

EL PASO COUNTY HEALTH DEPARTMENT
INDIVIDUAL SEWAGE DISPOSAL INSPECTION FORM

Permit # 4633

Date 8/17/87

#7426403017

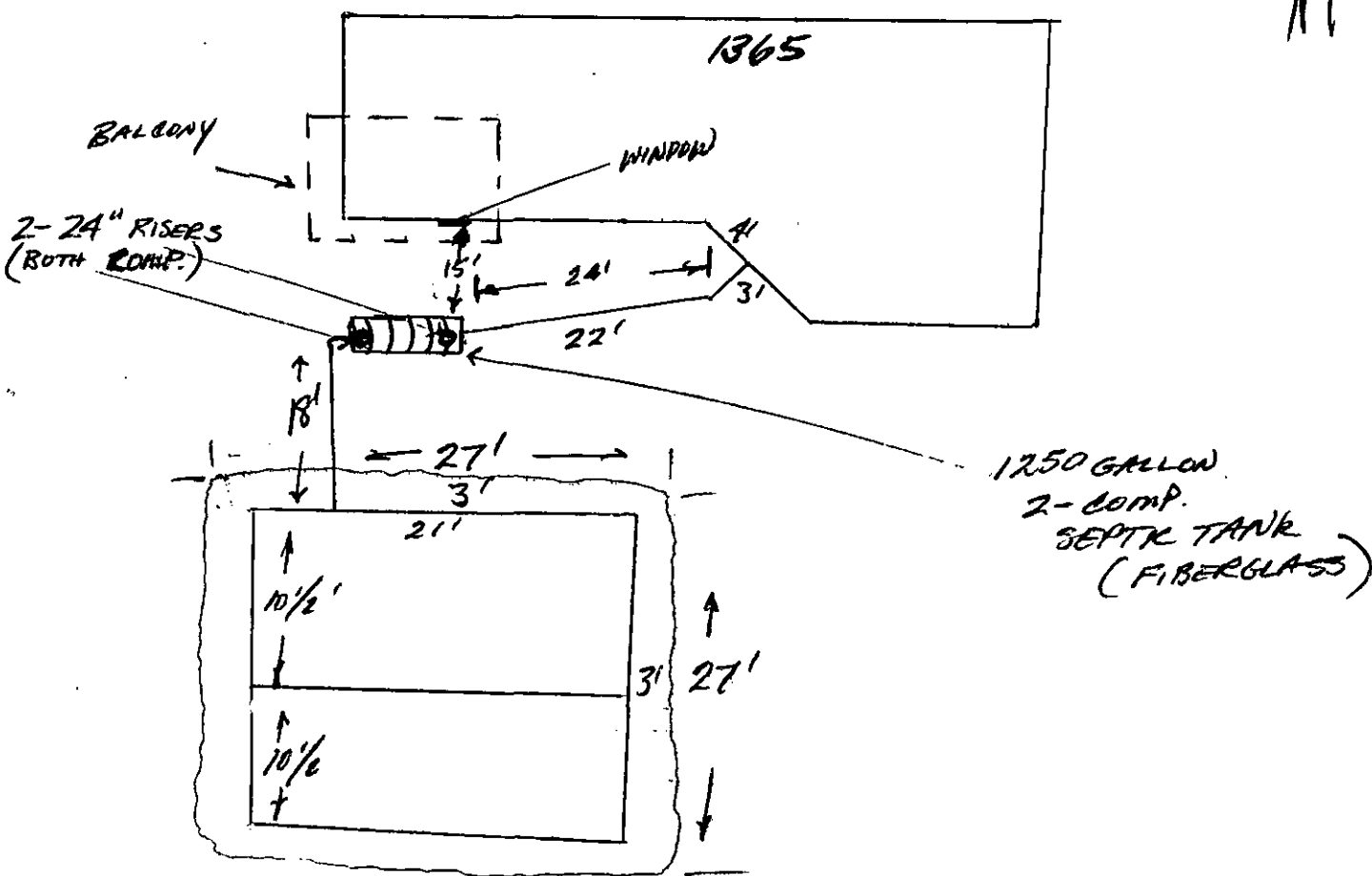
APPROVED YES NO ENVIRONMENTALIST MIKE McCAETHY P
Address 1365 HERMOSA WAY Owner LANE
Legal Description LOT 7, CRESTA VISTA #3
Residence Commercial # of Bedrooms _____ System Installer FLETCHER

SEPTIC TANK
Commercial Noncommercial Measurements: L _____ W _____ WD _____
Construction Material FIBERGLASS Liq. Cap. 1250

DISPOSAL FIELD
Exc. Depth 3' Width 27' Total Length 27' Sq. Ft. 729
Rock RIVER Depth 12" Under 6" Over 2"

Rockless System: Diameter of Pipe _____
Seepage Pits: Number of rings _____ Lining Material _____ Sq. Ft. _____
Working Depth _____ Width _____
Engineer Design Yes _____ Type _____ Engineer Approval Letter Yes _____
Well 50 feet from Tank _____ 100 feet from leach field _____
Well Installed at Time of Septic System Inspection Yes _____ No _____ Public Water

HERMOSA WAY



Acres: 29,000 sf. **EL PASO COUNTY • COUNTY HEALTH DEPARTMENT** Permit 4000
 501 North Foote Avenue • Colorado Springs, Colorado • 578-3125
 Water Supply Well **PERMIT** Receipt No. 1335

TO CONSTRUCT, ALTER, REPAIR or MODIFY ANY INDIVIDUAL SEWAGE DISPOSAL SYSTEM

Issued To Toni L. / J.M. Lane Date 6/25/87
 Address of Property 1365 Hermosa Way, Lot 7, Cresta Vista # 3, Phone 475-1112
C.S. (Permit valid at this address only)
 Sewage-Disposal System work to be performed by Fletcher Phone _____

This Permit is issued in accordance with 25-10-106 Colorado Revised Statutes 1973, as amended. PERMIT EXPIRES upon completion of sewage-disposal system or at the end of six (6) months from date of issue—whichever occurs first—(unless work is in progress). This permit is revokable if all stated requirements are not met.

—THIS PERMIT DOES NOT DENOTE APPROVAL OF ZONING AND ACREAGE REQUIREMENTS—

\$150.00
 PERMIT FEE (NOT REFUNDABLE)
6/25/88
 DATE OF EXPIRATION

[Signature]
 DIRECTOR, COUNTY HEALTH DEPARTMENT
 ENVIRONMENTALIST

NOTE: LEAVE ENTIRE SEWAGE-DISPOSAL SYSTEM UNCOVERED FOR FINAL INSPECTION. 48 HOUR ADVANCE NOTICE REQUIRED.

SEPTIC TANK:	TRENCH SYSTEM:	BED SYSTEM:	SEEPAGE PIT SYSTEM:
<u>1250</u> gallons	total square feet <u>650</u> ____ ft. of trench _____ inches wide ____ ft. of trench _____ inches wide	total square feet _____	total square feet _____ ____ rings or _____ diam.x _____ w/d

NOTES: All minimum-distances must be met and suitable soils present in system area.

The Health Office shall assume no responsibility in case of failure or inadequacy of a sewage-disposal system, beyond consulting in good faith with the property owner or representative. Free access to the property shall be authorized at reasonable times for the purpose of making such inspections as are necessary to determine compliance with requirements of this law.

El Paso County Health Department
 501 North Foote Avenue
 Colorado Springs, CO 80909-4598
 (303) 578-3125

APPLICATION FOR A PERMIT TO CONSTRUCT, REMODEL, OR INSTALL A SEWAGE DISPOSAL SYSTEM

NAME OF OWNER TONI L. / J.M. LANE HOME PHONE 473-2203 WORK PHONE 475-1112

ADDRESS OF PROPERTY 1365 HERMOSA WAY DATE _____

LEGAL DESCRIPTION OF PROPERTY LOT 7, Cresta Vista #3, Colorado Springs, Co.

TAX SCHEDULE NUMBER 74264.03-07 SYSTEM CONTRACTOR FLETCHER PHONE _____

OWNER'S ADDRESS IF DIFFERENT 1738 S. 6th St

TYPE OF HOUSE CONSTRUCTION frame SOURCE AND TYPE OF WATER SUPPLY City

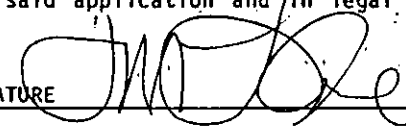
SIZE OF LOT 29,600 OF MAXIMUM POTENTIAL NUMBER OF BEDROOMS three BASEMENT (yes or no) No

PERCOLATION TEST RESULTS ATTACHED (yes or no) No

A plot plan and accompanying information are essential; it may be drawn on the back of this application or be attached. Please include by measured distance the location of wells including neighbors' wells, springs, water supply lines, cisterns, buildings, proposed structures, property lines, property dimensions, subsoil drains, lakes, ponds, water courses, streams, and dry gulches. Please show the location of the proposed septic system by directions and distances from actual and/or proposed dwellings, structures, or fixed reference objects. Give complete directions to the property from major highways. (ANSWER QUESTIONS ON BACK OF FORM).

Applicant acknowledges that the completeness of the application is conditional upon such further mandatory and additional tests and reports as may be required by the department to be made and furnished by the applicant for purposes of evaluation of the application; and issuance of the permit is subject to such terms and conditions as deemed necessary to ensure compliance with rules and regulations adopted under Article 10, Title 25, C.R.S. 1973 as amended. The undersigned hereby certifies that all statements made, information and reports submitted by the applicant are or will be represented to be true and correct to the best of my knowledge and belief and are designed to be relied on by the El Paso County Health Dept. in evaluating the same for purposes of issuing the permit applied for herein. I further understand that any falsification or misrepresentation may result in the denial of the application or revocation of any permit granted based upon said application and in legal action for perjury as provided by law:

*Sent to Waste Water
 Dir. 4/30/87 - ae.*

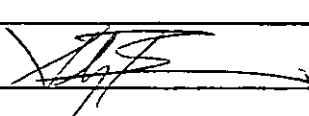
SIGNATURE 

HEALTH DEPARTMENT USE ONLY

PERMIT NUMBER _____ RECEIPT NUMBER _____ DATE TO LAND USE DEPARTMENT _____

ABSORPTION AREA 610² TANK CAPACITY 1250 DATE OF SITE INSPECTION 5/1/87

REMARKS: All minimum distances must be met & suitable soils present in system area. System must be viewed by owner before final approval given.

APPLICATION IS APPROVED DENIED DATE 5/1/87 ENVIRONMENTALIST 



Geotechnical Consultants, Inc.

E

#7426403017

08/17/1987

1365 HERMOSA WAY ~~May 11, 1987~~

Mike Lane
1738 South 8th
Colorado Springs, CO 80906

Re: Percolation Testing
1347 Hermosa Way

Dear Mr. Lane:

In accordance with your request, GCI personnel have performed percolation testing for the above referenced site. Our results and recommendations are included in this letter.

Based upon our profile and percolation hole drilling, and on a soils report by Thomas Summerlee and Associates (Summerlee Project 2024), soil conditions on this site consist of gravelly silty sand, extending to at least 20 feet depth. At the ground surface 0 to 3 feet of sandy clay was encountered. No ground-water was found in any of the borings.

We would anticipate that the underlying sand and gravel would have acceptable absorption capacity, and that the surficial clays will be less acceptable. Our percolation tests substantiate this analysis. Tests 1 and 2 both encountered sandy materials. Percolation rates of 24 and 17.8 minutes per inch were observed. Test 3 encountered the clays, and a rate of more than 60 minutes per inch was observed. We recommend extending the leaching system through the surficial clays if encountered, and placing the system in the underlying sandy soils. The system should then be sized for an average percolation rate of 21 minutes per inch. A GCI representative should inspect the excavation to verify that acceptable materials have been exposed.

We hope this letter has provided you with the information you require. Should questions arise or additional information be needed, please feel free to contact us at your convenience.

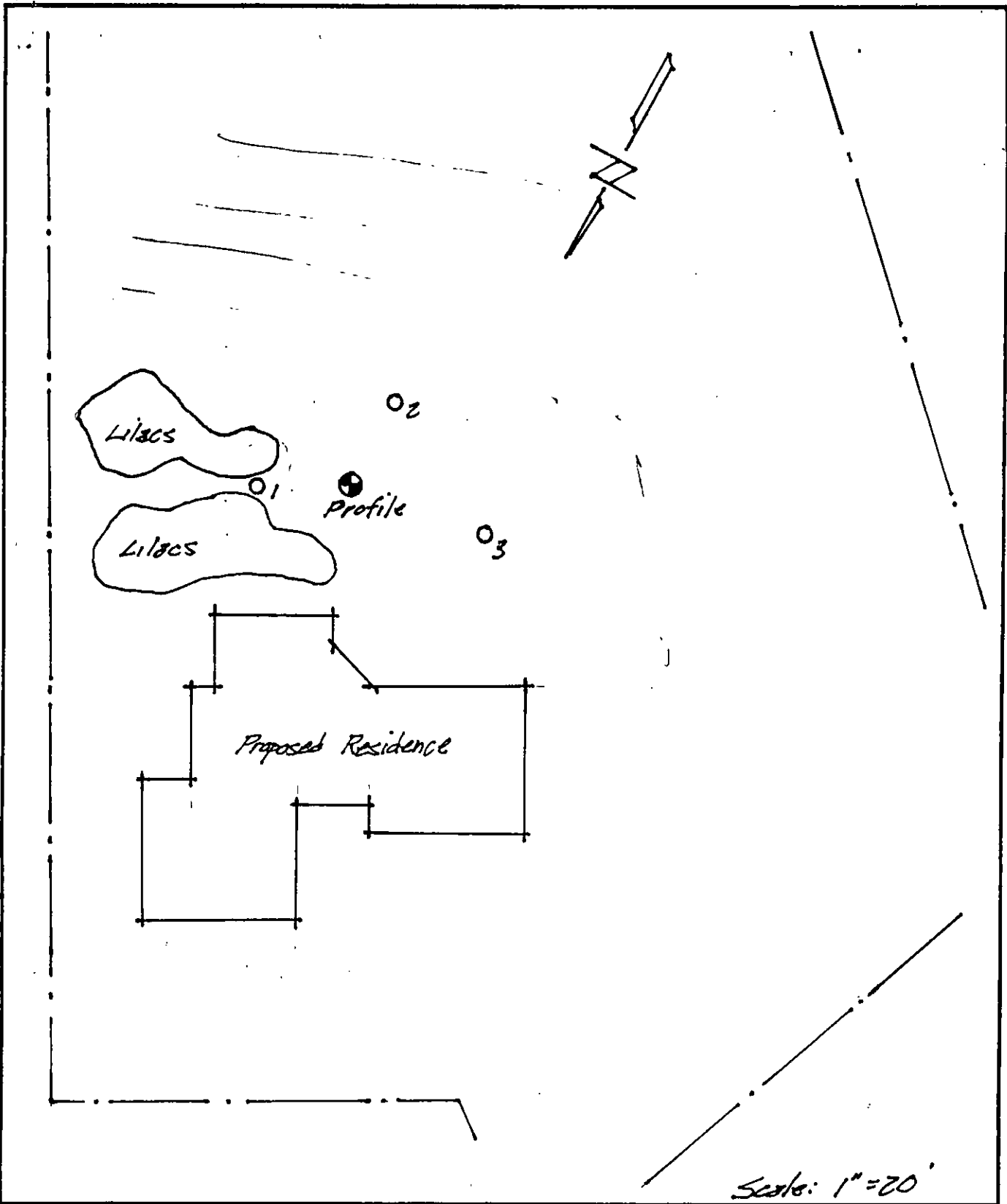
Respectfully submitted,

GEOTECHNICAL CONSULTANTS, INC.

By: Robert L. Bass, P.E.

RLB/vmw
GCI Job No. 2598





Test Hole Location Sketch
 1547 Hermosa Way

FIGURE 1
 JOB NO. 2598

Geotechnical Consultants Incorporated

SOIL PERCOLATION TEST

CLIENT Mike Lane

TEST No. 1

LOCATION 1347 Hermosa Way

REPORT DATE 5/11/87

AUTO SIPHON SET 5/7/87

TEST DATE 5/8/87

Reading Number	Time Start	Depth Start (In.)	Time Finish	Depth Finish	ΔTime (Minutes)	ΔDepth (Inches)	Percolation Rate (Minutes per Inch)
1	10:19	7.1875	10:49	4.125	30	3.06	
2	10:51	5.875	11:21	4.75	30	1.125	
3	11:22	6.00	11:52	4.75	30	1.250	24 min/in.
4							
5							
6							
7							
8							

STABILIZED PERCOLATION RATE 24 MINUTES PER INCH

VISUAL SOIL LOG

Profile Hole:

0-3' Clay, Sandy, Gravelly, Red-Brown, Scattered Cobbles

3'-9' Sand, Silty, Gravelly, Scattered Cobbles and Boulders; Refusal on Boulder, 9'

Test 1

0-35" Red-Brown Sand, Silty, Gravelly, Slightly Clayey

OBSERVER GPB

Job No. 2598

SOIL PERCOLATION TEST

CLIENT Mike Lane

TEST No. 2

LOCATION 1347 Hermosa Way

REPORT DATE 5/11/87

AUTO SIPHON SET 5/7/87

TEST DATE 5/8/87

Reading Number	Time Start	Depth Start (In.)	Time Finish	Depth Finish	ΔTime (Minutes)	ΔDepth (Inches)	Percolation Rate (Minutes per Inch)
1	10:09	5.5	10:39	1.125	30	4.375	
2	10:43	5.875	11:13	4.00	30	1.875	
3	11:14	5.125	11:44	3.8125	30	1.3125	
4	11:44	5.75	12:14	4.3125	30	1.685	17.8
5							
6							
7							
8							

STABILIZED PERCOLATION RATE 17.8 MINUTES PER INCH

VISUAL SOIL LOG

Test 2:
0-34" Red-Brown Sand, Silty, Slightly Clayey

OBSERVER GPB

Job No. 2598

SOIL PERCOLATION TEST

CLIENT Mike Lane

TEST No. 3

LOCATION 1347 Hermosa Way

REPORT DATE 5/11/87

AUTO SIPHON SET 5/7/87

TEST DATE 5/8/87

Reading Number	Time Start	Depth Start (In.)	Time Finish	Depth Finish	ΔTime (Minutes)	ΔDepth (Inches)	Percolation Rate (Minutes per Inch)
1	9:58	6.375	10:28	6.1875	30	0.1875	
2	10:28	6.1875	10:58	6.125	30	0.0625	
3	11:00	8.00	11:30	8.00	30	-	< 60
4							
5							
6							
7							
8							

STABILIZED PERCOLATION RATE < 60 MINUTES PER INCH

VISUAL SOIL LOG

Test 3:

0-35" Red-Brown Clay, Sandy, Moist

OBSERVER GPB

Job No. 2598



June 15, 1987

Mr. Mike McCarthy
Environmentalist
El Paso County Health Department
501 N. Foote Avenue
Colorado Springs, CO 80908

SUBJECT: Individual Sewage Disposal System (ISDS)--1365 Hermosa Way


Dear Mr. McCarthy:

The Wastewater Division has further reviewed the Application for Permit to construct an ISDS at 1365 Hermosa Way. An existing wastewater mainline exists approximately 240 linear feet northerly of the subject property in the alley between Hermosa Way and La Paloma Way.

Although the site is within 400 feet of an existing wastewater mainline, but because of topographical constraints, the Wastewater Division has no objections to issuing a revokable permit. The site must meet all of the El Paso County requirements for installation of an ISDS.

Should there be any further questions, please so advise.

Sincerely,



Dennis T. Cafaro
Wastewater Division Manager

SW

att.

cc: Gary Rombeck

design group architects

June 2, 1987

Mr. Mike McCarthy
Environmentalist
El Paso County Health Department
501 North Foote Avenue
Colorado Springs, CO 80908

Re: Wastewater Division's Review of ISDS at 1365 Hermosa Way

Mr. McCarthy:

I am requesting that the decision to not allow an Individual Sewage Disposal System--ISDS--be reviewed.

The alternatives to installing an ISDS are expensive and difficult to construct. Following is an analysis of each of the alternatives:

1. Install an ejector pump with a pipeline in Hermosa Place connecting to the main in the alley between Hermosa Way and LaPaloma Way - See Drawing No. 1.

Cost - Ejector pump/manhole \$ 1,200.

Street:

Cut asphalt, excavate, install 4" pipe
230 LF @ \$5.50/LF 1,265.

Backfill, compaction, 230 LF @ \$2/LF 460.

Repair asphalt, 230 LF x 4' x \$2 1,840.

Alley:

Excavate, install 4" pipe, 80LF @ \$4.50/ 360.

Backfill, compaction, 80 LF @ \$2/LF 160.

Repair curb 150.

Total cost - Alternative No. 1 = \$ 5,435.

2. Install a main in Cheyenne Boulevard connecting to the existing 8" main at Cresta and Cheyenne Boulevard. See Drawing No. 2.

Cost - Engineering 2,000.

Street excavation and pipe, 600 LF @ \$9/=5,400.

2 manholes @ 750 ea. 1,500.

4 service stubs @ 250 ea. 1,000.

Asphalt repair, 600' x 10' x \$2 12,000.

Total cost - Alternative No. 2 = \$ 21,900.

design group architects

Mr. Mike McCarthy
El Paso County Health Department
Page 2

2. (continued) The possibility of retrieving any of the cost is unlikely as the adjacent owners have no desire to connect. When the Myron Stratton property is developed, it is my understanding that they will construct an 8" main to which at some point in time all of the existing ISDS's can connect.
3. Install a wastewater line to the existing lateral connecting into the main in Cresta. See Drawing No. 3. Access is very difficult due to existing improvements and drainage way and is not feasible.
4. Construct an ISDS.

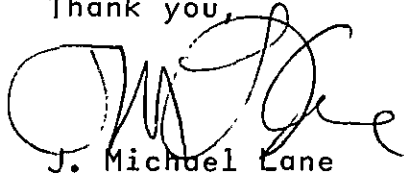
<u>Cost</u> - Holding tank	\$ 600.
Field - 610 SF @ \$2.35/SF	1,434.
Backfill and grading	400.
Total cost - Alternative No. 4 =	<u>\$ 2,434.</u>

I am requesting that you approve Alternative No. 4 (construct an ISDS) for the following reasons:

- The lot is larger than any of the lots in the subdivision and can easily accommodate an ISDS.
- The lot is the last one in an area served primarily by ISDS's.
- The cost of connecting to an existing line is excessive for any of the first three alternatives and would cause an undue economic hardship on me.
- The cost of maintaining and operating an ejector system is an ongoing cost.

If you have any questions, please feel free to contact me at any time.

Thank you,




J. Michael Lane

JML:tl
Enclosures



May 14, 1987


Mr. Mike McCarthy
Environmental
El Paso County Health Department
501 N. Foote Avenue
Colorado Springs, CO 80908

SUBJECT: Individual Sewage Disposal System (ISDS)---1365 Hermosa Way

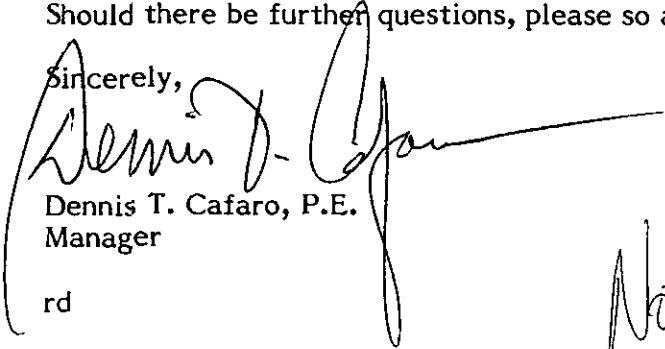
Dear Mr. McCarthy:

The Wastewater Division has reviewed the Application for Permit to construct an ISDS at 1365 Hermosa Way. An existing wastewater mainline exists approximately 240 linear feet northerly of the subject property in the alley between Hermosa Way and LaPaloma Way.

As the property is within 400 feet of an existing wastewater mainline, an ISDS will not be allowed. Therefore, a duplex wastewater ejector pump will be required to be installed with a pressure pipeline being placed in Hermosa Place to the westerly end of the alley between Hermosa Way and LaPaloma Way. This connection is to be placed in the mainline downstream of the manhole at the aforementioned location.

Further details as to the extension of this pipeline are available at this Division. Should there be further questions, please so advise.

Sincerely,


Dennis T. Cafaro, P.E.
Manager

rd

attachment

cc: Gary Rombeck

Notified Mr Lane 5/20/87
