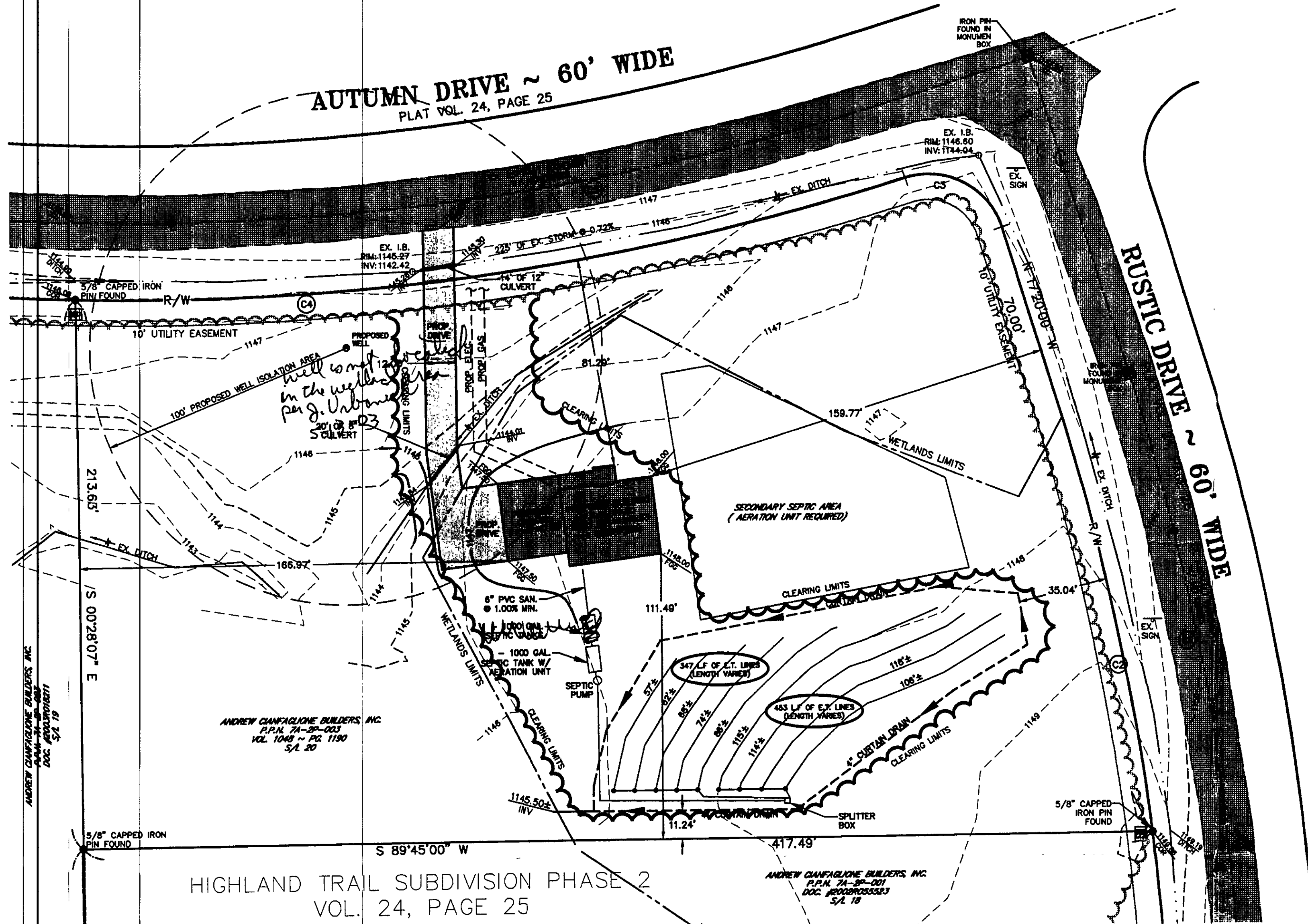
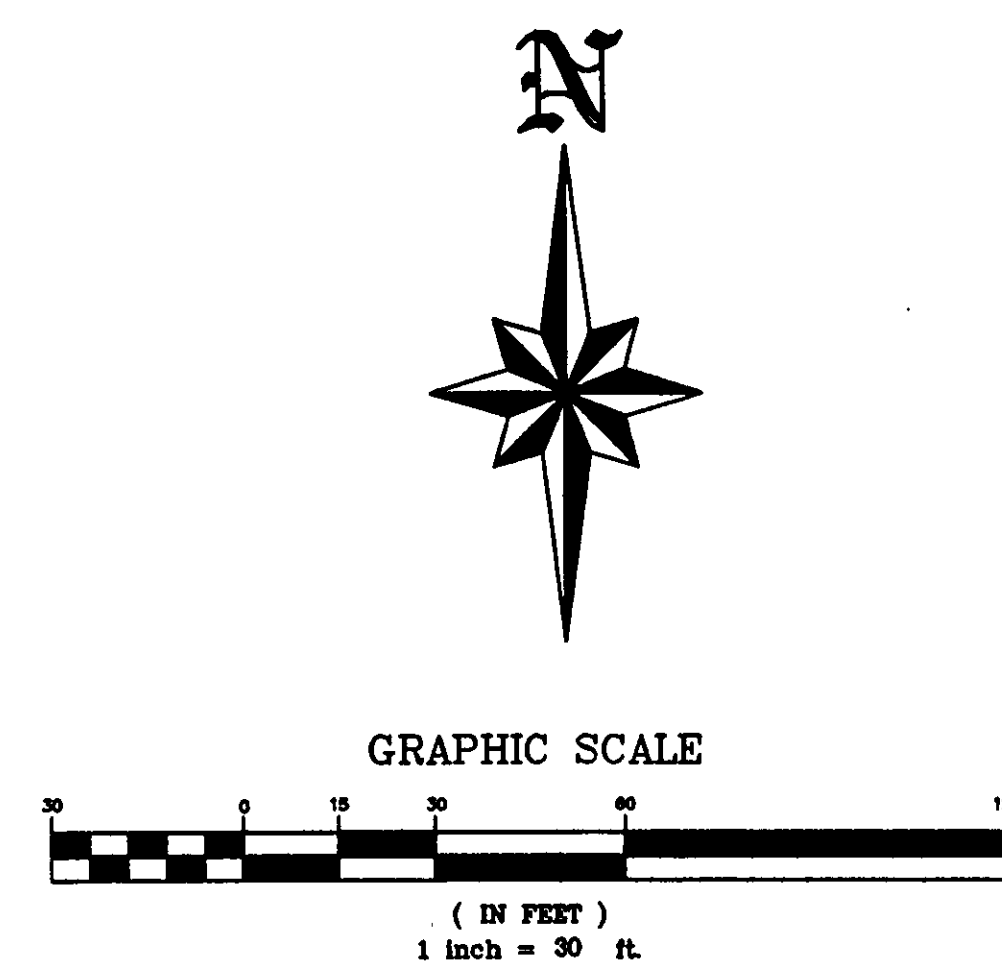




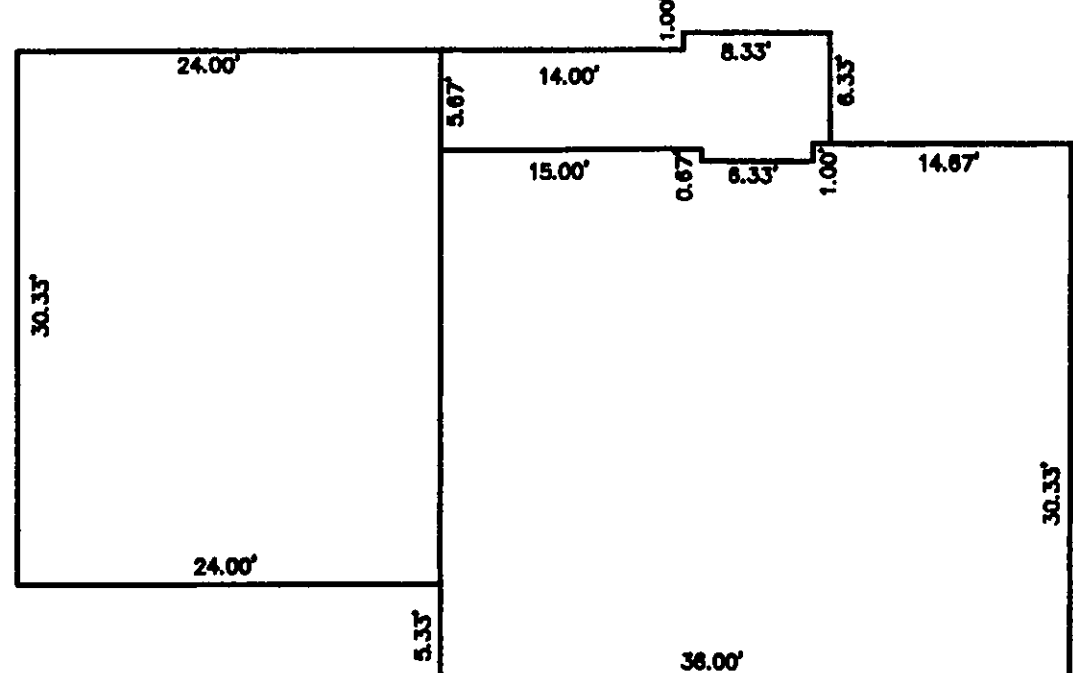
REVIEWED AND ACCEPTED
LAKE COUNTY GENERAL
HEALTH DISTRICT

5-14-03
David B. Morris

SEWAGE DISPOSAL PERMIT MUST BE
OBTAINED BY A LAKE COUNTY LICENSED
INSTALLER BEFORE INSTALLATION IS
STARTED



CURVE DATA						
CURVE	RADIUS	LENGTH	TANGENT	CHORD	BEARING	DELTA
C1	998.70	297.77	150.00	298.67	S 08°47'30" E	170°00'
C2	968.70	173.83	87.15	173.60	N 12°11'33" W	101°05'54"
C3	30.00	47.12	30.00	42.43	N 82°20'00" W	90°00'00"
C4	987.78	328.68	185.87	327.17	N 82°11'59" E	19°03'54"
C5	957.78	394.33	200.00	391.55	S 84°27'43" W	23°35'22"

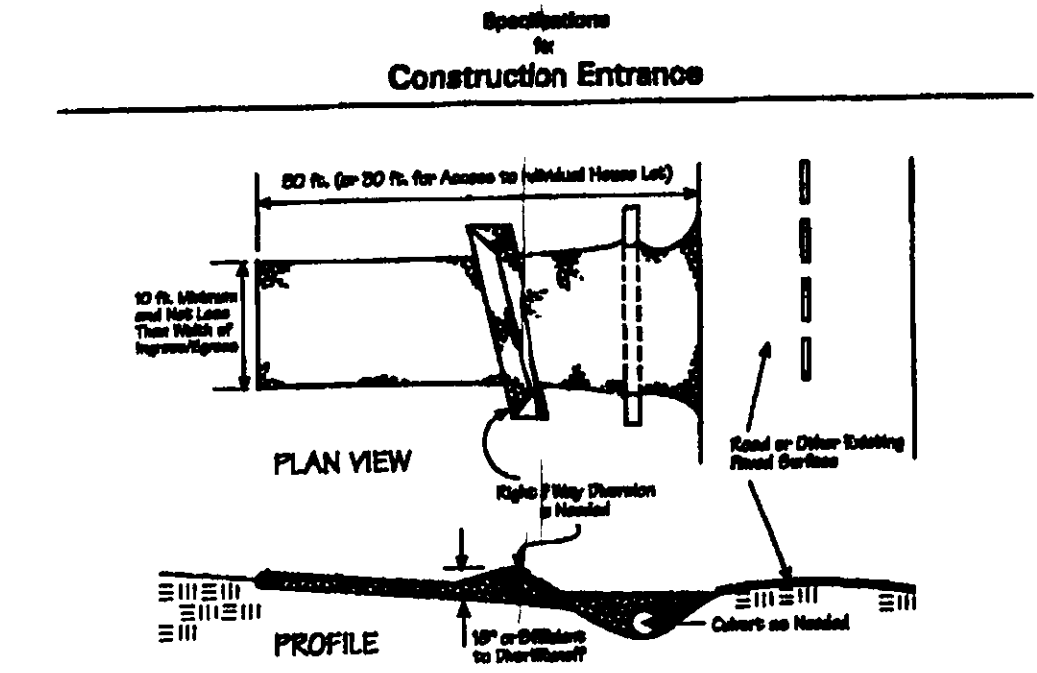


Grading Plan Approved
as shown and/or noted
JAMES R. GILLS, P.E.
Lake County Engineer

Date: 5/28/03

EROSION CONTROL NOTES

1. INSTALLATION OF SEDIMENT TRAPPING PRACTICES REQUIRED BEFORE EARTHWORK BEGINS AND TO REMAIN UNTIL DISTURBED AREAS ARE RESTABILIZED.
2. DENuded AREAS TO HAVE SOIL STABILIZATION APPLIED WITHIN SEVEN DAYS IF AREAS WILL REMAIN DORMANT FOR MORE THAN THIRTY DAYS.
3. UPON COMPLETION OF EXCAVATION OR FILL AND FINISHED GRADING, SOIL STABILIZATION SHALL BE APPLIED WITHIN SEVEN DAYS.



1. Stone Size—Two-inch stone shall be used, or recycled concrete equivalent.
2. Length—The construction entrance shall be as long as required to maintain high traffic areas but not less than 80 ft. (minimum on single residential lots where a 30-ft. minimum length applies).
3. Thickness—The stone layer shall be at least 8 in. thick.
4. Width—The entrance shall be at least 10 ft. wide, but not less than the full width at points where ingress or egress occurs.
5. Bedding—A geotextile shall be placed over the entire area prior to placing stone. It shall have a Grab Tensile Strength of at least 200 lb. and a Minimum Burst Strength of at least 180 lb.
6. Culvert—A pipe or culvert shall be constructed under the entrance if needed to prevent surface water flowing across the entrance from being directed out onto paved surfaces.
7. Water Bar—A water bar shall be constructed as part of the construction entrance if needed to prevent surface runoff from flowing the length of the construction entrance and out onto paved surfaces.
8. Maintenance—Top dressing of additional stone shall be applied as conditions demand. Mud spilled, dropped, washed or tracked onto public roads, or any surface where runoff is not checked by sediment controls, shall be removed immediately. Removal shall be accomplished by sweeping or sweeping.
9. Construction entrance shall not be rolled upon to remove mud from vehicles and prevent off-site tracking. Vehicles that enter and leave the construction site shall be washed from muddy areas.

HOUSE DETAIL

N.T.S.

LEADY V. GREENLAND
ONLINE APPROVED
5/29/03
after
Zoning Inspector

CERTIFICATION:

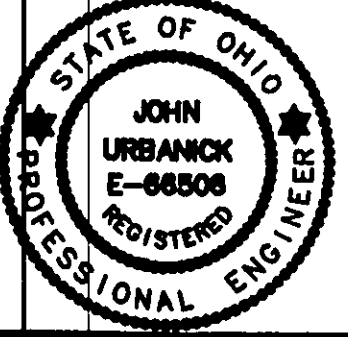
I, the undersigned, hereby certify that this topography, indicated by 1' 0" contours and elevations shown hereon, represent an actual field survey made by me or by my direct supervision on April 25, 2003 and that the elevations were taken at appropriate intervals and that, as of that date, they existed as indicated hereon.

John Urbanick
Reg. No. E-66506

5/9/03
Date

Site Plan for S/L 20 in the
Highland Trail Subdivision for
Cranfagione Builders, Inc.
Leroy Township - Lake County - Ohio

MAY 12 2003



Drawn By: mdp
Checked By:
Approved By:
Date: May 9, 2003

Greenland Consulting, Inc.
6820 Hopkirk Road Mentor, OH 44060
Phone: (440) 296-8187 Fax: (440) 296-1823
E-Mail: greenland@att.net

Scale: Horiz. 1"=30'
Vert. 1"= N/A
Sheet No. Of
1 1
Filename: 03-034