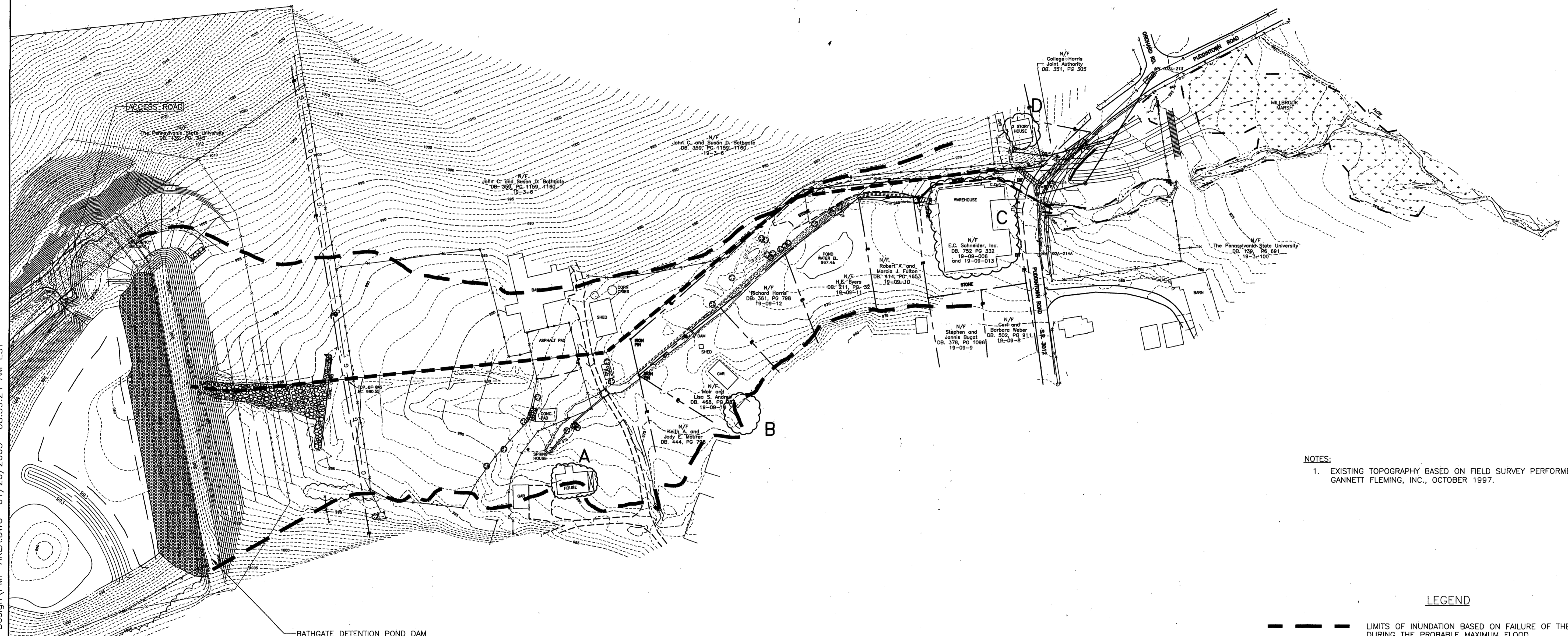


GENERAL NOTES:

1. THE FLOODING LIMITS SHOWN WERE DETERMINED USING THE U.S. ARMY CORPS OF ENGINEERS HEC-1 COMPUTER MODEL AND CORRESPOND TO THE LIMIT OF INUNDATION OF A DAM BREACH INDUCED FLOOD WAVE AS IT TRAVELS DOWNSTREAM. FLOOD LIMITS WERE COMPUTED FOR A SERIES OF HYDRO-METEOROLOGIC CONDITIONS RANGING FROM A PROBABLE MAXIMUM FLOOD DAM FAILURE THROUGH A "SUNNY-DAY", NON STORM INDUCED, DAM FAILURE. FLOOD MAPPING SHOWN DEPICTS ESTIMATED LIMITS OF INUNDATION IN AREAS WHERE FLOOD ELEVATIONS WOULD BE INCREASED BY THE DAM FAILURE. THE FAILURE OF A DAM IS A COMPLEX HYDRAULIC OCCURRENCE WHICH CAN RESULT IN UNEXPECTEDLY HIGH DEPTHS OF FLOW. DEBRIS ACCUMULATIONS AT STREAM CONSTRUCTIONS, OR ENCROACHMENTS 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.

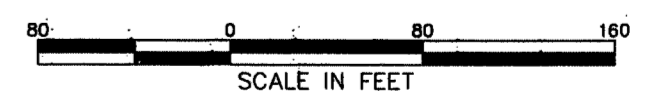


BATHGATE DETENTION POND DAM

NOTES:
1. EXISTING TOPOGRAPHY BASED ON FIELD SURVEY PERFORMED BY GANNETT FLEMING, INC., OCTOBER 1997.

LEGEND

- LIMITS OF INUNDATION BASED ON FAILURE OF THE DAM DURING THE PROBABLE MAXIMUM FLOOD
- RESIDENTIAL STRUCTURES AND BUSINESSES IMPACTED BY DAM BREACH DURING THE PROBABLE MAXIMUM FLOOD



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NO.	DESCRIPTION	DATE	BY
REVISIONS			

DESIGNED B.P.K./E.C.N.	CADD AutoCAD v14	SCALE 1"=80'
DRAWN K.b.K.	CHECKED A.T.B.	APPROVED W.J.S.

GANNETT FLEMING, INC.
HARRISBURG PENNSYLVANIA

THE PENNSYLVANIA STATE UNIVERSITY
TOWNSHIP OF COLLEGE
CENTRE COUNTY, PENNSYLVANIA
BATHGATE DETENTION POND
PADEP ID No. D14-122

PMF INUNDATION AREA MAP

JOB NO. 31862.002	PLATE No. 2
DATE JAN. 2003	DRAWING NO. XXXXXXX