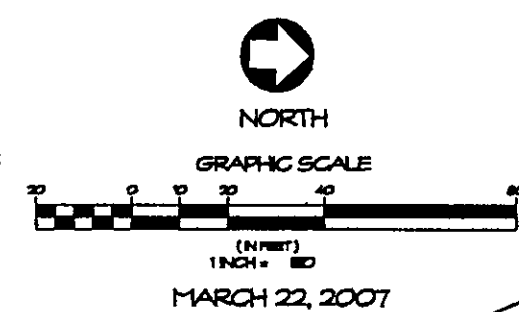


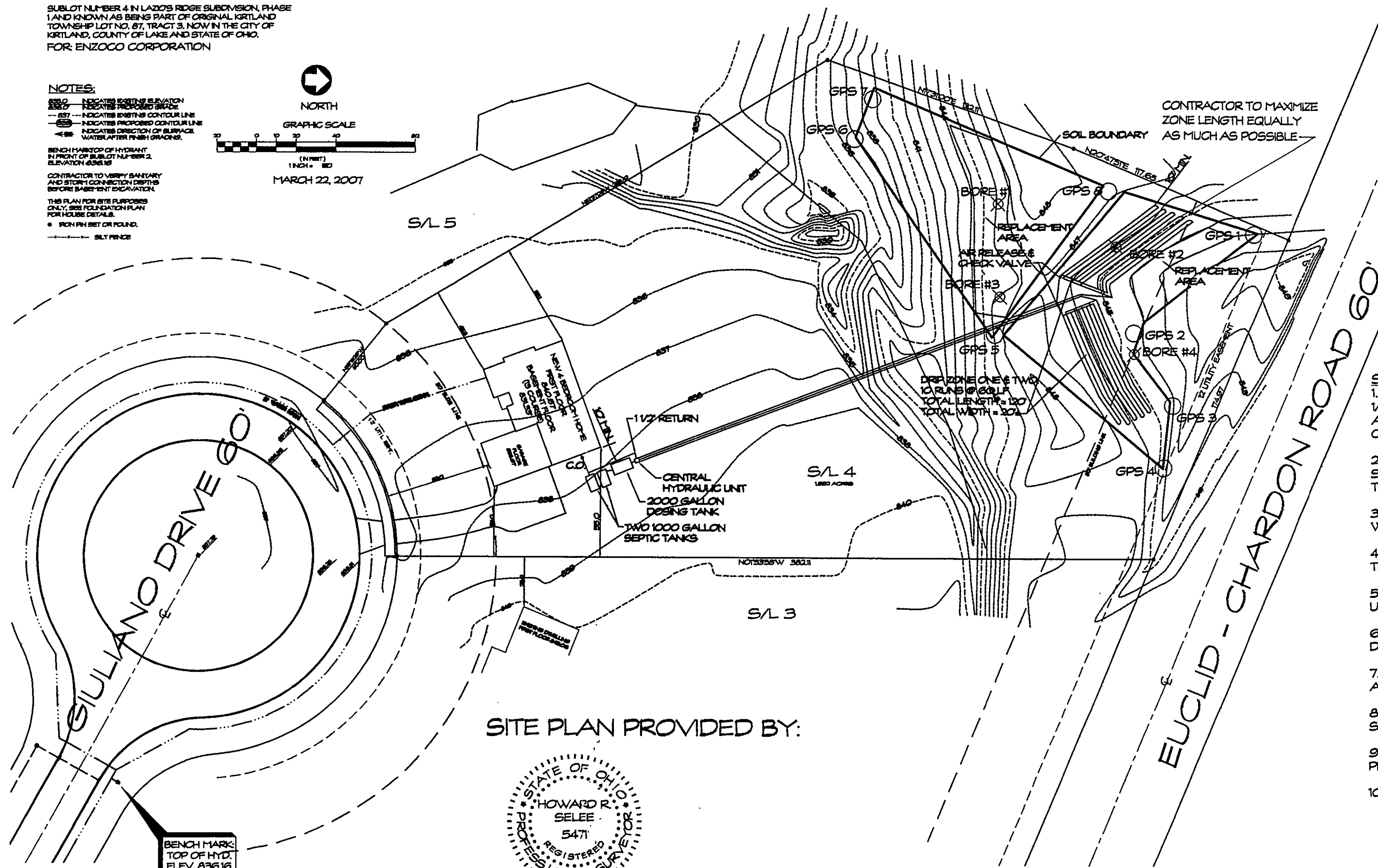
SITE IMPROVEMENT PLAN SUBLOT NUMBER 4 IN LADOS RIDGE SUBDIVISION, PHASE 1 AND 2, AND ADJACENT PARTS OF ORIGINAL 10TH AND 11TH TOWNSHIP LOT NO. 87, TRACT 3, NOW IN THE CITY OF KIRTLAND, COUNTY OF LAKE AND STATE OF OHIO, FOR ENZOZO CORPORATION

NOTES:

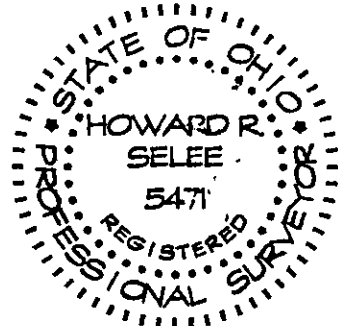
1. ALL GRAVITY SEWER LINES SHALL BE SCH. 40 PVC, 1/8" MIN. SLOPE (OR AS SHOWN ON PLANS) AND SHALL CONFORM TO ASTM D-3034 WITH JOINTS CONFORMING TO ASTM D-3212.
2. ALL PRESSURE PIPE SHALL BE SCH. 40 AND SHALL CONFORM TO ASTM D-2241 WITH JOINTS CONFORMING TO ASTM D-3139 OR AS SPECIFIED BY THE MANUFACTURER.
3. THESE DRAWINGS WERE PREPARED IN ACCORDANCE WITH THE OHIO DEPARTMENT OF HEALTH REGULATIONS.
4. INSTALLER IS TO FIELD VERIFY GRADES AND CONSULT THE ENGINEER IN THE CASE OF DISCREPANCY.
5. ALL DISTURBED AREAS SHALL BE GRADED AND SEEDED UPON COMPLETION.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEWATERING, SHEETING AND SHORING FOR EXCAVATION.
7. TANKS SHALL BE FILLED WITH WATER IMMEDIATELY AFTER INSTALLATION TO PREVENT "FLOATING".
8. HOME AERATION TANK TO MEET LATEST ANS/NSF STANDARD 40 REQUIREMENTS.
9. FORCE MAIN TO BE LAID GREATER THAN 3'-0" DEEP TO PREVENT FREEZING.
10. CONTRACTOR SHALL NOT DRIVE ACROSS REPLACEMENT AREA TO CONSTRUCT DRIP ZONES.



MARCH 22, 2007



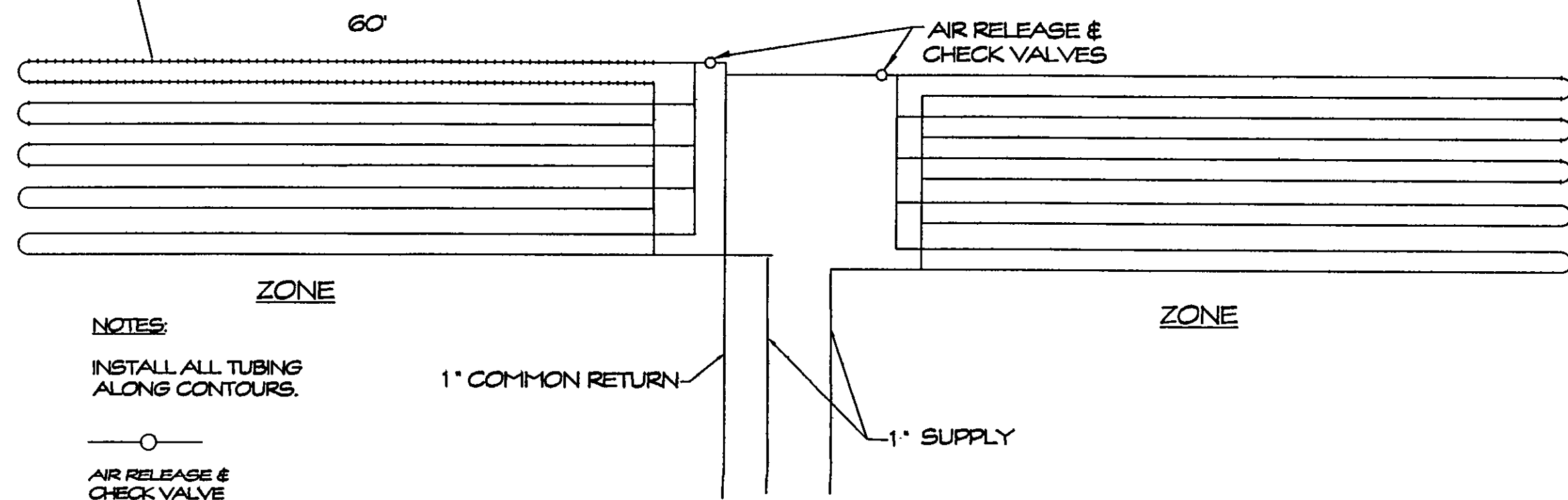
SITE PLAN PROVIDED BY:



DIMENSIONS SHOWN ARE HEREON EXPRESSED IN FEET AND DECIMAL PARTS THEREOF. MONUMENTS WERE FOUND OR SET AS INDICATED HEREON. BEARINGS SHOWN ARE TO AN ASSUMED MERIDIAN AND ARE FOR THE SOLE PURPOSE OF DESCRIBING THE RELATIVE ANGULAR VALUE BETWEEN LINES, ALL OF WHICH I CERTIFY TO BE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

HOWARD R. SELEE, REG. SURVEYOR #5471 DATE

NOTE: EMITTERS ARE EXTRUDED 2'-0" O.C. AND TUBING IS INSTALLED 2'-0" O.C. THUS THAT A GRID IS INSTALLED.



DRIP FIELD LAYOUT

NOT TO SCALE

NOTES:

INSTALL ALL TUBING ALONG CONTOURS.
AIR RELEASE & CHECK VALVE

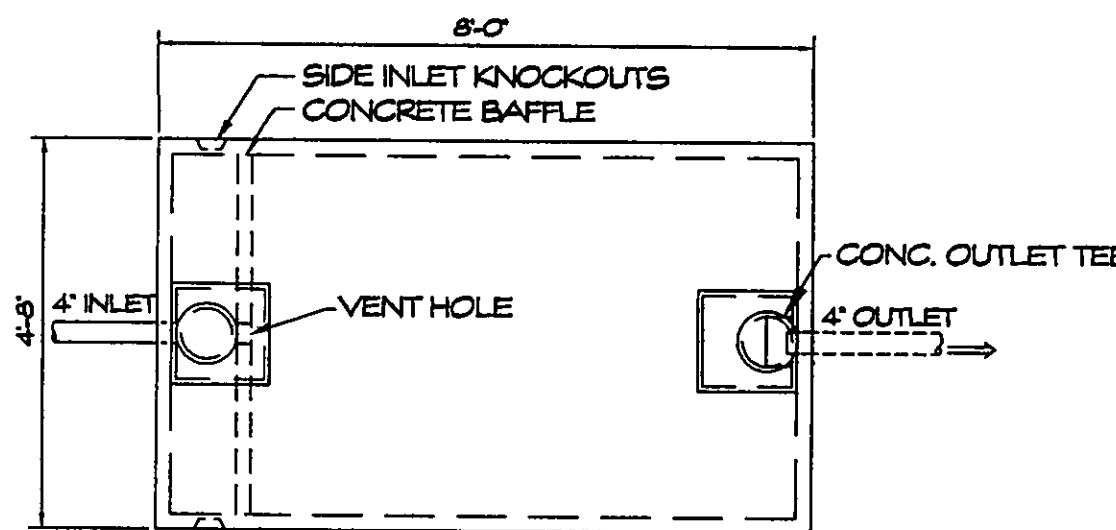
DRIP DISTRIBUTION PLAN SUBMITTAL REVIEW

Drip distribution area has been field verified and protected with marking tape.
Plans submitted to LGHD and meet design criteria.
Hydraulic calculations verified and accurate.

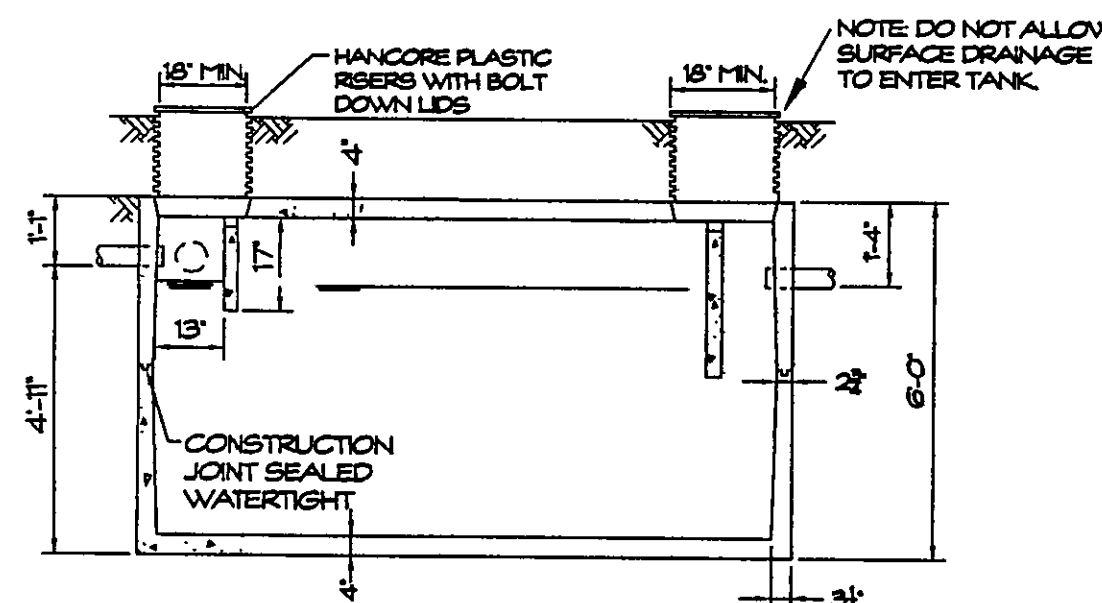
Date: 4/17/07
Name: Del
Date: 4/17/07
Name: Del
Date: 4/23/07
Name: Del

SANITARY CONSTRUCTION NOTES:

1. ALL GRAVITY SEWER LINES SHALL BE SCH. 40 PVC, 1/8" MIN. SLOPE (OR AS SHOWN ON PLANS) AND SHALL CONFORM TO ASTM D-3034 WITH JOINTS CONFORMING TO ASTM D-3212.
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7. TANKS SHALL BE FILLED WITH WATER IMMEDIATELY AFTER INSTALLATION TO PREVENT "FLOATING".
8. HOME AERATION TANK TO MEET LATEST ANS/NSF STANDARD 40 REQUIREMENTS.
9. FORCE MAIN TO BE LAID GREATER THAN 3'-0" DEEP TO PREVENT FREEZING.
10. CONTRACTOR SHALL NOT DRIVE ACROSS REPLACEMENT AREA TO CONSTRUCT DRIP ZONES.



TOP VIEW

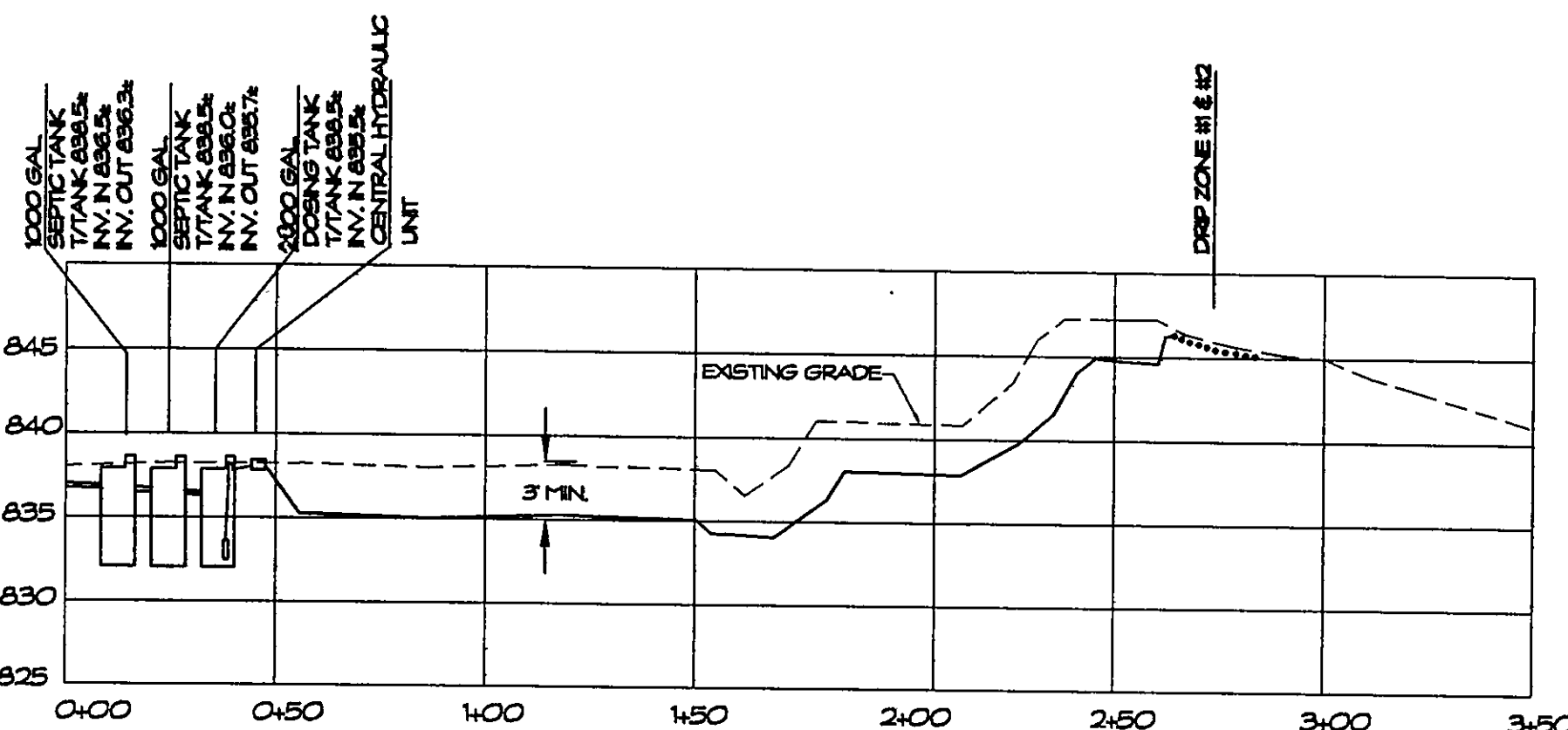


SECTION VIEW

1000 GAL. SEPTIC TANK

NOTES:

1. REINFORCED PRECAST CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH OF 5000 PSI AT 28 DAYS.
2. HANCORE RISERS SHALL BE 14" TALL RISERS CAN BE SHORTED OR EXTENDED IF NECESSARY.
3. POLYLOK SEALS SHALL BE PROVIDED FOR INLET AND OUTLET CONNECTIONS.



HYDRAULIC PROFILE

HORIZ. 1" = 40', VERT. 1" = 10'

INSTALLATION:

AREAS DESIGNATED FOR INSTALLATION AND REPLACEMENT SHALL BE UNDISTURBED AND BE PROTECTED FROM DAMAGE OR DISTURBANCE. ANY DAMAGE OR DISTURBANCE MAY RESULT IN THE INVALIDATION OF THE DESIGN PLAN. IF DISTURBANCE OR DAMAGE HAS OCCURRED, INSTALLATION SHALL NOT PROCEED AND THE REGISTERED INSTALLER SHALL CONTACT THE OWNER, THE DESIGNER, THE DRIP DISTRIBUTION RESPONSIBLE PARTY AND THE BOARD OF HEALTH. INSTALLATION OF THE SUBSURFACE DRIP TUBING OR PREPARATION OF THE SOIL INFILTRATION INTERFACE SHALL NOT PROCEED WHEN THERE IS A RISK OF SHEARING OR COMPACTION.

INSTALLER SHALL CONTACT DESIGN ENGINEER A MIN. OF 72 HOURS PRIOR TO START OF CONSTRUCTION. INSTALLER SHALL CONTACT DESIGN ENGINEER IN THE EVENT THAT ANY PORTION OF THE SYSTEM IS CHANGED DUE TO SITE CONDITIONS. DESIGN ENGINEER SHALL APPROVE OF ANY CHANGES. IN THE EVENT THAT CHANGES ARE MADE WITHOUT CONSULTATION WITH THE DESIGNER, THE INSTALLER SHALL TAKE FULL RESPONSIBILITY FOR THE SYSTEM.

START - UP:

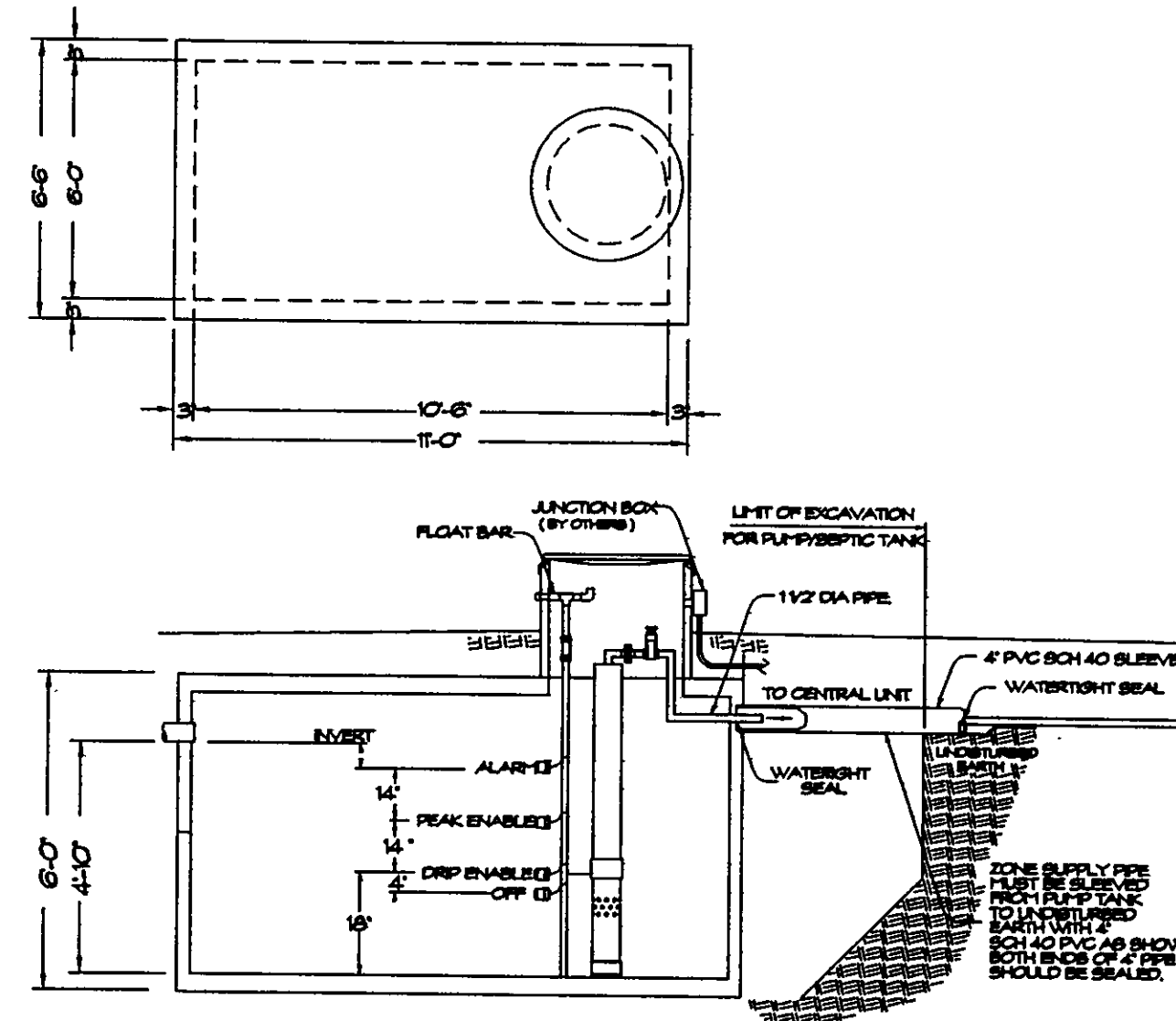
THE INSTALLER SHALL SCHEDULE A START UP WHERE THE INSTALLER, EQUIPMENT SUPPLIER, HEALTH DEPARTMENT, AND DESIGN ENGINEER ARE ALL PRESENT. THE TANKS SHALL BE FULL OF WATER SO THAT PUMP TESTS CAN BE PERFORMED. THE START UP SHALL INCLUDE PUMP CYCLING TESTS AND DRIP ZONE PRESSURE TESTS. INSTALLER TO PROVIDE AS - BUILT RECORD TO HEALTH DEPARTMENT AS REQUIRED.

MAINTENANCE PERIOD:

THE SYSTEM INSTALLER SHALL BE REQUIRED TO PROVIDE SYSTEM INSPECTION AND MAINTENANCE FOR A PERIOD OF 12 MONTHS FROM START-UP. IN THE EVENT THAT THE SYSTEM DOES NOT OPERATE PROPERLY, THE INSTALLER SHALL CONTACT THE HEALTH DEPARTMENT AND SYSTEM DESIGNER FOR A FIELD VISIT TO DETERMINE CORRECTIVE ACTIONS.

OPERATION AND MAINTENANCE:

THE OWNER OF THIS SYSTEM IS REQUIRED TO MAINTAIN AN O & M CONTRACT WITH A REGISTERED SERVICE PROVIDER CERTIFIED BY THE MANUFACTURER. AN OPERATION AND MAINTENANCE MANUAL CAN BE FOUND ON THE INTERNET AT: www.odh.ohio.gov/ASSETS/EI/1575C8EA7874D41AB37E237E52A89B/DrpKam.pdf



2000 GALLON DRIP DOSE TANK DETAIL

Stormwater Management Plan
Approved as shown and/or noted
JAMES R. GILLS, P.E.
County Drainage Engineer
By: J.S. Date: 4/24/07

NOTE: SEE ATTACHED SITE PLAN SHEET FOR COMMENTS

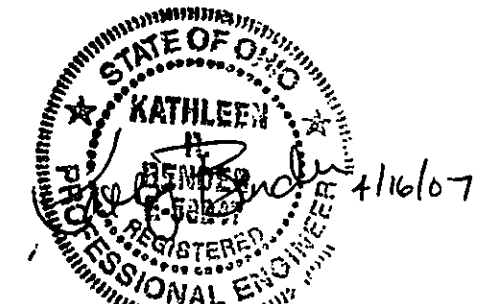
ISSUED FOR BIDDING			
DATE _____		BY _____	
ADDENDA REVISIONS			
NO.	DATE	BY	
ISSUED FOR CONSTRUCTION			
DATE _____		BY _____	
REVISIONS			
NO.	DESCRIPTION	DATE	BY
1	AS PER STREAMKEY, INC.	4/11/07	KRB
2	AS PER LGHD	4/12/07	KRB
3	AS PER STREAMKEY, INC.	4/13/07	KRB

RESIDENTIAL WASTEWATER TREATMENT PLAN FOR

Enzoco Homes
S/L 4, Giuliano Drive, Kirtland
Lake County, Ohio

KRB Engineering, Inc.
Professional Civil Engineering

330 Downing Drive
Chardon, Ohio 44024
Phone: (440) 286-7150
Email: khondel@alltel.net



DATE: APR 2007
CHECKED BY: KRB
SCALE: AS NOTED
DRAWN BY: KRB
JOB NO.: K7-16
SHEET TITLE: RESIDENTIAL WASTEWATER PLAN & DETAILS

1 OF 2