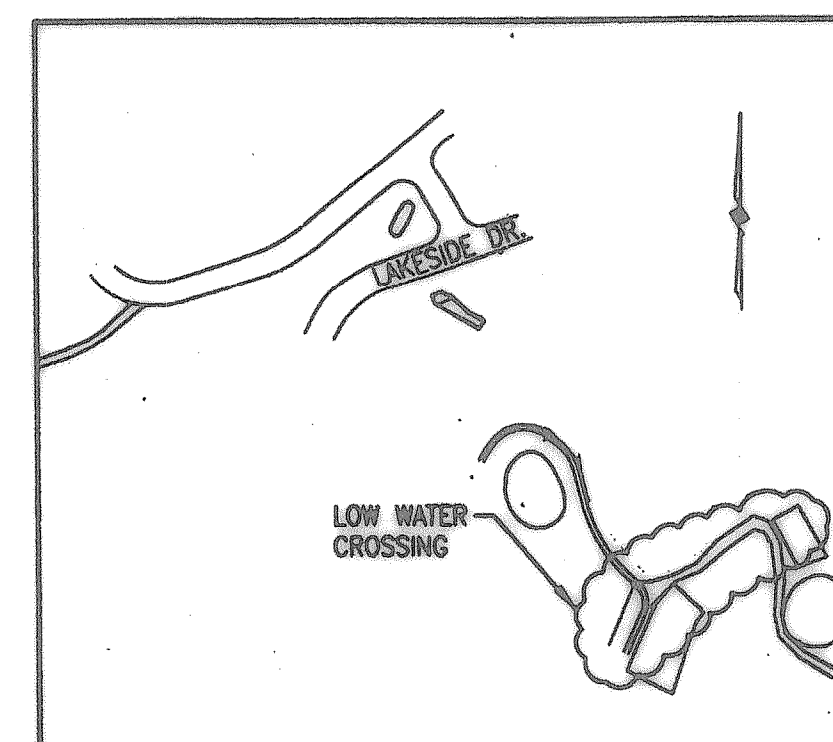
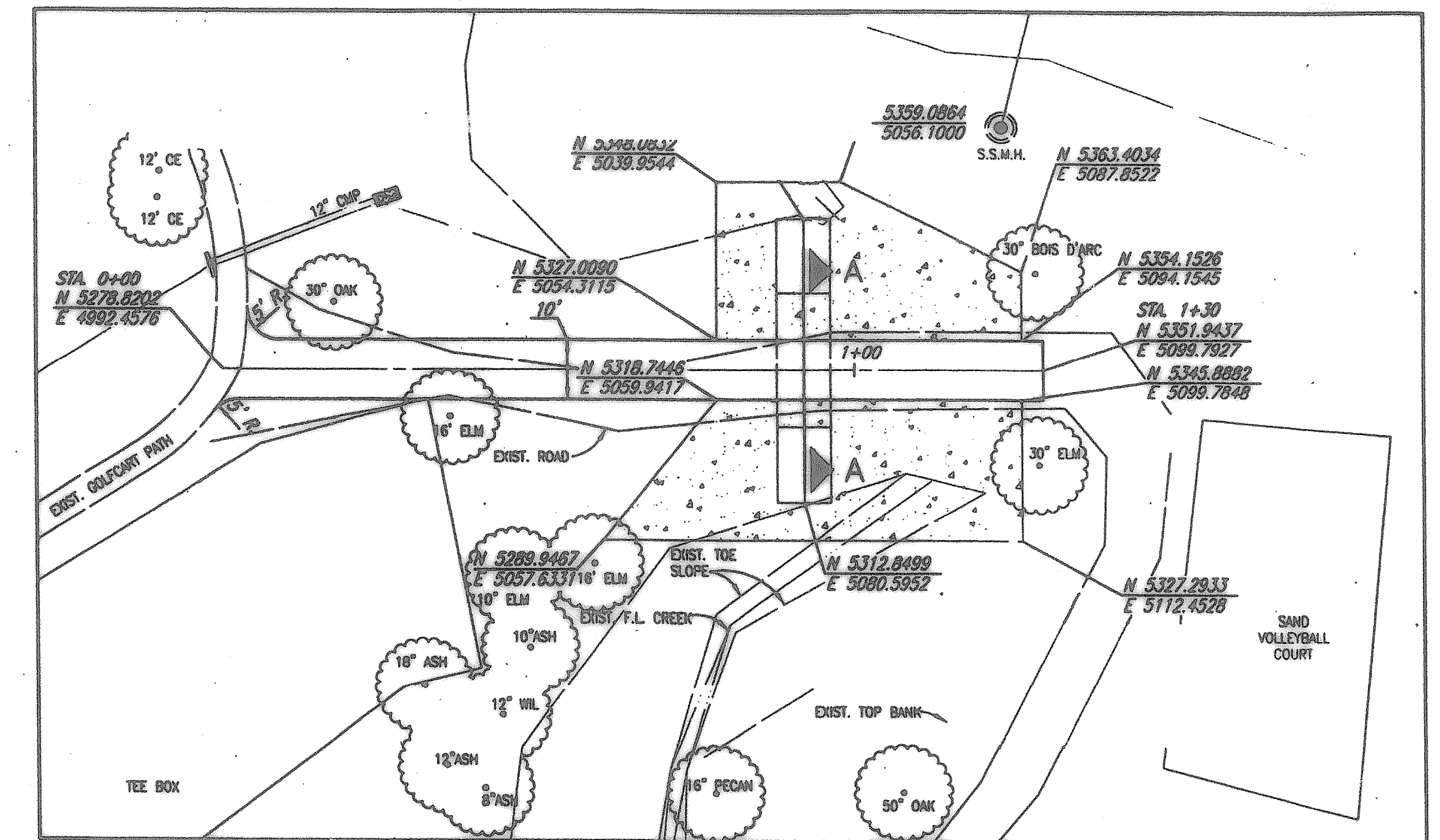


EXISTING LOW WATER CROSSING



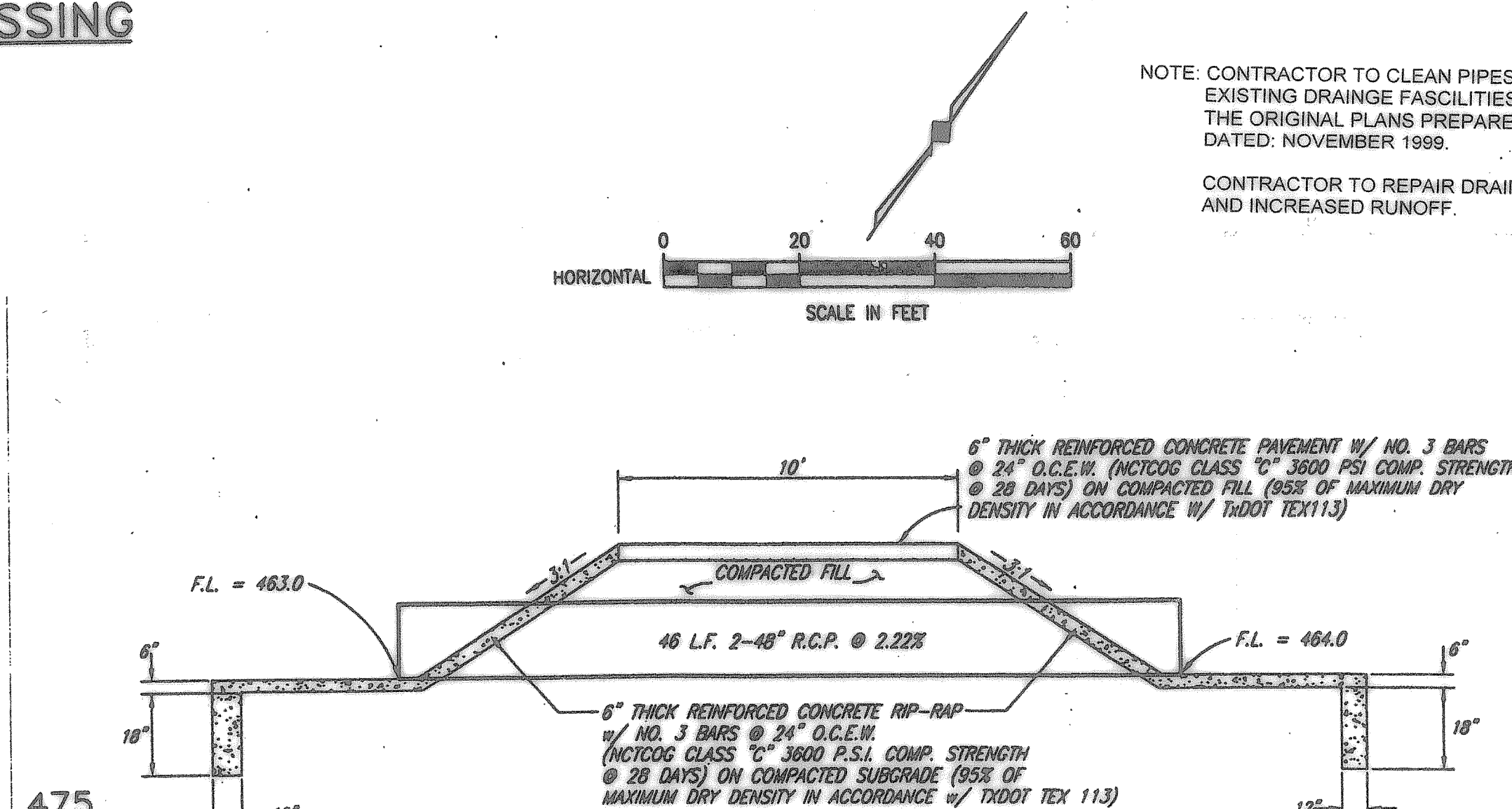
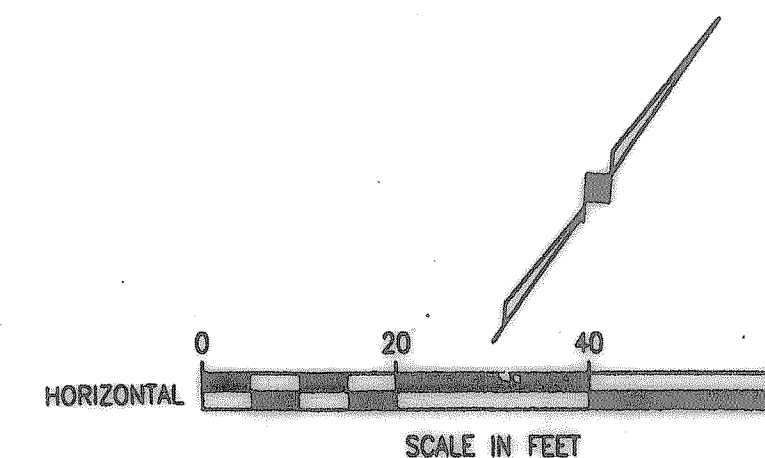
LOCATION MAP
NOT TO SCALE



PROPOSED LOW WATER CROSSING

NOTE: CONTRACTOR TO CLEAN PIPES AS REQUIRED AND RESTORE EXISTING DRAINAGE FACILITIES TO CONDITIONS SPECIFIED THE ORIGINAL PLANS PREPARED BY SHIMEK, JACOBS, & FINKLEA DATED: NOVEMBER 1999.

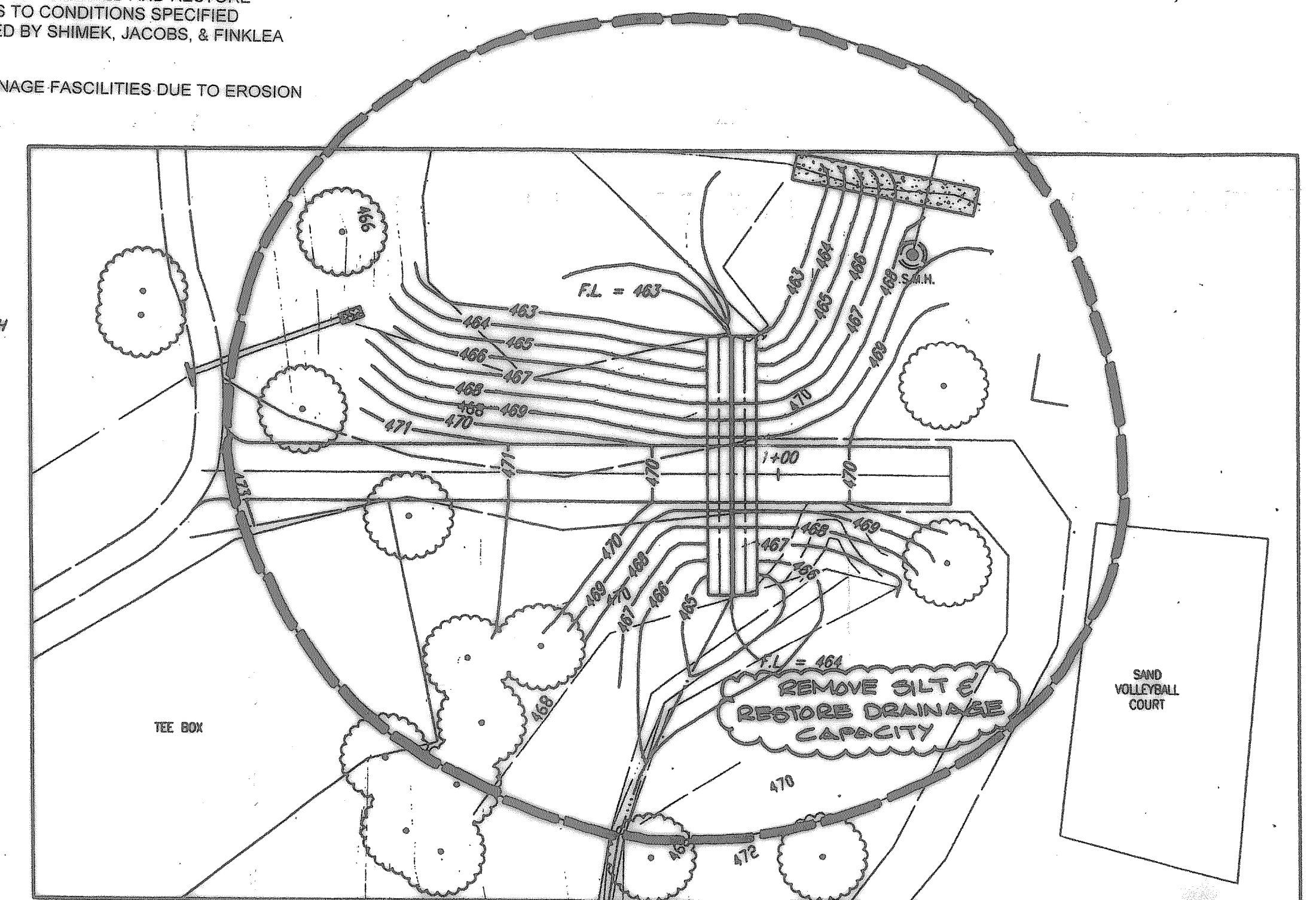
CONTRACTOR TO REPAIR DRAINAGE FACILITIES DUE TO EROSION AND INCREASED RUNOFF.



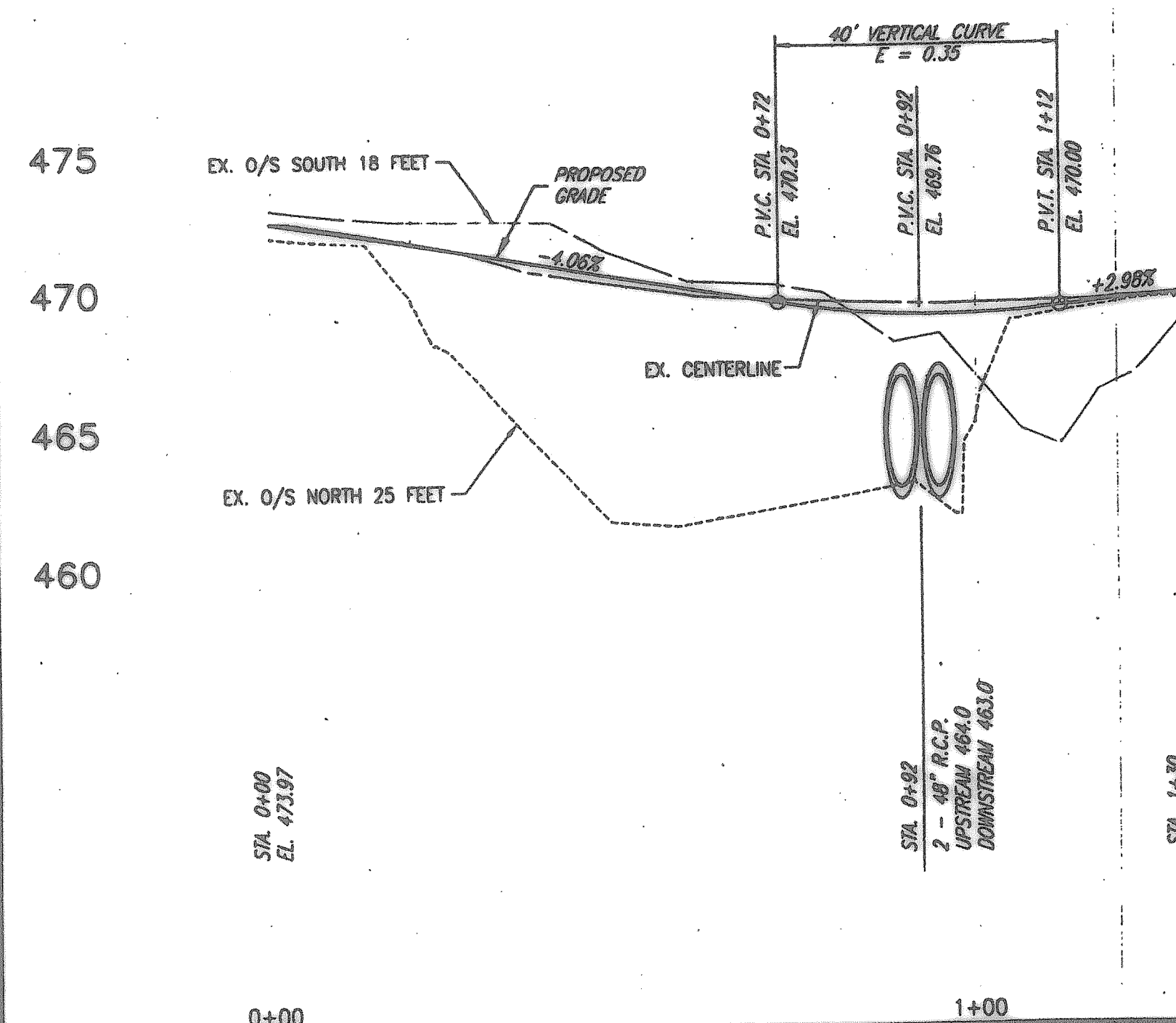
SECTION A-A
NOT TO SCALE

1. CONTRACTOR SHALL REMOVE EXISTING LOW WATER CROSSING AND CMP CULVERTS. CONCRETE BARRIERS SHALL BE DELIVERED TO GOLF COURSE MAINTENANCE CENTER. (PAYMENT SUBSIDIARY TO LOW WATER CROSSING REMOVAL.)
2. CONTRACTOR SHALL REMOVE EARTHEN DAM LOCATED APPROX. 115 FEET NORTH OF THE EXISTING LOW WATER CROSSING.
3. PROPOSED LOW WATER CROSSING SHALL BE CONSTRUCTED OF NATIVE SOIL FROM EARTHEN BERM OR REMOVED LOW WATER CROSSING. ROCK AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED BEFORE PLACEMENT. FILL SHALL BE PLACED IN 6" LIFTS AND COMPACTED TO 95% OF MAXIMUM DRY DENSITY IN ACCORDANCE WITH TxDOT TEX 113. FILL SHALL HAVE A MAXIMUM SIDE SLOPE OF 3:1.
4. CONTRACTOR SHALL INSTALL SOLID BLOCK SODDING ON AREAS OF LOW WATER CROSSING NOT COVERED BY CONCRETE.
5. CONTRACTOR SHALL PROVIDE FOR POSITIVE DRAINAGE OF CREEK AT ALL TIMES.
6. CONTRACTOR SHALL COORDINATE CLOSING OF LOW WATER CROSSING WITH THE GOLF COURSE STAFF.

BENCHMARK: CENTER OF MANHOLE LOCATED ON THE SOUTH SIDE OF LAKESIDE DRIVE, APPROX. 60' WEST OF HEADWALL
T.B.M. ELEV. 456.91



PROPOSED GRADING PLAN



RECORD DRAWINGS
AS PROVIDED BY:
I.C.S. COMMERCIAL
Michael S. Allen, P.E.
DATE: 9/25/03

CITY OF ROCKWALL, TEXAS

LAKESIDE VILLAGE
LOW WATER CROSSING
PAVING & GRADING PLAN

SHIMEK, JACOBS & FINKLEA, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

DESIGNED BY: P.A.C. PROJECT: 1999111 SHEET NO.
DRAWN BY: S.J. & F. DATE: NOVEMBER, 1999 M-2