

WY

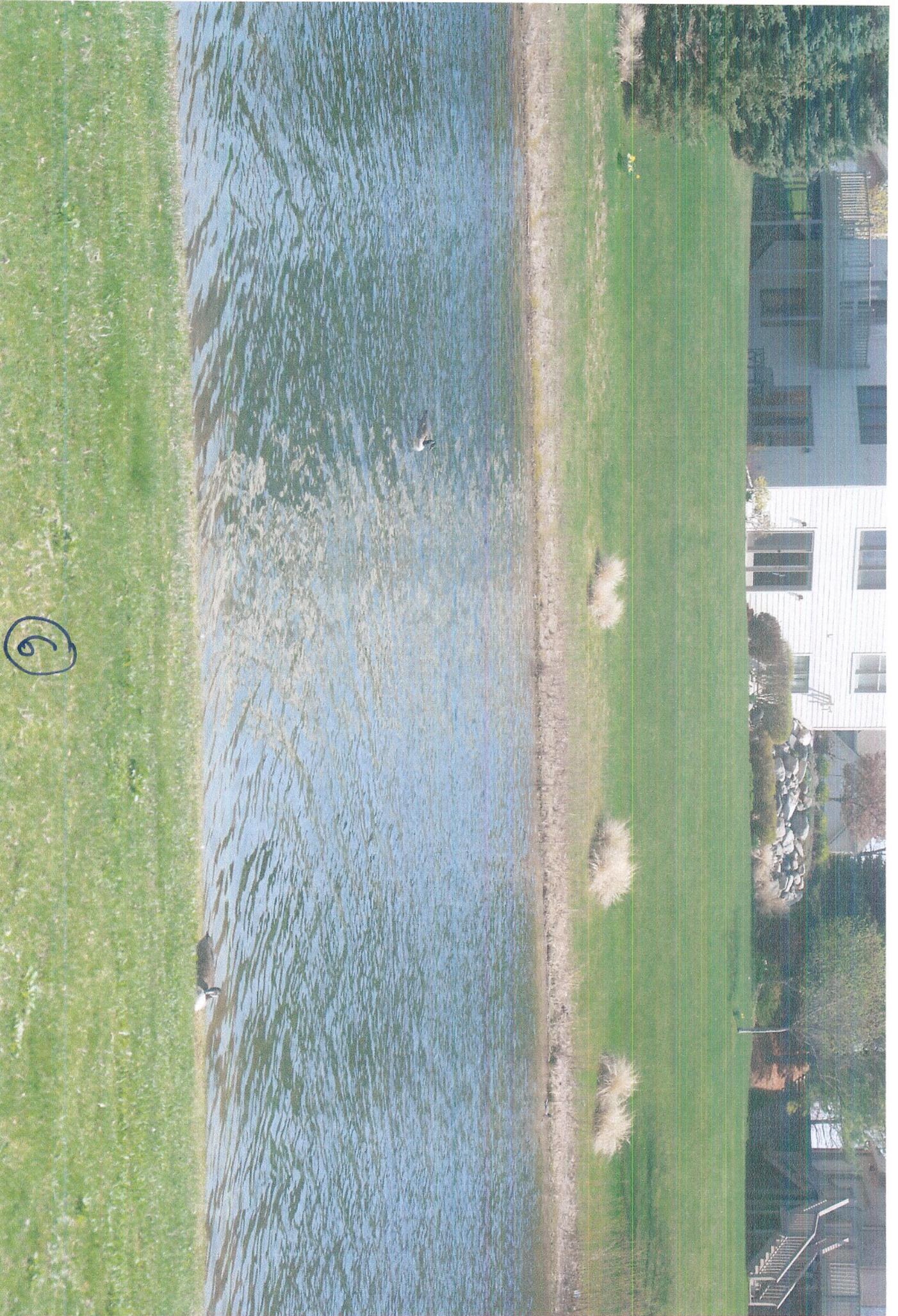




4



5



6



②

EXHIBIT 4

STOP

WARNING
GOOSE
CROSSING

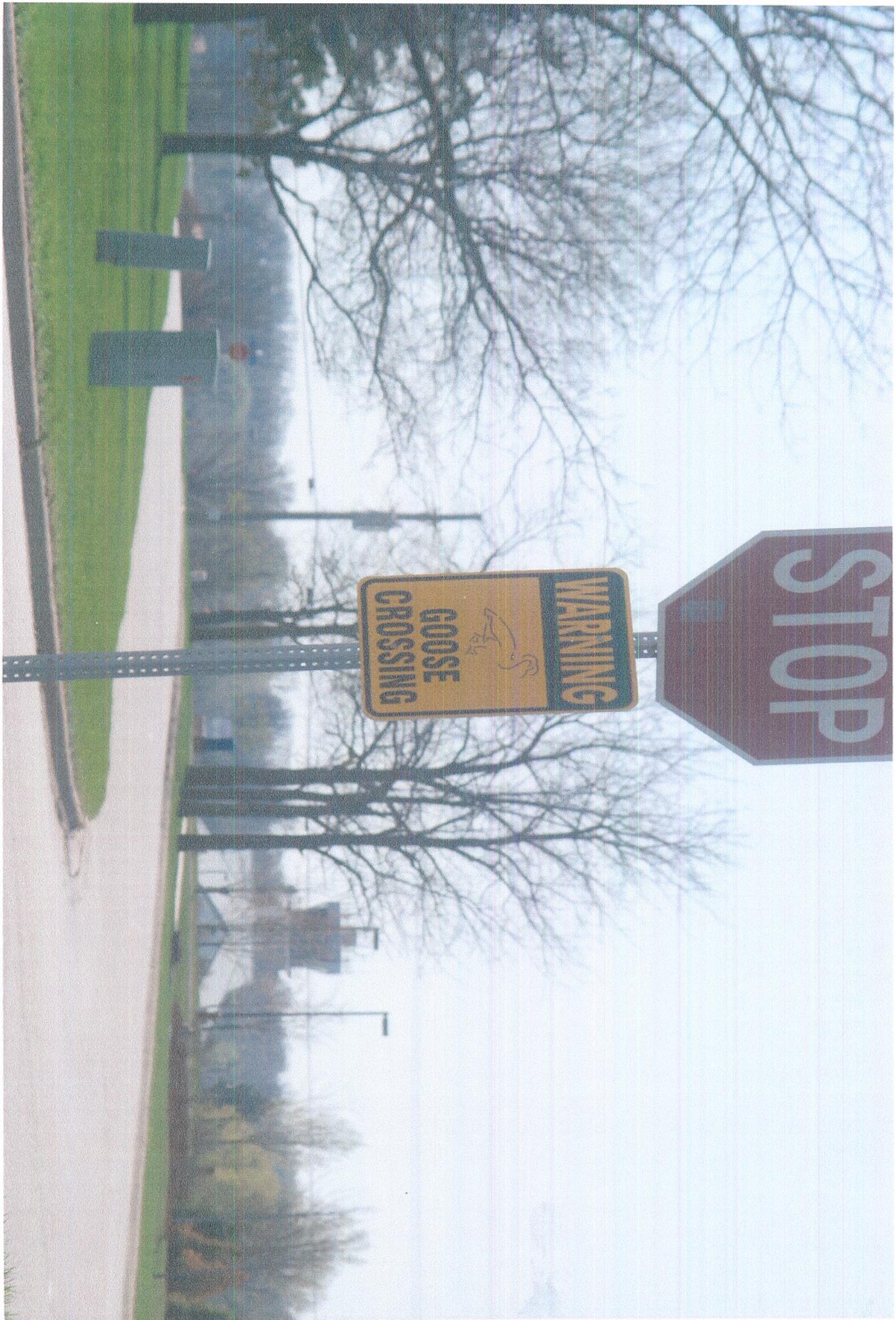
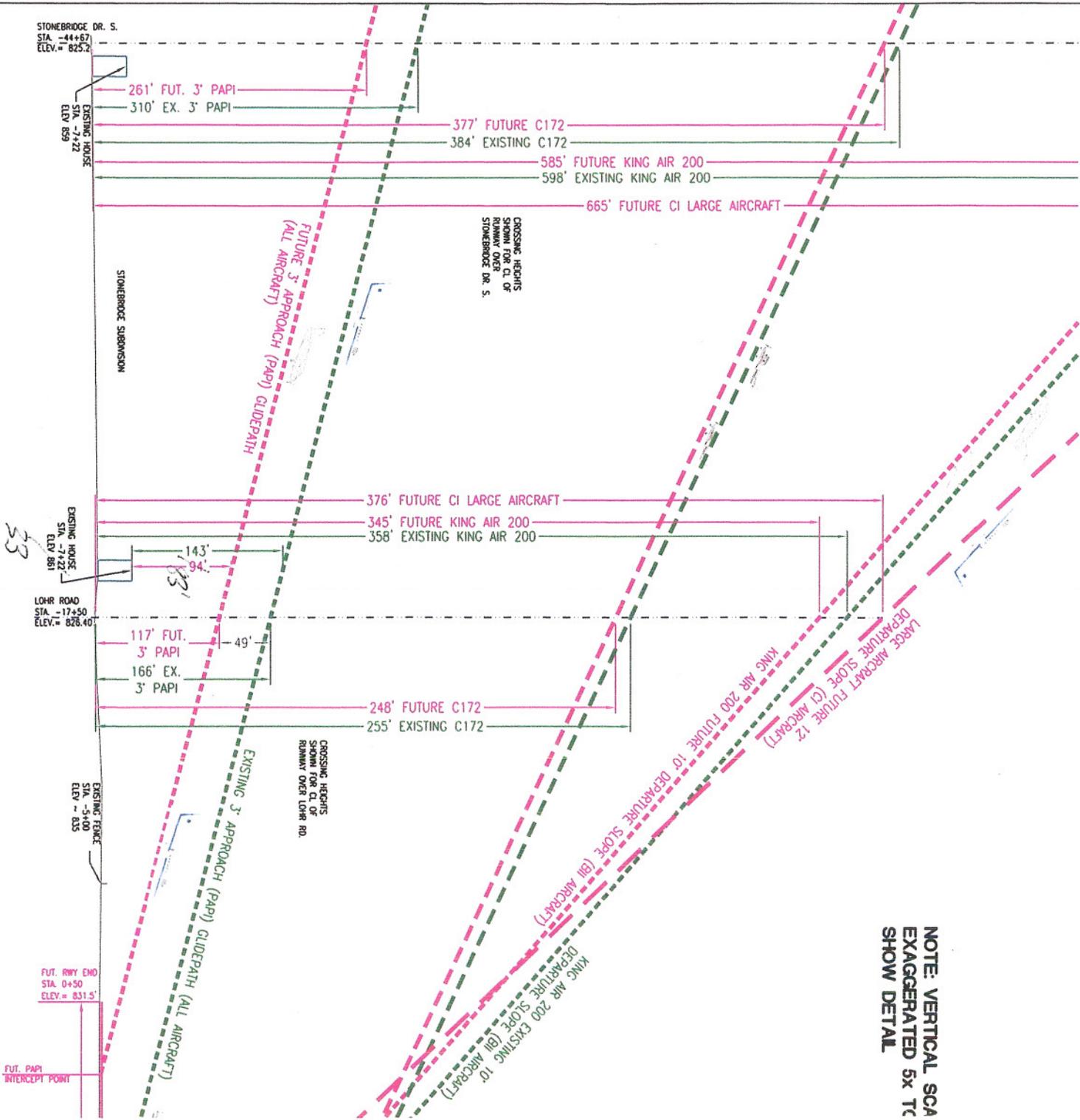


EXHIBIT 5

APPROACH AND DEPARTURE



NOTE: VERTICAL SCA EXAGGERATED 5X TC SHOW DETAIL

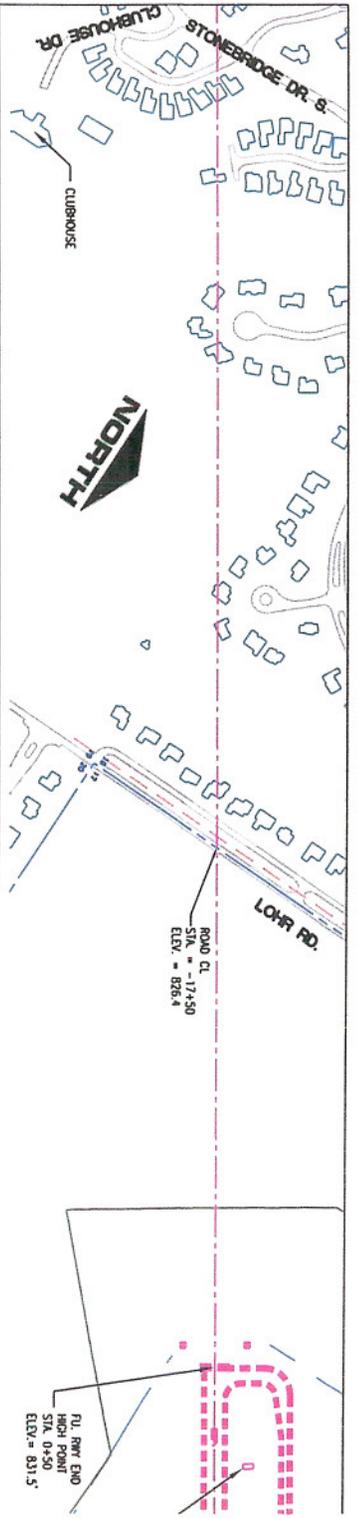
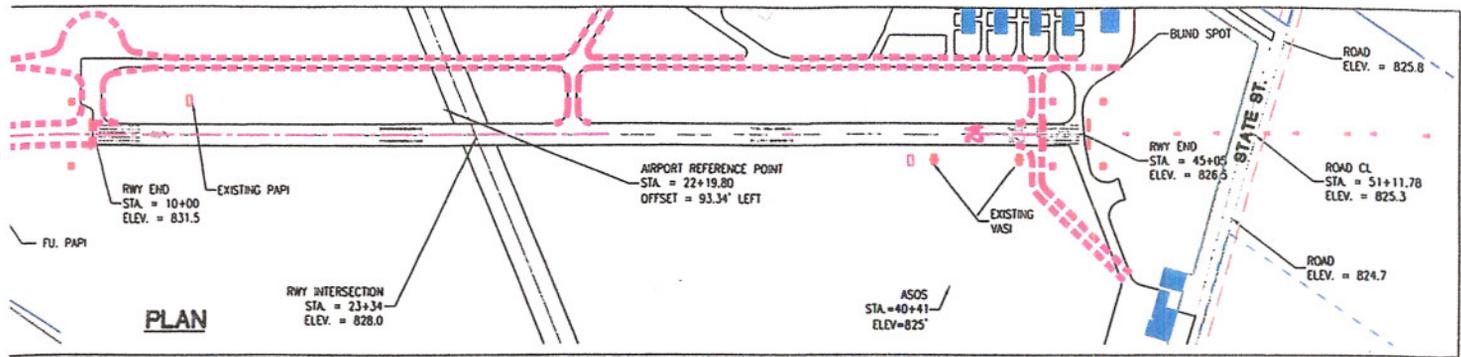


EXHIBIT 6



APPROACHES

APPROACH SLOPE FOR ALL AIRCRAFT WOULD BE AT 3° ALONG THE PRECISION APPROACH PATH INDICATOR (PAPI).
APPROACH CLEARANCE (LOHR RD.)
 166' EXISTING
 117' PROPOSED EXTENSION

TYPICAL CLIMB PERFORMANCE BY AIRCRAFT TYPE

AIRCRAFT TYPE	TYPICAL CLIMB ANGLE	TYPICAL CLIMB RATES
SINGLE ENGINE PISTON	4°-7°	500-1,000 FT/MIN
TWIN ENGINE PISTON	7°-9°	1,000-1,500 FT/MIN
TWIN ENGINE TURBOPROP	10°-11°	2,000-2,500 FT/MIN
JET	12°-16°	3,000-4,000 FT/MIN

DEPARTURES

DEPARTURE SLOPES ARE SHOWN FOR 3 AIRCRAFT TYPES FOR THE 839' AIRPORT ELEVATION AT 83°F. CROSSING HEIGHTS SHOWN FOR CL OF RUNWAY OVER LOHR RD.

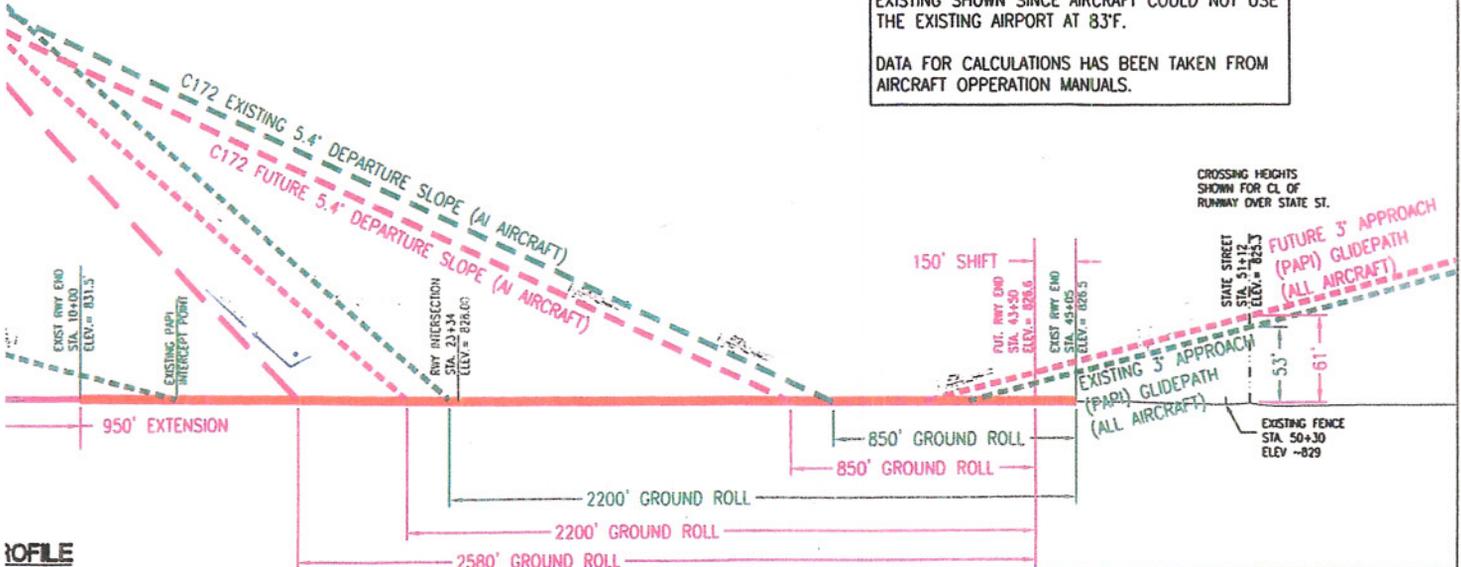
CESSNA 172 - A1 SMALL AIRCRAFT
 MAX. GROSS LOAD: 2,300 LBS
 CLIMB RATE: 700 FT. PER MINUTE
 CLIMB AIRSPEED: 73 KNOTS
 CLIMB ANGLE: 5.4°
 GROUND ROLL: 850 FT.
DEPARTURE CLEARANCE (LOHR RD.)
 255' EXISTING
 248' PROPOSED EXTENSION

KING AIR 200 - B11 SMALL AIRCRAFT
 MAX. GROSS LOAD: 12,500 LBS
 CLIMB RATE: 2,400 FT. PER MINUTE
 CLIMB AIRSPEED: 125 KNOTS
 CLIMB ANGLE: 10°
 GROUND ROLL: 2200 FT.
DEPARTURE CLEARANCE (LOHR RD.)
 358' EXISTING
 345' PROPOSED EXTENSION

HAWKER 700A - C1 LARGE AIRCRAFT
 MAX. GROSS LOAD: 24,800 LBS*
 CLIMB RATE: 3,000 FT. PER MINUTE
 CLIMB AIRSPEED: 135 KNOTS
 CLIMB ANGLE: 12°
 GROUND ROLL: 2850 FT.
DEPARTURE CLEARANCE (LOHR RD.)
 376' PROPOSED EXTENSION

* FOR FUTURE RUNWAY LENGTH AIRCRAFT COULD ONLY USE AIRPORT AT 60% LOAD AT 83°F. NO EXISTING SHOWN SINCE AIRCRAFT COULD NOT USE THE EXISTING AIRPORT AT 83°F.

DATA FOR CALCULATIONS HAS BEEN TAKEN FROM AIRCRAFT OPERATION MANUALS.



CLEARANCES

Base Map by:

URS GRAND RAPIDS, MI., 3024 SPANGLER DR., S.E. PROJECT NO. 125-0723
 815 574-3800

ANN ARBOR MUNICIPAL AIRPORT

EXHIBIT 7

Exhibit 7

Aircraft Emergency Landing: Stonebridge Golf Course – June 2009

