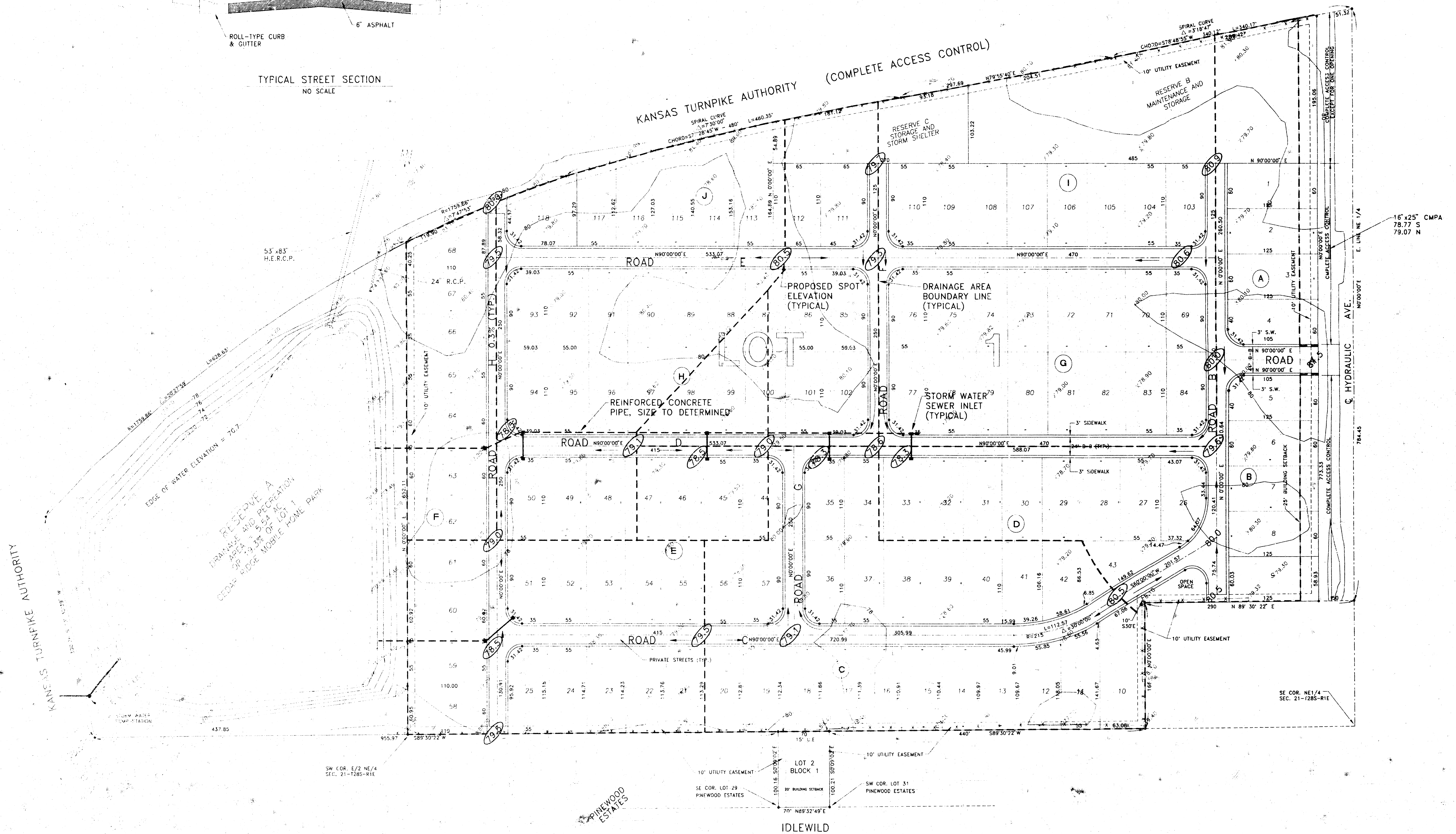
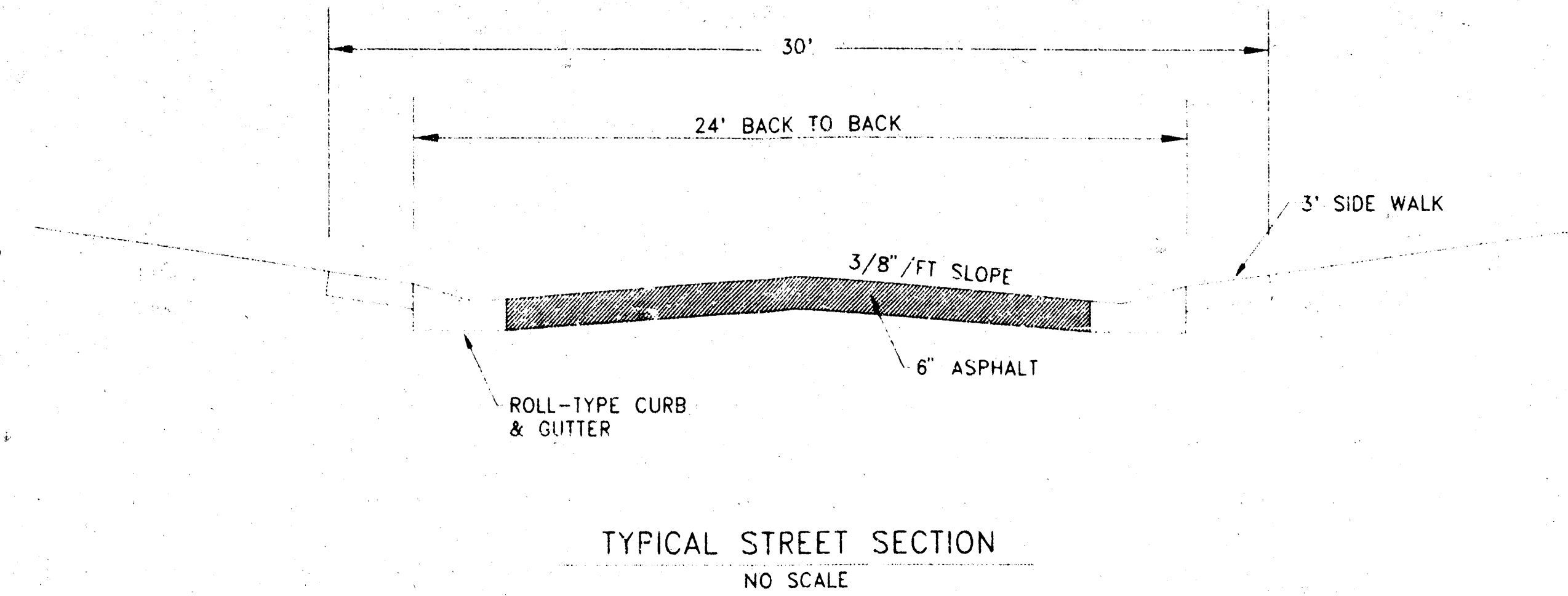


DRAINAGE CONCEPT PLAN
CEDAR RIDGE MOBILE HOME PARK
WICHITA, SEDGWICK COUNTY, KANSAS

REISS & GOODNESS ENGINEERS
2160 WEST 21st STREET
WICHITA, KANSAS 67203
(316) 837-0213

1997

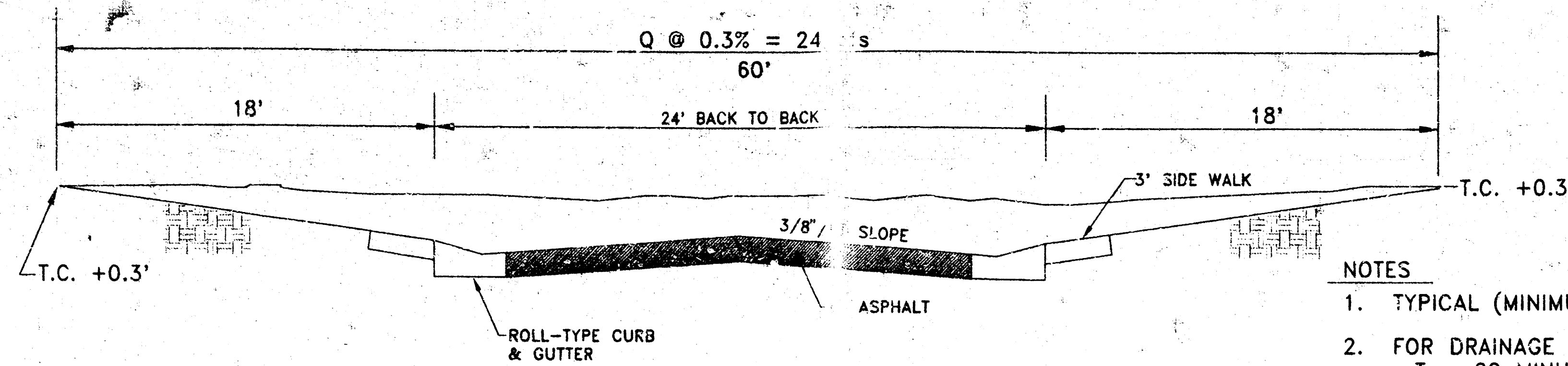
SCALE: 1" = 60'



FINAL DRAINAGE CONCEPT PLAN CEDAR RIDGE MOBILE HOME PARK WICHITA, SEDGWICK COUNTY, KANSAS

REISS & GOODNESS ENGINEERS
2100 WEST 21st STREET
WICHITA, KANSAS 67203
(316) 832-0213

1997

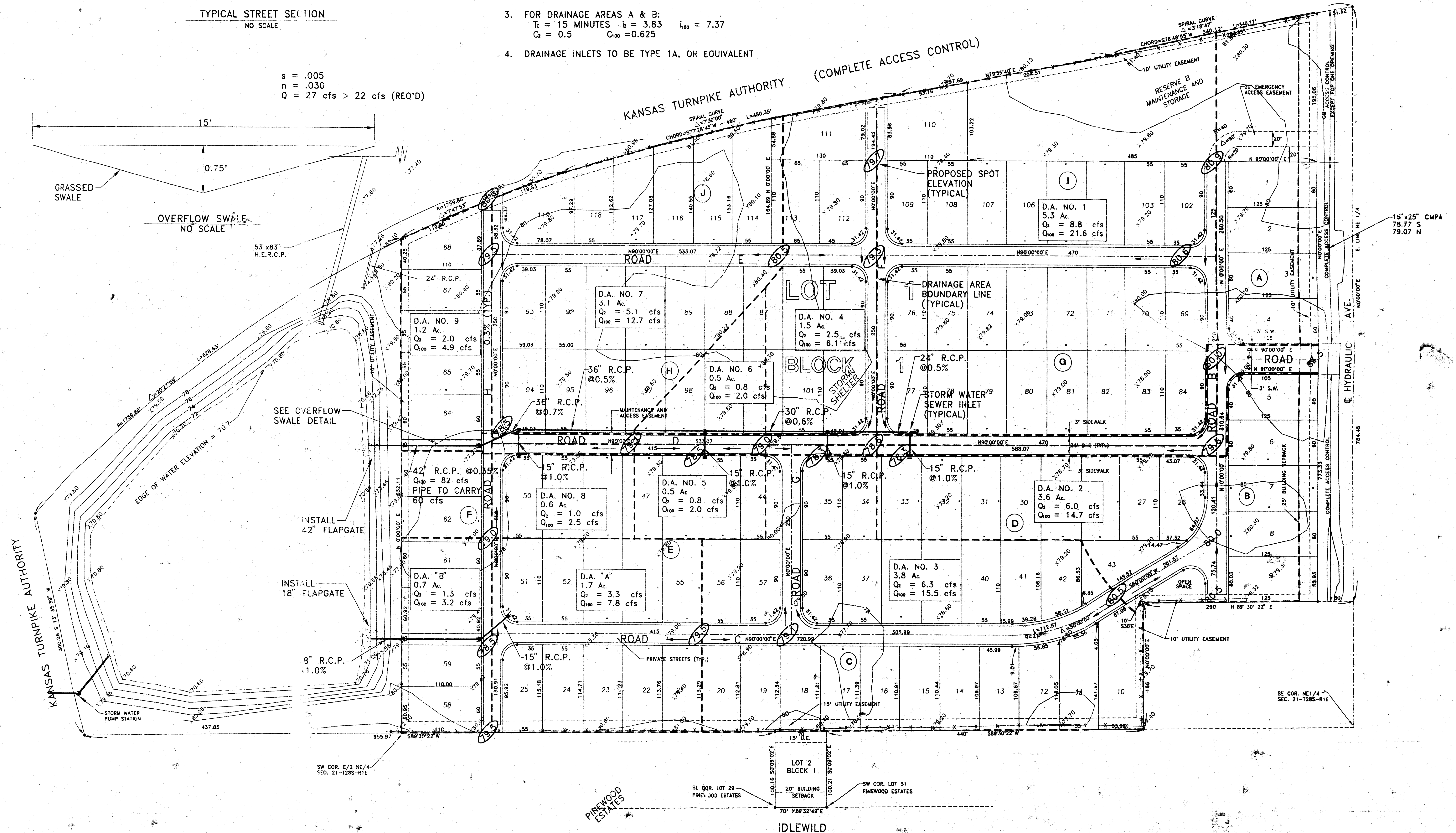


TYPICAL STREET SECTION
NO SCALE

NOTES

1. TYPICAL (MINIMUM) SLOPE = 0.3%
2. FOR DRAINAGE AREAS 1 THROUGH 9:
 $T_c = 20$ MINUTES $i_x = 3.33$ $i_{100} = 6.53$
 $C_x = 0.5$ $C_{100} = 0.625$
3. FOR DRAINAGE AREAS A & B:
 $T_c = 15$ MINUTES $i_x = 3.83$ $i_{100} = 7.37$
 $C_x = 0.5$ $C_{100} = 0.625$
4. DRAINAGE INLETS TO BE TYPE 1A, OR EQUIVALENT

$s = .005$
 $n = .030$
 $Q = 27$ cfs > 22 cfs (REQ'D)



Q @ 0.3% = 24 cfs
60'

18' 24' BACK TO BACK 18'

T.C. +0.3'

3' SIDE WALK

3/8" FT SLOPE

6" ASPHALT

ROLL-TYPE CURB & GUTTER

T.C. +0.3'

NOTES
1. TYPICAL (MINIMUM)
2. FOR DRAINAGE

1997

1. TYPICAL (MINIMUM) SLOPE = 0.3%
2. FOR DRAINAGE AREAS 1 THROUGH 9:
 $t_c = 20$ MINUTES $i_2 = 3.53$ $i_{100} = 6.53$
 $C_2 = 0.5$ $C_{100} = 0.625$
3. FOR DRAINAGE AREAS A & B:
 $t_c = 15$ MINUTES $i_2 = 3.83$ $i_{100} = 7.37$
 $C_2 = 0.5$ $C_{100} = 0.625$
4. DRAINAGE INLETS TO BE TYPE 1A, OR EQUIVALENT

s = .005
n = .030
Q = 27 cfs 22 cfs (REQ'D)

SEE OVERFLOW
SWALE DETAIL

INSTALL
42" FLARGATE

INSTALL
18" FLAPGATE

1

SW COR. E/2 NE/4
SEC. 21-T28S-R1E

PINEWOOD
STATES

LO: 2
BLOCK 1

IDLEWILD

SE COR. NE1/4
SEC. 21-T28S-R1E