

Legend
 [Hatched Box] INUNDATION AREA BASED ON FAILURE OF THE DAM DURING THE PROBABLE MAXIMUM FLOOD (PMF)

SOURCE: USGS TOPOGRAPHIC MAP STATE COLLEGE, PA QUADRANGLE

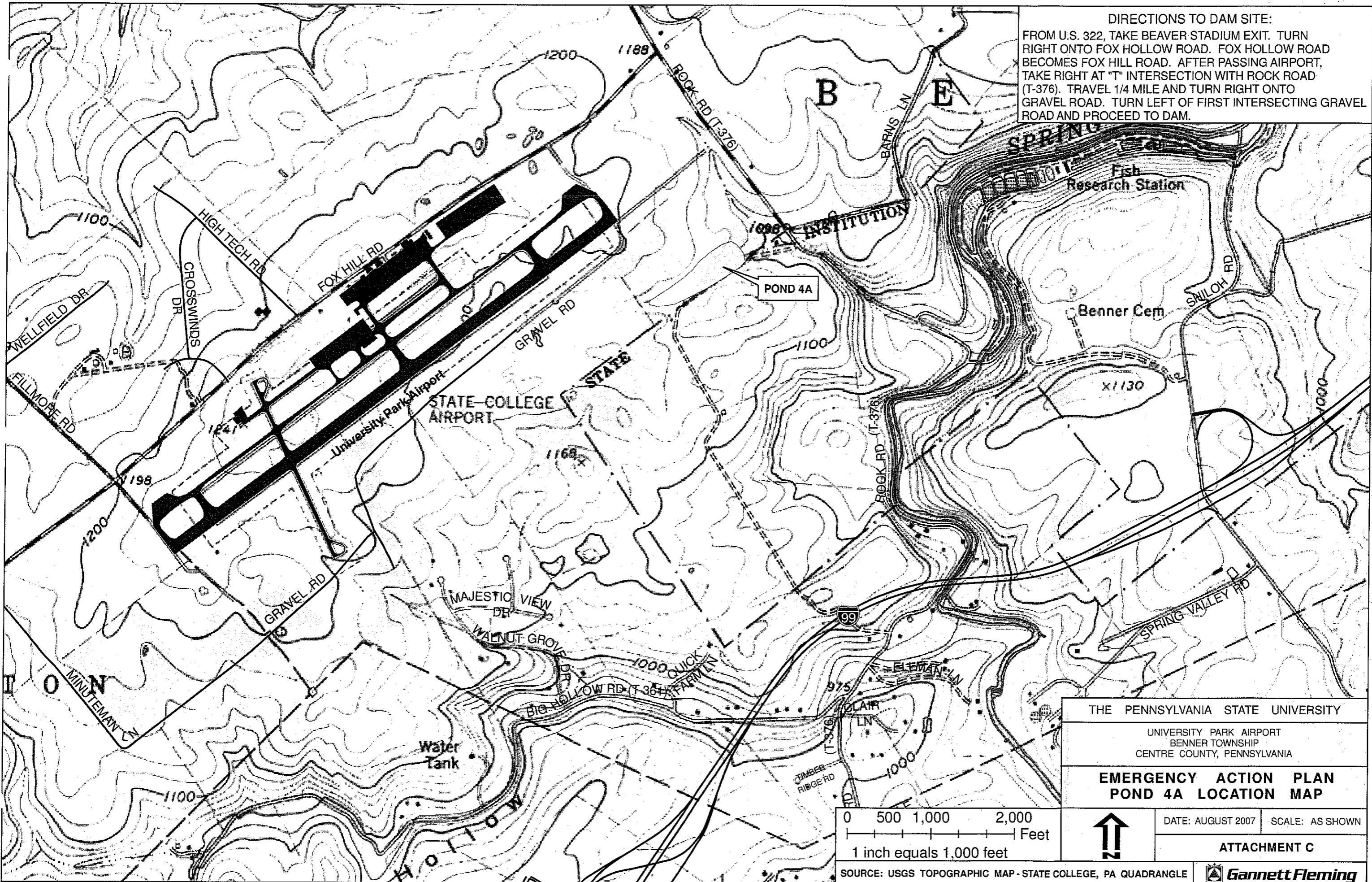
ATTACHMENT A
 THE PENNSYLVANIA STATE UNIVERSITY
 UNIVERSITY PARK AIRPORT
 BENNER, COLLEGE AND PATTON TOWNSHIPS
 CENTRE COUNTY, PENNSYLVANIA

DETENTION POND 4A
 INUNDATION MAP

Gannett Fleming

SCALE: 1" = 1000' DATE: AUGUST 2007

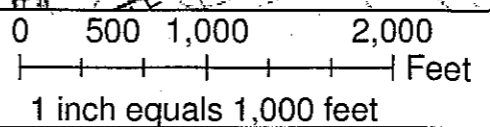
THE FLOODING LIMITS SHOWN WERE DETERMINED USING HEC-1 COMPUTER MODELS AND CORRESPOND TO THE LIMIT OF INUNDATION OF A HYPOTHETICAL FLOOD WAVE AS IT TRAVELS DOWNSTREAM. FLOOD LIMITS SHOWN COVER AREAS WITH MAY EXPERIENCE INCREASED LEVELS OF FLOODING DUE TO A DAM FAILURE AS COMPUTED FOR A RANGE OF STORM EVENTS BOUNDED BY THE PROBABLE MAXIMUM FLOOD AND THE "SUNNY DAY" OR NON-STORM INDUCED DAM FAILURE. OVERBANK PORTIONS OF CERTAIN STREAM CROSS SECTIONS WERE COMPILED FROM U.S. GEOLOGICAL SURVEY TOPOGRAPHIC MAPPING, WHICH HAS A VERTICAL ACCURACY OF PLUS OR MINUS ONE-HALF OF A CONTOUR INTERVAL. THE FAILURE OF A DAM IS A COMPLEX HYDRAULIC OCCURRENCE WHICH CAN RESULT IN UNEXPECTEDLY HIGH DEPTHS OF FLOW, DEBRIS ACCUMULATIONS AT STREAM CONSTRICTIONS, OR ENCHROACHMENTS AND BRIDGE OPENINGS CAN RAISE THE WATER SURFACE RESULTING FROM THE FAILURE OF A DAM. THESE EFFECTS WERE NOT CONSIDERED WHEN COMPUTING THE FLOODED AREA SHOWN ON THIS MAP. THE USER OF THIS MAP IS ADVISED THAT THE LIMITS OF FLOODING SHOWN ARE APPROXIMATE AND SHOULD BE CONSIDERED AS MINIMUM REQUIREMENTS FOR THE ESTABLISHMENT OF EVACUATION ZONES.



DIRECTIONS TO DAM SITE:
 FROM U.S. 322, TAKE BEAVER STADIUM EXIT. TURN RIGHT ONTO FOX HOLLOW ROAD. FOX HOLLOW ROAD BECOMES FOX HILL ROAD. AFTER PASSING AIRPORT, TAKE RIGHT AT "T" INTERSECTION WITH ROCK ROAD (T-376). TRAVEL 1/4 MILE AND TURN RIGHT ONTO GRAVEL ROAD. TURN LEFT OF FIRST INTERSECTING GRAVEL ROAD AND PROCEED TO DAM.

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**EMERGENCY ACTION PLAN
 POND 4A LOCATION MAP**



DATE: AUGUST 2007 SCALE: AS SHOWN

ATTACHMENT C