



APPROVED
 12-19-99 *Howard R. Bigger*
Paul H. King

TERRA ENGINEERING, INC.
 6001 Glenwood Ave.
 Minneapolis, MN 55422
 (612-593-9325)
 Civil Engineering - Land Planning - Consulting

REVISIONS
 = *Certified Graded*
 10/11/99 Revise per City Engineer review
 10/11/99 Revise drainfields and grades
 11/23/99 Revise storm and street grades (22:00 - 25:13)
 12/9/99 Dev. Plan/Revised drainfields

I hereby certify that this plan or report was prepared by me, or under my direct supervision and that I am a duly Registered Engineer under the laws of the State of Minnesota.
Paul H. King
 Paul H. King
 Date: 12/19/99 Reg. No. 14844

DEVELOPMENT PLAN
 GRADING/DRAINAGE PLAN (EAST)
 EROSION CONTROL PLAN
 PRESERVE ESTATES
 ELK RIVER, MINNESOTA

SHEET TITLE: DEVELOPMENT PLAN
 DATE: 9/30/99
 PROJECT NO.: 98-116
 SHEET NO.: 6

DESIGNED: P.L.K.
 DRAWN: H.A.L.
 CHECKED: P.L.K.

100 YR. ELEV. = 916.0
 PER FIRM 2/19/92

GRADING BALANCE AREA
 (RESTORE WITH 4" TOPSOIL & SEED/MULCH)
 (MAX. 3:1 SLOPES)

BRUSH OUT TRAIL WITH ENGINEER
 AND OWNER IN THE FIELD.

TRAIL CROSSINGS OF WETLANDS TO
 BE BY BRIDGES (PER OWNER)

TRAIL CROSSINGS OF WETLANDS TO
 BE BY BRIDGES (PER OWNER)

OFF-SITE STREET CONSTRUCTION
 BY DEVELOPER

O.L.A. (City)

LAND-LOADED

PRIVATE TRAIL

WETLAND #11

WETLAND #9

WETLAND #1

WETLAND #2

WETLAND #3

WETLAND #4

WETLAND #5

WETLAND #6

WETLAND #7

WETLAND #8

WETLAND #9

WETLAND #10

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