



CONNECTION TO WHITE POND RESERVATION
TRAIL NETWORK

REFER TO LANDSCAPE SCHEDULE
FOR SLOPE SHRUB PLANTING

75' BUFFER

EMERY & PINE
RESIDENTIAL TOWNHOUSES

REFER TO
ENLARGEMENT FOR
PLANTING PLAN

REFER TO
ENLARGEMENT FOR
PLANTING PLAN

REFER TO ENLARGEMENT
FOR PLANTING PLAN

REFER TO ENLARGEMENT
FOR PLANTING PLAN

EMERY & PINE CONDOMINIUMS

REFER TO
ENLARGEMENT FOR
PLANTING PLAN

REFER TO
ENLARGEMENT FOR
PLANTING PLAN

REFER TO ENLARGEMENT
FOR PLANTING PLAN

REFER TO ENLARGEMENT
FOR PLANTING PLAN

APARTMENTS AT COLD BROOK CROSSING

COMMON OPEN SPACE

SMART GROWTH OVERLAY DISTRICT

STORM WATER AMENITY

EMERGENCY ACCESS AND GATE

REFER TO
ENLARGEMENT FOR
PLANTING PLAN

WASTEWATER LEACHING FIELD
AND AMENITY SPACE

EMERY & PINE TOWNHOUSES

REFER TO
ENLARGEMENT FOR
PLANTING PLAN

REFER TO
ENLARGEMENT FOR
PLANTING PLAN

WASTEWATER TREATMENT FACILITY
AND MAINTENANCE BUILDING

REFER TO
ENLARGEMENT FOR
PLANTING PLAN

REFER TO
ENLARGEMENT FOR
PLANTING PLAN

REFER TO
ENLARGEMENT FOR
PLANTING PLAN

REFER TO
ENLARGEMENT FOR
PLANTING PLAN

LANDSCAPE SCHEDULE					
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
ARA	27	ACER RUBRUM 'ARMSTRONG'	ARMSTRONG COLUMNAR RED MAPLE	2 1/2-3" CAL.	B+B
AROG	19	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2 1/2-3" CAL.	B+B
AS	18	ACER SACCHARUM	SUGAR MAPLE	2 1/2-3" CAL.	B+B
GBPS	16	GINKGO BILOBA 'PRINCETON SENTINEL'	PRINCETON SENTINEL BRANT GINKGO	2 1/2-3" CAL.	B+B
LT	20	LIRIODENDRON TULIPIFERA	TULIP POPLAR	2 1/2-3" CAL.	B+B
PXAB	11	PLATANUS X ACERIFOLIA 'BLOODGOOD'	BLOODGOOD LONDON PLANETREE	2 1/2-3" CAL.	B+B
QP	16	QUERCUS PALUSTRIS	PIN OAK	2 1/2-3" CAL.	B+B
QR	4	QUERCUS RUBRA	RED OAK	2 1/2-3" CAL.	B+B
TCG	17	TILIA CORDATA 'GREENSPICE'	GREENSPICE LINDEN	2 1/2-3" CAL.	B+B
ZSYG	14	ZELKOVA SERRATA 'VILLAGE GREEN'	VILLAGE GREEN ZELKOVA	2 1/2-3" CAL.	B+B
SUBTOTAL: 162					
ORNAMENTAL TREES					
BNH	7	BETULA NIGRA 'HERITAGE'	HERITAGE RIVER BIRCH	10-12"	B+B
CCA	15	CERCIS CANADENSIS 'ALBA'	WHITE EASTERN REDBUD	2-2 1/2" CAL.	B+B
CFR	3	CORNUS FLORIDA RUBRA	PINK FLOWERING DOGWOOD	2-2 1/2" CAL.	B+B
CRHS	15	CORNUS RUTGANA 'S'	STELLAR PINK DOGWOOD HYBRID	2-2 1/2" CAL.	B+B
CYWK	2	CRATAEGUS VIRIDIS 'WINTER KING'	WINTER KING HAWTHORN	2-2 1/2" CAL.	B+B
MDW	4	MALUS 'DONALD WYMAN'	DONALD WYMAN CRABAPPLE	2-2 1/2" CAL.	B+B
MS	8	MALUS SARGENTII	SARGENT CRABAPPLE	2-2 1/2" CAL.	B+B
MSRS	15	MAGNOLIA STELLATA 'ROYAL STAR'	ROYAL STAR MAGNOLIA	5-6"	B+B
MOJ	11	MAGNOLIA X 'JANE'	COMPACT MAGNOLIA	6-7"	B+B
PSK	20	PRUNUS SERRULATA 'KWANZAN'	KWANZAN CHERRY	2-2 1/2" CAL.	B+B
SBS	17	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK JAPANESE TREE LILAC	7-8"	B+B
SUBTOTAL: 117					
EVERGREEN TREES					
ABC	65	ABIES CONCOLOR	WHITE FIR	6-7"	B+B
PAC	47	PICEA ABIES 'CUPRESSINA'	CUPRESSINA NORWAY SPRUCE	6-7"	B+B
PGL	27	PICEA GLAUCA	WHITE SPRUCE	6-7"	B+B
PS	4	PINUS STROBUS	EASTERN WHITE PINE	6-7"	B+B
TSP	75	THUJA STANDISH + PULCATA 'GREEN GIANT'	GREEN GIANT ARBORVITAE	6-7"	B+B
SUBTOTAL: 218					
SLOPE SHRUB LANDSCAPE SCHEDULE					
DECIDUOUS SHRUBS					
CS	52	CORNUS SERICEA (FORMERLY STOLONIFERA)	RED OSIER DOGWOOD	2-3"	B+B
FU	66	FORSYTHIA X INTERMEDIA 'SPECTABILIS'	SHOWY BORDER FORSYTHIA	3-4"	B+B
VC	43	VACCINIUM CORYMBOSUM	HIGHBUSH BLUEBERRY	30-36"	CONTAINER
VOC	33	VIBURNUM OPULIS 'COMPACTUM'	COMPACT EUROPEAN CRANBERRYBUSH	30-36"	B+B
VPTM	15	VIBURNUM PLICATUM 'TOMENTOSUM MARIESI'	MARIESI DOUBLEFILE VIBURNUM	30-36"	B+B
SUBTOTAL: 209					
EVERGREEN SHRUBS					
JCS	56	JUNIPERUS CHINENSIS 'SPARTAN'	SPARTAN JUNIPER	3-4"	B+B
RPM	45	RHODODENDRON CAROLINANA X PJM	PJM RHODODENDRON	24-30"	B+B
SUBTOTAL: 101					

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SITE CIVIL AND CONSULTING ENGINEERING
3D SURVEILLANCE
PROPOSED CONSTRUCTION
LANDSCAPE ARCHITECTURE
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

REVISIONS			
REV	DATE	COMMENT	DRAWN BY

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PROJECT No.: W201030
DRAWN BY: RK
CHECKED BY: MM
DATE: 03/11/2020
CAD ID: W201030_SSD

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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MASSACHUSETTS
REGISTERED LANDSCAPE ARCHITECT
No. 2513
Bohler Engineering, Inc.
No. 1285
Professional Seal

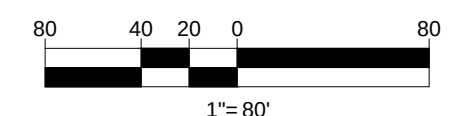
SHEET TITLE:
OVERALL
LANDSCAPE
PLAN

SHEET NUMBER:
L-001

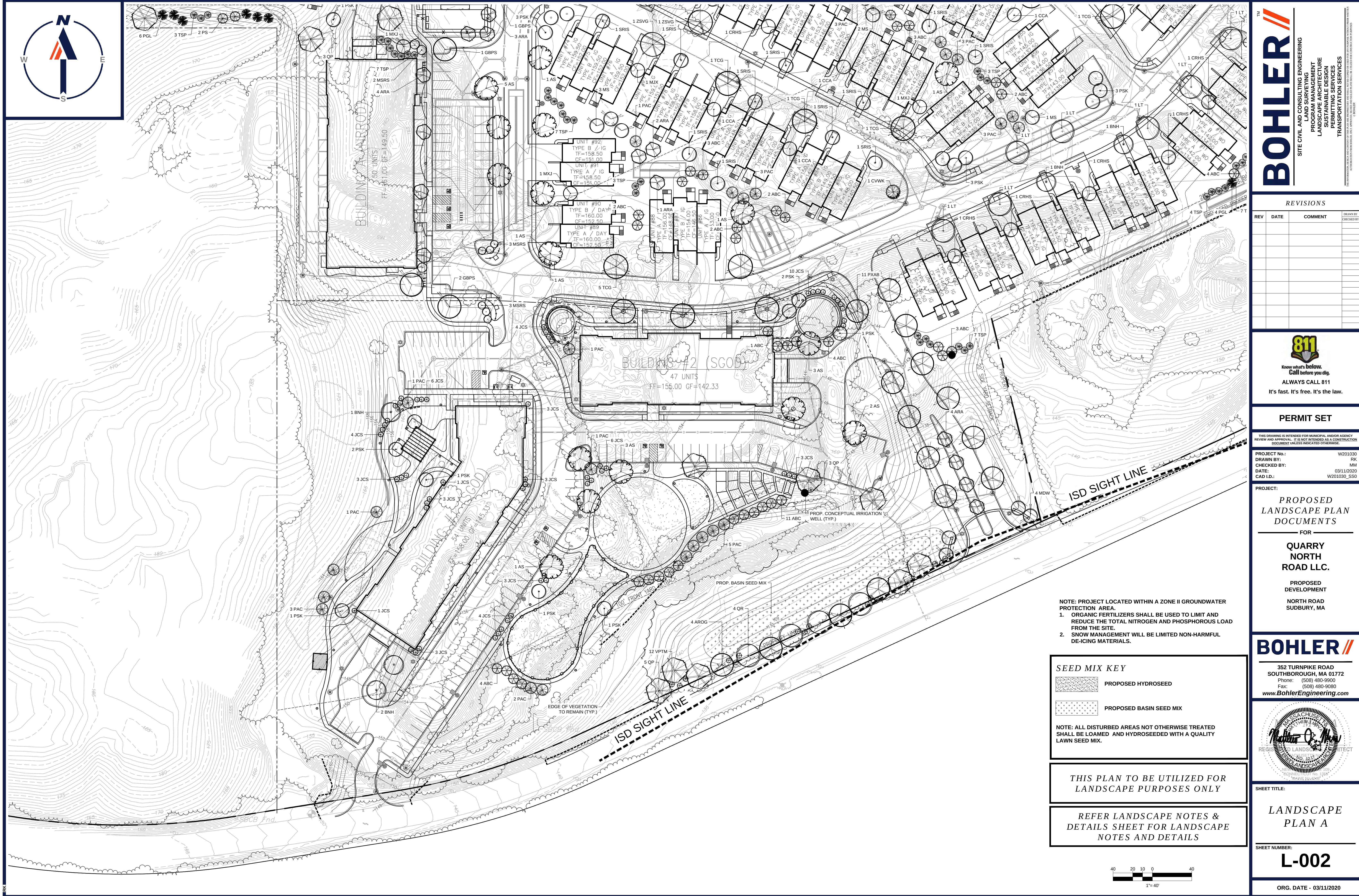
ORG. DATE - 03/11/2020

THIS PLAN TO BE UTILIZED FOR
LANDSCAPE PURPOSES ONLY

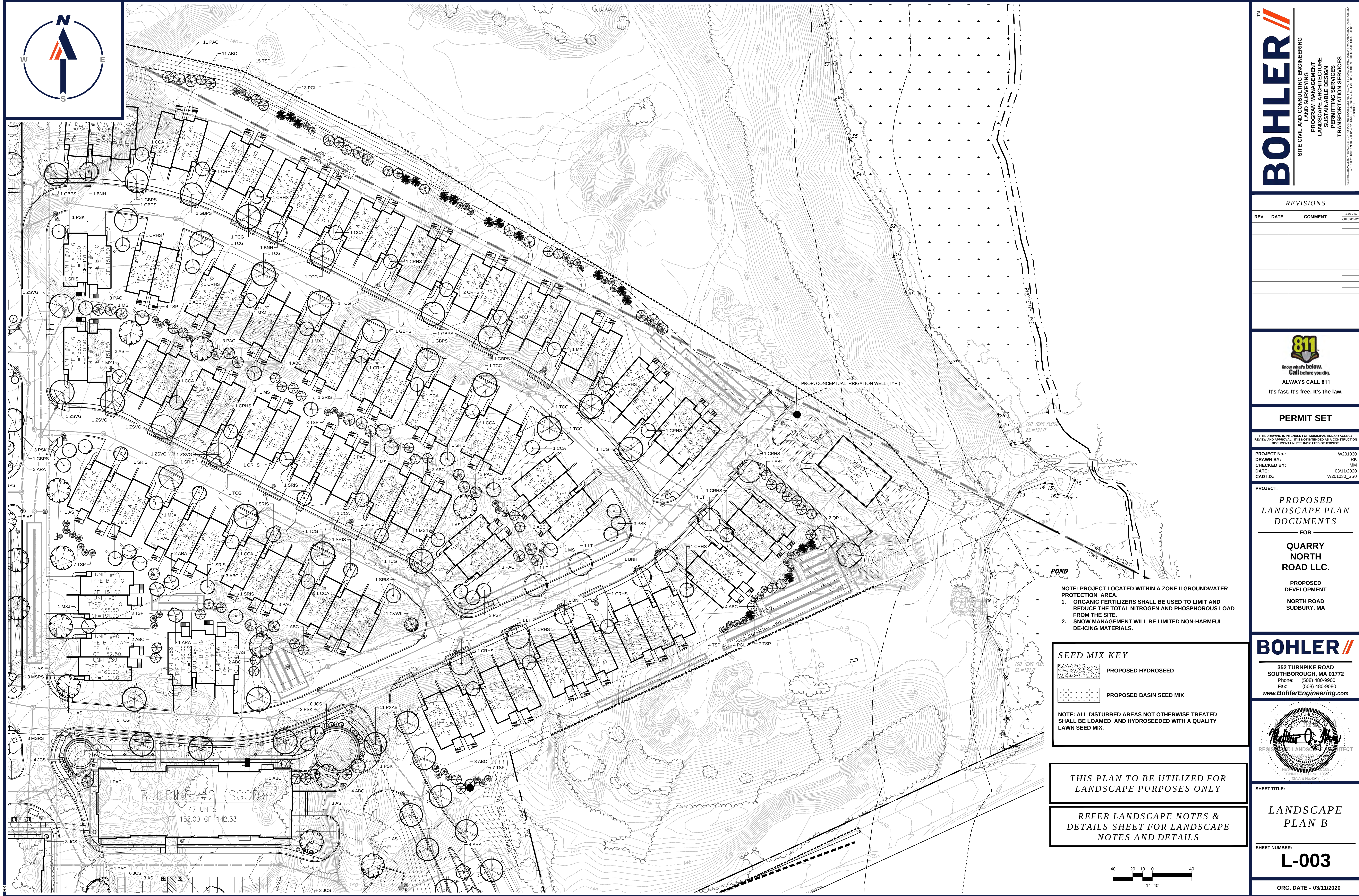
REFER LANDSCAPE NOTES &
DETAILS SHEET FOR LANDSCAPE
NOTES AND DETAILS



P:\2010\201030\DRAWINGS\PLAN SET\SSD\W201030_SSD.dwg - LAYOUT: L-001 LAND OVERALL



ORG. DATE - 03/11/2020



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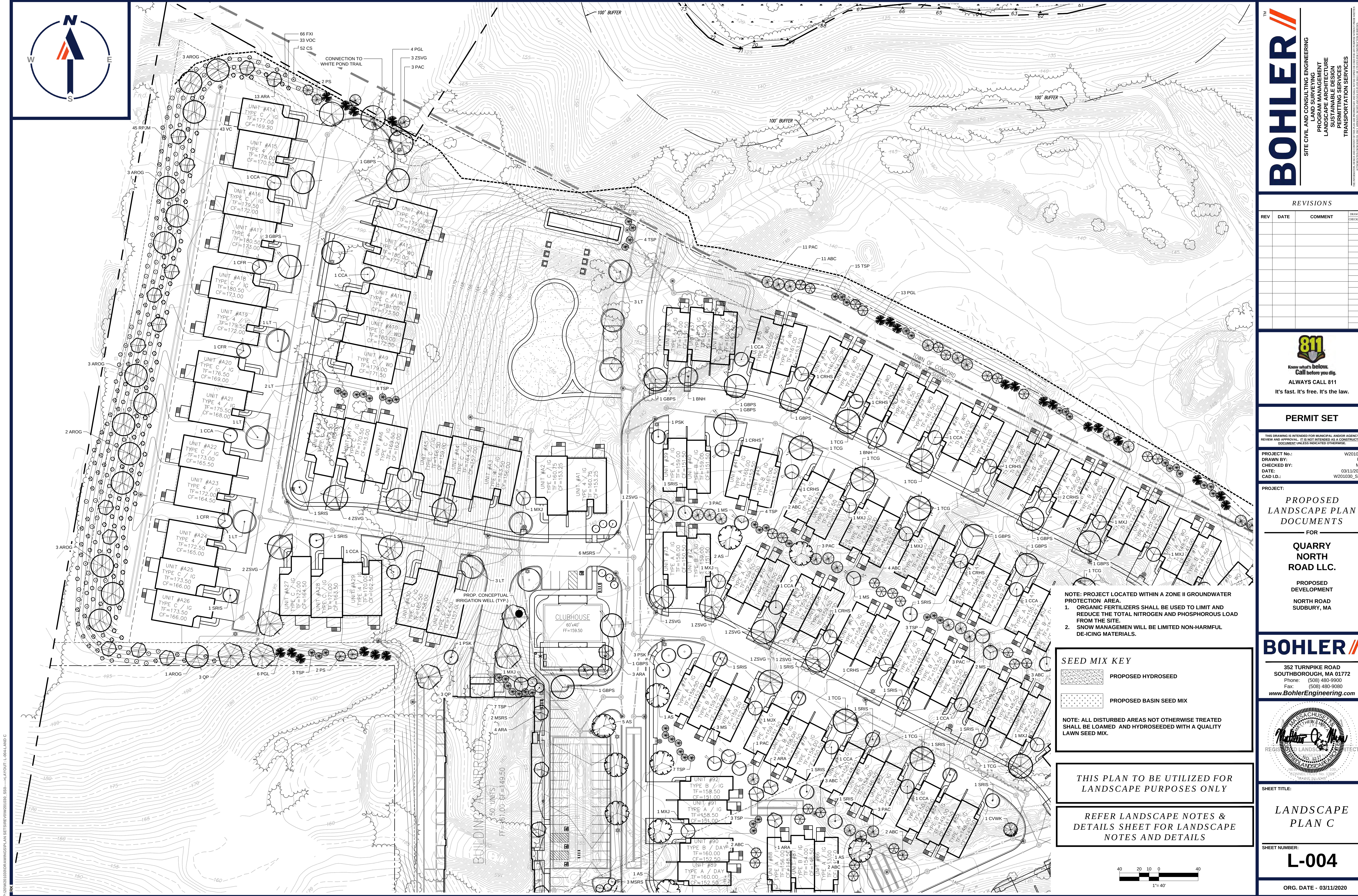
PROJECT:

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ORG. DATE - 03/11/2020

40 20 10 0 4

1" = 40'



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TM

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SITE CIVIL AND CONSULTING ENGINEERING

PROPOSED SUBMITTANT

PROSCAPE ARCHITECTURE

SUSTAINABLE DESIGN

PERMITTING SERVICES

TRANSPORTATION SERVICES

REVISIONS				
REV	DATE	COMMENT	DRAWN BY	

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PROJECT No.: W201030

DRAWN BY: RK

CHECKED BY: MM

DATE: 03/11/2020

CAD ID: W201030_SSD

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
www.BohlerEngineering.com

PROSCAPE ARCHITECT

REGISTERED LANDSCAPE ARCHITECT

MASSACHUSETTS

NO. 513

EXPIRATION DATE 12/31/2025

WALTER S. QUINN

SHEET TITLE:

LANDSCAPE PLAN C

SHEET NUMBER:

L-004

ORG. DATE - 03/11/2020

SEED MIX KEY

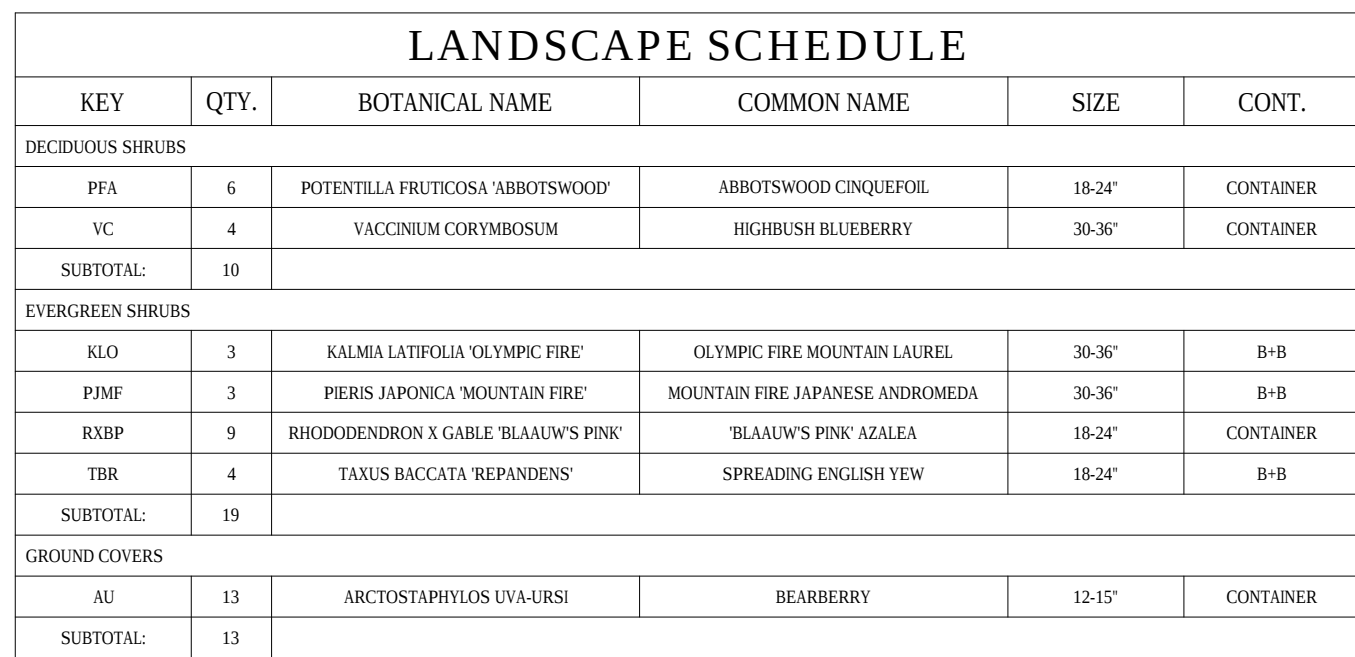
PROPOSED HYDROSEED

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 LANDSCAPE PURPOSES ONLY

REFER LANDSCAPE NOTES & DETAILS SHEET FOR LANDSCAPE NOTES AND DETAILS



TREE (TYP.) REFER TO LANDSCAPE PLAN

3 IGS

4 HPM

3 SJLP

2 RPJM

4 JHBH

2 PVHJM

4 HPM

2 RPJM

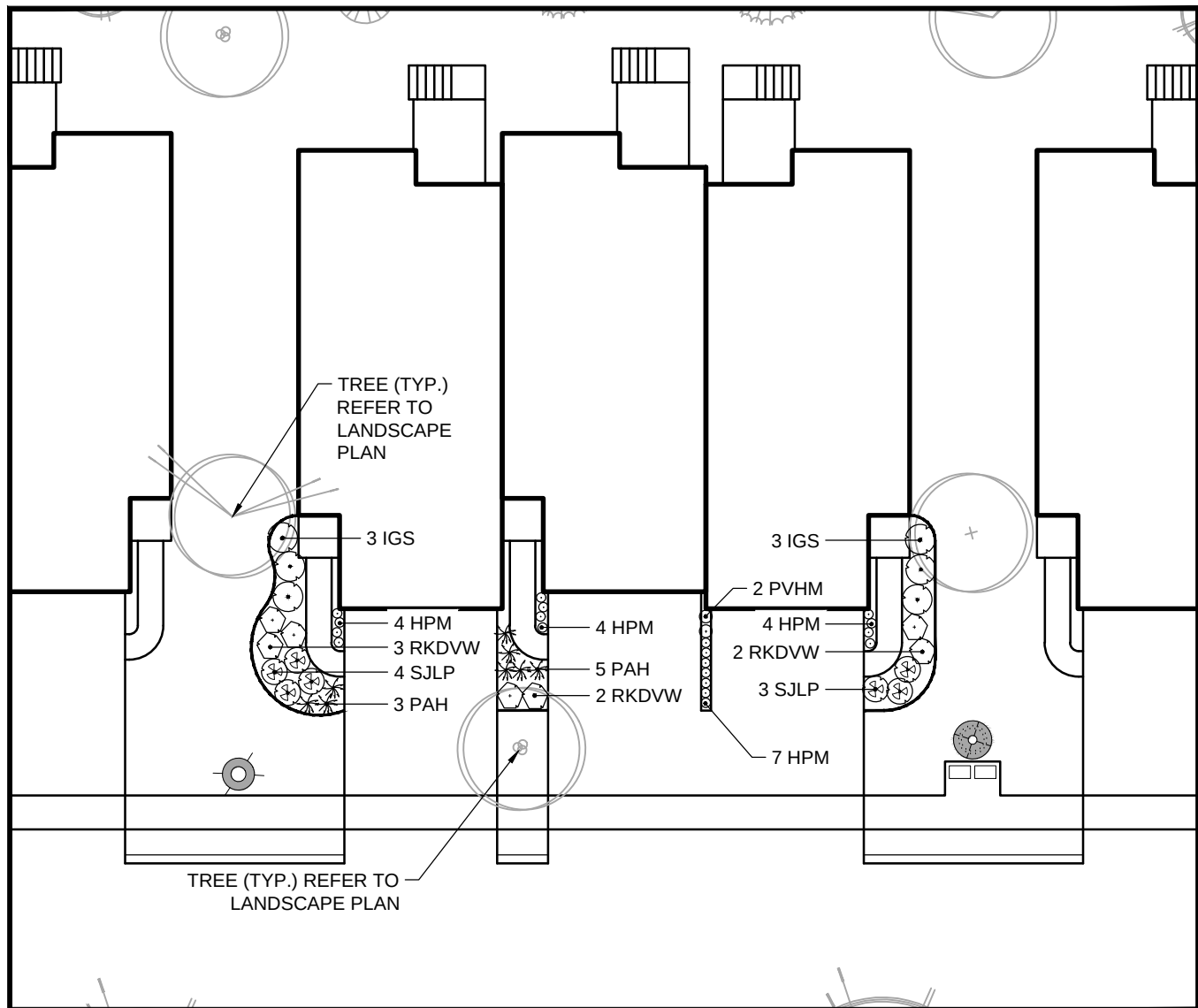
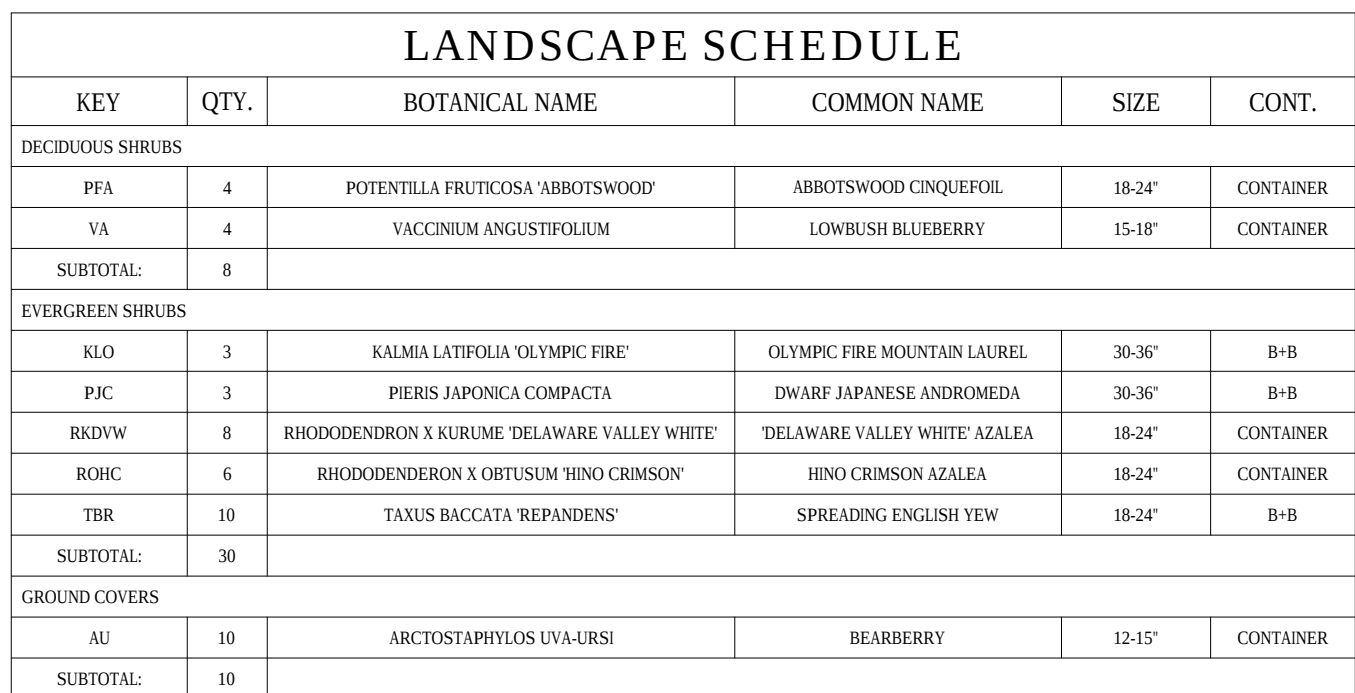
3 SJLP

4 SJS

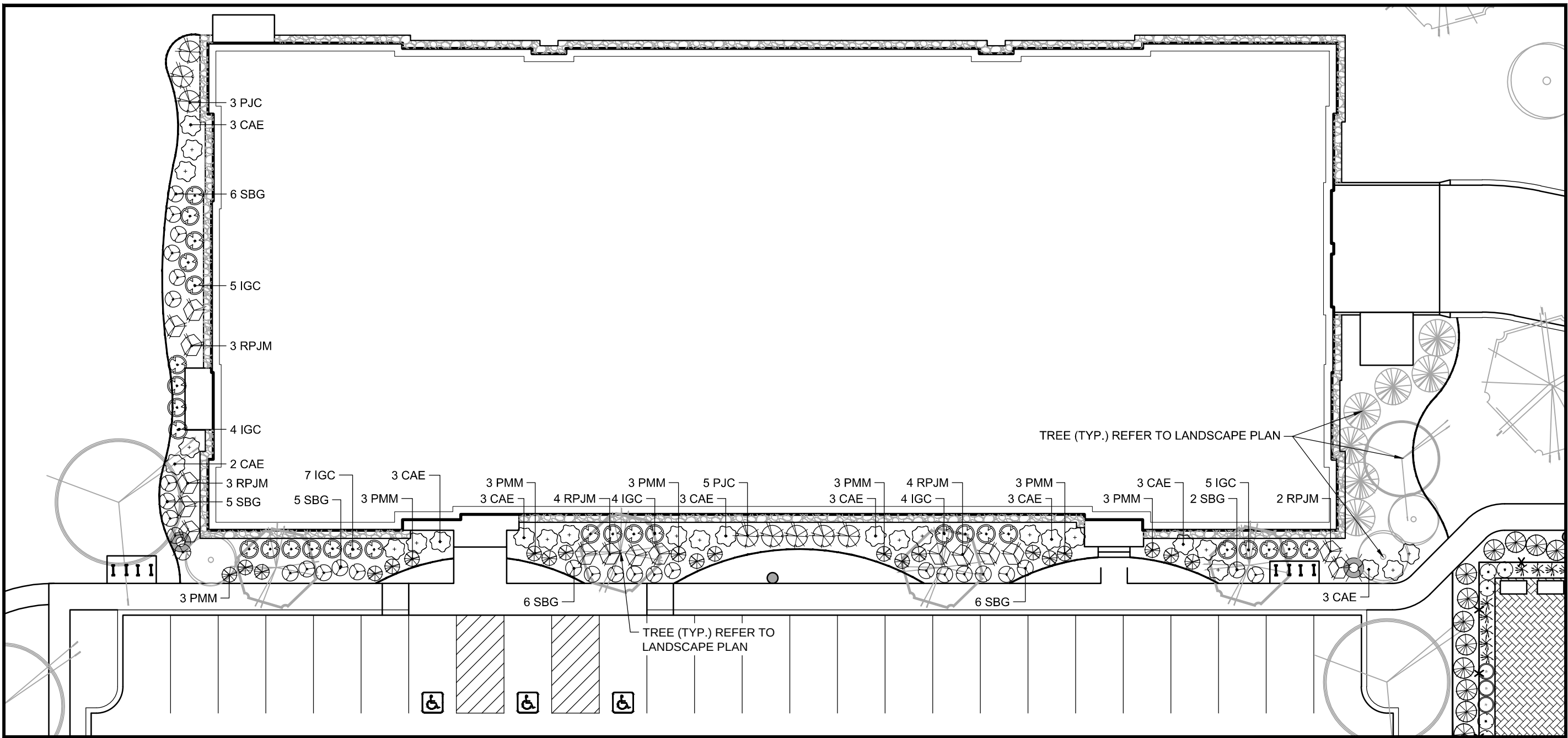
7 HPM

TREE (TYP.) REFER TO LANDSCAPE PLAN

LANDSCAPE SCHEDULE						
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	
DECIDUOUS SHRUBS						
S/LP	6	SPirea JAPONICA 'LITTLE PRINCESS'	LITTLE PRINCESS SPIREA	15-18"	CONTAINER	
SUBTOTAL:	6					
EVERGREEN SHRUBS						
IGS	6	ILEX GLABRA 'SHAMROCK'	SHAMROCK INDOBERY HOLLY	24-30"	B+B	
RPM	4	RHOODODENDRON CAROLINANA X PJM	PJM RHOODODENDRON	24-30"	B+B	
SUBTOTAL:	10					
GROUND COVERS						
JHBB	4	JUNIPERUS HORIZONTALIS 'BAR HARBOR'	BAR HARBOR CREEPING JUNIPER	15-18" SPID.	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					
SILP	7	SPIRAEA JAPONICA 'LITTLE PRINCESS'	LITTLE PRINCESS SPIREA	15-18"	CONTAINER
SUBTOTAL:	7				
EVERGREEN SHRUBS					
IGS	6	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERY HOLLY	24-30"	B+B
RSDW	7	RHODODENDRON X KURUME 'DELAWARE VALLEY WHITE'	'DELAWARE VALLEY WHITE' AZALEA	18-24"	CONTAINER
SUBTOTAL:	13				
PERENNIALS					
HPM	19	HEMEROCALLIS 'PARDON ME'	PARDON ME DAYLILY	2 GAL.	CONTAINER
SUBTOTAL:	19				
ORNAMENTAL GRASSES					
PAH	8	PENNISETUM ALOPECUROIDES 'HAMELI'	DWARF FOUNTAIN GRASS	2 GAL.	CONTAINER
PHM	2	PANICUM VIRGATUM 'HEAVY METAL'	HEAVY METAL SWITCH GRASS	2 GAL.	CONTAINER
SUBTOTAL:	10				



LANDSCAPE SCHEDULE						
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	
DECIDUOUS SHRUBS						
CAC	26	CORNUS ALBA 'ELEGANTISSIMA'	VARBEGATED RED TWIG DOGWOOD	2'-3'	B+B	
SBE	39	SPIRAEA X 'RUMALDA' 'GOLDFLAME'	GOLD FLAME SPIREA	15'-18'	CONTAINER	
SUBTOTAL:		56				
EVERGREEN SHRUBS						
IGC	29	ILEX GLABRA 'COMPACTA'	DWARF INBERRY HOLLY	24-30"	B+B	
PIC	8	PERS JAPONICA COMPACTA	DWARF JAPANESE ANDROMEDA	30-36"	B+B	
PMH	21	PONUS MUGO MUGUS	DWARF MUGO PINE	18-24"	CONTAINER	
RPJM	16	RHOIODENDRON CAROLINIANA X PJM	PJM RHOIODENDRON	24-30"	B+B	
SUBTOTAL:		74				





LANDSCAPE SCHEDULE						
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	
DECIDUOUS SHRUBS						
CA	39	CLETHRA ANIFOLIA	SUMMERSWEET CLETHRA	24-30"	CONTAINER	
CAE	13	CORUNUS ALBA 'ELEGANTISSIMA'	VARIEGATED RED TWIG DOGWOOD	2-3'	B+B	
HPB	7	HYDRANGEA PANCHEA 'BOBO'	BOBO HYDRANGEA	18-24"	CONTAINER	
HPS	31	HYPERICUM PATULUM 'SUNBEST'	SUNBEST ST. JOHNSWORT	18-24"	CONTAINER	
PHA	50	PHYSOCARPUS OPULIFOLIUS 'ANGEL'	ANGEL NINEBARK	24-30"	CONTAINER	
SUBTOTAL:	140					
EVERGREEN SHRUBS						
ICC	34	ILEX CRENATA 'COMPACTA'	COMPACT JAPANESE HOLLY	24-30"	CONTAINER	
IGCB	38	ILEX GLABRA 'GEM BOX'	DWARF INKBERY HOLLY	18-24"	CONTAINER	
IGS	16	ILEX GLABRA 'SHAMROCK'	SHAMROCK INKBERY HOLLY	24-30"	B+B	
JCS	14	JUNIPERUS CHINENSIS 'SPARTAN'	SPARTAN JUNPER	2-3'	B+B	
KL	15	KALMA LATIFOLIA	MOUNTAIN LAUREL	30-36"	B+B	
RPG	43	RHOODODENDRON 'PURPLE GEM'	PURPLE GEM RHOODODENDRON	24-30"	CONTAINER	
TOF	94	THUJA OCCIDENTALIS 'TIRE CHIEF'	DWARF GREEN ARBORVITAE	18-24"	B+B	
SUBTOTAL:	254					
ORNAMENTAL GRASSES						
MSP	20	MISCHANTHUS SINENSIS 'PURPURASCENS'	MADEN FLAME GRASS	2 GAL.	CONTAINER	
SUBTOTAL:	20					



REVISIONS



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PROJECT:

QUARRY
NORTH
ROAD LLC.

BOHLER //

MASSACHUSETTS
MATTHEW J. MOYA
REGISTERED PROFESSIONAL LANDSCAPE ARCHITECT
No. 1217
"CONNECTICUT No. 1348"

SHEET TITLE:

SHEET NUMBER:

L-006

ORG. DATE - 03/11/2020



SCALE: 1" = 20'



SCALE: 1" = 20'

REVISIONS

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PROJECT No.: W201030
DRAWN BY: R
CHECKED BY: M
DATE: 03/11/2020
CAD I.D.: W201030_SS

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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SHEET TITLE:

LANDSCAPE
PLAN
ENLARGEMENTS

SHEET NUMBER

L-007

ORG. DATE - 03/11/2020



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SITE CIVIL AND CONSULTING ENGINEERING

LAND SURVEYING

PROGRAM MANAGEMENT

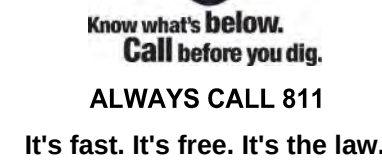
LANDSCAPE ARCHITECTURE

SUSTAINABLE DESIGN

PERMITTING SERVICES

TRANSPORTATION SERVICES

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PROJECT No.:	W201030
DRAWN BY:	
CHECKED BY:	
DATE:	03/11/20
CAD I.D.:	W201030_S

PROJECT:

PROPOSED
LANDSCAPE PLAN
DOCUMENTS
FOR

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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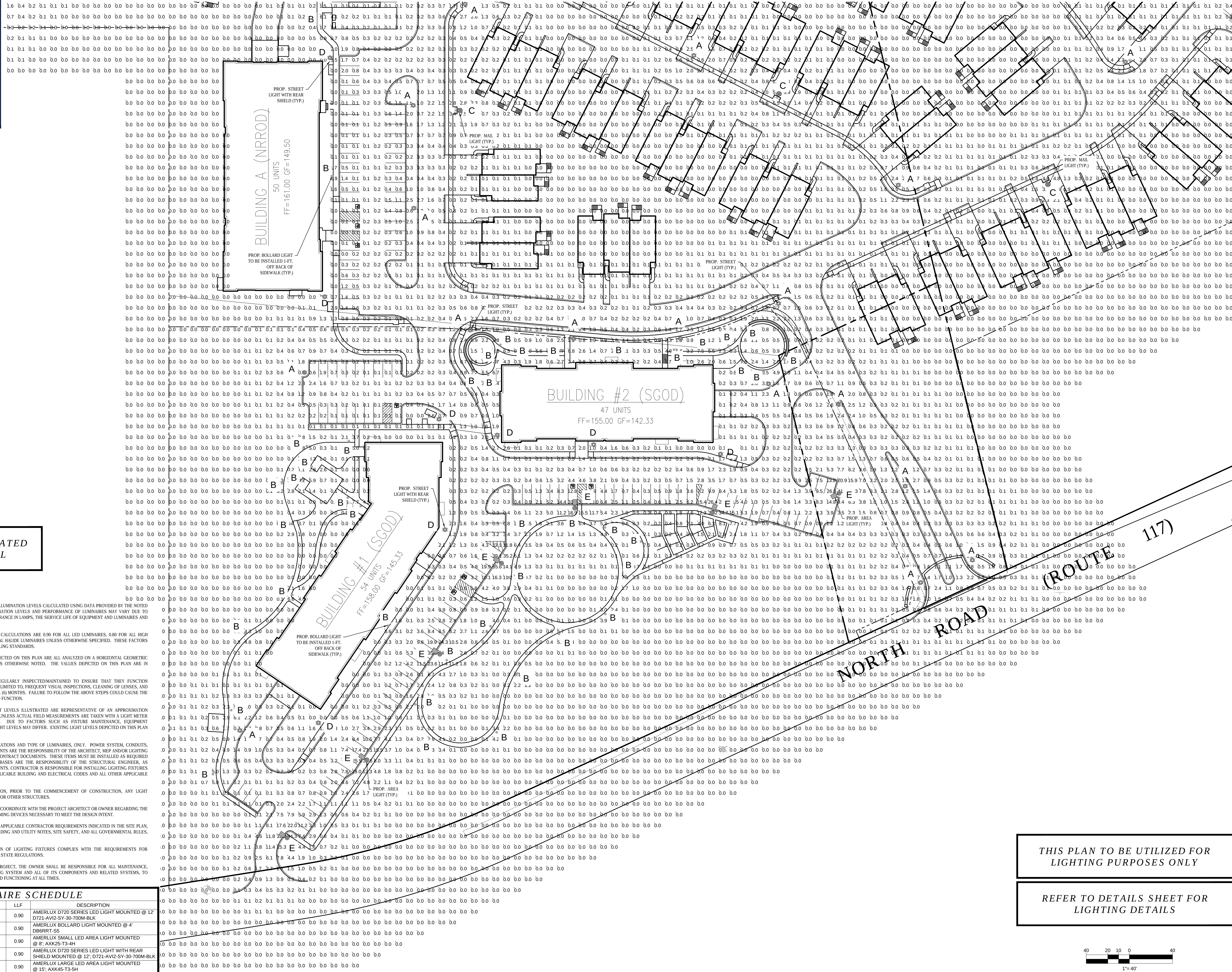
SHEET TITLE:

LANDSCAPE
PLAN
ENLARGEMENTS

SHEET NUMBER:

L-008

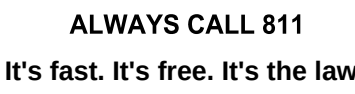
ORG. DATE - 03/11/2020



1. 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.
2. THE LIGHT LOSS FACTORS USED IN THESE LIGHTING CALCULATIONS ARE 0.90 FOR ALL LED LUMINAIRES, 0.80 FOR ALL OTHER LUMINAIRES. THESE LOSS FACTORS ARE INDICATIVE OF TYPICAL LIGHTING INDUSTRY MODELING STANDARDS.
3. 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 FOOTCANDELS.
4. THE LUMINAIRES, LAMPS AND LENSES MUST BE REGULARLY INSPECTED/MAINTAINED TO ENSURE THAT THEY FUNCTION PROPERLY. THIS WORK SHOULD BE LIMITED, 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.
5. 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.
6. THIS LIGHTING PLAN IS INTENDED TO SHOW THE LOCATIONS AND TYPE OF LUMINAIRES, ONLY. POWER SYSTEM, CONDUITS, WIRING, VOLTAGES AND OTHER ELECTRICAL COMPONENTS ARE THE RESPONSIBILITY OF THE ARCHITECT, MEP AND/OR LIGHTING CONSULTANT AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS. THESE ITEMS MUST BE INSTALLED AS REQUIRED BY STATE AND LOCAL REGULATIONS. LIGHT POLE BASES ARE THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER, AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR INSTALLING LIGHTING FIXTURES AND APPURTENANCES IN ACCORDANCE WITH ALL APPLICABLE BUILDING ELECTRICAL CODES AND ALL OTHER APPLICABLE RULES, REGULATIONS, LAWS AND STATUTES.
7. CONTRACTOR MUST BRING TO DESIGNER'S ATTENTION, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ANY LIGHT LOCATIONS THAT CONFLICT WITH DRAINAGE, UTILITIES, OR OTHER STRUCTURES.
8. IT IS THE LIGHTING CONTRACTORS 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.
9. 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.
10. THE CONTRACTOR MUST VERIFY THAT INSTALLATION OF LIGHTING FIXTURES COMPLIES WITH THE REQUIREMENTS FOR SEPARATION FROM OVERHEAD ELECTRICAL WIRES PER STATE REGULATION.
11. 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.

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SITE CIVIL AND CONSULTING ENGINEERING
LAND SURVEYING
PROGRAM MANAGEMENT
LAND DEVELOPMENT
SUSTAINABLE DESIGN
PERMITTING SERVICES
TRANSPORTATION SERVICES

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PROJECT:

PROPOSED DEVELOPMENT

SUDBURY, MA

352 TURNPIKE ROAD
JUTHBOROUGH, MA 01772

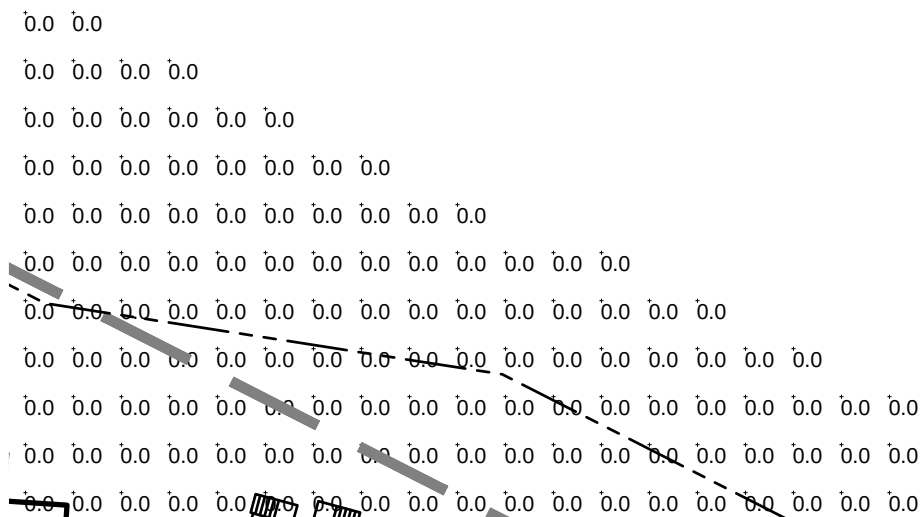
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SHEET NUMBER

L-009

ORG. DATE - 03/11/2020



LIGHTING NOTES

1. THIS LIGHTING PLAN DEPICTS PROPOSED SUSTAINED LUMINATION 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 CONDITIONS, TOLERANCE IN LAMPS, THE SERVICE LIFE OF EQUIPMENT AND LUMINAIRES AND OTHER RELATED VARIABLE FIELD CONDITIONS.
2. 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 MODERATE STANDARDS.
3. THE LIGHTING VALUES AND CALCULATION POINTS DEPICTED ON THIS PLAN ARE ALL ANALYZED ON A HORIZONTAL GEOMETRIC VERTICAL ELEVATION ZERO (GROUND LEVEL) UNLESS OTHERWISE NOTED. THE VALUES DEPICTED ON THIS PLAN ARE IN FOOTCANTS.
4. 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.
5. 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.
6. THIS LIGHTING PLAN IS INTENDED TO SHOW THE LOCATIONS AND TYPE OF LUMINAIRES, ONLY. POWER SYSTEM, CONDUITS, WIRING, VOLTAGES AND OTHER ELECTRICAL COMPONENTS ARE THE RESPONSIBILITY OF THE ARCHITECT, MEP AND/OR LIGHTING CONSULTANT AND CONTRACTOR UNDER THE LIGHTING INSTALLATION CONTRACT DOCUMENTS. THESE ITEMS MUST BE INSTALLED AS REQUIRED BY STATE AND LOCAL REGULATIONS. LIGHT POLE BASES ARE THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER, AS INDICATED IN THE CONSTRUCTION CONTRACT DOCUMENTS. CONTRACTOR IS RESPONSIBLE FOR INSTALLING LIGHTING FIXTURES AND APPURTENANCES IN ACCORDANCE WITH ALL APPLICABLE BUILDING AND ELECTRICAL CODES AND ALL OTHER APPLICABLE RULES, REGULATIONS, LAWS AND STATUTES.
7. CONTRACTOR MUST BRING TO DESIGNER'S ATTENTION, PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ANY LIGHT LOCATIONS THAT CONFLICT WITH DRAINAGE, UTILITIES, OR OTHER STRUCTURES.
8. 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.
9. THE INCLUDING 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.
10. THE CONTRACTOR MUST VERIFY THAT INSTALLATION OF LIGHTING FIXTURES COMPLIES WITH THE REQUIREMENTS FOR SEPARATION FROM OVERHEAD ELECTRICAL WIRES PER STATE REGULATION.
11. 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	LLF	DESCRIPTION
 A	26	STREET LIGHT	4,240	0.90	AMERLUX D720 SERIES LED LIGHT MOUNTED @ 12' D721-AV2-SY-30-700M-BLK
 B	43	BOLLARD LIGHT	N/A	0.90	AMERLUX BOLLARD LIGHT MOUNTED @ 4' DBRR1T-SS
 C	5	MAIL LIGHT	9,869	0.90	AMERLUX SMALL LED AREA LIGHT MOUNTED @ 8', AKX25-T3-4H
 D	8	STREET LIGHT	4,240	0.90	AMERLUX D720 SERIES LED LIGHT WITH REAR SHIELD MOUNTED @ 12', D721-AV2-SY-30-700M-BLK
 E	7	SINGLE AREA LIGHT	25,737	0.90	AMERLUX LARGE LED AREA LIGHT MOUNTED @ 15', AKX45-T3-5H

LUMINAIRE SCHEDULE

SYM	QTY	ARRANGEMENT	LUMENS	LLF	DESCRIPTION
	A	26 STREET LIGHT	4,240	0.90	AMERLUX D720 SERIES LED LIGHT MOUNTED @ 12' D721-AV12-SV-30-700M-BLK
	B	43 BOLLARD LIGHT	N/A	0.90	AMERLUX BOLLARD LIGHT MOUNTED @ 4' DBSRRT-SS
	C	5 MAIL LIGHT	9,869	0.90	AMERLUX SMALL LED AREA LIGHT MOUNTED @ 8' AX125-T3-4H
	D	8 STREET LIGHT	4,240	0.90	AMERLUX D720 SERIES LED LIGHT WITH REAR SHIELD MOUNTED @ 12' D721-AV12-SV-30-700M-BLK
	E	7 SINGLE AREA LIGHT	25,370	0.90	AMERLUX LARGE LED AREA LIGHT MOUNTED @ 15' AX145-T3-5H

The logo for Bohler, featuring the word "BOHLER" in a bold, dark blue, sans-serif font. Above the text is a stylized graphic consisting of two parallel orange diagonal lines. To the right of the lines is a small "TM" trademark symbol.

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PROJECT No.: W201030
DRAWN BY: R
CHECKED BY: M
DATE: 03/11/2020
CAD I.D.: W201030_SS

PROJECT:

PROPOSED
LANDSCAPE PL
DOCUMENTS

ARRY

**NORTH
ROAD LLC.**

PROPOSED
DEVELOPMENT

NORTH ROAD

SUDBURY, MA

BOHLER //

352 TURNPIKE ROAD
SOUTHBOROUGH, MA 01772

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www.BohlerEngineering.com



SHEET TITLE:

*LIGHTING
PLAN B*

SHEET NUMBER

L-010

ORG. DATE - 03/11/2020

RK

STREET -
TH REAR
LD (TYP.)

BUILDING #2 (SGOD)

47 UNITS

5.00 GF=142.33

Figure 1 shows a horizontal bar divided into segments of 40, 20, 10, 0, and 40 feet. The segments are labeled with their respective lengths above the bar. The bar is divided into alternating black and white segments. The scale is indicated as 1 inch equals 40 feet.

 $\alpha = 40^\circ$

