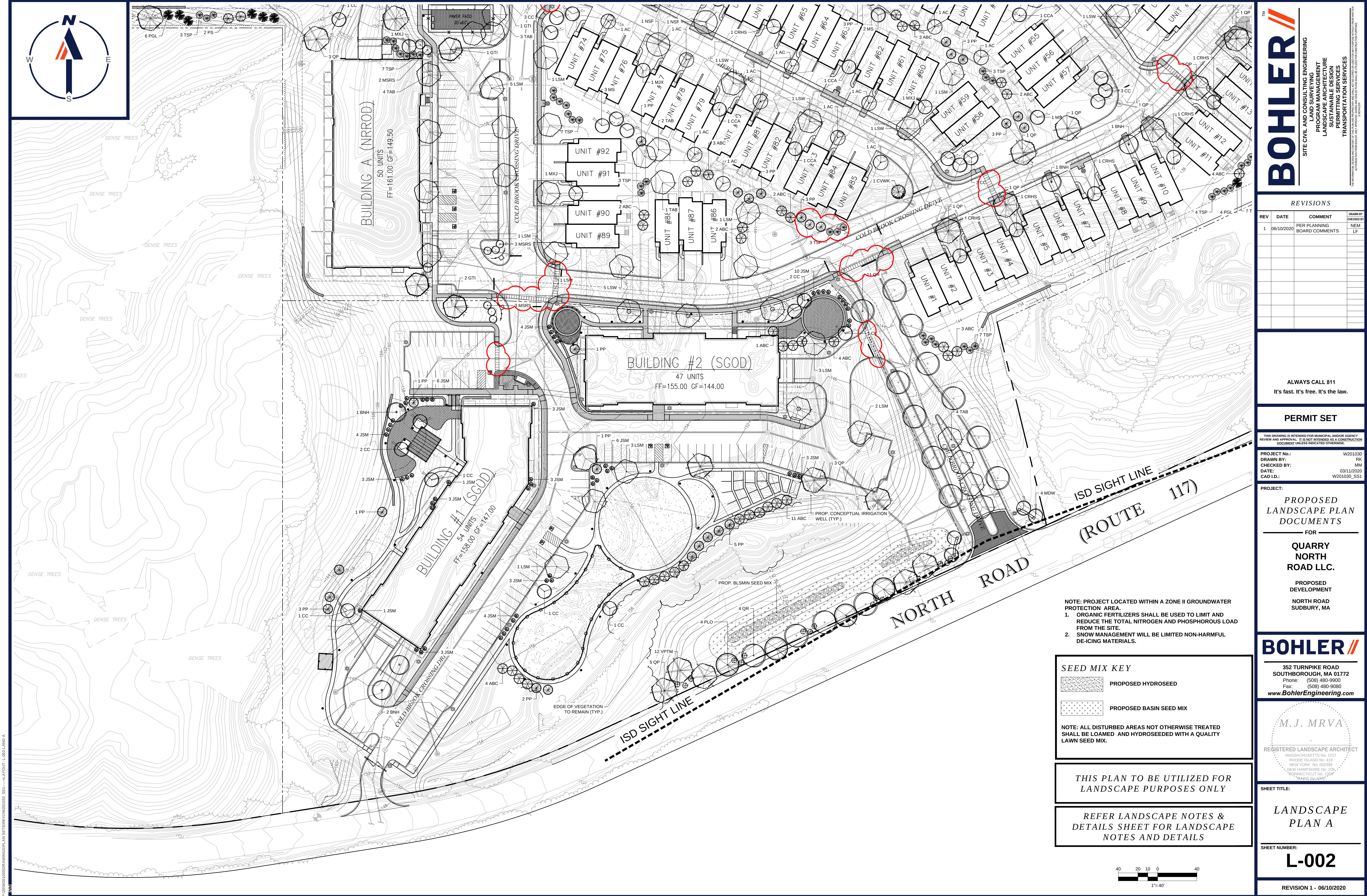




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LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

REVISIONS				
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PROJECT No.: W201030
DRAWN BY: RK
CHECKED BY: MM
DATE: 03/11/2020
CAD ID: W201030_SS1

PROJECT:

PROPOSED
LANDSCAPE PLAN
DOCUMENTS

FOR
QUARRY
NORTH
ROAD LLC.

PROPOSED
DEVELOPMENT
NORTH ROAD
SUDBURY, MA

BOHLER

352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
Fax: (508) 480-9080
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M.J. MRVA

REGISTERED LANDSCAPE ARCHITECT
MASSACHUSETTS No. 1217
RHODE ISLAND No. 419
NEW YORK No. 002559
NEW HAMPSHIRE No. 105
CONNECTICUT No. 1345
"PAVING THE WAY"

SHEET TITLE:

LANDSCAPE
PLAN A

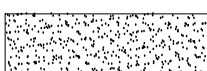
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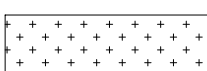
L-002

REVISION 1 - 06/10/2020

- NOTE: PROJECT LOCATED WITHIN A ZONE II GROUNDWATER PROTECTION AREA.
- ORGANIC FERTILIZERS SHALL BE USED TO LIMIT AND REDUCE THE TOTAL NITROGEN AND PHOSPHOROUS LOAD FROM THE SITE.
 - SNOW MANAGEMENT WILL BE LIMITED NON-HARMFUL DE-ICING MATERIALS.

SEED MIX KEY

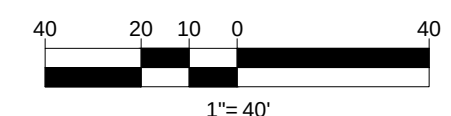
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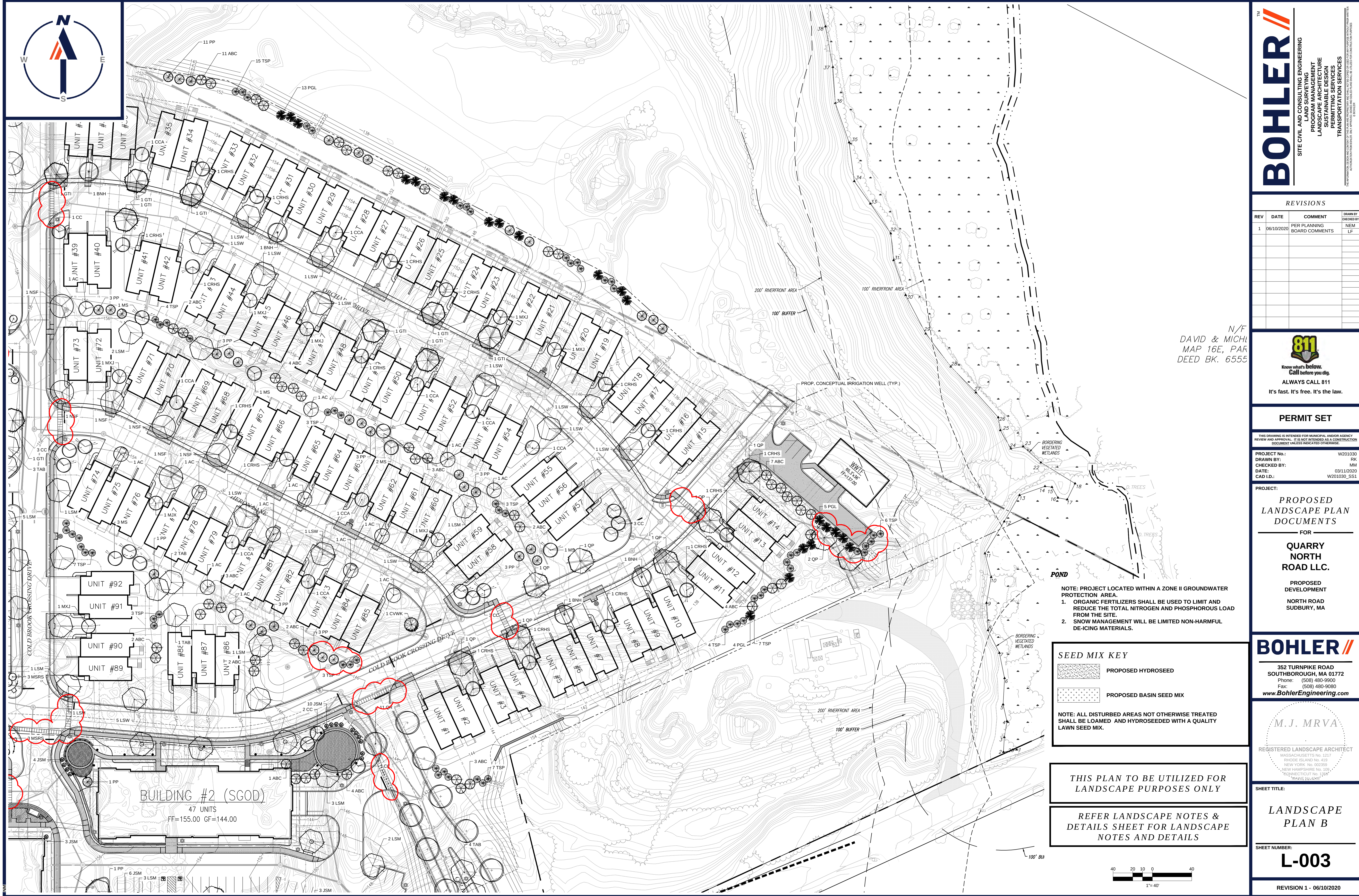
 PROPOSED BASIN SEED MIX

NOTE: ALL DISTURBED AREAS NOT OTHERWISE TREATED SHALL BE LOAMED AND HYDROSEEDED WITH A QUALITY LAWN SEED MIX.

THIS PLAN TO BE UTILIZED FOR
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REFER LANDSCAPE NOTES &
DETAILS SHEET FOR LANDSCAPE
NOTES AND DETAILS





P:\2020\2020\DRAWINGS\PLAN SET\REV1\20201030_SS1.dwg - LAYOUT1 - 4003.LAND B



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PROJECT NO.: W201030
DRAWN BY: RK
CHECKED BY: MM
DATE: 03/11/2020
CAD ID: W201030_SS1

PROPOSED LANDSCAPE PLAN DOCUMENTS
FOR
QUARRY NORTH ROAD LLC.
PROPOSED DEVELOPMENT
NORTH ROAD
SUDBURY, MA

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352 TURNPIKE ROAD
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RHODE ISLAND No. 419
NEW YORK No. 002559
NEW HAMPSHIRE No. 105
CONNECTICUT No. 1254
"MARKLE SQUARE"

LANDSCAPE PLAN B
SHEET NUMBER:
L-003
REVISION 1 - 06/10/2020

- NOTE: PROJECT LOCATED WITHIN A ZONE II GROUNDWATER PROTECTION AREA.
- ORGANIC FERTILIZERS SHALL BE USED TO LIMIT AND REDUCE THE TOTAL NITROGEN AND PHOSPHOROUS LOAD FROM THE SITE.
 - SNOW MANAGEMENT WILL BE LIMITED NON-HARMFUL DE-ICING MATERIALS.

SEED MIX KEY

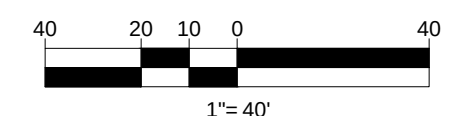
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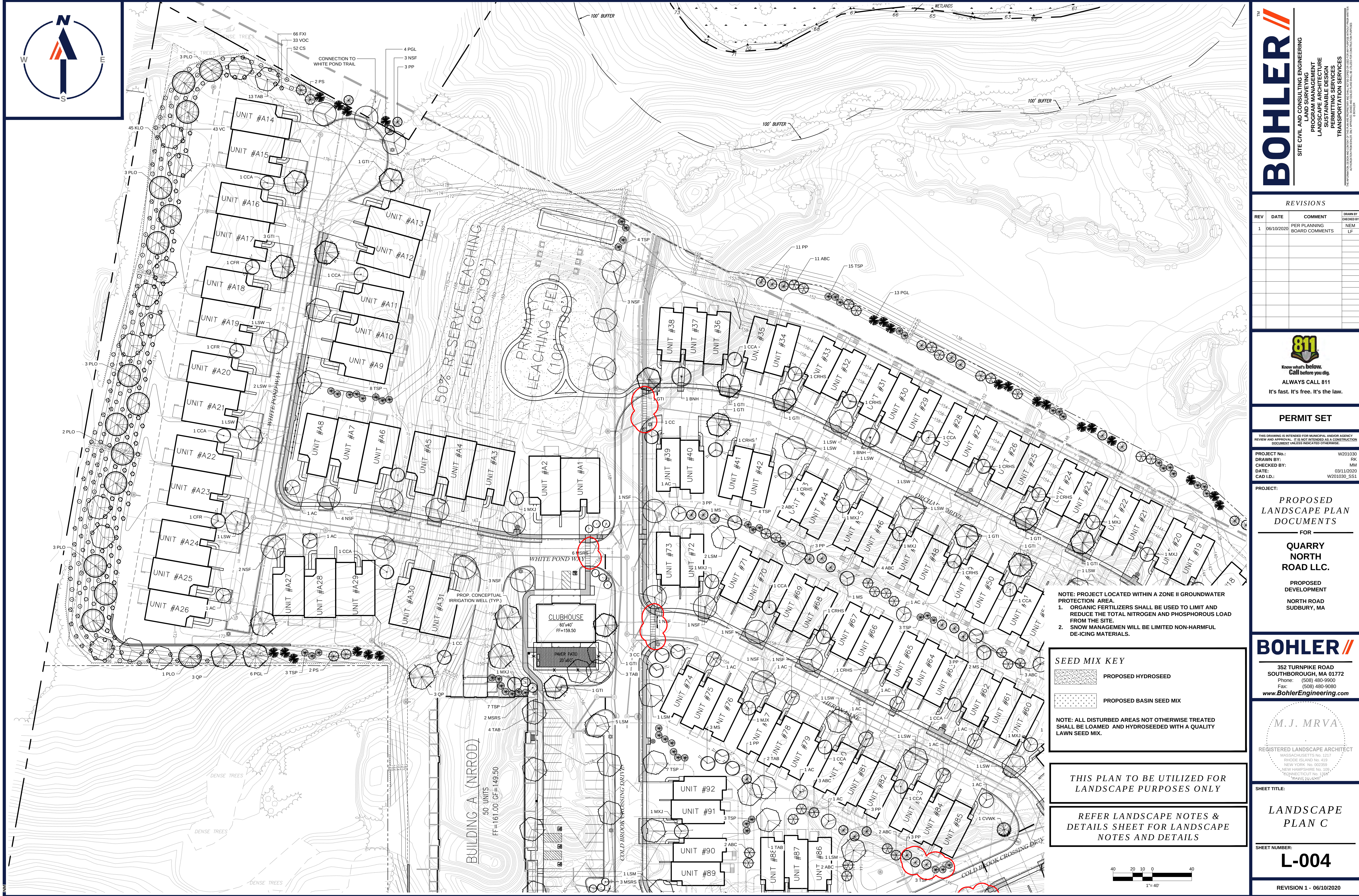
PROPOSED BASIN SEED MIX

NOTE: ALL DISTURBED AREAS NOT OTHERWISE TREATED SHALL BE LOAMED AND HYDROSEEDED WITH A QUALITY LAWN SEED MIX.

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 DRAWN BY: RK
 CHECKED BY: MM
 DATE: 03/11/2020
 CAD ID: W201030.SS1

PROPOSED LANDSCAPE PLAN DOCUMENTS FOR QUARRY NORTH ROAD LLC.
 PROPOSED DEVELOPMENT
 NORTH ROAD, MA

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 352 TURNPIKE ROAD
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 MASSACHUSETTS No. 1217
 RHODE ISLAND No. 419
 NEW YORK No. 002559
 NEW HAMPSHIRE No. 105
 CONNECTICUT No. 1258
 "MARKS SQUARE"

LANDSCAPE PLAN C
 SHEET NUMBER:
L-004
 REVISION 1 - 06/10/2020

NOTE: PROJECT LOCATED WITHIN A ZONE II GROUNDWATER PROTECTION AREA.
 1. ORGANIC FERTILIZERS SHALL BE USED TO LIMIT AND REDUCE THE TOTAL NITROGEN AND PHOSPHOROUS LOAD FROM THE SITE.
 2. SNOW MANAGEMENT WILL BE LIMITED NON-HARMFUL DE-ICING MATERIALS.

SEED MIX KEY

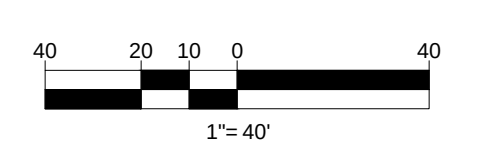
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PROPOSED BASIN SEED MIX

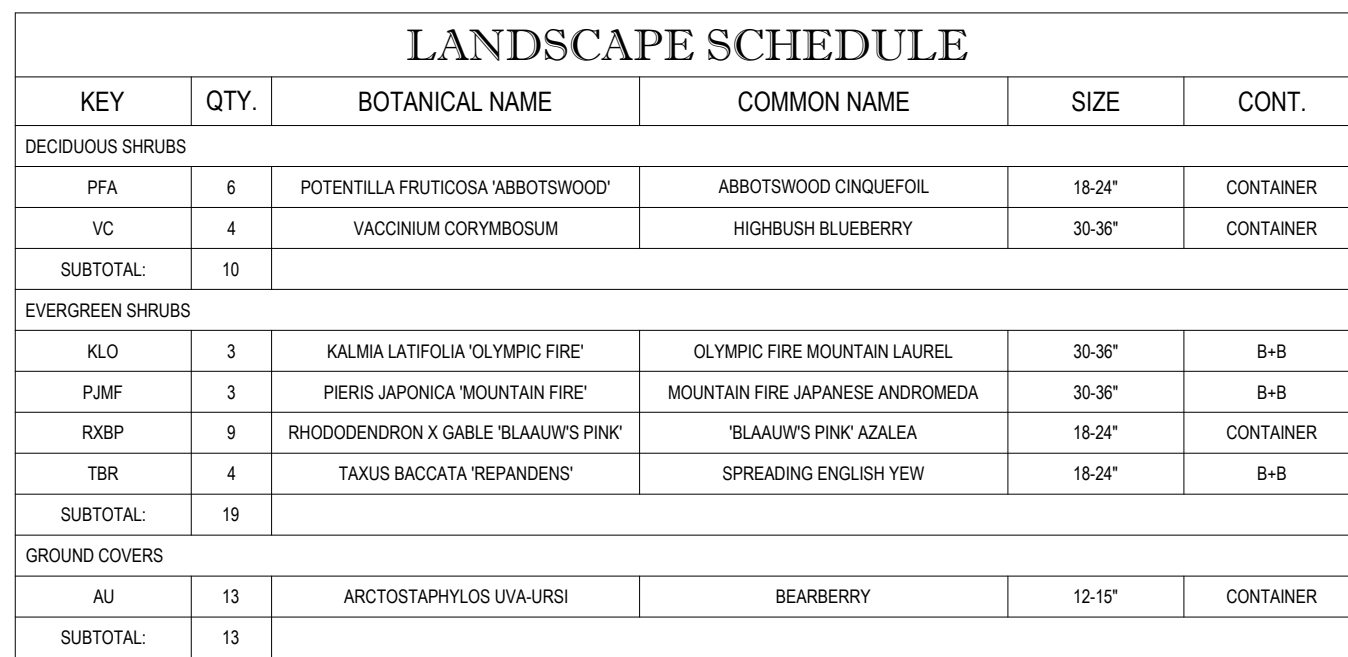
NOTE: ALL DISTURBED AREAS NOT OTHERWISE TREATED SHALL BE LOADED AND HYDROSEEDED WITH A QUALITY LAWN SEED MIX.

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P:\2010\201030\DRAWINGS\PLAN SET\REV1\W201030_SS1_LAYOUT1.dwg LAND C



Architectural section drawing of a building facade. The drawing shows a curved wall with various materials and a tree plan reference. The materials are labeled as follows:

- 3 IGS
- 4 HPM
- 3 SJLP
- 2 RPJM
- 4 JHBH
- 2 PVHM
- 4 HPM
- 2 RPJM
- 3 SJLP
- 4 SJS
- 7 HPM

A circular callout shows a tree plan reference, labeled "TREE (TYP.) REFER TO LANDSCAPE PLAN".

LANDSCAPE SCHEDULE					
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
DECIDUOUS SHRUBS					
SJP	6	SPIRAEA JAPONICA 'LITTLE PRINCESS'	LITTLE PRINCESS SPIREA	15-18"	CONTAINER
SUBTOTAL:	6				
EVERGREEN SHRUBS					
IGS	6	ILEX GLABRA 'SHAMROCK'	SHAMROCK INGEBERRY HOLLY	24-30"	B+B
RPJM	4	RHODODENDRON CAROLINANA X PJM	PJM RHODODENDRON	24-30"	B+B
SUBTOTAL:	10				
GROUND COVERS					
JHBH	4	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR CREEPING JUNIPER	15-18" SPD.	CONTAINER
SUBTOTAL:	4				
PERENNIALS					
HPM	15	HEMEROCALLIS 'PARDON ME'	PARDON ME DAYLILY	2 GAL.	CONTAINER
SUBTOTAL:	15				
ORNAMENTAL GRASSES					
PVHM	2	PANICUM VIRGATUM HEAVY METAL'	HEAVY METAL SWITCH GRASS	2 GAL.	CONTAINER
SUBTOTAL:	2				

LANDSCAPE SCHEDULE					
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
DECIDUOUS SHRUBS					
PFA	4	POTENTILLA FRUTICOSA 'ABBOTSWOOD'	ABBOTSWOOD CINQUEFOIL	18-24"	CONTAINER
VA	4	VACCINIUM ANGUSTIFOLIUM	LOWBUSH BLUEBERRY	15-18"	CONTAINER
SUBTOTAL:	8				
EVERGREEN SHRUBS					
KLO	3	KALMIA LATIFOLIA 'OLYMPIC FIRE'	OLYMPIC FIRE MOUNTAIN LAUREL	30-36"	B+B
PJC	3	PIERIS JAPONICA COMPACTA	DWARF JAPANESE ANDROMEDA	30-36"	B+B
RKDW	8	RHOODOENDERON X KURUME 'DELAWARE VALLEY WHITE'	'DELAWARE VALLEY WHITE' AZALEA	18-24"	CONTAINER
ROHC	6	RHOODOENDERON X OBTUSUM 'HINO CRIMSON'	HINO CRIMSON AZALEA	18-24"	CONTAINER
TBR	10	TAXUS BACCATA 'REPANDENS'	SPREADING ENGLISH YEW	18-24"	B+B
SUBTOTAL:	30				
GROUND COVERS					
AU	10	ARCTOSTAPHYLOS UVA-URSI	BEARBERRY	12-15"	CONTAINER
SUBTOTAL:	10				

KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
DECIDUOUS SHRUBS					
SJLP	7	SPIRAEA JAPONICA 'LITTLE PRINCESS'	LITTLE PRINCESS SPIREA	15-18"	CONTAINER
SUBTOTAL:	7				
EVERGREEN SHRUBS					
IGS	6	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERRY HOLLY	24-30"	B+B
RKOVW	7	RHODODENDRON X KURUME 'DELAWARE VALLEY' WHITE	'DELAWARE' VALLEY WHITE AZALEA	18-24"	CONTAINER
SUBTOTAL:	13				
PERENNIALS					
HPMI	19	HEMEROCALLIS 'PARDON ME'	PARDON ME DAYLILY	2 GAL.	CONTAINER
SUBTOTAL:	19				
ORNAMENTAL GRASSES					
PAH	8	PENNISETUM ALOPECUROIDES 'NAMESLI'	DWARF FOUNTAIN GRASS	2 GAL.	CONTAINER
PVHM	2	PANICUM VIRGATUM 'HEAVY METAL'	HEAVY METAL SWITCH GRASS	2 GAL.	CONTAINER
SUBTOTAL:	10				

3 ROHC

3 PJC

3 ROHC

3 PFA

4 TBR

3 ROHC

3 PFA

2 PFA

5 TBR

1 ROHC

2 ROHC

2 AU

4 CAI

6 PAH

6 TBR

TREE (TYP.) REFER TO LANDSCAPE PLAN

LANDSCAPE SCHEDULE						
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	
DECIDUOUS SHRUBS						
CAI	4	CORNUS ALBA 'VIVARY HALO'	VAREGATED RED TWIG DOGWOOD	2'-3'	B+B	
PPA	8	POTENTILLA FRUTICOSA 'ABBOTT'S WOOD'	ABBOTT'S WOOD CINQUEFOIL	18-24"	CONTAINER	
SUBTOTAL:	12					
EVERGREEN SHRUBS						
PJC	3	PIERIS JAPONICA COMPACTA	DWARF JAPANESE ANDROMEDA	30-36"	B+B	
ROHC	12	RHOCHODENDRON X OBUTSUM 'HINO CRIMSON'	HINO CRIMSON AZALEA	18-24"	CONTAINER	
TBR	16	TAXUS BACCATA 'REPANDENS'	SPREADING ENGLISH YEW	18-24"	B+B	
SUBTOTAL:	30					
GROUND COVERS						
AUJ	2	ARCTOSTAPHYLOS UVA-URSI	BEARBERRY	12-15"	CONTAINER	
SUBTOTAL:	2					
ORNAMENTAL GRASSES						
PAH	6	PENNISETUM ALOPECUROIDES 'HAMELY'	DWARF FOUNTAIN GRASS	2 GAL.	CONTAINER	
SUBTOTAL:	6					

3 PJC
3 ROHC
3 PFA
4 TBR
3 ROHC
3 PFA
5 TBR
3 ROHC
2 PFA
5 TBR
3 PJC
3 ROHC
3 PFA
4 TBR
3 RKDWW
3 PFA
5 PAH
TREE (TYP.) REFER TO LANDSCAPE PLAN

LANDSCAPE SCHEDULE						
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	
DECIDUOUS SHRUBS						
PEA	11	POTENTILLA FRUTICOSA 'ABBOTSWOOD'	ABBOTSWOOD CINQUEFOIL	15-24"	CONTAINER	
SUBTOTAL:	11					
EVERGREEN SHRUBS						
PJC	6	PIERIS JAPONICA COMPACTA	DWARF JAPANESE ANDROMEDA	30-36"	B+B	
RKDW	3	RHOCHODENDRON X KURUME 'DELAWARE VALLEY WHITE'	'DELAWARE VALLEY WHITE' AZALEA	15-24"	CONTAINER	
RHC	14	RHOCHODENDRON X ORTUMUS 'HINO CRIMSON'	'HINO CRIMSON' AZALEA	15-24"	CONTAINER	
TBR	9	TAXUS BACCATA 'REPANDENS'	SPREADING ENGLISH YEW	15-24"	B+B	
SUBTOTAL:	32					
GROUND COVERS						
AU	2	ARCTOSTAPHYLOS UVA-URSI	BEARBERRY	12-15"	CONTAINER	
SUBTOTAL:	2					
ORNAMENTAL GRASSES						
PAH	5	PENNISETUM ALOPECUROIDES 'HAMELI'	DWARF FOUNTAIN GRASS	2 GAL.	CONTAINER	
SUBTOTAL:	5					

3 PJC
3 CAE
6 SBG
5 IGC
3 RPJM
4 IGC
2 CAE
3 RPJM
5 SBG
7 IGC
3 CAE
3 PMM
3 CAE
4 RPJM
4 IGC
3 PMM
5 PJC
3 CAE
3 PMM
4 RPJM
4 IGC
3 PMM
3 CAE
3 PMM
3 CAE
5 IGC
2 SBG
2 RPJM
3 PMM
6 SBG
6 SBG
3 CAE
TREE (TYP.) REFER TO LANDSCAPE PLAN
TREE (TYP.) REFER TO LANDSCAPE PLAN

LANDSCAPE SCHEDULE					
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
DECIDUOUS SHRUBS					
CAE	26	CORNUS ALBA 'ELEGANTISSIMA' X	VAREGATED RED TWIG DOGWOOD	2'-3'	B+B
SRG	30	SPIRAEA X BUNALDA 'GOLD-FLAME'	GOLD FLAME SPIREA	15-18"	CONTAINER
SUBTOTAL	56				
EVERGREEN SHRUBS					
IGC	29	ILEX GLABRA 'COMPTA'	DWARF INKBERRY HOLLY	24-30"	B+B
PJC	8	PIERIS JAPONICA 'COMPTA'	DWARF JAPANESE ANDROMEDA	30-36"	B+B
PMM	21	PNIS MUGO MUGO	DWARF MUGO PINE	15-24"	CONTAINER
RPJM	16	RHOODODENDRON CAROLINIANA X PJM	PJM RHOODODENDRON	24-30"	B+B
SUBTOTAL	74				

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PROJECT No.:	W201030
DRAWN BY:	RK
CHECKED BY:	MM
DATE:	03/11/2020
CAD I.D.:	W201030 SS1

PROJECT:

PROPOSED
LANDSCAPE PLAN
DOCUMENTS

QUARRY
NORTH
ROAD LLC.

**PROPOSED
DEVELOPMENT**

**NORTH ROAD
SUDBURY, MA**

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**352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772**
Phone: (508) 480-9900
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M.J. MRVA
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RHODE ISLAND No. 419
NEW YORK No. 002359
NEW HAMPSHIRE No. 109
CONNECTICUT No. 1359
"MAINE No. 4268"

SHEET TITLE:

LANDSCAPE
PLAN
ENLARGEMENTS

SHEET NUMBER:

L-005

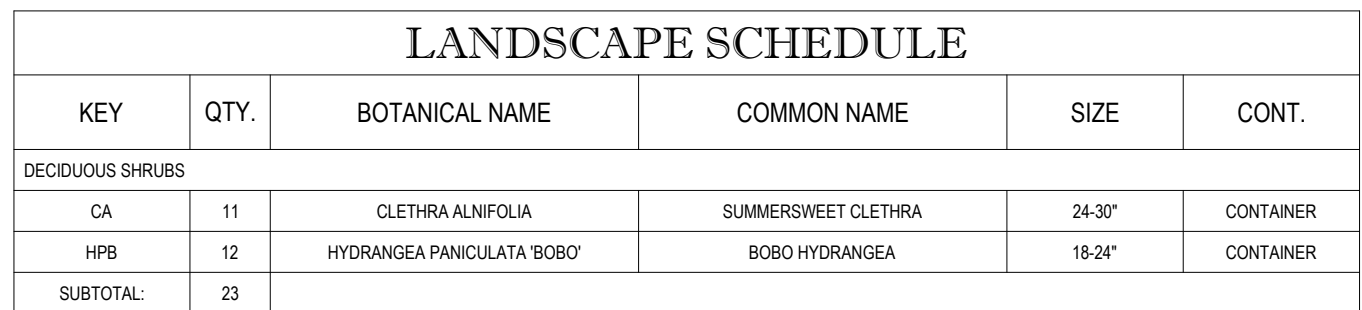
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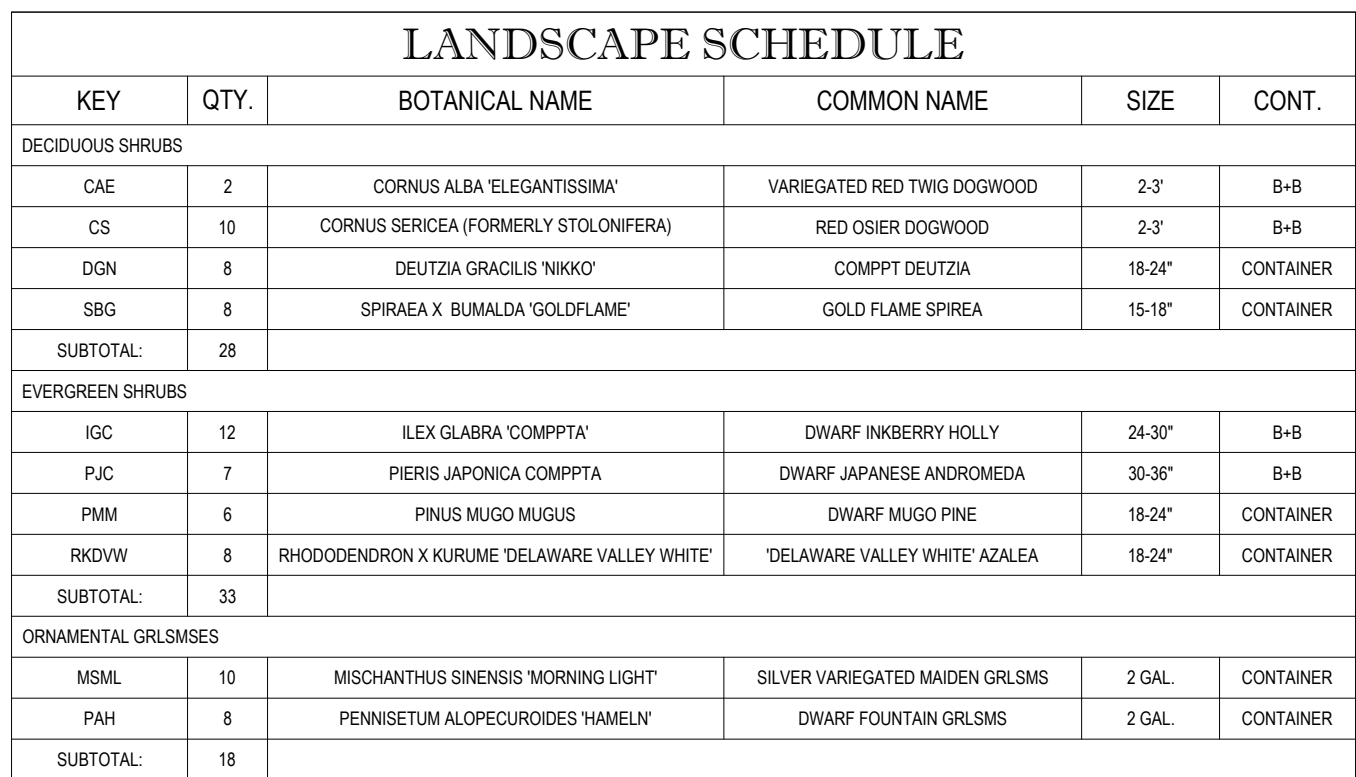
PERENNIALS						
AT	41	ASCLERAS TUBEROSA	BUTTERFLY WEED	2 GAL	CONTAINER	
BPS	76	BAPTISMA "PURPLE SMOKE"	FALSE INDIGO	2 GAL	CONTAINER	
EPT	45	ECHINACEA PURPUREA "TINKY TORCH"	CONEFLOWER	2 GAL	CONTAINER	
LSBS	35	LIATRIS SPICATA "BLAZING STAR"	BLAZING STAR GAYFEATHER	2 GAL	CONTAINER	
MOY	36	MONARDO DIDYMA	MONARDA	2 GAL	CONTAINER	
SUBTOTAL:	233					



PERENNIALS						
AT	26	ASPLEGIA TUBEROSA	BUTTERFLY WEED	2 GAL	CONTAINER	
BPS	25	BAPTISIA 'PURPLE SMOKE'	FALSE INDIGO	2 GAL	CONTAINER	
EPT	22	ECHINACEA 'PURPUREA TIKI TORCH'	CONEFLOWER	2 GAL	CONTAINER	
LSSS	10	LIATRIS SPICATA 'BLAZING STAR'	BLAZING STAR GAYFEATHER	2 GAL	CONTAINER	
MDY	13	MONARDA DIDYMA	MONARDA	2 GAL	CONTAINER	
SUBTOTAL:	96					



SCALE: 1" = 20'



SCALE: 1" = 20'

[illegible]

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PROJECT No.: W201030
DRAWN BY: RK
CHECKED BY: MM
DATE: 03/11/2020
CAD I.D.: W201030_SS1

PROJECT:

*PROPOSED
LANDSCAPE PLAN
DOCUMENTS*

**QUARRY
NORTH
ROAD LLC.**

**PROPOSED
DEVELOPMENT**

**NORTH ROAD
SUDBURY, MA**

BOHLER //

**352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772**
Phone: (508) 480-9900
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NEW YORK No. 002359
NEW HAMPSHIRE No. 109
CONNECTICUT No. 1359
MAINE No. 4249

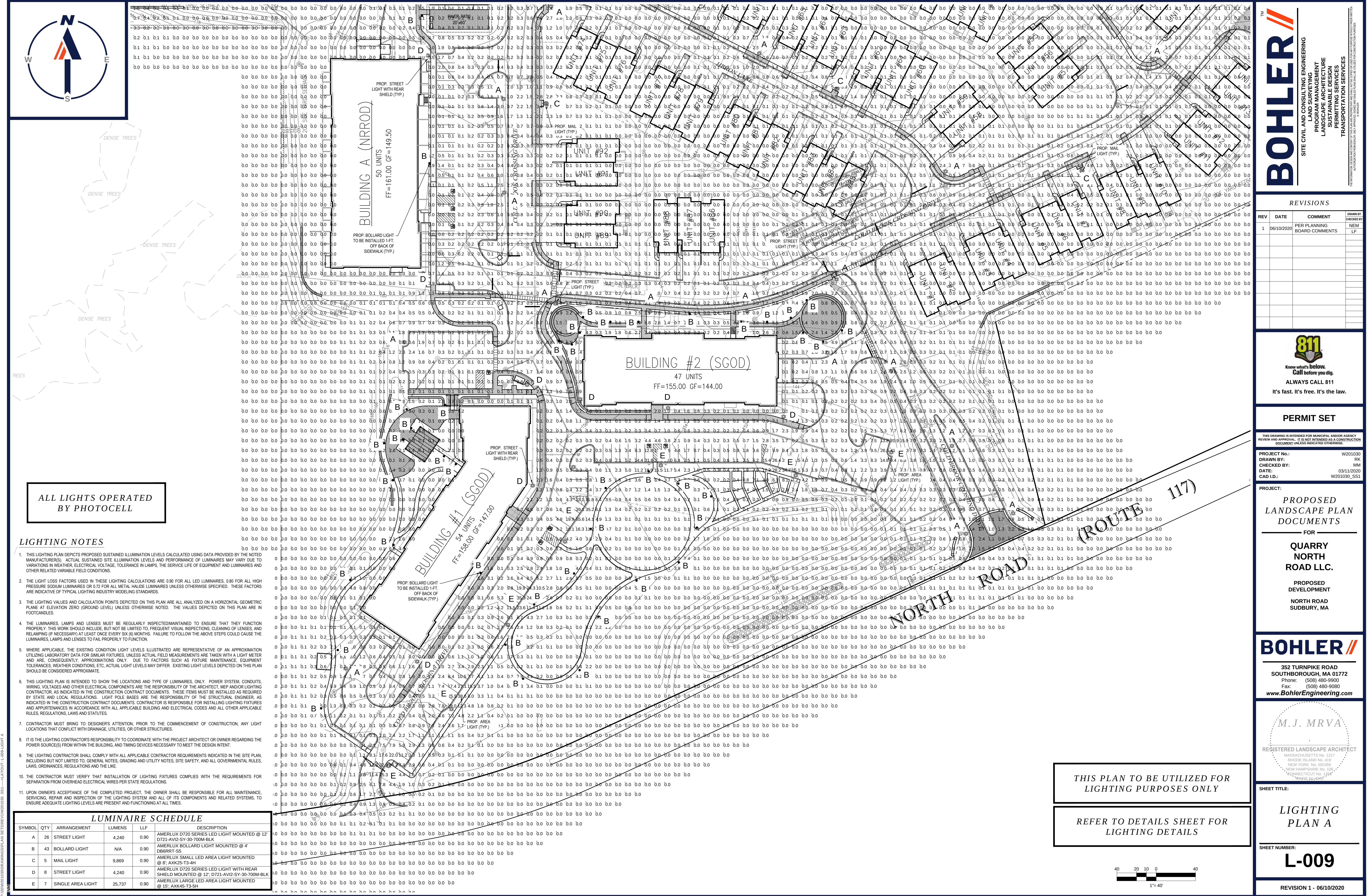
SHEET TITLE:

LANDSCAPE
PLAN
ENLARGEMENTS

SHEET NUMBER

L-007

REVISION 1 - 06/10/2020



ALL LIGHTS OPERATED
BY PHOTOCELL

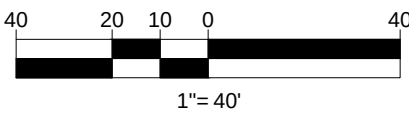
LIGHTING NOTES

- THIS LIGHTING PLAN DEPICTS PROPOSED SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURER(S). ACTUAL SUSTAINED SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.
- THE LIGHT LOSS FACTORS USED IN THESE LIGHTING CALCULATIONS ARE 0.00 FOR ALL LED LUMINAIRES, 0.80 FOR ALL HIGH PRESSURE SODIUM LUMINAIRES OR 0.72 FOR ALL METAL HALIDE LUMINAIRES UNLESS OTHERWISE SPECIFIED. THESE FACTORS ARE INDICATIVE OF TYPICAL LIGHTING INDUSTRY MODELING STANDARDS.
- THE LIGHTING VALUES AND CALCULATION POINTS DEPICTED ON THIS PLAN ARE ALL ANALYZED ON A HORIZONTAL GEOMETRIC PLANE AT ELEVATION ZERO (GROUND LEVEL) UNLESS OTHERWISE NOTED. THE VALUES DEPICTED ON THIS PLAN ARE IN FOOT-CANDLES.
- THE LUMINAIRES, LAMPS AND LENSES MUST BE REGULARLY INSPECTED/MAINTAINED TO ENSURE THAT THEY FUNCTION PROPERLY. THIS WORK SHOULD INCLUDE, BUT NOT BE LIMITED TO, FREQUENT VISUAL INSPECTIONS, CLEANING OF LENSES, AND RELAMPING (IF NECESSARY) AT LEAST ONCE EVERY SIX (6) MONTHS. FAILURE TO FOLLOW THE ABOVE STEPS COULD CAUSE THE LUMINAIRES, LAMPS AND LENSES TO FAIL PROPERLY TO FUNCTION.
- WHERE APPLICABLE, THE EXISTING CONDITION LIGHT LEVELS ILLUSTRATED ARE REPRESENTATIVE OF AN APPROXIMATION UTILIZING LABORATORY DATA FOR SIMILAR FIXTURES. UNLESS ACTUAL FIELD MEASUREMENTS ARE TAKEN WITH A LIGHT METER AND ARE, CONSEQUENTLY, APPROXIMATIONS ONLY. DUE TO FACTORS SUCH AS FIXTURE MAINTENANCE, EQUIPMENT TOLERANCES, WEATHER CONDITIONS, ETC, ACTUAL LIGHT LEVELS MAY DIFFER. EXISTING LIGHT LEVELS DEPICTED ON THIS PLAN SHOULD BE CONSIDERED APPROXIMATE.
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- IT IS THE LIGHTING CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE PROJECT ARCHITECT OR OWNER REGARDING THE POWER SOURCE(S) FROM WITHIN THE BUILDING, AND TIMING DEVICES NECESSARY TO MEET THE DESIGN INTENT.
- THE LIGHTING CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CONTRACTOR REQUIREMENTS INDICATED IN THE SITE PLAN, INCLUDING BUT NOT LIMITED TO, GENERAL NOTES, GRADING AND UTILITY NOTES, SITE SAFETY, AND ALL GOVERNMENTAL RULES, LAWS, ORDINANCES, REGULATIONS AND THE LIKE.
- THE CONTRACTOR MUST VERIFY THAT INSTALLATION OF LIGHTING FIXTURES COMPLIES WITH THE REQUIREMENTS FOR SEPARATION FROM OVERHEAD ELECTRICAL WIRES PER STATE REGULATIONS.
- UPON OWNER'S ACCEPTANCE OF THE COMPLETED PROJECT, THE OWNER SHALL BE RESPONSIBLE FOR ALL MAINTENANCE, SERVICING, REPAIR AND INSPECTION OF THE LIGHTING SYSTEM AND ALL OF ITS COMPONENTS AND RELATED SYSTEMS, TO ENSURE ADEQUATE LIGHTING LEVELS ARE PRESENT AND FUNCTIONING AT ALL TIMES.

LUMINAIRE SCHEDULE				
SYMBOL	QTY	ARRANGEMENT	LUMENS	DESCRIPTION
A	26	STREET LIGHT	4,240	AMERLUX D720 SERIES LED LIGHT MOUNTED @ 12' 0721-AV12-SY-30-700M-BULK
B	43	BOLLARD LIGHT	N/A	AMERLUX BOLLARD LIGHT MOUNTED @ 4' DB6RR1-S5
C	5	MAIL LIGHT	9,869	AMERLUX SMALL LED AREA LIGHT MOUNTED @ 8' AKK25-T3-4H
D	8	STREET LIGHT	4,240	AMERLUX D720 SERIES LED LIGHT WITH REAR SHIELD MOUNTED @ 12' 0721-AV12-SY-30-700M-BULK
E	7	SINGLE AREA LIGHT	25,737	AMERLUX LARGE LED AREA LIGHT MOUNTED @ 15' AXK43-T3-5H

THIS PLAN TO BE UTILIZED FOR
LIGHTING PURPOSES ONLY

REFER TO DETAILS SHEET FOR
LIGHTING DETAILS



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LANDSCAPE ARCHITECT

PROFESSOR OF ARCHITECTURE

SUSTAINABLE DESIGN

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PROJECT No.: W201030

DRAWN BY: RK

CHECKED BY: MM

DATE: 03/11/2020

CAD ID: W201030_S51

PROPOSED LANDSCAPE PLAN DOCUMENTS

FOR

QUARRY NORTH ROAD LLC.

PROPOSED DEVELOPMENT

NORTH ROAD SUDBURY, MA

BOHLER

352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
Fax: (508) 480-9900
www.BohlerEngineering.com

M.J. MRVA

REGISTERED LANDSCAPE ARCHITECT

MASSACHUSETTS No. 1217
RHODE ISLAND No. 419
NEW YORK No. 002259
NEW HAMPSHIRE No. 105
CONNECTICUT No. 1245
"TRAVELER LICENSE"

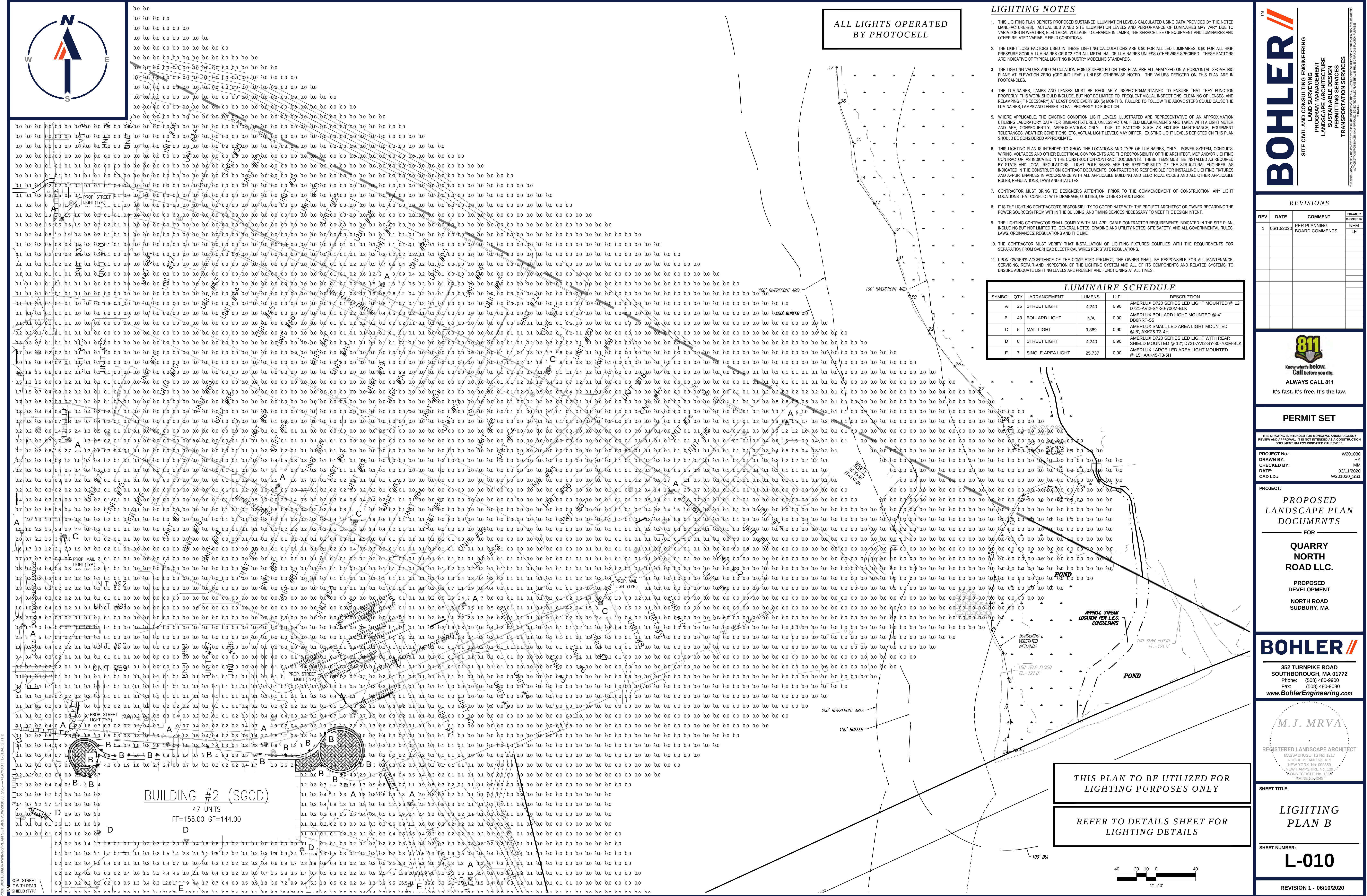
SHEET TITLE:

LIGHTING PLAN A

SHEET NUMBER:

L-009

REVISION 1 - 06/10/2020



ALL LIGHTS OPERATED
BY PHOTOCELL

LIGHTING NOTES

- THIS LIGHTING PLAN DEPICTS PROPOSED SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURERS. ACTUAL SUSTAINED SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.
- THE LIGHT LOSS FACTORS USED IN THESE LIGHTING CALCULATIONS ARE 0.90 FOR ALL LED LUMINAIRES, 0.80 FOR ALL HIGH PRESSURE SODIUM LUMINAIRES OR 0.72 FOR ALL METAL HALIDE LUMINAIRES UNLESS OTHERWISE SPECIFIED. THESE FACTORS ARE INDICATIVE OF TYPICAL LIGHTING INDUSTRY MODELING STANDARDS.
- THE LIGHTING VALUES AND CALCULATION POINTS DEPICTED ON THIS PLAN ARE ALL ANALYZED ON A HORIZONTAL GEOMETRIC PLANE AT ELEVATION ZERO (GROUND LEVEL) UNLESS OTHERWISE NOTED. THE VALUES DEPICTED ON THIS PLAN ARE IN FOOT-CANDLES.
- THE LUMINAIRES, LAMPS AND LENSES MUST BE REGULARLY INSPECTED/MAINTAINED TO ENSURE THAT THEY FUNCTION PROPERLY. THIS WORK SHOULD INCLUDE, BUT NOT BE LIMITED TO, FREQUENT VISUAL INSPECTIONS, CLEANING OF LENSES, AND RELAMPING (IF NECESSARY) AT LEAST ONCE EVERY SIX (6) MONTHS. FAILURE TO FOLLOW THE ABOVE STEPS COULD CAUSE THE LUMINAIRES, LAMPS AND LENSES TO FAIL PROPERLY TO FUNCTION.
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LUMINAIRE SCHEDULE				
SYMBOL	QTY	ARRANGEMENT	LUMENS	LLF
A	26	STREET LIGHT	4,240	0.90
B	43	BOLLARD LIGHT	N/A	0.90
C	5	MAIL LIGHT	9,869	0.90
D	8	STREET LIGHT	4,240	0.90
E	7	SINGLE AREA LIGHT	25,737	0.90
		DESCRIPTION		
		AMERLUX D720 SERIES LED LIGHT MOUNTED @ 12' D721-AV12-SY-30-700M-BLK		
		AMERLUX BOLLARD LIGHT MOUNTED @ 4' DB6RR1-S5		
		AMERLUX SMALL LED AREA LIGHT MOUNTED @ 8' AXK25-T3-4H		
		AMERLUX D720 SERIES LED LIGHT WITH REAR SHIELD MOUNTED @ 12' D721-AV12-SY-30-700M-BLK		
		AMERLUX LARGE LED AREA LIGHT MOUNTED @ 15' AXK45-T3-5H		

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PROJECT No.: W2010330
DRAWN BY: RK
CHECKED BY: MM
DATE: 03/11/2020
CAD ID: W201030_S51

PROJECT:
PROPOSED
LANDSCAPE PLAN
DOCUMENTS
FOR
QUARRY
NORTH
ROAD LLC.
PROPOSED
DEVELOPMENT
NORTH ROAD
SUDBURY, MA

BOHLER

352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772
Phone: (508) 480-9900
Fax: (508) 480-9900
www.BohlerEngineering.com

M.J. MRVA

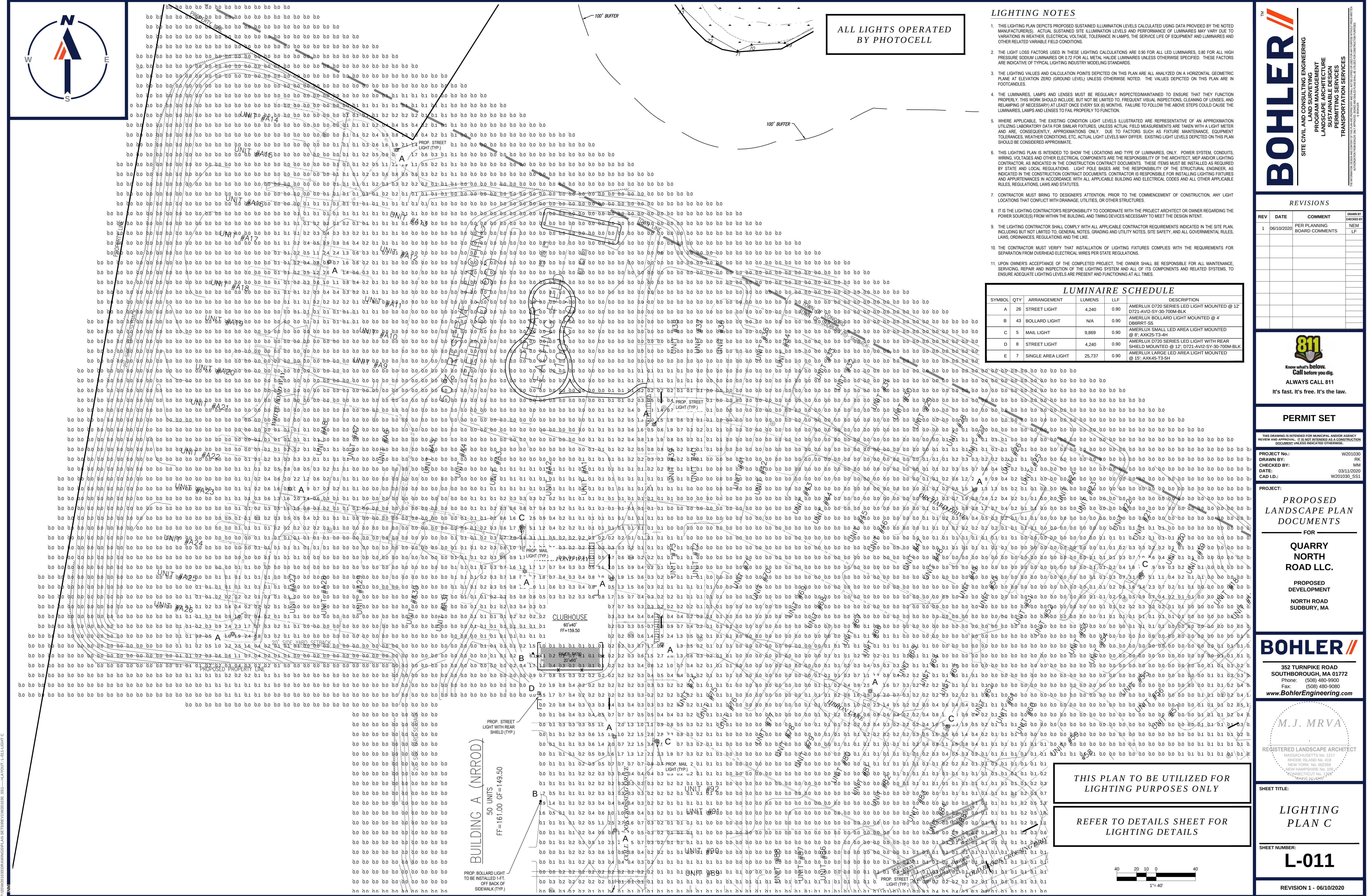
REGISTERED LANDSCAPE ARCHITECT
MASSACHUSETTS No. 1217
RHODE ISLAND No. 419
NEW YORK No. 002259
NEW HAMPSHIRE No. 105
CONNECTICUT No. 1295
"TRAVELER'S CHOICE"

SHEET TITLE:
LIGHTING
PLAN B

SHEET NUMBER:
L-010

REVISION 1 - 06/10/2020

P:\DWG\2020\DRAWINGS\PLAN SETS\REV1\W201030_S51.dwg - LAYOUT: 1-01 LIGHT C



ALL LIGHTS OPERATED
BY PHOTOCELL

LIGHTING NOTES

1. THIS LIGHTING PLAN DEPICTS PROPOSED SUSTAINED ILLUMINATION LEVELS CALCULATED USING DATA PROVIDED BY THE NOTED MANUFACTURER(S). ACTUAL SUSTAINED SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.
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LUMINAIRE SCHEDULE				
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B	43	BOLLARD LIGHT	N/A	0.90
C	5	MAIL LIGHT	9,869	0.90
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E	7	SINGLE AREA LIGHT	25,737	0.90

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PROJECT No.: W201030
DRAWN BY: RK
CHECKED BY: MM
DATE: 03/11/2020
CAD ID: W201030_S51

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LANDSCAPE PLAN
DOCUMENTS
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NORTH
ROAD LLC.
PROPOSED
DEVELOPMENT
NORTH ROAD
SUDBURY, MA

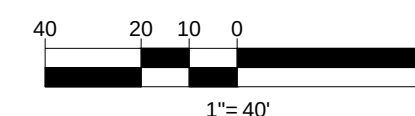
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MASSACHUSETTS No. 1217
RHODE ISLAND No. 419
NEW YORK No. 002259
NEW HAMPSHIRE No. 105
CONNECTICUT No. 1295
"TRAVELER LICENSE"

SHEET TITLE:

THIS PLAN TO BE UTILIZED FOR
LIGHTING PURPOSES ONLY
REFER TO DETAILS SHEET FOR
LIGHTING DETAILS



LIGHTING
PLAN C

SHEET NUMBER:
L-011

REVISION 1 - 06/10/2020

