

NOTES

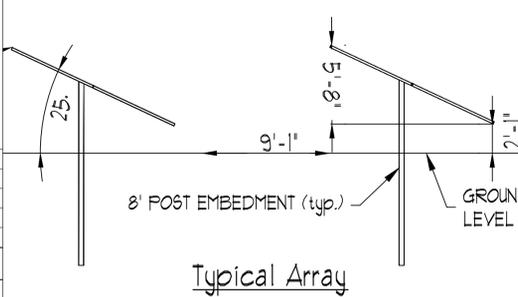
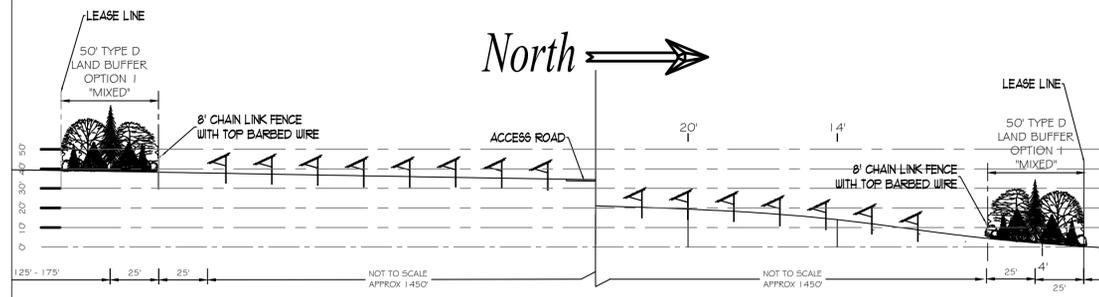
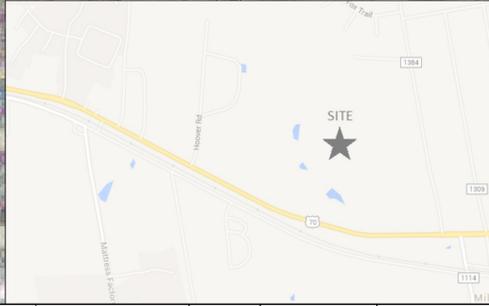
- The purpose of this plan is for a special use permit application for review and approval by Orange County to construct a solar electric power plant. All information shown is for planning purposes only.
- Existing improvements shown on this plan were taken from Orange County GIS.
- The property shown does not contain special flood hazard areas subject to inundation by the 1% annual chance flood (i.e. 100 year event).
- Location of underground utilities are approximate and must be field verified.
- Copies of all permits and approved plans must be kept on site in a permit box that is conspicuously located and easily accessible during construction.
- A sediment and erosion control plan will be approved by Orange County prior to beginning construction.
- A driveway permit will be approved by NC DOT prior to beginning construction.
- No lighting is proposed for this site.
- Aluminum signs ("DANGER - HIGH VOLTAGE" and "DANGER - NO TRESPASSING") measuring 14" x 10" in size will be placed on permanent security fencing alternating every 100 ft around the array
- Systems, equipment, and structures will not exceed 40 ft in height. Excluded from this requirement, however, are electric transmission lines and utility poles.
- Noise levels measured at the property line will not exceed 50 decibels when located adjacent to an existing residence or residential district.
- Per section 5.9.6(c)(2)(g) of the Orange County UDO, project shall observe a type D land use buffer, 50 ft in width, adjacent to property zoned or otherwise utilized for residential use. This land use buffer shall incorporate existing vegetation where available. Final landscape plan shall be approved by staff prior to commencement of land use activities.
- Per section 5.9.6(c)(2)(a) of the Orange County UDO, all on-site utility transmission lines shall be placed underground where feasible.
- Per section 5.9.6(c)(2)(c) of the Orange County UDO, individual arrays shall be designed and located to prevent glare toward inhabited buildings on adjacent properties and adjacent street right-of-ways.
- Per section 5.9.6(c)(3) of the Orange County UDO, applicant acknowledges the established procedures for the decommissioning of the site and will comply with these aforementioned standards at the appropriate time.

CONSTRUCTION WASTE NOTES

- All existing structures 500 sq ft and larger in size shall be assessed prior to demolition to ensure compliance with the county's regulated recyclable materials ordinance (RRMO) and to assess the potential for deconstruction and/or the reuse of salvageable materials.
- By Orange County ordinance, clean wood waste, scrap metal, and corrugated cardboard present in construction or demolition waste must be recycled.
- By Orange County ordinance, all haulers of mixed construction and demolition waste that includes any regulated recyclable materials shall be licensed by Orange County.
- Prior to any demolition or construction activity on site, the applicant shall hold a pre-demolition/pre-construction conference with the solid waste staff.
- The presence of any asbestos containing materials and/or hazardous materials in construction and demolition waste shall be handled in accordance with any and all local state and federal regulations and guidelines.

LANDSCAPE NOTES

- Existing foliage to remain to the maximum extent practical if existing plantings are not sufficient to meet the buffer standards, additional planting shall be installed.
- Deciduous understory trees with single stems shall have, at a minimum size of 1 inch caliper and a minimum height of 8 ft at the time of planting.
- Multi-stemmed deciduous understory trees shall have a minimum height of 8 ft at planting.
- Deciduous understory trees shall be planted at least 12 ft apart.
- Evergreen understory trees shall have a minimum height of 6 ft at planting.
- All shrubs to be cold hardy and heat tolerant.
- Upright shrubs shall be a minimum of 15 inches at planting.
- Shrubs shall not be planted closer than 3 ft at center. Shrubs shall not be planted closer than 3 ft to planted trees; however, no more than 25% of the root protection zone of an existing tree may be disturbed with new plantings.
- Type D land use buffer diagram should be 100' long and 50' wide



Pin #	Pin # Easement	Owner	Zoning	Parcel Acreage	Leased Acreage
9835-02-9137	9835-10-3858	Mace, Helen & Carl	R1	52.1	27.3
Site Address		6517 US HWY 70, Mebane, NC 27302			
Proposed Use		Ground Mount Solar Farm			
Watershed		Back Creek and Efland-cheeks HWY 70 Overlay District			
Impervious Land Area		2.00 Acres (~ 7.33%)			
Min. Setback Requirements					
		Front:	40 ft.		
		Side:	20 ft.		
		Rear:	20 ft.		
Height of arrays to be less than 40 ft. Site will be surrounded by a 8 ft gate with 3 strands of barbed wire.					

NOTE	REV.	DATE	REVISION DESCRIPTION	DRW	CHK	APP	REV.	DATE	REVISION DESCRIPTION	DRW	CHK	APP
DUKE ENERGY: INTERCONNECTION REQUEST SHEET SIZE AT FULL SCALE: 24' x 36'												

REV.	DATE	REVISION DESCRIPTION	DRW	CHK	APP	LEGAL WARNING
00	2016/11/11	SITE DEVELOPMENT	LR	DC	DC	THIS DOCUMENT AND THE IDEAS AND DECISIONS INCORPORATED HEREIN ARE THE PROPERTY OF ESA MANAGEMENT SERVICES, PLLC. AS PART OF THE INSTRUMENTS OF PROFESSIONAL SERVICE AND OBLIGATORY BY DEED, IN WHOLE OR IN PART, FOR OTHER PROJECTS WITHOUT THE EXPRESS WRITTEN AUTHORIZATION FROM ESA MANAGEMENT SERVICES, PLLC, IT IS UNLAWFUL FOR ANY PERSON TO ALTER ANY CONDITIONS OF THESE DRAWINGS UNLESS THROUGH THE APPROVAL OF THE LICENSED PROFESSIONAL EXPLOICITLY IN WRITING.
01	2016/11/11	SITE PLAN UPDATE DIMENSIONS, DESCRIPTIONS	SH	DC	DC	
02	2016/05/10	SITE PLAN UPDATE	JL	DC	DC	
03	2016/05/19	SITE PLAN UPDATE GIS LANDSCAPE PLAN MISC. REQUESTS	SH	DC	DC	
04	2016/05/25	SITE PLAN UPDATE IV	JL	DC	DC	

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REVISION	DRAWN	CHECKED	APPROVED
04JL	DCDC		

PROJECT NAME: **OAKWOOD SOLAR FARM, LLC**
 ADDRESS: 6517 US. 10, Mebane, NC 27302
 SHEET TITLE: **SITE PLAN**

SCALE: 1:1000
FORM: 24' x 36'
DRAWING N°: G202
DATE: 2016/05/25