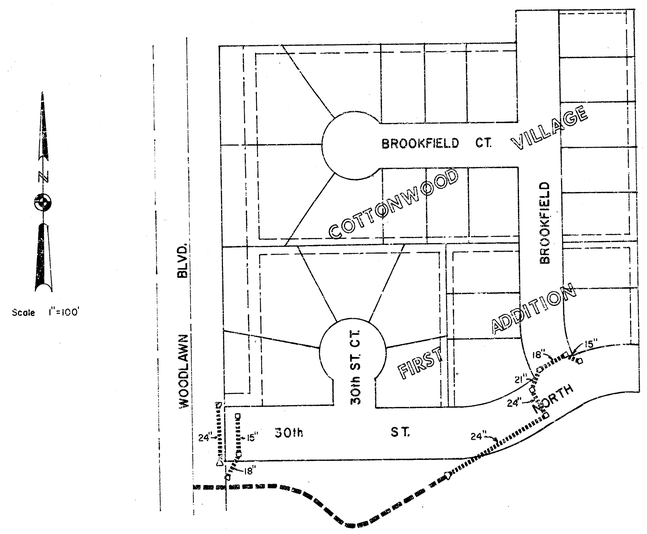
S.W.S. NO. 133
STORM SEWERS IN COTTONWOOD VILLAGE
FIRST ADDITION

PROJECT NO.
468-76-245-80529-000-000-001

CITY OF WICHITA, KANSAS
R.W. LINN CITY ENGINEER
JUNE, 1978



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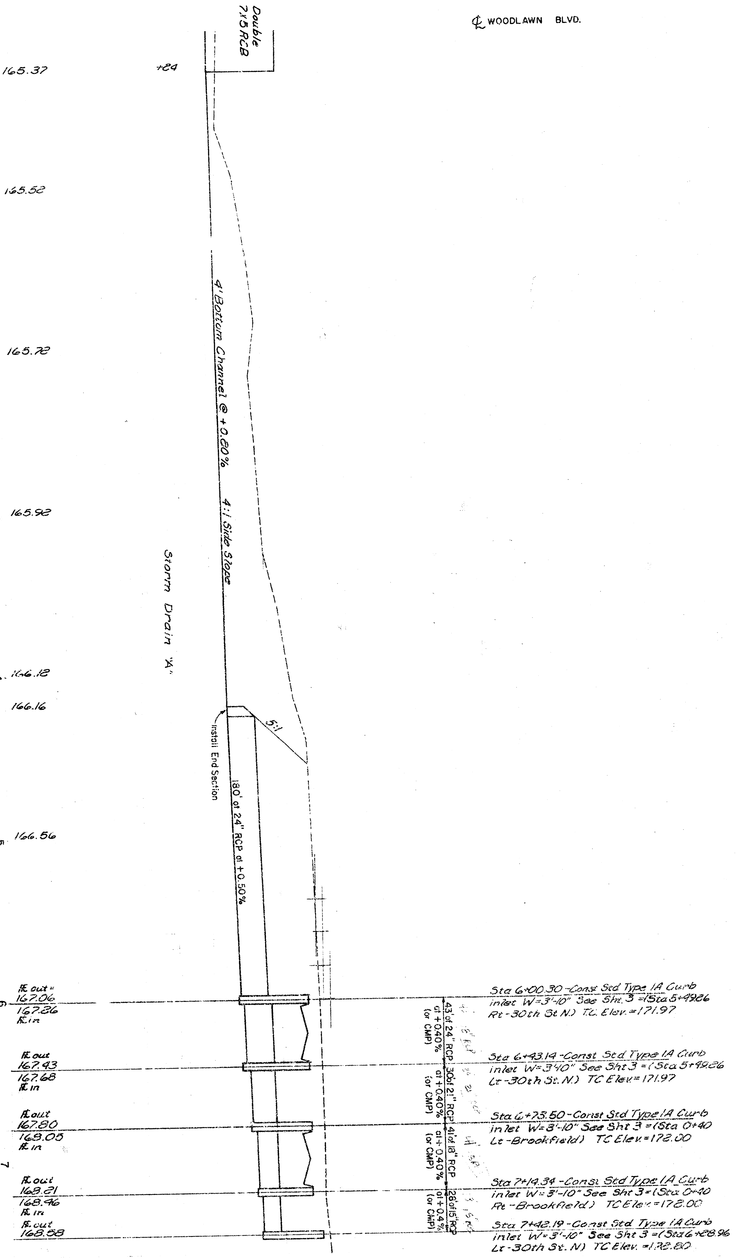
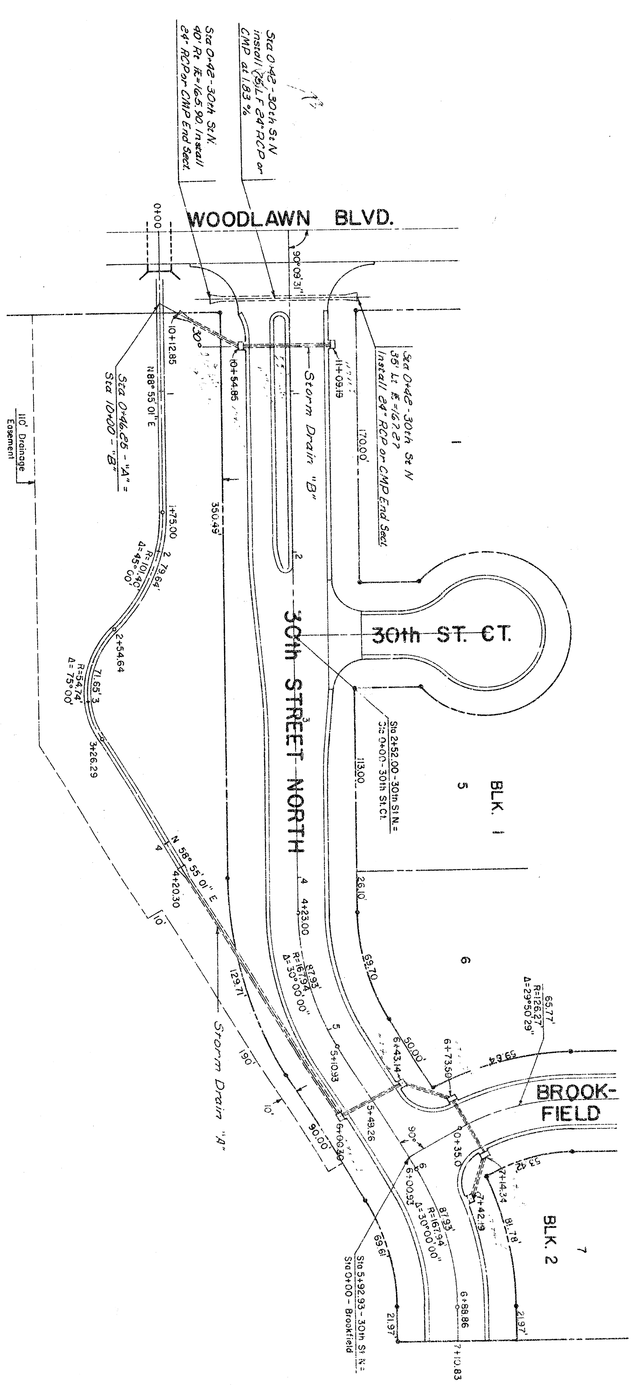
4 STANDARD TYPE "1A" CURB INLET

Kenneth N. Brayton

VAN DOREN - HAZARD - STALLINGS
ARCHITECTS - ENGINEERS - PLANNERS
WICHITA, KANSAS

SHEET 1 OF 12


℄ WOODLAWN BLVD.
Double 7:1 S.C.&G.
4' Bottom Channel @ +0.60%
4:1 Side Slope
Storm Drain "A"
5:1
Install End Section
180' of 24" RCP @ +0.50%
Rt. out = 167.06
Rt. in 167.26
43' of 24" RCP @ +0.50% (or CMP)
Sta 6+00.30 - Const Std Type 1A Curb Inlet W=3'-10" See Sht 3 = (Sta 5+49.26 Rt - 30th St. N.) TC Elev = 171.97
Rt. out 167.43
Rt. in 167.68
300' of 24" RCP @ +0.50% (or CMP)
Sta 6+43.19 - Const Std Type 1A Curb Inlet W=3'-10" See Sht 3 = (Sta 5+92.26 Lt - 30th St. N.) TC Elev = 171.97
Rt. out 167.80
Rt. in 169.00
41' of 18" RCP @ +0.40% (or CMP)
Sta 6+75.50 - Const Std Type 1A Curb Inlet W=3'-10" See Sht 3 = (Sta 0+40 Rt - Brookfield) TC Elev = 172.00
Rt. out 168.21
Rt. in 168.96
28' of 15" RCP @ +0.40% (or CMP)
Sta 7+14.34 - Const Std Type 1A Curb Inlet W=3'-10" See Sht 3 = (Sta 0+40 Rt - Brookfield) TC Elev = 172.80
Rt. out 168.98
Sta 7+42.19 - Const Std Type 1A Curb Inlet W=3'-10" See Sht 3 = (Sta 6+28.96 Lt - 30th St. N.) TC Elev = 172.80
Rt. out = 166.90
Install End Section
42' of 15" RCP @ +0.40%
Storm Drain "B"
Rt. out = 167.10
Rt. in = 167.35
54' of 15" RCP @ +0.40%
Rt. out = 167.62
Sta 10+39.85 - Const Std Type 1A Curb Inlet W=3'-10" See Sht 3 = (Sta 0+70 Rt - 30th St. N.) TC Elev = 171.65
Sta 11+09.19 - Const Std Type 1A Curb Inlet W=3'-10" See Sht 3 = (Sta 0+70 Lt - 30th St. N.) TC Elev = 171.65
65
70
75
0
1
2
3
4
5
6
7
8
9
10
11
12


WOODLAWN BLVD.
Sta 0+42 - 30th St N install 126 L.F. 24" RCP or CMP at 1.83 %
Sta 0+42 - 30th St N 40' Rt. I.E. = 165.90 Install 24" RCP or CMP End Sect.
90°09'31"
0+00
10+12.85
N 88° 55' 01" E
Sta 0+46.05 - "A" = Sta 10+00 - "B"
110' Drainage Easement
1+75.00
R=101.76'
Δ=45°-00'
2+34.64
R=54.74'
Δ=75°-00'
3+26.29
N 58° 55' 01" E
4+20.30
10'
Storm Drain "A"
129.71'
190'
10'
90.50'
4+23.00
R=60.00'
Δ=30°00'00"
5+10.33
R=60.00'
Δ=30°00'00"
5+49.26
R=60.00'
Δ=30°00'00"
6+00.23
R=60.00'
Δ=30°00'00"
6+43.14
6+73.50
Sta 5+92.93 - 30th St N = Sta 0+00 - Brookfield
65.61'
21.97'
6+88.86
7+10.83
Storm Drain "B"
11+09.19
170.00'
Sta 2+52.00 - 30th St N = Sta 0+00 - 30th St Ct.
138.00'
30th ST. CT.
30th STREET NORTH
BLK. 1
5
6
BROOK-FIELD
65.77'
R=126.27'
Δ=29°50'29"
63.69'
50.00'
81.83'
R=161.94'
Δ=29°09'00"
90°
20.25'
7+14.34
7+42.19
91.76'
BLK. 2
7
SCALE: 1"=40'