

LANDSCAPE SCHEDULE					
KEY	QTY.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
SHADE TREE(S)					
ARAF	32	ACER RUBRUM 'AUTUMN FLAME'	AUTUMN FLAME RED MAPLE	2 1/2-3" CAL.	B-H
ARF	22	ACER RUBRUM 'FRANKSRED'	RED SUNSET MAPLE	2 1/2-3" CAL.	B-H
AROG	24	ACER RUBRUM 'OCTOBER GLORY'	OCTOBER GLORY RED MAPLE	2 1/2-3" CAL.	B-H
QA	41	QUERCUS ALBA	WHITE OAK	2 1/2-3" CAL.	B-H
LS	14	LIQUIDAMBAR STYRACIFLUA 'HAPPIDAZE'	AMERICAN SWEETGUM	2 1/2-3" CAL.	B-H
CCA	41	CARPINUS CAROLINIANA	EUROPEAN HORNBEAM	2 1/2-3" CAL.	B-H
FS	18	FAGUS SYLVATICA 'RIVERSI'	EUROPEAN BEECH	2 1/2-3" CAL.	B-H
GTI	43	GLEDITSIA TRIACANTHOS INERMIS	THORNLESS HONEYLOCUST	2 1/2-3" CAL.	B-H
NS	29	NYSSA SYLVATICA	SOURGUM OR TUPELO	2 1/2-3" CAL.	B-H
QP	32	QUERCUS PALUSTRIS	PIN OAK	2 1/2-3" CAL.	B-H
TCG	24	TILIA CORDATA 'GREENSPIRE'	GREENSPIRE LINDEN	2 1/2-3" CAL.	B-H
ZS	67	ZELKOVA SERRATA 'GREEN VASE'	GREEN VASE ZELKOVA	2 1/2-3" CAL.	B-H
SUBTOTAL:	387				
ORNAMENTAL TREE(S)					
BN	12	BETULA NIGRA	MULTI STEM RIVER BIRCH	12-14"	B-H
CF	15	CORNUS FLORIDA	WHITE FLOWERING DOGWOOD	2 1/2-3" CAL.	B-H
MS	12	MALUS SARGENTII	SARGENT CRABAPPLE	2 1/2-3" CAL.	B-H
MSC	6	MAGNOLIA STELLATA 'CENTENNIAL'	CENTENNIAL MAGNOLIA	2 1/2-3" CAL.	B-H
SUBTOTAL:	45				
EVERGREEN TREE(S)					
PM	82	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	6-7"	B-H
PN	37	PINUS NIGRA	AUSTRIAN PINE	6-7"	B-H
PPG	113	PICEA PUNGENS GLAUCA	COLORADO BLUE SPRUCE	7-8"	B-H
PS	104	PINUS STROBUS	EASTERN WHITE PINE	6-7"	B-H
SUBTOTAL:	236				
EVERGREEN SHRUB(S)					
JCBP	17	JUNIPERUS CHINENSIS 'BLUE POINT'	BLUE POINT JUNIPER	4-5"	B-H
SUBTOTAL:	17				

COVENANTS TO BE RECORDED HEREWITH.

APPROVED _____ SUBJECT TO COVENANT CONDITIONS SET FORTH IN A COVENANT EXECUTED BY _____ DATED _____ AND TO BE RECORDED HEREWITH.

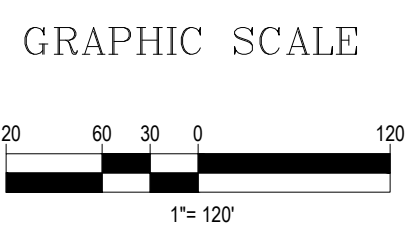
I, TOWN CLERK OF THE TOWN OF NORFOLK, RECEIVED AND RECORDED FROM THE ZONING BOARD OF APPEALS APPROVAL OF THIS PLAN AND NO APPEAL HAS BEEN TAKEN FOR TWENTY DAYS NEXT AFTER RECEIPT AND RECORDING OF SAME.

TOWN CLERK _____ DATE _____

I DECLARE THAT THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS

FOR REGISTRY USE ONLY

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1/15/18	REVISIONS	LDF

LEGEND

- PROPOSED SPECIAL PAVING
- PROPOSED SEEDED LAWN
- PROPOSED BASIN MIX
- PROPOSED CONSERVATION MIX
- PROPOSED REFORESTATION AREA
- PROPOSED TREE LINE
- PROPOSED STREET LIGHTING
- PROPOSED MAILBOX
- PROPOSED GAZEBO
- ABBYVILLE COMMONS

NORFOLK ZONING BOARD OF APPEALS

DATE APPROVED	_____
DATE ENDORSED	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____
_____	_____

REFORESTATION AREA

(TYPICAL OF 3 AREAS)

PLANT LIST

DECIDUOUS TREES: MINIMUM SIZE 3/4" CALIPER, MAXIMUM SIZE 2" CALIPER

EVERGREEN TREES: MINIMUM SIZE 2" HEIGHT, MAXIMUM SIZE 4" HEIGHT

NATIVE SPECIES TO INCLUDE: RED MAPLE, RED OAK, SUGAR MAPLE, AMERICAN BEECH, SHAGBARK HICKORY, EASTERN WHITE PINE, AMERICAN HOLLY, EASTERN RED CEDAR.

NEW ENGLAND SHOWY WILDFLOWER MIX

- APPLICATION: 23 LBS/ACRE

SPECIES LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM), RED FESCUE (FESTUCA RUBRA), INDIAN GRASS (SORGHASTRUM NUTANS), PARTRIDGE PEA (CHAMAECRISTA FASCICULATA), CANADA WILD RYE (ELYMUS CANADENSIS), RIVERBANK WILD RYE (ELYMUS RIPARIUS), BUTTERFLY MILKWEED (ASCLEPIAS TUBEROSA), BLACK EYED SUSAN (RUDBECKIA HIRTA), LANCE LEAVED COREOPSIS (COREOPSIS LANCEOLATA), OX EYE SUNFLOWER (HELIOPSIS HELIANTHOIDES), COMMON SNEEZEWEED (HELENIUM AUTUMNALE), MARSH BLAZING STAR (LIATRIS SPICATA), BLUE VERVAIN (VERBENA HASTATA), NEW ENGLAND ASTER (ASTER NOVAE-ANGLIAE), WILD BLUE FALSE INDIGO (BAPTISIA AUSTRALIS), HOLLOWSTEM JOE PYE WEED (EUPATORIUM FISTULOSUM/ EUTROCHUM FISTULOSUM), EARLY GOLDENROD (SOLIDAGO JUNCEA).

M.J. MRVA

REGISTERED LANDSCAPE ARCHITECT

MASSACHUSETTS No. 1217
RHODE ISLAND No. 419
NEW YORK No. 002359
NEW HAMPSHIRE No. 109
CONNECTICUT No. 1359

LANDSCAPE ARCHITECT

BOHLER ENGINEERING

352 TURNPIKE ROAD
SOUTHBOROUGH, MA
Phone: (508) 480-9900

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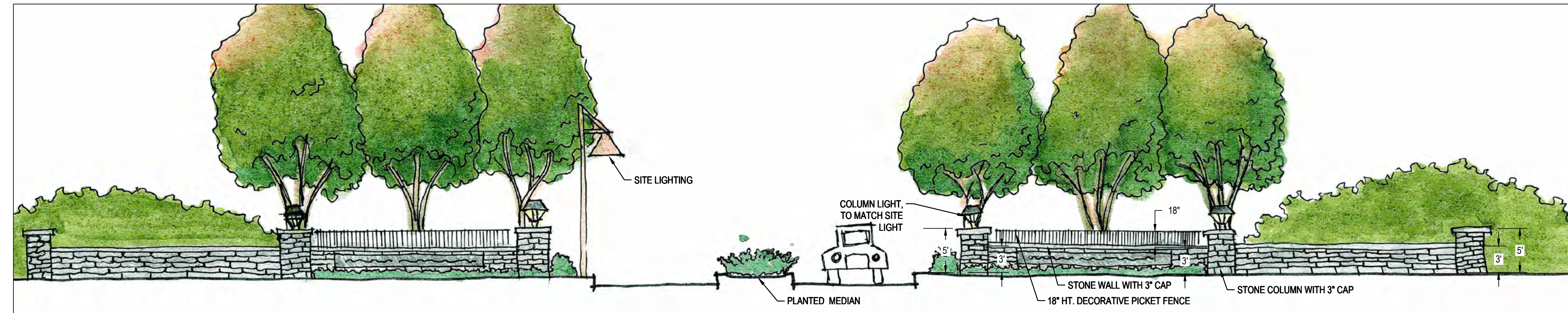
850 FRANKLIN STREET SUITE 11D
WRENTHAM, MASSACHUSETTS 02093
508-384-6560 FAX 508-384-6566

DATE	SEPT. 26, 2016
SCALE	1" = 120'
PROJECT	UC987
SHEET	L-1 OF 14

THE PRESERVE AT ABBYVILLE & ABBYVILLE COMMONS
LANDSCAPE MASTER PLAN
NORFOLK, MASSACHUSETTS
FOR
ABBYVILLE RESIDENTIAL, LLC.
850 FRANKLIN STREET
WRENTHAM, MASSACHUSETTS
DATE: MARCH 15, 2017
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1
L-2

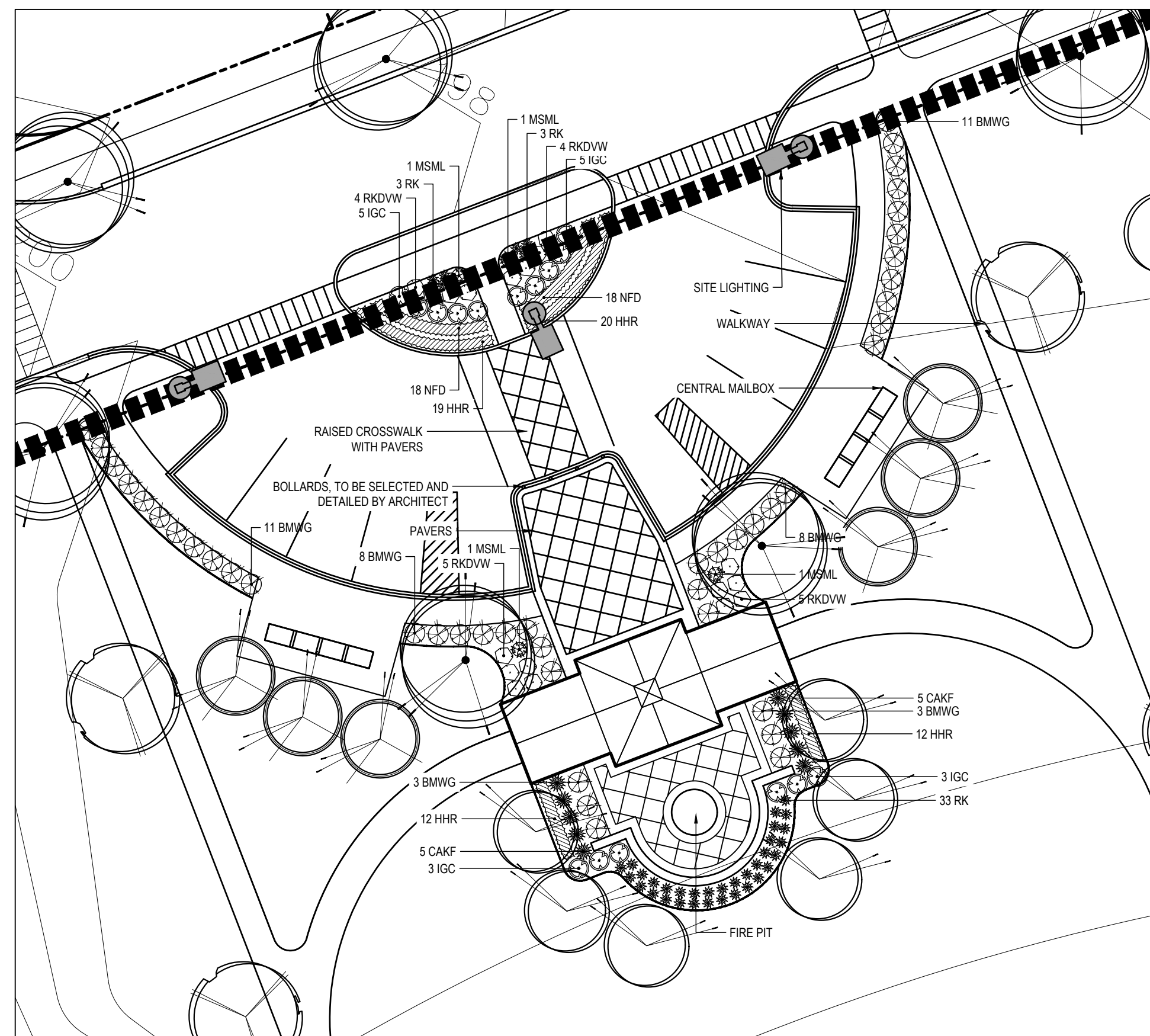
MAIN ENTRANCE PLAN ENLARGEMENT
SCALE: 1" = 20'



3 MAIN ENTRANCE ELEVATION
L-2 SCALE: 1" = 10'

2
L-2

CENTRAL COMMON PLAN ENLARGEMENT
SCALE: 1" = 20'

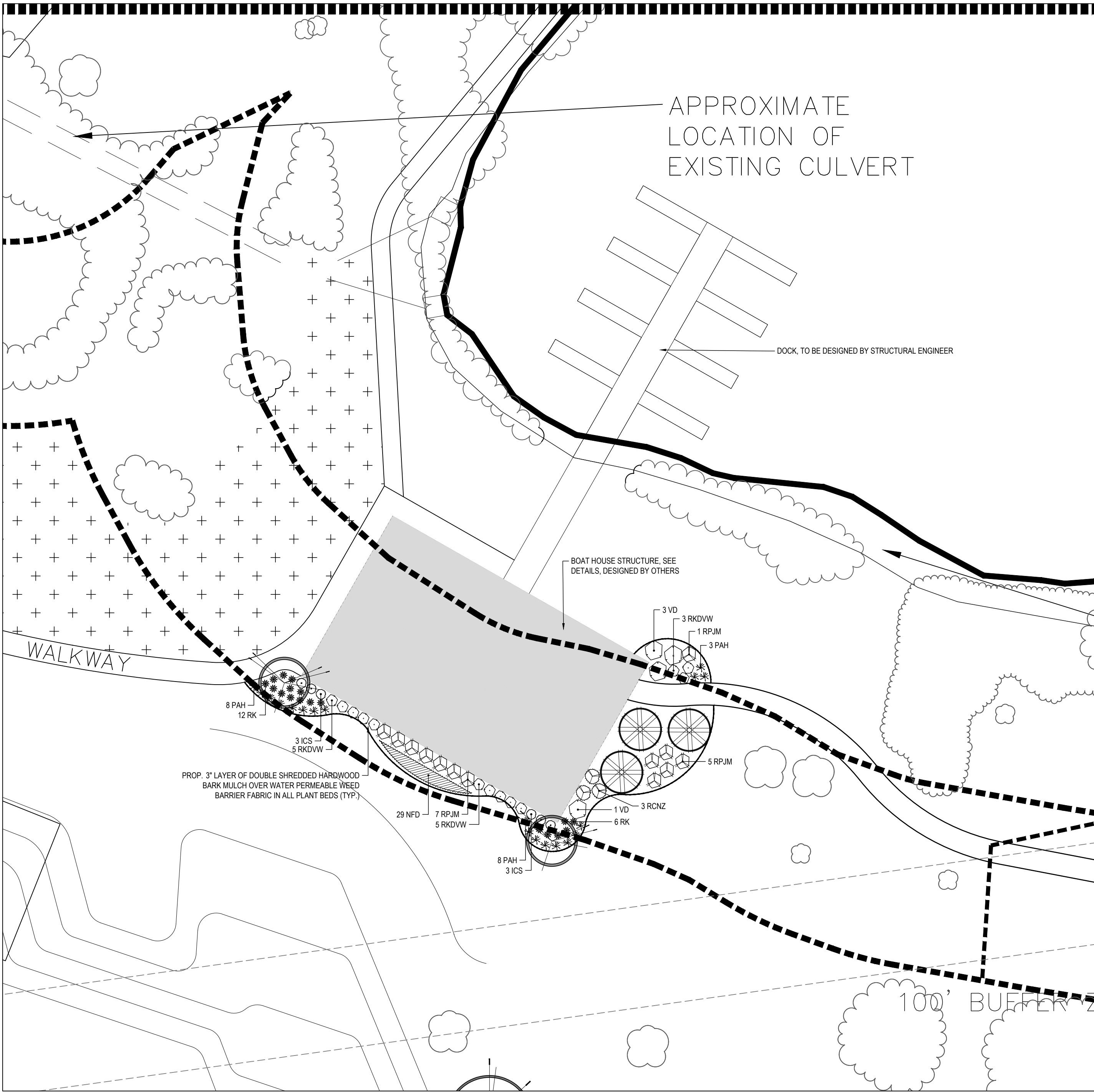


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DECIDUOUS SHRUB(S)					
VD	4	VIBURNUM DENTATUM	ARROWWOOD VIBURNUM	3-4'	B+B
SUBTOTAL	4				
EVERGREEN SHRUB(S)					
ICS	6	ILEX CRENATA 'STEEDS'	STEEDS JAPANESE HOLLY	30-38"	#3 CAN
RCNZ	3	RHOODOENDRON CATAWBIENSE 'NOVA ZEMBLA'	NOVA ZEMBLA RHOODOENDRON	30-38"	B+B
RKDVW	13	RHOODOENDRON X KURUME 'DELAWARE VALLEY WHITE'	'DELAWARE VALLEY WHITE' AZALEA	18-24"	#3 CAN
RPJM	13	RHOODOENDRON CAROLINIANA X PJM	PJM RHOODOENDRON	24-30"	B+B
SUBTOTAL	35				
PERENNIAL(S)					
NFD	29	NEPETA X FAASSENII 'DROPMORE'	DROPMORE CAT MINT	2 GAL.	CONTAINER
RK	18	ROSA 'KNOCKOUT'	KNOCKOUT ROSE	2 GAL.	CONTAINER
SUBTOTAL	47				
ORNAMENTAL GRASS(S)					
PAH	19	PENNISETUM ALOPECUROIDES 'HAEMLY'	DWARF FOUNTAIN GRASS	2 GAL.	CONTAINER
SUBTOTAL	19				

1 BOATHOUSE PLAN ENLARGEMENT
L-3 SCALE: 1" = 20'

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NORFOLK ZONING BOARD
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LANDSCAPE MASTER PLAN
NORFOLK, MASSACHUSETTS
FOR
ABBYVILLE RESIDENTIAL, LLC.
850 FRANKLIN STREET
WRENTHAM, MASSACHUSETTS
DATE: MARCH 15, 2017
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M.J. MRVA

REGISTERED
LANDSCAPE ARCHITECT

MASSACHUSETTS No. 12117
RHODE ISLAND No. 419
NEW YORK No. 002359
NEW HAMPSHIRE No. 109
CONNECTICUT No. 1359

LANDSCAPE ARCHITECT



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ENGINEERING

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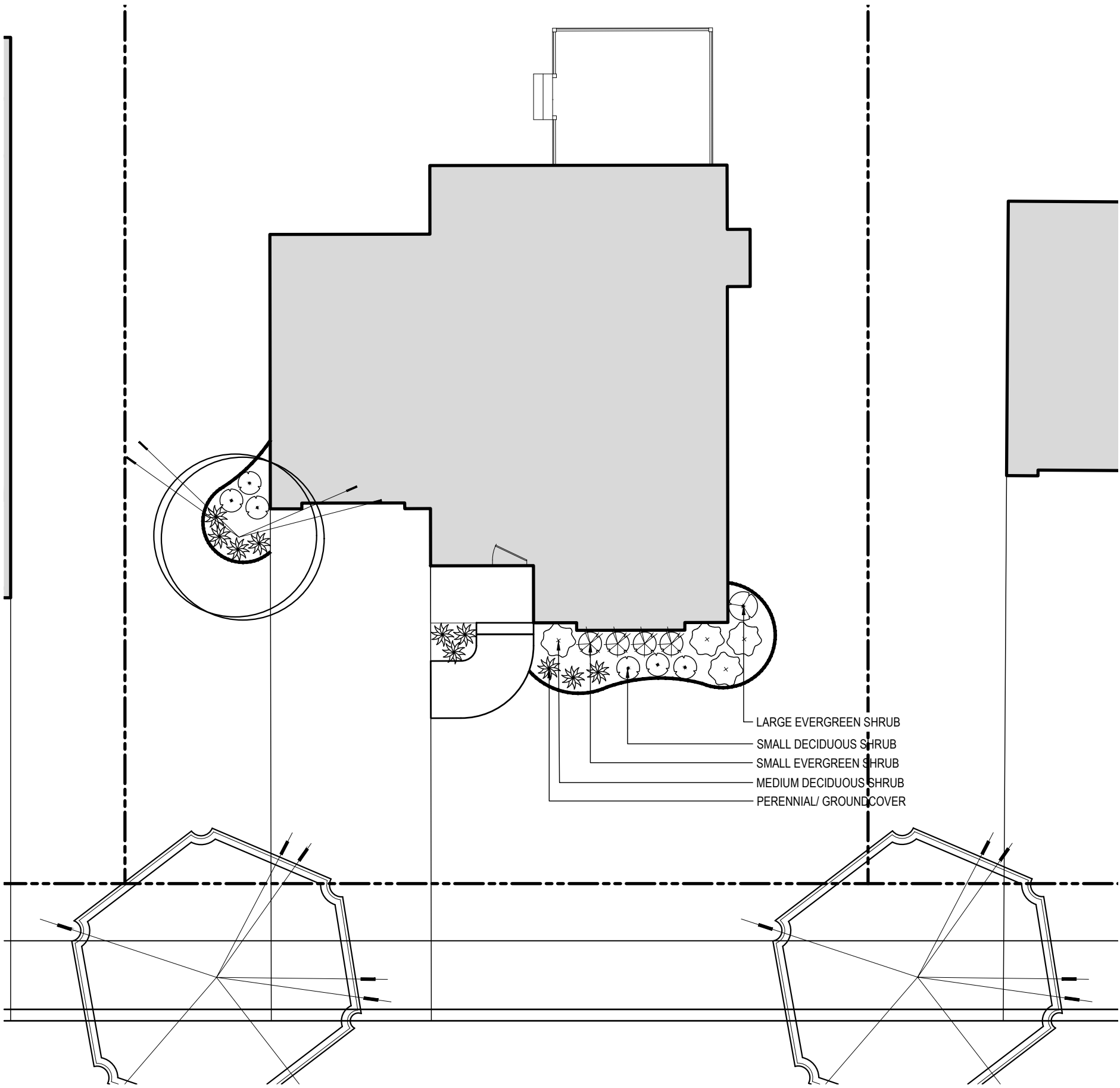
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PROJECT

UC987

SHEET

L-3 OF 14



1
L-4

PROTOTYPICAL SINGLE FAMILY UNIT PLAN ENLARGEMENT

SCALE: 1" = 10'

PROTOTYPICAL SINGLE FAMILY UNIT PLANT LIST

ORNAMENTAL TREES

(1 PER HOUSE, 1.5-2" CALIPER)

EASTERN REDBUD, OKAME CHERRY, PEEGEE HYDRANGEA (TREE FORM), FLOWERING PEAR VARIETIES, KOUSA DOGWOOD VARIETIES, FLOWERING DOGWOOD VARIETIES, FLOWERING CRABAPPLE VARIETIES.

LARGE EVERGREEN SHRUBS

(1-2 PER HOUSE, 30-36" HEIGHT)

CATAWABA RHODODENDRON, FERNLEAF FALSE CYPRESS, EMERALD ARBORVITAE, KETELEERI JUNIPER, CHINA GIRL/ CHINA BOY HOLLY, PJM RHODODENDRON, HATFIELD YEW, AGLO RHODODENDRON, COMMON BOXWOOD.

MEDIUM DECIDUOUS SHRUBS

(3-4 PER HOUSE, 30-36" HEIGHT)

CLETHRA "RUBY SPICE", WINTERBERRY "RED SPRITE", ENDLESS SUMMER HYDRANGEA, OAKLEAF HYDRANGEA, WEIGLA "WINE & ROSES", AZALEA "WESTON'S INNOCENCE".

SMALL EVERGREEN SHRUBS

(3-5 PER HOUSE, 12-18" HEIGHT)

KOREAN BOXWOOD, HETZ MIDGET ARBORVITAE, PUMILO MUGO PINE, JAPANESE HOLLY, MT. LAUREL "ELF", RAMAPO RHODODENDRON.

SMALL DECIDUOUS SHRUBS

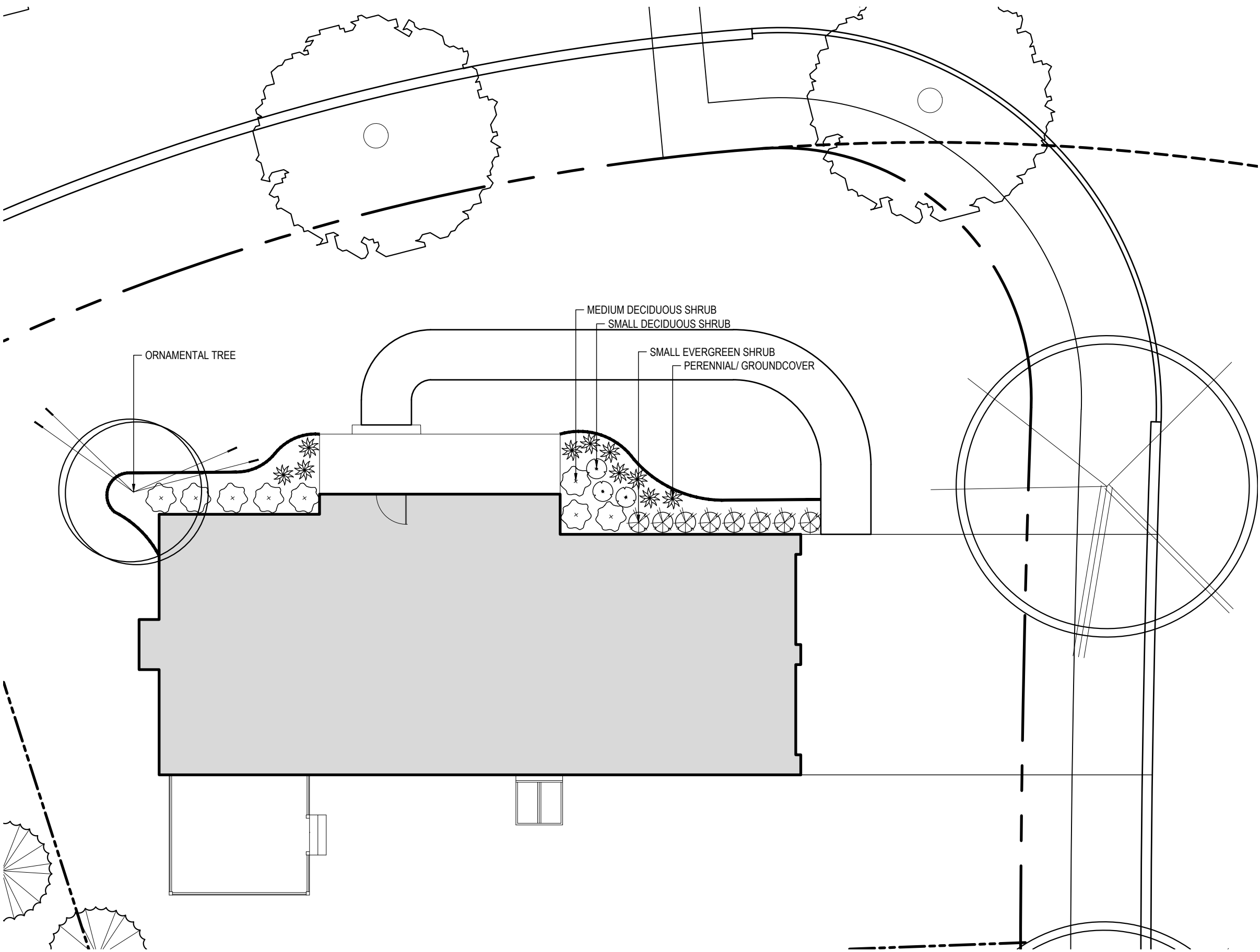
(3-5 PER HOUSE, 12-18" HEIGHT)

KNOCKOUT ROSE, WEIGELA "SPILLED WINE", MOTHER'S DAY AZALEA, DWARF FOTHERGILLA, CARYOPTERIS, SPIREA "NEON FLASH", SPIREA "LITTLE PRINCESS".

GROUND COVER & PERENNIALS

(8-10 PER HOUSE)

RUSSIAN CYPRESS, SARGENT JUNIPER, BAR HARBOR JUNIPER, NIKKO DEUTZIA, ROCKSPRAY COTONEASTER, SHASTA DAISY, DWARF FOUNTAIN GRASS, CATMINT "WALKERS LOW", BLACK-EYED SUSAN, SEDUM "AUTUMN JOY", "HAPPY RETURNS" DAYLILY.



2
L-4

PROTOTYPICAL CORNER LOT UNIT PLAN ENLARGEMENT

SCALE: 1" = 10'

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NORFOLK, MASSACHUSETTS
FOR
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850 FRANKLIN STREET
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M.J. MRVA

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DATE

SEPT. 26, 2016

SCALE

AS NOTED

PROJECT

UC987

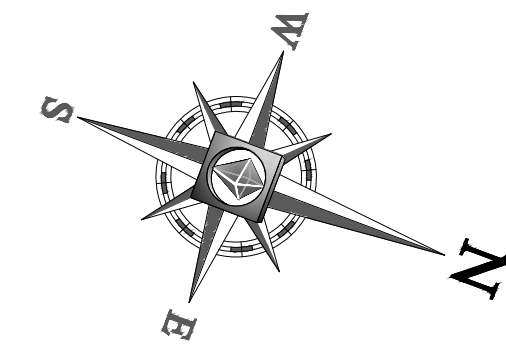
SHEET

L-4 OF 14



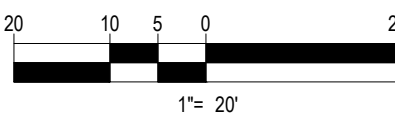
LEGEND

- PROPOSED SPECIAL PAVING
- PROPOSED SEEDED LAWN
- PROPOSED BASIN MIX
- PROPOSED CONSERVATION MIX
- PROPOSED REFORESTATION AREA
- PROPOSED TREE LINE
- PROPOSED STREET LIGHTING
- PROPOSED MAILBOX
- PROPOSED GAZEBO
- ABBYVILLE COMMONS



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GRAPHIC SCALE



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LANDSCAPE ARCHITECT



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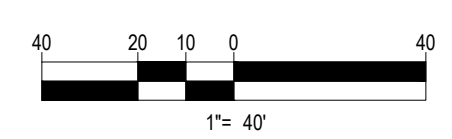
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SECTION A
SCALE: 1" = 10'

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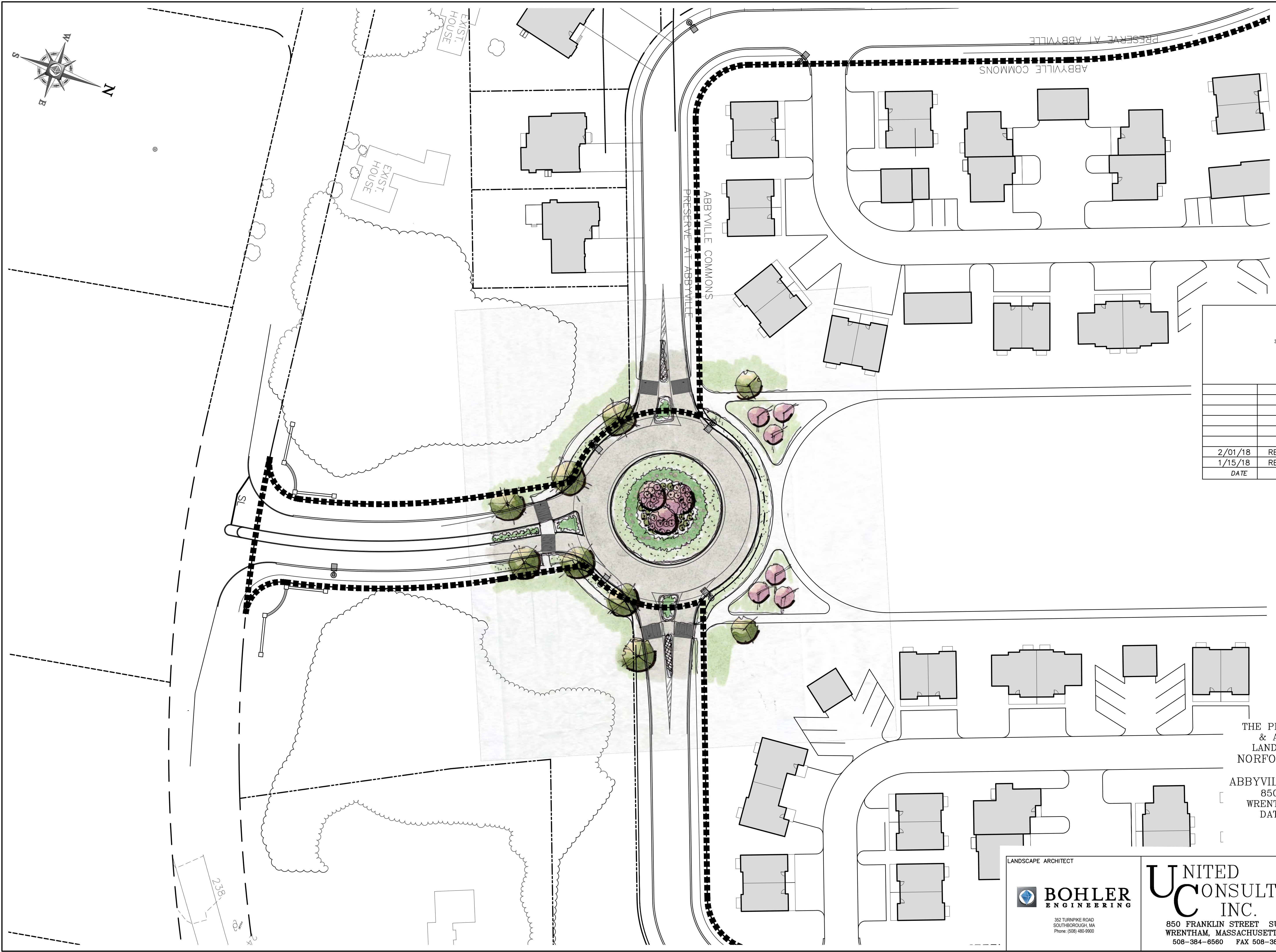
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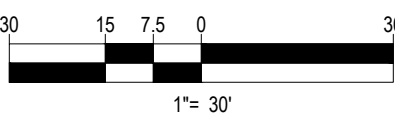


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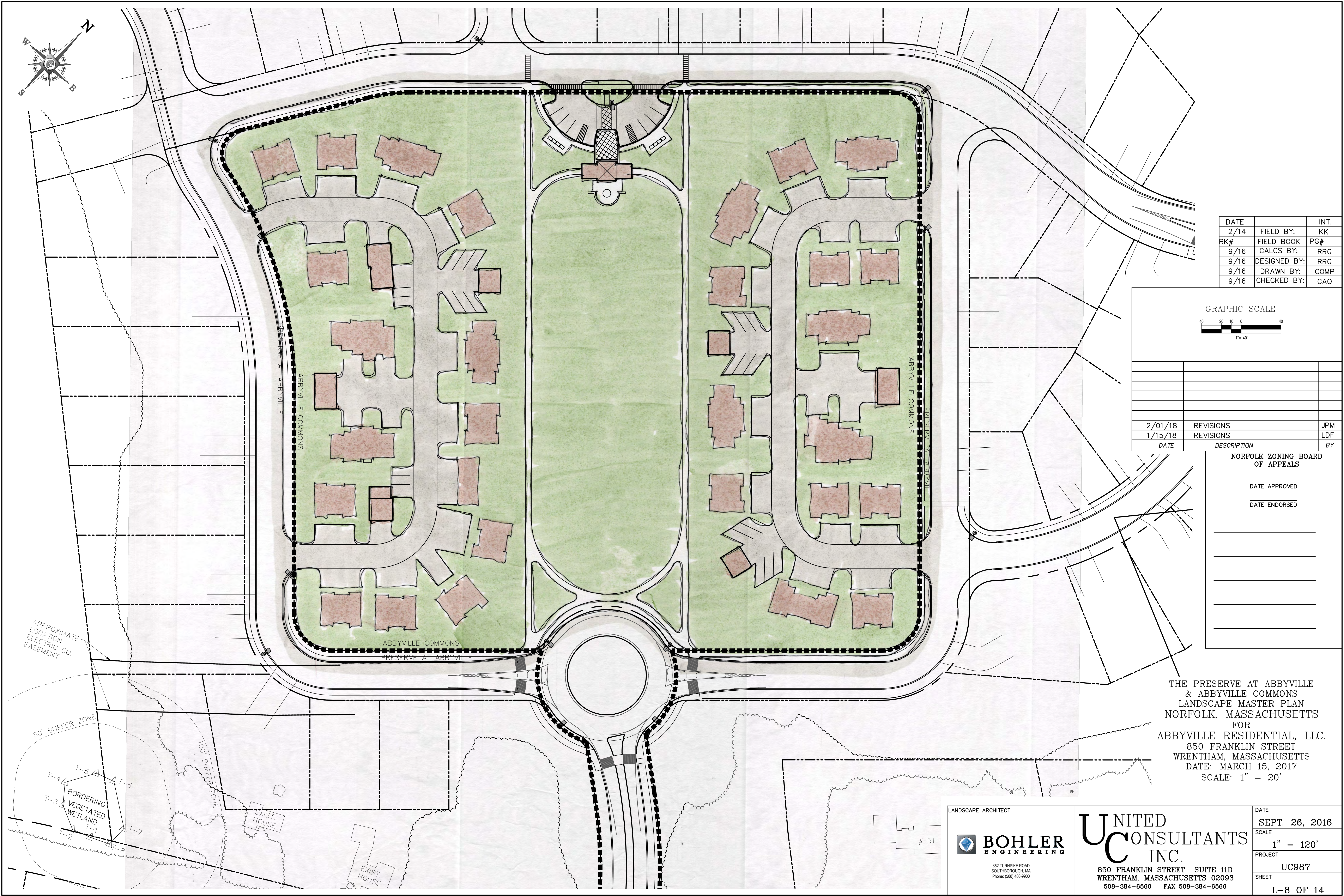


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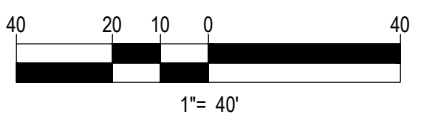
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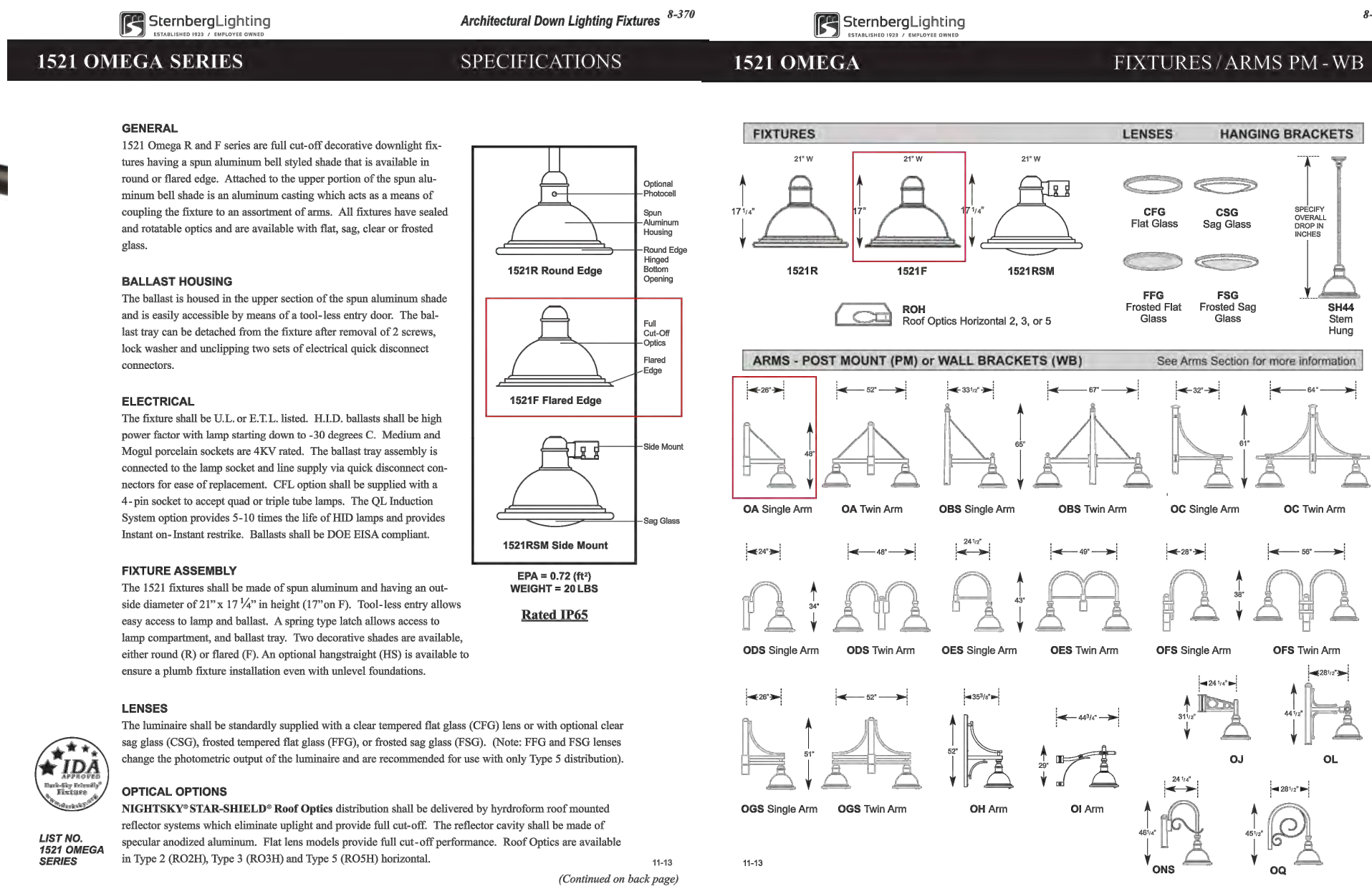
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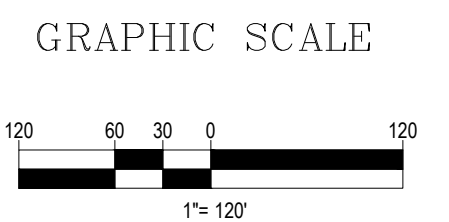
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9/16	CHECKED BY:	CAQ



1/15/18	REVISIONS	LDF
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Product Specification Sheet

[illegible]

2 RESIDENTIAL LAMP POST
L-5 SCALE: $\frac{1}{4}" = 1'$

THE PRESERVE AT ABBYVILLE
& ABBYVILLE COMMONS
LANDSCAPE MASTER PLAN
NORFOLK, MASSACHUSETTS
FOR
ABBYVILLE RESIDENTIAL, LLC.
850 FRANKLIN STREET
WRENTHAM, MASSACHUSETTS
DATE: MARCH 15, 2017
SCALE: 1" = 120'

M.J. MRVA

REGISTERED
LANDSCAPE ARCHITECT

MASSACHUSETTS No. 1217
RHODE ISLAND No. 419
NEW YORK No. 002359
NEW HAMPSHIRE No. 109
CONNECTICUT No. 1359


BOHLER
 ENGINEERING

352 TURNPIKE ROAD
SOUTHBOROUGH, MA
Phone: (508) 480-9900

UNITED
CONSULTANTS
INC.

850 FRANKLIN STREET SUITE 11D
WRENTHAM, MASSACHUSETTS 02093
508-384-6560 FAX 508-384-6566

DATE	SEPT. 26, 2016
SCALE	1" = 120'
PROJECT	UC987
SHEET	L-9 OF 14



COVENANTS TO BE RECORDED HEREWITH.

APPROVED _____ SUBJECT TO COVENANT
CONDITIONS SET FORTH IN A COVENANT EXECUTED
BY _____

DATED _____
AND TO BE RECORDED HEREWITH.

I TOWN CLERK OF THE TOWN OF NORFOLK,
RECEIVED AND RECORDED FROM THE ZONING
BOARD OF APPEALS APPROVAL OF THIS PLAN AND
NO APPEAL HAS BEEN TAKEN FOR TWENTY DAYS
NEXT AFTER RECEIPT AND RECORDING OF SAME.

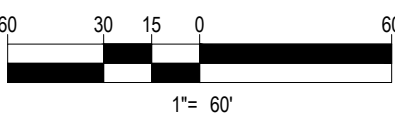
TOWN CLERK _____ DATE _____

I DECLARE THAT THIS PLAN HAS BEEN
PREPARED IN CONFORMITY WITH THE
RULES AND REGULATIONS OF THE
REGISTERS OF DEEDS OF THE
COMMONWEALTH OF MASSACHUSETTS

FOR REGISTRY USE ONLY

DATE		INT.
2/14	FIELD BY:	KK
BK#	FIELD BOOK	PG#
9/16	CALCS BY:	RRG
9/16	DESIGNED BY:	RRG
9/16	DRAWN BY:	COMP
9/16	CHECKED BY:	CAQ

GRAPHIC SCALE



1/15/18	REVISIONS	LDF
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NORFOLK ZONING BOARD
OF APPEALS

DATE APPROVED _____

DATE ENDORSED _____

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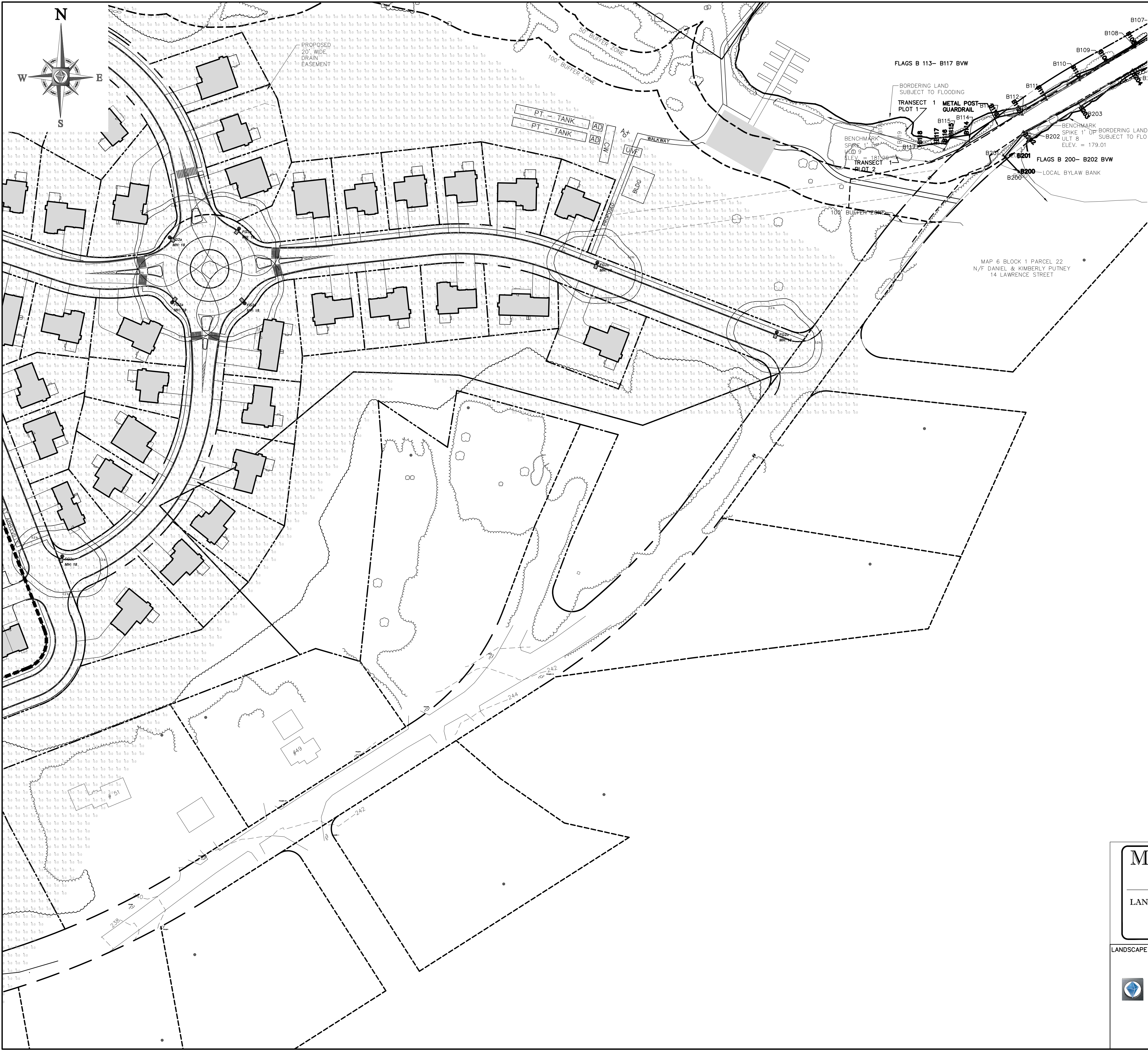
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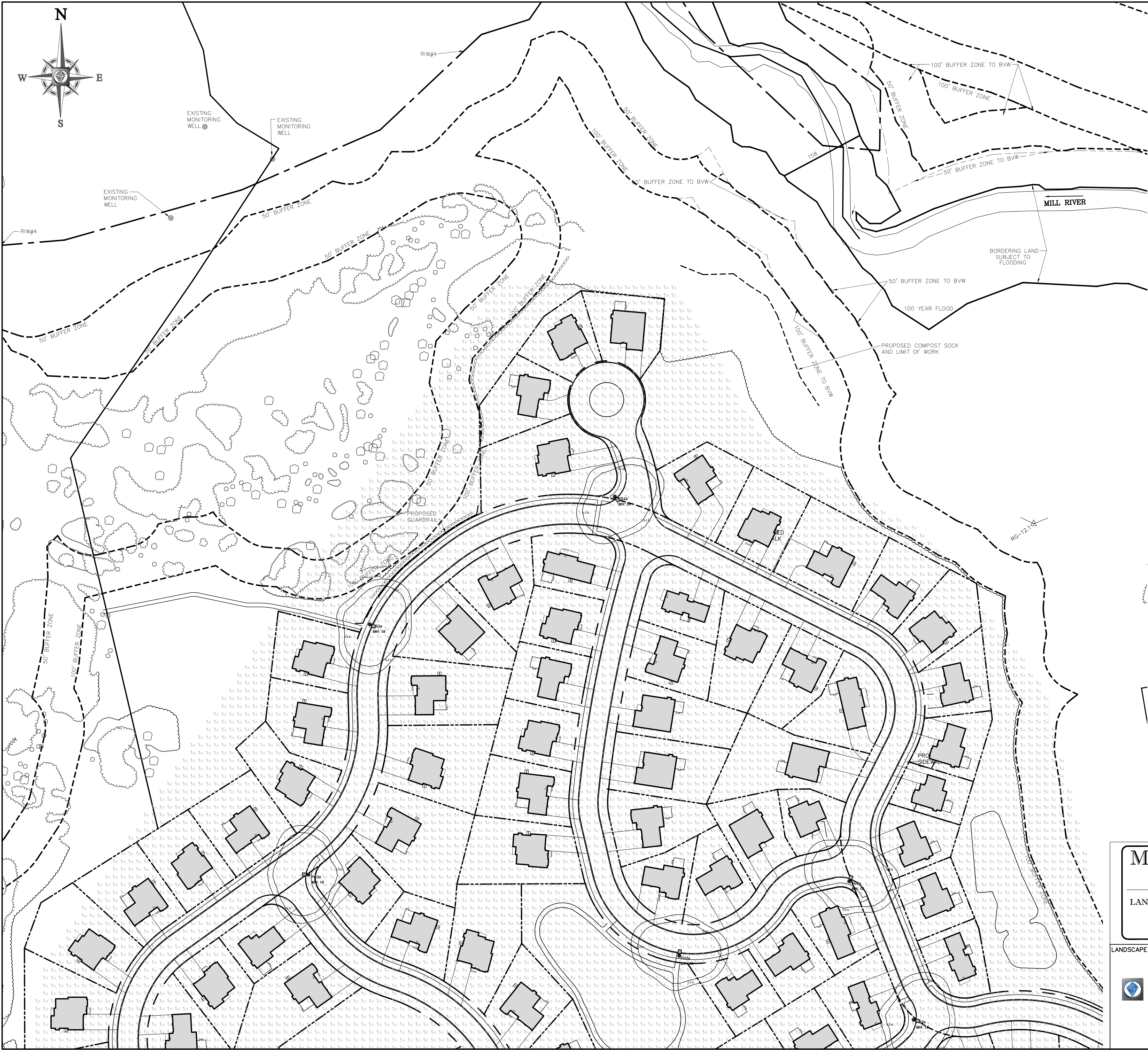
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SHEET	L-10 OF 14



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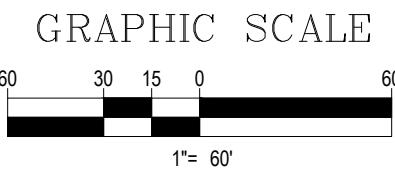
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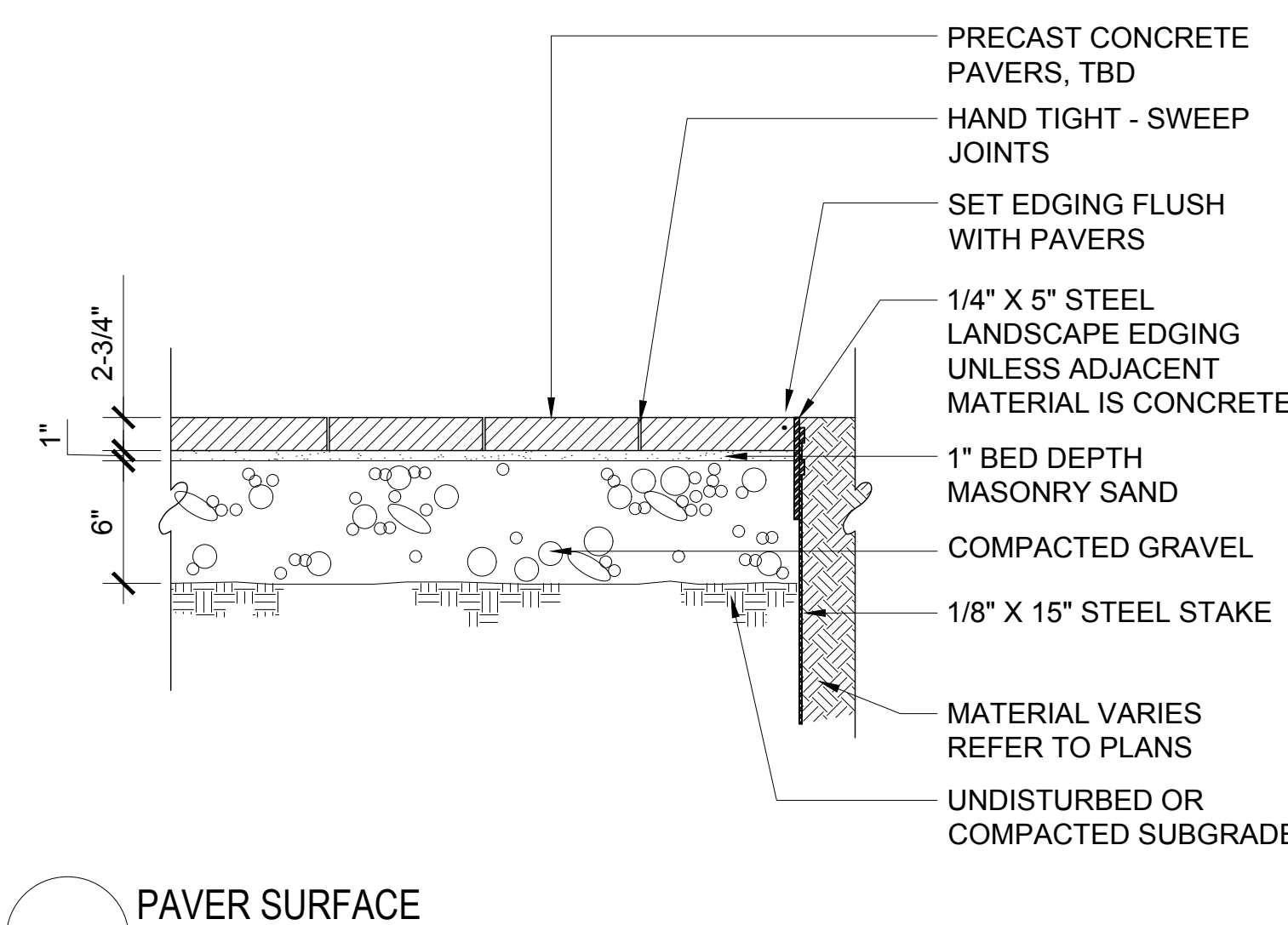
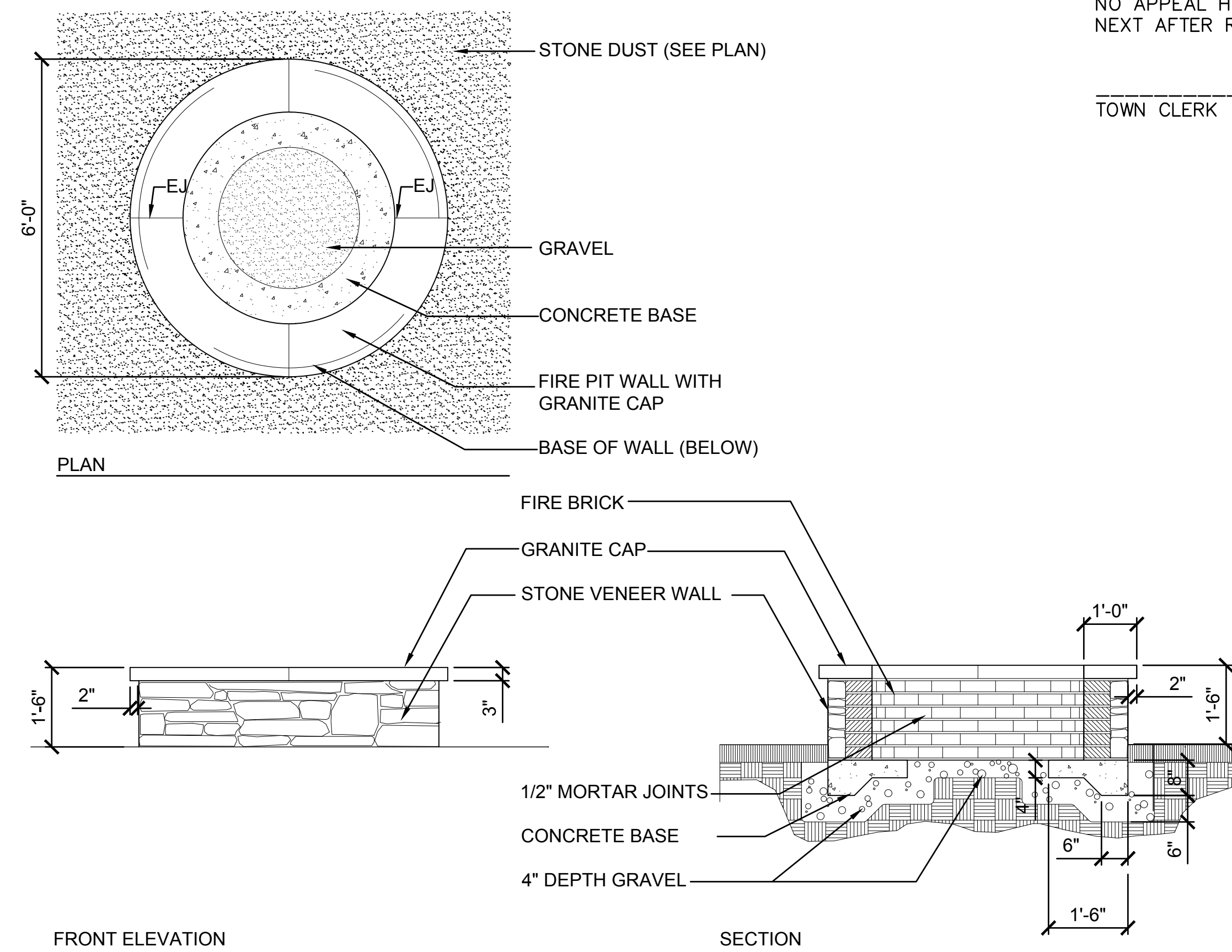
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SHEET	L-13 OF 14

LANDSCAPE SPECIFICATIONS

<p>1. SCOPE OF WORK: THE LANDSCAPE CONTRACTOR SHALL BE REQUIRED TO PERFORM ALL CLEARING, FINISHED GRADING, SOIL PREPARATION, PERMANENT SEEDING OR SODDING, PLANTING AND MULCHING INCLUDING ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT NECESSARY FOR THE COMPLETION OF THIS PROJECT, UNLESS OTHERWISE SPECIFIED BY THE GENERAL CONTRACTOR.</p> <p>2. MATERIALS</p> <p>A. GENERAL - ALL HARDSCAPE MATERIALS SHALL MEET OR EXCEED SPECIFICATIONS AS OUTLINED IN THE STATE DEPARTMENT OF TRANSPORTATION'S SPECIFICATIONS.</p> <p>B. TOPSOIL - NATURAL, FRABLE (LOAMY SALT SOIL HAVING AN ORGANIC CONTENT NOT LESS THAN 5%, A PH RANGE BETWEEN 4.5-7.0, IT SHALL BE FREE OF DEBRIS, ROCKS LARGER THAN ONE INCH (1"), WOOD, ROOTS, VEGETABLE MATTER AND CLAY CLODS.</p> <p>C. LAWN - ALL DISTURBED AREAS ARE TO BE TREATED WITH A MINIMUM 6" THICK LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, AND SEEDED OR SOODED IN ACCORDANCE WITH THE PERMANENT STABILIZATION METHODS INDICATED ON THE LANDSCAPE PLAN.</p> <p>I. LAWN SEED MIXTURE SHALL BE FRESH, CLEAN NEW CROP SEED.</p> <p>II. SOD SHALL BE STRONGLY ROOTED, WEED AND DISEASE/FEST FREE WITH A UNIFORM THICKNESS. SOD INSTALLED ON SLOPES GREATER THAN 4:1 SHALL BE PEGGED TO HOLD SOD IN PLACE.</p> <p>D. MULCH - ALL PLANTING BEDS SHALL BE MULCHED WITH A 3" THICK LAYER OF DOUBLE SHREDED HARDWOOD BARK MULCH, UNLESS OTHERWISE STATED ON THE LANDSCAPE PLAN AND/OR LANDSCAPE PLAN NOTES/DETAILS.</p> <p>E. FERTILIZER</p> <p>I. FERTILIZER SHALL BE DELIVERED TO THE SITE MIXED AS SPECIFIED IN THE ORIGINAL UNOPENED STANDARD BAGS SHOWING WEIGHT, ANALYSIS AND NAME OF MANUFACTURER.</p> <p>FERTILIZER SHALL BE STORED IN A WEATHERPROOF PLACE SO THAT IT CAN BE KEPT DRY PRIOR TO USE.</p> <p>II. FOR THE PURPOSE OF BIDDING, ASSUME THAT FERTILIZER SHALL BE 10% NITROGEN, 6% PHOSPHORUS AND 4% POTASSIUM BY WEIGHT. A FERTILIZER SHOULD NOT BE SELECTED WITHOUT A SOIL TEST PERFORMED BY A CERTIFIED SOIL LABORATORY.</p> <p>F. PLANT MATERIAL</p> <p>I. ALL PLANTS SHALL IN ALL CASES CONFORM TO THE REQUIREMENTS OF THE "AMERICAN STANDARD FOR NURSERY STOCK" (ANSI Z60.1), LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION (FORMERLY THE AMERICAN ASSOCIATION OF NURSEYMEN).</p> <p>II. ALL PLANTS, BOTANICAL NAMES SHALL TAKE PRECEDENCE OVER COMMON NAMES FOR ANY AND ALL PLANT MATERIAL.</p> <p>III. PLANTS SHALL BE LEGIBLY TAGGED WITH THE PROPER NAME AND SIZE. TAGS ARE TO REMAIN ON AT LEAST ONE PLANT OF EACH SPECIES FOR VERIFICATION PURPOSES DURING THE FINAL INSPECTION.</p> <p>IV. TREES WITH ABRASION OF THE BARK, SUN SCALDS, DISFIGURATION OR FRESH CUTS OF LIMBS OVER 1/4", WHICH HAVE NOT BEEN COMPLETELY CALLOSED, SHALL BE REJECTED.</p> <p>PLANTS SHALL NOT BE BOUND WITH WIRE OR SPECIES AT ANY TIME SO AS TO DAMAGE THE BARK OR BREAK BRANCHES.</p> <p>V. ALL PLANTS SHALL BE TYPICAL OF THEIR SPECIES OR VARIETY AND SHALL HAVE A NORMAL HABIT OF GROWTH: WELL DEVELOPED BRANCHES, DENSELY FOLIATED, VIGOROUS ROOT SYSTEMS AND BE FREE OF DISEASE, INSECTS, PESTS, EGGS OR LARVAE.</p> <p>VI. CALIPER MEASUREMENTS OF NURSERY GROWING TREES SHALL BE TAKEN AT A POINT ON THE TRUNK SIX INCHES (6") ABOVE THE NATURAL GRADE FOR TREES UP TO AND INCLUDING A FOUR INCH (4") CALIPER SIZE. IF THE CALIPER AT SIX INCHES (6") ABOVE THE GROUND EXCEEDS FOUR INCHES (4") IN CALIPER, THE CALIPER SHOULD BE MEASURED AT A POINT 12" ABOVE THE NATURAL GRADE.</p> <p>VII. SHRUBS SHALL BE MEASURED TO THE AVERAGE HEIGHT OR SPREAD OF THE SHRUB, AND NOT TO THE LONGEST BRANCH.</p> <p>VIII. TREES AND SHRUBS SHALL BE HANDLED WITH CARE BY THE ROOT BALL.</p> <p>3. GENERAL WORK PROCEDURES</p> <p>A. CONTRACTOR TO UTILIZE WORKMANLIKE INDUSTRY STANDARDS IN PERFORMING ALL LANDSCAPE CONSTRUCTION. THE SITE IS TO BE LEFT IN A CLEAN STATE AT THE END OF EACH WORKDAY. ALL DEBRIS, MATERIALS AND TOOLS SHALL BE PROPERLY STORED, STOCKPILED OR DISPOSED OF.</p> <p>B. WASTE MATERIALS AND DEBRIS SHALL BE COMPLETELY DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL NOT BE BURIED, INCLUDING ORGANIC MATERIALS, BUT SHALL BE REMOVED COMPLETELY FROM THE SITE.</p> <p>4. SITE PREPARATION</p> <p>A. BEFORE AND DURING PRELIMINARY GRADING AND FINISHED GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES OUTLINED HEREIN.</p> <p>B. ALL EXISTING TREES TO REMAIN SHALL BE PRUNED TO REMOVE ANY DAMAGED BRANCHES. THE ENTIRE LIMB OF ANY DAMAGED BRANCH SHALL BE CUT OFF AT THE BRANCH POINT. THE CONTRACTOR SHALL ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH CLEAN, SHARP TOOLS AND TOPSOIL SHALL BE PLACED AROUND THE REMAINDER OF THE ROOTS. EXISTING TREES SHALL BE MONITORED ON A REGULAR BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE.</p> <p>C. CONTRACTOR SHALL ARRANGE TO HAVE A UTILITY STAKE-OUT TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF ANY LANDSCAPE MATERIAL. UTILITY COMPANIES SHALL BE CONTACTED THREE (3) DAYS PRIOR TO THE BEGINNING OF WORK.</p> <p>5. TREE PROTECTION</p> <p>A. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING TREES TO REMAIN. A TREE PROTECTION ZONE SHALL BE ESTABLISHED AT THE DRIP LINE. THE CONTRACTOR SHALL ENSURE THAT CUTS ARE SMOOTH AND STRAIGHT. ANY EXPOSED ROOTS SHALL BE CUT BACK WITH CLEAN, SHARP TOOLS AND TOPSOIL SHALL BE PLACED AROUND THE REMAINDER OF THE ROOTS. EXISTING TREES SHALL BE MONITORED ON A REGULAR BASIS FOR ADDITIONAL ROOT OR BRANCH DAMAGE AS A RESULT OF CONSTRUCTION. ROOTS SHALL NOT BE LEFT EXPOSED FOR MORE THAN ONE (1) DAY. CONTRACTOR SHALL WATER EXISTING TREES AS NEEDED TO PREVENT SHOCK OR DECLINE.</p> <p>B. A FORTY-EIGHT INCH (48") HIGH WOODEN SNOW FENCE OR ORANGE COLORED HIGH-DENSITY "VIG-FENCE" OR APPROVED EQUAL, MOUNTED ON STEEL POSTS SHALL BE PLACED ALONG THE OUTLINE OF THE TREE PROTECTION ZONE. POSTS SHALL BE LOCATED AT A MAXIMUM OF EIGHT FEET (8') ON CENTER OR AS INDICATED WITHIN THE TREE PROTECTION DETAIL.</p> <p>C. WHEN THE TREE PROTECTION FENCING HAS BEEN INSTALLED, IT SHALL BE INSPECTED BY THE APPROVING AGENCY PRIOR TO DEMOLITION, GRADING, TREE CLEARING OR ANY OTHER CONSTRUCTION. THE FENCING ALONG THE TREE PROTECTION ZONE SHALL BE REGULARLY INSPECTED BY THE LANDSCAPE CONTRACTOR AND MAINTAINED UNTIL ALL CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.</p> <p>D. AT NO TIME SHALL MACHINERY, DEBRIS, FALLEN TREES OR OTHER MATERIALS BE PLACED, STOCKPILED OR LEFT STANDING IN THE TREE PROTECTION ZONE.</p> <p>6. SOIL MODIFICATIONS</p> <p>A. CONTRACTOR SHALL OBTAIN A SOIL TEST FOR ALL AREAS OF THE SITE PRIOR TO CONDUCTING ANY PLANTING. SOIL TESTS SHALL BE PERFORMED BY A CERTIFIED SOIL LABORATORY.</p> <p>B. LANDSCAPE CONTRACTOR SHALL REPORT ANY SOIL OR DRAINAGE CONDITIONS CONSIDERED DETRIMENTAL TO THE GROWTH OF PLANT MATERIAL. SOIL MODIFICATIONS, AS SPECIFIED HEREIN, MAY NEED TO BE CONDUCTED BY THE LANDSCAPE CONTRACTOR DEPENDING ON SITE CONDITIONS.</p> <p>C. THE FOLLOWING AMENDMENTS AND QUANTITIES ARE APPROXIMATE AND ARE FOR BIDDING PURPOSES ONLY. COMPOSITION OF AMENDMENTS SHOULD BE REVISED DEPENDING ON THE OUTCOME OF A TOPSOIL ANALYSIS PERFORMED BY A CERTIFIED SOIL LABORATORY.</p> <p>I. TO INCREASE A SANDY SOIL'S ABILITY TO RETAIN WATER AND NUTRIENTS, THOROUGHLY TILL ORGANIC MATTER INTO THE TOP 6-12" USE COMPOSTED BARK, COMPOSTED LEAF MULCH OR PEAT MOSS. ALL PRODUCTS SHOULD BE COMPOSTED TO A DARK COLOR AND BE FREE OF PIECES WITH IDENTIFIABLE LEAF OR WOOD STRUCTURE. AVOID MATERIAL WITH A PH HIGHER THAN 7.5.</p> <p>II. TO INCREASE DRAINAGE, MODIFY HEAVY CLAY OR SILT (MORE THAN 40% CLAY OR SILT) BY ADDING COMPOSTED PINE BARK (UP TO 30% BY VOLUME) AND/OR AGRICULTURAL CRYSTAL.</p> <p>COARSE SAND MAY BE USED IF ENOUGH IS ADDED TO BRING THE SAND CONTENT TO MORE THAN 60% OF THE TOTAL MIX. SUBSURFACE DRAINAGE LINES MAY NEED TO BE ADDED TO INCREASE DRAINAGE.</p> <p>III. MODIFY EXTREMELY SANDY SOILS (MORE THAN 85%) BY ADDING ORGANIC MATTER AND/OR DRY, SHREDED CLAY LOAM UP TO 30% OF THE TOTAL MIX.</p> <p>7. FINISHED GRADING</p> <p>A. UNLESS OTHERWISE CONTRACTED, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF TOPSOIL AND THE ESTABLISHMENT OF FINE-GRADING WITHIN THE DISTURBANCE AREA OF THE SITE.</p> <p>B. LANDSCAPE CONTRACTOR SHALL VERIFY THAT SUBGRADE FOR INSTALLATION OF TOPSOIL HAS BEEN ESTABLISHED. THE SUBGRADE OF THE SITE MUST MEET THE FINISHED GRADE LESS THE REQUIRED TOPSOIL THICKNESS (1").</p> <p>C. ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH, EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE AS DEPICED WITHIN THIS SET OF CONSTRUCTION PLANS, UNLESS OTHERWISE DIRECTED BY THE PROJECT ENGINEER OR LANDSCAPE ARCHITECT.</p> <p>D. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER IN AND AROUND THE PLANTING BEDS. STANDING WATER SHALL NOT BE PERMITTED IN PLANTING BEDS.</p> <p>8. TOPSOILING</p> <p>A. CONTRACTOR SHALL PROVIDE A 3" THICK MINIMUM LAYER OF TOPSOIL, OR AS DIRECTED BY THE LOCAL ORDINANCE OR CLIENT, IN ALL PLANTING AREAS. TOPSOIL SHOULD BE SPREAD OVER A PREPARED SURFACE IN A UNIFORM LAYER TO ACHIEVE THE DESIRED COMPACTED THICKNESS.</p> <p>B. ON-SITE TOPSOIL MAY BE USED TO SUPPLEMENT THE TOTAL AMOUNT REQUIRED. TOPSOIL FROM THE SITE MAY BE REJECTED IF IT HAS NOT BEEN PROPERLY REMOVED, STORED AND PROTECTED PRIOR TO CONSTRUCTION.</p> <p>C. THE FINAL GRADING TO THE APPROVING AGENCY, AN ANALYSIS OF BOTH IMPORTED AND ON-SITE TOPSOIL TO BE UTILIZED IN ALL PLANTING AREAS. THE PH AND NUTRIENT LEVELS MAY NEED TO BE ADJUSTED THROUGH SOIL MODIFICATIONS AS NEEDED TO ACHIEVE THE REQUIRED LEVELS AS SPECIFIED IN THE MATERIALS SECTION ABOVE.</p>	<p>D. ALL LAWN AREAS ARE TO BE CULTIVATED TO A DEPTH OF SIX INCHES (6"). ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF IN ACCORDANCE WITH GENERAL WORK PROCEDURES SECTION ABOVE. THE FOLLOWING SHALL BE TILLED INTO THE TOP FOUR INCHES (4") IN TWO DIRECTIONS (QUANTITIES BASED ON A 1,000 SQUARE FOOT AREA - FOR BD PURPOSES ONLY SEE SPECIFICATION 6.A.I):</p> <p>I. 20 POUNDS "GRO-POWER" OR APPROVED SOIL CONDITIONER/FERTILIZER</p> <p>II. 20 POUNDS NITRO-FORM (COURSE) 38-0-0 BLUE CHIP OR APPROVED NITROGEN FERTILIZER</p> <p>E. THE SPREADING OF TOPSOIL SHALL NOT BE CONDUCTED UNDER MUDDY OR FROZEN CONDITIONS.</p> <p>9. PLANTING</p> <p>A. INSOFAR THAT IT IS FEASIBLE, PLANT MATERIAL SHALL BE PLANTED ON THE DAY OF DELIVERY. IN THE EVENT THAT THIS IS NOT POSSIBLE, LANDSCAPE CONTRACTOR SHALL PROTECT UNINSTALLED PLANT MATERIAL. PLANTS SHALL NOT REMAIN UNPLANTED FOR LONGER THAN A THREE DAY PERIOD AFTER DELIVERY. PLANTS THAT WILL NOT BE PLANTED FOR A PERIOD OF TIME GREATER THAN THREE DAYS SHALL BE HEALED IN WITH TOPSOIL OR MULCH TO HELP PRESERVE ROOT MOISTURE.</p> <p>B. PLANTING OPERATIONS SHALL BE PERFORMED DURING PERIODS WITHIN THE PLANTING SEASON WHEN WEATHER AND SOIL CONDITIONS ARE SUITABLE AND IN ACCORDANCE WITH ACCEPTED LOCAL PRACTICE. PLANTS SHALL NOT BE INSTALLED IN TOPSOIL THAT IS IN A MUDDY OR FROZEN CONDITION.</p> <p>C. ANY INJURED ROOTS OR BRANCHES SHALL BE PRUNED TO MAKE CLEAN-CUT ENDS PRIOR TO PLANTING UTILIZING CLEAN, SHARP TOOLS. ONLY INJURED OR DISEASED BRANCHING SHALL BE REMOVED.</p> <p>D. ALL PLANTING CONTAINERS, BASKETS AND NON-Biodegradable MATERIALS SHALL BE REMOVED FROM ROOT BALLS DURING PLANTING. NATURAL FIBER BURLAP MUST BE CUT FROM AROUND THE TRUNK OF THE TREE AND FOLDED DOWN AGAINST THE ROOT BALL PRIOR TO BACKFILLING.</p> <p>E. POSITION TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.</p> <p>F. PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY, THE PROPOSED LANDSCAPE, AS SHOWN ON THE APPROVED LANDSCAPE PLAN, MUST BE INSTALLED, INSPECTED AND APPROVED BY THE APPROVING AGENCY. THE APPROVING AGENCY SHALL TAKE INTO ACCOUNT SEASONAL CONSIDERATIONS IN THIS REGARD AS FOLLOWS. THE PLANTING OF TREES, SHRUBS, VINES OR GROUND COVER SHALL OCCUR ONLY DURING THE FOLLOWING PLANTING SEASONS:</p> <p>I. PLANTS: MARCH 15 TO DECEMBER 15</p> <p>II. LAWN: MARCH 15 TO JUNE 15 OR SEPT. 1 TO DECEMBER 1</p> <p>PLANTINGS REQUIRED FOR A CERTIFICATE OF OCCUPANCY SHALL BE PROVIDED DURING THE NEXT APPROPRIATE SEASON AT THE MUNICIPALITY'S DISCRETION. CONTRACTOR SHOULD CONTACT APPROVING AGENCY FOR POTENTIAL SUBSTITUTIONS.</p> <p>G. FURTHERMORE, THE FOLLOWING TREE VARIETIES ARE USUALLY SUSCEPTIBLE TO WINTER DAMAGE. WITH TRANSPLANT SHOCK AND THE SEASONAL LACK OF NITROGEN AVAILABILITY, THE RISK OF PLANT DEATH IS GREATLY INCREASED. IT IS NOT RECOMMENDED THAT THESE SPECIES BE PLANTED DURING THE FALL PLANTING SEASON.</p> <p>ACER RUBRUM PLATANUS X ACERIFOLIA BETULA VARIETIES POPULUS VARIETIES CARPINUS VARIETIES PRUNUS VARIETIES CRATAEGUS VARIETIES PYRUS VARIETIES KOELERUTERA QUERCUS VARIETIES LIQUIDAMBAR STYRACIFLUA TLIA TOMENTOSA LIRIODENDRON TULIPIFERA ZELKOVA VARIETIES</p> <p>H. PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH THE WIDTH THREE TIMES THE DIAMETER OF ROOT BALL. THE ROOT BALL SHALL REST ON UNDISTURBED GRADE. EACH PLANT SHALL BE BACKFILLED IN LAYERS WITH THE FOLLOWING PREPARED SOIL MIXED</p>
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HYDROSEED SPECIFICATIONS

1. PRIOR TO SEEDING, AREA IS TO BE TOPSOILED, FINE GRADED, AND RAKED OF ALL DEBRIS LARGER THAN 2" DIAMETER.
2. PRIOR TO SEEDING, CONSULT MANUFACTURER'S RECOMMENDATIONS AND INSTRUCTIONS.
3. SEEDING RATES:

• PERENNIAL RYEGRASS	1/2 LB/1000 SQ FT
• KENTUCKY BLUEGRASS	1 LB/1000 SQ FT
• RED FESCUE	1/2 LB/1000 SQ FT
• SPREADING FESCUE	1/2 LB/1000 SQ FT
• FERTILIZER (16.32.16)	2 LB/1000 SQ FT
• LIQUID LIME	1 GAL/600 GAL
• TANK TAGGER	35 LB/600 GAL
• TANK FIBER MULCH	30 LB/1000 SQ FT
4. GERMINATION RATES WILL VARY AS TO TIME OF YEAR FOR SOWING. CONTRACTOR TO IRRIGATE SEEDING AREA UNTIL AN ACCEPTABLE STAND OF COVER IS ESTABLISHED BY OWNER.

<h1>CONSERVATION SEED MIX SPECIFICATIONS</h1>	
<p>WEBSITE: WWW.NEWWP.COM</p> <p>APPLICATION RATE: 25LB/ACRE 1750 SQ FT/LB(MINIMUM ORDER: 2 LBS SPECIES: VIRGINIA WILD RYE, (ELYMUS VIRGICUS), LITTLE BLUESTEM, (SCHIZACHYRIUM SCOPARIUM), BIG BLUESTEM, (ANDROPOGON GERARDII), CREEPING RED FESCUE, (FESTUCA RUBRA), SWITCH GRASS, (PANICUM VIRGATUM), PARTHOCIS FEA, (CHAMAECRISTA FASCICULATA), DEER TONGUE, (PANICUM CLANDESTINUM), INDIAN GRASS, (SORGHASTRUM NUTANS), OXYEYE SUNFLOWER, (HELIPSIOS HELIANTHOIDES), COMMON MILKWEED, (ASCLEPIAS SYRIACA), SPOTTED JOE PYE WEEW, (EUPATORIUM MACULATUM), GRASS LEAVED GOLDENROD, (EUTHAMIA GRAMINIFOLIA), BLUE VERNIA, (YERBENA HASTATA), NEW ENGLAND ASTER, (ASTER NOVAE-ANGLIAE), EARLY GOLDENROD, (SOLIDAGO JUNCEA)</p>	
<h1>BASIN SEED MIX SPECIFICATIONS</h1>	
<p>WEBSITE: WWW.NEWWP.COM</p> <p>APPLICATION RATE: 1 LB. / 1200 SQ. FT. (0.8 LBS / ACRE) SPECIES: VIRGINIA WILD RYE, (ELYMUS VIRGICUS), CREEPING RED FESCUE, (FESTUCA RUBRA), LITTLE BLUESTEM, (SCHIZACHYRIUM SCOPARIUM), BIG BLUESTEM, (ANDROPOGON GERARDII), FOX SEDGE, (CAREX VULPINODEA), SWITCH GRASS, (PANICUM VIRGATUM), ROUGH BENTGRASS, (AGROSTIS SCARIA, NEW ENGLAND ASTER, (ASTER NOVAE-ANGLIAE), BONESET, (EUPATORIUM PERILLIUM), GRASS LEAVED GOLDENROD, (EUTHAMIA GRAMINIFOLIA), GREEN BULRUSH, (SCRIPUS ATROVIRENS), BLUE VERNIA, (YERBENA HASTATA), SOFT RUSH, (JUNCUS EFFUSUS), WOOL GRASS, (SCRIPUS CYPERINUS).</p>	

<h1 style="text-align: center;">BIOBARRIER ROOT BARRIER DETAIL</h1>	<p>N.T.S.</p>
<p>REFER TO TREE PLANTING DETAIL FOR GENERAL PLANTING SPECIFICATIONS</p>	<p>N.T.S.</p>

TREE PLANTING DETAIL N.T.S. PLANT SHALL BE PLANTED SO THAT THE POINT AT WHICH THE ROOT FLARE BEGINS IS SET LEVEL WITH GRADE, CUT AND REMOVE BURLAP FROM TOP ONE-THIRD OF ROOT BALL AS SHOWN. PLANTING MIX: 1 PART PEAT MOSS 1 PART COY MANURE 3 PARTS TOPSOIL (SEE SOIL MODIFICATION CHART) BEFORE PLANTING, ADD 3" TO 4" OF WELL-COMPOSTED LEAVES AND RECYCLED YARD WASTE TO BED AND TILL INTO TOP 6" OF PREPARED SOIL. SOIL SURFACE ROUGHENED TO BIND WITH NEW SOIL. 6" - 12" 24" MINIMUM FOR CONTAINER-GROWN SHRUBS, PLANT SHALL BE TRANSPLANTED AT THE SAME GRADE AS IN THE CONTAINER. REMOVE THE CONTAINER, USE FINGER OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL, THEN CUT OR PULL APART ANY ROOTS THAT CIRCLE THE PERIMETER OF THE CONTAINER. 3" DOUBLE-SHREDDED HARDWOOD BARK MULCH (DO NOT PUT MULCH AGAINST THE BASE OF THE PLANT). LANDSCAPE FABRIC AS SPECIFIED FINISHED GRADE PLACE SHRUB ON FIRM SOIL IN BOTTOM OF HOLE. UNDISTURBED SUBGRADE WHEN APPROPRIATE, PLANT MULTIPLE SHRUBS IN CONTINUOUS PLANTING HOLE.

<h2 style="text-align: center;">SHRUB PLANTING DETAIL</h2>		N.T.S.
<h2 style="text-align: center;">GROUND COVER PLANTING</h2>		N.T.S.

NOTES:

1. ANY TREE INSTALLED WITHIN 10 FT. OF NEW CONCRETE SIDEWALKS SHOULD BE INSTALLED WITH BIOBARRIER ROOT BARRIER FABRIC AS SHOWN
2. TREES SHALL BE INSTALLED ACCORDING TO THE APPROPRIATE PLANTING DETAIL.

CONC. SIDEWALK

10' MAX.

BIOBARRIER ROOT BARRIER FABRIC OR APPROVED EQUAL

BIOBARRIER ROOT BARRIER FABRIC TO BE INSTALLED TO THE DEPTH OF THE BOTTOM OF STONE BASE COURSE OR 10", WHICHEVER IS GREATER

TREE

SEE DECIDUOUS OR EVERGREEN TREE DETAIL FOR PLANTING PURPOSES

UNDISTURBED SUBGRADE PREPARED SOIL FOR TREES (SEE PLANTING DETAIL)

BIOBARRIER ROOT BARRIER DETAIL

6.) REFER TO THE CHART "GENERAL RANGE OF SOIL MODIFICATIONS & VOLUMES FOR VARIOUS SOIL CONDITIONS" TO DETERMINE MINIMUM WIDTH OF PREPARED SOIL (6).

7.) SUBSTITUTE ARBORVITAE STAKING SYSTEM WHEN SPECIFIED.

REINFORCED RUBBER HOSE (1/2" DIA. BLACK)

FOLD BURLAP AWAY FROM TOP OF ROOT BALL

12 GAUGE GALVANIZED WIRE GUYTS TWISTED

2" DIA. HARDWOOD STAKES 2/3 TREE HT. 3 PER TREE

TWICE THE WIDTH OF ROOTBALL FOR PREPARED SOIL FOR TREES

PREPARED SOIL FOR TREES
1 PART PEAT MOSS
1 PART COW MANURE
3 PARTS TOPSOIL
(RECOMMENDATION ONLY. SEE SOIL MOD. CHART)

UNDISTURBED SUBGRADE

DIG WIDE, SHALLOW HOLE WITH TAMPED SIDES

TAMP SOIL SOLIDLY AROUND BASE OF ROOT BALL

SET ROOT BALL FLUSH TO GRADE OR SEVERAL INCHES HIGHER IN POORLY DRAINING SOILS.

4" BUILT-UP EARTH SAUCER

3" DOUBLE SHREDDED HARDWOOD BARK MULCH (UNLESS OTHERWISE SPECIFIED) DO NOT PLACE MULCH IN CONTACT WITH TREE TRUNK)

LANDSCAPE FABRIC AS SPECIFIED.

ALL PLANTING CONTAINERS, BASKETS AND NON-BIOGRADABLE MATERIALS SHALL BE REMOVED FROM ROOT BALLS.

SET ROOT BALL ON UNDISTURBED SOIL IN BOTTOM OF HOLE

TREE PLANTING DETAIL N.T.S. PLANT SHALL BE PLANTED SO THAT THE POINT AT WHICH THE ROOT FLARE BEGINS IS SET LEVEL WITH GRADE, CUT AND REMOVE BURLAP FROM TOP ONE-THIRD OF ROOT BALL AS SHOWN. PLANTING MIX: 1 PART PEAT MOSS 1 PART COY MANURE 3 PARTS TOPSOIL (SEE SOIL MODIFICATION CHART) BEFORE PLANTING, ADD 3" TO 4" OF WELL-COMPOSTED LEAVES AND RECYCLED YARD WASTE TO BED AND TILL INTO TOP 6" OF PREPARED SOIL. SOIL SURFACE ROUGHENED TO BIND WITH NEW SOIL. 6" - 12" 24" MINIMUM FOR CONTAINER-GROWN SHRUBS, PLANT SHALL BE TRANSPLANTED AT THE SAME GRADE AS IN THE CONTAINER. REMOVE THE CONTAINER, USE FINGER OR SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL, THEN CUT OR PULL APART ANY ROOTS THAT CIRCLE THE PERIMETER OF THE CONTAINER. 3" DOUBLE-SHREDDED HARDWOOD BARK MULCH (DO NOT PUT MULCH AGAINST THE BASE OF THE PLANT). LANDSCAPE FABRIC AS SPECIFIED FINISHED GRADE PLACE SHRUB ON FIRM SOIL IN BOTTOM OF HOLE. UNDISTURBED SUBGRADE WHEN APPROPRIATE, PLANT MULTIPLE SHRUBS IN CONTINUOUS PLANTING HOLE.

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<h2 style="text-align: center;">GROUND COVER PLANTING</h2>		N.T.S.

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CONC. SIDEWALK

10' MAX.

BIOBARRIER ROOT BARRIER FABRIC OR APPROVED EQUAL

BIOBARRIER ROOT BARRIER FABRIC TO BE INSTALLED TO THE DEPTH OF THE BOTTOM OF STONE BASE COURSE OR 10", WHICHEVER IS GREATER

TREE

SEE DECIDUOUS OR EVERGREEN TREE DETAIL FOR PLANTING PURPOSES

UNDISTURBED SUBGRADE PREPARED SOIL FOR TREES (SEE PLANTING DETAIL)

BIOBARRIER ROOT BARRIER DETAIL

<p>EXISTING GRADE</p> <p>CUT BACK SLOPE TO PROVIDE A FLAT SURFACE FOR PLANTING PROPOSED GRADE FOR PLANTING AREA NOT TO EXCEED 2:1</p> <p>UNDISTURBED SUBGRADE</p> <p>DIG WIDE, SHALLOW HOLE WITH TAMPED SIDES</p> <p>TAMP SOIL SOLIDLY AROUND BASE OF ROOT BALL</p> <p>SET ROOT BALL FLUSH TO GRADE OR SEVERAL INCHES HIGHER IN POORLY DRAINING SOILS</p> <p>4" BUILT-UP EARTH SAUCER</p> <p>SET ROOT BALL ON FIRM PAD IN BOTTOM OF HOLE</p> <p>TOP SOIL FILL (COMPACTED) (SLOPE NOT TO EXCEED 2:1)</p> <p>4" 6" DEEPER THAN ROOT BALL</p> <p>EXISTING GRADE</p> <p>REFER TO TREE PLANTING DETAIL FOR GENERAL PLANTING SPECIFICATIONS</p> <p>TREE PLANTING DETAIL - ON SLOPE</p>	<p>N.T.S.</p>
<p>N.T.S.</p>	<p>N.T.S.</p>

COVENANTS TO BE RECORDED HERewith.

APPROVED _____ SUBJECT TO COVENANT
CONDITIONS SET FORTH IN A COVENANT EXECUTED
BY _____ DATED
_____ AND TO BE RECORDED HERewith.

I TOWN CLERK OF THE TOWN OF NORFOLK,
RECEIVED AND RECORDED FROM THE ZONING
BOARD OF APPEALS APPROVAL OF THIS PLAN AND
NO APPEAL HAS BEEN TAKEN FOR TWENTY DAYS
NEXT AFTER RECEIPT AND RECORDING OF SAME.

_____	_____
TOWN CLERK	DATE
I DECLARE THAT THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND REGULATIONS OF THE REGISTERS OF DEEDS OF THE COMMONWEALTH OF MASSACHUSETTS	

DATE		INT.
2/14	FIELD BY:	KK
BK#	FIELD BOOK	PG#
9/16	CALCS BY:	RRG
9/16	DESIGNED BY:	RRG
9/16	DRAWN BY:	COMP
9/16	CHECKED BY:	CAQ

1/15/18	REVISIONS	LDF
DATE	DESCRIPTION	BY

	NORFOLK ZONING BOARD OF APPEALS
	DATE APPROVED
	DATE ENDORSED


<div style="border: 1px solid black; padding: 10px; text-align: center;"> <h1 style="margin: 0;">M.J. MRVA</h1> <hr style="width: 80%; margin: 5px auto;"/> <p style="margin: 0;">REGISTERED LANDSCAPE ARCHITECT</p> <p style="font-size: small; margin: 5px 0;">MASSACHUSETTS No. 1217 RHODE ISLAND No. 419 NEW YORK No. 002359 NEW HAMPSHIRE No. 100 CONNECTICUT No. 1359</p> </div>		<p>THE PRESERVE AT ABBYVILLE & ABBYVILLE COMMONS LANDSCAPE MASTER PLAN NORFOLK, MASSACHUSETTS FOR ABBYVILLE RESIDENTIAL, LLC. 850 FRANKLIN STREET WRENTHAM, MASSACHUSETTS DATE: MARCH 15, 2017 SCALE: 1" = 120'</p>	
<div style="display: flex; align-items: center;"> <div> <h2 style="margin: 0;">BOHLER</h2> <p style="margin: 0;">ENGINEERING</p> </div> </div> <p style="font-size: x-small; margin-top: 10px;">352 TURNPIKE ROAD SOUTHBOROUGH, MA Phone: (508) 480-9900</p>		<div style="display: flex; align-items: center;"> <div style="font-size: 4em; margin-right: 10px;">U C</div> <div> <h2 style="margin: 0;">CONSULTANTS INC.</h2> <p style="margin: 0;">850 FRANKLIN STREET SUITE 11D WRENTHAM, MASSACHUSETTS 02093 508-384-6560 FAX 508-384-6566</p> </div> </div>	
		DATE <div style="border: 1px solid black; padding: 5px; text-align: center;">SEPT. 26, 2016</div>	SCALE <div style="border: 1px solid black; padding: 5px; text-align: center;">N.T.S.</div>
		PROJECT <div style="border: 1px solid black; padding: 5px; text-align: center;">UC987</div>	SHEET <div style="border: 1px solid black; padding: 5px; text-align: center;">L-14 OF 14</div>

M.J. MRVA

**REGISTERED
LANDSCAPE ARCHITECT**

MASSACHUSETTS No. 1217
RHODE ISLAND No. 419
NEW YORK No. 002359
NEW HAMPSHIRE No. 109
CONNECTICUT No. 1359

LANDSCAPE ARCHITECT

 **BOHLER**
ENGINEERING

352 TURNPIKE ROAD
SOUTHBOROUGH, MA
Phone: (508) 480-9900

LANDSCAPE ARCHITECT  BOHLER ENGINEERING 352 TURNPIKE ROAD SOUTHBRIDGE, MA Phone: (508) 480-9900	UNITED CONSULTANTS INC. 850 FRANKLIN STREET SUITE 11D WRENTHAM, MASSACHUSETTS 02093 508-384-6560 FAX 508-384-6566	DATE	SEPT. 26, 2016
		SCALE	N.T.S.
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		SHEET	L-14 OF 14

