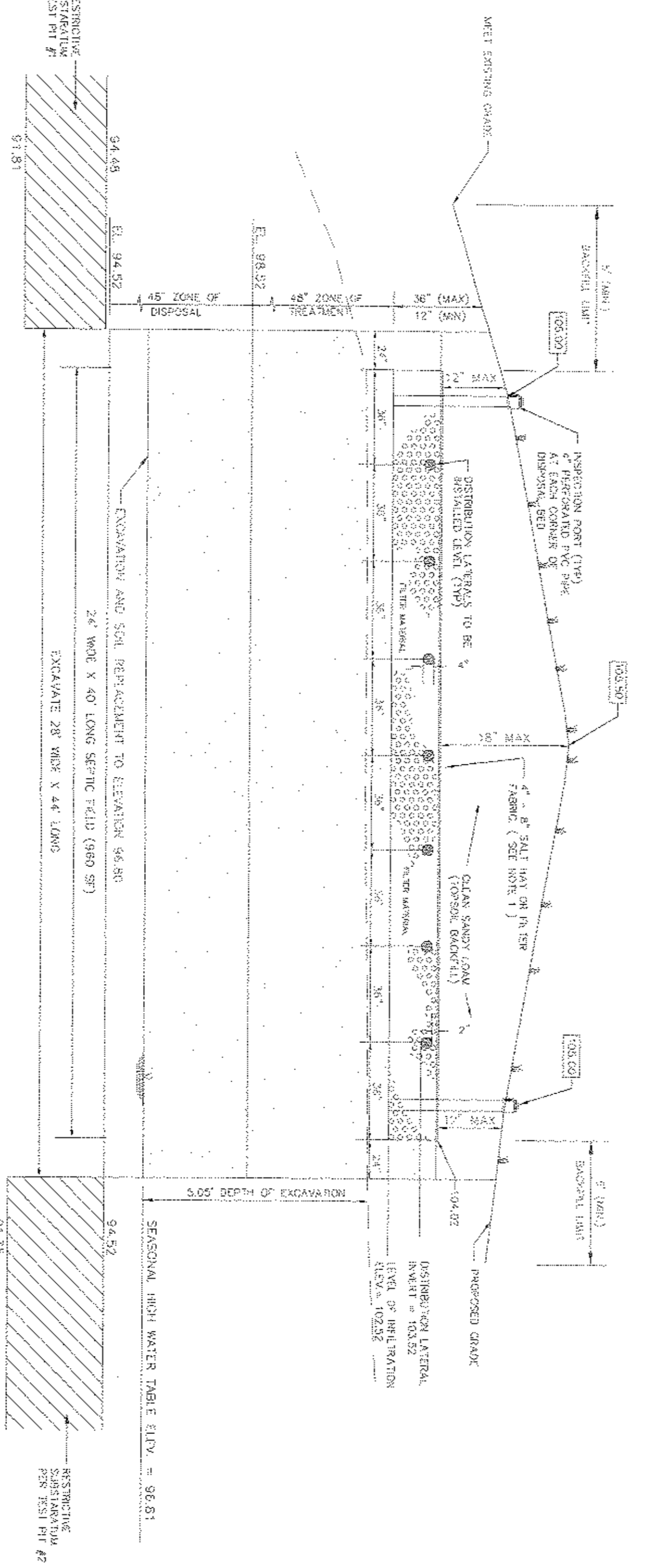
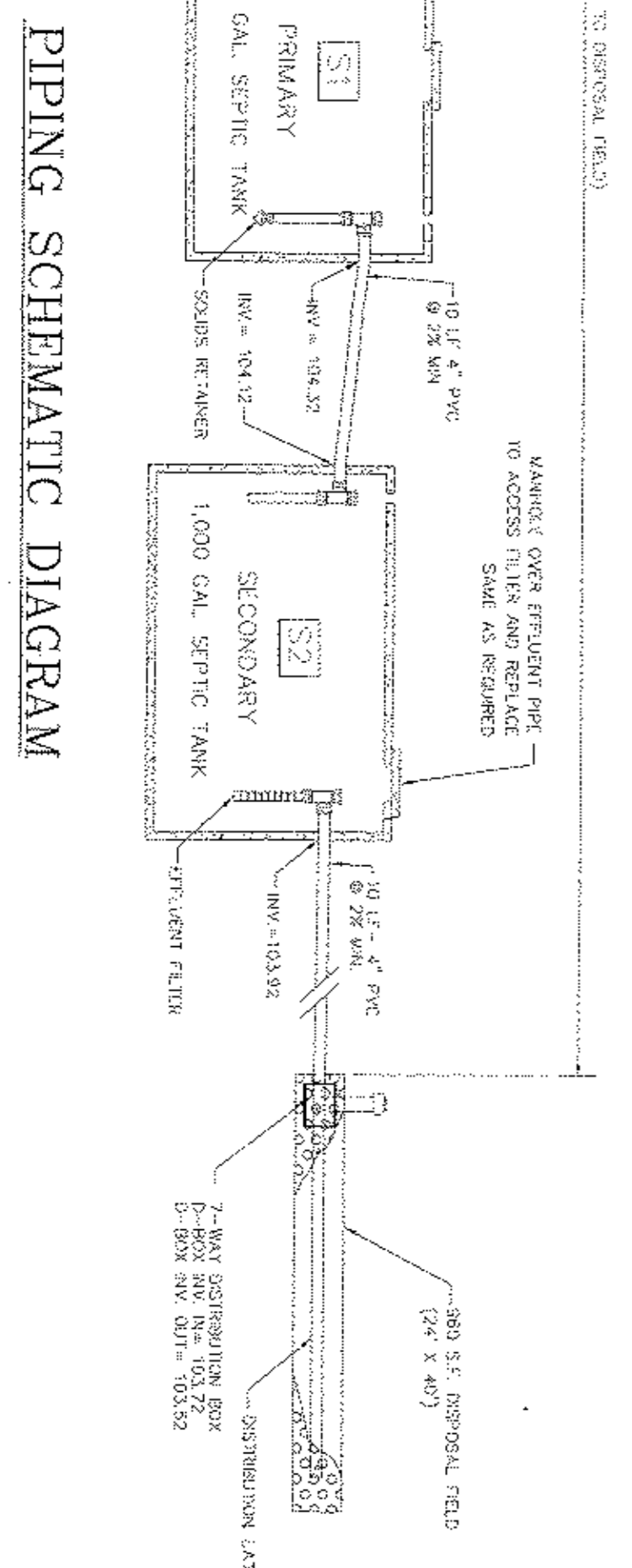


DISTRIBUTION LATERAL CROSS SECTION - A  
 7 - WAY DISTRIBUTION BOX DETAIL  
 INSPECTION PORT DETAIL



- NOTES:
- 1) FILL MATERIAL WITHIN ZONE OF TREATMENT AND ZONE OF DISPOSAL.
  - 2) TYPICAL ANALYSIS COMPOSITION, OF SEPTIC TANK EFFLUENT, IS AS FOLLOWS: SOLIDS FROM 8 TO 20 PPM, BOD FROM 100 TO 150 PPM, PHOSPHORUS FROM 5 TO 10 PPM, NITROGEN FROM 10 TO 20 PPM.
  - 3) PERMEABILITY FROM 8 TO 20 SHOES PER FOOT OF PENETRATION RATE FROM 2 TO 15 MINUTES.
  - 4) PROPOSED SYSTEM IS BASED ON THE ASSUMPTION THAT THE DISPOSAL FIELD WILL BE USED FOR 15 YEARS.
- NOTES:
- 1) SHOWN IN THIS CROSS SECTION IS THE LOCATION OF THE 7-WAY DISTRIBUTION BOX.
  - 2) APPROXIMATE TOTAL OVERSAND FILLING OF MANHOLE.
  - 3) FILTER LATERAL SHALL BE 2\"/>
  - 4) GRANULAR SUBSTRATE SHALL BE 1/2\"/>

DISPOSAL FIELD CROSS SECTION



PIPPING SCHEMATIC DIAGRAM

DESIGN CRITERIA

1.1. THE SYSTEM SHALL BE DESIGNED TO TREAT THE SEPTIC TANK EFFLUENT TO A LEVEL THAT WILL PERMIT THE EFFLUENT TO BE DISPOSED IN THE DISPOSAL FIELD WITHOUT CAUSING AN UNDESIRABLE EFFECT ON THE ENVIRONMENT.

1.2. THE DISPOSAL FIELD SHALL BE DESIGNED TO TREAT THE SEPTIC TANK EFFLUENT TO A LEVEL THAT WILL PERMIT THE EFFLUENT TO BE DISPOSED IN THE DISPOSAL FIELD WITHOUT CAUSING AN UNDESIRABLE EFFECT ON THE ENVIRONMENT.

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DESIGN DATA

DESIGN CRITERIA

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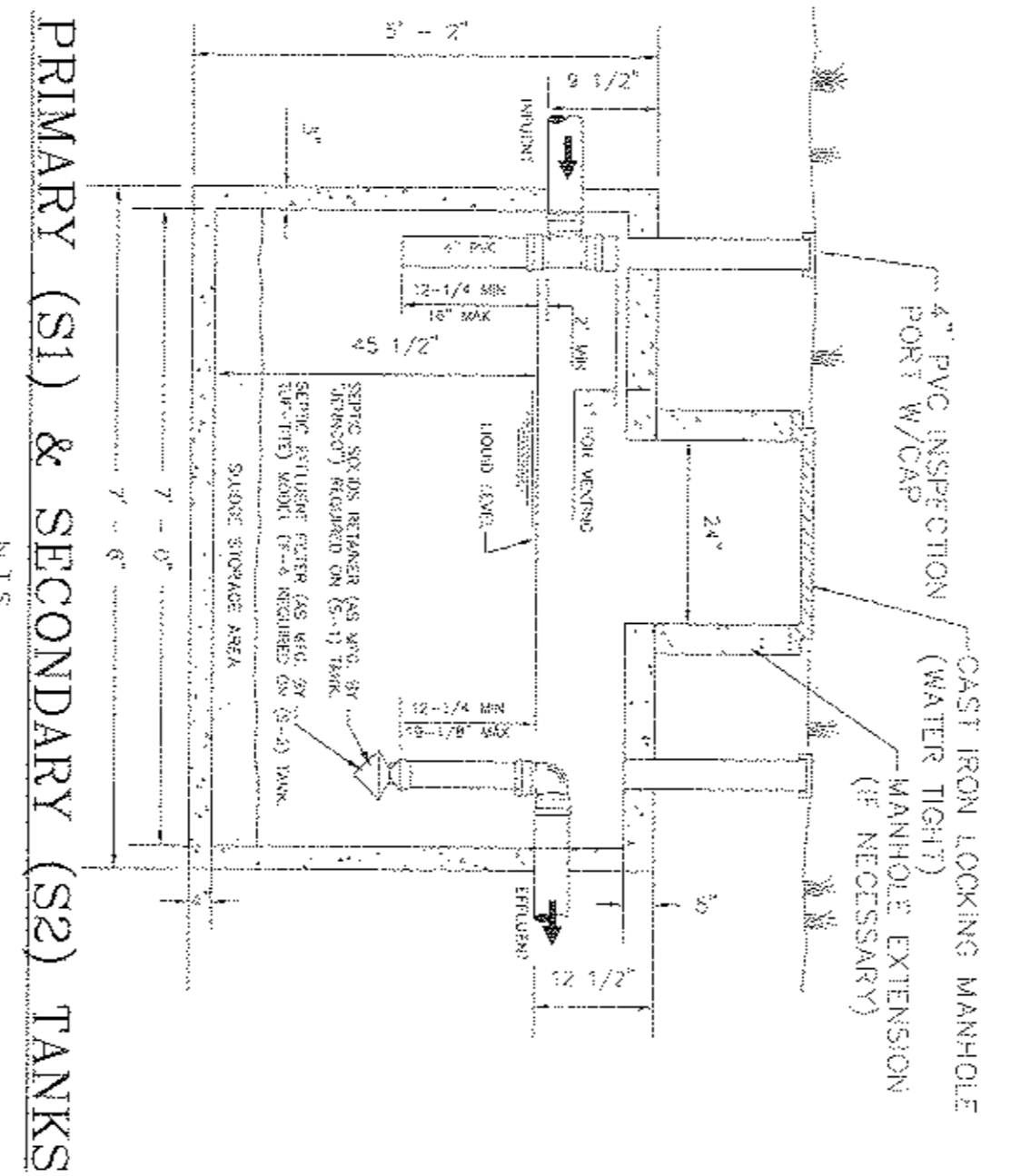
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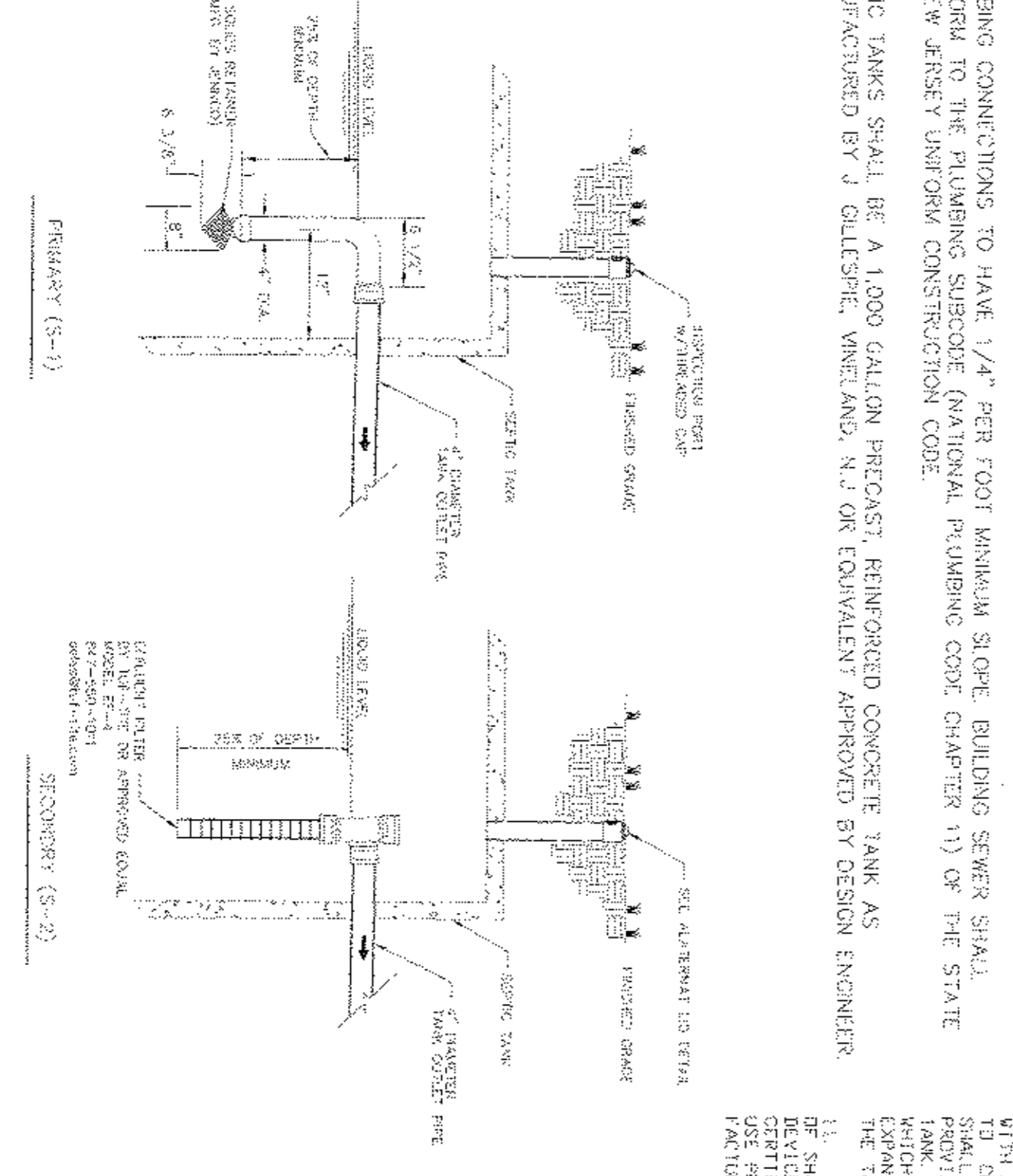
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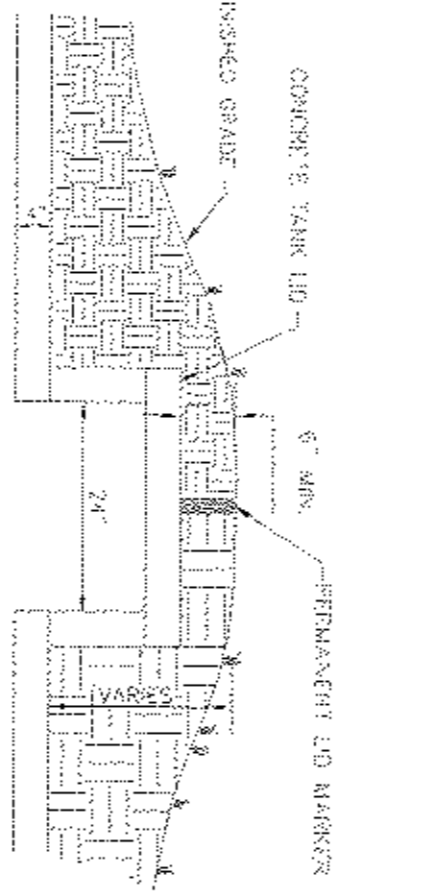
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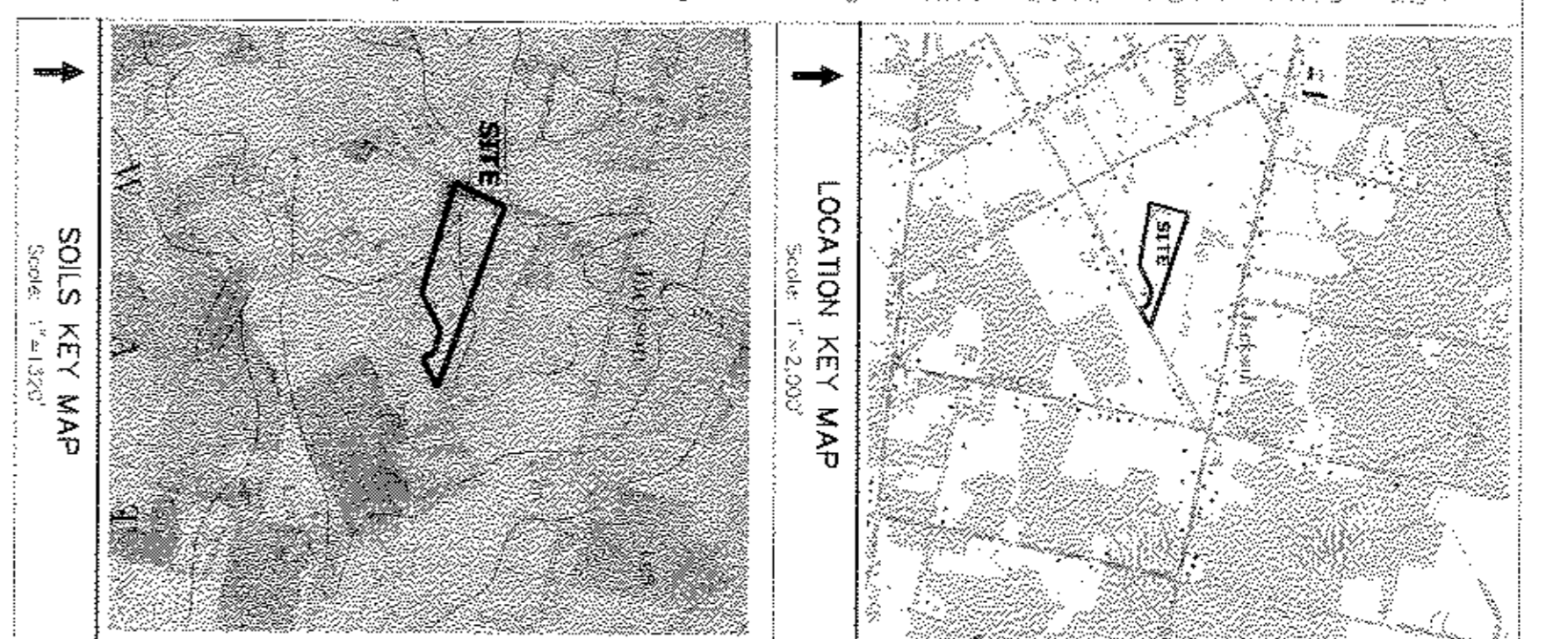
PRIMARY (S1) & SECONDARY (S2) TANKS



SEPTIC TANK OUTLET DETAILS



ALTERNATE LID DETAIL



LOCATION KEY MAP  
 SOILS KEY MAP

REVISIONS

NO.	DATE	DESCRIPTION

SWIFT - VALERI RESIDENCE  
 SEPTIC DESIGN

AVILA ENGINEERING

1141 MILLERS ROAD  
 BLOCK 141, LOT 46  
 7421 LINDWOOD AVENUE  
 CAMDEN COUNTY, NJ

ALTERNATE ANALYSIS  
 • LAND DEVELOPMENT  
 • SITE PLANNING

PHONE: 856-974-1119  
 FAX: 856-974-1152  
 E-MAIL: AVILA@AVILAENGINEERING.COM

PROJECT NO.: 2023/270  
 DATE: 11/13/2023

DESIGNED BY: MICHAEL E. AVILA  
 CHECKED BY: MICHAEL E. AVILA  
 DRAWN BY: MICHAEL E. AVILA

SCALE: 1" = 4'-0"

2 OF 2