

Hardy Hills Solar Project

Clinton County, Indiana

Drainage Plan

PREPARED FOR:

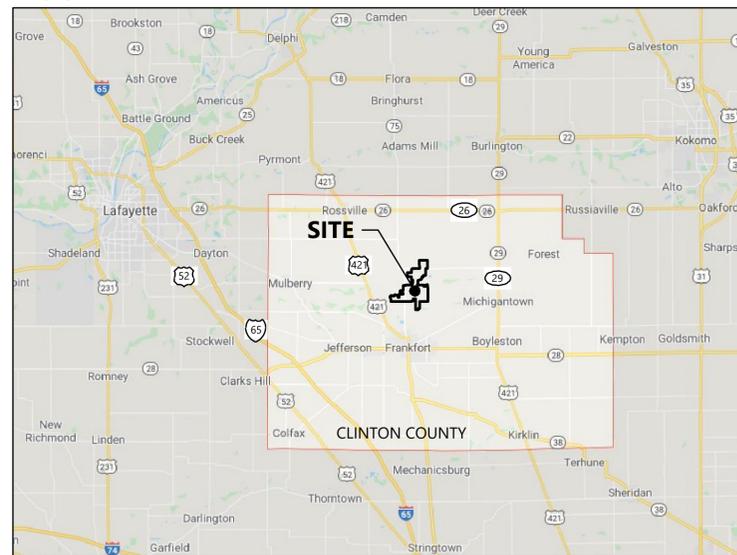
Invenenergy

One South Wacker Drive Suite 1900
Chicago, IL 60606

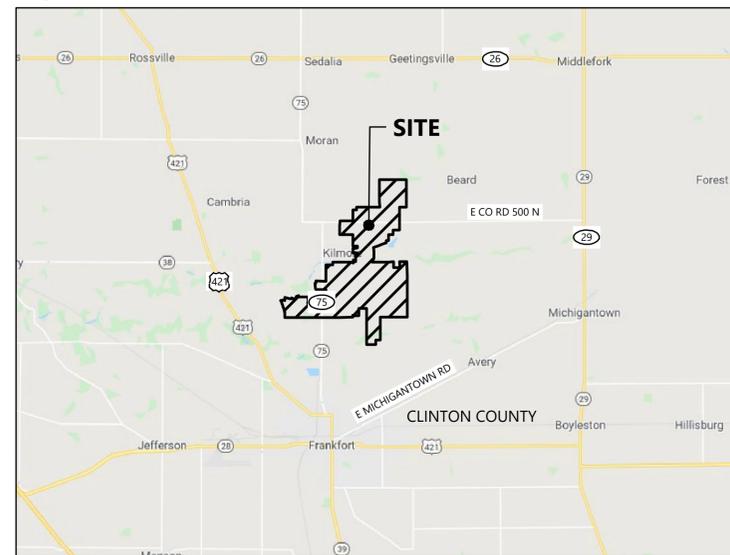
REVISIONS:

#	DATE	COMMENT
A	01/17/2020	CONCEPTUAL PV LAYOUT
F	02/14/2020	DRAINAGE PLAN
G	02/25/2020	DRAINAGE PLAN
H	03/02/2020	DRAINAGE PLAN
I	03/13/2020	DRAINAGE PLAN

REGIONAL MAP



VICINITY MAP



CONTACT INFORMATION				
TITLE	COMPANY	NAME	ADDRESS	PHONE
OWNER	INVENERGY	KATYA SAMOTESKUL	ONE SOUTH WACKER DRIVE, SUITE 1900 CHICAGO, IL 60606	312-582-1729
PROJECT MANAGER	WESTWOOD PROFESSIONAL SERVICES	KATIE PENNING	1800 DEMING WAY, SUITE 102 MIDDLETON, WI 53562	608-662-5302

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Hardy Hills Solar Project

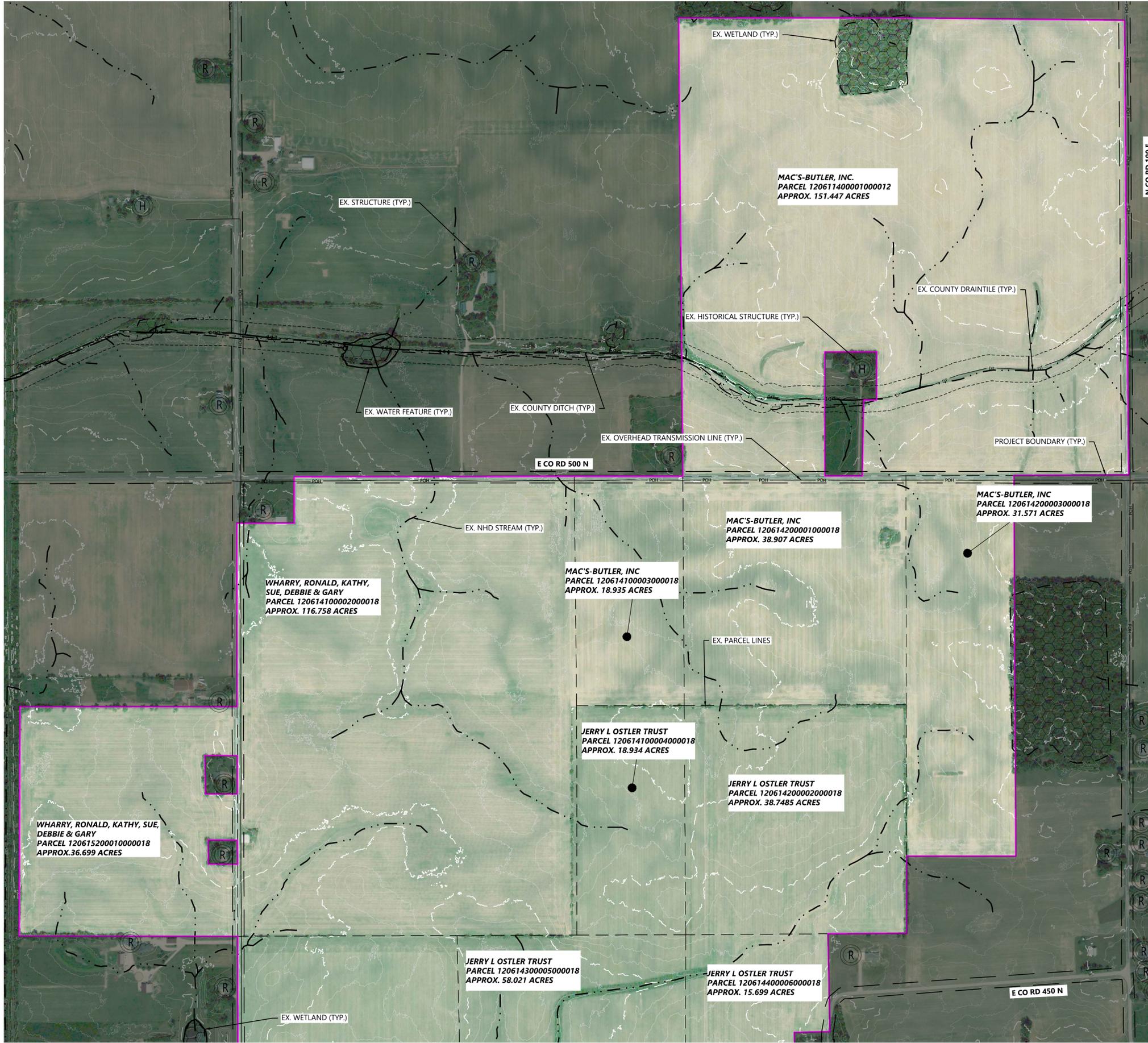
Clinton County, Indiana

Cover

PRELIMINARY
NOT FOR CONSTRUCTION

DATE: 03/13/2020

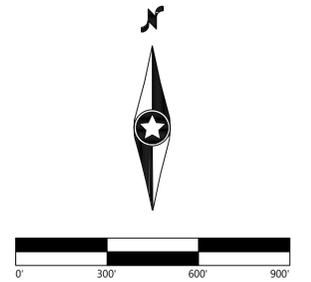
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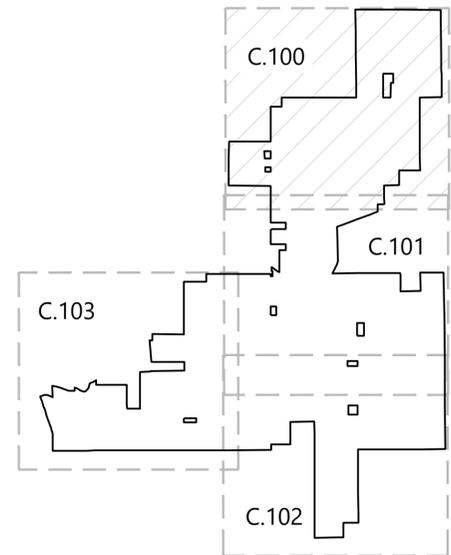
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- UNLEASED LAND
 - LEASE BOUNDARY LINE
 - PROPOSED RIGHT OF WAY
 - PARCEL LINES
 - EASEMENT LINES
 - EX. 10' INDEX CONTOUR
 - EX. 2' INTERVAL CONTOUR
 - EX. TREETLINE
 - EX. OVERHEAD TRANSMISSION LINE
 - EX. ROAD
 - EX. WATER FEATURE
 - EX. WETLAND
 - EX. COUNTY DRAIN TILE
 - EX. COUNTY DITCH
 - EX. NHD STREAM
 - FEMA FLOOD ZONE
 - EX. CEMETERY
 - EX. HISTORIC STRUCTURE
 - EX. STRUCTURE

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KEY MAP:



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 Clinton County, Indiana

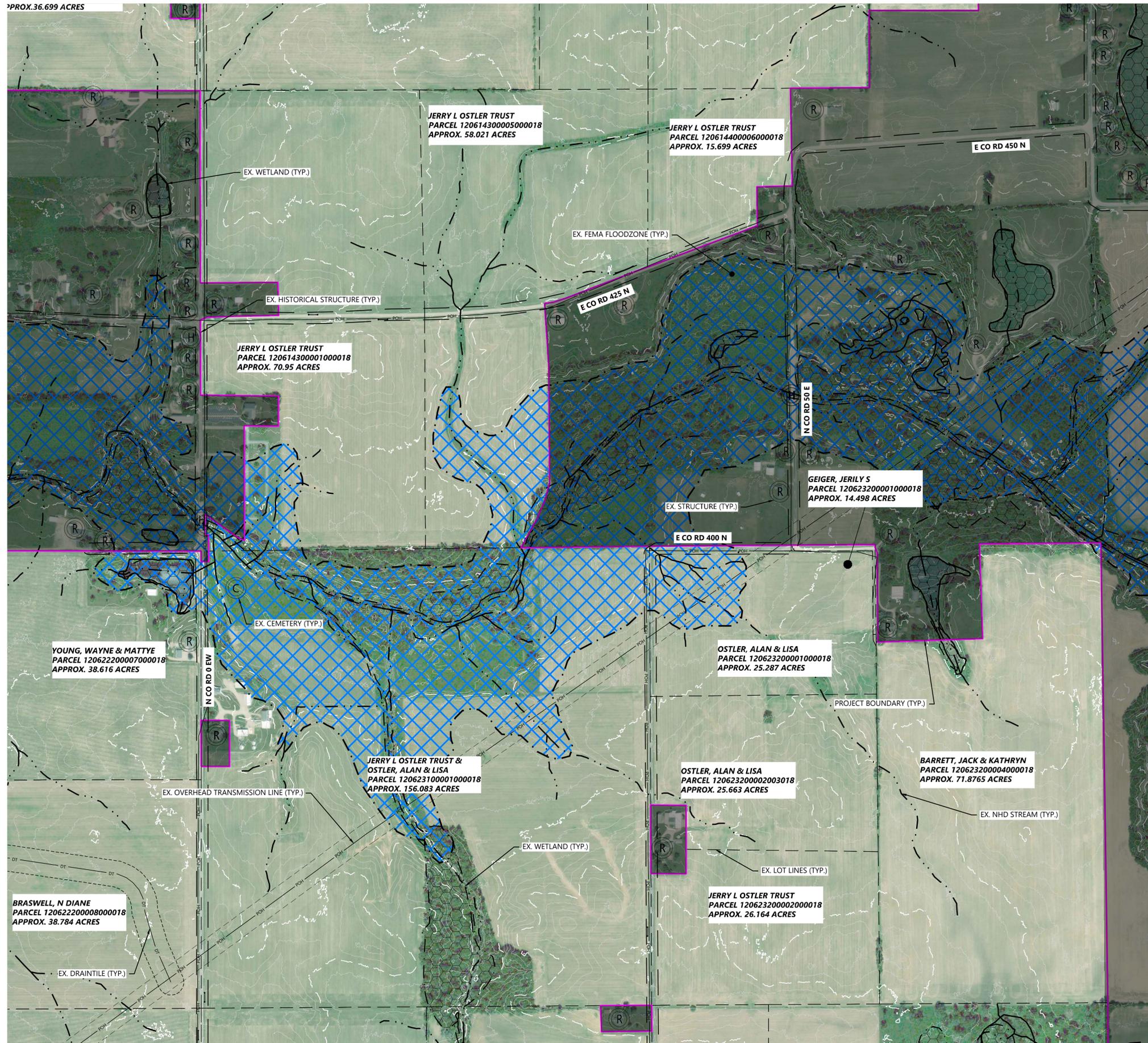
Existing Conditions

PRELIMINARY
 NOT FOR CONSTRUCTION

DATE: 03/13/2020
 SHEET: C.100

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PROX. 36.699 ACRES



LEGEND:

- UNLEASED LAND
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PREPARED FOR:

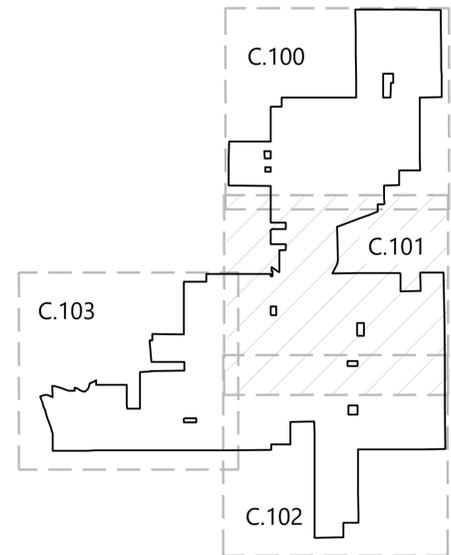
One South Wacker Drive Suite 1900
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Clinton County, Indiana

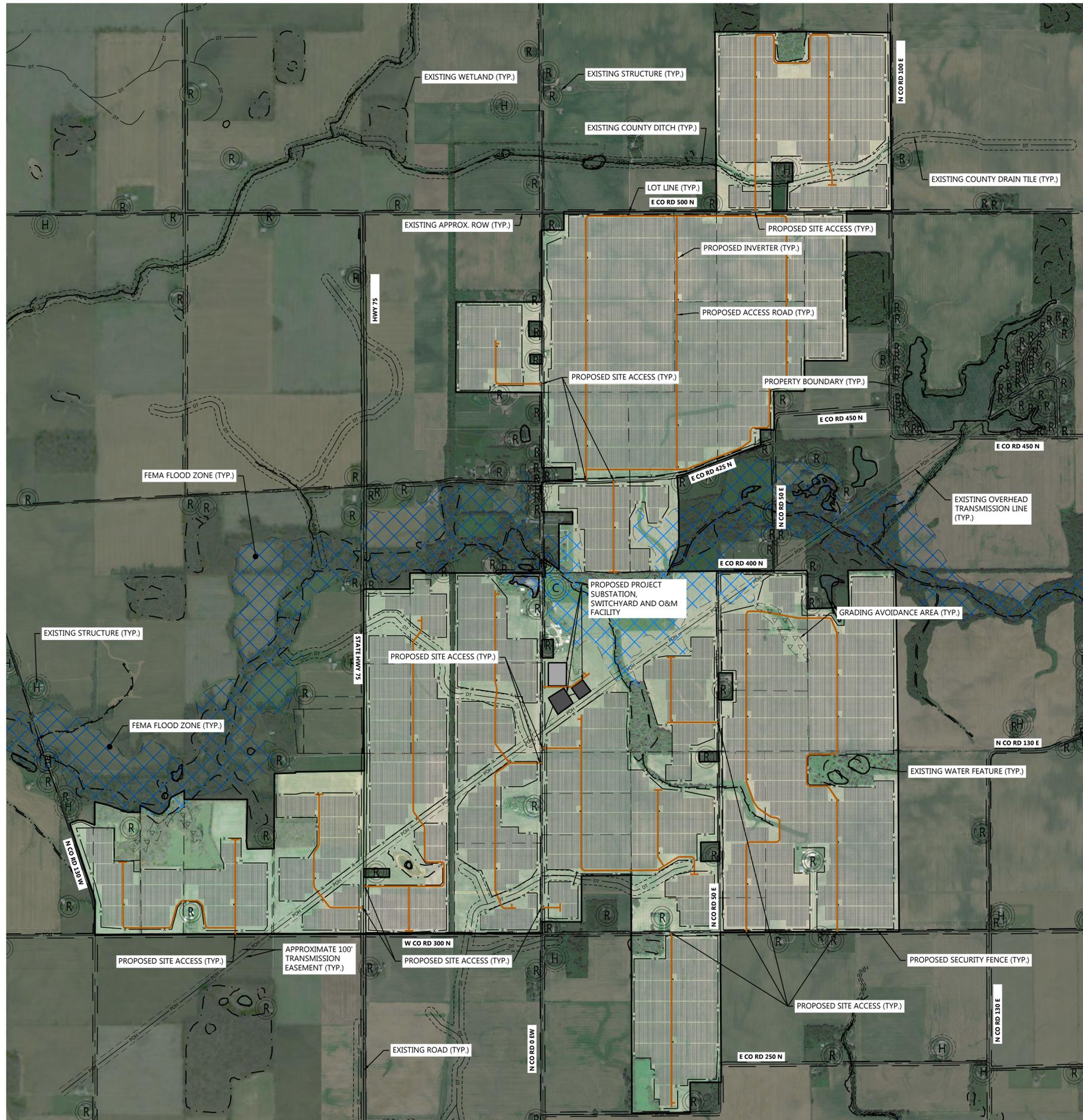
Existing Conditions

PRELIMINARY
 NOT FOR CONSTRUCTION

DATE: 03/13/2020

SHEET: C.101

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LEGEND:

- UNLEASED LAND
- LOT LINES
- EX. RIGHT OF WAY
- EX. APPROX. EASEMENT LINES
- EX. APPROX. OVERHEAD POWER
- EX. ROAD
- EX. WATER FEATURE
- EX. COUNTY DRAINAGE DITCH
- EX. COUNTY DRAIN TILE
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- FEMA FLOOD ZONE
- EX. CEMETERY
- EX. HISTORIC STRUCTURE
- EX. STRUCTURE
- PROPOSED SOLAR ARRAY
- PROPOSED ACCESS ROAD
- PROPOSED SECURITY FENCE
- PROPOSED ELECTRICAL EQUIPMENT
- PROPOSED SUBSTATION/SWITCHYARD
- PROPOSED FEATURE

LAND USE	
LEASED LAND	1790 AC
FENCED AREA	1261 AC

SETBACK TABLE	
NON-PARTICIPATING PROPERTY LINE	50 FT
TYPICAL ROAD RIGHT OF WAY*	50 FT (83' FROM ROAD CENTERLINE)
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CEMETERY	200 FT
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TRANSMISSION LINE****	60 FT

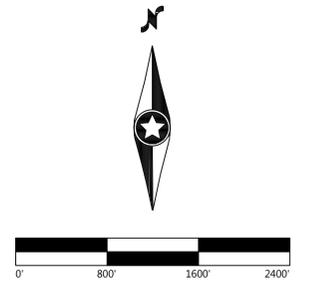
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Hardy Hills Solar Project
 Clinton County, Indiana

Overall Site Plan

PRELIMINARY
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SHEET: C.200

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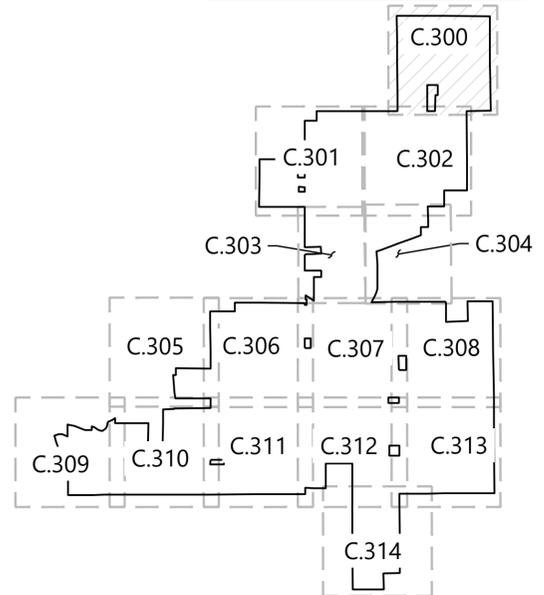
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- PROPOSED MEDIUM VOLTAGE COLLECTION
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NOTE:
 PROPOSED ACCESS ROAD DRAINAGE CROSSINGS (CULVERT AND LOW WATER CROSSINGS) TO BE SIZED DURING FINAL CONSTRUCTION DESIGN PHASE.

KEY MAP:



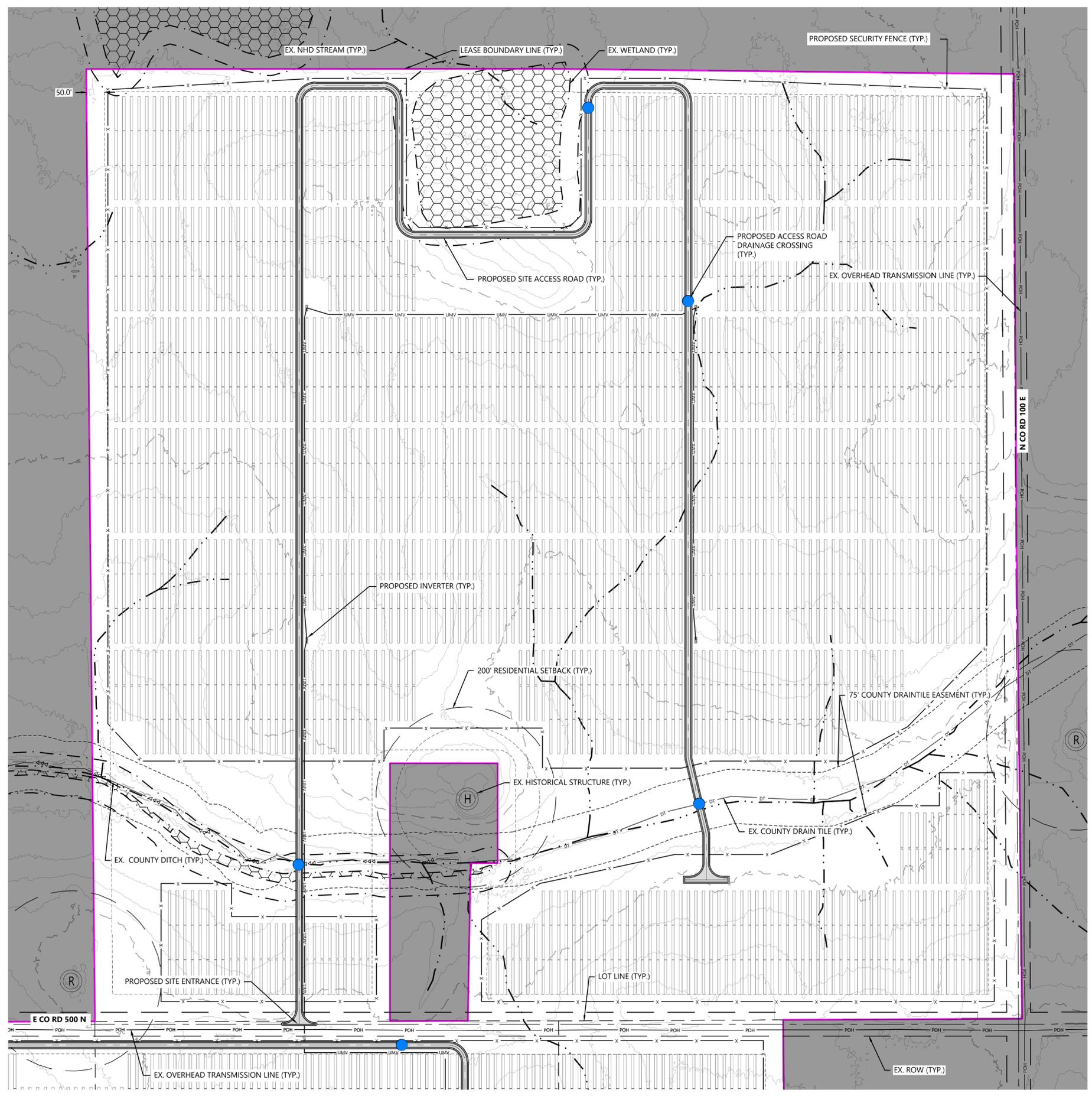
Hardy Hills Solar Project
 Clinton County, Indiana

Site Plan

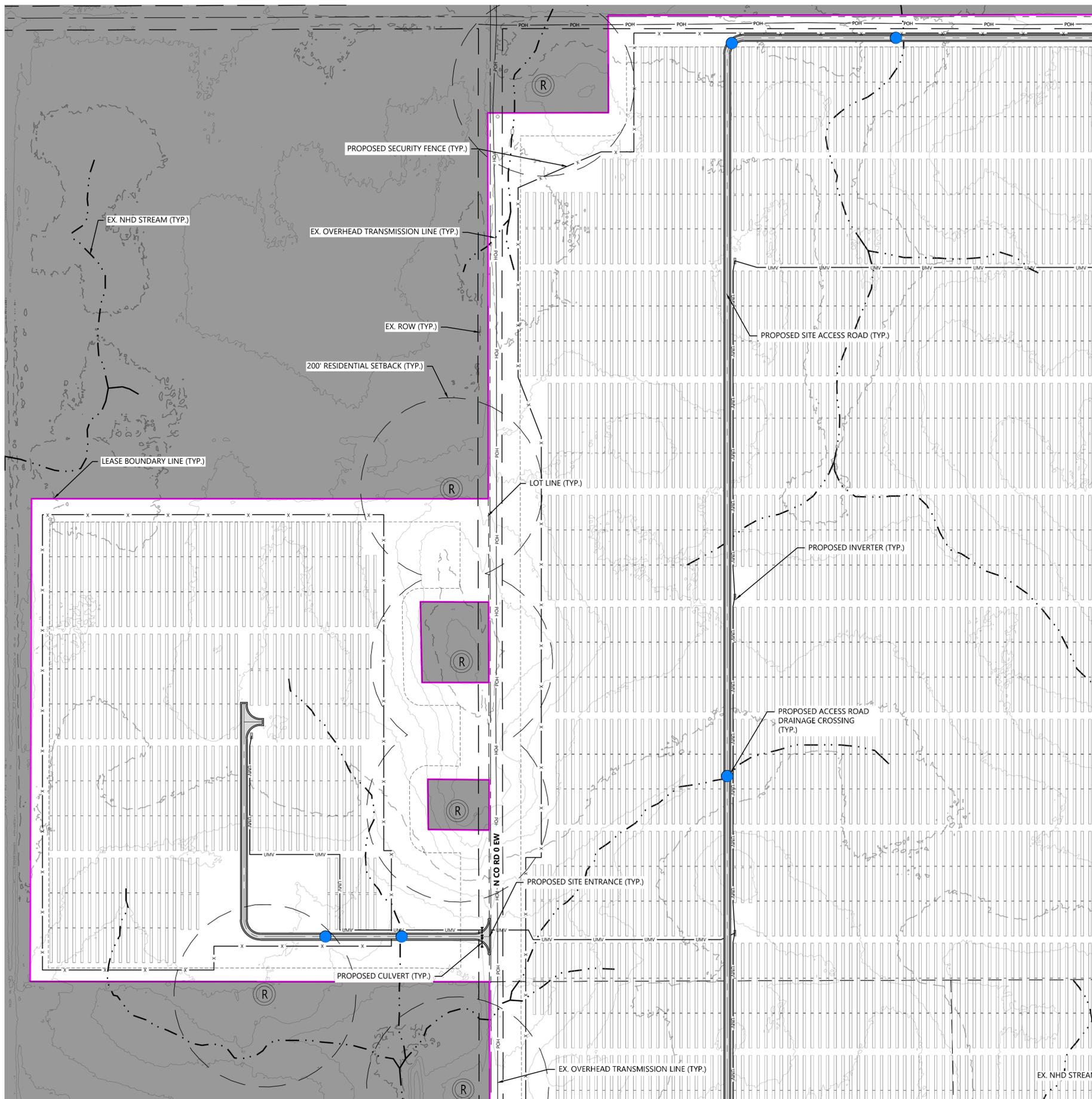
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 NOT FOR CONSTRUCTION

DATE: 03/13/2020

SHEET: C.300



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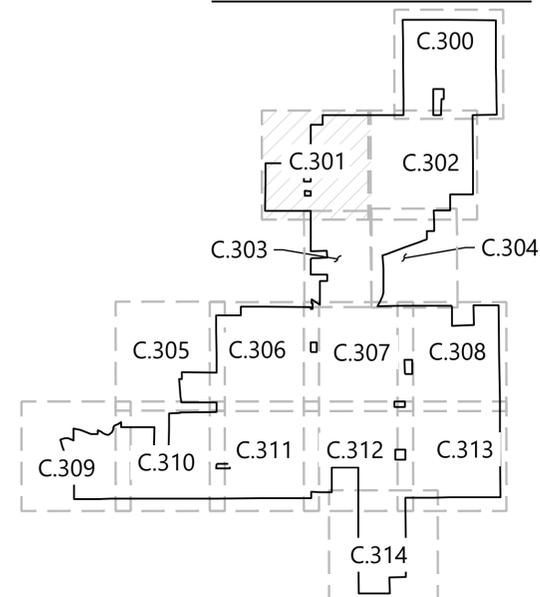
- UNLEASED PROPERTY AREA
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 Chicago, IL 60606

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Hardy Hills Solar Project
 Clinton County, Indiana

Site Plan

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SHEET: C.301

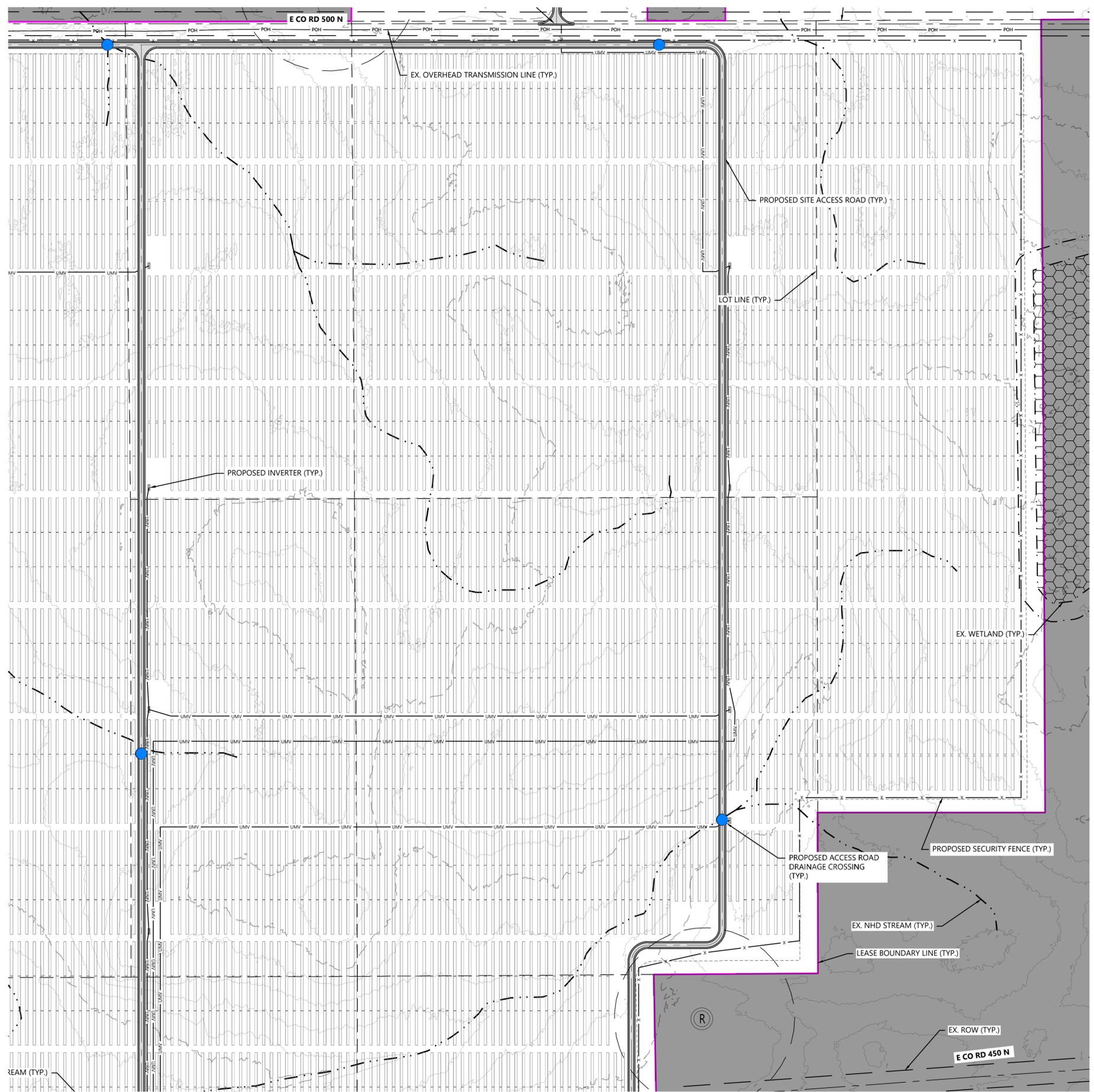
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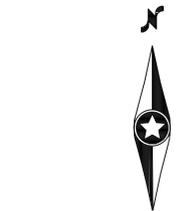
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- LEASE BOUNDARY LINE
- LOT LINES
- EX. RIGHT OF WAY
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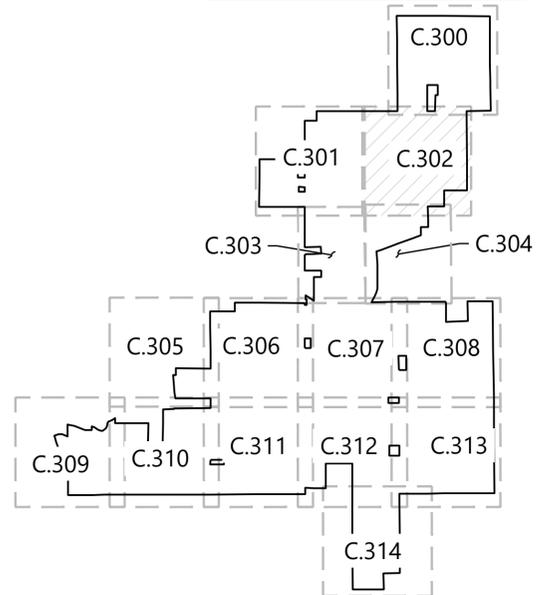
PROPERTY LINE / FEATURE	SETBACK (FT)
NON-PARTICIPATING PROPERTY LINE	50 FT
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KEY MAP:



Hardy Hills Solar Project
 Clinton County, Indiana

Site Plan

PRELIMINARY
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SHEET: C.302

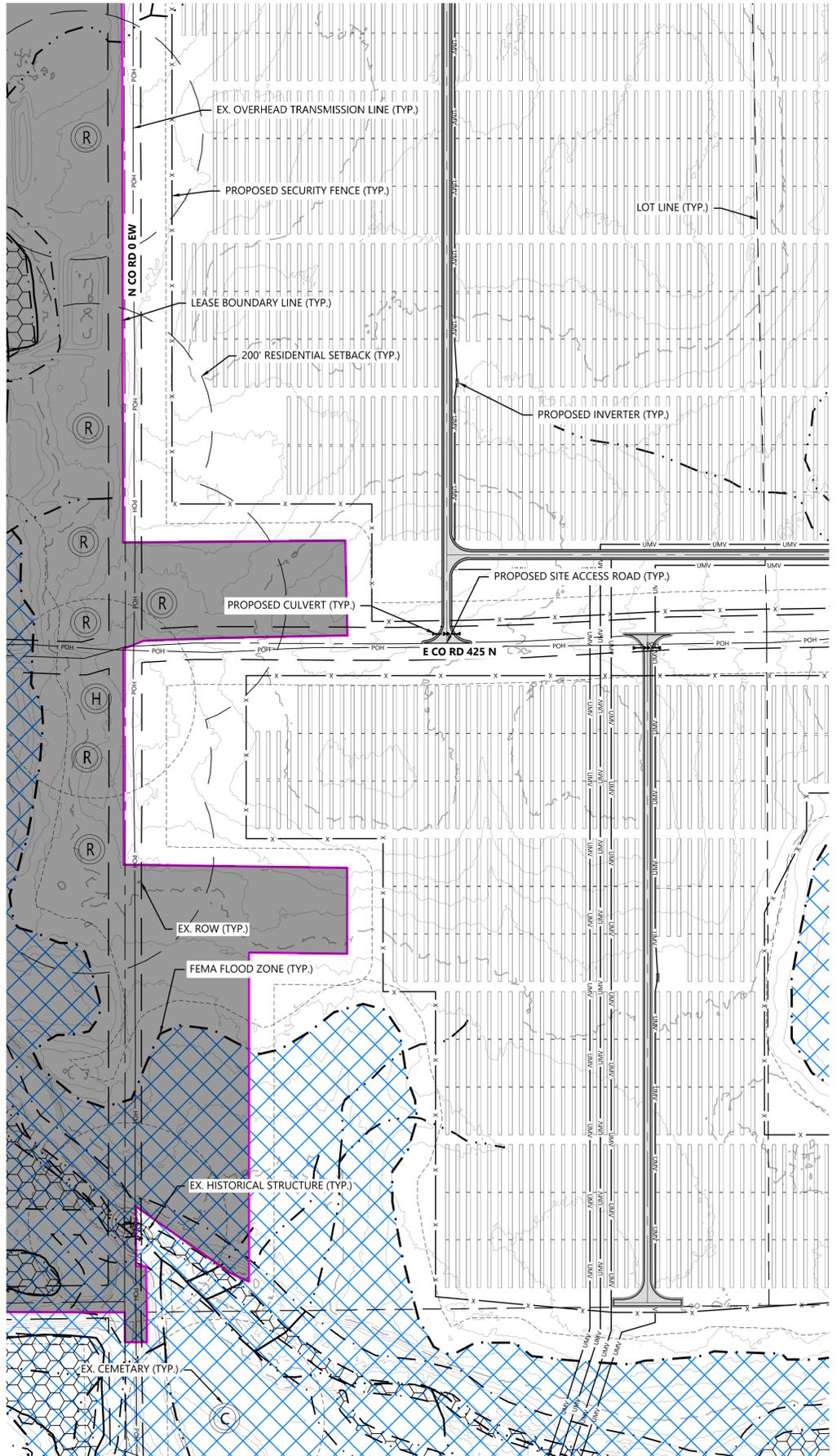
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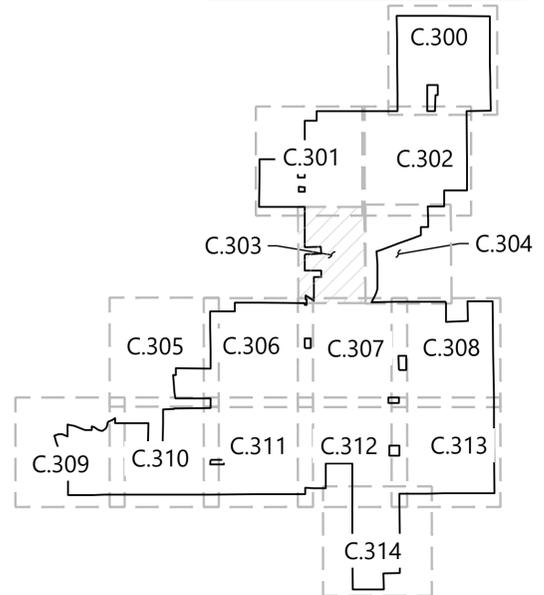
Feature	Setback
NON-PARTICIPATING PROPERTY LINE	50 FT
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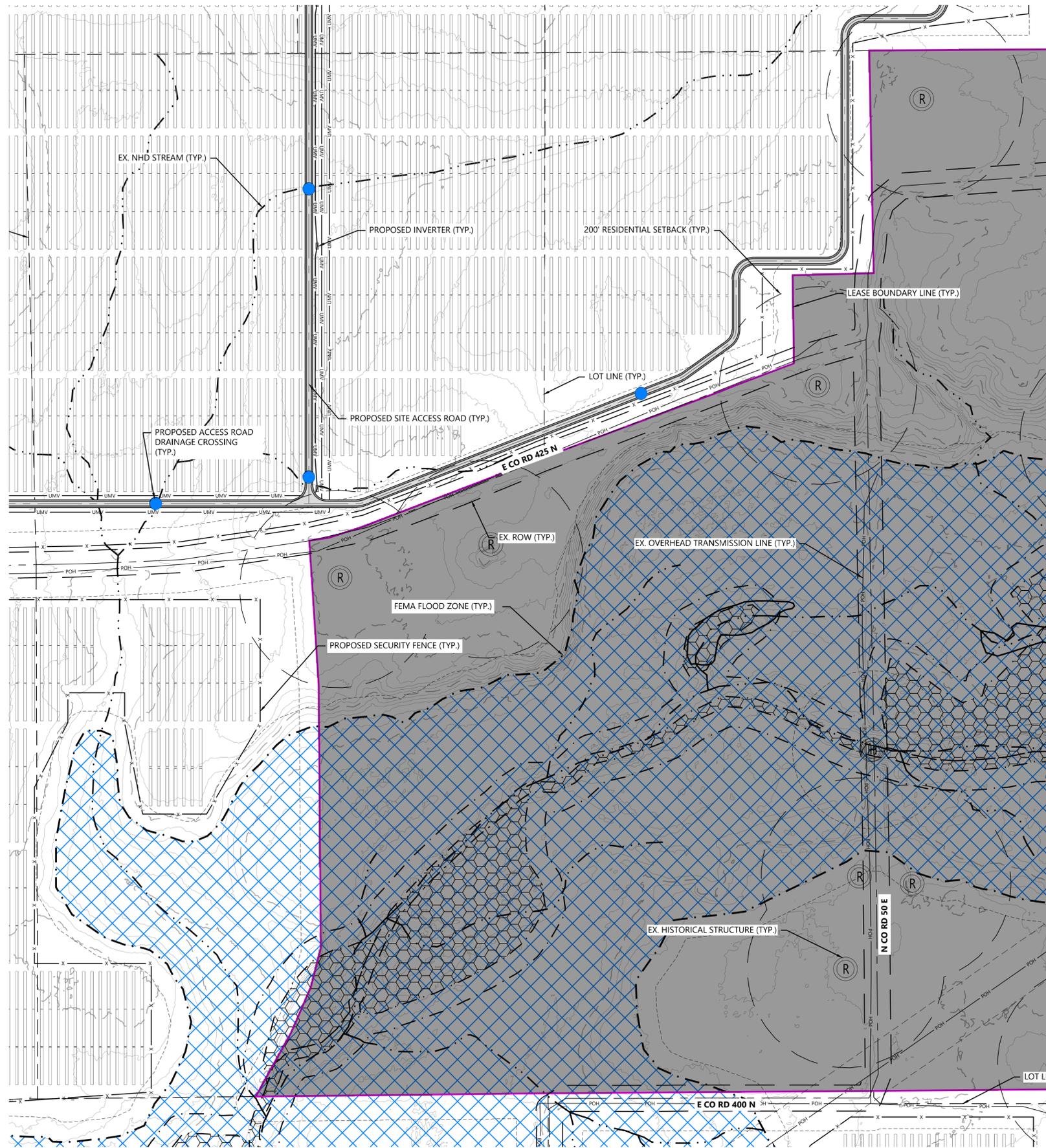
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Site Plan

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SHEET: C.303



- LEGEND:**
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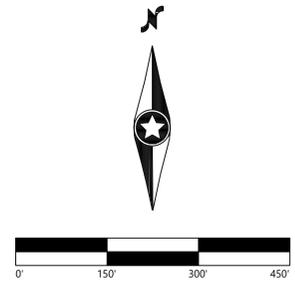
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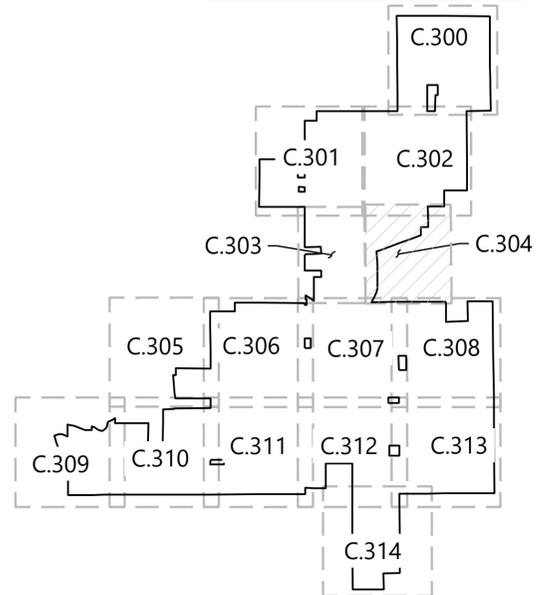
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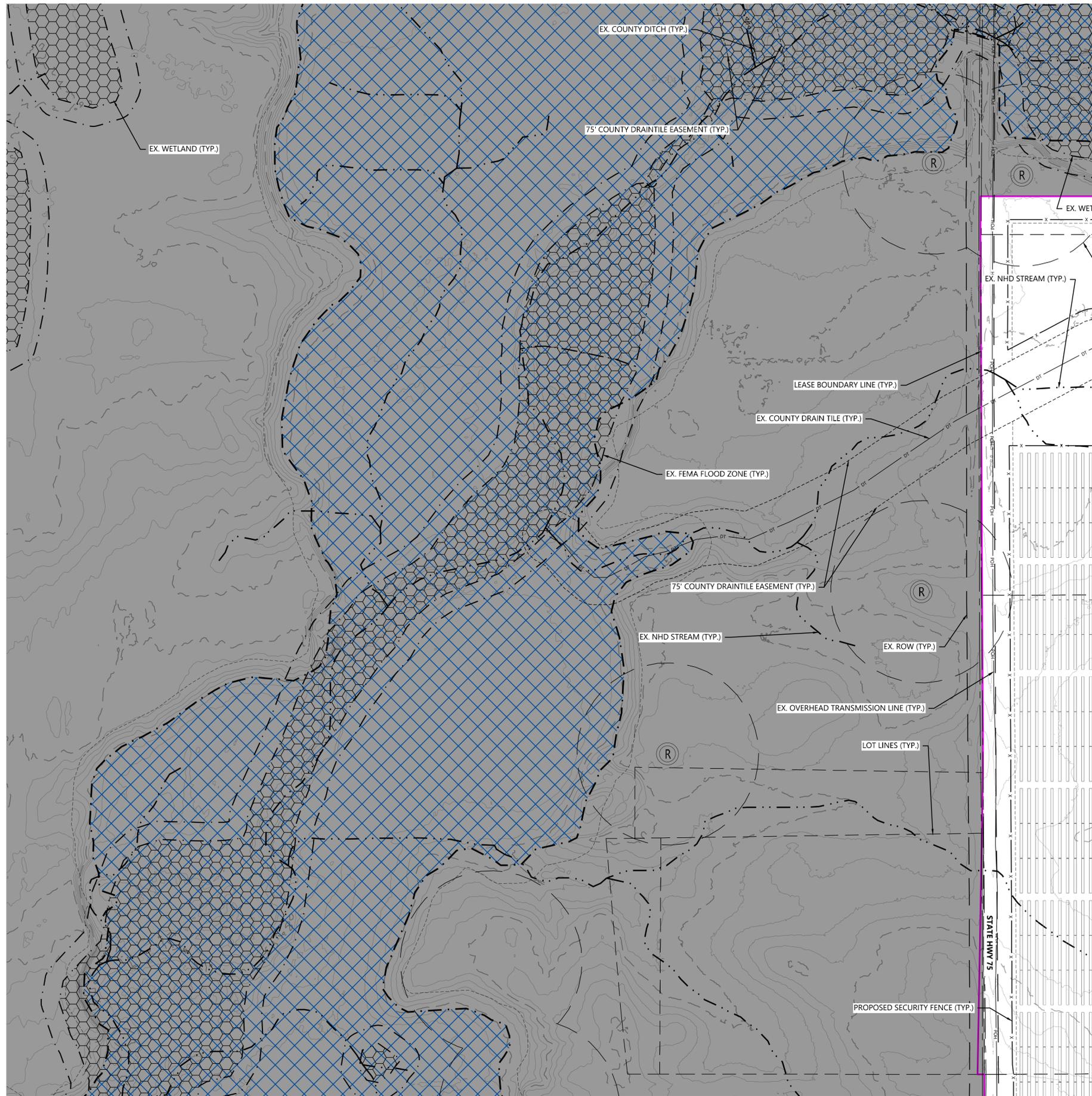
Site Plan

PRELIMINARY
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DATE: 03/13/2020

SHEET: C.304

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LEGEND:

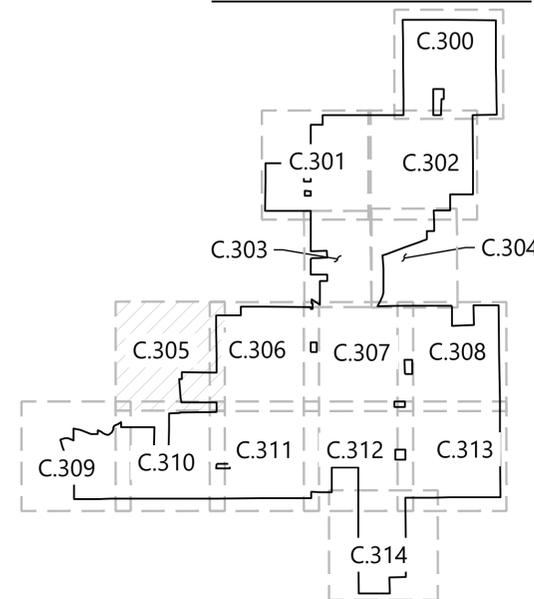
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- EX. COUNTY DRAIN TILE
- EX. WATER FEATURE
- NATIONAL HYDROGRAPHY DATASET (NHD) STREAM
- EX. COUNTY DRAINAGE DITCH
- EX. CEMETERY
- EX. HISTORIC STRUCTURE
- EX. RESIDENCE
- PROPOSED SOLAR ARRAY
- PROPOSED MODULE SETBACK
- PROPOSED ACCESS ROAD
- PROPOSED SECURITY FENCE
- PROPOSED ELECTRICAL EQUIPMENT
- PROPOSED PROJECT FACILITY
- PROPOSED LOW WATER CROSSING
- PROPOSED MEDIUM VOLTAGE COLLECTION
- PROPOSED CULVERT
- GRADING AVOIDANCE AREA
- PROPOSED ACCESS ROAD DRAINAGE CROSSING

SETBACK TABLE	
NON-PARTICIPATING PROPERTY LINE	50 FT
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FEMA FLOODPLAIN	50 FT
CEMETERY	200 FT
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NOTE:
 PROPOSED ACCESS ROAD DRAINAGE CROSSINGS (CULVERT AND LOW WATER CROSSINGS) TO BE SIZED DURING FINAL CONSTRUCTION DESIGN PHASE.

KEY MAP:



PREPARED FOR:



One South Wacker Drive Suite 1900
 Chicago, IL 60606

REVISIONS:

#	DATE	COMMENT
A	01/17/2020	CONCEPTUAL PV LAYOUT
F	02/14/2020	DRAINAGE PLAN
G	02/25/2020	DRAINAGE PLAN
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Hardy Hills Solar Project

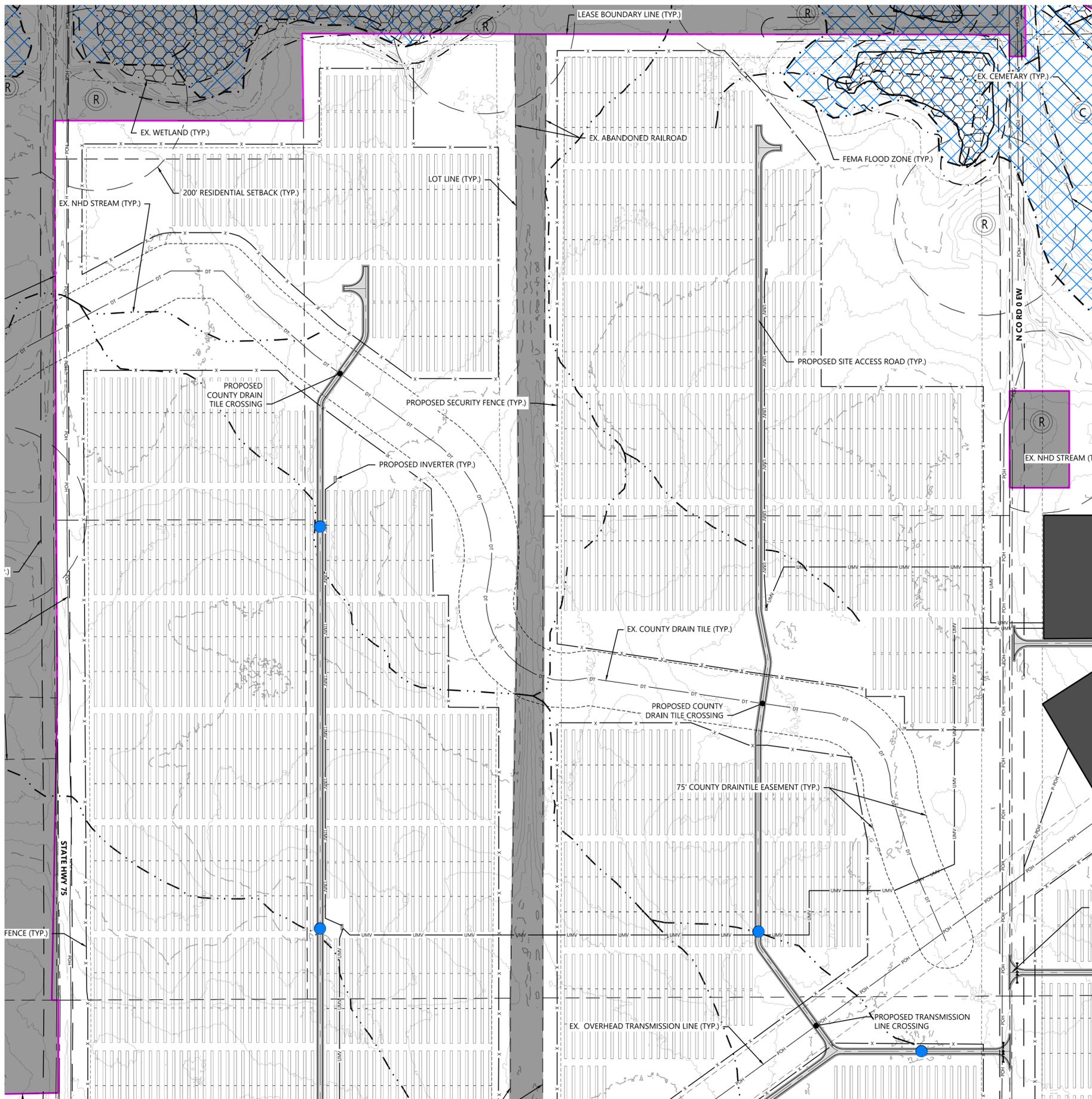
Clinton County, Indiana

Site Plan

PRELIMINARY
 NOT FOR CONSTRUCTION

DATE: 03/13/2020

SHEET: C.305



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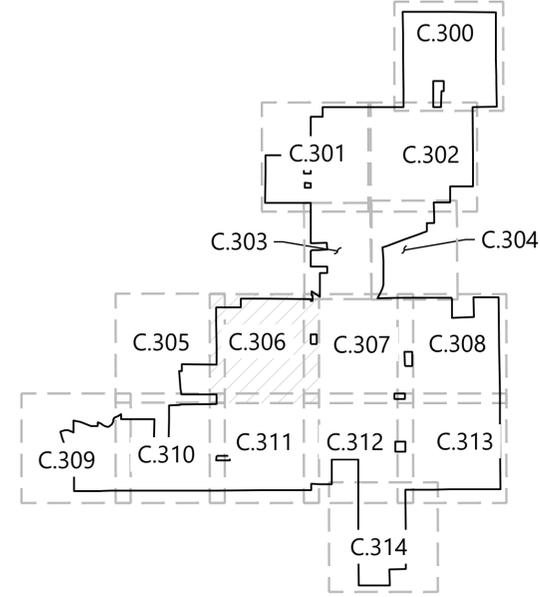
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- LEASE BOUNDARY LINE
- LOT LINES
- EX. RIGHT OF WAY
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- EX. APPROX. OVERHEAD POWER
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One South Wacker Drive Suite 1900
 Chicago, IL 60606

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Hardy Hills Solar Project

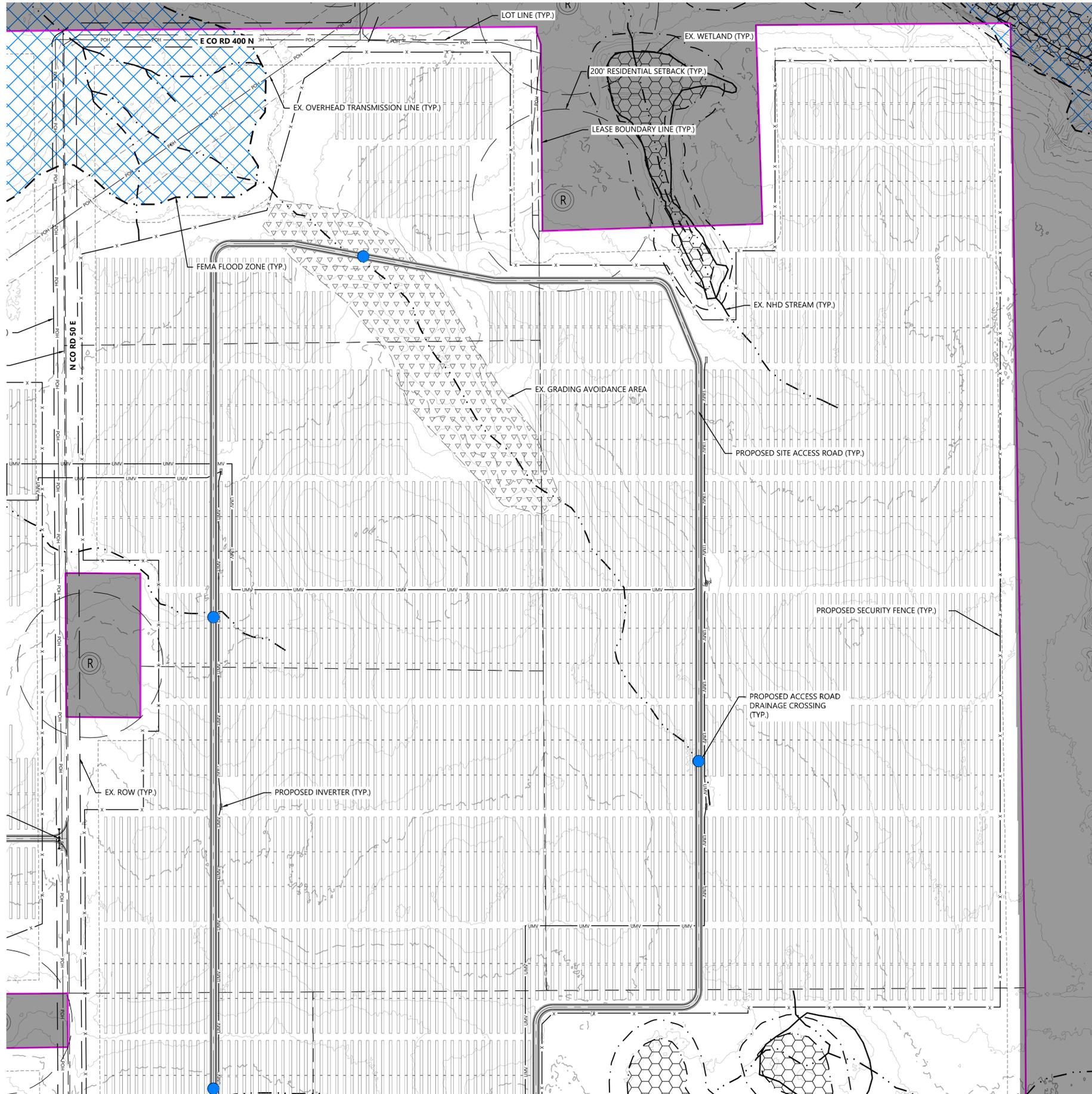
Clinton County, Indiana

Site Plan

PRELIMINARY
 NOT FOR CONSTRUCTION

DATE: 03/13/2020

SHEET: C.306



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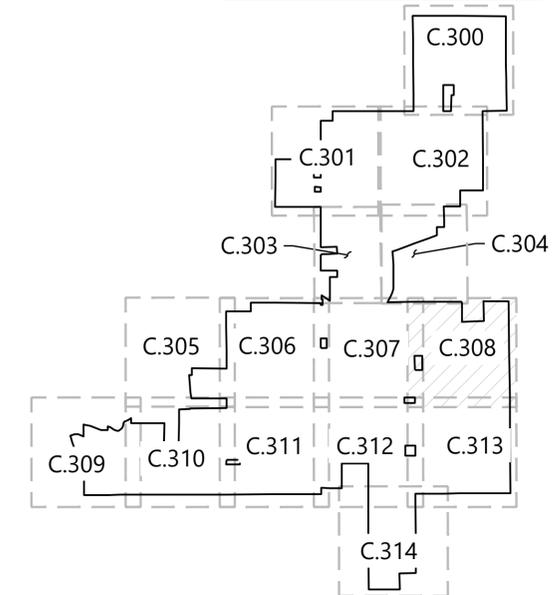
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KEY MAP:



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One South Wacker Drive Suite 1900
 Chicago, IL 60606

REVISIONS:

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Hardy Hills Solar Project
 Clinton County, Indiana

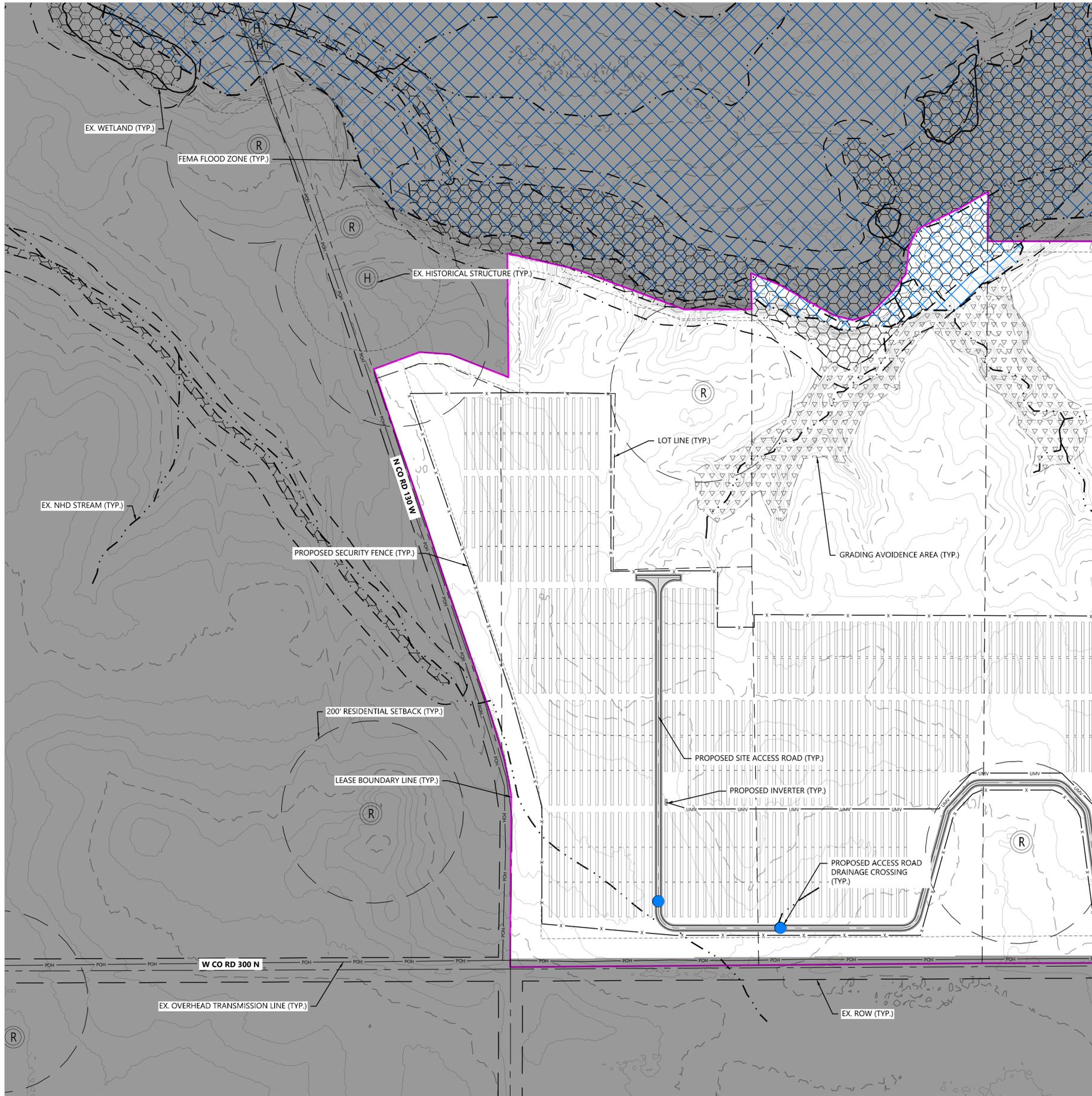
Site Plan

PRELIMINARY
 NOT FOR CONSTRUCTION

DATE: 03/13/2020

SHEET: C.308

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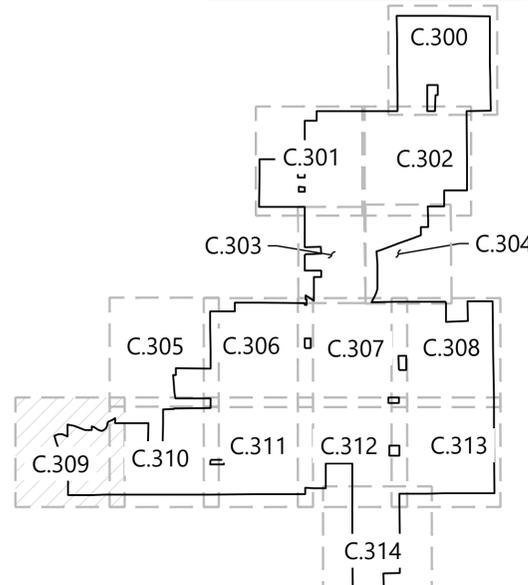
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One South Wacker Drive Suite 1900
 Chicago, IL 60606

REVISIONS:

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Hardy Hills Solar Project

Clinton County, Indiana

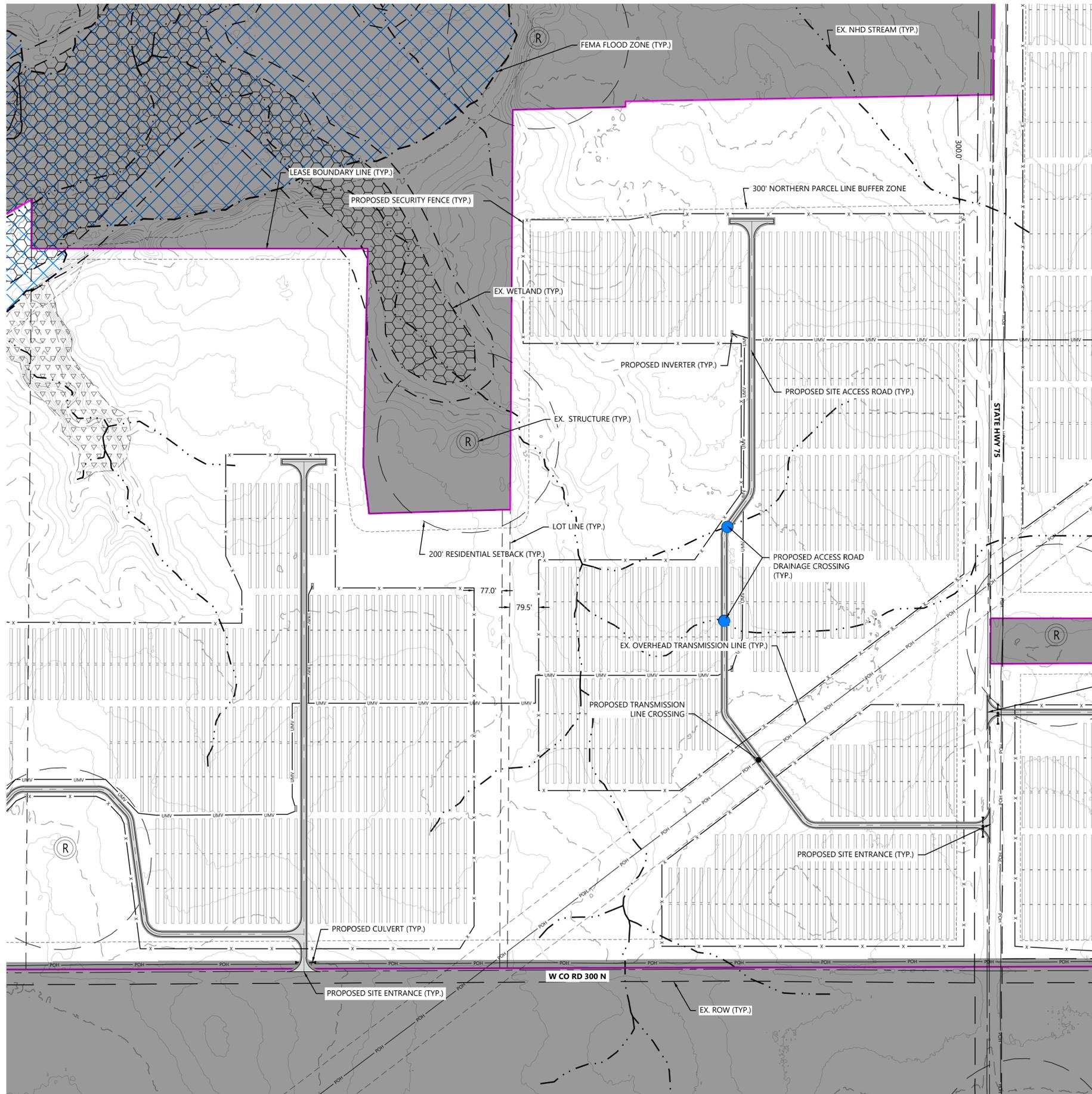
Site Plan

PRELIMINARY
 NOT FOR CONSTRUCTION

DATE: 03/13/2020

SHEET: C.309

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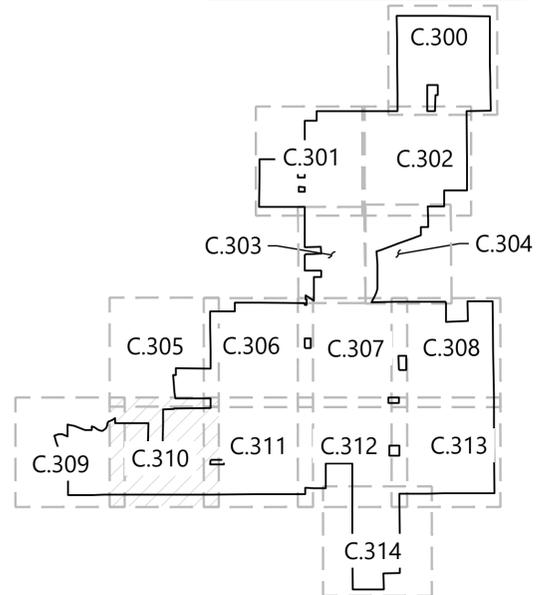
- UNRELEASED PROPERTY AREA
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KEY MAP:



PREPARED FOR:

One South Wacker Drive Suite 1900
 Chicago, IL 60606

REVISIONS:

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Hardy Hills Solar Project
 Clinton County, Indiana

Site Plan

PRELIMINARY
 NOT FOR CONSTRUCTION

DATE: 03/13/2020

SHEET: C.310

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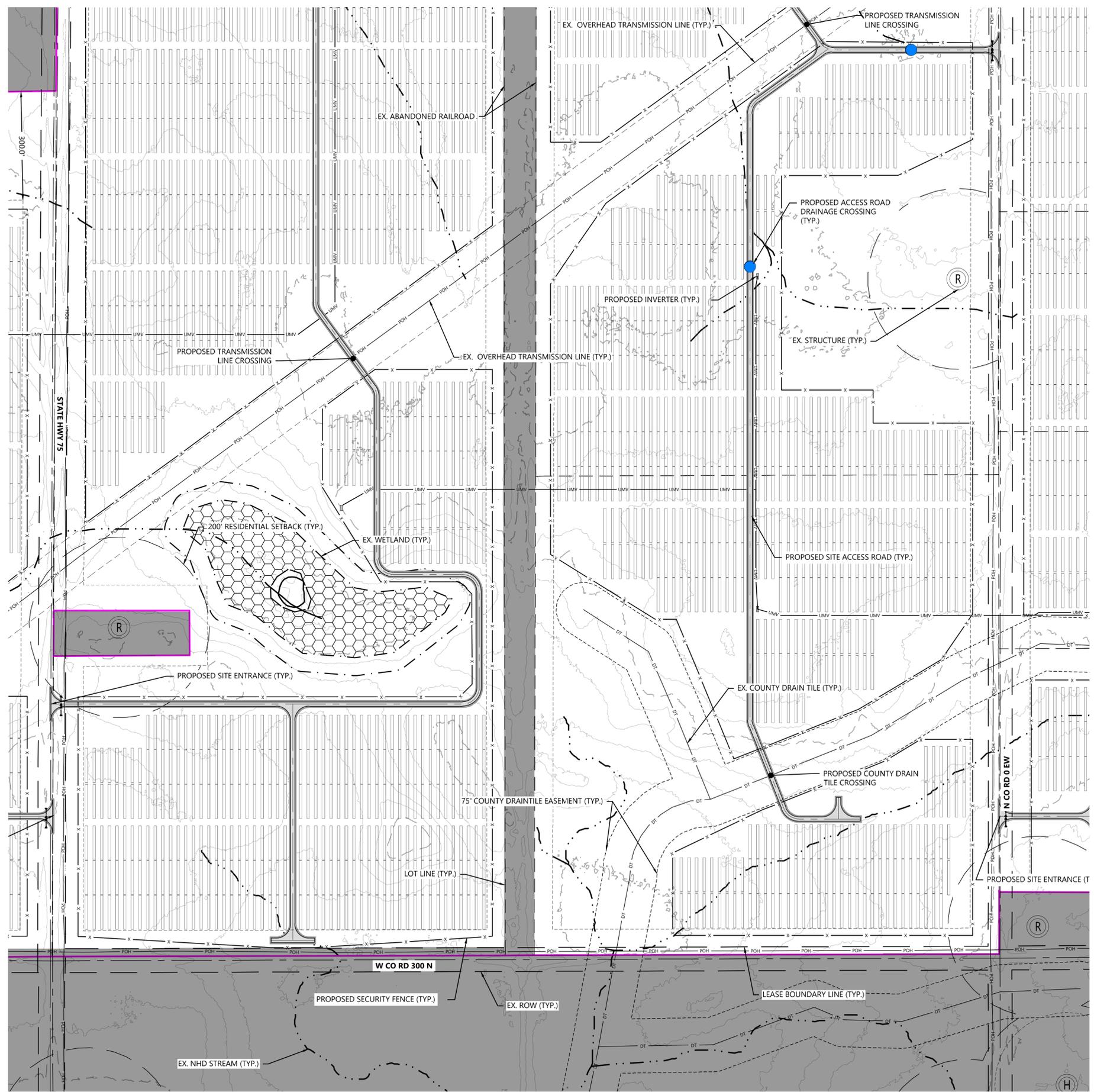
PREPARED FOR:



One South Wacker Drive Suite 1900
Chicago, IL 60606

REVISIONS:

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LEGEND:

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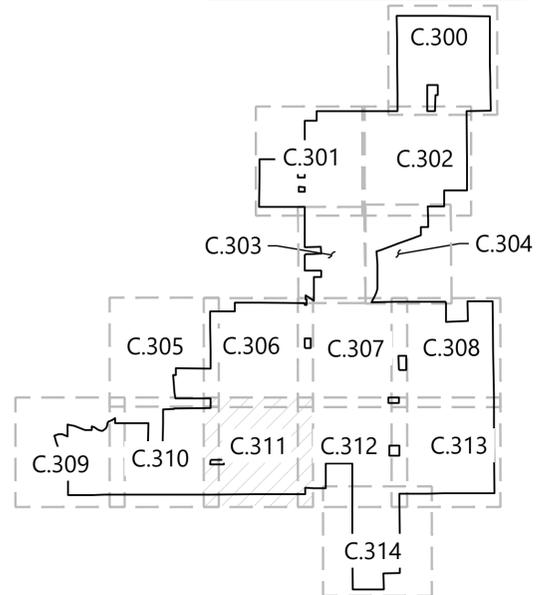
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KEY MAP:



Hardy Hills Solar Project
 Clinton County, Indiana

Site Plan

PRELIMINARY
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DATE: 03/13/2020

SHEET: C.311

PREPARED FOR:



One South Wacker Drive Suite 1900
Chicago, IL 60606

REVISIONS:

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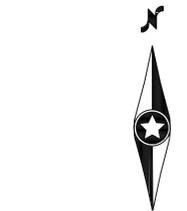
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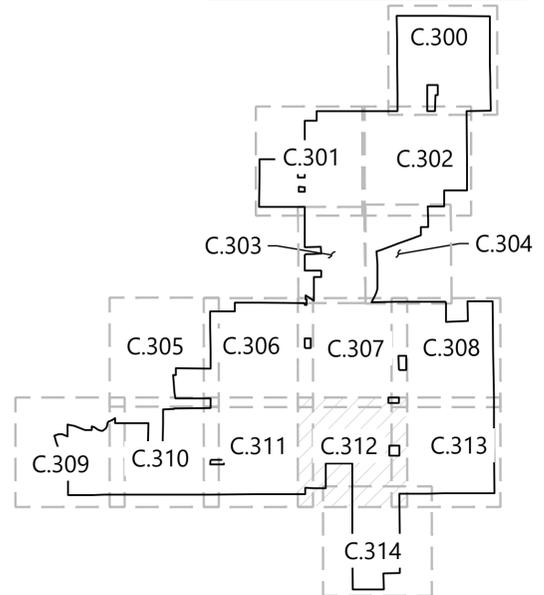
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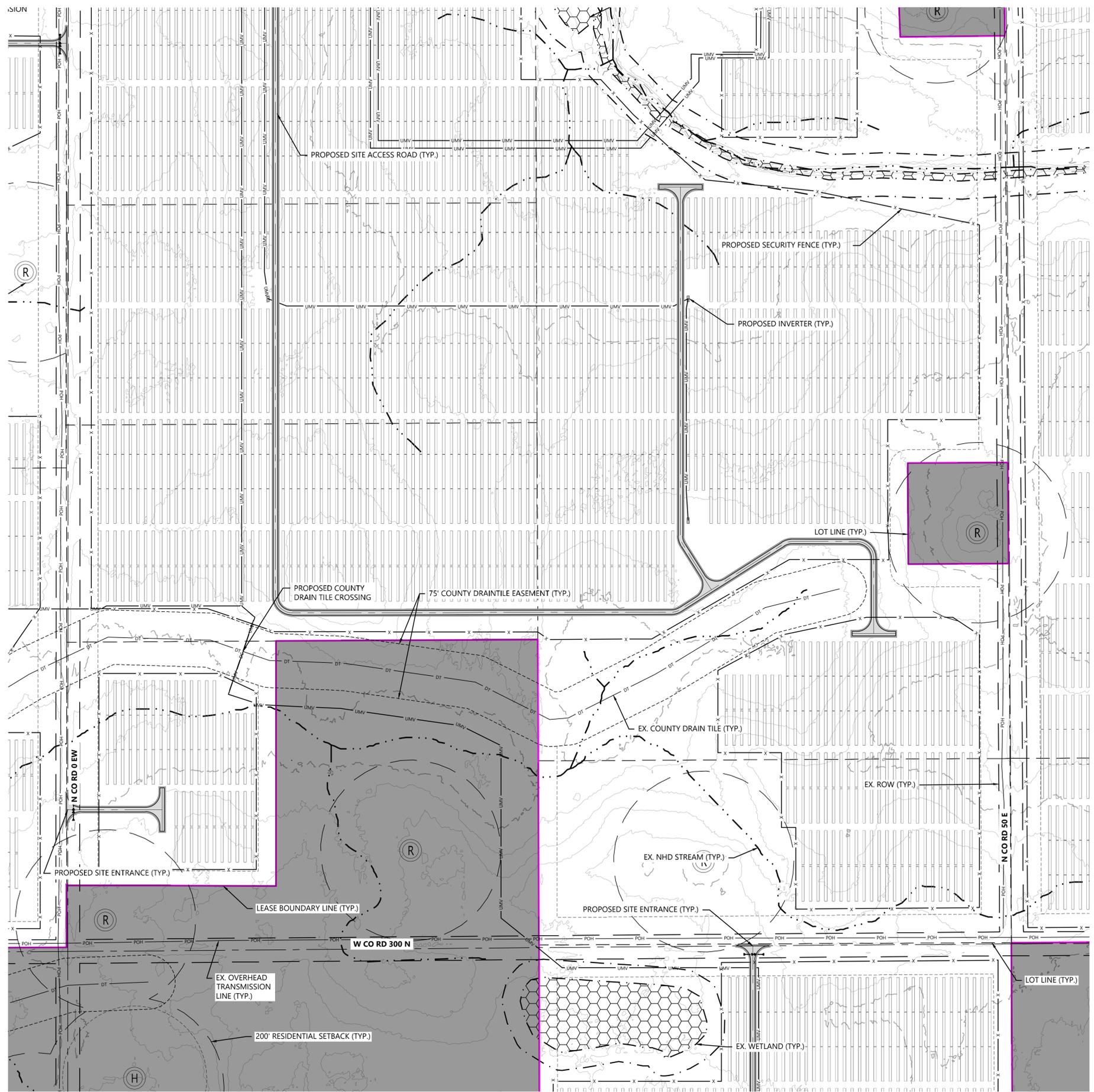
Hardy Hills Solar Project
 Clinton County, Indiana

Site Plan

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PREPARED FOR:



One South Wacker Drive Suite 1900
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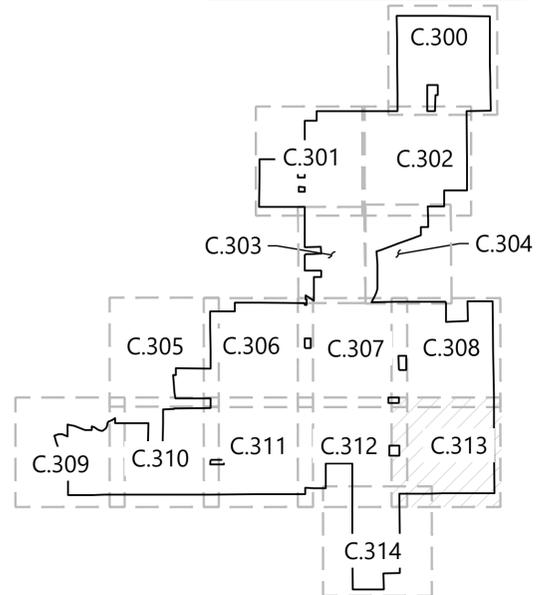
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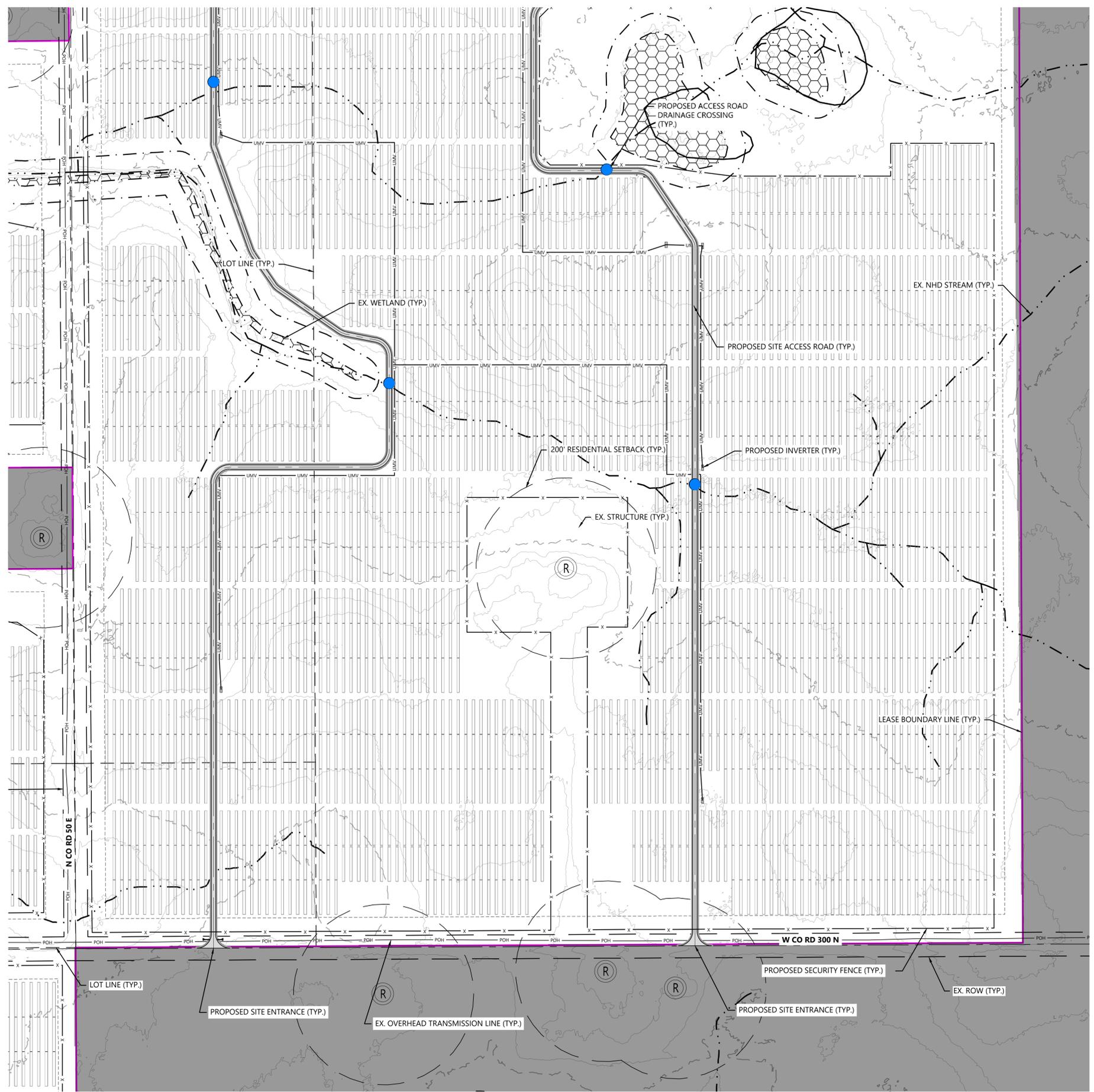
Hardy Hills Solar Project
 Clinton County, Indiana

Site Plan

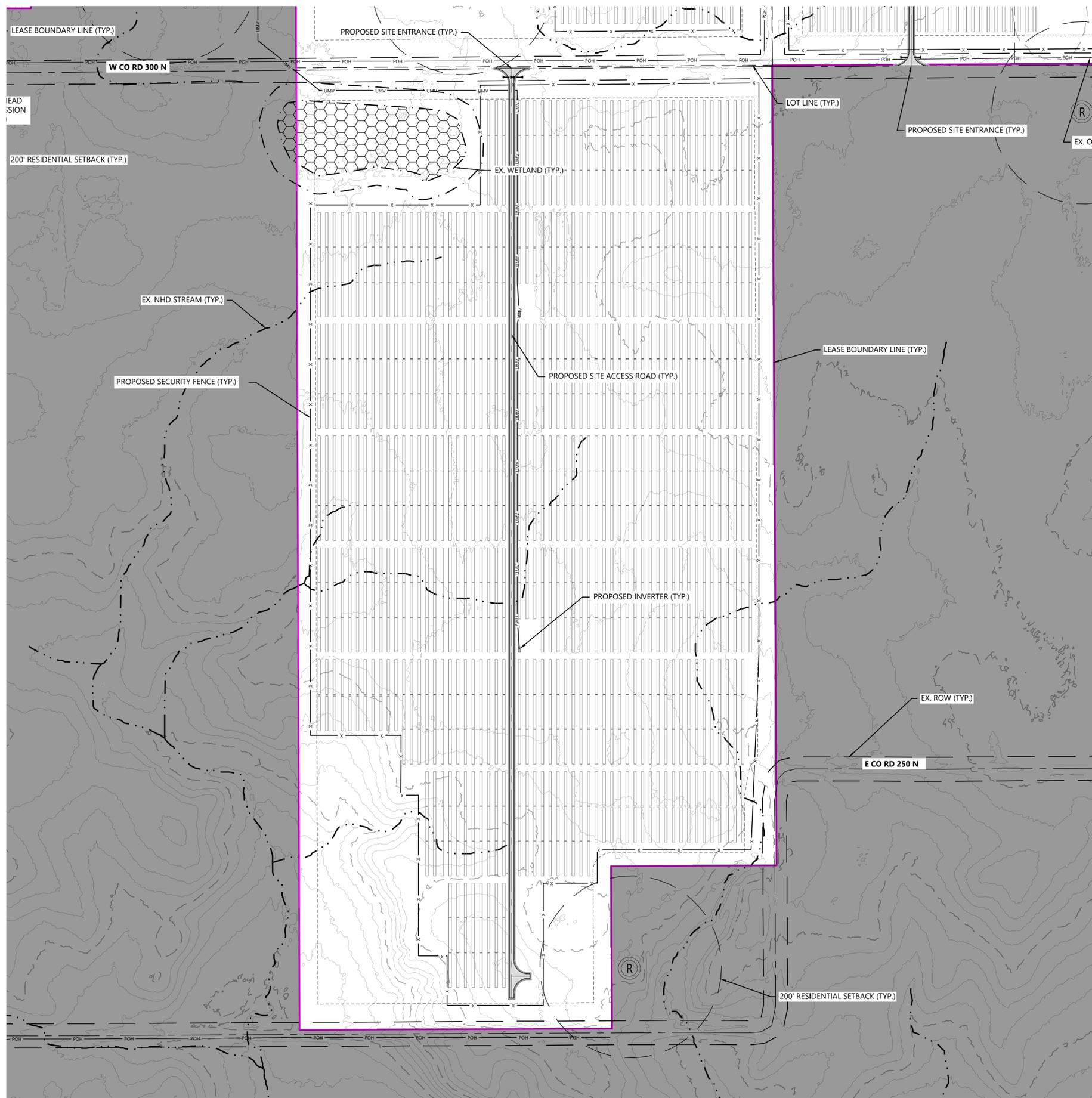
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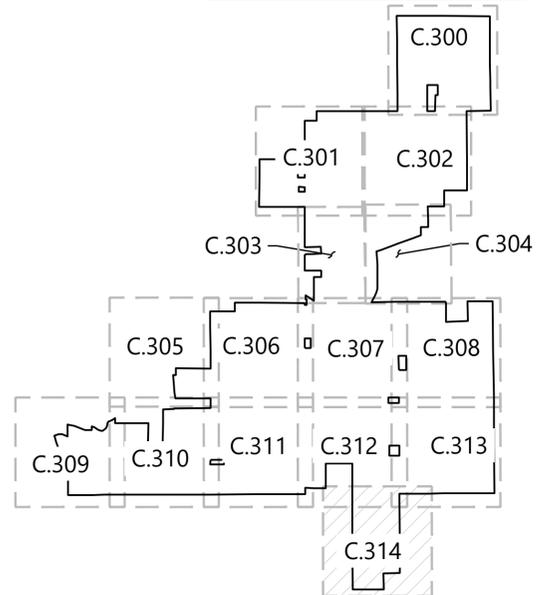
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- EX. COUNTY DRAIN TILE
- EX. WATER FEATURE
- NATIONAL HYDROGRAPHY DATASET (NHD) STREAM
- EX. COUNTY DRAINAGE DITCH
- EX. CEMETERY
- EX. HISTORIC STRUCTURE
- EX. RESIDENCE
- PROPOSED SOLAR ARRAY
- PROPOSED MODULE SETBACK
- PROPOSED ACCESS ROAD
- PROPOSED SECURITY FENCE
- PROPOSED ELECTRICAL EQUIPMENT
- PROPOSED PROJECT FACILITY
- PROPOSED LOW WATER CROSSING
- PROPOSED MEDIUM VOLTAGE COLLECTION
- PROPOSED CULVERT
- GRADING AVOIDANCE AREA
- PROPOSED ACCESS ROAD DRAINAGE CROSSING

SETBACK TABLE	
NON-PARTICIPATING PROPERTY LINE	50 FT
TYPICAL ROAD RIGHT OF WAY*	50 FT (83' FROM ROAD CENTERLINE)
INDIANA HIGHWAY 75 RIGHT OF WAY**	50 FT (85' FROM ROAD CENTERLINE)
NON-PARTICIPATING RESIDENCE	200 FT
PARTICIPATING RESIDENCE	200 FT
COUNTY DRAIN TILE AND DITCHES***	75 FT EITHER SIDE
WETLAND	50 FT
FEMA FLOODPLAIN	50 FT
CEMETERY	200 FT
HISTORIC STRUCTURE	200 FT
TRANSMISSION LINE****	60 FT

* BASED ON 66 FT RIGHT OF WAY WIDTH
 ** BASED ON 70 FT RIGHT OF WAY WIDTH
 *** BASED ON 150FT TOTAL WIDTH
 **** BASED ON 120 FT TOTAL EASEMENT WIDTH
 ***** TRANSMISSION LINE AND COUNTY DRAIN LINE SETBACKS ARE APPLIED TO THE PROJECT SECURITY FENCE

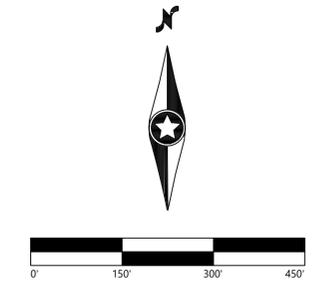
NOTE:
 PROPOSED ACCESS ROAD DRAINAGE CROSSINGS (CULVERT AND LOW WATER CROSSINGS) TO BE SIZED DURING FINAL CONSTRUCTION DESIGN PHASE.

KEY MAP:



REVISIONS:

#	DATE	COMMENT
A	01/17/2020	CONCEPTUAL PV LAYOUT
F	02/14/2020	DRAINAGE PLAN
G	02/25/2020	DRAINAGE PLAN
H	03/02/2020	DRAINAGE PLAN
I	03/13/2020	DRAINAGE PLAN



Hardy Hills Solar Project
 Clinton County, Indiana

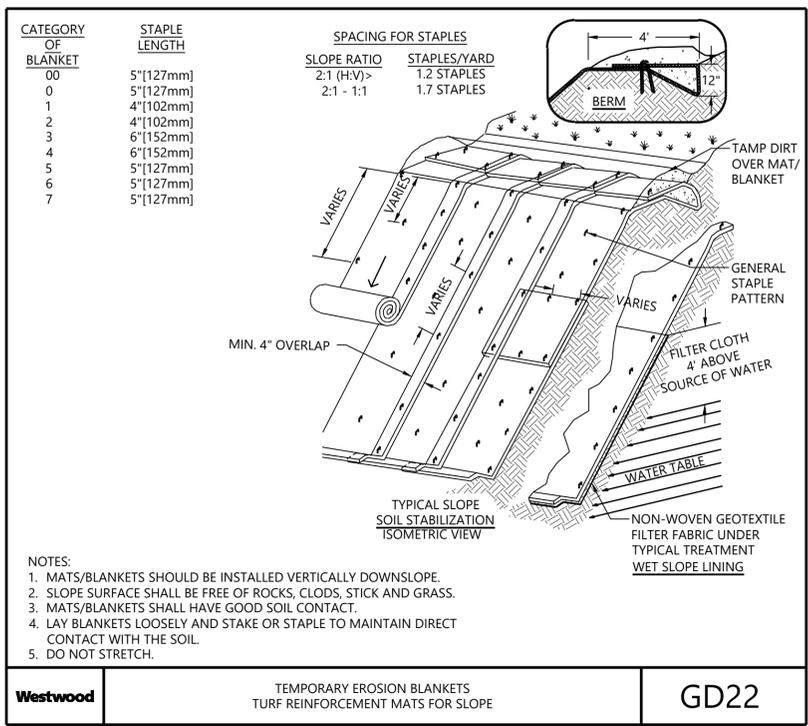
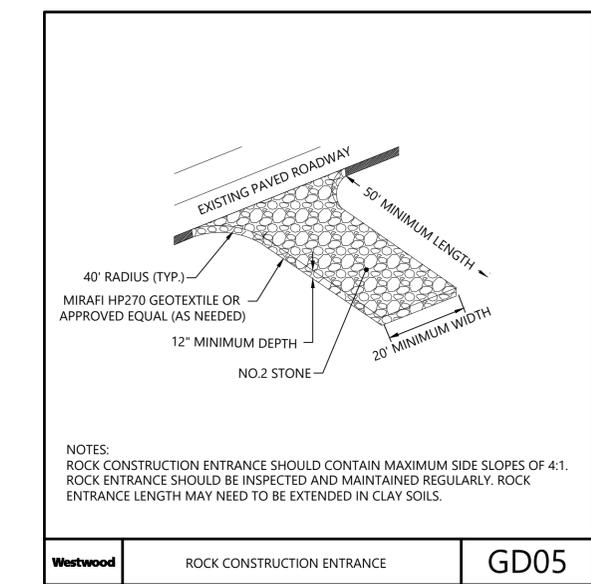
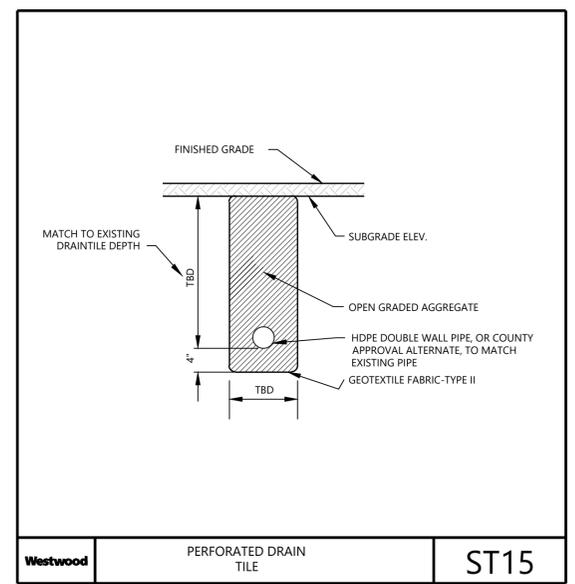
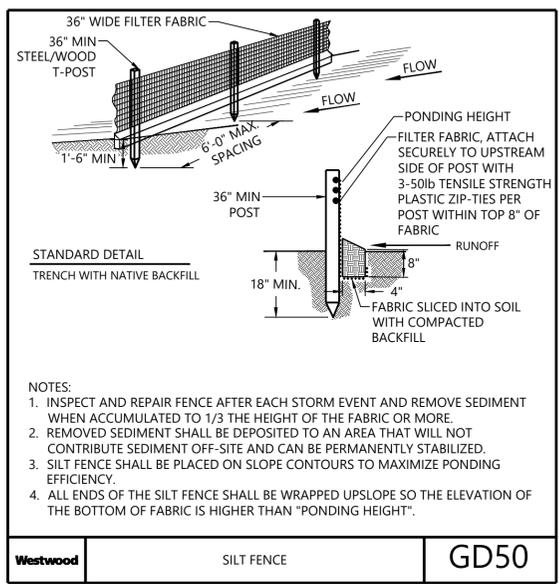
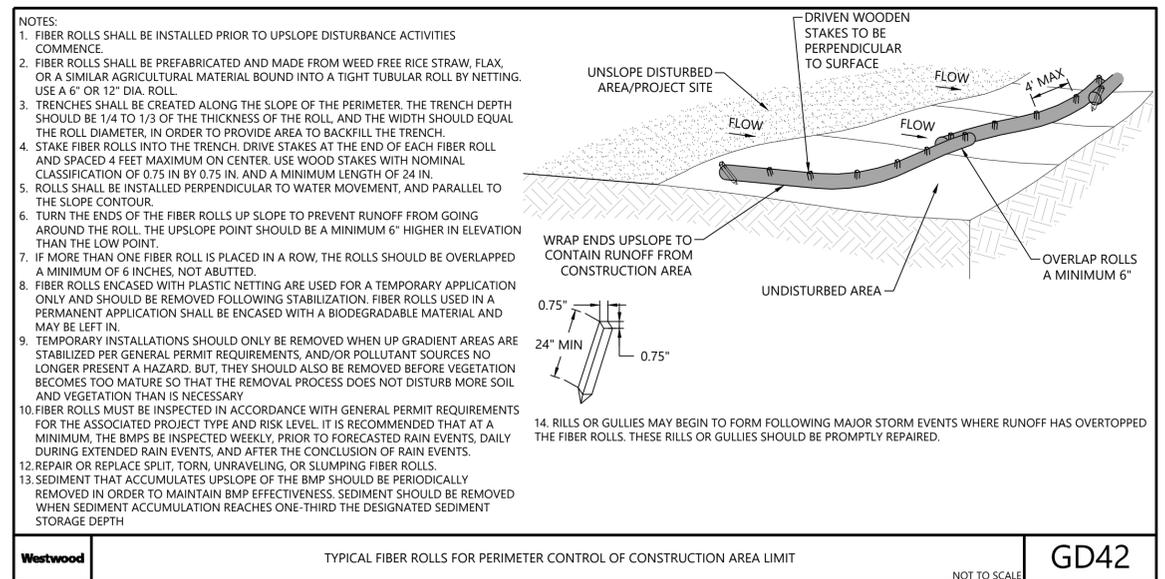
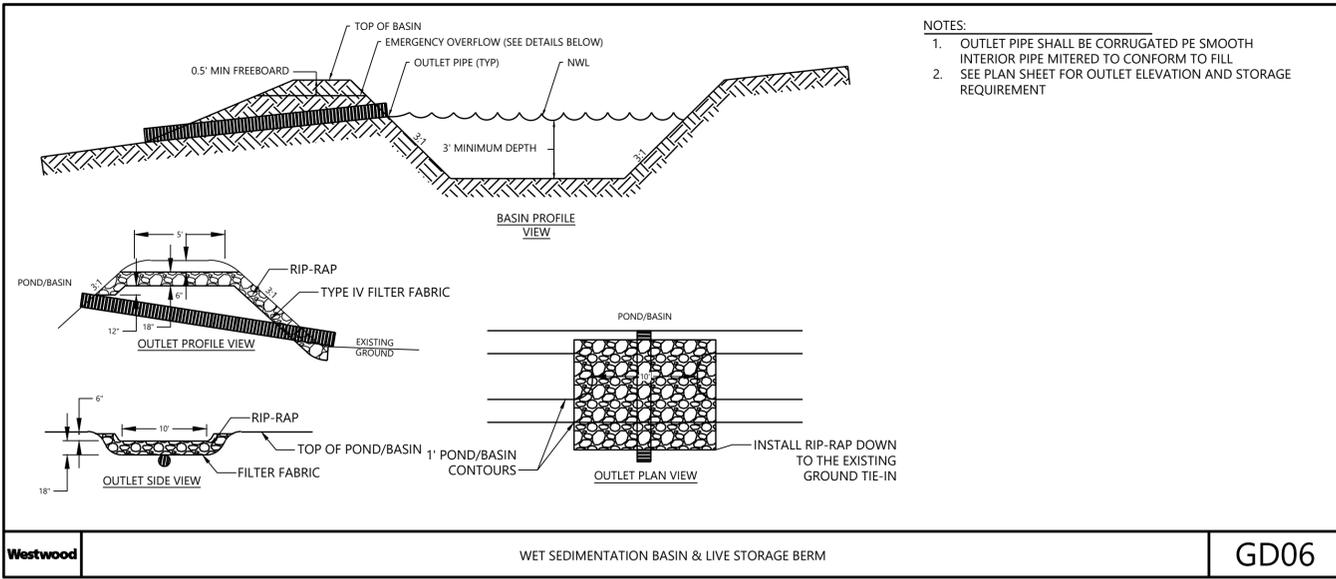
Site Plan

PRELIMINARY
 NOT FOR CONSTRUCTION

DATE: 03/13/2020

SHEET: C.314

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PREPARED FOR:

Invenergy

One South Wacker Drive Suite 1900
 Chicago, IL 60606

REVISIONS:

#	DATE	COMMENT
A	01/17/2020	CONCEPTUAL PV LAYOUT
F	02/14/2020	DRAINAGE PLAN
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Hardy Hills Solar Project
 Clinton County, Indiana

Construction Details

PRELIMINARY
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DATE: 03/13/2020
 SHEET: C.400

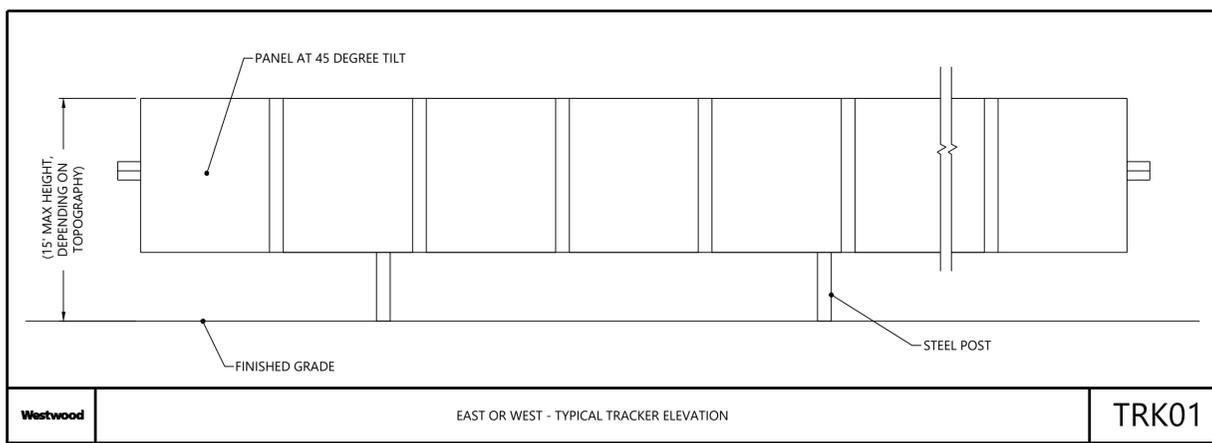
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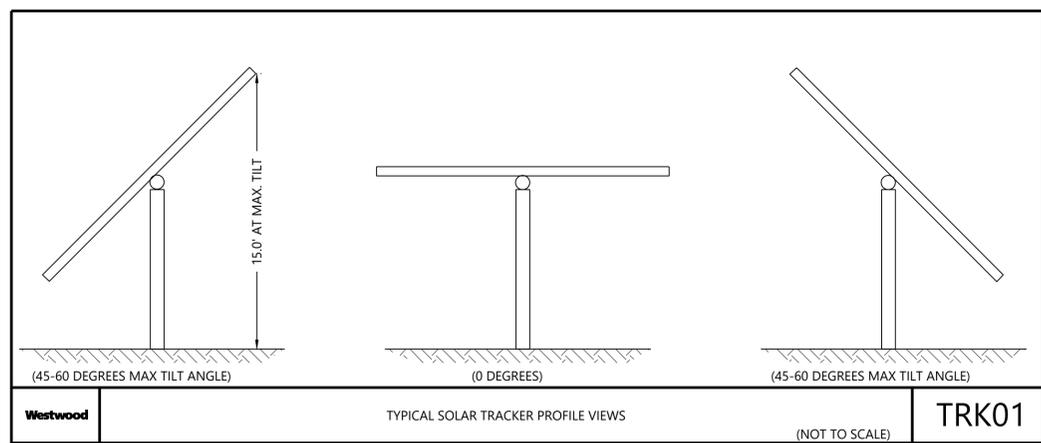
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Chicago, IL 60606

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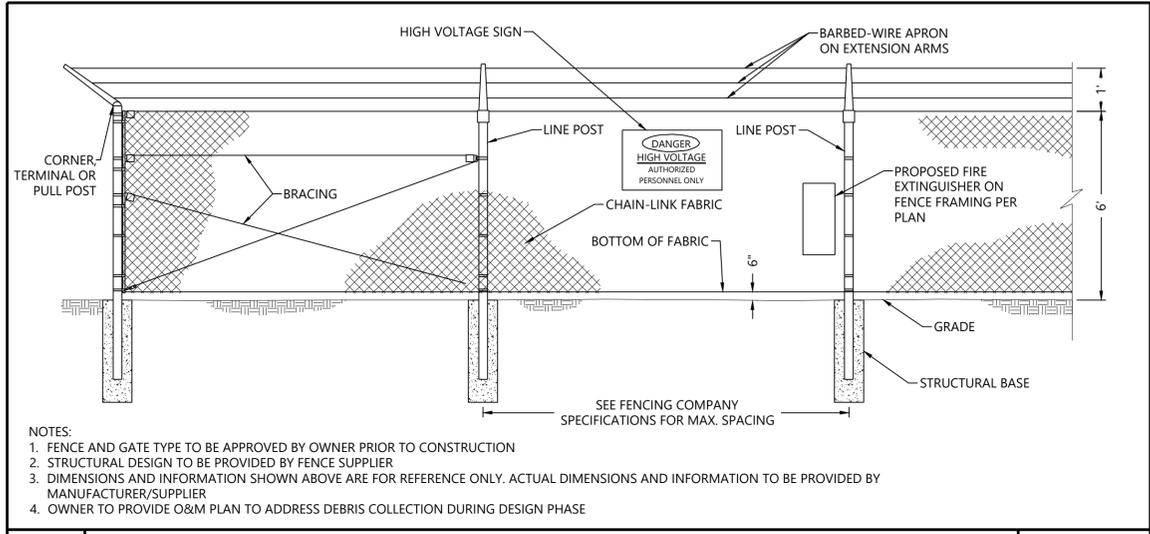
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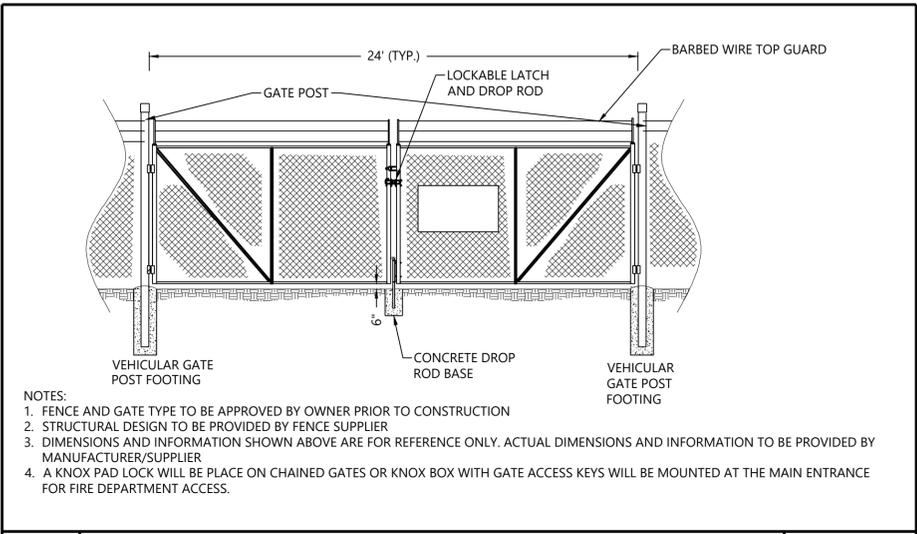
Westwood EAST OR WEST - TYPICAL TRACKER ELEVATION TRK01



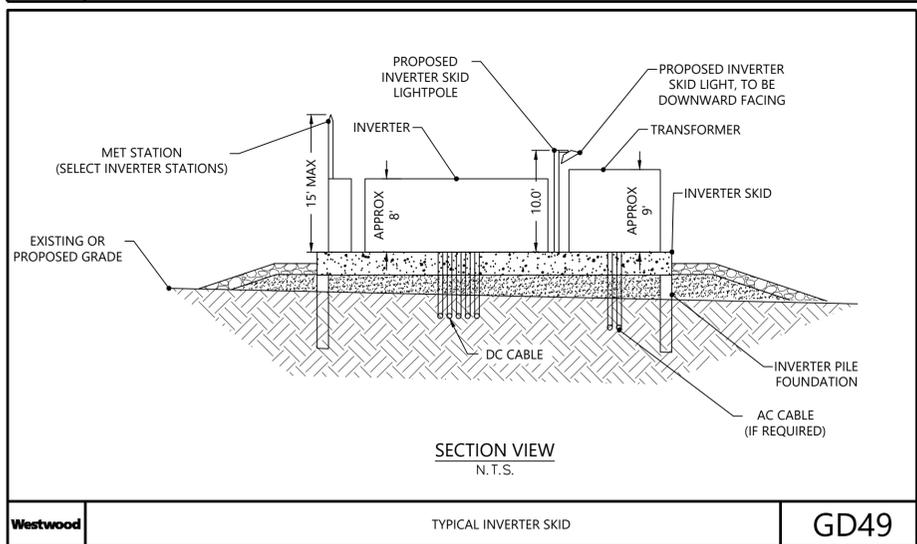
Westwood TYPICAL SOLAR TRACKER PROFILE VIEWS (NOT TO SCALE) TRK01



Westwood CHAIN-LINK SECURITY FENCE DETAIL (NOT TO SCALE) FN01



Westwood CHAIN-LINK SECURITY SWING GATE FN05



Westwood TYPICAL INVERTER SKID GD49

Hardy Hills Solar Project
Clinton County, Indiana

Construction Details

PRELIMINARY
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DATE: 03/13/2020

SHEET: C.401

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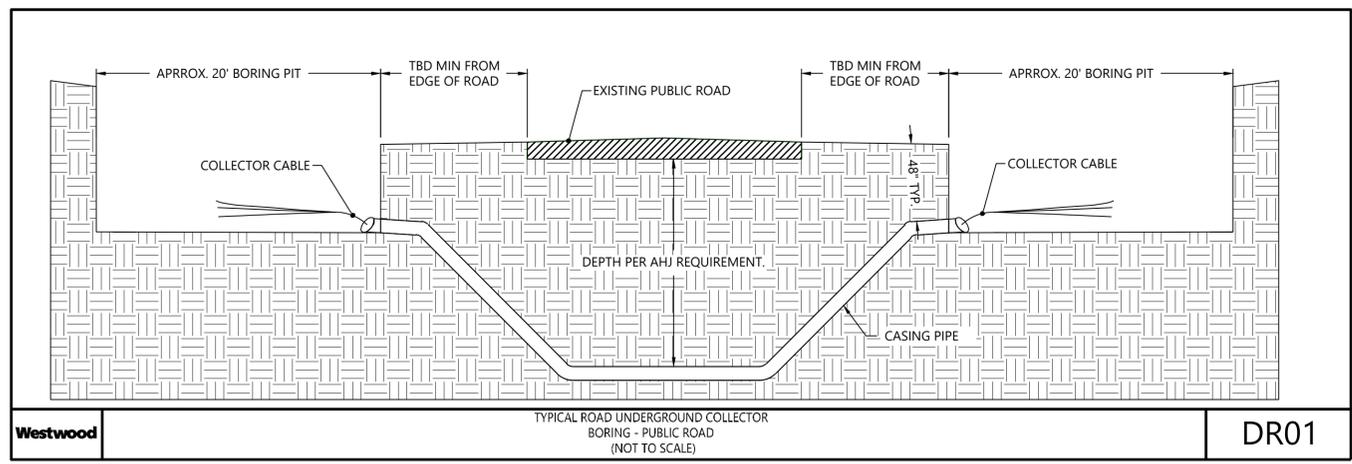
PREPARED FOR:

Invenenergy

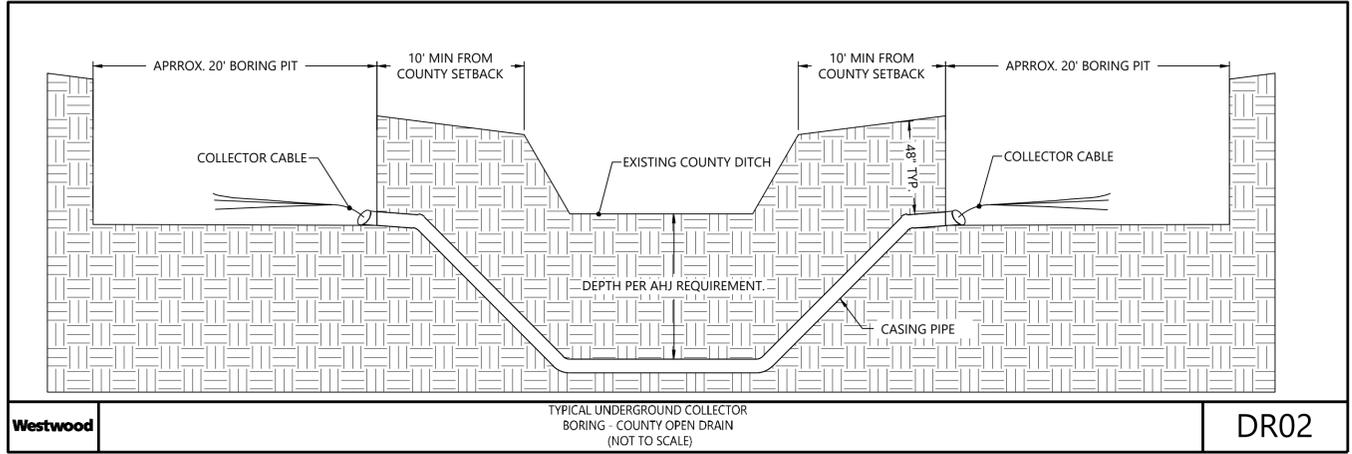
One South Wacker Drive Suite 1900
Chicago, IL 60606

REVISIONS:

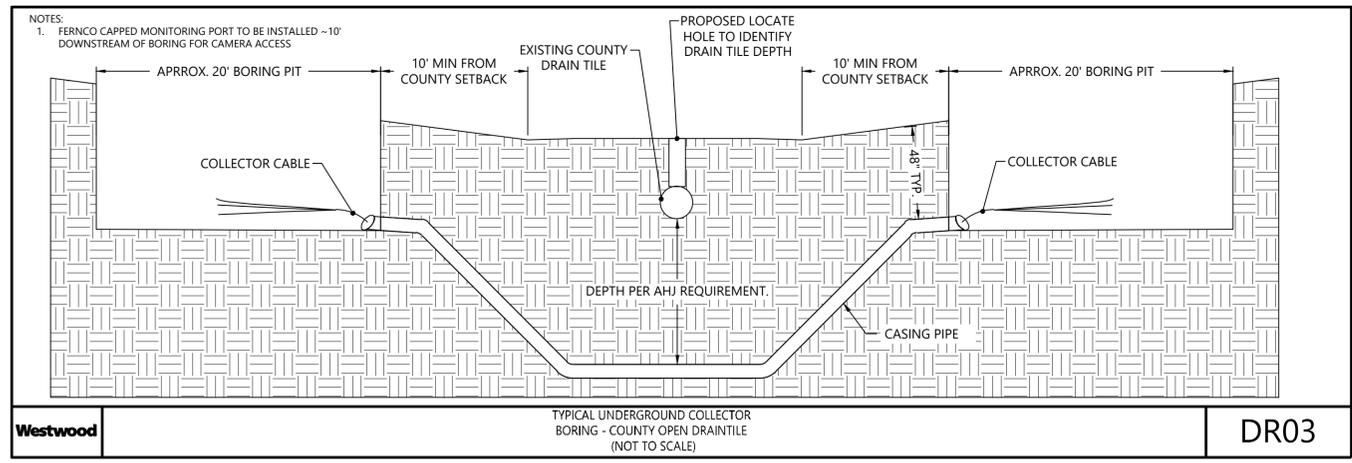
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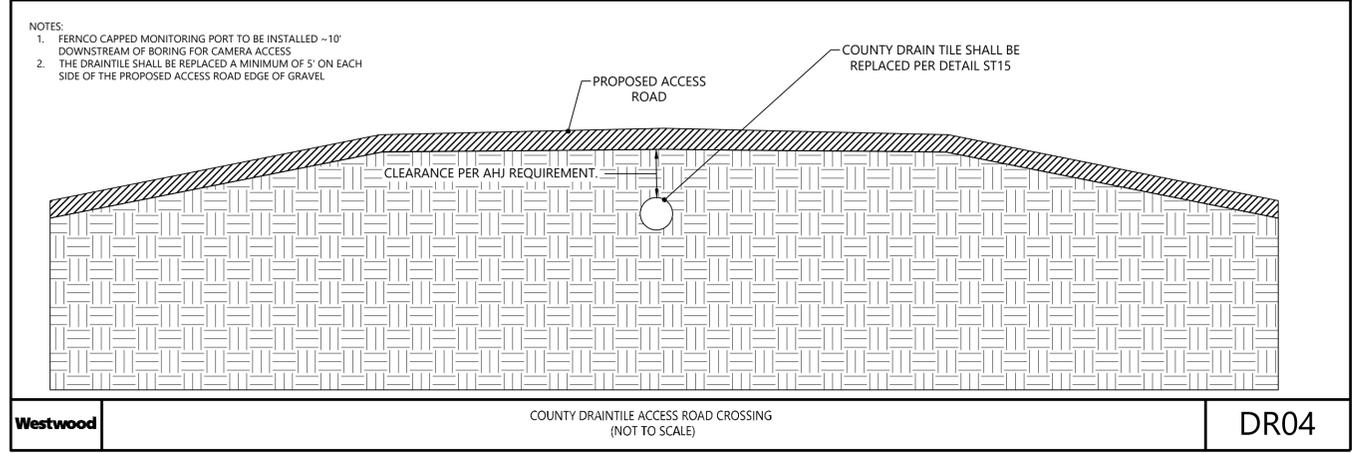
Westwood TYPICAL ROAD UNDERGROUND COLLECTOR BORING - PUBLIC ROAD (NOT TO SCALE) DR01



Westwood TYPICAL UNDERGROUND COLLECTOR BORING - COUNTY OPEN DRAIN (NOT TO SCALE) DR02



Westwood TYPICAL UNDERGROUND COLLECTOR BORING - COUNTY OPEN DRAIN TILE (NOT TO SCALE) DR03



Westwood COUNTY DRAINTILE ACCESS ROAD CROSSING (NOT TO SCALE) DR04

Hardy Hills Solar Project
Clinton County, Indiana

Construction Details

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NOT FOR CONSTRUCTION

DATE: 03/13/2020

SHEET: C.402

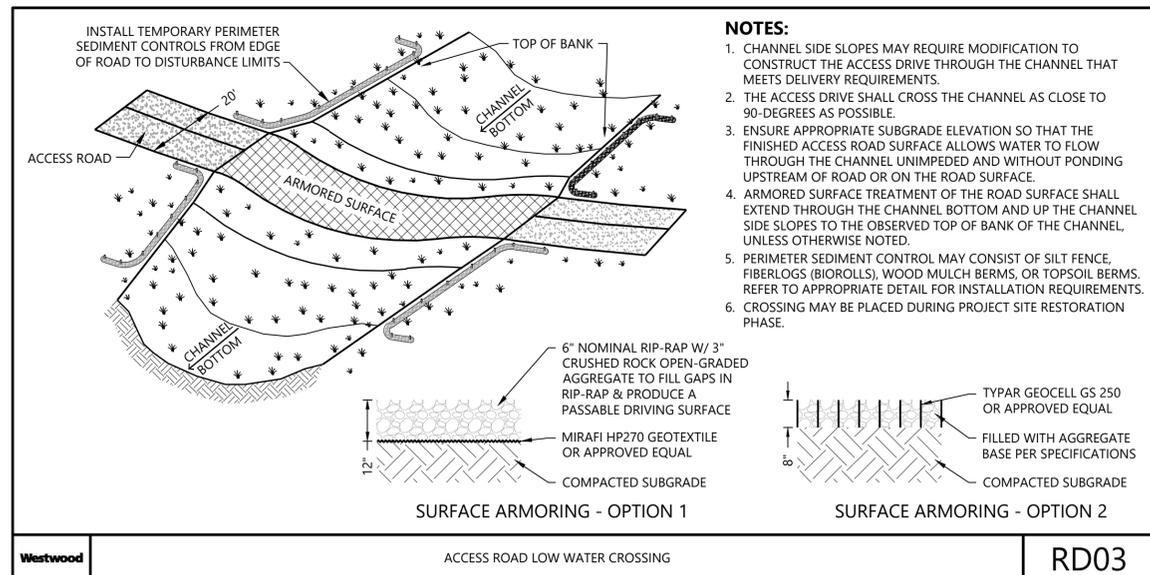
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PREPARED FOR:

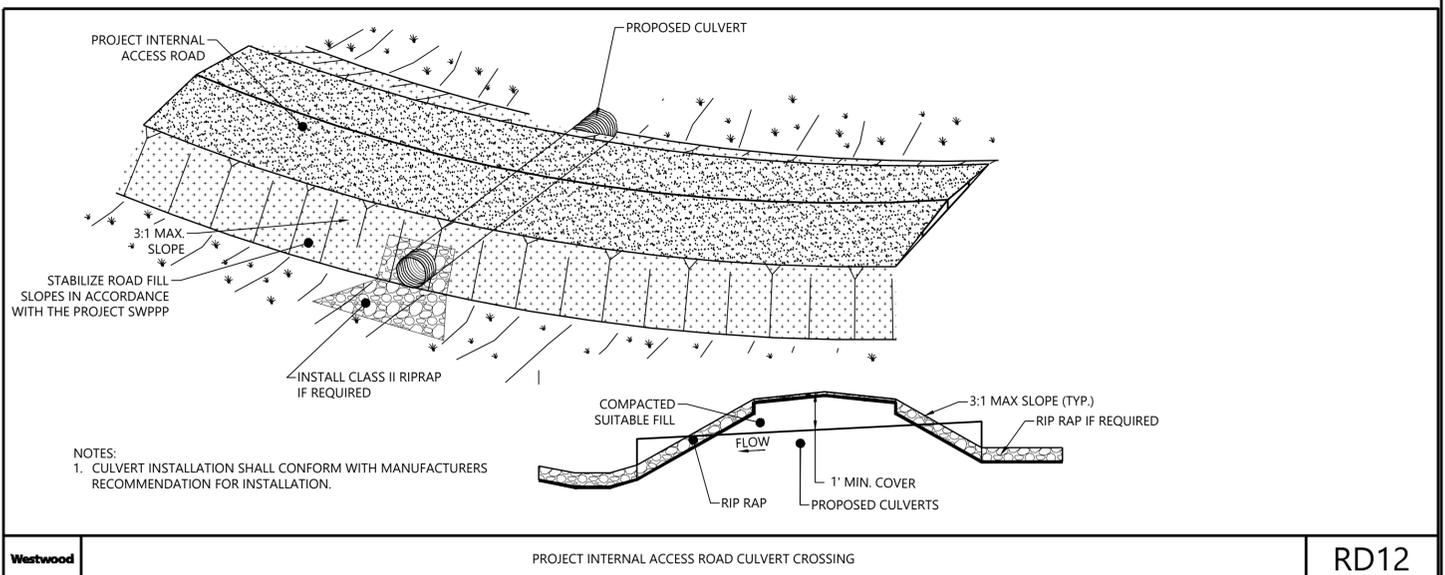
One South Wacker Drive Suite 1900
Chicago, IL 60606

REVISIONS:

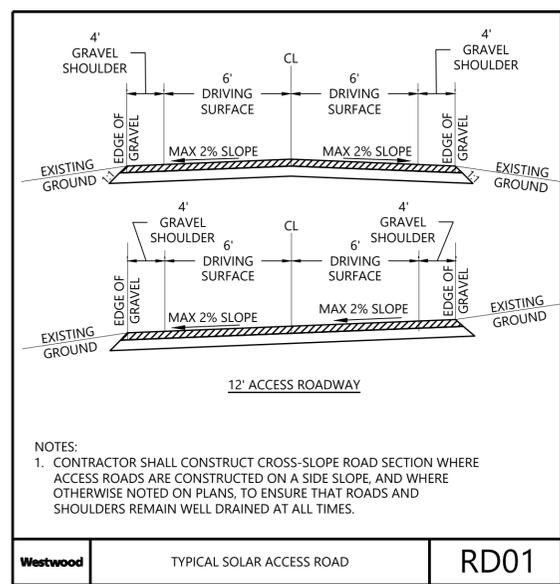
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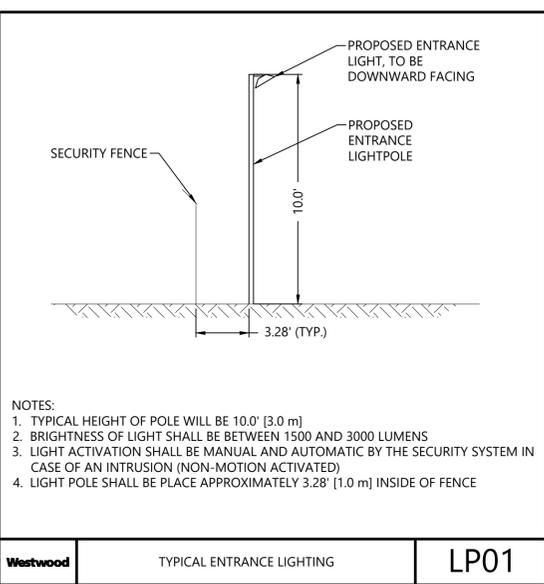
Westwood ACCESS ROAD LOW WATER CROSSING RD03



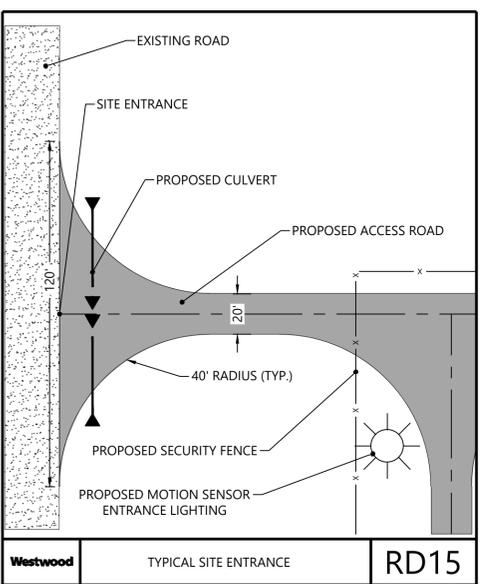
Westwood PROJECT INTERNAL ACCESS ROAD CULVERT CROSSING RD12



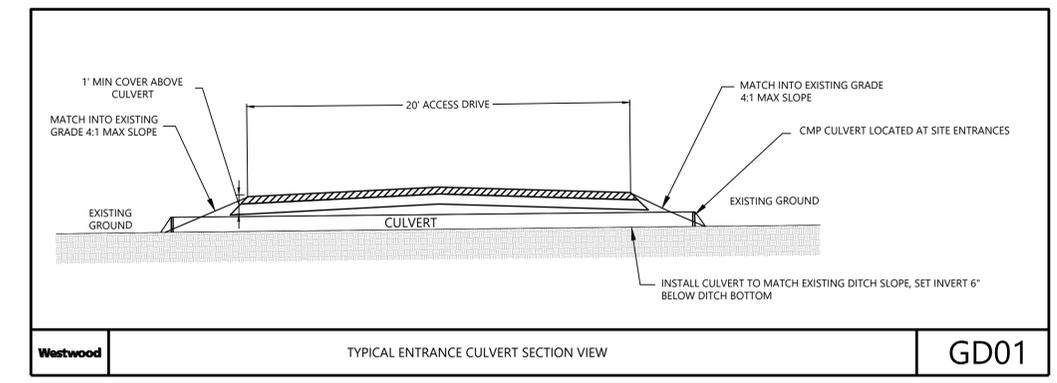
Westwood TYPICAL SOLAR ACCESS ROAD RD01



Westwood TYPICAL ENTRANCE LIGHTING LP01



Westwood TYPICAL SITE ENTRANCE RD15



Westwood TYPICAL ENTRANCE CULVERT SECTION VIEW GD01

Hardy Hills Solar Project
Clinton County, Indiana

Construction Details

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NOT FOR CONSTRUCTION

DATE: 03/13/2020

SHEET: C.403

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