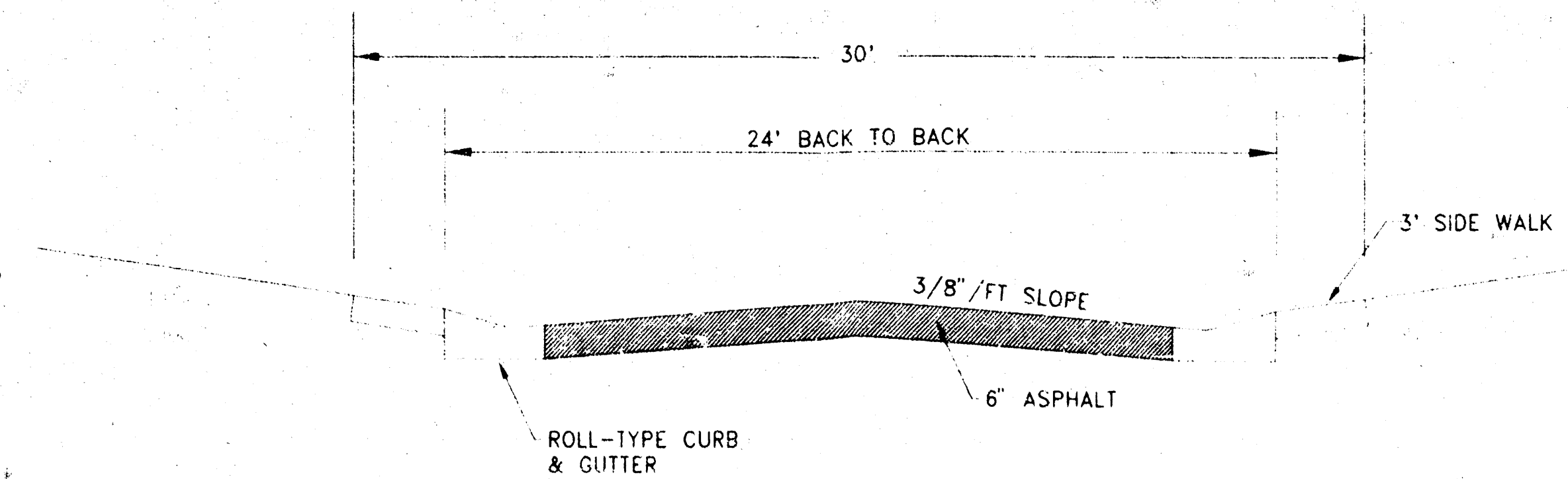


DRAINAGE CONCEPT PLAN CEDAR RIDGE MOBILE HOME PARK WICHITA, SEDGWICK COUNTY, KANSAS

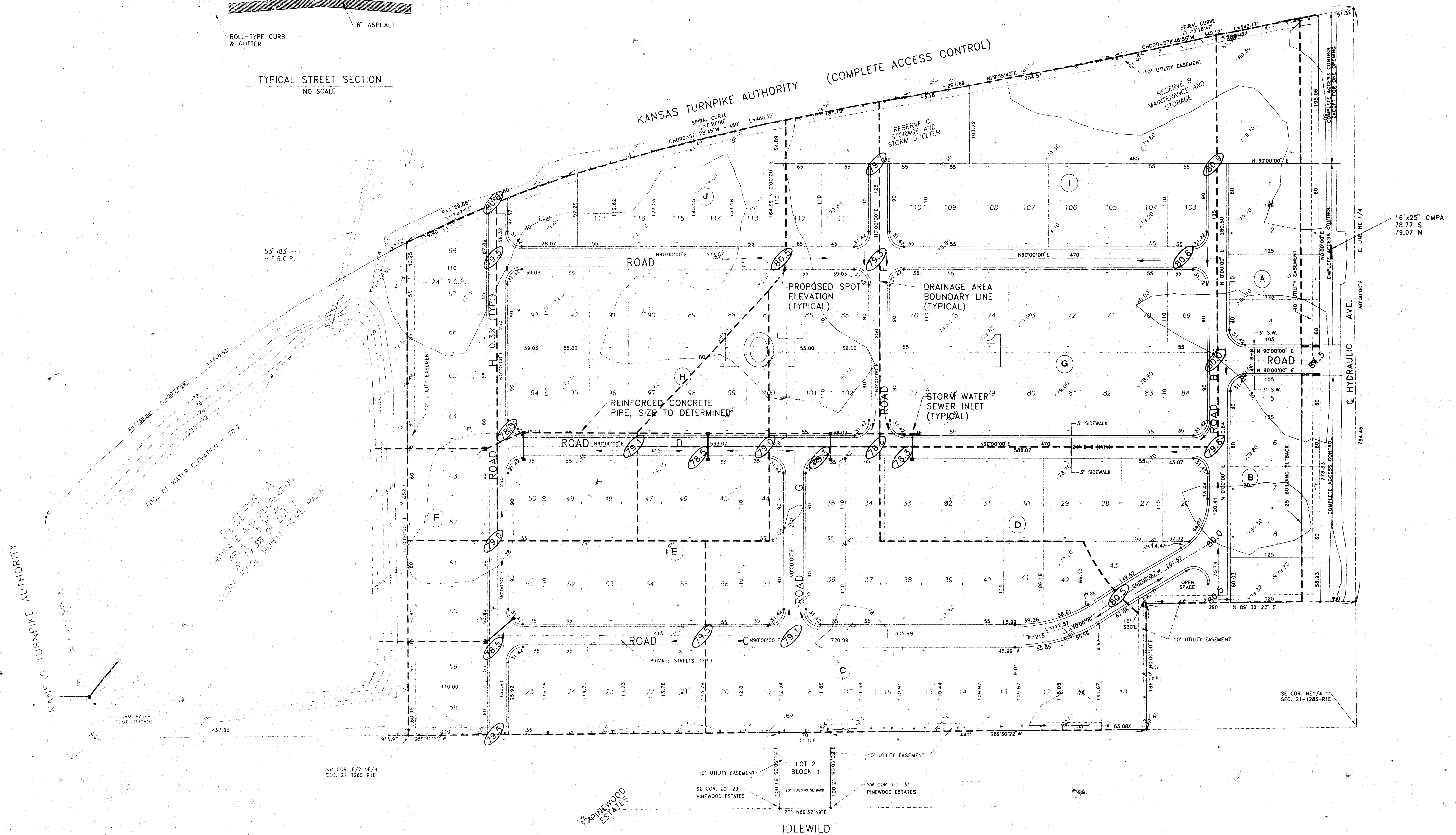
REISS & GOODNESS ENGINEERS
2160 WEST 21st STREET
WICHITA, KANSAS 67203
(316) 837-0213

1997

SCALE: 1" = 60'



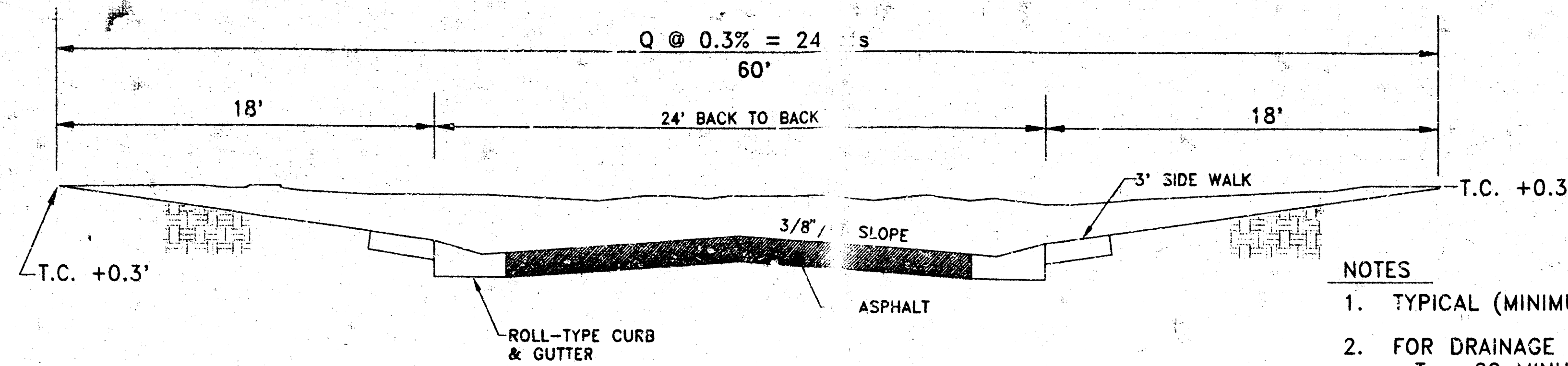
TYPICAL STREET SECTION
NO SCALE



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

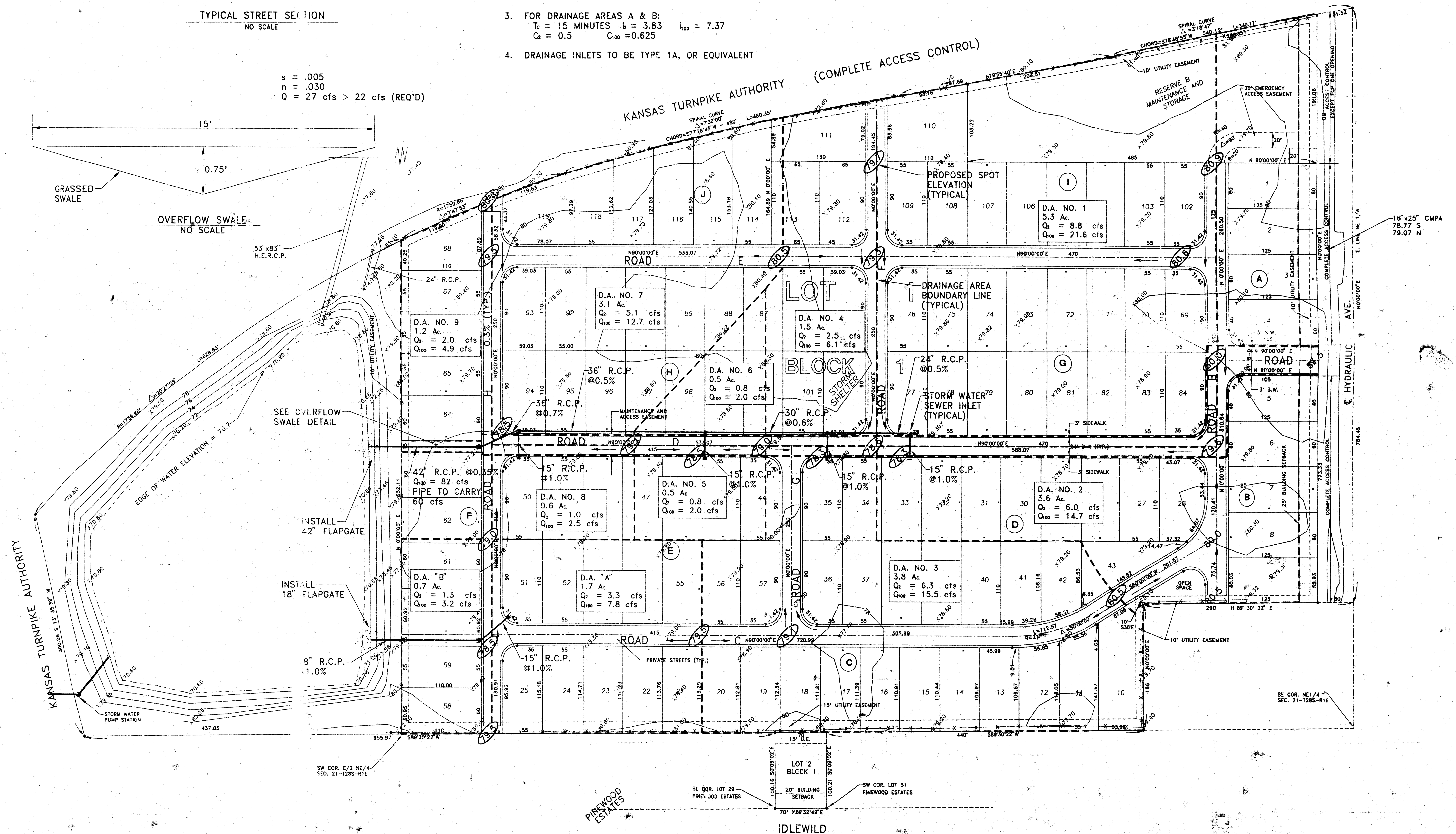


TYPICAL STREET SECTION
NO SCALE

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)



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

REISS & GOODNESS ENGINEERS
2160 WEST 21ST STREET
WICHITA, KANSAS 67203
(316) 835-0215

1997

SCALE: 1" = 60'

NOTES

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

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

TYPICAL STREET SECTION
NO SCALE

GRASSED SWALE
OVERFLOW SWALE
NO SCALE

OVERFLOW SWALE
NO SCALE

53' x 83'
H.E.R.C.P.

SEE OVERFLOW
SWALE DETAIL

INSTALL
42" FLAPGATE

INSTALL
18" FLAPGATE

14" R.C.P.
@ 1.0%

STORM WATER
PUMP STATION

SW COR. E/2 NE/4
SEC. 21-7285-R1E

PINEWOOD
ESTATES

LOT 2
BLOCK 1

20' BUILDING
SETBACK

IDLEWILD

SW COR. LOT 1
PINEWOOD ESTATES

SE COR. NE1/4
SEC. 21-7285-R1E

16' x 25' CMPA
78.77 S
79.07 N

