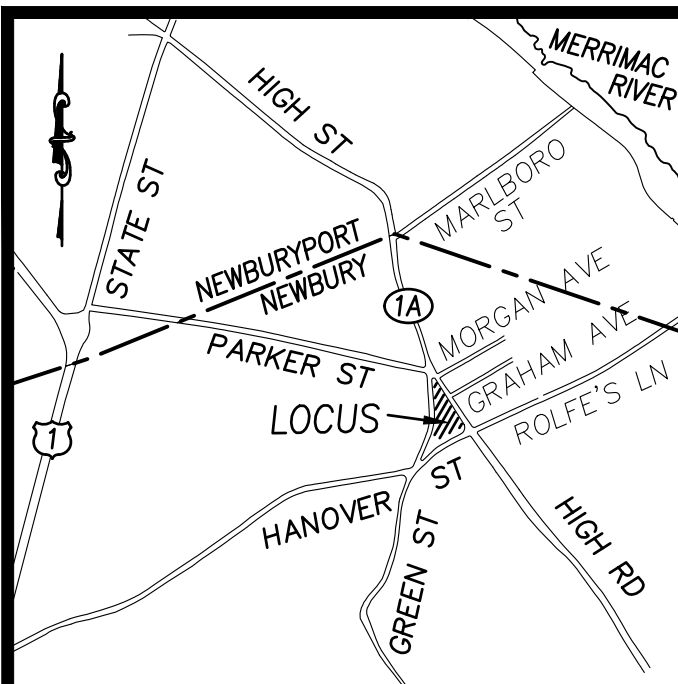


Newbury Upper Green

High Road, Green Street,
and Hanover Street
Newbury, MA



LOCUS MAP
1" = 2,000'

NOTES:

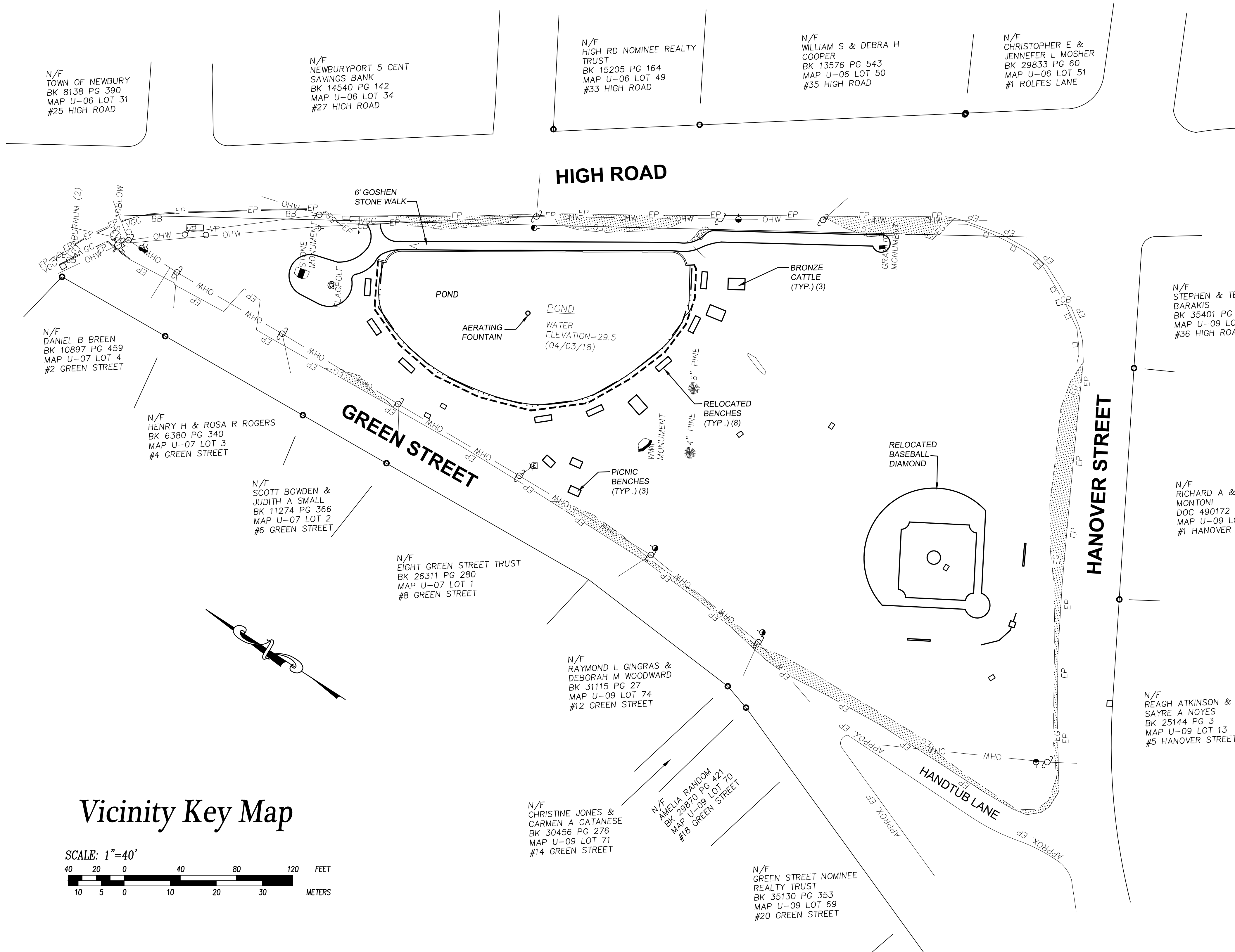
- REFER TO SHEET G1.20 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

SHEET INDEX

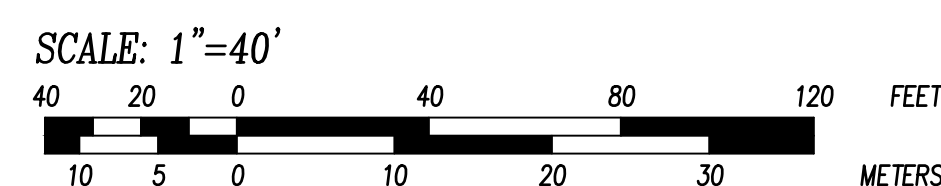
G1.10	TITLE SHEET
G1.20	LEGEND, ABBREVIATIONS, & GENERAL NOTES
V1.10.1.11	EXISTING CONDITIONS / SITE PREP.
V2.10.2.11	TREE REMOVAL AND RE-PLANTING PLAN
C1.10.1.11	SITE AND GRADING PLAN
L2.10.2.11	LANDSCAPE PLAN
C5.10	DETAILS

NOTES:

- REFER TO SHEET G1.20 FOR LEGEND, ABBREVIATIONS, PLAN REFERENCES AND GENERAL NOTES.



Vicinity Key Map



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Sheet Title:

Title Sheet

Project Title:

Newbury Upper Green
High Road, Green Street,
& Hanover Street
Newbury, MA 01951
Map U-09 Parcel 75

Owner:

Town of Newbury
12 Kent Way
Byfield, MA 01922

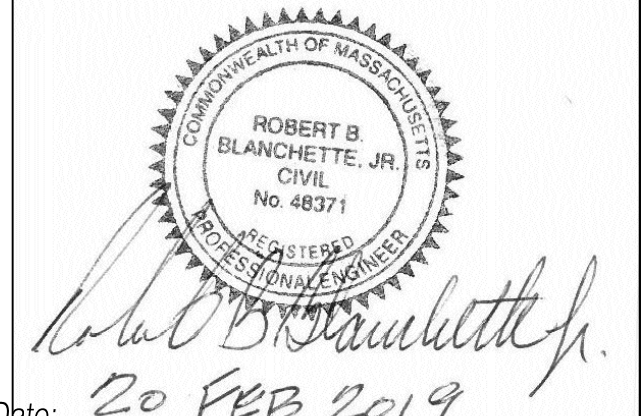
Applicant:

GreenER
c/o Dr. Keith Ablow
36 Water Street
Newburyport, MA 01950

REVISION

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FIELD: M. MICHAUD
DESIGN: E. FREDETTE
DRAWN: E. FREDETTE, J. SALVAGGIO
CHECKED: R. BLANCHETTE
DATE: 6-19-2018
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SHEET G1.10

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LEGEND

EXISTING

PROPOSED

	EXISTING CONTOURS		CONTOUR
	SPOT GRADE		SPOT GRADE
	WETLAND BOUNDARY		TREE (ZELKOVA SERRATA 'HALKA')
	WETLAND FLAG		SHRUB (HYDRANGEA MACROPHYLLA 'ENDLESS SUMMER')
	SIGN		EROSION CONTROL
	GUY WIRE		DETAIL CALL
	UTILITY POLE		TREE REMOVAL
	CATCH BASIN		
	FIRE HYDRANT		
	GAS VALVE		
	OVERHEAD WIRE		
	WOOD BACKSTOP		
	SHRUBS		
	DECIDUIOUS TREE		
	CONIFEROUS TREE		
	STUMP		
	VERTICAL GRANITE CURBING		
	BITUMINOUS BERM		
	EDGE OF PAVEMENT		
	EDGE OF GRAVEL		
	CONCRETE SURFACE		
	GRAVEL AREA		
	METAL GUARD RAIL, WOOD POSTS		
	ELECTRIC METER		
	VENT PIPE		
	FLAGPOLE		
	LIGHT POLE		
	UNDERGROUND ELECTRIC, TELEPHONE, CABLE.		
	IRON PIPE		
	IRON ROD		
	LANDSCAPED AREA		

ABBREVIATIONS

UTILITIES

RCP	REINFORCED CONCRETE PIPE
PVC	POLYVINYLCHLORIDE PIPE
C.I.	CAST IRON PIPE
COND	CONDUIT
D.I.	DUCTILE IRON PIPE
HYD.	HYDRANT
INV.	INVERT ELEVATION
UP	UTILITY POLE
TSV & B	TAPPING SLEEVE, VALVE AND BOX

GENERAL

PROP.	PROPOSED
MIN.	MINIMUM
MAX.	MAXIMUM
EXIST.	EXISTING
STA	STATION
GRAN.	GRANITE
DRIVE	DRIVEWAY
ELEV.	ELEVATION
N.T.S.	NOT TO SCALE
TYP.	TYPICAL
APPROX.	APPROXIMATE
CEM. CONC.	CEMENT CONCRETE
BIT. CONC.	BITUMINOUS CONCRETE
ROW	RIGHT OF WAY
CL	CENTERLINE
WALK	SIDEWALK
TBM	TEMPORARY BENCH MARK
SGE	SLOPED GRANITE EDGING
BAS	BASEMENT
TEC	TEMPORARY EROSION CONTROL

ROADWAY

H.P.	HIGH POINT
L.P.	LOW POINT
OD	OUTSIDE DIAMETER
ID	INSIDE DIAMETER
DIA. Ø	DIAMETER
R	RADIUS
TYP.	TYPICAL
L	LENGTH
DP.	DEPTH
EQ.	EQUIVALENT

ZONING DISTRICT

AGRICULTURAL-RESIDENTIAL

PLAN REFERENCES:

- 1.) PLAN OF ROAD IN NEWBURY ESSEX COUNTY LOCALLY KNOWN AS HIGH STREET LAID OUT AS A STATE HIGHWAY BY THE MASSACHUSETTS HIGHWAY COMMISSION DATED: SEPT. 21, 1899 SCALE: 40 FEET TO THE INCH LAYOUT NO. 419 SHEETS 1 & 2
- 2.) COUNTY OF ESSEX, MASSACHUSETTS PLAN OF HANOVER STREET IN THE TOWN OF NEWBURY AS RELOCATED PREPARED BY ROBERT R EVANS COUNTY ENGINEER DATED: AUGUST 1930 SCALE: 1" = 40' ESRD PLAN BOOK 58 PLAN 70 SHEET 4

GENERAL NOTES

1. ACCORDING TO THE TOWN ASSESSOR'S OFFICE, HIGH ROAD, HANOVER STREET, AND GREEN STREET ARE ANCIENT ROADS AND THE TOWN HAS NO RECORD OF THE RIGHT OF WAY WIDTHS.
2. THE RIGHT OF WAY LINE SHOWN ALONG HIGH ROAD IS TAKEN FROM PLAN REFERENCE 1. HANOVER STREET'S LAYOUT, PLAN REFERENCE 2, DOES NOT DESCRIBE THE NORTHWEST SIDELINE OF THE RIGHT OF WAY. NO LAYOUT HAS BEEN FOUND FOR GREEN STREET.
3. THIS PLAN DOES NOT SHOW ANY UNDERGROUND UTILITIES. UTILITIES HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE APPLICANT OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UTILITIES.
4. CONTRACTOR MUST CALL DIGSAFE TO COORDINATE UTILITY LOCATION PRIOR TO THE COMMENCEMENT OF ANY WORK.
5. VERTICAL DATUM NAVD 1988.
6. FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 250096 0136 G EFFECTIVE DATE: JULY 16, 2014. LOCUS IS IN A ZONE X.
7. EXISTING CONDITIONS DEPICTED FROM AN APRIL 3, 2018 ON THE GROUND SURVEY.
8. WETLANDS DELINEATED BY NORSE ENVIRONMENTAL SERVICES, INC. IN APRIL 2018.
9. OWNERS OF ABUTTING PROPERTIES ARE SHOWN ACCORDING TO THE MOST RECENT ASSESSOR'S INFORMATION.

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Sheet Title:
**Legend,
Abbreviations,
& General Notes**

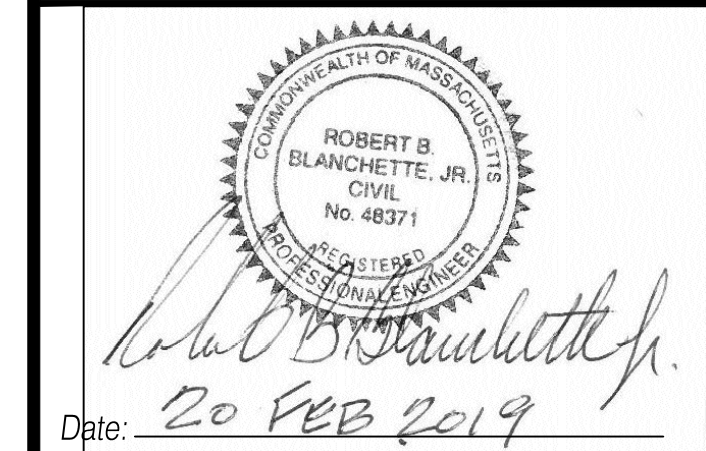
Project Title:
**Newbury
Upper Green**
High Road, Green Street,
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Newbury, MA 01951
Map U-09 Parcel 75

Owner:
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Byfield, MA 01922

Applicant:
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c/o Dr. Keith Ablow
36 Water Street
Newburyport, MA 01950

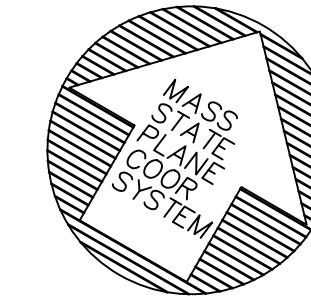
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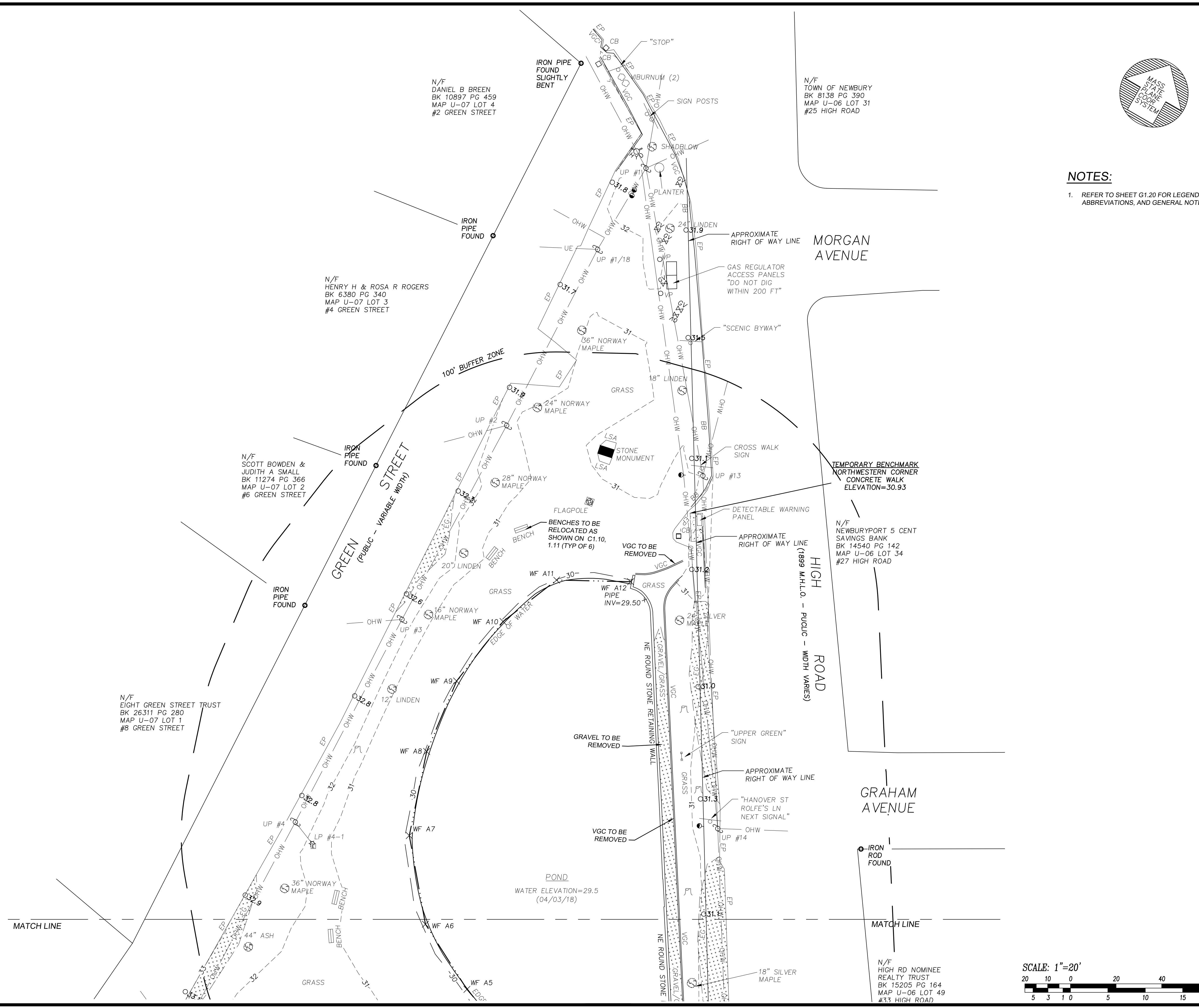


PROJ. MGR.: R. BLANCHETTE
FIELD: M. MICHAUD
DESIGN: E. FREDETTE
DRAWN: E. FREDETTE, J. SALVAGGIO
CHECKED: R. BLANCHETTE
DATE: 6-19-2018
FILE: 18012 G.DWG
FBK:
JOB #: 18012

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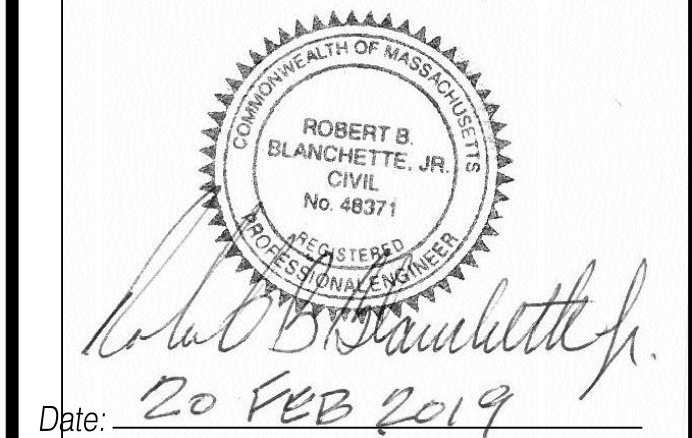
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Existing Conditions / Site Prep.
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Newbury Upper Green
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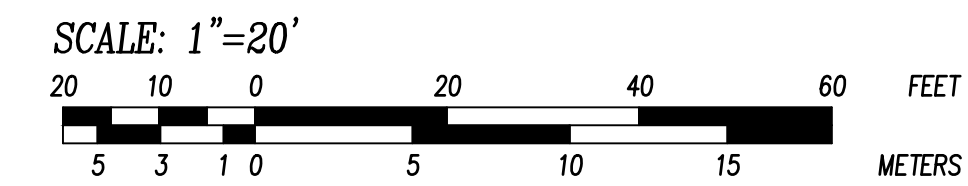
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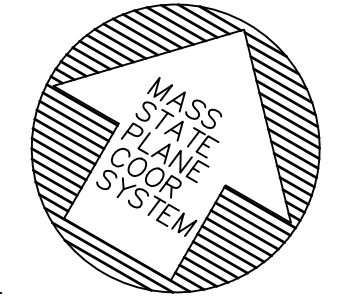
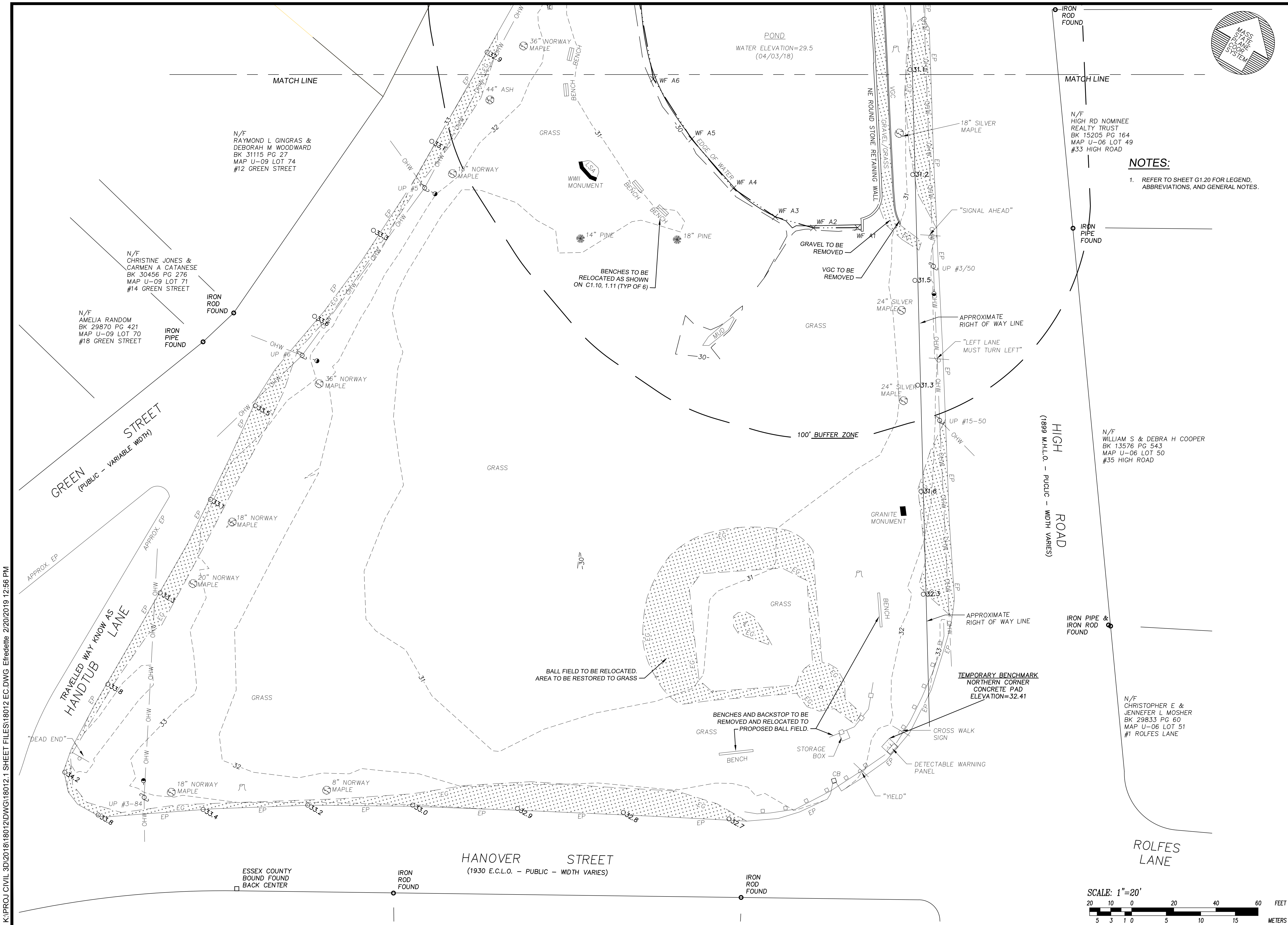
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FIELD: M. MICHAUD
DESIGN: J. SALVAGGIO
DRAWN: J. SALVAGGIO
CHECKED: R. BLANCHETTE
DATE: 6-19-2018
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SHEET VI.10



NOTES:
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 Map U-09 Parcel 75

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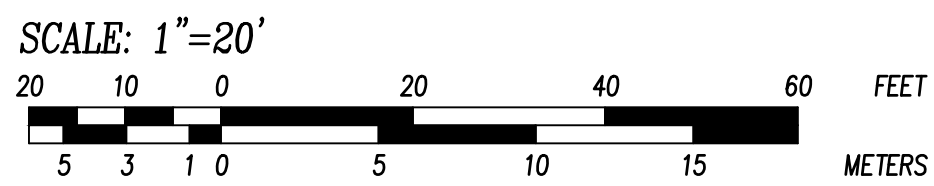
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Date: *20 FEB 2019*

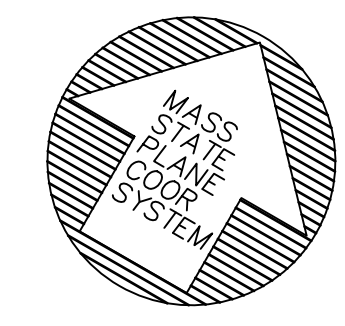
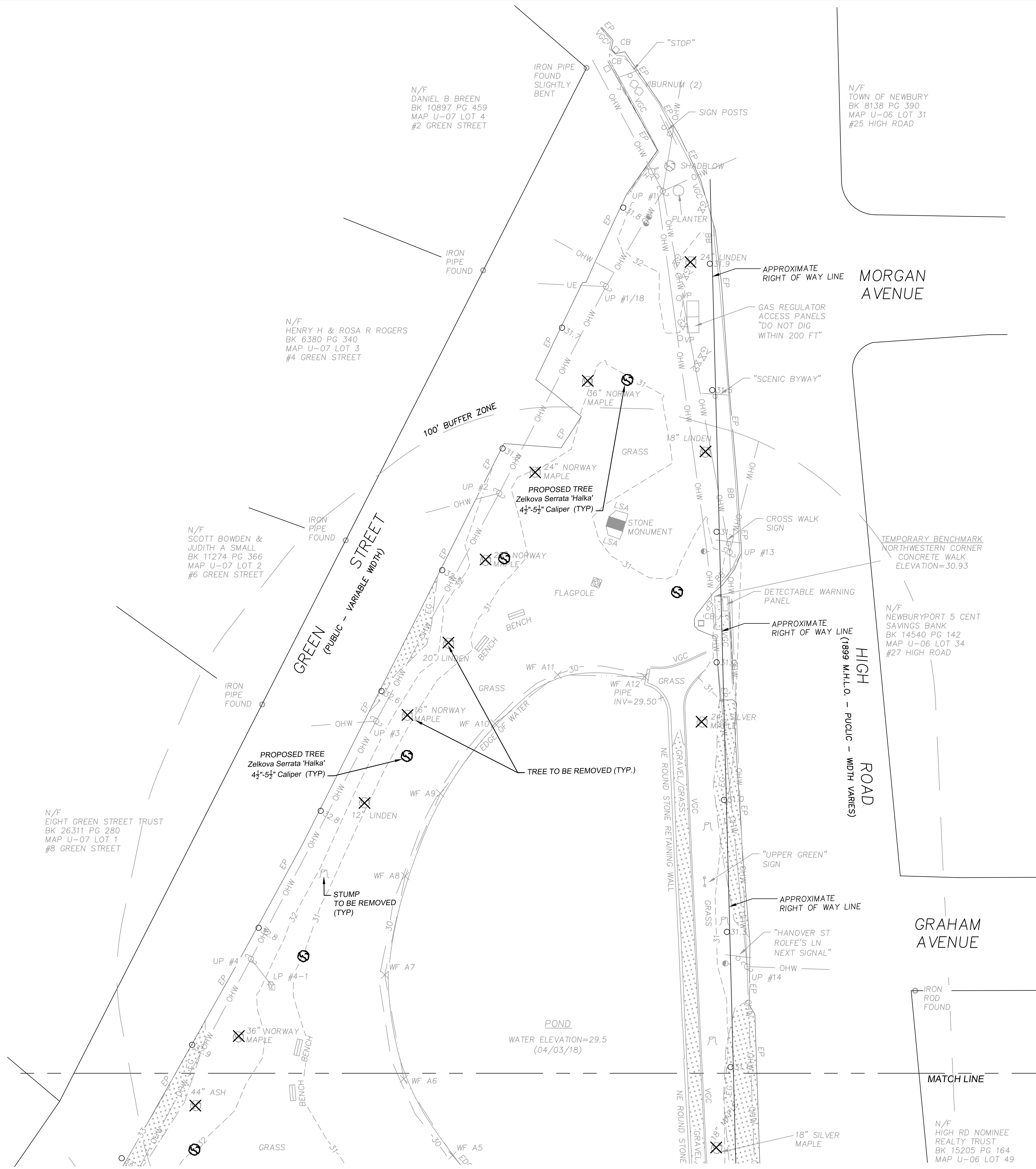
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 DESIGN: J. SALVAGGIO
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- NOTES:**
- REFER TO SHEET G1.20 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
 - ALL EXISTING STUMPS TO BE REMOVED.

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Sheet Title:
**Tree Removal &
 Replanting Plan**

Project Title:
**Newbury
 Upper Green**
 High Road, Green Street,
 & Hanover Street
 Newbury, MA 01951
 Map U-09 Parcel 75

Owner:
Town of Newbury
 12 Kent Way
 Byfield, MA 01922

Applicant:
GreenER
 c/o Dr. Keith Ablow
 36 Water Street
 Newburyport, MA 01950

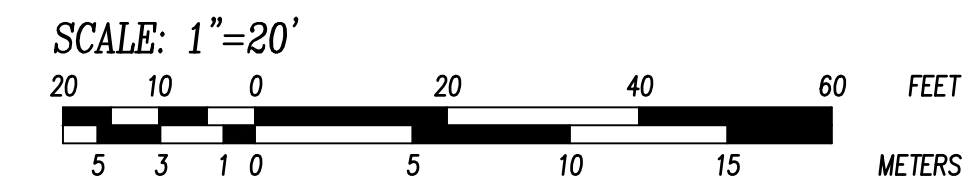
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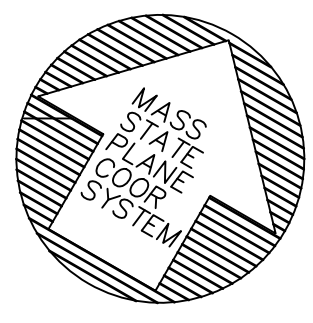
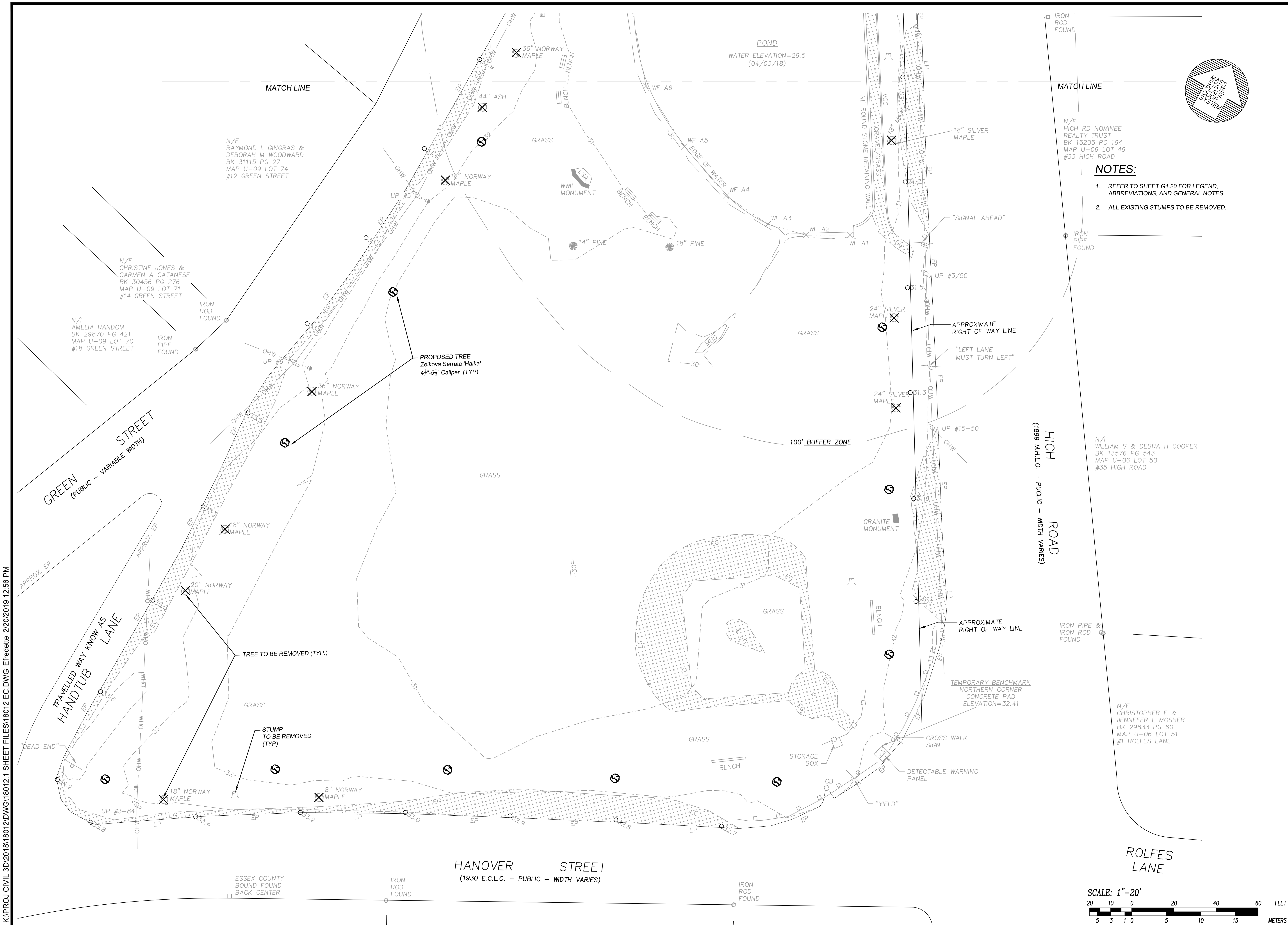
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PROFESSIONAL SEAL OF MASSACHUSETTS
 ROBERT B. BLANCHETTE, JR.
 CIVIL
 No. 48371
 REGISTERED PROFESSIONAL ENGINEER

Date: *20 FEB 2019*

PROJ. MGR.: R. BLANCHETTE
 FIELD: M. MICAUD
 DESIGN: E. FREDETTE
 DRAWN: E. FREDETTE, J. SALVAGGIO
 CHECKED: R. BLANCHETTE
 DATE: 6-19-2018
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N/F HIGH RD NOMINEE REALTY TRUST
BK 15205 PG 164
MAP U-06 LOT 49
#33 HIGH ROAD

NOTES:

1. REFER TO SHEET G1.20 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
2. ALL EXISTING STUMPS TO BE REMOVED.

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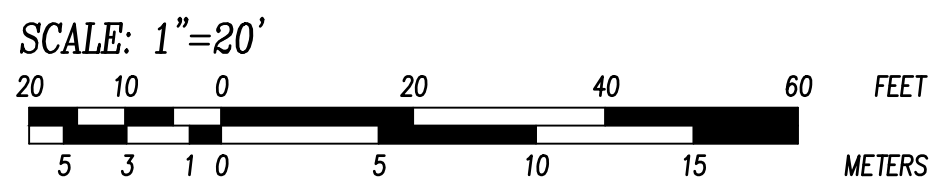
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No. 48371

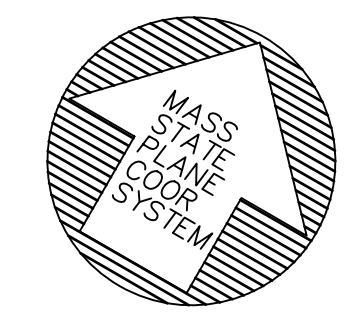
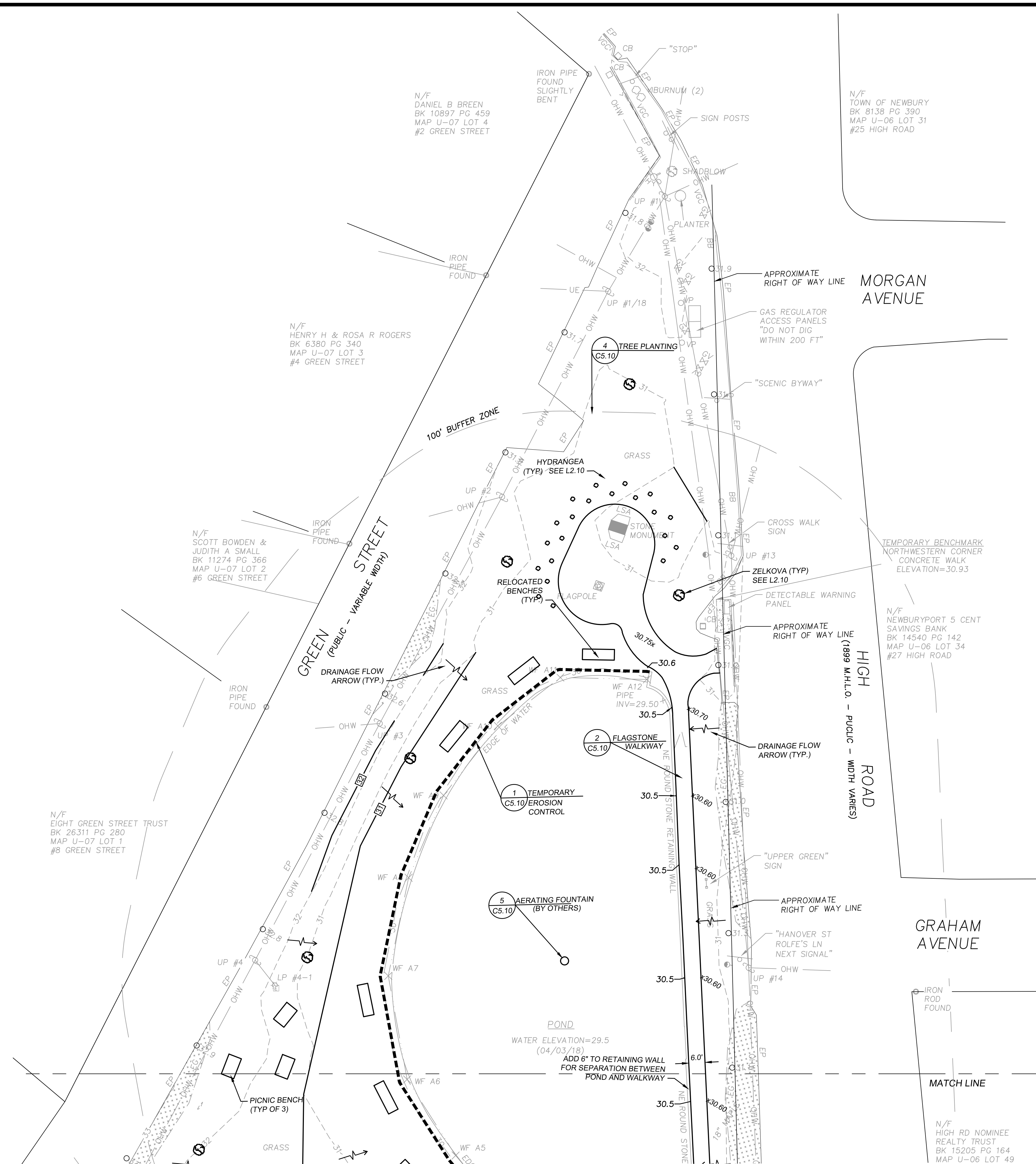
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Sheet Title:
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Project Title:
Newbury Upper Green
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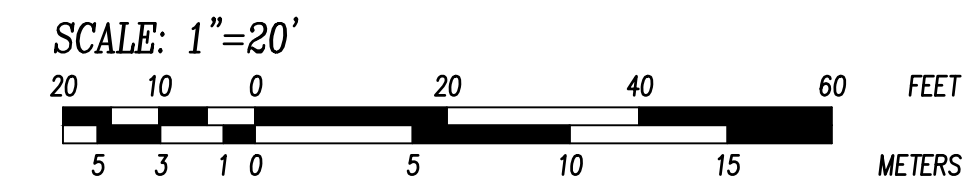
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 ROBERT B. BLANCHETTE, JR.
 CIVIL
 No. 48371

Robert B. Blanchette, Jr.

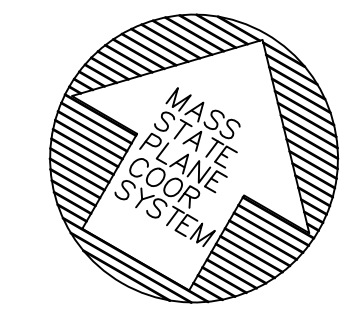
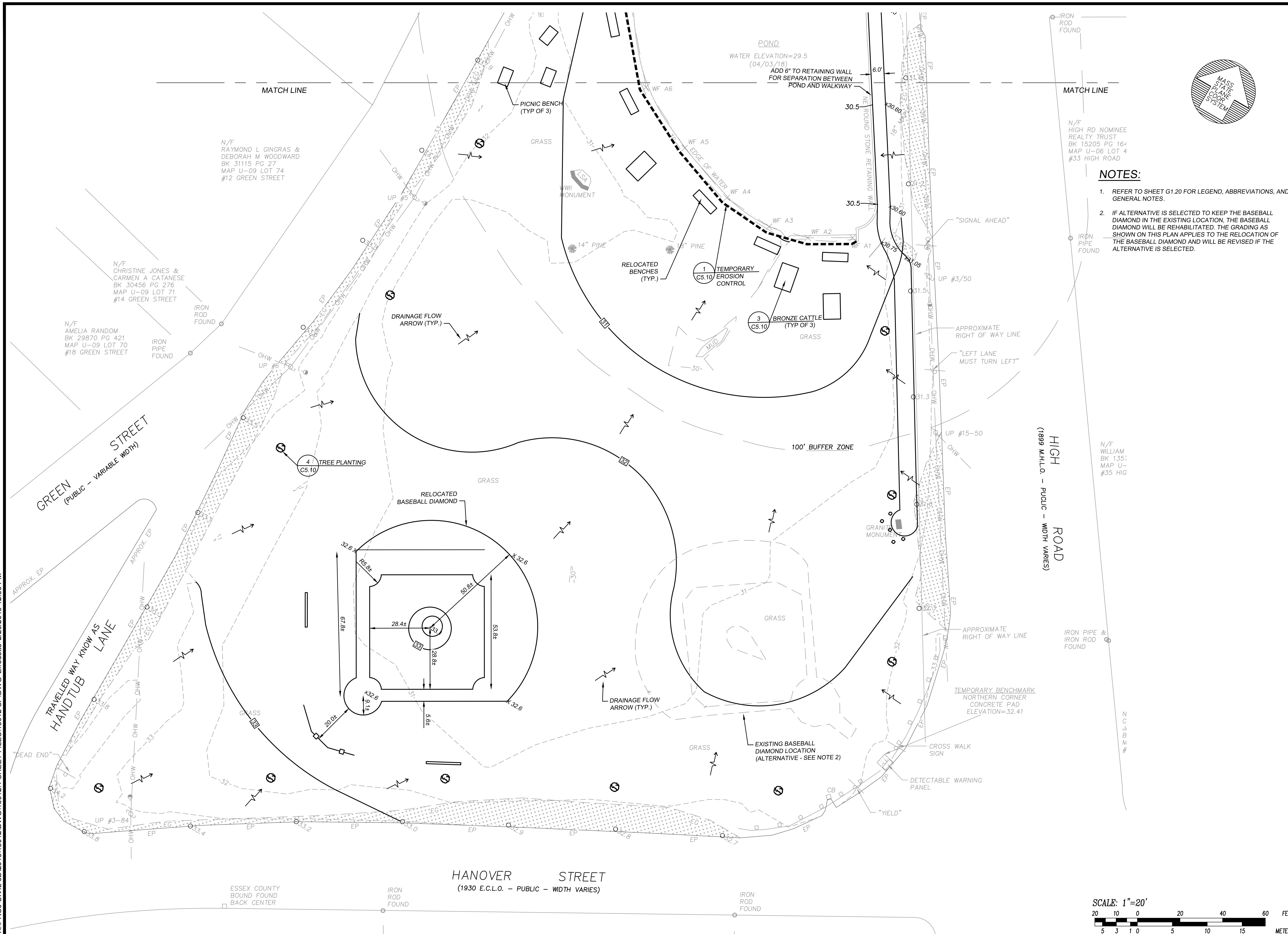
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N/F HIGH RD NOMINEE REALTY TRUST
BK 15205 PG 164
MAP U-08 LOT 4
#33 HIGH ROAD

- NOTES:**
- REFER TO SHEET G1.20 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.
 - IF ALTERNATIVE IS SELECTED TO KEEP THE BASEBALL DIAMOND IN THE EXISTING LOCATION, THE BASEBALL DIAMOND WILL BE REHABILITATED. THE GRADING AS SHOWN ON THIS PLAN APPLIES TO THE RELOCATION OF THE BASEBALL DIAMOND AND WILL BE REVISED IF THE ALTERNATIVE IS SELECTED.

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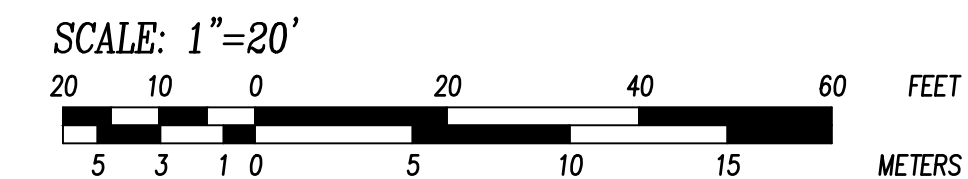
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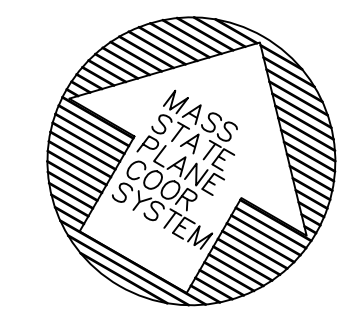
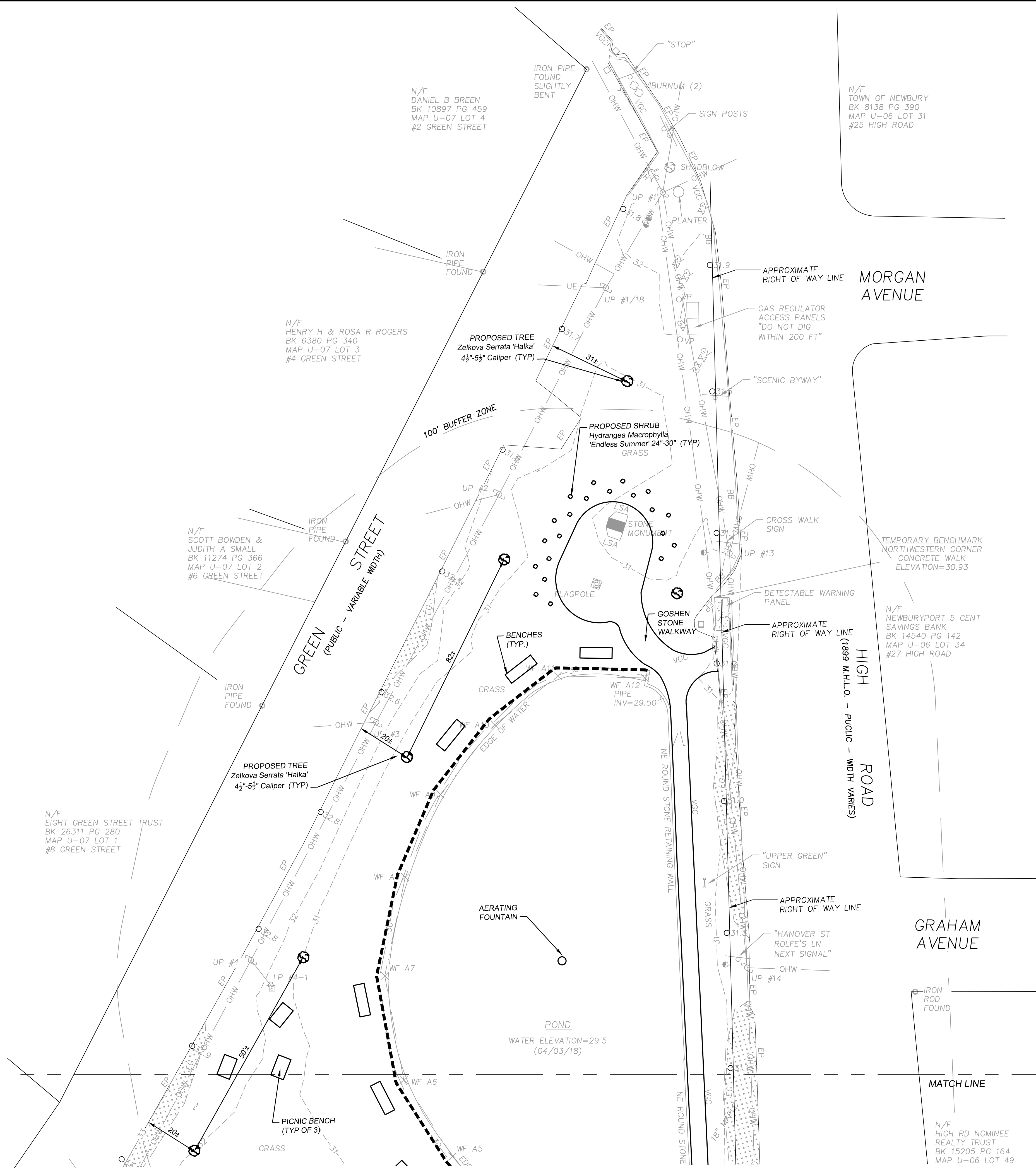
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NOTES:
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Sheet Title:
Landscaping Plan

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 Map U-09 Parcel 75

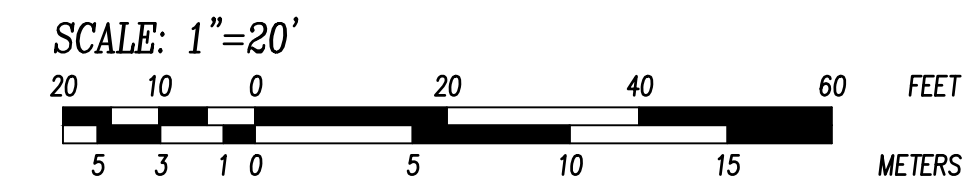
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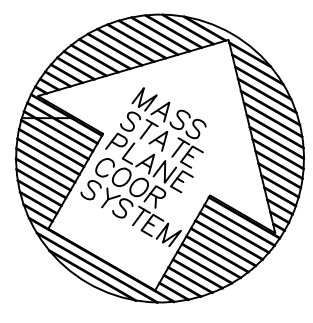
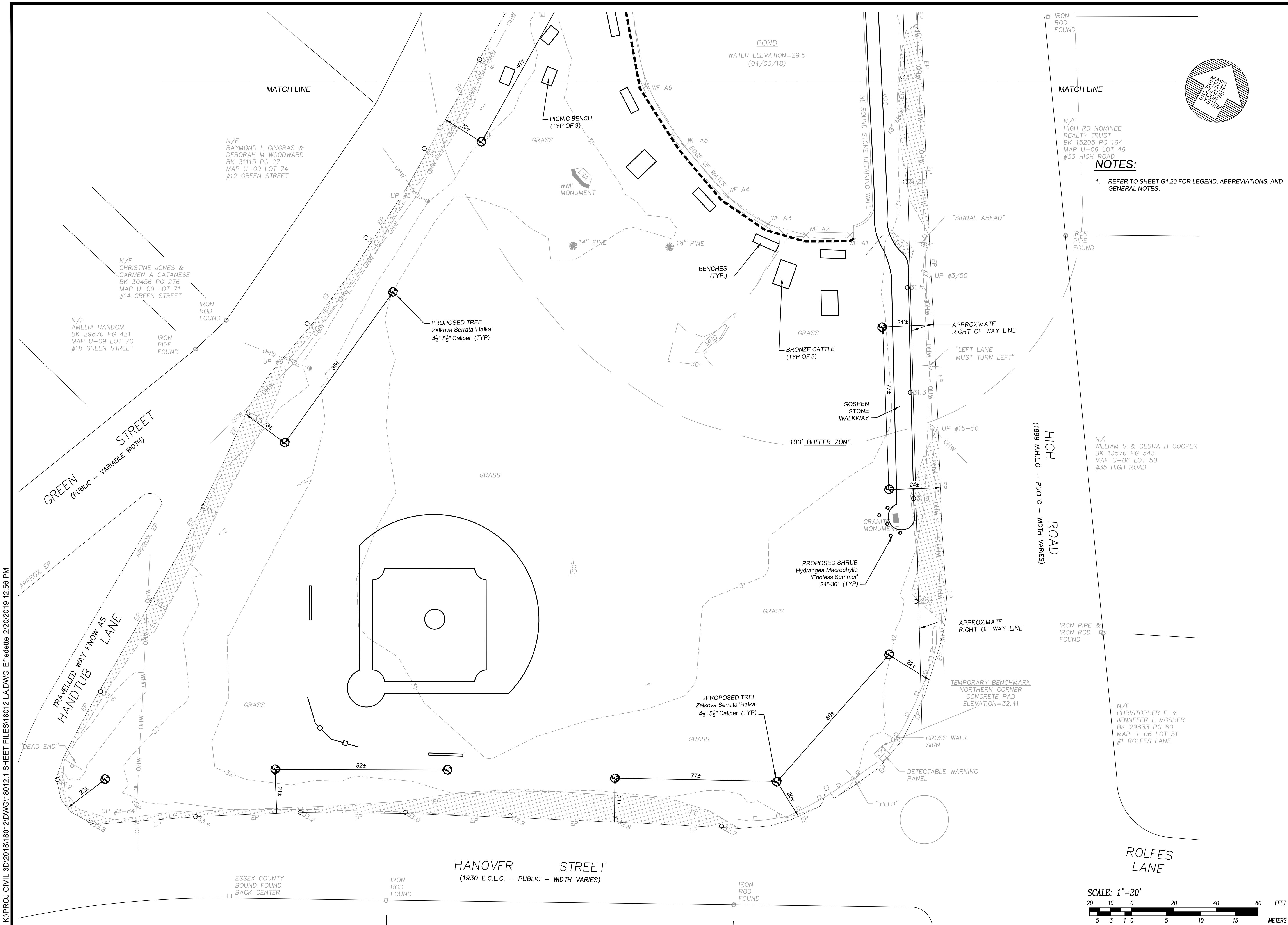
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 FIELD: _____
 DESIGN: V. FISHER
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SHEET L2.10



NOTES:
1. REFER TO SHEET G1.20 FOR LEGEND, ABBREVIATIONS, AND GENERAL NOTES.

FOR REGISTRY USE ONLY

Sheet Title:
Landscaping Plan

Project Title:
Newbury Upper Green
High Road, Green Street,
& Hanover Street
Newbury, MA 01951
Map U-09 Parcel 75

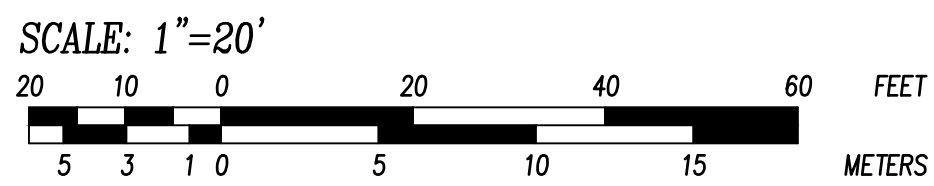
Owner:
Town of Newbury
12 Kent Way
Byfield, MA 01922

Applicant:
GreenER
c/o Dr. Keith Ablow
36 Water Street
Newburyport, MA 01950

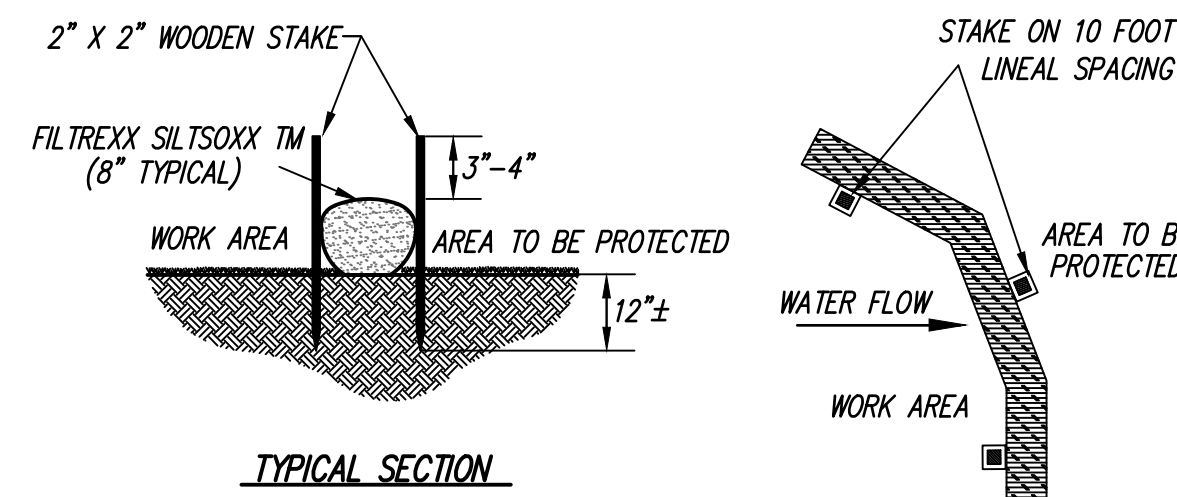
REVISION			
NO.	DATE	DESCRIPTION	BY
A	02.20.19	REVS PER PB/BOS	EFC

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Date: _____
PROJ. MGR.: V. FISHER
FIELD: _____
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CHECKED: _____
DATE: _____
FILE: 18012 LA.DWG
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JOB #: 18012

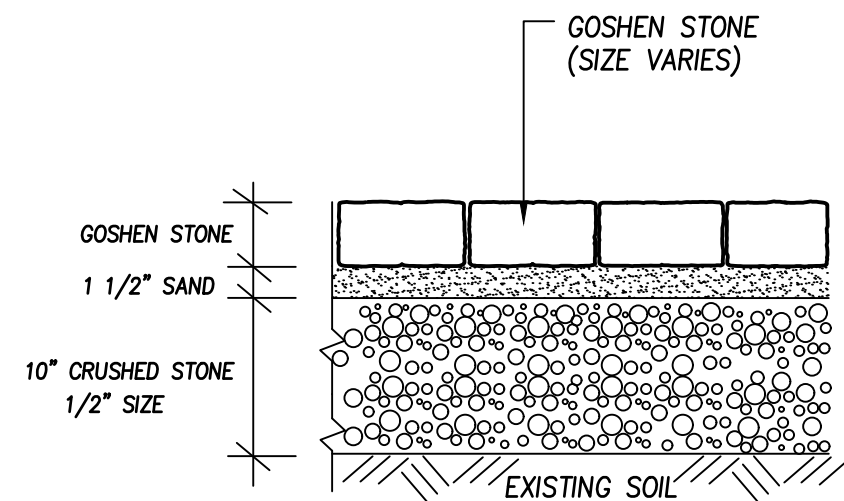


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- NOTES:**
1. ALL MATERIALS TO MEET FILTREXX SPECIFICATIONS.
 2. SILTSSOXX TM COMPOST/SOIL/ROCK/FEED FILL TO MEET APPLICATION REQUIREMENTS.
 3. SILTSSOXX TM DEPICTED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE LARGER SOCKS.
 4. COMPOST MATERIAL TO BE DISPERSED ON SITE.

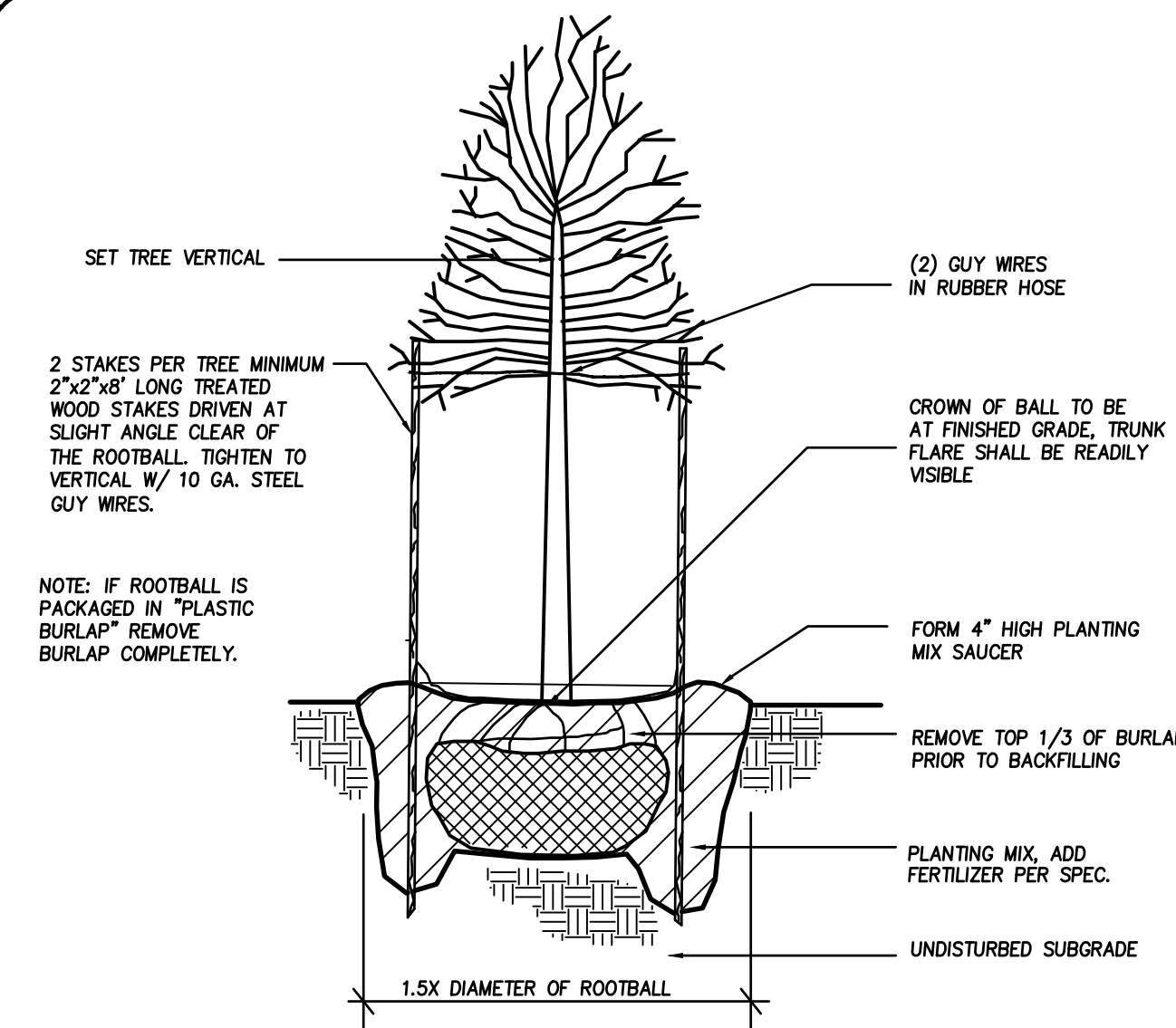
1 TEMPORARY EROSION CONTROL DETAIL
NOT TO SCALE



2 GOSHEN STONE WALK
NOT TO SCALE



3 BRONZE CATTLE SCULPTURE
NOT TO SCALE BY OTHERS

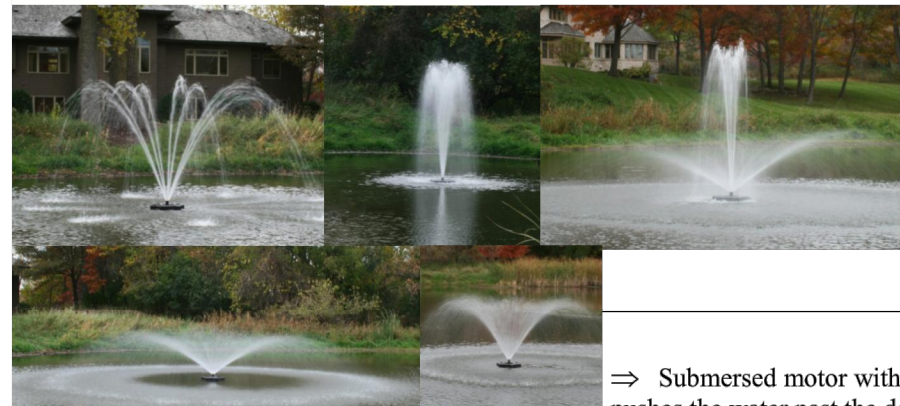


- NOTES:**
1. ALL PLANTS SHALL BE PLACED IN POSITION OR STAKED-OUT FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO DIGGING.
 2. ALL PLANTS TO BE KEPT WATERED DURING PLANTING OPERATIONS.
 3. LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR PROVIDING LOAM, FINE GRADING, PLANTING, MULCHING, AND CLEAN-UP OF ALL PLANTING AREA.
 4. PLANT MIX BACKFILL SHALL BE AS FOLLOWS
THREE (3) PARTS APPROVED LOAM OR TOPSOIL
ONE (1) PART LEAF MOLD OR HUMUS.
 5. APPLY "LESCO" ORGANIC FERTILIZER (14-28-6) OR EQUAL TO EACH PLANT PER MANUFACTURER'S DIRECTIONS.
 6. ALL TREES TO BE DOUBLE STAKED OR GUYED PER DETAILS.
 7. SPREAD 3" SHREDDED BARK MULCH ON ALL PLANTING AREAS.
 8. ALL AREAS NOT OTHERWISE SURFACED, TO BE LOAMED AND SEEDED.

4 DECIDUOUS TREE PLANTING
NOT TO SCALE BY OTHERS



4400JF & 4400HJF
Aerating Fountain
1HP, 120 or 240V, Single Phase



- Includes all 5 Patterns
Patterns (Upper L to R)
Cypress—7.5'H x 25'W
Sequoia—10'H x 6'W
Linden—8'H x 25'W
Patterns (Lower L to R)
Juniper—4'H x 27'W
Willow—6'H x 23'W

Operation

- ⇒ Submersed motor with top intake draws water into the fountain housing and pushes the water past the deflector nozzle and into the air.
- ⇒ Individual water droplets absorb oxygen from the atmosphere and return to the body of water transferring oxygen from the air and into the water.
- ⇒ Moving water mixes and agitates the water, spreading oxygenated water throughout the body of water.
- ⇒ Single propeller and deflector nozzle design allows for greater water flow with a lower likelihood of clogging.
- ⇒ Thermoplastic bottom screen helps protect the motor from clogging.

Quick Facts

- ⇒ Available in 120 or 240V Options
- ⇒ Complete Package includes Assembled Motor Unit, Power Control Panel, UV Resistant High Density Thermoplastic Float, Two 50' Braided Nylon Mooring Lines, SJTOW Rated 3 Wire Power Cable, and 5 Glass Filled UV Resistant Thermoplastic Deflector Nozzles
- ⇒ Operates in 19" (49cm) of Water
- ⇒ Total Component Listed by ETL to meet UL and CSA Standards for Safety in Water
- ⇒ Sacrificial Zinc Anode Installed for Corrosion Protection and use in Salt Water Applications
- ⇒ Series 300 Austenitic Stainless Steel Construction of Exposed Metal; Salt Water Compatible
- ⇒ 2 Year Warranty
- ⇒ UPS Shippable
- ⇒ Power Cable Potted Quick Disconnect on 12 Gauge and Larger Cord Options with Stainless Steel Strain Relief
- ⇒ Optional Bronze Halogen Lighting or LED Lighting Available
- ⇒ Energy Efficient with Excellent GPM/kW Rates
- ⇒ Industrial Strength Design
- ⇒ Top Intake for Shallow Water Operation
- ⇒ Bottom Screen included

Features

- | | |
|---|--|
| <p>Motor Unit</p> <ul style="list-style-type: none"> ⇒ 1HP, 120 or 240V, Single Phase ⇒ 1750 RPM Motor ⇒ Oil Cooled, Continuous Duty Rated ⇒ Double Bearing ⇒ Thermal Overload Protection ⇒ Fully Utilized Heavy Duty Carbon Ceramic Mechanical Seal ⇒ Series 300 Austenitic Stainless Housing with Engineering Grade Thermoplastic Top | <p>Float</p> <ul style="list-style-type: none"> ⇒ U.V. Resistant High Density Thermoplastic ⇒ Closed Cell Foam Filled ⇒ Single Piece Float ⇒ Series 300 Stainless Steel Hardware ⇒ Engineering Grade Thermoplastic Bottom Screen with Stainless Steel Hardware ⇒ Two 50' Braided Nylon Mooring Ropes |
| <p>Power Cable</p> <ul style="list-style-type: none"> ⇒ SJTOW UL, CSA, & NEC Approved Underwater Rated Cable ⇒ 3 Wire ⇒ Available in 50', 100', 150', and 200' (250', 300, 400', & 500' (special order) in 240V) Options (Cord Gauges depend on length and voltage) ⇒ Potted Quick Disconnect and Stainless Steel Strain Relief Standard on 12 Gauge and Larger Cords ⇒ 6" Flex Sleeve Protection | <p>Control Panel</p> <ul style="list-style-type: none"> ⇒ U.L. Listed per N.E.C. ⇒ 15 Amp Class A Human Rated GFCI Outlets (120V) ⇒ 20 Amp Class A Human Rated GFCB (240V) ⇒ Surge Protector (240V) ⇒ GFI Outlet (120V) or Terminal Block (240V) ⇒ Photo Cell for Light Kit (120V) or Timer (240V) ⇒ NEMA Type 3r/4x Nonmetallic Enclosure ⇒ 24 Hour Mechanical Timer |
| <p>Optional Lights</p> <ul style="list-style-type: none"> ⇒ 2 or 3 ETL Approved Bronze, Halogen 75W, MR-16 Fixtures with thermal overload protection ⇒ 3 Light LED, Sealed Fixtures with Quick Connect Splitter and No Bulb Changing | <p>Fountain Components</p> <ul style="list-style-type: none"> ⇒ UV Resistant Engineered Thermoplastic Impeller ⇒ UV Resistant Thermoplastic Housing with Series 300 Stainless Steel Hardware ⇒ 5 UV Resistant Glass Filled Thermoplastic Deflectors with Series 300 Stainless Steel Hardware ⇒ Less than 5 Minute Nozzle Replacement |

5 AERATING FOUNTAIN
NOT TO SCALE BY OTHERS

Kasco 4400JF & 4400HJF Specifications

Model #	HP	Cord Length	Cord Gauge*	Voltage/Phase/Hz	Running Amps	Lock Rotor Amps	Sugg. Pond Size (SA)**	Min. Depth of Operation	Shipping Weight	Number of Boxes
4400JF050	1	50'	16/3	120/1/60	11	40	Up to 1/2	19"	72 Lbs.	2
4400JF100	1	100'	14/3	120/1/60	11	40	Up to 1/2	19"	84 Lbs.	2
4400JF150	1	150'	12/3	120/1/60	11	40	Up to 1/2	19"	105 Lbs.	3
4400JF200	1	200'	12/3	120/1/60	11	40	Up to 1/2	19"	116 Lbs.	3
4400HJF050	1	50'	14/3	240/1/60	5.5	20	Up to 1/2	19"	87 Lbs.	3
4400HJF100	1	100'	14/3	240/1/60	5.5	20	Up to 1/2	19"	94 Lbs.	3
4400HJF150	1	150'	12/3	240/1/60	5.5	20	Up to 1/2	19"	106 Lbs.	4
4400HJF200	1	200'	12/3	240/1/60	5.5	20	Up to 1/2	19"	112 Lbs.	4
4400HJF250	1	250'	12/3	240/1/60	5.5	20	Up to 1/2	19"	120 Lbs.	4
4400HJF300	1	300'	12/3	240/1/60	5.5	20	Up to 1/2	19"	127 lbs.	4
4400HJF400	1	400'	12/3	240/1/60	5.5	20	Up to 1/2	19"	141 lbs.	4

* 12 & 10AWG cords include potted quick disconnect and stainless steel strain relief.
** Surface acreage (SA) is determined by multiplying length x width of the pond. The actual shape, depth, and oxygen demand should be considered when selecting a unit size.

Kasco Optional Lighting Package Specifications

Model #	Cord Length	Number of Fixtures	Voltage/Phase/Hz	Wattage Per Fixture	Total Wattage	Lens Position	Shipping Weight	Number of Boxes
LR375050	50'	3	120/1/60	75	225	Above Water	20 Lbs.	1
LR375100	100'	3	120/1/60	75	225	Above Water	24 Lbs.	1
LR375150	150'	3	120/1/60	75	225	Above Water	28 Lbs.	1
LR375200	200'	3	120/1/60	75	225	Above Water	31 Lbs.	1
LR375250	250'	3	120/1/60	75	225	Above Water	35 Lbs.	1
LR375300	300'	3	120/1/60	75	225	Above Water	38 lbs.	1
LR375400	400'	3	120/1/60	75	225	Above Water	56 lbs.	1
LED3125050	50'	3	120/1/60	9	27	Above Water	9 Lbs.	1
LED3125100	100'	3	120/1/60	9	27	Above Water	13 Lbs.	1
LED3125150	150'	3	120/1/60	9	27	Above Water	16 Lbs.	1
LED3125200	200'	3	120/1/60	9	27	Above Water	20 Lbs.	1
LED3125250	250'	3	120/1/60	9	27	Above Water	23 Lbs.	1
LED3125300	300'	3	120/1/60	9	27	Above Water	29 Lbs.	1
LED3125400	400'	3	120/1/60	9	27	Above Water	34 Lbs.	1

LR Light Kits include a built in, remote Low Voltage Transformer.

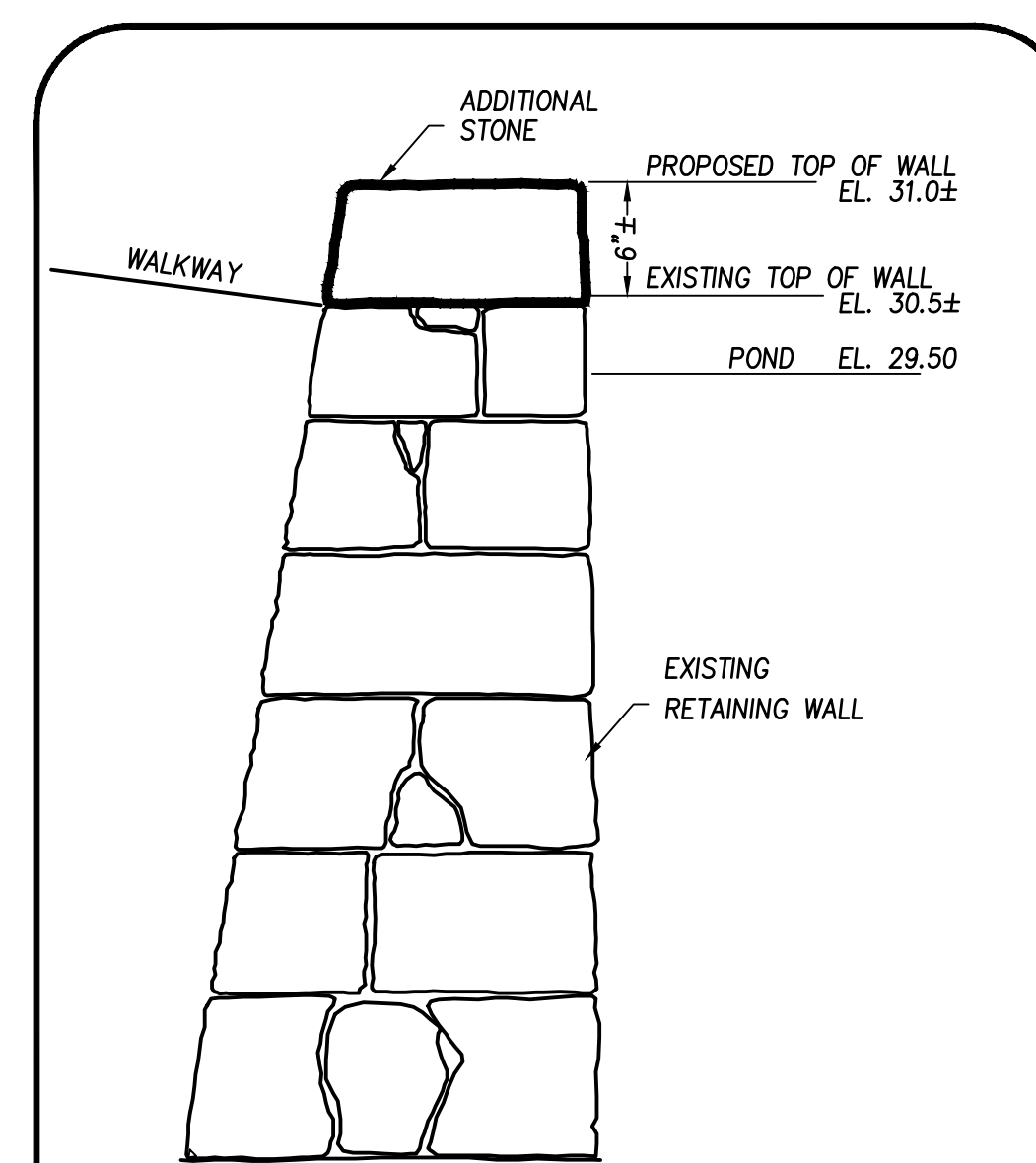
LED Light Kits include drivers in each fixture.

Each unit includes an Owners Manual with specific steps to assemble, install, and operate the equipment properly.

The motor unit attaches using stainless steel hardware. Single section, U.V. resistant, high density thermoplastic float. Bottom screen to protect the unit from debris.

Each unit includes a UL Approved Control Panel complete with Class A Human Rated GFCI Protection, 24 Hour Mechanical Timer, and Photo Eye (120V) or Timer (240V) for Optional Light Kit. NEMA Type 3r nonmetallic enclosure.

Rev 1/15/13



6 STONE RETAINING WALL
N.T.S.

FOR REGISTRY USE ONLY



297 ELM STREET, AMESBURY, MA.
Phone: (978) 388-2157
CONSULTING ENGINEERS &
LAND SURVEYORS SINCE 1975
gm2inc.com

Sheet Title:

Detail Sheet

Project Title:

Newbury
Upper Green
High Road, Green Street,
& Hanover Street
Newbury, MA 01951
Map U-09 Parcel 75

Owner:

Town of Newbury
12 Kent Way
Byfield, MA 01922

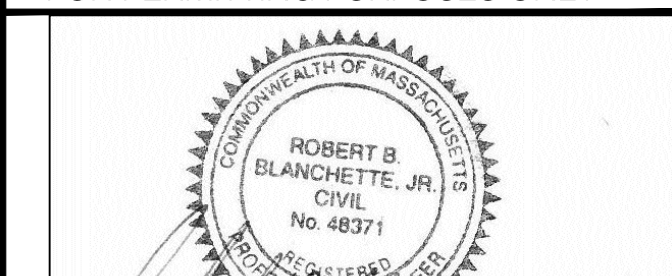
Applicant:

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36 Water Street
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REVISION

NO.	DATE	DESCRIPTION	BY
A	02.20.19	REVS PER PB/BOS	EFC

FOR PERMITTING PURPOSES ONLY



Date: 20 FEB 2019

PROJ. MGR.: R. BLANCHETTE
FIELD: M. MICHAUD
DESIGN: --
DRAWN: E. FREDETTE
CHECKED: R. BLANCHETTE
DATE: 6-19-2018
FILE: 18012.DT.DWG
FBK:
JOB #: 18012

SHEET C5.10