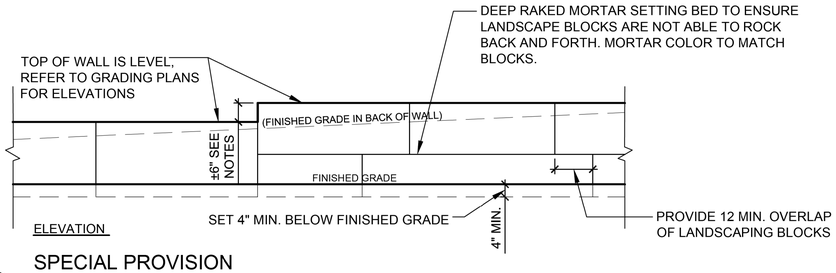
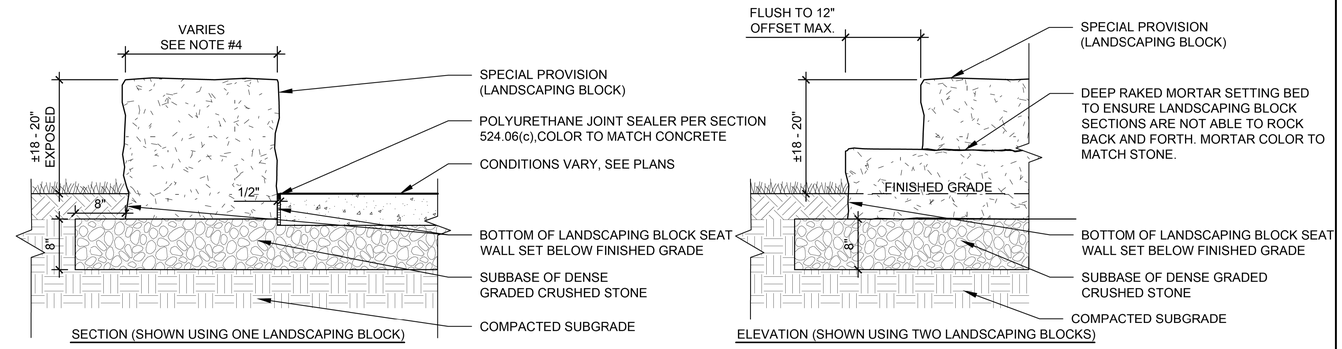
NOTES:
1. REFER TO LANDSCAPE GRADING PLANS FOR TOP OF WALL ELEVATIONS.
2. TOP OF WALL SHALL BE LEVEL, EXCEPT IN LOCATIONS WHERE THE WALL STEPS, AS NOTED ON THE GRADING PLANS. STEPS IN WALL SHALL NOT EXCEED 8" AT ANY ONE LOCATION.
3. IN CONSTRUCTION OF LANDSCAPE BLOCK SEAT WALLS, LANDSCAPING BLOCKS MAY NEED TO BE STACKED IN SOME INSTANCES, WHERE REQUIRED, A MAXIMUM OF (2) LANDSCAPING BLOCKS ARE ALLOWED TO BE USED TO ACHIEVE THE TOP OF WALL HEIGHT.
4. WHERE LANDSCAPING BLOCKS ARE REQUIRED TO BE STACKED, THERE SHALL BE A 12" MIN. HORIZONTAL DISTANCE BETWEEN VERTICAL JOINTS.
5. STONE WIDTHS AND HEIGHTS VARY. DESIRABLE SIZE RANGE ARE LISTED BELOW:
   WIDTH: 20 - 24"
   HEIGHT: 12 - 24"



2 SPECIAL PROVISION (LANDSCAPING BLOCK

SCALE 1/2" = 1'-0"

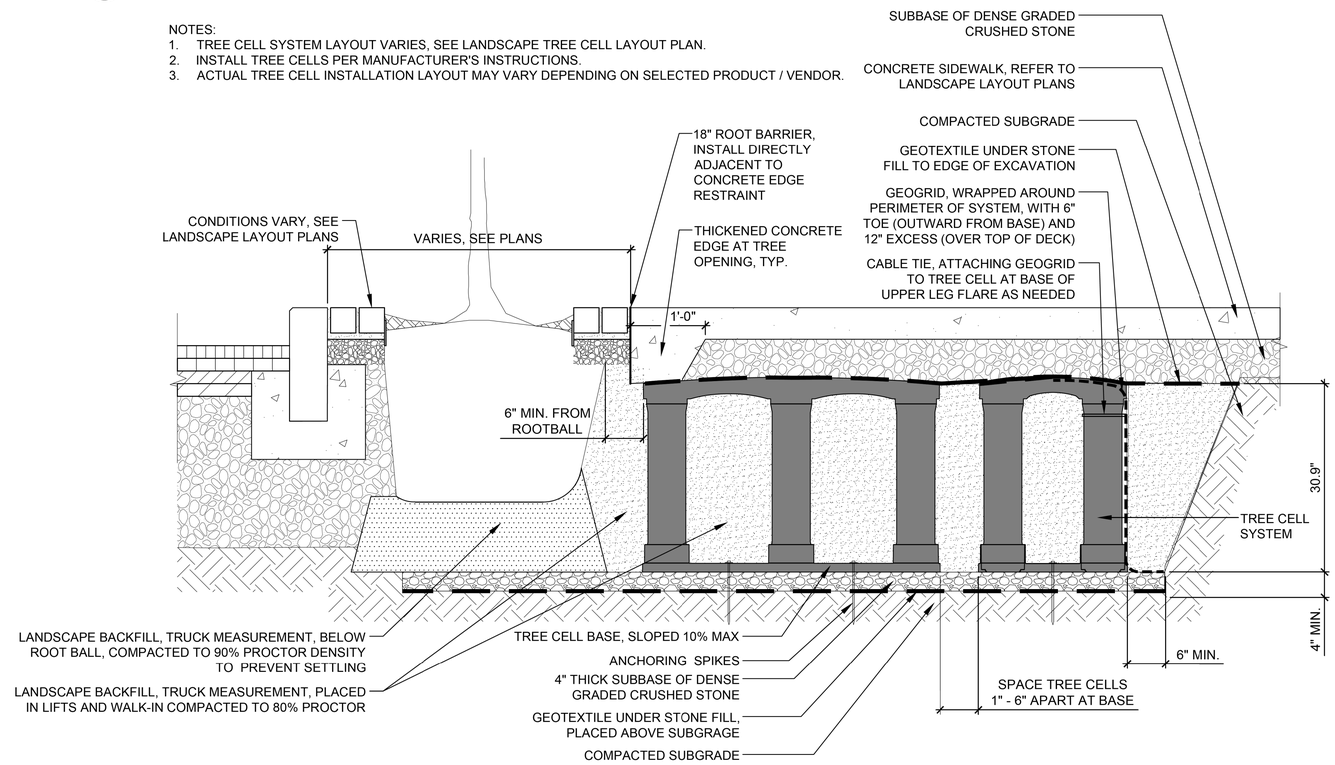
NOTES:
1. REFER TO LANDSCAPE LAYOUT PLANS FOR LOCATIONS AND LAYOUT
2. LANDSCAPING BLOCK SEAT WALLS ARE INTENDED TO BE MADE OF ONE PIECE OF STONE TO ACHIEVE THE 18" - 20" OF EXPOSED SEAT HEIGHT. IF MORE THAN ONE PIECE OF STONE IS REQUIRED, A MAXIMUM OF (2) LANDSCAPING BLOCKS ARE ALLOWED TO BE USED TO ACHIEVE THE 18" - 20" SEAT HEIGHT.
3. STONE WIDTHS AND HEIGHTS VARY. DESIRABLE SIZE RANGES ARE LISTED BELOW:
   WIDTH: 20 - 24"
   HEIGHT: 12 - 24"



1 SPECIAL PROVISION (LANDSCAPING BLOCK)

SCALE 1" = 1'-0"

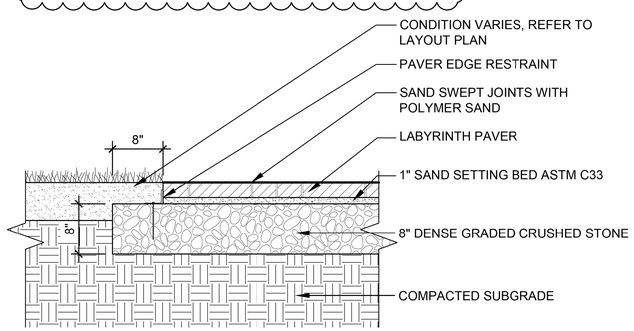
NOTES:
1. TREE CELL SYSTEM LAYOUT VARIES, SEE LANDSCAPE TREE CELL LAYOUT PLAN.
2. INSTALL TREE CELLS PER MANUFACTURER'S INSTRUCTIONS.
3. ACTUAL TREE CELL INSTALLATION LAYOUT MAY VARY DEPENDING ON SELECTED PRODUCT / VENDOR.



3 SPECIAL PROVISION (TREE CELL)

SCALE 1" = 1'-0"

NOTES:
1. CONCRETE PAVERS TO BE SET IN LABYRINTH PATTERN PROVIDED BY MANUFACTURER.
2. REFER TO LAYOUT PLANS FOR LAYOUT INFORMATION.
3. SAND SWEEP PAVER JOINTS WITH POLYMER SAND.
4. CONTRACTOR TO PROVIDE MATERIAL SUBMITTALS FOR APPROVAL, REFER TO MANUFACTURER'S RECOMMENDATIONS.



4 SPECIAL PROVISION (INSTALL LABYRINTH)

SCALE 1" = 1'-0"

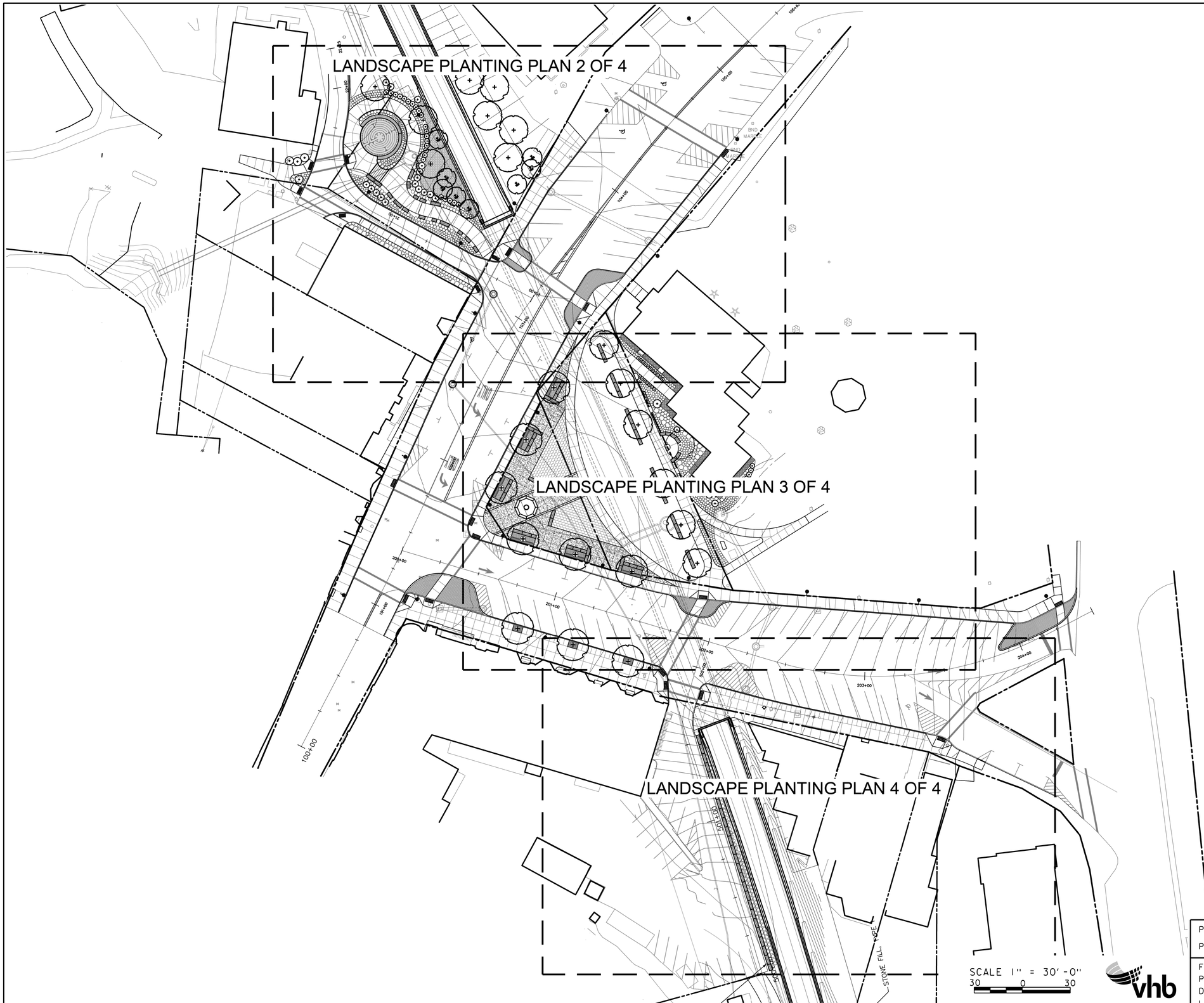
REVISION	DATE	DESCRIPTION	BY
1	5/17/2019	UPDATED NOTES	RJF

vhb

PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: WCRS(23)

FILE NAME: zl3g542bdr_landscape.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: M. HAMELIN
SITE DETAILS (3 OF 3)

PLOT DATE: 5/17/2019
DRAWN BY: L. THAYER
CHECKED BY: M. WILLARD
SHEET 286 OF 328


LANDSCAPE PLANTING PLAN 2 OF 4
LANDSCAPE PLANTING PLAN 3 OF 4
LANDSCAPE PLANTING PLAN 4 OF 4
N
VT STATE PLANE GRID
SCALE 1" = 30'-0"
30 0 30
STONE FILL - FACE
100+00
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102+00
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PLANT SCHEDULE: PRINTER'S ALLEY

SYM	QTY	SCIENTIFIC NAME	COMMON NAME	SPACING	INSTALL SIZE	CONDITION	COMMENTS
TREES							
AA	8	Amelanchier x 'Autumn Brilliance'	Autumn Brilliance Serviceberry		10' - 12' HT.	B&B	
ASF	5	Acer saccharum 'Fall Fiesta'	Sugar Maple		2 1/2" - 3" Cal.	B&B	
QR	3	Quercus rubra	Red Oak		2 1/2" - 3" Cal.	B&B	
SHRUBS							
HV	3	Hamamelis virginiana	Common Witchhazel	60" O.C.	2-3' HT.	Cont.	
RAG	94	Rhus aromatica 'Gro-low'	Gro-low Fragrant Sumac	36" O.C.	1.5-2' HT.	Cont.	
RR	13	Rosa rugosa	Rugosa Rose	48" O.C.	3-4' HT.	Cont.	3-5 Canes min.
SI	23	Stephanandra incisa 'Crispa'	Cutleaf Stephanandra	36" O.C.	1.5-2' HT.	Cont.	3-5 Canes min.
SP	4	Syringa pubescens subsp. patula 'Miss Kim'	Miss Kim Manchurian Lilac		3-4' HT.	Cont.	5 Canes min.
PERENNIALS							
AJP	45	Astilbe japonica 'Peach Blossom'	Peach Blossom False Spirea	24" O.C.	#2 Cont.	Cont.	White
EP	39	Echinacea purpurea 'Pow Wow Wild Berry'	Purple Coneflower	18" O.C.	#2 Cont.	Cont.	
HDD	9	Hemerocallis 'Daring Deception'	Daring Deception Daylily	18" O.C.	#2 Cont.	Cont.	
HHR	54	Hemerocallis 'Happy Returns'	Happy Returns Daylily	18" O.C.	#2 Cont.	Cont.	
HJS	40	Hemerocallis 'Joan Senior'	Joan Senior Daylily	18" O.C.	#2 Cont.	Cont.	
HJU	11	Hemerocallis 'Judith'	Judith Daylily	18" O.C.	#2 Cont.	Cont.	
HRO	20	Hemerocallis 'Royal Occasion'	Royal Occasion Daylily	18" O.C.	#2 Cont.	Cont.	
HGA	19	Hosta 'Guacamole'	Guacamole Hosta	36" O.C.	#2 Cont.	Cont.	
NF	30	Nepeta x faassenii 'Walkers Low'	Walkers Low Catmint	24" O.C.	#2 Cont.	Cont.	
RFG	112	Rudbeckia fulgida 'Goldsturm'	Goldsturm Brown-Eyed Susan	18" O.C.	#2 Cont.	Cont.	
GRASSES & FERNS							
CAK	29	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	18" O.C.	#2 Cont.	Cont.	
MS	21	Matteuccia struthiopteris	Ostrich Fern	24" O.C.	#2 Cont.	Cont.	
PV	35	Panicum varigatum 'Northwind'	Northwind Switch Grass	24" O.C.	#2 Cont.	Cont.	
SS	15	Schizachyrium scoparium 'The Blues'	The Blues Little Bluestem	18" O.C.	#2 Cont.	Cont.	
SH	75	Sporobolus heterolepis	Prairie Dropseed	24" O.C.	#2 Cont.	Cont.	
SEED MIXES							
LAWN: SEED MIX: VTRANS "URBAN AREA CONSERVATION MIX"							

REVISION	DATE	DESCRIPTION	BY
1	5/17/2019	ADDED COMMON NAME	RJF

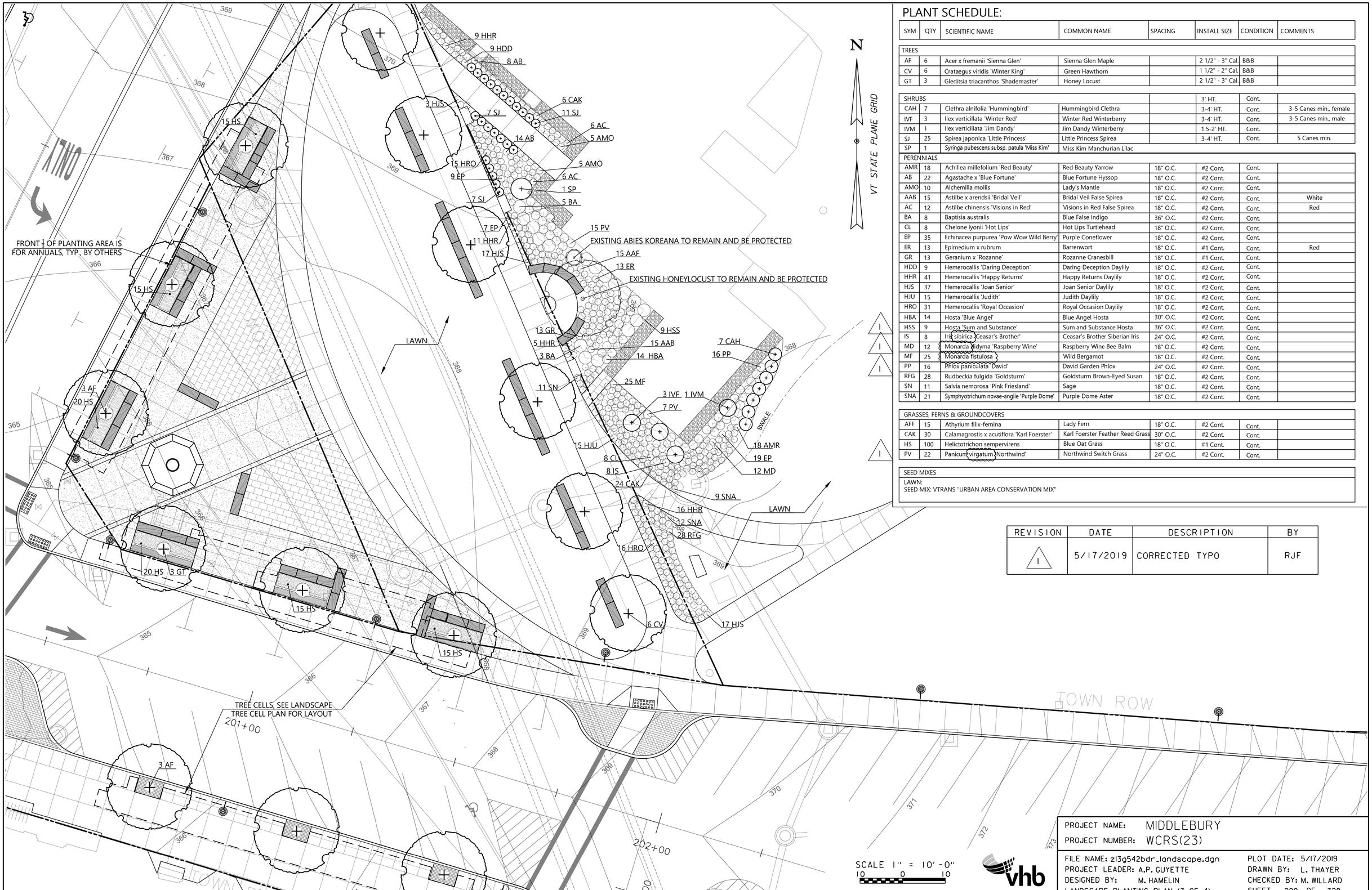
SCALE 1" = 10'-0"
10 0 10

vhb

PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: WCRS(23)

FILE NAME: z13g542bdr_landscape.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: M. HAMELIN
LANDSCAPE PLANTING PLAN (2 OF 4)

PLOT DATE: 5/17/2019
DRAWN BY: L. THAYER
CHECKED BY: M. WILLARD
SHEET 288 OF 328



PLANT SCHEDULE:

SYM	QTY	SCIENTIFIC NAME	COMMON NAME	SPACING	INSTALL SIZE	CONDITION	COMMENTS
TREES							
AF	6	Acer x fremanii 'Sienna Glen'	Sienna Glen Maple		2 1/2" - 3" Cal.	B&B	
CV	6	Crataegus viridis 'Winter King'	Green Hawthorn		1 1/2" - 2" Cal.	B&B	
GT	3	Gleditsia triacanthos 'Shademaster'	Honey Locust		2 1/2" - 3" Cal.	B&B	
SHRUBS					3' HT.	Cont.	
CAH	7	Clethra alnifolia 'Hummingbird'	Hummingbird Clethra		3-4' HT.	Cont.	3-5 Canes min., female
IVF	3	Ilex verticillata 'Winter Red'	Winter Red Winterberry		3-4' HT.	Cont.	3-5 Canes min., male
IVM	1	Ilex verticillata 'Jim Dandy'	Jim Dandy Winterberry		1.5-2' HT.	Cont.	
SJ	25	Spirea japonica 'Little Princess'	Little Princess Spirea		3-4' HT.	Cont.	5 Canes min.
SP	1	Syringa pubescens subsp. patula 'Miss Kim'	Miss Kim Manchurian Lilac				
PERENNIALS							
AMR	18	Achillea millefolium 'Red Beauty'	Red Beauty Yarrow	18" O.C.	#2 Cont.	Cont.	
AB	22	Agastache x 'Blue Fortune'	Blue Fortune Hyssop	18" O.C.	#2 Cont.	Cont.	
AMO	10	Alchemilla mollis	Lady's Mantle	18" O.C.	#2 Cont.	Cont.	
AAB	15	Astilbe x arendsii 'Bridal Veil'	Bridal Veil False Spirea	18" O.C.	#2 Cont.	Cont.	White
AC	12	Astilbe chinensis 'Visions in Red'	Visions in Red False Spirea	18" O.C.	#2 Cont.	Cont.	Red
BA	8	Baptisia australis	Blue False Indigo	36" O.C.	#2 Cont.	Cont.	
CL	8	Chelone lyonii 'Hot Lips'	Hot Lips Turtlehead	18" O.C.	#2 Cont.	Cont.	
EP	35	Echinacea purpurea 'Pow Wow Wild Berry'	Purple Coneflower	18" O.C.	#2 Cont.	Cont.	
ER	13	Epimedium x rubrum	Barrenwort	18" O.C.	#1 Cont.	Cont.	Red
GR	13	Geranium x 'Rozanne'	Rozanne Cranesbill	18" O.C.	#1 Cont.	Cont.	
HDD	9	Hemerocallis 'Daring Deception'	Daring Deception Daylily	18" O.C.	#2 Cont.	Cont.	
HHR	41	Hemerocallis 'Happy Returns'	Happy Returns Daylily	18" O.C.	#2 Cont.	Cont.	
HJS	37	Hemerocallis 'Joan Senior'	Joan Senior Daylily	18" O.C.	#2 Cont.	Cont.	
HJU	15	Hemerocallis 'Judith'	Judith Daylily	18" O.C.	#2 Cont.	Cont.	
HRO	31	Hemerocallis 'Royal Occasion'	Royal Occasion Daylily	18" O.C.	#2 Cont.	Cont.	
HBA	14	Hosta 'Blue Angel'	Blue Angel Hosta	30" O.C.	#2 Cont.	Cont.	
HSS	9	Hosta 'Sum and Substance'	Sum and Substance Hosta	36" O.C.	#2 Cont.	Cont.	
IS	8	Iris sibirica 'Ceasar's Brother'	Ceasar's Brother Siberian Iris	24" O.C.	#2 Cont.	Cont.	
MD	12	Monarda didyma 'Raspberry Wine'	Raspberry Wine Bee Balm	18" O.C.	#2 Cont.	Cont.	
MF	25	Monarda fistulosa	Wild Bergamot	18" O.C.	#2 Cont.	Cont.	
PP	16	Phlox paniculata 'David'	David Garden Phlox	24" O.C.	#2 Cont.	Cont.	
RFG	28	Rudbeckia fulgida 'Goldsturm'	Goldsturm Brown-Eyed Susan	18" O.C.	#2 Cont.	Cont.	
SN	11	Salvia nemorosa 'Pink Friesland'	Sage	18" O.C.	#2 Cont.	Cont.	
SNA	21	Symphyotrichum novae-anglie 'Purple Dome'	Purple Dome Aster	18" O.C.	#2 Cont.	Cont.	
GRASSES, FERNS & GROUNDCOVERS							
AFF	15	Athyrium filix-femina	Lady Fern	18" O.C.	#2 Cont.	Cont.	
CAK	30	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	30" O.C.	#2 Cont.	Cont.	
HS	100	Helictotrichon sempervirens	Blue Oat Grass	18" O.C.	#1 Cont.	Cont.	
PV	22	Panicum virgatum 'Northwind'	Northwind Switch Grass	24" O.C.	#2 Cont.	Cont.	

SEED MIXES

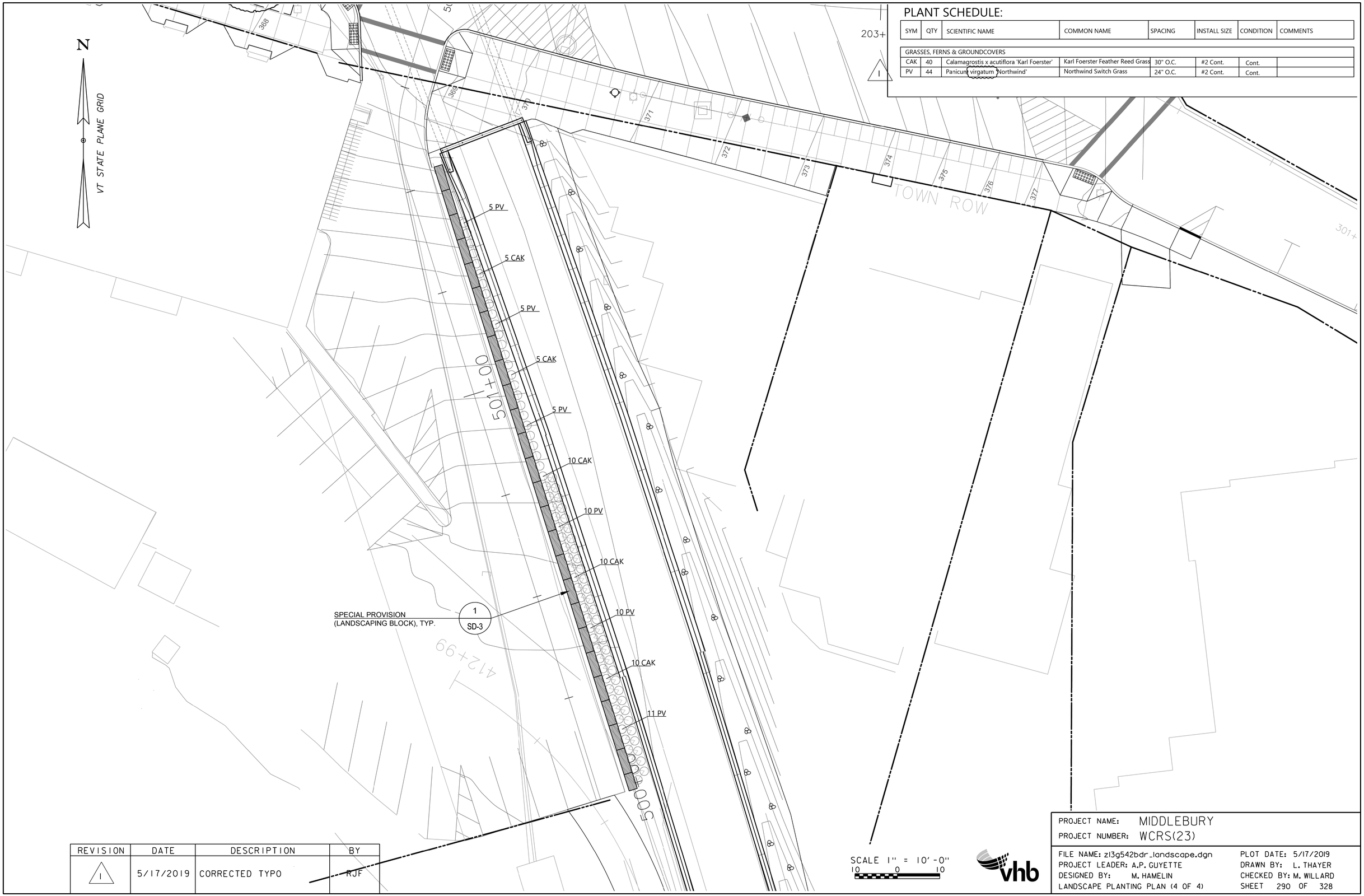
LAWN:
SEED MIX: VTRANS "URBAN AREA CONSERVATION MIX"

REVISION	DATE	DESCRIPTION	BY
1	5/17/2019	CORRECTED TYPO	RJF

PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: WCRS(23)

FILE NAME: zl3g542bdr_landscape.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: M. HAMELIN
LANDSCAPE PLANTING PLAN (3 OF 4)

PLOT DATE: 5/17/2019
DRAWN BY: L. THAYER
CHECKED BY: M. WILLARD
SHEET 289 OF 328



PLANT SCHEDULE:

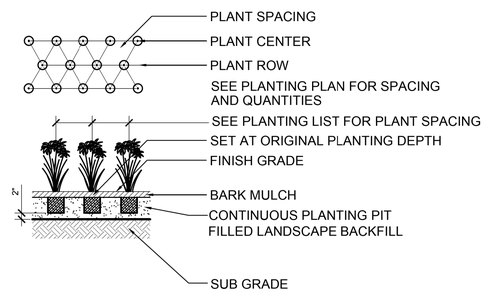
SYM	QTY	SCIENTIFIC NAME	COMMON NAME	SPACING	INSTALL SIZE	CONDITION	COMMENTS
GRASSES, FERNS & GROUNDCOVERS							
CAK	40	Calamagrostis x acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	30" O.C.	#2 Cont.	Cont.	
PV	44	Panicum virgatum 'Northwind'	Northwind Switch Grass	24" O.C.	#2 Cont.	Cont.	

REVISION	DATE	DESCRIPTION	BY
1	5/17/2019	CORRECTED TYPO	RJF

PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: WCRS(23)

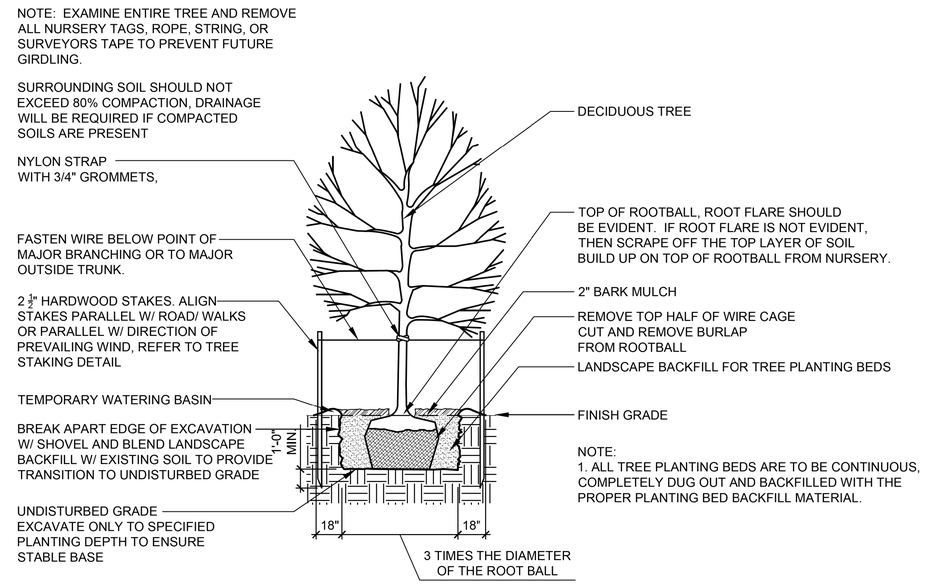
FILE NAME: z13g542bdr_landscape.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: M. HAMELIN
LANDSCAPE PLANTING PLAN (4 OF 4)

PLOT DATE: 5/17/2019
DRAWN BY: L. THAYER
CHECKED BY: M. WILLARD
SHEET 290 OF 328



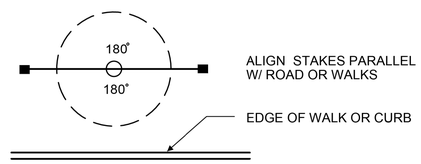
3 PERENNIAL & GRASS PLANTING

SCALE: 1/2" = 1'-0"

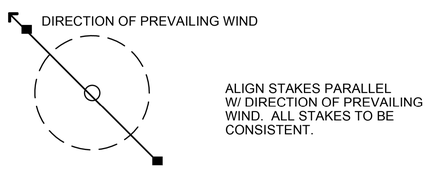


1 TREE PLANTING

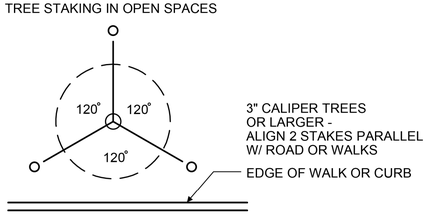
SCALE 1/4" = 1'-0"



A. TREE STAKING ALONG ROAD OR WALKS



B. TREE STAKING IN OPEN SPACES

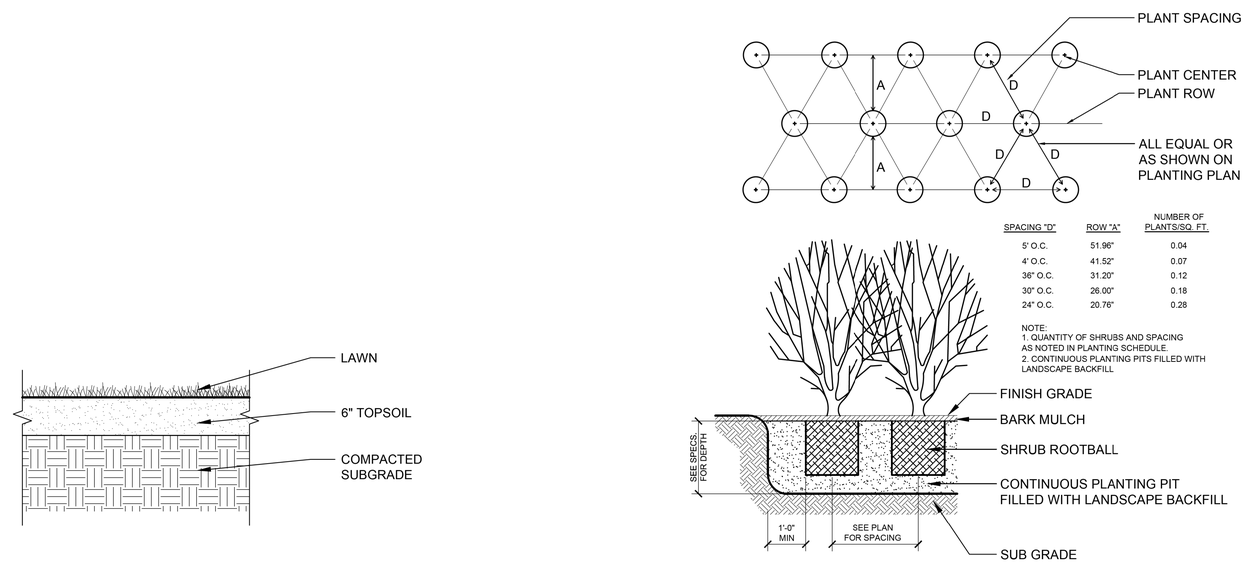


C. TREE GUYING

5 TREE STAKING LAYOUT

NO SCALE

p-stake.dwg

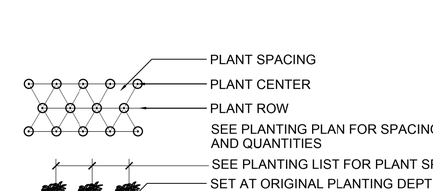


SPACING "D"	ROW "A"	NUMBER OF PLANTS/SQ. FT.
5' O.C.	51.96"	0.04
4' O.C.	41.52"	0.07
36" O.C.	31.20"	0.12
30" O.C.	26.00"	0.18
24" O.C.	20.76"	0.28

NOTE:
1. QUANTITY OF SHRUBS AND SPACING AS NOTED IN PLANTING SCHEDULE.
2. CONTINUOUS PLANTING PITS FILLED WITH LANDSCAPE BACKFILL

2 SHRUB PLANTING

SCALE: 1/2" = 1'-0"



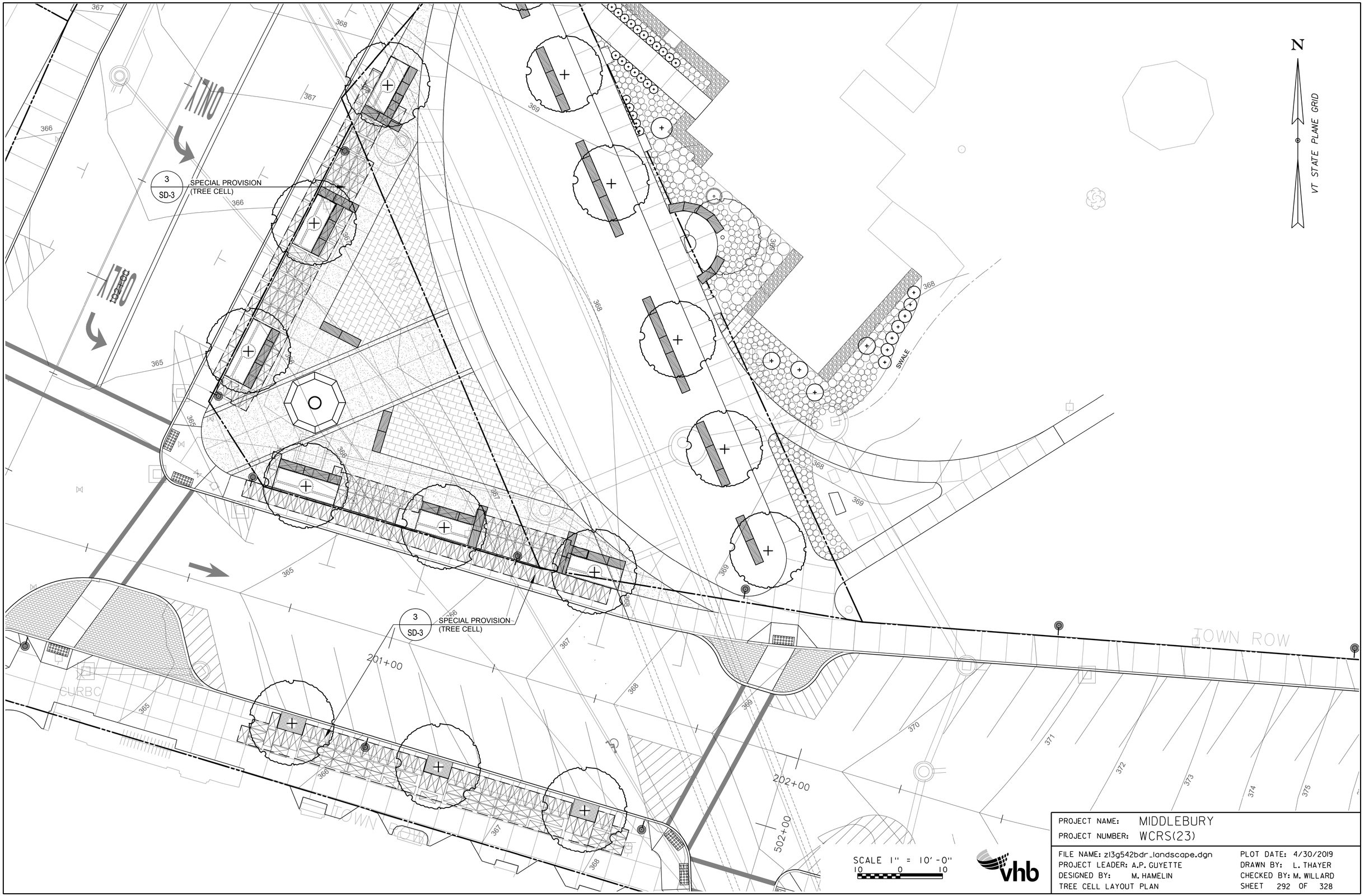
4 LAWN

SCALE 1" = 1'-0"

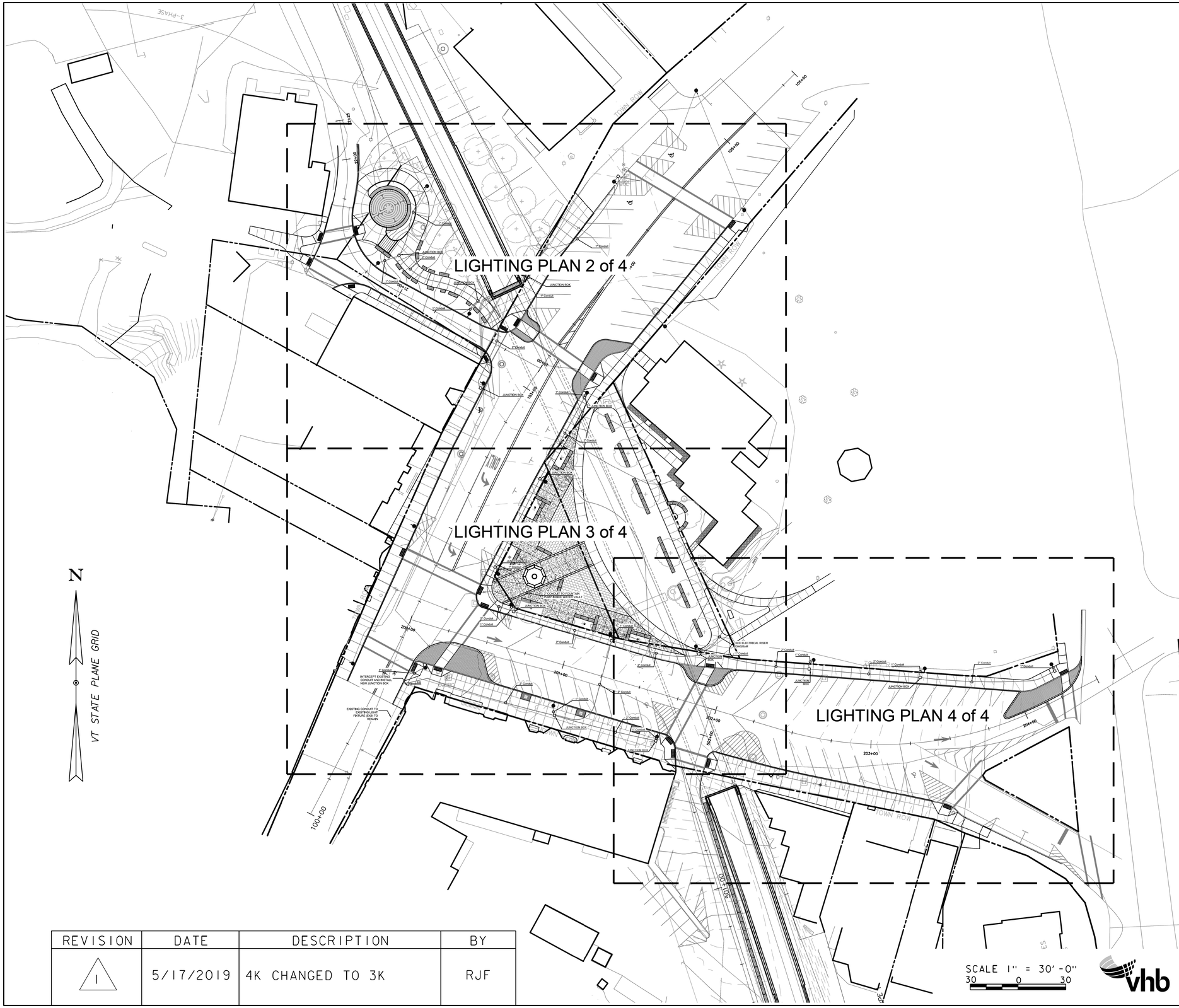
SCALE 1" = 10'-0"
10 0 10

vhb

PROJECT NAME: MIDDLEBURY	
PROJECT NUMBER: WCRS(23)	
FILE NAME: zl3g542bdr_landscape.dgn	PLOT DATE: 4/30/2019
PROJECT LEADER: A.P. GUYETTE	DRAWN BY: L. THAYER
DESIGNED BY: M. HAMELIN	CHECKED BY: M. WILLARD
PLANTING DETAIL SHEET	SHEET 291 OF 328



PROJECT NAME: MIDDLEBURY	
PROJECT NUMBER: WCRS(23)	
FILE NAME: z13g542bdr_landscape.dgn	PLOT DATE: 4/30/2019
PROJECT LEADER: A.P. GUYETTE	DRAWN BY: L. THAYER
DESIGNED BY: M. HAMELIN	CHECKED BY: M. WILLARD
TREE CELL LAYOUT PLAN	SHEET 292 OF 328



STREET LIGHT ASSEMBLY
FIXTURE AND POLE SPECIFICATIONS

Fixture A - STREET LIGHT ASSEMBLY

Manufacturer:	Phillips - Lumec
Fixture:	L80
LED:	80watt 48LED 3K
Optics:	LE4
Adapter:	SF80
Pole:	RTA906V-14
Pole Options:	GFI (Duplex Receptacle, ground fault interrupter, w/ weatherproof aluminum black painted cover)
Banner Arms:	BASB (2)18
Finish:	BKTX (Black textured)

Fixture B - STREET LIGHT ASSEMBLY

Manufacturer:	Phillips - Lumec
Fixture:	L80
LED:	80watt 48LED 3K
Optics:	LE5
Adapter:	SF80
Pole:	RTA906V-14
Pole Options:	GFI (Duplex Receptacle, ground fault interrupter, w/ weatherproof aluminum black painted cover)
Banner Arms:	BASB (2)18
Finish:	BKTX (Black textured)

Fixture C - STREET LIGHT ASSEMBLY

Manufacturer:	Phillips - Lumec
Fixture:	L80
LED:	80watt 48LED 3K
Optics:	LE4
Adapter:	SF80
Pole:	RTA906V-16
Pole Options:	GFI (Duplex Receptacle, ground fault interrupter, w/ weatherproof aluminum black painted cover)
Banner Arms:	BASB (2)18
Finish:	BKTX (Black textured)

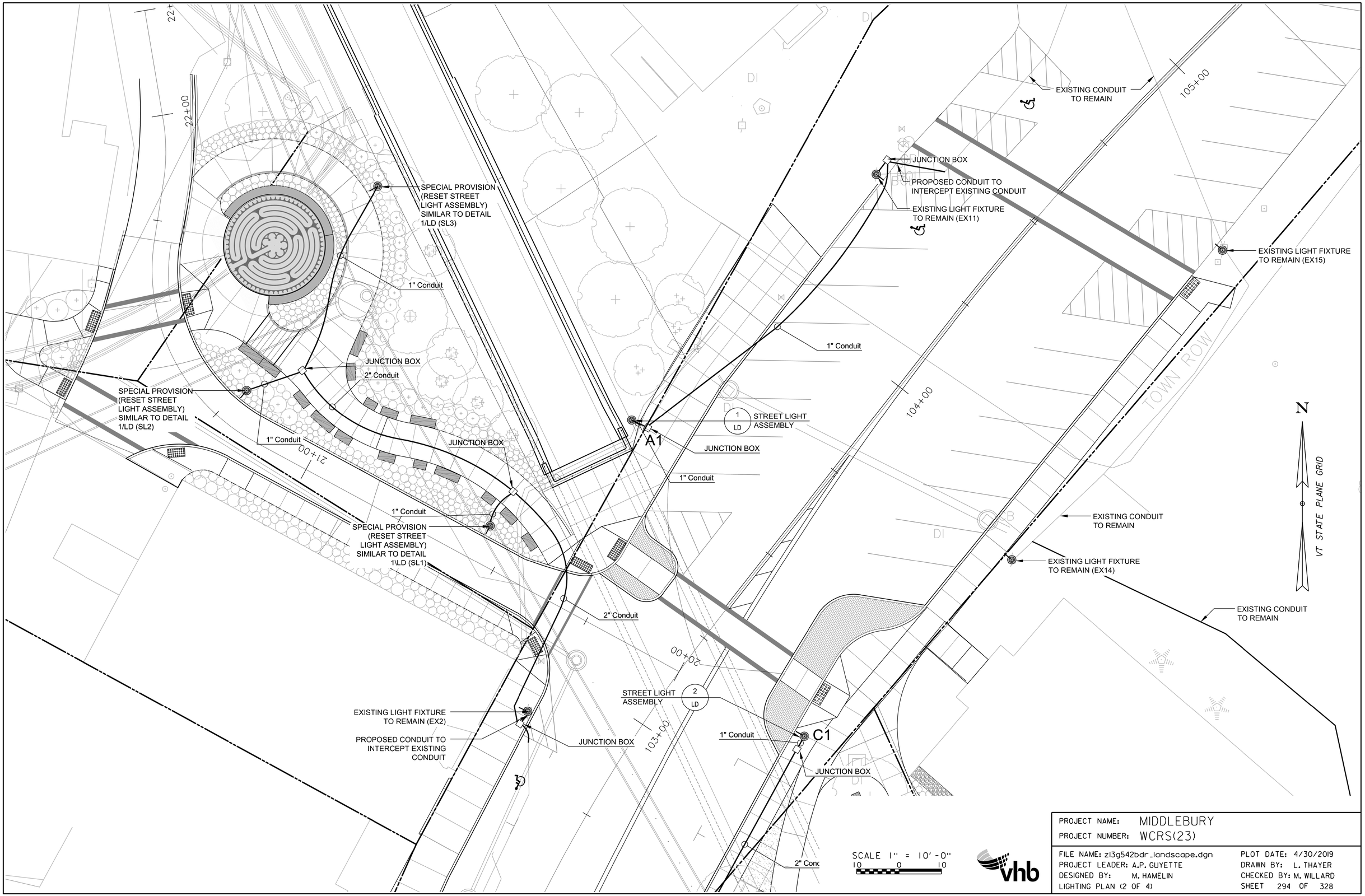
NOTES:
1. PRIOR TO ORDERING, CONTRACTOR IS RESPONSIBLE TO VERIFY ALL LIGHT FIXTURE AND POLE QUANTITIES FOUND IN THE LIGHTING PLANS. IF ANY DISCREPANCIES ARE FOUND, OWNER OR OWNER'S REPRESENTATIVE SHOULD BE NOTIFIED IMMEDIATELY.
2. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL OF THE COMPLETE ASSEMBLY OF THE LIGHT POLE, LIGHT FIXTURE AND ACCESSORIES.
3. REFER TO ELECTRICAL DETAIL SHEET FOR LIGHTING, RECEPTACLE, AND POWER SUPPLY CIRCUITING INFORMATION. REFER TO PROPOSED UTILITY LAYOUT DRAWINGS FOR POWER SUPPLY LOCATIONS.

REVISION	DATE	DESCRIPTION	BY
1	5/17/2019	4K CHANGED TO 3K	RJF

PROJECT NAME: MIDDLEBURY
PROJECT NUMBER: WCRS(23)

FILE NAME: z13g542bdr_landscape.dgn
PROJECT LEADER: A.P. GUYETTE
DESIGNED BY: M. HAMELIN
LIGHTING PLAN (1 OF 4)

PLOT DATE: 5/17/2019
DRAWN BY: L. THAYER
CHECKED BY: M. WILLARD
SHEET 293 OF 328



PROJECT NAME: MIDDLEBURY	
PROJECT NUMBER: WCRS(23)	
FILE NAME: zl3g542bdr_landscape.dgn	PLOT DATE: 4/30/2019
PROJECT LEADER: A.P. GUYETTE	DRAWN BY: L. THAYER
DESIGNED BY: M. HAMELIN	CHECKED BY: M. WILLARD
LIGHTING PLAN (2 OF 4)	SHEET 294 OF 328

N

VT STATE PLANE GRID

ONLY

STREET LIGHT ASSEMBLY 1/LD

JUNCTION BOX

B1

2" Conduit

EXISTING CONDUIT TO REMAIN

EXISTING LIGHT FIXTURE TO REMAIN (EX1)

EXISTING CONDUIT TO REMAIN

2" Conduit

JUNCTION BOX

1" Conduit

LOCATE JUNCTION BOX TO INTERCEPT EXISTING CONDUIT CROSSING MAIN STREET

C2

EXISTING CONDUIT TO REMAIN

2" CONDUIT TO FOUNTAIN PUMP INSIDE WATER VAULT

STREET LIGHT ASSEMBLY 2/LD

C3

JUNCTION BOX

2" Conduit

1" Conduit

SWALE

EXISTING CONDUIT TO REMAIN

EXISTING LIGHTING CONTROL CABINET - SEE ELECTRICAL PLANS FOR REVISIONS

TOWN ROAD

200+00

B2

1" Conduit

HH

2" Conduit

B3

SEE ELECTRICAL RISER DIAGRAM

2" Conduit

1" Conduit

JUNCTION BOX

REMOVE STREET LIGHT ASSEMBLY

STREET LIGHT ASSEMBLY 1/LD

EXISTING LIGHT FIXTURE TO REMAIN (EX8)

1" Conduit

INTERCEPT EXISTING CONDUIT AND INSTALL NEW JUNCTION BOX

HH

C6

2" Conduit

201+00

STREET LIGHT ASSEMBLY 1/LD

2" Conduit

2" Conduit

A2

1" Conduit

EXISTING CONDUIT TO EXISTING LIGHT FIXTURE (EX9) TO REMAIN

2/LD STREET LIGHT ASSEMBLY

2" Conduit

JUNCTION BOX

1" Conduit

C5

202+00

STREET LIGHT ASSEMBLY 1/LD

SCALE 1" = 10'-0"

10 0 10

vhb

PROJECT NAME: MIDDLEBURY	
PROJECT NUMBER: WCRS(23)	
FILE NAME: zl3g542bdr_landscape.dgn	PLOT DATE: 4/30/2019
PROJECT LEADER: A.P. GUYETTE	DRAWN BY: L. THAYER
DESIGNED BY: M. HAMELIN	CHECKED BY: M. WILLARD
LIGHTING PLAN (3 OF 4)	SHEET 295 OF 328