

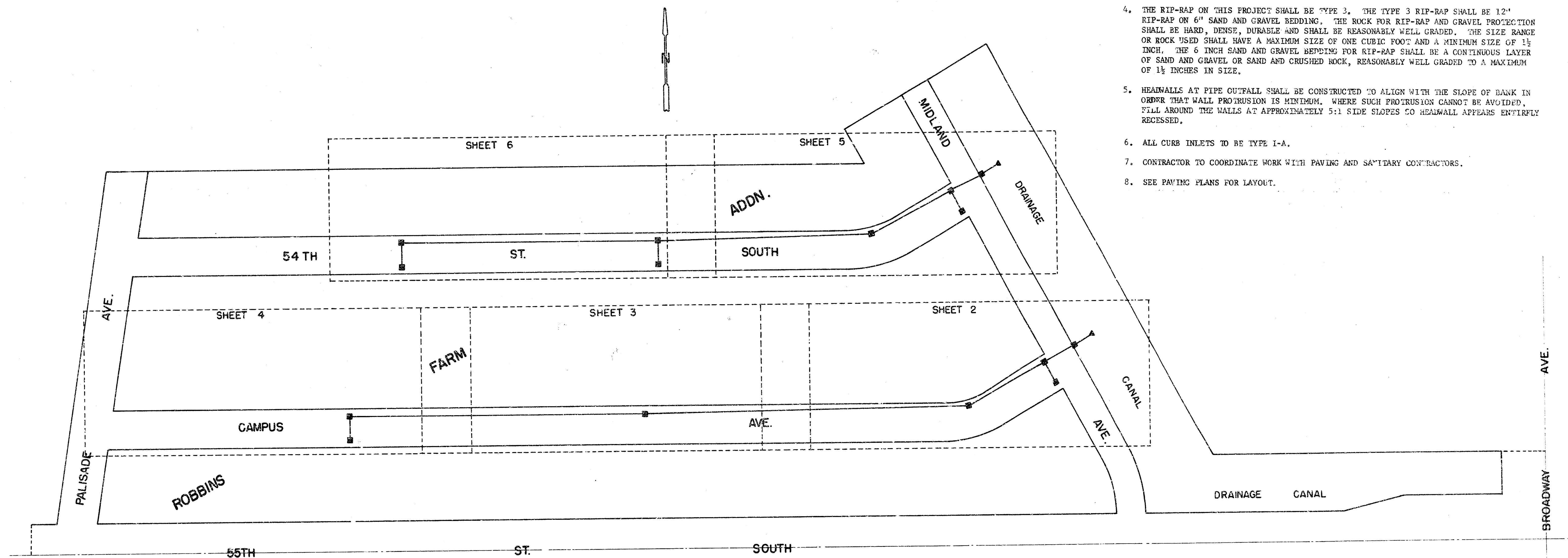
STORM WATER SEWER NO. 139

STORM WATER SEWERS IN ROBBINS FARM ADDN.

CITY OF WICHITA, KS.
R. W. LINN, CITY ENGINEER
PROJ. NO. 468 76 245 80577 000 000 001
DATE: Dec. 22, 1978

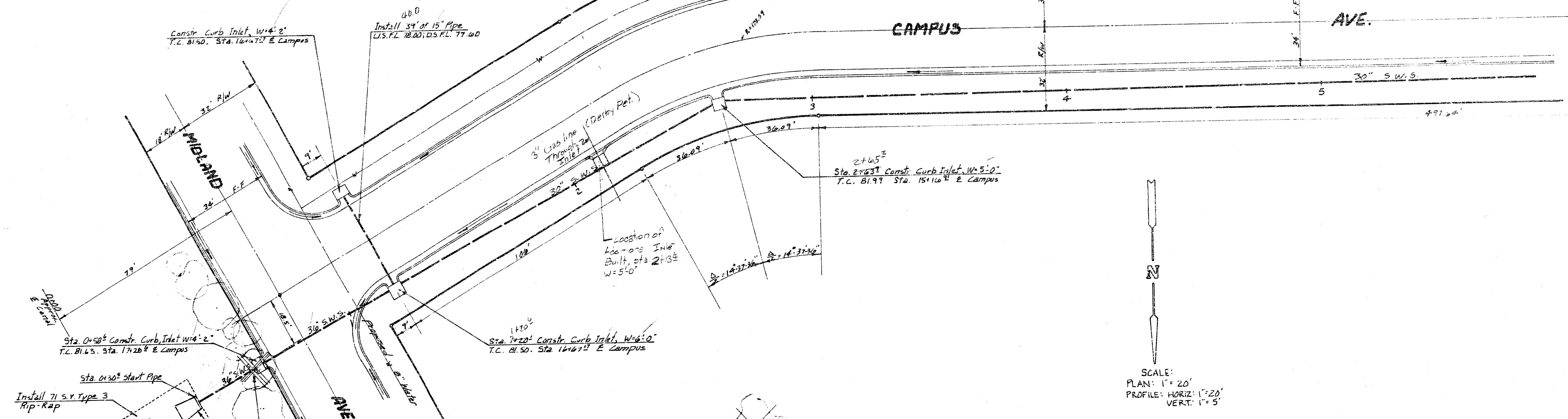
GENERAL NOTES

1. FIELD ENGINEER SHALL TAKE TIES TO ALL IRONS AND THIMBLES WHICH MAY BE DESTROYED. FIELD ENGINEER SHALL REPLACE ALL IRONS AND THIMBLES WHICH ARE DESTROYED.
2. ALL CONCRETE UNLESS OTHERWISE NOTED SHALL BE "6-SACK CONCRETE".
3. ALL METAL PIPES SHALL BE HELICALLY CORRUGATED METAL PIPES FOR SIZES 21" IN DIAMETER (OR EQUIVALENT ARCH PIPE) OR SMALLER, AND FULLY PAVED CORRUGATED METAL PIPE FOR SIZES 24" INCHES IN DIAMETER (OR EQUIVALENT ARCH PIPE) OR LARGER.
4. THE RIP-RAP ON THIS PROJECT SHALL BE TYPE 3. THE TYPE 3 RIP-RAP SHALL BE 12" RIP-RAP ON 6" SAND AND GRAVEL BEDDING. THE ROCK FOR RIP-RAP AND GRAVEL PROTECTION SHALL BE HARD, DENSE, DURABLE AND SHALL BE REASONABLY WELL GRADED. THE SIZE RANGE OR ROCK USED SHALL HAVE A MAXIMUM SIZE OF ONE CUBIC FOOT AND A MINIMUM SIZE OF 1 1/2 INCH. THE 6 INCH SAND AND GRAVEL BEDDING FOR RIP-RAP SHALL BE A CONTINUOUS LAYER OF SAND AND GRAVEL OR SAND AND CRUSHED ROCK, REASONABLY WELL GRADED TO A MAXIMUM OF 1 1/2 INCHES IN SIZE.
5. HEADWALLS AT PIPE OUTFALL SHALL BE CONSTRUCTED TO ALIGN WITH THE SLOPE OF BANK IN ORDER THAT WALL PROTRUSION IS MINIMUM. WHERE SUCH PROTRUSION CANNOT BE AVOIDED, FILL AROUND THE WALLS AT APPROXIMATELY 5:1 SIDE SLOPES TO HEADWALL APPEARS ENTIRELY RECESSED.
6. ALL CURB INLETS TO BE TYPE 1-A.
7. CONTRACTOR TO COORDINATE WORK WITH PAVING AND SANITARY CONTRACTORS.
8. SEE PAVING PLANS FOR LAYOUT.



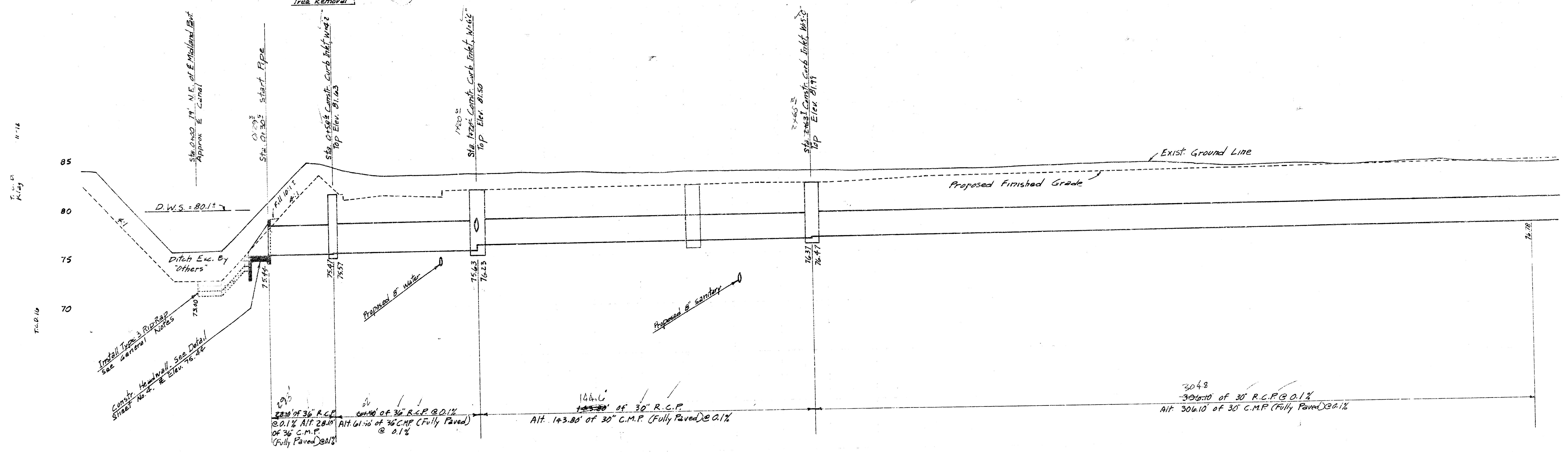
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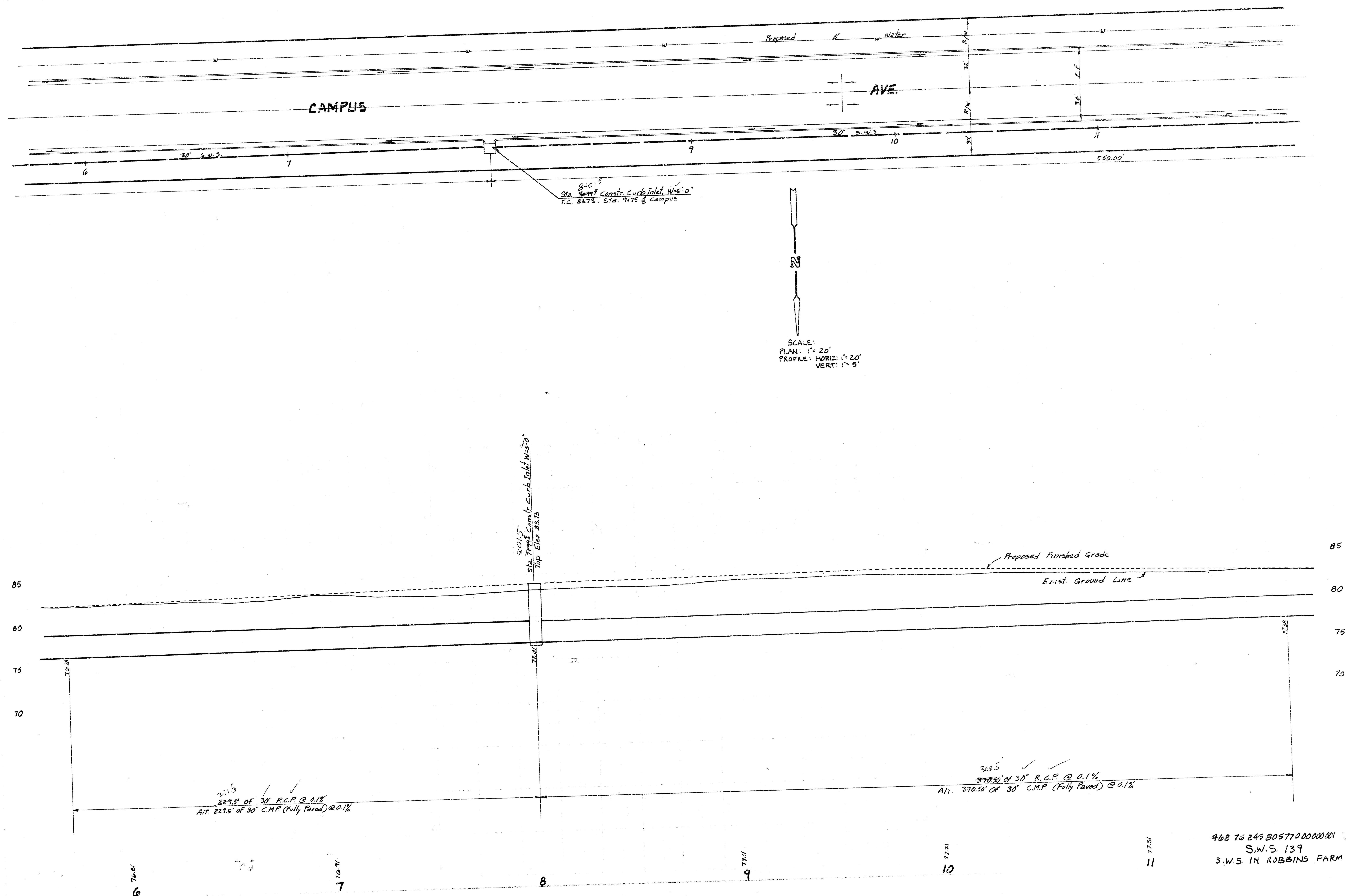
B.M. 8350 - CITY STD. BROADWAY & 55TH ST. S. 44' E. & 52' S.
 E. BOTH.
 B.M. 8136 - CITY STD. GOLD & 55TH ST. S. 45' N. & 48' N. OF
 QUARTER SEC. COR.
 B.M. 8351 - R.R. SPIKE S. SIDE P.P. N. SIDE 55TH ST. S. AT
 INTERSECTION 55TH ST. S. & JONES.

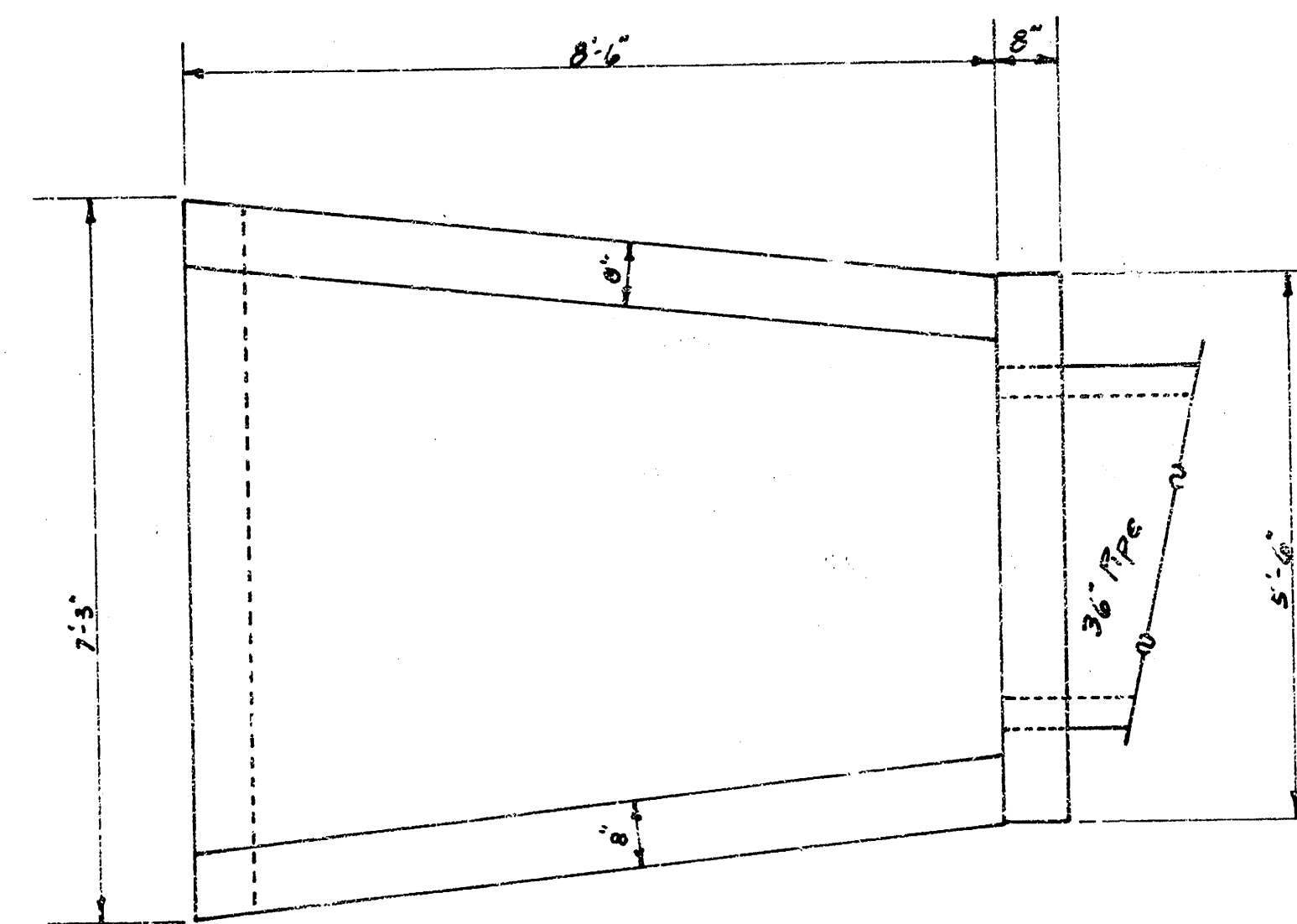
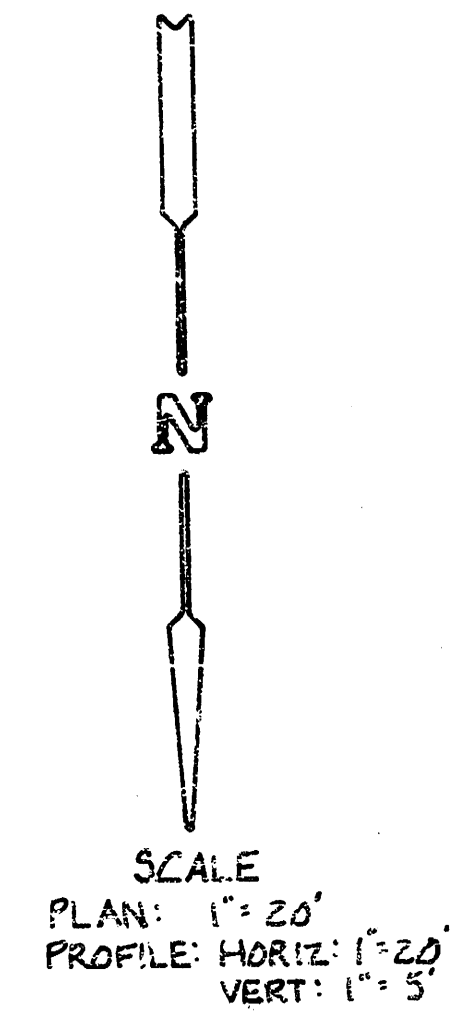


Note: Trees to be removed are marked thus except that any tree marked for removal which in the opinion of the Engineer can be saved, shall be spared.

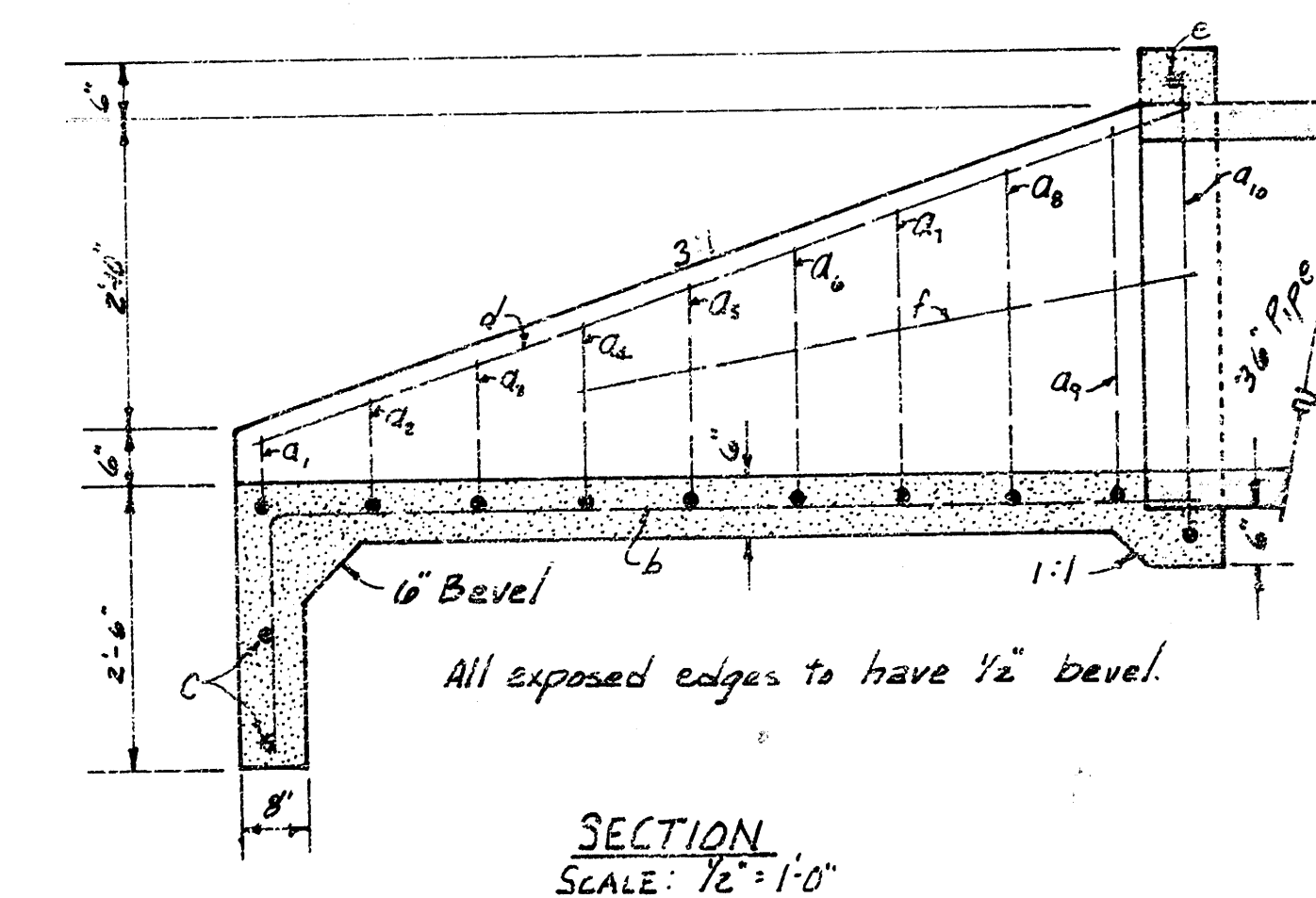
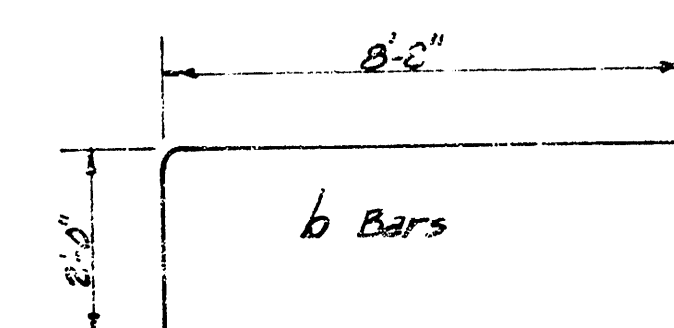
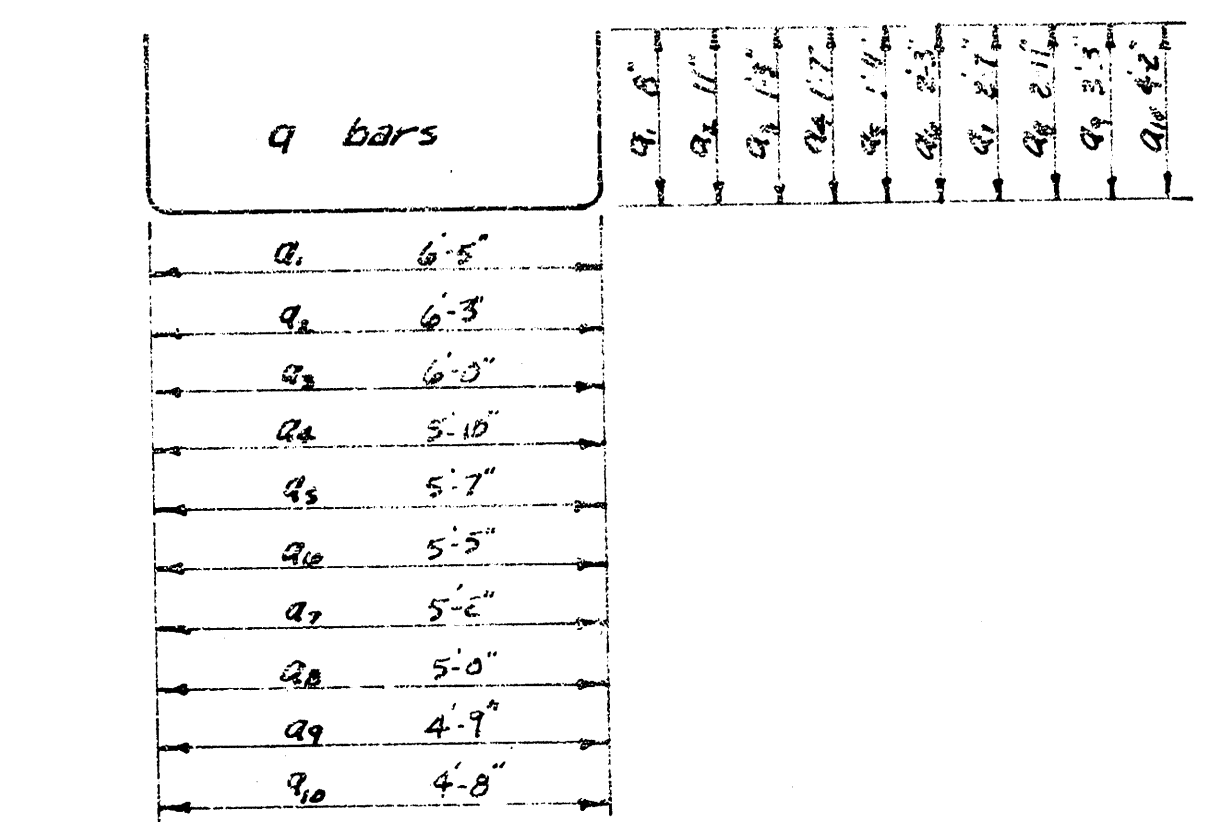
SCALE:
 PLAN: 1" = 20'
 PROFILE: HORIZ. 1" = 20'
 VERT. 1" = 5'







PLAN
SCALE: $\frac{1}{2}" = 1'-0"$

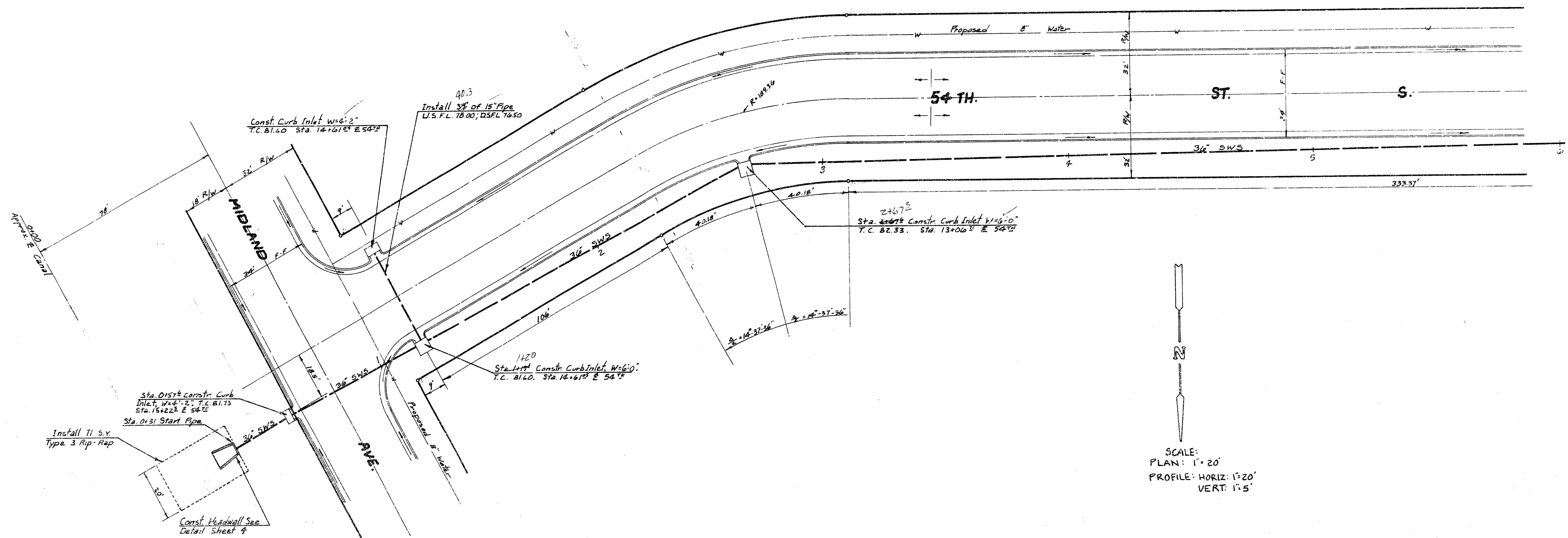


HEADWALL FOR 36" PIPE

TABLE OF QUANTITIES.				
BARs	NUMBER	LENGTH	SHAPE	WEIGHT
a ₁	1	7' 9"		5.177
a ₂	1	8' 1"		5.400
a ₃	1	8' 6"		5.618
a ₄	1	9' 0"		6.012
a ₅	1	7' 5"		6.239
a ₆	1	7' 11"		6.454
a ₇	1	10' 4"		6.993
a ₈	1	10' 10"		7.237
a ₉	1	11' 5"		7.913
a ₁₀	1	13' 0"		9.264
b	8	10' 8"		57.000
c	2	6' 9"		9.018
d	2	9' 3"		12.358
e	1	5' 0"		2.340
f	6	6' 0"		8.016
TOTAL REBAR, lbs.				155.252
CONCRETE, C.Y.				2.60

All Rebar to be #4.

468 76 245 80577 000000001 ⁷/₆
S.W.S. 139
S.W.S. IN ROEBINS FARM



SCALE:
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PROFILE: HORIZ: 1" = 20'
VERT: 1" = 5'

