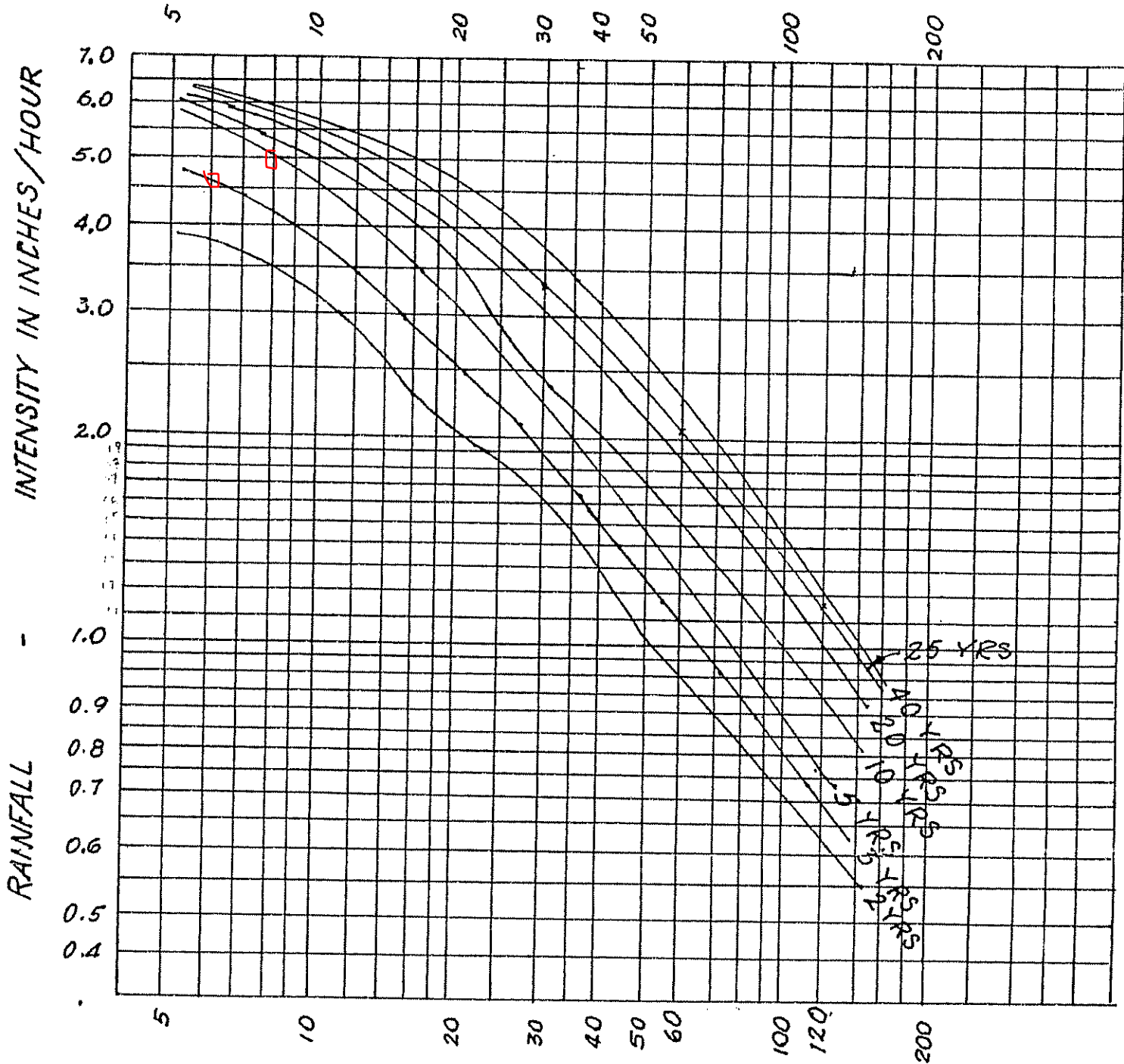




REC W 3/9/83

Sheet 2 of 4

DURATION OF RAINFALL - MINUTES



RAINFALL CURVES FOR STORMS IN THE VICINITY OF GRAND RAPIDS

DO NOT DISTURB AREA  
25' FROM CENTER OF CREEK

PLACE: 20 SYD'S OF RIP-RAP  
(NON-GRADUATED COBBLES) TOED  
IN 50' DOWNSTREAM OF OUTLET  
OVER "TRIVIRA" SPUNBOND S-1100  
(OR APPROVED EQUAL)

PLACE: 1-12" 90° BEND @ OUTLET  
OF STORM SEWER INV. 709.0

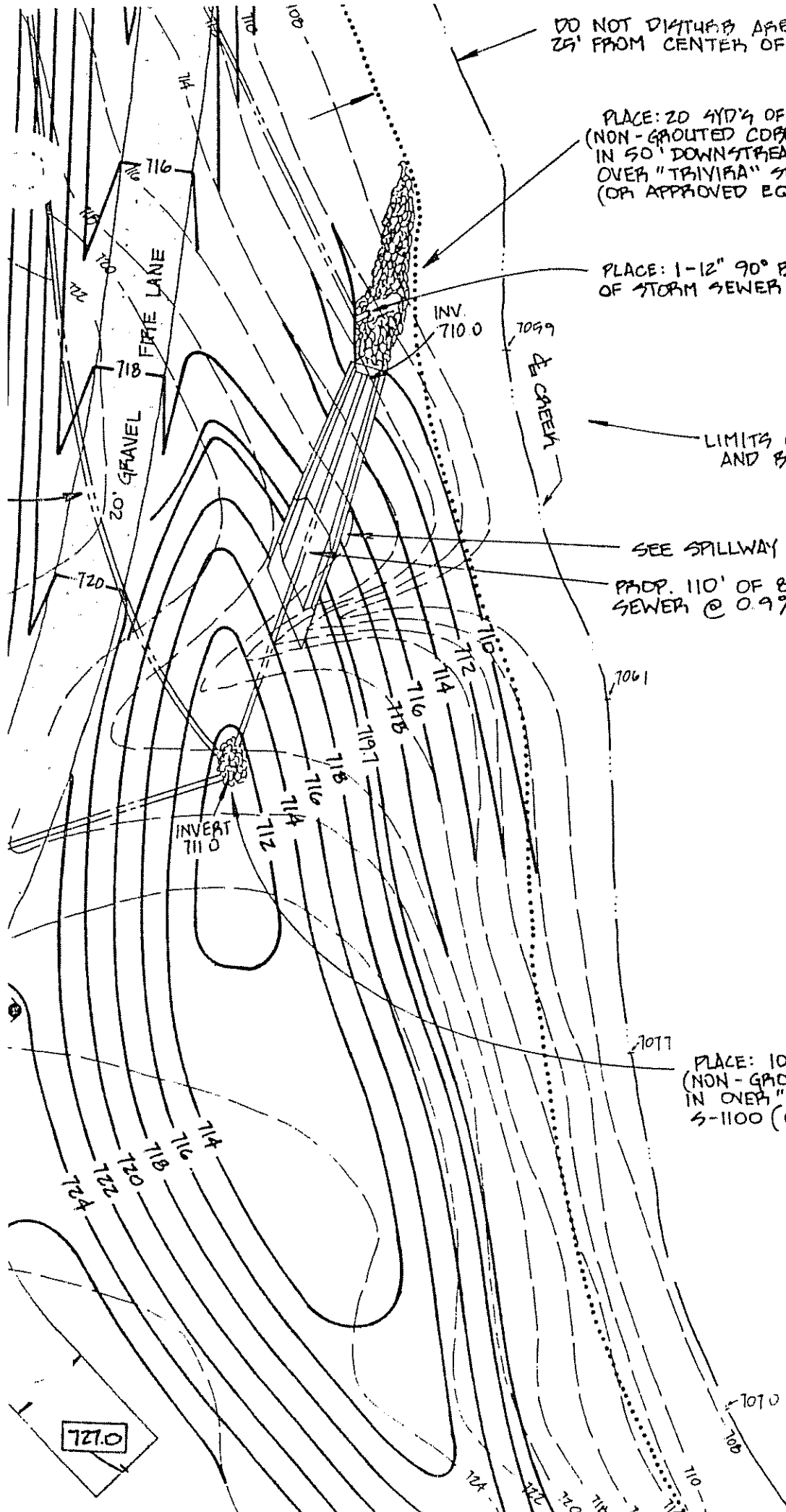
LIMITS OF TREES  
AND BRUSH

SEE SPILLWAY DETAIL

PROP. 110' OF 8" STORM  
SEWER @ 0.9% (C.M.P.)

PLACE: 10 SYD'S OF RIP-RAP  
(NON-GRADUATED COBBLES) TOED  
IN OVER "TRIVIRA" SPUNBOND  
S-1100 (OR APPROVED EQUAL)

EXIST. 10" CABLE



0.121

12" C.F.S.

CHESAPEAKE

PLACE: "TREVIRA" SPUNBOND  
S-1120 FABRIC UNDER SPILLWAY

EXTEND CONCRETE APRON INSIDE  
OF POND TO 2' BELOW SPILLWAY TOP

4" CONCRETE  
SPILLWAY

TOP OF SPILLWAY  
ELEV - 718.2

10' ON A SIDE SLOPES

PLACE 4" PIPE IN  
20' STDS  
RIP-RAP

PLACE 4" OF TOP SOIL AND  
SEED + MULCH WITHIN ALL  
DISTURBED AREAS OF  
PONDING AREA

2 COMPACTED EARTH  
BACKFILL

SERVE

1)

2)

3)

SPILLWAY DETAIL - NO SCALE

POND DATA:

HIGH WATER LEVEL	-718.2
TOP OF SPILLWAY	-718.2
TOP OF DIKE	-719.7
CAPACITY PROVIDED	-1.4 ACRE FT.
CAPACITY REQUIRED	-1.4 ACRE FT.
100 YEAR FLOOD PLAIN	-701.0
SLOPES	-10N 4
RELEASE RATE	-4.6 C.F.S.