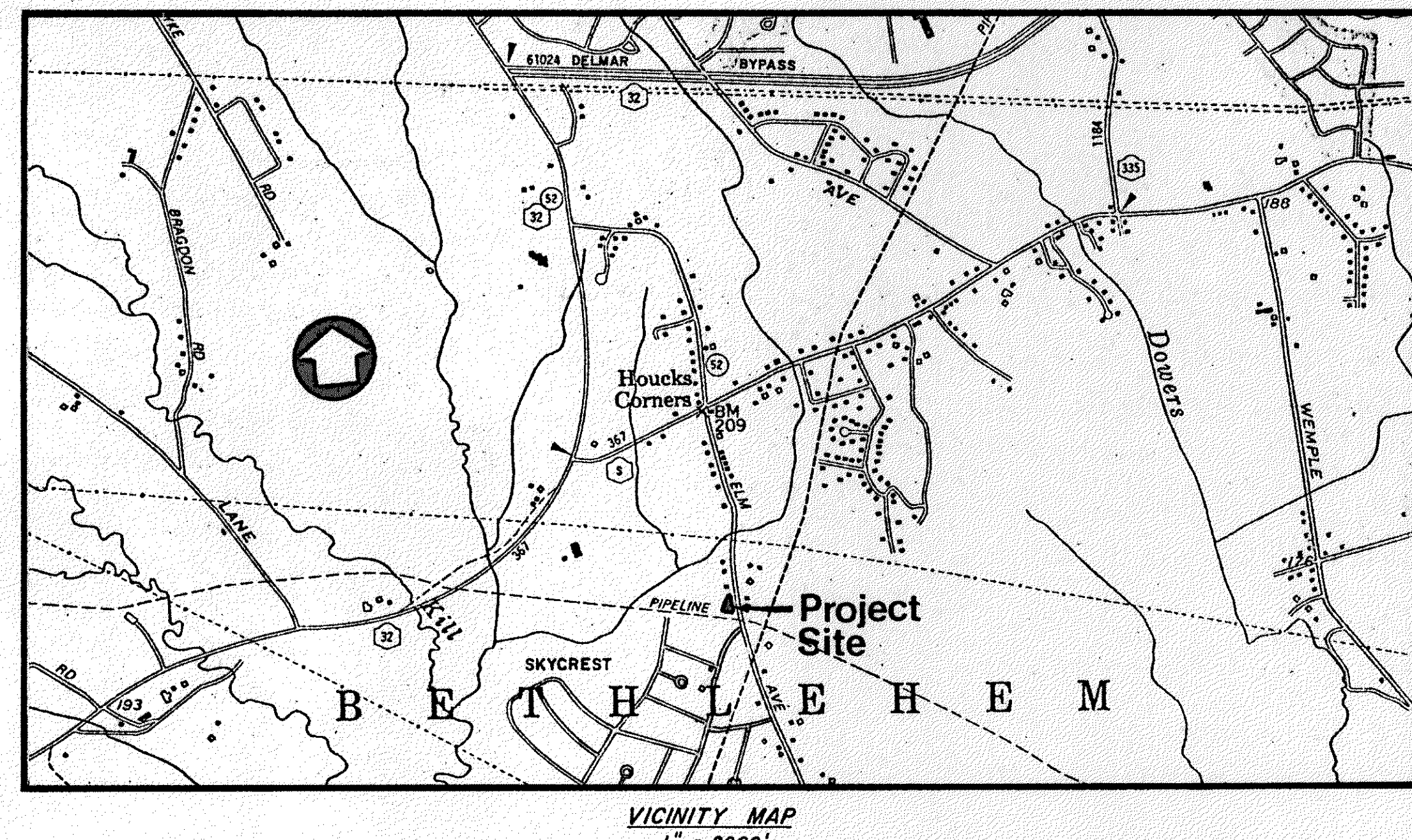


BEARING BASE IS FROM A MAP ENTITLED PROPOSED DISTRICT NO. PRD-3, SECTION NO. 1, TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK, LANDS OWNED BY BRONCO DEVELOPMENT LTD. (See Note)

BUILDING PROJECT FOR PLANNED RESIDENCE BETHLEHEM, ALBANY COUNTY, NEW YORK, 49 MARSDALE STREET, ALBANY NEW YORK 12208



LANDS N/F OF LASZLO & LIVIA MAGONY

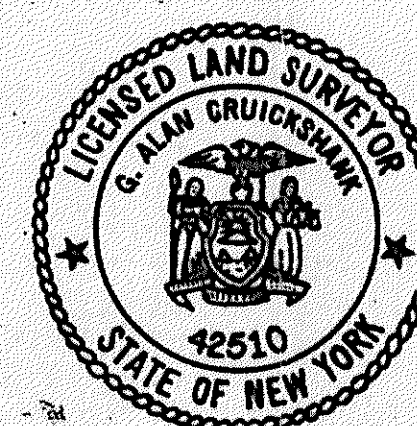
AREA = 0.516 ± ACRE

LANDS N/F OF LASZLO & LIVIA MAGONY

ELM AVENUE

SITE PLAN  
1" = 20'

DATE	RECORD OF WORK	
11-11-80	DRIVEWAY ADDED AND TILE FIELD MODIFIED	P.B.C.



### SANITARY DISPOSAL SYSTEM

- BUILDING TO SEPTIC TANK: 4" C.I. PIPE. TIGHT JOINTS, MIN. SLOPE - 1/8" PER FOOT.
- SEPTIC TANK TO DISTRIBUTION BOX: 4" SOLID PIPE, TIGHT JOINTS, MIN. SLOPE - 1/8" PER FOOT (PVC, CAST IRON).
- DISTRIBUTION BOX TO TILE FIELD LATERALS: 4" SOLID PIPE, TIGHT JOINTS, MIN. SLOPE - 1/8" PER FOOT (PVC, CAST IRON).
- TILE FIELD LATERALS: 4" PERFORATED PIPE MAXIMUM SLOPE - 1/16" PER FOOT.
- ENDS OF TILE FIELD TO BE CONNECTED WITH ABSORPTION TRENCH CONSTRUCTED IN CONFORMANCE WITH TYPICAL ABSORPTION TRENCH DETAILS.

### SEPTIC TANK

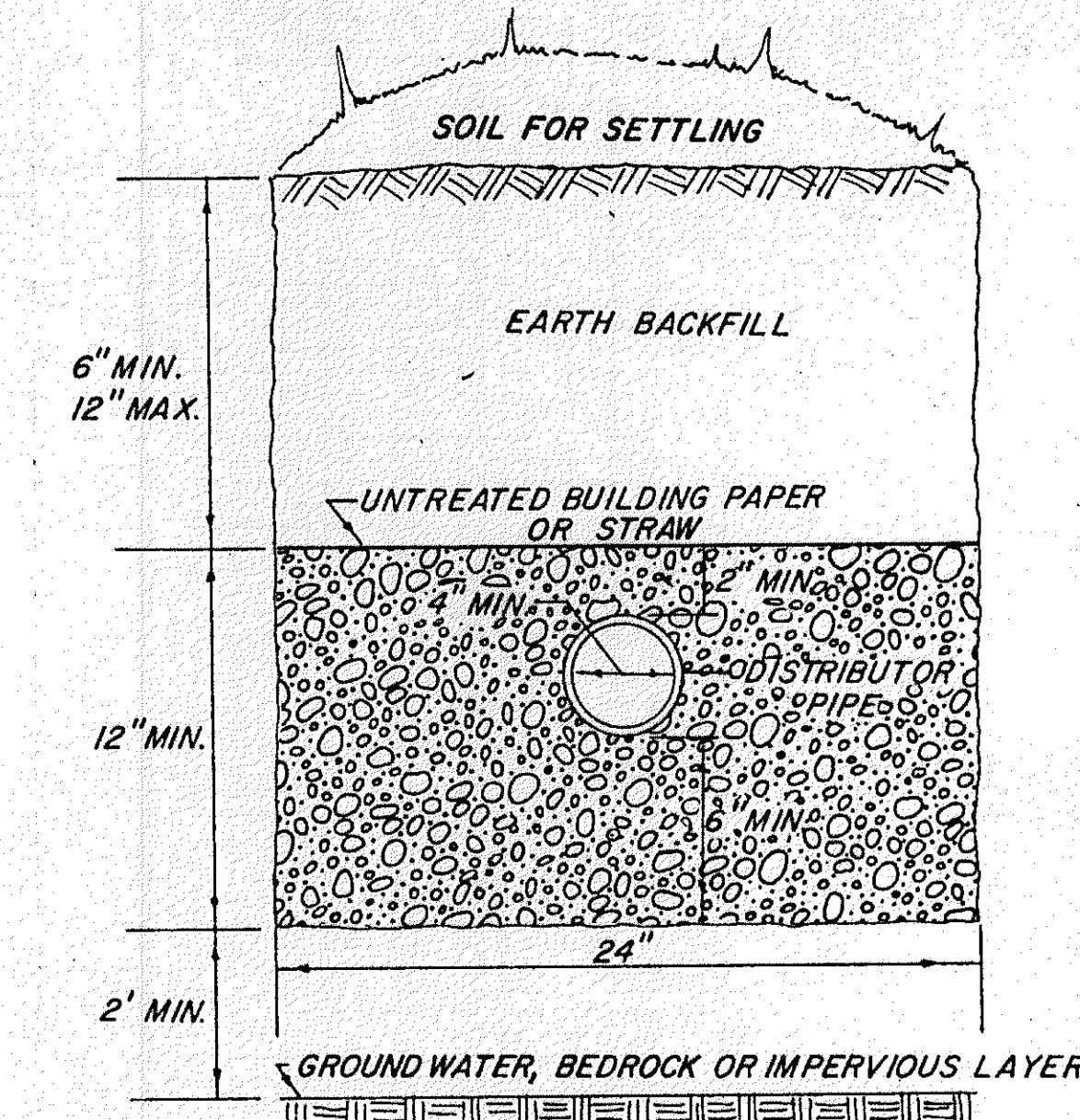
- SEPTIC TANK SHALL HAVE MINIMUM LIQUID CAPACITY OF 1000 GALLONS. CONSTRUCTION SHALL BE PRECAST CONCRETE MANUFACTURED BY FORT MILLER CO., OR EQUAL.

### DISTRIBUTION BOX

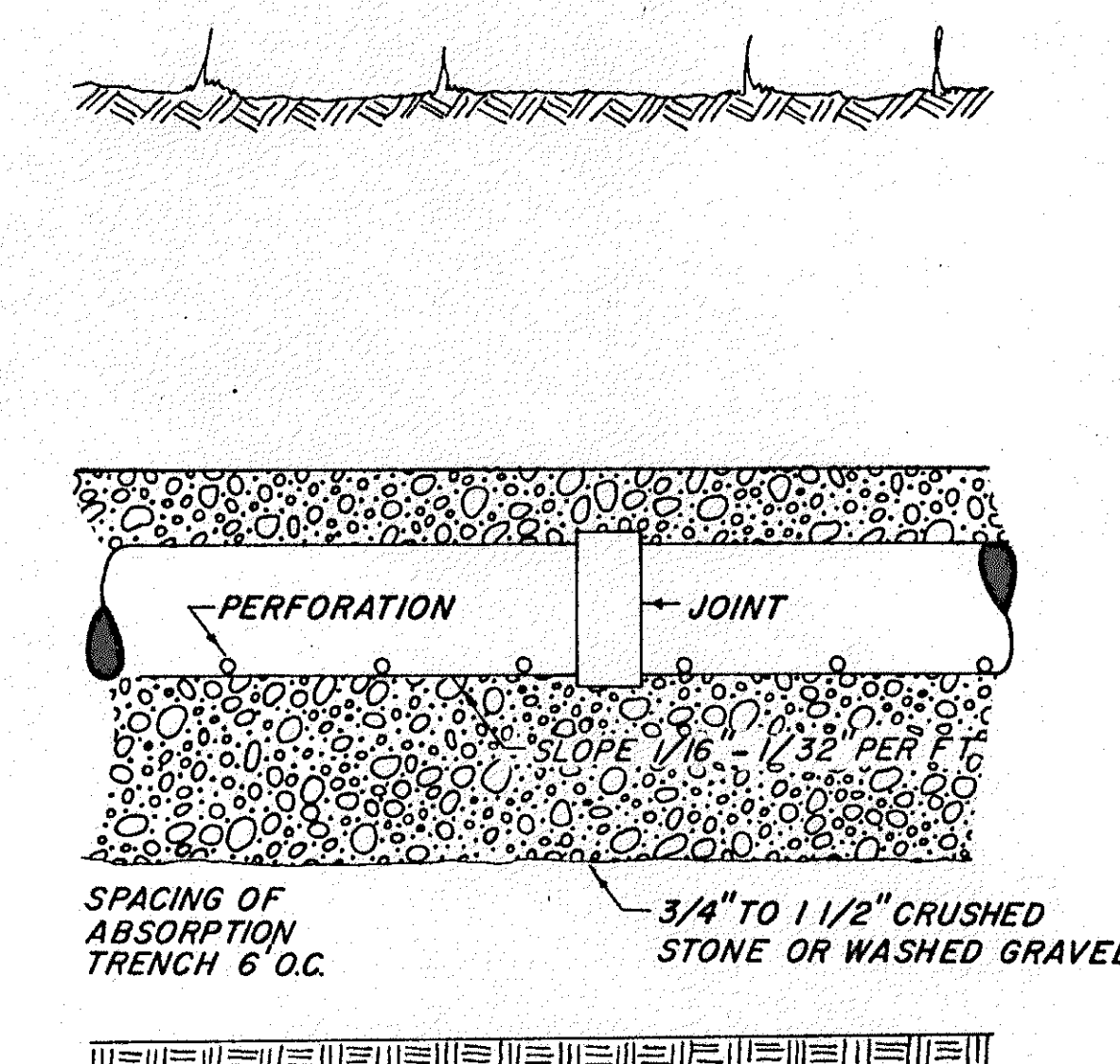
- DISTRIBUTION BOX TO BE PRECAST CONCRETE WITH REMOVABLE COVERS FOR CLEANING ACCESS. BOX TO HAVE SUFFICIENT OUTLETS FOR LATERALS, AND TO BE CONSTRUCTED WITH AN INTERIOR BAFFLE. DISTRIBUTION BOX SHALL BE MANUFACTURED BY FORT MILLER CO., OR EQUAL.

### GENERAL NOTES

- EXISTING GROUND SURFACE IN TILE FIELD AREA TO BE THOROUGHLY CLEARED, GRUBBED AND TOPSOIL REMOVED PRIOR TO THE PLACEMENT OF ANY FILL MATERIAL.
- SURFACE OF TILE FIELD AREA TO BE GRADED IN A MANNER SO AS TO SHED SURFACE RUNOFF.
- SURFACE OF TILE FIELD AREA TO BE GRASSED. NO HEAVY EQUIPMENT OR VEHICULAR TRAFFIC IS TO BE ALLOWED ON THE TILE FIELD.
- FINISH FLOOR OF PROPOSED BUILDINGS TO BE ESTABLISHED AT ELEVATION WHICH WILL PROVIDE FOR REQUIRED SEPARATION OF TILE FIELD FROM GROUND WATER TABLE.
- MINIMUM HORIZONTAL SEPARATION BETWEEN WATER AND SANITARY LINES SHALL BE 10'-0".
- 20' MINIMUM HORIZONTAL SEPARATION SHALL BE BETWEEN BUILDING AND THE TILE FIELD LATERALS.
- 10' MINIMUM HORIZONTAL SEPARATION SHALL BE BETWEEN PROPERTY LINE AND TILE FIELD LATERALS.
- TILE FIELD LATERALS SHALL BE 4" DIAMETER PERFORATED PIPE OF P.V.C. OR BITUMINIZED FIBER. COILED OR FLEXIBLE PERFORATED UNDERDRAIN PIPE WILL NOT BE ACCEPTABLE.



Cross Sectional View



Longitudinal View

TYPICAL ABSORPTION TRENCH DETAILS  
NOT TO SCALE

### DESIGN CALCULATIONS

#### DESIGN FLOW

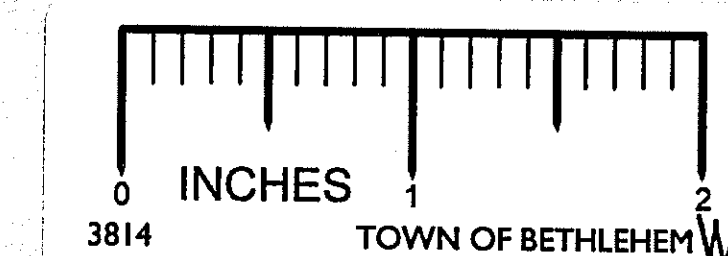
3 BEDROOM RESIDENCE  
150 GALLONS PER BEDROOM  
450 GALLONS PER DAY

#### TILE FIELD DESIGN

OBSERVED PERCOLATION RATE:  
10 MINUTES PER INCH  
ALLOWABLE APPLICATION RATE:  
0.9 GALLONS PER SQ. FT. PER DAY  
REQUIRED AREA:  
450 0.9 = 500 SQ. FT.  
REQUIRED LENGTH OF TRENCH:  
500 SQ. FT. 2 FT. = 250 FT.  
USE 5 LATERALS 50 FT. OR 250 FT.

#### NOTE:

PROPERTY LINE INFORMATION SHOWN HEREON IS FROM MAP ENTITLED, "PROPOSED BUILDING PROJECT FOR PLANNED RESIDENCE DISTRICT NO. PRD-3, SECTION NO. 1, TOWN OF BETHLEHEM, ALBANY COUNTY, NEW YORK - LANDS OWNED BY BRONCO DEVELOPMENT, LTD., 49 MARSDALE STREET, ALBANY, NEW YORK, 12208", DATED AUGUST 24, 1973, AS PREPARED BY G. ALAN CRUICKSHANK, P.L.S.



PLANNING BOARD  
TOWN OF BETHLEHEM  
ALBANY COUNTY, NEW YORK

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

No. 7 dated 20 March 1975  
& Amendment No. 1 dated 31 October 1979

*Edward H. Long*  
Title CHAIRMAN  
Date NOV 24 1980

### ALBANY COUNTY DEPARTMENT OF HEALTH

This is to certify that the proposed arrangements for water supply and sewerage for Lot 469, Elm Ave., Realty Subdivision, are approved subject to the conditions listed in letter of this date, and in accordance with Article X of the Albany County Sanitary Code. Consent is hereby given for the filing of this map in the Office of the Albany County Clerk.

NOV 20 1980

Date .....

*John J. Lyons, M.D.*  
Commissioner of Health

*Richard W. Brown*  
Dir. Div. Environmental Health Services

Proposed Addition to Building Project  
Planned Residence District No. PRD-3  
Addition to Section No. 1  
Lot - 469 Elm Avenue (469)  
Property of Bronco Development Ltd.

Town of Bethlehem Albany County, New York  
Scale: As Shown September 2, 1980

G. ALAN CRUICKSHANK  
Professional Land Surveyors  
Land Planners - Site Development Consultants  
R.D. 6 Lapp Road, Clifton Park, New York 12065

MAP BY: G. ALAN CRUICKSHANK LIC. NO. 42,510 MAP NO. 80-58-L

Recd FR. T/Cue 5 Dec 1980