

## STORMWATER NOTES:

- Stormwater Management for this solar project will follow the amended Jefferson County Stormwater Management Ordinance, effective October 1, 2020. Specifically Article I D.2.h for Solar Energy Facilities.
- 2. The following items at a minimum will be followed:
  - a. Earth disturbance will be minimized to the greatest extent practicable
  - b. The plan will propose and establish a 90% or better uniform vegetative cover complying with the ordinance requirements.
  - c. A minimum of 12' will be maintained between rows of arrays
  - d. Foundations will generally consist of driven pile and with occupy a maximum of 5% of the total project area.
  - e. Solar Array will be generally proposed on slope flatter than 10%, in the event steeper slopes are encountered appropriate BMP's will be utilized.
- 3. A stormwater Management report with documentations and drawings will be submitted to Jefferson County for review and approval.
- 4. The solar project will also develop the required Erosion and Sediment Control Plan Stormwater Pollution Prevention Plan, and Groundwater Protection Plan to make application to register for the West Virginia Department of Environmental Protection National Pollution Discharge Elimination System (NPDES) permit for this construction.
- 5. The solar facility will be constructed on agricultural land, normally planted in row crops, hay/straw and used for grazing. The solar facility will be seeded with pollinator friendly and resistant ground cover such white clover or equivalent and will not be used for grazing.

Buffer Pollinator Mix		
Scientific Name	Common Name	Percentage of Mix
Avena satvia	Oats	Cover Crop
Schizachyrium scoparium, 'Camper'	Little Bluestem	37.2%
Bouteloua curtipendula, Butte*	Sideoats Grama*	36.0%
Chamaecrista fasciculata, PA Ecotype	Partridge Pea	7.5%
Coreopsis lanceolata	Lanceleaf Coreopsis	4.0%
Echinacea purpurea	Purple Coneflower	4.0%
Rudbeckia hirta	Blackeyed Susan	3.3%
Heliopsis helianthoides, PA Ecotype	Oxeye Sunflower	2.5%
Penstemon digitalis	Tall White Beardtongue	0.4%
Liatris spicata	Marsh Blazing Star	0.2%
Senna hebecarpa, VA & WV Ecotype	Wild Senna	1.2%
Zizia aurea	Golden Alexanders	0.7%
Geum canadense, PA ecotype	White Avens	0.4%
Monarda fistulosa, PA Ecotype	Wild Bergamot	0.5%
Pycnanthemum tenuifolium	Narrowleaf Mountainmint	0.3%
Aster laevis, NY Ecotype	Smooth Blue Aster	0.3%
Aster novae-angliae, PA Ecotype	New England Aster	0.3%
Baptisia australis, Southern WV Ecotype	Blue False Indigo	0.5%
Sisyrinchium angustifolium	Narrowleaf Blue Eyed Grass	0.3%
Oenothera fruticosa var. fruticosa	Sundrops	0.1%
Solidago nemoralis, PA Ecotype	Gray Goldenrod	0.2%
Aster prenanthoides, PA Ecotype	Zigzag Aster	0.1%
		100.0%

Solar Field Seed Mix	1				
Colombific Name	Common Nama	Percentage of Mix			
Scientific Name	Common Name	reiceillage of ivilx			
Eragrostis spectabilis, RI Ecotype	Purple Lovegrass	2%			
Bouteloua curtipendula, Butte*	Sideoats Grama*	10%			
Elymus canadensis	Canada Wild Rye	20%			
Fescue ovina	Sheep Fescue	38%			
Chamaecrista fasciculata, PA Ecotype	Sensitive Pea	8%			
Zizia aurea	Golden Alexanders	1.0%			
Trifolium repens, Ladino	White Clover	6.0%			
Trifolium pratense	Red Clover	15%			
		100.0%			

## SEED MIX NOTES:

- 1. APPLICATION RATE FOR BUFFER POLLINATOR MIX IS 15 LBS/ACRE. COVER CROP APPLICATION RATE IS 30 LBS/ACRE OF OATS.
- 2. APPLICATION RATE FOR SOLAR FIELD SEED MIX IS 5 LBS/ACRE. COVER CROP APPLICATION RATE IS 30 LBS/ACRE OF OATS.
- 3. THE PROPOSED SEED MIXES MAY BE FURTHER REVISED TO ADJUST SPECIES COMPOSITION AND/OR PERCENTAGES OF SEED MIX AND APPLICATION RATES BASED ON THE COMMERCIAL AVAILABILITY OF THE SEED MATERIAL.
- \* SPECIES SUBJECT TO CHANGE.

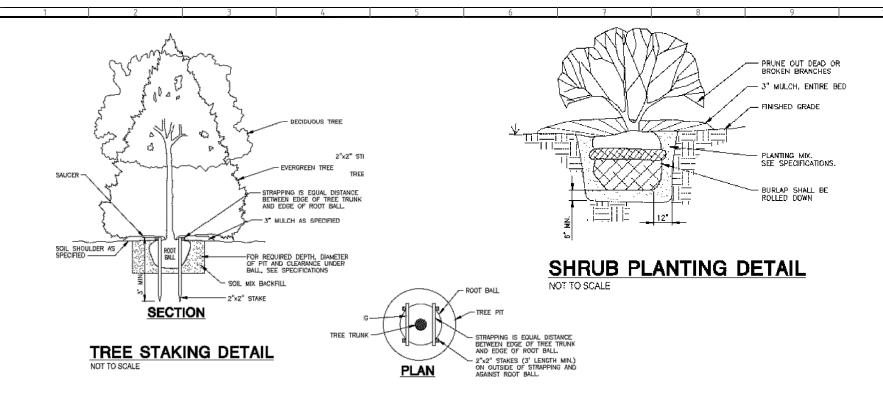
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<u>-</u>		<u> </u>	<b>7</b> <b>⊒</b>			- BARBED WIRE	7	
			TEI	NSION WIRE				- 2-7/8" STD DIA. PT40 (Fy=50ksi) PULL AND CORNER POSTS (TYP)
-   	_		-	10'-0" MAX TYP	_			· Bracing rail
		<b>***</b> *********************************	⊗∟⊺	ENSION WIRE			_	EXISTING GRADE
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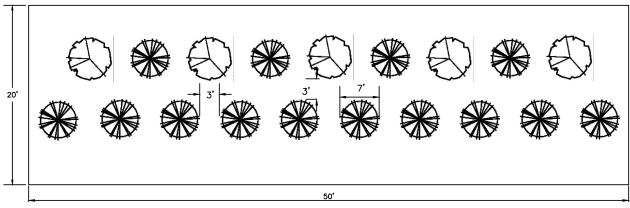
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LANDSCAPE BUFFER PLANT SCHEDULE												
SYMBOL	NATIVE	KEY	BOTANICAL NAME	COMMON NAME	SIZE	QUANTITY						
			EVERGREEN TREES-									
	✓	10	ILEX opaca	AMERICAN HOLLY	6-7' Ht., B&B	_						
	✓	JV	JUNIPERUS virginiana	EASTERN RED CEDAR	6-7' Ht., B&B	-						
*#*			DECIDUOUS UNDERSTORY TREES									
	✓	AC	AMELANCHIER canadensis	SERVICEBERRY	1" Cal., B&B	_						
5	✓	CA	CARPINUS caroliniana	AMERICAN HORNBEAM	1" Cal., B&B	_						
1 2 X	✓	СС	CERCIS canadensis	EASTERN REDBUD	1" Cal., B&B	-						
	✓	CF	CORNUS florida	DOGWOOD TREE	1" Cal., B&B	-						
	✓	MV	MAGNOLIA virginiana	SWEETBAY MAGNOLIA	5'-6' Ht., B&B	_						



LANDSCAPE PLANTING PLAN NOT TO SCALE

NOTE:

FRONT ROW SHALL BE ALL RED CEDAR AND AMERICAN HOLLY TREES, WITH TWO HOLLIES PER 50 FT. BACK ROW SHALL CONSIST OF A MIX OF TREES.

## **GENERAL LANDSCAPE NOTES**

- QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH THE CURRENT STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN "AMERICAN STANDARDS FOR NURSERY STOCK".
- CONTRACTOR SHALL BE REQUIRED TO GUARANTEE ALL PLANT MATERIALS FOR A PERIOD OF ONE YEAR AFTER
  INSTALLATION IS COMPLETE AND FINAL ACCEPTANCE OF SITE WORK HAS BEEN GIVEN. AT THE END OF ONE YEAR ALL
  PLANT MATERIAL WHICH IS DEAD OR DYING SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AS ORIGINALLY
  SPECIFIED.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND MAY MAKE MINOR ADJUSTMENTS IN SPACING AND/OR LOCATION OF PLANT MATERIALS. CONTRACTOR TO VERIFY "AS BUILT" LOCATION OF ALL UTILITIES.
- 4. NO SUBSTITUTIONS SHALL BE MADE WITHOUT APPROVAL OF THE OWNER.
- ALL AREAS NOT STABILIZED IN PAVING OR PLANT MATERIALS SHOULD BE SEEDED AND MULCHED. (SEE EROSION & SEDIMENT CONTROL PLAN.)
- . EVERGREEN TREES SHALL HAVE A FULL, WELL-BRANCHED, CONICAL FORM TYPICAL OF THE SPECIES.
- TREES SHALL BE PLANTED AND STAKED IN ACCORDANCE WITH THE STAKING DETAIL SHOWN.
- . THE FULL EXTENT OF ALL PLANTING BEDS SHALL RECEIVE 4" OF TOPSOIL AND 3" OF BARK MULCH PER SPECIFICATIONS.
- THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTINGS SHOWN ON THIS DRAWING AND AS SPECIFIED.
- 10. ALL PLANTS SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING.
- 11. THE CONTRACTOR SHALL WATER ALL PLANTS THOROUGHLY TWICE DURING THE FIRST 24—HOUR PERIOD AFTER PLANTING, AND THEN WEEKLY OR MORE OFTEN, IF NECESSARY, DURING THE FIRST GROWING SEASON.
- 12. REQUIRED LANDSCAPING AND BUFFERS WILL BE MAINTAINED IN ACCORDANCE WITH THE APPROVED MAINTENANCE PLAN.
- 13. ALL MAINTENANCE WILL BE AS SPECIFIED IN THE LANDSCAPE MAINTENANCE AGREEMENT.

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