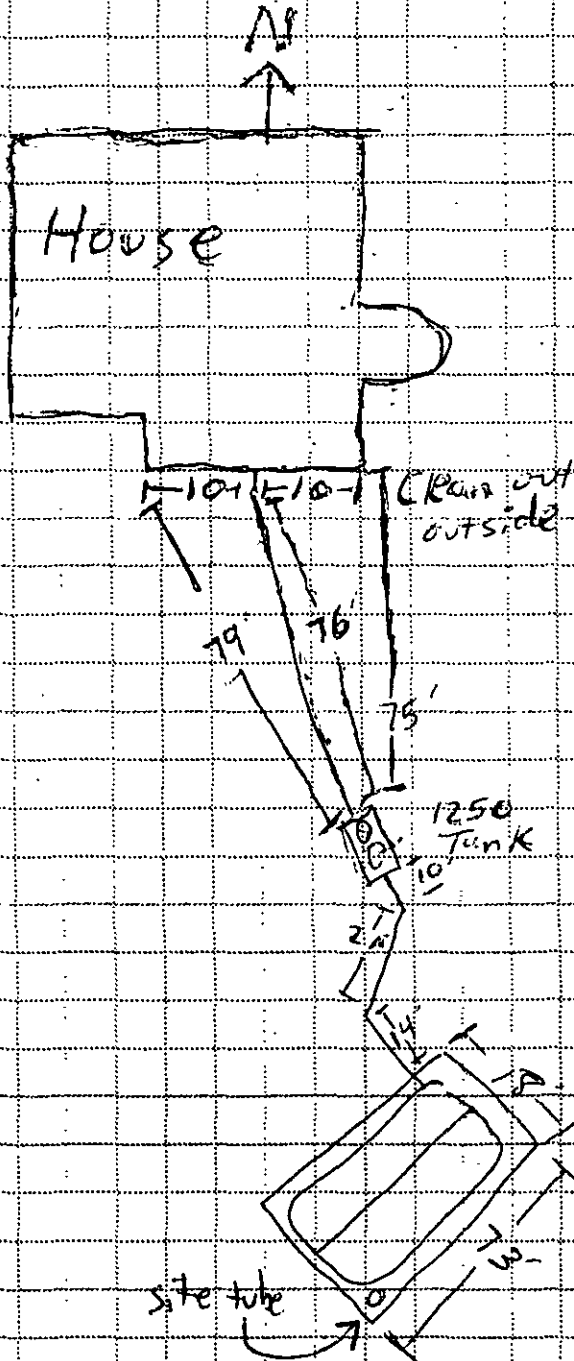


3111



Onsite System
As-Built
Drawing

Property Address 4032 Palmer Ridge Dr.
Permit # 7-95-310
Date System Completed 1/96
Installer's Name Kamp
Installer's License # _____
Installer's Address and Phone _____





Tri-County Health Department
Serving Adams, Arapahoe and Douglas Counties

Permit # 7-95-310
Date Paid: 11-16-95
Check # 2496
Rec'd By: RJ

Application Fee: \$150

M. Boyer-Culver

APPLICATION TO:
 INSTALL REPAIR EXPAND
AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM

000119661

To Be Completed By Applicant - Please Type or Print Clearly

Address/Legal Description of Property Served by Proposed System: Lot 12, Sterling Tree Farms

Douglas County

4032 Palmer Ridge Dr.

City and Zip Code: Parker, CO 80134

Preston

Property Owner Gary Schillinger

Applicant PKJ Custom Homes, Inc.

Address 7592 S. Irvanhoe Way

Address P.O. Box 952

City Englewood State CO

City Parker State CO

Zip 80112 Phone (303) 694-4783

Zip 80134 Phone (303) 841-4751

Installer Kamp Enterprises

Design Engineer n/a

License # 358 Phone (303) 841-0106

Job # _____ Phone (____) _____

Proposed Facility:

Facility Type: Single Family Residence Other _____ Lot Size 9A

Source/Type of Water Supply: On Site Well Community Other _____

If supplied by community water, give name of supplier: _____

General Information:

Number of bedrooms: 4 Basement: Full Walkout Basement Plumbed? Yes No

Are Additional Bedrooms Planned? Yes No Is this property within 400 feet of a sewer line? no

If so, will that sewage district provide service? _____ (attach letter from sewage district)

Is lot marked and are percolation holes staked? yes

I the undersigned hereby certify that all information and data provided is correct and true to the best of my knowledge. I agree that the construction of this individual sewage disposal system will comply with Tri-County Health Department's Regulation I-88 and all other applicable laws and regulations.

Applicant's Signature

Date

11/16/95

Commerce City
4301 E. 72nd Ave.
Commerce City, CO 80022
288-6816

Aurora
15400 E. 14th Pl.
Suite 309
Aurora, CO 80011
341-9370

Castle Rock
413 Wilcox St.
Castle Rock, CO 80104
688-5145

Englewood
4857 S. Broadway
Englewood, CO 80110
781-1340

Northglenn
10190 Bannock St.
Suite 100
Northglenn, CO 80221
452-9547

**For Department Use Only
Design Installation Requirements**

All applicable design/installation requirements of Regulation 1-88 shall be complied with in the installation of this system

System designed for: _____ gallons per day and/or 4 bedrooms

Soils data: (See attached Percolation Test and Soil Data Form)

Average percolation rate: 19 (minutes per inch) Depth to groundwater: 710

Depth to bedrock: 710 Ground slope: 6 % to 5

Type of disposal area proposed: Conventional

Minimum size tank: 1250 gallons Minimum disposal area (bed): 1300 square feet

Engineer design required? NO Minimum disposal area (trench): 1000 square feet

Maximum depth of disposal area: 48 (not to exceed depth of percolation test holes)

Minimum depth of installed rock: 10"

Special Permit Conditions: _____

Design engineer inspection of the completed system required? NO

Site approved by: Ed Hartzel Date: 11/21/94

Application reviewed and approved by: Ed Hartzel Date: 11/17/94

Site Visit Comments: Site is OK.

Final Inspection

Inspection Date(s): 1/30/96

Septic Tank Size (as built): 1250 gallons

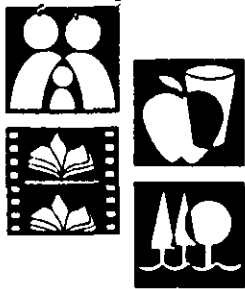
Disposal Area Type: Conventional Size (as built): 1314 square feet

Depth At Deepest Point: 36"

Comments: Inspection made as per attached OK to cover

1/30/96
Date Of Final Approval

Ed Hartzel
Environmental Health Specialist



Tri-County Health Department

Serving Adams, Arapahoe and Douglas Counties

Hugh Rohrer, M.D., MPH.
Director

ENVIRONMENTAL HEALTH DIVISION

PERMIT NO. 7-95-310

PERMIT TO CONSTRUCT AN INDIVIDUAL SEWAGE DISPOSAL SYSTEM

OWNER: GARY SCHILLINGER

LOCATION: 4032 PALMER RIDGE DRIVE

COMPOSED OF 1250 GALLON SEPTIC TANK AND ABSORPTION AREA OF
1300 SQUARE FEET

*

A PERMIT TO CONSTRUCT SHALL EXPIRE ONE YEAR FROM THE DATE OF
ISSUANCE UNLESS EXTENDED TO A FIXED DATE UPON REQUEST BY THE
APPLICANT AND APPROVAL BY TRI-COUNTY HEALTH DEPARTMENT. A
PERMIT TO REMODEL EXPIRES TWO WEEKS FROM THE DATE OF
ISSUANCE.

THIS PERMIT EXPIRES ON 11-22-96

NOTE: Construction requirements and special conditions relative
to this permit are presented on the accompanying application.
This permit shall not be valid unless a copy of the application
is attached to it.

ISSUED BY Gary Schillinger OF TRI-COUNTY HEALTH
DEPARTMENT ON 11-22-95

OWNER MUST MAKE SURE THAT THIS ENTIRE WASTE DISPOSAL SYSTEM
REMAINS OPEN FOR INSPECTION UNTIL IT HAS RECEIVED APPROVAL BY
TRI-COUNTY HEALTH DEPARTMENT. TRI-COUNTY HEALTH DEPARTMENT
CANNOT ASSUME RESPONSIBILITY IN CASE OF FAILURE OR INADEQUACY OF
A WASTE DISPOSAL SYSTEM BEYOND CONSULTING IN GOOD FAITH WITH THE
PROPERTY OWNER.

PERMIT FEE OF \$150 CHECK #2496

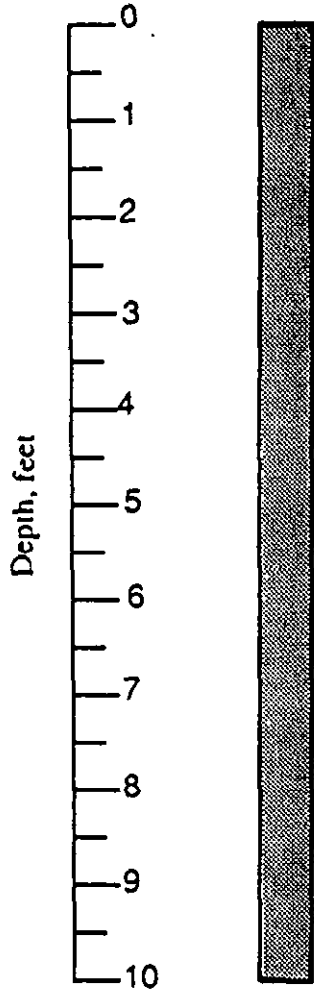
RECEIVED BY LLJ ON 11-16-95

() Owner Copy () Bldg. Dept. Copy () Installer Copy () H.D.

Profile Hole Information (Cont.)

(Soils must be classified using Unified System ASTM D2487)

Profile Hole Log



SAND, CLAYEY, MEDIUM DENSE
DRIVE SAMPLE TAKEN AT 36" ±
11/12 BLOW COUNT
8% MOISTURE CONTENT
30% PASSED THE #200 SIEVE

Certification

I certify that the above information is correct and complete to the best of my knowledge and that all tests were performed in accordance with the provisions of Tri-County Health Department Regulation I-88 by myself or under my supervision.

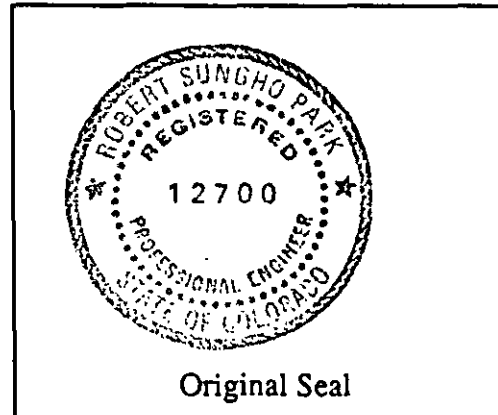
Robert A. Park
Original Signature

11/13/95
Date

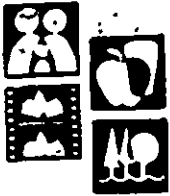
GEO-tekna, Inc.
Company Name

P.O. Box 267
CASTLE ROCK, CO 80104
Address

660-0300
Phone



Original Seal



Tri-County Health Department

Percolation Test and Soils Data Form

Property address _____

Legal description LOT 12, STERLING TREE FARMS, DOUGLAS COUNTY, CO

Property Owner:

Name _____

Address _____

Phone _____

Note:

- Percolation Test Form, Site Plan and Grain Size Distribution Curve of the Sample must be submitted with this form.
- For all Lots <5 acres the site plan must include the entire lot. Test locations must be accurately tied to lot corners or other permanent markers.

Saturation and Swelling

- Smear surfaces removed: Yes No
- Sand or gravel added: Yes No
- Date and time presoak water added:
11-1-95 9:15 a.m.
- Amount of presoak water added (gallons):
2 1/2 ±
- Date and time percolation test is started:
11-2-95 2:30 p.m.
- Did water remain in hole after the overnight swelling period:
Hole 1 Yes No
Hole 2 Yes No
Hole 3 Yes No

Percolation Rate Measurement

Percolation Rate (min./in.)	Hole 1	<u>27</u>
	Hole 2	<u>12</u>
	Hole 3	<u>17</u>
	Average	<u>19</u>

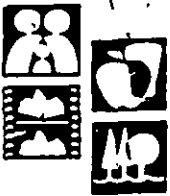
Groundwater:

- Encountered @ NE feet.
- Estimated depth to maximum seasonal water table if not encountered in profile: UNKNOWN
- Is area believed to be subject to seasonal fluctuations which could result in a seasonal water table within 8' of surface?
 Yes No

Slope determination in absorption area: 6 % to the S (direction)

Bedrock:

- Encountered @ NE feet.
- Estimated depth if not encountered in profile:
20-30'
- Type of bedrock: Sandstone
 Claystone Siltstone
 Other
- Is bedrock fractured or weathered?
 Yes No
- Is bedrock believed to be permeable? (Perc rate <60 min./in.)
 Yes No



95-450

TRI-COUNTY HEALTH DEPARTMENT

Percolation Test Result Form

* Water added

Hole No.	Hole Depth (in.)	Length of Interval (min.)	Water Depth @ Start of Interval (in.)	Water Depth @ End of Interval (in.)	Drop In Water Level (in.)	Percolation Rate @ Final Interval (min./in.)		
1	36	30	8.0	4.625	3.375			
			*8.0	4.0	4.0			
			4.0	1.25	2.75			
			*8.0	6.0	2.0			
			6.0	4.25	1.75			
			4.25	2.75	1.5			
			2.75	1.5	1.25			
			∇	*8.0	6.875	1.125	27	
2	48	30	8.0	DRY	8.0+			
			*8.0	2.5	5.5			
			*8.0	4.25	3.75			
			4.25	.85	3.375			
			*8.0	4.75	3.25			
			4.75	1.875	2.875			
			*8.0	5.375	2.625			
			∇	5.375	2.875	2.5	12	

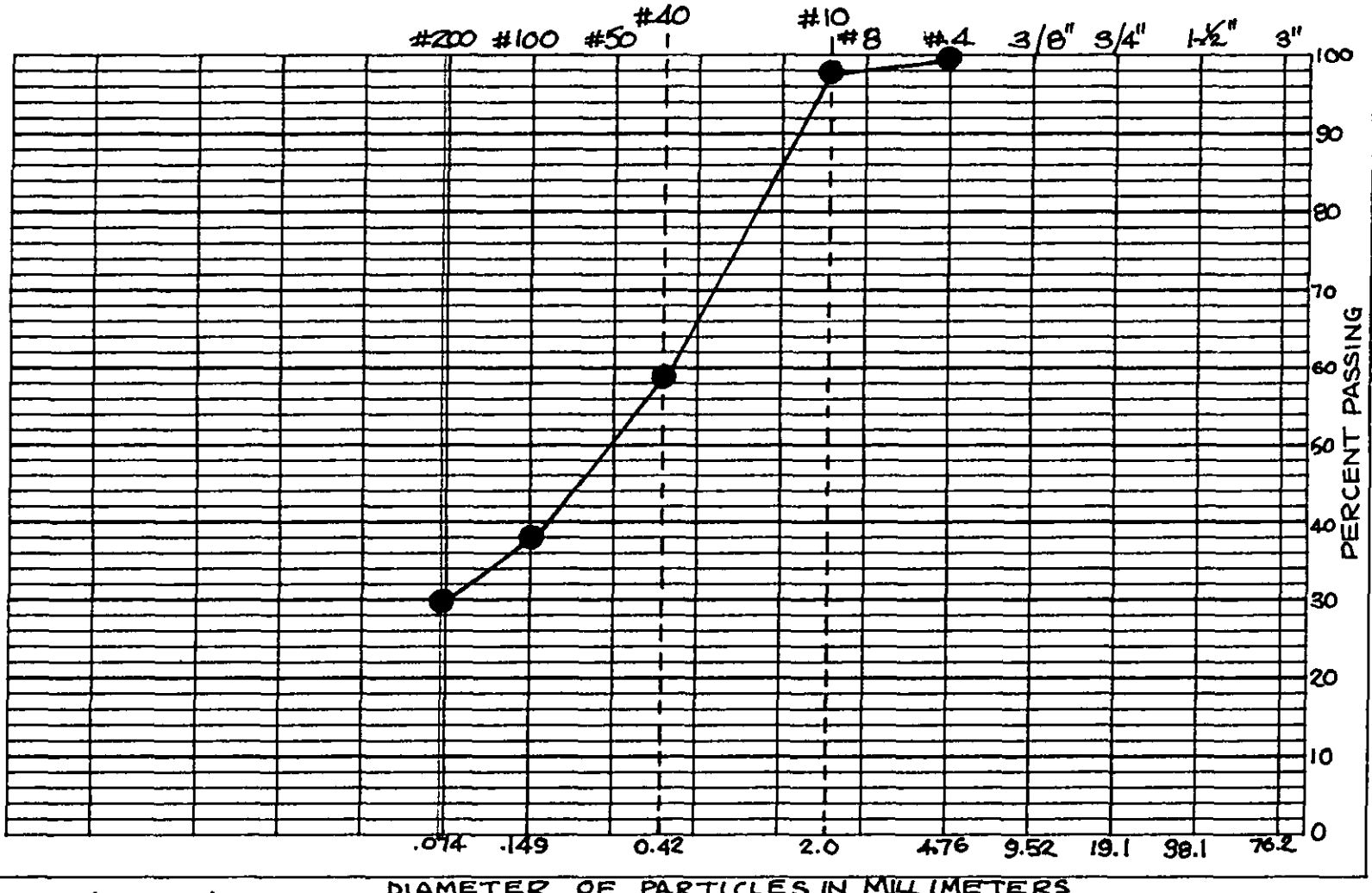
*Field Notes shall be recorded on this form or in this format; typed copies of field records may be submitted on this form.

*A four hour test must be conducted unless (a) water remains in the hole after the presoak in which case one 30 min. interval is sufficient, (b) the first 6" of water seeps away in <30 minutes in which case a one-hour test of 6 - 10 minute time intervals may be used, (c) the test is being conducted in sand in which case a one-hour test of 6 - 10 minute time intervals may be used, (d) three successive water level drops do not vary by more than 1/16 inch in which case a two hour test may be conducted.

PARTICLE SIZE DISTRIBUTION ANALYSIS

DATE SAMPLED 11-1-95 HOLE NO. PROFILE SAMPLE DEPTH 36" REPORT NO. 95-450
 SAMPLE LOCATION LOT 12, STERLING TREE FARMS, DOUGLAS COUNTY, COLORADO

SIEVE ANALYSIS

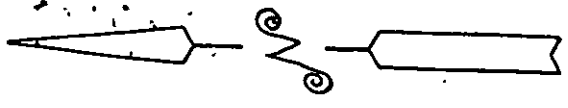
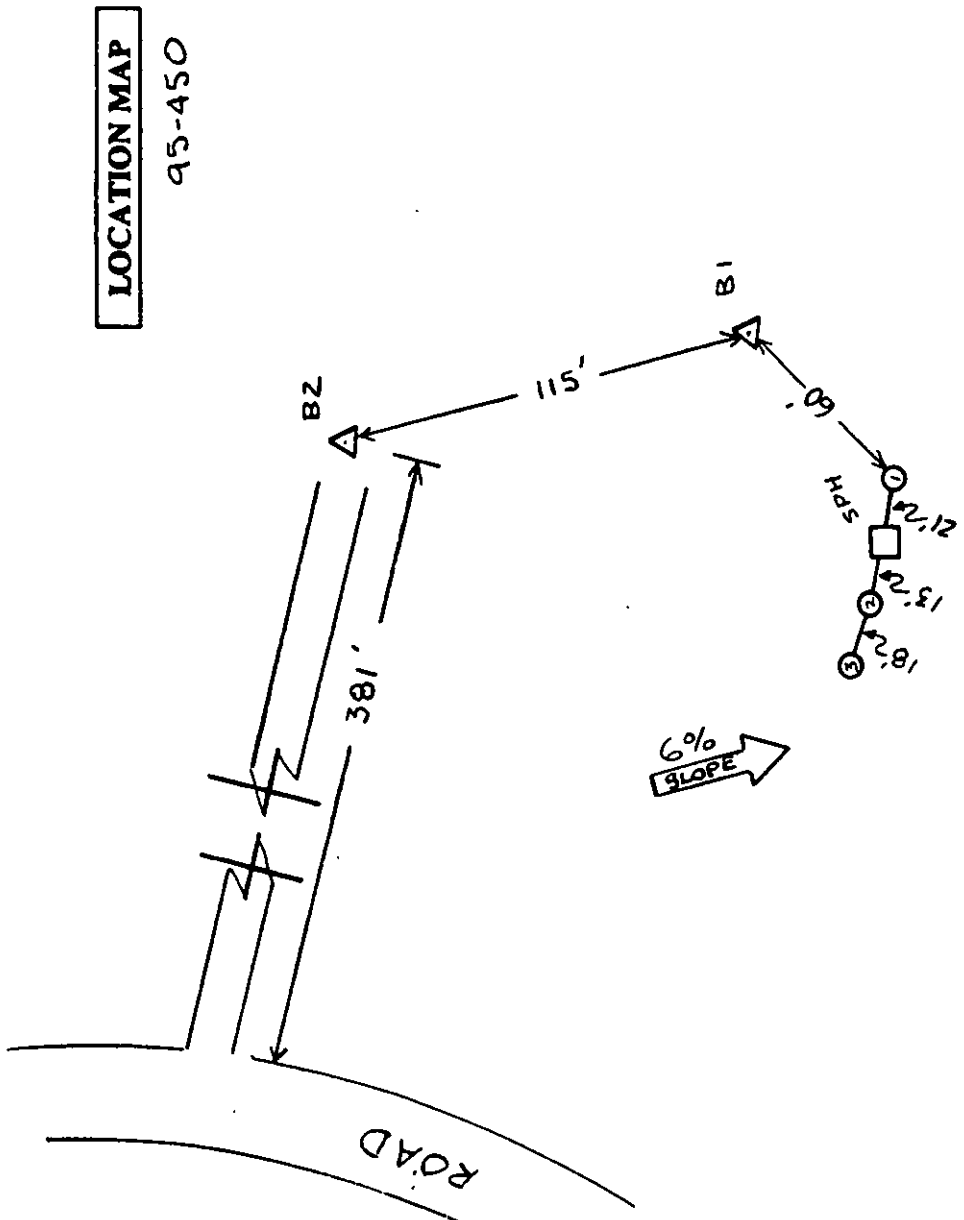


SIEVE No.	PERCENT PASSING
3.0	
1.5	
3/4	
3/8	
#4	100
#8	
#10	98
#40	59
#50	
#100	38
#200	30

SOIL CLASSIFICATION

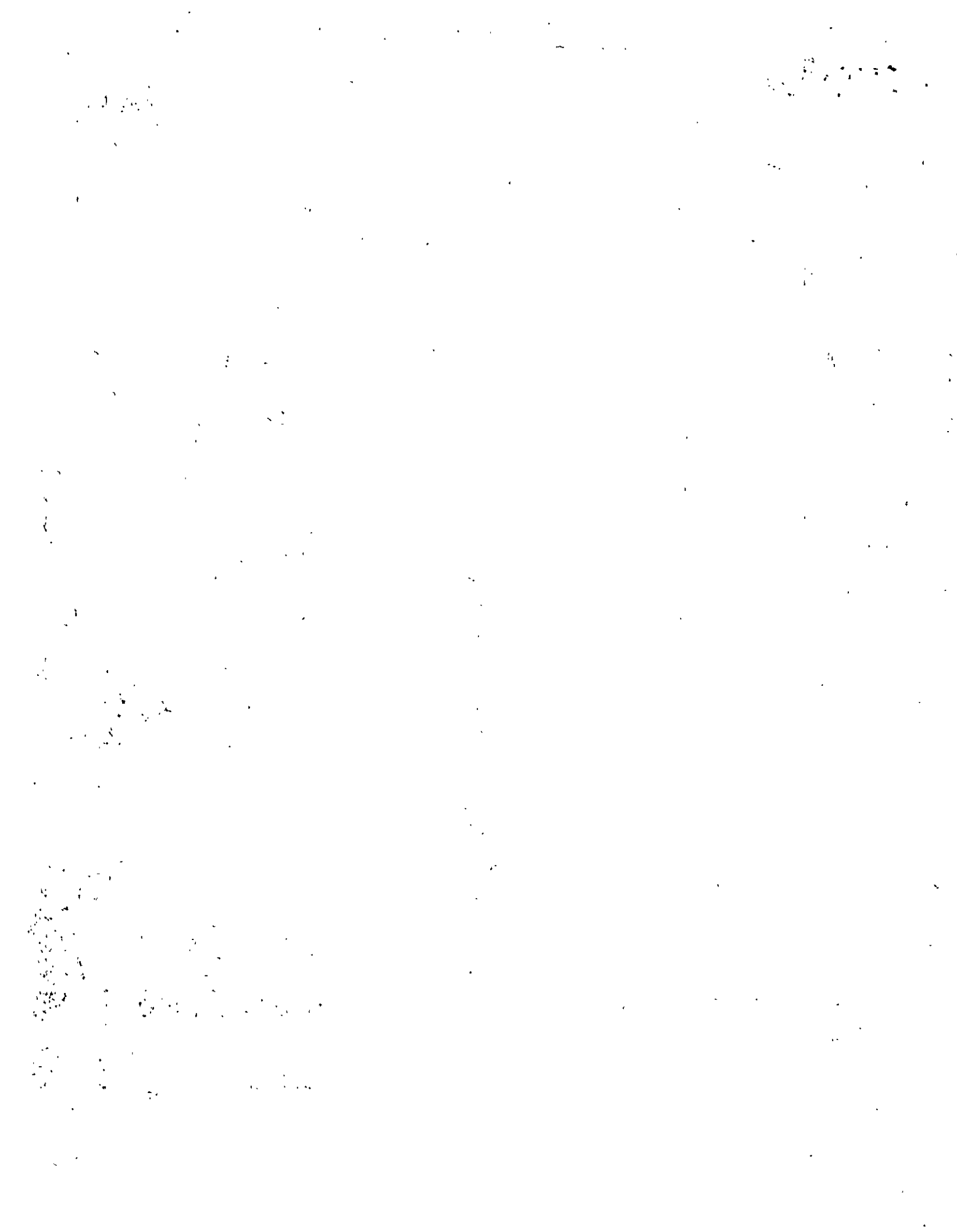
SAND, CLAYEY,
MEDIUM DENSE

CLAY (PLASTIC) TO SILT (NON PLASTIC)		SAND			GRAVEL	
		FINE	MEDIUM	COARSE	FINE	COARSE



- △ FOUNDATION SOIL TEST BORINGS
- SOIL PROFILE HOLE
- PERCOLATION TEST HOLES

Figure 1

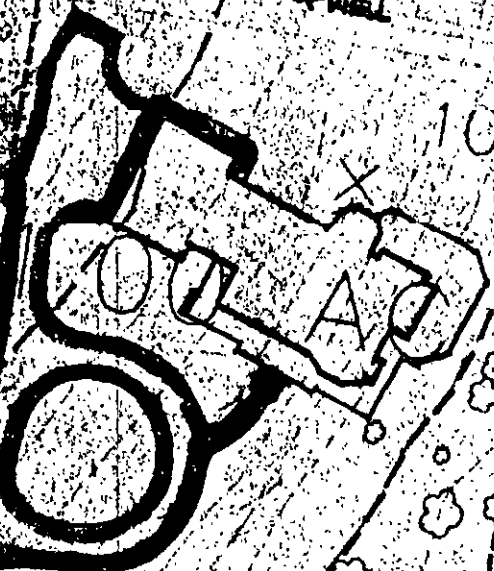


NOTE:
RE: PARTIAL SITE PLAN
FOR BUILDING & GRADING
IN THIS AREA

LOT 12
9.03 AC

WELL

1030



TANK

LEACH FIELD

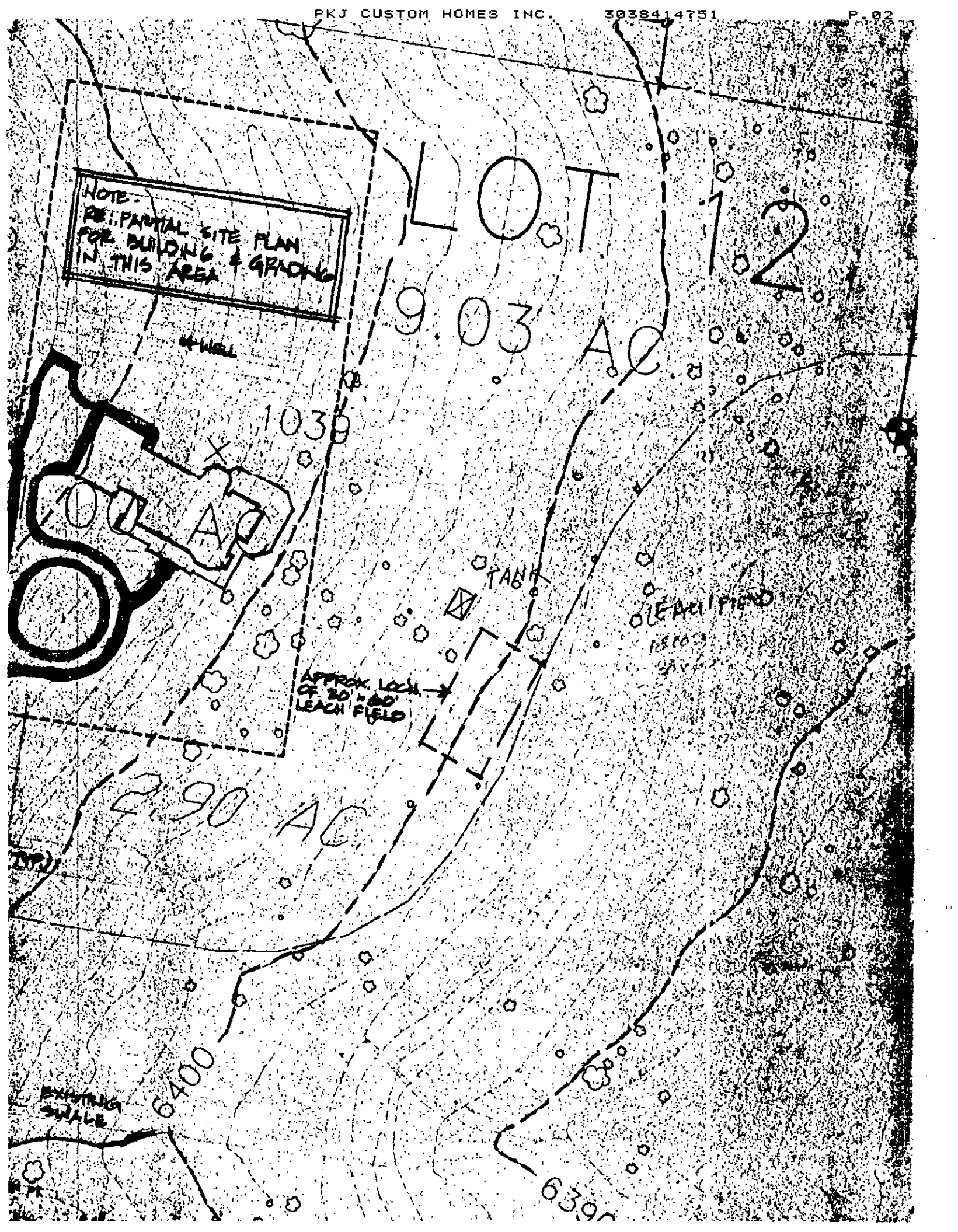
APPROX. LOCN
OF 20' x 60'
LEACH FIELD

2.90 AC

0400

EXISTING
SWALE

0390



PKJ

CUSTOM HOMES
SINCE • 1978
Committed to Our Client's Vision

DATE: 11/17/95

TO: TRICOUNTY HEALTH

FROM: PEGGION JEWETT

NUMBER OF PAGES: 2
(including cover sheet)

COMMENTS:

RE: ISDS PERMIT FOR LOT 12, STERLING TREE
FIRM.



Note:

This ISDS file contains oversized document(s).

Please refer to hard copy ISDS file to view these document(s).