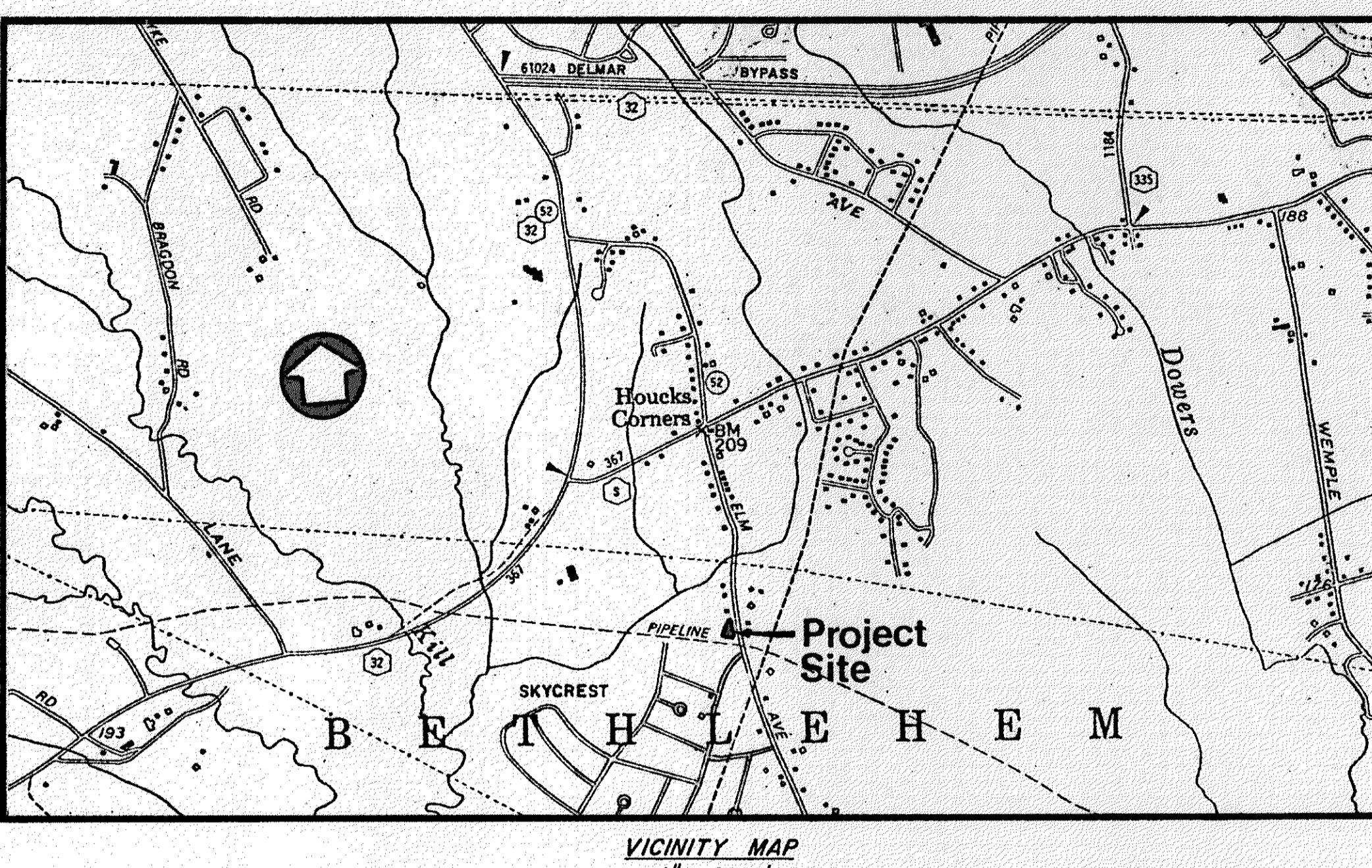
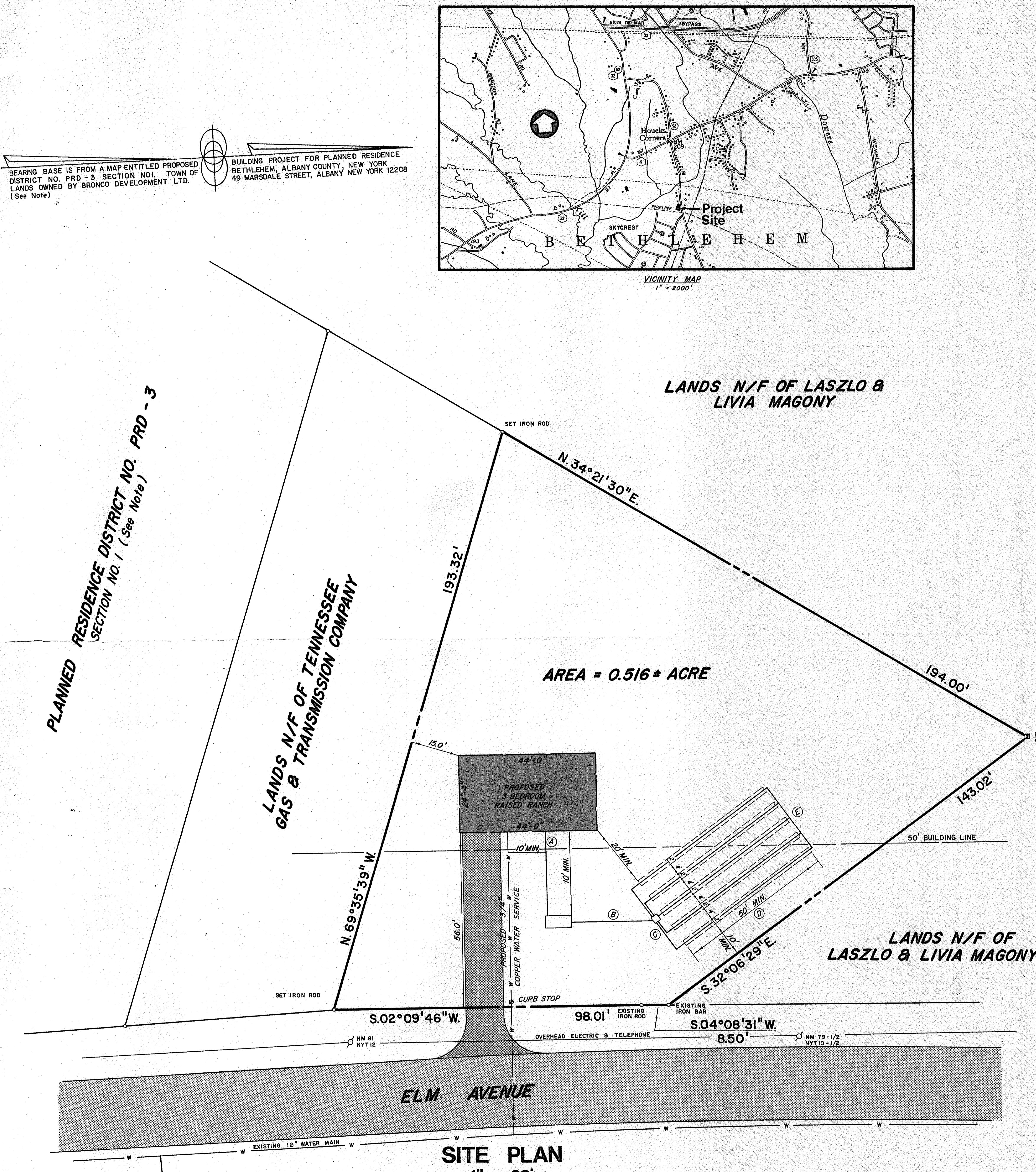
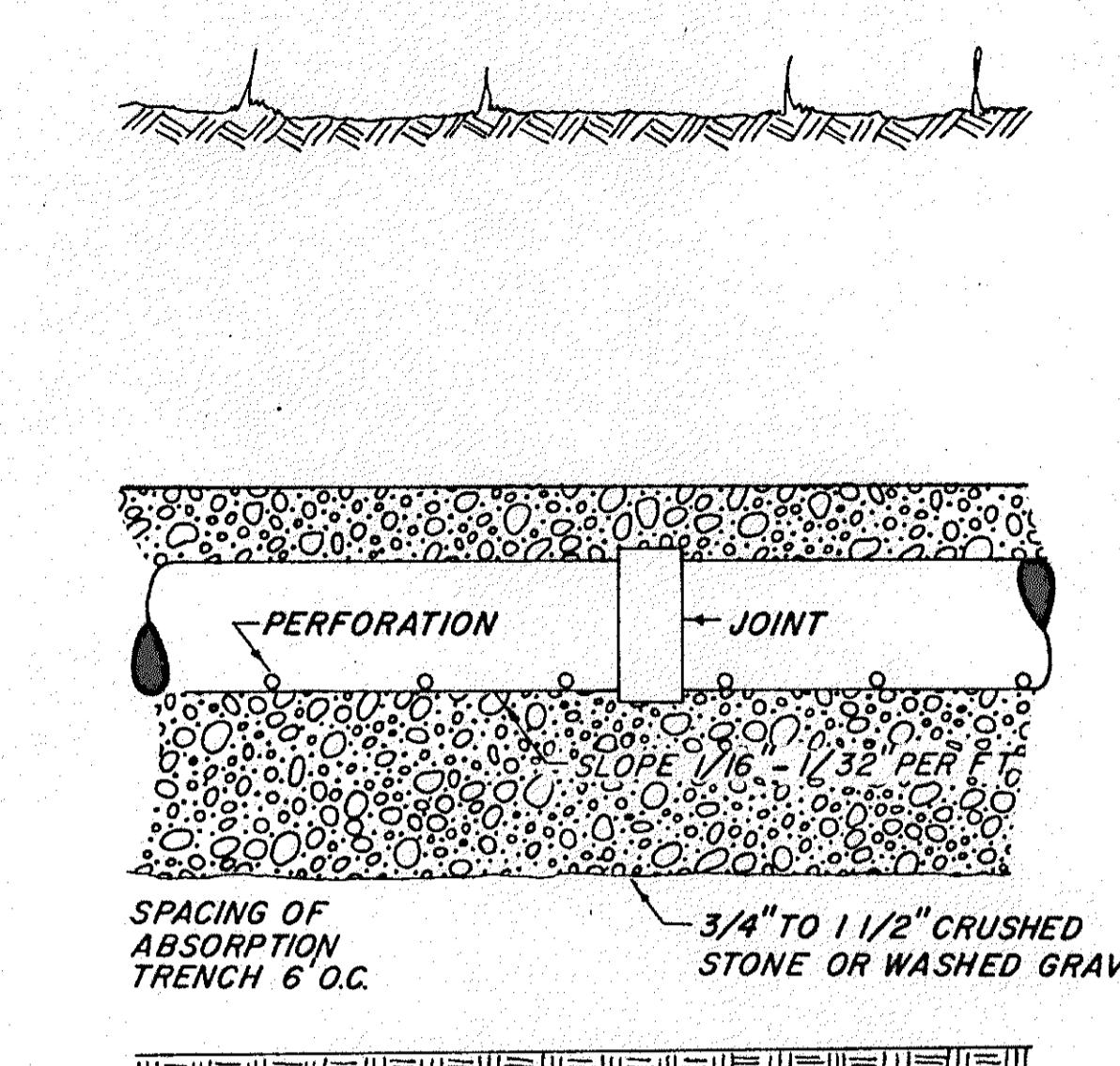
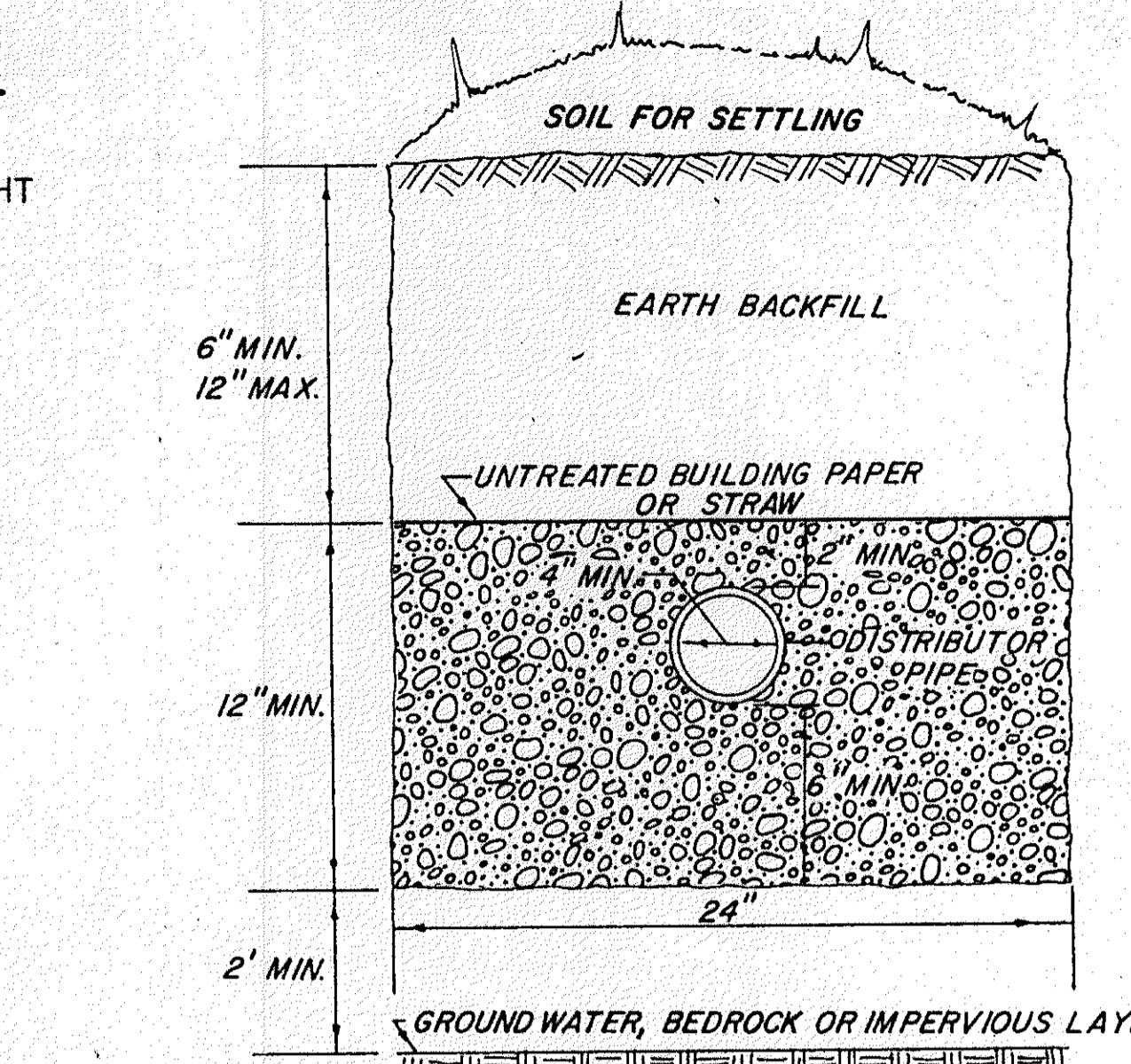


PLANNED RESIDENCE SECTION NO. 1 (See Note) DISTRICT NO. PRD-3



## SANITARY DISPOSAL SYSTEM

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



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.

## GENERAL NOTES

1. EXISTING GROUND SURFACE IN TILE FIELD AREA TO BE THOROUGHLY CLEARED, GRUBBED AND TOPSOIL REMOVED PRIOR TO THE PLACEMENT OF ANY FILL MATERIAL.
2. SURFACE OF TILE FIELD AREA TO BE GRADED IN A MANNER SO AS TO SHED SURFACE RUNOFF.
3. SURFACE OF TILE FIELD AREA TO BE GRASSED, NO HEAVY EQUIPMENT OR VEHICULAR TRAFFIC IS TO BE ALLOWED ON THE TILE FIELD.
4. FINISH FLOOR OF PROPOSED BUILDINGS TO BE ESTABLISHED AT ELEVATION WHICH WILL PROVIDE FOR REQUIRED SEPARATION OF TILE FIELD FROM GROUND WATER TABLE.
5. MINIMUM HORIZONTAL SEPARATION BETWEEN WATER AND SANITARY LINES SHALL BE 10'-0".
6. 20' MINIMUM HORIZONTAL SEPARATION SHALL BE BETWEEN BUILDING AND THE TILE FIELD LATERALS.
7. 10' MINIMUM HORIZONTAL SEPARATION SHALL BE BETWEEN PROPERTY LINE AND TILE FIELD LATERALS.
8. 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.

## 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 CRUCKSHANK, 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 1980	
Edward H. Loyal Title CHAIRMAN Date NOV 24 1980	

APPROVAL STAMP	
ALBANY COUNTY DEPARTMENT OF HEALTH	
<p>This is to certify that the proposed arrangements for water supply and sewerage for lot 469 Elm Avenue, Realty Subdivision realty development in the Town of Bethlehem... 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.</p> <p>John J. Lyons, M.D. NOV 20 1980 Date ..... Commissioner of Health</p> <p>John J. Lyons, M.D. Dir. Div. Environmental Health Services</p>	
<p>G. ALAN CRUCKSHANK Professional Land Surveyors Land Planners - Site Development Consultants R.D. 6 Lapp Road, Clifton Park, New York 12065</p>	

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.	
<p>Town of Bethlehem Albany County, New York Scale: As Shown September 2, 1980</p> <p>G. ALAN CRUCKSHANK Professional Land Surveyors Land Planners - Site Development Consultants R.D. 6 Lapp Road, Clifton Park, New York 12065</p>	
<p>MAP BY: G. ALAN CRUCKSHANK LIC. NO. 42,510 MAP NO. 80-58-L</p>	

Rec'd fr. T/CLK 5 Dec 1980

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