIRED TO SALVAGE ALL SPRINKLER HEADS AND/OR VALVES AND GIVE SUCH MATERIAL TO THEIR OWNER. PORTIONS OF UNDERGROUND SPRINKLER SYSTEMS NOT IN CONFLICT WITH NEW CONSTRUCTION SHALL BE PROTECTED FROM DAMAGE AND SHALL REMAIN IN PLACE. ALL WORK IN CONNECTION WITH UNDERGROUND SPRINKLER SYSTEMS SHALL BE CONSIDERED AS SUBSIDIARY TO THE CONTRACT PAY ITEMS OF WORK.

Total Earthwork
Excavation
601.3 C.Y.
+10% 60.2
Total 661.7 C.Y.

Note: Trees to be removed are marked thus ⊗. Except that any tree marked for removal, which in the opinion of the Engineer can be saved, shall be spared.

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PROJECT DESCRIPTION
13th STREET
E.L. HOMESTEAD LANE TO W.L. BROOKFIELD LANE
PROJECT NUMBER
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N

Scale: 1" = 20'

-1.5969 %

Equation:
6+64 Back = 6+70.99 Ahead

-0.6805%

Wk. Location & Elevs as Shown

WOODLAWN AVE.

5+00 5+14P 5+14M +50 +55.9 5+88P 5+88M +91.9 7+20.3 7+45.49M +53.74 8+00 +50 9+00 +20.49 +30 +50 +99.70 +20.49 +29.8 10+50

Remove temporary P.A. & replace with 6'6 Sack Conc. and 2" Asph. Surface. Constr. Comb. Cb. & Gtr.

Remove exist. Pvt & replace with 9" Conc. Valley Gutter. Constr. Integral curb.

Bldg.

Metal Sign Post

Conc. Footing

Constr. 4' Wk.

Bushes

Sprinkler Valve

Sprinkler Head

Iron

Pipe FL. 191.78

Match Pvt

Stump

Exist. A.C.

Exist. 9" Conc

Exist. 4' Wk.

Sig. Pole

Match exist. Pvt.

Thimble

Remove exist. Wk.

Exist. 4' Wk.

M.H. Rim 200.27 F.L. 192.80

8" San. S.

Saw Jt. (See Detail)

Beg. Cb. Taper

ST.

Remove Cb. & Gtr. Match exist. Pvt.

Note: Cb. taper = .0299 ft/ft

Match Drive

Saw Jt.

Light Post Footing

Sign Footing

+32.42M

Iron

TC 199.89 FL 9.36

Top 200.31 Invert 192.81

Top 200.57 Invert 192.77

S.M.H.

Exist. 24" RCP

Exist. 24" RCP

Exist. 24" RCP

Exist. 24" RCP

FL. Pipe 192.13±

Install 6 L.F. 18" R.C.P. U.S.F.L. 196.00, D.S.F.L. 195.90

Install 6 L.F. 18" R.C.P. U.S.F.L. 196.20, D.S.F.L. 196.10

Remove 3 existing curb inlets. Removal of leads incidental to inlets removal.

Constr. 3 curb inlets, Type 1A, W = 4'-2" @ 88' ctrs. Remove 20 L.F.± of existing 24" pipe. Constr. East inlet to sufficient depth to allow existing 24" pipe to be extended into new inlet. F.L. Pipe = 192.13± @ new inlet.

Remove exist. Pvt. & replace with 6" 6.6 Sack Conc. & 2" Asph. Surface.

600 Pair Cable

Remove & replace exist. 2" Asph. Surface on 6" Conc. Base.

Remove temporary Pvt.

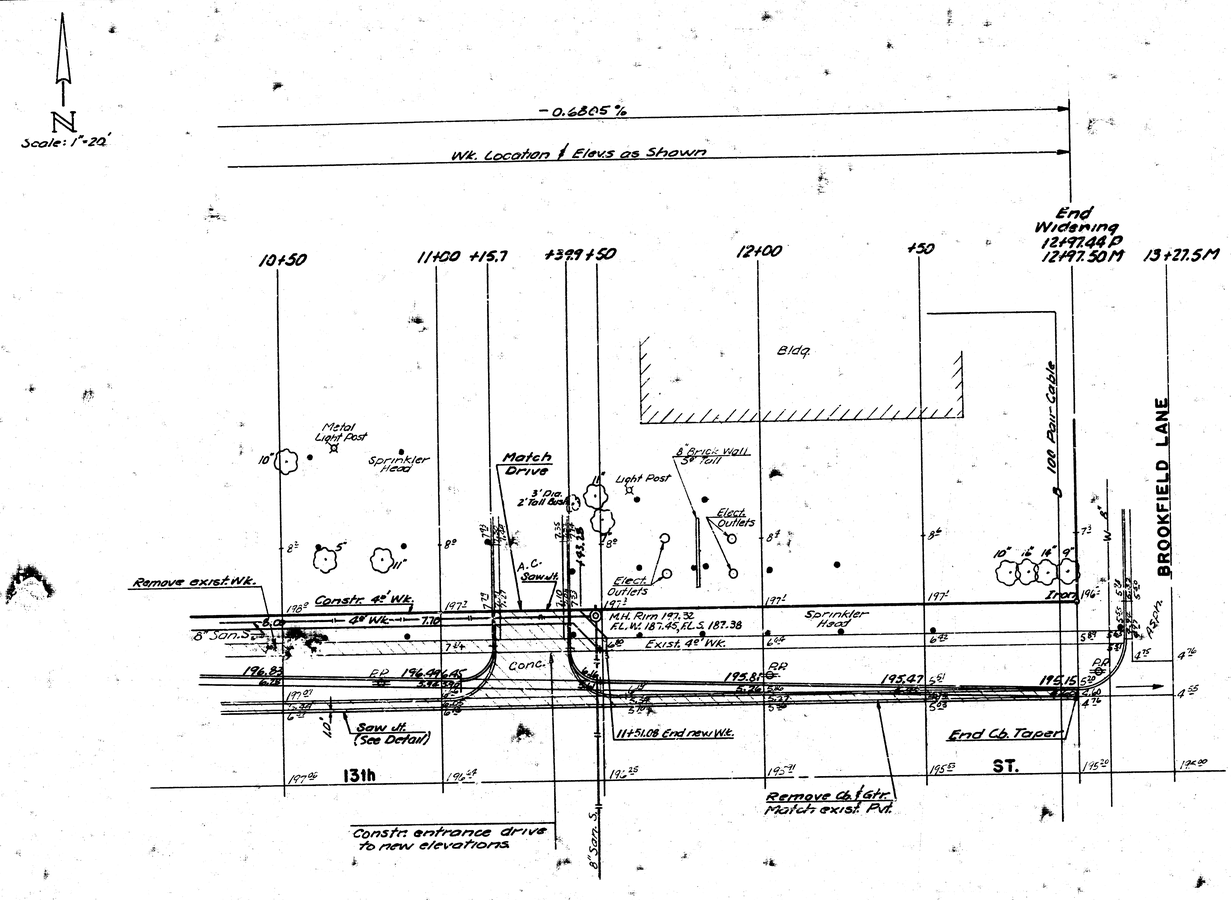
Constr. entrance drive to new elevations. Remove and replace drive behind IP as shown.

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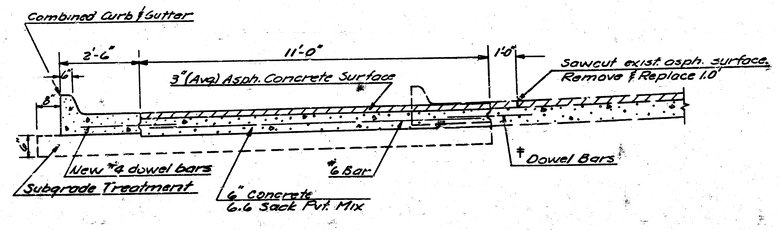
PROJECT DESCRIPTION
13th STREET
E. L. HOMESTEAD LANE TO W.L. BROOKFIELD LANE

PROJECT NUMBER
472 76 245 61218 000 000 001 3/9

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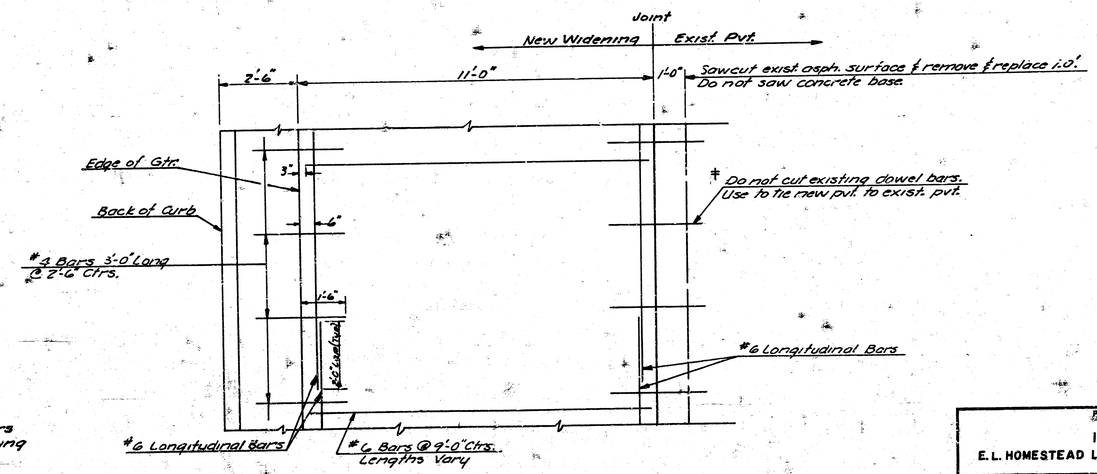


† Note: For exist. reinf. steel to be used it must be at least 2.0 ft. long and clean of concrete debris. Any missing bars must be replaced with 3.0 ft. long bars drilled and grouted in place.



TYPICAL WIDENING SECTION

Note: Reinf. Steel & Dowel Bars subsidiary to Concrete Widening



STEEL & JOINT PATTERN

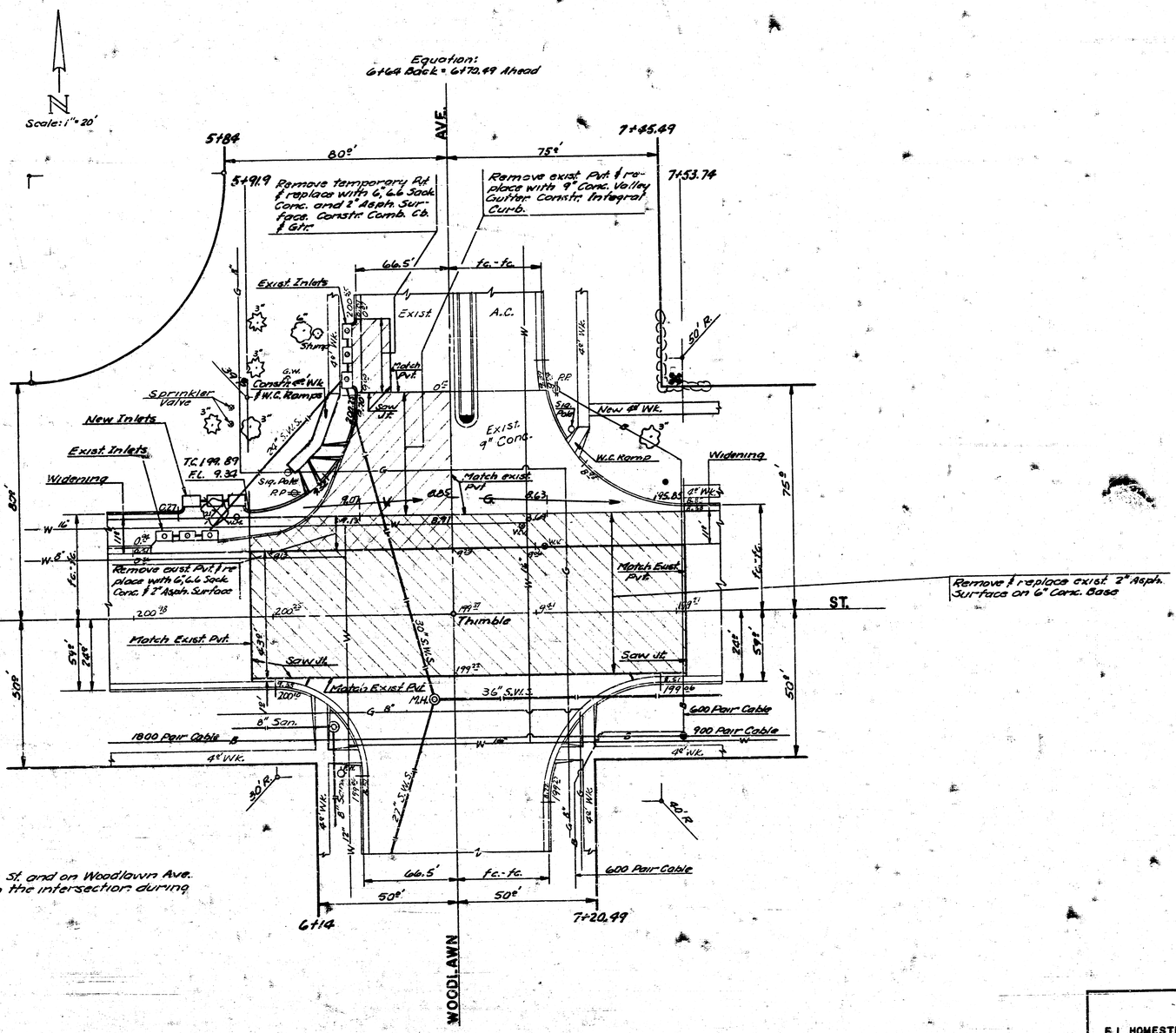
4/9

PROJECT DESCRIPTION
13th STREET
E.L. HOMESTEAD LANE TO W.L. BROOKFIELD LANE

PROJECT NUMBER
472 76 245 81218 000 000 001

4/9

B.M 208.02 "a" Top of Cb. N. Side 13th St. W.L. Homestead
B.M 195.76 "a" Top of Cb. E. Side Brookfield ≈ 3' S. of N.L. 13th St. N.
B.M 199.40 City Std. S.E. Cor. 13th & Woodlawn, 40' S. & 42.5' E. of Both
B.M 201.74 Top S.W. Cor. 2.5" Sq. Brick Monument, N.E. Cor. 12th & Woodlawn



NOTE: Traffic on 13th St. and on Woodlawn Ave. to be carried through the intersection during construction.

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PROJECT DESCRIPTION
13th STREET
E.L. HOMESTEAD LANE TO W.L. BROOKFIELD LANE

PROJECT NUMBER
472 76 245 81218 000 000 001

BOOK NO. B.R. 98	APPROVED BY:	DATE
DRAWN BY D.B.C.		REVISED

CITY OF WICHITA
DEPARTMENT OF ENGINEERING

DIRECTOR OF ENG./CIT. / ENGINEER	SCALE
R. W. BRUGGEMAN	

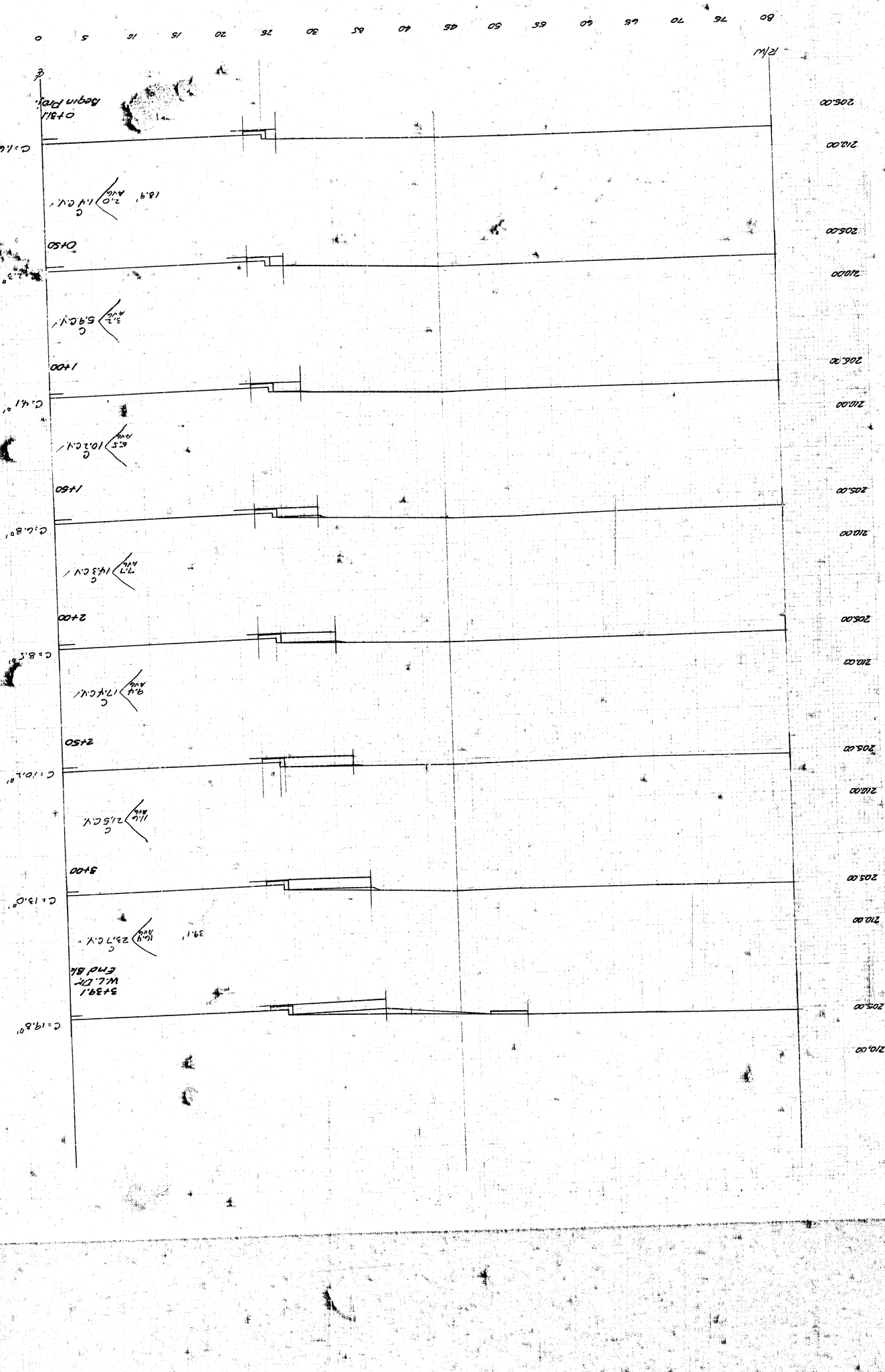
5/9

13th STREET

E.L. HOMESTEAD LANE TO W.L. BROOKFIELD LANE

PROJ. NO. 472 76 245 81218 000 000 001

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13th STREET
E.L. HOMESTEAD LANE TO W.L. BROOKFIELD LANE
PROJ. NO. 472 76 245 81218 000 000 001

EARTHWORK- THIS SHEET
EXCAV. 2975 C.Y.

3+51.1 E.L. DR. Begin AHD

4+00

4+50

5+00

5+65.4

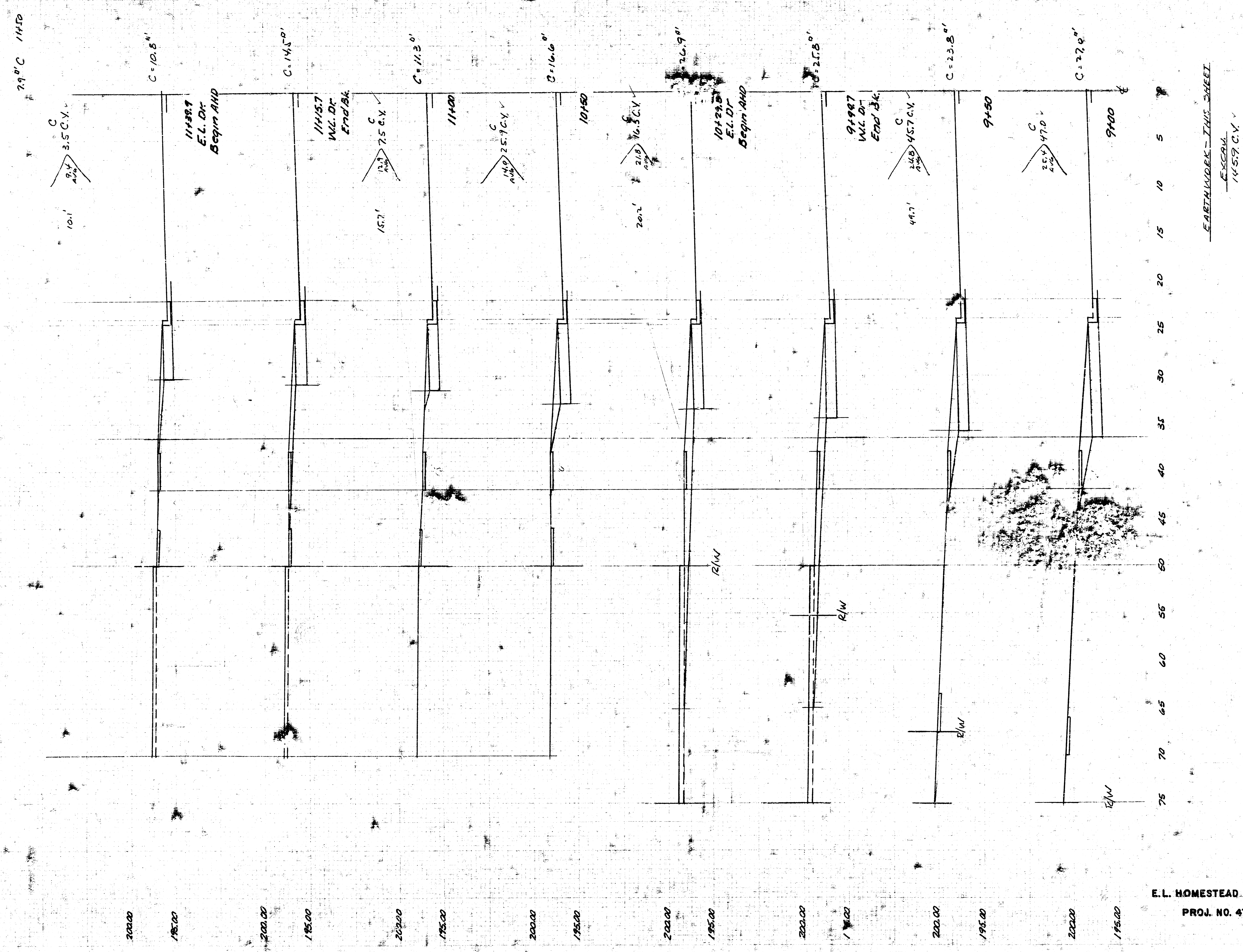
W.S. Woodlawn End

7+39.74 E.S. Woodlawn Begin AHD

8+00

8+50

9+00



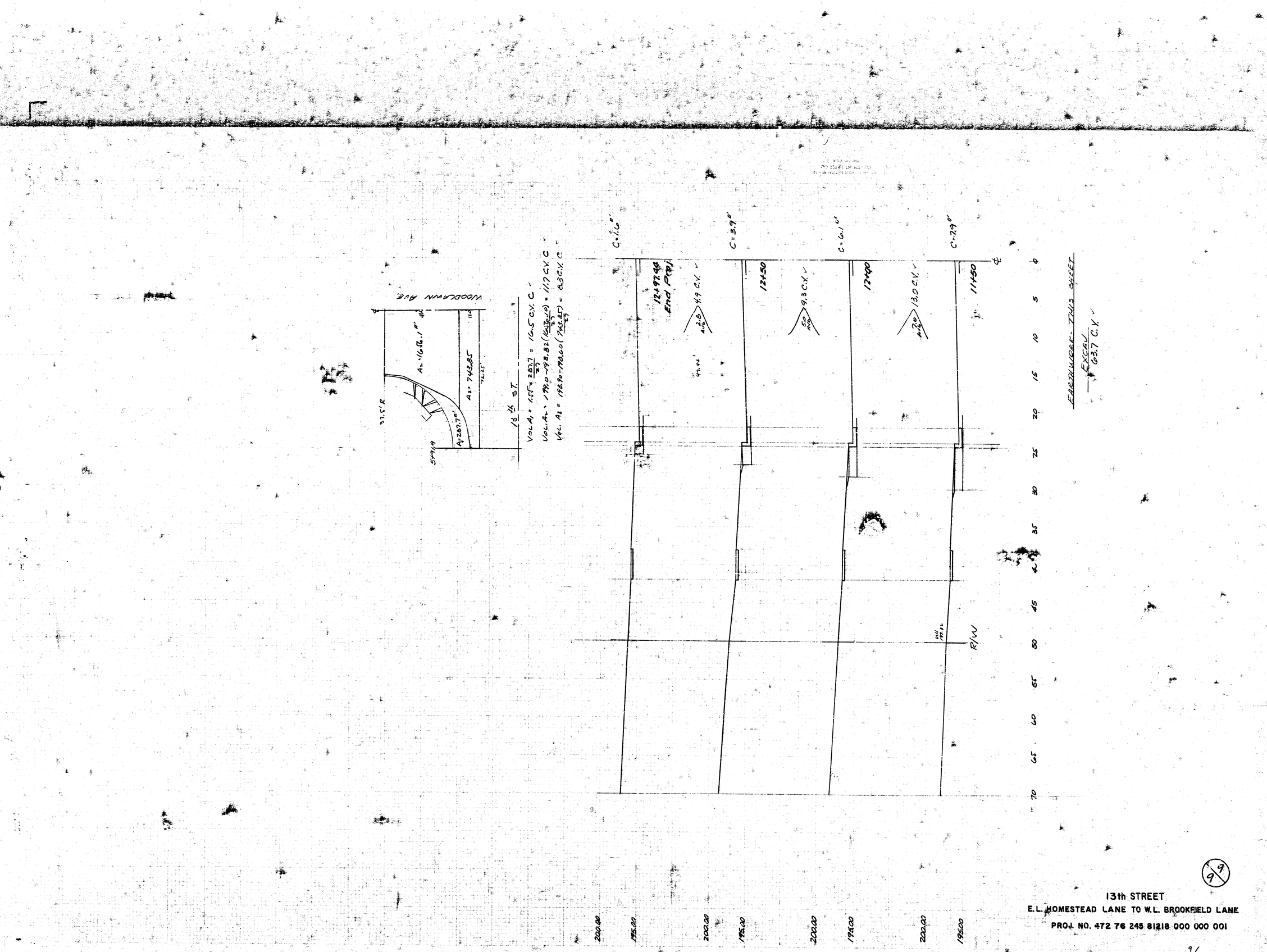
9/8

13th STREET

E.L. HOMESTEAD LANE TO W.L. BROOKFIELD LANE

PROJ. NO. 472 76 245 81213 000 000 001

8/9



13th STREET
E.L. HOMESTEAD LANE TO W.L. BROOKFIELD LANE
PROJ. NO. 472 76 245 81218 000 000 001

9/9

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