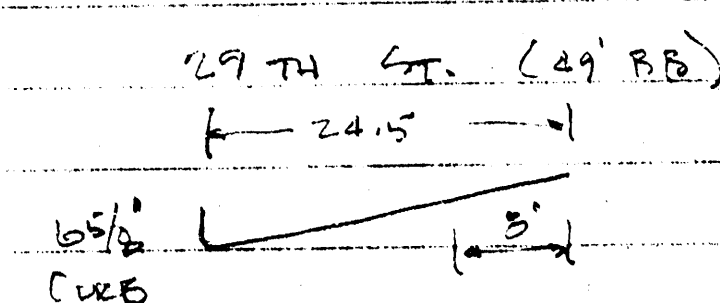


5-27-95

MEADOW DARS - DRAINAGE PLAN



6.2' DEPTH = 10% SLOPE (ONE 9' LAKE DIEN)

STREET SLOPE = 0.1% @ 6.2' DEPTH = 13.0 cfs

RESTRICT OUTFLOW FROM LOT 1 BLOCK 1 TO 6.5d

SOIL GROUP D

MEADOW GOOD CONDITION CN = 75 PRESENT
COMM. BUSINESS CN = 95 FUTURE

6" 100% FILLER 5.9" USE 6.0"

RUNOFF 5.58 PRESENT

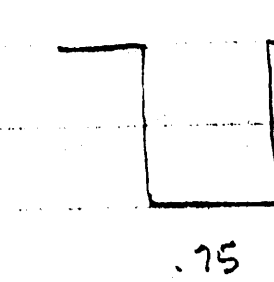
5.91 FUTURE

1.33 DIFFERENCE

$5.5 \times 43500 \times 1.33 \div 12 = 25000$ C.F. STORAGE

100 x 392 3' DEEP

USE WEIR OR PIPE TO CONTROL OUTFLOW



$Q = CLH^{3/2}$ C = 3.0

H = 1 Q = 2.3 cfs

H = 1.5 Q = 4.1 cfs

H = 2 Q = 6.4 cfs

12" RCP UNIT CONTROL 2.2' HD @ 6.0 cfs

ON LOT 1 BLOCK 1

PROVIDE 35000 C.F. OF STORAGE WITH A 12" RCP
DISCHARGE PIPE OR A 9" WIDE BRICK CATCH
WEIR TO CONTROL OUTFLOW. MAXIMUM DEPTH
OF POURING TO BE 24" OR SUBMIT ALTERNATE
STORM WATER DETENTION PLAN TO REDUCE
900 FEET TO 6.0 cfs.

**APPROVED
DRAINAGE PLAN**

LOT GRADING PLAN MEADOW OAKS ADDITION

TO WICHITA, SEDGWICK COUNTY, KANSAS

DATE: 7-19-93

GENERAL NOTES:

1. Pad Site elevations are at ground level. The top of foundation is 18" to 24" above the ground elevation shown.
2. Pad Site elevations are 42" above the top of the street curbs at the center of the lot.
3. The rear of all lots slope at 2 inches in 10 feet minimum.
4. The top of rear foundation walls for view out basements are 2.5 to 3.5 feet below the pad site elevation.

BENCHMARKS:

BM# 1
City of Wichita Bench Mark Disc, 5.5' E. and 37' N.
of N1/4 Corner Sec. 1-27-1E
Elev. 172.38

BM# 2
NW Corner Concrete Outter on Beacon Hill Road Median
at 29th Street North
Elev. 162.99
(City of Wichita Datum)

Minimum Building Elevations		
Lot No.	Block No.	Minimum Low Opening
70-71	2	173.0
72-73	2	172.0
74-75	2	171.0
76-77	2	170.0
78-81	2	169.0
82-83	2	168.0
84-87	2	167.0
88-91	2	166.0
Lot No.	Block No.	Minimum Low Floor
92-95	2	163.6
97-102	2	163.6
111-114	2	163.6
1	4	163.5

(Elevations are to City of Wichita Datum)

