

EL PASO COUNTY DEPARTMENT OF HEALTH AND ENVIRONMENT
INDIVIDUAL SEWAGE DISPOSAL SYSTEM INSPECTION FORM

Permit # 4588
Date 12-19-02

P

6127002006

APPROVED: Yes X No

Environmental Health Specialist:

Sid Darden

Address 3965 Serenity Pl.

Owner Jim House

Legal Description Lot 19, High Forest Ranch #1

Residence X # Bedrooms 4 Commercial I System Installer Havens Excavating

SEPTIC TANK:

Commercial X Noncommercial Construction Material Concrete Capacity Gallon 1500

DISPOSAL FIELD:

Trench: Depth (Range) Width Total Length Sq. Ft.

Bed: Depth (Range) Length Width Sq. Ft.

Depth of Rock Under PVC Type of cover on Rock

DRYWELLS: # of Pits Rings (Pit 1) Rings (Pit 2) Working Depth #1 #2

Size (L x W) #1 #2 Total Sq. Ft.

ROCKLESS SYSTEMS:

Standard Chamber: Type Infiltrators #Chambers 57 Sq. Ft./Chamber 15.5 Bed X Trench

High Profile Units: Type Chamber #Chambers Sq. Ft./Chamber Bed Trench

Reduction Allowed 35 % Sq. Ft. Required 1351 Depth (Range) 24-48"

Sq. Ft. Installed Equivalent Sq. Ft. Installed with Reduction 1359

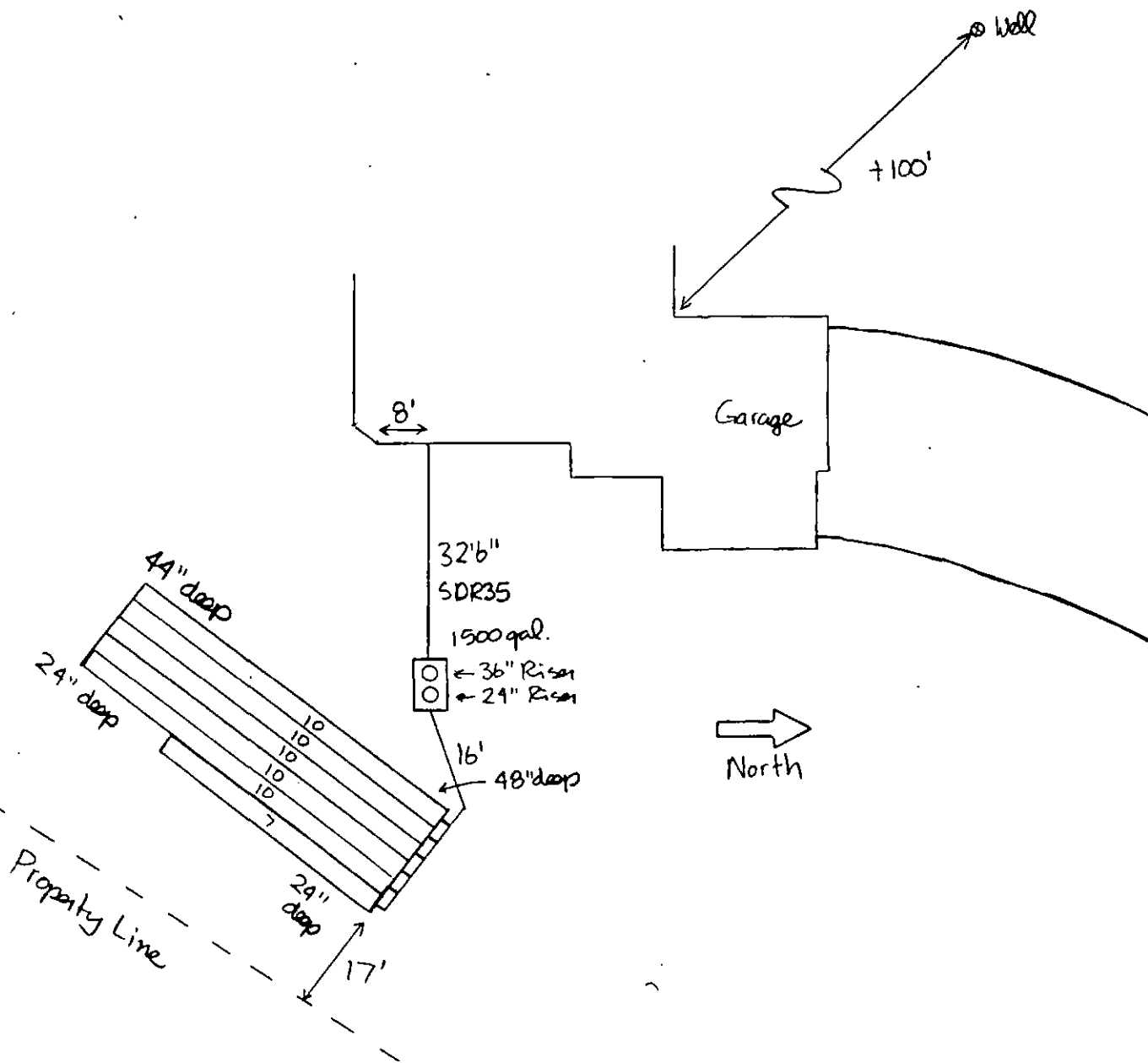
Engineer Design: Y (N) Engineering Firm

Approval letter provided? Y N

Well installed at time of septic system inspection? (Y) N Public Water?

*Approval will be revoked if in the future the well is found to be within 50 feet of the septic tank and/or 100 feet of the disposal field.

NOTES: The engineer approved the depth to exceed 36" below native ground surface.



INDIVIDUAL SEWAGE DISPOSAL SYSTEM PERMIT

OWNER NAME: JIM HOUSE
ADDRESS: 3965 SERENITY PL
CITY, STATE, ZIP: COLORADO SPRINGS CO 80908
INSTALLED BY:

PERMIT NUMBER: ON0004588
DATE PERMITTED: 11/5/02
PHONE NUMBER: 7194870172

This permit is issued in accordance with 25-10-107 Colorado Revised Statutes. PERMIT EXPIRES upon completion-installation of sewage-disposal system or at the end of twelve (12) months from date of issue- whichever occurs first-(unless work is in progress). If both a building and an ISDS permit are issued for the same property and construction has not commenced prior to the expiration date of the building permit, the ISDS permit shall expire at the same time as the building permit. This permit is revokable if all stated requirements are not met.
Sewage disposal system to be installed by an El Paso County Licensed System Contractor or the property owner.

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

Rosemary C. Baker-Martin

DIRECTOR, EL PASO COUNTY DEPARTMENT OF HEALTH AND ENVIRONMENT

PERMIT EXPIRATION DATE:
Expires twelve months from date of issue

Brad Wallan 578-3127
ENVIRONMENTALIST / PHONE NUMBER*

* NOTE: FOR INSPECTIONS CALL 575-8699 BEFORE 8:30 A.M. OF THE DAY TO BE INSPECTED.
(WEEKENDS & HOLIDAYS EXCLUDED)

LEAVE THE ENTIRE SEWAGE DISPOSAL SYSTEM UNCOVERED FOR FINAL INSPECTION.

WATER SOURCE: WELL

MINIMUM SEPTIC TANK SIZE: 1,500 GALLONS MINIMUM ABSORPTION AREA REQUIRED 1,351 SQ FT

PLANNING DEPARTMENT



ENUMERATION



FLOOD PLAIN



WASTEWATER



COMMENTS:

INSTALL LEACH FIELD IN AREA OF PERCOLATION TEST. LEACH FIELD SHALL NOT BE INSTALLED DEEPER THAN 3 FEET ACCORDING TO ENGINEER. RUN OFF FROM HOUSE MUST NOT FLOW INTO LEACH FIELD AREA.
ORIGINAL STAMPED PERCOLATION TEST MUST BE RECEIVED BEFORE FINAL APPROVAL CAN BE GIVEN.

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 time for the purpose of making such inspections as are necessary to determine compliance with requirements of this law.

FOR ADMINISTRATIVE USE ONLY

Permit Ready: 11-5-02

Called

Mailed

Final Inspection Requested: BY: Allen

Allen

Date Called In: 11/1/02

12/14/02 8:10

Septic Site will be ready: NOV

Phone #

495-0404
495-8619

Inspector

BRAD

#004

Record ID

4588

EL PASO COUNTY ENVIRONMENTAL HEALTH SERVICES

301 South Union Boulevard • Colorado Springs, CO • 80910-3123 • (719) 578-3126 • Fax: (719) 578-3188

APPLICATION FOR AN ON-SITE TREATMENT SYSTEM:

☒ NEW CONSTRUCTION ☐ MINOR REPAIR ☐ MAJOR REPAIR/ADD ☐ P.E. DESIGN

Call Dennis when ready 499-4400

Owner JIM House Daytime Phone 492-0122
 Address of Property 3965 Serenity place City & Zip C/S, P090P
 Legal Description LOT 19 High Forest Ranch Filing #1
 Owner's MAILING Address 14360 Summer Glen City, State & Zip C/S, Co. P0921
 Lot Size 5 AC Tax Schedule # 61270-02-006
 Septic Contractor Haven's Excavating Daytime Phone # 495-8619
 Type of Building: ☒ Frame ☐ Modular ☐ Mobile ☐ Commercial ☐ Manufactured ☐ Other _____
 Water Supply: ☒ Well or Spring ☐ Cistern ☐ Public Inside City Limits: ☒ No ☐ Yes-City _____
☐ MAIL PERMIT OR ☒ PICK UP PERMIT ☐ THERE IS AN ADDITIONAL RESIDENCE ON THIS PROPERTY

MAXIMUM POTENTIAL BEDROOMS 4Percolation Test Attached ☒ Y ☐ NGarbage Disposal ☒ Y ☐ NBasement ☒ Y ☐ NClothes Washer ☒ Y ☐ N

I have supplied a plot plan as described on the back of this form. I acknowledge 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 an applicant for purposes of evaluating 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 pursuant to C.R.S. 25-10-107 et. seq. I hereby certify all 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 Department of Health and Environment in evaluating the same for purposes of issuing the permit applied for herein. I further understand 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.

OWNER'S SIGNATURE [Signature]Date 10/28/02

DEPARTMENT OF HEALTH USE ONLY

1351 FT²
 Minimum Absorption Area

1,500 Gallons
 Minimum Tank Capacity

11-5-2002
 Date of Site Inspection

REMARKS Install Leach Field in area of perc test. Leach Field shall not be installed deeper than 3' according to engineer. Runoff from house must not flow into leach field area. Original stamped perc test must be received before final approval can be given.

EHS INSPECTOR Brad WallaceDATE 11-5-02☒ APPROVED☐ DENIED

FEE AS OF 8/1/00: NEW CONSTRUCTION \$315. + County Surcharge of \$30. = \$345.00

MAJOR REPAIR/ADDITION \$150

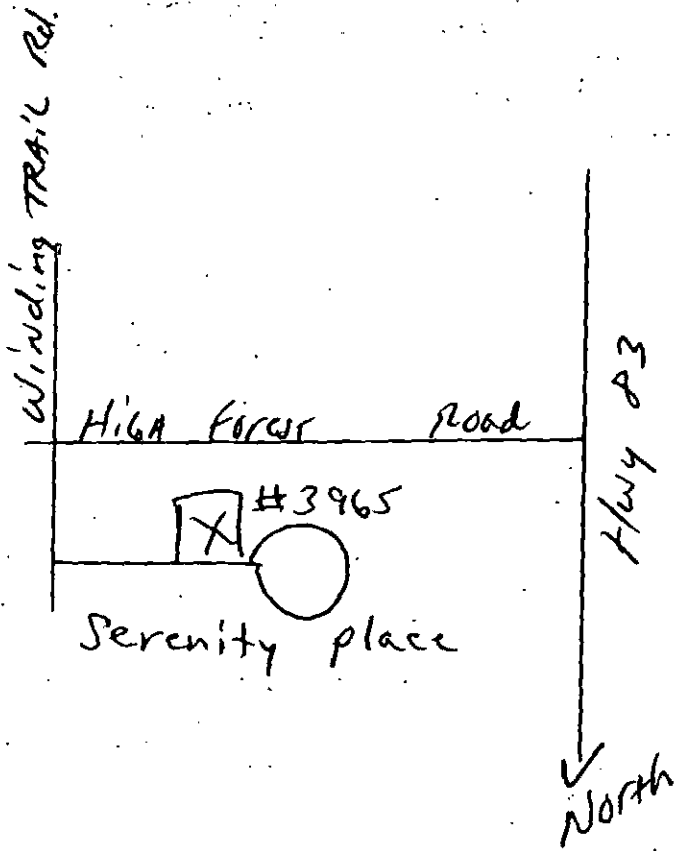
MINOR REPAIR/ADDITION \$75

DATE TO PLANNING / WASTEWATER: 10/21/02DATE TO FLOODPLAIN: 10/21/02

- 1) We require an original **PERC TEST** with an original professional engineer's (PE) stamp and signature. The percolation test holes.
- 2) **PROPERTY ADDRESS ROAD. PERC HOLE** **MUST BE POSTED AND CLEARLY VISIBLE FROM THE ROAD.**
- 3) A **PLOT PLAN** must be on an 8 1/2 x 11 sheet of paper. The plot plan must include:
- ✓ 1) a north bearing
 - ✓ 2) property lines
 - ✓ 3) property dimensions
 - ✓ 4) driveway (proposed or existing)
 - ✓ 5) septic system site
 - ✓ 6) well site
 - ✓ 7) driveway (proposed or existing and name of adjoining street)
- 4) Initial any of the following on your property and **INCLUDE** them on your **PLOT PLAN**.
- ✓ ☒ Well(s)
 - ☐ Cistern
 - ☐ Subsoil drain
 - ☐ Lake(s)
 - ☐ Stream(s)
 - ☐ Natural drainage course(s)
- 5) Initial any of the following on your **PLOT PLAN**.
- ☐ Spring(s)
 - ☐ Pond(s)
 - ☐ Dry Gulch(es)

EL PASO COUNTY, HEALTH & ENVIRONMENTAL QUALITY
 (719) 575-8636
 DATE 10.30.02
 NON-ADD # 1277
 1505.315 \$315.00
 CD SURCHARGE \$30.00
 SUBTOTAL \$345.00
 TOTAL \$345.00
 CHECK \$345.00
 BRENDA NO.000002
 TIME 09:11 0001

6) GIVE COMPLETE DIRECTIONS TO THE PROPERTY FROM A MAIN HIGHWAY





#6127002006
12/19/2002

E

P.O. Box 1351
Monument, CO 80132
719 481-4560
Fax 481-9204

December 20, 2002

Genesis Homes
P.O. Box 49084
Colorado Springs, Colorado 80949

Re: Septic Profile Observation
Lot 19, Filing #17
High Forest Ranch Subdivision,
3965 Serenity Place,
El Paso County, Colorado

Dear Sir,

A Profile Observation was performed on December 20, 2002, in the area for the septic field. The materials encountered in the observation at the above referenced site hold no significant variation from the materials encountered during the drilling and testing for the **Percolation Report by Front Range Geotechnical, Inc.** on April 25, 2002.

No anomalies, bedrock, ground water or debris were encountered at the depth of 40 inches in the Profile Observation for the septic system.

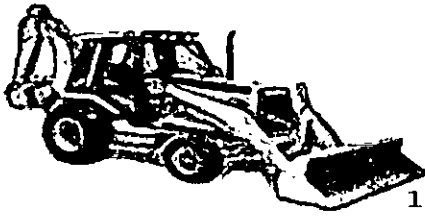
Therefore, the septic system to be installed on this site may be placed in the area of the Septic System Observation. However, if the septic system is installed below the elevation that the test was conducted, the system may not perform as effectively as a system installed at the conventional depth of 24 to 36 inches below native ground surface.

The average percolation rate, as stated in the Percolation Report, of 21.9 minutes per inch is acceptable for the sizing of a properly installed septic system in the area of the Profile Observation.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jeff Houchin".
Jeff Houchin
Professional Geologist

A circular professional seal for Michael F. Reynolds, P.E., Civil Engineer. The seal contains the text "COLORADO REGISTERED PROFESSIONAL ENGINEER" around the perimeter, the name "MICHAEL F. REYNOLDS" in the center, the number "16479", and the date "12/20/02". A handwritten signature is written over the seal.
Michael F. Reynolds, P.E.
Civil Engineer



HAVENS Excavating

Alan Havens
12655 Rusk Ln., Black Forest, CO 80908
(719) 495-8619

December 27, 2002

Re: Septic system for 3965 Serenity Pl.

Do to limited space in the area of the perk test and elevation of the building sewer, only a very small portion of the system was installed at a depth of 41 in. at the deepest point. The slope of the ground from one side of the leaching area to the other is such that only a very small portion of one side of the bed is more than the 36 in. maximum recommended depth by the El Paso County Health Dept. regulations.

The soils at the depth the leaching area was installed at, are in my opinion, very good for leaching purposes. In my opinion this septic system will work very well for many many years as long as the system is maintained properly, and not abused.

Alan Havens

A stylized, handwritten signature of Alan Havens, written in black ink. The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Owner of Havens Excavating



P.O. Box 1351
Monument, CO 80132
719 481-4560
Fax 481-9204

PERCOLATION TEST
FOR
GENESIS HOMES

JOB #10180

Lot 19, Filing #1,
High Forest Ranch Subdivision,
3965 Serenity Place,
El Paso County,
Colorado

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Jeff Houchin".

Jeff Houchin
Geologist



Michael F. Reynolds, P.E.
Civil Engineer

PERCOLATION TEST FINDINGS

Enclosed are the results of the percolation test for the septic system to be installed at Lot 19, Filing #1, High Forest Ranch Subdivision, 3965 Serenity Place, El Paso County, Colorado. The locations of the percolation test borings were determined by Dennis Grover. The residence will not be on a public water system. The number of bedrooms in the design for the residence is unknown. Due to the natural slope of the property, the entire system will feed to the southwest at 9% approximately 87 feet. All applicable regulations of the El Paso County Health Department will be complied with for the installation of the disposal system. A conventional absorption trench or seepage bed type septic system shall not be installed exceeding the preferable maximum depth of 3 feet below native ground surface.

The percolation test was performed on April 25, 2002, in accordance with Section VI, Soil Test, ISDS Regulations, E.P.C.D.H. & E. The field data and results of the percolation test are as follows:

PERC. TEST @ TIME	PERC HOLE #1 @ 34" DEPTH DROP (IN INCHES)	PERC HOLE #2 @DEPTH: 34" DROP (IN INCHES)	PERC HOLE #3 @DEPTH: 34" DROP (IN INCHES)
10:55	1-5/8	2-3/4	1-3/8
11:05	1-5/16	1-13/16	7/8
11:15	1	1	9/16
11:25	5/8	11/16	3/8
11:35	9/16	5/8	5/16
Rate/Hole:	17.8	16	32

The average of the test holes is 21.9 minutes per inch.

The soil profile for the disposal system is as follows:

- 0 to 4" - Topsoil- loam, organic composition.
- 4" to 12' - Sand- fine to coarse grained, low to moderate density, low moisture content, low clay content, low plasticity, buff in color.

No water was encountered during the drilling of all holes. Bedrock was not encountered. No known wells were observed within 100 feet of the proposed system. All setbacks shall conform to county regulations.

If during construction of the field itself, subsurface conditions change considerably or if the location of the proposed field changes, this office shall be notified to determine whether the conditions are adequate for the system as designed or whether a new system needs to be designed.

Weather conditions at the time of the test consisted of clear skies, with mild temperatures.



FRONT RANGE GEOTECHNICAL INC.

SITE MAP

Lot 19, Filing 1,
High Forest Ranch Subdivision,
3965 Serenity Place,
El Paso County,
Colorado,
Job #10180

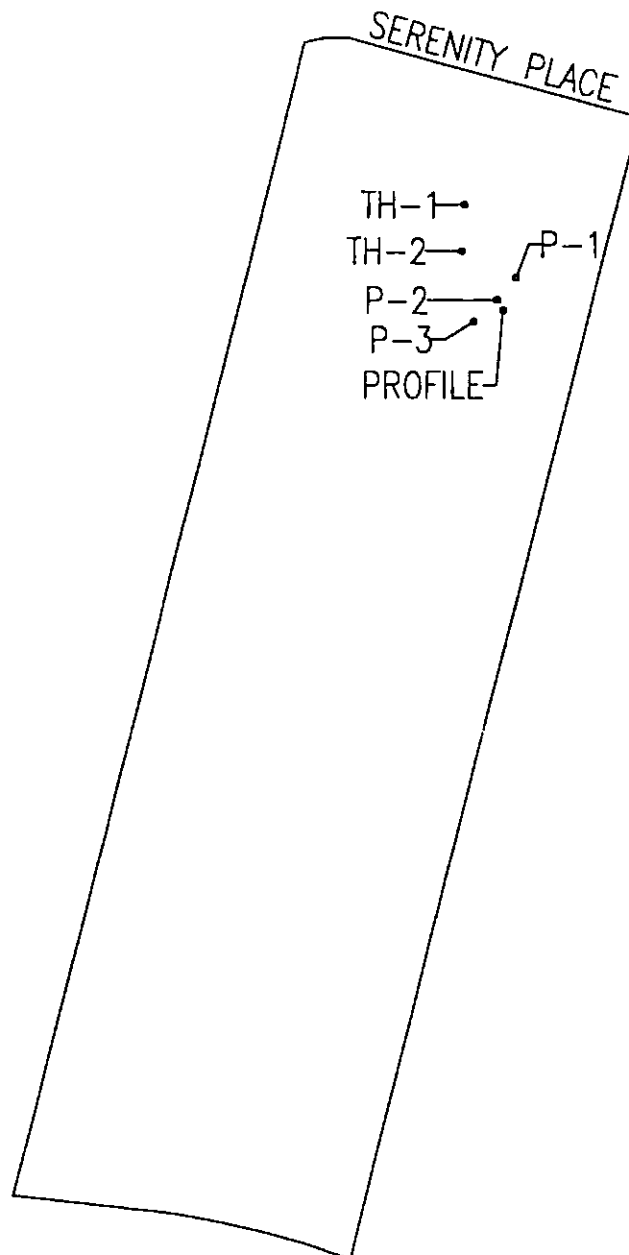
Location from N.E. Lot Corner to Profile: S. 35° W. - 183'

Location from Profile to:

P-1: N. 21° E. - 27'

P-2: N. 30° W. - 9'

P-3: S. 68° W. - 24'



0 50 100 150
GRAPHIC SCALE IN FEET
SCALE: 1" = 150'

