



PROJECT BOUNDARY PARCEL LINES NON-PARTICIPATING PROPERTIES ——— EX. ROAD CENTERLINES — — EX. RIGHT-OF-WAY EX. RESIDENCE — POH — EX. OVERHEAD POWER GAS — EX. GAS PIPELINE · EX. COUNTY DRAINAGE LINE ----- EX. DELINEATED WATER LINE L \_\_\_\_\_\_\_ EX. DELINEATED WETLAND FEMA FLOOD PLAIN ----- PROPOSED PROPERTY SETBACK ----- PROPOSED FEMA SETBACK PROPOSED DELINEATED WATER LINE SETBACK — — PROPOSED DELINEATED WETLAND SETBACK ----- PROPOSED DRAINAGE LINE SETBACK ----- PROPOSED TRANSMISSION LINE SETBACK —— PROPOSED GAS LINE SETBACK PROPOSED RESIDENT HOUSE SETBACK EXCLUSION AREA PROPOSED SOLAR ARRAY PROPOSED ACCESS ROAD PROPOSED SECURITY FENCE PROPOSED ELECTRICAL EQUIPMENT PROPOSED COLLECTION LINES PROPOSED FACILITIES

PROPOSED PANEL	SETBACKS

NON-PARTICIPATING PROPERTY LINE	50 FT
RESIDENCES	200 FT
DELINEATED STREAMS	75 FT
COUNTY DRAINAGE FEATURES	75 FT
FROM ROAD ROW	
STATE ROADS	60 FT
COUNTY ROADS	50 FT
OTHER ROADS	30 FT
WETLANDS	50 FT
FEMA FLOODPLAIN	50 FT
NATURAL GAS LINES	30 FT
TRANSMISSION LINES	75 FT



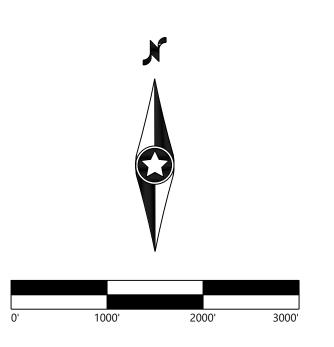
Westwood Professional Services, Inc.



## Invenergy

One South Wacker Drive, Suite 1800 Chicago, IL 60606

REVIS	SIONS:	
#	DATE	COMMENT
Α	11/09/2020	Overall Site Layout
В	11/13/2020	Overall Site Layout
C	02/08/2021	Overall Site Layout
D	02/24/2021	Overall Site Layout
E	03/23/2021	Overall Site Layout
F	03/25/2021	Overall Site Layout
G	04/1/2021	Overall Site Layout
Н	04/22/2021	Overall Site Layout
1	05/05/2021	Overall Site Layout
	·	·



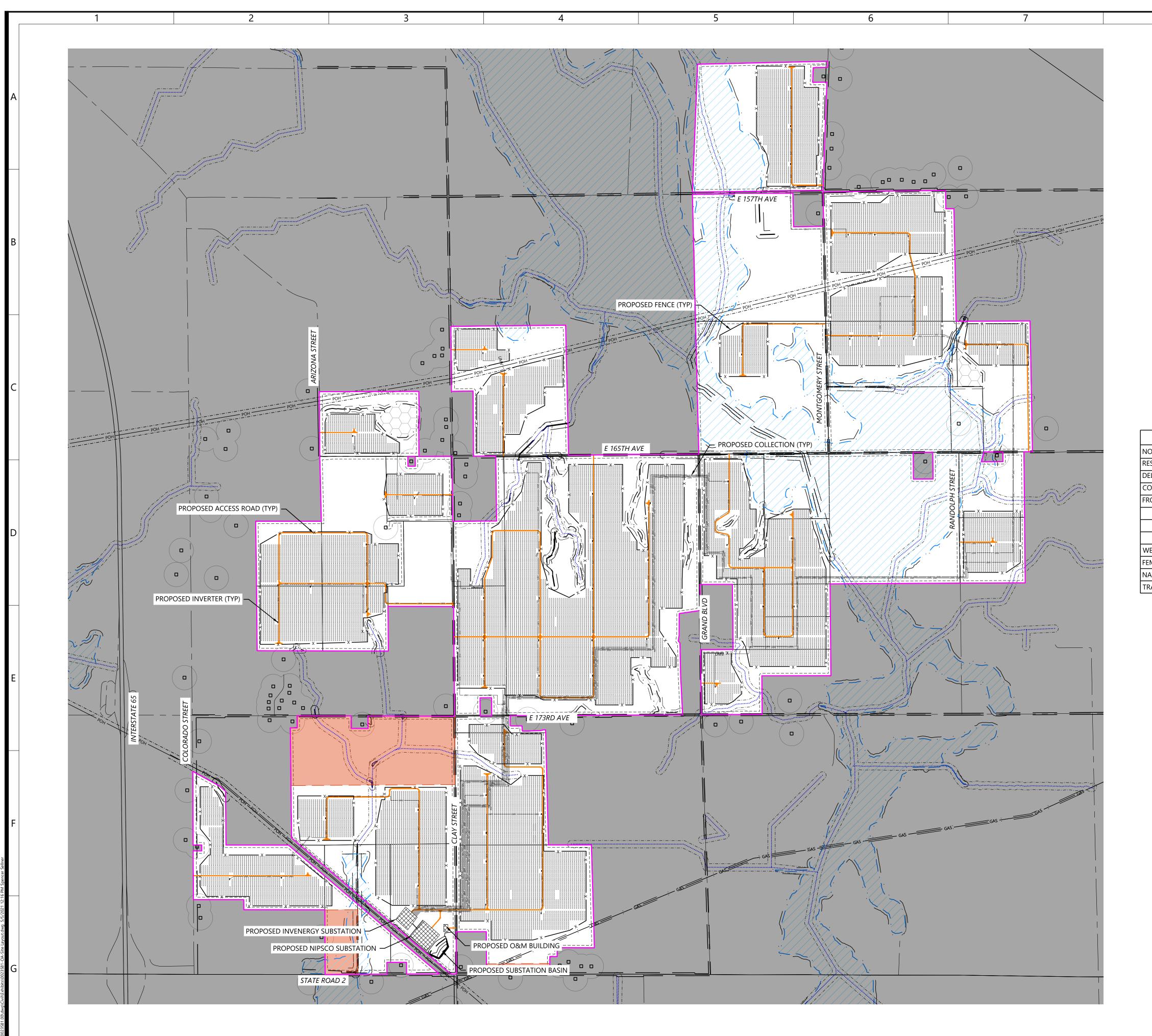
## **Foundry Works** Solar Project

Lake County, Indiana

Overall Site Layout

NOT FOR CONSTRUCTION

05/05/2021





PROJECT BOUNDARY PARCEL LINES NON-PARTICIPATING PROPERTIES ——— EX. ROAD CENTERLINES — — EX. RIGHT-OF-WAY EX. RESIDENCE — POH — EX. OVERHEAD POWER ——— GAS ——— EX. GAS PIPELINE EX. COUNTY DRAINAGE LINE ----- EX. DELINEATED WATER LINE EX. DELINEATED WETLAND FEMA FLOOD PLAIN ----- PROPOSED PROPERTY SETBACK ----- PROPOSED FEMA SETBACK PROPOSED DELINEATED WATER LINE SETBACK — PROPOSED DELINEATED WETLAND SETBACK ----- PROPOSED DRAINAGE LINE SETBACK ----- PROPOSED TRANSMISSION LINE SETBACK —— PROPOSED GAS LINE SETBACK PROPOSED RESIDENT HOUSE SETBACK EXCLUSION AREA PROPOSED SOLAR ARRAY PROPOSED ACCESS ROAD PROPOSED SECURITY FENCE PROPOSED ELECTRICAL EQUIPMENT PROPOSED COLLECTION LINES PROPOSED FACILITIES

PROPOSED PANEL	SETBACK

NON-PARTICIPATING PROPERTY LINE	50 FT
RESIDENCES	200 FT
DELINEATED STREAMS	75 FT
COUNTY DRAINAGE FEATURES	75 FT
FROM ROAD ROW	
STATE ROADS	60 FT
COUNTY ROADS	50 FT
OTHER ROADS	30 FT
WETLANDS	50 FT
FEMA FLOODPLAIN	50 FT
NATURAL GAS LINES	30 FT
TRANSMISSION LINES	75 FT

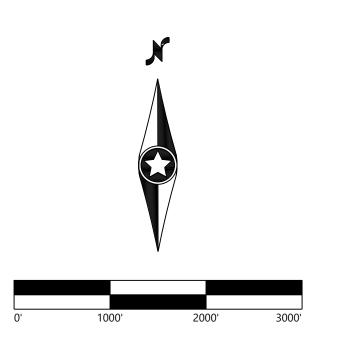


Westwood Professional Services, Inc.

# Invenergy

One South Wacker Drive, Suite 1800 Chicago, IL 60606

REVIS	IONS:	
#	DATE	COMMENT
Α	11/09/2020	Overall Site Layout
В	11/13/2020	Overall Site Layout
C	02/08/2021	Overall Site Layout
D	02/24/2021	Overall Site Layout
E	03/23/2021	Overall Site Layout
F	03/25/2021	Overall Site Layout
G	04/1/2021	Overall Site Layout
Н	04/22/2021	Overall Site Layout
	05/05/2021	Overall Site Layout
	·	



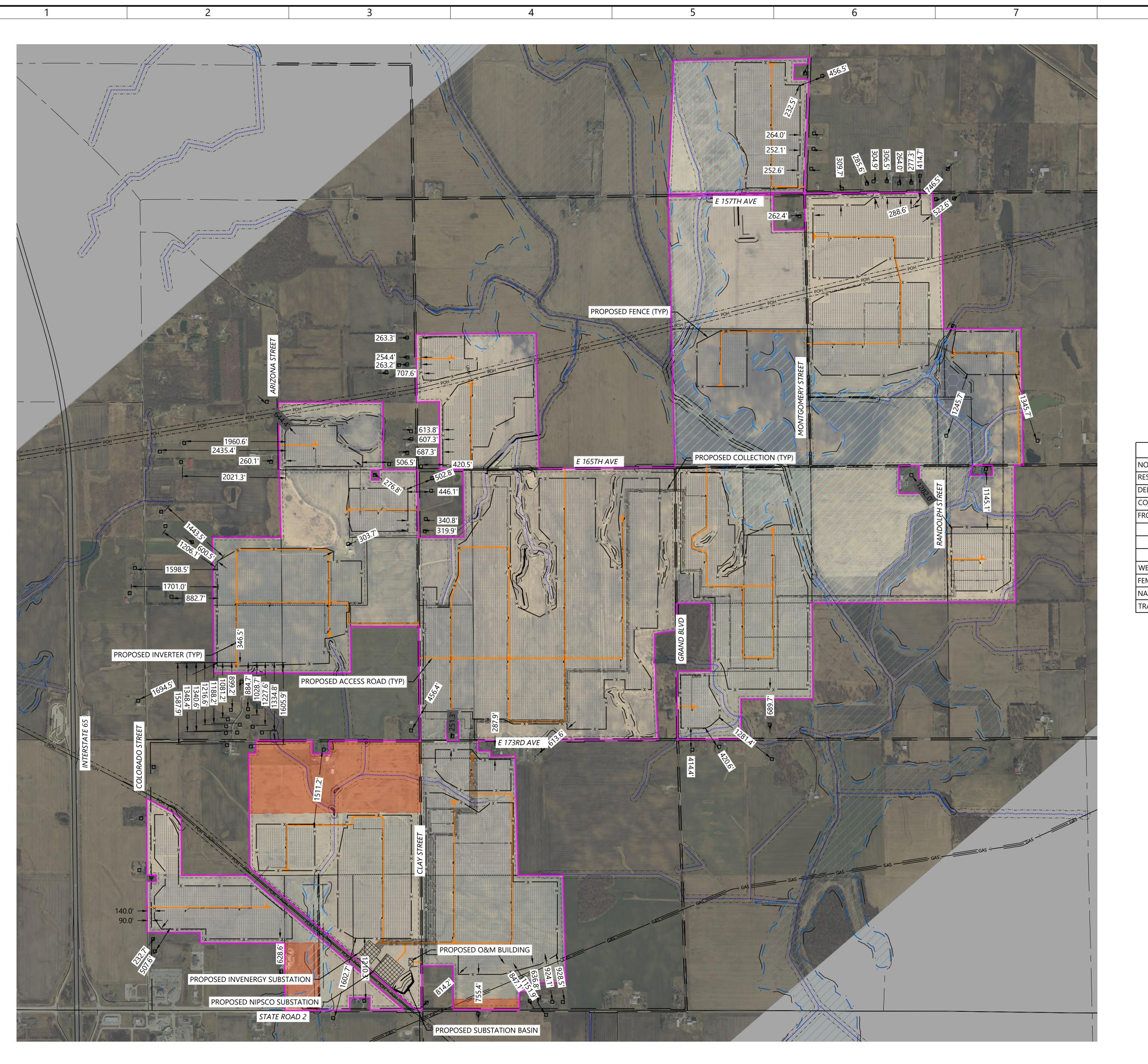
## **Foundry Works Solar Project**

Lake County, Indiana

Overall Site Layout

NOT FOR CONSTRUCTION

05/05/2021





LEGEND:	
POH — GAS	PROJECT BOUNDARY  PARCEL LINES  NON-PARTICIPATING PROPERTIES  EX. ROAD CENTERLINES  EX. RESIDENCE  EX. OVERHEAD POWER  EX. GAS PIPELINE  EX. COUNTY DRAINAGE LINE  EX. DELINEATED WATER LINE  EX. DELINEATED WETLAND
	FEMA FLOOD PLAIN PROPOSED PROPERTY SETBACK PROPOSED FEMA SETBACK PROPOSED DELINEATED WATER LINE SETBACK PROPOSED DELINEATED WETLAND SETBACK PROPOSED DRAINAGE LINE SETBACK PROPOSED TRANSMISSION LINE SETBACK PROPOSED GAS LINE SETBACK PROPOSED RESIDENT HOUSE SETBACK EXCLUSION AREA
x	PROPOSED SOLAR ARRAY PROPOSED ACCESS ROAD PROPOSED SECURITY FENCE PROPOSED ELECTRICAL EQUIPMENT

#### PROPOSED PANEL SETBACKS

PROPOSED COLLECTION LINES

PROPOSED FACILITIES

NON-PARTICIPATING PROPERTY LINE	50 FT
RESIDENCES	200 FT
DELINEATED STREAMS	75 FT
COUNTY DRAINAGE FEATURES	75 FT
FROM ROAD ROW	
STATE ROADS	60 FT
COUNTY ROADS	50 FT
OTHER ROADS	30 FT
WETLANDS	50 FT
FEMA FLOODPLAIN	50 FT
NATURAL GAS LINES	30 FT
TRANSMISSION LINES	75 FT



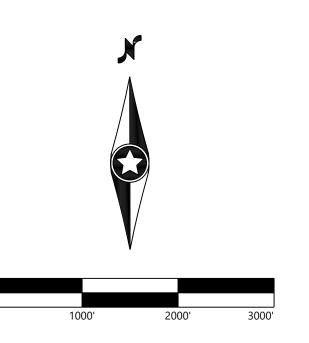
Westwood Professional Services, Inc.



# Invenergy

One South Wacker Drive, Suite 1800 Chicago, IL 60606

REV	ISIONS:		
#	DATE	COMMENT	
Α	11/09/2020	Overall Site Layout	
В	11/13/2020	Overall Site Layout	
C	02/08/2021	Overall Site Layout	
D	02/24/2021	Overall Site Layout	
E	03/23/2021	Overall Site Layout	
F	03/25/2021	Overall Site Layout	
G	04/1/2021	Overall Site Layout	
Н	04/22/2021	Overall Site Layout	
ı	05/05/2021	Overall Site Layout	

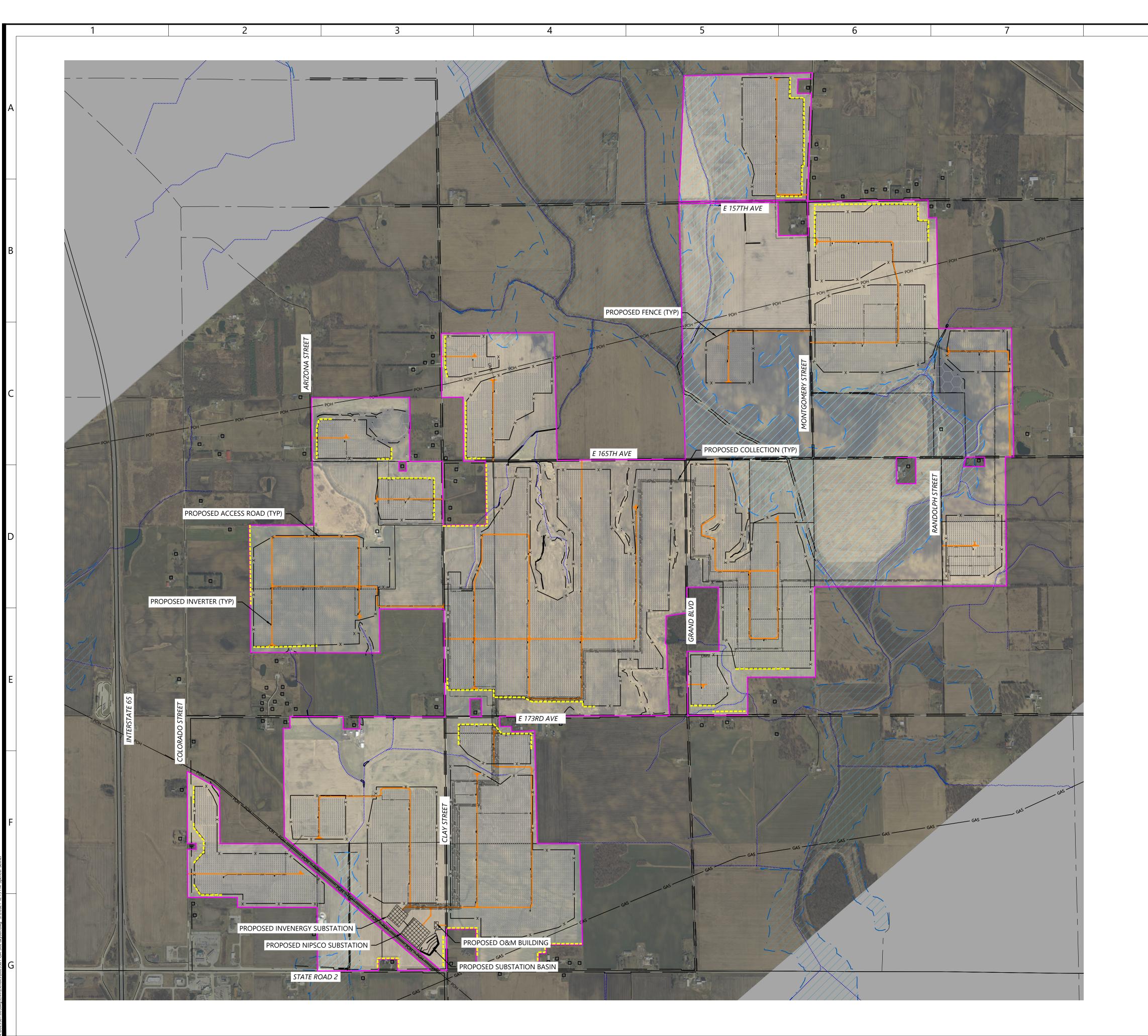


# Foundry Works Solar Project Lake County, Indiana

Residence Setback

NOT FOR CONSTRUCTION

05/05/2021





PROJECT BOUNDARY PARCEL LINES NON-PARTICIPATING PROPERTIES EX. ROAD CENTERLINES EX. RESIDENCE ——— POH ——— EX. OVERHEAD POWER — GAS — EX. GAS PIPELINE · EX. COUNTY DRAINAGE LINE EX. DELINEATED WATER LINE EX. DELINEATED WETLAND FEMA FLOOD PLAIN PROPOSED SOLAR ARRAY PROPOSED ACCESS ROAD PROPOSED SECURITY FENCE PROPOSED ELECTRICAL EQUIPMENT PROPOSED COLLECTION LINES PROPOSED FACILITIES

PROPOSED VEGETATION BUFFER

Phone (952) 937-5150 12701 Whitewater Drive, Suite #300 Minnetonka, MN 55343 westwoodps.com

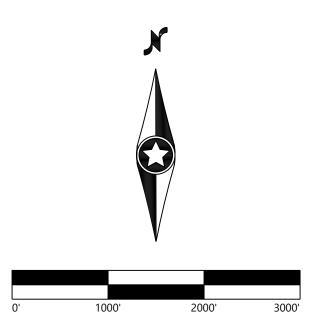
Westwood Professional Services, Inc.

PREPARED FOR:

# Invenergy

One South Wacker Drive, Suite 1800 Chicago, IL 60606

REV	ISIONS:	
#	DATE	COMMENT
A	11/09/2020	Overall Site Layout
В	11/13/2020	Overall Site Layout
C	02/08/2021	Overall Site Layout
D	02/24/2021	Overall Site Layout
E	03/23/2021	Overall Site Layout
F	03/25/2021	Overall Site Layout
G	04/1/2021	Overall Site Layout
Н	04/22/2021	Overall Site Layout
ı	05/05/2021	Overall Site Layout



## Foundry Works Solar Project

Lake County, Indiana

Overall Site Layout

NOT FOR CONSTRUCTION

05/05/2021

IEET:

#### Solar Ordinance

C. LANDSCAPE BUFFER THE SOLAR FARM OWNER OR OPERATOR SHALL INSTALL A LANDSCAPED BUFFER IN AREAS OF THE SOLAR FARM ADJACENT TO NON-PARTICIPATING

PROPERTIES TO THE EXTENT THAT THE REQUIRED LANDSCAPE BUFFER AREA REASONABLY EXTEND TO OBSTRUCT THE VIEW OF ANY RESIDENCE AND ASSOCIATED ACCESSORY STRUCTURES, SUCH AS SWIMMING POOLS, DETACHED GARAGES, BACKYARD COTTAGES, AND PARKING AREAS. THIS LANDSCAPE BUFFER REQUIREMENT IS TO BE DETERMINED BY THE BOARD IN CONJUNCTION WITH APPROVAL OF THE SPECIAL EXCEPTION. THE REQUIRED LANDSCAPED BUFFER MAY BE LOCATED WITHIN REQUIRED SETBACKS AND MUST COMPLY WITH THE FOLLOWING OR A SIMILAR ALTERNATIVE APPROVED AT THE TIME OD SPECIAL EXCEPTION APPROVAL

1. A LANDSCAPED AREA WITH AT LEAST ONE (1) SHRUB PER FIVE (5) LINEAR FEET, PLUS AT LEAST ONE (1) EVERGREEN TREE PER TWENTY FIVE (25) LINEAR FEET OF THE LANDSCAPED AREA. SHRUBS MUST BE AT LEAST THREE (3) FEET IN HEIGHT AT THE TIME OF PLANTING. EVERGREEN TREES MUST BE AT LEAST FIVE (5) FEET IN HEIGHT AT TIME OF PLANTING; OR

2. A LANDSCAPED AREA AT LEAST TEN (10) FEET IN WIDTH A SOLID WALL OR PRIVACY FENCE WITH A MINIMUM HEIGHT OF SEVEN (7) FEET. AT LEAST ONE (1) EVERGREEN TREE IS REQUIRED PER THIRTY (30) LINEAR FEET OF FENCE OR WALL.

LANDSCAPING, INCLUDING WEED AND GRASS CONTROL, SHALL BE MAINTAINED BY THE OWNER-OPERATOR. IN THE EVENT THAT EXISTING LANDSCAPING INTENDED TO PROVIDE SCREENING FROM NON PARTICIPATING PROPERTIES IS DISTURBED, REMOVED, PERISHES, OR CEASES TO SERVE ITS INTENDED PURPOSE, NEW PLANTINGS SHALL BE PROVIDED WHICH ACCOMPLISH THE ORIGINAL INTENDED BUFFER. SAID NEW PLANTINGS SHALL BE COMPLETED BY THE OWNER-OPERATOR IN A TIMELY, REASONABLE GOOD-FAITH MANNER DEPENDING ON THE AVAILABILITY AND TIME OF YEAR.

E. SOIL AND GROUNDCOVER

1. THE OWNER-OPERATOR WILL USE REASONABLE EFFORTS TO NOT REMOVE TOPSOIL FROM THE SITE DURING DEVELOPMENT. SOME GRADING OF THE SITE MAY BE REQUIRED AND WILL BE ADDRESSES BY THE SITE DEVELOPMENT PLAN SUBMITTED FOR PERMIT APPROVAL.

2. PERENNIAL VEGETATIVE GROUNDCOVER MUST BE MAINTAINED OR ESTABLISHED IN ALL AREAS CONTAINING SOLAR ARRAYS AND IN REQUIRED SETBACKS TO PREVENT EROSION AND MANAGE RUN-OFF.

REQUIREMENT MET WITH PROPOSED LANDSCAPE BUFFER **PLANTINGS** 

REQUIREMENT MET

LANDSCAPE BUFFER

WITH PROPOSED

PLANTINGS

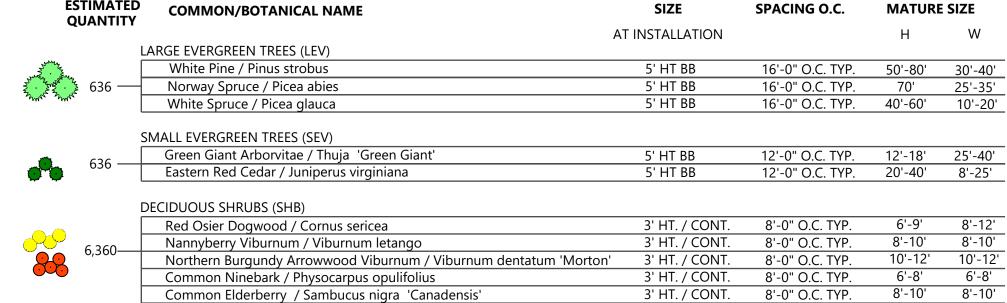
#### Vegetative Screening Selection & Intent

THE PROPOSED PLANS INCLUDE INSTALLING VEGETATIVE LANDSCAPE BUFFERS WHICH UTILIZE, TO THE EXTENT COMMERCIALLY PRACTICABLE, NATIVE TREES AND SHRUBS OR OTHER SPECIES THAT GROW WELL IN THIS CLIMATE AT STRATEGIC LOCATIONS ACROSS THE PROJECT SITE TO LIMIT DIRECT VIEWS OF THE ARRAY. ONE BENEFIT TO USING NATIVE PLANTS OR OTHER REGIONALLY APPROPRIATE SPECIES IS THAT THEY ARE ACCLIMATED TO THE PARTICULAR CLIMATE AND ENVIRONMENTAL CONDITIONS, THUS ALLOWING FOR A QUICKER ESTABLISHMENT AND INCREASED SURVIVAL RATES. THE PROPOSED VEGETATIVE LANDSCAPE BUFFERS ARE COMPOSED OF EVERGREEN TREES THAT CAN PROVIDE LUSH GREEN YEAR ROUND SCREENING AND DECIDUOUS SHRUBS THAT CAN HELP PROVIDE ADDITIONAL SCREENING AND BE VISUALLY APPEALING ACROSS MULTIPLE SEASONS. SOME OF THE CHARACTERISTICS THAT THESE NATIVE SHRUBS HAVE BEEN SELECTED FOR INCLUDE FOLIAGE AND STEM COLOR, FLOWERS AND FRUIT PRODUCTION. THE SHRUBS PROPOSED TO BE PLANTED IN SMALL MASSES SO THAT AT ANY ONE TIME IN THE YEAR ONE SPECIES MIGHT DISPLAY SOME OF THESE AESTHETIC CHARACTERISTICS. BEYOND THE AESTHETIC VALUE, THE PROPOSED PLANTS CAN PROVIDE ADDITIONAL WILDLIFE BENEFITS THAT INCLUDE A SOURCE FOR POLLINATORS, SHELTER, FORAGE AND WINTER HABITAT. AS THE PLANTS MATURE THEY WILL GROW CLOSER TOGETHER CREATING A TYPE OF NATURAL HEDGE.

#### Planting Notes

- 1. CONTRACTOR SHALL CONTACT INDIANA DIG SAFE SYSTEM (811) or (1-800-382-5544) TO VERIFY LOCATIONS OF
- 2. ACTUAL LOCATION OF PLANT MATERIAL IS SUBJECT TO FIELD AND SITE CONDITIONS.
- 3. NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- 4. ALL SUBSTITUTIONS MUST BE APPROVED BY THE OWNER PRIOR TO SUBMISSION OF ANY BID AND/OR QUOTE BY THE LANDSCAPE CONTRACTOR.
- CONTRACTOR SHALL PROVIDE ONE YEAR GUARANTEE OF ALL PLANT MATERIALS. THE GUARANTEE BEGINS ON THE DATE OF THE OWNER'S WRITTEN ACCEPTANCE OF THE INITIAL PLANTING. REPLACEMENT PLANT MATERIAL SHALL HAVE A ONE YEAR GUARANTEE COMMENCING UPON PLANTING.
- ALL PLANTS TO BE SPECIMEN GRADE, INDIANA-GROWN AND/OR HARDY. SPECIMEN GRADE SHALL ADHERE TO, BUT IS NOT LIMITED BY, THE FOLLOWING STANDARDS:
- ALL PLANTS SHALL BE FREE FROM DISEASE, PESTS, WOUNDS, SCARS, ETC.
- ALL PLANTS SHALL BE FREE FROM NOTICEABLE GAPS, HOLES, OR DEFORMITIES.
- ALL PLANTS SHALL BE FREE FROM BROKEN OR DEAD BRANCHES.
- ALL PLANTS SHALL HAVE HEAVY, HEALTHY BRANCHING AND LEAFING. CONIFEROUS TREES SHALL HAVE AN ESTABLISHED MAIN LEADER AND A HEIGHT TO WIDTH RATIO OF NO LESS
- 7. PLANTS TO MEET AMERICAN STANDARD FOR NURSERY STOCK (ANSI Z60.1-2004 OR MOST CURRENT VERSION) REQUIREMENTS FOR SIZE AND TYPE SPECIFIED.
- 8. PLANTS TO BE INSTALLED AS PER MNLA & ANSI STANDARD PLANTING PRACTICES.
- 9. PLANTS SHALL BE IMMEDIATELY PLANTED UPON ARRIVAL AT SITE. PROPERLY HEEL-IN MATERIALS IF NECESSARY; TEMPORARY ONLY.
- 10. PRIOR TO PLANTING, FIELD VERIFY THAT THE ROOT COLLAR/ROOT FLAIR IS LOCATED AT THE TOP OF THE BALLED & BURLAP TREE. IF THIS IS NOT THE CASE, SOIL SHALL BE REMOVED DOWN TO THE ROOT COLLAR/ROOT FLAIR. WHEN THE BALLED & BURLAP TREE IS PLANTED, THE ROOT COLLAR/ROOT FLAIR SHALL BE EVEN OR SLIGHTLY ABOVE FINISHED GRADE.
- 11. REMOVE POT ON POTTED PLANTS; SPLIT AND BREAK APART PEAT POTS.
- 12. PRUNE PLANTS AS NECESSARY PER STANDARD NURSERY PRACTICE AND TO CORRECT POOR BRANCHING OF EXISTING AND PROPOSED TREES.
- 13. THE NEED FOR SOIL AMENDMENTS SHALL BE DETERMINED UPON SITE SOIL CONDITIONS PRIOR TO PLANTING. LANDSCAPE CONTRACTOR SHALL NOTIFY OWNER FOR THE NEED OF ANY SOIL AMENDMENTS.
- 14. BACKFILL SOIL AND TOPSOIL TO BE EXISTING TOP SOIL FROM SITE FREE OF ROOTS, ROCKS LARGER THAN ONE INCH, SUBSOIL DEBRIS, AND LARGE WEEDS UNLESS SPECIFIED OTHERWISE. MINIMUM 12" DEPTH TOPSOIL FOR TREE, SHRUBS, AND PERENNIALS.
- 15. PROVIDE MULCH FOR ALL TREE AND SHRUB PLANTINGS PER DETAIL. MULCH TO BE SHREDDED HARDWOOD AND FREE OF DELETERIOUS MATERIAL. MULCH 3' DIAMETER RING AROUND ALL TREES AND SHRUBS TO A DEPTH OF 4".
- 16. CONTRACTOR SHALL PROVIDE NECESSARY WATERING OF PLANT MATERIALS UNTIL THE PLANT IS FULLY ESTABLISHED OR IRRIGATION SYSTEM IS OPERATIONAL. OWNER WILL NOT PROVIDE WATER FOR CONTRACTOR.
- 17. REPAIR, REPLACE, OR PROVIDE SOD/SEED AS REQUIRED FOR ANY ROADWAY BOULEVARD AREAS ADJACENT TO THE SITE DISTURBED DURING CONSTRUCTION.
- 18. REPAIR ALL DAMAGE TO PROPERTY FROM PLANTING OPERATIONS AT NO COST TO OWNER.

#### **Vegetative Screening Plant Schedule**



1. ALL QUANTITIES ARE PRELIMINARY ESTIMATES.

2. B.B. SPECIFIES ROOT TYPE AS BALLED AND BURLAPPED. 3. H.T. SPECIFIES MINIMUM SPECIMEN HEIGHT UPON INSTALLATION.

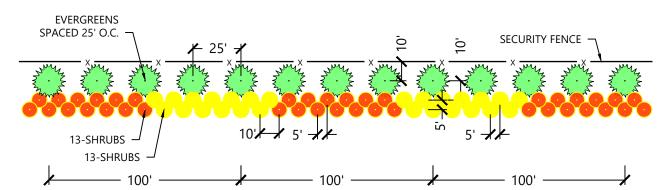
4. O.C. SPECIFIES ON-CENTER AND IS THE DISTANCE FROM THE CENTER OF ONE PLANT TRUNK OR STEM TO THE NEXT 5. SHRUBS MUST BE HEIGHT OF 3 FEET AT TIME OF PLANTING. #5 CONTAINER IS PREFERRED BUT IN ORDER TO REACH HEIGHT REQUIREMENT #7 CONTAINER MAY BE NEEDED TO SOURCE ALL MATERIAL.

A VARIETY OF SPECIES HAVE BEEN LISTED FOR SELECTION AND SHOULD BE USED TO INCREASE DIVERSITY ACROSS THE SITE. SHOULD THERE BE ISSUES IN FINDING ENOUGH PLANTS OF THE VARIOUS SPECIES CONTACT LANDSCAPE ARCHITECT FOR APPROVAL OF SUBSTITUE SPECIES.

SMALL EVERGREEN SPECIES SHOULD BE USED ON SOUTH, EAST, AND WEST SIDES OF THE ARRAY WHERE BUFFERING IS LOCATED WHERE USING LARGE EVERGREEN SPECIES MAY CAUSE SUBSTANTIAL SHADING.

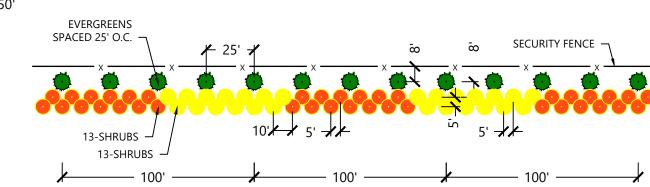
#### **Buffer Option 1: Residential Buffer**





#### **Buffer Option 2: Residential Buffer**

#### SCALE: 1" = 50'



(952) 937-5822 Minnetonka, MN 55343

(888) 937-5150 westwoodps.com

Westwood Professional Services, Inc.

One South Wacker Drive, Suite 1800 Chicago, IL 60606

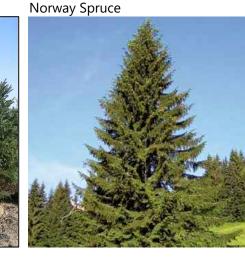
#### # DATE COMMENT A 11/09/2020 Issued For Review 11/13/2020 Issued For Review 02/24/2021 Issued For Review

04/1/2021 Issued For Review

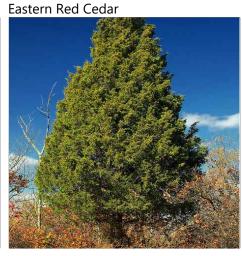
#### **Vegetative Screening Plant Materials**



Red Osier Dogwood (Winter)









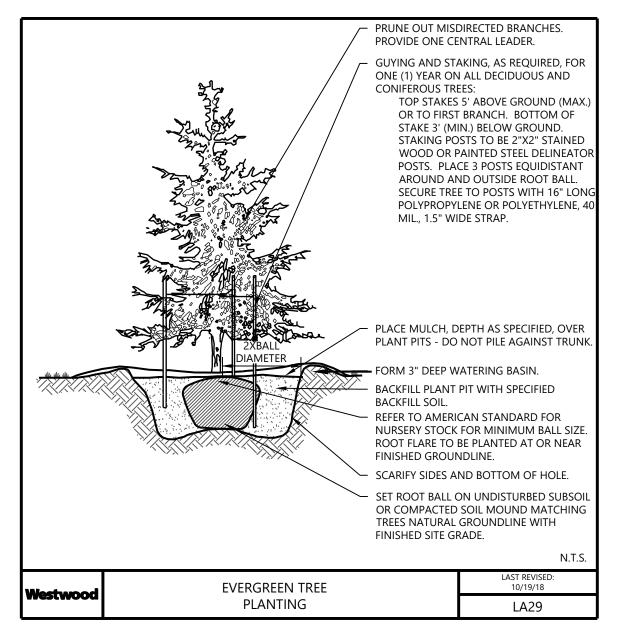
Green Giant Arborvitae

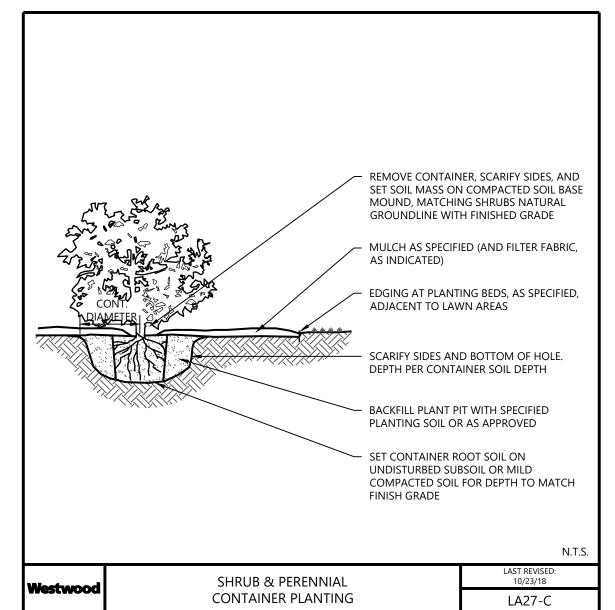






#### **Planting Details**





# Foundry Works Solar Project

Lake County, Indiana

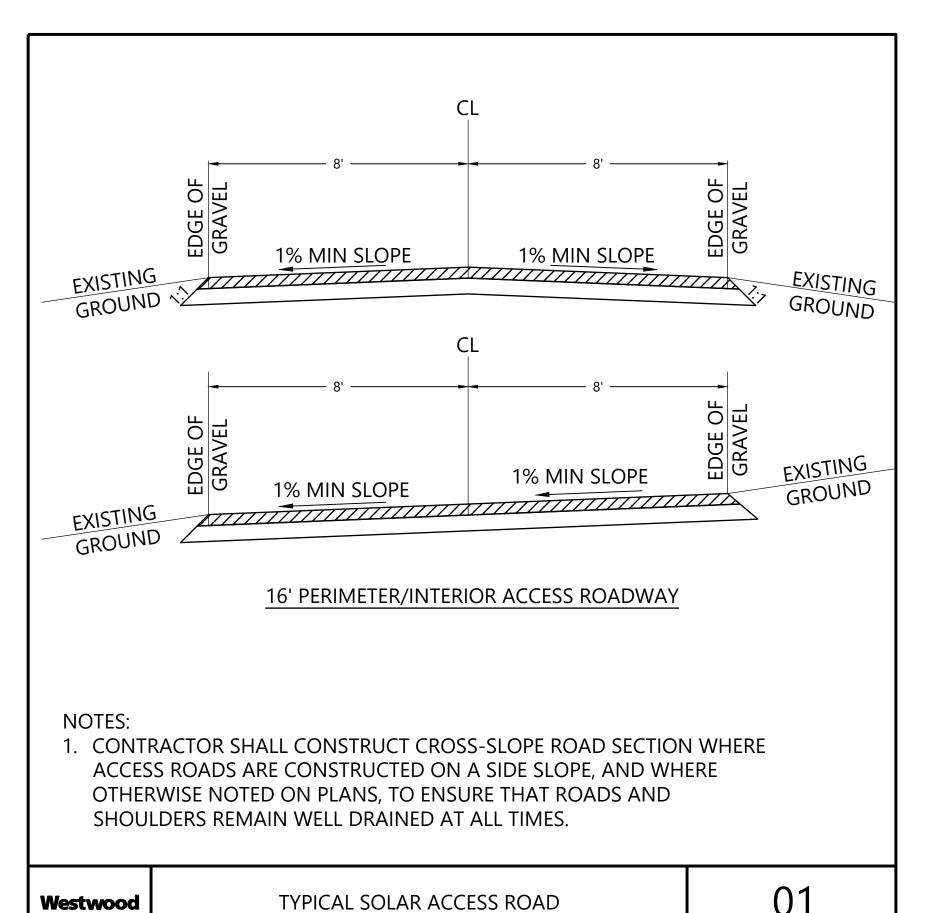
Plant Schedule

NOT FOR CONSTRUCTION

DATE:

04/1/2021

SHEET



**NOTES:** 

REQUIREMENTS.

OTHERWISE NOTED.

Westwood

ADDITIONAL INFORMATION.

CHANNEL SIDE SLOPES MAY REQUIRE MODIFICATION TO CONSTRUCT THE ACCESS ROAD THROUGH THE

CHANNEL TO MEET TURBINE COMPONENT DELIVERY

THAT THE FINISHED ACCESS ROAD SURFACE ALLOWS

UNIMPEDED AND WITHOUT PONDING UPSTREAM OF

2. THE ACCESS ROAD SHALL CROSS THE CHANNEL AS

3. ENSURE APPROPRIATE SUBGRADE ELEVATION SO

WATER TO FLOW THROUGH THE CHANNEL

4. ARMORED SURFACE TREATMENT OF THE ROAD

SURFACE SHALL EXTEND THROUGH THE CHANNEL

5. PERIMETER SEDIMENT CONTROL MAY CONSIST OF

DETAIL FOR INSTALLATION REQUIREMENTS.

6. REFER TO DRAINAGE CROSSING SCHEDULE FOR

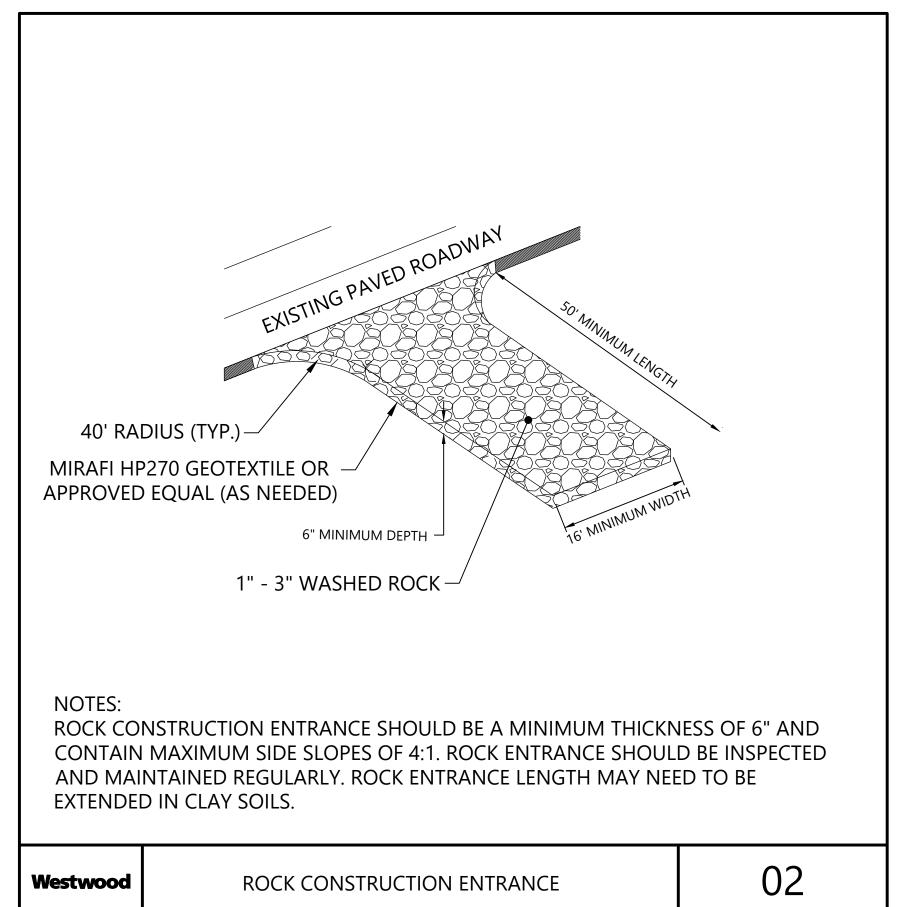
SILT FENCE, FIBERLOGS (BIOROLLS), WOOD MULCH

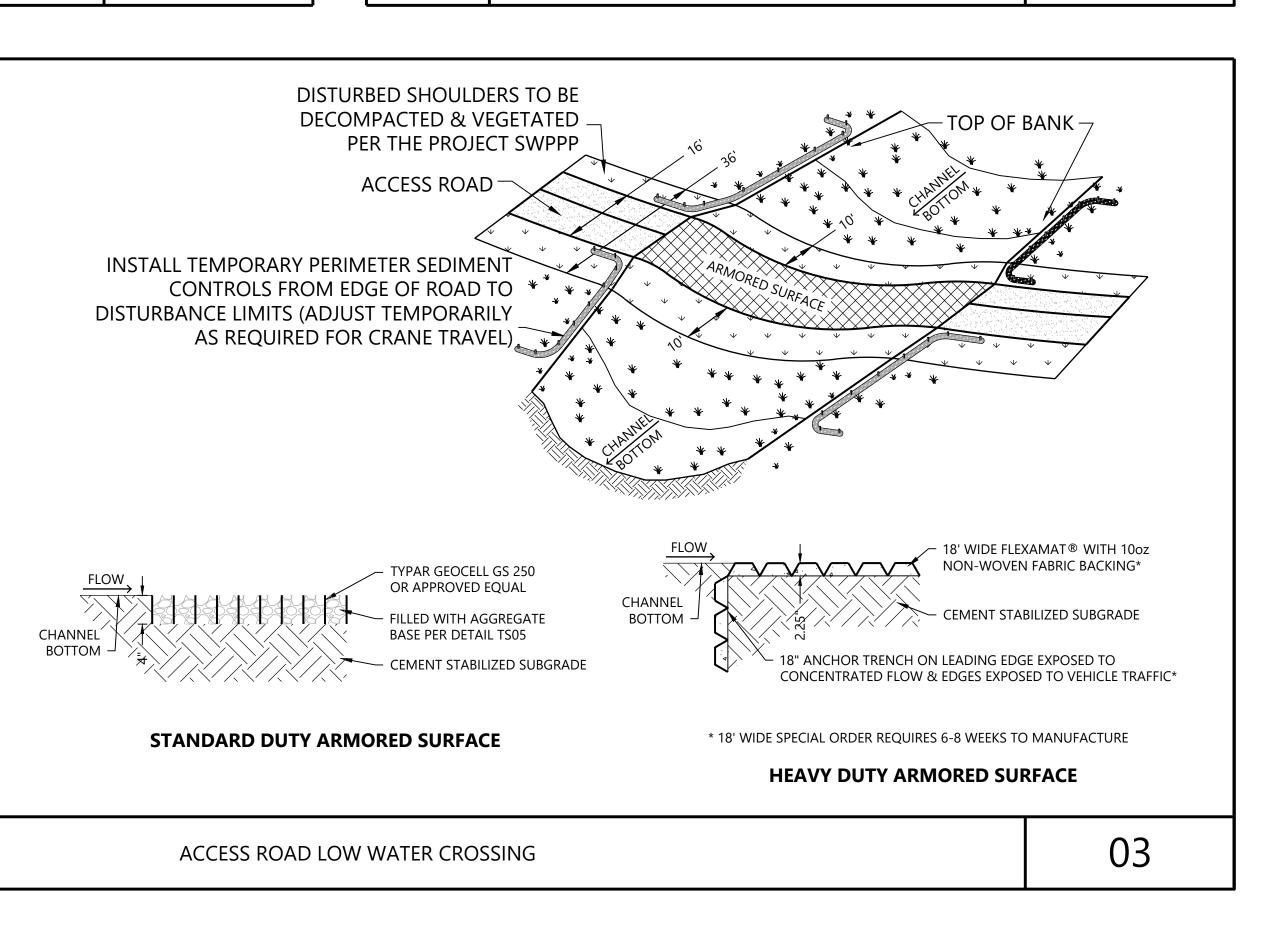
BERMS, OR TOPSOIL BERMS. REFER TO APPROPRIATE

BOTTOM AND UP THE CHANNEL SIDE SLOPES TO THE OBSERVED TOP OF BANK OF THE CHANNEL, UNLESS

CLOSE TO 90-DEGREES AS POSSIBLE.

ROAD OR ON THE ROAD SURFACE.





Westwood Professional Services, Inc.

## Invenergy

One South Wacker Drive, Suite 1800 Chicago, IL 60606

KEV	ISIONS:	
#	DATE	COMMENT
A	11/09/2020	Overall Site Layout
В	11/13/2020	Overall Site Layout
C	02/08/2021	Overall Site Layout
D	02/24/2021	Overall Site Layout
E	03/23/2021	Overall Site Layout
F	03/25/2021	Overall Site Layout
G	04/1/2021	Overall Site Layout
Н	04/22/2021	Overall Site Layout
	05/05/2021	Overall Site Layout

## **Foundry Works** Solar Project

Lake County, Indiana

Details

#### NOT FOR CONSTRUCTION

DATE:

05/05/2021

SHEET: