HMI Operating Plan

Scrap Acceptance Guidlines

Attachment #1

Recyclers of Scrap & Precious Metals

HARDING METALS, INC

SCRAP ACCEPTANCE GUIDELINES

This document clarifies our general guidelines for accepting recyclable materials. These requirements reflect our commitment to responsible environmental management.

Please be aware that many of our guidelines are controlled by the state and federal environmental regulations which apply both to us and our suppliers.

This list is not inclusive; other items not listed may be inappropriate for recycling as scrap metal. Please read the guidelines carefully and contact your supervisor or buyer if you have questions about specific items. **REMEMBER THAT ANY LOAD MAY BE REJECTED AT THE SUPPLIER'S EXPENSE IF THESE GUIDELINES ARE NOT FOLLOWED.**

The following materials will NOT be accepted at our facility:

- Asbestos or asbestos containing materials such as pipe insulation, acetylene tanks and surfacing material commonly found on I-beams, tanks, and other structural and demolition debris(40 CFR§61.150).
- Oils, gasoline, other petroleum products and antifreeze. This includes hydraulic fluids, gear oils, and grease. Hydraulic equipment must have hydraulic hoses removed and cylinders cut open and drained.
- Items that contain or have contained PCB's, including small capacitors, florescent light ballast, and electrical transformers or transformer components and paint(TSCA and 40 CFR §258) Transformers and transformer components may be accepted if properly drained and documented as "certified clean".
- Any type of paint container that has liquid in it. If the paint has dried in the container it will be accepted.
- Any material containing hazardous or toxic substances.
- Military scrap unless approved in advance
- Explosives or explosive residues
- Radioactive materials of any kind
- Tires, dirt, yard debris, concrete, asphalt, glass, or similar non metals materials.
- Computer monitors or televisions.

The following materials will be accepted ONLY if prepared as described:

- Appliances must have all fluids, including refrigerants drained. **OR** Appliances that cannot be verified that all the fluids have been drained must be segregates in the CFC hold area, until a time when a certified technician can properly drain their system.
- Drums, barrels, and other containers: must be thoroughly cleaned and the entire top removed and open for inspection. Gas cylinders, including air bottles, propane and other gas tanks must be cut in half.
- Storage tanks must be clean and purged of all gases and fluids, as well as, free of plastic, fiberglass or asbestos coatings or liners. Tanks that held hazardous chemicals must be certified clean and free of hazardous material by competent authority. We must be able to inspect the inside of tanks; therefore all tanks must have the access panel removed or a basketball sized section removed for inspection purposes.
- Aerosol cans must be empty and crushed or punctured and have the plastic caps removed.

Metal Theft

In an effort to curtail the rising incidences of metal theft, Harding Metals operation refuses to accept the following materials unless ownership is clearly established:

- New production scrap or new materials that are part of a manufacturing process that are being sold by an individual, not a company.
- Items used only by governments, utilities, railroads, or for very specific purposes, This includes guardrails, manhole covers, storm drain covers, and grate, certain cables only used in high voltage transmission lines, historic markers, cemetery plaques and artwork.
- Full sized, new materials such as those used in construction, or equipment tools used by contractors.
- Materials that may not be new but are clearly suspect, such as bleachers, from an athletic field, traffic signs or sections irrigation pipe.
- Beer kegs, soda cylinders and shopping carts.
- Materials that have been reported stolen.

Harding Metals maintains records of all transactions and cooperates fully with local, state and federal enforcement in the prosecution of metals theft. Harding Metals also actively monitors SCRAPTHEFT.com.

HMI Operating Plan

Guidelines for Iron and Steel Scrap

Attachment #2

Recyclers of Scrap & Precious Metals

HARDING METALS, INC

GUIDELINES FOR IRON AND STEEL SCRAP

Automobile/light truck parts

All automobiles and light truck parts shall be drained of all air conditioning refrigerant, mercury switches, and fluids in accordance with Federal, State, and Local regulations.

Motor Blocks

Automobiles and light truck motors and transmissions shall be drained of all fluids and free of drive shafts, frame parts, hoses or excessive contaminants.

Light Iron

Light metal 1/8 thick or less in thickness, includes such items as lawn mowers, bicycles, swing sets, water heaters, tin sheds, metals shelving, steel desks, appliances, etc. Appliances must be free from all capacitors, CFC's and HCFC's. We will not accept refrigerators or air conditioners unless they have been drained of refrigerant with all capacitors removed. No microwaves, computers, televisions, or other house hold electronics.

#1 HMS, Prepared

Wrought iron and or steel scrap that is ¼ inch and greater in thickness. Individual pieces may not exceed 60 x 18 inches in size and must be prepared in a manner to insure compact charging. Materials exceeding 1 inch in thickness may not exceed 36 x 24 inches in size. You may not include automobile / light truck scrap, galvanized materials, sheet iron, or thin gauged materials. Sealed containers must be opened and drained of any fluids or gases.

#1 HMS, Unprepared

Material that exceeds the above measurements for #1 HMS, Prepared and requires preparation by shearing or torching. We will only accept by special permission, heavy machinery or equipment, hydraulic cylinders and rams, forklifts, counterweights, boiler tubes assemblies, transformers or materials exceeding 1 inch in thickness that must be prepared by torching. Storage tanks must clean and purged of all fluids and gases, as well as, free of plastic, fiberglass or asbestos coatings or liners. Tanks that have held hazardous chemicals must be certified clean and free of all hazardous material by competent authority. We must be able to inspect the inside of tanks, therefore, all thanks must have the access panels removed or have a basketball sized sections removed for inspection.

#2 HMS, Prepared

Wrought iron and or steel scrap, black and or galvanized, 1/8 of an inch or greater in thickness. Individual pieces may not exceed 36 x 18 inches in size. May include auto scrap properly prepared and free of sheet iron or thin gauged materials. May not include cable over 36 inches in length. Sealed containers must be opened and drained of any fluids or gases , with any valves removed.

#2 HMS, Unprepared

Material that exceeds the above measurements for #2 HMS, Prepared and requires preparation by either torching or shearing.

Plate and Structural

Clean open-hearth steel plates, structural shapes, crop ends, and shearing caps, ¼ inch and over in thickness. Individual pieces may not exceed 60 x 24 inches in size and must be prepared in a manner to insure compact charging. Material exceeding 1 inch in thickness may not exceed 36 x 24 inches in size. You may not include pipe or rebar.

Plate and Structural, Unprepared

All material that exceeds P&S, prepared sizing requirements and requires preparation by shearing or torching, dependent on the materials size and shape.

Mixed Cast

May include all grades of cast iron except burnt Iron cast, sash weights or foreign material. Sizing may not exceed 24 x 30 inches or any one piece over 150 lbs in weight.

Busheling

Clean, uncoated and unpainted new production scrap, not to exceed 2 x 3 feet in size. Must be alloy free. Must be free from non-ferrous and non-metallic of any kind, including but not limited to, excessive dirt, loose turnings, oil, grease, excessive rust, tin plate, galvanized metals, stainless steel, chrome, or porcelinized coatings.

Unprepared Busheling

Consists of clean, uncoated and unpainted new production scrap not exceeding 5 x 10 feet in size. Must be alloy free. Must be free from non-ferrous and non-metallic of any kind, including but not limited to, excessive dirt, loose turnings, oil, grease, excessive rust, tin plate, galvanized metals, stainless steel, chrome, or porcelinized coatings.

No.2 Bundles

Old Black and galvanized steel scrap, hydraulically compressed to charging box size and weighing not less than 75 lbs per cubic foot. May not include tin or lead coated materials or vitreous enameled material.

Items that cannot be accepted in iron and steel scrap:

Hazardous or radioactive material or radioactive contaminated material
Batteries or lead
Scrap containing refrigerant, asbestos or capacitors
Crushed or baled barrels or drums
Paint or undrained containers
Closed containers such as acetylene, propane, gas, or oxygen bottles
Scrap containing rubber, oil, tar, heavy grease coatings
Fuel tanks unless flattened, clean and free of plastic or fiberglass coatings
Concrete, dirt, wood non-metallics, paper, cardboard, plastics, tires, or glass.

HMI Operating Plan

Emergency Contacts

Recyclers of Scrap & Precious Metals

HARDING METALS, INC

Emergency Contacts

Emergency Coordinator	**Kevin Campbell**	**(Cell) 603-502-2255, (Home) 603-868-3323**		1/1/2014
Emergency Contact	**Dan Daley**	**(Cell) 603-234-3548**		
Emergency Contact	**Robert Chadbourn**	**(Cell) 603-235-3549**		
Ambulance	**911**			
Fire Department	**911**	**Northwood**	**603-942-9103**	
Police Department	**911**	**Northwood**	**603-942-8284**	
State Police	**911**	**Concord**	**603-679-3333**	
Hospital	**Lee 603-225-2711**	**Concord**	**603-868-8500**	
Emergency Response Team	**SAFETY KLEEN**		**888-375-5336**	

HMI Operating Plan

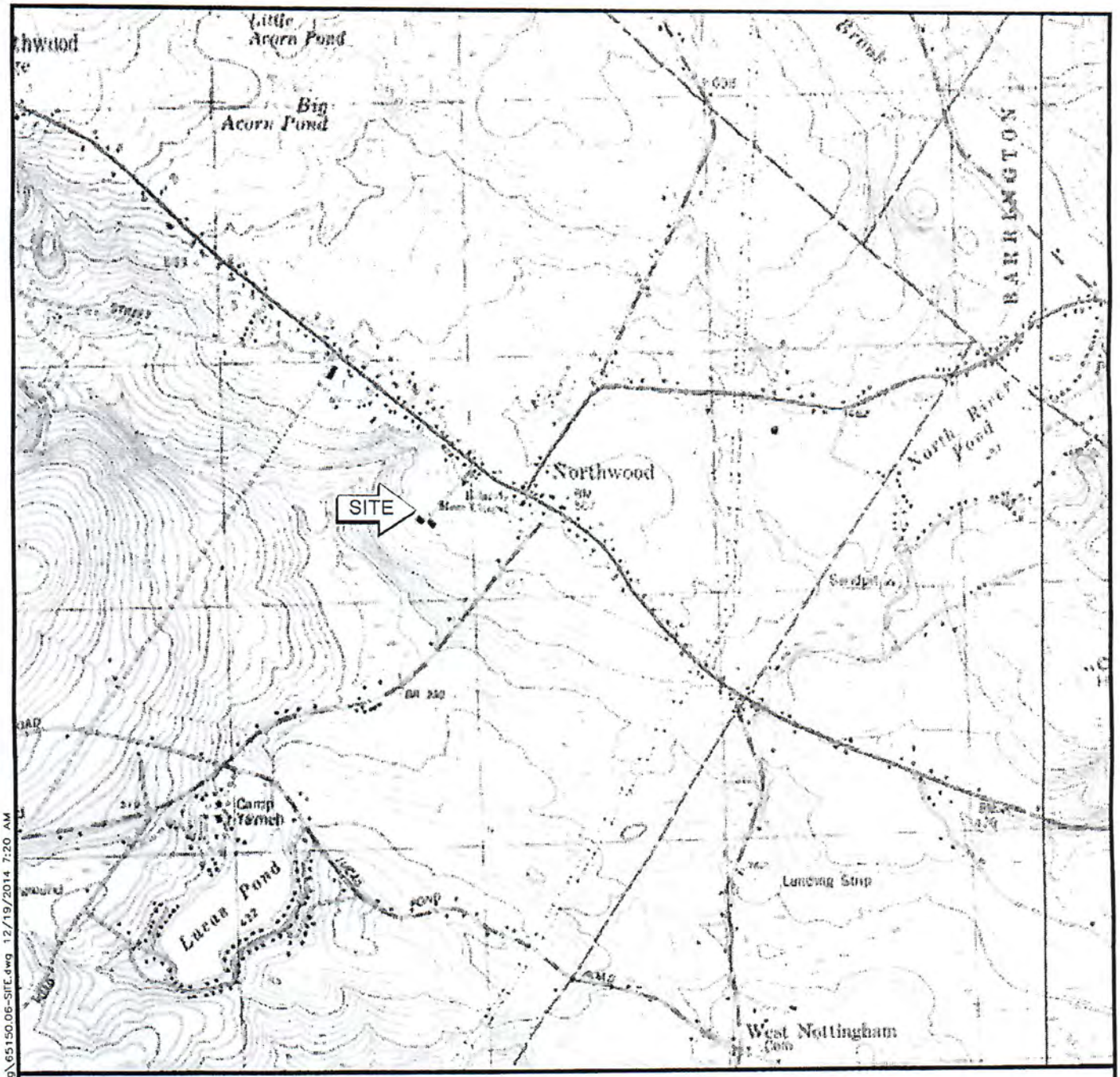
ASTs

ATTACHMENT #4

HMI ID Number	Location Of Storage	Max Capacity (GAL.)	Contents
1	Main Office Back Scale	275	#2 Fuel Oil
3	Maintenance Shop	275	#2 Fuel Oil
4	Maintenance Shop	190	Hydraulic Oil
5	Maintenance Shop	190	Motor Oil
8	Fueling Station	500	Diesel
9	Fueling Station	1000	Diesel
10	Fueling Station	1000	Diesel
13	Main Office Back Scale	1000	Kerosene
14	Off Road Diesel	2000	Off Road Diesel Fuel
15	Outside Bailer	680	Hydraulic Oil Resovior
15 A	Inside Balier Aluminun Building	1600	Hydraulic Oil Resovior
16	Former Incinerator building	60	Hydraulic Oil Resovior
17	Main Office Back Scale	220	Used Oil
18	Covered Turnings Storage Area	1650	Used Oil
19	Former Incinerator Building	275	Used Oil
20	Maintenance Shop	220	Virgin Oils
21	Former Incinerator Building	240	Used Oil
22	Maintenance Shop	400	Used Oil

HMI Operating Plan

Facility Layout



NORTH

USGS TOPOGRAPHIC MAP

NORTHWOOD, NEW HAMPSHIRE
1981

APPROXIMATE SCALE
1 INCH = 2,000 FEET

Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord, NH 03301
T(603) 224-4182
www.nobiseng.com
Client - Focused, Employee - Owned

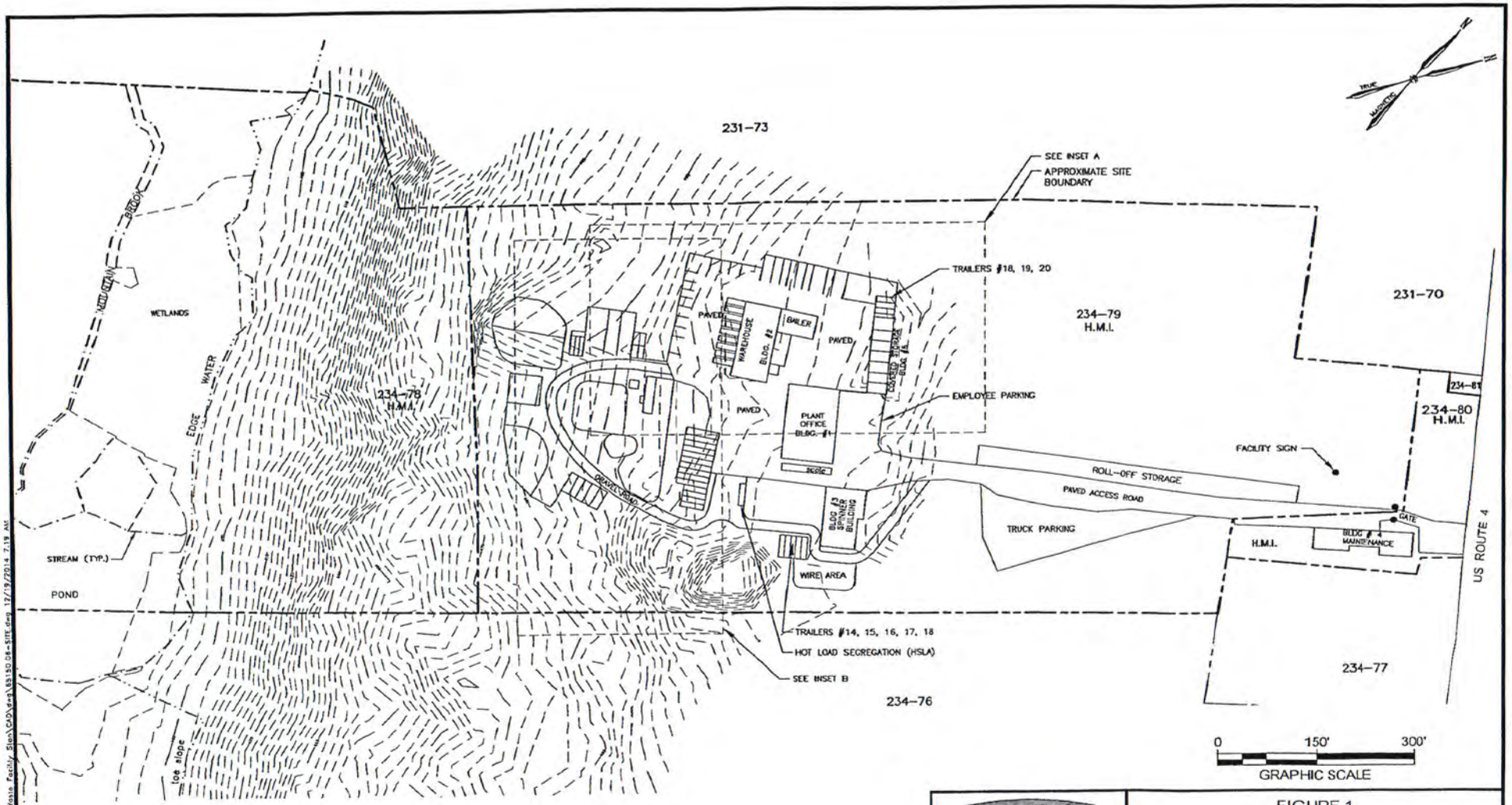
QUADRANGLE LOCATION

FIGURE 6

LOCUS PLAN
HARDING METALS, INC.
42 HARDING DRIVE
NORTHWOOD, NEW HAMPSHIRE

PROJECT NO. 65150.06 | DATE: DECEMBER 2014

J:\65150.06 – Harding Metals Solid Waste Facility Stan\CAD\dwg\65150.06-SITE.dwg 12/19/2014 7:20 AM



NOTES

1. THIS PLAN WAS DEVELOPED FROM A SURVEY BY W.T. WORMWELL, LLS OF NORTHWOOD, NH, NORTHWOOD TAX MAPS, A STONE & WEBSTER ENVIRONMENTAL TECHNOLOGY SERVICES, INC. REPORT DATED DECEMBER 1996 AND SITE OBSERVATIONS BY NOBIS ENGINEERING, INC.
2. LOCATIONS OF SITE FEATURES PRESENTED HEREON ARE APPROXIMATE AND GIVEN FOR ILLUSTRATIVE PURPOSES ONLY.

LEGEND

PROPERTY LINE

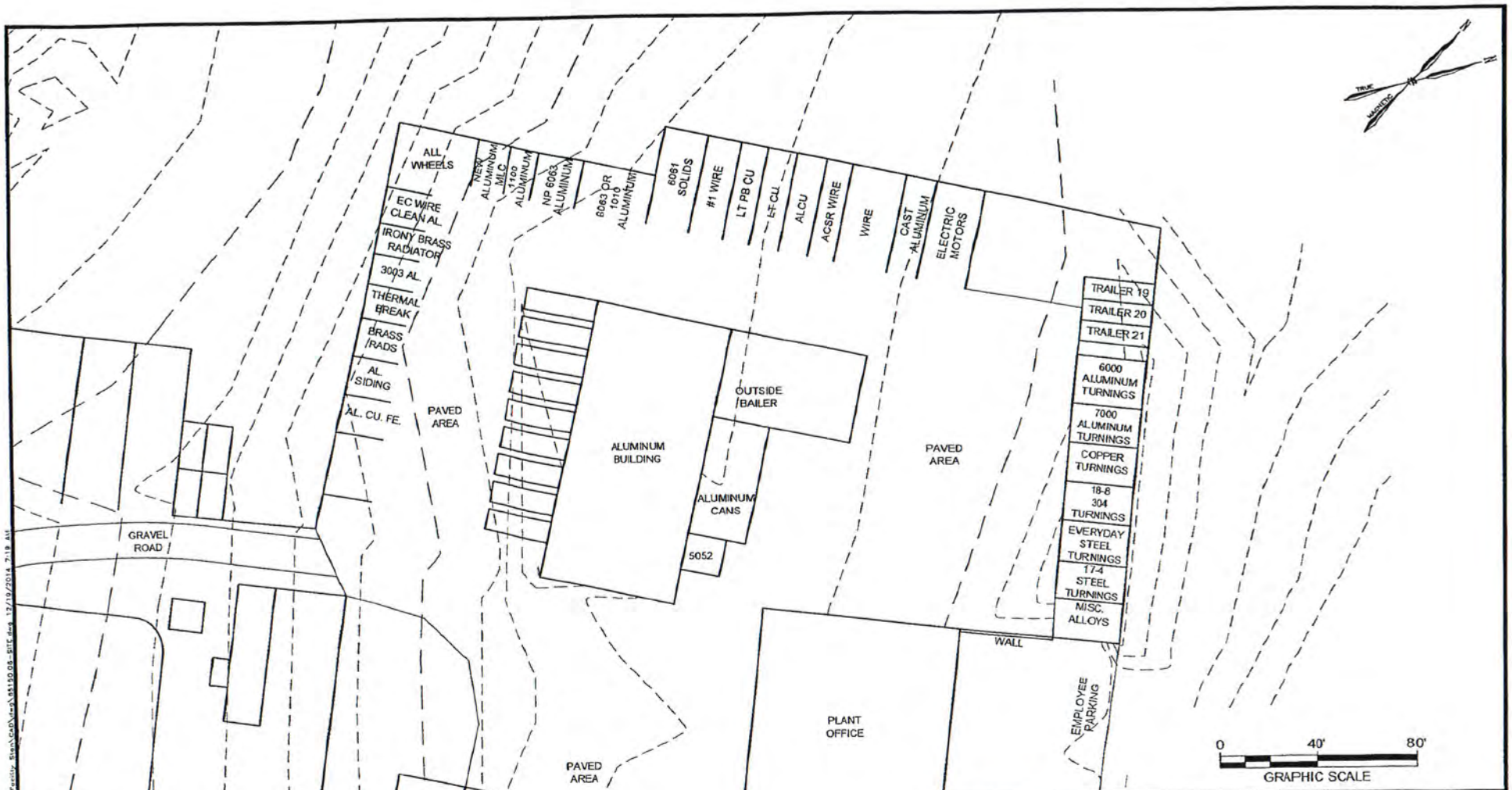
Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
16 Chenell Drive
Concord, NH 03301
T(603) 224-4182
www.nobiseng.com
Client - Focused, Employee - Owned

FIGURE 1

OVERALL SITE PLAN
HARDING METALS, INC.
42 HARDING DRIVE
NORTHWOOD, NEW HAMPSHIRE

DRAWN BY:	AKP	CHECKED BY:	BV
PROJECT NO.	65150.06	DATE:	DECEMBER 2014

J:\65150.06 - Harding Metals Solid Waste Facility Site\CAD\arch\65150.06-SITE.dwg 12/19/2014 7:19 AM



LEGEND

PROPERTY LINE

NOTES

1. THIS PLAN WAS DEVELOPED FROM A SURVEY BY W.T. WORMWELL, LLS OF NORTHWOOD, NH, NORTHWOOD TAX MAPS, A STONE & WEBSTER ENVIRONMENTAL TECHNOLOGY SERVICES, INC. REPORT DATED DECEMBER 1996 AND SITE OBSERVATIONS BY NOBIS ENGINEERING, INC.
2. LOCATIONS OF SITE FEATURES PRESENTED HEREON ARE APPROXIMATE AND GIVEN FOR ILLUSTRATIVE PURPOSES ONLY.

Nobis

Engineering a Sustainable Future

Nobis Engineering, Inc.
18 Chenell Drive
Concord, NH 03301
T(603) 224-4182
www.nobiseng.com

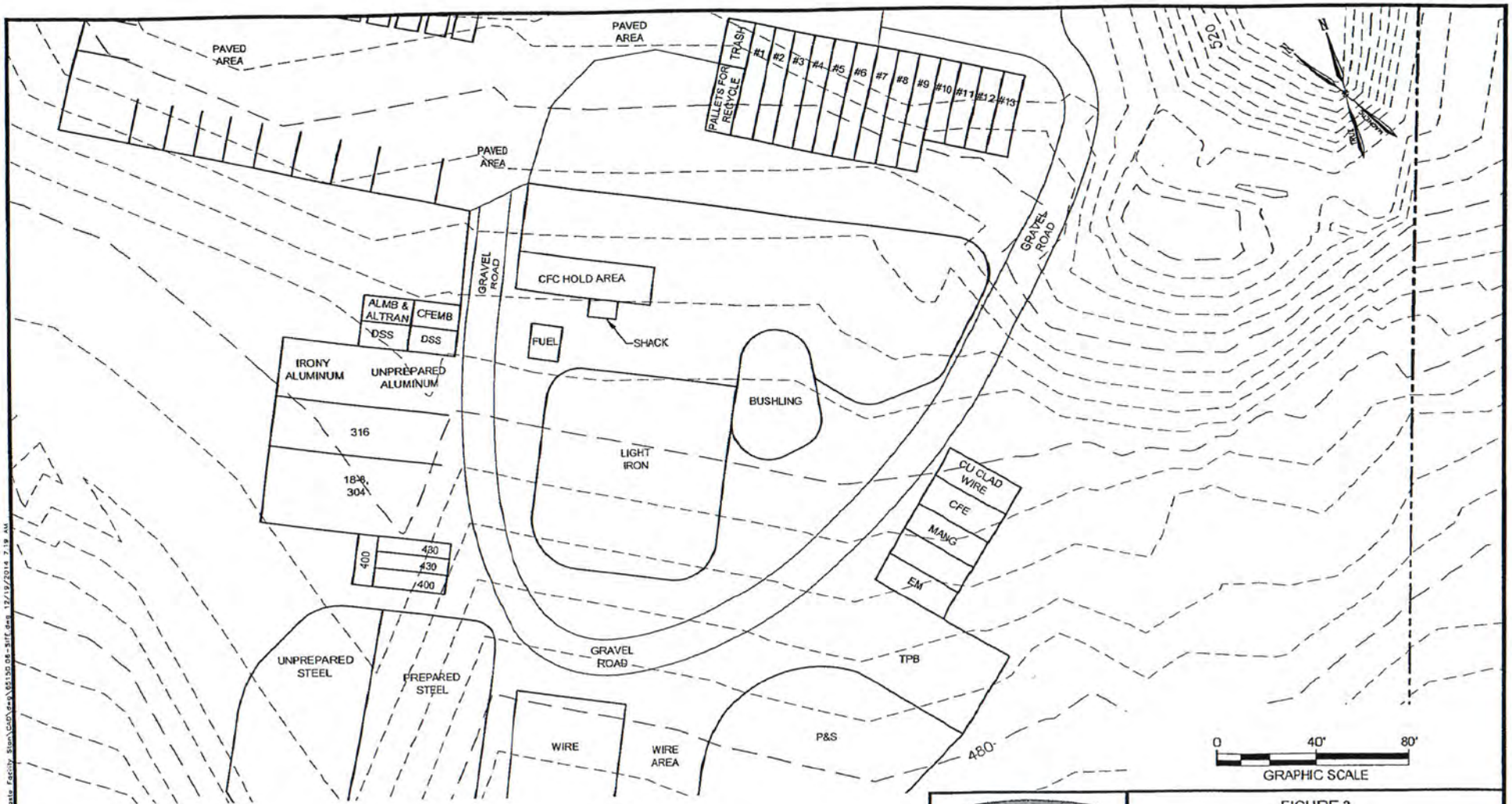
Client - Focused, Employee - Owned

FIGURE 2

INSET A
HARDING METALS, INC.
42 HARDING DRIVE
NORTHWOOD, NEW HAMPSHIRE

DRAWN BY:	AKP	CHECKED BY:	BV
PROJECT NO.	65150.06	DATE:	DECEMBER 2014

J:\65150.06 - Harding Metals Solid Waste Facility Sten\CAD\dwg\65150.06-SITE.dwg 12/19/2014 7:19 AM



NOTES

1. THIS PLAN WAS DEVELOPED FROM A SURVEY BY W.T. WORMWELL, LLS OF NORTHWOOD, NH, NORTHWOOD TAX MAPS, A STONE & WEBSTER ENVIRONMENTAL TECHNOLOGY SERVICES, INC. REPORT DATED DECEMBER 1996 AND SITE OBSERVATIONS BY NOBIS ENGINEERING, INC.
2. LOCATIONS OF SITE FEATURES PRESENTED HEREON ARE APPROXIMATE AND GIVEN FOR ILLUSTRATIVE PURPOSES ONLY.

LEGEND

PROPERTY LINE

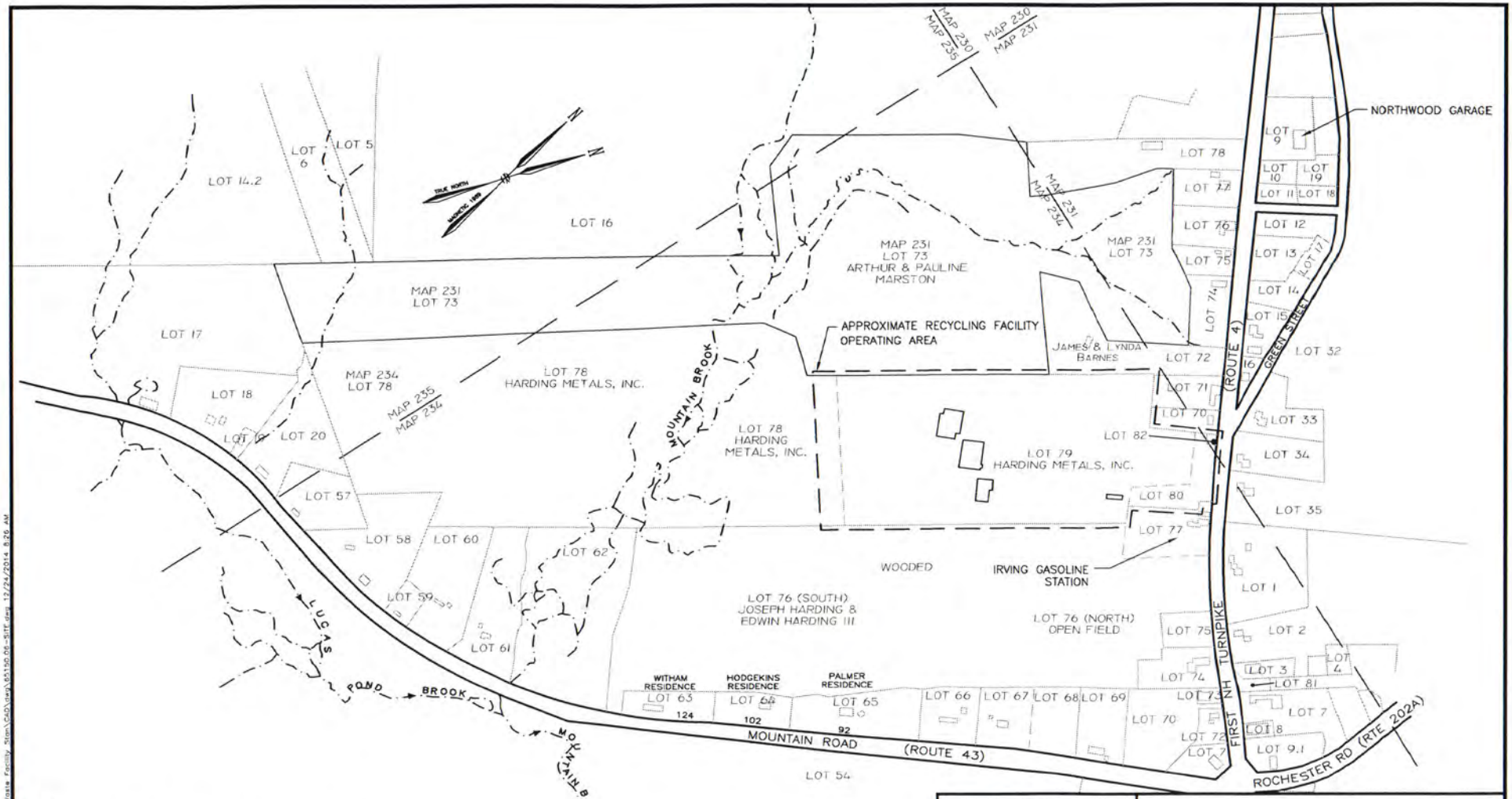
Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord, NH 03301
T(603) 224-4182
www.nobiseng.com
Client - Focused, Employee - Owned

FIGURE 3

INSET B
HARDING METALS, INC.
42 HARDING DRIVE
NORTHWOOD, NEW HAMPSHIRE

DRAWN BY:	AKP	CHECKED BY:	BV
PROJECT NO.	65150.06	DATE:	DECEMBER 2014

J:\65150.06 - Harding Metals Solid Waste Facility Stan\CAD\dwg\65150.06-SITE.dwg 12/19/2014 7:19 AM



NOTES

1. THIS PLAN WAS DEVELOPED FROM A SURVEY BY W.T. WORMWELL, LLS OF NORTHWOOD, NH, NORTHWOOD TAX MAPS, A STONE & WEBSTER ENVIRONMENTAL TECHNOLOGY SERVICES, INC. REPORT DATED DECEMBER 1996 AND SITE OBSERVATIONS BY NOBIS ENGINEERING, INC.
2. LOCATIONS OF SITE FEATURES PRESENTED HEREON ARE APPROXIMATE AND GIVEN FOR ILLUSTRATIVE PURPOSES ONLY.

0 400' 800'
GRAPHIC SCALE

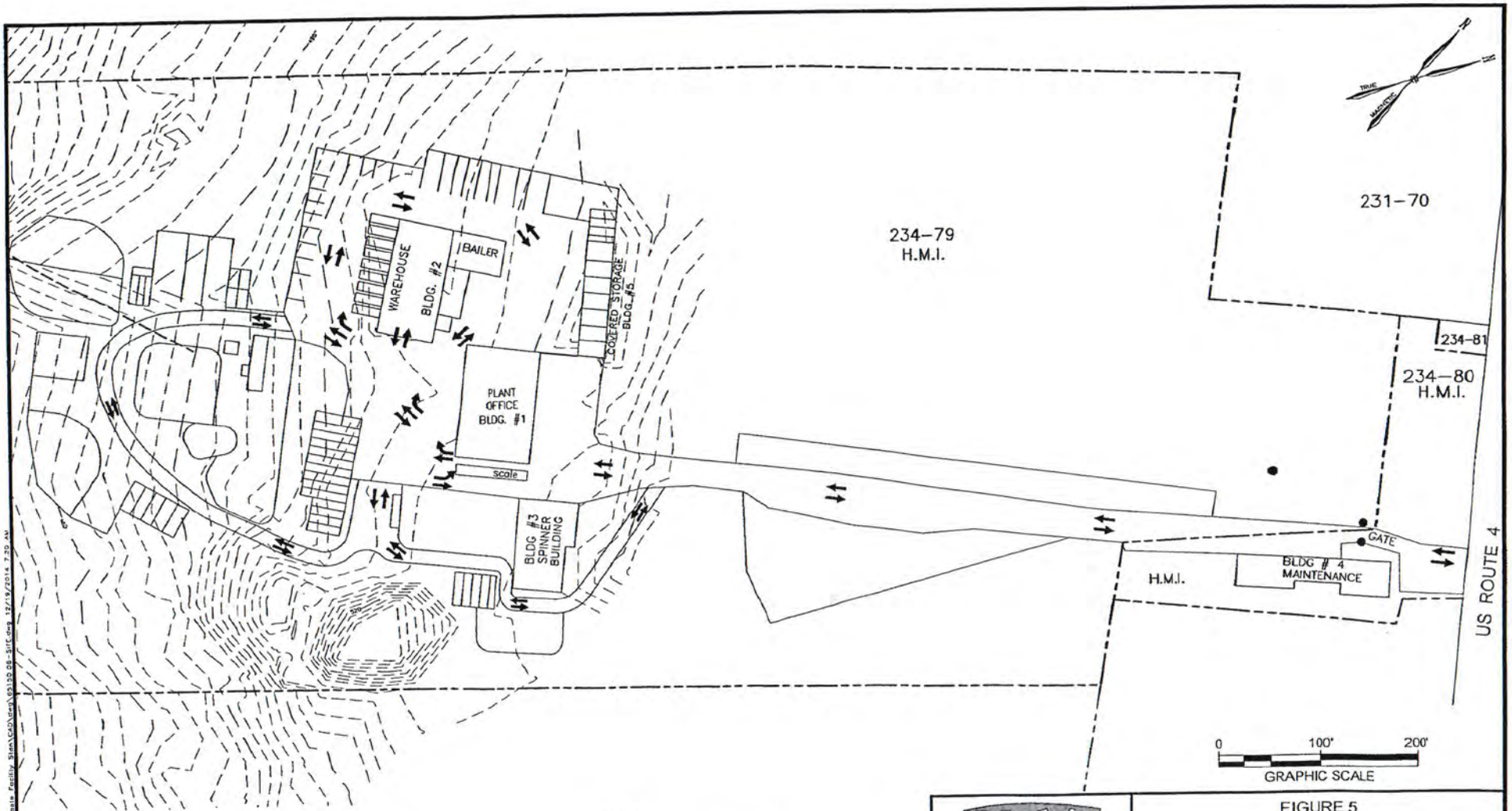
Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord, NH 03301
T(603) 224-4182
www.nobiseng.com
Client - Focused, Employee - Owned

FIGURE 4

SITE AREA AND LAND USE SKETCH
HARDING METALS, INC.
42 HARDING DRIVE
NORTHWOOD, NEW HAMPSHIRE

DRAWN BY:	AKP	CHECKED BY:	BV
PROJECT NO.	65150.06	DATE:	DECEMBER 2014

J:\65150.06 - Harding Metals Solid Waste Facility, Somi\CAD\dwg\65150.06-SITE.dwg 12/24/2014 8:26 AM



NOTES

1. THIS PLAN WAS DEVELOPED FROM A SURVEY BY W.T. WORMWELL, LLS OF NORTHWOOD, NH, NORTHWOOD TAX MAPS, A STONE & WEBSTER ENVIRONMENTAL TECHNOLOGY SERVICES, INC. REPORT DATED DECEMBER 1996 AND SITE OBSERVATIONS BY NOBIS ENGINEERING, INC.
2. LOCATIONS OF SITE FEATURES PRESENTED HEREON ARE APPROXIMATE AND GIVEN FOR ILLUSTRATIVE PURPOSES ONLY.

LEGEND

PROPERTY LINE

Nobis
Engineering a Sustainable Future
Nobis Engineering, Inc.
18 Chenell Drive
Concord, NH 03301
T(603) 224-4182
www.nobiseng.com
Client-Focused, Employee-Owned

FIGURE 5

TRAFFIC PATTERN EXHIBIT
HARDING METALS, INC.
42 HARDING DRIVE
NORTHWOOD, NEW HAMPSHIRE

DRAWN BY:	AKP	CHECKED BY:	BV
PROJECT NO.	65150.06	DATE:	DECEMBER 2014