



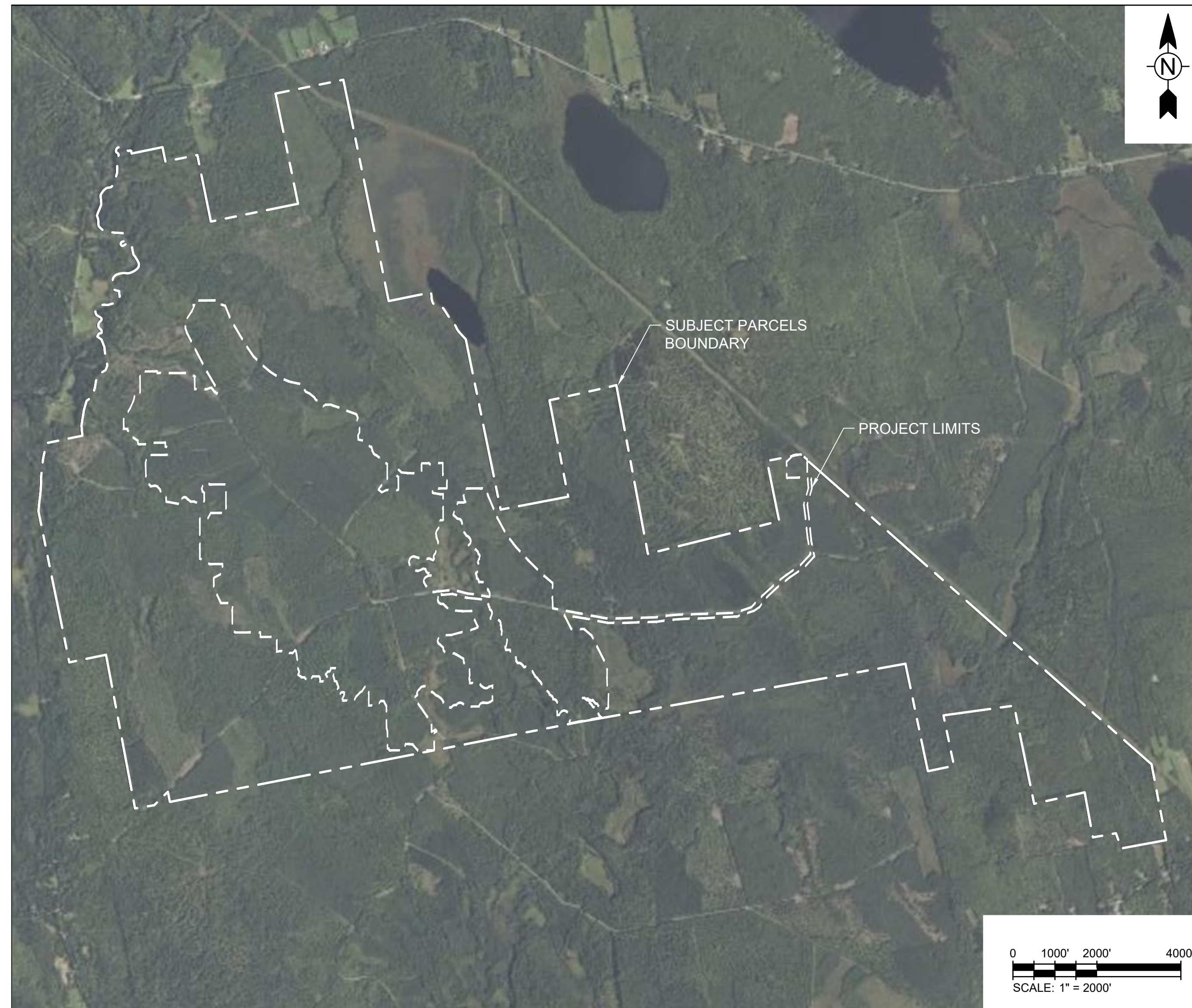
# Hartland Solar Project

## Town of Hartland, Somerset County, Maine

### Maine DEP Permit Plans

451 Presumpscot Street  
 Portland, ME 04103  
 (207) 358-2400

www.tetratech.com



LOCATION MAP

**PROJECT LOCATION:**

BURRILL WOODS ROAD  
 HARTLAND, ME 04943

**LANDOWNER:**

WEYERHAEUSER COMPANY  
 220 OCCIDENTAL AVENUE S  
 SEATTLE, WA 98104

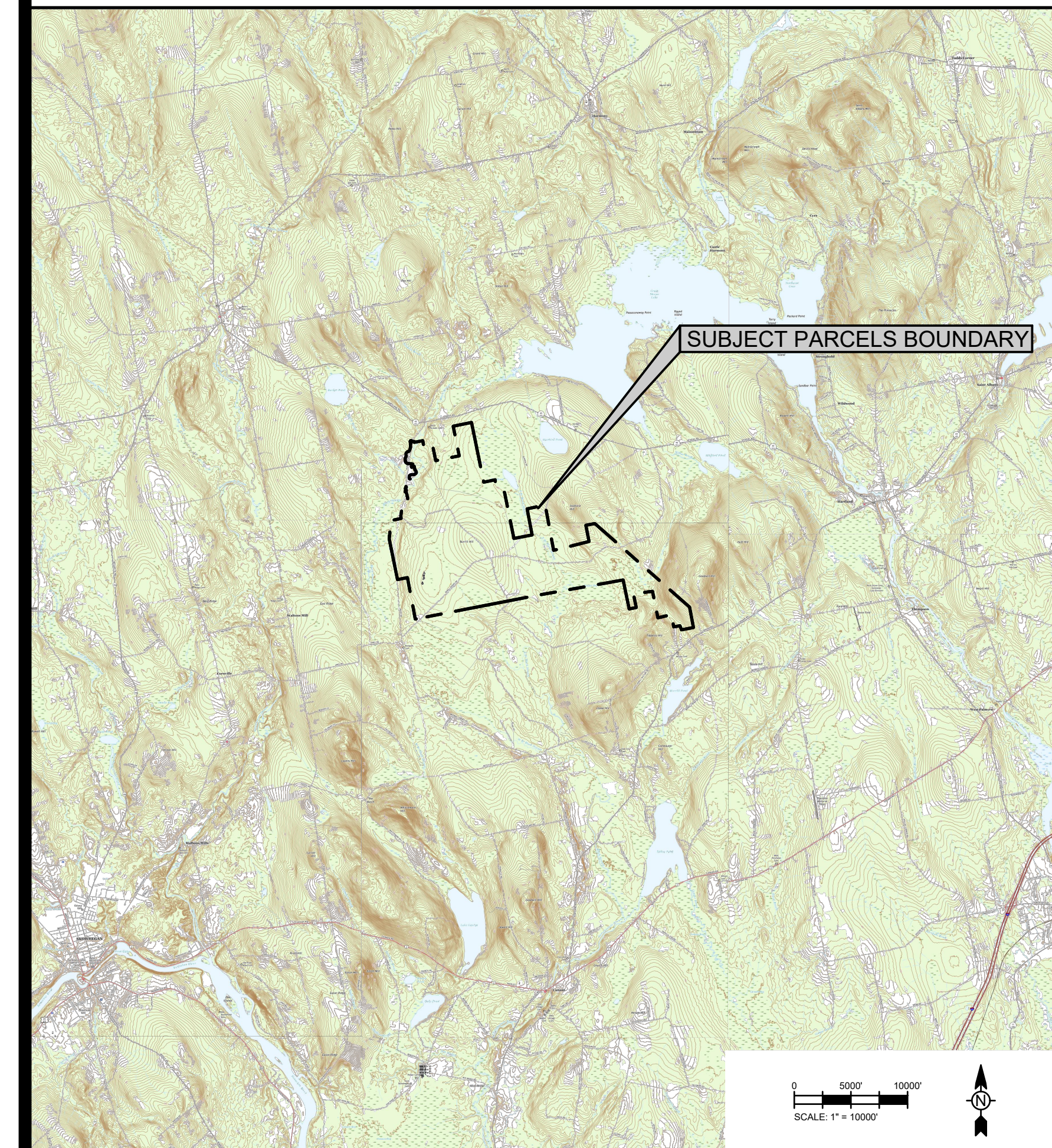
**APPLICANT:**

HARTLAND SOLAR FACILITY, LLC  
 500 UNION STREET, SUITE 625  
 SEATTLE, WA 98101

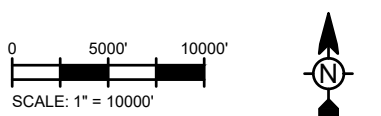
**ISSUED:**

DECEMBER 15, 2023 - ISSUE FOR PERMIT

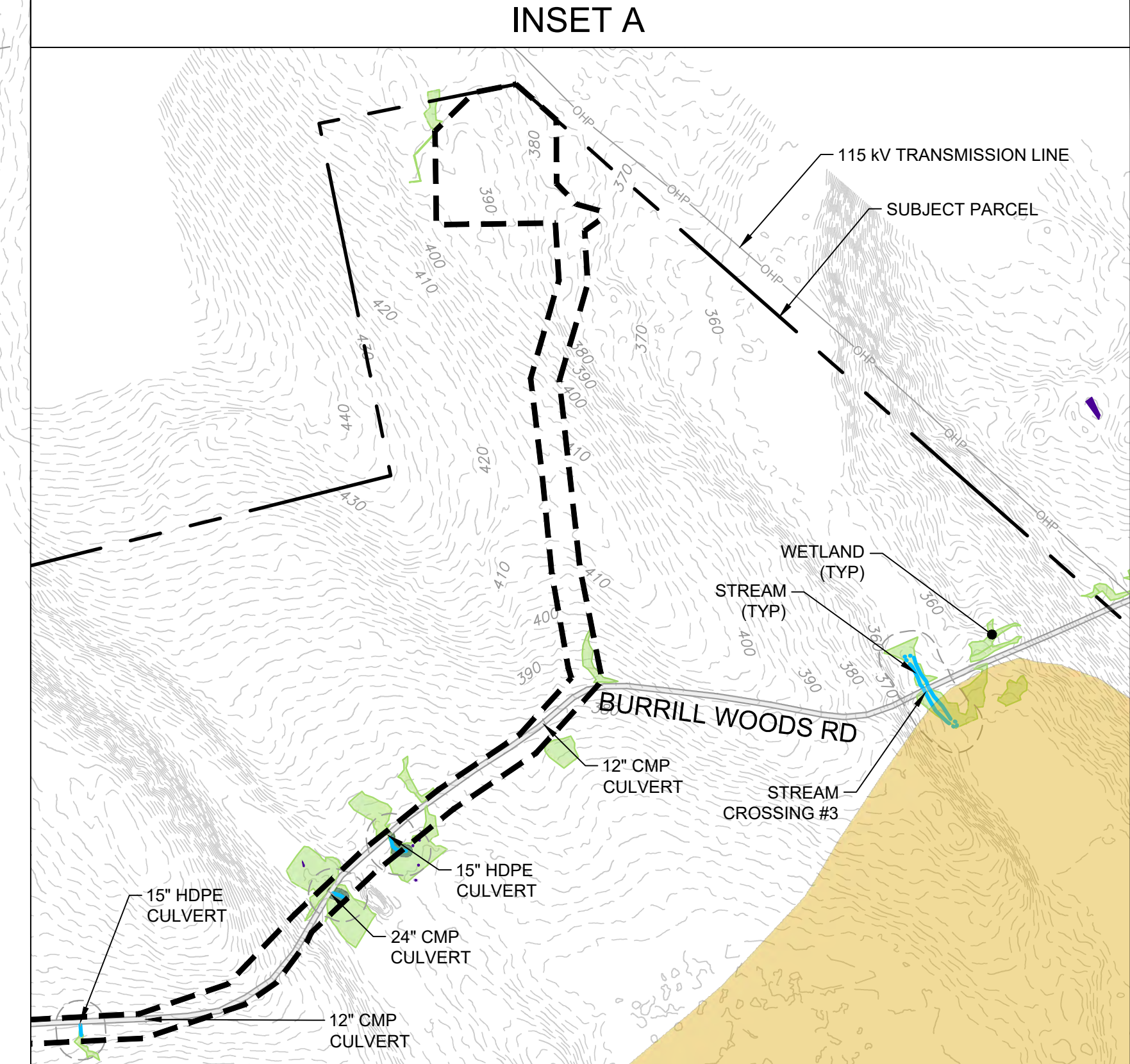
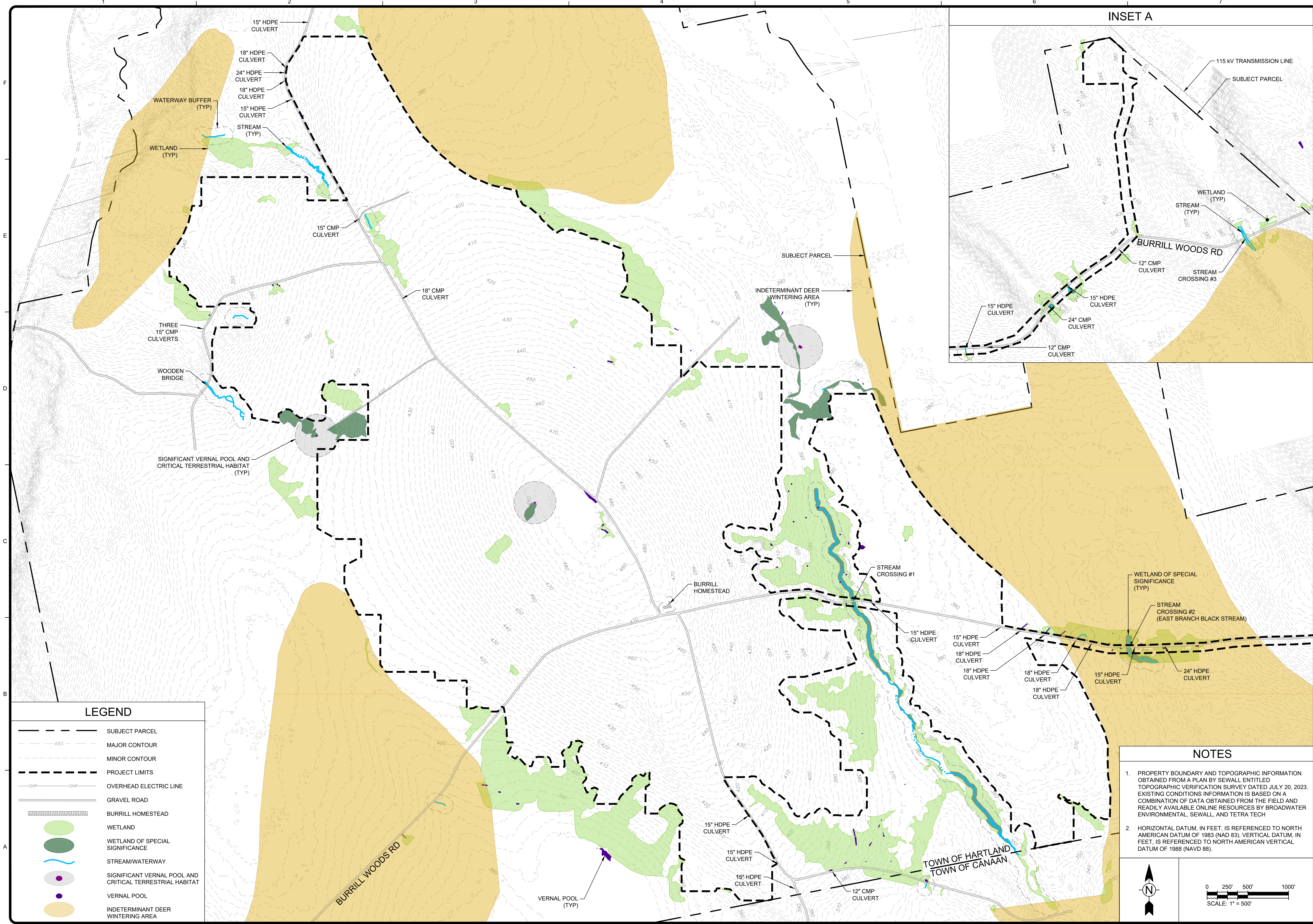
**LOCUS:**



SHEET NO.	SHEET TITLE
	COVER SHEET
C-1	OVERALL EXISTING CONDITIONS PLAN
C-2	OVERALL TEMPORARY PERIMETER CONTROL PLAN
C-3	OVERALL SITE PLAN
C-4 TO C24	DETAILED SITE PLANS
C-25	PROJECT SUBSTATION SITE PLAN
C-26	CMP SUBSTATION SITE PLAN
C-27 TO C-28	EROSION AND SEDIMENTATION CONTROL PLANS



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LEGEND	
	SUBJECT PARCEL
	MAJOR CONTOUR
	MINOR CONTOUR
	PROJECT LIMITS
	OVERHEAD ELECTRIC LINE
	GRAVEL ROAD
	BURRILL HOMESTEAD
	WETLAND
	WETLAND OF SPECIAL SIGNIFICANCE
	STREAM/WATERWAY
	SIGNIFICANT VERNAL POOL AND CRITICAL TERRESTRIAL HABITAT
	VERNAL POOL
	INDETERMINANT DEER WINTERING AREA

**NOTES**

- PROPERTY BOUNDARY AND TOPOGRAPHIC INFORMATION OBTAINED FROM A PLAN BY SEWALL ENTITLED TOPOGRAPHIC VERIFICATION SURVEY DATED JULY 20, 2023. EXISTING CONDITIONS INFORMATION IS BASED ON A COMBINATION OF DATA OBTAINED FROM THE FIELD AND READILY AVAILABLE ONLINE RESOURCES BY BROADWATER ENVIRONMENTAL, SEWALL, AND TETRA TECH
- HORIZONTAL DATUM, IN FEET, IS REFERENCED TO NORTH AMERICAN DATUM OF 1983 (NAD 83). VERTICAL DATUM, IN FEET, IS REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).



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Harland Solar Facility, LLC  
 Harland Solar Project  
 Town of Harland, Somerset County, Maine  
 Maine DEP Permit Drawings  
**Overall Existing Conditions Plan**

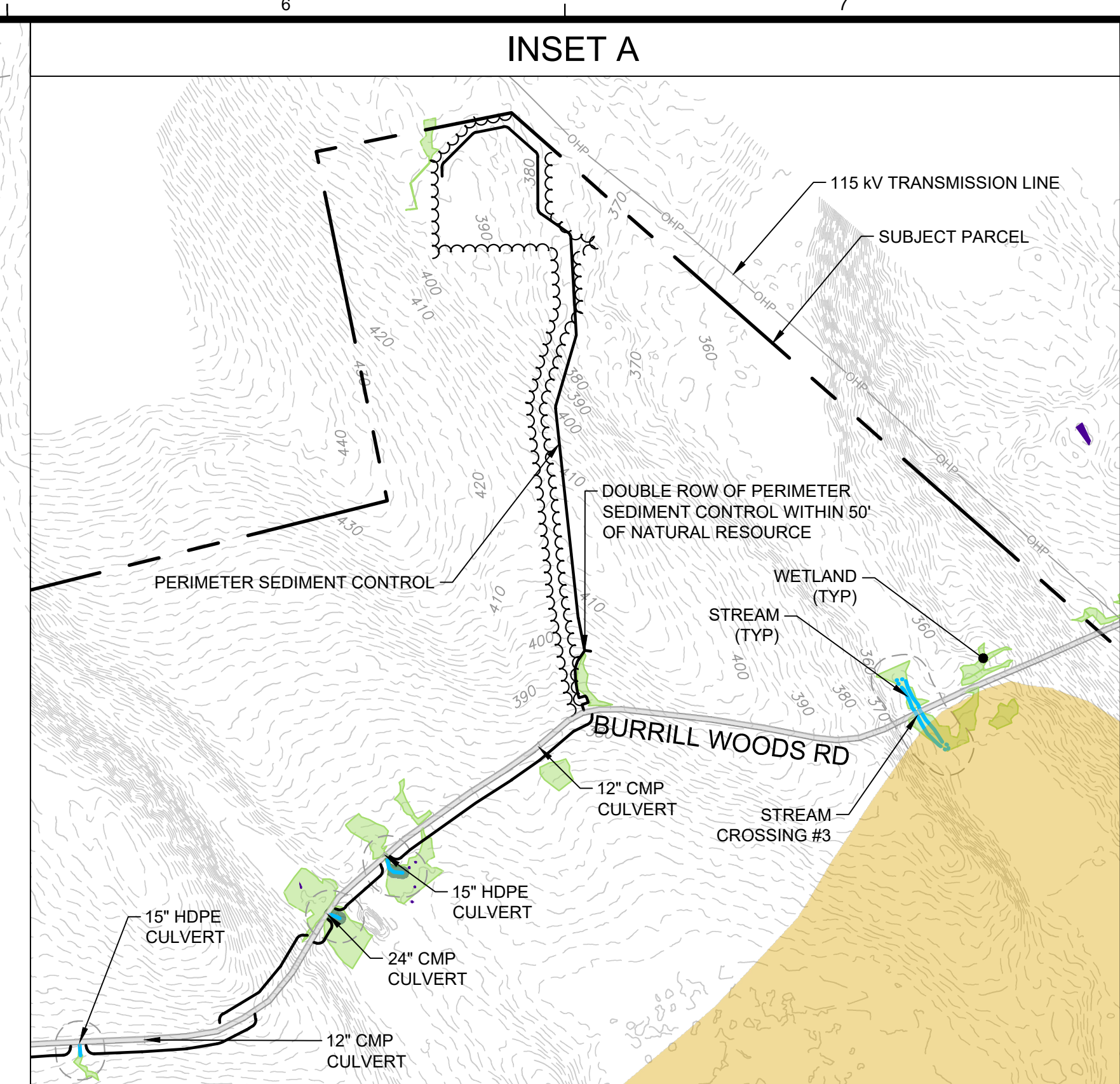
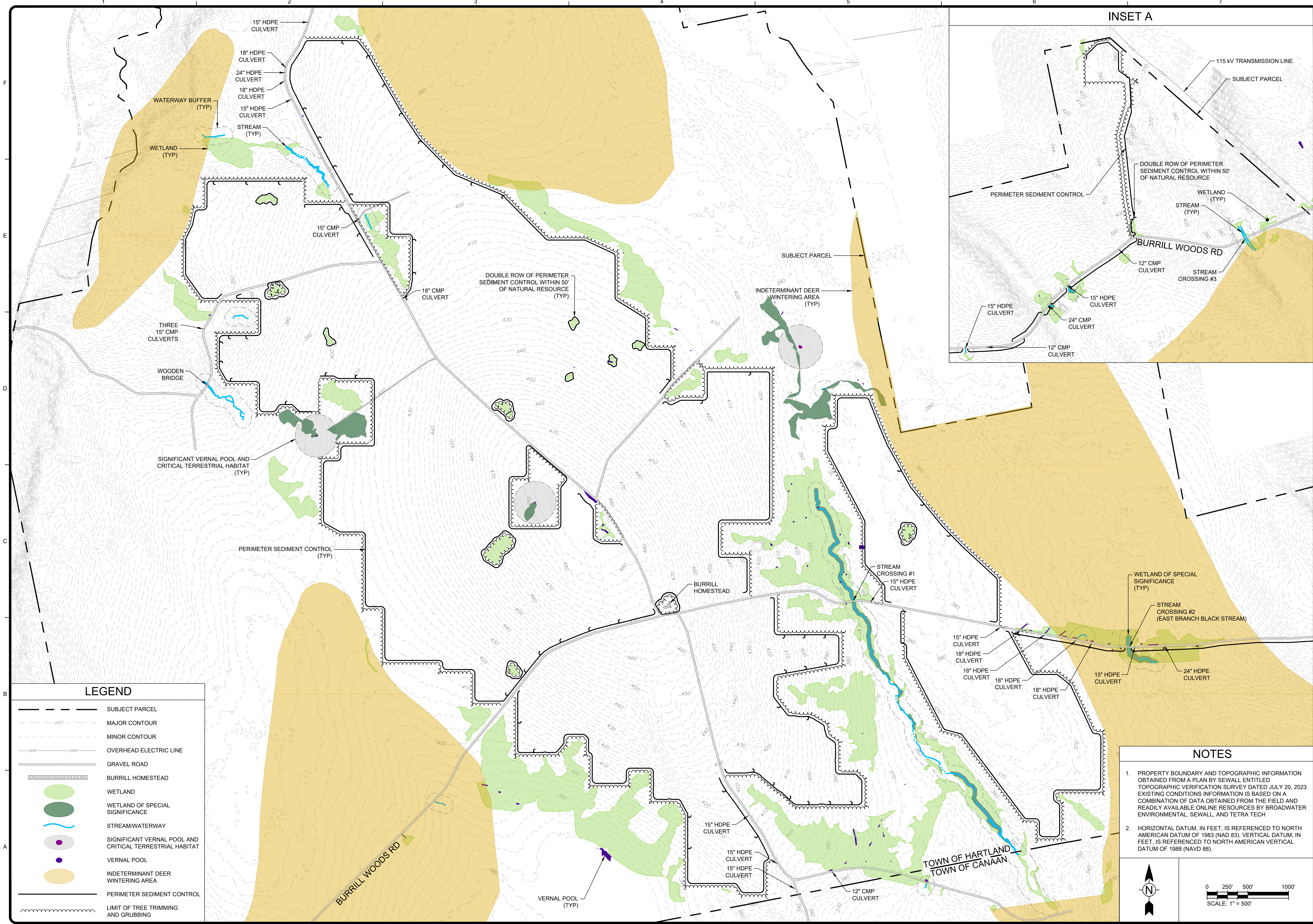
PROJ:	143-67639-21004
DESN:	NRK
DRWN:	AHS
CHKD:	MWM

**C-1**

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Bar Measures 1 inch, otherwise drawing not to scale

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LEGEND	
	SUBJECT PARCEL
	MAJOR CONTOUR
	MINOR CONTOUR
	OVERHEAD ELECTRIC LINE
	GRAVEL ROAD
	BURRILL HOMESTEAD
	WETLAND
	WETLAND OF SPECIAL SIGNIFICANCE
	STREAM/WATERWAY
	SIGNIFICANT VERNAL POOL AND CRITICAL TERRESTRIAL HABITAT
	VERNAL POOL
	INDETERMINANT DEER WINTERING AREA
	PERIMETER SEDIMENT CONTROL
	LIMIT OF TREE TRIMMING AND GRUBBING

**NOTES**

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Scale: 1" = 500'

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**TETRA TECH**

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451 Presumpscot Street  
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MATTHEW W. MOYEN  
No. 18213  
PROFESSIONAL ENGINEER  
12-15-2023

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BY: MWM

Hartland Solar Facility, LLC  
Hartland Solar Project  
Town of Hartland, Somerset County, Maine  
Maine DEP Permit Drawings

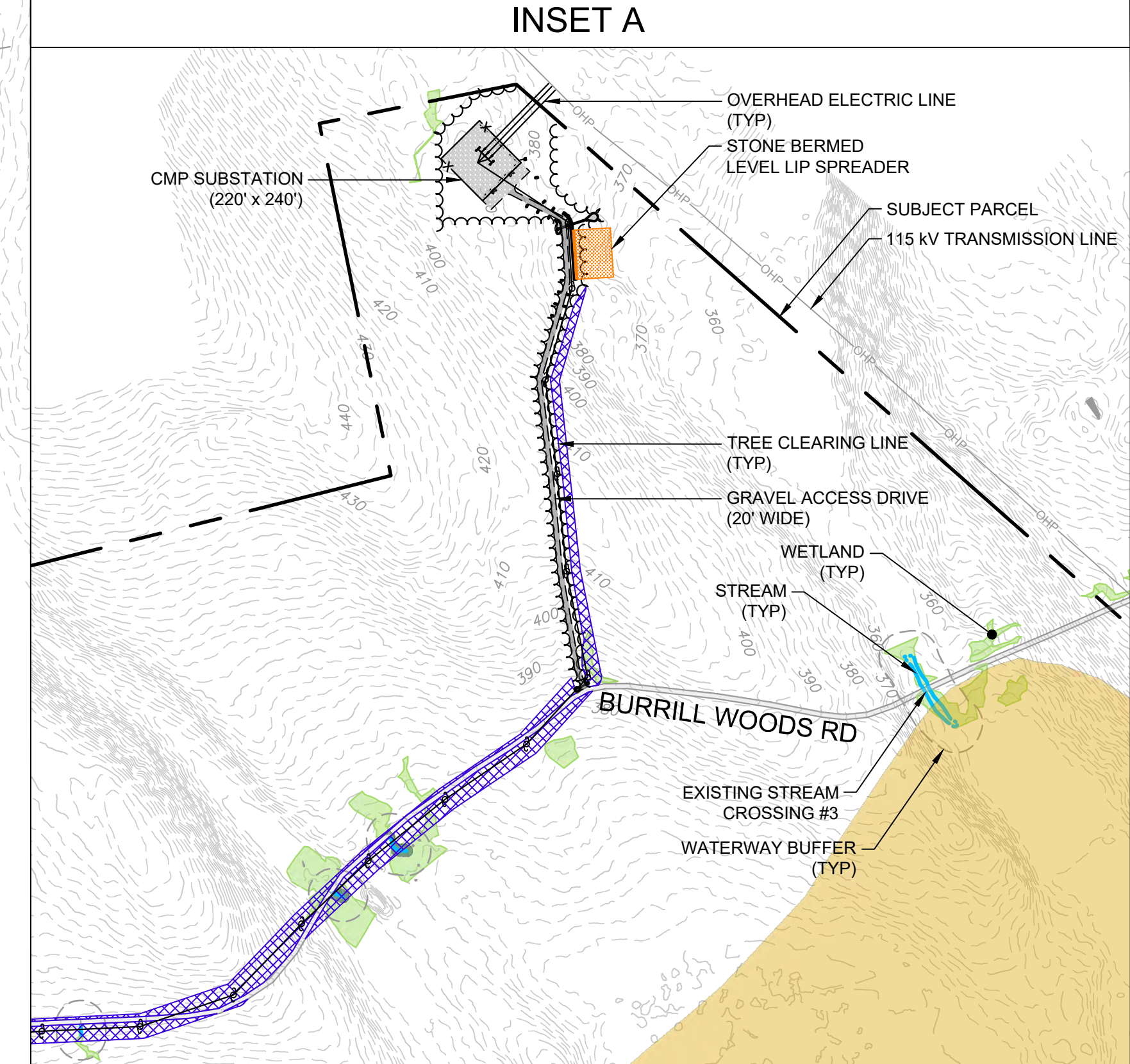
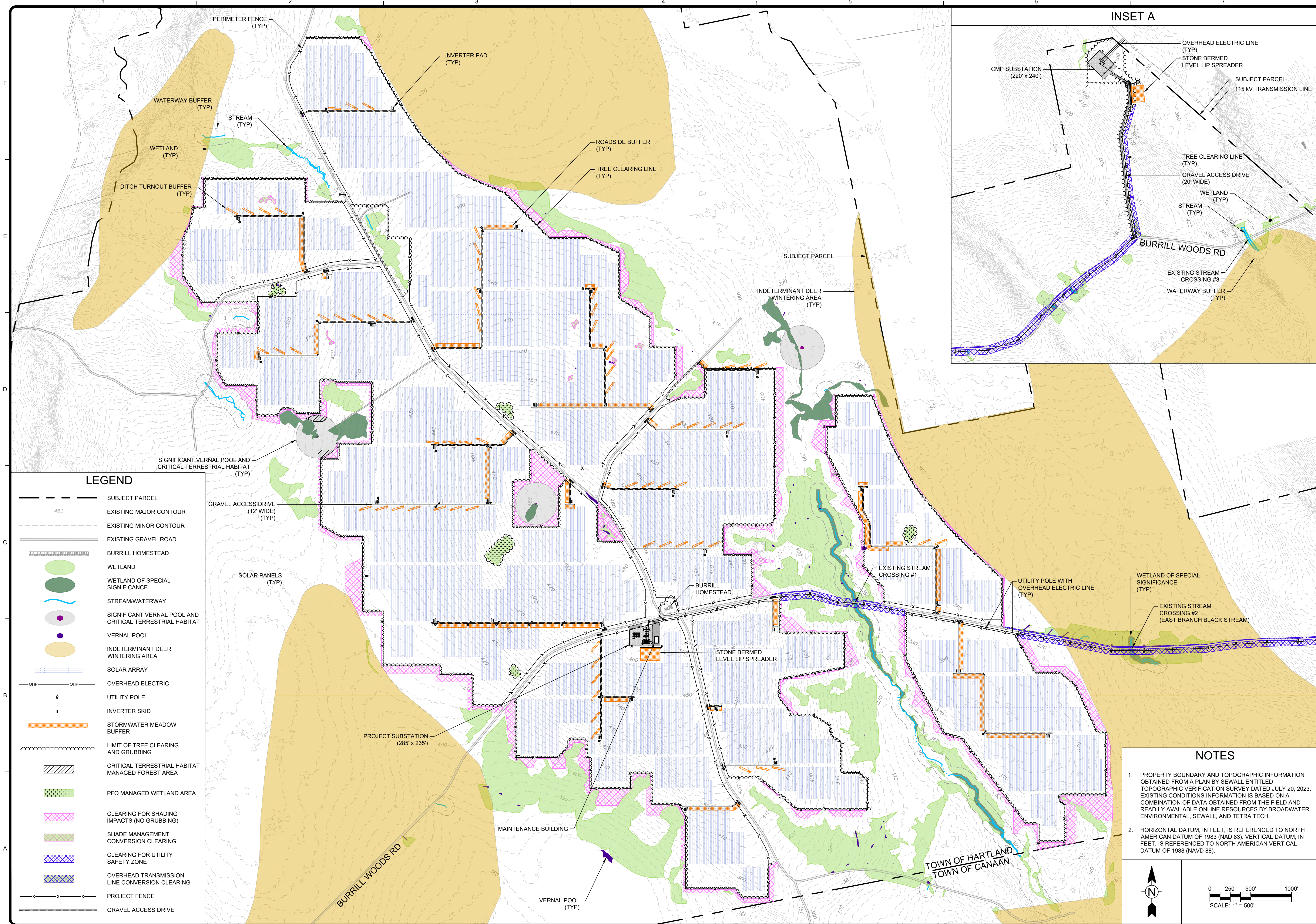
**Overall Temporary Perimeter Control Plan**

PROJ:	143-67639-21004
DESN:	NRK
DRWN:	AHS
CHKD:	MWM

**C-2**

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Hartland Solar Facility, LLC  
Hartland Solar Project  
Town of Hartland, Somerset County, Maine  
Maine DEP Permit Drawings

PROJ: 143-67639-21004  
DES: NRK  
DRWN: AHS  
CHKD: MWM

**C-3**

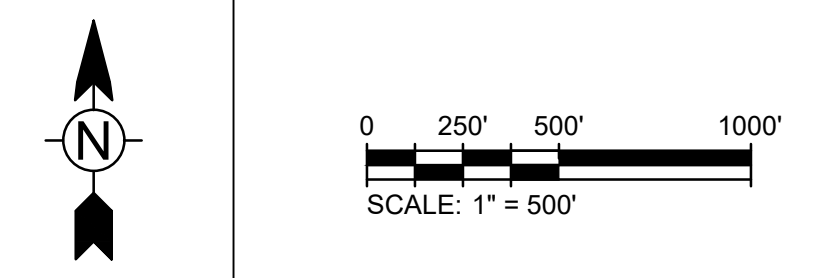
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### LEGEND

- SUBJECT PARCEL
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING GRAVEL ROAD
- BURRILL HOMESTEAD
- WETLAND
- WETLAND OF SPECIAL SIGNIFICANCE
- STREAM/WATERWAY
- SIGNIFICANT VERNAL POOL AND CRITICAL TERRESTRIAL HABITAT
- VERNAL POOL
- INDETERMINANT DEER WINTERING AREA
- SOLAR ARRAY
- OVERHEAD ELECTRIC
- UTILITY POLE
- INVERTER SKID
- STORMWATER MEADOW BUFFER
- LIMIT OF TREE CLEARING AND GRUBBING
- CRITICAL TERRESTRIAL HABITAT MANAGED FOREST AREA
- PFO MANAGED WETLAND AREA
- CLEARING FOR SHADING IMPACTS (NO GRUBBING)
- SHADE MANAGEMENT CONVERSION CLEARING
- CLEARING FOR UTILITY SAFETY ZONE
- OVERHEAD TRANSMISSION LINE CONVERSION CLEARING
- PROJECT FENCE
- GRAVEL ACCESS DRIVE

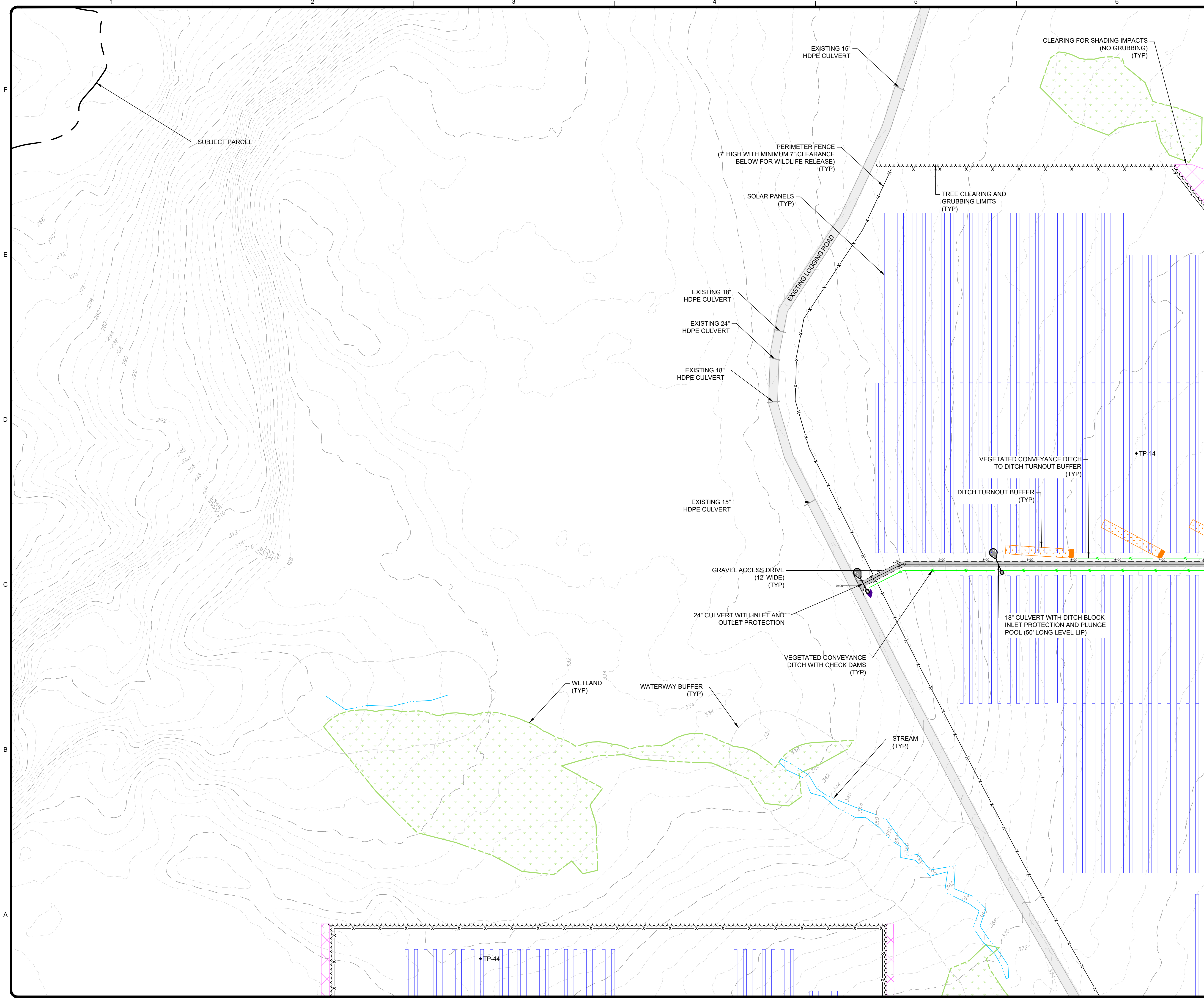
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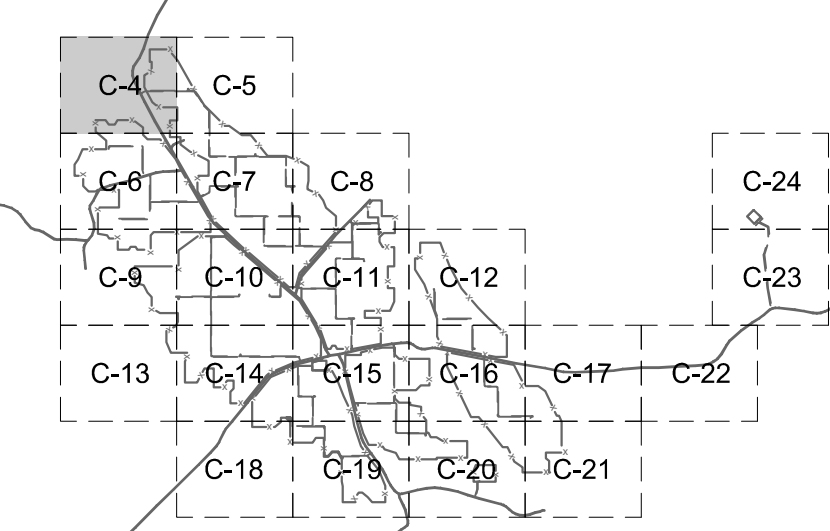


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### KEY PLAN

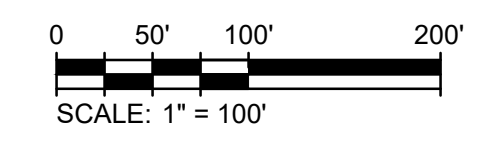
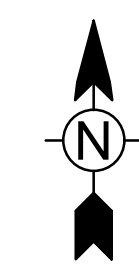


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2. ALL AREAS DISTURBED DURING CONSTRUCTION THAT ARE NOT SCHEDULED FOR IMPROVEMENTS SHALL BE LOAM AND SEEDED WITH A NATIVE SEEDING MIX AND RESTORED TO THEIR ORIGINAL CONDITION.

### LEGEND

- SUBJECT PARCEL
- 480' EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING GRAVEL ROAD
- BURRILL HOMESTEAD
- WETLAND
- WETLAND OF SPECIAL SIGNIFICANCE
- STREAM/WATERWAY
- SIGNIFICANT VERNAL POOL AND CRITICAL TERRESTRIAL HABITAT
- VERNAL POOL
- INDETERMINANT DEER WINTERING AREA
- SOLAR ARRAY
- OVERHEAD ELECTRIC
- SOIL TEST LOCATION
- UTILITY POLE
- INVERTER SKID
- STORMWATER MEADOW BUFFER
- VEGETATED CONVEYANCE DITCH
- LIMIT OF TREE CLEARING AND GRUBBING
- CRITICAL TERRESTRIAL HABITAT MANAGED FOREST AREA
- PFO MANAGED WETLAND AREA
- CLEARING FOR SHADING IMPACTS (NO GRUBBING)
- SHADE MANAGEMENT CONVERSION CLEARING
- CLEARING FOR UTILITY SAFETY ZONE
- OVERHEAD TRANSMISSION LINE CONVERSION CLEARING
- PROJECT FENCE
- PROPOSED GRAVEL DRIVE



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STATE OF MAINE  
MATTHEW W. MOYEN  
No. 18213  
PROFESSIONAL ENGINEER  
12-15-2023

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1	12/15/23	ISSUE FOR PERMIT	MWM

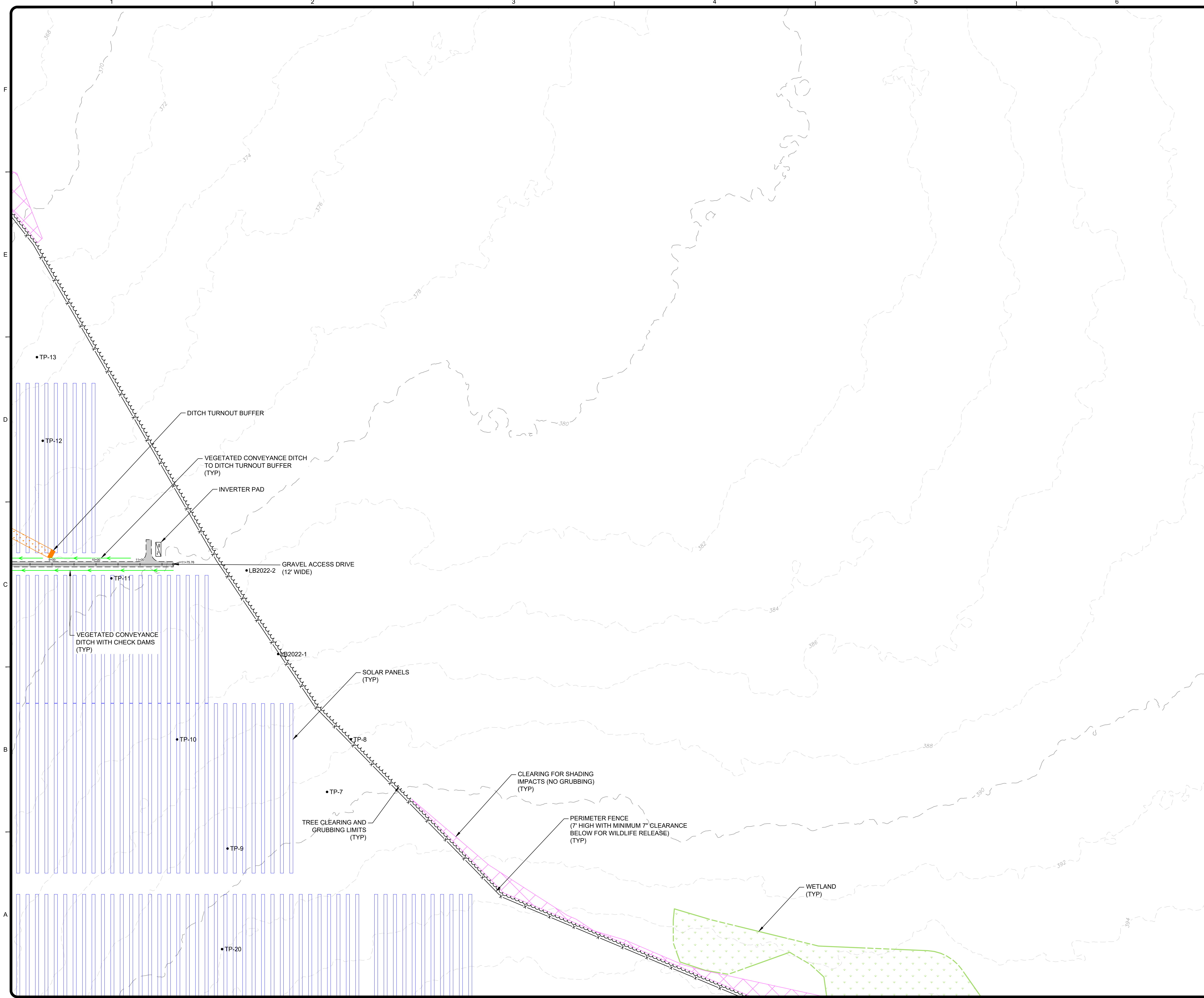
Hartland Solar Facility, LLC  
Hartland Solar Project  
Town of Hartland, Somerset County, Maine  
Maine DEP Permit Drawings  
**Detailed Site Plan**

PROJ:	143-67639-21004
DESN:	NRK
DRWN:	AHS
CHKD:	MWM

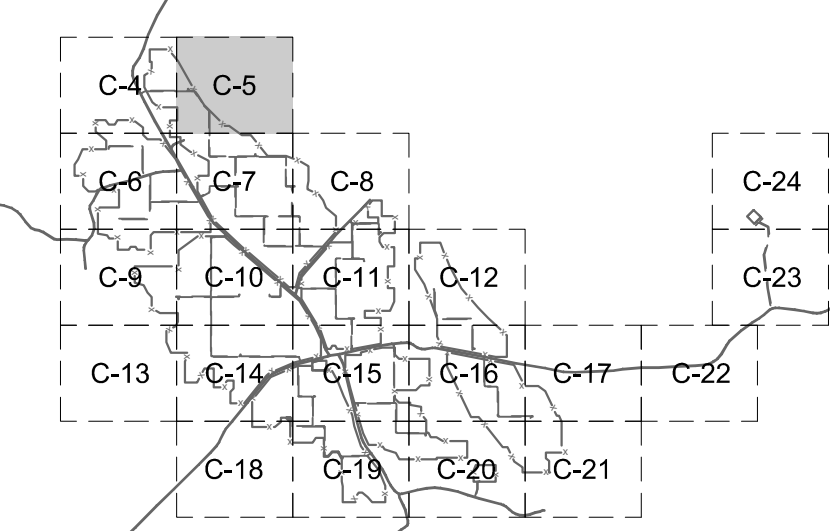
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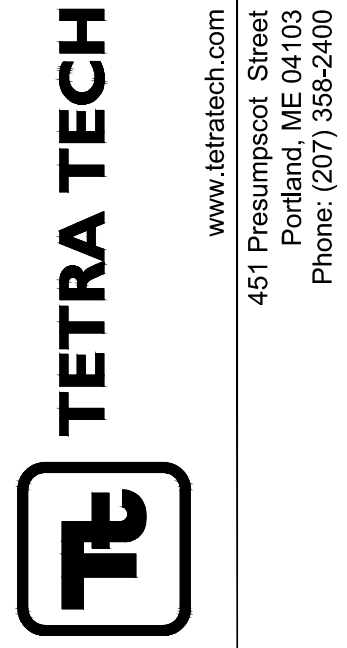
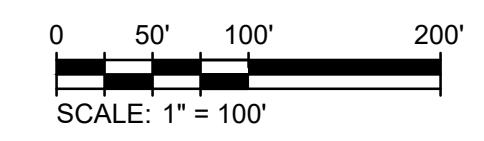
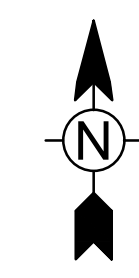


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LEGEND

- SUBJECT PARCEL
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING GRAVEL ROAD
- BURRILL HOMESTEAD
- WETLAND
- WETLAND OF SPECIAL SIGNIFICANCE
- STREAM/WATERWAY
- SIGNIFICANT VERNAL POOL AND CRITICAL TERRESTRIAL HABITAT
- VERNAL POOL
- INDETERMINANT DEER WINTERING AREA
- SOLAR ARRAY
- OVERHEAD ELECTRIC
- SOIL TEST LOCATION
- UTILITY POLE
- INVERTER SKID
- STORMWATER MEADOW BUFFER
- VEGETATED CONVEYANCE DITCH
- LIMIT OF TREE CLEARING AND GRUBBING
- CRITICAL TERRESTRIAL HABITAT MANAGED FOREST AREA
- PFO MANAGED WETLAND AREA
- CLEARING FOR SHADING IMPACTS (NO GRUBBING)
- SHADE MANAGEMENT CONVERSION CLEARING
- CLEARING FOR UTILITY SAFETY ZONE
- OVERHEAD TRANSMISSION LINE CONVERSION CLEARING
- PROJECT FENCE
- PROPOSED GRAVEL DRIVE



MARK	DATE	DESCRIPTION
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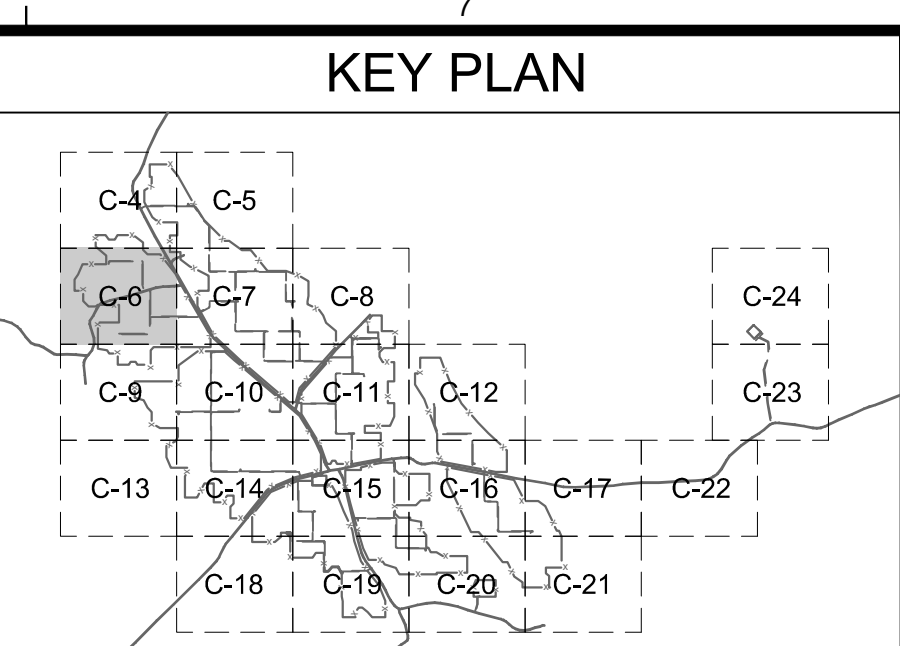
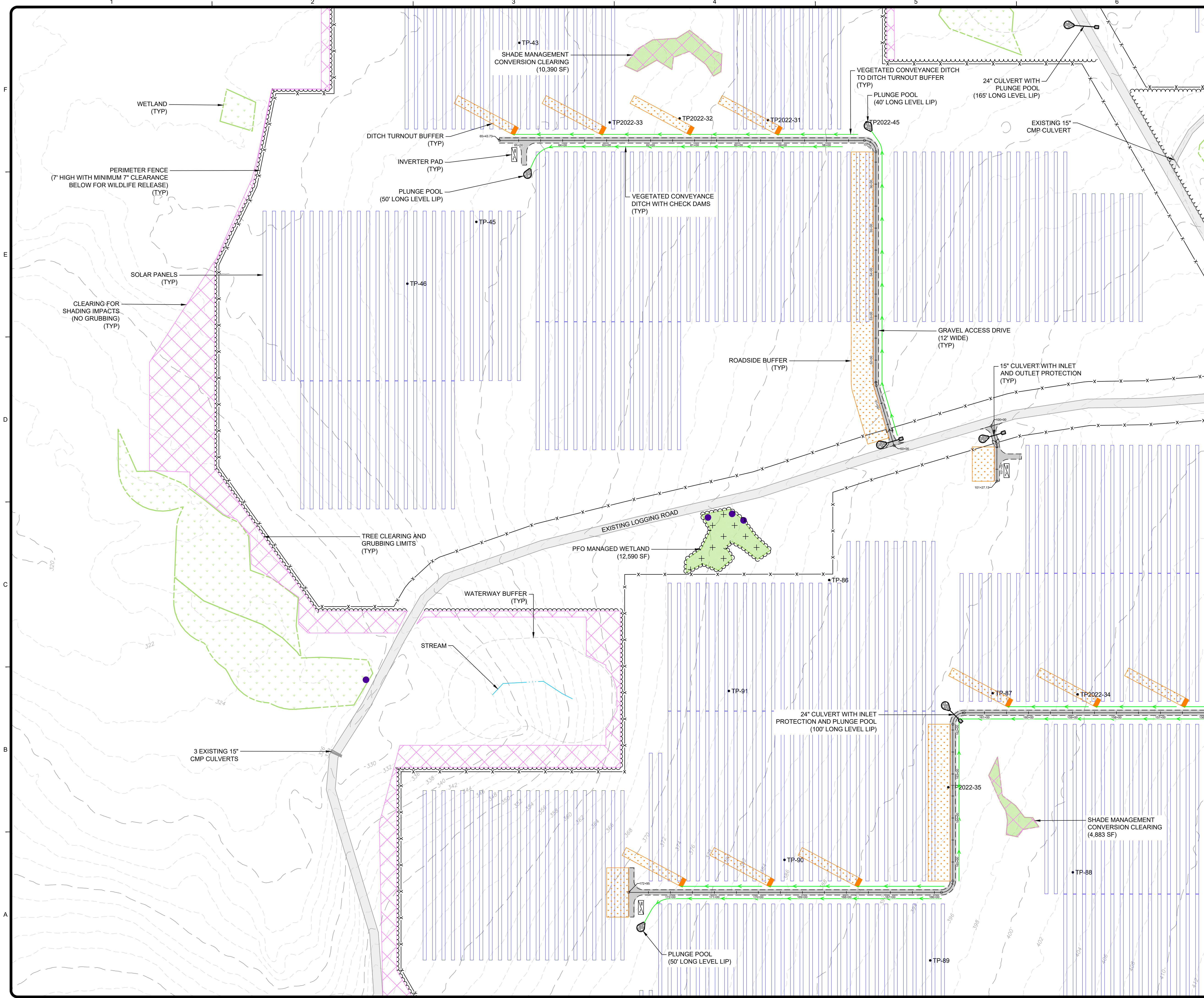
Hartland Solar Facility, LLC  
 Hartland Solar Project  
 Town of Hartland, Somerset County, Maine  
 Maine DEP Permit Drawings

PROJ:	143-67639-21004
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C-5

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**LEGEND**

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	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING GRAVEL ROAD
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	WETLAND
	WETLAND OF SPECIAL SIGNIFICANCE
	STREAM/WATERWAY
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	SOLAR ARRAY
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	SHADE MANAGEMENT CONVERSION CLEARING
	CLEARING FOR UTILITY SAFETY ZONE
	OVERHEAD TRANSMISSION LINE CONVERSION CLEARING
	PROJECT FENCE
	PROPOSED GRAVEL DRIVE

**MARK** 1

MARK	DATE	DESCRIPTION
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BY: MWM

PROJ: 143-67639-21004  
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CHKD: MWM

**C-6**

Scale: 1" = 100'

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Portland, ME 04103  
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STATE OF MAINE  
MATTHEW W. MOYEN  
No. 18213  
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12-15-2023

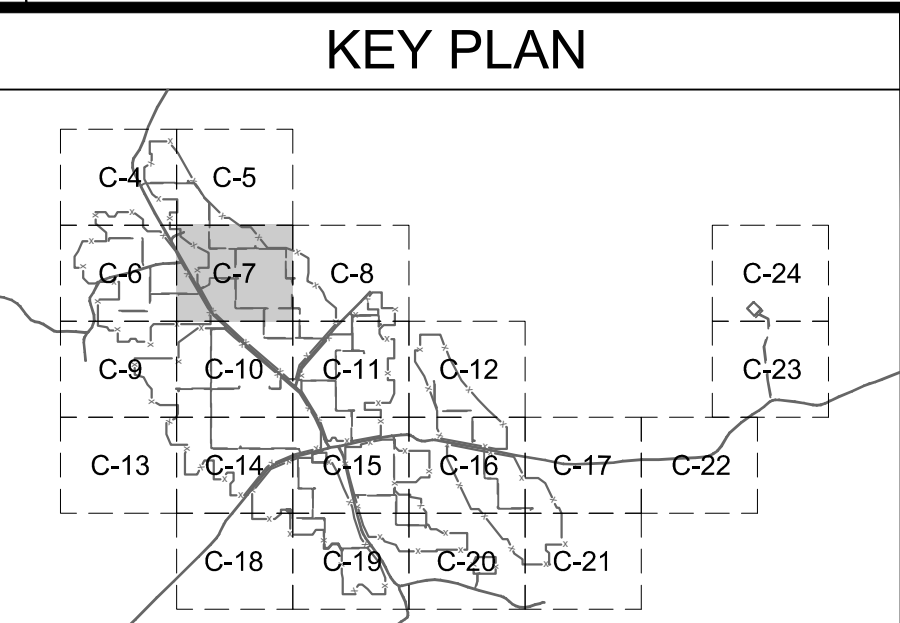
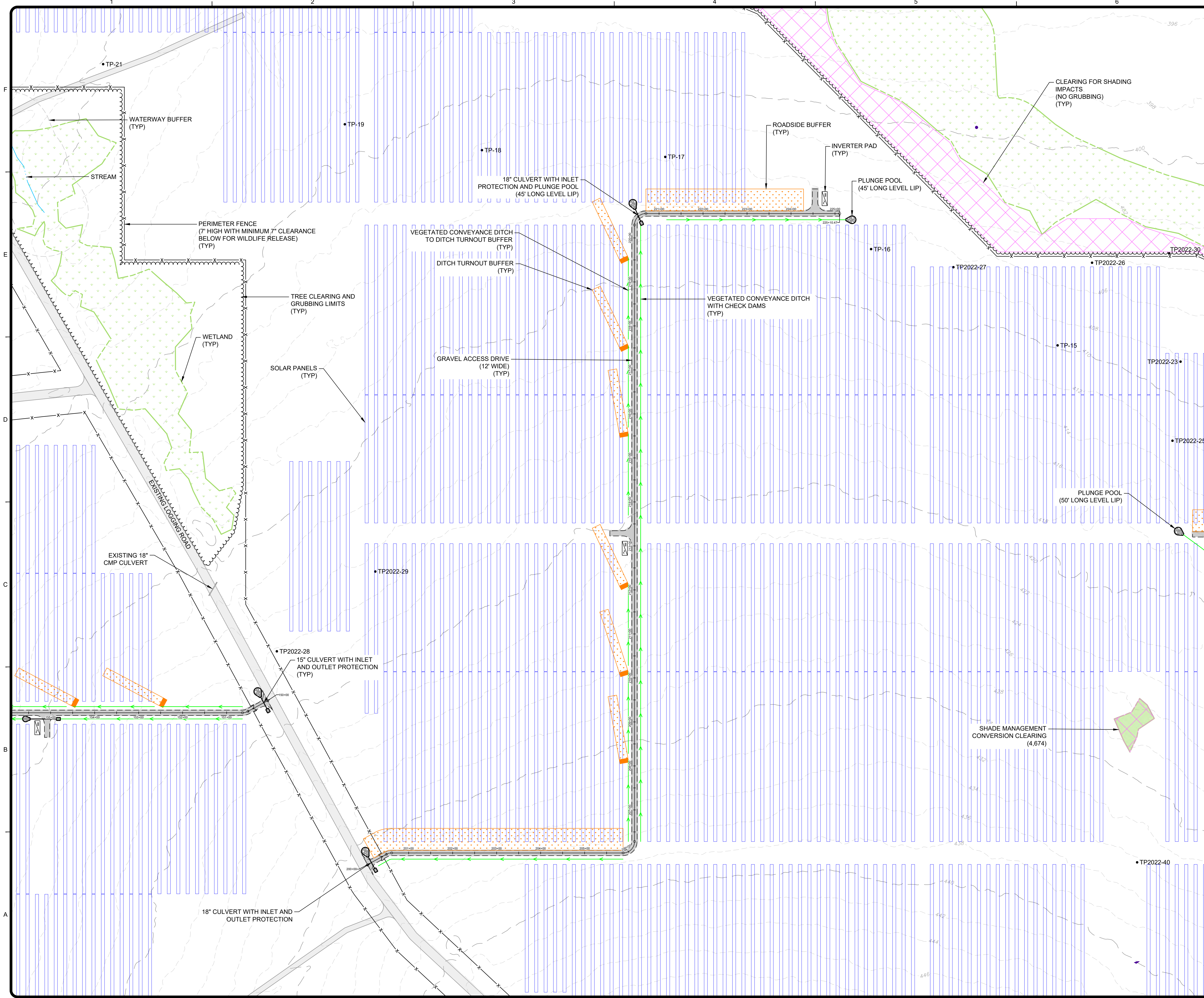
Hartland Solar Facility, LLC  
Hartland Solar Project  
Town of Hartland, Somerset County, Maine  
Maine DEP Permit Drawings

**Detailed Site Plan**

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### NOTES

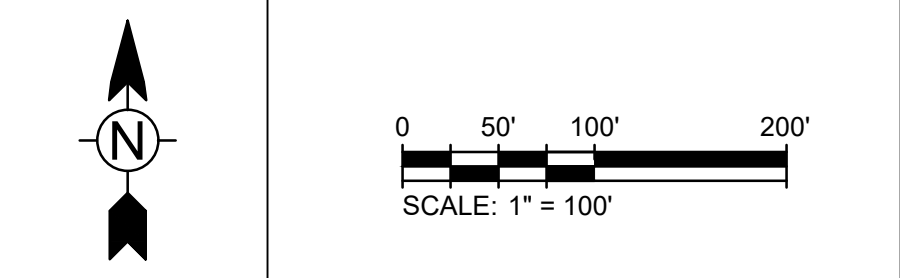
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### LEGEND

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	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING GRAVEL ROAD
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	WETLAND
	WETLAND OF SPECIAL SIGNIFICANCE
	STREAM/WATERWAY
	SIGNIFICANT VERNAL POOL AND CRITICAL TERRESTRIAL HABITAT
	VERNAL POOL
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	SOLAR ARRAY
	OVERHEAD ELECTRIC
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	PROJECT FENCE
	PROPOSED GRAVEL DRIVE

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MWM		

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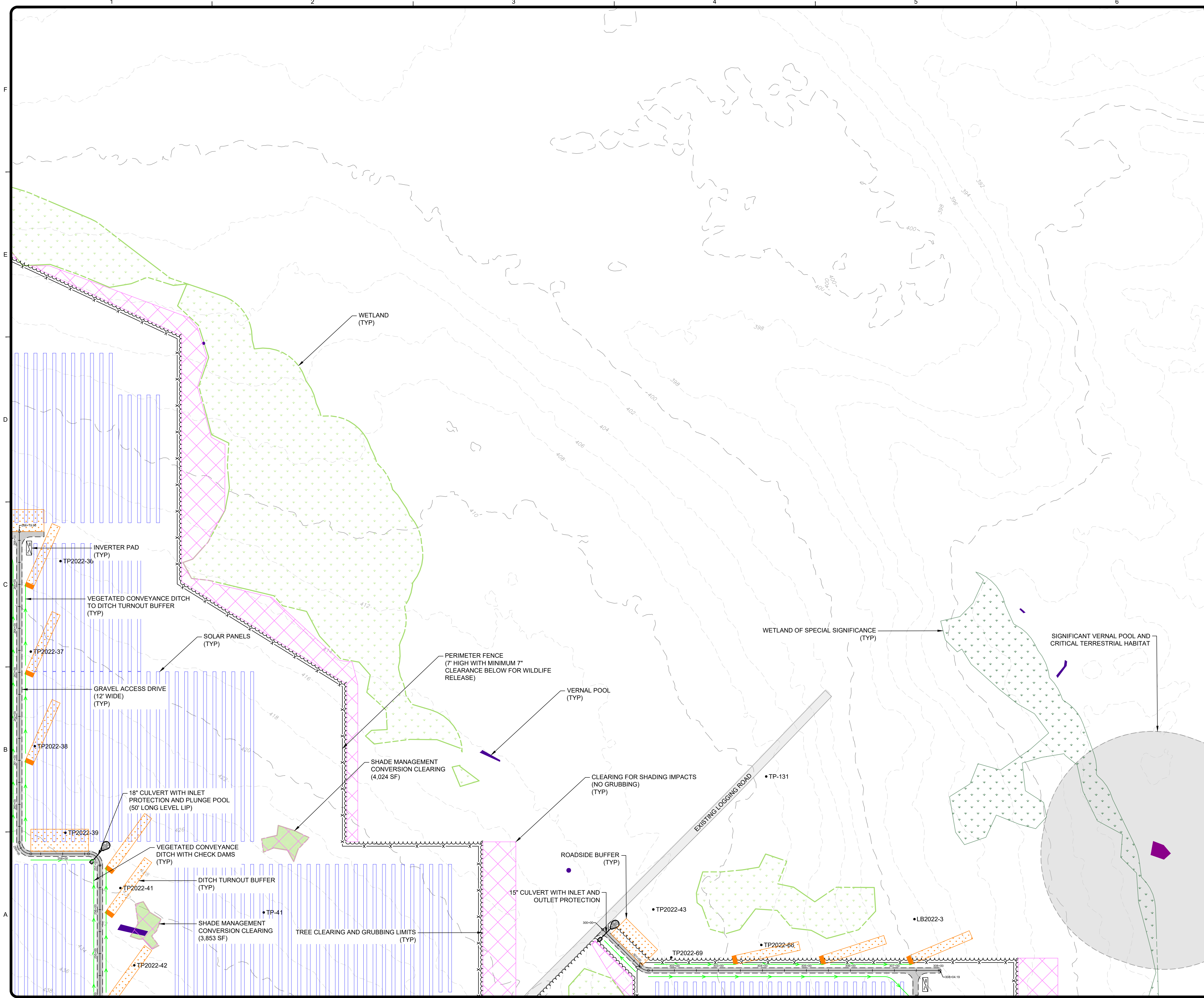
Harland Solar Facility, LLC  
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C-7

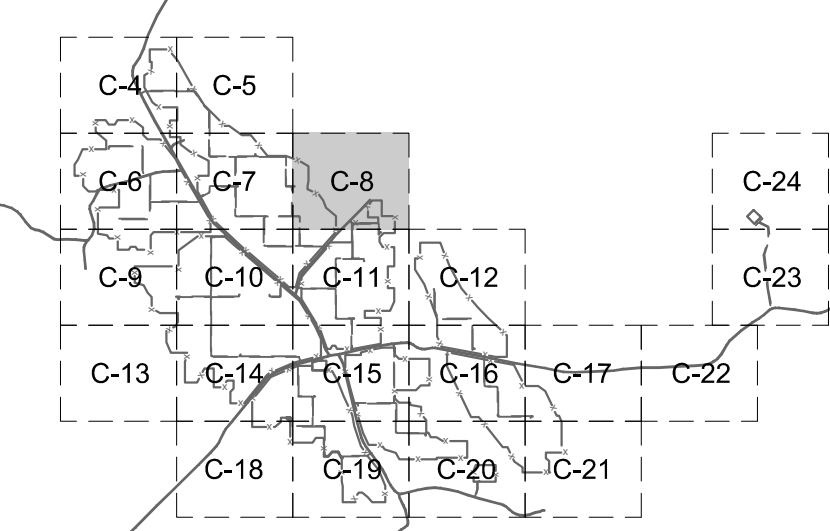
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KEY PLAN

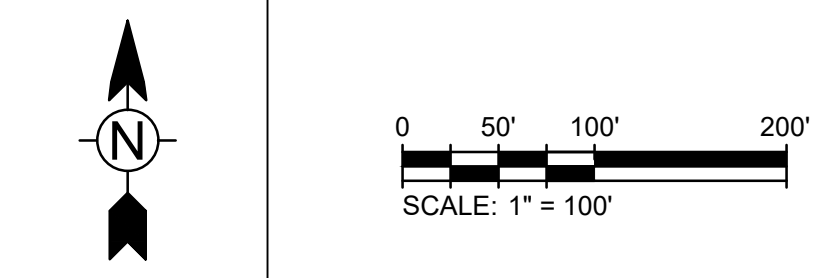


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LEGEND

- SUBJECT PARCEL
- - - 480 - - - EXISTING MAJOR CONTOUR
- - - EXISTING MINOR CONTOUR
- EXISTING GRAVEL ROAD
- BURRILL HOMESTEAD
- WETLAND
- WETLAND OF SPECIAL SIGNIFICANCE
- STREAM/WATERWAY
- SIGNIFICANT VERNAL POOL AND CRITICAL TERRESTRIAL HABITAT
- VERNAL POOL
- INDETERMINANT DEER WINTERING AREA
- SOLAR ARRAY
- OVERHEAD ELECTRIC
- TP-131 SOIL TEST LOCATION
- UTILITY POLE
- INVERTER SKID
- STORMWATER MEADOW BUFFER
- VEGETATED CONVEYANCE DITCH
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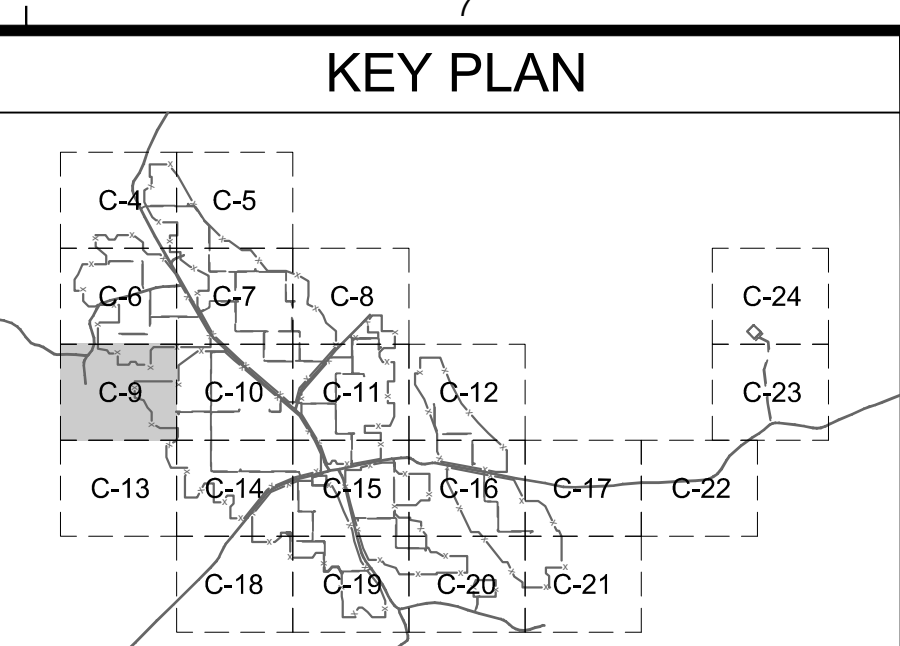
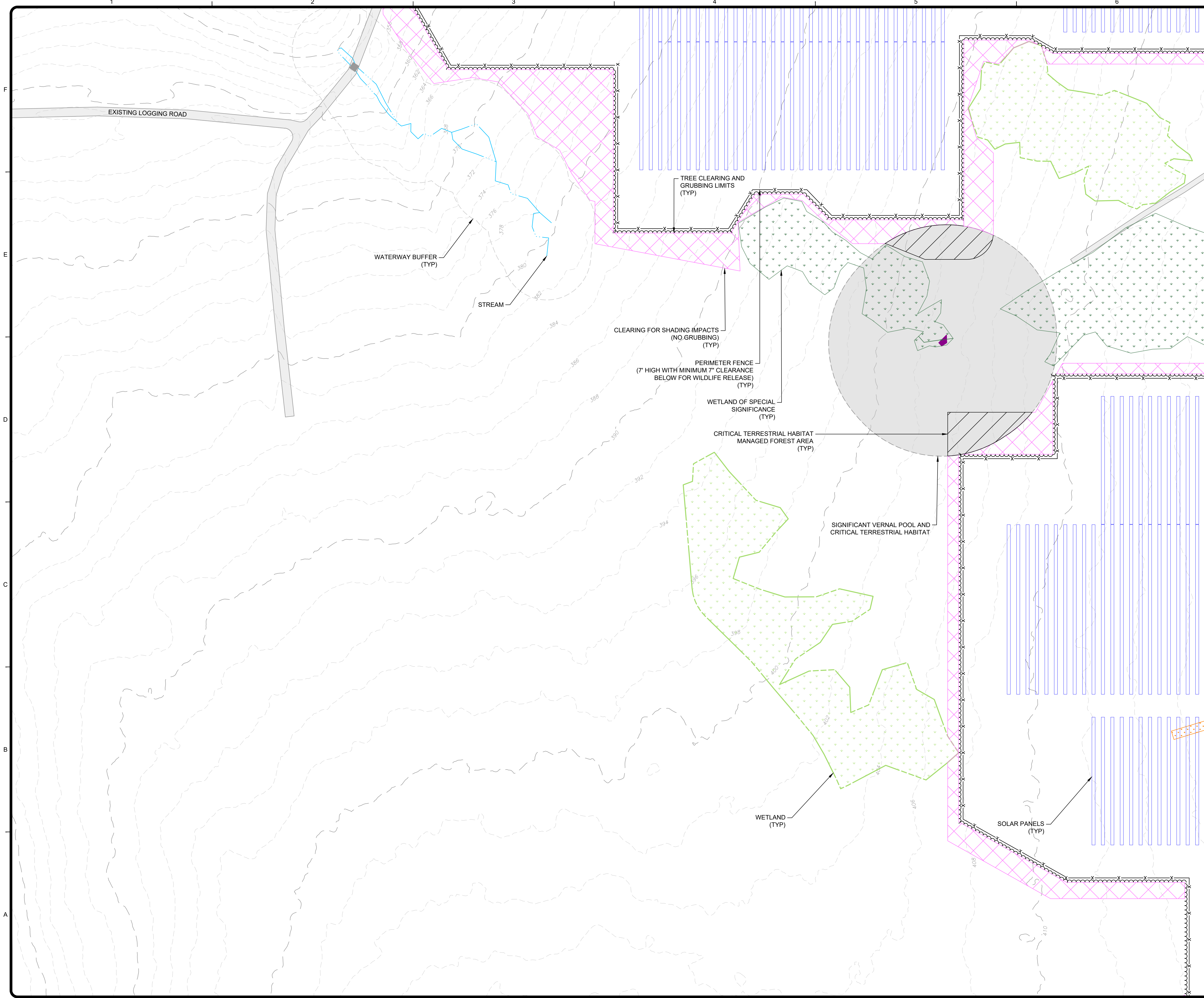
Hartland Solar Facility, LLC  
Hartland Solar Project  
Town of Hartland, Somerset County, Maine  
Maine DEP Permit Drawings  
**Detailed Site Plan**

PROJ:	143-67639-21004
DESN:	NRK
DRWN:	AHS
CHKD:	MWM

**C-8**

Bar Measures 1 inch, otherwise drawing not to scale

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### NOTES

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### LEGEND

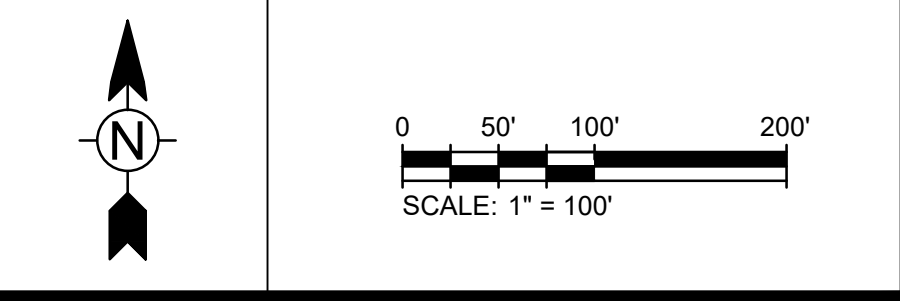
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	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING GRAVEL ROAD
	BURRILL HOMESTEAD
	WETLAND
	WETLAND OF SPECIAL SIGNIFICANCE
	STREAM/WATERWAY
	SIGNIFICANT VERNAL POOL AND CRITICAL TERRESTRIAL HABITAT
	VERNAL POOL
	INDETERMINANT DEER WINTERING AREA
	SOLAR ARRAY
	OVERHEAD ELECTRIC
	SOIL TEST LOCATION
	UTILITY POLE
	INVERTER SKID
	STORMWATER MEADOW BUFFER
	VEGETATED CONVEYANCE DITCH
	LIMIT OF TREE CLEARING AND GRUBBING
	CRITICAL TERRESTRIAL HABITAT MANAGED FOREST AREA
	PFO MANAGED WETLAND AREA
	CLEARING FOR SHADING IMPACTS (NO GRUBBING)
	SHADE MANAGEMENT CONVERSION CLEARING
	CLEARING FOR UTILITY SAFETY ZONE
	OVERHEAD TRANSMISSION LINE CONVERSION CLEARING
	PROJECT FENCE
	PROPOSED GRAVEL DRIVE

### MARK

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BY	DATE	DESCRIPTION
MWM		



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451 Presumpscot Street  
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Phone: (207) 355-2400

STATE OF MAINE  
MATTHEW W. MOTEN  
No. 18213  
PROFESSIONAL ENGINEER  
12-15-2023

MARK	DATE	DESCRIPTION
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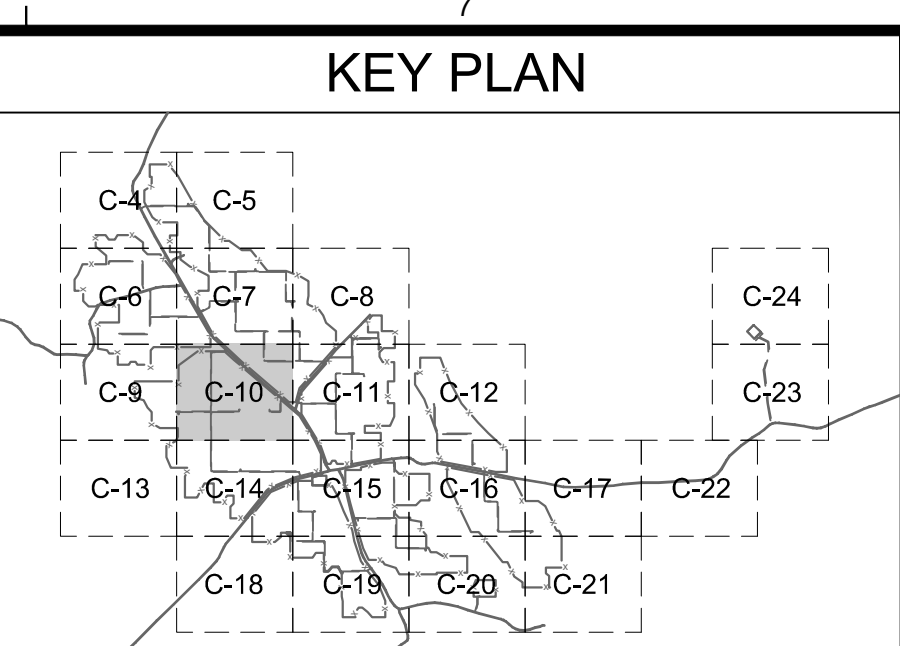
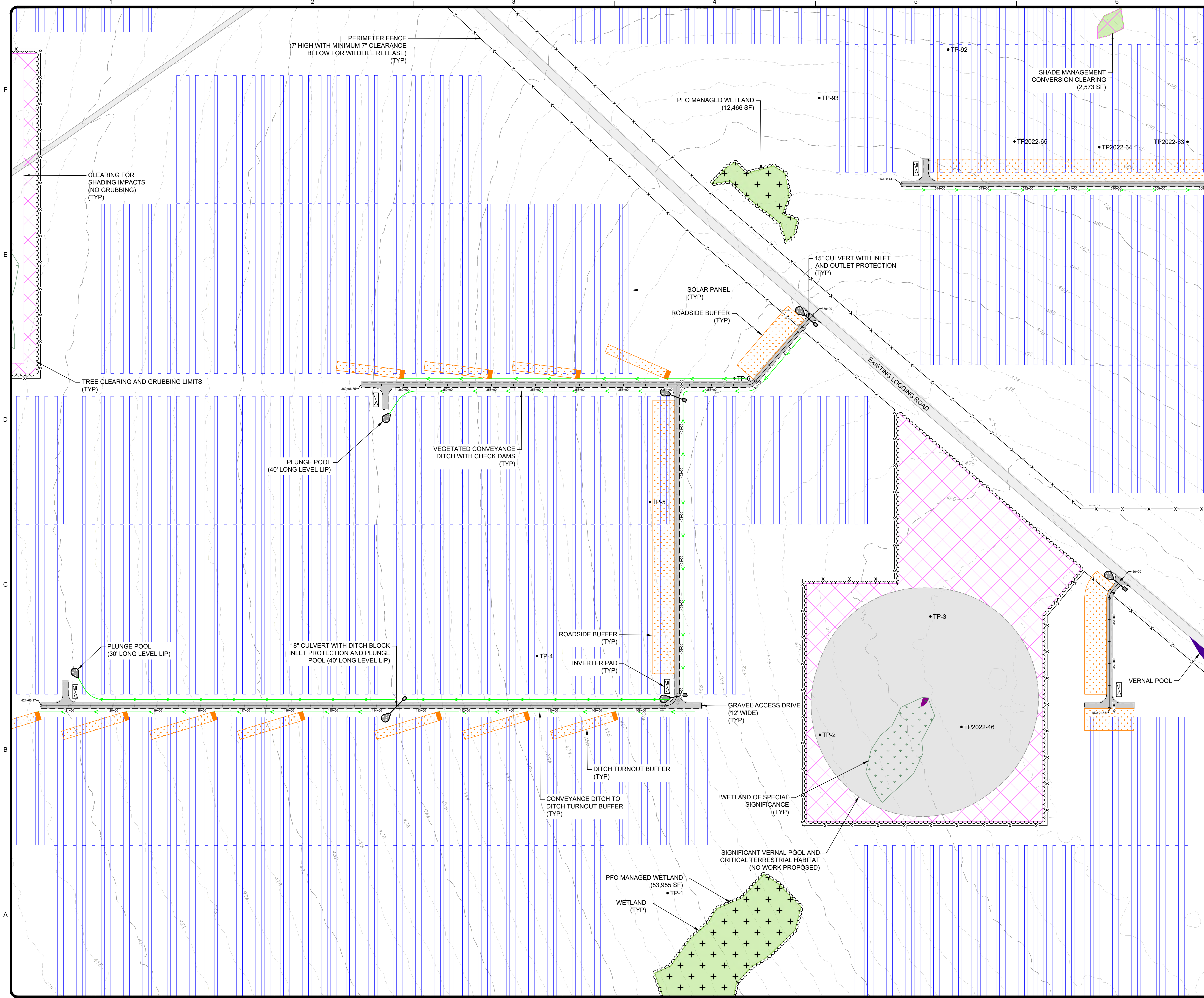
Hartland Solar Facility, LLC  
Hartland Solar Project  
Town of Hartland, Somerset County, Maine  
Maine DEP Permit Drawings  
**Detailed Site Plan**

PROJ:	143-67639-21004
DESN:	NRK
DRWN:	AHS
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**C-9**

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**LEGEND**

[Symbol]	SUBJECT PARCEL
[Symbol]	EXISTING MAJOR CONTOUR
[Symbol]	EXISTING MINOR CONTOUR
[Symbol]	EXISTING GRAVEL ROAD
[Symbol]	BURRILL HOMESTEAD
[Symbol]	WETLAND
[Symbol]	WETLAND OF SPECIAL SIGNIFICANCE
[Symbol]	STREAM/WATERWAY
[Symbol]	SIGNIFICANT VERNAL POOL AND CRITICAL TERRESTRIAL HABITAT
[Symbol]	VERNAL POOL
[Symbol]	INDETERMINATE DEER WINTERING AREA
[Symbol]	SOLAR ARRAY
[Symbol]	OVERHEAD ELECTRIC
[Symbol]	SOIL TEST LOCATION
[Symbol]	UTILITY POLE
[Symbol]	INVERTER SKID
[Symbol]	STORMWATER MEADOW BUFFER
[Symbol]	VEGETATED CONVEYANCE DITCH
[Symbol]	LIMIT OF TREE CLEARING AND GRUBBING
[Symbol]	CRITICAL TERRESTRIAL HABITAT MANAGED FOREST AREA
[Symbol]	PFO MANAGED WETLAND AREA
[Symbol]	CLEARING FOR SHADING IMPACTS (NO GRUBBING)
[Symbol]	SHADE MANAGEMENT CONVERSION CLEARING
[Symbol]	CLEARING FOR UTILITY SAFETY ZONE
[Symbol]	OVERHEAD TRANSMISSION LINE CONVERSION CLEARING
[Symbol]	PROJECT FENCE
[Symbol]	PROPOSED GRAVEL DRIVE

**MARK**

MARK	DATE	DESCRIPTION
1	12/15/23	ISSUE FOR PERMIT



**BY**

BY	DATE	DESCRIPTION
MWM		

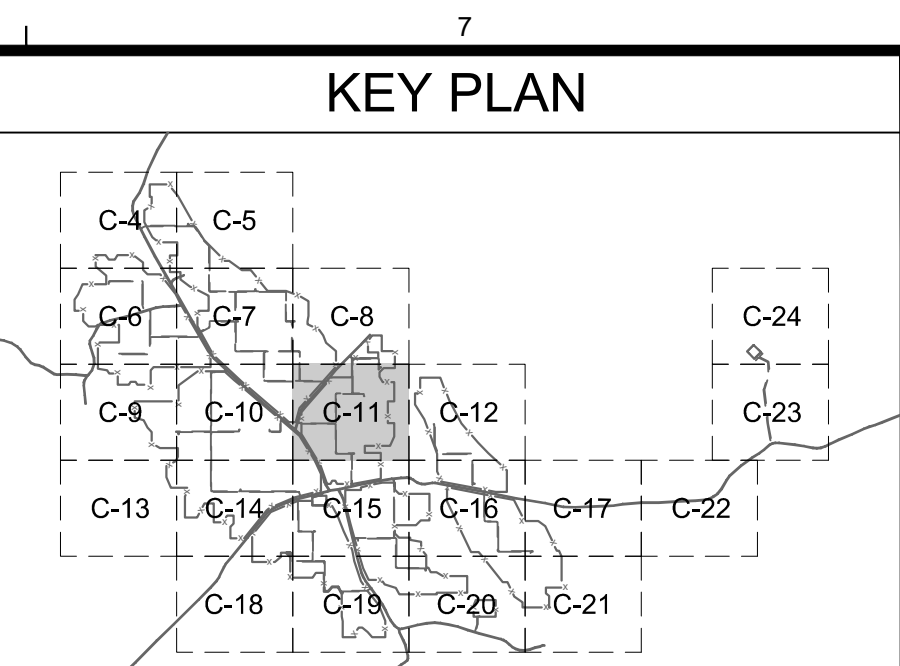
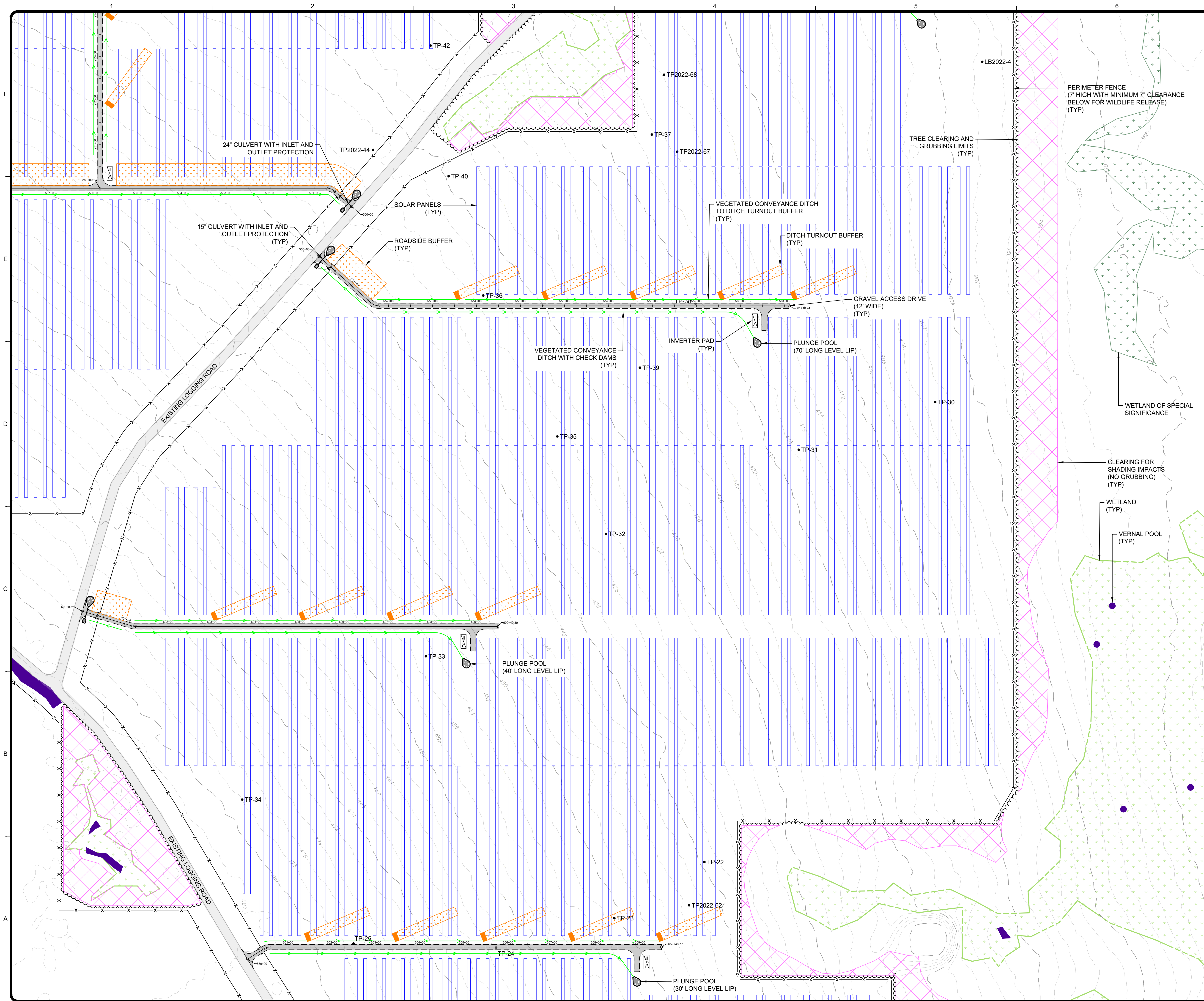
Hartland Solar Facility, LLC  
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Town of Hartland, Somerset County, Maine  
Maine DEP Permit Drawings  
**Detailed Site Plan**

PROJ:	143-67639-21004
DESN:	NRK
DRWN:	AHS
CHKD:	MWM

**C-10**

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**LEGEND**

- SUBJECT PARCEL
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING GRAVEL ROAD
- BURRILL HOMESTEAD
- WETLAND
- WETLAND OF SPECIAL SIGNIFICANCE
- STREAM/WATERWAY
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- PROJECT FENCE
- PROPOSED GRAVEL DRIVE

**BY:** MWM

MARK	DATE	DESCRIPTION
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**PROJ:** 143-67639-21004  
**DESN:** NRK  
**DRWN:** AHS  
**CHKD:** MWM

**Scale:** 0 50' 100' 200'  
 SCALE: 1" = 100'

**North Arrow**

**Bar Measures 1 inch, otherwise drawing not to scale**

**TETRA TECH**  
 www.tetrattech.com  
 451 Presumpscot Street  
 Portland, ME 04103  
 Phone: (207) 355-2400

**STATE OF MAINE**  
 MATTHEW W. MOTEN  
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 12-15-2023

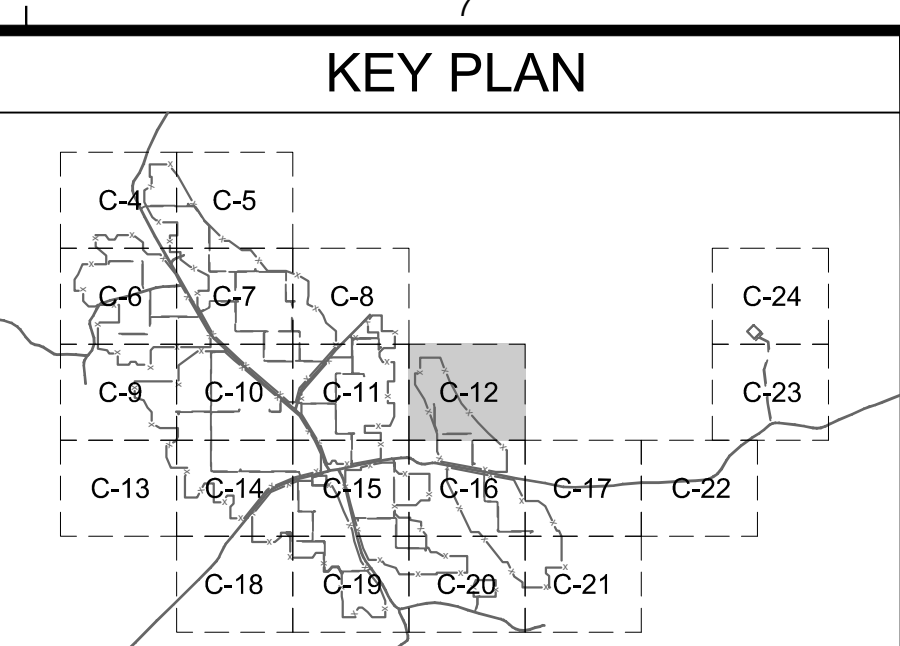
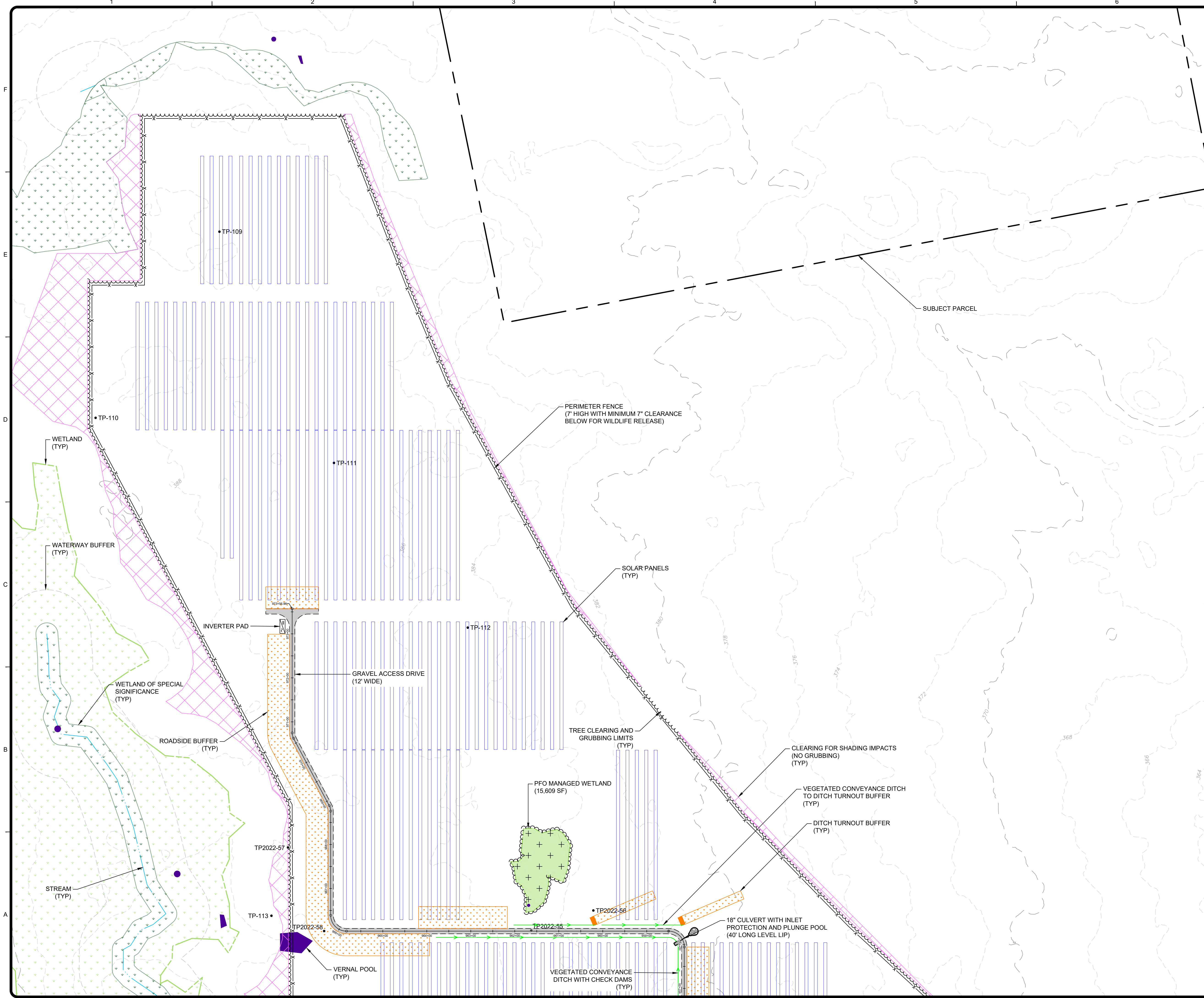
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**Detailed Site Plan**

**C-11**

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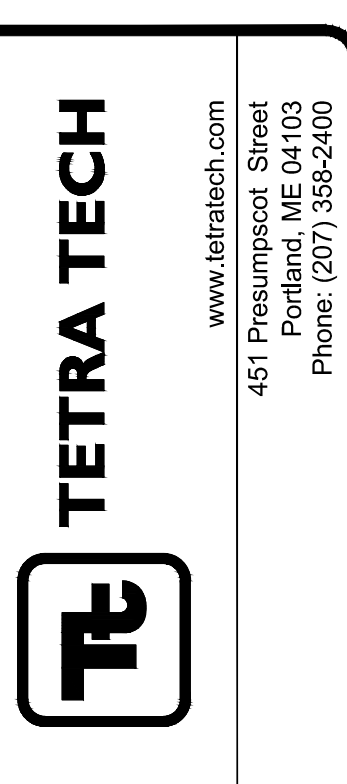
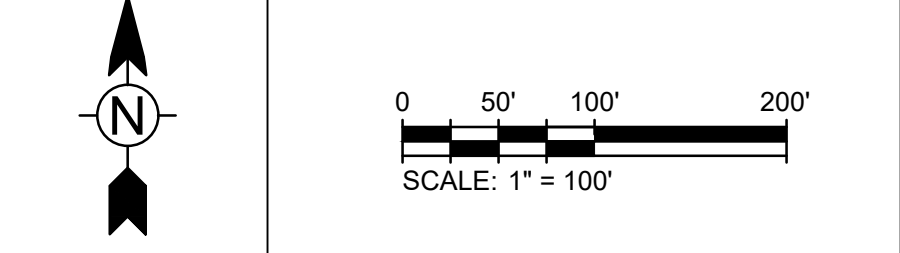
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	BURRILL HOMESTEAD
	WETLAND
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	VERNAL POOL
	INDETERMINANT DEER WINTERING AREA
	SOLAR ARRAY
	OVERHEAD ELECTRIC
	SOIL TEST LOCATION
	UTILITY POLE
	INVERTER SKID
	STORMWATER MEADOW BUFFER
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	OVERHEAD TRANSMISSION LINE CONVERSION CLEARING
	PROJECT FENCE
	PROPOSED GRAVEL DRIVE

**MARK**

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Harland Solar Facility, LLC  
 Harland Solar Project  
 Town of Harland, Somerset County, Maine  
 Maine DEP Permit Drawings  
**Detailed Site Plan**

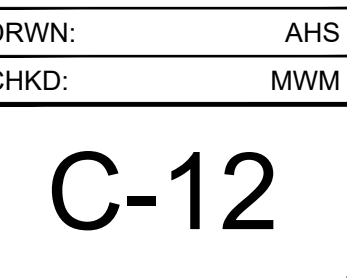
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DESN:	NRK
DRWN:	AHS
CHKD:	MWM



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Harland Solar Facility, LLC  
 Harland Solar Project  
 Town of Harland, Somerset County, Maine  
 Maine DEP Permit Drawings  
**Detailed Site Plan**

PROJ:	143-67639-21004
DESN:	NRK
DRWN:	AHS
CHKD:	MWM

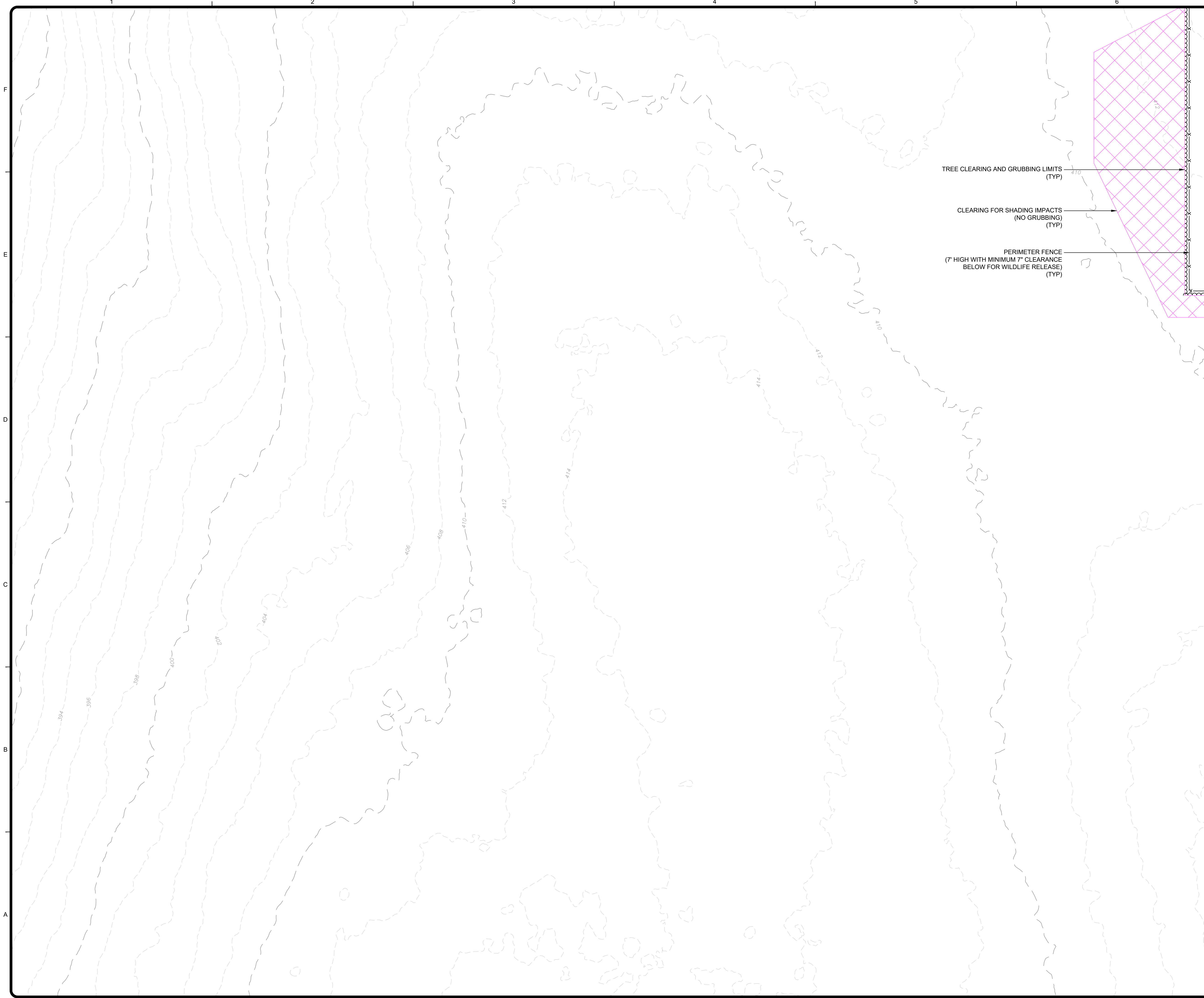


**C-12**

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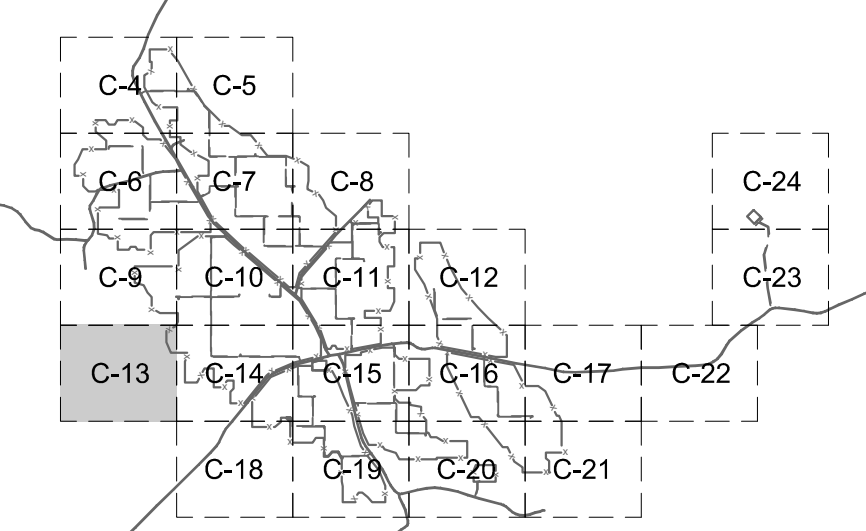


TREE CLEARING AND GRUBBING LIMITS (TYP)

CLEARING FOR SHADING IMPACTS (NO GRUBBING) (TYP)

PERIMETER FENCE (7' HIGH WITH MINIMUM 7' CLEARANCE BELOW FOR WILDLIFE RELEASE) (TYP)

KEY PLAN

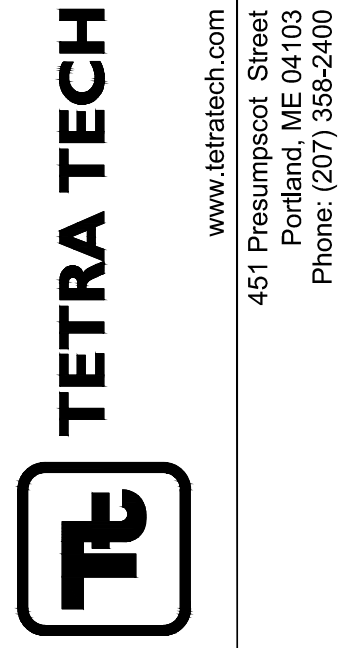


NOTES

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LEGEND

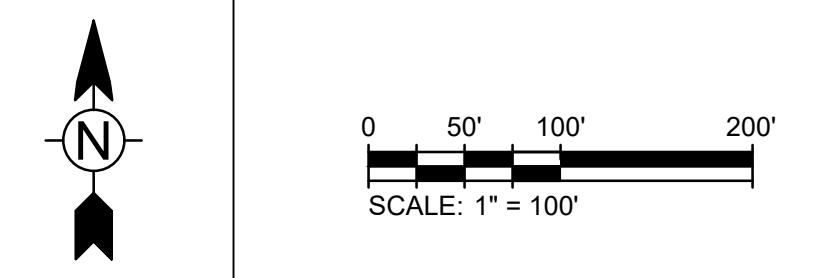
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	EXISTING GRAVEL ROAD
	BURRILL HOMESTEAD
	WETLAND
	WETLAND OF SPECIAL SIGNIFICANCE
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	VERNAL POOL
	INDETERMINANT DEER WINTERING AREA
	SOLAR ARRAY
	OVERHEAD ELECTRIC
	SOIL TEST LOCATION
	UTILITY POLE
	INVERTER SKID
	STORMWATER MEADOW BUFFER
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Hartland Solar Facility, LLC  
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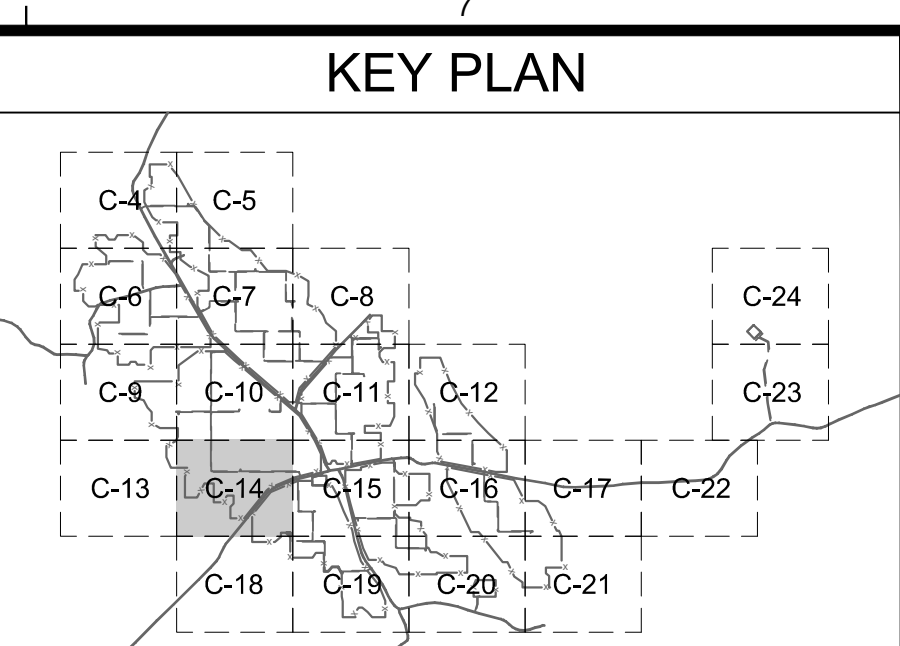
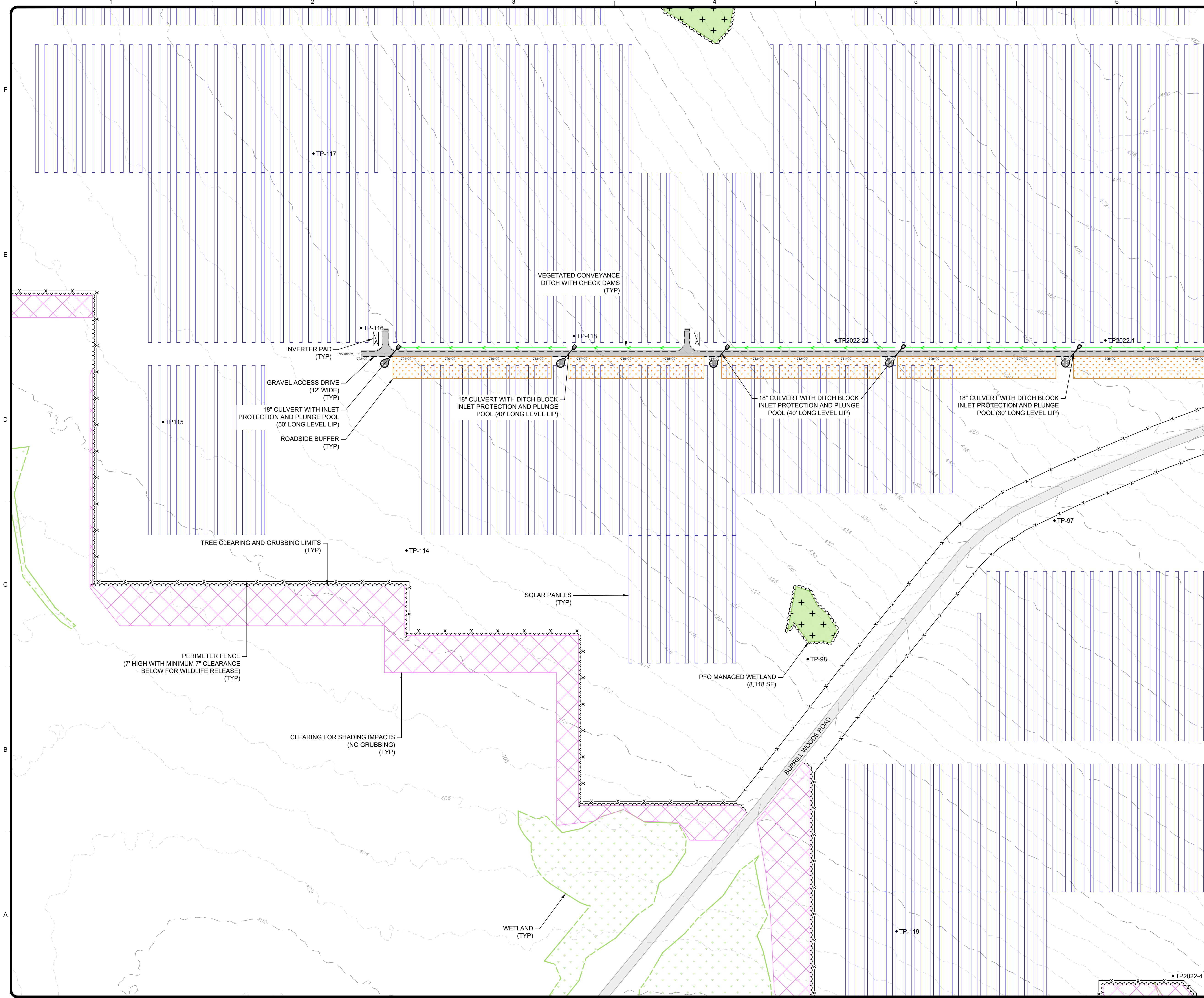
PROJ:	143-67639-21004
DESN:	NRK
DRWN:	AHS
CHKD:	MWM



**C-13**

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**LEGEND**

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	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING GRAVEL ROAD
	BURRILL HOMESTEAD
	WETLAND
	WETLAND OF SPECIAL SIGNIFICANCE
	STREAM/WATERWAY
	SIGNIFICANT VERNAL POOL AND CRITICAL TERRESTRIAL HABITAT
	VERNAL POOL
	INDETERMINANT DEER WINTERING AREA
	SOLAR ARRAY
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	SOIL TEST LOCATION
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**LEGEND**

MARK	DATE	DESCRIPTION	ISSUE FOR PERMIT
1	12/15/23		

BY: MWM

MARK: 1

DATE: 12/15/23

DESCRIPTION:

ISSUE FOR PERMIT:

PROJ: 143-67639-21004

DESN: NRK

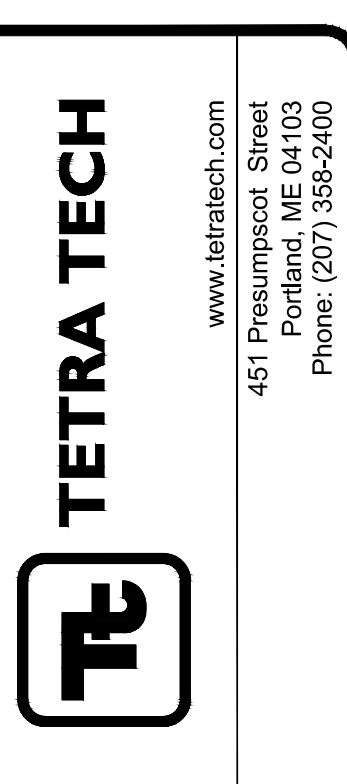
DRWN: AHS

CHKD: MWM

Scale: 0 50' 100' 200'

SCALE: 1" = 100'

Bar Measures 1 inch, otherwise drawing not to scale



MARK	DATE	DESCRIPTION	ISSUE FOR PERMIT
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Hartland Solar Facility, LLC  
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**Detailed Site Plan**

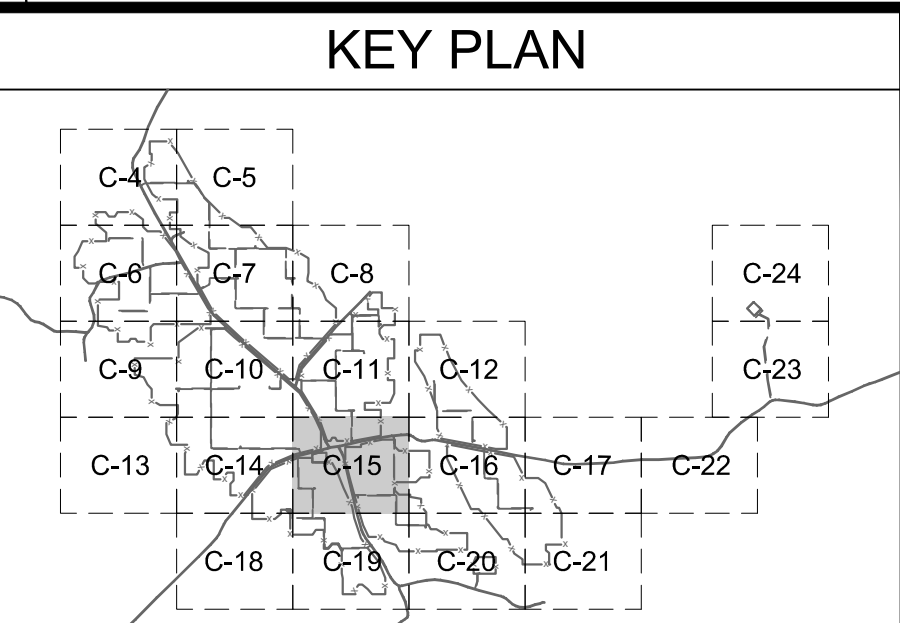
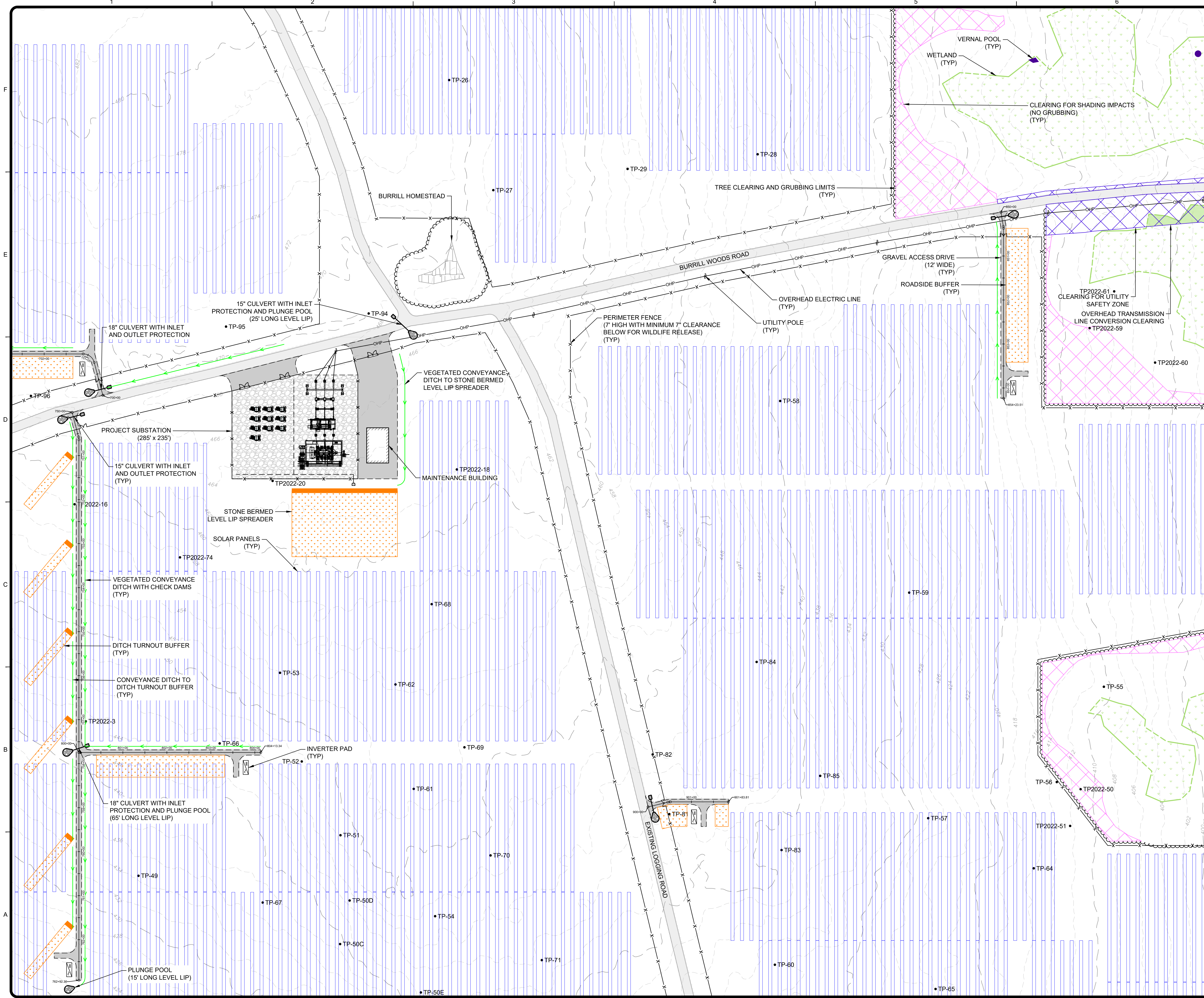
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 DESN: NRK  
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**C-14**

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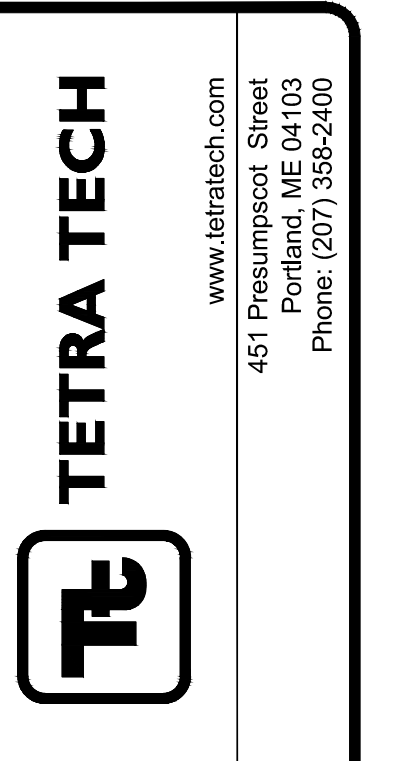
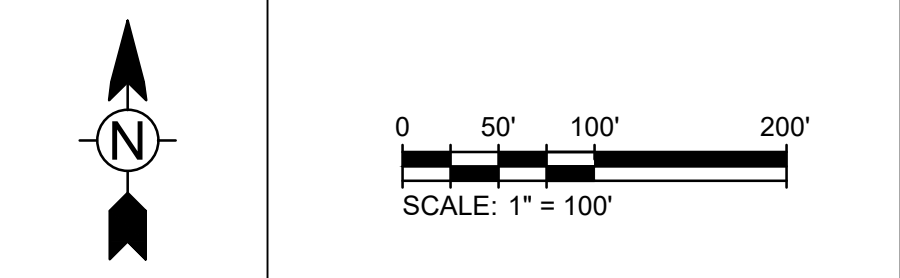
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LEGEND

- SUBJECT PARCEL
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING GRAVEL ROAD
- BURRILL HOMESTEAD
- WETLAND
- WETLAND OF SPECIAL SIGNIFICANCE
- STREAM/WATERWAY
- SIGNIFICANT VERNAL POOL AND CRITICAL TERRESTRIAL HABITAT
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- OVERHEAD TRANSMISSION LINE CONVERSION CLEARING
- PROJECT FENCE
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MARK	DATE	DESCRIPTION
1	12/15/23	ISSUE FOR PERMIT



BY: MWM

MARK: 1

DATE: 12/15/23

DESCRIPTION: ISSUE FOR PERMIT

Hartland Solar Facility, LLC  
Hartland Solar Project  
Town of Hartland, Somerset County, Maine  
Maine DEP Permit Drawings  
**Detailed Site Plan**

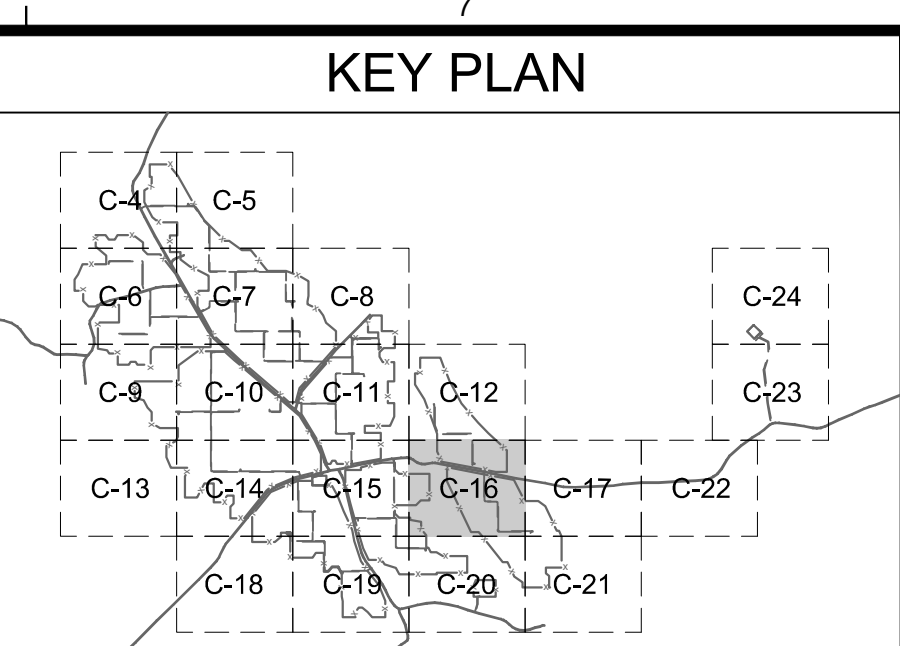
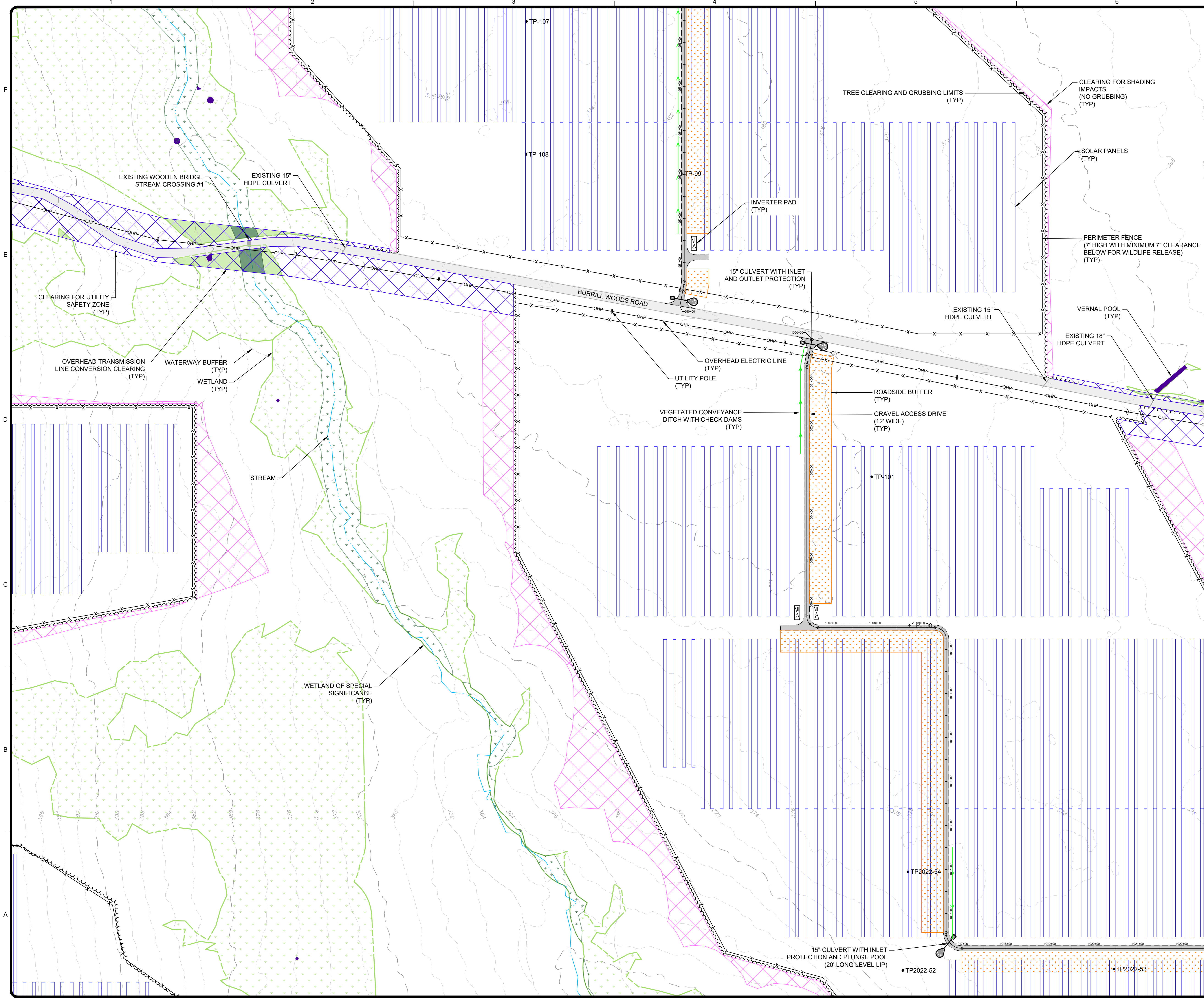
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DRWN: AHS  
CHKD: MWM

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	WETLAND OF SPECIAL SIGNIFICANCE
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PROJ:	143-67639-21004
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0 50' 100' 200'  
SCALE: 1" = 100'

Bar Measures 1 inch, otherwise drawing not to scale

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STATE OF MAINE  
MATTHEW W. MOYEN  
No. 18213  
PROFESSIONAL ENGINEER  
12-15-2023

Hartland Solar Facility, LLC  
Hartland Solar Project  
Town of Hartland, Somerset County, Maine  
Maine DEP Permit Drawings

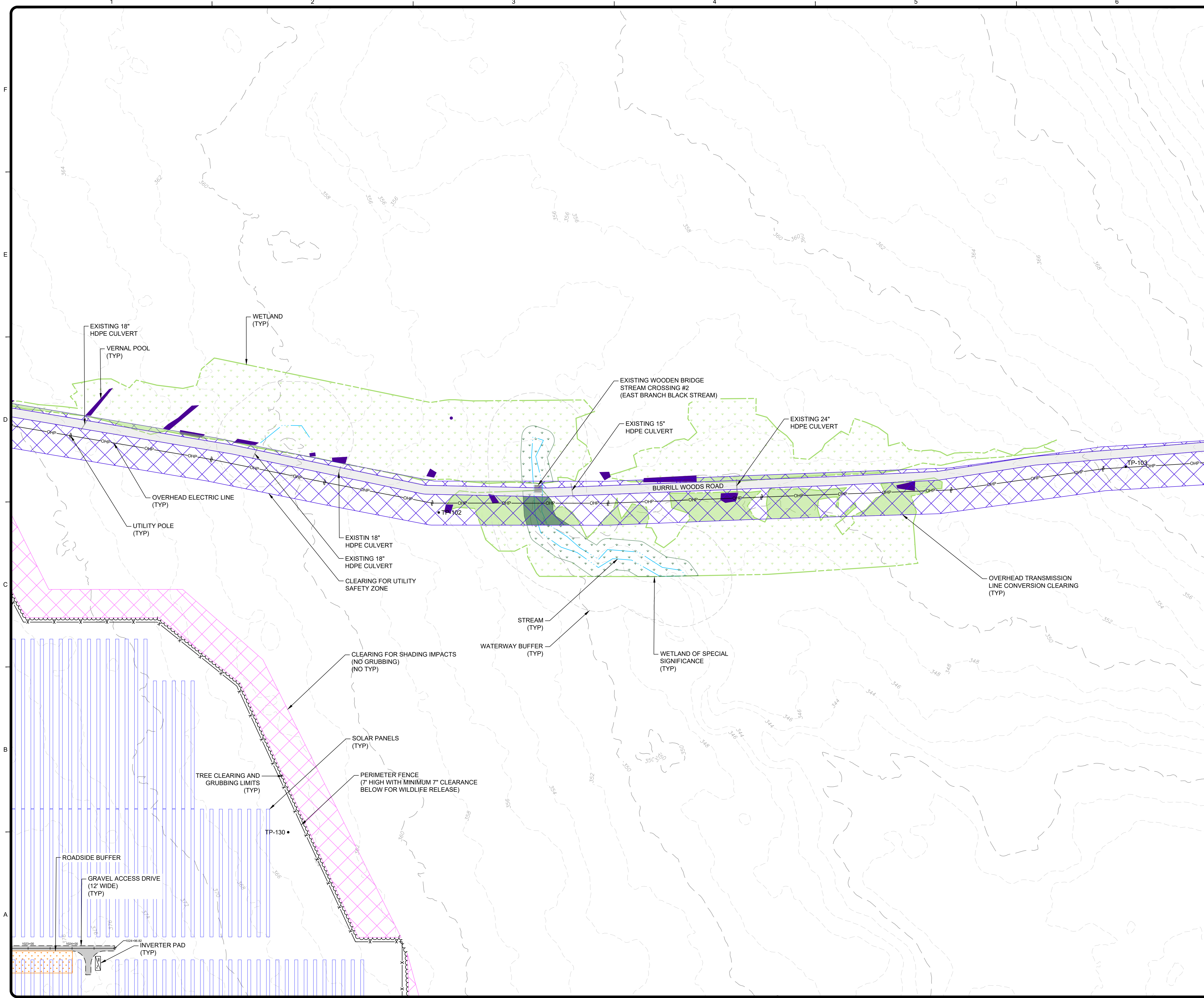
**Detailed Site Plan**

PROJ: 143-67639-21004  
DESN: NRK  
DRWN: AHS  
CHKD: MWM

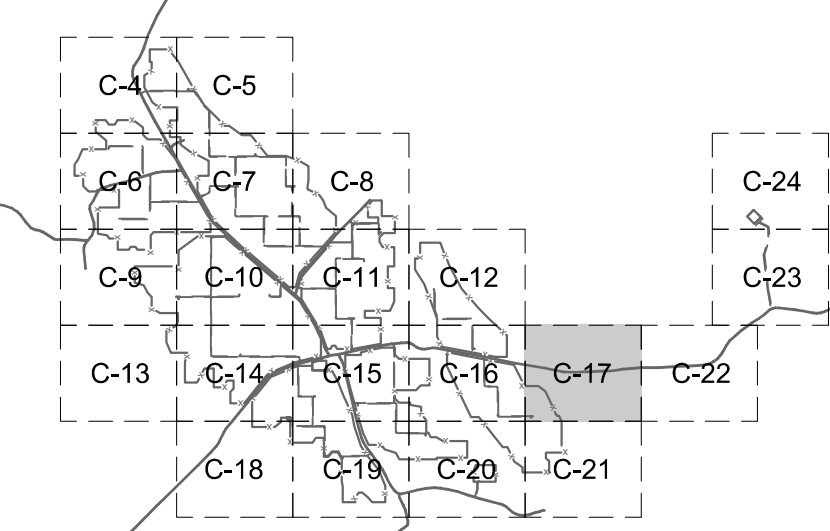
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KEY PLAN

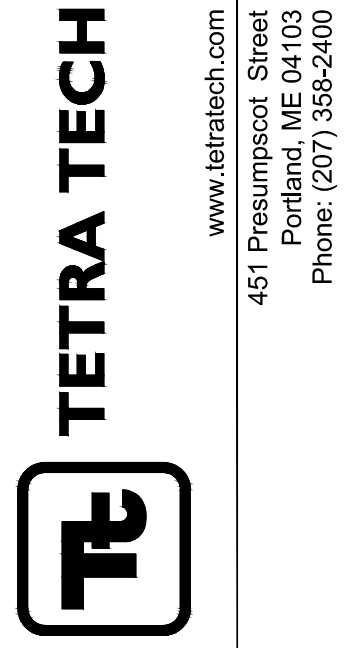


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LEGEND

	SUBJECT PARCEL
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING GRAVEL ROAD
	BURRILL HOMESTEAD
	WETLAND
	WETLAND OF SPECIAL SIGNIFICANCE
	STREAM/WATERWAY
	SIGNIFICANT VERNAL POOL AND CRITICAL TERRESTRIAL HABITAT
	VERNAL POOL
	INDETERMINANT DEER WINTERING AREA
	SOLAR ARRAY
	OVERHEAD ELECTRIC
	SOIL TEST LOCATION
	UTILITY POLE
	INVERTER SKID
	STORMWATER MEADOW BUFFER
	VEGETATED CONVEYANCE DITCH
	LIMIT OF TREE CLEARING AND GRUBBING
	CRITICAL TERRESTRIAL HABITAT MANAGED FOREST AREA
	PFO MANAGED WETLAND AREA
	CLEARING FOR SHADING IMPACTS (NO GRUBBING)
	SHADE MANAGEMENT CONVERSION CLEARING
	CLEARING FOR UTILITY SAFETY ZONE
	OVERHEAD TRANSMISSION LINE CONVERSION CLEARING
	PROJECT FENCE
	PROPOSED GRAVEL DRIVE

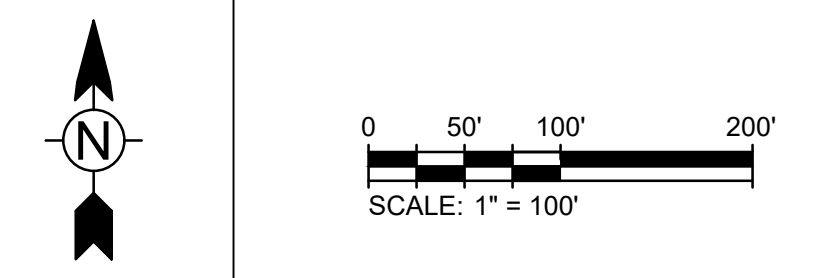


MARK	DATE	DESCRIPTION	BY
1	12/15/23	ISSUE FOR PERMIT	MWM

Hartland Solar Facility, LLC  
Hartland Solar Project  
Town of Hartland, Somerset County, Maine  
Maine DEP Permit Drawings  
**Detailed Site Plan**

PROJ:	143-67639-21004
DESN:	NRK
DRWN:	AHS
CHKD:	MWM

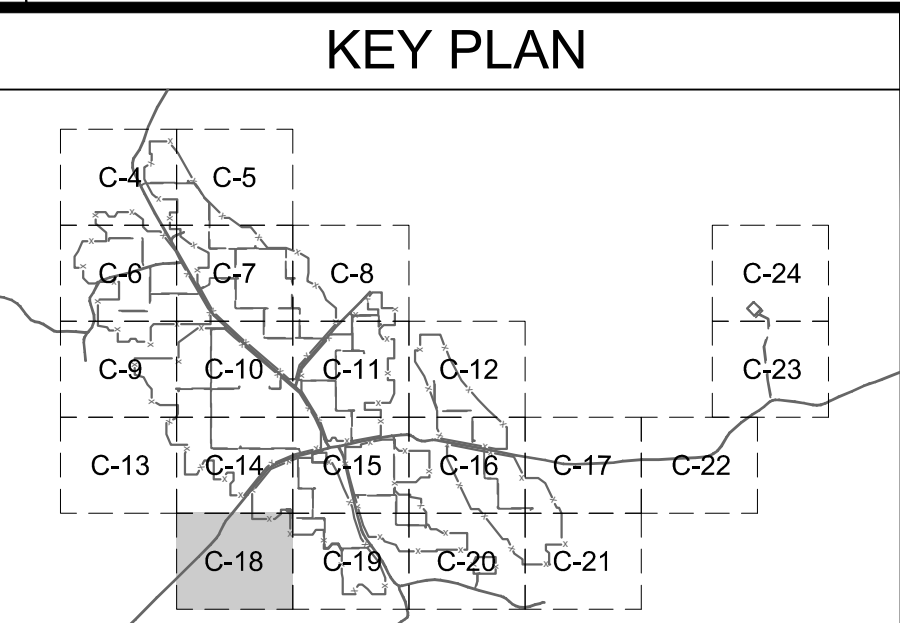
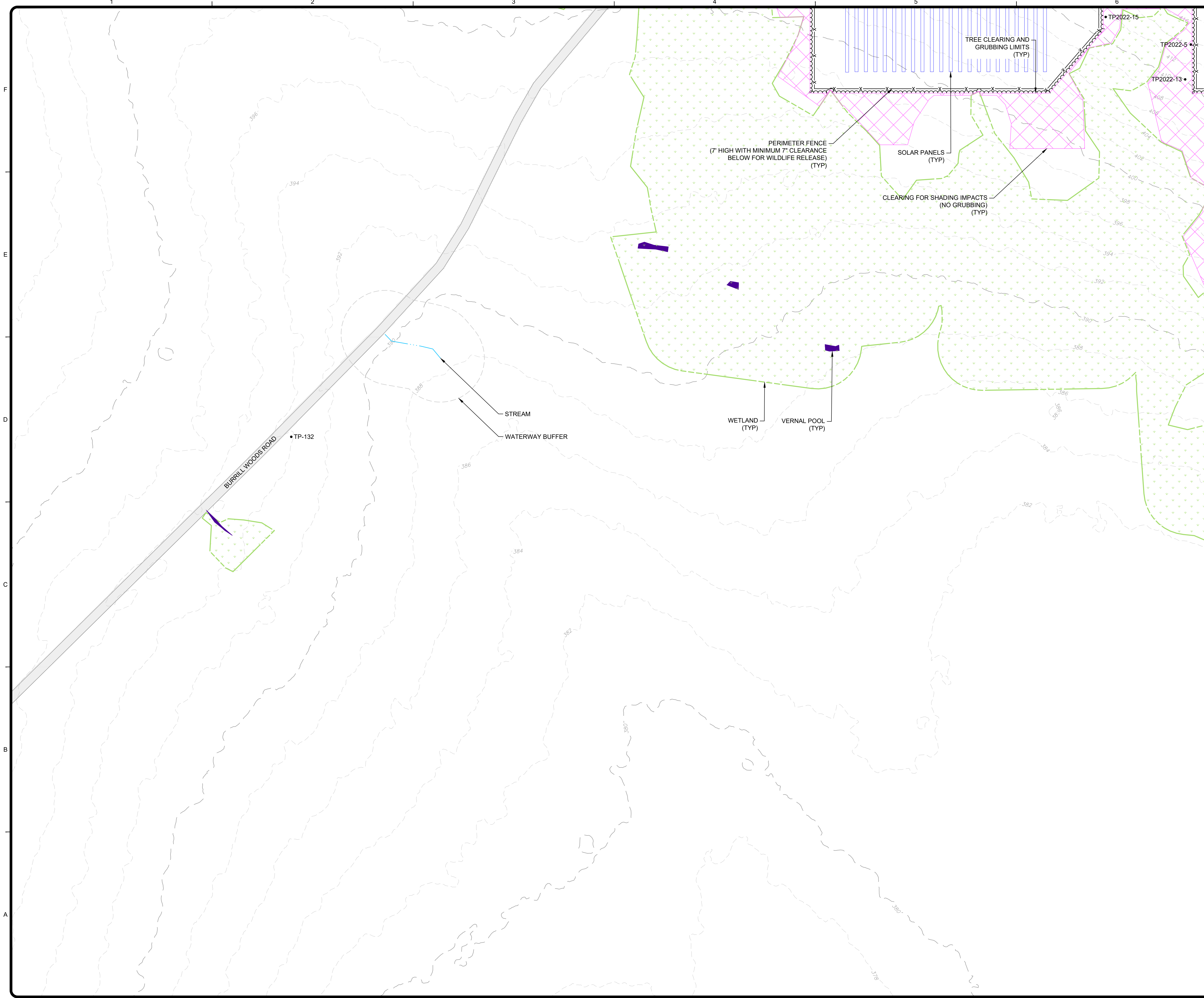
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	WETLAND
	WETLAND OF SPECIAL SIGNIFICANCE
	STREAM/WATERWAY
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	VERNAL POOL
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	SOLAR ARRAY
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	CLEARING FOR SHADING IMPACTS (NO GRUBBING)
	SHADE MANAGEMENT CONVERSION CLEARING
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	OVERHEAD TRANSMISSION LINE CONVERSION CLEARING
	PROJECT FENCE
	PROPOSED GRAVEL DRIVE

MARK	DATE	DESCRIPTION
1	12/15/23	ISSUE FOR PERMIT

**PROJ:** 143-67639-21004  
**DESN:** NRK  
**DRWN:** AHS  
**CHKD:** MWM

**Scale:** 1" = 100'  
 0 50' 100' 200'

**North Arrow**

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**STATE OF MAINE**  
 MATTHEW W. MOTEN  
 No. 18213  
 PROFESSIONAL ENGINEER  
 12-15-2023

**BY:** MWM

**DATE:** 12/15/23

**DESCRIPTION:** ISSUE FOR PERMIT

**MARK:** 1

**PROJECT:** Hartland Solar Facility, LLC  
 Hartland Solar Project  
 Town of Hartland, Somerset County, Maine  
 Maine DEP Permit Drawings

**Detailed Site Plan**

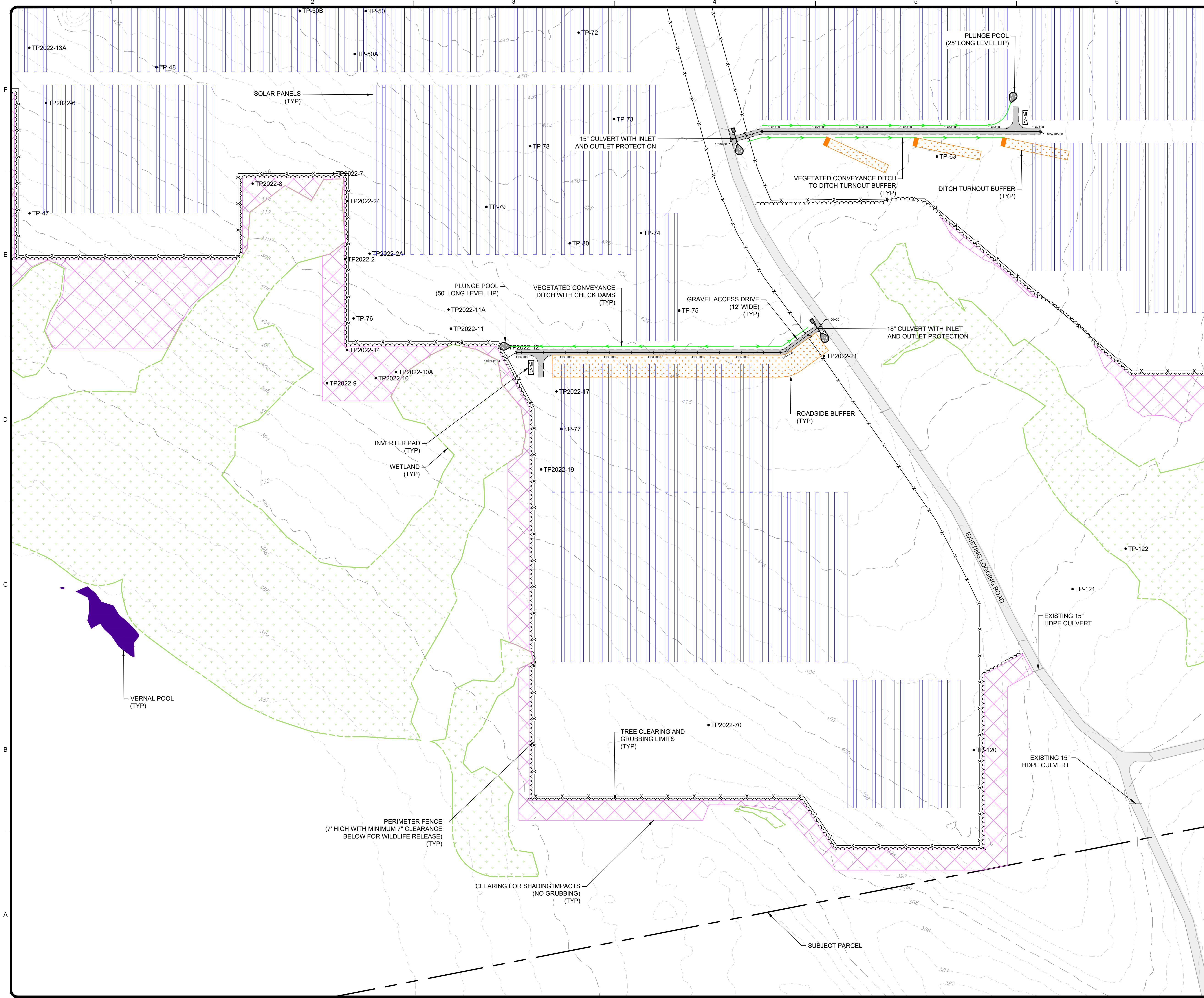
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**DRWN:** AHS  
**CHKD:** MWM

**C-18**

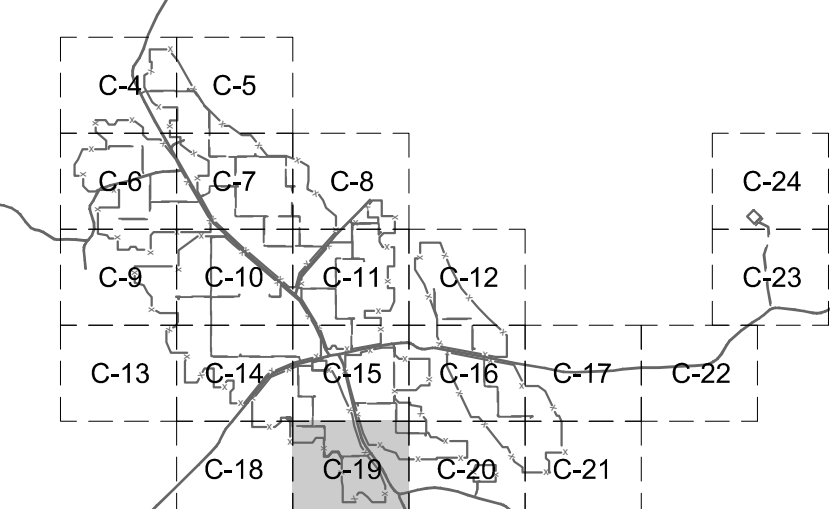
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KEY PLAN

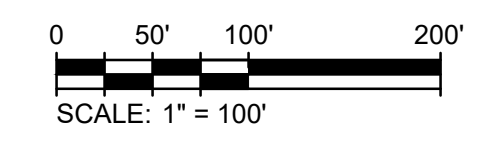
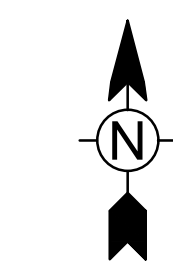


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12-15-2023

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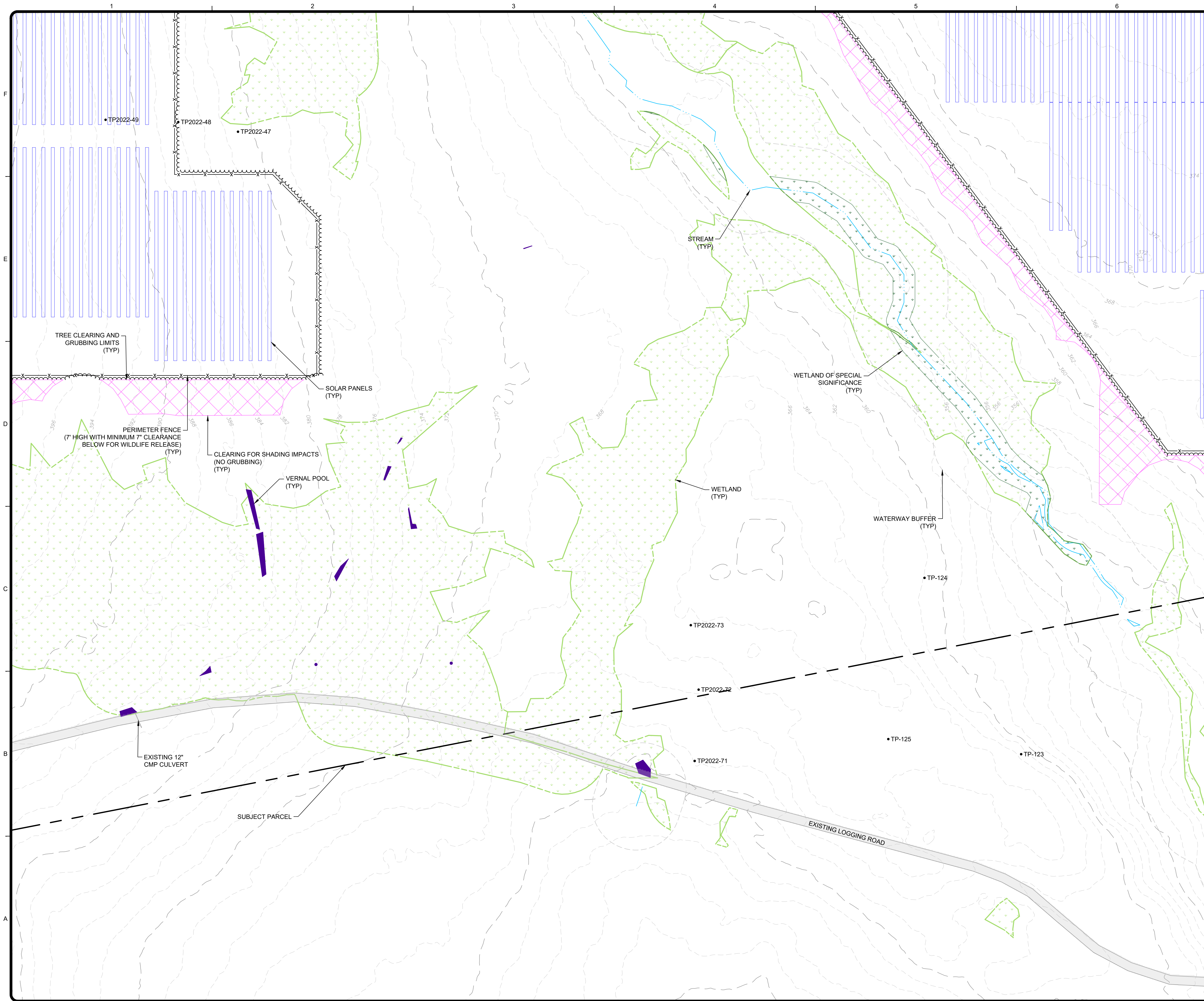
Hartland Solar Facility, LLC  
Hartland Solar Project  
Town of Hartland, Somerset County, Maine  
Maine DEP Permit Drawings  
**Detailed Site Plan**

PROJ:	143-67639-21004
DESN:	NRK
DRWN:	AHS
CHKD:	MWM

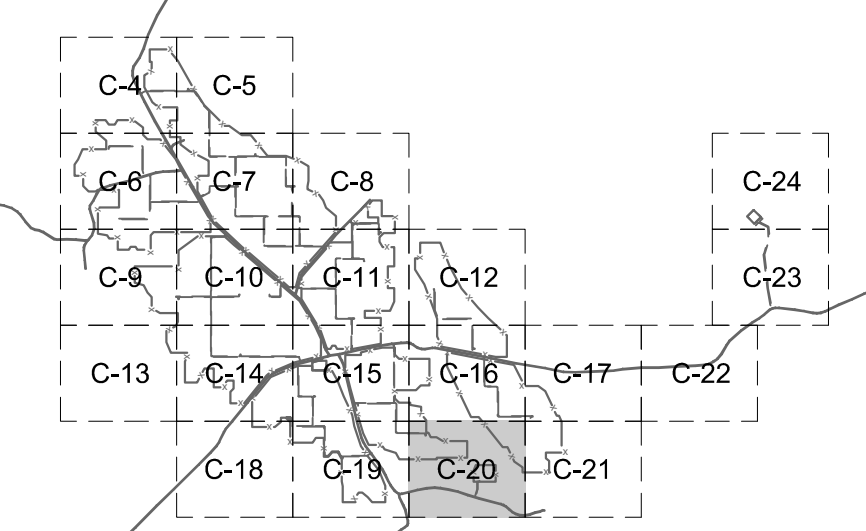
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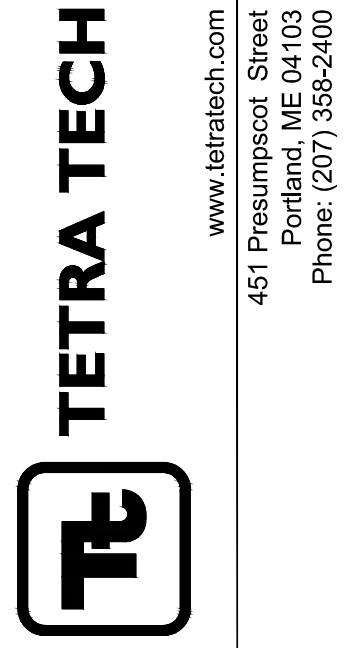


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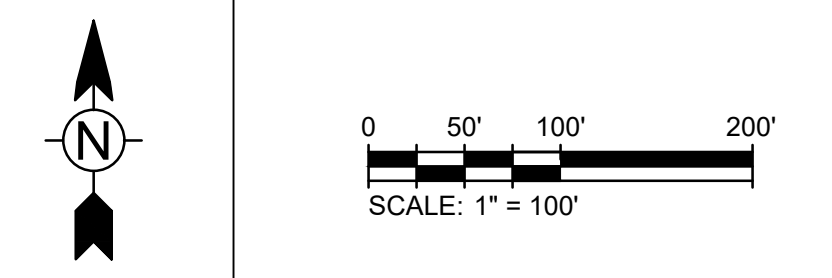
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	EXISTING MAJOR CONTOUR
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	BURRILL HOMESTEAD
	WETLAND
	WETLAND OF SPECIAL SIGNIFICANCE
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	PROJECT FENCE
	PROPOSED GRAVEL DRIVE



MARK	DATE	DESCRIPTION
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Hartland Solar Facility, LLC  
 Hartland Solar Project  
 Town of Hartland, Somerset County, Maine  
 Maine DEP Permit Drawings  
**Detailed Site Plan**

PROJ:	143-67639-21004
DESN:	NRK
DRWN:	AHS
CHKD:	MWM

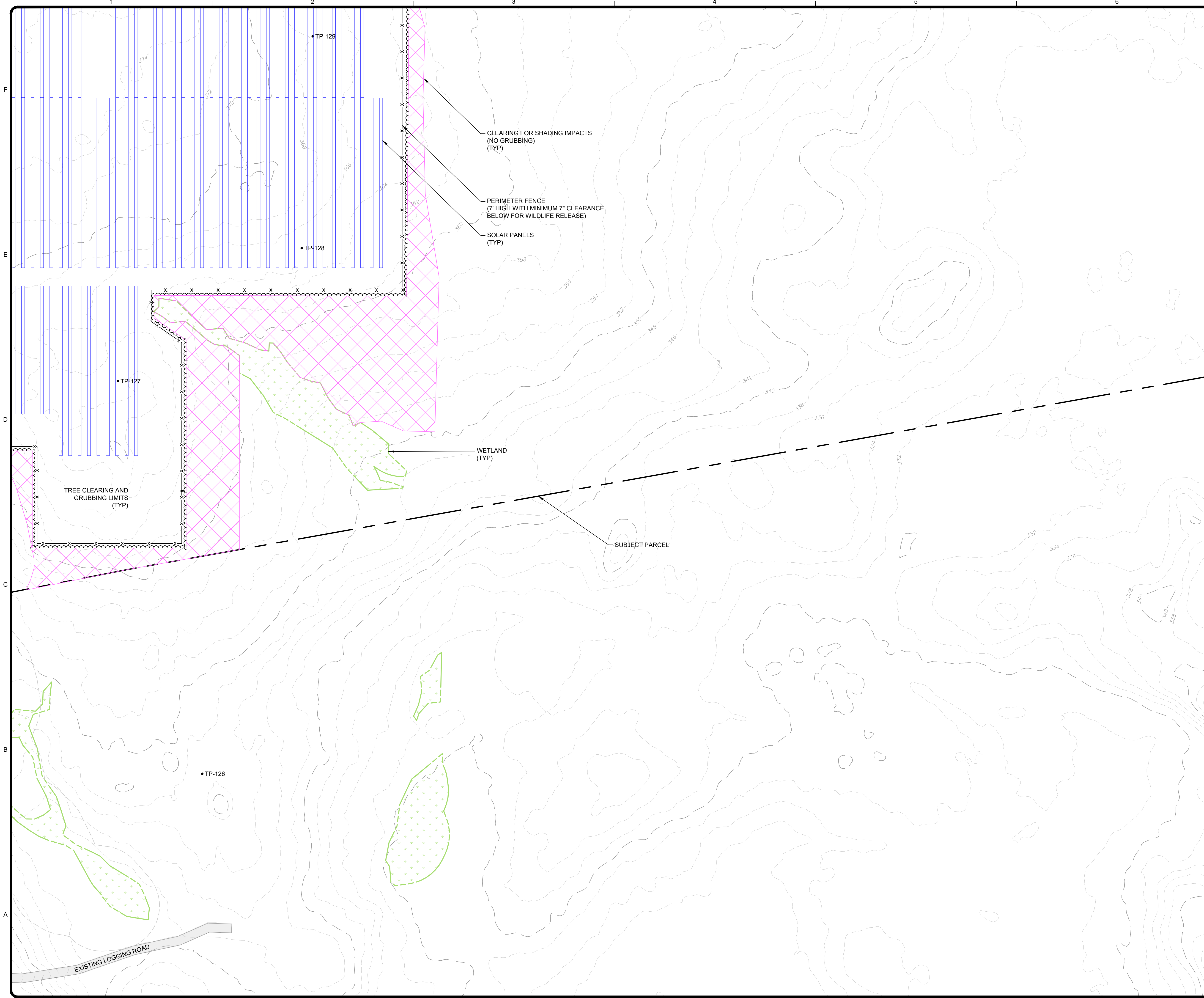


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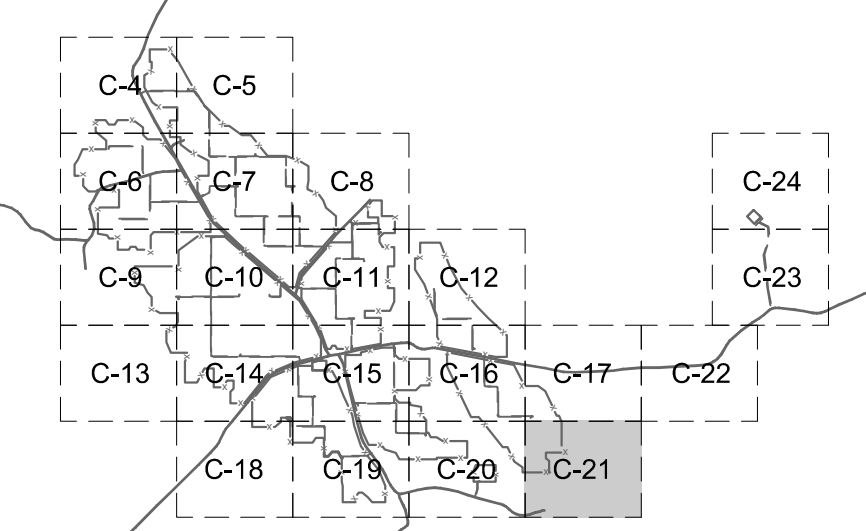
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KEY PLAN

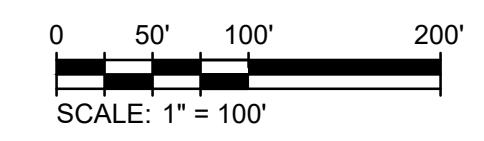
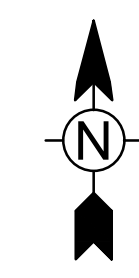


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STATE OF MAINE  
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12-15-2023

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**Detailed Site Plan**

PROJ: 143-67639-21004

DESN: NRK

DRWN: AHS

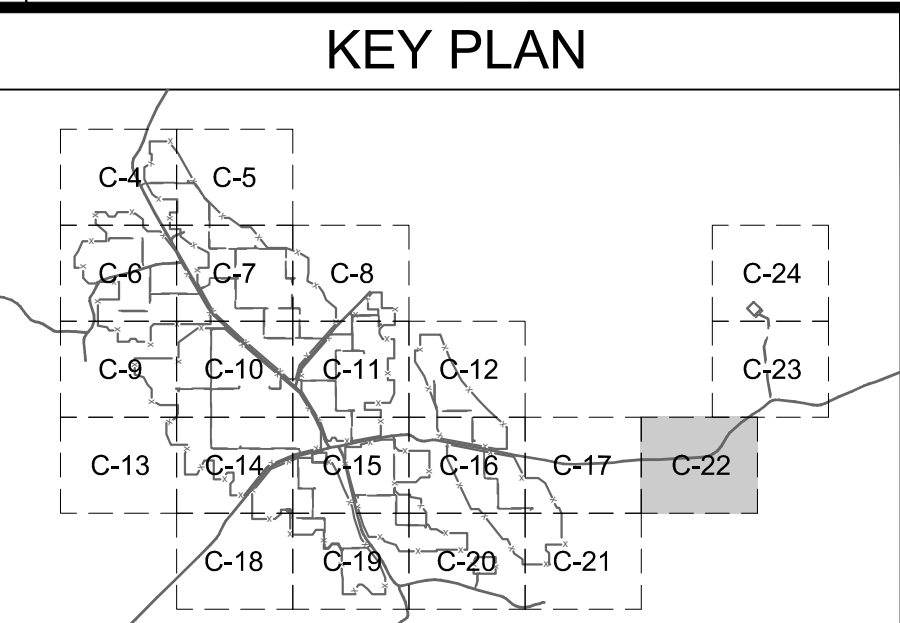
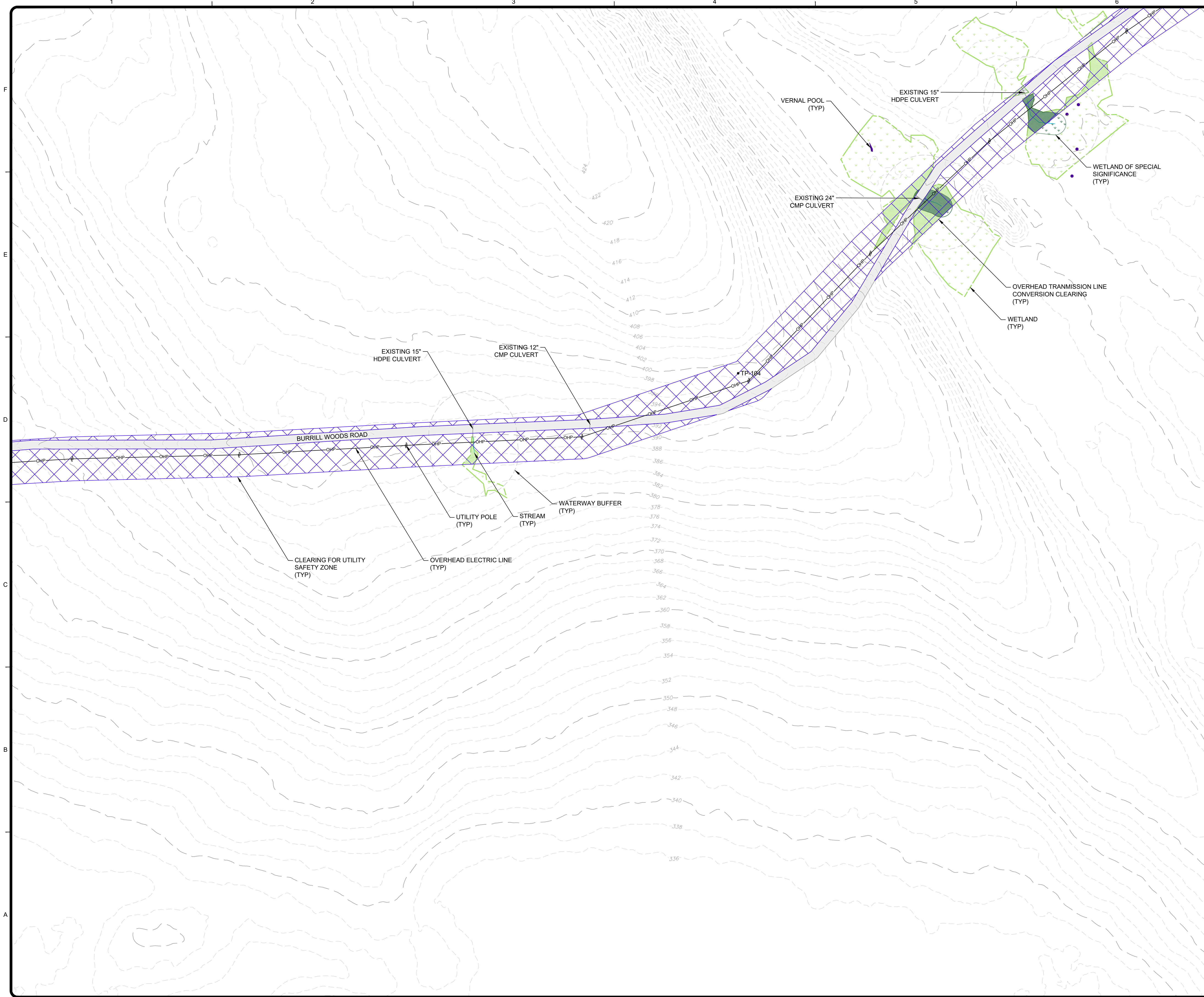
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### NOTES

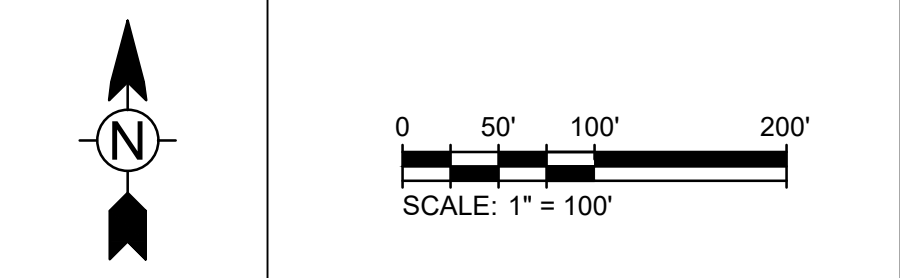
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### LEGEND

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Hartland Solar Facility, LLC	
Hartland Solar Project	
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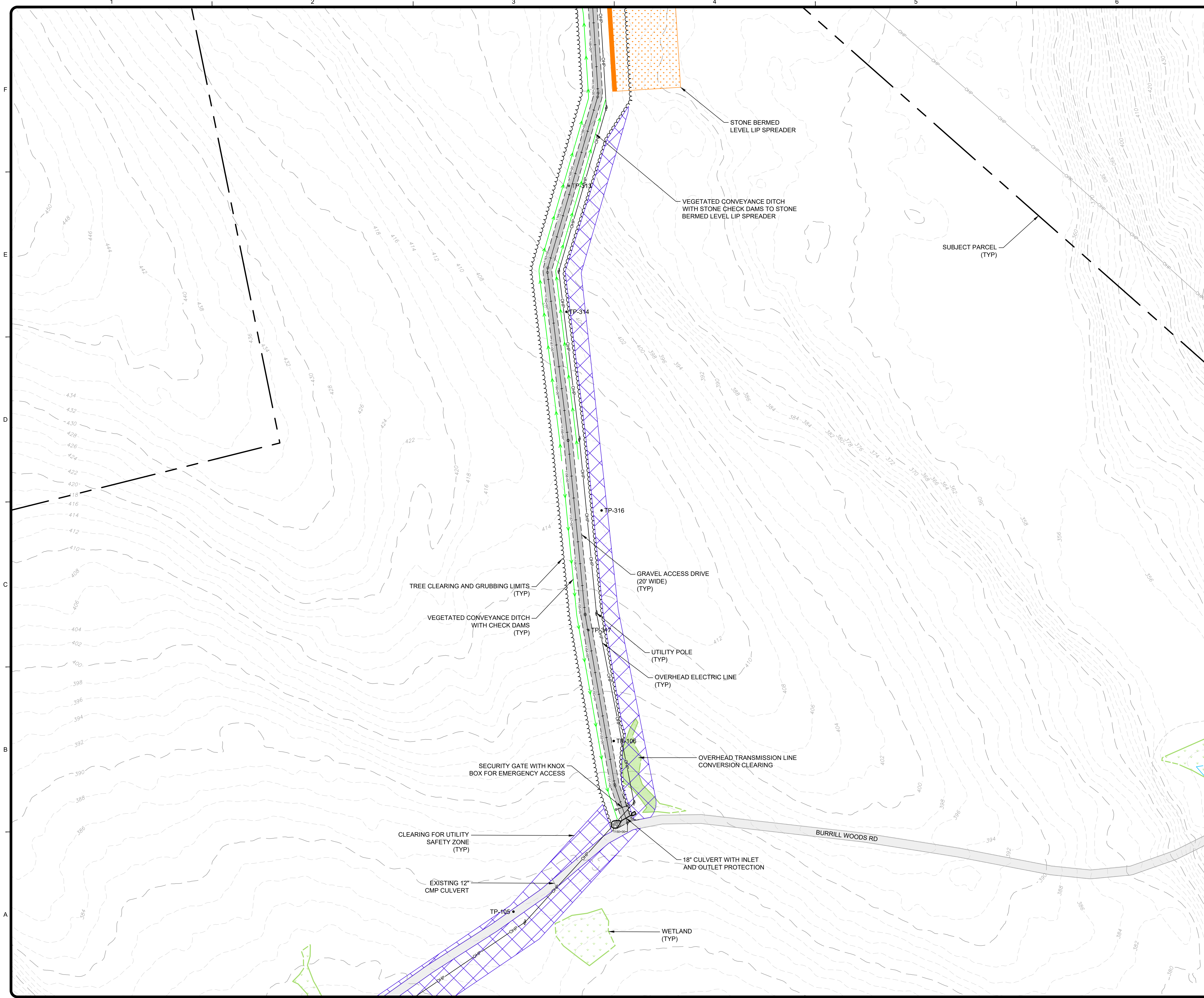
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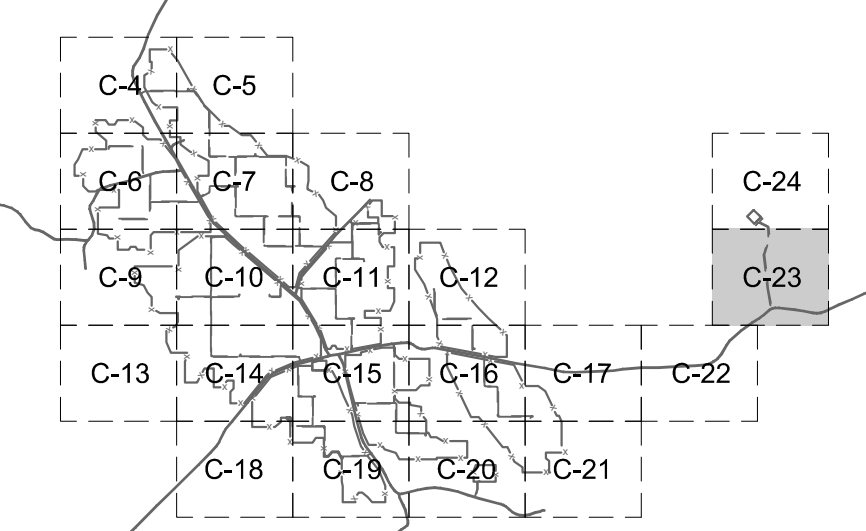
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KEY PLAN

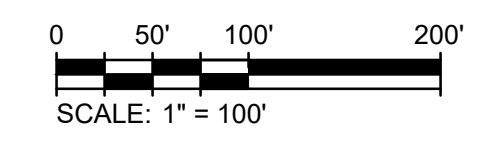
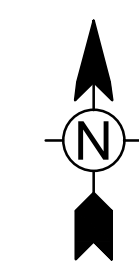


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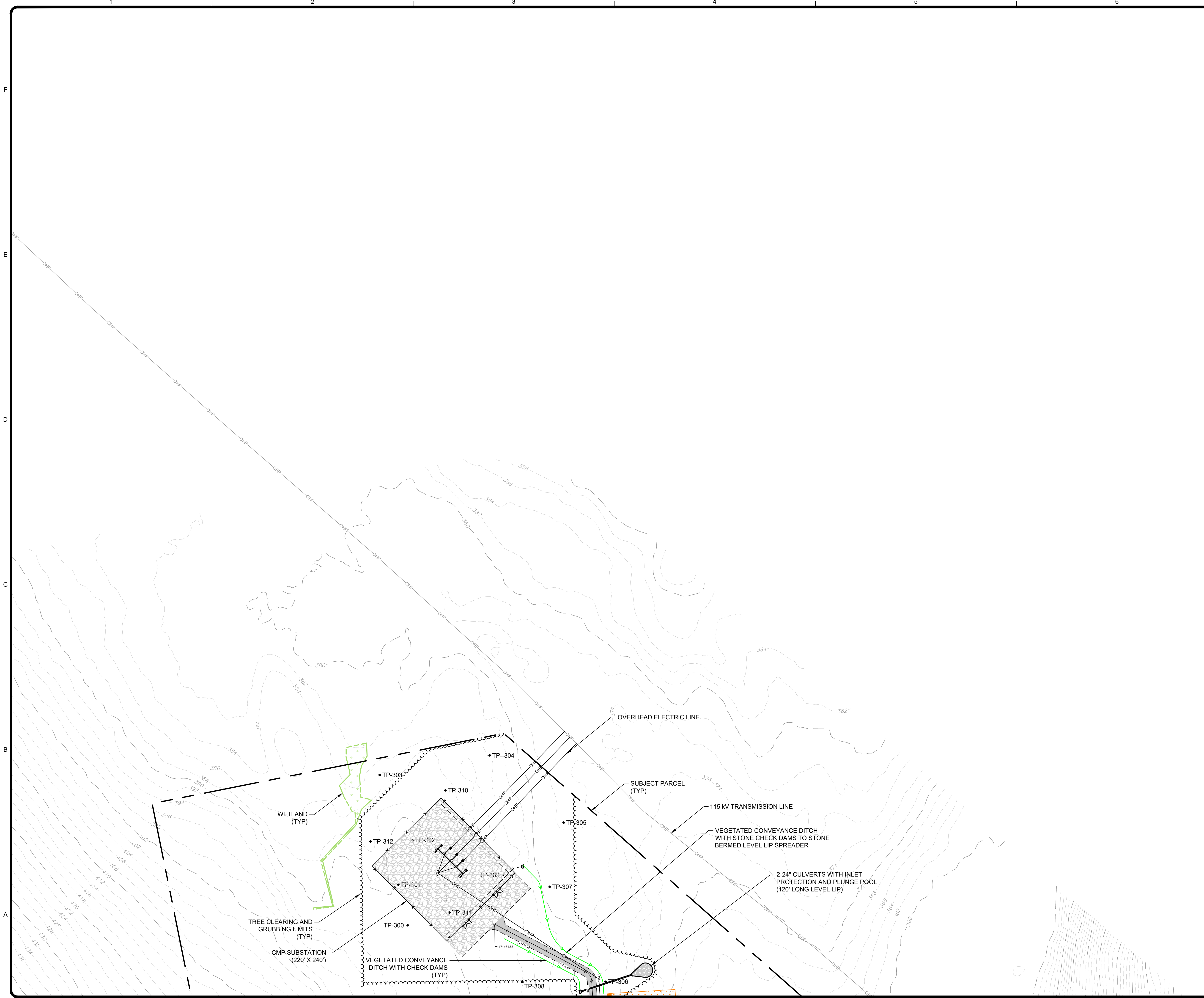
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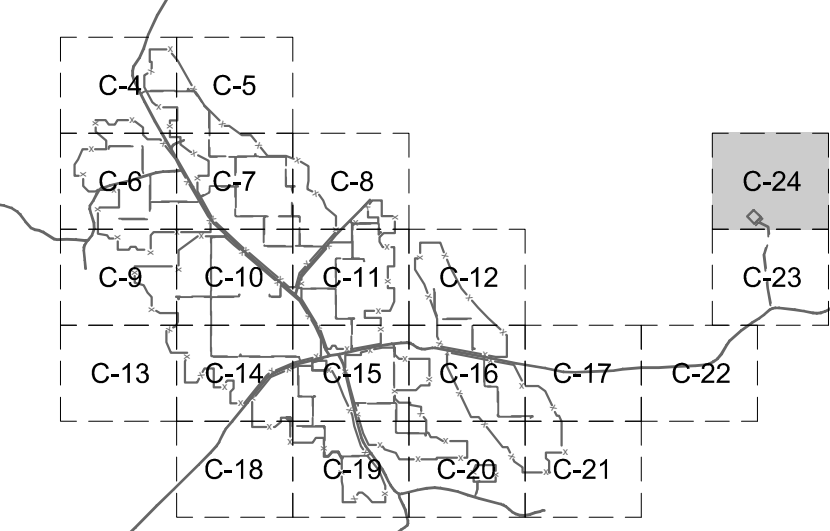
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KEY PLAN



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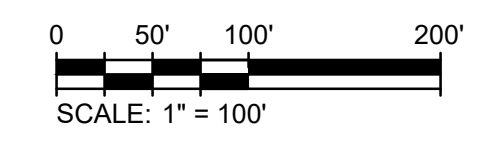
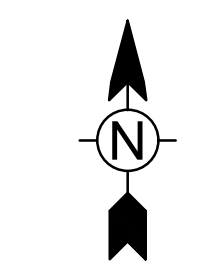
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	SIGNIFICANT VERNAL POOL AND CRITICAL TERRESTRIAL HABITAT
	VERNAL POOL
	INDETERMINANT DEER WINTERING AREA
	SOLAR ARRAY
	OVERHEAD ELECTRIC
	SOIL TEST LOCATION
	UTILITY POLE
	INVERTER SKID
	STORMWATER MEADOW BUFFER
	VEGETATED CONVEYANCE DITCH
	LIMIT OF TREE CLEARING AND GRUBBING
	CRITICAL TERRESTRIAL HABITAT MANAGED FOREST AREA
	PFO MANAGED WETLAND AREA
	CLEARING FOR SHADING IMPACTS (NO GRUBBING)
	SHADE MANAGEMENT CONVERSION CLEARING
	CLEARING FOR UTILITY SAFETY ZONE
	OVERHEAD TRANSMISSION LINE CONVERSION CLEARING
	PROJECT FENCE
	PROPOSED GRAVEL DRIVE

MARK	DATE	DESCRIPTION
1	12/15/23	ISSUE FOR PERMIT

Hartland Solar Facility, LLC  
 Hartland Solar Project  
 Town of Hartland, Somerset County, Maine  
 Maine DEP Permit Drawings

PROJ:	143-67639-21004
DESN:	NRK
DRWN:	AHS
CHKD:	MWM

C-24



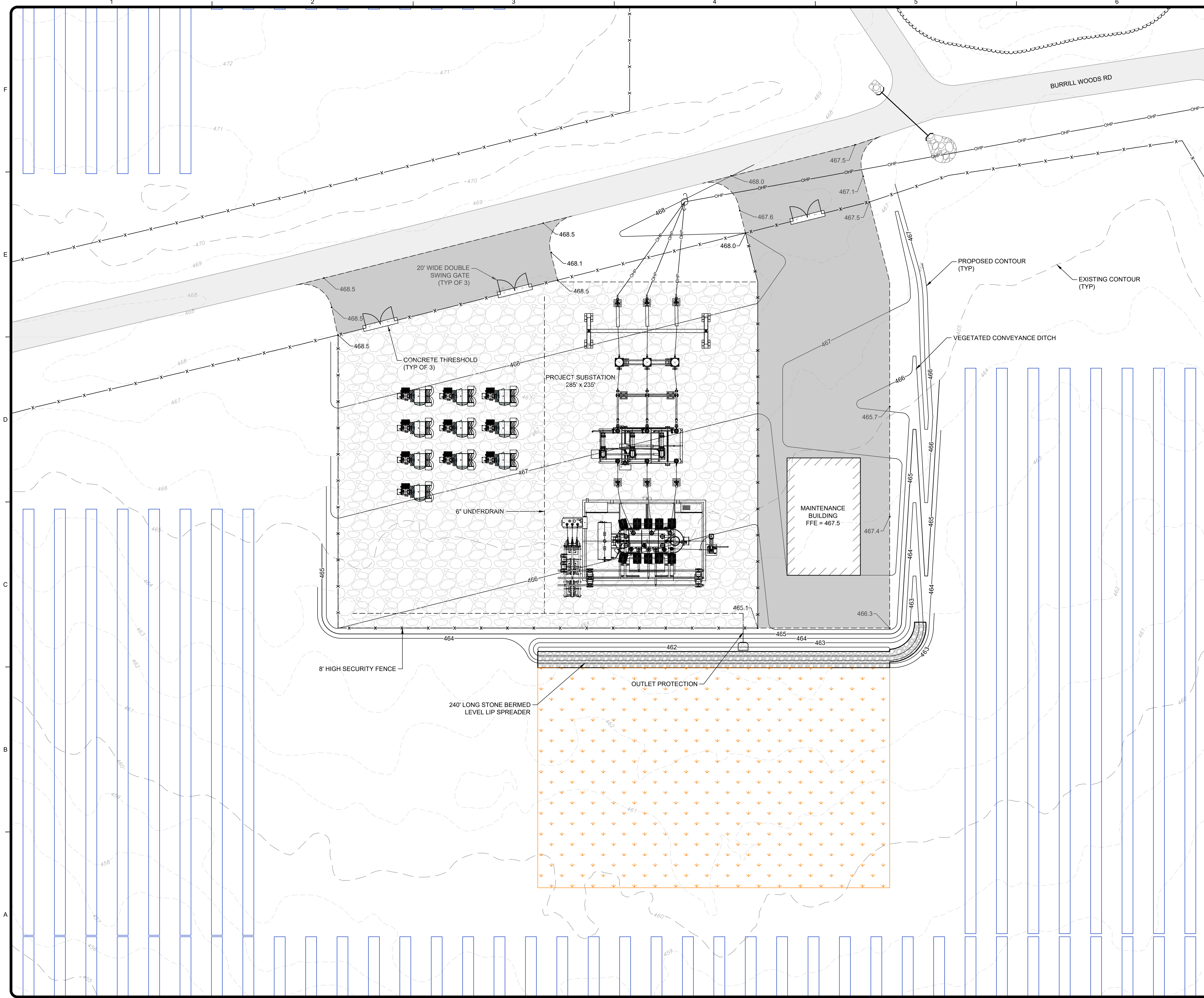
Bar Measures 1 inch, otherwise drawing not to scale

**TETRA TECH**  
 www.tetrattech.com  
 451 Presumpscot Street  
 Portland, ME 04103  
 Phone: (207) 355-2400

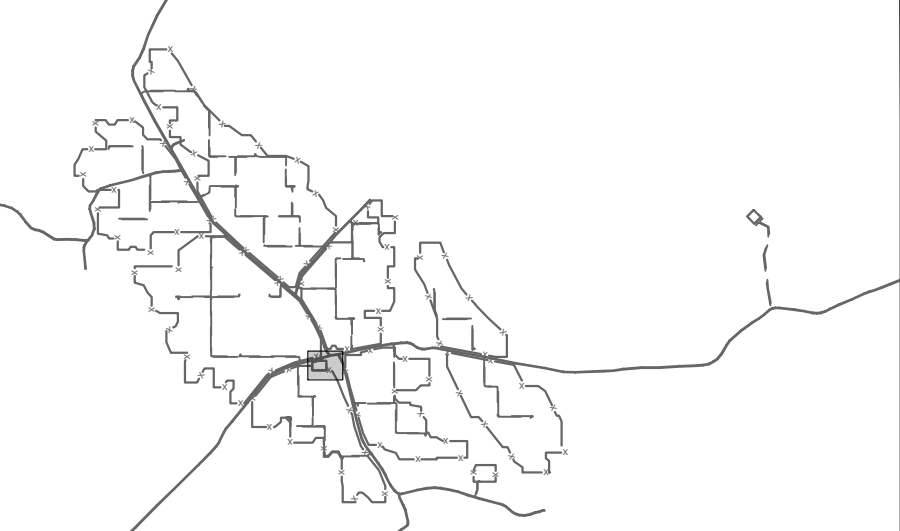


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KEY PLAN

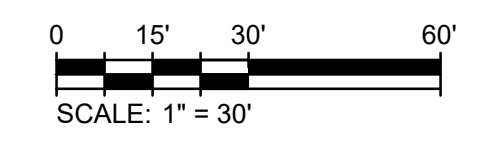
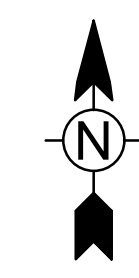


NOTES

1. ALL INFORMATION PROVIDED ON THIS PLAN SHOULD BE CONSIDERED APPROXIMATE ONLY. FINAL LOCATION OF ALL EXISTING SITE FEATURES SHOULD BE FIELD VERIFIED FOR ACCURACY.
2. ALL AREAS DISTURBED DURING CONSTRUCTION THAT ARE NOT SCHEDULED FOR IMPROVEMENTS SHALL BE LOAM AND SEEDED WITH A NATIVE SEEDING MIX AND RESTORED TO THEIR ORIGINAL CONDITION.

LEGEND

- SUBJECT PARCEL
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING GRAVEL ROAD
- BURRILL HOMESTEAD
- WETLAND
- WETLAND OF SPECIAL SIGNIFICANCE
- STREAM/WATERWAY
- SIGNIFICANT VERNAL POOL AND CRITICAL TERRESTRIAL HABITAT
- VERNAL POOL
- INDETERMINANT DEER WINTERING AREA
- SOLAR ARRAY
- OVERHEAD ELECTRIC
- TP-131 SOIL TEST LOCATION
- UTILITY POLE
- INVERTER SKID
- STORMWATER MEADOW BUFFER
- VEGETATED CONVEYANCE DITCH
- LIMIT OF TREE CLEARING AND GRUBBING
- CRITICAL TERRESTRIAL HABITAT MANAGED FOREST AREA
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- CLEARING FOR UTILITY SAFETY ZONE
- OVERHEAD TRANSMISSION LINE CONVERSION CLEARING
- PROJECT FENCE
- PROPOSED GRAVEL DRIVE



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Phone: (207) 355-2400

STATE OF MAINE  
MATTHEW W. MOYEN  
No. 18213  
PROFESSIONAL ENGINEER  
12-15-2023

MARK	DATE	DESCRIPTION	BY
1	12/15/23	ISSUE FOR PERMIT	MWM

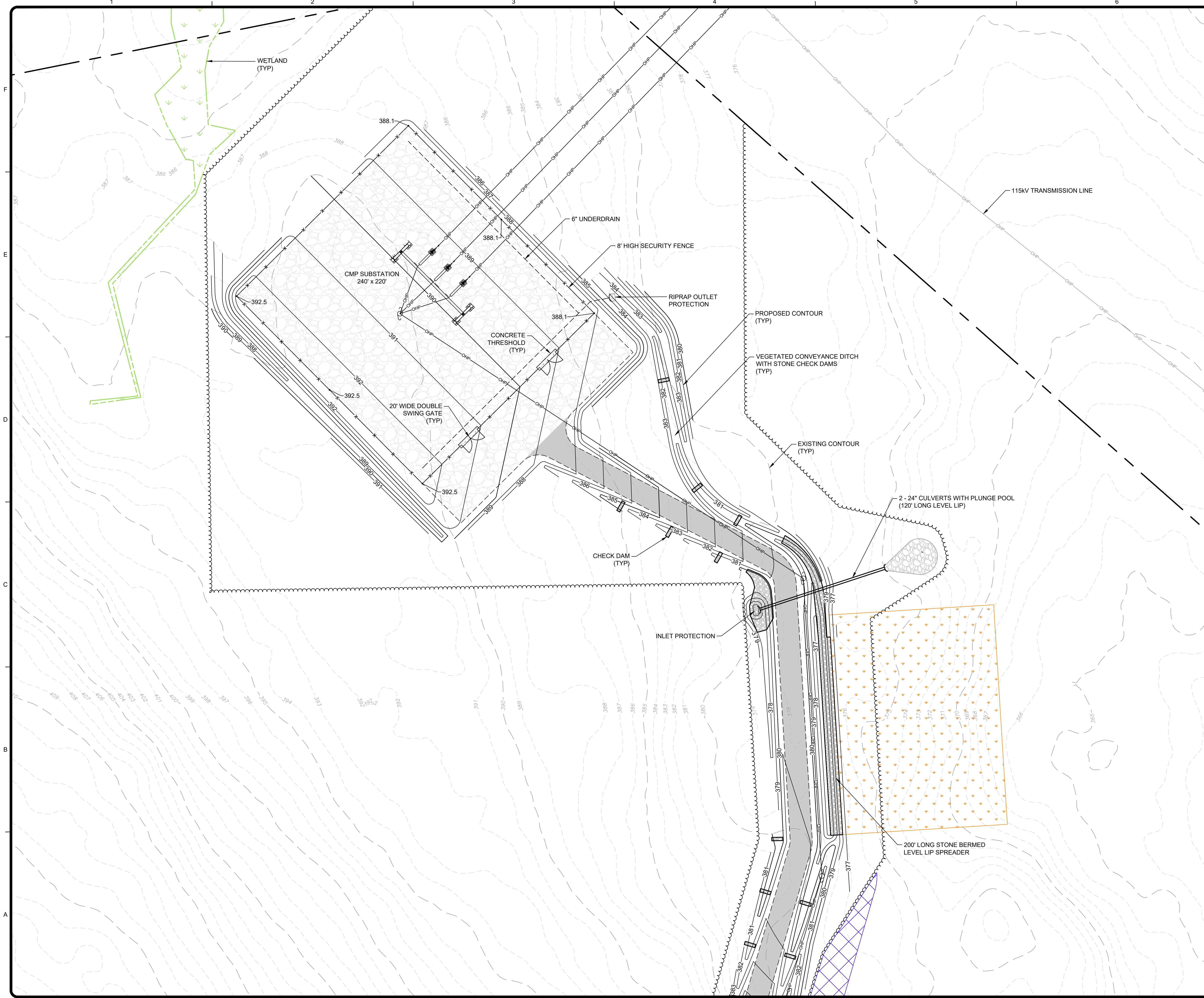
Hartland Solar Facility, LLC  
Hartland Solar Project  
Town of Hartland, Somerset County, Maine  
Maine DEP Permit Drawings  
**Project Substation Site Plan**

PROJ:	143-67639-21004
DESN:	MWM
DRWN:	NRK
CHKD:	SPR

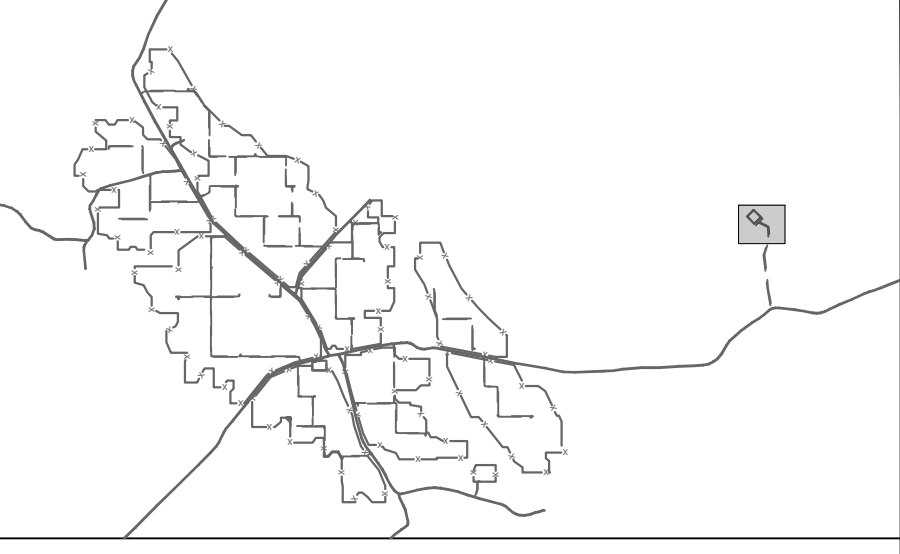
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**KEY PLAN**

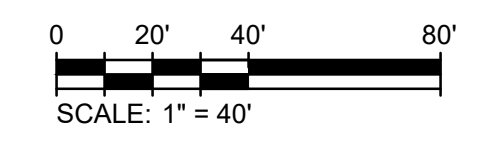
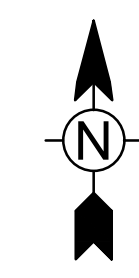


**NOTES**

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**LEGEND**

	SUBJECT PARCEL
	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
	EXISTING GRAVEL ROAD
	BURRILL HOMESTEAD
	WETLAND
	WETLAND OF SPECIAL SIGNIFICANCE
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PROFESSIONAL ENGINEER  
12-15-2023

MARK	DATE	DESCRIPTION
1	12/15/23	ISSUE FOR PERMIT

Hartland Solar Facility, LLC  
Hartland Solar Project  
Town of Hartland, Somerset County, Maine  
Maine DEP Permit Drawings  
**CMP Substation Site Plan**

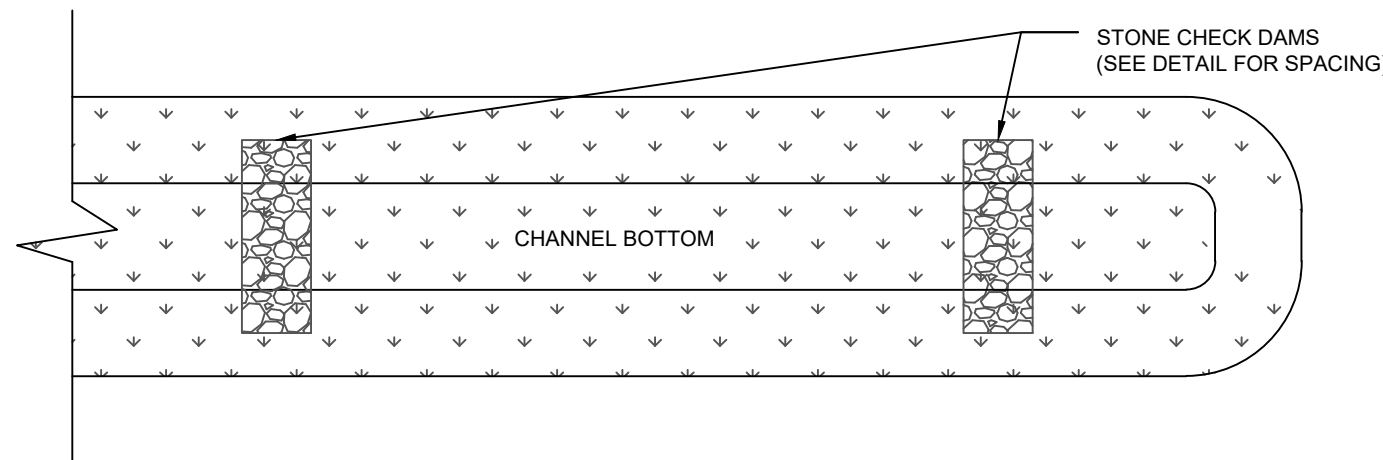
PROJ:	143-67639-21004
DESN:	MWM
DRWN:	NRK
CHKD:	SPR

**C-26**

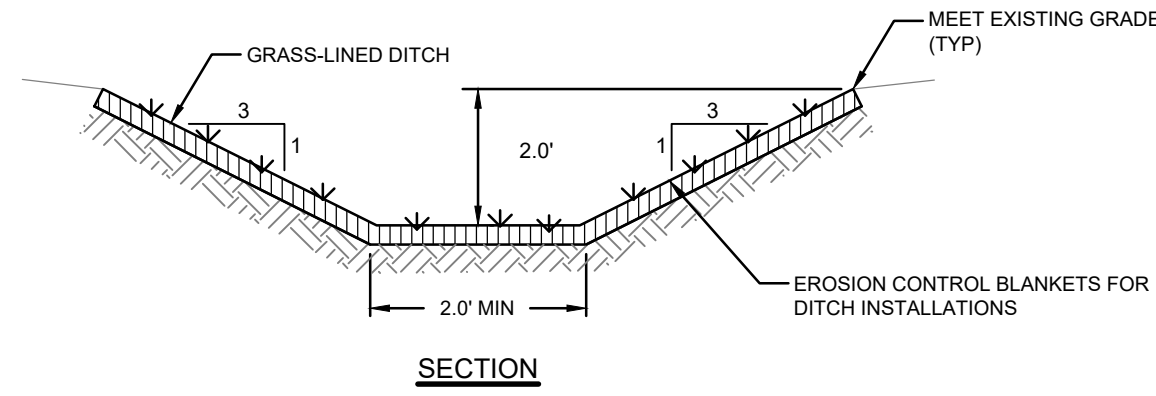
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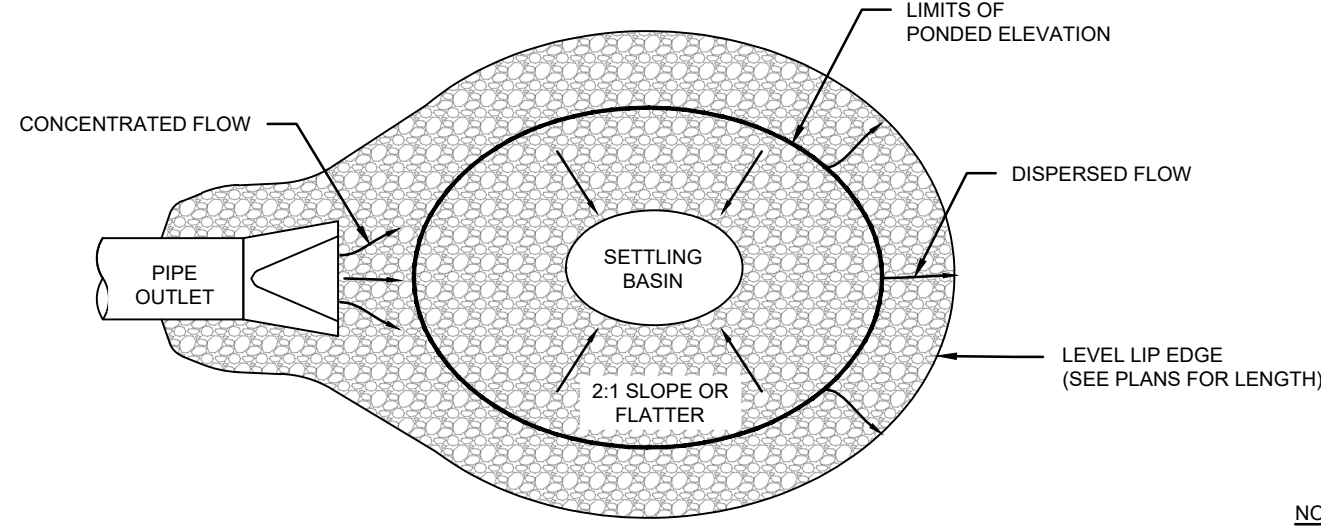
PLAN



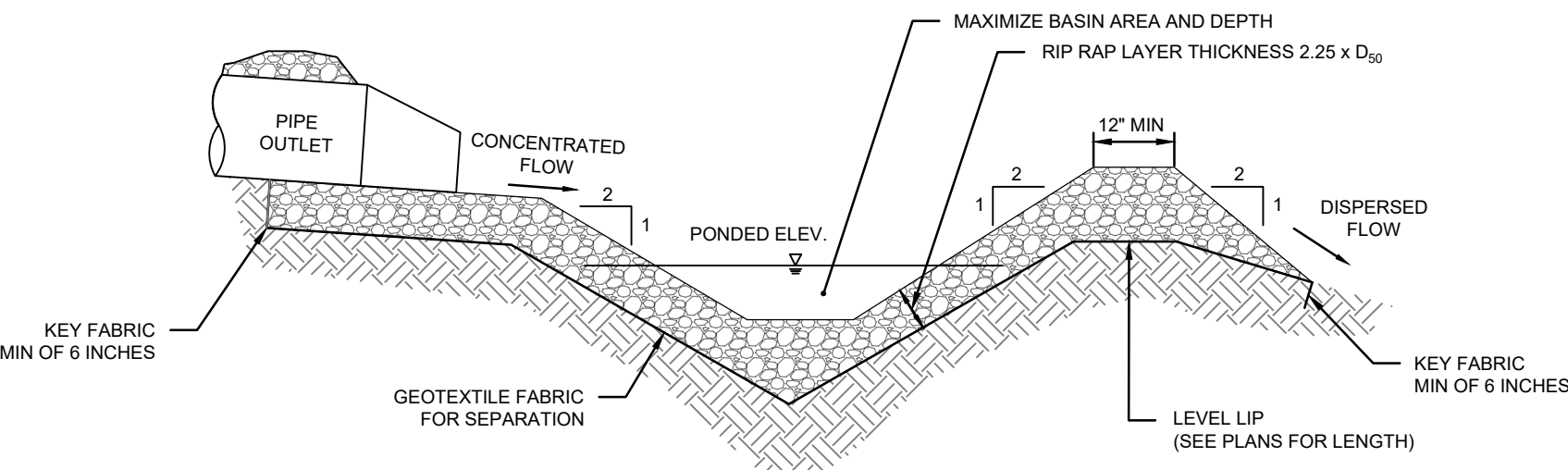
SECTION

**VEGETATED CONVEYANCE DITCH WITH CHECK DAMS**

N.T.S.



PLAN



SECTION

**PLUNGE POOL**

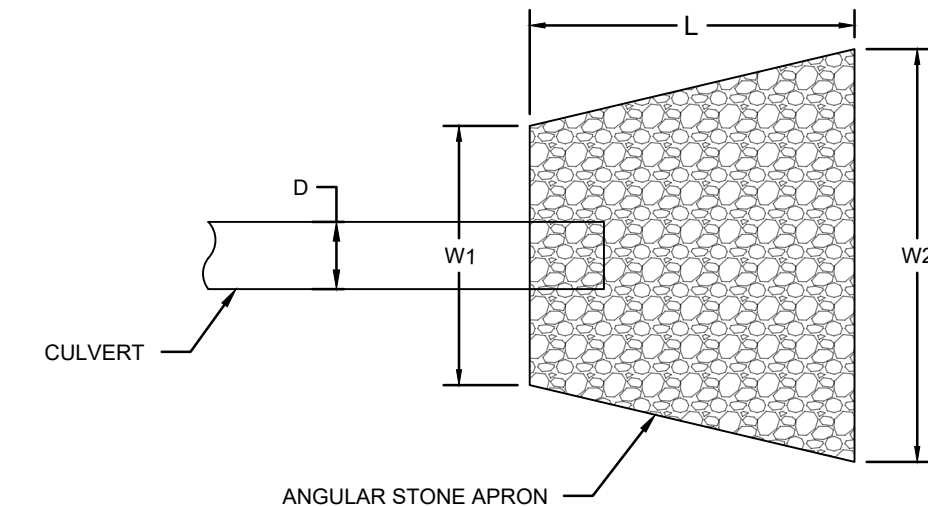
N.T.S.

PLUNGE POOL SIZING (MINIMUM)		
PIPE SIZE	RIPRAP SIZING (D50)	WIDTH AT THE NARROW END OF PIPE
15 IN	5 IN	4'-0"
18 IN	8 IN	4'-0"
24 IN	10 IN	6'-0"

FOR END OF VEGETATED CONVEYANCE DITCH SIZING

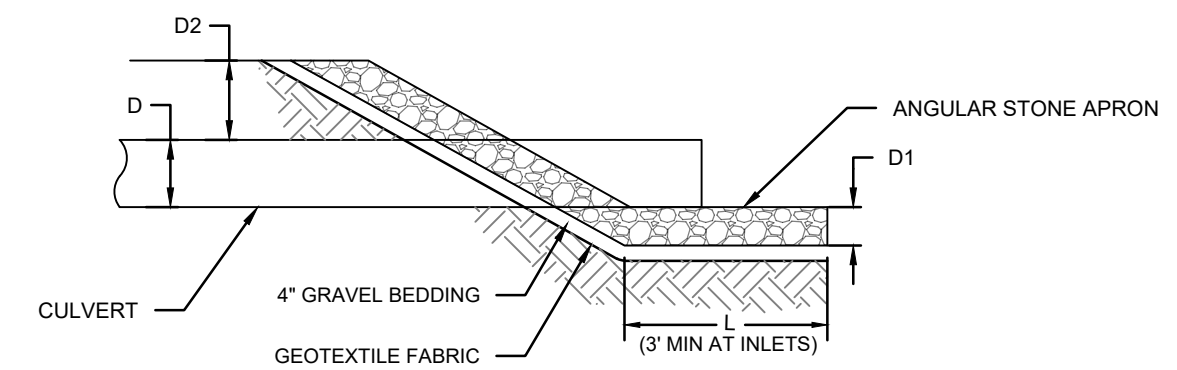
NOTE:

THE DIAMETER OF THE LARGEST STONE SIZE IN THE MIX SHOULD BE 1.5 TIMES THE D50 AND THE SMALLEST STONE ONE HALF THE SIZE.



PLAN VIEW

D	W1	W2	L	D50
15 IN	4'	14'	10'	4 IN
18 IN	5'	15'	10'	6 IN
24 IN	6'	16'	12'	6 IN



SECTION VIEW

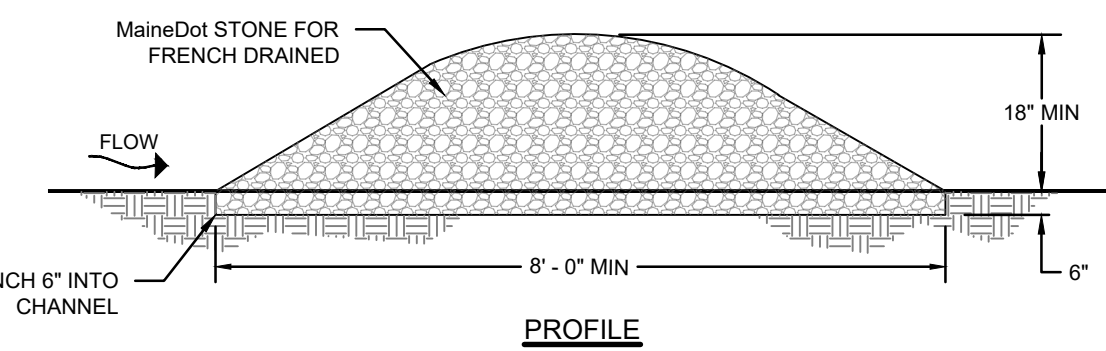
D	D1	D2	D50
15 IN	9 IN	24 IN	4 IN
18 IN	13.5 IN	24 IN	6 IN
24 IN	13.5 IN	24 IN	6 IN

NOTE:

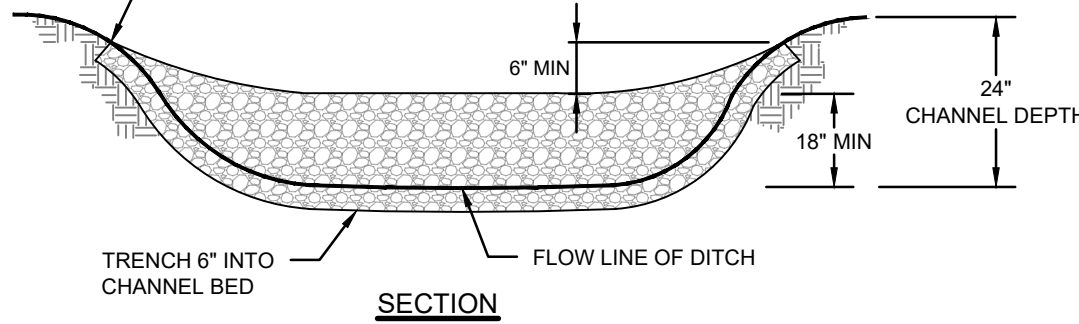
THE RIPRAP APRON SHALL BE CONSTRUCTED WITH NO SLOPE ALONG ITS LENGTH.

**INLET AND OUTLET PROTECTION DETAIL**

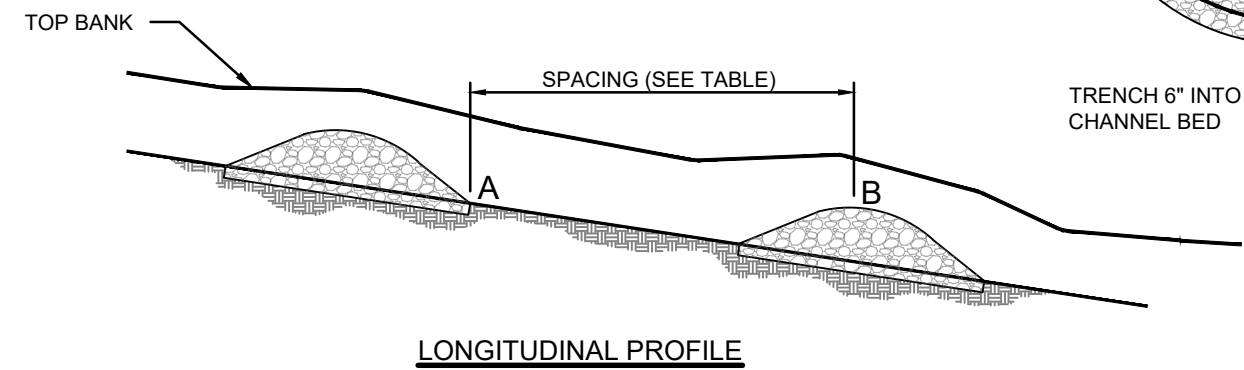
N.T.S.



PROFILE



SECTION



LONGITUDINAL PROFILE

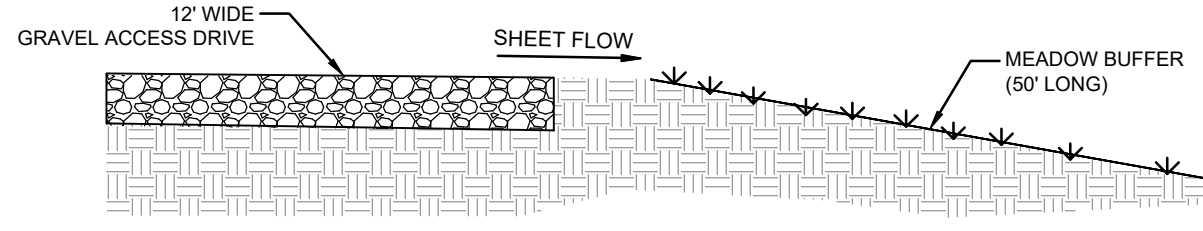
NOTES:

- THE MAXIMUM HEIGHT OF THE CHECK DAM AT THE CENTER SHALL BE 2 FEET WITH A 6" DEPRESSION AT ITS CENTER FOR OVERFLOW.
- MAXIMUM SPACING SHALL BE SO THE TOE OF THE UPSTREAM DAM IS THE SAME ELEVATION AS THE TOP OF THE DOWNSTREAM DAM.

CHANNEL SLOPE	CHECK DAM SPACING
1%	150 FT.
2%	75 FT.
3%	50 FT.
4%	38 FT.
5%	30 FT.

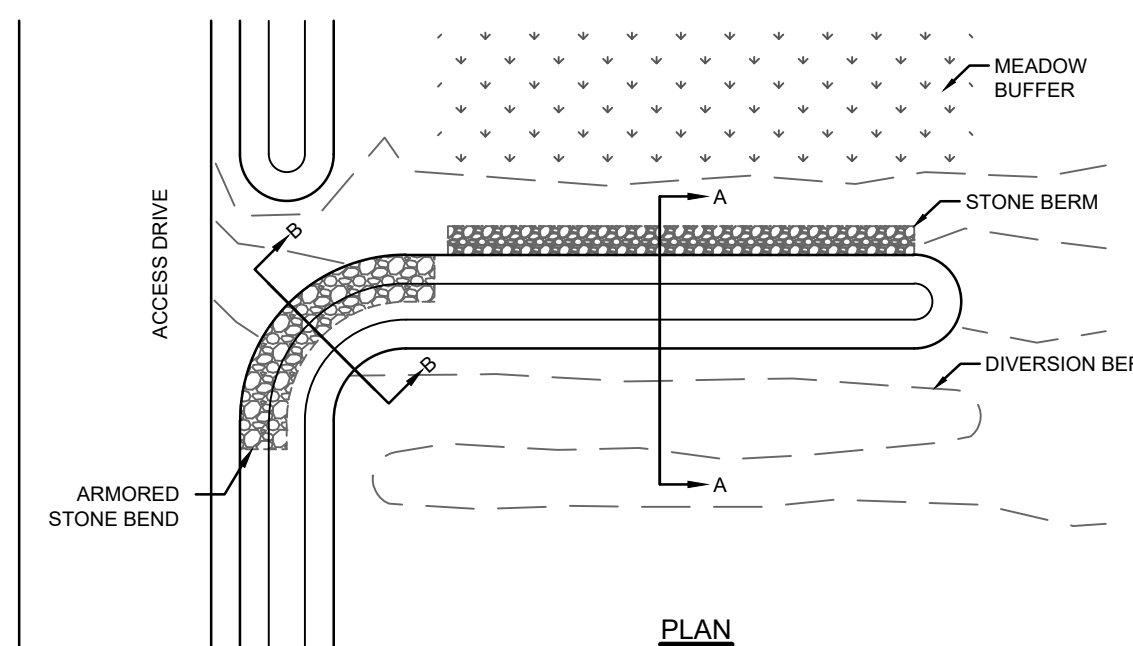
**STONE CHECK DAM**

N.T.S.

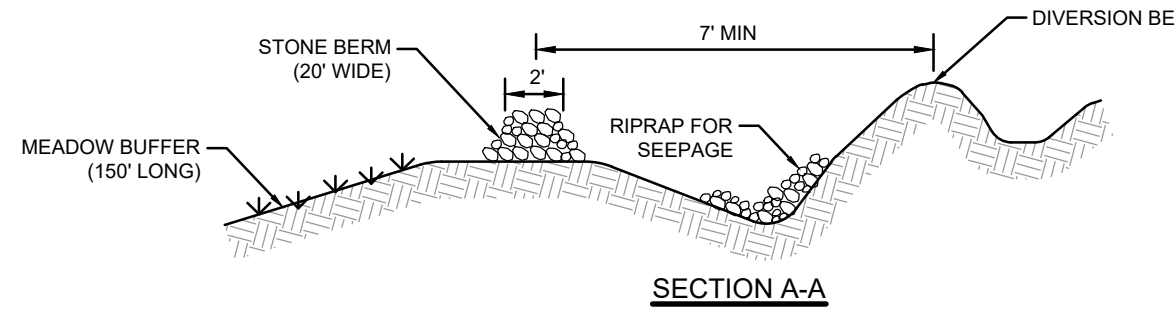


**ROADSIDE BUFFER**

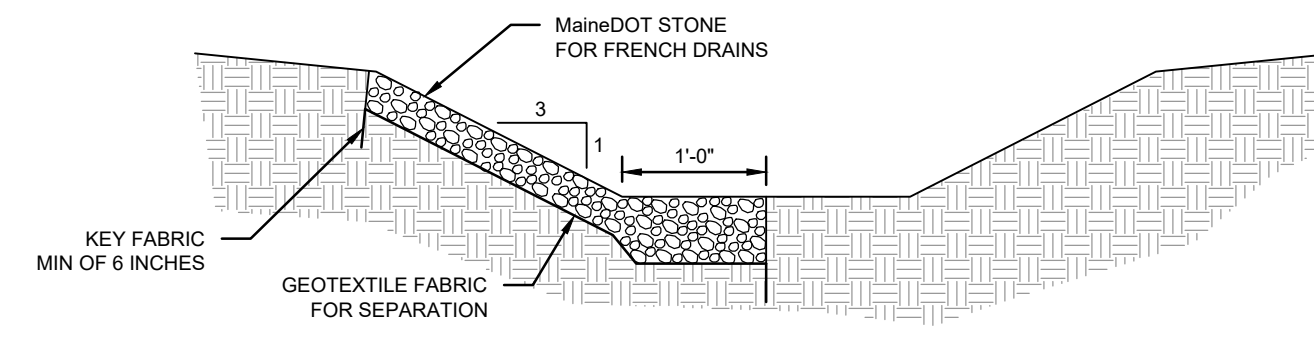
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PLAN



SECTION A-A



SECTION B-B

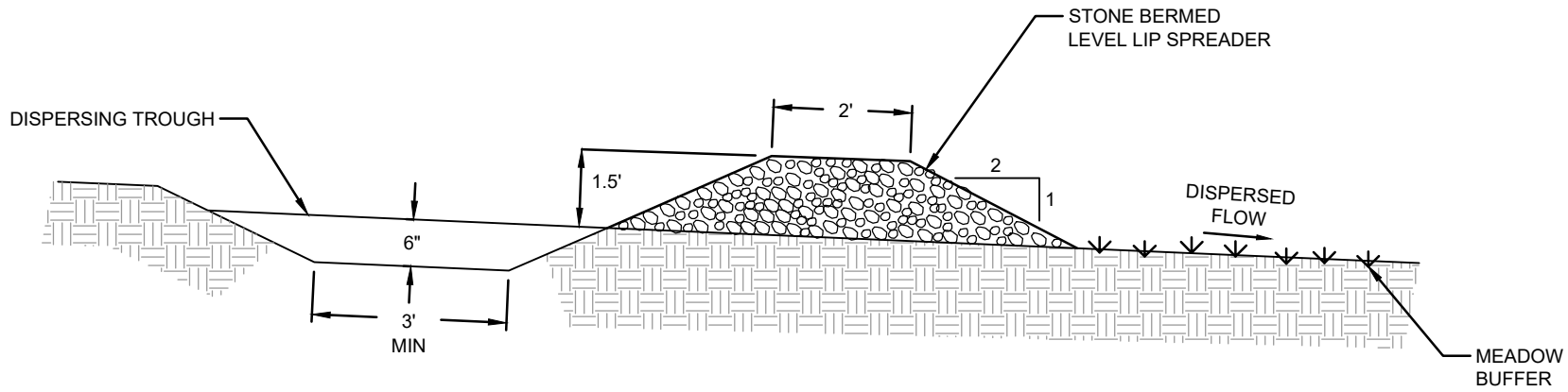
NOTES:

- THE TURNOUT SHOULD EXTEND INTO THE SIDE DITCH OR CUT SLOPE IN A MANNER THAT IT INTERCEPTS THE DITCH RUNOFF AND CARRIES IT INTO THE BUFFER AREA.
- STONE BERM SHALL BE CONSTRUCTED ALONG THE CONTOUR (CLOSED AT THE ENDS), SHALL BE AT LEAST 1.5 FEET HIGH AND TWO FEET ACROSS THE TOP WITH 2:1 SIDE SLOPES.
- STONE FOR STONE BERMED LEVEL LIP SPREADERS MUST BE WELL GRADED WITH A MEDIAN SIZE OF APPROXIMATELY 3 INCHES AND A MAXIMUM SIZE OF 6 INCHES PER THE FOLLOWING TABLE.

STONE FOR BERMED LEVEL SPREADER SPECIFICATIONS	
SIEVE SIZE	% BY WEIGHT PASSING
12 IN	100
6 IN	84-100
3 IN	68-83
1 IN	42-55
#4	8-12

**DITCH TURNOUT BUFFER**

N.T.S.



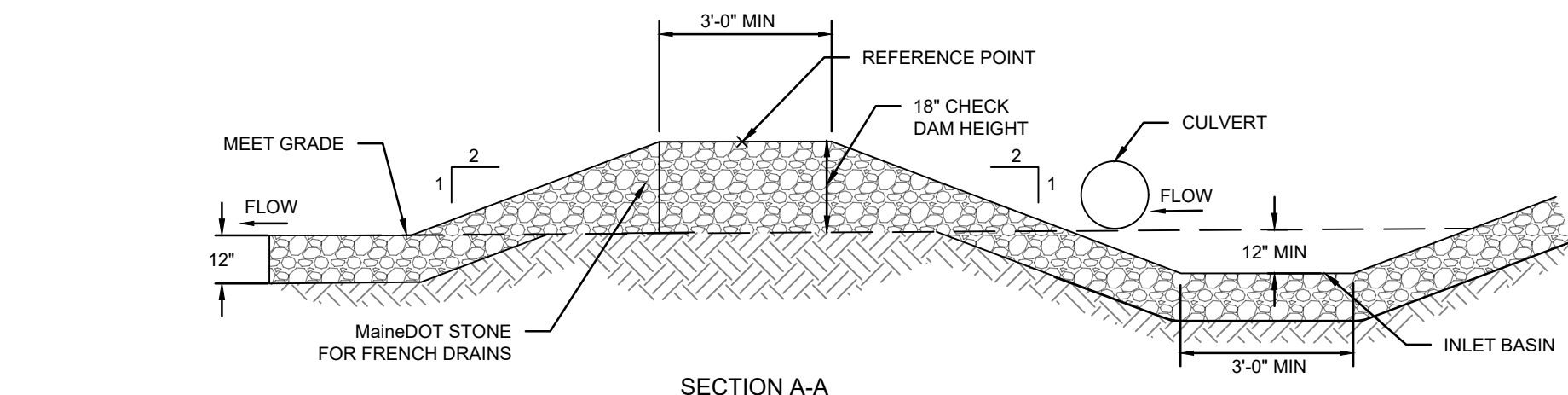
**STONE BERMED LEVEL LIP SPREADER**

N.T.S.

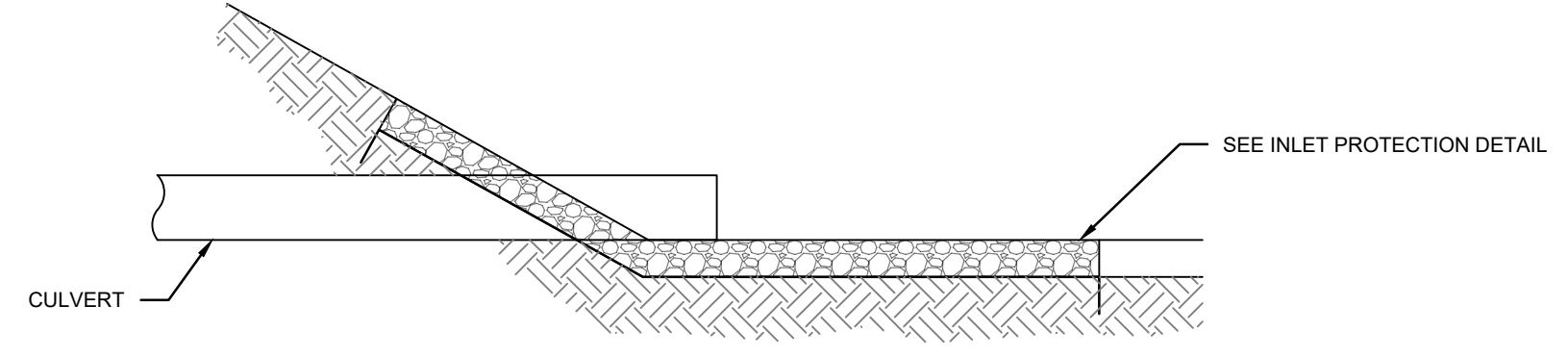
NOTES:

- VEGETATED BUFFER FOLLOWING THE STONE BERM LEVEL LIP SPREADER THAT IS LOCATED ON A FILL SLOPE OR ON A RESHAPED SLOPE MUST BE ISOLATED FROM STORMWATER RUNOFF UNTIL DENSE VEGETATION IS ESTABLISHED OR THE BUFFER AREA MUST BE PROTECTED BY 3-IN LAYER OF EROSION CONTROL MIX OR OTHER APPROPRIATE WOODWASTE MATERIALS.
- STONE FOR STONE BERMED LEVEL LIP SPREADER MUST BE WELL GRADED WITH A MEDIAN SIZE OF APPROXIMATELY 3 INCHES AND A MAXIMUM SIZE OF 6 INCHES PER THE FOLLOWING TABLE:

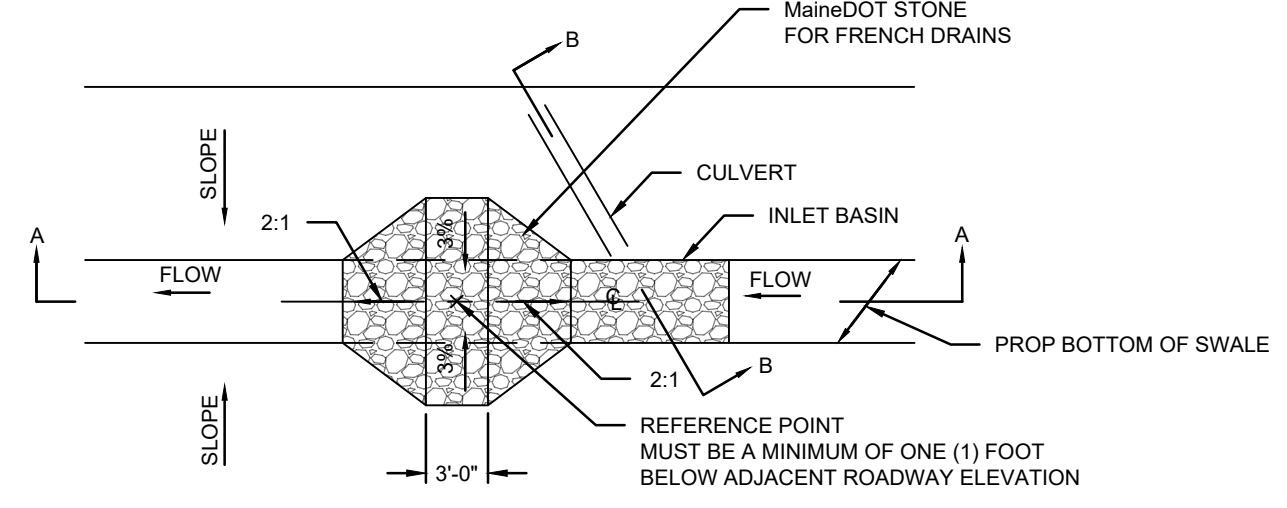
STONE FOR BERMED LEVEL SPREADER SPECIFICATIONS	
SIEVE SIZE	% BY WEIGHT PASSING
12 IN	100
6 IN	84-100
3 IN	68-83
1 IN	42-55
#4	8-12



SECTION A-A



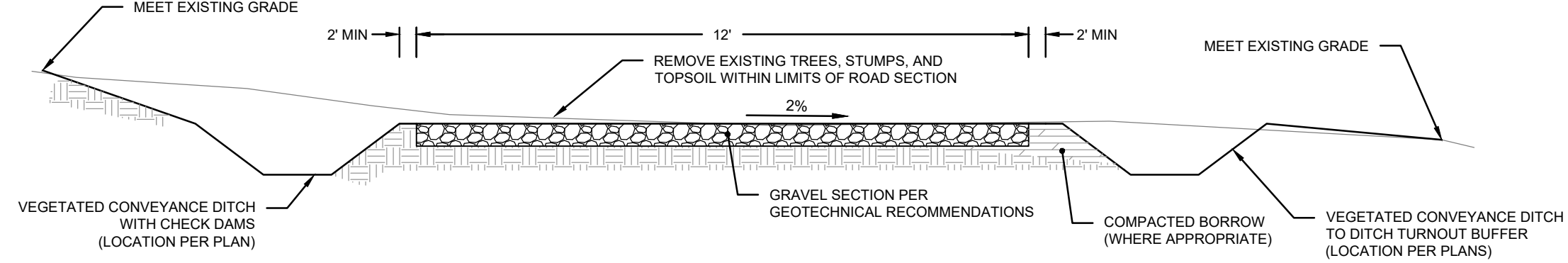
SECTION B-B



PLAN

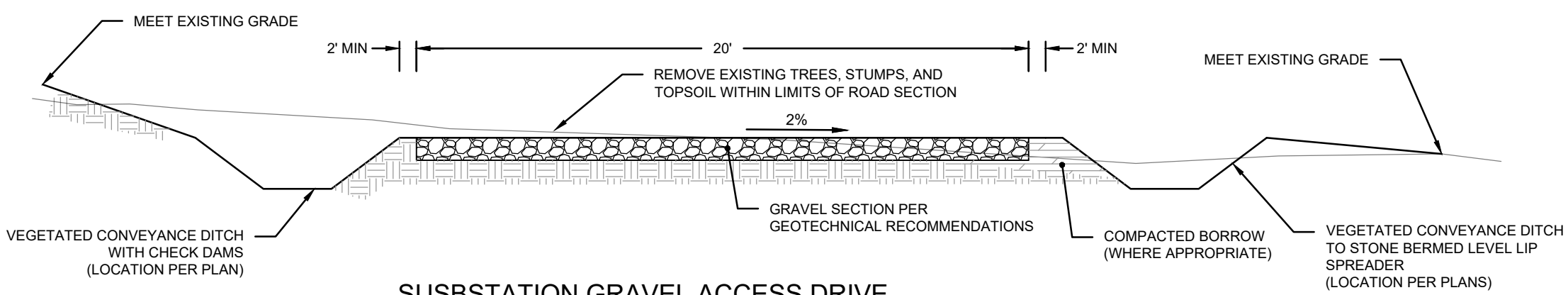
**DITCH BLOCK WITH INLET BASIN**

N.T.S.



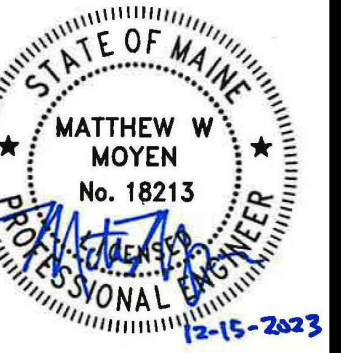
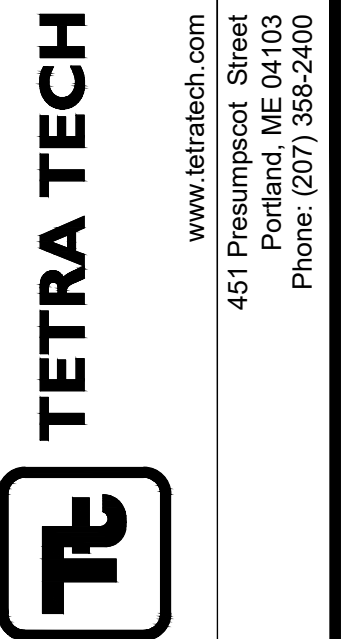
**GRAVEL ACCESS DRIVE**

N.T.S.



**SUBSTATION GRAVEL ACCESS DRIVE**

N.T.S.



BY	DATE	DESCRIPTION
MWM	12/15/23	ISSUE FOR PERMIT

Hartland Solar Facility, LLC  
Hartland Solar Project  
Town of Hartland, Somerset County, Maine  
Maine DEP Permit Drawings  
Erosion and Sedimentation Control Plans

PROJ:	143-67639-21004
DESN:	NRK
DRWN:	AHS
CHKD:	MWM

**C-28**