ICHD COPY

S&ME

August 28, 2014

Tripp Tower, III
1454 Brawley School Road
Mooresville, North Carolina 28117

Reference: **Technical Assistance with Septic Permitting**
126 Harbor Pine Road
Lot 60 Holiday Harbor Subdivision
Iredell County, North Carolina
S&ME, Inc. Project No. 4358-14-108

Dear Mr. Tower:

S&ME, Inc (S&ME) has provided technical assistance to obtain a possible new, four bedroom septic system permit on the above referenced lot from the Iredell County Health Department (ICHD). The technical assistance was performed in general accordance with S&ME Proposal No. 43-1400771 dated August 18, 2014.

Attached is the Application for the Septic Improvement Permit and Well Permit, the Zoning Permit, and the ICHD Fast Track requirements presented to the ICHD on your behalf. You are requesting a four bedroom Improvement Permit for a new home. Mr. Paul Penninger with S&ME visited the lot on August 27, 2014 to flag the proposed system. Three hand auger borings were described in the proposed septic area on the lot. Based on email correspondence from you, we understand the ICHD has agreed the lot is considered repair exempt. Also, based on a record date of 1963, reduced setbacks to the property lines can be utilized.

The proposed septic lines were flagged with a laser level and wire pin flags. Your surveyor had located the property corners, property lines, and flagged the proposed home location. The proposed primary system is a gravity 25 Percent Reduction System and there is very limited repair are on the lot. Most of the system is located in a former garden area. Minor smoothing of the soil surface may be necessary after system installation.

Once the septic area is permitted, it should be fenced off for protection during home construction. Access to the lot should only be by the proposed drive. There shall not be cuts of 2 feet or greater within 15 feet of any part of the permitted septic system and stormwater should be diverted from the drainfield. Install the system under dry soil conditions.

ICHD COPY

S&ME appreciates the opportunity to provide these services to you. The attached information is not an Improvement Permit or Authorization to Construct and is only to assist you and the ICHD with the Fast Track site evaluation. The ICHD may show any proposed changes or modifications they deem allowable to the proposed system on the attached report or site plan. The ICHD must approve each lot and only the ICHD can issue these permits. The ICHD should verify all soils and system specifications, required setbacks, and whether a professional engineer plan is required before permitting and/or septic system installation. Soil evaluations and system layouts are done based on interpretations of the rules governing wastewater treatment and disposal systems and are not guarantees for site approval or future septic system performance.

If you have any questions or require additional information please contact us at your convenience.

Sincerely,

S&ME, Inc.

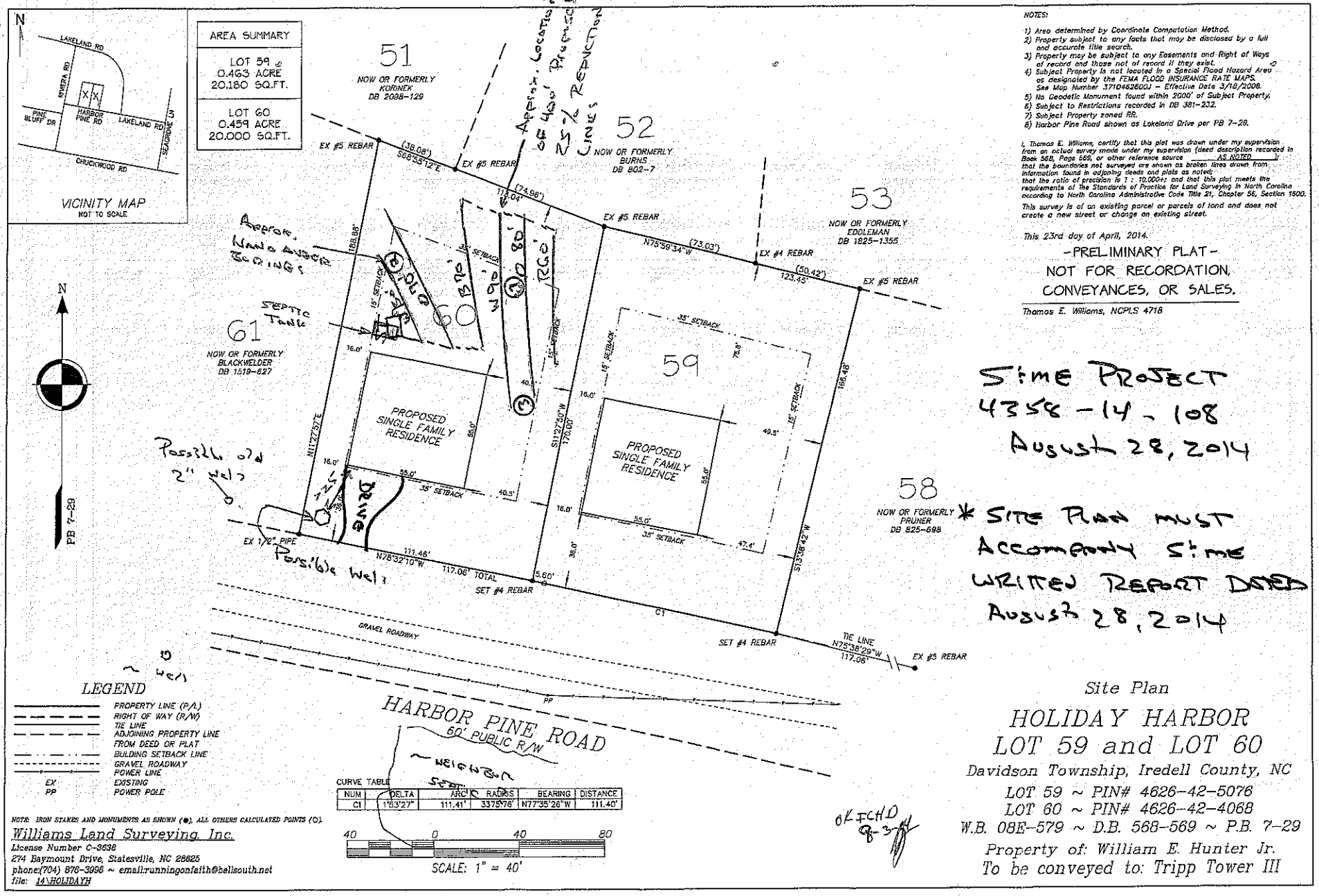
Paul G. Penninger, L.S.S.
Soil Scientist

Rob Willcox, L.S.S.
Senior Project Manager

Attachments:

1. ICHD Improvement Permit Application, Well Application and Zoning Permit
2. Proposed Site Plan, System Information, Record Plat, and Soil Profile Descriptions

T:\Projects\2014\ENV\Tripp Tower III - Lot 60 Holiday Harbor\Holiday Harbor FT Summary Letter.doc



NOTES:

1) Area determined by Coordinate Computation Method.
2) Property subject to any facts that may be disclosed by a full and accurate title search.
3) Property may be subject to any Easements and Right of Ways of record and those not of record if they exist.
4) Subject Property is not located in a Special Flood Hazard Area as designated by the FEMA FLOOD INSURANCE RATE MAPS. See Map Number 3710466200J – Effective Date 3/18/2008.
5) No Geodetic Monument found within 2000' of Subject Property.
6) Subject to Restrictions recorded in DB 381-232.
7) Subject Property zoned RR.
8) Harbor Pine Road shown as Lakeland Drive per PB 7-29.

I, Thomas E. Williams, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book 568, Page 569, or other reference source AS NOTED); that the boundaries not surveyed are shown as broken lines drawn from information found in adjoining deeds and plats as noted; that the ratio of precision is 1 : 10,000+; and that this plat meets the requirements of The Standards of Practice for Land Surveying in North Carolina according to North Carolina Administrative Code Title 21, Chapter 56, Section 1600.

This survey is of an existing parcel or parcels of land and does not create a new street or change an existing street.

This 23rd day of April, 2014.

-PRELIMINARY PLAT-
NOT FOR RECORDATION, CONVEYANCES, OR SALES.

Thomas E. Williams, NCPLS 4718

Site Plan

HOLIDAY HARBOR
LOT 59 and LOT 60

Davidson Township, Iredell County, NC

LOT 59 ~ PIN# 4626-42-5076
LOT 60 ~ PIN# 4626-42-4068
W.B. 08E-579 ~ D.B. 568-569 ~ P.B. 7-29

Property of: William E. Hunter Jr.
To be conveyed to: Tripp Tower III

NOTE: IRON STAKES AND MONUMENTS AS SHOWN (●), ALL OTHERS CALCULATED POINTS (○).

Williams Land Surveying, Inc.
License Number C-3636
274 Baymount Drive, Statesville, NC 28625
phone:(704) 876-3996 ~ email:runningonfaith@bellsouth.net
file: 14\HOLIDAYH

Site Plan
4356-14-108
August 28, 2014

* Site Plan must accompany Site Written Report Dated August 28, 2014

OK FCHD 8-3

Tripp Tower, III - Holiday Harbor Lot 60 Fast Track Summary

S&ME Project No. 4358-14-108 (August 28, 2014)

OK ICHD 9-3-14

Number of Bedrooms	4
Basement or Crawl	Crawl
Design Flow (gpd)	480
LTAR (gpd/sqft)	0.3
Septic Tank	1,000 Gallon
Trench Depth	27 inches
Primary System Type	**Gravity 25 Percent Reduction**
No. Lines	(See Site Plan)
Total Linear Feet	400
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	No
Distribution Device	Serial Distribution or other ICHD approved device
Maintenance Agreement Required	No
Repair System	**Repair Exempt**
Total Linear Feet	Very limited repair on lot.
Repair LTAR (gpd/sqft)	0.3

Note: **Installer and ICHD shall verify all line locations, tank locations, and elevations prior to installation.**
System is to be installed according to any other ICHD requirements or policies.
These specifications are to satisfy the ICHD Fast Track LSS checklist and are not intended to represent an Engineered System Design.
Use trench depth on ICHD IP.

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 1
PROPERTY ID #:
COUNTY:

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM**
(Complete all fields in full)

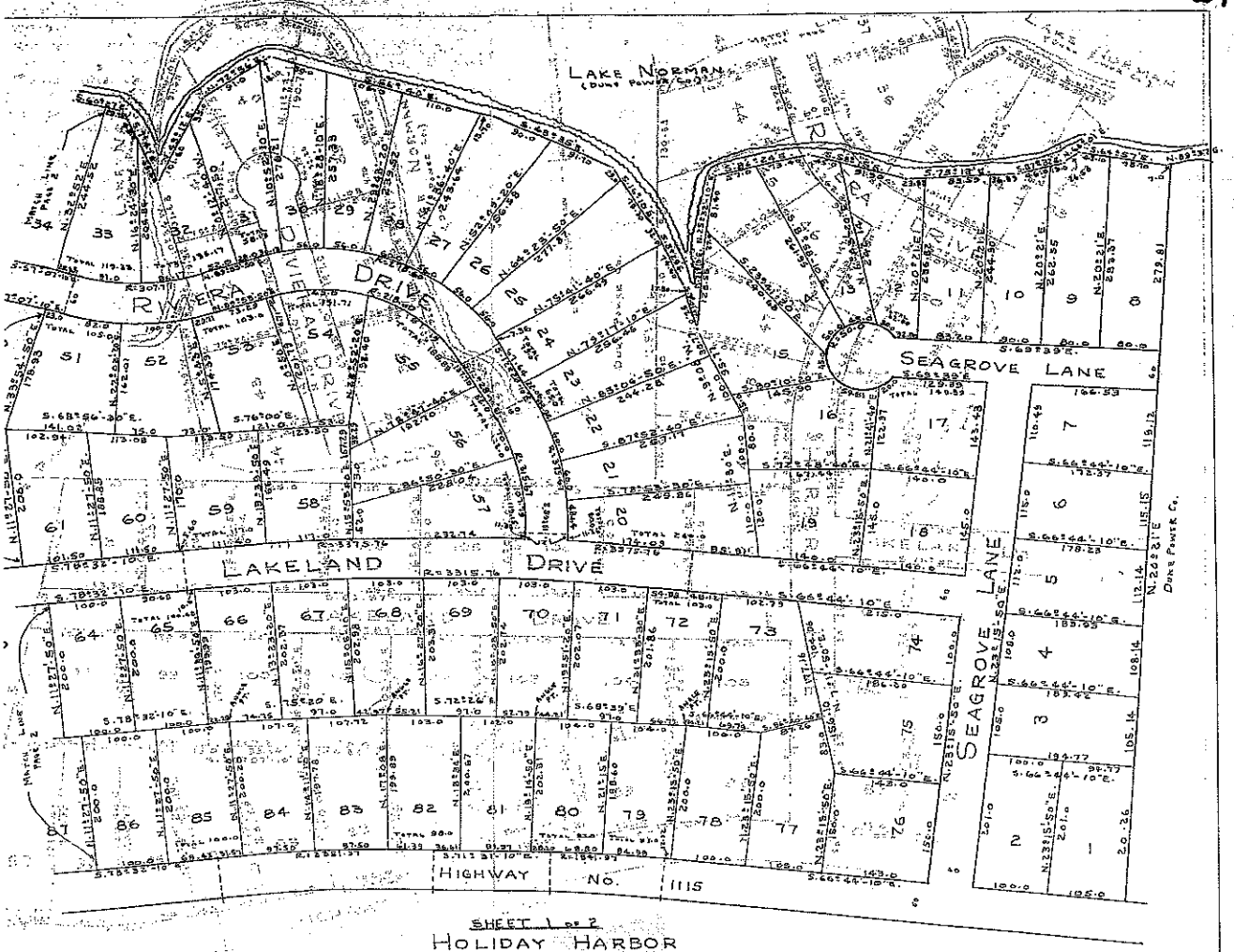
OWNER: Arc; Tripp Town of Holiday Harbor
APPLICATION DATE
ADDRESS: Lot 60 Holiday Harbor
DATE EVALUATED: 8-27-
PROPOSED FACILITY: 4 BR
PROPOSED DESIGN FLOW (.1949): 480
PROPERTY SIZE: 20K SF
LOCATION OF SITE: Lot 60 Holiday Harbor
PROPERTY RECORDED: 1963
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L - Sand - 10%	0-18	SBK/C	fr SS/SP	red				PS .3+
		18-45	WSBK/CL	fr SS/SP	yel red, C pale W		inl	SAP	
		45-48	rmass/R	fr SS/SP		45	PS	0	
					0				
2	L - Sand - 10%	0-20	SBK/C	fr SS/SP	red W yell W	WR/gwtr C SAK W		17-20"	RS .3+
		20-48	WSBK/CL	fr SS/SP					
					0	45	0	0	
3	L Sand - 10%	0-12	SBK/C	fr SS/SP	red f yell W mc	SAP W C SAK mainly	SAP	w/	PS .3+
		12-43	WSBK/CL	fr SS/SP					
		43-48	VWSBK/R	fr SS/SP					
					CL soil	43	0	0	
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	RS	REPAIR EXEMPT
System Type(s)	2	N/A
Site LTAR	.3	N/A

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): RS
EVALUATED BY: PIC - must be
OTHER(S) PRESENT: Approved by ICHD

COMMENTS: of ICHD 9-3-14



SHEET 1 OF 2

HOLIDAY HARBOR

PROPERTY OF

JAMES D. HAGER

DAVIDSON TWSP. IREDELL CO., N.C.

SCALE: 1"=100' MARCH 29, 1963

KEITH R. MYERS
N.C. REGISTERED SURVEYOR
L-1552

State of North Carolina
County of Mecklenburg

The undersigned surveyor, being duly sworn, deposes and says that he has surveyed and drawn the plat hereon from actual measurements and that the boundary lines, corners and monuments are correctly shown thereon; that the ratio of precision as calculated is 1:10,000+; that this plat was prepared by him in accordance with G.S. 47-30 as amended; that the error of closure as calculated by latitudes and departures after adjustment is 1:10,000+; that this plat was prepared in accordance with G.S. 47-30 as amended.

Witness my original signature, registration number and seal this 29th day of March, A.D. 1963.

Keith R. Myers
Land Surveyor
110 W. 3rd St.
Charlotte, N.C.

State of North Carolina
County of Mecklenburg

I, Marjorie L. Harper (Your Name), a Notary Public in and for the County of Mecklenburg and State of North Carolina, do hereby certify that Keith R. Myers personally appeared before me this day and acknowledged the execution of the foregoing instrument.

Witness my hand and official seal this 29th day of March, 1963.

Marjorie L. Harper (your name)
Notary Public

My commission expires: June 15, 1966

State of North Carolina
County of Iredell

The foregoing certificate of Marjorie L. Harper, a Notary Public of Mecklenburg County, North Carolina is adjudged to be correct. Let the plat and this certificate be registered.

This 17th day of April, 1963

D. P. Bell
Deputy Clerk, Superior Court
Iredell County, N.C.

Filed for registration on the 17th day of April, 1963, at 3:45 o'clock P.M. and recorded in Book 7 Page 29

R. E. Sloan
Register of Deeds
Iredell County