

**Allen Township**  
**Northampton County**

**Act 537**  
**Official Sewer Plan**

August 9, 1999

**ADDENDUM C**

ADOPTED APRIL 12, 2001

Prepared By

Hanover Engineering Assoc., Inc.  
252 Brodhead Road, Suite 100  
Bethlehem, PA 18017

## TABLE OF CONTENTS

|       |  |                  |
|-------|--|------------------|
| I.    | TABLE OF CONTENTS                              | I-1              |
| II.   | TASK ACTIVITY REPORT                           | II-1 - II-3      |
| III.  | DEP APPROVAL OF TASK ACTIVITY REPORT           | III-1 - III-2    |
| IV.   | TOWNSHIP ADOPTION RESOLUTION                   | IV-1 - IV-2      |
| V.    | ACT 537 PLAN CONTENT CHECKLIST                 | V-1 - V-14       |
| VI.   | ACT 537 PLAN - ADDENDUM C                      | VI-1 - VI-32     |
| VII.  | TOWNSHIP PLANNING COMMISSION MINUTES           | VII-1 - VII-6    |
|       | TOWNSHIP PLANNING COMMISSION<br>RECOMMENDATION | VII-7 - VII-8    |
|       | BOARD OF SUPERVISORS MINUTES                   | VII-9 - VII-26   |
|       | LVPC COMMENT LETTER                            | VII-27 - VII-28  |
|       | PROOF OF PUBLICATION                           | VII-29           |
| VIII. | INTERMUNICIPAL AGREEMENT                       | VIII-1 - VIII-25 |
| IX.   | DRY RUN PNDI SEARCH RESULTS                    | IX-1 - IX - 8    |
|       | DRY RUN PHMC SEARCH RESULTS                    | IX-9 - IX-10     |
|       | HOKENDAUQUA PNDI SEARCH RESULTS                | IX-11 - IX-22    |
|       | HOKENDAUQUA PHMC SEARCH RESULTS                | IX-23 - IX-24    |

SECTION II - TASK ACTIVITY REPORT

FILE  
Bm ✓  
ETA

**HANOVER ENGINEERING ASSOCIATES, INC.**

252 Brodhead Road, Suite 100  
Bethlehem, Pennsylvania 18017-8937  
610-691-5644  
FAX 610-691-6968

April 2, 2001

Mr. David Walbert  
Department of Environmental  
Protection  
4530 Bath Pike  
Bethlehem, PA 18017-9010

RE: Allen Township  
Northampton County  
Revised Task Activity Report  
HEA Project A01-06

Dear Dave:

Per your request, enclosed please find a revised Task Activity Report and Scope for the Amendment to the Allen Township Act 537 Plan removing any legal time. Please review this so that we may properly file for the 50% reimbursement upon the Department of Environmental Protection approval of the Amendment.

If you have any questions, please contact the undersigned.

Respectfully,

HANOVER ENGINEERING ASSOCIATES, INC.

  
Brian R. Kocher, P.E.  
Township Engineer

BRK:cg

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Enclosure

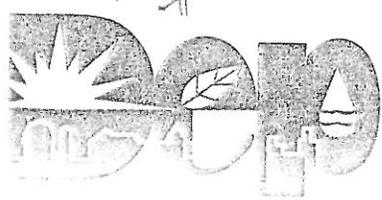
cc: Ms. Ilene Eckhart, Township Manager (with enclosure)

TASK OUTLINE FOR  
ADDENDUM C  
ALLEN TOWNSHIP ACT 537

- I. Meetings with Northampton Borough regarding capacity, costs and agreements.
- II. Layout of collection systems to reach Northampton.
- III. Define service area and flows.
- IV. Consistency analysis of new option.
- V. Financial analysis of new option.
- VI. Prepare new summary and resolution.



SECTION III - DEP APPROVAL LETTER OF TAR



Pennsylvania Department of Environmental Protection

4530 Bath Pike  
Bethlehem, Pennsylvania 18017-9074  
April 6, 2001

Bethlehem District Office

610-861-2070  
FAX 610-861-2072

Allen Township  
Municipal Building  
4714 Indian Trail Road  
Northampton, Pennsylvania 18067

Attention: Ilene Echart  
Township Manager



Re: Act 537 Plan  
Task Activity Report (TAR)  
Allen Township  
Northampton County

Gentlemen:

The Department has reviewed the Revised Task Activity Report (TAR) your township submitted April 3, 2001. The TAR appears to meet the minimum planning requirements of the Department's regulations and grants it's concurrence with the additional work required to develop your official Plan Update.

This letter will serve to inform your municipality that the Department authorizes Allen Township to proceed with the development of the Official Plan Update. Completion of the Official Plan Update must be consistent with the information supplied in the TAR, the Act 537 Plan Content and Environmental Assessment Checklist and applicable sections of Chapter 71 of the Department's Regulations, 25 Pa. Code Chapter 71. Three copies of the Official Plan Update, along with any other required supporting documentation are to be submitted to the Department by the township's consultant upon completion of the Plan Update.

If the activities and/or costs listed in the TAR are to be altered, at a future date, the township must contact the Department, in writing, to obtain concurrence. Otherwise, approval of the Official Plan Update and reimbursement may be jeopardized.

The Department encourages Allen Township and it's consultant to work closely with the Department in the development of the Official Plan Update.

111-1



Allen Township

-2-

April 6, 2001

Please contact me at 610-861-2070 if you have any questions.

Sincerely,

David C. Walbert  
Sewage Planning Specialist  
Water Quality Program

pl

CC: Brien R. Kocher, P.E.  
M. Brunamonti  
J. McHale

SECTION IV - TOWNSHIP ADOPTION RESOLUTION



**TOWNSHIP OF ALLEN  
RESOLUTION 2001-03**

**RESOLUTION FOR OFFICIAL PLAN REVISION PURSUANT TO THE  
PENNSYLVANIA SEWAGE FACILITIES ACT**

---

RESOLUTION OF THE SUPERVISORS OF ALLEN  
TOWNSHIP, NORTHAMPTON COUNTY,  
PENNSYLVANIA (hereinafter "the municipality")  
ADOPTING AN OFFICIAL PLAN REVISION.

WHEREAS, Section 5 of the Act of January 24, 1966, P.L. 1535, No. 537, known as the "Pennsylvania Sewage Facilities Act," as amended, and the Rules and Regulations of the Department of Environmental Resources (Department) adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, requires the municipality to adopt an Official Sewage Facilities Plan providing for sewage services adequate to prevent contamination of waters and/or environmental health hazards with sewage wastes, and to revise said plan whenever it is necessary to meet the sewage disposal needs of the municipality, and

WHEREAS, Allen Township has prepared an Official Plan Revision, Addendum C, dated February 7, 2001, which provides for sewage facilities in a portion of Allen Township as described therein, and

WHEREAS, Allen Township finds that the Official Plan Revision described above conforms to applicable zoning, subdivision, other municipal ordinances and plans and to a comprehensive program of pollution control and water quality management.

NOW, THEREFORE, BE IT RESOLVED that the Supervisors of the Township of Allen hereby adopts and submits to the Department of Environmental Resources for its approval as a revision to the "Official Plan" of the municipality, the above referenced Official Plan Revision, Addendum C dated February 27, 2001, along with any attachments or addendums thereto. The municipality hereby assures the Department of the complete and timely

implementation of the said plan as required by law. (Section 5, Pennsylvania Sewage Facilities Act as amended).

The alternative of choices to be implemented is Alternative 4 providing sewer service to Atlas Heights, Drexel Heights, and several proposed developments. The key implementation activities/dates are as shown in the Official Sewer Plan Summary.

I, Ilene M. Eckhart, Secretary, Allen Township Board of Supervisors, hereby certify that the foregoing is a true copy of the Township's Resolution No. 2001-03 adopted April 12, 2001

AUTHORIZED SIGNATURE

TOWNSHIP SEAL

Paul Ballut

Chairman

[Signature]  
Manager

IV - 2

SECTION V - ACT 537 PLAN CONTENT CHECKLIST

## ACT 537 PLAN CONTENT AND ENVIRONMENTAL ASSESSMENT CHECKLIST

For specific details covering Act 537 planning requirements, refer to Chapters 71 and 73 of the Department's Regulations.

Municipality: ALLEN TOWNSHIP County: NORTHAMPTON

Local Municipal Contact Official: MS. ILENE ECKHART, TOWNSHIP MANAGER

Telephone Number of Official: 610-262-7012

Consultant: HANOVER ENGINEERING ASSOCIATES, INC.

Consultant's Telephone Number: 610-691-5644

Consultant's Contact Person: BRIEN R. KOCHER, P.E.

Title of Submission: ACT 537 AMENDMENT - ADDENDUM C

Date Submitted: APRIL 19, 2001

### About this checklist . . . . .

- \* DEP publication 3640-BK-DEP1480 11/92, "A Guide For Preparing Act 537 Update Revisions - November 1992", is obsolete. Do not use checklist pages from that publication.
- \* You must complete and attach this checklist when you submit the Plan to the Department for review and approval.
- \* This checklist is composed of two parts, one for Administrative Completeness and one for General Plan Content. A Plan must be "administratively complete" in order to be formally reviewed and approved by the Department. The General Plan Content checklist identifies each of the issues which must be addressed in your Act 537 Plan Update based on a pre-planning meeting between you and/or your consultant and the Department. The Administrative Completeness checklist is found on Pages I-16. The General Content checklist is found on Pages I-17 through I-27. PENNVEST funded or applicant plans must address planning requirements on Page I-28.
- \* You must use the right-hand column blanks in the checklist to identify the page in the Plan on which each planning issue is found or reference a previously approved update or special study (title and page number.)
- \* If you determine a planning issue is not applicable even though it was previously thought to be needed, please explain your decision within the text of the Plan (or as a footnote) and indicate the page number where this documentation is found.
- \* After Municipal Adoption by Resolution, submit three (3) copies of the Plan, any attachments or addenda, and this checklist to the Department.

## ADMINISTRATIVE COMPLETENESS CHECKLIST

| DEP Use Only | Indicate Page #(s) in Plan | In addition to the main body of the Plan, the Plan must include items 1 through 8 listed below to be accepted for formal review by the Department. Incomplete Plans will be returned unless the municipality is clearly requesting an advisory review, only.   |
|--------------|----------------------------|--|
| _____        | <u>I-1</u>                 | 1. Table of Contents<br><br>2. Plan Summary  |
| _____        | <u>VI-2</u>                | A. Identify the proposed service areas and major problems evaluated in the Plan. (Reference - Title 25, §71.21.a.7.i)  |
| _____        | <u>VI-3</u>                | B. Identify the alternative(s) chosen to solve the problems and serve the areas of need identified in the plan. Also, include any institutional arrangements necessary to implement the chosen alternative(s). (Reference Title 25 §71.21.a.7.ii)  |
| _____        | <u>VI-18</u>               | C. Present the estimated cost of implementing the proposed alternative (including the user fees) and the proposed funding method to be used. (Reference Title 25, §71.21.a.7.ii)   |
| _____        | <u>VIII-1</u>              | D. Identify the municipal commitments necessary to implement the Plan. (Reference Title 25, §71.21.a.7.iii)  |
| _____        | <u>VI-4</u>                | E. Provide a schedule of implementation for the project which identifies the MAJOR milestones with dates necessary to accomplish the project to the point of operational status. (Reference Title 25, § 71.21.a.7.iv)  |
| _____        | <u>IV-1</u>                | 3. Original, signed and sealed Resolution of Adoption by the Municipality which contains, at a minimum, alternatives chosen and a commitment to implement the Plan in accordance with the implementation schedule. (Reference Title 25, §71.31.f) Section V.F. of the Planning Guide.  |
| _____        | <u>VII-27</u>              | 4. Evidence that the municipality has requested, reviewed, and considered comments by appropriate official planning agencies of the municipality, planning agencies of the county, planning agencies with areawide jurisdiction (where applicable), and any existing county or joint county departments of health. (Reference-Title 25, §71.31.b) Section V.E.1 of the Planning Guide.   |
| _____        | <u>VII-29</u>              | 5. Proof of Public Notice which documents the proposed plan adoption, plan summary, and the establishment and uncontested conduct of a 30 day comment period. (Reference-Title 25, §71.31.c) Section V.E.2 of the Planning Guide.  |
| _____        | <u>N/A</u>                 | 6. Copies of ALL written comments received and municipal response to EACH comment in relation to the proposed plan. (Reference-Title 25, §71.31.c) Section V.E.2 of the Planning Guide.  |
| _____        | <u>VI-5 &amp; BP</u>       | 7. A complete project implementation schedule with milestone dates specific for each existing and future area of need. Other activities in the project implementation schedule should be indicated as occurring a finite number of days from a major milestone. (Reference-Title 25, §71.31.d) Section F of the Planning Guide. Include dates for the future initiation of feasibility evaluations in the project's implementation schedule for areas proposing completion of sewage facilities for planning periods in excess of five years. (Reference Title 25, §71.21.b) |
| _____        | <u>N/A</u>                 | 8. Documentation indicating that the appropriate agencies have received, reviewed and concurred with the method proposed to resolve identified inconsistencies within the proposed alternative and consistency requirements in 71.21.(a)(5)(i-iii). (Reference-Title 25, §71.31.e) Appendix B of the Planning Guide.   |

BP = PREVIOUSLY APPROVED BASE PLAN

## GENERAL PLAN CONTENT CHECKLIST

| DEP Use Only | Indicate Page #(s) in Plan | Item Required   |
|--------------|----------------------------|---|
|              |                            | <b>I. Previous Wastewater Planning</b>  |
|              |                            | <b>A. Identify and briefly analyze all existing wastewater planning that:</b>   |
| _____        | <u>VI-2</u>                | 1. Has been previously undertaken under the Sewage Facilities Act (Act 537). (Reference-Act 537, Section 5 §d.1)  |
| _____        | <u>VI-2</u>                | 2. Has not been carried out according to an approved implementation schedule contained in the plans. (Reference-Title 25, §71.21.a.5.i.A-D) Section V.F of the Planning Guide   |
| _____        | <u>VI-2</u>                | 3. Is anticipated or planned by applicable sewer authorities. (Reference-Title 25, §71.21.a.5.i.A) Section V.D. of the Planning Guide.  |
| _____        | <u>VI-2</u>                | 4. Has been done through planning modules for new land development, planning "exemptions" and addenda. (Reference-Title 25, §71.21.a.5.i.A).  |
|              |                            | <b>B. Identify and briefly summarizes all municipal and county planning documents adopted pursuant to the Pennsylvania Municipalities Planning Code (Act 247) including:</b>  |
| _____        | <u>BP</u>                  | 1. All land use plans and zoning maps which identify residential, commercial, industrial, agricultural, recreational, and open space areas. (Reference-Title 25, §71.21.a.3.iv).  |
| _____        | <u>BP</u>                  | 2. Zoning or subdivision regulations that establish lot sizes predicated on sewage disposal methods. (Reference-Title 25 §71.21.a.3.iv).  |
| _____        | <u>BP</u>                  | 3. All limitations and plans related to floodplain and stormwater management and special protection (Ch. 93) areas. (Reference-Title 25 §71.21.a.3.iv) Appendix B, Section II.F of the Planning Guide.  |
|              |                            | <b>II. Physical and Demographic Analysis utilizing written description and mapping</b> (All items listed below require MAPS, and all maps should show all current lots and structures and be of appropriate scale to clearly show significant information).   |
| _____        | <u>VI-13, VI-14, VI-28</u> | <b>A. Identification of planning area(s), municipal boundaries, Sewer Authority/Management Agency service area boundaries.</b> (Reference-Title 25, §71.21.a.1.i).  |
| _____        | <u>VI-13, VI-14, VI-28</u> | <b>B. Identification of physical characteristics (streams, lakes, impoundments, natural conveyance, channels, drainage basins in the planning area).</b> (Reference-Title 25, §71.21.a.1.ii).   |
| _____        | <u>VI-15</u>               | <b>C. Soils - Analysis with description by soil type and soils mapping. Show areas suitable for in-ground on-lot systems, elevated sand mounds, individual residential spray irrigation systems, and areas unsuitable for soil dependent systems.</b> (Reference-Title 25, §71.21.a.1.iii). Show Prime Agricultural Soils and any locally protected agricultural soils. (Reference-Title 25, §71.21.a.1.iii). |

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| DEP Use Only | Plan Page No. | Item Required  |
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| _____        | <u>BP</u>     | D. Geologic Features - (1) Identification through analysis, (2) mapping and (3) their relation to existing or potential nitrate-nitrogen pollution and drinking water sources. Include areas where existing nitrate-nitrogen levels are in excess of 5 mg/l. (Reference-Title 25, §71.21.a.1.iii).   |
| _____        | <u>VI-16</u>  | E. Topography - Depict slopes that are suitable for conventional systems; slopes that are suitable for elevated sand mounds; slopes that are unsuitable for on-lot systems. (Reference-Title 25, §71.21.a.1.ii).   |
| _____        | <u>BP</u>     | F. Potable Water Supplies - Identification through mapping, description and analysis to include available public water supply capacity and aquifer yield for groundwater supplies. (Reference-Title 25 §71.21.a.1.vi) Section V.C. of the Planning Guide.  |
| _____        | <u>VI-14</u>  | G. Wetlands-Identify wetlands as defined in Title 25, Chapter 105 by description, analysis and mapping. Include National Wetland Inventory mapping and potential wetland areas per USDA, SCS mapped hydric soils. Proposed collection, conveyance and treatment facilities and lines must be located and labeled, along with the identified wetlands, on the map. (Reference-Title 25, §71.21.a.1.v) Appendix B, Section II.I of the Planning Guide. |

### III. Existing Sewage Facilities in the Planning Area - Identifying the Existing Needs

#### A. Identify, map and describe municipal and nonmunicipal, individual and community sewerage systems in the planning area including:

|       |           |  |
|-------|-----------|--|
| _____ | <u>BP</u> | 1. Location, size and ownership of treatment facilities, main intercepting lines, pumping stations and force mains including their size, capacity, point of discharge. Also include the name of the receiving stream, drainage basin, and the facility's effluent discharge requirements. (Reference-Title 25, §71.21a.2.i.A)  |
| _____ | <u>BP</u> | 2. A narrative and schematic diagram of the facility's basic treatment processes including the facility's NPDES permitted capacity, and the Clean Streams Law permit number. (Reference-Title 25, §71.21.a.2.i)  |
| _____ | <u>BP</u> | 3. A description of problems with existing facilities (collection, conveyance and/or treatment), including existing or projected overload under Title 25, Chapter 94 (relating to municipal wasteload management) or violations of the NPDES permit, Clean Streams Law permit, or other permit, rule or regulation of the Department. (Reference-Title 25, §71.21.a.2.i.B)                                 |
| _____ | <u>BP</u> | 4. Details of scheduled or in-progress upgrading or expansion of treatment facilities and the anticipated completion date of the improvements. Discuss any remaining reserve capacity and the policy concerning the allocation of reserve capacity. Also discuss the compatibility of the rate of growth to existing and proposed wastewater treatment facilities. (Reference-Title 25, §71.21.a.4.i & ii) |
| _____ | <u>BP</u> | 5. A detailed description of operation and maintenance requirements of the municipality for on-lot systems and the status of past and present compliance with these requirements and any other requirements relating to sewage management programs. (Reference-Title 25, §71.21.a.2.i.C)   |
| _____ | <u>BP</u> | 6. Disposal areas, if other than stream discharge, and any applicable groundwater limitations. (Reference-Title 25, §71.21.a.4.i & ii)   |

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| DEP<br>Use<br>Only | Plan<br>Page No.              | Item Required   |
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|                    |                               | B. Using DEP's manual titled "Sewage Disposal Needs Identification Guidance," identify, map and describe areas that utilize individual and community on-lot sewage disposal and, unpermitted collection and disposal systems ("wildcat" sewers, borehole disposal, etc.) and retaining tank systems in the planning area including:   |
| _____              | <u>BP</u>                     | 1. The types of systems in use. (Reference-Title 25, §71.21.a.2.ii.A).  |
| _____              | <u>BP</u>                     | 2. A sanitary survey complete with a description of documented and potential public health pollution, and operational problems (including malfunctioning systems) with the systems, including violations of local ordinances, the Sewage Facilities Act, the Clean Stream Law or regulations promulgated thereunder. (Reference-Title 25, §71.21.a.2.ii.B).                     |
| _____              | <u>BP</u>                     | 3. A comparison of the types of on-lot sewage systems installed in an area with the types of systems which are appropriate for the area according to soil, geologic conditions, topographic limitations sewage flows, and Title 25 Chapter 73 (relating to standards for sewage disposal facilities). (Reference-Title 25, §71.21.a.2.ii.C).                                    |
| _____              | <u>BP</u>                     | 4. An individual water supply survey to identify possible contamination by malfunctioning on-lot sewage disposal systems consistent with the DEP Sewage Disposal Needs Identification Guidance manual. (Reference-Title 25 §71.21.a.2.ii.B)   |
|                    |                               | C. Identify wastewater sludge and septage generation, transport, and disposal methods. Include this information in the sewage facilities alternative analysis including:  |
| _____              | <u>BP</u>                     | 1. Location of sources of wastewater sludge or septage (Septic tanks, holding tanks, wastewater treatment facilities). (Reference-Title 25 §71.71)  |
| _____              | <u>BP</u>                     | 2. Quantities of the types of sludges or septage generated. (Reference-Title 25 §71.71).  |
| _____              | <u>BP</u>                     | 3. Present disposal methods, locations, capacities, and transportation methods. (Reference-Title 25 §71.71).  |
|                    |                               | <b>IV. Future Growth and Land Development</b>   |
|                    |                               | A. Delineate and describe the following through map, text and analysis:   |
| _____              | <u>EXHIBITS<br/>A &amp; B</u> | 1. Areas with existing development or plotted subdivisions. Include the name, location, description, total number of EDU's in development, total number of EDU's currently developed, and total number of EDUs remaining to be developed (include time schedule for EDU's remaining to be developed). (Reference-Title 25, §71.21.a.3.i).                                       |
| _____              | <u>BP</u>                     | 2. Land use designations established under the Pennsylvania Municipalities Planning Code (35 P.S. 10101-11202), including residential, commercial and industrial areas. (Reference-Title 25, §71.21.a.3.ii). Include a comparison of proposed land use as allowed by zoning and existing sewage facility planning (Reference-Title 25, §71.21.a.3.iv).                          |
| _____              | <u>EXHIBITS<br/>A &amp; B</u> | 3. Future growth areas with population and EDU projections for these areas using historical, current and future population figures and projections of the municipality. Discuss and evaluate discrepancies between local, county, state and federal projections as they relate to sewage facilities. (Reference-Title 25, §71.21.a.1.iv). (Reference-Title 25, §71.21.a.3.iii). |

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| DEP<br>Use<br>Only  | Plan<br>Page No. | Item Required   |
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|   | <u>BP</u>        | 4. Zoning, and/or subdivision regulations; local, county or regional omprehensive plans; and existing plans of a Commonwealth agency relating to the development, use and protection of land and water resources with special attention to: (Reference-Title 25, §71.21.a.3.iv)<br><br>--public ground/surface water supplies<br>--recreational water use areas<br>--groundwater recharge areas<br>--industrial water use<br>--wetlands |
|   | <u>VI-8</u>      | 5. Sewage planning to provide adequate wastewater treatment for the municipality. This planning must be related to both the <u>five and ten year</u> future planning periods and be based on growth impacts on existing and proposed wastewater collection and treatment facilities. (Reference-Title 25, §71.21.a.3.v)   |
| <b>V. Identify Alternatives to Provide New or Improved Wastewater Disposal Facilities</b> |                  |   |
| A. Conventional collection, conveyance, treatment, and discharge alternatives including:  |                  |   |
|   | <u>VI-8</u>      | 1. The potential for regional wastewater treatment. (Reference-Title 25, §71.21.a.4).   |
|   | <u>BP</u>        | 2. The potential for extension of existing municipal or non-municipal sewage facilities to areas in need of new or improved sewage facilities. (Reference-Title 25, §71.21.a.4.i)   |
|   | <u>BP</u>        | 3. The potential for the continued use of existing municipal or non-municipal sewage facilities through one or more of the following: (Reference-Title 25, §71.21.a.4.ii).  |
|   | <u>BP</u>        | a. Repair. (Reference-Title 25, §71.21.a.4.ii.A)  |
|   | <u>BP</u>        | b. Upgrading. (Reference-Title 25, §71.21.a.4.ii.B)   |
|   | <u>N/A</u>       | c. Reduction of hydraulic or organic loading to existing facilities. (Reference-Title 25, §71.71)   |
|   | <u>N/A</u>       | d. Improved operation and maintenance. (Reference-Title 25, §71.21.a.4.ii.C)  |
|   | <u>BP</u>        | e. Other applicable actions that will resolve or abate the identified problems. (Reference-Title 25, §71.21.a.4.ii.D).  |
|   | <u>VI-3</u>      | 4. The need for construction of new community sewage systems including sewer systems and/or treatment facilities. (Reference-Title 25, §71.21.a.4.iii).   |
|   | <u>BP</u>        | 5. Repair or replacement of collection and conveyance system components. (Reference-Title 25, §71.21.a.4.ii.A).   |
|   | <u>N/A</u>       | 6. Use of innovative/alternative methods of collection/conveyance to serve needs areas using existing wastewater treatment facilities. (Reference-Title 25, §71.21.a.4.ii.B).   |

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| DEP<br>Use<br>Only | Plan<br>Page No. | Item Required   |
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|                    |                  | B. The use of individual sewage disposal systems including individual residential spray irrigation systems based on:  |
| <u>          </u>  | <u>BP</u>        | 1. Soil and slope suitability. (Reference-Title 25, 71.21.a.2.ii.C)   |
| <u>          </u>  | <u>BP</u>        | 2. Preliminary hydrogeologic evaluation. (Reference-Title 25, §71.21.a.2.ii.C)  |
| <u>          </u>  | <u>BP</u>        | 3. The establishment of a sewage management program. (Reference-Title 25, §71.21.a.4.iv). See also Part "F" below.  |
| <u>          </u>  | <u>BP</u>        | 4. The repair, replacement or upgrading of existing malfunctioning systems in areas suitable for on-lot disposal considering: (Reference-Title 25, §71.21.a.4).               |
| <u>          </u>  | <u>BP</u>        | a. Existing technology and sizing requirements of Title 25 Chapter 73. (Reference-Title 25, §73.31-73.72).  |
| <u>          </u>  | <u>BP</u>        | b. Use of expanded absorption areas or alternating absorption areas. (Reference-Title 25, §73.16.   |
| <u>          </u>  | <u>BP</u>        | c. Use of water conservation devices. (Reference-Title 25, §71.73.b.2.iii).   |
|                    |                  | C. The use of small flow sewage treatment facilities or package treatment facilities to serve individual homes or clusters of homes based on: (Reference-Title 25, §71.64.d). |
| <u>          </u>  | <u>BP</u>        | 1. Treatment and discharge requirements. (Reference-Title 25, §71.64.d).  |
| <u>          </u>  | <u>BP</u>        | 2. Soil suitability. (Reference-Title 25, §71.64.c.1).  |
| <u>          </u>  | <u>BP</u>        | 3. Preliminary hydrogeologic evaluation. (Reference-Title 25, §71.64.c.2).  |
| <u>          </u>  | <u>BP</u>        | 4. Agency or other controls over operation and maintenance requirements. (Reference-Title 25, §71.64.d). See Part "F" below.  |
|                    |                  | D. The use of community land disposal alternatives including:   |
| <u>          </u>  | <u>BP</u>        | 1. Soil and site suitability. (Reference-Title 25, 71.21.a.2.ii.C)  |
| <u>          </u>  | <u>BP</u>        | 2. Preliminary hydrogeologic evaluation. (Reference-Title 25, 71.21.a.2.ii.C)   |
| <u>          </u>  | <u>BP</u>        | 3. Controls over operation and maintenance requirements through a Sewage Management Program (Reference-Title 25, 71.21.a.2.ii.C). See Part "F" below.                         |
| <u>          </u>  | <u>BP</u>        | 4. The rehabilitation or replacement of existing malfunctioning community land disposal systems. (See Part V, B, 4, a, b, c above). See also Part "F" below.                  |

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| DEP<br>Use<br>Only | Plan<br>Page No. | Item Required   |
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|                    |                  | E. The use of retaining tank alternatives on a temporary or permanent basis including: (Reference- Title 25, §71.21.a.4).   |
| _____              | <u>BP</u>        | 1. Commercial, residential and industrial use. (Reference-Title 25, §71.63.e).  |
| _____              | <u>BP</u>        | 2. Designated conveyance facilities (pumper trucks). (Reference-Title 25, §71.63.b.2).  |
| _____              | <u>BP</u>        | 3. Designated treatment facilities or disposal site. (Reference-Title 25, 71.63.b.2).   |
| _____              | <u>BP</u>        | 4. Implementation of a retaining tank ordinance by the municipality. (Reference-Title 25, §71.63.b.2). See Part "F" below   |
| _____              | <u>BP</u>        | 5. Financial guarantees when retaining tanks are used as an interim sewage disposal measure.( Reference-Title 25, §71.63.c.2).  |
|                    |                  | F. Sewage management programs to assure the future operation and maintenance of existing and proposed sewage facilities through:  |
| _____              | <u>BP</u>        | 1. Municipal ownership or control over the operation and maintenance of individual on-lot sewage disposal systems, small flow treatment facilities, or other traditionally non-municipal treatment facilities. (Reference-Title 25, §71.21.a.4.iv)  |
| _____              | <u>BP</u>        | 2. Required inspection of sewage disposal systems on a schedule established by the municipality. (Reference-Title 25, §71.73.b.1.)  |
| _____              | <u>BP</u>        | 3. Required maintenance of sewage disposal systems including septic and aerobic treatment tanks and other system components on a schedule established by the municipality. (Reference-Title 25, §71.73.b.2)   |
| _____              | <u>BP</u>        | 4. Repair, replacement or upgrading of malfunctioning on-lot sewage systems. (Reference-Title 25, §71.21.a.4.iv) through: <ul style="list-style-type: none"> <li>a. Aggressive pro-active enforcement of ordinances which require operation and maintenance and prohibit malfunctioning systems. (Reference-Title 25, §71.73.b.5)</li> <li>b. Public education programs to encourage proper operation and maintenance and repair of sewage disposal systems.</li> </ul> |
| _____              | <u>BP</u>        | 5. Establishment of joint municipal sewage management programs. (Reference-Title 25, §71.73.b.8)  |
| _____              | <u>BP</u>        | 6. Requirements for bonding, escrow accounts, management agencies or associations to assure operation and maintenance for non-municipal facilities. (Reference-Title 25, §71.71)  |

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G. Non-structural comprehensive planning alternatives that can be undertaken to assist in meeting existing and future sewage disposal needs including: (Reference-Title 25, §71.21.a.4)

1. Modification of existing comprehensive plans involving:

\_\_\_\_\_ BP \_\_\_\_\_

a. Land use designations. (Reference-Title 25, §71.21.a.4)

\_\_\_\_\_ BP \_\_\_\_\_

b. Densities. (Reference-Title 25, §71.21.a.4)

\_\_\_\_\_ BP \_\_\_\_\_

c. Municipal ordinances and regulations. (Reference-Title 25, §71.21.a.4)

\_\_\_\_\_ BP \_\_\_\_\_

d. Improved enforcement. (Reference-Title 25, §71.21.a.4)

\_\_\_\_\_ BP \_\_\_\_\_

e. Protection of drinking water sources. (Reference-Title 25, §71.21.a.4)

\_\_\_\_\_ BP \_\_\_\_\_

2. Consideration of a local comprehensive plan to assist in producing sound economic and consistent land development. (Reference-Title 25, §71.21.a.4)

\_\_\_\_\_ BP \_\_\_\_\_

3. Alternatives for creating or changing municipal subdivision regulations to assure long-term use of on-site sewage disposal which consider lot sizes and protection of replacement areas. (Reference-Title 25, §71.21.a.4)

\_\_\_\_\_ BP \_\_\_\_\_

4. Evaluation of existing local agency programs and the need for technical or administrative training. (Reference-Title 25, §71.21.a.4)

H. A no-action alternative which includes discussion of both short-term and long-term impacts on: (Reference-Title 25, §71.21.a.4).

\_\_\_\_\_ BP \_\_\_\_\_

1. Water Quality/Public Health. (Reference-Title 25, §71.21.a.4).

\_\_\_\_\_ BP \_\_\_\_\_

2. Growth potential (residential, commercial, industrial). (Reference-Title 25, 71.21.a.4).

\_\_\_\_\_ BP \_\_\_\_\_

3. Community economic conditions. (Reference-Title 25, 71.21.a.4)

\_\_\_\_\_ BP \_\_\_\_\_

4. Recreational opportunities. (Reference-Title 25, §71.21.a.4)

\_\_\_\_\_ BP \_\_\_\_\_

5. Drinking water sources. (Reference-Title 25, §71.21.a.4)

\_\_\_\_\_ BP \_\_\_\_\_

6. Other environmental concerns. (Reference-Title 25, 71.21.a.4)

**VI. Evaluation of Alternatives**

A. Technically feasible alternatives identified in Section V of this check-list must be evaluated for consistency with respect to the following: (Reference-Title 25, §71.21.a.5.i.A)

\_\_\_\_\_ BP \_\_\_\_\_

1. Applicable plans developed and approved under Sections 4 and 5 of the Clean Streams Law or Section 208 of the Clean Water Act (33 U.S.C.A. 1288). (Reference-Title 25, §71.21.a.5.i.A) Appendix B, Section II.A of the Planning Guide.

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| DEP<br>Use<br>Only | Plan<br>Page No.                    | Item Required  |
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| _____              | <u>BP</u>                           | 2. Municipal wasteload management plans developed under PA Code, Title 25, Chapter 94. Reference-Title 25, §71.21.a.5.i.B) The municipality's recent Wasteload Management (Chapter 94) Reports should be examined to determine if the proposed alternative is consistent with the recommendations and findings of the report. Appendix B, Section II.B of the Planning Guide.  |
| _____              | <u>BP</u>                           | 3. Plans developed under Title II of the Clean Water Act (33 U.S.C.A. 1281-1299) or Title II and Titles II and VI of the Water Quality Act of 1987 (33 U.S.C.A 1251-1376). (Reference-Title 25, §71.21.a.5.i.C) Appendix B, Section II.E of the Planning Guide.  |
| _____              | <u>BP</u>                           | 4. Comprehensive plans developed under the Pennsylvania Municipalities Planning Code. (Reference-Title 25, §71.21.a.5.i.D) The municipality's comprehensive plan must be examined to assure that the proposed wastewater disposal alternative is consistent with land use and all other requirements stated in the comprehensive plan. Appendix B, Section II.D of the Planning Guide.   |
| _____              | <u>BP</u>                           | 5. Antidegradation requirements as contained in PA Code, Title 25, Chapters 93, 95 and 102 (relating to water quality standards, wastewater treatment requirements and erosion control) and the Clean Water Act. (Reference-Title 25, §71.21.a.5.i.E) Appendix B, Section II.F of the Planning Guide.  |
| _____              | <u>BP</u>                           | 6. State Water Plans developed under the Water Resources Planning Act (42 U.S.C.A. 1962-1962 d-18). (Reference-Title 25, §71.21.a.5.i.F) Appendix B, Section II.C of the Planning Guide.   |
| _____              | <u>BP</u>                           | 7. Pennsylvania Prime Agricultural Land Policy contained in Title 4 of the Pennsylvania Code, Chapter 7, Subchapter W. Provide narrative on local municipal policy and an overlay map on prime agricultural soils. (Reference-Title 25, §71.21.a.5.i.G) Appendix B Section II.G of the Planning Guide.   |
| _____              | <u>BP</u>                           | 8. County Stormwater Management Plans approved by the Department under the Storm Water Management Act (32 P.S. 680.1-680.17). (Reference-Title 25, §71.21.a.5.i.H) Conflicts created by the implementation of the proposed wastewater alternative and the existing recommendations for the management of stormwater in the County Stormwater Management Plan must be evaluated and mitigated. If no plan exists, no conflict exists. Appendix B, Section II.H of the Planning Guide. |
| _____              | <u>BP</u>                           | 9. Using wetland mapping developed under Section II.A.7, identify and discuss mitigative measures including the need to obtain permits for any encroachments on wetlands from the construction or operation of any proposed wastewater facilities. Appendix B, Section II.I of the Planning Guide.   |
| _____              | <u>IX-1, IX-8,<br/>IX-11, IX-22</u> | 10. Protection of rare, endangered or threatened plant and animal species as identified by the Pennsylvania Natural Diversity Inventory (PNDI). (Reference-Title 25, §71.21.a.5.i.J) Provide the Department with a copy of the completed Request For PNDI Search document. Also <u>provide a copy of the response letter from the Department of Conservation and Natural Resources' Bureau of Forestry regarding the findings of the PNDI search.</u> Appendix B, II.J.              |

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|                    | <u>IX-9, IX-10,<br/>IX-23, IX-24</u> | 11. Historical and archaeological resource protection under P.C.S. Title 37, Section 507 relating to cooperation by public officials with the Pennsylvania Historical and Museum Commission. (Reference-Title 25, §71.21.a.5.i.K) Provide the Department with a completed copy of a Cultural Resource Notice request to the Bureau of Historic Preservation (BHP) to provide a listing of known historical sites and potential impacts on known archaeological and historical sites. <u>Also provide a copy of the response letter from the BHP.</u> Appendix B, Section II.K of the Planning Guide. |
|                    | <u>BP</u>                            | B. Provide for the resolution of any inconsistencies in any of the points identified in Section VI.A. of this checklist by submitting a letter from the appropriate agency stating that the agency has received, reviewed, and concurred with the resolution of identified inconsistencies. (Reference-Title 25, §71.21.a.5.ii) Appendix B of the Planning Guide.  |
|                    | <u>BP</u>                            | C. Evaluate alternatives identified in Section V of this checklist with respect to applicable water quality standards, effluent limitations or other technical, legislative or legal requirements. (Reference-Title 25, §71.21.a.5.iii).   |
|                    | <u>IV-18</u>                         | D. Provide cost estimates using present worth analysis for construction, financing, on going administration, operation and maintenance and user fees for alternatives identified in Section V of this checklist. Estimates shall be limited to areas identified in the plan as needing improved sewage facilities within five (5) years from the date of plan submission. (Reference-Title 25, §71.21.a.5.iv).   |
|                    | <u>IV-18</u>                         | E. Provide an analysis of the funding methods available to finance the proposed alternatives evaluated in Section V of this checklist. Also provide documentation to demonstrate which alternative and financing scheme combination is the most cost-effective; and a contingency financial plan to be used if the preferred method of financing cannot be implemented. The funding analysis shall be limited to areas identified in the plan as needing improved sewage facilities within five years from the date of the plan submission. (Reference-Title 25, §71.21.a.5.v).                      |
|                    |                                      | F. Analyze the need for immediate or phased implementation of each alternative proposed in Section V of this checklist including: (Reference-Title 25, §71.21.a.5.vi).   |
|                    | <u>VI-25</u>                         | 1. A description of any activities necessary to abate critical public health hazards pending completion of sewage facilities or implementation of sewage management programs. (Reference-Title 25, §71.21.a.5.vi.A)  |
|                    | <u>VI-25</u>                         | 2. A description of the advantages, if any, in phasing construction of the facilities or implementation of a sewage management program justifying time schedules for each phase. (Reference-Title 25, §71.21.a.5.vi.B)   |
|                    | <u>N/A</u>                           | G. Evaluate administrative organizations and legal authority necessary for Plan implementation. (Reference - Title 25, §71.21.a.5.vi.D.)   |

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**VII. Institutional Evaluation**

A. Provide an analysis of all existing wastewater treatment authorities, their past actions and present performance including:

- |                 |                 |                 |   |
|-----------------|-----------------|-----------------|---|
| <u>        </u> | <u>        </u> | <u>        </u> | 1. Financial and debt status. (Reference-Title 25, §71.61.d.2)  |
| <u>        </u> | <u>        </u> | <u>        </u> | 2. Available staff and administrative resources. (Reference-Title 25, §71.61.d.2)                               |
| <u>        </u> | <u>        </u> | <u>        </u> | 3. Existing legal authority to:   |
| <u>        </u> | <u>        </u> | <u>        </u> | a. Implement wastewater planning recommendations. (Reference-Title 25, §71.61.d.2)                              |
| <u>        </u> | <u>        </u> | <u>        </u> | b. Implement system-wide operation and maintenance activities. (Reference-Title 25, §71.61.d.2)                 |
| <u>        </u> | <u>        </u> | <u>        </u> | c. Set user fees and take purchasing actions. (Reference-Title 25, §71.61.d.2)                                  |
| <u>        </u> | <u>        </u> | <u>        </u> | d. Take enforcement actions against ordinance violators. (Reference-Title 25, §71.61.d.2)                       |
| <u>        </u> | <u>        </u> | <u>        </u> | e. Negotiate agreements with other parties. (Reference-Title 25, §71.61.d.2)                                    |
| <u>        </u> | <u>        </u> | <u>        </u> | f. Raise capital for construction and operation and maintenance of facilities. (Reference-Title 25, §71.61.d.2) |

B. Provide an analysis and description of the various institutional alternatives necessary to implement the proposed technical alternatives including:

- |                 |                 |                 |  |
|-----------------|-----------------|-----------------|--|
| <u>        </u> | <u>        </u> | <u>        </u> | 1. Need for new municipal departments or municipal authorities. (Reference-Title 25, §71.61.d.2)   |
| <u>        </u> | <u>        </u> | <u>        </u> | 2. Functions of existing and proposed organizations (sewer authorities, on-lot maintenance agencies, etc.). (Reference-Title 25, §71.61.d.2)       |
| <u>        </u> | <u>        </u> | <u>        </u> | 3. Cost of administration, implementability, and the capability of the authority/agency to react to future needs. (Reference-Title 25, §71.61.d.2) |

C. Describe all necessary administrative and legal activities to be completed and adopted to ensure the implementation of the recommended alternative including:

- |                 |                 |                 |   |
|-----------------|-----------------|-----------------|---|
| <u>        </u> | <u>        </u> | <u>        </u> | 1. Incorporation of authorities or agencies. (Reference-Title 25, §71.61.d.2)   |
| <u>        </u> | <u>        </u> | <u>        </u> | 2. Development of all required ordinances, regulations, standards, and inter-municipal agreements. (Reference-Title 25, §71.61.d.2) |
| <u>        </u> | <u>        </u> | <u>        </u> | 3. Description of activities to provide rights-of-way, easements, and land transfers. (Reference-Title 25, §71.61.d.2)              |
| <u>        </u> | <u>        </u> | <u>        </u> | 4. Adoption of other municipal sewage facilities plans. (Reference-Title 25, §71.61.d.2)  |
| <u>        </u> | <u>        </u> | <u>        </u> | 5. Any other legal documents. (Reference-Title 25, §71.61.d.2)  |
| <u>        </u> | <u>        </u> | <u>        </u> | 6. Dates or timeframes for items 1-5 above on the project's implementation schedule.  |

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| <u>          </u>  | <u>  N/A  </u>   | D. Identify the chosen institutional alternative for implementing the chosen technical wastewater disposal alternative. Provide justification for choosing the specific institutional alternative considering administrative issues, organizational needs and enabling legal authority. (Reference-Title 25, §71.61.d.2) |

**VIII Justification for Selected Technical & Institutional Alternatives**

|                   |                 |   |
|-------------------|-----------------|---|
| <u>          </u> | <u>  VI-3  </u> | A. Identify the technical wastewater disposal alternative which best meets the wastewater treatment needs of each study area of the municipality. Justify the choice by providing documentation which shows that it is the best alternative based on: |
| <u>          </u> | <u>  VI-3  </u> | 1. Existing wastewater disposal needs. (Reference-Title 25, §71.21.a.6)   |
| <u>          </u> | <u>  VI-3  </u> | 2. Future wastewater disposal needs. (5 and 10 years growth areas). (Reference-Title 25, §71.21.a.6)  |
| <u>          </u> | <u>  VI-3  </u> | 3. Operation and maintenance considerations. (Reference-Title 25, §71.21.a.6)   |
| <u>          </u> | <u>  VI-3  </u> | 4. Cost-effectiveness. (Reference-Title 25, §71.21.a.6)   |
| <u>          </u> | <u>  VI-3  </u> | 5. Available management and administrative systems. (Reference-Title 25, §71.21.a.6)  |
| <u>          </u> | <u>  VI-3  </u> | 6. Available financing methods. (Reference-Title 25, §71.21.a.6)  |
| <u>          </u> | <u>  VI-3  </u> | 7. Environmental soundness and compliance with natural resource planning and preservation programs. (Reference-Title 25, §71.21.a.6)  |
| <u>          </u> | <u>  VI-3  </u> | B. Designate and describe the capital financing plan chosen to implement the selected alternative(s). Designate and describe the chosen back-up financing plan.   |

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## ADDITIONAL REQUIREMENTS FOR PENNVEST PROJECTS

Municipalities that propose to implement their official sewage facilities plan updates with PENNVEST funds must meet six additional requirements to be eligible for such funds. See Appendix N for greater detail, Contact the DEP regional office serving your county listed in Appendix J.

| DEP<br>Use<br>Only | Plan<br>Page No. | Item Required   |
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| _____              | <u>N/A</u>       | <p>1. Environmental Impact Assessment. (Planning Phase)</p> <p>Items a, b, c, e and g of the Environmental Impact Assessment requirement are eligible for Act 537 grant participation to the extent of identification of a <u>potential</u> impact. Studies required to determine impact, to mitigate impact and to obtain permits are not eligible for Act 537 grant participation. Such studies may be eligible for PENNVEST funding. Items d, f, h, i, j, k and l are not required by Chapter 71, but may be eligible for Act 537 grant participation when required for DEP approval of sewage facilities plan update revision.</p> <ul style="list-style-type: none"> <li>a. Historical and Archaeological Sites</li> <li>b. Wetlands</li> <li>c. Endangered and Protected Species</li> <li>d. Air Quality</li> <li>e. Floodplains</li> <li>f. Fish and Wildlife</li> <li>g. Agricultural Lands</li> <li>h. Wild and Scenic Rivers</li> <li>i. Coastal Zone Management</li> <li>j. Socio-Economic Impacts</li> <li>k. Water Supplies</li> <li>l. Other Environmentally Sensitive Areas</li> </ul> |
| _____              | <u>N/A</u>       | 2. Cost Effectiveness. (Planning Phase)   |
| _____              |                  | 3. Second Opinion Project Review. (Design Phase)  |
| _____              |                  | 4. Minority Business Enterprise/Women's Business Enterprise. (Construction Phase)   |
| _____              |                  | 5. Civil Rights. (Construction Phase)   |
| _____              |                  | 6. Initiation of Operation/Performance Certification. (Post-construction Phase)   |

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SECTION VI - ACT 537 PLAN ADDENDUM C

**Allen Township**  
**Northampton County**

**Act 537**  
**Official Sewer Plan**

August 9, 1999

**ADDENDUM C**

ADOPTED APRIL 12, 2001

Prepared By

Hanover Engineering Assoc., Inc.  
252 Brodhead Road, Suite 100  
Bethlehem, PA 18017

## PLAN SUMMARY

Allen Township's sanitary sewer systems, whether on-lot systems or public systems, have been evaluated for many years to determine what areas need to be improved. A majority of the Township's older single family homes use on-lot septic systems, but newer developments have been utilizing the public sewer systems that connect to the Borough of Northampton's wastewater treatment plant. Allen Township does not have a wastewater treatment plant. The Borough of Northampton's treatment plant, which is located southwest of the Township, has the capacity to serve several specific areas in Allen Township by gravity flow, as stated in the Borough of Northampton's Act 537 Plan Update, dated January, 1998, as approved by DEP. The Catasauqua treatment plant also has the capacity to service areas of Allen Township.

1. One of the areas in Allen Township that is served by the Borough of Northampton's wastewater treatment plant is Northampton Heights, a residential development built in the 1960's, located just north of the Borough of Northampton. Northampton Heights was designed to connect to the Borough's Wastewater Treatment System by means of a gravity line. Northampton Heights was the first section to be constructed of the undeveloped residential zoned area owned by Mr. Louis Tepes, Sr. in that part of Allen Township. Northampton Heights was also the most elevated portion of the land allowing for the installation of a gravity line. During construction of this development, the Borough of Northampton denied the developer access to public water and sewer facilities due to overloaded conditions at the treatment plant. Consequently, the D.E.P. required holding tanks be installed for Northampton Heights until proper connection to the public system was possible.

In 1993 the North Hills subdivision, which is located between Northampton Heights and the Borough of Northampton, began construction. Along with this construction, the sanitary line that was required to connect Northampton Heights to the Borough's system was installed. A tapping fee was required for the connection of the existing residential houses in the Northampton Heights subdivision, which the homeowners were required to pay. Currently North Hills, Phase II is under construction and will also be serviced by a gravity line connection to the Borough's system.

2. The Allen Township Act 537 plan analyzes the procedure and cost for supplying two of the most critical areas of Allen Township in need of public sewer, Drexel Heights and Atlas Heights. Drexel Heights is a development that was built in the 1960's and 1970's and utilizes on-lot septic systems. The Atlas Heights area dates back to the turn of the century. These developments have reported malfunctions and other related problems associated with the on-lot septic systems, as stated in the Study of Needs, Exhibit B, dated April 10, 1997. Drexel Heights and Atlas Heights contain relatively small lots, therefore, malfunctioning systems create serious problems for this development and a necessity for public sewer, since alternate system locations are difficult to locate.

In this service area there is also a need for public sewer service to serve proposed developments.

The proposed area to be included in this Act 537 plan is shown on Exhibits A and B of Addendum C (see attached).

By connecting these areas, the existing problem areas of Atlas Heights and Drexel Heights will be served. This sewer extension also allows future developments to connect to the system, which in turn lowers the cost for existing residents.

3. Additionally, this Act 537 includes planning for the industrial area south of Route 329 within the Hokendauqua Creek watershed, primarily owned by Horwith Leasing. This area contains several existing buildings with reported on-lot malfunctions. Also, the Horwith's plan on constructing a restaurant, bank, and strip mall on the site. A small collection system and pump station is proposed to pump the sewage under the Hokendauqua Creek to the Borough of Northampton's collection system. The funding for this small extension is to be entirely private funding.

Numerous feasibility studies have been conducted in attempt to design a sewer collection system that would connect certain problem areas of Allen Township to a public sewer system. A compilation of past studies has been organized and titled Compilation of Previous Sewer Feasibility Studies, dated May 27, 1997 and will be used as part of this Act 537 Plan. Most of the past studies have examined the possibility of connecting to the Borough of Northampton's sanitary sewer system. Using these studies as a base, four options were explored for servicing the problem areas stated. Alternative 4 (Northampton connection) was chosen as the most feasible.

Alternative 4 would connect the areas stated above to the Borough of Northampton's wastewater treatment plant. This alternative would allow gravity collection of the said areas of Allen Township. There will be two main interceptors. The Dry Run Interceptor will flow to the a manhole in the Borough of Northampton south of the Dry Run Creek and west of Howertown Road. The Railroad Interceptor will continue from it's current termination point in Atlas Estates (Allen Township) to Seemsville Road. The total 5 year projected flow for Alternative 1 is 432.6 EDU's.

Alternative 4 was chosen for it's economical benefits and broad service area. Negotiations are being finalized on an agreement between the Borough of Northampton and Allen Township to handle the wastewater from Allen Township.

User fees would be needed to provide the funding for the construction of the interceptor and service laterals and to provide normal operation and maintenance for the sanitary sewer system. A portion of the construction costs would be financed over a twenty (20) year period. Short term financing will be required to help early cash flow while tapping fees are being collected.

#### COSTS FOR ALTERNATIVE 4 – NORTHAMPTON CONNECTION

|                  |            |
|------------------|------------|
| TAPPING FEE:     | \$3000.00  |
| ANNUAL USER FEE: | \$ 480.00* |

\* Based on using 260 gallons per day

The following is a chronological outline of major project milestones with tentative dates:

| MAJOR MILESTONES  | DATES                     |
|---|---------------------------|
| Sign Agreement with Northampton   | February 2001             |
| Design Public Sewer System  | March 2001                |
| Receive Sewer Contribution from Wynne Field Estates                           | May 2001                  |
| Receive guarantee from John Krapf for construction of his portion of the line | April 2001                |
| Acquire All Necessary Easements   | May 2001                  |
| Construct Phase 1   | June 2001 – October 2001  |
| Obtain Loan for Phase 2   | March 2002                |
| Construct Phase 2   | April 2002 – October 2002 |
| Payoff Remaining Principal on Phase 2 Loan (if possible)                      | December 2003             |
| Obtain Loan for Phase 3   | March 2004                |
| Construct Phase 3   | April 2004 – October 2004 |
| Issue Notices to Connect to Public Sewer for Phase 3                          | October 2004              |
| Obtain Loan for Phase 4   | March 2005                |
| Construct Phase 4   | April 2005 – October 2005 |
| Issue Notices to Connect to Public Sewer for Phase 4                          | October 2005              |
| Undertake Study of Needs for Kreidersville, Seemsville and E. Allen Gardens   | January 2006              |

Table 1 - Major Milestones with Dates

Please see the supporting documentation for outside agency review, draft resolution, and other required documentation.

INTRODUCTION

The purpose of this amendment is to offer a new option that was not presented at the time of the preparation of the Township's current Act 537 Plan dated August 9, 1999, which was approved by DEP February 4, 2000. This new option is considered to be an additional option, which will be referred to as Alternative 4. This option proposes connecting to the Borough of Northampton at two different points. The upper portion would connect to the Railroad Interceptor within Allen Township. The lower portion would connect to the Northampton Borough's collection system at a manhole to the west of Howertown Road within the Borough and south of the Dry Run Creek.

The Borough of Northampton has recently indicated a willingness to decrease the amount of their tapping fee to \$1,500.00 per EDU. This enables the Township to keep a larger portion of their tapping fee (\$3,000.00 per EDU) than what was previously offered by the Borough, thereby allowing a greater portion of the tapping fee to be applied to the Township's collection system.

SUMMARY

The following is a chronological outline of major project milestones with tentative dates:

| MAJOR MILESTONES  | DATES                     |
|---|---------------------------|
| Sign Agreement with Northampton   | February 2001             |
| Design Public Sewer System  | March 2001                |
| Receive Sewer Contribution from Wynne Field Estates                           | May 2001                  |
| Receive guarantee from John Krapf for construction of his portion of the line | April 2001                |
| Acquire All Necessary Easements   | May 2001                  |
| Construct Phase 1   | June 2001 – October 2001  |
| Obtain Loan for Phase 2   | March 2002                |
| Construct Phase 2   | April 2002 – October 2002 |
| Payoff Remaining Principal on Phase 2 Loan (if possible)                      | December 2003             |
| Obtain Loan for Phase 3   | March 2004                |
| Construct Phase 3   | April 2004 – October 2004 |
| Issue Notices to Connect to Public Sewer for Phase 3                          | October 2004              |
| Obtain Loan for Phase 4   | March 2005                |
| Construct Phase 4   | April 2005 – October 2005 |
| Issue Notices to Connect to Public Sewer for Phase 4                          | October 2005              |
| Undertake Study of Needs for Kreidersville, Seemsville and E. Allen Gardens   | January 2006              |

Table 2 - Major Milestones with Dates

SERVICE AREA

Since the previous submission of the Act 537 plan, the general dynamic of development within Allen Township has changed. The availability of public sewer has generated a much more aggressive development pattern within the portions of the Township zoned for residential and industrial development. Therefore, the Township now has a more realistic view of what the sewage flows will be for the 5 and 10 year periods. As mentioned above, this Alternative consists of two service areas, everything north of the Railroad Interceptor and everything south of it. Exhibits A and B show the respective service areas.

A. DRY RUN INTERCEPTOR

The Dry Run Interceptor will be the first to be constructed. This area consists, essentially, of all development. Five and ten year flows are projected as follows:

| AREA                   | 5-YEAR PROJECTED EDU'S TO SYSTEM | 5-YEAR PROJECTED FLOW TO SYSTEM (GPD) |
|------------------------|----------------------------------|---------------------------------------|
| WYNNE FIELD ESTATES    | 50                               | 13,000                                |
| SUNNY SLOPE FARMS      | 70                               | 18,200                                |
| OTHER JAINDL           | 30                               | 7,800                                 |
| CATASAUQUA HIGH SCHOOL | 15.6                             | 4,050                                 |
| DEICHMEISTER           | -                                | -                                     |
| WILLOWBROOK FARMS      | -                                | -                                     |
| FOULCK                 | -                                | -                                     |
| TOTAL                  | 165.6                            | 43,050                                |

Table 2 - 5-Year Flows to Dry Run Interceptor

| AREA                   | 10-YEAR PROJECTED EDU'S TO SYSTEM | 10-YEAR PROJECTED FLOW TO SYSTEM (GPD) |
|------------------------|-----------------------------------|--|
| WYNNE FIELD ESTATES    | 107                               | 27,820                                 |
| SUNNY SLOPE FARMS      | 142                               | 36,920                                 |
| OTHER JAINDL           | 230                               | 59,800                                 |
| CATASAUQUA HIGH SCHOOL | 15.6                              | 4,050                                  |
| DEICHMEISTER           | 40                                | 10,400                                 |
| WILLOWBROOK FARMS      | 125                               | 32,500                                 |
| FOULCK                 | 10                                | 2,600                                  |
| TOTAL                  | 669.6                             | 174,090                                |

Table 3 - 10-Year Flows to Dry Run Interceptor

Of the above developments, Wynne Field Estates has received conditional approval, Sunny Slope Farms has been submitted for Township approval, and Catasauqua High School has

received conditional use approval. The other Jaindl amount reflects a request from the Jaindl Land Co. for an additional 60,000 GPD capacity to serve their remaining lands within the Township south of Route 329.

**B. RAILROAD INTERCEPTOR**

The upper service area will serve a near equal part of existing uses and proposed uses.

| AREA                         | 5-YEAR PROJECTED EDU'S TO SYSTEM | 5-YEAR PROJECTED FLOW TO SYSTEM (GPD) |
|------------------------------|----------------------------------|---------------------------------------|
| ATLAS HEIGHTS                | 29                               | 7,540                                 |
| COUNTY PROPERTY              | -                                | -                                     |
| KRAPF                        | -                                | -                                     |
| HORWITH (SOUTH OF ROUTE 329) | -                                | -                                     |
| RECREATION BUILDING          | 1                                | 260                                   |
| HORWITH (NORTH OF ROUTE 329) | -                                | -                                     |
| KOPPER PENNY/ACE HARDWARE    | 5                                | 1,300                                 |
| DREXEL HEIGHTS               | 126                              | 32,760                                |
| NORTHAMPTON HIGH SCHOOL      | 69                               | 17,940                                |
| WEAVERSVILLE AREA            | -                                | -                                     |
| TOTAL                        | 230                              | 59,800                                |

**Table 4 - 5-Year Flows to Railroad Interceptor**

| AREA                         | 10-YEAR PROJECTED EDU'S TO SYSTEM | 10-YEAR PROJECTED FLOW TO SYSTEM (GPD) |
|------------------------------|-----------------------------------|--|
| ATLAS HEIGHTS                | 32                                | 8,320                                  |
| COUNTY PROPERTY              | 25                                | 6,500                                  |
| KRAPF                        | 210                               | 54,600                                 |
| HORWITH (SOUTH OF ROUTE 329) | 96                                | 24,960                                 |
| RECREATION BUILDING          | 1                                 | 260                                    |
| HORWITH (NORTH OF ROUTE 329) | 162                               | 42,120                                 |
| KOPPER PENNY/ACE HARDWARE    | 5                                 | 1,300                                  |
| DREXEL HEIGHTS               | 126                               | 32,760                                 |
| NORTHAMPTON HIGH SCHOOL      | 69                                | 27,560                                 |
| WEAVERSVILLE AREA            | 103                               | 26,780                                 |
| TOTAL                        | 829                               | 215,540                                |

**Table 5 - 10-Year Flows to Railroad Interceptor**

Ultimate Service Area – The ultimate service area for the Dry Run Watershed will be the ridge lines of the watershed. Sewer for any other area with the Dry Run Watershed than what is shown in this plan will have to be extended by the Developers of any proposed project. The ultimate sewage flow from the Dry Run Watershed is identified in the approved Northampton Borough Act 537 Plan as 605,660 GPD.

C. HORWITH/HOKENDAUQUA WATERSHED

The area to be serviced by the proposed pump station includes the area shown on Exhibit G. The proposed flow for this area is as follows:

| AREA                            | FLOW (GPD) |
|---------------------------------|------------|
| EXISTING USES                   |            |
| WOLFERS                         | 315        |
| HORWITH<br>(1449 NOR-BATH BLVD) | 118        |
| HORWITH<br>(1330 NOR-BATH BLVD) | 1,785      |
| HORWITH<br>(1440 NOR-BATH BLVD) | 238        |
| PROPOSED USES                   |            |
| BANK                            | 120        |
| RESTAURANT                      | 2,550      |
| STRIP MALL                      | 3,200      |
| TOTAL                           | 8,325      |

Table 6 – Proposed Flows to Pump Station

In the future, this area could be incorporated into a Hokendauqua watershed interceptor which could flow directly into the Northampton treatment plant. However, since current malfunctions require more immediate action than the entire watershed, a small pump station is proposed to serve the existing and proposed uses. Northampton Borough has provided a letter certifying capacity in its conveyance and treatment facilities for this extension.

CONSISTENCY ANALYSIS

Exhibit C shows Dry Run Creek and the 100-year floodplain. Also there are no delineated wetlands on the National Wetland Inventory (NWI) mapping within the proposed collection area. Any creek or wetlands crossing will require permitting from DEP.

Exhibit D shows the delineation of the soils in the planning area and Exhibit E shows the soils limitations for supporting the use of on-lot septic systems. Information regarding soils and soil characteristics were taken from the Soil Survey of Northampton County, Pennsylvania. The following soils have been identified in the proposed gravity sewer system area according to the Soil Survey of Northampton County, Pennsylvania:

- Clarksburg (ClB)
- Duffield (DuB)
- Middlebury (Mb)
- Ryder (RyC)
- Urban Land (UrA), (UrC)

Clarksburg, Middlebury, Ryder and Urban Land (UrC) are all soil types that are classified as having "severe" limitations to adequately handling septic tank absorption fields. Urban Land (UrA) is classified as having "variable" limitations to adequately handle septic tank

absorption fields and "moderately slow permeability" is listed as another characteristic. Therefore, it is considered for this study that Urban Land (UrA) has "Severe" limitations in respect to utilizing septic tanks.

Attached to this report are notifications to PNDI & PHMC.

## COST ANALYSIS

Exhibit F contains a phasing plan and detailed cost projections for the construction of each phase. To summarize, the phases are as follows:

| PHASE | DESCRIPTION  | FINANCIAL RESPONSIBILITY                           |
|-------|--|--|
| 1     | Dry Run Interceptor  | Allen Township                                     |
| 2A    | Railroad Interceptor<br>Atlas Estates to Savage Road           | Northampton School District                        |
| 2B    | Railroad Interceptor<br>Savage Road to Recreation Building     | Materials – Allen Township<br>Installation – Krapf |
| 2C    | Railroad Interceptor<br>Recreation Building to Seemsville Road | Northampton School District                        |
| 3     | Atlas Heights  | Allen Township                                     |
| 4     | Drexel Heights   | Allen Township                                     |

**Table 6 – Phasing Plan**

For purposes of cost analysis, the entire system was analyzed. If analyzed separately, the upper portion is not economically feasible. The tapping fees from the lower portions are needed to make the upper portion feasible.

Costs were calculated using the same system as the earlier cost estimates. However, since that time, through bidding of similar projects, revised unit prices were discovered and used for this analysis. Additionally, for the Phasing Plan, more conservative numbers were used for growth than what is shown on the above charts to ensure financial stability of the system. Cost analyses are provided at the end of this report. Exhibit F shows a schematic of the proposed collection system.

Cost analysis was not performed for the Horwith sewer because the infrastructure will be paid solely by the private land owner.

## PIPE CALCULATIONS

The Railroad Interceptor within Allen Township will be 15" PVC with a minimum slope of 0.0015 ft/ft. This gives a peak instantaneous capacity of 1,674,764 GPD, or an average daily capacity of 669,906 GPD when using a peak factor of 2.5. The Dry Run Interceptor will be 8" PVC with a minimum slope of 0.0040 ft/ft. This gives a peak instantaneous capacity of 492,243 GPD, or an average daily capacity of 196,897 GPD when using a peak factor of 2.5.

The Horwith Sewer will consist of 8" PVC with a minimum slope of 0.0040 ft/ft and 3" force main with a maximum capacity of 317,260 GPD (velocity = 10 fps).

## CONCLUSION

The Borough of Northampton option is now the chosen alternative. There are several points which make this option more desirable than the previously chosen North Catasauqua

options. The first advantage is that there are no pump stations involved in this alternative. By eliminating the need for a pump station, the Township/Authority no longer needs to plan for construction, operation, and maintenance of the pump station. Also, the Borough has indicated that they have capacity for the 10-year flow as stated in this plan. The Borough of North Catasauqua was only able to commit a capacity of 100,000 GPD at this time.

ALLEN TOWNSHIP  
BOROUGH OF NORTHAMPTON

WYNNE  
FIELD  
ESTATES  
27,820 GPD

FOULCK  
2,600 GPD

SUNNY  
SLOPE  
FARMS  
36,920 GPD

JAINDL  
57,800 GPD

CATASAUQUA  
HIGH  
SCHOOL  
4,050 GPD

REICHMEISTER  
10,400 GPD

WILLOWBROOK FARMS  
31,200 GPD

10-YR FLOW PROJECTIONS  
DRY RUN INTERCEPTOR

REVISIONS

ACT 537 AMENDMENT

PROJECT NO.  
**A01-06**  
BASED.WG

DRAWN BY  
EAH

CHECKED BY  
BRK

DATE  
2-08-01

SCALE  
1" = 600'

ALLEN TOWNSHIP  
NORTHAMPTON COUNTY  
PENNSYLVANIA

SHEET NO.  
**EXHIBIT A**  
(11-12)

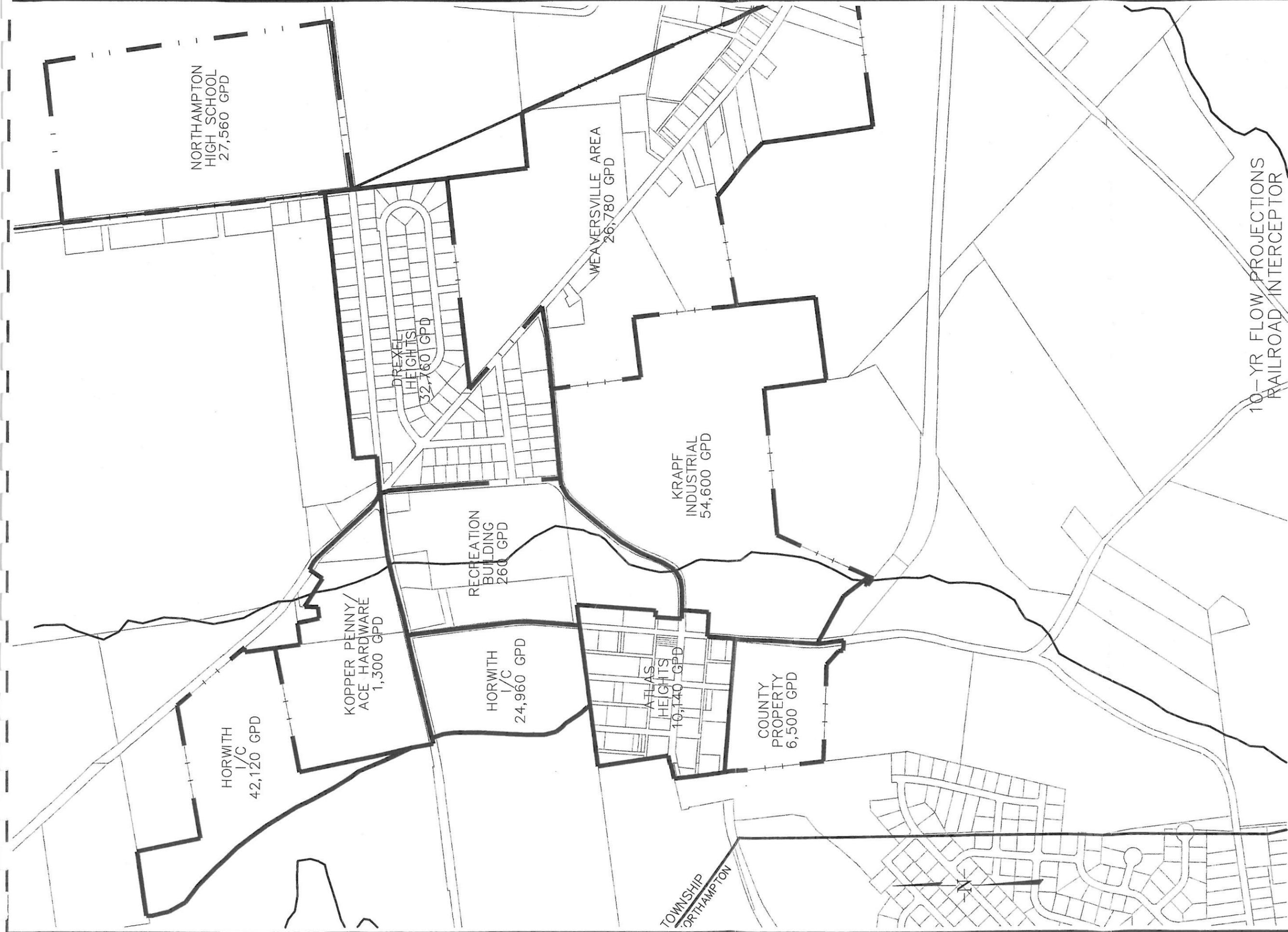


GRAPHIC SCALE

**HANOVER ENGINEERING**  
ASSOCIATES, INC.

3897 ADLER PLACE, STE. 350  
BETHLEHEM, PA. 18017

SEAL



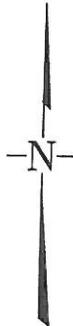
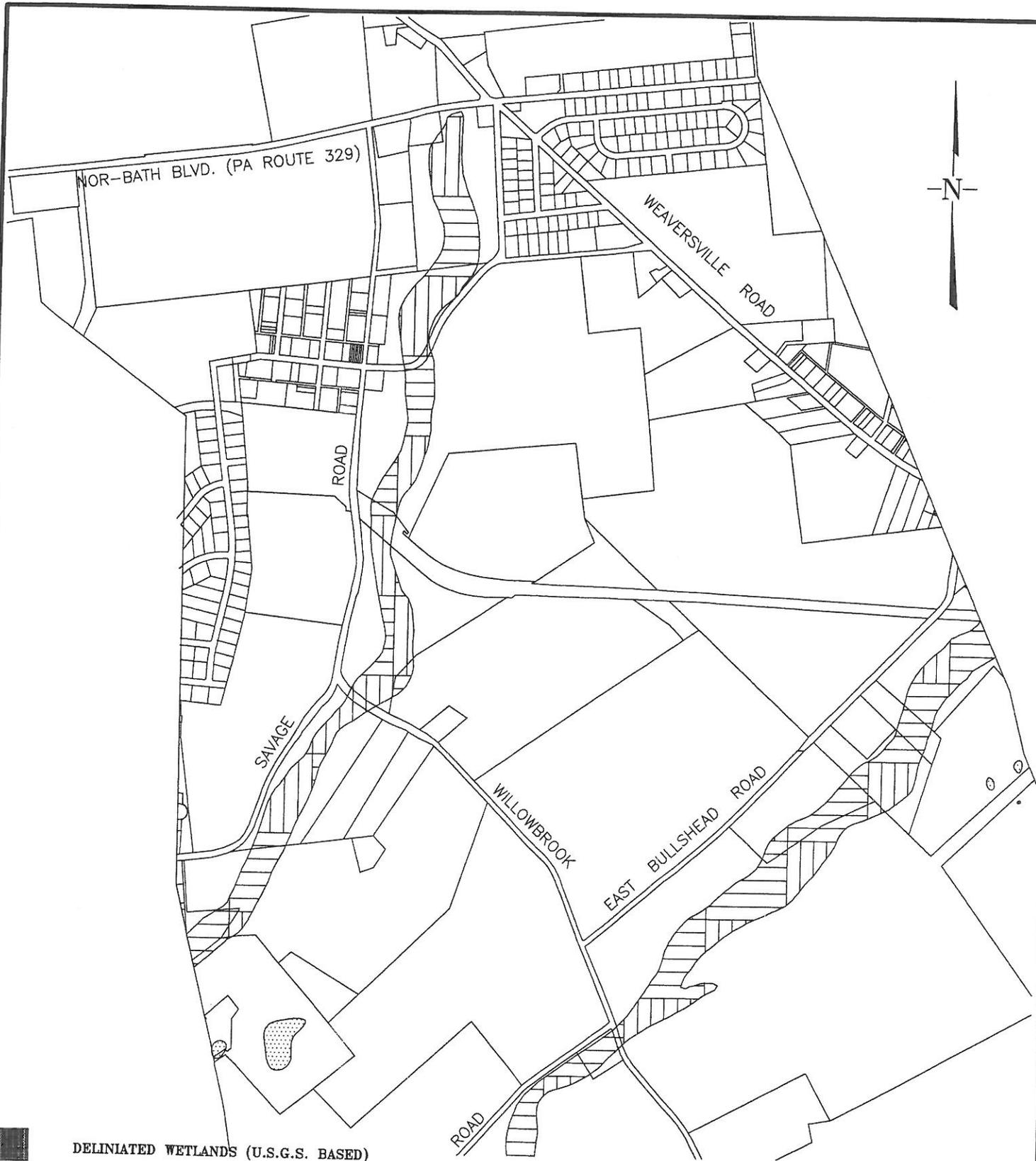
10-YR FLOW PROJECTIONS  
RAILROAD INTERCEPTOR

|  |                    |           |                   |
|--|--------------------|-----------|-------------------|
| PROJECT NO.<br><b>A01-06</b><br><small>BASE.DWG</small>        | DRAWN BY<br>EAH    | REVISIONS | ACT 537 AMENDMENT |
|  |                    |           |                   |
| SHEET NO.<br><b>EXHIBIT B</b><br><small>(VI-13)</small>        | DATE<br>2-08-01    |           |                   |
|  | SCALE<br>1" = 600' |           |                   |
| ALLEN TOWNSHIP<br>NORTHAMPTON COUNTY<br>PENNSYLVANIA           |                    |           |                   |
| <b>HANDOVER ENGINEERING</b><br><small>ASSOCIATES, INC.</small> |                    |           |                   |
| 252 BRODHEAD ROAD, SUITE 100<br>BETHLEHEM, PA. 18017           |                    |           |                   |



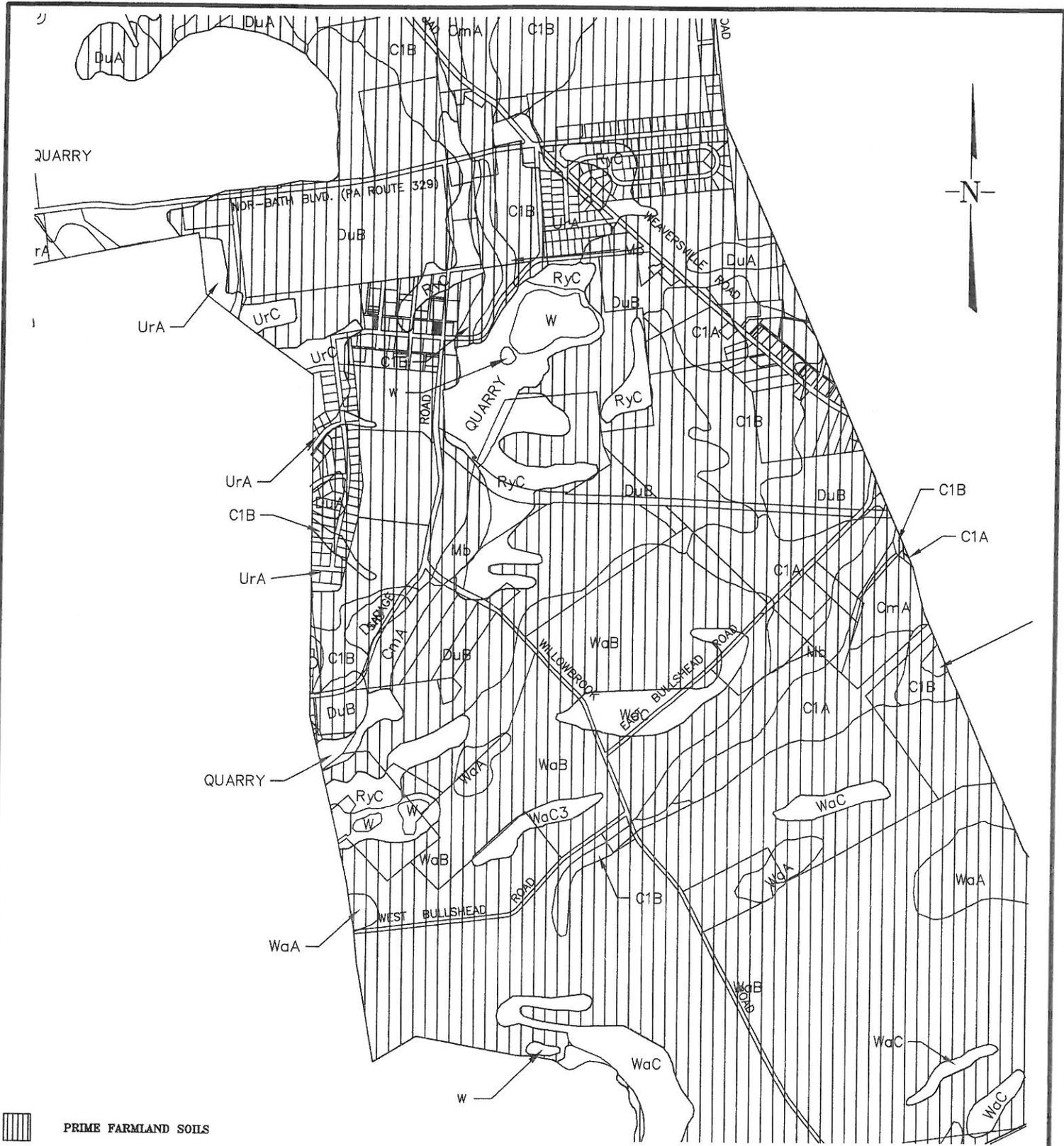
GRAPHIC SCALE

SEAL

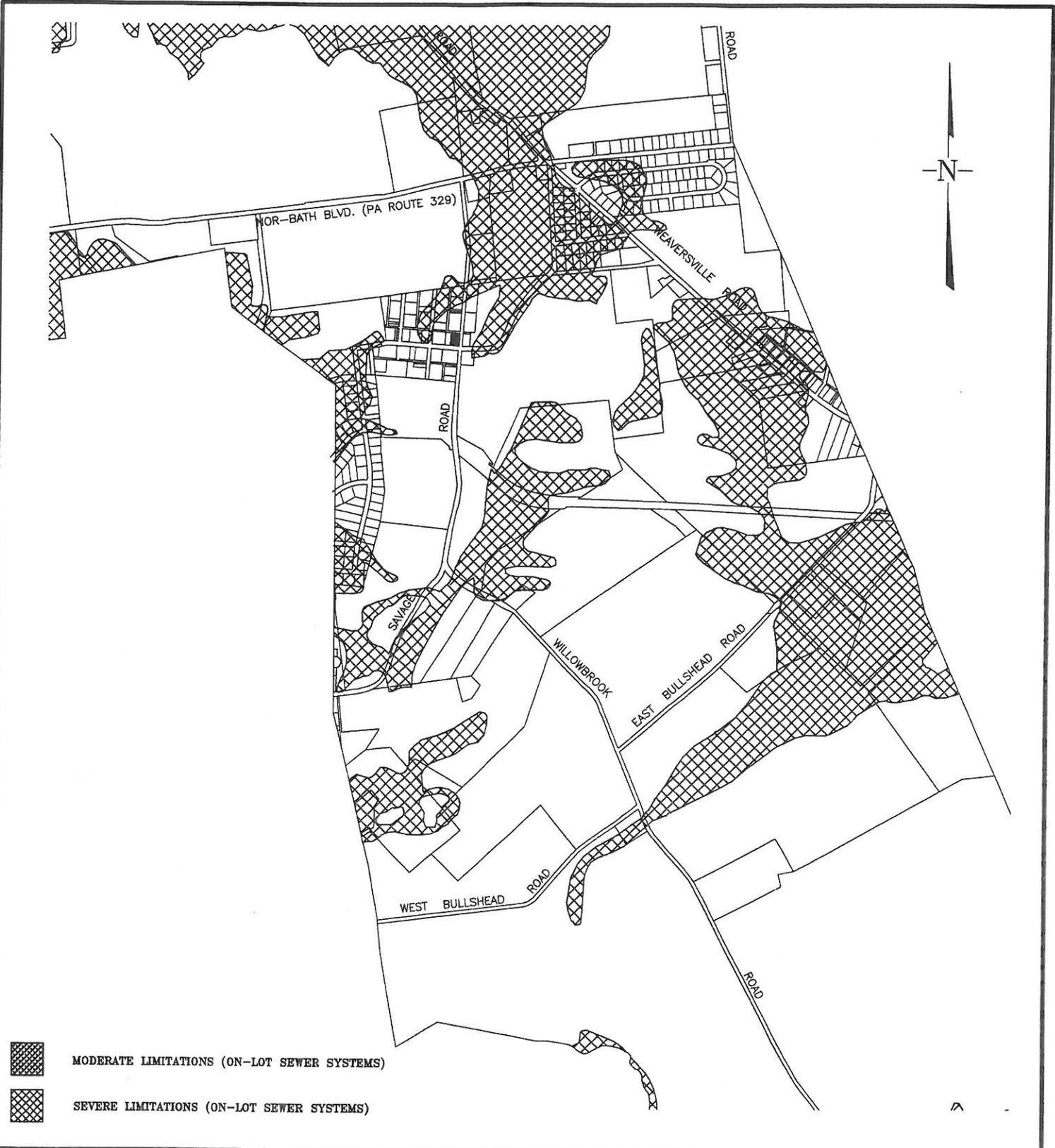


-  DELINIATED WETLANDS (U.S.G.S. BASED)
-  FEMA FLOODPLAINS

|  |   |  |
|--|---|--|
| <b>ACT 537 AMENDMENT</b>                             |   | PROJECT NO.<br><b>A01-06</b>                         |
| ALLEN TOWNSHIP<br>NORTHAMPTON COUNTY<br>PENNSYLVANIA |   | 0000.DWG<br>SHEET NO.<br><b>EXHIBIT C</b><br>(VI-14) |
| DRAWN BY<br>EAH                                      | CHECKED BY<br>BRK   | DATE<br>2-01-01                                      |
| SCALE<br>N.T.S.                                      | <b>HANDOVER ENGINEERING</b><br>ASSOCIATES, INC.      252 BRODHEAD ROAD, SUITE 100<br>BETHLEHEM, PA. 18017 |  |

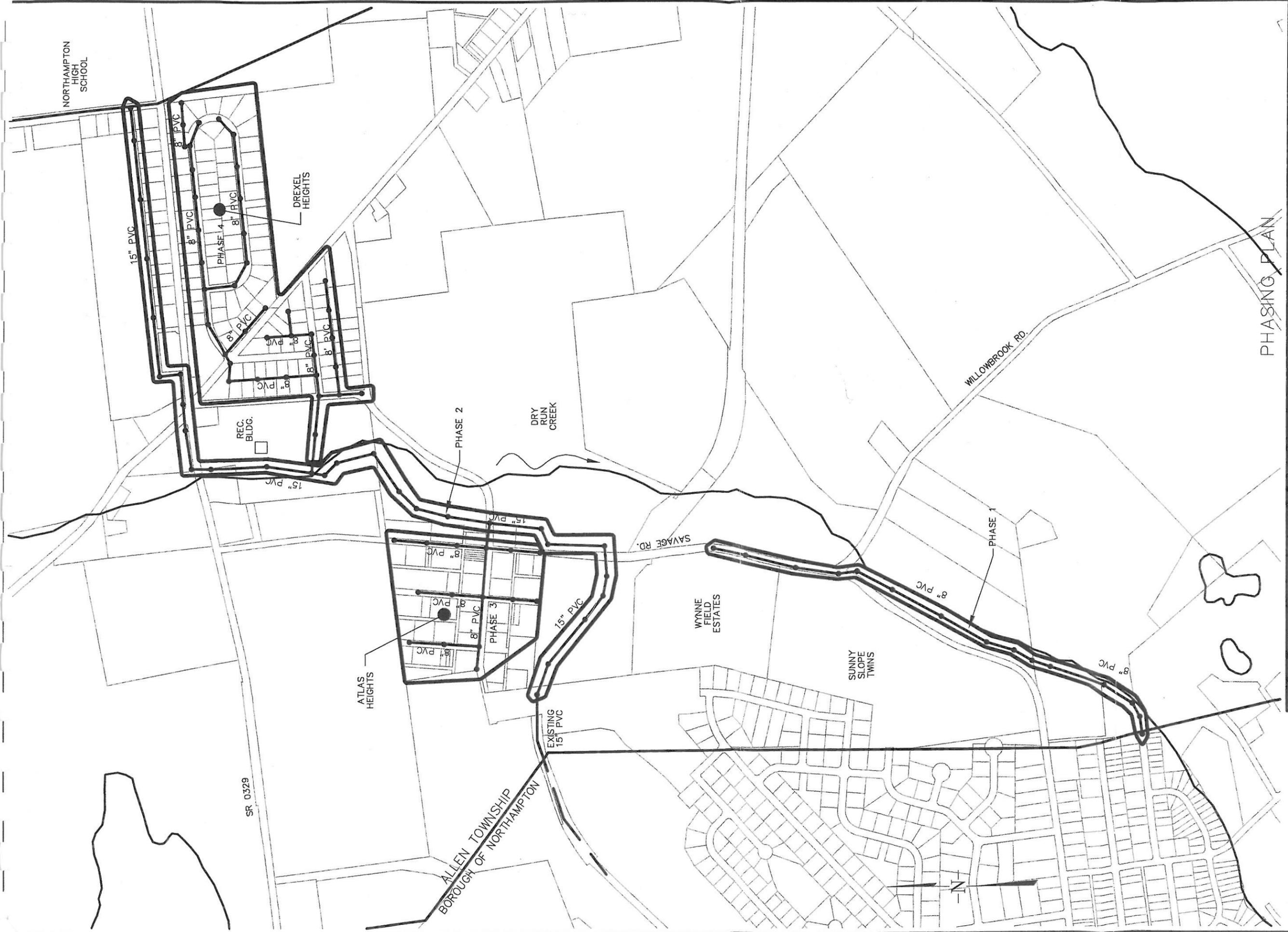


|  |  |  |                             |
|--|--|--|-----------------------------|
| <b>ACT 537 AMENDMENT</b>                             |  | <b>PROJECT NO.</b><br>A01-06                         |                             |
| ALLEN TOWNSHIP<br>NORTHAMPTON COUNTY<br>PENNSYLVANIA |  | <b>DRAWN BY</b><br>EAH                               | 0000.DWG                    |
|  |  | <b>CHECKED BY</b><br>BRK                             | <b>SHEET NO.</b>            |
|  |  | <b>DATE</b><br>2-01-01                               | <b>EXHIBIT D</b><br>(VI-15) |
|  |  | <b>SCALE</b><br>NTS                                  |                             |
| <b>HANDOVER ENGINEERING</b><br>ASSOCIATES, INC.      |  | 252 BRODHEAD ROAD, SUITE 100<br>BETHLEHEM, PA. 18017 |                             |



-  MODERATE LIMITATIONS (ON-LOT SEWER SYSTEMS)
-  SEVERE LIMITATIONS (ON-LOT SEWER SYSTEMS)

|  |  |  |                             |
|--|--|--|-----------------------------|
| <b>ACT 537 AMENDMENT</b>                             |  | <b>PROJECT NO.</b><br>A01-06                         |                             |
| ALLEN TOWNSHIP<br>NORTHAMPTON COUNTY<br>PENNSYLVANIA |  | <b>DRAWN BY</b><br>EAH                               | 0000.DWG                    |
|  |  | <b>CHECKED BY</b><br>BRK                             | <b>SHEET NO.</b>            |
|  |  | <b>DATE</b><br>2-01-01                               | <b>EXHIBIT E</b><br>(VI-16) |
|  |  | <b>SCALE</b><br>NTS                                  |                             |
| <b>HANDOVER ENGINEERING</b><br>ASSOCIATES, INC.      |  | 252 BRODHEAD ROAD, SUITE 100<br>BETHLEHEM, PA. 18017 |                             |



PHASING PLAN

|  |                    |
|--|--------------------|
| PROJECT NO.<br><b>A01-06</b><br>BASE.DWG | DRAWN BY<br>EAH    |
|  | CHECKED BY<br>BRK  |
| SHEET NO.<br><b>EXHIBIT F</b><br>(VI-17) | DATE<br>1-31-01    |
|  | SCALE<br>1" = 600' |

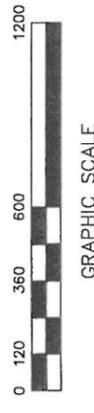
REVISIONS  
4-11-01

ACT 537 AMENDMENT

ALLEN TOWNSHIP  
NORTHAMPTON COUNTY  
PENNSYLVANIA

**HANDOVER ENGINEERING**  
ASSOCIATES, INC.

252 BRODHEAD ROAD, SUITE 100  
BETHLEHEM, PA. 18017



GRAPHIC SCALE

SEAL

**NORTHAMPTON BOROUGH SANITARY SEWER CONNECTION OPTION**

**ESTIMATED PROJECT COSTS (TO TOWNSHIP) AND BUDGET**

|   |                 |           |                     |
|---|-----------------|-----------|---------------------|
| COLLECTION SYSTEMS  |                 |           |                     |
| PHASE 1   |                 |           | \$ 179,790.00       |
| PHASE 2-A   |                 |           | \$ 37,953.50        |
| PHASE 2-B   |                 |           | \$ 55,302.00        |
| PHASE 2-C   |                 |           | \$ 327,080.00       |
| PHASE 3   |                 |           | \$ 258,622.00       |
| PHASE 4   |                 |           | \$ 699,361.00       |
| CONSTRUCTION SUB-TOTAL INCLUDING<br>ENGINEERING AND CONTINGENCIES |                 |           | \$ 1,558,108.50     |
| TAPPING FEES TO NORTHAMPTON BOROUGH                               |                 |           |                     |
| SCHOOLS   |                 | 85        |                     |
| NEW HOMES   |                 | 126       |                     |
| ATLAS HEIGHTS   |                 | 29        |                     |
| DREXEL HEIGHTS  |                 | 126       |                     |
|   | \$1,500 PER EDU | 366 EDU'S | + \$ 549,000.00     |
| TOTAL COST  |                 |           | \$ 2,107,108.50     |
| DEVELOPER CONTRIBUTIONS   |                 |           |                     |
| WYNNE FIELD   |                 |           | \$ 164,000.00       |
| NORTHAMPTON SCHOOL DISTRICT                                       |                 |           | \$ 327,080.00       |
| TOTAL DEVELOPER CONTRIBUTIONS                                     |                 |           | - \$ 491,080.00     |
| TAPPING FEE   | \$3,000 PER EDU | 297 EDU'S | - \$ 1,070,400.00   |
| AMOUNT TO BE FINANCED @ 6.00%<br>FOR 20 YEARS<br>0.08718          |                 |           | \$ 545,628.50       |
| <b>ANNUAL PAYMENT</b>   |                 |           | <b>\$ 47,567.89</b> |
| ANNUAL PAYMENT PER EDU  |                 |           | \$ 129.97           |
| OPERATION AND MAINTENANCE   |                 |           | + \$ 50.00          |
| BOUROUGH TREATMENT PAYMENT  |                 |           | + \$ 300.00         |
| TOTAL ANNUAL USER FEES PER EDU                                    |                 |           | \$ 479.97           |
| <b>COST PER MONTH PER EDU</b>                                     |                 |           | <b>\$ 40.00</b>     |

**PHASE 1**  
**DRY RUN INTERCEPTOR - NORTHAMPTON TO WYNNE FIELD**

| <u>ITEM</u>             | <u>UNIT</u> | <u>NO. UNITS</u> | <u>UNIT COST</u> | <u>COST</u>          |
|-------------------------|-------------|------------------|------------------|----------------------|
| <b>MANHOLE</b>          | Ea.         | 16               | \$ 2,000.00      | \$ 32,000.00         |
| <b>PIPE</b>             |             |                  |                  |                      |
| <b>8" PVC</b>           |             |                  |                  |                      |
| ROADWAY                 | LF          | 915              | \$ 29.00         | \$ 26,535.00         |
| OTHER                   | LF          | 2435             | \$ 24.00         | \$ 58,440.00         |
| <b>15" PVC</b>          |             |                  |                  |                      |
| ROADWAY                 | LF          | 0                | \$ 39.00         | \$ -                 |
| OTHER                   | LF          | 0                | \$ 34.00         | \$ -                 |
| LATERAL                 | Ea.         | 0                | \$ 410.00        | \$ -                 |
| STREAM CROSSING         | Ea.         | 0                | \$ 10,000.00     | \$ -                 |
| PADOT ROW BORING        | Ea.         | 0                | \$ 20,000.00     | \$ -                 |
| <b>RESTORATION</b>      |             |                  |                  |                      |
| ROAD ROW                | LF          | 915              | \$ 10.00         | \$ 9,150.00          |
| PRIVATE                 | LF          | 2435             | \$ 5.00          | \$ 12,175.00         |
| EASEMENTS               | LF          | 0                | \$ 10.00         | \$ -                 |
| CONSTRUCTION ESTIMATE = |             |                  |                  | \$ 138,300.00        |
| 10% ENGINEERING         |             |                  |                  | \$ 13,830.00         |
| 20% CONTINGENCY         |             |                  |                  | \$ 27,660.00         |
| <b>PHASE 1 TOTAL</b>    |             |                  |                  | <b>\$ 179,790.00</b> |

**PHASE 2-A**  
**RAILROAD INTERCEPTOR - ATLAS ESTATES TO SAVAGE ROAD**

| <u>ITEM</u>             | <u>UNIT</u> | <u>NO. UNITS</u> | <u>UNIT COST</u> | <u>COST</u>         |
|-------------------------|-------------|------------------|------------------|---------------------|
| <b>MANHOLE</b>          | Ea.         | 6                | \$ 1,000.00      | \$ 6,000.00         |
| <b>PIPE</b>             |             |                  |                  |                     |
| <b>8" PVC</b>           |             |                  |                  |                     |
| ROADWAY                 | LF          | 0                | \$ 2.00          | \$ -                |
| OTHER                   | LF          | 0                | \$ 2.00          | \$ -                |
| <b>15" PVC</b>          |             |                  |                  |                     |
| ROADWAY                 | LF          | 30               | \$ 5.30          | \$ 159.00           |
| OTHER                   | LF          | 1120             | \$ 5.30          | \$ 5,936.00         |
| LATERAL                 | Ea.         | 0                | \$ 410.00        | \$ -                |
| STREAM CROSSING         | Ea.         | 0                | \$ 10,000.00     | \$ -                |
| PADOT ROW BORING        | Ea.         | 0                | \$ 20,000.00     | \$ -                |
| ROCK CONTINGENCY        | LS          | 1                | \$ -             | \$ -                |
| <b>RESTORATION</b>      |             |                  |                  |                     |
| ROAD ROW                | LF          | 30               | \$ 10.00         | \$ 300.00           |
| PRIVATE                 | LF          | 1120             | \$ 5.00          | \$ 5,600.00         |
| EASEMENTS               | LF          | 1120             | \$ 10.00         | \$ 11,200.00        |
| CONSTRUCTION ESTIMATE = |             |                  |                  | \$ 29,195.00        |
| 10% ENGINEERING         |             |                  |                  | \$ 2,919.50         |
| 20% CONTINGENCY         |             |                  |                  | \$ 5,839.00         |
| <b>PHASE 2-A TOTAL</b>  |             |                  |                  | <b>\$ 37,953.50</b> |

INITIAL COST TO BE PAID BY NORTHAMPTON SCHOOL DISTRICT. SCHOOL DISTRICT WILL RECEIVE DEVELOPER CONSTRUCTION REIMBURSEMENT AS ADDITIONAL USERS COME ONLINE

**PHASE 2-B**  
**RAILROAD INTERCEPTOR - SAVAGE ROAD TO RECREATION BUILDING**

| <u>ITEM</u>             | <u>UNIT</u> | <u>NO. UNITS</u> | <u>UNIT COST</u> | <u>COST</u>         |
|-------------------------|-------------|------------------|------------------|---------------------|
| MANHOLE                 | Ea.         | 6                | \$ 1,000.00      | \$ 6,000.00         |
| <b>PIPE</b>             |             |                  |                  |                     |
| <b>8" PVC</b>           |             |                  |                  |                     |
| ROADWAY                 | LF          | 0                | \$ 2.00          | \$ -                |
| OTHER                   | LF          | 0                | \$ 2.00          | \$ -                |
| <b>15" PVC</b>          |             |                  |                  |                     |
| ROADWAY                 | LF          | 30               | \$ 5.30          | \$ 159.00           |
| OTHER                   | LF          | 2970             | \$ 5.30          | \$ 15,741.00        |
| LATERAL                 | Ea.         | 4                | \$ 410.00        | \$ 1,640.00         |
| STREAM CROSSING         | Ea.         | 1                | \$ 10,000.00     | \$ 10,000.00        |
| PADOT ROW BORING        | Ea.         | 0                | \$ 20,000.00     | \$ -                |
| <b>RESTORATION</b>      |             |                  |                  |                     |
| ROAD ROW                | LF          | 0                | \$ 10.00         | \$ -                |
| PRIVATE                 | LF          | 0                | \$ 5.00          | \$ -                |
| EASEMENTS               | LF          | 900              | \$ 10.00         | \$ 9,000.00         |
| CONSTRUCTION ESTIMATE = |             |                  |                  | \$ 42,540.00        |
| 10% ENGINEERING         |             |                  |                  | \$ 4,254.00         |
| 20% CONTINGENCY         |             |                  |                  | \$ 8,508.00         |
| <b>PHASE 2-B TOTAL</b>  |             |                  |                  | <b>\$ 55,302.00</b> |

**PHASE 2-C**  
**RAILROAD INTERCEPTOR - RECREATION BUILDING TO SEEMSVILLE ROAD**

| <u>ITEM</u>             | <u>UNIT</u> | <u>NO. UNITS</u> | <u>UNIT COST</u> | <u>COST</u>          |
|-------------------------|-------------|------------------|------------------|----------------------|
| <b>MANHOLE</b>          | Ea.         | 7                | \$ 2,000.00      | \$ 14,000.00         |
| <b>PIPE</b>             |             |                  |                  |                      |
| <b>8" PVC</b>           |             |                  |                  |                      |
| ROADWAY                 | LF          | 0                | \$ 29.00         | \$ -                 |
| OTHER                   | LF          | 0                | \$ 24.00         | \$ -                 |
| <b>15" PVC</b>          |             |                  |                  |                      |
| ROADWAY                 | LF          | 0                | \$ 39.00         | \$ -                 |
| OTHER                   | LF          | 2550             | \$ 34.00         | \$ 86,700.00         |
| LATERAL                 | Ea.         | 0                | \$ 410.00        | \$ -                 |
| STREAM CROSSING         | Ea.         | 0                | \$ 10,000.00     | \$ -                 |
| PADOT ROW BORING        | Ea.         | 1                | \$ 20,000.00     | \$ 20,000.00         |
| ROCK CONTINGENCY        | LS          | 1                | \$ 100,000.00    | \$ 100,000.00        |
| <b>RESTORATION</b>      |             |                  |                  |                      |
| ROAD ROW                | LF          | 30               | \$ 10.00         | \$ 300.00            |
| PRIVATE                 | LF          | 1120             | \$ 5.00          | \$ 5,600.00          |
| EASEMENTS               | LF          | 2500             | \$ 10.00         | \$ 25,000.00         |
| CONSTRUCTION ESTIMATE = |             |                  |                  | \$ 251,600.00        |
| 10% ENGINEERING         |             |                  |                  | \$ 25,160.00         |
| 20% CONTINGENCY         |             |                  |                  | \$ 50,320.00         |
| <b>PHASE 2-C TOTAL</b>  |             |                  |                  | <b>\$ 327,080.00</b> |

INITIAL COST TO BE PAID BY NORTHAMPTON SCHOOL DISTRICT. SCHOOL DISTRICT WILL RECEIVE DEVELOPER CONSTRUCTION REIMBURSEMENT AS ADDITIONAL USERS COME ONLINE

V1-22

**PHASE 3  
ATLAS HEIGHTS COLLECTION SYSTEM**

| <u>ITEM</u>             | <u>UNIT</u> | <u>NO. UNITS</u> | <u>UNIT COST</u> | <u>COST</u>          |
|-------------------------|-------------|------------------|------------------|----------------------|
| <b>MANHOLE</b>          | Ea.         | 15               | \$ 2,000.00      | \$ 30,000.00         |
| <b>PIPE</b>             |             |                  |                  |                      |
| <b>8" PVC</b>           |             |                  |                  |                      |
| ROADWAY                 | LF          | 3450             | \$ 29.00         | \$ 100,050.00        |
| OTHER                   | LF          | 0                | \$ 24.00         | \$ -                 |
| <b>15" PVC</b>          |             |                  |                  |                      |
| ROADWAY                 | LF          | 0                | \$ 39.00         | \$ -                 |
| OTHER                   | LF          | 0                | \$ 34.00         | \$ -                 |
| LATERAL                 | Ea.         | 29               | \$ 410.00        | \$ 11,890.00         |
| STREAM CROSSING         | Ea.         | 0                | \$ 10,000.00     | \$ -                 |
| PADOT ROW BORING        | Ea.         | 0                | \$ 20,000.00     | \$ -                 |
| <b>RESTORATION</b>      |             |                  |                  |                      |
| ROAD ROW                | LF          | 3450             | \$ 10.00         | \$ 34,500.00         |
| PRIVATE                 | LF          | 0                | \$ 5.00          | \$ -                 |
| EASEMENTS               | LF          | 2250             | \$ 10.00         | \$ 22,500.00         |
| CONSTRUCTION ESTIMATE = |             |                  |                  | \$ 198,940.00        |
| 10% ENGINEERING         |             |                  |                  | \$ 19,894.00         |
| 20% CONTINGENCY         |             |                  |                  | \$ 39,788.00         |
| <b>PHASE 3 TOTAL</b>    |             |                  |                  | <b>\$ 258,622.00</b> |

**PHASE 4  
DREXEL HEIGHTS COLLECTION SYSTEM**

| <u>ITEM</u>             | <u>UNIT</u> | <u>NO. UNITS</u> | <u>UNIT COST</u> | <u>COST</u>          |
|-------------------------|-------------|------------------|------------------|----------------------|
| <b>MANHOLE</b>          | Ea.         | 39               | \$ 2,000.00      | \$ 78,000.00         |
| <b>PIPE</b>             |             |                  |                  |                      |
| <b>8" PVC</b>           |             |                  |                  |                      |
| ROADWAY                 | LF          | 4530             | \$ 29.00         | \$ 131,370.00        |
| OTHER                   | LF          | 1810             | \$ 24.00         | \$ 43,440.00         |
| <b>15" PVC</b>          |             |                  |                  |                      |
| ROADWAY                 | LF          | 0                | \$ 39.00         | \$ -                 |
| OTHER                   | LF          | 0                | \$ 34.00         | \$ -                 |
| LATERAL                 | Ea.         | 126              | \$ 410.00        | \$ 51,660.00         |
| STREAM CROSSING         | Ea.         | 0                | \$ 10,000.00     | \$ -                 |
| PADOT ROW BORING        | Ea.         | 1                | \$ 20,000.00     | \$ 20,000.00         |
| ROCK CONTINGENCY        | LS          | 1                | \$ 100,000.00    | \$ 100,000.00        |
| <b>RESTORATION</b>      |             |                  |                  |                      |
| ROAD ROW                | LF          | 4350             | \$ 10.00         | \$ 43,500.00         |
| PRIVATE                 | LF          | 4600             | \$ 5.00          | \$ 23,000.00         |
| EASEMENTS               | LF          | 4700             | \$ 10.00         | \$ 47,000.00         |
| CONSTRUCTION ESTIMATE = |             |                  |                  | \$ 537,970.00        |
| 10% ENGINEERING         |             |                  |                  | \$ 53,797.00         |
| 20% CONTINGENCY         |             |                  |                  | \$ 107,594.00        |
| <b>PHASE 4 TOTAL</b>    |             |                  |                  | <b>\$ 699,361.00</b> |

VI - 24

Allen Township Tapping Fee \$3,000.00  
 Northampton Tapping Fee \$1,500.00  
 Initial Wynne Field Units Bought 0  
 Wynne Field Pump Station Contribution \$179,790.00  
 Sewer Constructed by Northampton High School \$327,080.00  
 Amount of Wynne Field/Jaindl Reimbursement per Connection \$400.00

Amount of NHS Reimbursement per connection \$127.00  
 Interest Rate 6.00%  
 Int. Factor (20 years) 0.08718  
 Debt Recovery Portion of User Fees \$ 129.97

| YEAR | CONSTRUCTION COST | PORTIONS COLLECTED FROM DEVELOPERS | AMOUNT OF CONSTRUCTION REQUIRING FINANCING | AMOUNT OF YEARLY LOAN PAYMENT | WYNNE FIELD ESTATES |                          |           |                           |                      |                        | SUNNY SLOPE FARMS   |                          |            |                           |                      |                        |
|------|-------------------|------------------------------------|--|-------------------------------|---------------------|--------------------------|-----------|---------------------------|----------------------|------------------------|---------------------|--------------------------|------------|---------------------------|----------------------|------------------------|
|      |                   |                                    |  |                               | TAPPING FEES BOUGHT | AMOUNT FROM TAPPING FEES | UNTS CON. | AMOUNT DUE TO NORTHAMPTON | AMOUNT DUE TO HRICAK | AMOUNT AUTHORITY KEEPS | TAPPING FEES BOUGHT | AMOUNT FROM TAPPING FEES | UNITS CON. | AMOUNT DUE TO NORTHAMPTON | AMOUNT DUE TO JAINDL | AMOUNT AUTHORITY KEEPS |
| 2001 | \$179,790.00      | \$179,790.00                       |  |                               | 2                   | \$6,000.00               | 2         | \$3,000.00                | \$800.00             | \$2,200.00             | 2                   | \$6,000.00               | 2          | \$3,000.00                | \$800.00             | \$2,200.00             |
| 2002 | \$420,335.50      | \$327,080.00                       | \$93,255.50                                | \$8,130.01                    | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$2,400.00           | \$6,600.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$2,400.00           | \$6,600.00             |
| 2003 |                   |                                    |  | \$8,130.01                    | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$2,400.00           | \$6,600.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$2,400.00           | \$6,600.00             |
| 2004 | \$258,622.00      |                                    | \$182,260.12                               | \$15,889.44                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$2,400.00           | \$6,600.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$2,400.00           | \$6,600.00             |
| 2005 | \$699,361.00      |                                    | \$809,775.23                               | \$70,596.20                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$2,400.00           | \$6,600.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$2,400.00           | \$6,600.00             |
| 2006 |                   |                                    |  | \$70,596.20                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$2,400.00           | \$6,600.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$2,400.00           | \$6,600.00             |
| 2007 |                   |                                    |  | \$70,596.20                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$2,400.00           | \$6,600.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$2,400.00           | \$6,600.00             |
| 2008 |                   |                                    |  | \$70,596.20                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$2,400.00           | \$6,600.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$2,400.00           | \$6,600.00             |
| 2009 |                   |                                    |  | \$70,596.20                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$2,400.00           | \$6,600.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$2,400.00           | \$6,600.00             |
| 2010 |                   |                                    |  | \$70,596.20                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$2,400.00           | \$6,600.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$2,400.00           | \$6,600.00             |
| 2011 |                   |                                    |  | \$70,596.20                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$2,400.00           | \$6,600.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$2,400.00           | \$6,600.00             |
| 2012 |                   |                                    |  | \$70,596.20                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$0.00               | \$9,000.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$0.00               | \$9,000.00             |
| 2013 |                   |                                    |  | \$70,596.20                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$0.00               | \$9,000.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$0.00               | \$9,000.00             |
| 2014 |                   |                                    |  | \$70,596.20                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$0.00               | \$9,000.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$0.00               | \$9,000.00             |
| 2015 |                   |                                    |  | \$70,596.20                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$0.00               | \$9,000.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$0.00               | \$9,000.00             |
| 2016 |                   |                                    |  | \$70,596.20                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$0.00               | \$9,000.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$0.00               | \$9,000.00             |
| 2017 |                   |                                    |  | \$70,596.20                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$0.00               | \$9,000.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$0.00               | \$9,000.00             |
| 2018 |                   |                                    |  | \$70,596.20                   | 6                   | \$18,000.00              | 6         | \$9,000.00                | \$0.00               | \$9,000.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$0.00               | \$9,000.00             |
| 2019 |                   |                                    |  | \$70,596.20                   | 3                   | \$9,000.00               | 3         | \$4,500.00                | \$0.00               | \$4,500.00             | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$0.00               | \$9,000.00             |
| 2020 |                   |                                    |  | \$70,596.20                   | 0                   | \$0.00                   | 0         | \$0.00                    | \$0.00               | \$0.00                 | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$0.00               | \$9,000.00             |
| 2021 |                   |                                    |  | \$70,596.20                   | 0                   | \$0.00                   | 0         | \$0.00                    | \$0.00               | \$0.00                 | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$0.00               | \$9,000.00             |
| 2022 |                   |                                    |  | \$70,596.20                   | 0                   | \$0.00                   | 0         | \$0.00                    | \$0.00               | \$0.00                 | 6                   | \$18,000.00              | 6          | \$9,000.00                | \$0.00               | \$9,000.00             |

Assumptions:

- AT Tapping Fee cost for Northampton School to Northampton Borough = \$1100.00
- Assume 8 connections per year from residential developments
- Developer construction reimbursements
  - a. Hricak/Jaindl will receive reimbursement from tapping fees for their contribution from EDU's anticipated to connect to that portion of the interceptor. (\$500 /EDU)
  - b. NHS will receive reimbursement from tapping fees for their contribution from the total capacity of the line. (\$327,080/2576 EDU'S = \$127/EDU)
- NHS provides:
  - a. Section from Recreation Building to Seemsville Road
- No Developer Reservation Fees
- Payoff remaining loan principal at end of 2003 (\$88,122.00) before financing remaining amount
- Schedule of Construction
  - 2001 - Phase 1
  - 2002 - Phases 2A, 2B, and 2C
  - 2004 - Phase 3
  - 2005 - Phase 4

| YEAR | OTHERS TO SOUTHERN DRY RUN INTERCEPTOR |                          |            |                           |                      |                        | OTHERS TO RAILROAD INTERCEPTOR |                          |            |                           |                   |                        |
|------|--|--------------------------|------------|---------------------------|----------------------|------------------------|--------------------------------|--------------------------|------------|---------------------------|-------------------|------------------------|
|      | TAPPING FEES BOUGHT                    | AMOUNT FROM TAPPING FEES | UNITS CON. | AMOUNT DUE TO NORTHAMPTON | AMOUNT DUE TO HRICAK | AMOUNT AUTHORITY KEEPS | TAPPING FEES BOUGHT            | AMOUNT FROM TAPPING FEES | UNITS CON. | AMOUNT DUE TO NORTHAMPTON | AMOUNT DUE TO NHS | AMOUNT AUTHORITY KEEPS |
| 2001 | 0                                      | \$0.00                   | 0          | \$0.00                    | \$0.00               | \$0.00                 | 0                              | \$0.00                   | 0          | \$0.00                    | \$0.00            | \$0.00                 |
| 2002 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$1,600.00           | \$4,400.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2003 | 23                                     | \$69,000.00              | 23         | \$34,500.00               | \$9,200.00           | \$25,300.00            | 71                             | \$185,400.00             | 71         | \$78,900.00               | \$9,017.00        | \$97,483.00            |
| 2004 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$1,600.00           | \$4,400.00             | 31                             | \$93,000.00              | 31         | \$46,500.00               | \$3,937.00        | \$42,563.00            |
| 2005 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$1,600.00           | \$4,400.00             | 128                            | \$384,000.00             | 128        | \$192,000.00              | \$16,256.00       | \$175,744.00           |
| 2006 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$1,600.00           | \$4,400.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2007 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$1,600.00           | \$4,400.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2008 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$1,600.00           | \$4,400.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2009 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$1,600.00           | \$4,400.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2010 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$1,600.00           | \$4,400.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2011 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$1,600.00           | \$4,400.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2012 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$0.00               | \$6,000.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2013 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$0.00               | \$6,000.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2014 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$0.00               | \$6,000.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2015 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$0.00               | \$6,000.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2016 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$0.00               | \$6,000.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2017 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$0.00               | \$6,000.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2018 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$0.00               | \$6,000.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2019 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$0.00               | \$6,000.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2020 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$0.00               | \$6,000.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2021 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$0.00               | \$6,000.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |
| 2022 | 4                                      | \$12,000.00              | 4          | \$6,000.00                | \$0.00               | \$6,000.00             | 2                              | \$6,000.00               | 2          | \$3,000.00                | \$254.00          | \$2,746.00             |

| YEAR | TOTAL AUTHORITY INCOME FROM TAPPING FEES | TOTAL EXPENSES | TOTAL EDUS FOR YEAR | TOTAL EDU'S CON. TO SYSTEM | TOTAL INCOME FROM USER FEES | NET INCOME   | TOTAL AUTHORITY BALANCE CUMMULATIVE |
|------|--|----------------|---------------------|----------------------------|-----------------------------|--------------|-------------------------------------|
| 2001 | \$12,000.00                              | \$7,600.00     | 4                   | 4                          | \$520                       | \$4,919.87   | \$4,919.87                          |
| 2002 | \$54,000.00                              | \$41,784.01    | 18                  | 22                         | \$2,859                     | \$15,075.26  | \$19,995.13                         |
| 2003 | \$290,400.00                             | \$162,547.01   | 106                 | 128                        | \$16,636                    | \$144,488.75 | \$76,361.88                         |
| 2004 | \$141,000.00                             | \$96,726.44    | 47                  | 175                        | \$22,744                    | \$67,017.77  | \$67,017.77                         |
| 2005 | \$432,000.00                             | \$309,252.20   | 144                 | 319                        | \$41,459                    | \$164,207.24 | \$164,207.24                        |
| 2006 | \$54,000.00                              | \$104,250.20   | 18                  | 337                        | \$43,799                    | -\$6,451.35  | \$157,755.89                        |
| 2007 | \$54,000.00                              | \$104,250.20   | 18                  | 355                        | \$46,138                    | -\$4,111.95  | \$153,643.94                        |
| 2008 | \$54,000.00                              | \$104,250.20   | 18                  | 373                        | \$48,478                    | -\$1,772.54  | \$151,871.40                        |
| 2009 | \$54,000.00                              | \$104,250.20   | 18                  | 391                        | \$50,817                    | \$566.86     | \$152,438.26                        |
| 2010 | \$54,000.00                              | \$104,250.20   | 18                  | 409                        | \$53,156                    | \$2,906.27   | \$155,344.53                        |
| 2011 | \$54,000.00                              | \$104,250.20   | 18                  | 427                        | \$55,496                    | \$5,245.67   | \$160,590.20                        |
| 2012 | \$54,000.00                              | \$97,850.20    | 18                  | 445                        | \$57,835                    | \$13,985.08  | \$174,575.27                        |
| 2013 | \$54,000.00                              | \$97,850.20    | 18                  | 463                        | \$60,175                    | \$16,324.48  | \$190,899.75                        |
| 2014 | \$54,000.00                              | \$97,850.20    | 18                  | 481                        | \$62,514                    | \$18,663.88  | \$209,563.64                        |
| 2015 | \$54,000.00                              | \$97,850.20    | 18                  | 499                        | \$64,853                    | \$21,003.29  | \$230,566.93                        |
| 2016 | \$54,000.00                              | \$97,850.20    | 18                  | 517                        | \$67,193                    | \$23,342.69  | \$253,909.62                        |
| 2017 | \$54,000.00                              | \$97,850.20    | 18                  | 535                        | \$69,532                    | \$25,682.10  | \$279,591.72                        |
| 2018 | \$54,000.00                              | \$97,850.20    | 18                  | 553                        | \$71,872                    | \$28,021.50  | \$307,613.22                        |
| 2019 | \$45,000.00                              | \$93,350.20    | 15                  | 568                        | \$73,821                    | \$25,471.01  | \$333,084.22                        |
| 2020 | \$36,000.00                              | \$88,850.20    | 12                  | 580                        | \$75,381                    | \$22,530.61  | \$355,614.83                        |
| 2021 | \$36,000.00                              | \$88,850.20    | 12                  | 592                        | \$76,940                    | \$24,090.21  | \$379,705.05                        |
| 2022 | \$36,000.00                              | \$88,850.20    | 12                  | 604                        | \$78,500                    | \$25,649.82  | \$405,354.86                        |

\* PAYOFF LOAN (\$88,122)



|  |  |  |   |
|--|--|--|---|
| REVISIONS                                      | <b>ACT 537 AMENDMENT</b>                             |  | PROJECT NO.<br><b>A01-06</b>              |
|  | ALLEN TOWNSHIP<br>NORTHAMPTON COUNTY<br>PENNSYLVANIA |  | SHEET NO.<br><b>EXHIBIT G<br/>(VI-28)</b> |
|  | DRAWN BY<br>EAH                                      |  |   |
|  | CHECKED BY<br>BRK                                    |  |   |
|  | DATE<br>2-15-01                                      |  |   |
|  | SCALE<br>1" = 500'                                   |  |   |
| <b>HANOVER ENGINEERING</b><br>ASSOCIATES, INC. | 252 BRODHEAD ROAD, STE. 100<br>BETHLEHEM, PA. 18017  |  |   |

SEAL

Cubic feet  
(add 2 zero)

2000  
Acct-

# WOLFERS MARKET / 210800

1679 NOR BATH BLVD., NORTHAMPTON, PA 18067

Client Account Meter Tap Routing W/O Reports

ACCOUNT ACTIVE

|                          |          |
|--------------------------|----------|
| Meter Number             | 49506123 |
| Meter Make               | RTP      |
| Install Date             | 5/5/95   |
| Outside Register Number  | 5343819  |
| Pulse                    | 100      |
| MXU ID                   |          |
| MXU TYPE                 |          |
| Number of Units Attached | 1        |
| Basic Rate / Meter Size  | 5/8      |
| Number of Digits         | 8        |

QUARTERLY Minimum: 15.00  
Water Usage Rate: 2.00 per cubic foot

| Read Date | Reading | Status | Adjustment | Usage |
|-----------|---------|--------|------------|-------|
| 7/7/99    | 517     |        |            | 0 23  |
| 10/6/99   | 541     |        |            | 0 24  |
| 1/6/00    | 568     |        |            | 0 27  |
| 4/5/00    | 591     |        |            | 0 23  |
| 7/7/00    | 612     |        |            | 0 21  |
| *         |         |        |            |       |

| Date | By | Comment |
|------|----|---------|
| *    |    |         |

1 Account

Assign Meter    Assign To Tap    Unassign Meter    Import    Add New Meter

**HORWITH LEASING / 210850**  
 1449 NOR BATH BLVD., NORTHAMPTON, PA 18067

*Stoly.  
Acct.*

ACCOUNT ACTIVE

Client Account **Meter** Tap Routing WO Reports

Meter Number: 49506266  
 Meter Make: RTP  
 Install Date: 10/26/95  
 Outside Register Number: 5335753  
 Pulse: 100  
 MXU ID: 0  
 MXU TYPE: 0  
 Number of Units Attached: 1  
 Basic Rate / Meter Size: 3/8"  
 Number of Digits: 6

Meter Readings (Meter ID: 12529)

| Read Date | Reading | Status | Adjustment | Usage |
|-----------|---------|--------|------------|-------|
| 7/7/99    | 123     |        |            | 0 9   |
| 10/6/99   | 132     |        |            | 0 9   |
| 1/6/00    | 142     |        |            | 0 10  |
| 4/5/00    | 151     |        |            | 0 9   |
| 7/7/00    | 161     |        |            | 0 10  |
| *         |         |        |            |       |

When making adjustments make sure NOT to have a meter reading on the same date

| Date | By | Comment |
|------|----|---------|
| *    |    |         |

QUARTERLY Minimum: 15.00  
 Water Usage Rate: 2.00 per cubic foot

1 Account

Assign Meter Assign To Tap Unassign Meter Import Add New Meter

# HORWITH LEASING / 210820

1330 NOR BATH BLVD. REAR, NORTHAMPTON, PA 18067

*Monthly  
Cost*

Client Account Meter Tap Routing WO Repairs

ACCOUNT & METER

Meter Number: 50412788  
 Meter Make: RTP  
 Install Date: 4/12/96  
 Outside Register Number: 5703239  
 Pulse: 100  
 MXU ID: 1207085  
 MXU TYPE: B  
 Number of Units Attached: 1  
 Basic Rate / Meter Size: 2"  
 Number of Digits: 6

MONTHLY Minimum: 27.72  
 Water Usage Rate: 2.00 per cubic foot

| Meter Readings (Meter ID: 12527) |         |        |            |       |
|----------------------------------|---------|--------|------------|-------|
| Read Date                        | Reading | Status | Adjustment | Usage |
| 12/1/99                          | 1051    |        |            | 0 19  |
| 1/3/00                           | 1088    |        |            | 0 37  |
| 2/1/00                           | 1110    |        |            | 0 22  |
| 3/1/00                           | 1146    |        |            | 0 36  |
| 4/4/00                           | 1184    |        |            | 0 38  |
| 5/1/00                           | 1230    |        |            | 0 46  |
| 6/1/00                           | 1265    |        |            | 0 35  |
| 7/3/00                           | 1310    |        |            | 0 45  |
| 8/1/00                           | 1326    |        |            | 0 16  |
| 9/1/00                           | 1336    |        |            | 0 10  |
| 10/2/00                          | 1370    |        |            | 0 34  |
| *                                |         |        |            |       |
| *                                |         |        |            |       |

1 Account

Assign Meter    Assign To Tap    Unassign Meter    Import    Add New Meter

# HORWITH LEASING / 210830

1440 NOR BATH BLVD., NORTHAMPTON, PA 18067

*Monthly Acct*

- Client
- Account
- Meter
- Tap
- Routing
- WO
- Reports

Meter Number: 44053019  
 Meter Make: RTP  
 Install Date: 4/12/96  
 Outside Register Number: 1548904  
 Pulse: 100  
 MXU ID: 1207085  
 MXU TYPE: B  
 Number of Units Attached: 1  
 Basic Rate / Meter Size: 1  
 Number of Digits: 6

| Meter Readings (Meter ID: 12528) |         |        |            |       |
|----------------------------------|---------|--------|------------|-------|
| Read Date                        | Reading | Status | Adjustment | Usage |
| 12/1/99                          | 652     |        |            | 0 5   |
| 1/3/00                           | 657     |        |            | 0 5   |
| 2/1/00                           | 662     |        |            | 0 5   |
| 3/1/00                           | 667     |        |            | 0 5   |
| 4/4/00                           | 673     |        |            | 0 6   |
| 5/1/00                           | 678     |        |            | 0 5   |
| 6/1/00                           | 684     |        |            | 0 6   |
| 7/3/00                           | 691     |        |            | 0 7   |
| 8/1/00                           | 696     |        |            | 0 5   |
| 9/1/00                           | 703     |        |            | 0 7   |
| 10/2/00                          | 709     |        |            | 0 6   |
| *                                |         |        |            |       |
| *                                |         |        |            |       |

MONTHLY Minimum: 7.70  
 Water Usage Rate: 2.00 per cubic foot

1 Account

- Assign Meter
- Assign To Tap
- Unassign Meter
- Import
- Add New Meter

SECTION VII - PUBLIC COMMENT

\* NO WRITTEN PUBLIC COMMENTS WERE RECEIVED



**Allen Township  
Planning Commission**  
4714 Indian Trail Road  
Northampton, Pennsylvania 18067  
Phone: (610) 262-7012  
Fax: (610) 262-7364

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David Irons, Chairman  
William Holmes, Vice Chairman  
Louis Tepes, Jr.  
Alfred Pierce  
W. Eugene Clater

Brien Kocher, P.E.  
Ilene M. Eckhart, Secretary  
B. Lincoln Treadwell, Jr., Esq.

**MINUTES  
ALLEN TOWNSHIP PLANNING COMMISSION  
REGULAR MEETING  
MONDAY FEBRUARY 20, 2001  
7:00 P.M.**

The regular monthly meeting of the Allen Township Planning Commission was held on February 20, 2001, at 7:00 P.M. at the Allen Township Municipal Building, 4714 Indian Trail Road, Northampton, Pennsylvania 18067. The Pledge of Allegiance was recited by all present.

Roll Call: David Irons - Present; William Holmes - Present; Alfred Pierce - Present; W. Eugene Clater - Present; Louis Tepes, Jr. - Absent; B. Lincoln Treadwell, Jr., Esq. - Absent and Earl Heffintrayer, Hanover Engineering Associates, Inc. - Present.

Approval of Minutes: Mr. Pierce made a motion to approve the minutes of January, 2001 as submitted; seconded by Mr. Holmes. On the motion, by roll call vote, all commissioners present voted yes.

General Business:

1. R-2 District Zoning change for discussion: Mr. Heffintrayer reported Mr. Edward Diechmeister was present tonight to discuss the possibility of allowing twins (at some level) in the R-2 Zoning District. Mr. Diechmeister, along with his representative Lawrence Fox, Esq. addressed the Commission regarding this matter. Mr. Diechmeister referred to a sketch (which he supplied to the Commission), which depicted twins development for the entire tract in question. He indicated that twins are permitted by right in the portion of the tract within Northampton Borough, however the portion in Allen Township does not allow for this use in the R-2 Zone. Following a lengthy discussion regarding the encroachment of various easements to facilitate public water and sewer to upstream property owners, a formal recommendation to the Board

was not reached, although the Commission analyses the possible effects of the following options: 1.) take a look at allowing twins in the R-2 Zone which could expose the Township to 400 homes; 2.) change the R-2 Zone District to the west of Willowbrook Road to R-3 but only from the corporate boundary to the Dry Run Creek; or 3.) leave as is. It was discussed that option #2 above opens the area for townhouse by conditional use as the limitation of the zone is currently written. Option #1 may impact properties, which are not envisioned for immediate development such as the R-2 area in Weaversville (Schrantz Rose Nursery). Spot zoning and the uniqueness of the both the Fuller and Deichmeister holdings, in that they adjoin Northampton Borough were also discussed at length.

Mr. Deichmeister was present at the February 8<sup>th</sup> Board of Supervisors with same plan. Messrs. Clater and Irons felt the drawing presented was incomplete and inaccurate and therefore could not be considered in their recommendation process.

Mr. Deichmeister maintained, regarding the best, most profitable use of his property, that the encroachment of future easement would have a negative effect on the value of his property. Mr. Clater responded that although he could appreciate Mr. Deichmeister's concerns the Commission has the duty of planning for the future of development, in a long range manner and that the options discussed needed to be evaluated further prior to any recommendations to the Board. As Mr. Deichmeister concluded his presentation, he suggested the "Township" should tell the upstream developers that everything is on hold for them until a decision is made on his behalf (regarding the twins use on his land) because easements are necessary across his land and without them the upstream developer's could not obtain sewer service. To this the Commission informed Mr. Deichmeister, by consensus, that the coordination of his project with surrounding developers was his responsibility, not the Townships.

In conclusion, the Commission left the matter open to future discussions.

2. Act 537 Amendment: The Commission felt uncomfortable making a recommendation at this time, given the complexity of the matter. The Commission did, however, direct Hanover Engineering to proceed with submission to the LVPC for their comments.

Mr. Pierce questioned the placement of the 15" line north of Rt. 329. He felt as planners, this opened the area north of Rt. 329 for immediate development due to the vicinity of public sewer. Mr. Pierce further felt that the most recent Comprehensive Plan and Zoning Ordinance which plans this area for Industrial Commercial and Low Density Residential did not address the availability of public facilities in this area, therefore it was not the intention of the implementation component of these previously approved planning documents, at least not in the very near term. Although Mr. Heffintrayer, was unsure of the exact reason for the sizing of this segment of the line, he indicated Mr. Kocher could respond at the next meeting, if the Commission wished to table any recommendation

action. The probability of development further subjected the presence of the 15" line to some scrutiny. Questions concerning the actual line sizing were discussed. The suggestion of a smaller line, which would not support the capacity of the development, which could occur north of Rt. 329, was discussed. Additionally, the line in question would not pick up Drexel Heights en route to the proposed Northampton School property. Therefore, the Commission discussed the principal needs of plan were not met by the location of this infrastructure segment and tabled recommendation of the plan amendment to further analysis the presented draft.

There being no further business, the meeting was adjourned.

Respectfully submitted,

A handwritten signature in black ink, appearing to be 'Ilene M. Eckhart', with a long horizontal stroke extending to the right.

Ilene M. Eckhart

Drew



# Allen Township Planning Commission

4714 Indian Trail Road  
Northampton, Pennsylvania 18067

Phone: (610) 262-7012  
Fax: (610) 262-7364

David Irons, Chairman  
William Holmes, Vice Chairman  
Louis Tepes, Jr.  
Alfred Pierce  
W. Eugene Clater

Brien Kocher, P.E.  
Ilene M. Eckhart, Secretary  
B. Lincoln Treadwell, Jr., Esq.

## MINUTES ALLEN TOWNSHIP PLANNING COMMISSION REGULAR MEETING MONDAY MARCH 19, 2000 7:00 P.M.

The regular monthly meeting of the Allen Township Planning Commission was held on March 19, 2001, at 7:00 P.M. at the Allen Township Municipal Building, 4714 Indian Trail Road, Northampton, Pennsylvania 18067. The Pledge of Allegiance was recited by all present.

Roll Call: David Irons - Present; William Holmes - Absent; Alfred Pierce - Present; W. Eugene Clater - Present; Louis Tepes, Jr. - Present; Earl Heffintrayer (Hanover Engineering Associates, Inc.) - Present; B. Lincoln Treadwell, Jr., Esq. - Present.

Approval of Minutes: Mr. Pierce made a motion to approve the minutes of February 19, 2001 as submitted; seconded by Mr. Clater. On the motion, by roll call vote, all commissioners present voted yes.

### General Business:

- R-2 District Zoning Change for discussion: Mr. Heffintrayer indicated this item was tabled at the last Commission meeting. Mr. Heffintrayer reiterated that Mr. Deichmeister proposes that twins are permitted by right in the portion of the tract within Northampton Borough, however the portion in Allen Township does not allow for this use in the R-2 Zone. This tract of land is owned by Eileen Sipos as indicated by the Township real estate tax duplicate. Following some discussion, Mr. Deichmeister indicated several of the Planning Commission members have made physical inspections of the site since the February meeting. On this point, Mr. Tepes reported on his visit. He felt this property would qualify for duplexes due the close vicinity of the warehouse and abandoned quarries in the vicinity. Mr. Tepes also indicated that Mr.

Deichmeister would have a problem marketing the sale of single homes given these physical limitations. He stated that he believed Mr. Deichmeister was trying to get the best use of his land and suggested the other members of the Planning Commission who have not visited the site to do so prior to making their decision. Messrs. Clater and Pierce stated they were both familiar with the lay of the land in this area and would not need to visit in order to make a determination. Mr. Pierce also stated that he did not feel it was unreasonable to make the public sewer boundary the line from R-3 to R-2 following the Dry Run to include the Deichmeister tract. Mr. Clater agreed that the only recommendations to really be considered are 1.) leave it the way it is or 2.) to draw the boundary along the proposed sewer interceptor line using the natural barrier created by the quarry. Mr. Irons questioned the adequacy of the public water and sewer in this area and the impact of this density in the southern quadrant of the Township. He was concerned also that this change would represent another departure from the Commission's plan – why bother creating a plan? Messrs. Clater and Pierce in response to Mr. Irons concerns felt that is why a specific boundary must be delineated for the higher density area. Mr. Clater felt the proposed area of changed would stay self-contained due to the natural boundaries. Mr. Pierce agreed and felt it should not be assumed that everyone (property owner) will develop to the highest extreme of the density regulations and that developers will only build what sells. The Commission then as a whole pondered a physical location for this boundary and drew a line on a map presented by Mr. Heffintrayer. The new area of R-3 will bound the existing Zoning District Boundary (Savage Road) to the north pursuant to the Allen Township Zoning Ordinance Map, last revised July 27, 2000, the Township line to the west, the lands containing quarries owned by Eileen Sipos to the south, and the existing tree row/property line and the Dry Run Creek to the east. Mr. Pierce then made a motion to recommend this new boundary line as drawn and described as: *"The new area of R-3 will bound the existing Zoning District Boundary (Savage Road) to the north pursuant to the Allen Township Zoning Ordinance Map, last revised July 27, 2000, the Township line to the west, the lands containing quarries owned by Eileen Sipos to the south, and the existing tree row/property line and the Dry Run Creek to the east"* to the Board of Supervisors; seconded by Mr. Tepes. On the motion, by roll call vote, all supervisors present voted yes.

3. Act 537 Amendment Discussion: Mr. Heffintrayer described the proposed route of the proposed interceptors connecting to the Northampton Borough Sewer System via the Railroad Interceptor and the Dry Run Interceptor points of connection. Mr. Heffintrayer further reported the portion southern portion of the Dry Run Interceptor proposed for construction during 2001. He further noted that the 15" line north of Rt. 329 presented at a prior meeting was a drafting error and a single crossing of Rt. 329 is envisioned with this plan amendment.

Mr. Tepes questioned why Drexel Heights is being pushed out of the five-year plan? He felt Drexel Heights should be addressed within the first five years of the plan due to the identified needs.

Mr. Pierce felt the long term economics were better to take the proposed Northampton School connection across Seemsville Road and get into the back of Drexel Heights.

Mr. Clater questioned, in the Drexel Heights collection system, why is the rock contingency shown twice? He felt it made no sense for the taxpayers to pay for two lines to feed that area for the day's demands. Furthermore, he felt it was even more counterproductive as it would miss the area that needs the service most. After some further discussion, Mr. Clater made a motion that the Planning Commission not endorse the Plan II C option of the and strongly encourage the Board of Supervisors to perform the necessary engineering study to drive the sewer main through Drexel Heights at the earliest possible time; seconded by Mr. Tepes. On the motion, by roll call vote, all supervisors present voted yes.

There being no further business, the meeting was adjourned 8:30 P.M.

Respectfully submitted,

A handwritten signature in black ink, appearing to be 'Ilene M. Eckhart', written in a cursive style with a long horizontal flourish extending to the right.

Ilene M. Eckhart

**HANOVER ENGINEERING ASSOCIATES, INC.**

252 Brodhead Road, Suite 100  
Bethlehem, Pennsylvania 18017-8937  
610-691-5644  
FAX 610-691-6968

March 20, 2001

Ms. Ilene Eckhart  
Township Manager  
Allen Township  
4714 Indian Trail Road  
Northampton, PA 18067-9492

RE: Allen Township  
Act 537 Amendment  
HEA Project A01-06

Dear Ilene:

As requested by the Board of Supervisors, the Allen Township Planning Commission has reviewed the draft Act 537 Amendment (Addendum C). After discussing the matter, the Commission made the following motion at their meeting of March 19, 2001:

1. The Planning Commission does not support Phase 2C of construction. The Commission does not feel that the small amount of users to be served by this extension justifies the cost.
2. The Planning Commission recommends Northampton High School run their lines through Drexel Heights so that Drexel Heights may be connected earlier. The Planning Commission also recommends that the remainder of the Drexel Heights system be constructed earlier than its projected 2005 construction date. Failing existing systems and the effect of inflation on construction costs were cited as reasons for constructing the Drexel Heights portion sooner rather than later.
3. The Planning Commission suggests that a cost analysis be performed to determine the additional cost incurred by the School District for constructing through Drexel Heights instead of the field to the north of Route 329. The Township may wish to compensate/reimburse the school district for that amount.

Ms. Ilene Eckhart  
Allen Township

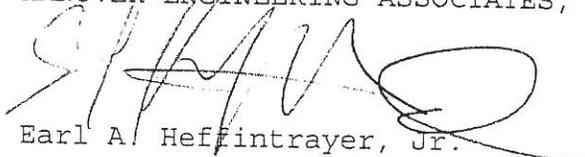
- 2 -

March 20, 2001

If you have any questions, please contact the undersigned.

Respectfully,

HANOVER ENGINEERING ASSOCIATES, INC.



Earl A. Heffintrayer, Jr.

EAH:cg

D:\2001\ALLENcg\A01-06Act537Plan\EckhartLtr2.wpd

cc: B. Lincoln Treadwell, Esquire



# Allen Township Supervisors

4714 Indian Trail Road  
Northampton, Pennsylvania 18067

Phone: (610) 262-7012

Fax: (610) 262-7364

Paul Balliet, Chairman  
Jay Hower, Vice Chairman  
Robert Koch  
Bernard Cesanek  
Vincent Sarnicky

Brien Kocher, P.E.  
B. Lincoln Treadwell, Jr., Esq.  
Ilene M. Eckhart, Manager

**MINUTES  
ALLEN TOWNSHIP SUPERVISORS  
REGULAR MEETING  
THURSDAY MARCH 8, 2001  
7:00 P.M.**

The regular monthly meeting of the Allen Township Supervisors was held on Thursday, March 8, 2001, at 7:00 P.M. at the Allen Township Municipal Building, 4714 Indian Trail Road, Northampton, Pennsylvania 18067. The Pledge of Allegiance was recited by all present, led by Chairman Paul Balliet.

Roll Call: Paul Balliet - Present; Bernard Cesanek - Present; Robert Koch - Present; Jay Hower - Present; Vincent Sarnicky - Present; Brien Kocher, P.E. - Present; B. Lincoln Treadwell, Jr., Esq. - Present; Ilene Marie Eckhart - Present.

Public to be Heard: No comments from the audience.

Approval of Minutes: (02/08/01 & 02/28/01): Mr. Sarnicky made a motion to approve the minutes of February 8, 2001 and February 28, 2001 as presented; seconded by Mr. Hower. On the motion, by roll call vote, all supervisors present voted yes with the exception of Mr. Balliet who abstained from the vote of approval concerning the minutes of February 28, 2001 due to absence.

Treasurer's Report: Mr. Sarnicky made a motion to accept the Treasurer's Report as presented; seconded by Mr. Hower. On the motion by roll call vote, all supervisors present voted yes.

Solicitor's Report: On file.

Engineer's Report: On file.

i. Developer's sewer capacity letters: Mr. Kocher dispersed copies of draft sewer availability letters pertaining to developers who have received specific capacity certification letters from the former Allen Township Authority. Mr. Kocher explained

since the Board was not a party to the Authority's action some direction was necessary in order to respond to the developer's request for sewer service via the Township's system. Mr. Kocher indicated the first letter would go to Loretta Hricak for her proposed Wynne Field Estates Subdivision. He explained the draft letter would commit capacity (from the Northampton Borough/Allen Township Intermunicipal Sewer Service Agreement) for the proposed one hundred seven (107) dwelling units with conditions as follows: **1.)** the developer is obligated to provide all design, details and construction of public sewer facilities to the point of connection in the existing or planned public lines in accordance with the Rates, Rules and Regulations and the Construction Standards of the Township; **2.)** the developer is obligated to enter into an Improvements Agreement and post security for these improvements prior to any construction or final approval; **3.)** the developer is obligated to pay or arrange for future payment of all applicable tapping fees for sewer service; **4.)** the letter of service availability will expire and become void within five years of the date of the Board's letter (extension may be granted, if specifically requested); **5.)** the developer and/or Township has obtained all necessary DEP permits and approvals for the construction of the facilities; **6.)** the developer shall pay to the Township, \$180,620.00 toward the design, construction, and right-of-way cost associated with an interceptor along the Dry Run, at a location selected by the Township and **7.)** the developer and Township will enter into a reimbursement agreement to return a portion of her contribution to the Dry Run Interceptor via future tapping fees, as will be defined in the future agreement. Mr. Kocher explained the Board Chairman would sign the typical format of the letter outlined above and an acceptance of the conditions within the letter would need to be executed by the developer.

Regarding the Wynne Field proposed capacity letter, Mr. Koch questioned Mr. Kocher, asking where the \$180,620.00 cost comes from. Mr. Kocher indicated the amount represents the estimated cost if there were no Dry Run Interceptor for the developer to install a pump station to the Railroad Interceptor. Mr. Koch was concerned this would be a problem because now that Northampton will take this sewerage, which they could take before – is this still a valid amount. Mr. Kocher felt the point is if the Township did not build the Dry Run Interceptor, the developer would need to build the pump station to go the other route. Mr. Koch asked if the Railroad Interceptor was more expensive than connecting to Howertown Road? Mr. Kocher answered that it was felt the cost estimate was close to the same. Additionally, the developer would be entitled to reimbursement in this case. Mr. Kocher further explained if the line is bid it should be sufficient to cover the cost with the prepayment of thirty-five up front tapping fees.

Mr. Sarnicky made a motion to include the points, as described above by Mr. Kocher, in the sewer service availability letter to Lorretta Hriack developer of Wynne Field Estates; seconded by Mr. Hower. Prior to roll call vote, Mr. Koch questioned the reimbursement agreement since we don't know the figures yet. Mr. Kocher indicated the figure is in the neighborhood of \$250.00 as shown in the draft Act 537 amendment. He added the figure would be further refined. Mr. Koch was concerned if the developer did not agree with the reimbursement figure, due to the variable of build out development. Mr. Koch felt this would be a problem. Mr. Kocher indicated the principal

in the limitation (10 year flow) of the watershed would be applied. On the motion, by roll call vote, all supervisors present voted yes.

Mr. Kocher indicated the second letter would go to David Jaindl (developer) for his proposed Sunny Slope Twins Subdivision. He explained the letter would commit capacity (from the Northampton Borough/Allen Township Intermunicipal Sewer Service Agreement) for the proposed one hundred forty-two (142) dwelling units with conditions as follows: **1.)** the developer is obligated to provide all design, details and construction of public sewer facilities to the point of connection in the existing or planned public lines in accordance with the Rates, Rules and Regulations and the Construction Standards of the Township; **2.)** the developer is obligated to enter into an Improvements Agreement and post security for these improvements prior to any construction or final approval; **3.)** the developer is obligated to pay all applicable tapping fees for sewer service; **4.)** the letter of service availability will expire and become void within five years of the date of the Board's letter (extension may be granted, if specifically requested); **5.)** the developer and/or Township has obtained all necessary DEP permits and approvals for the construction of the facilities; **6.)** the developer agrees to comply with all technical comments of the Engineer; and **7.)** the developer's agreement and final plans shall specify that the plan shall not be signed by the Township or recorded until the Township has acquired all off-site easements and/or property as equitable or fee simple ownership of the gravity lines, required for the approved regional sewer Official Act 537 Plan and **8.)** the developer will agree not to impose any claim they may have, to recover a portion of their cost of public sewer improvements, both on-site and off-site that they may have under the provisions of the Municipalities Authority Act.

Mr. Sarnicky made a motion to include the points, as described above by Mr. Kocher, in the sewer service availability letter to David Jaindl developer of Sunny Slope Subdivision (Twins); seconded by Mr. Hower. Prior to roll call vote, Mr. Koch questioned if the easements were covered. Mr. Kocher indicated numeral seven refers to the easement dedications. On the question from Mr. Cesanek, regarding a conflict of interest for selling Mr. Jaindl land in the past, Mr. Treadwell responded there was not a conflict since the exchange took place in the past. On the motion, by roll call vote, all supervisors present voted yes.

ii. Dry Run Interceptor and Savage Road: Mr. Kocher requested direction from the Board concerning the bid preparation – should it be bid as one general contract or broken down into labor and materials. Mr. Balliet asked Mr. Kocher for his suggestion. Mr. Kocher felt if the Township was not going to build it, to bid it as a general contract. Mr. Koch asked if this meant the sewer line and the associated road reconstruction? Mr. Kocher responded he meant the line itself, the road is a separate issue, which could go either way. Mr. Koch questioned how you could bind the contractor to coordinate with the road project. Mr. Kocher indicated it could be made part of the bid language. Mr. Sarnicky made a motion to authorize Mr. Kocher to prepare the specifications as a general contract; seconded by Mr. Cesanek. On the motion, by roll call vote, all supervisors present voted yes, with the exception of Mr. Koch

Mr. Kocher indicated it would be some time until the actual documents would be prepared, due Act 537 Plan Amendment and Part II Permit.

Regarding the associated Savage Road reconstruction, Mr. Kocher requested direction from the Board – did the Board want to restore the trench only or rebuild the road disturbed by the sewer construction. Mr. Koch felt the whole thing should be done at one time. Mr. Balliet felt the proper time to do it was at the time of the sewer line. He felt the option of local forces labor vs. an outside contractor should be bid. Messrs. Sarnicky and Balliet felt the reconstruction should be made part of the general contract. Mr. Kocher indicated in either case some coordination with Wynne Field and Sunny Slope would be necessary due to their required improvements. Mr. Sarnicky made a motion to make the Savage Road Reconstruction part of the Dry Run Interceptor bid package; seconded by Mr. Cesanek. On the motion, by roll call vote, all supervisors present voted yes.

iii. Allen Township Water Commitments: Mr. Kocher indicated the former Authority's three outstanding service commitments now needed to be addressed by the Board. He indicated the base decisions that needed to be made are: 1.) does the Board want to tell the developers to obtain a direct service provider or 2.) does the Board want to take advantage of the City of Bethlehem water agreement and form a water company. Mr. Balliet responded that he was not in favor of getting into the water business, he preferred direct service via NBMA. Mr. Koch interjected that the Board should consider tabling action on this matter until they have a chance to talk to the Engineer regarding "real costs". Mr. Koch referred to information he submitted to the Board regarding the five and ten year water system financial projections. Mr. Koch felt if you look past the first five years onto the tenth year, when the system is built out, information he handed out says in the tenth year the Township could net \$60,000. He further felt the financial outlook would grow after that. He felt the \$60,000 number would grow each year thereafter. He felt to give away that amount of money should be reconsidered as the Board should not be dealing for the short term. He further felt this action, to go to NBMA, was irreversible. Mr. Balliet felt Mr. Koch was basing his prices on charging more than what the people would be paying via NBMA. Mr. Koch indicated that would amount to \$.16 per day. Mr. Balliet felt the Board has reviewed the matter sufficiently and does not want to get into the water business. Mr. Koch questioned why the Board would not want to get into the water business. On the question from Mr. Koch regarding the Board's move to go into the sewer business, Mr. Balliet felt the Board was not getting into the sewer business due to the Northampton Borough limitation of serving outside of their municipal boundaries. Mr. Koch commented he was glad to hear Mr. Balliet say this. Mr. Koch felt the Board owed it to the taxpayer to give this a little more thought. Mr. Balliet indicated this would save the taxpayers on the back of the peoples homes that were not built yet. Mr. Koch felt if these proposed residents can't afford to pay the water bill, they should not move into the house. Mr. Balliet further indicated he did not wish to argue with Mr. Koch. Mr. Sarnicky indicated, with the discussions with the City of Bethlehem, they would not be able to serve the areas we need served (due to development) within the timeframe that service is required. Mr. Sarnicky felt, therefore, this helped to conclude that we are not getting into the water business.

Mr. Sarnicky made a motion to not have a water company; seconded by Mr. Hower. On the motion, by roll call vote, all supervisors present voted yes, with the exception of Mr. Koch who voted no.

Mr. Kocher further advised the Board that since the Board does not want to go into the water business, they have to deal with the outstanding former Authority commitments. Mr. Kocher explained the two options are NBMA or City of Bethlehem with respect to these outstanding commitments.

iv. NBMA Water Service Agreement: Mr. Kocher reviewed the particulars of the draft NBMA Intermunicipal Water Service Agreement by section. Mr. Cesanek made a motion to approve the Intermunicipal Water Service Agreement between Allen Township and Northampton Borough Municipal Authority; seconded by Mr. Sarnicky. On the motion, by roll call vote, all supervisors present voted yes with the exception of Mr. Koch who voted no.

v. City of Bethlehem, Water Service: Mr. Kocher reported on the discussion with the City of Bethlehem regarding the potential for direct service as directed by the Board. Mr. Kocher reported that the City indicated they would need to expand their PUC service area in order to serve the proposed developments. However, the City felt that they could not meet the timeframe to service Sunny Slope Farms and Wynne Field. The timeframe for the Catasauqua School Complex may be feasible and the City will further investigate. Mr. Kocher further reported, regarding bulk water, the possibility of the Board taking advantage of the Authority's prior agreement was not an option as the Board has officially stated they do not wish to have a water company. Regarding the rate structure, the City may consider lowering the bulk rate, if the Township would qualify. The City has also indicated that they would not be willing to extend infrastructure to service area(s) at their cost.

Zoning Officer's Report: On file. Ms. Eckhart provided a verbal report regarding three permits, which were issued during the past month.

Road Superintendent's Report: Mr. Hower thanked the road crew for putting in the long hours and doing a good job on the recent snowstorms.

Recreation Board: Mr. Sarnicky reported Verizon will install two poles at the Howertown Park within the next two months.

Fire Company Report: On file.

Unfinished Business:

A. 2001 Road Program and Bids: Ms. Eckhart reported she met with Mr. Hower and obtained assistance from Mr. Mack (Hanover Engineering) regarding the 2001 Road Program. She presented the Board with a memorandum regarding the goals and

financial shortfall of the road program for the coming cycle, as well as a spreadsheet detailing projected costs. She suggested the shortfall be funded from the General Fund carryover. She further indicated that if the Board so desired, they could authorize for the advertisement of bids for road materials and in place contracts. Mr. Hower made a motion to authorize the advertisement of bids and transfer the funds as described in Ms. Eckhart's report to cover the financial shortfall of the 2001 road program; seconded by Mr. Sarnicky. On the motion, by roll call vote, all supervisors present voted yes. Mr. Koch asked if Farm Road is eliminated from the road program? Ms. Eckhart indicated that Farm Hill has not been eliminated and that the engineering will be completed this year but actual construction will be moved to another year. She further explained that the presented spreadsheet was for this fiscal cycle only and the five-year program was presented to the Board and tentatively approved at a prior meeting.

B. PSATS Convention, Exhibition Hall Pass: Ms. Eckhart indicated that one-day passes were available at the door of the Hershey Convention Lodge for Sunday April 22, 2001 for \$10.00. Mr. Sarnicky made a motion to allow any supervisor to attend the 2001 PSATS Hershey Convention and to pay the convention admission fee and mileage/expenses; seconded by Mr. Cesanek. On the motion, by roll call vote, all supervisors present voted yes.

C. Nextel Phone System, Update: Ms. Eckhart reported the road crew completed a three-day trial use of the Nextel equipment with fairly good results. Ms. Eckhart indicated the example of six phones would result in an equipment purchase of approximately \$450.00. She indicated the difference in annual usage costs when comparing the current cellular phone and pager equipment owned by the Township would be approximately \$1,000 greater. She used the example of three phones usage plans with enhanced cellular and radio and three with basic usage plans. She further indicated the sales representative discussed a quantity savings when ten phones are purchased but she was unsure of what that savings would be. Following some further discussion, the cost of remote radio units at approximately \$1,200 per unit, Mr. Hower commented that the "dead spot" issue seems to be nonexistent when using the Nextel equipment with the two-way function. Mr. Koch asked who would carry the six phones. Ms. Eckhart explained the road crew and administrative staff. Mr. Koch felt if the option of ten is not a lot more money, it should be investigated in order to obtain a better overall communication system. After some further discussion regarding the difference in cost of ten phones vs. six phones, the Board agreed by consensus to table the matter until further costs of the equipment purchase options could be evaluated. Mr. Hower further directed Ms. Eckhart to provide the Board with a detailed breakdown of costs.

#### New Business:

A. Northampton Area School District, letter re: reduction of sewer tapping fee: Ms. Eckhart indicated she provided the Board with a letter from Dr. Edward Hoffman, Superintendent of Schools (Northampton School District), requesting the Board to consider a reduction in tapping fees in light of the Township's intermunicipal sewer agreement with Northampton Borough. Mr. Koch asked if the Board has a standing

agreement with East Allen Township? Messer. Kocher and Treadwell understood Mr. Koch's point and Mr. Kocher commented that it would be premature to entertain this request. Mr. Treadwell indicated the Board could not serve outside of the municipal boundary, therefore the tapping fee cannot be given consideration. Mr. Balliet felt in the meantime, Mr. Kocher should calculate a cost effective tapping fee with a reimbursement component. Mr. Kocher explained that figure has been roughly calculated, but someone should begin discussions regarding an intermunicipal sewer service agreement with East Allen Township and it should be the Northampton Area School District. In conclusion, the Board agreed to table the request and provide the appropriate response to the District.

B. Hepatitis vaccines for road crew: Ms. Eckhart felt, given the turnover of employees in the past several years, that the road crew should be immunized with the appropriate hepatitis vaccine. She indicated the cost would be approximately \$528.00 for three members of the road crew who do not have the vaccines. Mr. Balliet suggested that because they respond to fire calls and situations where they may come into contact with biohazard materials, this vaccine should be provided. Following Mr. Balliet's suggestion, the Board agreed by consensus to provide the vaccines as necessary to the road crew employees as needed.

Public to be Heard: No comments from the audience.

There being no further business the meeting was adjourned.

Respectfully submitted,



Ilene Eckhart  
Manager

units for the office and meeting room, at the approximate cost of \$1,600 for both, should be considered. Mr. Balliet made a motion to purchase the units as he described; seconded by Mr. Sarnicky. On the motion, by roll call vote, all supervisors present voted yes, with the exception of Mr. Koch who voted no.

P. Draft letter to NASD re: meeting at E. Allen Township: Ms. Eckhart suggested a draft letter, which she presented, in response to some of the comments made at the March 27<sup>th</sup> East Allen Township Municipal Authority and thereafter concerning public sewer and water service(s) studies to the proposed site of the Northampton Area School District High School project in East Allen Township. Ms. Eckhart draft the letter because she felt some of the points presented by the school's consultant were inaccurate. She felt some of these issues should be cleared up by way of this letter. Mr. Balliet agreed with the letter and asked the other members of the Board to read the letter and advise Ms. Eckhart of their approval. She would then send the letter if the majority agrees.

Q. Sunny Slope Farms Subdivision, extension request: Ms. Eckhart presented a request for a sixty-day extension of time for review of the above mentioned development plans, as submitted by Mr. David Jaindl's representative. Mr. Sarnicky made a motion to grant the sixty-day extension of time for plan review; seconded by Mr. Cesanek. On the motion, by roll call vote, all supervisors present voted yes.

R. Howertown Park – Horwith Fields construction project: Mr. Balliet suggested the Board should consider obtaining a loader or dozer to further excavate the field. He asked the Board if they would rather obtain a contractor or try to obtain the equipment we used last year and do it with our own operator? Mr. Balliet suggested the use of a contract in the amount of \$5,000 on a per hour basis. He felt this would considerable further this project towards completion. After some further discussion regarding the breakdowns of the machine we use on loan, the Board agreed by consensus to obtain the loaned machine and if it would not be available within the very near future retain the services of a contractor as described above by Mr. Balliet. Mr. Gregory Seng, Phyllese Drive, questioned the configuration of the proposed fields and parking lot within the Horwith Fields area. Mr. Sarnicky responded and noted there are currently access limitations in this area due to the ongoing construction.

Public to be Heard: Mr. Bruce Frack, Phyllese Drive, questioned the liability of the Township using the borrowed machine as discussed above – what if we break it or the machine is damaged during usage? Mr. Balliet responded that the Township has repaired minor problems only and if it were anything major the owner would cover the cost of repairs. Mr. Frack felt this was not a good situation and the Township would possibly be better off contracting the work out.

Mr. Louis Tepes Jr., Center Road, questioned if the Board approved the Act 537 Amendment based on the recommendation of the Planning



# Allen Township Supervisors

4714 Indian Trail Road

Northampton, Pennsylvania 18067

Phone: (610) 262-7012

Fax: (610) 262-7364

Paul Balliet, Chairman  
Jay Hower, Vice Chairman  
Robert Koch  
Bernard Cesanek  
Vincent Sarnicky

Brien Kocher, P.E.  
B. Lincoln Treadwell, Jr., Esq.  
Ilene M. Eckhart, Manager

**MINUTES  
ALLEN TOWNSHIP SUPERVISORS  
WORKSHOP MEETING  
WEDNESDAY MARCH 28, 2001  
7:00 P.M.**

A workshop meeting of the Allen Township Supervisors was held on Wednesday March 28, 2001 at 7:00 P.M. at the Allen Township Municipal Building, 4714 Indian Trail Road, Northampton, Pennsylvania 18067. The Pledge of Allegiance was recited by all present, led by Chairman Paul Balliet.

Roll Call: Paul Balliet - Present; Bernard Cesanek – Absent (Tardy); Robert Koch - Present; Vincent Sarnicky – Present; Jay Hower - Absent; Brien Kocher, P.E. - Present; B. Lincoln Treadwell, Jr, Esq. – Present and Ilene M. Eckhart - Present.

**I. Opening of Bids (In-place contracts and material requirements 7:00 PM):** Mr. Balliet read aloud sealed bids received as follows:

**In place contracts:** The following contractors submitted bids for 1.) 19,400 square yards bituminous seal coating double application, in place and 2.) 14,150 square yards ID-2 binder wearing course, in place, 1-1/2" thick, and 3.) 290 tons 90-pound ID-2 scratch course, in place per the Township's bid specifications as follows:

Bracalente Construction, Inc. – Bituminous seal coating, described above: No bid, ID-2 wearing course, described above: \$2.96 unit/\$41,884.00 total bid and 90-pound ID-2 scratch course: \$35.15 unit/\$10,193.50 total bid.

Dosch King Emulsions, Inc. - Bituminous seal coating, described above: \$1.60 unit/\$31,040.00 , ID-2 wearing course and 90-pound ID-2 scratch course, described above: No bid.

Lehigh Asphalt Paving and Construction Co. - Bituminous seal coating, described above: \$1.61 unit/\$31,234.00 total bid, ID-2 wearing course, described above: \$3.06 unit/\$43,299.00 total bid and 90-pound ID-2 scratch course: \$33.89 unit/\$9,828.10 total bid.

Gorman Bros. Inc. - Bituminous seal coating, described above: \$1.70 unit/\$31,450.00 total bid, ID-2 binder course and 90-pound ID-2 scratch course: no bid.

Hanson Aggregates Pennsylvania, Inc. - Bituminous seal coating, described above: \$2.10 unit/\$40,740.00 total bid, ID-2 wearing course, described above: \$3.50 unit/\$49,525.00 total bid and 90-pound ID-2 scratch course: \$42.00 unit/\$12,180.00 total bid.

Eastern Industries, Inc. - Bituminous seal coating, described above: \$1.80 unit/\$34,920.00 total bid, ID-2 wearing course, described above: \$3.05 unit/\$43,157.50 total bid and 90-pound ID-2 scratch course: \$35.20 unit/\$10,208.00 total bid.

PAN Paving. - Bituminous seal coating, described above: no bid, ID-2 wearing course, described above: \$3.99 unit/\$56,458.50 total bid and 90-pound ID-2 scratch course: \$39.00 unit/\$11,310.00 total bid.

**Materials:** The following suppliers/contractors submitted bids stone and asphalt, per the Township's bid specifications as follows:

Eastern Industries, Inc. -

| AASHTO #'s for Stone bids: | FOB                            |
|----------------------------|--------------------------------|
| 1250 Tons 2A               | - \$4.45 unit/\$5,562.50 total |
| 200 Tons 8                 | - \$6.90 unit/\$1,380.00 total |
| 200 Tons 1                 | - \$5.75 unit/\$1,150.00 total |
| 300 Tons 57                | - \$6.00 unit/\$1,800.00 total |
| 600 Tons 9                 | - No bid                       |
| 200 Tons 3                 | - \$5.75 unit/\$1,150.00 total |

Asphalt products:

|                      |                            |
|----------------------|----------------------------|
| 500 Tons ID2 Wearing | - \$28.00 unit/\$14,000.00 |
| 1000 Tons ID2 Binder | - \$26.25 unit/\$26,250.00 |
| 1000 Tons BCBC       | - \$25.20 unit/\$25,200.00 |

Other:

|                   |  |
|-------------------|--|
| 500 Gallons Ac-20 | - \$3.00 unit/\$1,500.00                               |
| 500 Gallons E8    | - \$1.75 (E-8 substituted due to compatible aggregate) |

Keystone Aggregates Products Co. -

| AASHTO #'s for Stone bids: | FOB                          | Delivered                    |
|----------------------------|------------------------------|------------------------------|
| 1250 Tons 2A               | \$4.25unit/\$5,312.50total   | \$6.10 unit/\$7,625.00 total |
| 200 Tons 8                 | \$5.50 unit/\$1,100.00 total | \$7.35 unit/\$1,470.00 total |
| 200 Tons 1                 | \$5.00 unit/\$1,000.00 total | \$6.85 unit/\$1,370.00 total |
| 300 Tons 57                | \$5.00 unit/\$1,500.00 total | \$6.85 unit/\$2,055.00 total |
| 600 Tons 9                 | No bid                       | No bid                       |
| 200 Tons 3 -               | \$5.00 unit/\$1,000.00 total | \$6.85 unit/\$1,370.00 total |

Asphalt products:

|                      |   |        |
|----------------------|---|--------|
| 500 Tons ID2 Wearing | - | No bid |
| 1000 Tons ID2 Binder | - | No bid |
| 1000 Tons BCBC       | - | No bid |

Other:

|                   |   |        |
|-------------------|---|--------|
| 500 Gallons Ac-20 | - | No bid |
| 500 Gallons E8    | - | No bid |

Tilcon New York, Inc. -

| AASHTO #'s for Stone bids: | FOB                           | Delivered                     |
|----------------------------|-------------------------------|-------------------------------|
| 1250 Tons 2A               | \$6.50 unit/\$8,125.00 total  | \$14.50unit/\$18,125.00 total |
| 200 Tons 8                 | \$9.50 unit/\$1,900.00 total  | \$15.50 unit/\$3,100.00 total |
| 200 Tons 1                 | \$7.50 unit/\$1,500.00 total  | \$13.50 unit/\$2,700.00 total |
| 300 Tons 57                | \$6.50 unit/\$1,950.00 total  | \$12.50 unit/\$3,750.00 total |
| 600 Tons 9                 | \$10.00 unit/\$6,000.00 total | \$16.00 unit/\$9,600.00 total |
| 200 Tons 3                 | \$7.50 unit/\$1,500.00 total  | \$13.50 unit/\$2,700.00 total |

Asphalt products:

|                        |         |                  |       |         |
|------------------------|---------|------------------|-------|---------|
| 500 Tons ID2 Wearing   | \$27.00 | unit/\$13,500.00 | total | \$33.50 |
| unit/\$16,750.00 total |         |                  |       |         |
| 1000 Tons ID2 Binder   | \$7.50  | unit/\$1,500.00  | total | \$33.00 |
| unit/\$33,000.00 total |         |                  |       |         |
| 1000 Tons BCBC         | \$7.50  | unit/\$1,500.00  | total | \$33.00 |
| unit/\$33,000.00 total |         |                  |       |         |

Other:

|                   |   |        |
|-------------------|---|--------|
| 500 Gallons Ac-20 | - | No bid |
| 500 Gallons E8    | - | No bid |

Mr. Balliet indicated the bids would be awarded at a subsequent meeting following review.

**II. Act 537 Official Sewer Plan Amendment, public comment**

**hearing:** Mr. Kocher indicated the public comment session for the Act 537 Plan has been properly advertised for tonight's meeting. Mr. Kocher reported the plan as presented establishes an additional option to the Township's base plan. In light of the recent Intermunicipal Sewer Service Agreement between Northampton Borough and Allen Township, alternative #4 of the plan has been established as the most financially feasible option. Mr. Kocher explained the service areas have not changed from the previously approved plan with the main goal to extend the sewer service to the Atlas Heights and Drexel Heights areas. Atlas Heights and Drexel Heights are proposed to flow to the Railroad Interceptor. Mr. Kocher additionally reported the areas proposed for new residential development west of Savage Road would flow to a connection point in the vicinity of Eight Street in Northampton Borough. Mr. Kocher forecasted a tapping fee of approximately \$3,000 per EDU and an estimated annual user fee of \$465 for the average user as part of the amendment.

Mr. Balliet offered a period of public comment and questions, to which there was no response from the audience. Mr. Kocher then advised that the plan remain on display and the public comment period remain open until the April 4, 2001. After some further discussion, the Board agreed by consensus to consider adoption of the plan amendment at the April 12, 2001 General Meeting.

Public to be Heard: No comments from the audience.

General Business:

A. Developer's sewer reimbursement component (s) for discussion: Mr. Kocher reported that one of the decisions before the Board in light of their operation of the Township public sewer services, includes the request for reimbursement of off-site construction as presented by the developer of the Wynne Field Subdivision. Mr. Kocher further explained that Act 203 provides for reimbursement of portion of the off-site construction of the line, which will serve the above-mentioned development as additional developers tap into to the line. Mr. Kocher indicated that the law provides the calculation be based on the cost of the line divided by the capacity of the line. Mr. Kocher stated that the Wynne Field reimbursement component calculates to approximately \$400.00 per connection. Mr. Sarnicky made a motion to approve the stated reimbursement calculation, for the developer of Wynne Field Estates, of approximately \$400.00 per connection; seconded by Mr. Cesanek. On the motion, by roll call vote, all supervisors present voted yes.

B. Wynne Field Estates: Mr. Kocher explained that the Wynne Field Estates Availability of Public Sewer Service would need to be revised to reflect that a change to the period for availability and some minor wording changes. On the question, from Mr. Koch, Mr. Treadwell responded that this letter of availability does not require reservation fees. After some further discussion, Mr.

Sarnicky made a motion to approve the March 12, 2001 (Draft #2) letter of public sewer service availability for the Wynne Field Estates Subdivision from the Allen Township Board of Supervisors to Mrs. Loretta Hricak containing the general conditions as follows: **1.)** The Developer is obligated to provide all designs, details and construction of public sewer facilities to the point of connection in the existing or planned public lines in accordance with the Rates, Rules and Regulations and the Construction Standards of the Township; **2.)** The Developer is obligated to enter into an Improvements Agreement and post security for these improvements prior to any construction or final approval; **3.)** The Developer is obligated to pay or arrange for future payment of all applicable Tapping Fees for sewer service at the time of application for individual building permits; **4.)** This letter of service availability will expire and become void within 10-years of the date of this letter, unless Phase I of the Subdivision Plans are not recorded within five years of the date of final approval. In that event this letter of availability will expire and become void at that time. Reasonable extensions to this deadline can be granted upon a specific request at the option of the Township; **5.)** The Developer and/or the Township has obtained all necessary Department of Environmental Protection (D.E.P.) Permits and approvals for the construction of the facilities; **6.)** The Developer shall pay to the Township, a sum of \$180,620, toward the construction, and right-of-way cost associated with an interceptor along the Dry Run, at a location selected by the Township. \$16,400.00 of which is for contingencies which, if any portion of the \$16,400.00 is not needed from contingencies the unused portion will be returned to the developer and **7.)** The Developer and Township will enter into a reimbursement agreement to return a portion of her contribution to the Dry Run Interceptor via future tapping fees, as will be defined in the future agreement; seconded by Mr. Cesanek. On the motion, by roll call vote, all supervisors present voted yes.

Mr. Kocher further explained the Wynne Field Subdivision Final Plan Conditional Approval has been revised to reflect the dissolution of the Allen Township Authority. He detailed the revised draft motion for the Board consideration containing the following points: **1.)** The developer acknowledges that this approval replace and supercedes the previous Final Plan approval granted by the Board of Supervisors at their meeting of December 28, 2000; **2.)** The developer shall enter into Developer Agreements as determined necessary by the Township Solicitor and post financial security in an amount certified by the developer's engineer and approved by the Township Engineer; **3.)** The developer shall pay the recreation fee of \$18,150.00 to the Township prior to the recording of the Final Plans for Phase I; **4.)** The Developer agrees that the landscape buffer on the south property line of this tract shall consist of the existing trees as well as trees planted by the Developer at locations detailed in Hanover Engineering Associates, Inc letter dated January 17, 2001, acknowledged by the Jainds; **5.)** The Developer agrees to all conditions of the Allen Township Sewer Capacity letter dated march 12, 2001; **6.)** The Final plans shall note an the developer's agreements shall specifically detail restrictions and risks assumed by the Developer regarding the following: a.) No

lot can be sold or building/zoning permits issued until such time as: i. The developer must provide the sewer contribution stipulated in the sewer service availability letter of March 12, 2001 within 90 days of the plan recording; ii. The developer an/or Township has acquired all off-site easements and/or property required for the sanitary sewer lines required for the approved Regional Sewer Official Act 537 Plan; iii. The developer and/or Township obtains all on-site and off-site permit from the Department of Environmental Protection for the development and the off-site sanitary sewer facilities and iv. the applicant has received the stormwater easement from Jaindl to allow the construction of off-site stormwater facilities; and 7.) The developer must provide a signed construction/service agreement with Northampton Borough Water Authority. After some discussion, Mr. Sarnicky made a motion to grant conditional approval with the above described points for the Wynne Field Estates Final Plan Conditional Approval; seconded by Mr. Cesanek. On the motion, by roll call vote, all supervisors present voted yes.

C. Sewer Rates, Rules and Regulations: Ms. Eckhart indicated that she has reviewed the current sewer calculation, in light of the concept of combining the billing for sewer service by Allen Township with the water service billing of NBMA, and has determined a percentage between 135 to 140% of the current NBMA water bill for the purposes of sewer billing. She indicated she reached this percentage after analyzing historic usage reports for the Allen Township NBMA customers currently connected to the sewer system. Mr. Balliet felt this would be a simplified method and NBMA has offered to generate the combined billing at a nominal cost to the Township. Ms. Eckhart further explained that when and if City of Bethlehem water customers come on line for sewer, a district would be specifically created due to the difference in costs for water service. Mr. Koch questioned if the City of Bethlehem is willing to perform the sewer billing? Mr. Kocher indicated that the City must provide the water readings if requested. Mr. Koch further questioned how the existing well customers would be billed? Ms. Eckhart responded they would be handled as they are currently – based on manual readings from the private well meter. Mr. Koch questioned how this would be enforced? Ms. Eckhart responded as in the past with the Authority “honor” system and currently under the Township’s adopted former Authority rules. Mr. Koch further questioned how we would control the cost of the water? Ms. Eckhart suggested the monitoring of the water read historic data using the existing formula and adjust the percentage rate accordingly. Ms. Eckhart interjected it was a concept – the Board could leave it as is. After some discussion, Mr. Sarnicky made a motion to authorize the billing of sewer for water customers currently serviced with NBMA water at 140% of the water total billed on a quarterly basis; seconded by Mr. Cesanek. On the motion, by roll call vote, all supervisors present voted yes with the exception of Mr. Koch who voted no.

D. R-2 Zoning District, change: Mr. Kocher reported the Planning Commission has completed the study as previously directed by the Board and Hanover Engineering has issued a report to the Board via a letter dated March

20, 2001. He further explained that essentially, the Commission recommended to the Board that duplexes not be allowed as a conditional use within the R-2 Zoning District and that the R-3 Zoning District be revised to bound the existing Zoning District boundary (which is Savage Road) to the north, the Township line to the west, the Eileen Sipos lands containing quarries to the south, and the existing tree row/property line and the Dry Run Creek to the east. Mr. Koch questioned the zoning district utilizing boundaries other than property lines – he felt the rest of the Township uses this system? Mr. Kocher indicated the intent of the Planning Commission was to use the natural physical boundaries to define the area. Mr. Sarnicky made a motion to begin the process to revise the R-2 Zoning District pursuant to the Planning Commission's recommendation as stated in the above mentioned March 20, 2001 Hanover Engineering letter; seconded by Mr. Balliet. On the motion, by roll call vote, all supervisors present voted yes with the exception of Mr. Cesanek who voted no. Mr. Kocher indicated he and Mr. Treadwell would draft the necessary change for the Board's approval to advertise at a future meeting.

E. Danner Alley, extent of Boards dedication/responsibility: Ms. Eckhart reported there was a question from East Allen Township Zoning Officer if a certain building lot could gain access from Danner Alley. Ms. Eckhart explained that East Allen would not issue a building permit from the same physical alley within their municipal boundaries, as it is not improved to East Allen Township specifications. Therefore, Ms. Eckhart indicated that clarification was necessary as to the extent of Danner Alley – does it terminate at Barkley Drive or the municipal boundary (E. Allen/Allen Township). She felt this was unclear as shown on the Township's Official Map. Mr. Balliet felt this was an issue, which E. Allen Township was responsible to resolve. Ms. Eckhart explained further details of East Allen's ordinance restrictions. After some discussion, the Board advised Ms. Eckhart by consensus of opinion that Danner Alley does terminate at the intersection of Barkley Drive not the E. Allen/Allen Township municipal boundary. Mr. Balliet further felt that Ms. Eckhart should draft a letter to the East Allen Township Zoning Officer explaining the position of the Board concerning this matter.

F. Willowbrook Road capital construction, status of LVIA response: Ms. Eckhart reported correspondence in the form of a response letter to Mr. Treadwell's request has been received from LVIA concerning future improvements to Willowbrook Road south of the Catasaquua Creek. Ms. Eckhart further indicated that the LVIA response letter suggests that the Township proceed with plans for Willowbrook Road as they have no plans that would negatively impact the area for at least five to ten years. Mr. Sarnicky referred to recent newspaper articles, which have stated that LVIA intends to extend their current northern runways and would restudy these areas. Ms. Eckhart further commented that the letter alludes to future Master Plan revision meetings to which the Township would be invited. Mr. Balliet felt the Board could proceed with Willowbrook Road plans and if such time that LVIA would take it over they would need to relocate or realign as necessary.

G. Inspection station permit: Mr. Treadwell reported he has researched the validity of the Township's current inspection station permit and concluded that a public entity cannot legally operate this station. Mr. Treadwell indicated the only exception is a public entity that owns or leases fifteen or more vehicles. Mr. Treadwell further reported that although PennDOT issued the current permit it was an error. Mr. Koch questioned how the question arose? Mr. Treadwell responded the Township's insurance carrier questioned the legal position of the Township holding such a permit. Following some discussion concerning the associated insurance requirements of the permit, the Board agreed by consensus to relinquish the permit as issued.

H. Correspondence from Tax Collector's representative: Mr. Treadwell reported he received a letter from an attorney representing the Township's current Tax Collector asking the Board to reconsider their position regarding the recently established compensation. Mr. Treadwell reiterated that the commission was previously set, by resolution of the Board, at 5% of taxes collected but it was recently changed to \$5,000 annually. He further noted the letter asked that it be changed to 4.5% of the amount collected. On the question from Mr. Balliet, Mr. Treadwell advised that the compensation cannot be changed due to the time limitation for the governing resolution and that the only manner in which it could be changed at this point would be as a settlement of court action. Mr. Balliet discussed the Board's action reducing the amount, citing references to the Pennsylvania Economy League study (2000) regarding compensation for tax collectors. He further ensured it was not a reflection on the performance of the work of the present Tax Collector. Additionally, Mr. Balliet explained that at the present time the Board could not change the compensation.

I. Highway Opening Ordinance, #2001-01, for Board action: Ms. Eckhart reported the aforementioned ordinance draft has been properly advertised and is ready for final consideration by the Board. Mr. Sarnicky made a motion to adopt Ordinance #2001-01 regarding the opening of highways; seconded by Mr. Cesanek. On the motion, by roll call vote, all supervisors present voted yes.

J. Draft Severance Agreement: Mr. Treadwell reported a severance agreement for the Township Manager has been drafted and specific details regarding the compensation factors for wage and healthcare coverage need to be discussed by the Board, prior to further consideration. The Board tabled this matter until the next meeting.

K. Nextel Phone System, update: Ms. Eckhart provided a cost comparison of the Nextel two-way/cellular phone system vs. other communications options as directed at the last meeting of the Board. Ms. Eckhart indicated the "10 Phone Free" promotion has been included in the cost comparison. Ms. Eckhart indicated that the largest cost is that of annual usage. After some further discussion regarding the difference in usage for this system vs. the current

Township equipment and the reliability of coverage, the Board directed Ms. Eckhart to provide further costs using cellular phones for the additional road crew members. Ms. Eckhart indicated she would provide costs for this option but was unsure if any other providers offer the two-way/cellular equipment.

L. Status of International dump truck: Mr. Balliet indicated the International Dump Truck has experienced several mechanical failures recently and suggested the Board consider selling this vehicle. Mr. Balliet summarized the recent costs to keep the vehicle in running order. Mr. Cesanek agreed it should be sold and made a motion to bid the truck for sale with a bid minimum and if not sold in this manner to include this truck in the next local municipal auction; seconded by Mr. Sarnicky. On the motion, by roll call vote, all supervisors present voted yes with the exception of Mr. Koch who voted no.

M. Full Body Harness: Ms. Eckhart provided details regarding the purchase of a full body harness to be used by the road crew during overhead operations in conjunction with the pay loader. Ms. Eckhart indicated the cost would be approximately \$250.00 for one unit. The Board briefly discussed the need for additional safety equipment that would be needed if the Board intended to meet all OSHA standards. By example it was discussed that a "cage" for overhead operations would also be necessary and that to be fully compliant the regulations should be researched.

N. Crack sealing program: Ms. Eckhart presented and asked the Board to consider, the concept of sharing in the cost of a crack sealing machine rental at the rate of \$2,000/monthly to be shared with North Catasauqua Borough. She additionally explained the proposal would also included the combination and sharing of work forces with each municipality purchasing their own material for use with the machine. Following some discussion, Mr. Sarnicky made a motion to proceed with the rental of the machine, to be shared with North Catasauqua at a rate of \$1,000 per municipality for one month; seconded by Mr. Cesanek. On the motion, by roll call vote, all supervisors present voted yes. Ms. Eckhart further indicated that in the past the Board has considered the purchase of a 1-gallon pot in the amount of \$1,000 for the application of crack sealing material. She indicated the Board's last action was to demonstrate the machine and decide at some later date if they wished to purchase the item. Ms. Eckhart indicated that the purchase of the item never returned to the table. On the question from Mr. Balliet, Mr. Koch indicated he had no information and felt the Board agreed in the past to purchase the item. Mr. Sarnicky made a motion to purchase a mobile 1- gallon capacity pot for crack sealing purposes; seconded by Mr. Cesanek. On the motion, by roll call vote, all supervisors present voted yes.

O. Air conditioner Replacement: Mr. Balliet indicated the current air-conditioning units are reaching a point of disrepair and felt they should be replaced. Mr. Balliet felt a central air system would cost approximately \$18,000 for the entire office building. Mr. Balliet suggested at the present time two wall

Commission. Mr. Kocher explained the various phases of the plan as directed by the Board of Supervisors.

Mr. Gregory Seng, Phyllese Drive, questioned the time frame for Wynne Field Estates Subdivision and how the developer would proceed from this point forward in light of the approval. Mr. Kocher responded the developer has not requested the required pre-construction meeting. Mr. Kocher further explained that the approved berms would be installed with each phase. Mr. Kocher also referred to the recent submission of an architectural render of the proposed units.

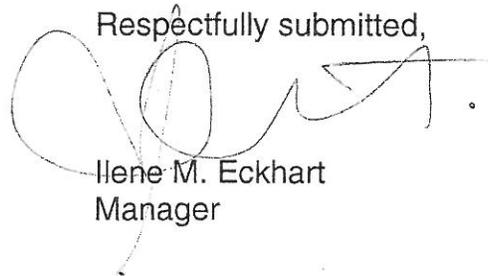
Mr. Gregory Seng, Phyllese Drive, questioned the street light assessment for development areas. Mr. Peter Pavlovic, Phyllese Drive, also questioned the legalities involved with this type of assessment. Mr. Treadwell referred to various sections of law, which allow for the street light district assessment. Additionally, the Board discussed a change in this process to recover the costs for lighting. Ms. Eckhart indicated she would provide a report for the next meeting of what is currently spent and other related information.

Mr. Metro Leshak, Kohls Road, questioned the source of the stone fill being deposited at the Howertown Park – did the contractor or PennDOT ask to place it there? Mr. Balliet explained the Township has an arrangement to obtain the fill, which is at no cost to the Township.

Messrs. Bruce Frack and Peter Pavlovic, both of questioned the timeframe to extend John Drive and the status of erosion control devices in the development area of Atlas Estates Twins Phase II. Mr. Kocher indicated that the Township does not have the authority to enforce the erosion/sedimentation measures and that jurisdiction is with Northampton County Conservation District. Additionally, Mr. Kocher agreed to research the timeframe responsibility of the developer for the completion of John Drive.

There being no further business, the meeting was adjourned.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Ilene M. Eckhart', is written over the typed name and title.

Ilene M. Eckhart  
Manager



## LEHIGH VALLEY PLANNING COMMISSION

961 MARCON BOULEVARD, SUITE 310, ALLENTOWN, PENNSYLVANIA 18109-9397  
610-264-4544; FAX 610-264-2616

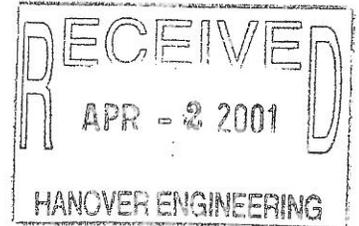
IRA J. FARO  
Chair

ELEANORE M. HAYDEN  
Vice Chair

STEVEN L. GLICKMAN  
Treasurer

MICHAEL N. KAISER  
Executive Director

March 30, 2001



Mr. Brien Kocher, P.E.  
Hanover Engineering Associates, Inc.  
252 Brodhead Road, Suite 100  
Bethlehem, Pennsylvania 18017-8937

***Re: Draft Official Sewage Facilities Plan - Addendum C - Allen Township,  
Northampton County***

Dear Mr. Kocher:

The Lehigh Valley Planning Commission (LVPC), at its regular monthly meeting on March 29, 2001, reviewed the above-referenced plan. Our review was based on the adopted plans and policies of the LVPC and provisions of the Pennsylvania Sewage Facilities Act (Act 537). We offer the following comments.

The draft plan proposes public sewer service provided by Northampton Borough to certain areas of the Township. The proposed sewer service areas include the existing Atlas Heights and Drexel Heights developments and other areas to the north and south of Route 329. The total 10-year flow projections from these areas are 243,510 gallons per day (gpd). The estimated annual user fee is \$465. A previous version of the Township's Act 537 Plan proposed service by the Catasauqua treatment plant. Due to a new agreement with Northampton Borough, service through the Northampton plant is identified as the best option. The draft plan also proposes to conduct a study of sewage disposal needs for the Kreidersville, Seemsville and East Allen Gardens areas by 2006.

The Northampton Borough treatment plant has sufficient capacity to provide service to the proposed areas according to LVPC records. In general, the proposed service areas within Allen Township are consistent with our *Water Supply and Sewage Facilities Plan*, December 1995. There are two areas proposed for sewers that we recommend for on-lot sewage disposal. These areas are located north of Route 329 and along Weaversville Road. We recommend the Township include documentation in their plan that identifies the need for public sewers for these areas. We note that within the Township the plan is consistent with our farmland preservation recommendations. However, the draft plan proposes sewer service to the proposed Northampton High School in East Allen Township. This site is in an area recommended for farmland preservation in the *Comprehensive Plan for Lehigh and Northampton Counties*. The provision of public sewer service is inconsistent with LVPC plans and policies. Agriculture-related land uses and on-lot sewage disposal are recommended to serve such areas.

VII-27

Mr. Brien Kocher, P.E.  
Hanover Engineering Associates, Inc.  
March 30, 2001

As part of an Act 537 plan, an evaluation of the sewage disposal needs of the entire municipality should be completed. We note that the Township proposes to study three additional areas of the Township by 2006. These areas were identified in our sewer and water plan as potential on-lot sewage disposal problems areas. We recommend the Township evaluate the needs of the entire Township to ensure that all on-lot systems are functioning properly. In addition, there is one central sewage system (Whispering Hollow South Mobile Home Park) in the Township. We recommend that the Township include an evaluation of and recommendations for the system to ensure its proper long-term operation.

Please contact Susan L. Rockwell if you have any questions regarding these comments.

Sincerely,



Geoffrey A. Reese, P.E.  
Chief Engineer

cc: Allen Township Supervisors  
Ilene Eckhart, Allen Township Manager  
East Allen Township Supervisors  
Harley Davis, PA Department of Environmental Protection

VII-28

# Proof of Publication of Notice in The Home News

State of Pennsylvania, }  
 County of Northampton, } ss:

William J. Halbfoerster, Publisher of THE HOME NEWS, being duly sworn, deposes and says that THE HOME NEWS is a weekly periodical, of general circulation, published in the Borough of Bath, Pa., which periodical was established December 11, 1942, since which date said periodical has been regularly issued weekly; that a copy of the printed notice or publication is attached hereto exactly as the same was printed and published in the regular editions and issues of the said periodical on the following dates, viz:.....  
 ..... March 8, 2001 .....

**ALLEN TOWNSHIP  
 NOTICE OF  
 PROPOSED AMENDMENT**

The Board of Supervisors, Allen Township, Northampton County, Pennsylvania, will receive comment on a proposed Act 537 Official Sewer Plan amendment for Allen Township dated February 8, 2001.

Written or verbal comments may be given at the regular Board of Supervisors meeting, March 28, 2001, comments can be mailed or delivered to Allen Township, 4714 Indian Trail Road, Northampton, PA 18067-9492.

The Plan proposes the construction of a public sanitary sewer collection system within the Dry Run watershed within Allen Township. The sewer will connect to a manhole in the Borough of Northampton to the south of the Dry Run Creek and west of Howertown Road. The Railroad Interceptor will extend from its current termination point to Seemsville Road. All sewage flows from the Dry Run Interceptor and the Railroad Interceptor will be treated at the Borough of Northampton Wastewater Treatment Plant.

Areas not served by public sewer would continue to use on-lot sewage facilities.

The proposed system will serve the areas within the Township between West Bullshead Road and Route 329 and the properties abutting Route 329 to the north. The system will also serve the proposed Northampton High School to be located at Seemsville Road and Route 329 in East Allen Township. This service area does include Drexel Heights and Atlas Heights.

The proposed tapping fee for connection to the sewer system is projected to be \$3,000.00 with a projected annual user fee of \$465 for a typical single-family dwelling. The total cost of this option is estimated at \$1.8 million.

ackn have The draft of the Official Sewer Plan may be seen and reviewed at the Allen Township Building, 4714 Indian Trail Road, Northampton, Pa. during the hours of 8:00 a.m. and 4:00 p.m., Monday through Friday, excluding Holidays. Telephone 610-262-7012.  
 Ilene Marie Eckhart  
 Secretary-Treasurer

that the affiant is the publisher of THE HOME NEWS and declares that He is not interested in the subject matter of the aforesaid advertisement, and that all allegations of the time, place and character of the publication are true.

Sworn to and subscribed before me  
 this...19<sup>th</sup> day of March,  
 A.D. 2001.....

NOTARIAL SEAL  
 Barbara A. Brown, Notary Public  
 Bath Borough, County of Northampton  
 My Commission Expires Jan. 15, 2004

*William J. Halbfoerster*  
*Barbara A. Brown*

## Statement of Advertising Costs

Allen Township  
 .....  
 4714 Indian Trail Road  
 .....  
 Northampton, PA 18067  
 .....

To THE HOME NEWS, Dr.

|   |          |
|---|----------|
| For publishing the notice or advertisement attached hereto on the above dates . . . | \$ 38.50 |
| Probating same . . . . .  | \$ 2.00  |
| Total . . . . .   | \$ 40.50 |

## Receipt for Advertising Costs

publisher of THE HOME NEWS, a weekly periodical, hereby said advertising and publication costs and certifies that the same

THE HOME NEWS  
 By...*William J. Halbfoerster*.....

SECTION VIII - INTERMUNICIPAL AGREEMENT

**INTERMUNICIPAL SEWER SERVICE AGREEMENT  
ALLEN TOWNSHIP AND NORTHAMPTON BOROUGH**

This Agreement, made this 8th day of March, 2001, between the Borough of Northampton, a political subdivision located in the County of Northampton, Commonwealth of Pennsylvania, with its principal office located at 1401 Laubach Avenue, Northampton, Pennsylvania, 18067 (hereinafter referred to as "Borough") and Allen Township, a Municipal Corporation, with its principal office located at 4714 Indian Trail Road, Northampton, Pennsylvania, 18067 (hereinafter referred to as "Township").

**RECITALS**

WHEREAS, the BOROUGH is the owner and operator of a sewage collection and transmission system (the Borough Sewer System) in the Borough of Northampton, used to collect Wastewater within the Borough and transmit the same to the Northampton Treatment Plant for treatment and disposal; and

WHEREAS, the TOWNSHIP proposes to acquire by construction and/or acquisition a sanitary sewage collection and transmission system (the TOWNSHIP Sewer System) to provide sanitary sewer service in and to portions of Allen Township and to connect said system to the BOROUGH Sewer System for transmission of Wastewater collected in the TOWNSHIP Sewer System through the BOROUGH Sewer System to the Northampton Treatment Plant for treatment and disposal; and

WHEREAS, the parties hereto desire to set forth their agreement with regard to the connection by the TOWNSHIP of the TOWNSHIP Sewer System to the BOROUGH Sewer System; and

NOW THEREFORE, intending to be legally bound, the parties hereto do hereby promise, covenant and agree as follows:

**ARTICLE I  
RECITALS**

Section 1.0.1 Recitals.

The Recitals set forth above are hereby incorporated into and made a part of this Agreement.

**ARTICLE II  
DEFINITIONS**

Section 2.0.1. Defined terms.

The terms defined in this Section 2.0.1, whenever used or referred to in this agreement, shall have the respective meanings indicated unless a different meaning clearly appears from the context.

“Allocated Capacity” shall mean the contractual right of the Township during the term of this Agreement to discharge Wastewater into the Borough Sewer System, calculated as an Average Daily Flow on a quarterly basis as set forth in this Agreement, in an amount established under the terms hereof; provided, however, that such contractual right shall not be deemed to vest any legal ownership or title to the Treatment Plant in favor of the Township, which legal ownership or title shall remain exclusively in the Borough throughout the term hereof and thereafter.

“Annual Average Flow” shall be the average daily flow in MGD for all wastewater flows during the billing year or budget year as the case may be.

“Average Daily Flow” for a period of time shall be calculated by dividing the total aggregate gallonage of metered flow during the period by the number of days in the period; however metered flows shall be determined by reading the individual building water meters.

“Borough” shall mean the Borough of Northampton, County of Northampton, Commonwealth of Pennsylvania, a political subdivision of the Commonwealth, acting by and through its Borough Council.

“Borough Sewer System” shall mean all facilities within the Borough used or usable for the collecting, transporting, and pumping of Wastewater, which facilities are connected to and served by the Northampton Borough Treatment Plant.

“Capacity” shall mean the maximum quantity of Wastewater which can be accepted by the existing or any new or changed or upgraded Northampton Borough Treatment Plant as measured by hydraulic (flows) or organic (BOD5) parameters or by any other parameter set forth by Northampton Borough or any regulatory agency(s).

“Capacity Fee” shall mean a fee of \$1,500 payable from the Township to the Borough in accordance with Section 4.0.1 herein. The Capacity Fee shall be the only fee charged to the Township for connection of a residence to the Township System. The Borough shall not charge a Tapping Fee, Connection Fee or any other fee relative to the connection of a residence to the Township System.

“Commonwealth” shall mean the Commonwealth of Pennsylvania.

“Connection Date” shall mean the date of initial discharge of Wastewater by the Township into the Borough Sewer System.

“Connection Points” shall mean the one or more locations, as approved by the Borough, for the connection of the Township Sewer System to the Borough Sewer System. The initially approved Connection Points shall be located at: 1.) the Railroad Interceptor near Phyllese Drive in Allen Township; 2.) near Howertown Road in Northampton Borough along or near the Dry Run Creek; and 3.) on the property of the Sacred Heart Assisted Living facility. Future connection points may be established from

2/28/2001

time to time as deemed appropriate or necessary upon the mutual agreement of the Township and the Borough.

“Consulting Engineer” shall mean an engineer or engineering firm registered in Pennsylvania and qualified to render professional opinions on Sewage engineering questions, employed from time to time by the party to whom reference is made in connection with such term. Either party is free to employ any other engineer when they see fit without consulting with or without approval of the other party.

“DEP” shall mean the Department of Environmental Protection of the Commonwealth.

“Equivalent Dwelling Unit (EDU)” is the term used to represent the metered volume of water used per quarter by any single-family dwelling connected to the sewer system. For the terms of this agreement, 1 (one) EDU shall be considered 260 GPD.

“Fiscal Year” shall mean the fiscal year of Borough as provided by the Laws of Commonwealth which, for the purpose of this Agreement and unless otherwise provided, shall commence on January 1 of each year.

“GPD” shall mean gallons of Wastewater discharged (metered) during a twenty-four hour period commencing 12 noon prevailing time, on any particular calendar day and ending 12 noon prevailing time, the following calendar day.

“Improved Property” shall mean any property upon which there is erected a structure, which may be used or is intended for continuous or periodic habitation, occupancy or use by human beings or animals and from which structure Sewage or Industrial Waste may be discharged to the Borough Sewer System or the Township Sewer System.

“Industrial Waste” shall mean any solid, liquid or gaseous substance, or any form of energy, which is produced as the result or occurs, whether directly or indirectly, of any industrial, manufacturing, trade or business process or activity, or in the course of developing, recovering or processing of natural resources; but not Sewage.

“Maximum Wastewater Flow” shall be the peak instantaneous flow rate in GPD of Wastewater from the Township Sewer System to the Borough Sewer System. At no time shall the daily Maximum Wastewater Flow from the Township Sewer System be in excess of 2.5 times the Township’s Allocated Capacity.

“MGD” shall mean GPD expressed in millions of gallons.

“Municipality” being any one or all of the municipal corporations which are parties to the Agreement.

“Person” shall mean any individual, a partnership, an association, a corporation, a joint stock company, a trust, an unincorporated association, a government body, a political subdivision, a municipality, a municipality authority or any other group or legal entity. The masculine gender shall include the feminine, the singular shall include the plural where indicated by the context.

“Recording Period” shall mean the frequency that sewer meters are read, which shall be quarterly.

“Service Agreement” shall mean this document and all modifications, alterations, amendments, and supplements hereto made and delivered in accordance with provisions hereof and at such time constituting Part hereof, which term sometimes is referred to in this documents by use a such words as “hereto”, “hereby”, “herein”, “hereof”, “hereunder”, or other descriptive words or phrases having similar import;

"Service Area" shall mean all areas of Allen Township to be served by the Township as determined by the Township in their sole discretion. It does not include any area of the Township currently covered by an Intermunicipal Sewer Agreement between Allen Township (and/or its Authority) and Northampton Borough.

"Service Payment" shall mean the quarterly payment from the Township to the Borough for and with respect to the transmission of Wastewater from the Township Sewer System in and through the Borough Sewer System to the Northampton Treatment Plant for the treatment and disposal of the same by the Northampton Borough.

"Sewage" shall mean domestic sanitary sewage consisting of the normal water-carried household waste from kitchens, water closets, lavatories and laundries, or any waste from a similar source and possessing the same characteristics.

"Township" shall mean the Township of Allen, County of Northampton, Commonwealth of Pennsylvania, a political subdivision of the Commonwealth, acting by and through its Board of Supervisors.

"Township Sewer System" shall mean all collection sewers, laterals, house lines, interceptors, manholes, force mains, pumping stations and all other private or public sewage facilities now existing or which may exist from time to time in the future, which convey in any manner either directly or indirectly any Wastewater originating in the Township's Service Area and which ultimately connects to the Borough Sewer System for Treatment at the Northampton Treatment Plant.

"Treatment Plant" shall mean the Northampton Borough Treatment Plant.

"User" shall mean any Person who contributes, causes or permits the discharge of Wastewater into the Borough Sewer System or the Township Sewer System.

“Wastewater” shall mean Sewage or Industrial Waste from any Improved Property or Person which enters the Borough Sewer System or the Township Sewer System.

**ARTICLE III**  
**GRANT OF RIGHTS, TERM**

SECTION 3.0.1. Grant of Rights. By this agreement, Borough hereby grants unto Township the rights to collect, transport, deliver and discharge Wastewater from the Township Sewer System to the Borough Sewer System for treatment at the Northampton Borough Treatment Plant, subject to limitations as hereinafter set forth. The Township Sewer System may only connect with the Borough Sewer System at an approved Connection Point(s).

SECTION 3.0.2. Time of Connection. The Township shall have the right to connect to Borough Sewer System, and to have the Wastewater from Township Sewer System conveyed to and treated by the Treatment Plant. Prior to connection of the Township Sewer System with the Borough Sewer System, Township shall provide to Borough a certification from Consulting Engineers of the Township stating the following: the Township Sewer System has been constructed in accordance with the plans and specifications as approved by the Department of Environmental Protection and any other governmental agencies as required, the sewer system has met the requirements of a low pressure air test or leakage test as specified by the Township, and if applicable all pre-treatment requirements of Northampton Borough have been complied with.

SECTION 3.0.3. Transmission to Treatment Facilities.

Borough hereby agrees to transmit and convey Wastewater discharged through the Township Sewer System into the Borough Sewer System to be forwarded to the Treatment Plant of Northampton Borough, for treatment and disposal.

SECTION 3.0.4. Allocated Capacity.

The rights as granted unto Township to discharge Wastewater from the Township Sewer System into the Borough Sewer System, and to have such Wastewater treated at the Northampton Treatment Plant, shall be initially limited to an Allocated Capacity as follows:

(1.) An amount of 85,000 GPD is reserved indefinitely to represent the areas of existing homes, non-residential uses, plus an allocation for lands of Howard J. Krapf in Allen Township, in Allen Township along and south of SR0329 (North Bath Boulevard).

(g) An additional amount of 115,000 GPD is reserved for new construction in the Township for a period of (ten) 10 years from the date of this agreement.

(h) An additional amount of 200,000 GPD is governed under the terms of this agreement for a period of 10 (ten) years from the date of this agreement; however no specific reservation of capacity is granted by the Borough at this time. After the Township has expended its 115,000 GPD identified above in the way of commitments to Township developers, the Township may apply to the Borough for all or a portion of this additional 200,000 GPD. The Borough will consider granting this allocation and will grant this capacity if capacity exists at that time in the Borough's sewer and treatment system (See Section 8.01.B).

Borough shall have no obligation whatsoever to accept any Wastewater from the Township in excess of the aforesaid Allocated Capacity. Any flow from the Township in excess of its Allocated Capacity and/or its Maximum Wastewater Flow shall be subject to a surcharge as hereinafter set forth in Article VII, Section 7.0.3. In the event flows from Township exceed the Allocated Capacity, the Township shall take all steps necessary to reduce flows to its Allocated Capacity.

The Township of Allen shall have the option to purchase the Allocated Capacity, up to 400,000 GPD, on a per EDU basis as referred to in Section 4.01 hereof, or to

purchase the same in one or more lump sum payments. In the event the Township purchases the maximum amount of the Allocated Capacity, then the Township shall not be prevented from allowing additional customers to connect to the Township System, under the terms of this Agreement, provided that the actual metered wastewater transmitted through the Borough System does not exceed 400,000 GPD calculated on a quarterly basis. If the Township does not purchase the maximum Allocated Capacity available herein by April 1, 2011, then the amount of capacity available to the Township from that day forward shall be calculated by multiplying the number of EDU's purchased by 260 GPD.

SECTION 3.0.5. Term.

The rights as granted herein unto the Township, and the Service Agreement by Borough to convey and transmit such Wastewater, shall be perpetual except as provided in Section 3.0.4.

SECTION 3.0.6. Approval of Industrial Connections.

Township agrees that no Person who intends to discharge Industrial Waste shall install or make connections to the Township Sewer System without first obtaining written approval to do so from Borough.

SECTION 3.0.7. Record Keeping.

Township further agrees that it will keep during the entire duration of this Agreement a complete record of all Users presently connected to the Township Sewer System and of all permits issued to all Persons who are permitted after the date of this Service Agreement to connect to the Township Sewer System and of each lateral connection to the Township Sewer System, including records of the size and location of each connection and number of units used. Township agrees that it will make such records available at all reasonable times for examination by Borough and Borough's Consulting Engineer. The Township agrees that it will provide the Borough, within ten

(10) days of issuance, copies of all Certificate of Occupancy Permits and Sewer Permits issued by the Township.

SECTION 3.0.8. Inspection.

Borough shall have the right, in its sole discretion, upon such reasonable prior notice to Township as circumstances permit, to inspect the Township Sewer System and Township shall cooperate with Borough in such inspections. There shall be no charge to the Borough or the Township to conduct said inspections by the Township or the Borough.

SECTION 3.0.9. Borough Streets and Lands.

The Borough hereby authorizes the Township to commence and complete all construction work necessary to connect the Township Sewer System into the Borough Sewer System that requires construction within the Borough's streets or lands upon the following specific conditions:

(a) that the entire cost and expenses of constructing said extension shall be paid by the Township;

(b) that in making such extensions, the Township shall first obtain from Borough such street opening permits or other applicable permits, as are otherwise required by Persons opening streets in the Borough, and shall pay the usual and standard fees for the same;

(c) the Township shall otherwise comply with all applicable ordinances of the Borough;

(d) the Township shall be responsible for the repair of any damages to the Borough Sewer System and making any such extensions in connecting same to the Borough Sewer System;

(e) the Township will at least thirty (30) days in advance of the scheduled starting date for construction of any particular extension submit to the Borough for its review and approval, all plans showing the proposed extension, the response of the Borough to be given within thirty (30) days of the receipt of said plans from the Township and the approval of the Borough not to be unreasonably withheld;

(f) notify the Borough in writing at least forty-eight (48) hours in advance of the actual start of construction;

(g) the Borough has the right to inspect the work during its performance to insure the same is being performed in accordance with the approved plans.

(h) the Borough will cooperate with the Township to obtain any property easements required within the Borough necessary for the construction and maintenance of the sewer system.

#### SECTION 3.0.10 Service Area

The service area of this agreement shall be any area of Allen Township not already covered by an existing Intermunicipal Sewage Treatment Agreement between Allen Township (and/or its Authority) and Northampton Borough, which results in sewage entering the Borough's sewer system at a connection point identified in this agreement or another connection point approved by the Borough. It is agreed by both parties that this agreement does not replace or supercede any Intermunicipal Sewer Service Agreements currently in place between Allen Township (and/or it Authority) and Northampton Borough.

## ARTICLE IV

### MONETARY PAYMENT BY TOWNSHIP TO BOROUGH FOR CAPACITY

#### SECTION 4.0.1. Monetary Payment for Allocated Capacity.

The Capacity Fee, due to the Borough from the Township, shall be paid in installments of \$1,500 Dollars for each residential connection in the Township Service Area. A Capacity Fee of \$5.75/GPD shall be paid for non-residential connections, except that the connections to the Township system by the Northampton Area School District shall be computed on the basis of \$4.25/GPD.

The Capacity Fee payments shall be made by the Township within ten (10) days of the Township's approval and inspection of a customer connection. It is expressly understood and agreed between the parties to this Service Agreement that the obligation of this monetary payment for capacity shall be the obligation of the Township of Allen and the Township shall not, and will not, permit the connection of any User within the Township Service Area to the Township Sewer System without transmitting to the Borough the applicable installment payment, except as provided in Section 3.0.4 herein. A lump sum payment for Allocated Capacity may be made at a time to be solely determined by the Township of Allen in accordance with Section 3.0.4 herein

## ARTICLE V

### METERING, SAMPLING AND FLOW CALCULATIONS

#### SECTION 5.0.1. Flow Rate Method of Calculation.

For the purposes of verifying the amount discharged into the Borough Sewer System from the Township Sewer System, water meter readings from individual Township properties shall be read and compiled on a quarterly basis.

#### SECTION 5.0.2. Connection Records.

A copy of the records showing the number of connections to the Township Sewer System and the number of days the structure was connected shall be submitted to

Borough at the end of each recording period. The number of days a structure is connected shall be determined from the date installation payment is submitted to the Borough as described in Section 4.0.1.

SECTION 5.0.3. Metering and Sampling Flow.

The Borough shall have access to and be granted an easement to each Township manhole for the purpose of obtaining a Wastewater sample(s) for analysis or maximum flow rate. In the event that any report obtained by the Borough analyzing any sample shall state that Wastewater discharged from the Township Sewer System, or from a particular User thereof, violates the uniform and quality standards as established by the Borough of Northampton by ordinance or regulations for the Borough Sewer System or the maximum flow rate set forth in this agreement, the Borough shall notify the Township in writing of such violation. Upon receipt of said notice, the Township shall immediately commence correcting the violation and so inform the Borough in writing as to the cause and remedy of said violation. All repairs shall be completed as soon as reasonably possible. This action by the Township does not eliminate the right of the Borough to impose a surcharge for said violation as set forth in Article VI of this Service Agreement.

**ARTICLE VI**

**OPERATION, MAINTENANCE AND REPAIR OF SEWER SYSTEMS**

SECTION 6.0.1. Costs.

Township shall be responsible for paying all costs of operating, maintaining and repairing the Township Sewer System and shall keep the same maintained in proper repair and in operating condition and the Borough shall not be liable in any way or manner for damages or demands whatsoever in any manner arising or growing out of the construction, operation, maintenance or repair, or lack thereof, of the Township Sewer System. Furthermore, any damage, blockage or repairs to the Borough Sewer System that are necessitated or caused by the flow from the Township shall be paid for by Township.

SECTION 6.0.2. Indemnification.

Township agrees to save harmless and indemnify Borough from any and all claims for damages or charges or costs made by anyone or any entity for any reason arising or growing out of the construction, operation, maintenance or repair, or lack thereof, of the Township Sewer System. Township shall pay any and all legal fees of the Borough to defend any action created by virtue of the Township's actions or inactions.

Borough agrees to save harmless and indemnify Township from any and all claims for damages or charges or costs made by anyone or any entity for any reason arising or growing out of the construction, operation, maintenance or repair, or lack thereof, of the Borough Sewer System. Borough shall pay any and all legal and engineering fees of the Township to defend any action created by virtue of the Borough's actions or inactions.

SECTION 6.0.3. Effects of the Allocated Capacity of Maximum Waste Water Flow Being Exceeded.

In the event that either the Allocated Capacity or the Maximum Wastewater Flow is exceeded by the Township, the Borough shall have the following options:

(a) Require Township to take actions to decrease its flow such that the Allocated Capacity or the Maximum Wastewater Flow shall not be exceeded. In the event Borough elects this option, Township shall immediately undertake all such steps to decrease the Township flows and shall continuously and vigorously pursue all such steps until Township Wastewater flows do not exceed the limits set forth in this Service Agreement. Nothing in this paragraph shall excuse the Township for payment of the cost of said increased flow in accordance with this Agreement.

(b) Allocate additional capacity to the Township by amounts which would have been sufficient to have resulted in the Allocated Capacity and the Maximum Wastewater Flow not having been exceeded under any of the criteria

set forth in this Service Agreement as if such additional capacity had been allocated to Township on the dates when Township flows in fact exceeded these capacities. In the event the Borough elects to allocate such additional capacity, Township agrees to immediately pay to Borough an additional capacity charge of \$1,500 per additional EDU. Once this payment is made, the allocated capacity shall be deemed to be adjusted and no surcharge may be imposed by the Borough.

(c) Take such other actions as may be legally available to Borough. The selection by Borough among such options at any time shall not affect Borough's right to elect and enforce any other option at the same or at any other time.

(d) Borough shall have the right to choose such above options as Borough shall deem in its own best interest. However, Borough shall not have the right to require purchase of additional capacity if the Township can reduce flow within a reasonable period of time. Township shall have no right to require Borough to make any other particular choice among the above options. Borough shall have the right to choose one or more of the above options regarding a portion of any amount which the maximum allocated capacity is exceeded and/or to choose another of the above options regarding the remainder.

## ARTICLE VII

### SERVICE PAYMENTS TO BOROUGH

#### SECTION 7.0.1. Service Payment.

The Township shall pay to the Borough a Service Payment for and with respect to the transmission of Wastewater from the Township Sewer System in and through the Borough Sewer System to the treatment plant and the treatment and disposal of the same by Northampton Borough. The Service Payment shall be remitted quarterly with respect to each and every improved property connected to the Township Sewer System at a rate

calculated by the Borough for sanitary sewer services as set forth in Section 7.0.2.. below. The service payment shall be the residential user fee as set by the Borough and shall include the minimum service charge and the additional service charge, when applicable, as presented in Section 7.03. Any monies derived from the Estate of William G. Lerchenmiller that are applied in order to reduce the debt service or any other cost of the Borough Sewer System shall not be used in any regard to reduce the minimum service charge of Township.

SECTION 7.0.2. Minimum Service Charge.

The service charge shall be calculated based upon the total calculated Wastewater flow as described in Section 5.0.1. The minimum service charge shall be the lowest volume rate (that is charged per thousand gallons) charged by the Borough for sanitary sewer service to residents or properties within the Borough itself before any reduction for monies derived from the Lerchenmiller Estate.

SECTION 7.0.3. Additional Service Charge.

In the event the Allocated Capacity and/or Maximum Wastewater Flow from the Township Sewer System to the Borough Sewer System is exceeded for any recording period, the Township shall be deemed to rent additional capacity from the Borough equal to the amount of Wastewater flow from Township Sewer System in excess of the Township Allocated Capacity and/or Maximum Wastewater Flow. In such an event, a service charge, in addition to the minimum Service Charge shall be payable by the Township to the Borough, within thirty (30) days of written notification by Borough that the Township has exceeded its Allocated Capacity and/or Maximum Wastewater Flow, calculated as follows:

The Additional Service Charge will be the product of the amount of excess flow per day, times the number of days times the rate calculated by the Borough under Section 7.0.1. times four (4). For example, assume the Average Daily Flow

from the Township Sewer System is 10,000 GPD for an 8-day period, in excess of the Allocated Capacity, and that the minimum service charge calculated by the Borough is \$2.50 per 1,000 gallons. The additional service charge would be calculated as follows:  $(10,000 \times 8) \times (\$2.50/1,000) \times 4 = \$800$

## ARTICLE VIII OPERATIONAL RESPONSIBILITIES

### SECTION 8.0.1. Covenants.

#### A. Township Covenants

Township covenants and agrees that it will do the following at its exclusive expense:

(a) Maintain the Township Sewer System in good repair, working order and condition, including making all necessary repairs, renewals, calibrations, damage replacement, improvements and additions as may be needed from time to time.

(b) Continuously operate the same.

(c) Comply with all present and future laws, rules, regulations, permits, orders, and requirements lawfully made by the Pennsylvania Department of Environmental Protection and/or the Federal Environmental Protection Agency or any other governmental body having jurisdiction.

(d) Comply with all present and future regulations, requirements and procedures adopted in connection with the operation of the Northampton Treatment Plant.

(e) Take all steps to control and eliminate sources of infiltration and of inflow into the Township Sewer System and maintain an infiltration/ inflow rate less than 500 gallons/ inch/ mile/ day of pipe in the Township Sewer System calculated on a quarterly basis.

(f) Enact all ordinances and resolutions necessary and fulfill and implement all obligations undertaken in the Service Agreement and take all steps necessary to enforce all obligations undertaken in this Service Agreement.

(g) Township covenants and agrees that it will not accept any Sewage or Industrial Waste from any source or from any User not located in the Township Service Area which Sewage or Industrial Waste will be conveyed using the Township Sewer System to the Borough Sewer System without prior written approval of Borough. Borough shall have the right to withhold such approval or grant such approval upon such terms as it sees fit. Borough shall have the right to make an allocation for such use not located in Allen Township to such User or to a municipality or municipal Township other than Allen Township. The Borough will, however, accept sewage from East Allen Township transmitted through Allen Township's sewer system from the Northampton Area School District, Weaversville Area, and any areas adjacent to these two areas planned to be serviced through Pennsylvania Department of Environmental Protection planning procedures, as a result of planning for sewer service for the Northampton Area School District and/or Weaversville Areas. Any of these areas located outside of Allen Township approved by the Borough shall only be counted as part of the Township's Allocated Capacity, if approved in writing by the Township and the Borough.

(h) Township agrees that the sewage discharged into the Borough collection system shall not contain storm water, roof or surface drainage and no industrial waste, chemicals, or other unsuitable matter discharged into the

Township sewer system without proper Borough approvals. The regulations applying to strength and volume of sewage shall be the same as those for the Borough.

(i) The Township covenants that it will adopt a resolution imposing sewer rentals or charges upon owners of Improved Property which shall be connected to the Township's Sewer System for use thereof. The Township also covenants to thereafter keep such resolution or a subsequent resolution or resolutions imposing such sewer rentals or charges in full force and effect continuously during the term hereof.

(j) The Township shall pay the cost of any damages to the Borough Sewer System resulting from discharge of improper Sewage or Industrial Waste from the Township Sewer System and shall indemnify and hold harmless the Borough with respect thereto.

B. Borough Covenants.

The Borough represents that its existing sewer system has the physical capacity and ability to accept, convey and provide treatment for the 400,000 GPD of sewage flow from Allen Township referred to in this Agreement. The Borough shall accept sewage flows from Township at its Washington Avenue pump station from the Howertown Road connection however, both parties specifically recognize that the Borough is certifying that the capacity (and/or future Borough upgrade) of the Borough sewer system at the Howertown Road connection is limited to 175,000 GPD from the Township. If it is found that the gravity lines, pump station, and/or force main do not have adequate capacity to accept flows from Allen Township, the Borough agrees to provide any required upgrades to the Borough system to accommodate Township sewage flows. These upgrades must be undertaken by the Borough at its cost and must be performed by the Borough without delay to the Township.

**ARTICLE IX  
DISCONNECTION**

SECTION 9.0.1. Disconnection by Township.

If Township disconnects a User which is connected at the present or in the future from the Township Sewer System and provides alternative sanitary sewage conveyance or treatment service for such User, the allocated capacity for that flow will revert back to the Borough at no cost, unless the Township connects a replacement user within a period of ninety (90) days from said disconnection. If the Township does connect a replacement user it shall be allowed to do so at no further cost.

**ARTICLE XI  
MISCELLANEOUS PROVISIONS**

SECTION 10.0.1. Interest.

All sums due to Borough either for capacity or service payments or otherwise shall bear interest from the date when such first became due, twenty (20) days after receipt of billing unless otherwise agreed by the parties, until paid in full. Such interest shall be at the rate of one and one-half (1 ½ %) percent per month per thirty (30) days. The interest shall be due monthly and all unpaid and overdue interest payment shall also be subject to interest at such same rate. All payments by Township shall be allocated among the amounts due and among such accounts as shall be due as Borough shall alone see fit, and within any such account or debt. The payment shall be allocated first to the interest due on any such account or debt before being allocated to the principal. In the event that the interest rate set forth in this paragraph shall be in excess of the maximum rate of interest which can be legally charged on any account or debt to which this paragraph applies, this paragraph shall be deemed to have been automatically amended to provide for the imposition of interest on such account or debt at the maximum interest rate which would be legally permitted.

SECTION 10.0.2. Insurance.

The Township and Borough shall have the other party added as a Named Insured or as an Additional Named Insured on all policies of liability insurance which each shall be in effect during the life of this Service Agreement. Each party shall have a waiver of subrogation clause included or added by endorsement to all existing and all future policies of insurance which shall remain in effect during the life of this Service Agreement. If either party shall have any policy of insurance providing contractual liability coverage, such policies shall either be written on a blanket contractual basis or this Service Agreement shall be specifically listed as a contract covered by such contractual liability coverage.

SECTION 10.0.3. Court Enforcement.

Any party hereto may seek and obtain injunctive relief from the Court of Common Pleas of Northampton County to enforce any provisions of this Service Agreement. All parties hereto agree to submit, and hereby does submit, to the equitable jurisdiction of the Court of Common Pleas of Northampton County.

SECTION 10.0.4. Assignment.

This Agreement may be assigned by either party without the written consent of the other party. No assignment shall be made except upon the assumption by the respective Assignee of all obligations and terms of this Service Agreement, including all overdue or unperformed or outstanding obligations, and upon assumption by the Assignee of all responsibility for any past and uncorrected breaches of this Service Agreement. This Service Agreement shall bind the parties and their successors and assigns.

SECTION 10.0.5. Captions and Headings.

The Captions or headings of the paragraphs in this Service Agreement are for convenience only, and such shall neither expand, restrict, control nor affect the meaning or effect or interpretation of any of the terms or provisions of this Service Agreement.

SECTION 10.0.6. Severability.

Should any one or more of the provisions of this Service Agreement for any reason be held illegal or invalid, such illegality or invalidity shall not affect any of the other provisions of this Service Agreement; and this Service Agreement shall in such circumstances be construed and enforced as if such illegal or invalid provision had not been contained herein.

SECTION 10.0.7. Modification.

This Service Agreement may be modified only by a writing either signed by all parties or by a writing signed by the party against whom the modification is being enforced and only after acceptance of such modification by the other party, which acceptance must be in writing. This particular paragraph may not be modified except by a writing signed by all parties.

SECTION 10.0.8. Counterparts of This Agreement to be Effective.

This Service Agreement may be executed in two or more counterparts, each of which shall be deemed an original, and be effective as an original, but all of which together shall constitute but one and the same instrument.

SECTION 10.0.9. Applicable Law.

This Service Agreement shall be construed and enforced in accordance with the laws of the Commonwealth of Pennsylvania.

SECTION 10.0.10. Default.

Any failure on the part of the Township to strictly comply with the terms and conditions of this Agreement, including but not limited to the payment of any charges due hereunder no later than the due date, shall constitute a default.

SECTION 10.0.11 Missing or Inaccurate Flow Records.

In the case of missing or inaccurate flow records due to faulty meter operation or otherwise, an estimate of flows shall be made by the Borough's Consulting Engineer, based on past performance and accounting for new connections which shall be conclusive upon the parties.

SECTION 10.0.12 Waiver of Rights.

The failure of either party hereto to insist upon strict conformance of this Service Agreement or of the terms or conditions thereof shall not be construed as a waiver of any of its rights hereunder.

SECTION 10.0.13. Time of the Essence.

Time shall be of the essence of this Service Agreement.

SECTION 10.0.14 Entire Agreement.

This Service Agreement constitutes the entire agreement between the parties hereto, there being no other agreements or representations, either written or oral, constituting a part of the bargain between the parties. No additional rights are given to either party other than as set forth herein.

SECTION 10.0.15 Cumulative Remedies.

All of the remedies as provided in this Service Agreement, including, by way of illustration and not limitation, the imposition of any surcharge, or right to restrict or terminate flow, and all other remedies provided unto the Borough by law or equity, shall be cumulative and concurrent.

SECTION 10.0.16 Binding Effect.

This Service Agreement shall be binding on all parties and shall be in effect unless terminated by mutual written consent of all parties hereto.

SECTION 10.0.17 Addresses.

Whenever a notice is required to be given hereunder, the same shall be given by certified mail, return receipt requested at the following addresses, unless a different address is subsequently furnished by either party to the other at any time in the future:

Borough of Northampton  
1401 Laubach Avenue  
Northampton, PA 18067

with a copy to:  
Borough Solicitor

Allen Township  
4714 Indian Trial Road  
Northampton, PA 18067

with a copy to:  
B. Lincoln Treadwell, Jr., Esq.  
732 Washington Street  
Easton, PA 18042

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands and seals the day and year first above written.

Attest:

  
Gene Zarayko, Secretary

Borough of Northampton

  
Charles Bodnar, President  
of Borough Council

Attest:

  
Ilène M. Eckhart, Secretary

Allen Township

  
Paul Balliet, Chairman



CHARLES B. BODNAR  
PRESIDENT OF COUNCIL

PETER RUSYN  
VICE PRESIDENT OF COUNCIL

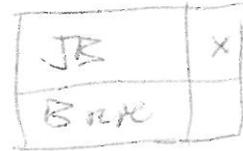
# Borough of NORTHAMPTON Pennsylvania

1401 LAUBACH AVE., P.O. BOX 70 • NORTHAMPTON, PENNSYLVANIA 18067-0070 • TEL: 610-262-2576 - FAX: 610-261-0505

RECEIVED

NOV 28 2000

HANOVER ENGINEERING



November 21, 2000

Mr. Robert Koch  
Allen Township  
4714 Indian Trail Road  
Northampton, PA 18067

RE: Industrial Development

Dear Bob:

Please be advised that Mike Horwith has contacted my office regarding the availability of sewage for his proposed industrial development on Route 329. I told Mr. Horwith that the Borough has the capacity to provide service to this area. However, the Authority and the Borough will need to amend the existing sewer agreement. The rate structure would remain the same as in the existing agreement. It would be up to the Authority to estimate the amount of EDU's that would be needed to serve this facility.

If you would like to proceed with an amendment to our agreement, please notify my office so that this may be placed on an agenda for official action by Northampton Borough Council.

Should you have any questions or wish to discuss this matter further, please feel free to contact me.

Sincerely,

Gene Zarayko  
Borough Manager

GZ:je

VIII-25

SECTION IX - CONSISTENCY CHECKS



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER QUALITY PROTECTION  
BUREAU OF WATERWAYS ENGINEERING

FOR OFFICIAL USE ONLY

PNDI Screening

Reviewer Gene Trawbridge

Date 2-20-2001

Phone No. \_\_\_\_\_

**SUPPLEMENT NO. 1**  
**PENNSYLVANIA NATURAL DIVERSITY INVENTORY SEARCH FORM** *E AT*

This form provides site information necessary to perform a computer screening for species of special concern listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, the Pennsylvania Fish and Boat Code or the PA Game and Wildlife Code. Records regarding species of special concern are maintained by PA DCNR in a computer data base called the "Pennsylvania Natural Diversity Inventory" (PNDI). Results from this search are not intended to be a conclusive compilation of all potential special concern resources located within a proposed project site. On-site biological surveys may be recommended to provide a definitive statement on the presence or absence, or degree of natural integrity of any project site. Results of this PNDI search are valid for one year.

Please complete the information below, attach an 8½" x 11" photocopy (DO NOT REDUCE) of the portion of the U.S.G.S. Quadrangle Map that identifies the project location and outlines the approximate boundaries of the project and mail to the appropriate DEP regional office or delegated County Conservation District prior to completing a Chapter 105 environmental assessment or any other DEP permit application. (SEE REVERSE SIDE FOR LIST OF OFFICES AND ADDRESSES).

NAME: Allen Township

ADDRESS: 4714 Indian Trail Road

Northampton, PA 18067

PHONE: (610 ) -2627012

COUNTY: Northampton

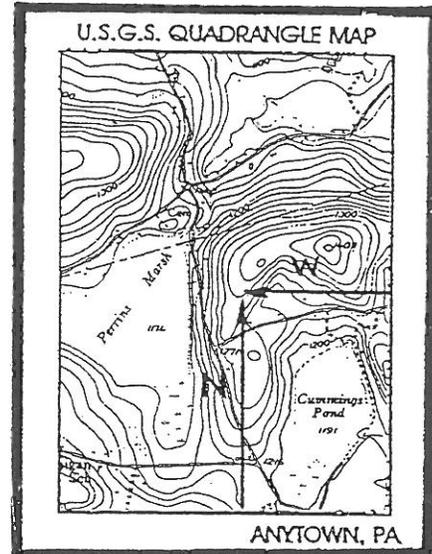
TWP./MUNICIPALITY: Allen Township, Borough of Northampton

U.S.G.S. 7½ Minute Quadrangle

Catasauqua

PROJECT DESCRIPTION AND SIZE (Briefly describe entire area relevant to your project, including acreage.)

The project consists of a sanitary sewer interceptor. There is not a defined area for this project. The four sets of coordinates give are points along the propose sanitary line. N9.5, W14.2; N10.2, W13.4; N11.6, W13.3; N12.2, W12.8



North (Up) 9.5 / 11.25 / 11.75 / 12 / 12.25 inches

West (to the left) 14.2 / 13.0 / 13.5 / 12.75 / 11.5 inches

INDICATE PROJECT LOCATION TO THE NEAREST ONE TENTH INCH MEASURING FROM THE EDGE OF THE MAP IMAGE FROM THE LOWER RIGHT CORNER.

FOR OFFICIAL USE ONLY

MAR - 7 2001

SCREENING RESULTS - Follow the directions of the checked block.

ET3/6/01  
No potential conflicts were encountered during the PNDI inquiry. Include this form and the PNDI receipt with your Chapter 105 environmental assessment or other DEP permit application submissions.

Potential conflicts must be resolved by contacting the natural resource agencies listed on the PNDI receipt. Please provide a copy of this form and the PNDI receipt along with a brief description of your project to the listed agency for consultation and recommendations. Include this form, the printed PNDI search results and the natural resource

\*\*\*THIS FORM APPLIES TO PLANTS, NATURAL COMMUNITIES, AND INSECTS ONLY\*\*\*

## PA NATURAL DIVERSITY INVENTORY "POTENTIAL CONFLICT" RESPONSE FORM

### PNDI SEARCH INFO

PNDI Search # N74181  
 Search performed by Gene Trowbridge  
 Agency DEP NERO  
 County Northampton  
 Township Allen  
 Applicant info Allen Township  
 Project name Sanitary sewer interceptor

### BUREAU OF FORESTRY/PNDI COMMENT (s):

X **NO EFFECT ON PLANTS, NATURAL COMMUNITIES, OR INSECTS ANTICIPATED**  
 The PNDI computer screening revealed hits on species of special concern. Based on the information submitted to us concerning the site we determined that there would be no impact on the species of special concern identified during the screening.

       **POTENTIAL PLANT OR INSECT OCCURRENCE IN PROJECT AREA**  
 Based on our PNDI map review we determined a potential impact to species of special concern that may or may not have been identified during the screening. The following listed species may occur within the project area:

therefore, further coordination with this office is necessary to avoid potential impacts to the above species.  
       A survey for the species listed above should be conducted at the appropriate time of year by a qualified botanist. Survey results should be submitted to our office for review and comment. A list of qualified surveyors can be obtained by calling our office.  
       A habitat survey should be conducted and survey results should be submitted to our office for review and comment.

       **PLANT OR INSECT KNOWN TO OCCUR WITHIN THE PROJECT AREA**  
 The following listed species may occur within the project area:

therefore, further coordination with our office is necessary to avoid impacts to the above species.

Comments:

\*\*\*\*\*  
 Jeanne Brennan, DCNR/BOF/PNDI, PO Box 8552, Harrisburg, PA 17105  
 fax 717-772-0271 phone 717-772-0258 [jbrennan@dcnr.state.pa.us](mailto:jbrennan@dcnr.state.pa.us)

Signature: Jeanne Brennan Date: 3/5/01

necessarily imply actual conditions on-site. A field site survey may reveal previously unreported populations.

Legal authority for Pennsylvania's biological resources resides with three administrative agencies. The handout entitled Pennsylvania Biological Resource Management Agencies, outlines which species groups are managed by these agencies. Feel free to contact our office if you have questions concerning this response or the PNDI system, and please refer to the PNDI Search Number at the top of this page in future correspondence concerning this project.



|                            |                                  |                                     |
|----------------------------|----------------------------------|-------------------------------------|
| <a href="#">New Search</a> | <a href="#">PNDI Search Home</a> | <a href="#">PNDI Search Welcome</a> |
|----------------------------|----------------------------------|-------------------------------------|

ix-3

# PNDI Internet Database Search Results

PNDI Search Number: N74181

Search Results For trowbridge.eugene@dep.state.pa.us

Search Performed By: Eugene Trowbridge II On 2/20/2001 1:11:51 PM

Agency/Organization: PA DEP Water Management Program

Phone Number: 570-826-2553

Search Parameters: Quad - 407564; North Offset - 9.5; West Offset - 14.2; Acres - 640

Project location center (Latitude): 40.67716

Project location center (Longitude): 75.47738

Project Type: DEP Permits/Other DEP Permits/Approvals

***Print this page using your Internet browser's print function and keep it as a record of your search.***

Bureau of Forestry personnel should FAX this receipt, project description, County, Township, and USGS Topo (with quad name) to Jeanne Brennan for ALL potential conflicts. FAX Number: (717) 772-0271

DEP and Conservation Districts should follow the instructions below when potential conflicts are indicated.

When details are displayed as part of the search result, the element's Scientific Name, Common Name, State Status, Proposed State Status and Number of Occurrences within the Search Area are listed.

Due to the sensitive nature of certain endangered species, species names are not displayed for species under the jurisdiction of the Pennsylvania Fish & Boat Commission and the U.S. Fish & Wildlife Service.

PNDI records indicate the following potential conflicts with ecological resources of special concern within the specified search area:

**1 potential Plant conflicts:**

CYPERUS SCHWEINITZII - SCHWEINITZ'S FLATSEEDGE - PR - PR (1)

The person conducting this search should FAX this Receipt, Supplement #1, and USGS Topo (if applicable) to:

**Jeanne Brennan**  
**Department of Conservation and Natural Resources**  
**Bureau of Forestry**  
**P.O. Box 8552**  
**Harrisburg, PA 17105-8552**  
**FAX number: (717) 772-0271**

PNDI is a site specific information system, which describes significant natural resources of Pennsylvania. This system includes data descriptive of plant and animal species of special concern, exemplary natural communities and unique geological features. PNDI is a cooperative project of the Department of Conservation and Natural Resources, The Nature Conservancy and the Western Pennsylvania Conservancy. This response represents the most up-to-date summary of the PNDI data files and is valid for 1 year. An absence of recorded information does not

IX-4

# PNDI Internet Database Search Results

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PNDI Search Number: N74182

Search Results For trowbridge.eugene@dep.state.pa.us

Search Performed By: Eugene Trowbridge II On 2/20/2001 1:14:05 PM

Agency/Organization: PA DEP Water Management Program

Phone Number: 570-826-2553

Search Parameters: Quad - 407564; North Offset - 11.25; West Offset - 13.0; Acres - 640

Project location center (Latitude): 40.68676

Project location center (Longitude): 75.46873

Project Type: DEP Permits/Other DEP Permits/Approvals

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***Print this page using your Internet browser's print function and keep it as a record of your search.***

No conflicts with ecological resources of special concern are known to exist within the specified search area.

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PNDI is a site specific information system, which describes significant natural resources of Pennsylvania. This system includes data descriptive of plant and animal species of special concern, exemplary natural communities and unique geological features. PNDI is a cooperative project of the Department of Conservation and Natural Resources, The Nature Conservancy and the Western Pennsylvania Conservancy. This response represents the most up-to-date summary of the PNDI data files and is valid for 1 year. An absence of recorded information does not necessarily imply actual conditions on-site. A field site survey may reveal previously unreported populations.

Legal authority for Pennsylvania's biological resources resides with three administrative agencies. The handout entitled Pennsylvania Biological Resource Management Agencies, outlines which species groups are managed by these agencies. Feel free to contact our office if you have questions concerning this response or the PNDI system, and please refer to the PNDI Search Number at the top of this page in future correspondence concerning this project.

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[New Search](#)

[PNDI Search Home](#)

[PNDI Search Welcome](#)

1X-5

# PNDI Internet Database Search Results

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PNDI Search Number: N74183

Search Results For trowbridge.eugene@dep.state.pa.us

Search Performed By: Eugene Trowbridge II On 2/20/2001 1:14:59 PM

Agency/Organization: PA DEP Water Management Program

Phone Number: 570-826-2553

Search Parameters: Quad - 407564; North Offset - 11.75; West Offset - 13.5; Acres - 640

Project location center (Latitude): 40.68951

Project location center (Longitude): 75.47233

Project Type: DEP Permits/Other DEP Permits/Approvals

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***Print this page using your Internet browser's print function and keep it as a record of your search.***

No conflicts with ecological resources of special concern are known to exist within the specified search area.

---

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Legal authority for Pennsylvania's biological resources resides with three administrative agencies. The handout entitled [Pennsylvania Biological Resource Management Agencies](#), outlines which species groups are managed by these agencies. Feel free to [contact our office](#) if you have questions concerning this response or the PNDI system, and please refer to the PNDI Search Number at the top of this page in future correspondence concerning this project.

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[New Search](#)

[PNDI Search Home](#)

[PNDI Search Welcome](#)

1X - 6

# PNDI Internet Database Search Results

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PNDI Search Number: N74184

Search Results For trowbridge.eugene@dep.state.pa.us

Search Performed By: Eugene Trowbridge II On 2/20/2001 1:15:40 PM

Agency/Organization: PA DEP Water Management Program

Phone Number: 570-826-2553

Search Parameters: Quad - 407564; North Offset - 13; West Offset - 12.75; Acres - 640

Project location center (Latitude): 40.69637

Project location center (Longitude): 75.46693

Project Type: DEP Permits/Other DEP Permits/Approvals

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***Print this page using your Internet browser's print function and keep it as a record of your search.***

No conflicts with ecological resources of special concern are known to exist within the specified search area.

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PNDI is a site specific information system, which describes significant natural resources of Pennsylvania. This system includes data descriptive of plant and animal species of special concern, exemplary natural communities and unique geological features. PNDI is a cooperative project of the Department of Conservation and Natural Resources, The Nature Conservancy and the Western Pennsylvania Conservancy. This response represents the most up-to-date summary of the PNDI data files and is valid for 1 year. An absence of recorded information does not necessarily imply actual conditions on-site. A field site survey may reveal previously unreported populations.

Legal authority for Pennsylvania's biological resources resides with three administrative agencies. The handout entitled Pennsylvania Biological Resource Management Agencies, outlines which species groups are managed by these agencies. Feel free to contact our office if you have questions concerning this response or the PNDI system, and please refer to the PNDI Search Number at the top of this page in future correspondence concerning this project.

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[New Search](#)

[PNDI Search Home](#)

[PNDI Search Welcome](#)

IX-7

# PNDI Internet Database Search Results

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PNDI Search Number: N74185

Search Results For [trowbridge.eugene@dep.state.pa.us](mailto:trowbridge.eugene@dep.state.pa.us)

Search Performed By: Eugene Trowbridge II On 2/20/2001 1:16:22 PM

Agency/Organization: PA DEP Water Management Program

Phone Number: 570-826-2553

Search Parameters: Quad - 407564; North Offset - 13.25; West Offset - 11.5; Acres - 640

Project location center (Latitude): 40.69774

Project location center (Longitude): 75.45791

Project Type: DEP Permits/Other DEP Permits/Approvals

---

***Print this page using your Internet browser's print function and keep it as a record of your search.***

No conflicts with ecological resources of special concern are known to exist within the specified search area.

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Legal authority for Pennsylvania's biological resources resides with three administrative agencies. The handout entitled [Pennsylvania Biological Resource Management Agencies](#), outlines which species groups are managed by these agencies. Feel free to [contact our office](#) if you have questions concerning this response or the PNDI system, and please refer to the PNDI Search Number at the top of this page in future correspondence concerning this project.

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[New Search](#)

[PNDI Search Home](#)

[PNDI Search Welcome](#)

IX-8



Commonwealth of Pennsylvania  
Pennsylvania Historical and Museum Commission  
Bureau for Historic Preservation  
Commonwealth Keystone Building, 2nd Floor  
400 North Street  
Harrisburg, PA 17120-0093

MAR - 1 2001

February 16, 2001

Earl A. Heffintrayer, Jr.  
Hanover Engineering Associates, Inc.  
252 Brodhead Road Suite 100  
Bethlehem, PA 18017-8937

TO EXPEDITE REVIEW USE  
BHP REFERENCE NUMBER

Re: File No. ER 2001-1383-095-A  
DEP ACT 537 Program: Act 537,  
Act 537, Allen Twp., Northampton  
Co.

Dear Mr. Heffintrayer:

The Bureau for Historic Preservation has reviewed the above named project under the authority of the Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988). This review includes comments on the project's potential effect on both historic and archaeological resources.

**A HIGH PROBABILITY EXISTS THAT ARCHAEOLOGICAL RESOURCES  
MAY OCCUR WITHIN THE PROPOSED PERMIT AREA**

Based on an evaluation by our staff, there is a high probability that significant archaeological sites are located in this project area and could be adversely affected by project activities. Although there are no recorded archaeological sites within the project boundaries, the soil type, topographic setting, slope direction, and distance to water of the project area are similar to the settings of known archaeological sites in the vicinity. A Phase I archaeological survey of the project area to locate potentially significant archaeological resources is recommended but not required.

If a survey is not conducted and you encounter archaeological resources during construction, you must stop the project, notify the Pennsylvania Historical and Museum Commission's Bureau for Historic Preservation and the Department of Environmental Resources and allow the Bureau for Historic Preservation 60 days to conduct a survey to determine the significance of the archaeological resources. If the Bureau determines that the resources are significant, you must submit a mitigation plan to protect the significant resources on the site. We will review the plan within 30 days.

Page 2  
February 16, 2001  
Mr. Earl A. Heffintrayer, Jr.

MAR - 1 2001

In our opinion no evaluation of historic structures will be necessary for this project area.

**FOR YOUR INFORMATION**

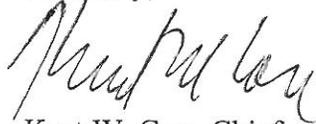
The Pennsylvania Historical and Museum Commission will keep the Determination Notice and the materials you submitted in its files. Please attach this letter to your copy of the Notice and materials then submit the entire package of materials to DEP.

If this project will require any federal permits or will receive federal funding, the federal agency, under the National Historic Preservation Act of 1966, may require the appropriate surveys to be conducted. We suggest that you consider conducting the survey early in the development or planning process to avoid delays in the future. Guidelines and instructions for conducting Phase I surveys are available from our office upon request.

Thank you for notifying us of your proposed activity.

If you need further information regarding archaeological survey please contact Mark Shaffer at (717) 783-9900. If you need further information concerning historic structures please consult Ann Safley at (717) 787-9121. If you need a **status only** of the reviewed project please call Tina Webber at (717) 705-4036.

Sincerely,



Kurt W. Carr, Chief  
Division of Archaeology &  
Protection

CC: DEP, Northeast Region  
KWC/lmm

IX-10

|                         |                                |
|-------------------------|--------------------------------|
| For Department Use Only |                                |
| PNDI Search - Computer  | Map                            |
| Reviewer                | <u>J. Williams</u>             |
| Date                    | <u>8/30/00</u> Phone No. _____ |



SUPPLEMENT NO. 1  
PENNSYLVANIA NATURAL DIVERSITY INVENTORY SEARCH FORM JW049

- This Supplement No. 1 provides the site information necessary to perform a computer search for species of special concern listed under the Endangered Species Act of 1973, the Wild Resource Conservation Act, the Pennsylvania Fish and Boat Code or the Wildlife Code. Records regarding species of special concern are maintained in a computer data base called the "Pennsylvania Natural Diversity Inventory" (PNDI). The information in PNDI is routinely updated. Results of this PNDI search are valid for one year.
- B. Please complete the information below and mail to the appropriate regional office or the delegated County Conservation District prior to completing a Chapter 105 environmental assessment or any other permit application. (SEE REVERSE SIDE FOR LIST OF OFFICES AND ADDRESSES).
- C. This Supplement No. 1 will be returned to you with information relevant to your project concerning species of special concern. Include it and any correspondence received from the agencies below, with your submission of any Permit Application.

NAME: ALLEN TOWNSHIP AUTHORITY

ADDRESS: 4714 INDIAN TRAIL ROAD  
NORTHAMPTON, PA 18067

PHONE: ( 610 ) 262-7012

PROJECT LOCATION: HOKENDAUQUA CREEK

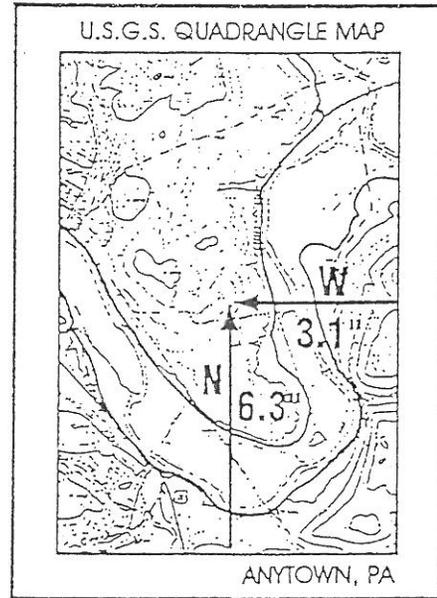
COUNTY NORTHAMPTON

TWP./MUNICIPALITY: ALLEN TOWNSHIP

U.S.G.S. 7½ Minute Quadrangle  
CATASAUQUA

PROJECT SIZE (in acres) Include entire area relevant to your project. N/A

SEWER LINE (SEE ATTACHED MAP)



north 12.4  
west 15.0

north 11.5  
west 15.0

north 11.75  
west 15.4

north 10.25  
west 16.0

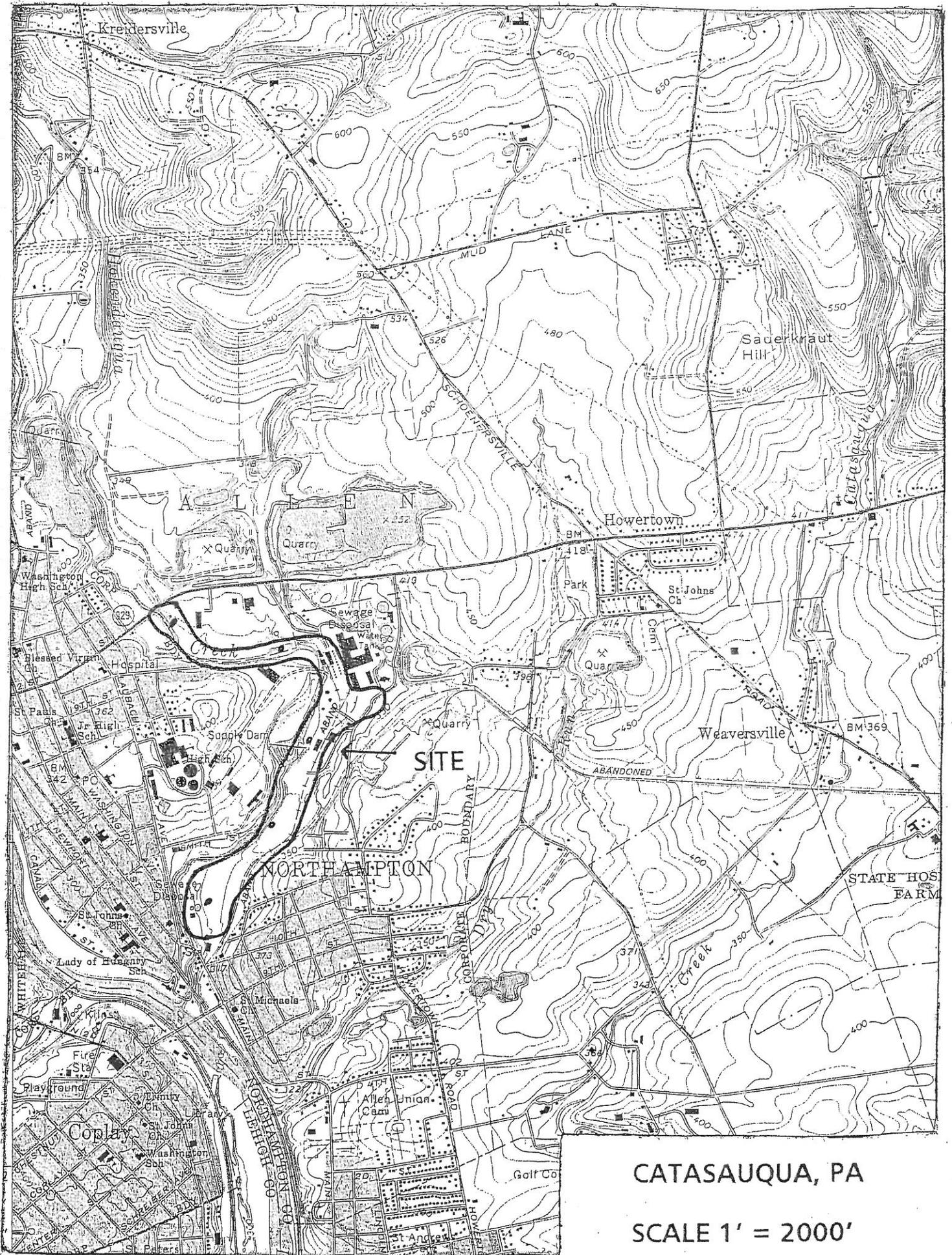
North (Up) 12.5 inches  
West (to the left) 16.0 inches

INDICATE PROJECT LOCATION TO THE NEAREST ONE TENTH INCH MEASURING FROM THE EDGE OF THE MAP IMAGE FROM THE LOWER RIGHT CORNER.

Attach an 8½" x 11" photocopy (DO NOT REDUCE) of the section of the U.S.G.S. Quadrangle Map which identifies the project location and outlines the approximate boundaries of the project.

FOR DEPARTMENT USE ONLY

- No known record of habitats for species of special concern has been identified in the area designated above.
- No impact to species of special concern. (PNDI staff person Stacy Brubaker on 10/5/00).  
initials SB date 10/5/00
- Potential impact to species of special concern. Written recommendations on measures necessary to resolve this matter will be provided by:
- |  |   |  |
|--|---|--|
| <input type="checkbox"/> Dept. of Conservation & Natural Resources<br>Bureau of Forestry/FAS<br>P.O. Box 8552<br>Harrisburg, PA 17105-8552<br>717-787-3444 | <input type="checkbox"/> Mr. Andrew L. Shiels<br>PA Fish & Boat Commission<br>450 Robinson Lane<br>Bellefonte, PA 16823<br>814-359-5113 | <input type="checkbox"/> Mr. Denver A. McDowell<br>PA Game Commission<br>2001 Elmerton Ave.<br>Harrisburg, PA 17110-9797<br>717-783-8743 |
|--|---|--|
- PNDI Interpretation Requested
- Element Occurrence Code \_\_\_\_\_



CATASAUQUA, PA

SCALE 1' = 2000'

# PNDI Internet Database Search Results

PNDI Search Number: N68636  
 Search Results For tarconish.michael@dep.state.pa.us  
 Search Performed By: michael tarconish On 9/19/2000 12:17:29 PM  
 Agency/Organization: environmental protection  
 Phone Number: 570-826-2045  
 Search Parameters: Quad - 407564; North Offset - 12.5; West Offset - 16.0; Acres - 640  
 Project location center (Latitude): 40.69363  
 Project location center (Longitude): 75.49036  
 Project Type: DEP Permits/Other DEP Permits/Approvals

**Print this page using your Internet browser's print function and keep it as a record of your search.**

When details are displayed as part of the search result, the element's Scientific Name, Common Name, State Status, Proposed State Status and Number of Occurrences within the Search Area are listed.

Due to the sensitive nature of certain endangered species, species names are not displayed for species under the jurisdiction of the Pennsylvania Fish & Boat Commission and the U.S. Fish & Wildlife Service.

PNDI records indicate the following potential conflicts with ecological resources of special concern within the specified search area:

**2 potential Plant conflicts:**

- JUNCUS TORREYI - TORREY'S RUSH - PT - PE (1)
- POLYGONUM CAREYI - CAREY'S SMARTWEED - PE - PE (1)

Please Contact the following office regarding these potential conflicts:

**Environmental Review Specialist**  
**PA Department of Conservation and Natural Resources**  
**Bureau of Forestry**  
**Ecological Services Section**  
**P.O. Box 8552**  
**Harrisburg, PA 17105-8552**  
**Jeanne Brennan - (717) 772-0258**  
**Please FAX this Receipt, Supplement #1, and USGS Topo. to (717) 783-5109**

**\*\*For DEP/CD Use Only\*\***

Applicant name: \_\_\_\_\_  
 Applicant address: \_\_\_\_\_  
 Applicant telephone: \_\_\_\_\_ Applicant Fax: \_\_\_\_\_  
 Site Name: \_\_\_\_\_ Disturbed Area(acres): \_\_\_\_\_

**\*\*For DEP/CD Use Only\*\***

IX-13

PNDI is a site specific information system, which describes significant natural resources of Pennsylvania. This system includes data descriptive of plant and animal species of special concern, exemplary natural communities and unique geological features. PNDI is a cooperative project of the Department of Conservation and Natural Resources, The Nature Conservancy and the Western Pennsylvania Conservancy. This response represents the most up-to-date summary of the PNDI data files and is valid for 1 year. An absence of recorded information does not necessarily imply actual conditions on-site. A field site survey may reveal previously unreported populations.

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[New Search](#)   [PNDI Search Home](#)   [PNDI Search Welcome](#)

1x - 14

# PNDI Internet Database Search Results

PNDI Search Number: N68637

Search Results For tarconish.michael@dep.state.pa.us

Search Performed By: michael tarconish On 9/19/2000 12:18:12 PM

Agency/Organization: environmental protection

Phone Number: 570-826-2045

Search Parameters: Quad - 407564; North Offset - 12.4; West Offset - 15.0; Acres - 640

Project location center (Latitude): 40.69308

Project location center (Longitude): 75.48315

Project Type: DEP Permits/Other DEP Permits/Approvals

***Print this page using your Internet browser's print function and keep it as a record of your search.***

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Due to the sensitive nature of certain endangered species, species names are not displayed for species under the jurisdiction of the Pennsylvania Fish & Boat Commission and the U.S. Fish & Wildlife Service.

PNDI records indicate the following potential conflicts with ecological resources of special concern within the specified search area:

## **1 potential Plant conflicts:**

POLYGONUM CAREYI - CAREY'S SMARTWEED - PE - PE (1)

Please Contact the following office regarding these potential conflicts:

### **Environmental Review Specialist**

**PA Department of Conservation and Natural Resources**

**Bureau of Forestry**

**Ecological Services Section**

**P.O. Box 8552**

**Harrisburg, PA 17105-8552**

**Jeanne Brennan - (717) 772-0258**

**Please FAX this Receipt, Supplement #1, and USGS Topo. to (717) 783-5109**

### **\*\*For DEP/CD Use Only\*\***

Applicant name: \_\_\_\_\_

Applicant address: \_\_\_\_\_

Applicant telephone: \_\_\_\_\_ Applicant Fax: \_\_\_\_\_

Site Name: \_\_\_\_\_ Disturbed Area(acres): \_\_\_\_\_

### **\*\*For DEP/CD Use Only\*\***

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[New Search](#)

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# PNDI Internet Database Search Results

PNDI Search Number: N68638  
 Search Results For tarconish.michael@dep.state.pa.us  
 Search Performed By: michael tarconish On 9/19/2000 12:18:54 PM  
 Agency/Organization: environmental protection  
 Phone Number: 570-826-2045  
 Search Parameters: Quad - 407564; North Offset - 11.5; West Offset - 15.0; Acres - 640  
 Project location center (Latitude): 40.68814  
 Project location center (Longitude): 75.48315  
 Project Type: DEP Permits/Other DEP Permits/Approvals

***Print this page using your Internet browser's print function and keep it as a record of your search.***

When details are displayed as part of the search result, the element's Scientific Name, Common Name, State Status, Proposed State Status and Number of Occurrences within the Search Area are listed.

Due to the sensitive nature of certain endangered species, species names are not displayed for species under the jurisdiction of the Pennsylvania Fish & Boat Commission and the U.S. Fish & Wildlife Service.

PNDI records indicate the following potential conflicts with ecological resources of special concern within the specified search area:

**2 potential Plant conflicts:**

- CYPERUS SCHWEINITZII - SCHWEINITZ'S FLATSEEDGE - PR - PR (1)
- POLYGONUM CAREYI - CAREY'S SMARTWEED - PE - PE (1)

Please Contact the following office regarding these potential conflicts:

**Environmental Review Specialist**  
**PA Department of Conservation and Natural Resources**  
**Bureau of Forestry**  
**Ecological Services Section**  
**P.O. Box 8552**  
**Harrisburg, PA 17105-8552**  
**Jeanne Brennan - (717) 772-0258**  
**Please FAX this Receipt, Supplement #1, and USGS Topo. to (717) 783-5109**

**\*\*For DEP/CD Use Only\*\***

Applicant name: \_\_\_\_\_  
 Applicant address: \_\_\_\_\_  
 Applicant telephone: \_\_\_\_\_ Applicant Fax: \_\_\_\_\_  
 Site Name: \_\_\_\_\_ Disturbed Area(acres): \_\_\_\_\_

**\*\*For DEP/CD Use Only\*\***

IX-17

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# PNDI Internet Database Search Results

PNDI Search Number: N68639

Search Results For tarconish.michael@dep.state.pa.us

Search Performed By: michael tarconish On 9/19/2000 12:19:35 PM

Agency/Organization: environmental protection

Phone Number: 570-826-2045

Search Parameters: Quad - 407564; North Offset - 11.75; West Offset - 15.4; Acres - 640

Project location center (Latitude): 40.68951

Project location center (Longitude): 75.48603

Project Type: DEP Permits/Other DEP Permits/Approvals

***Print this page using your Internet browser's print function and keep it as a record of your search.***

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Due to the sensitive nature of certain endangered species, species names are not displayed for species under the jurisdiction of the Pennsylvania Fish & Boat Commission and the U.S. Fish & Wildlife Service.

PNDI records indicate the following potential conflicts with ecological resources of special concern within the specified search area:

**1 potential Plant conflicts:**

POLYGONUM CAREYI - CAREY'S SMARTWEED - PE - PE (1)

Please Contact the following office regarding these potential conflicts:

**Environmental Review Specialist  
PA Department of Conservation and Natural Resources  
Bureau of Forestry  
Ecological Services Section  
P.O. Box 8552  
Harrisburg, PA 17105-8552  
Jeanne Brennan - (717) 772-0258  
Please FAX this Receipt, Supplement #1, and USGS Topo. to (717) 783-5109**

**\*\*For DEP/CD Use Only\*\***

Applicant name: \_\_\_\_\_  
Applicant address: \_\_\_\_\_  
Applicant telephone: \_\_\_\_\_ Applicant Fax: \_\_\_\_\_  
Site Name: \_\_\_\_\_ Disturbed Area(acres): \_\_\_\_\_

**\*\*For DEP/CD Use Only\*\***

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[New Search](#)[PNDI Search Home](#)[PNDI Search Welcome](#)

IX-20

# PNDI Internet Database Search Results

PNDI Search Number: N68640

Search Results For tarconish.michael@dep.state.pa.us

Search Performed By: michael tarconish On 9/19/2000 12:20:17 PM

Agency/Organization: environmental protection

Phone Number: 570-826-2045

Search Parameters: Quad - 407564; North Offset - 10.25; West Offset - 16.0; Acres - 640

Project location center (Latitude): 40.68127

Project location center (Longitude): 75.49036

Project Type: DEP Permits/Other DEP Permits/Approvals

***Print this page using your Internet browser's print function and keep it as a record of your search.***

When details are displayed as part of the search result, the element's Scientific Name, Common Name, State Status, Proposed State Status and Number of Occurrences within the Search Area are listed.

Due to the sensitive nature of certain endangered species, species names are not displayed for species under the jurisdiction of the Pennsylvania Fish & Boat Commission and the U.S. Fish & Wildlife Service.

PNDI records indicate the following potential conflicts with ecological resources of special concern within the specified search area:

**2 potential Plant conflicts:**

JUNCUS TORREYI - TORREY'S RUSH - PT - PE (1)

POLYGONUM CAREYI - CAREY'S SMARTWEED - PE - PE (1)

Please Contact the following office regarding these potential conflicts:

**Environmental Review Specialist**

**PA Department of Conservation and Natural Resources**

**Bureau of Forestry**

**Ecological Services Section**

**P.O. Box 8552**

**Harrisburg, PA 17105-8552**

**Jeanne Brennan - (717) 772-0258**

**Please FAX this Receipt, Supplement #1, and USGS Topo. to (717) 783-5109**

**\*\*For DEP/CD Use Only\*\***

Applicant name: \_\_\_\_\_

Applicant address: \_\_\_\_\_

Applicant telephone: \_\_\_\_\_ Applicant Fax: \_\_\_\_\_

Site Name: \_\_\_\_\_ Disturbed Area(acres): \_\_\_\_\_

**\*\*For DEP/CD Use Only\*\***

IX - 21

PNDI is a site specific information system, which describes significant natural resources of Pennsylvania. This system includes data descriptive of plant and animal species of special concern, exemplary natural communities and unique geological features. PNDI is a cooperative project of the Department of Conservation and Natural Resources, The Nature Conservancy and the Western Pennsylvania Conservancy. This response represents the most up-to-date summary of the PNDI data files and is valid for 1 year. An absence of recorded information does not necessarily imply actual conditions on-site. A field site survey may reveal previously unreported populations.

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[New Search](#)

[PNDI Search Home](#)

[PNDI Search Welcome](#)

1X-22



Commonwealth of Pennsylvania  
**Pennsylvania Historical and Museum Commission**  
Bureau for Historic Preservation  
Post Office Box 1026  
Harrisburg, Pennsylvania 17108-1026

June 29, 2000

JUL 10 2000

Earl A. Heffintrayer, Jr.  
Hanover Engineering Associates, Inc.  
3897 Adler Place, Suite 350  
Bethlehem, PA 18017-9000

TO EXPEDITE REVIEW USE  
BHP REFERENCE NUMBER

Re: File No. ER 2000-2372-095-A  
DEP ACT 537 Program: Act 537  
Approval; WQM Part II, Horwith  
Sewer-Hokendauqua, Allen Twp.,  
Northampton Co.

Dear Mr. Heffintrayer:

The Bureau for Historic Preservation has reviewed the above named project under the authority of the Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988). This review includes comments on the project's potential effect on both historic and archaeological resources.

**A HIGH PROBABILITY EXISTS THAT ARCHAEOLOGICAL RESOURCES  
MAY OCCUR WITHIN THE PROPOSED PERMIT AREA**

Based on an evaluation by our staff, there is a high probability that significant archaeological sites are located in this project area and could be adversely affected by project activities. Although there are no recorded archaeological sites within the project boundaries, the soil type, topographic setting, slope direction, and distance to water of the project area are similar to the settings of known archaeological sites in the vicinity. A Phase I archaeological survey of the project area to locate potentially significant archaeological resources is recommended but not required.

If a survey is not conducted and you encounter archaeological resources during construction, you must stop the project, notify the Pennsylvania Historical and Museum Commission's Bureau for Historic Preservation and the Department of Environmental Resources and allow the Bureau for Historic Preservation 60 days to conduct a survey to determine the significance of the archaeological resources. If the Bureau determines that the resources are significant, you must submit a mitigation plan to protect the significant resources on the site. We will review the plan within 30 days.

Page 2  
June 29, 2000  
Mr. Earl A. Heffintrayer, Jr.

## FOR YOUR INFORMATION

The Pennsylvania Historical and Museum Commission will keep the Determination Notice and the materials you submitted in its files. Please attach this letter to your copy of the Notice and materials then submit the entire package of materials to DEP.

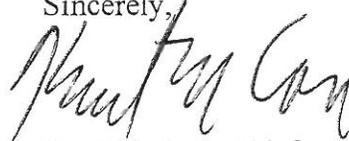
If this project will require any federal permits or will receive federal funding, the federal agency, under the National Historic Preservation Act of 1966, may require the appropriate surveys to be conducted. We suggest that you consider conducting the survey early in the development or planning process to avoid delays in the future. Guidelines and instructions for conducting Phase I surveys are available from our office upon request.

Thank you for notifying us of your proposed activity.

There may be historic structures eligible for the National Register of Historic Places located in the project area. However, due to the nature of the activity, it is our opinion that there will be no effect on these properties. Should the applicant become aware, from any source, that unidentified historic resources are located at the project site, or that the project activities will have an effect on these properties, the Bureau for Historic Preservation should be contacted immediately.

If you need further information regarding archaeological survey please contact Mark Shaffer at (717) 783-9900. If you need further information concerning historic structures please consult Ann Safley at (717) 787-9121. If you need a **status only** of the reviewed project please call Tina Webber at (717) 705-4036.

Sincerely,



Kurt W. Carr, Chief  
Division of Archaeology &  
Protection

CC: DEP, Northeast Region  
KWC/lmm