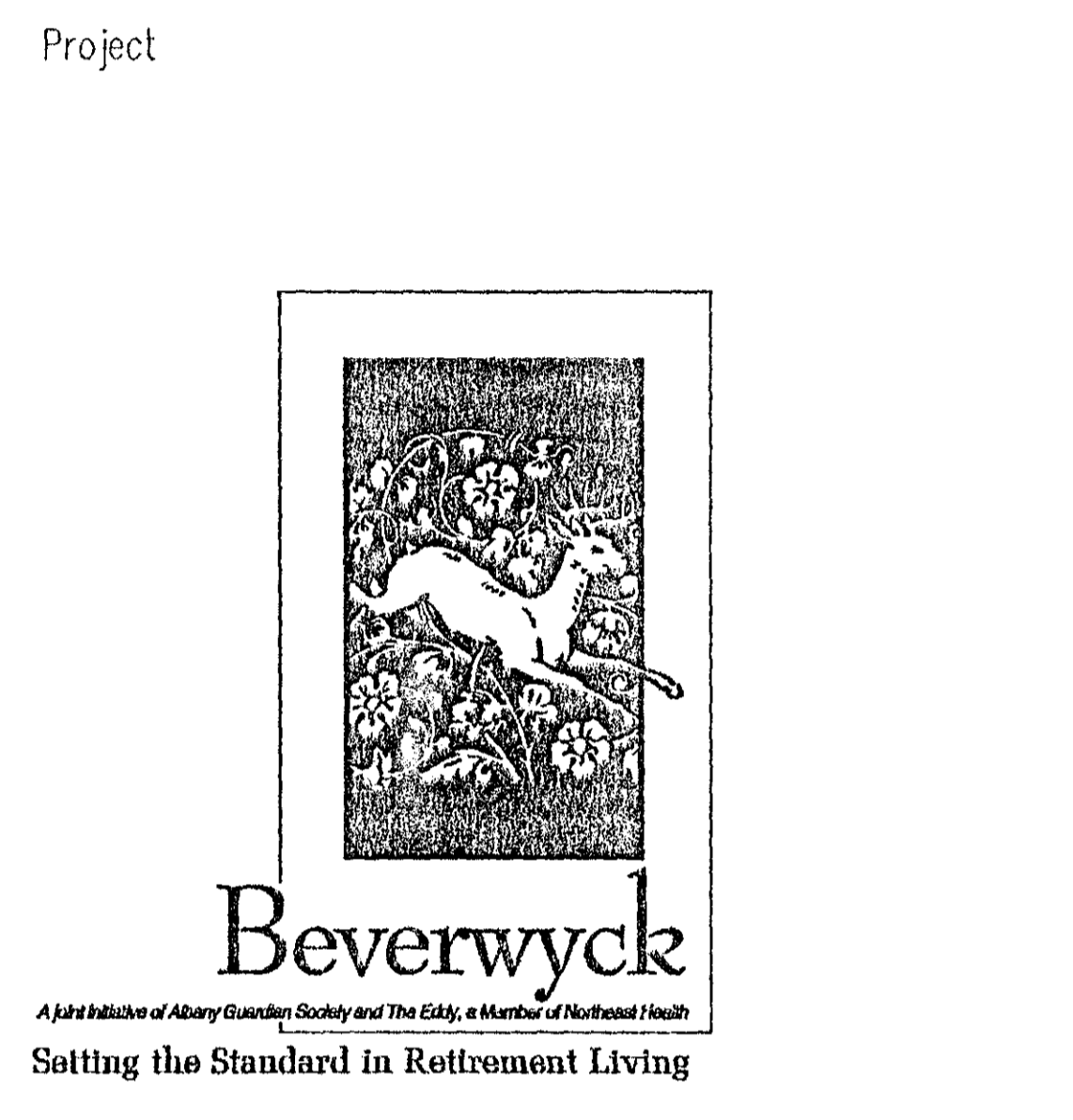


30 Essex St.  
 Albany  
 New York 12206  
 P 518 454 9300  
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 W angeramearchitects.com



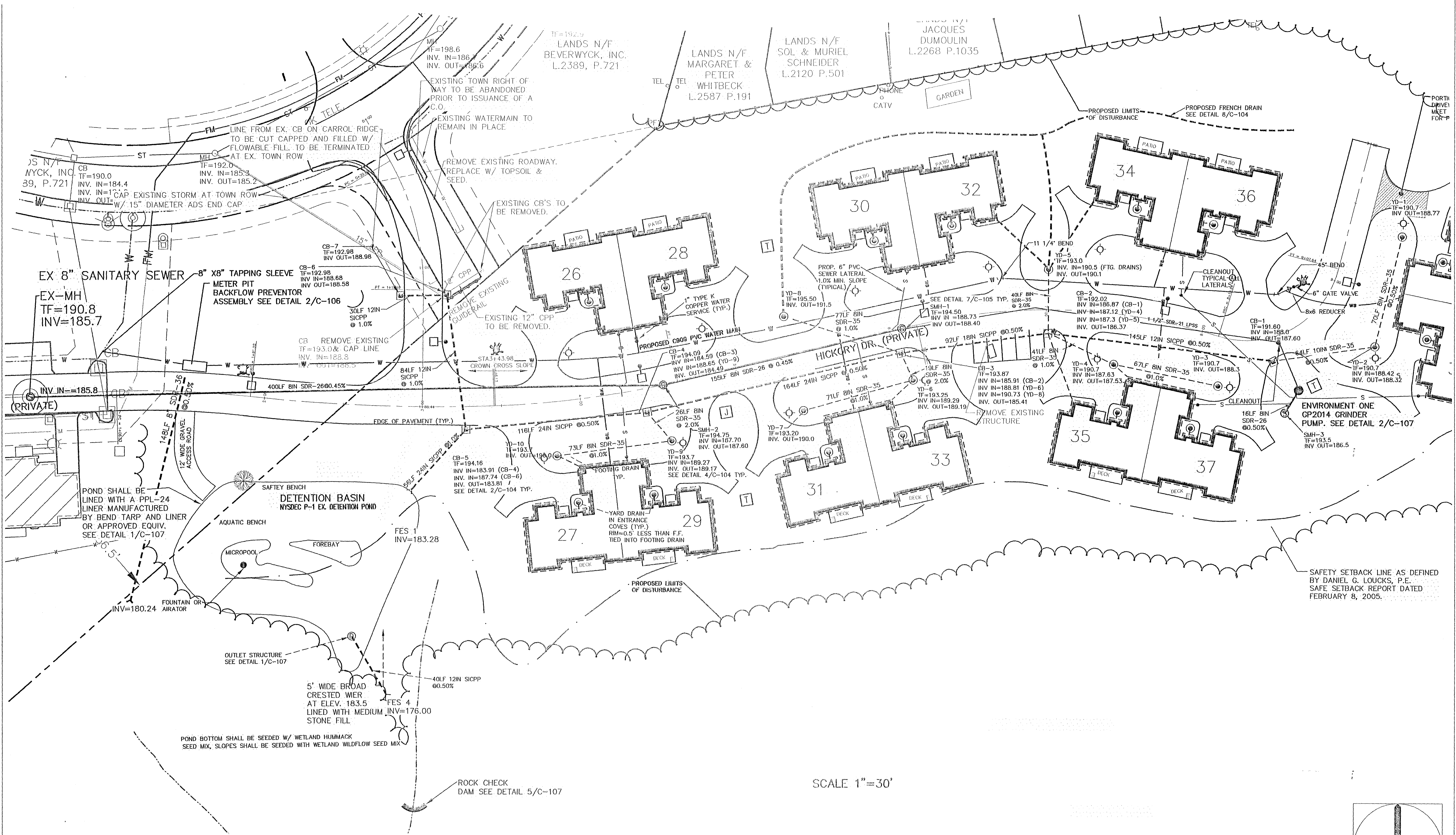
**PHASE IV COTTAGES**

**Slingerlands, New York**

Consultants  
 Civil:  
 Brett Steenburgh, P.E. P.L.L.C.  
 2832 Rosendale Road, Niskayuna, NY 12309  
 Phone: (518) 365-0675 Fax: (518) 831-9431

Landscape Architect:  
 Miller Associates  
 169 Haviland Road, Queensbury, NY 12804  
 Phone: (518) 792-4958 Fax: (518) 792-8511

Owner  
 Beechwood Inc.  
 2212 Burdett Avenue, Troy, NY 12180



SCALE 1"=30'

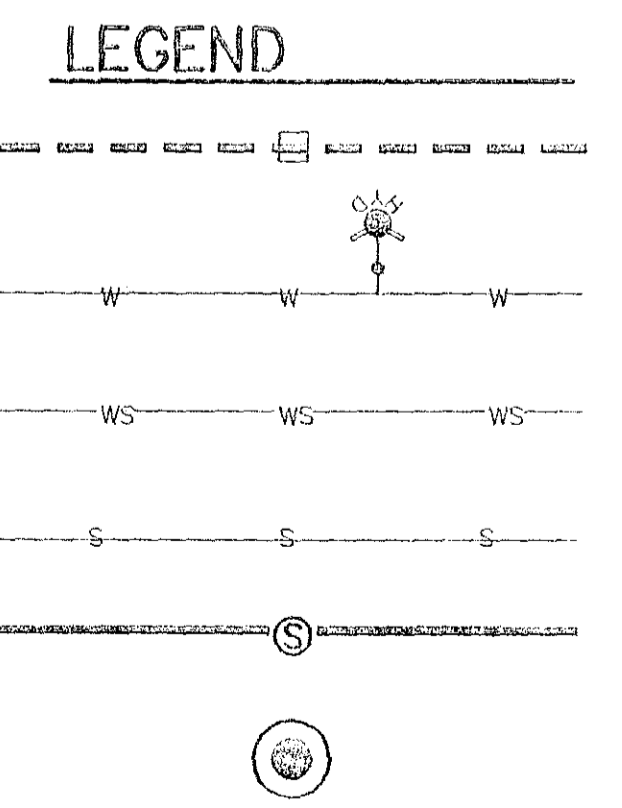
- GENERAL NOTES**
- EXISTING UTILITIES SHOWN ON THIS PLAN ARE BASED UPON A MAP PROVIDED SEE MAP REFERENCE. LOCATION OF EXISTING UTILITIES ARE BASED UPON PHYSICAL ABOVE GROUND EVIDENCE AND SHOULD BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
  - PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, GRADES, ELEVATIONS, AND MATERIALS GIVEN ON THE PLANS.
  - EXCESS BUILDING MATERIAL AND CLEARING DEBRIS SHALL BE DISPOSED OF OFF SITE.
  - IT SHALL BE THE CONTRACTOR RESPONSIBILITY TO REPLACE OR REPAIR ANY DAMAGE TO EXISTING ON SITE UTILITIES.
  - IT IS THE INTENT OF THESE PLANS TO BE IN STRICT CONFORMANCE WITH ALL TOWN OF BETHLEHEM, COUNTY OF ALBANY, STATE OF NEW YORK, AND APPLICABLE FEDERAL RULES REGULATIONS, AND LAWS IF CONFLICTS ARE NOTED BETWEEN THE ABOVE, AND THESE PLANS, IT SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER AND THE TOWN ENGINEER.
  - CONFLICTS SHOWN ON PLANS OR BETWEEN THE PLANS AND SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER, OWNER REPRESENTATIVE AND/OR ENGINEER.
  - ALL BUILDING MATERIAL AND DEBRIS SHALL BE DISPOSED OF AT AN APPROVED LOCATION

- WATER SUPPLY NOTES**
- THE WATERMAIN SHALL BE DISINFECTED WITH A WATER AND CHLORINE SOLUTION WITH A MINIMUM OF 50PPM CHLORINE. THE CHLORINE RESIDUAL IS TO BE A MINIMUM OF 25PPM AFTER 24 HOURS. THE WATERMAIN SHALL THEN BE FLUSHED AND A SAMPLE TAKEN FOR BACTERIA TESTING PRIOR TO BEING PLACED IN SERVICE. DISINFECTION SHALL BE PERFORMED IN ACCORDANCE WITH AWWA C651.86 (EXCLUDING SECTION 7.3 COVERING THE TABLET METHOD). CONTINUOUS FEED METHOD PROCEDURE IN AWWA C651 STANDARDS REQUIRED FOR POTABLE WATER SHALL BE MET. CHLORINATION AFTER A 24 HOUR HOLDING PERIOD IN THE MAIN SHALL HAVE A FREE CHLORINE RESIDUAL OF NOT LESS THAN 10 MG/L.
  - WATERWORKS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL STANDARDS AND SPECIFICATIONS.
  - ALL DUCTILE IRON PIPE TO BE USED MUST MEET ALL APPROPRIATE AWWA STANDARDS.
  - PRESSURE AND LEAKAGE TESTS MUST BE PERFORMED ON THE WATER SYSTEM, AND RESULTS MUST CONFORM TO AWWA C600 STANDARDS. PRESSURE DURING THE TEST SHALL NOT VARY BY MORE THAN 5 PSI. THE MAXIMUM ALLOWABLE LEAKAGE FOR EACH TEST SECTION OF D.I.P. IS DETERMINED BY THE FORMULA  $(L = 50 \text{ sq ft } P) \text{ OVER } (133,200)$ .
  - ALL WATER MAINS AND SERVICES SHALL BE CONSTRUCTED A MINIMUM OF 5' BELOW THE PROPOSED FINISHED GRADES.
  - ALL HYDRANTS AND FIRE PROTECTION EQUIP SHALL BE CONSTRUCTED TO THE TOWN OF BETHLEHEM STANDARDS.

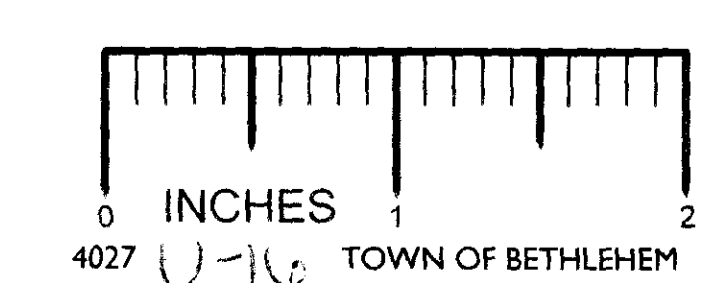
- SANITARY NOTES**
- INSTALLATION:
- ALL GRAVITY SEWER PIPE SHALL BE SDR-26 P.V.C.
- INSTALLATION SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND ALL APPLICABLE MANUFACTURERS SPEC. BEDDING AND BACKFILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD PROCTOR DENSITY.
  - THE LOW PRESSURE SANITARY SEWER SHALL BE INSTALLED IN ACCORDANCE WITH ALL TOWN OF BETHLEHEM REQUIREMENTS.

TESTING:

  - TESTED PER TOWN SPECIFICATIONS.



NOTE: ALL SHOP DRAWINGS SHALL BE SUBMITTED TO THE TOWN OF BETHLEHEM FOR REVIEW



PLANNING BOARD  
 TOWN OF BETHLEHEM  
 ALBANY COUNTY, NEW YORK

This plan APPROVED subject to such conditions as are stated in Building Project Approval (B/P/A)

No. *100* Dated: *7-16-04*  
 (Signature) Title: *Chairman*  
 Date: *7-16-04*

TOWN OF BETHLEHEM APPROVAL

Revisions

REVISED	02-16-05
REVISED	05-31-05
REVISED	09-23-05
REVISED	01-29-06
REVISED	02-22-06
REVISED	02-23-06
REVISED	03-09-06
REVISED	03-24-06
REVISED	04-24-06
REVISED	05-21-06
REVISED	07-10-06

**UTILITY PLAN**

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Drawing Number: *4027 U-16*

**C-103**

Date: AUGUST 5, 2004