

BLUEBIRD SOLAR LANDSCAPE PROJECT NARRATIVE

LANDSCAPE INTENT

The intent of the landscape design for the Bluebird Solar site is to have the trees and shrubs be dense enough to screen/break up views to the solar array fields year-round and to blend with the surrounding rural character comprised of its woodlots and tree lined roads and fields. This is accomplished by preserving existing landscape vegetation, new plantings consisting of a mix of native trees and shrubs, and a native grass/pollinator mix located within a thirty-foot (30') landscape buffer that surrounds the site. The plant material selected for the landscape buffer provides layers of screening and habitat for the various types of wildlife in the area. New tree plantings are selected to provide various heights, shapes, and fall color. The selected shrubs provide a variety of foliage textures, visual interest through bloom color, and a supplemental food source for wildlife. In total, the selected plant materials screen and break-up views to the solar arrays while blending with the surrounding landscape.

LANDSCAPE BUFFER ZONES

Four different landscape buffers have been designed for the project: Segment 1, Segment 2, Segment 3, and Segment 4. Each landscape buffer segment is approximately 585' in length, comprised of different dominant tree and shrub landscape material, and designed so that the landscape buffers blend together.

Segment 1

Dominate Trees and Shrub

- Black Walnut (Juglens nigra)
- Eastern Red Cedar (Juniperus virginiana)
- Coralberry (Symphoricarpos orbiculatus)

Secondary Tree and Shrubs

- Pin Oak (Quercus palustris)
- Black Raspberry (Rubus occidentalis)
- Black Huckleberry (Gaylussacia baccata)

Segment 2

Dominate Tree and Shrub

- Eastern Red Cedar (Juniperus virginiana)
- Coralberry (Symphoricarpos orbiculatus)

Secondary Tree and Shrubs

- Silver Maple (Acer saccharinum)
- Prairie Crabapple (Malus ioensis)
- Southern Viburnum (Viburnum dentatum)
- American Hazelnut (Corylus americana)

Segment 3

Dominate Trees and Shrub

- Eastern Red Cedar (Juniperus virginiana)
- Silver Maple (Acer saccharinum)
- Black Raspberry (Rubus occidentalis)



Secondary Trees and Shrubs

- Redbud (Cercis canadensis)
- American Plum (Prunus americana)
- Black Raspberry (Rubus occidentalis)
- Black Huckleberry (Gaylussacia baccata)

Segment 4

Dominate Trees and Shrub

- Eastern Red Cedar (Juniperus virginiana)
- American Hazelnut (Corylus Americana)

Secondary Trees and Shrubs

- Ilex Opaca (American Holly)
- Pinus Echinata (Shortleaf Pine)
- Corralberry (Symphoricarpos orbiculatus)
- Southern Viburnum (Viburnum dentatum)

County Option

Dominate Trees and Shrub

■ Eastern Red Cedar (Juniperus virginiana)

Secondary Trees and Shrubs

- American Holly (*Ilex opaca*)
- Shortleaf Pine (Pinus echinata)

Sections of perimeter fencing that will require landscape buffer zones range in length from approximately 60' (a portion of one segment) to 3,300' (5.5 segments). Each segment will use the same native grass/pollinator seed mix. The intent is to interchange the landscape buffers as they are used around the site.

LANDSCAPE PLANT PALETTE

Botanical Name	Common Name	Evergreen / Deciduous
Trees		
Acer saccharinum	Silver Maple	Deciduous
Amelanchier arborea	Downy Serviceberry	Deciduous
Cercis canadensis	Redbud	Deciduous
Comus amomum	Silky Dogwood	Deciduous
Ilex Opaca	American Holly	Evergreen
Juglans nigra	Black Walnut	Deciduous
Juniperus virginiana	Eastern Red Cedar	Evergreen
Malus ioensis	Prairie Crabapple	Deciduous
Pinus echinate	Shortleaf Pine	Evergreen
Prunus americana	American Plum	Deciduous
Quercus palustris	Pin Oak	Deciduous
Shrubs		
Corylus americana	American Hazelnut	Deciduous
Gaylussacia baccata	Black Huckleberry	Deciduous
Hydrangea arborescens	Wild Hydrangea	Deciduous
Rubus occidentalis	Black Raspberry	Deciduous

Bluebird Solar

Landscape Project Narrative

April 26, 2021

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Symphoricarpos orbiculatus Viburnum dentatum Coralberry Southern Viburnum Deciduous Semi-Evergreen

NATIVE GRASS/POLLINATOR SEED MIX

Botanical Name	Common Name
Aster laevis	Smooth Aster
Baptisia australis	Blue False Indigo
Bouteloua curtipendula	Side Oats Grama
Cassia fasciculata	Partridge Pea
Coreopsis lanceolata	Lance Leaved Coreopsis
Dalea candida	White Prairie Clover
Dalea purpurea	Purple Prairie Clover
Eryngium yuccifolium	Rattlesnake Master
Gaillardia pulchella	Indian Blanket
Heliopsis helianthoides	False Sunflower
Liatris spicata	Spiked Blazing Star
Monarda fistulosa	Bergamot
Panicum virgatum	Switchgrass
Parthenium integrifolium	Wild Quinine
Ratibida pinnata	Greyheaded Coneflower
Rudbeckia hirta	Blackeyed Susan
Schizachyrium scoparium	Little Bluestem
Solidago rigida	Rigid Goldenrod
Solidago nemoralis	Gray Goldenrod
Sporobolus compositus	Tall Dropseed
Tridens flavus	Purple Top

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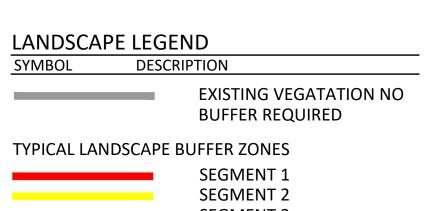
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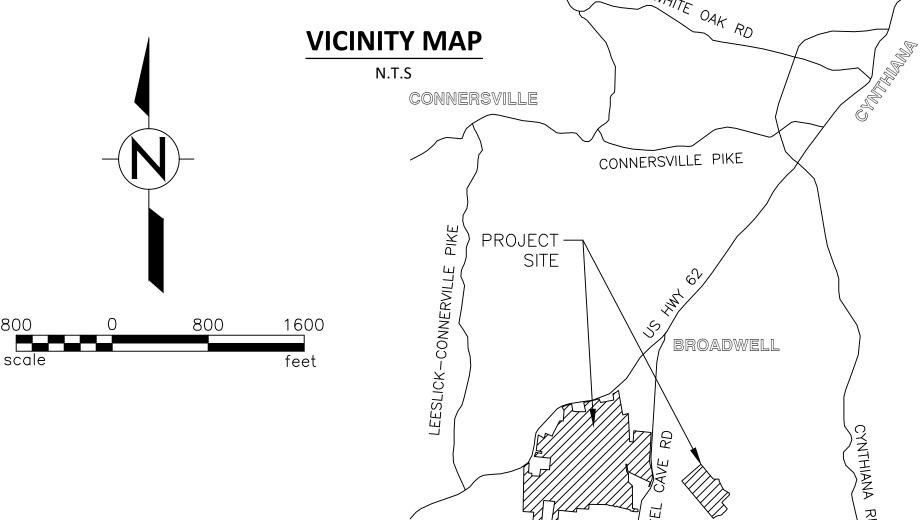
LANDSCAPE INTENT

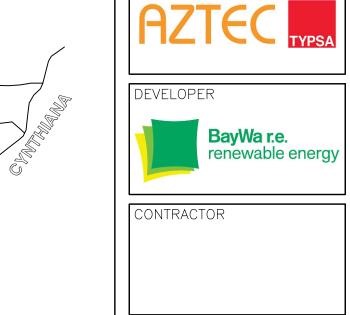
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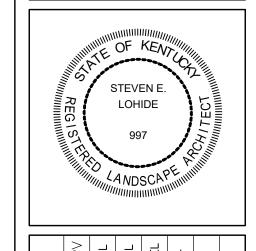


SEGMENT 3 SEGMENT 4 SEE SHEET L2.02 FOR TYPICAL LANDSCAPE PLANTING DESIGN IN BUFFER AREAS

30' LANDSCAPE BUFFER TO BE SEEDED WITH NATIVE GRASS/POLLINATOR SEED MIX, SEEDING TO EXTEND **UNDER ALL PLANTINGS**



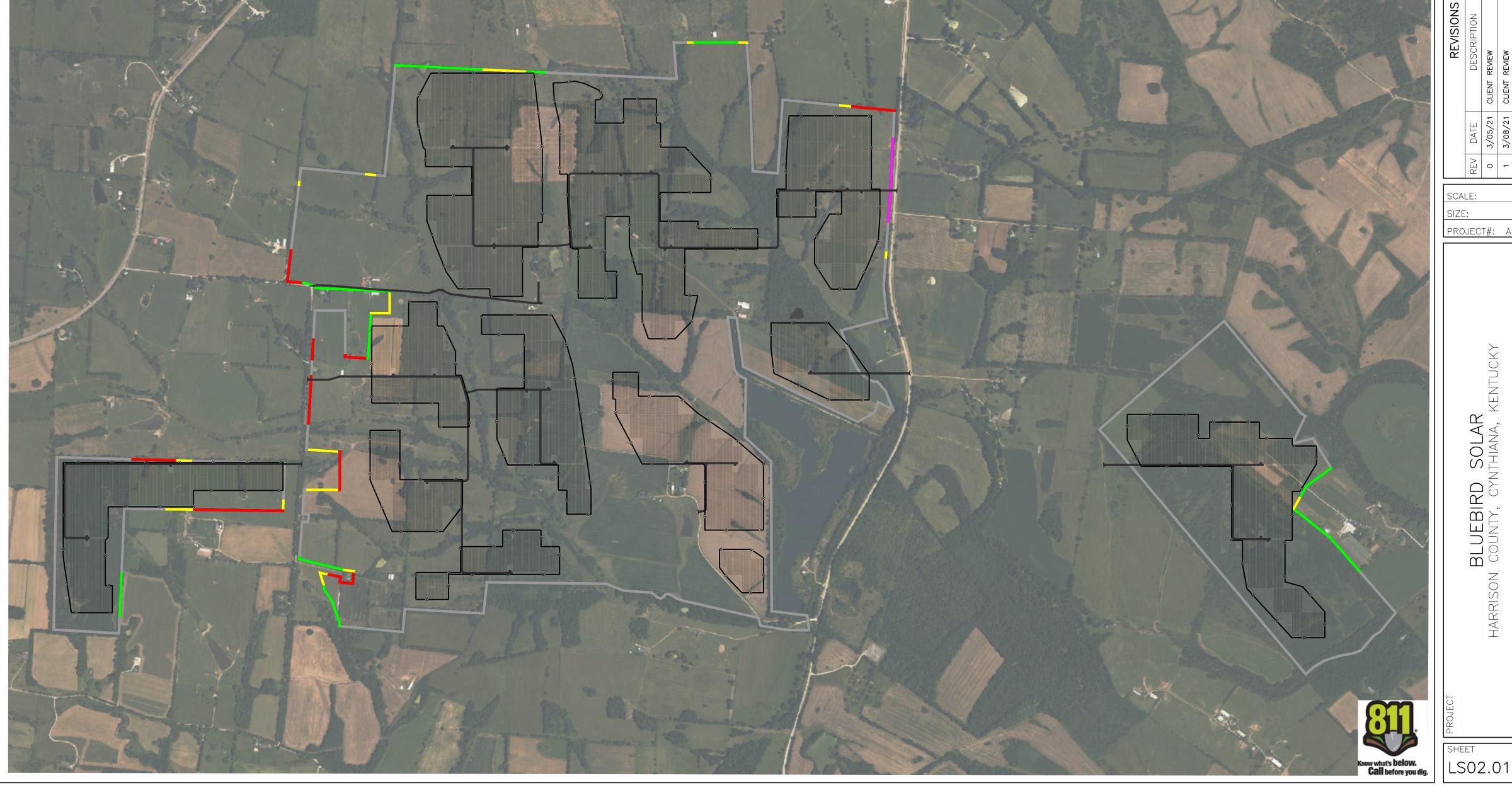


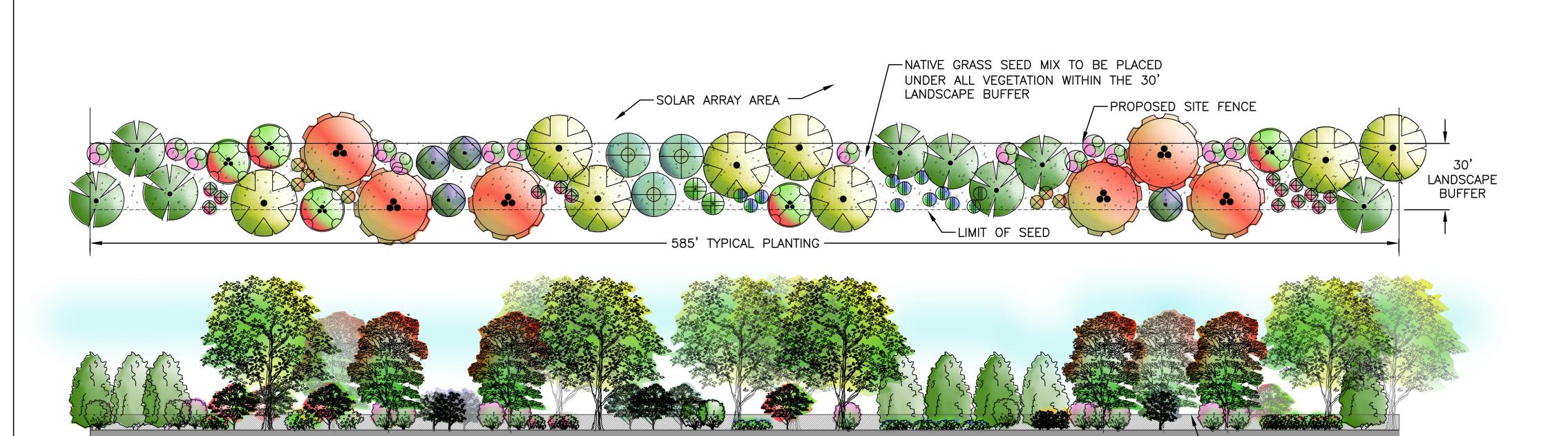


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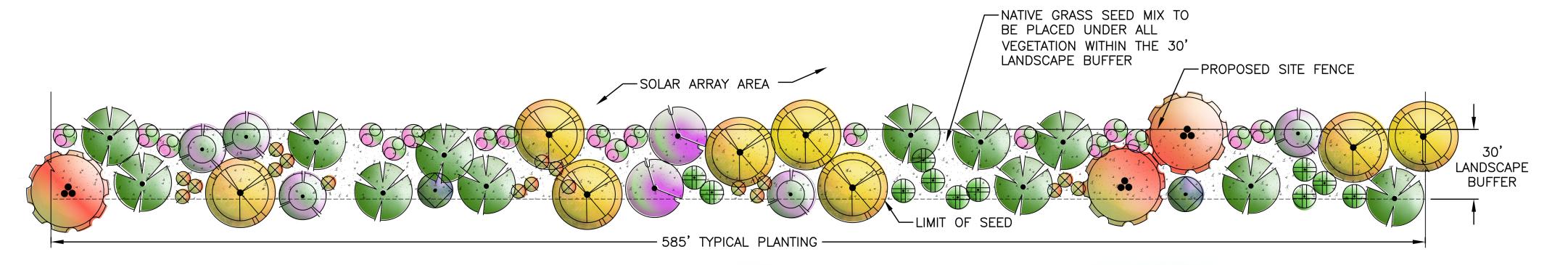
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BLUEBIRD SOLAR Harrison county, cynthiana, kentucky	LANDSCAPE BUFFER AREAS
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SEGMENT 1



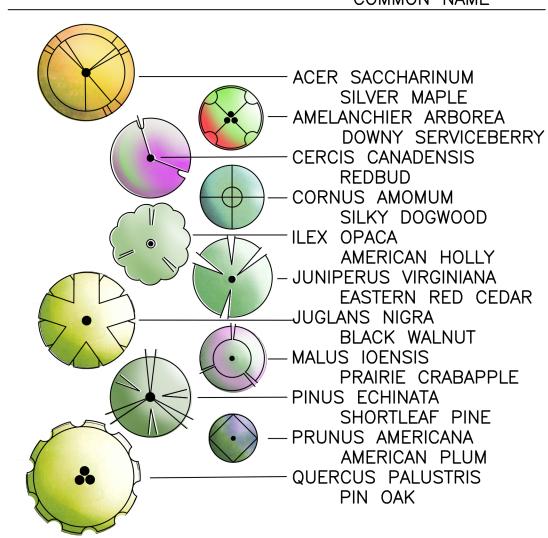


SEGMENT 2



LANDSCAPE LEGEND

SYMBOL BOTANICAL NAME COMMON NAME



AMERICAN HAZELNUT GAYLUSSACIA BACCATA BLACK HUCKLEBERRY HYDRANGEA ARBORESCENS WILD HYDRANGEA RUBUS OCCIDENTALIS BLACK RASPBERRY SYMPHORICARPOS ORBICULATUS CORALBERRY

VIBURNUM DENTATUM

SOUTHERN VIBURNUM

CORYLUS AMERICANA

NATIVE GRASS/POLLINATOR SEED MIX BOTANICAL NAME / COMMON NAME

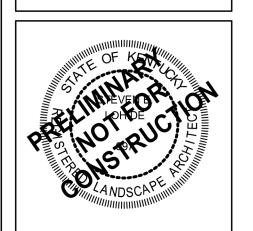
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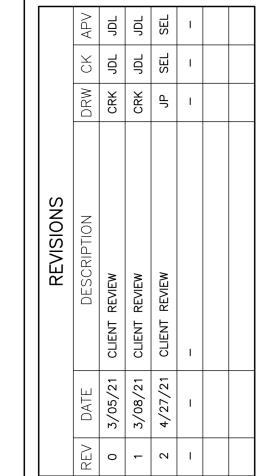
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DEVELOPER BayWa r.e. renewable energy

CONTRACTOR

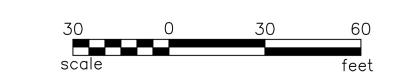


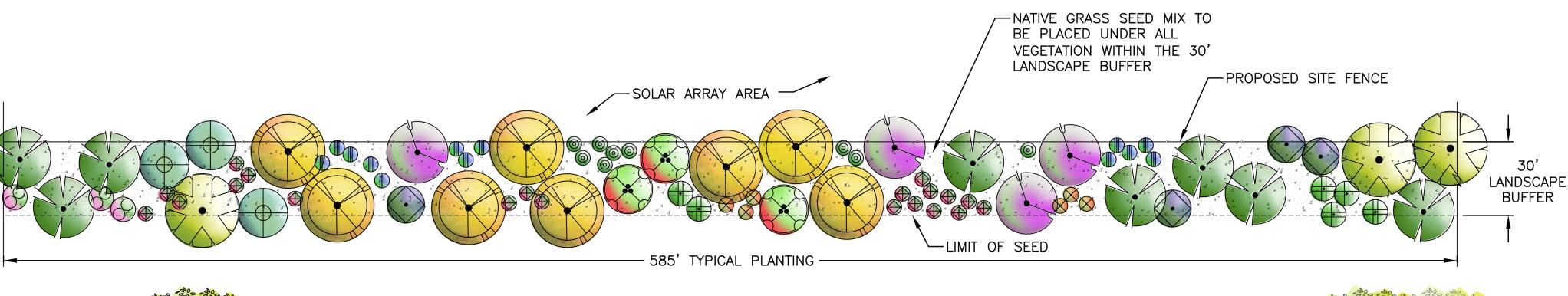


1"=30 22"x34' PROJECT#: AZENE1917-06

> SEGMENT BLUEBIRD SOLAR COUNTY, CYNTHIANA, LANDSCAPE

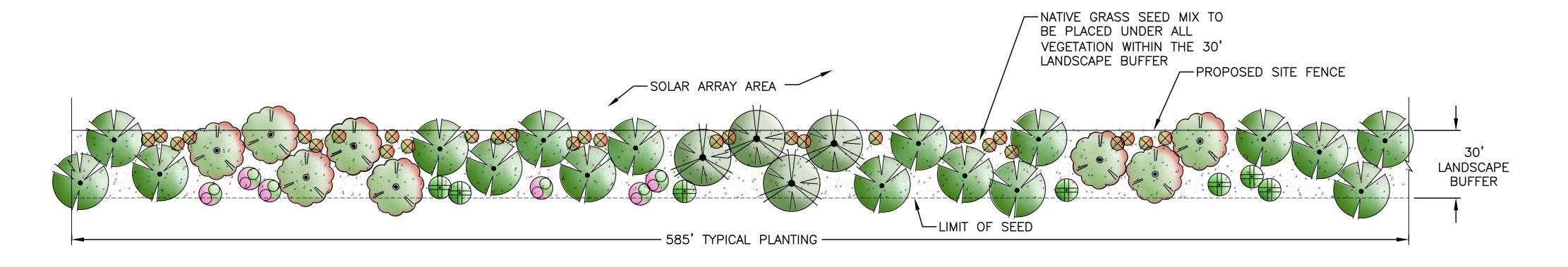
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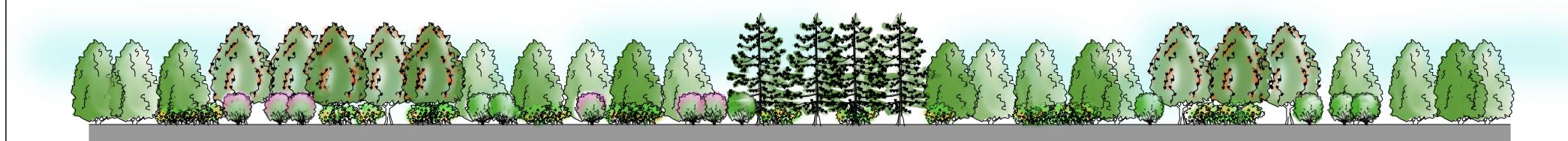






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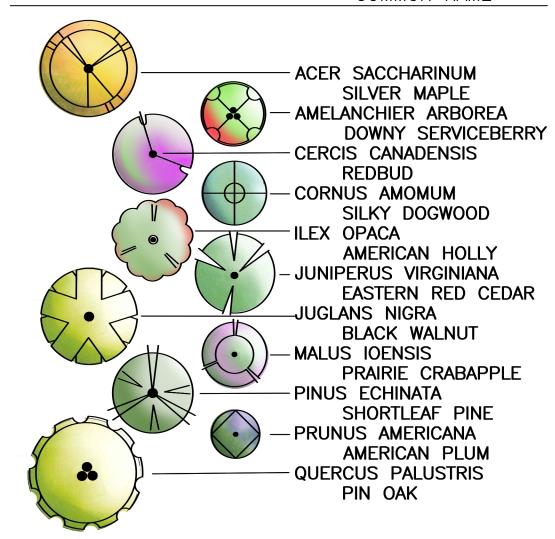




SEGMENT 4

LANDSCAPE LEGEND

SYMBOL BOTANICAL NAME COMMON NAME



CORYLUS AMERICANA

AMERICAN HAZELNUT

GAYLUSSACIA BACCATA

BLACK HUCKLEBERRY

BLACK HUCKLEBERRY

HYDRANGEA ARBORESCENS
WILD HYDRANGEA

RUBUS OCCIDENTALIS

BLACK RASPBERRY
SYMPHORICARPOS ORBICULATUS
CORALBERRY
VIBURNUM DENTATUM
SOUTHERN VIBURNUM

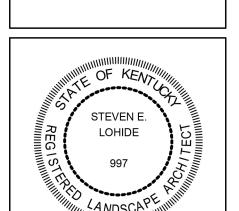
NATIVE GRASS/POLLINATOR SEED MIX
BOTANICAL NAME / COMMON NAME

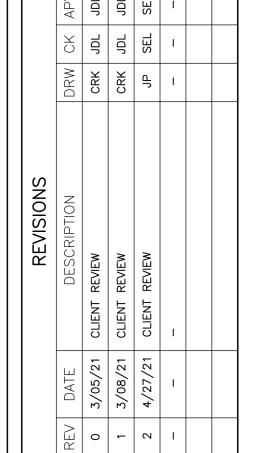
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BayWa r.e. renewable energy

CONTRACTOR





SCALE: 1"=30 SIZE: 22"x34

PROJECT#: AZENE1917-06

BLUEBIRD SOLAR county, cynthiana, kentucky

SEGMENT

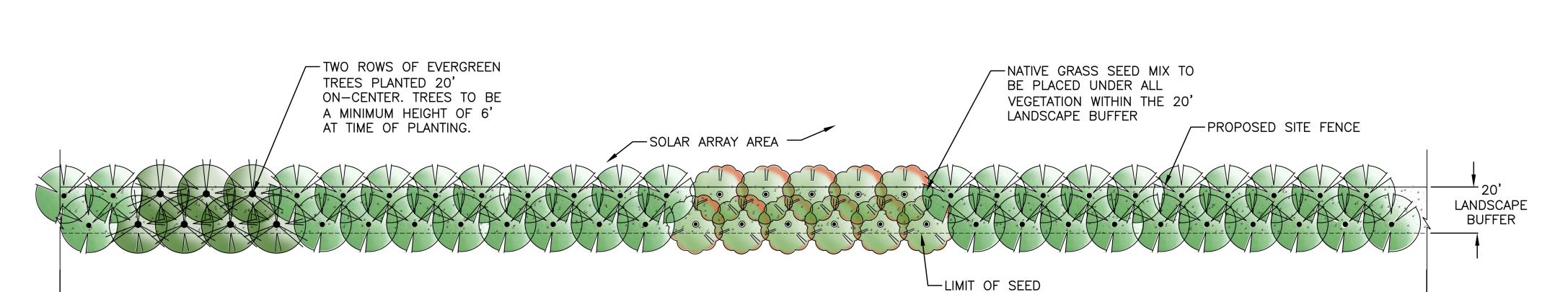
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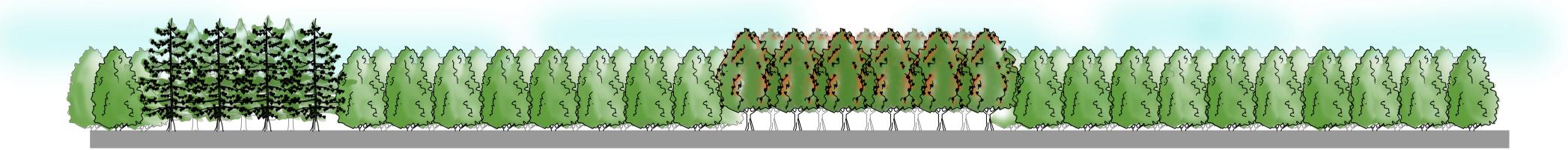
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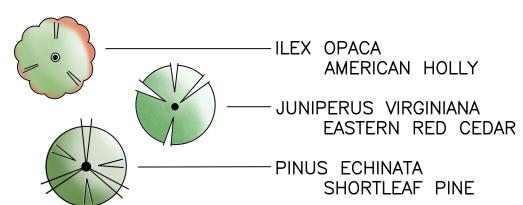
- 585' TYPICAL PLANTING -

COUNTY OPTION



SYMBOL

BOTANICAL NAME COMMON NAME



NATIVE GRASS/POLLINATOR SEED MIX BOTANICAL NAME / COMMON NAME

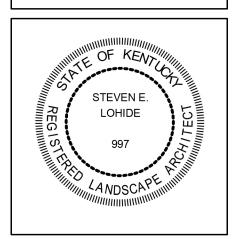
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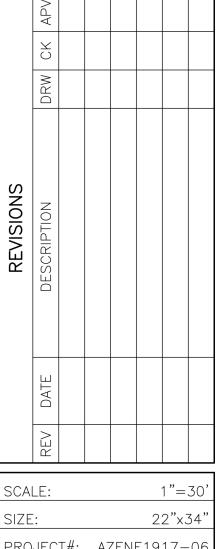




ENGINEER

CONTRACTOR





SCALE:	1"=30'
SIZE:	22"x34"
PROJECT#:	AZENE1917-06

BLUEBIRD SOLAR COUNTY, CYNTHIANA, KENTUCKY

LS02.00

