

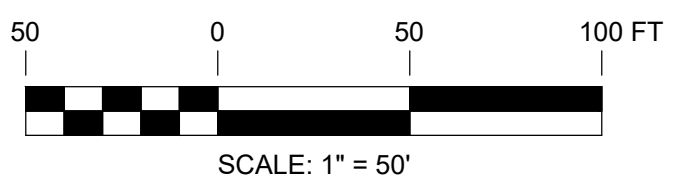
KEY MAP
SCALE: 1" = 3,000'

AREA 2A

FOR CONTINUATION, SEE DRAWING C-038

327851-HIGH RIVER-GRADING 001.dwg - 2019.09.13

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



PRELIMINARY
NOT FOR CONSTRUCTION



TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

PGT
DESIGNED
ESB
DRAWN
CHECKED
APPROVED

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY
FLORIDA

REVIEW 1
REVIEW 2

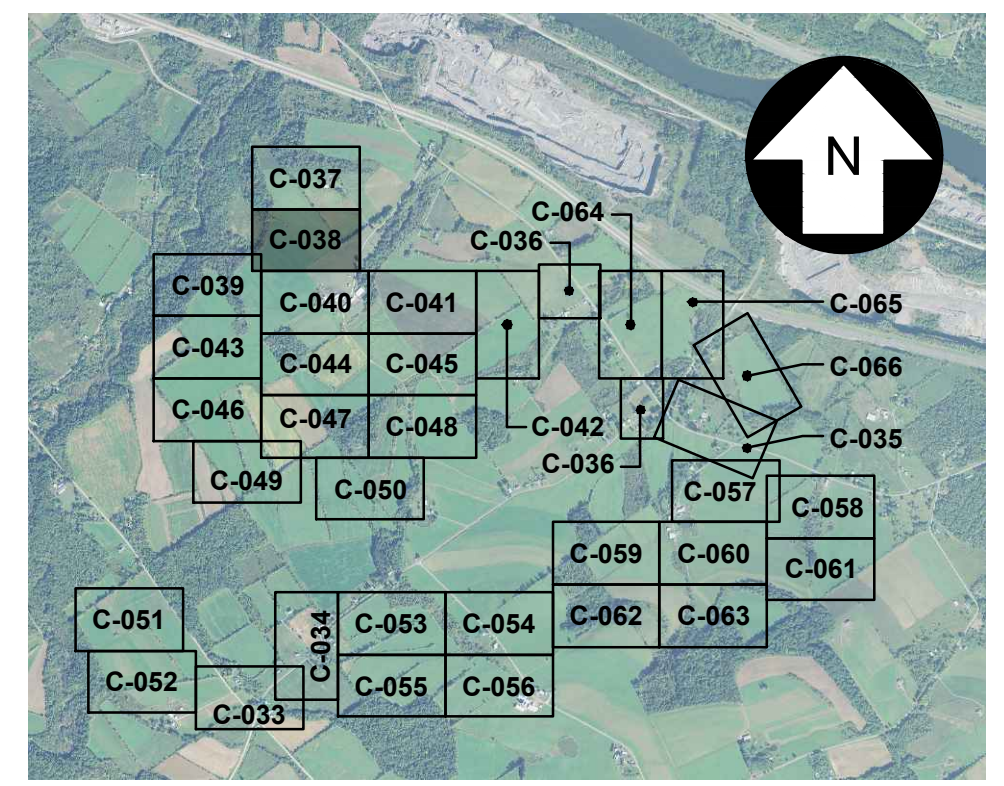
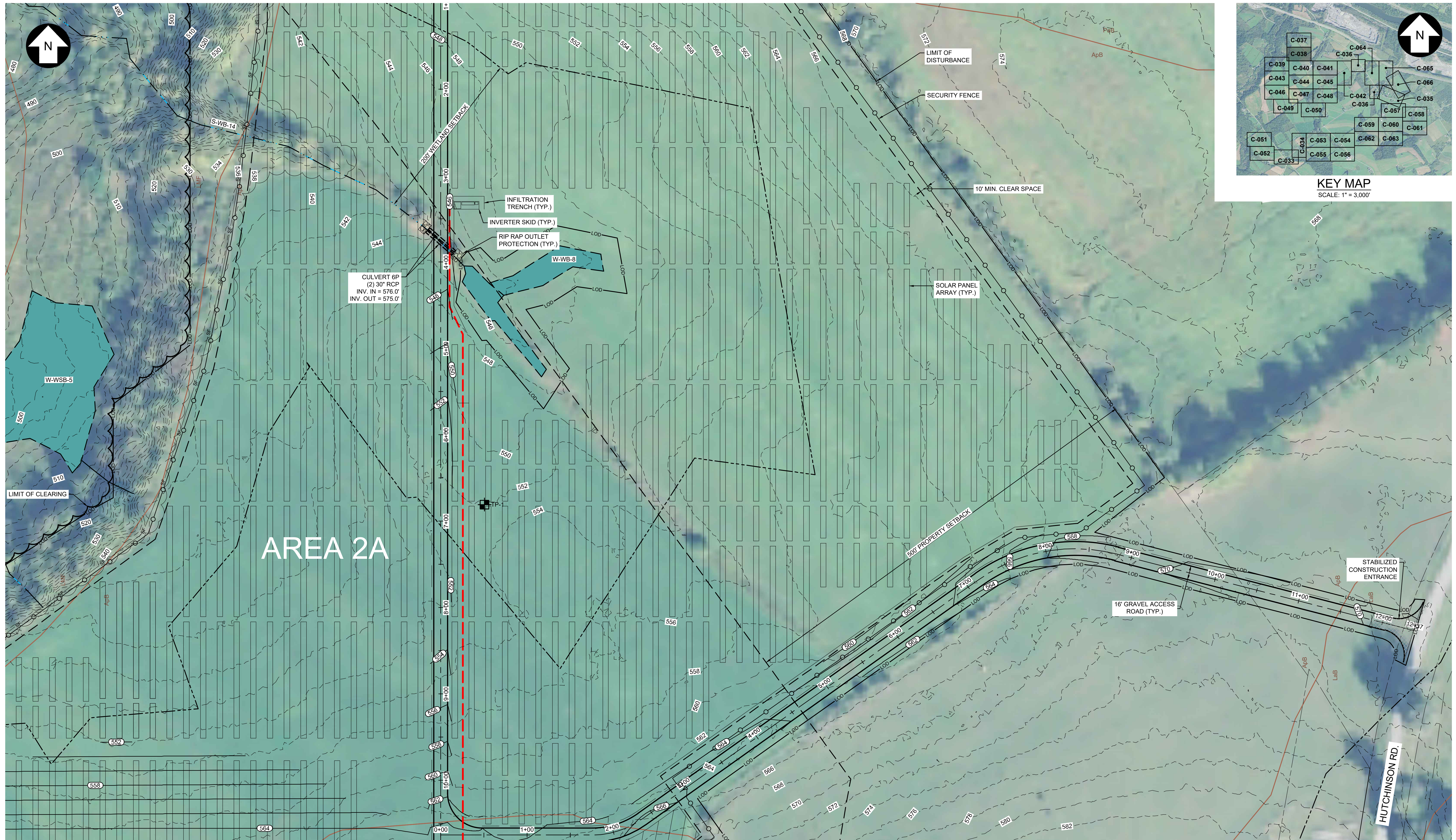
04/08
DATE
AS NOTED
SCALE



C-037

REV. E

FOR CONTINUATION, SEE DRAWING C-037

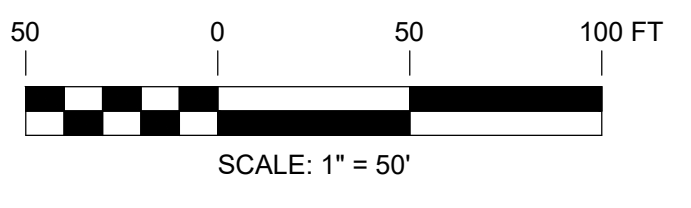


KEY MAP
SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-040

327851-HIGH RIVER-GRADING 002.dwg 2019.10.01

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



PRELIMINARY
NOT FOR CONSTRUCTION



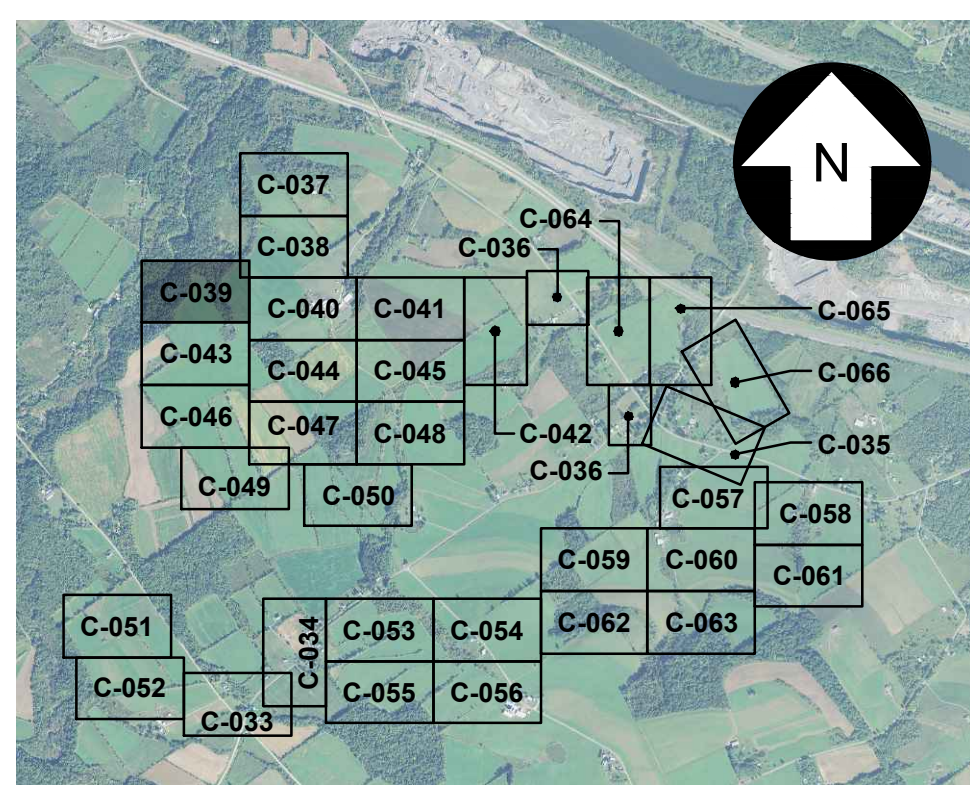
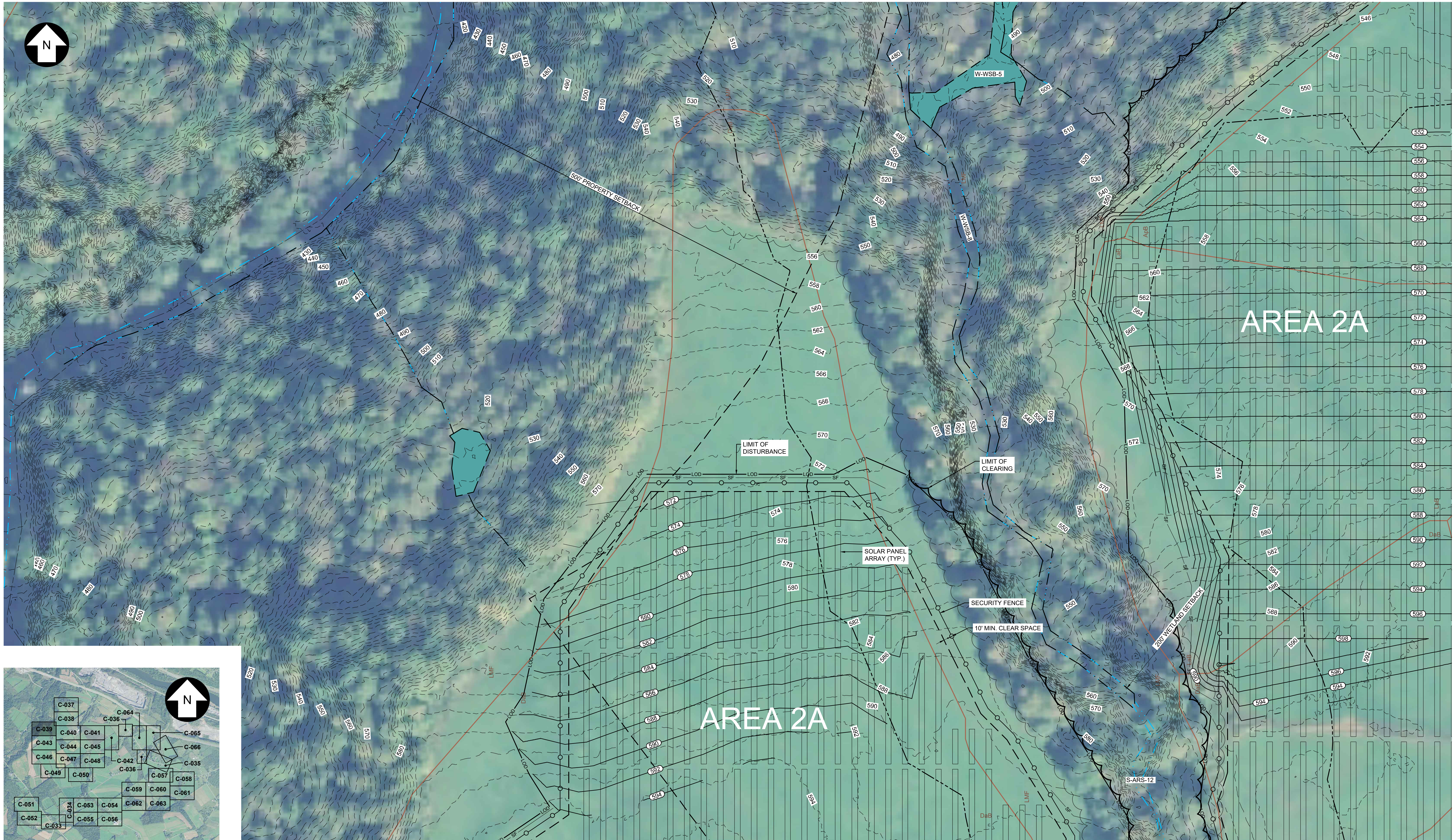
REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
	E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
	D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
	C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
	B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DATE	DES	CHK	APP
E	09-12-19	CMW	PGT	
D	08-21-19	DED	PGT	
C	08-09-19	SEK	PGT	
B	07-19-19	SEK	PGT	

PGT DESIGNED	PRELIMINARY GRADING & DRAINAGE PLAN HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC MONTGOMERY CO., NY	FLORIDA 	C-038 REV. E
ESB DRAWN			
CHECKED			
APPROVED			
REVIEW 1	04/08 DATE		
REVIEW 2	AS NOTED SCALE		



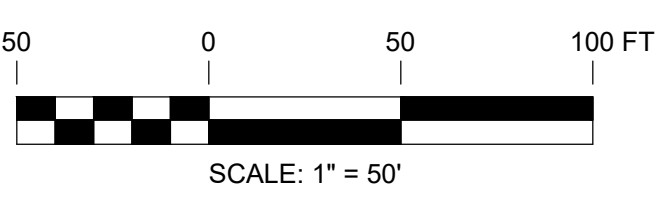
KEY MAP
SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-043

FOR CONTINUATION, SEE DRAWING C-040

327851-HIGH RIVER-GRADING 003.dwg - 2019.09.17

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



PRELIMINARY
NOT FOR CONSTRUCTION



REV	DESCRIPTION	DATE	DES	CHK	APP
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

PGT
DESIGNED
ESB
DRAWN
CHECKED
APPROVED

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

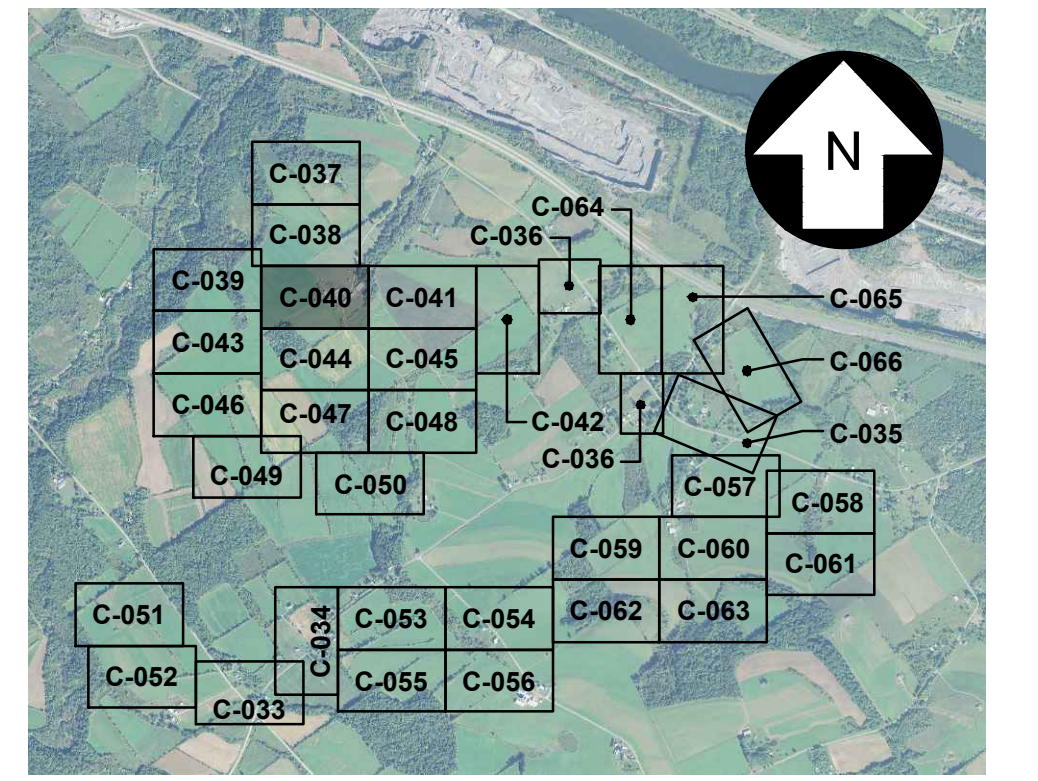
FLORIDA
REVIEW 1
REVIEW 2



C-039

REV.
E

FOR CONTINUATION, SEE DRAWING C-038



KEY MAP
SCALE: 1" = 3,000'

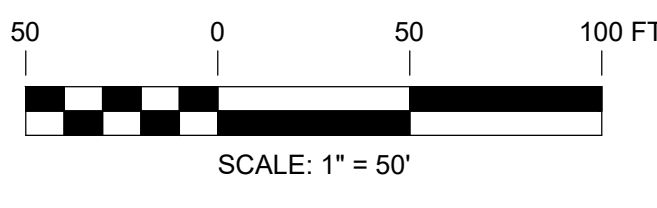
FOR CONTINUATION, SEE DRAWING C-039

FOR CONTINUATION, SEE DRAWING C-041

FOR CONTINUATION, SEE DRAWING C-044

327851-HIGH RIVER-GRADING 004.dwg 2019.09.13

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



PRELIMINARY
NOT FOR CONSTRUCTION



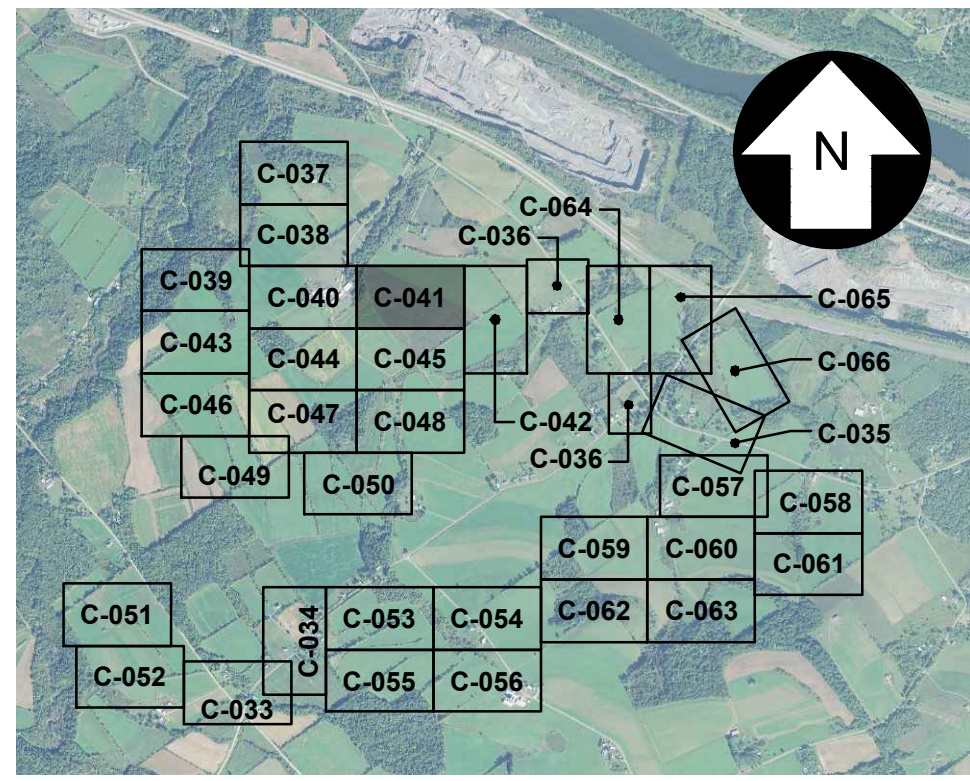
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	E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
	D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
	C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
	B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

TRC 249 Western Avenue
Augusta, ME 04330

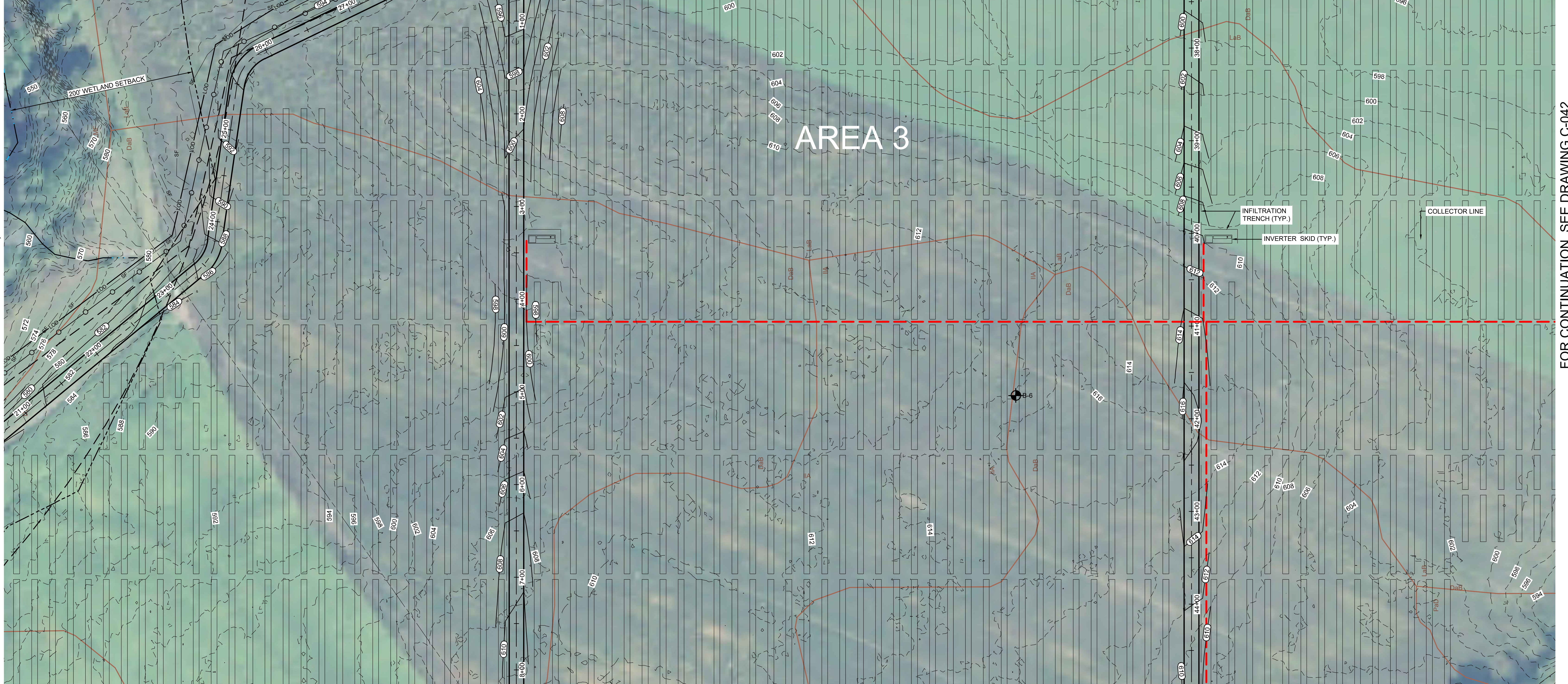
PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
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D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

PGT DESIGNED	PRELIMINARY GRADING & DRAINAGE PLAN HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC MONTGOMERY CO., NY	FLORIDA 	C-040	REV. E
ESB DRAWN				
CHECKED				
APPROVED				
REVIEW 1 DATE: 04/08 AS NOTED SCALE:				



KEY MAP
SCALE: 1" = 3,000'



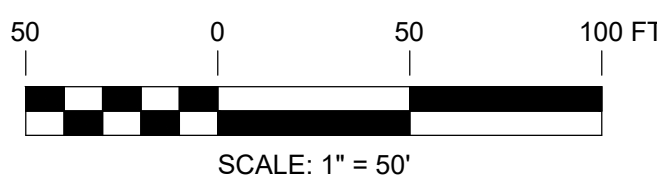
FOR CONTINUATION, SEE DRAWING C-040

FOR CONTINUATION, SEE DRAWING C-042

FOR CONTINUATION, SEE DRAWING C-045

327851-HIGH RIVER-GRADING 005.dwg 2019.10.02

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



PRELIMINARY
NOT FOR CONSTRUCTION



REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
	E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
	D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
	C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
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TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

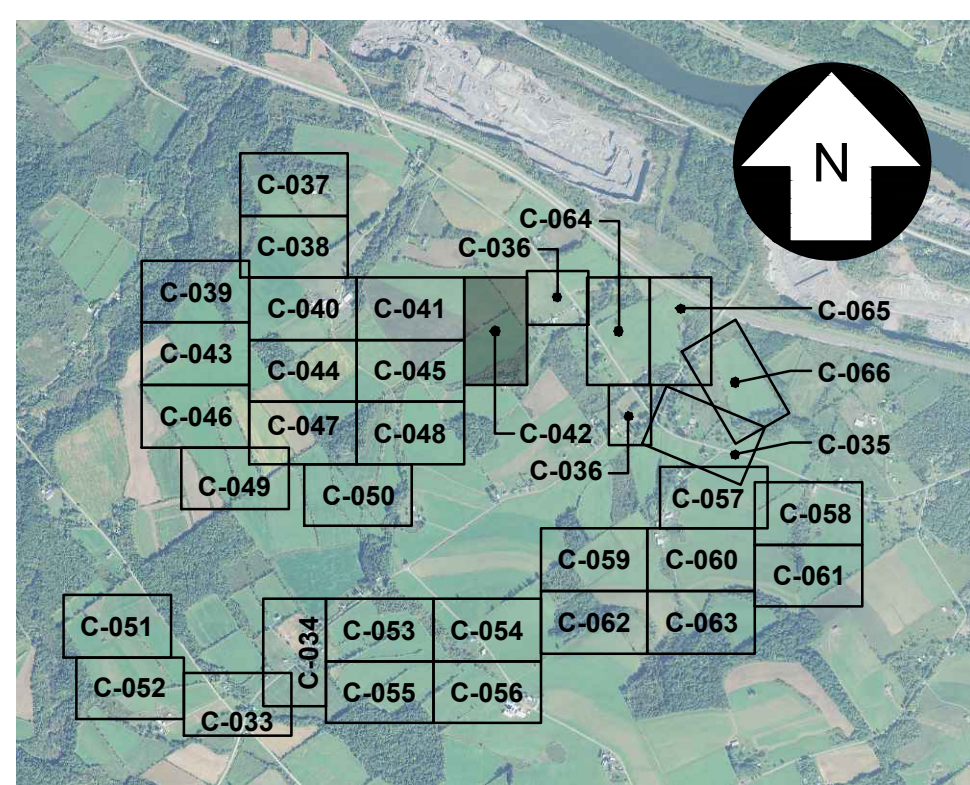
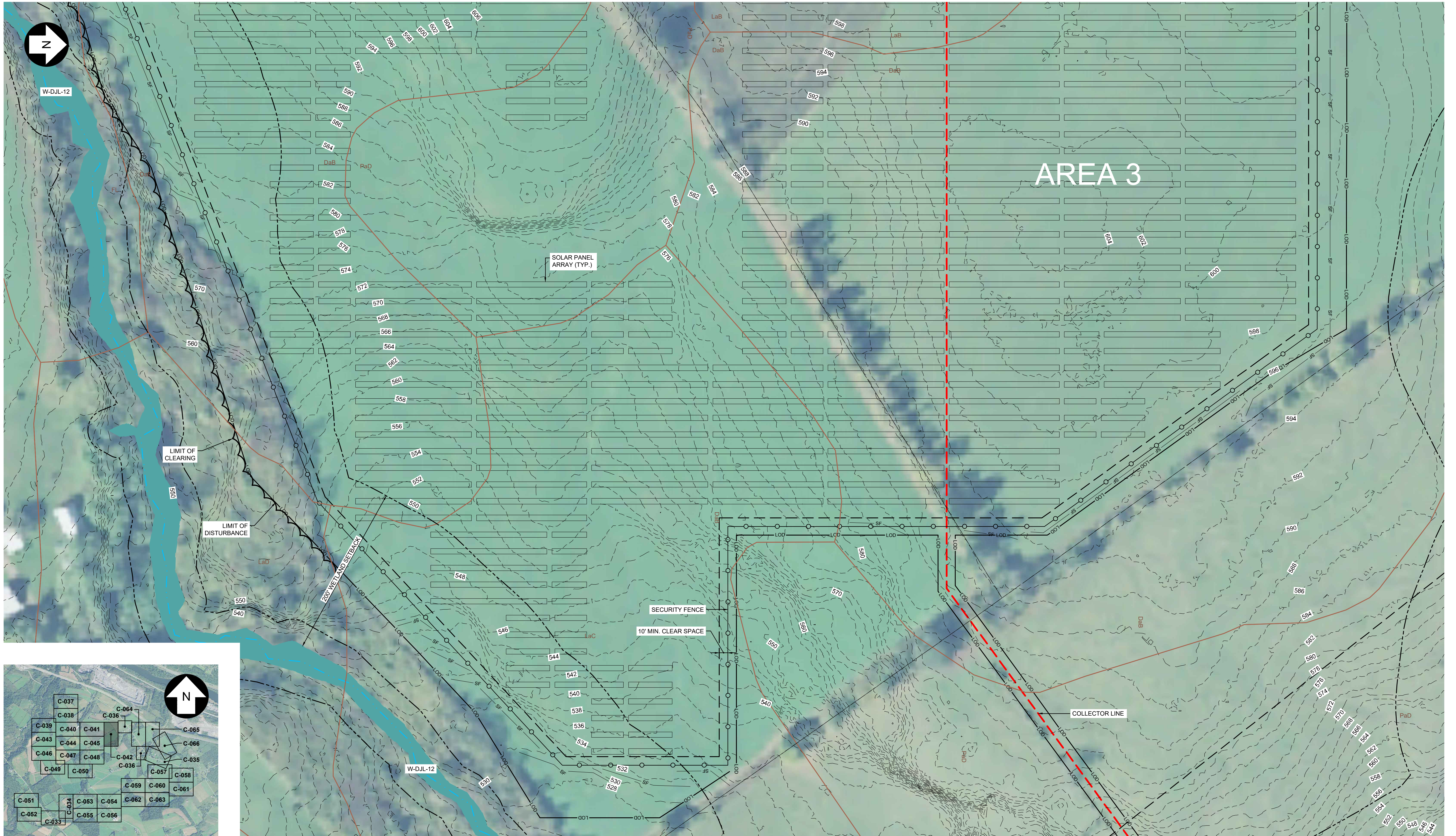
PGT
DESIGNED
ESB
DRAWN
CHECKED
APPROVED

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

FLORIDA
REVIEW 1
REVIEW 2
DATE
AS NOTED
SCALE
TRC
C-041
REV.
E

FOR CONTINUATION, SEE DRAWING C-045

FOR CONTINUATION, SEE DRAWING C-041

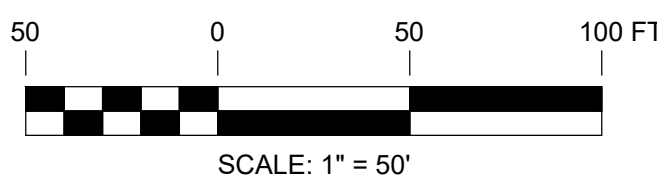


KEY MAP
SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-036

327851-HIGH RIVER GRADING 006.dwg 2019.09.13

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



PRELIMINARY
NOT FOR CONSTRUCTION



TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

PGT
DESIGNED

ESB
DRAWN

CHECKED

APPROVED

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

FLORIDA

REVIEW 1

REVIEW 2

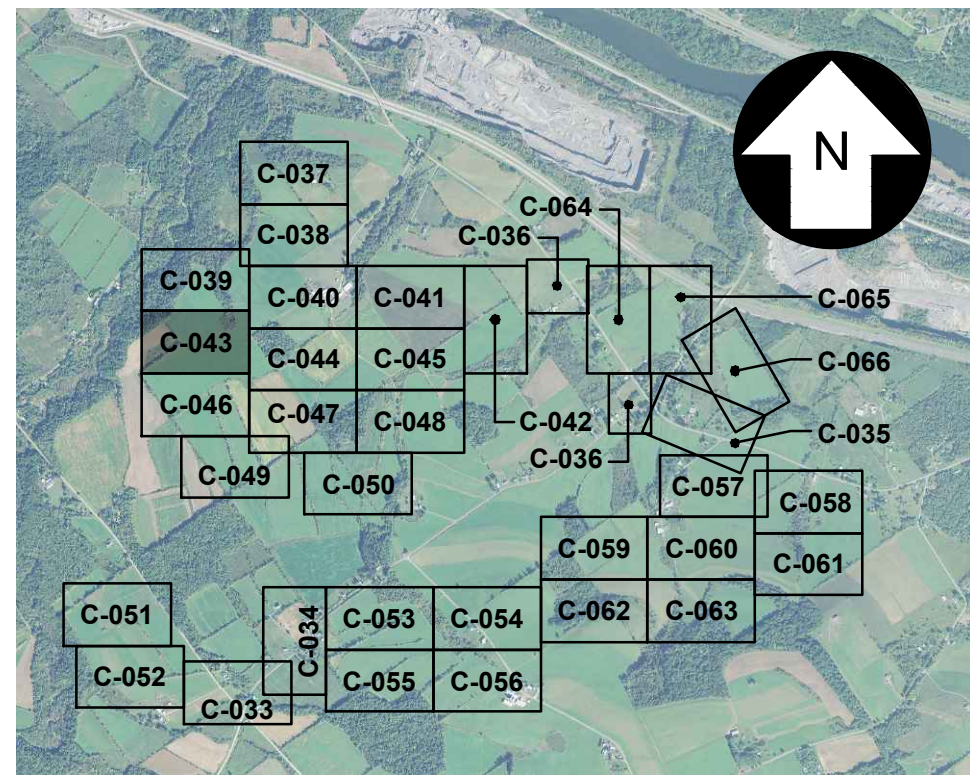
04/08
DATE
AS NOTED
SCALE



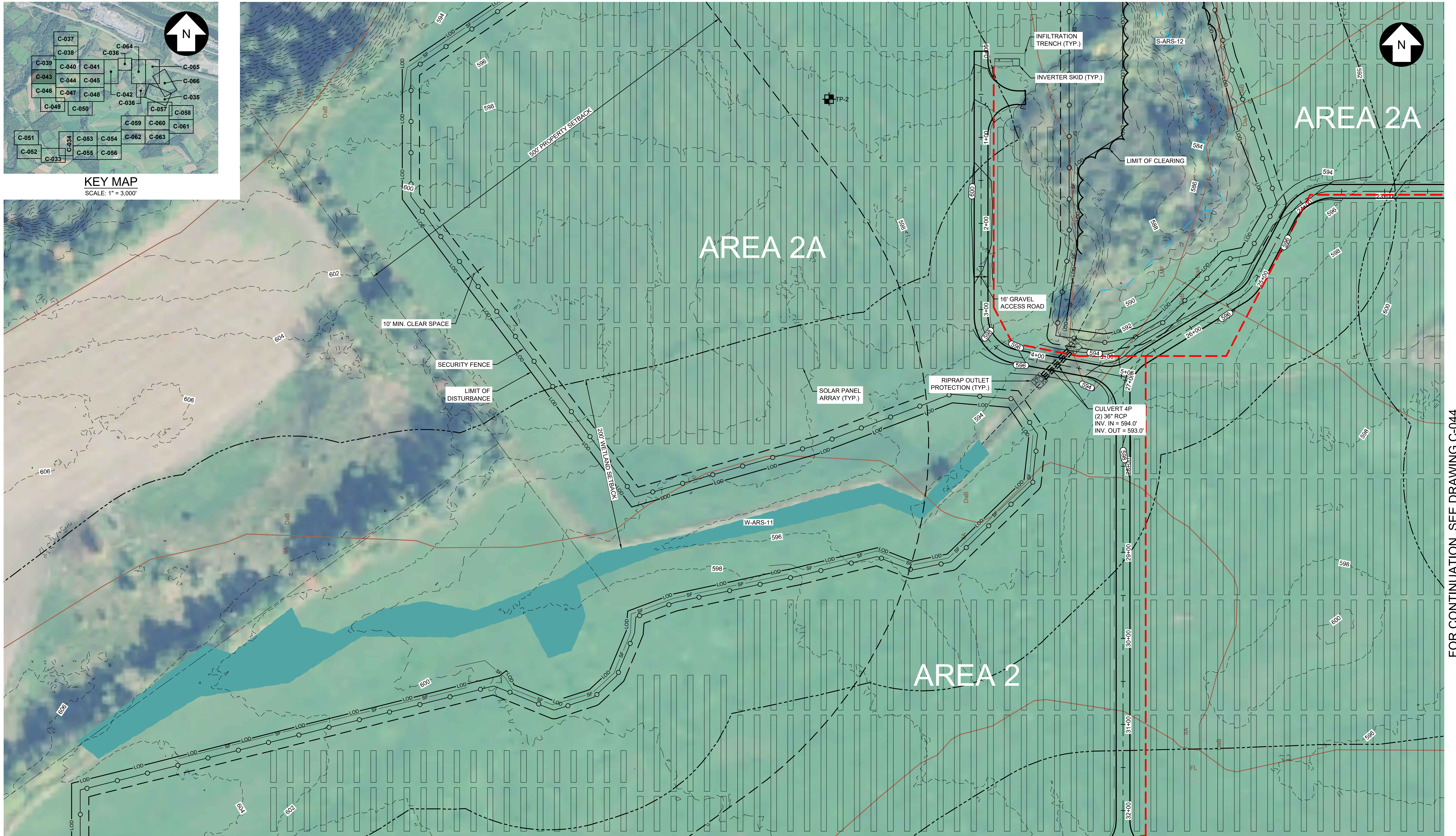
C-042

REV. E

FOR CONTINUATION, SEE DRAWING C-039



KEY MAP
SCALE: 1" = 3,000'

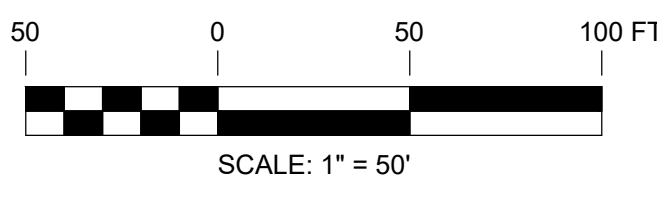


FOR CONTINUATION, SEE DRAWING C-046

FOR CONTINUATION, SEE DRAWING C-044

327851-HIGH RIVER-GRADING 007.dwg 2019.09.13

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



PRELIMINARY
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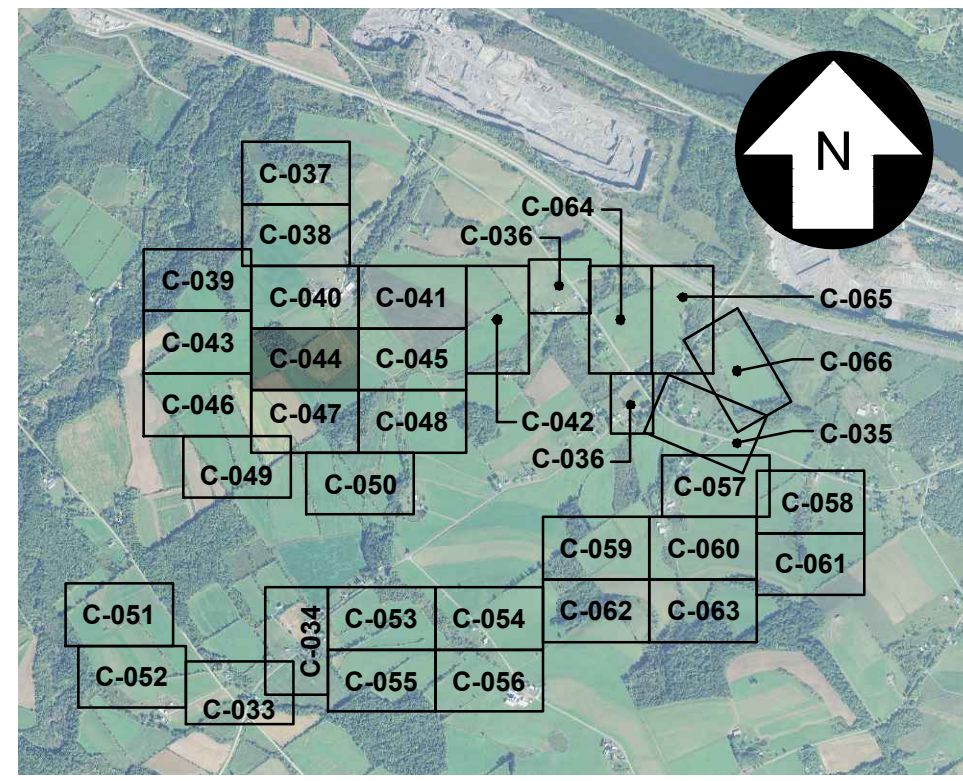


REFERENCE ITEMS	REV	DESCRIPTION
	E	ISSUED FOR ARTICLE 10 SUBMISSION
	D	ISSUED FOR CLIENT REVIEW
	C	ISSUED FOR CLIENT REVIEW
	B	ISSUED FOR CLIENT REVIEW

	249 Western Avenue Augusta, ME 04330	PROJECT NO: 327851				
		REV	DATE	DES	CHK	APP
		E	09-12-19	CMW	PGT	
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		B	07-19-19	SEK	PGT	

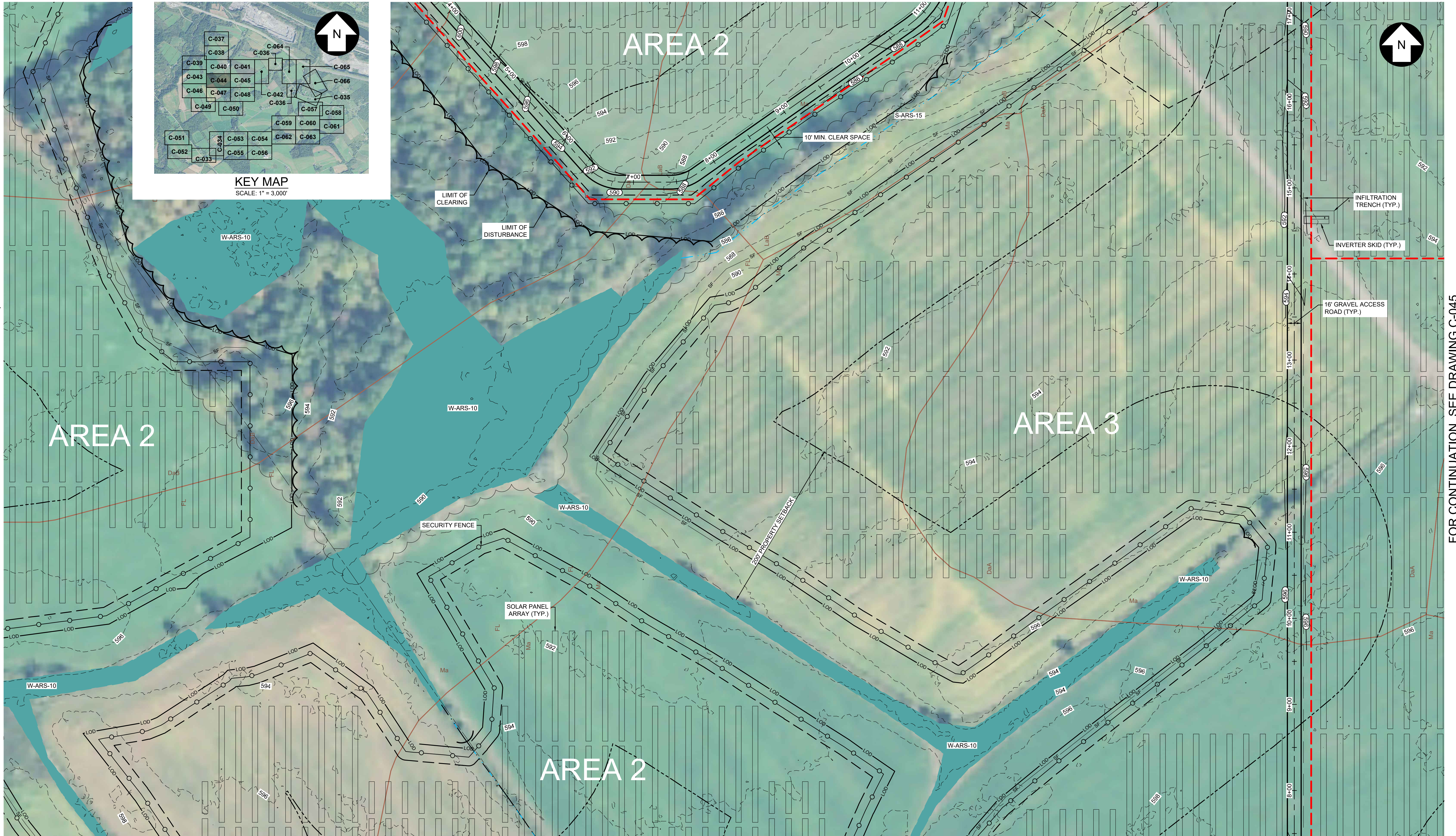
PGT DESIGNED ESB DRAWN CHECKED APPROVED	PRELIMINARY GRADING & DRAINAGE PLAN HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC MONTGOMERY CO., NY	FLORIDA	04/08 DATE AS NOTED SCALE		C-043	REV. E
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FOR CONTINUATION, SEE DRAWING C-040



KEY MAP
SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-043

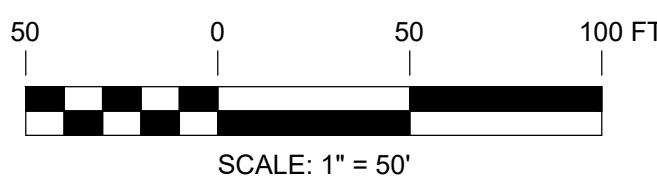


FOR CONTINUATION, SEE DRAWING C-045

FOR CONTINUATION, SEE DRAWING C-047

327851-HIGH RIVER-GRADING 008.dwg 2019.09.17

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



PRELIMINARY
NOT FOR CONSTRUCTION



REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
	E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
	D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
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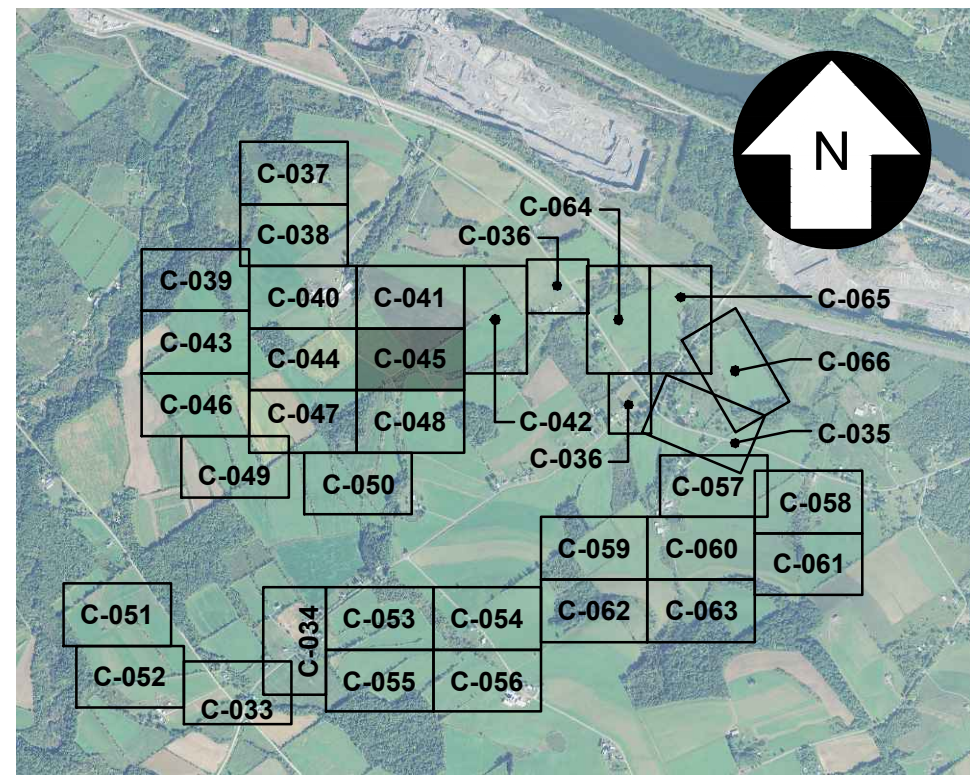
TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

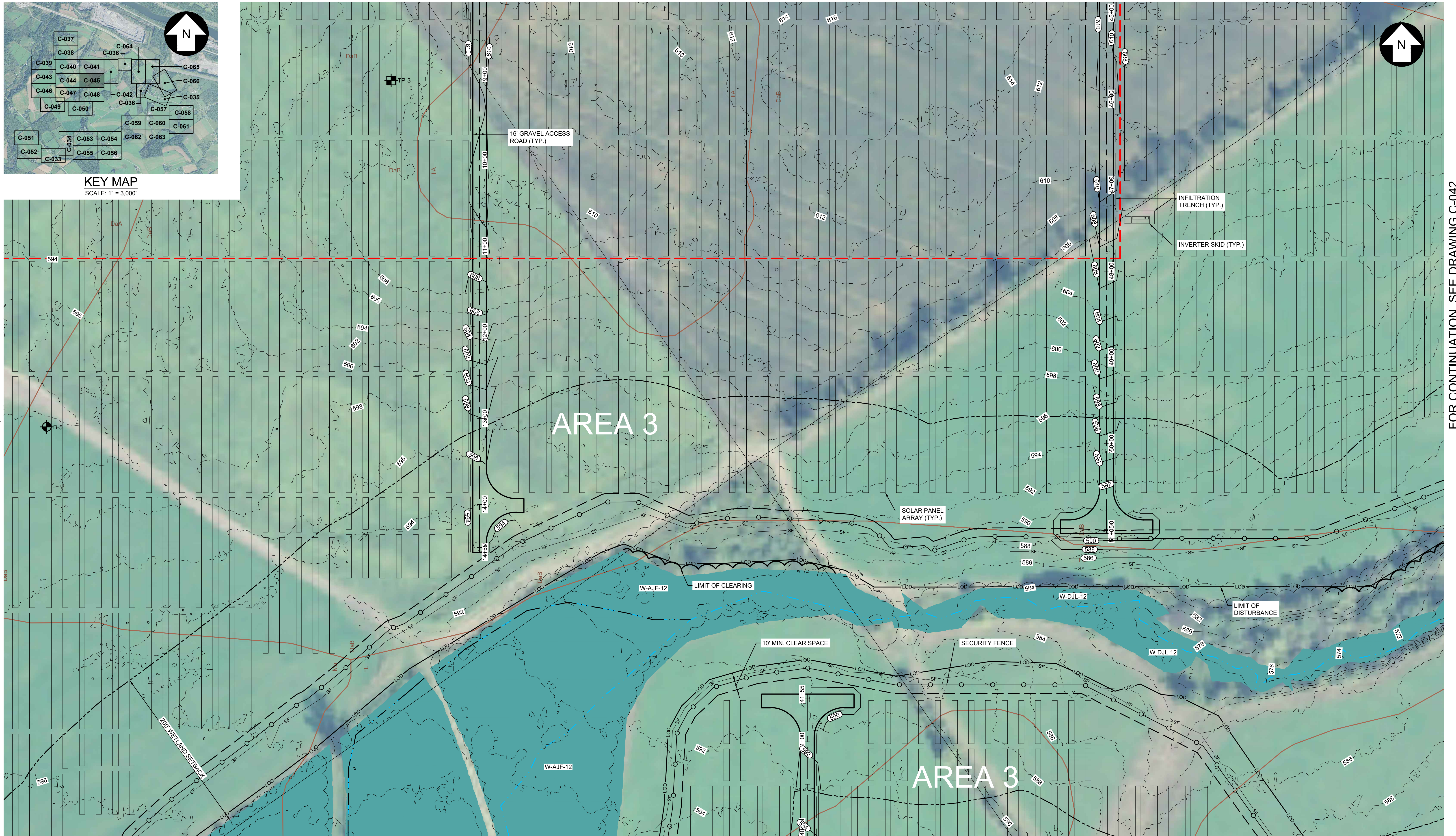
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D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

PGT DESIGNED	PRELIMINARY GRADING & DRAINAGE PLAN HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC MONTGOMERY CO., NY		C-044	REV. E
ESB DRAWN				
CHECKED				
APPROVED				
REVIEW 1 REVIEW 2	FLORIDA	04/08 DATE AS NOTED SCALE		

FOR CONTINUATION, SEE DRAWING C-041



KEY MAP
SCALE: 1" = 3,000'



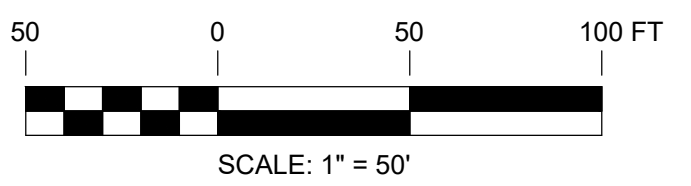
FOR CONTINUATION, SEE DRAWING C-044

FOR CONTINUATION, SEE DRAWING C-042

FOR CONTINUATION, SEE DRAWING C-048

327851-HIGH RIVER-GRADING 009.dwg 2019.09.13

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



PRELIMINARY
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TRC 249 Western Avenue
Augusta, ME 04330

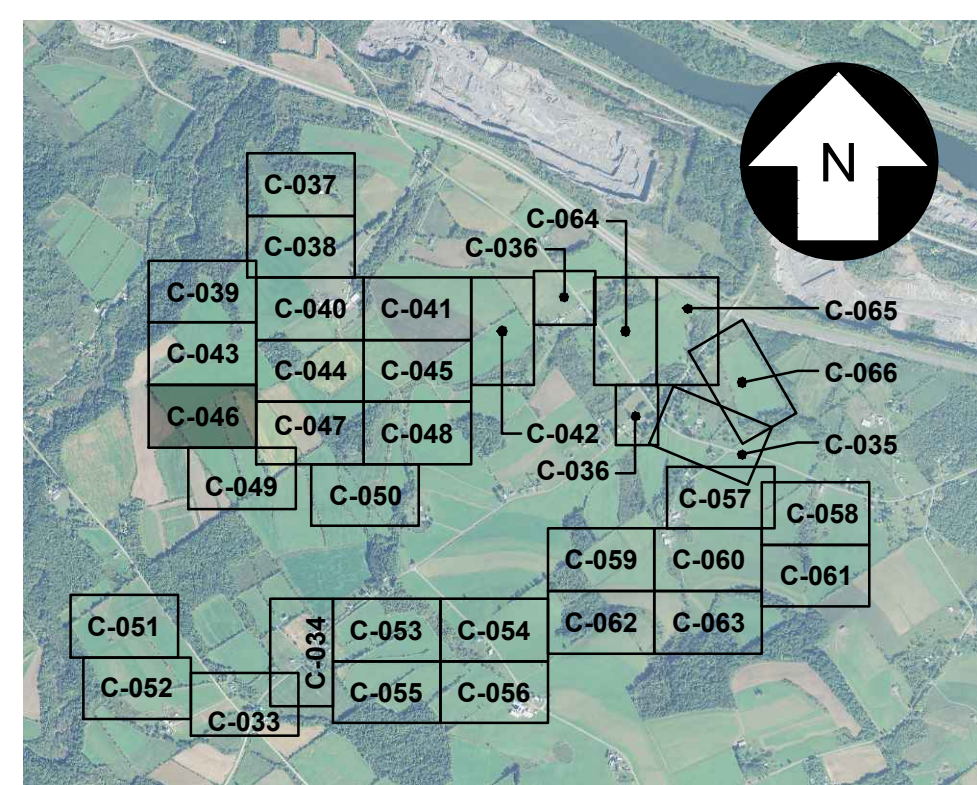
PROJECT NO: 327851

REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
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	D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
	C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
	B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

PGT DESIGNED	PRELIMINARY GRADING & DRAINAGE PLAN HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC MONTGOMERY CO., NY	FLORIDA 	C-045	REV. E
ESB DRAWN				
CHECKED				
APPROVED				
REVIEW 1	DATE	AS NOTED	SCALE	
REVIEW 2				



FOR CONTINUATION, SEE DRAWING C-047

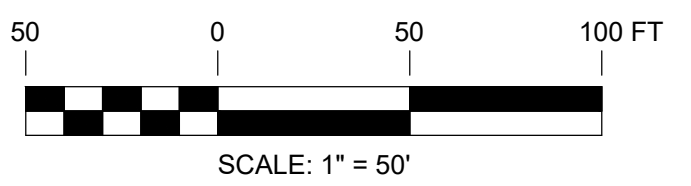


KEY MAP
SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-049

327851-HIGH RIVER-GRADING 010.dwg 2019.09.17

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



PRELIMINARY
NOT FOR CONSTRUCTION

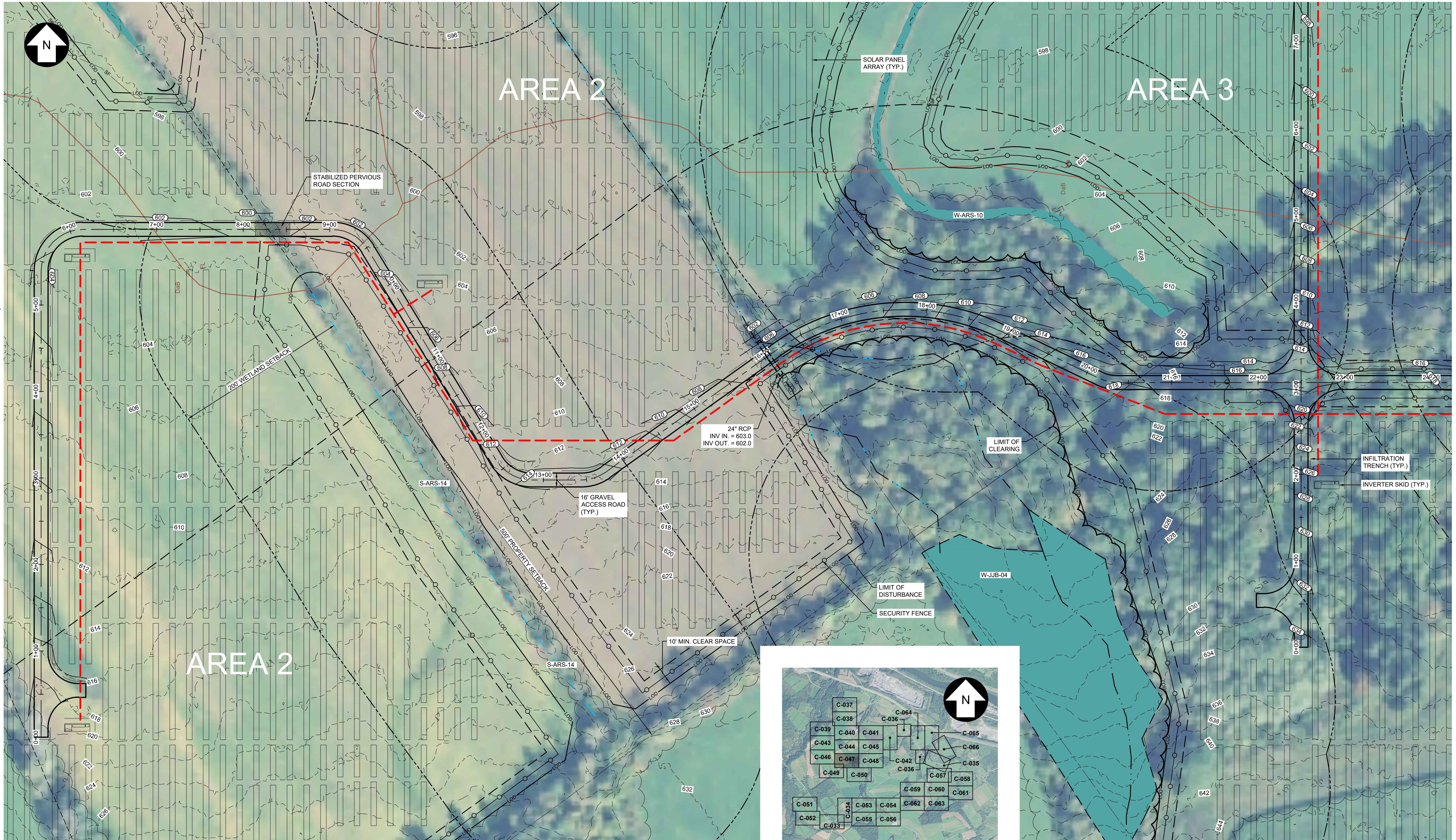


REV	DESCRIPTION	DATE	DES	CHK	APP
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

PGT DESIGNED ESB DRAWN CHECKED APPROVED	PROJECT NO: 327851		PRELIMINARY GRADING & DRAINAGE PLAN HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC MONTGOMERY CO., NY	FLORIDA
	TRC	249 Western Avenue Augusta, ME 04330		
REVIEW 1 REVIEW 2	DATE AS NOTED SCALE	04/08	TRC	REV. E

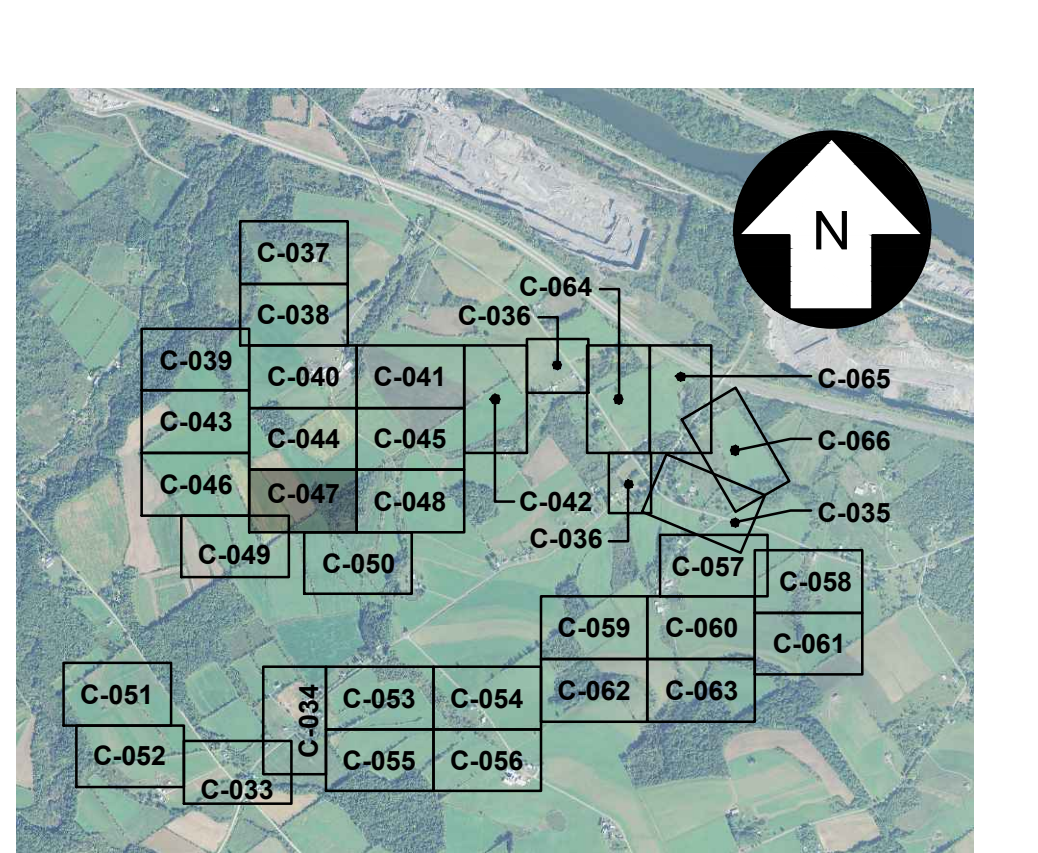
FOR CONTINUATION, SEE DRAWING C-046

FOR CONTINUATION, SEE DRAWING C-048



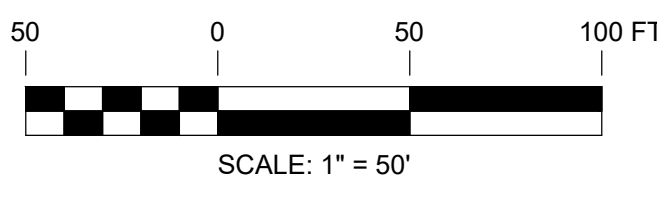
FOR CONTINUATION, SEE DRAWING C-049

FOR CONTINUATION, SEE DRAWING C-050



KEY MAP
SCALE: 1" = 3,000'

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



PRELIMINARY
NOT FOR CONSTRUCTION



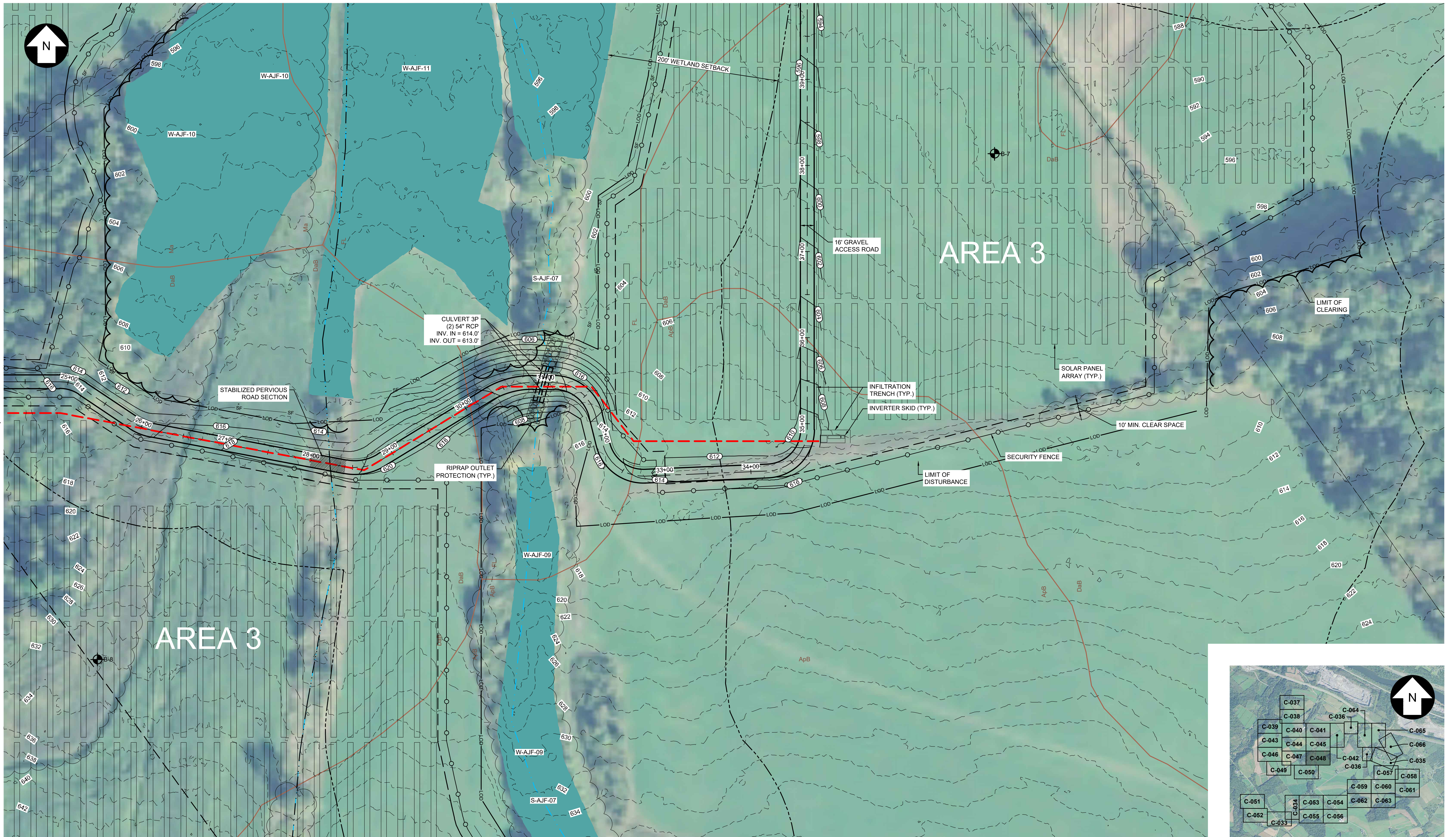
REFERENCE ITEMS	REV	DESCRIPTION
	E	ISSUED FOR ARTICLE 10 SUBMISSION
	D	ISSUED FOR CLIENT REVIEW
	C	ISSUED FOR CLIENT REVIEW
	B	ISSUED FOR CLIENT REVIEW

TRC		249 Western Avenue Augusta, ME 04330		PROJECT NO: 327851			
REV	DESCRIPTION	DATE	DES	CHK	APP		
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT			
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT			
C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT			
B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT			

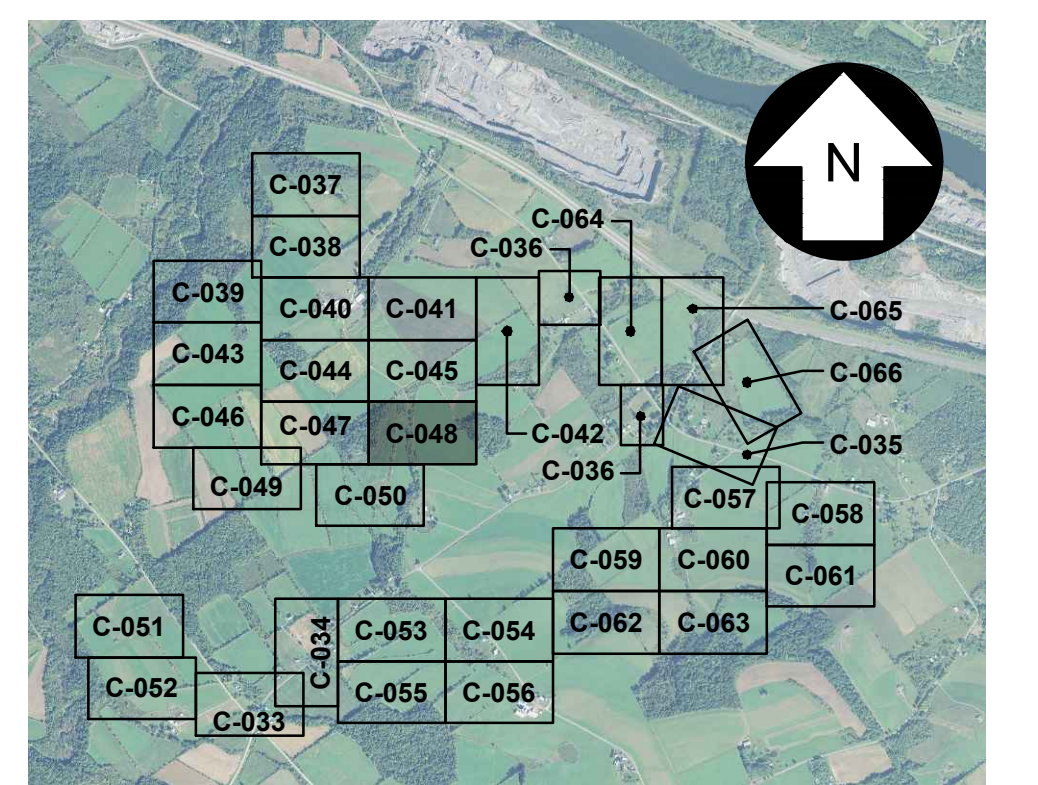
PGT DESIGNED	FLORIDA	PRELIMINARY GRADING & DRAINAGE PLAN HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC MONTGOMERY CO., NY		C-047	REV. E
ESB DRAWN					
CHECKED					
APPROVED					
REVIEW 1	04/08 DATE				
REVIEW 2	AS NOTED SCALE				

327851-HIGH RIVER-GRADING 011.dwg 2019.09.17

FOR CONTINUATION, SEE DRAWING C-047

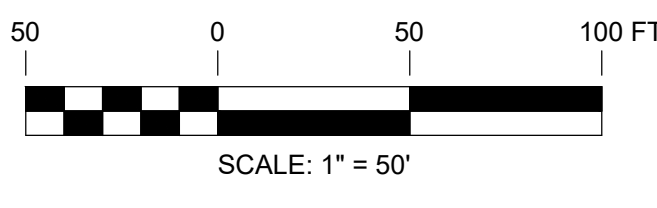


FOR CONTINUATION, SEE DRAWING C-050



KEY MAP
SCALE: 1" = 3,000'

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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NOT FOR CONSTRUCTION



TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
	E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
	D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
	C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
	B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

PGT
DESIGNED
ESB
DRAWN
CHECKED
APPROVED

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

FLORIDA
DATE: 04/08
AS NOTED
SCALE:

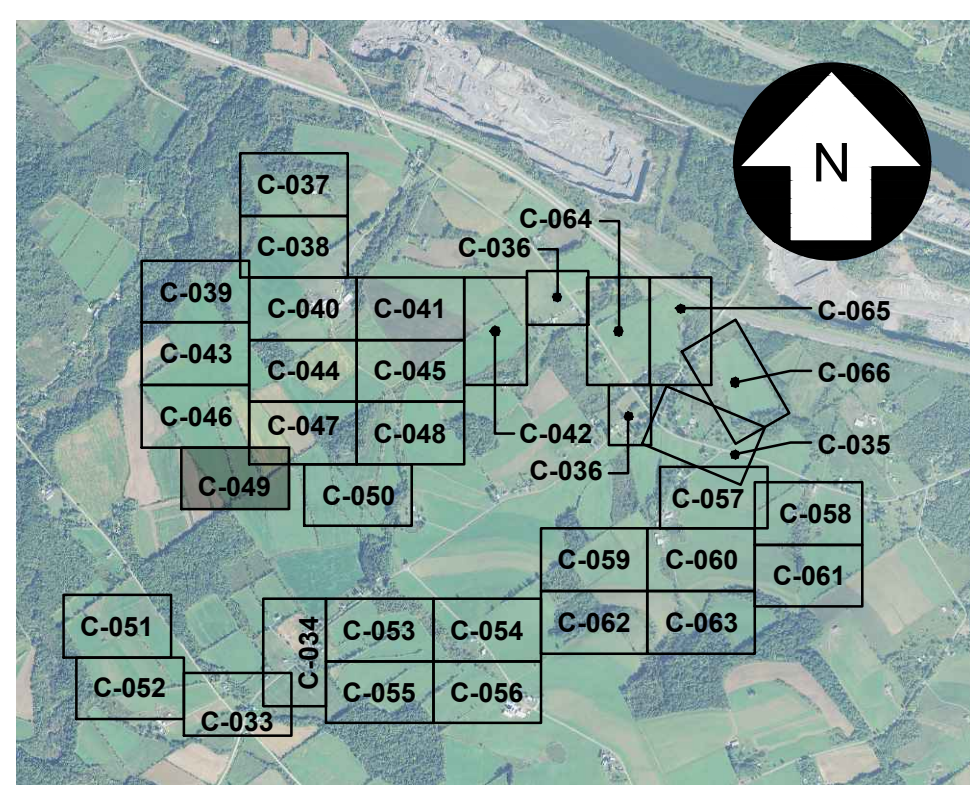


C-048

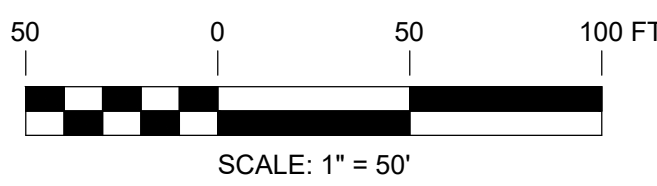
REV.
E

FOR CONTINUATION, SEE DRAWING C-046

FOR CONTINUATION, SEE DRAWING C-047



KEY MAP
SCALE: 1" = 3,000'



PRELIMINARY
NOT FOR CONSTRUCTION



UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

PGT
DESIGNED
ESB
DRAWN
CHECKED
APPROVED

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

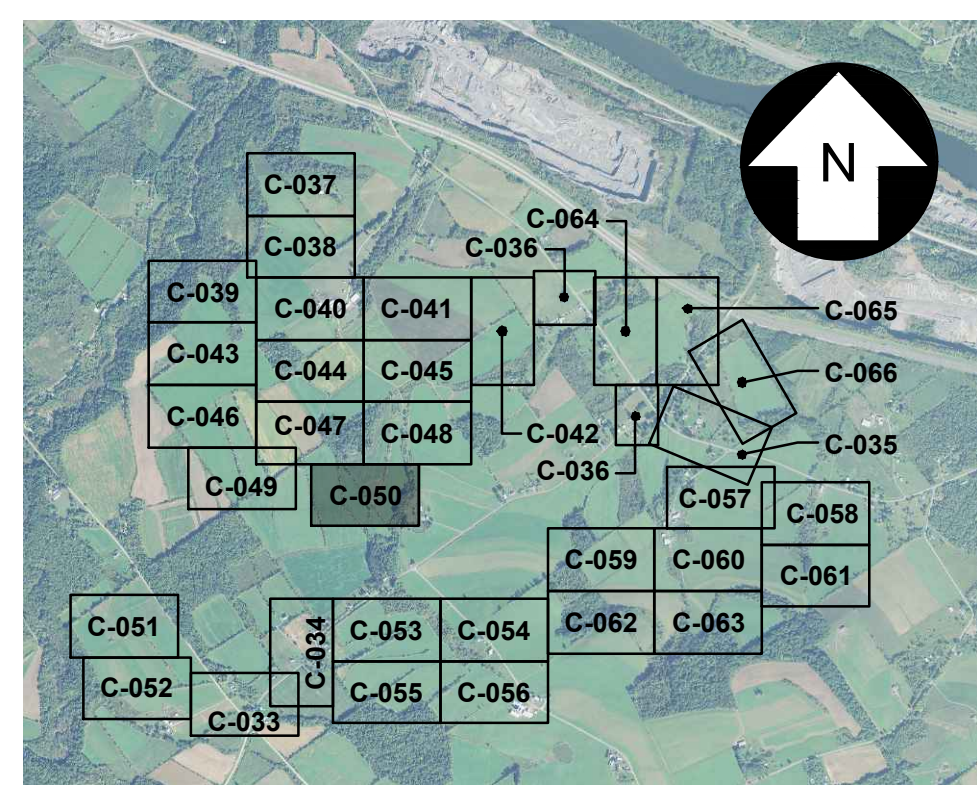
FLORIDA
REVIEW 1
REVIEW 2



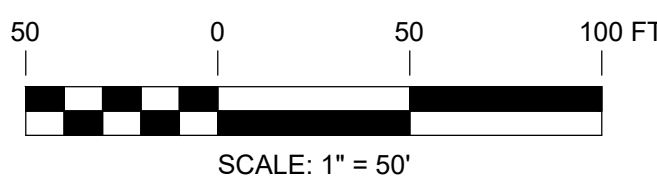
C-049

REV.
E

327851-HIGH RIVER-GRADING 013.dwg 2019.09.13



KEY MAP
SCALE: 1" = 3,000'



PRELIMINARY
NOT FOR CONSTRUCTION



UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

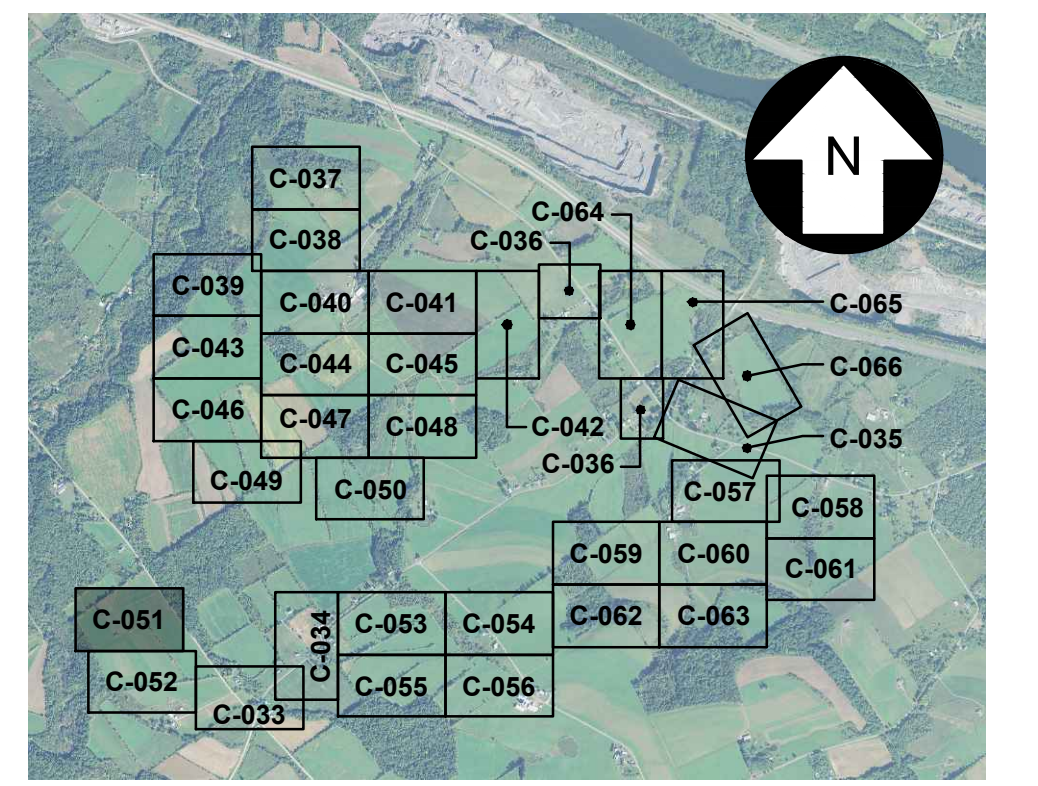
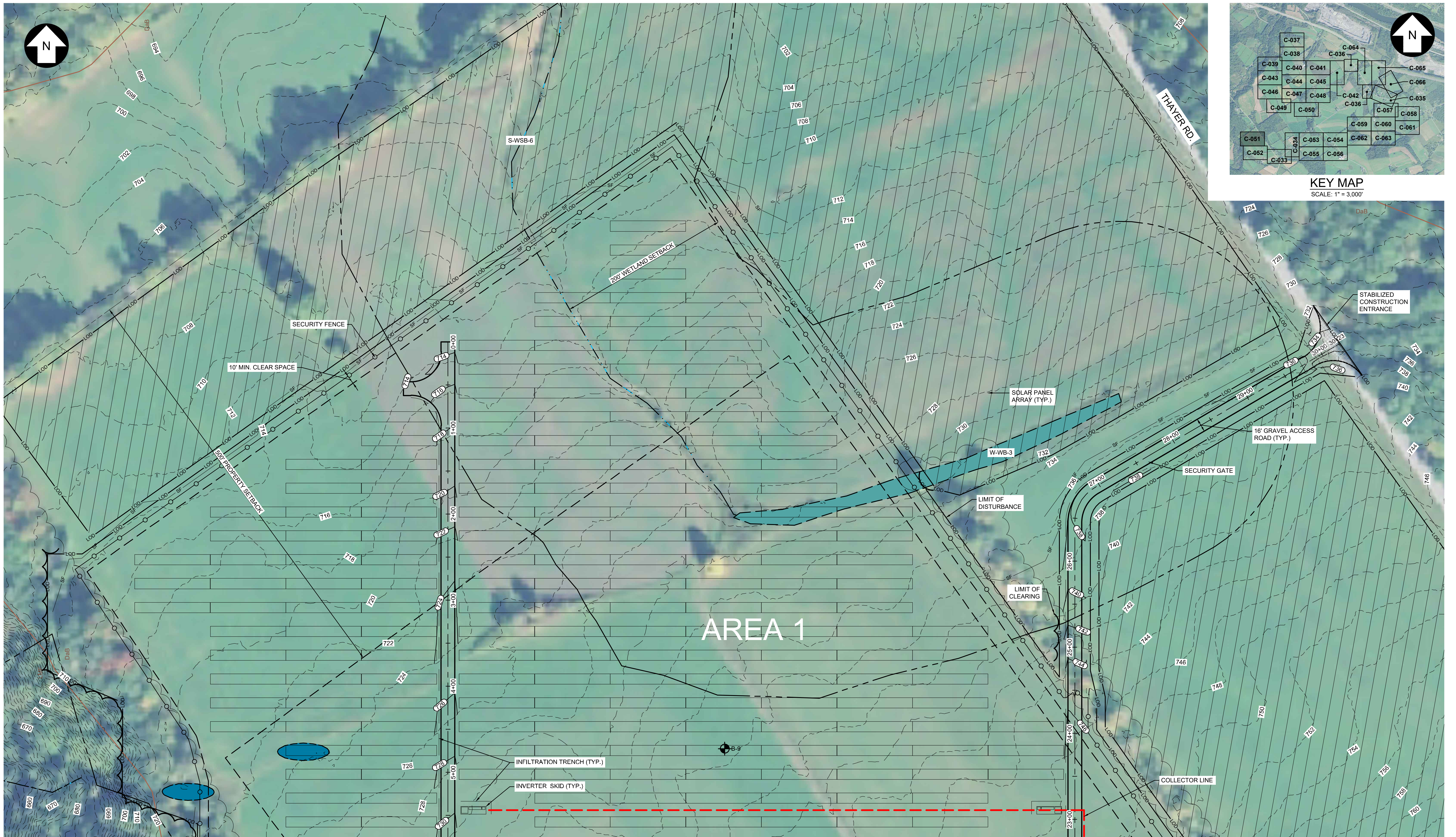
REV	DESCRIPTION	DATE	DES	CHK	APP
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D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

PGT
DESIGNED
ESB
DRAWN
CHECKED
APPROVED

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

FLORIDA
REVIEW 1 DATE 04/08 AS NOTED SCALE
REVIEW 2
TRC C-050
REV. E

327851-HIGH RIVER-GRADING 014.dwg 2019.09.17

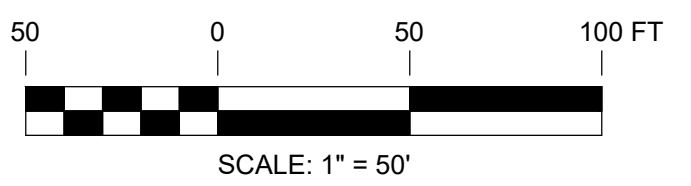


KEY MAP
SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-052

327851-HIGH RIVER-GRADING 015.dwg 2019.09.13

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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REFERENCE ITEMS		REV	DESCRIPTION	DATE	DES	CHK	APP
		E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
		D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
		C	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	
		B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

PGT
DESIGNED
ESB
DRAWN
CHECKED
APPROVED

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

FLORIDA

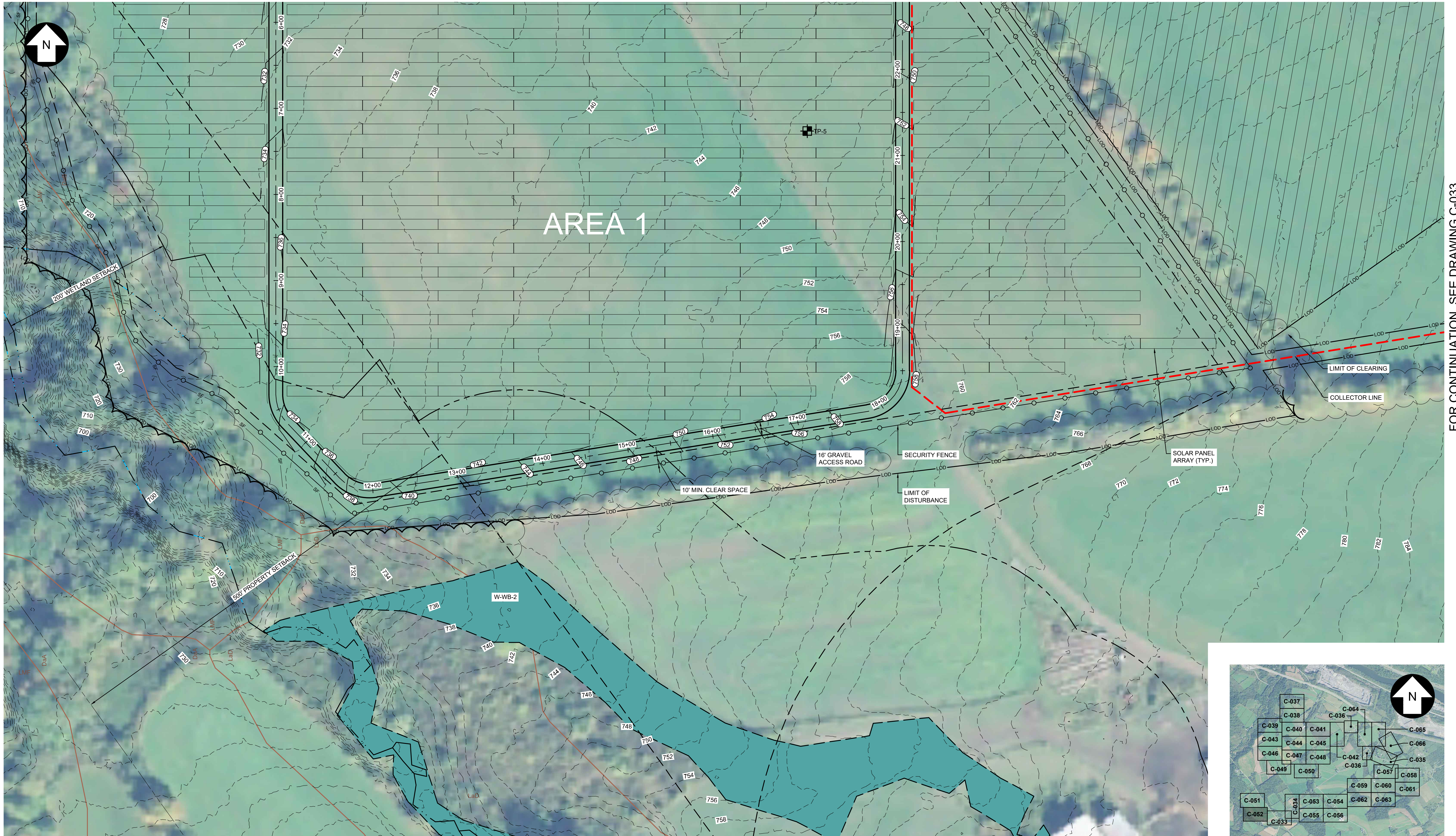


C-051

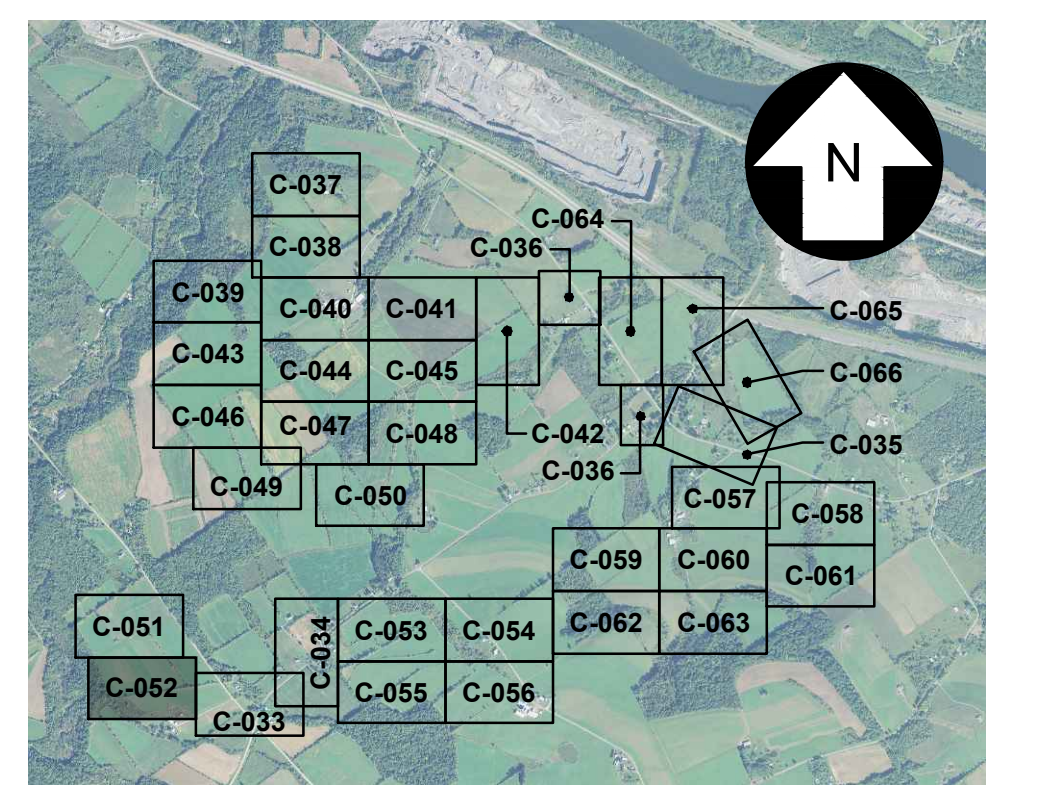
REV.
E

REVIEW 1
DATE
AS NOTED
SCALE

04/08

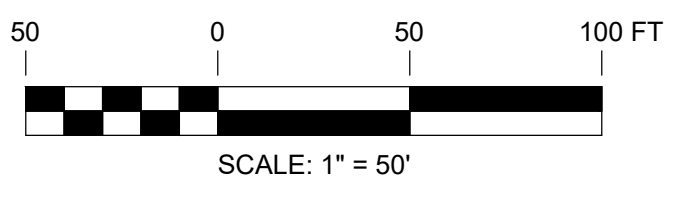


FOR CONTINUATION, SEE DRAWING C-033



KEY MAP
SCALE: 1" = 3,000'

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

PGT
DESIGNED
ESB
DRAWN
CHECKED
APPROVED

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

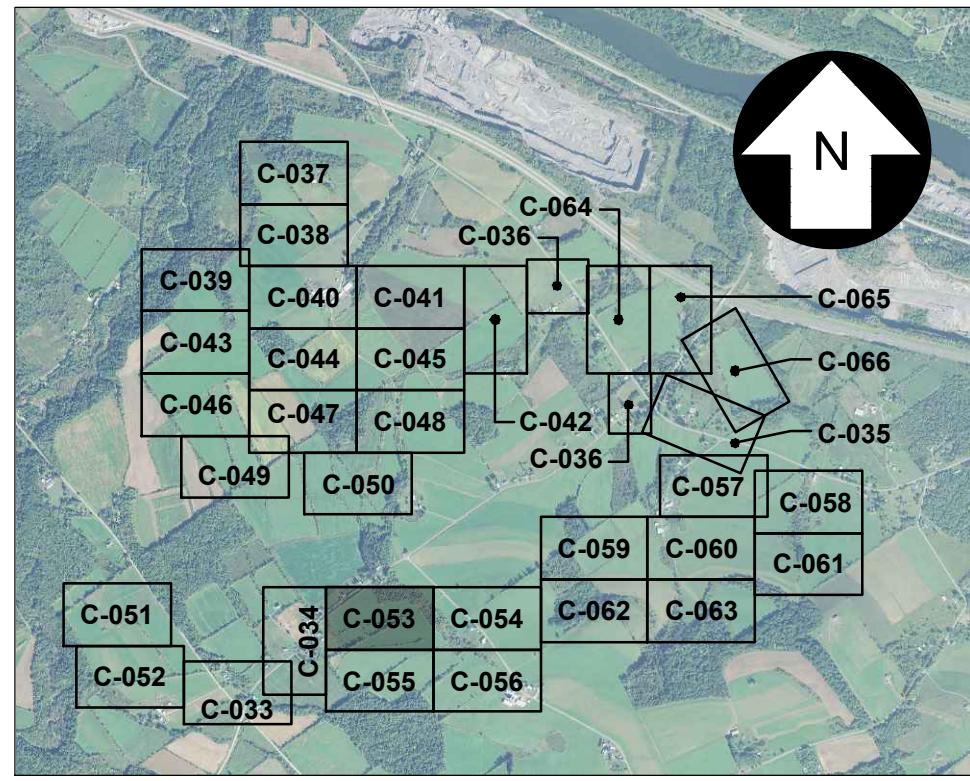
FLORIDA
DATE: 04/08
AS NOTED
SCALE



C-052

REV. E

327851-HIGH RIVER-GRADING 016.dwg 2019.09.13



KEY MAP
SCALE: 1" = 3,000'



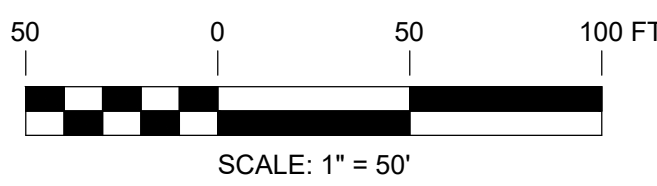
AREA 4

FOR CONTINUATION, SEE DRAWING C-055

FOR CONTINUATION, SEE DRAWING C-054

327851-HIGH RIVER-GRADING 017.dwg 2019.09.17

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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	E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
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TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

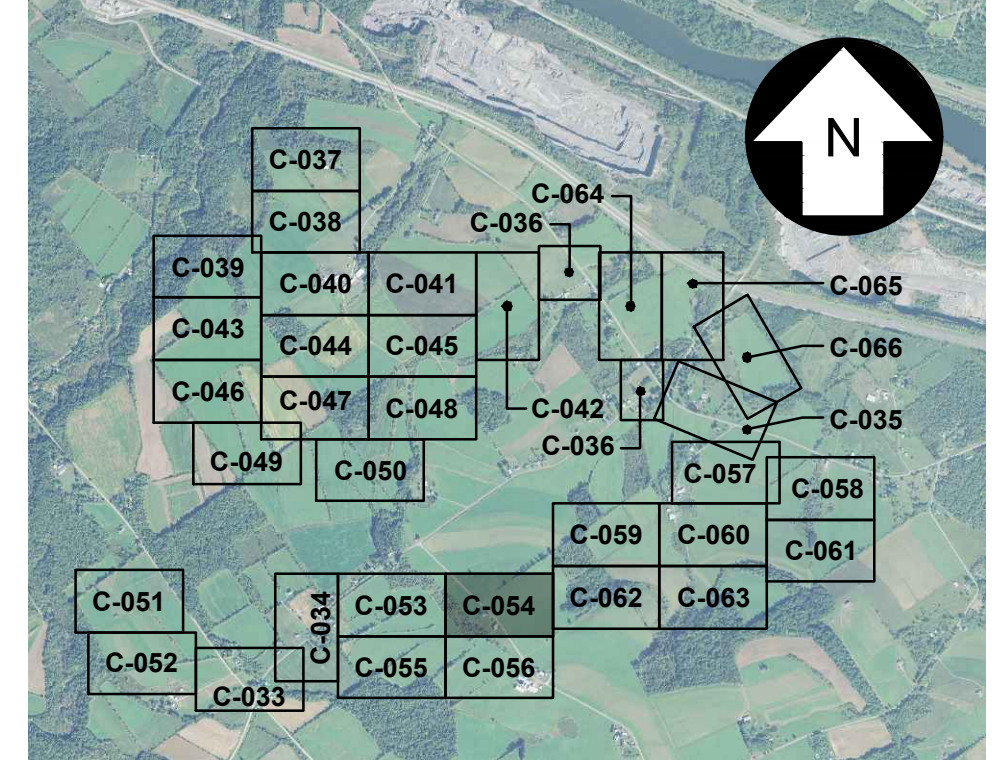
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ESB DRAWN					
CHECKED					
APPROVED					
REVIEW 1	04/08				
REVIEW 2	DATE	AS NOTED	SCALE		

FOR CONTINUATION, SEE DRAWING C-053



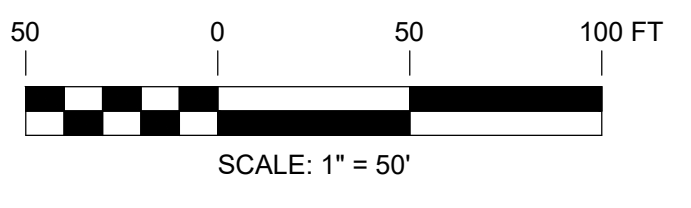
FOR CONTINUATION, SEE DRAWING C-062

FOR CONTINUATION, SEE DRAWING C-056



KEY MAP
SCALE: 1" = 3,000'

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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REV	DESCRIPTION	DATE	DES	CHK	APP
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
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C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

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DRAWN
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APPROVED

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

FLORIDA
DATE: 04/08
AS NOTED
SCALE

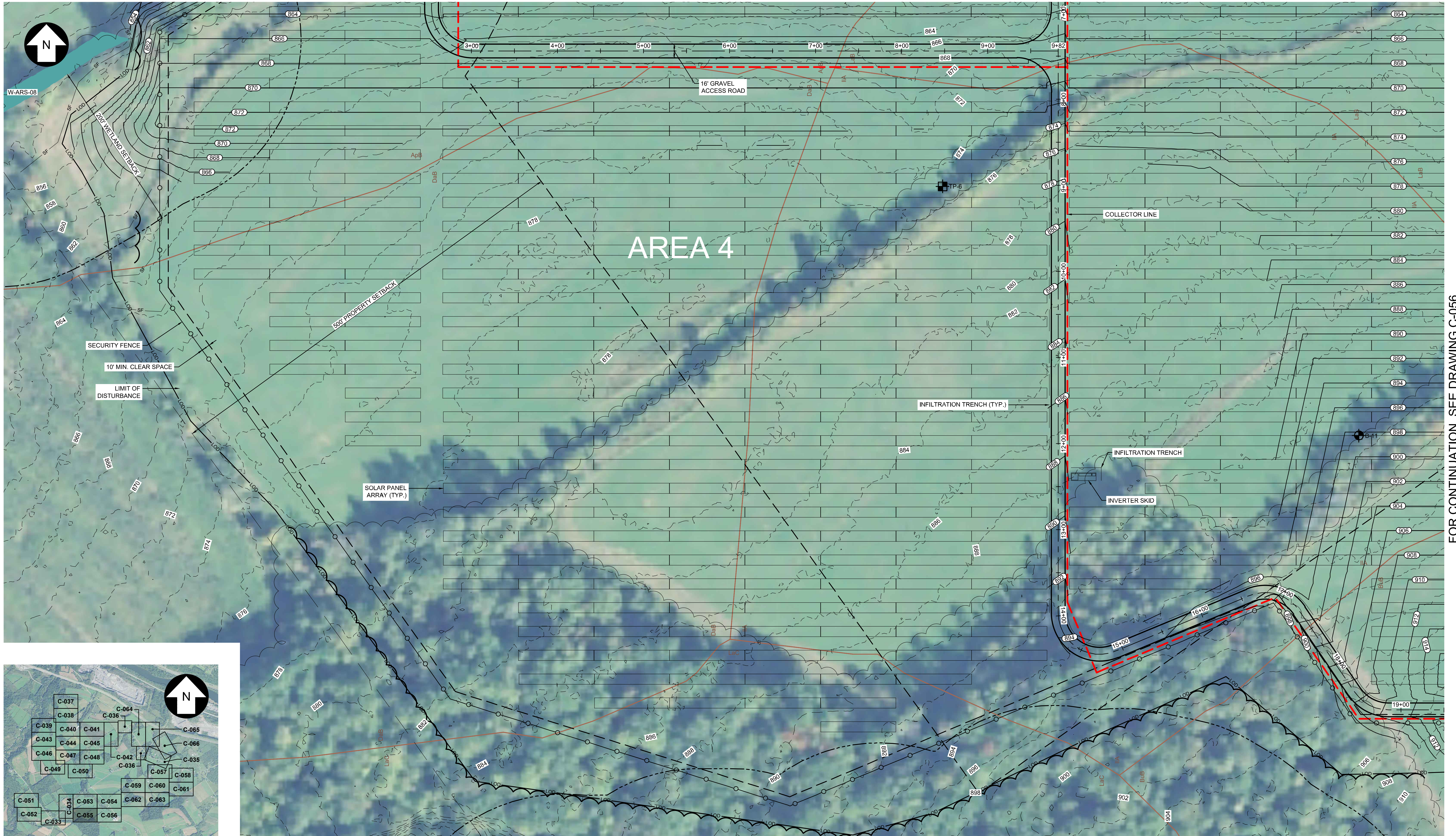


C-054

REV.
E

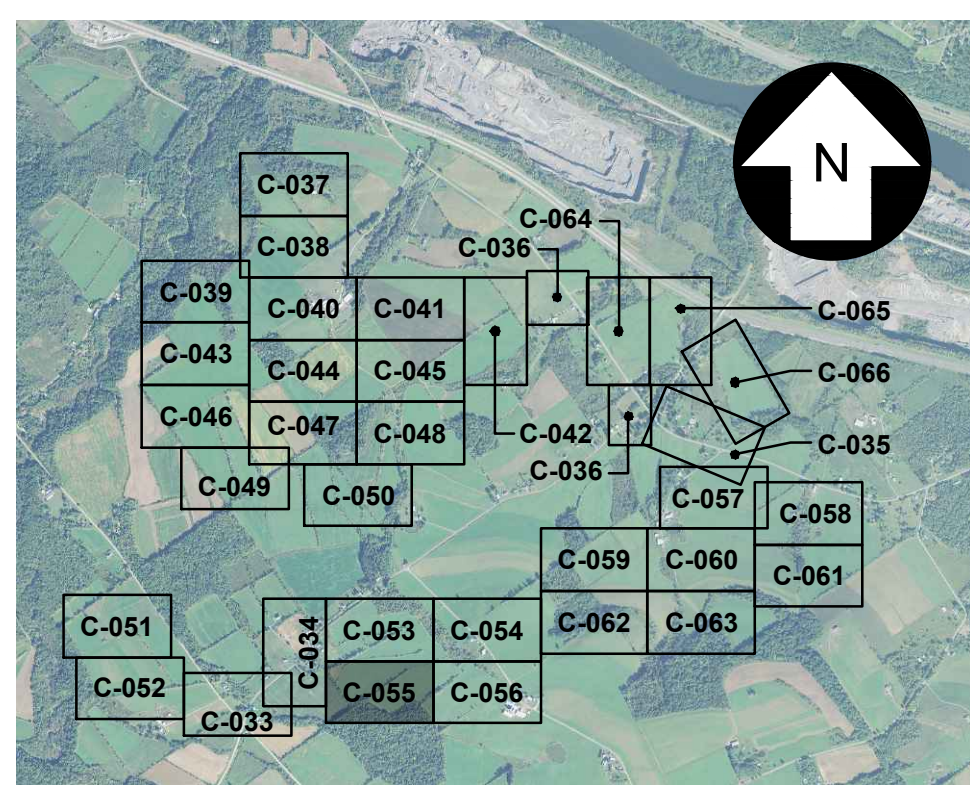
327851-HIGH RIVER-GRADING 018.dwg 2019.09.13

FOR CONTINUATION, SEE DRAWING C-053

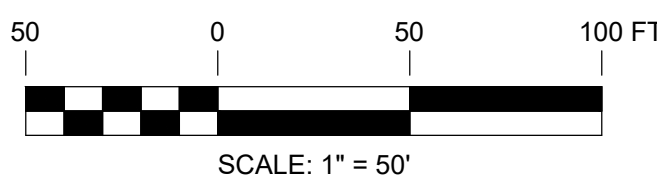


FOR CONTINUATION, SEE DRAWING C-034

FOR CONTINUATION, SEE DRAWING C-056



KEY MAP
SCALE: 1" = 3,000'



PRELIMINARY
NOT FOR CONSTRUCTION



TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
	E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
	D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
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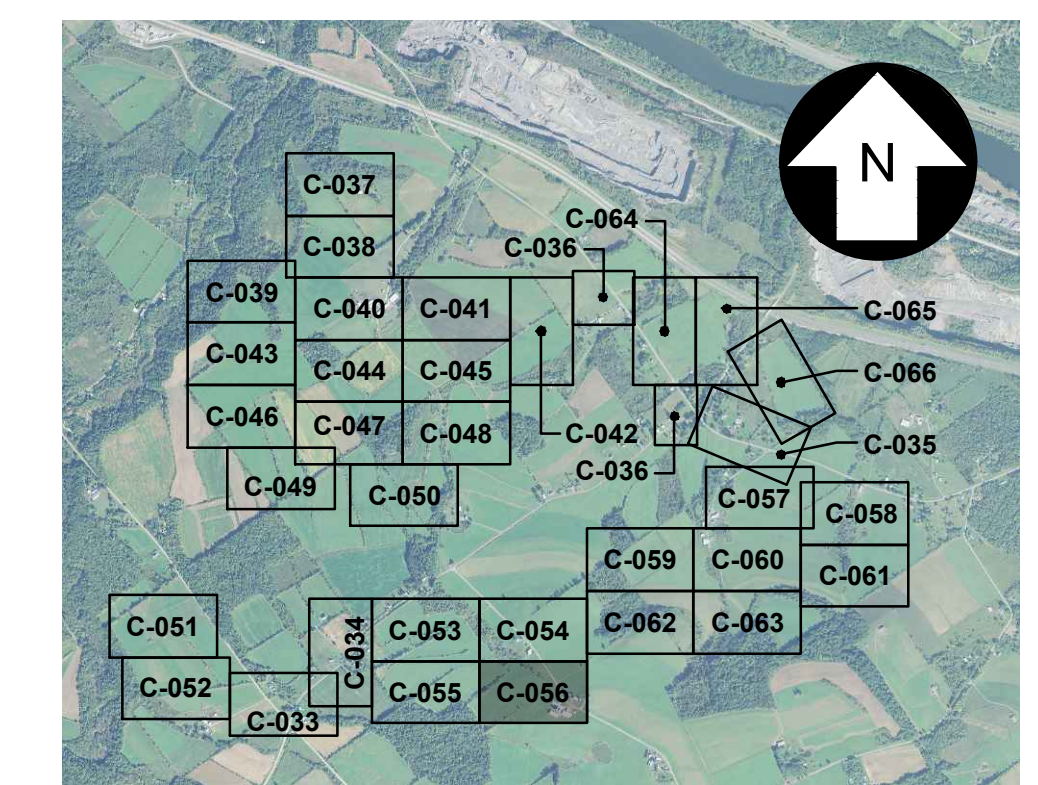
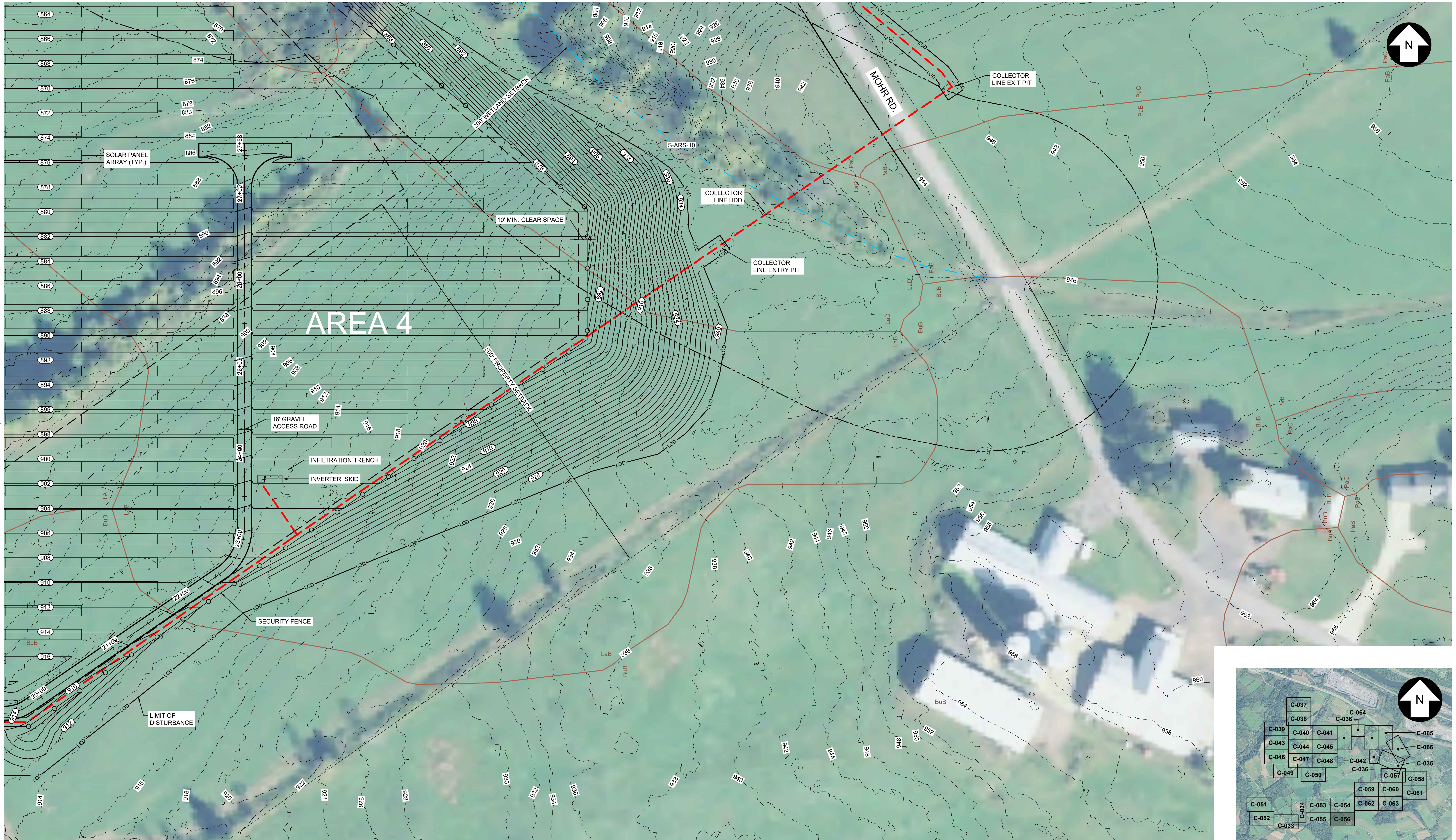
PGT DESIGNED	PRELIMINARY GRADING & DRAINAGE PLAN HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC MONTGOMERY CO., NY	FLORIDA 	C-055	REV. E
ESB DRAWN				
CHECKED				
APPROVED				
REVIEW 1	04/08 DATE			
REVIEW 2	AS NOTED SCALE			

327851-HIGH RIVER-GRADING 019.dwg - 2019.09.17

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

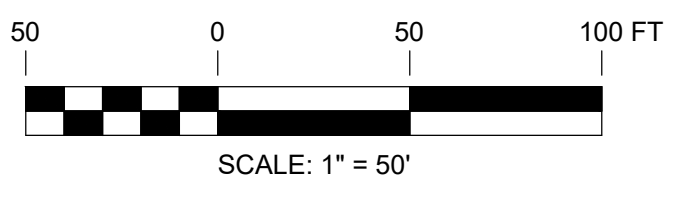
FOR CONTINUATION, SEE DRAWING C-054

FOR CONTINUATION, SEE DRAWING C-055



KEY MAP
SCALE: 1" = 3,000'

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
	E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
	D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
	C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
	B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED

FLORIDA

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

REVIEW 1
REVIEW 2

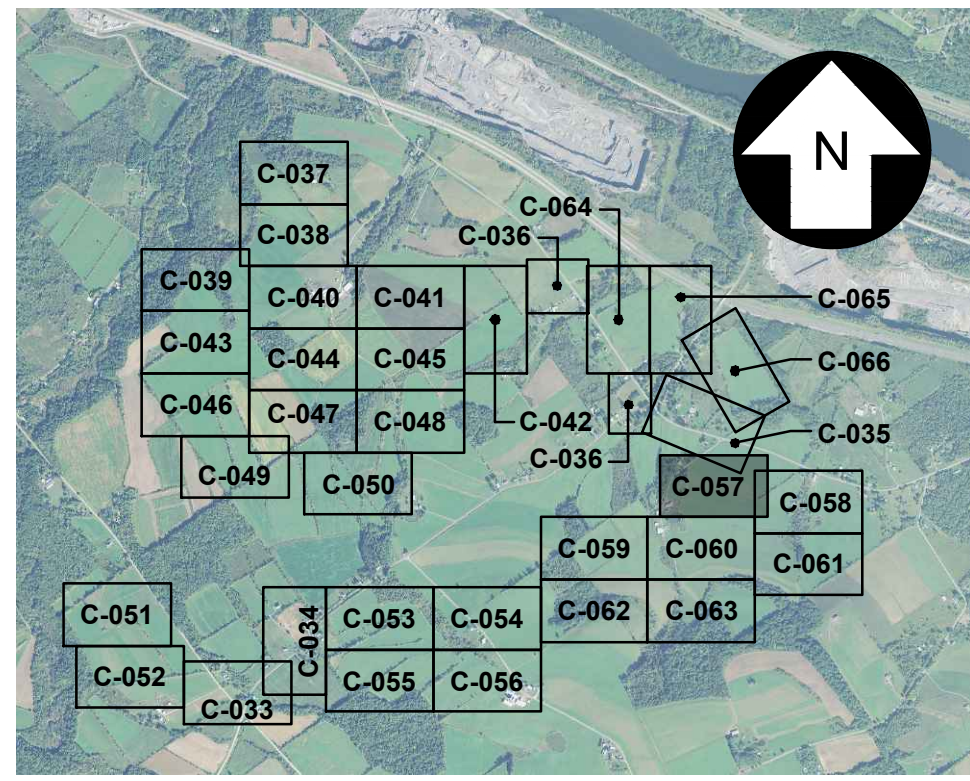
04/08 DATE AS NOTED SCALE

TRC

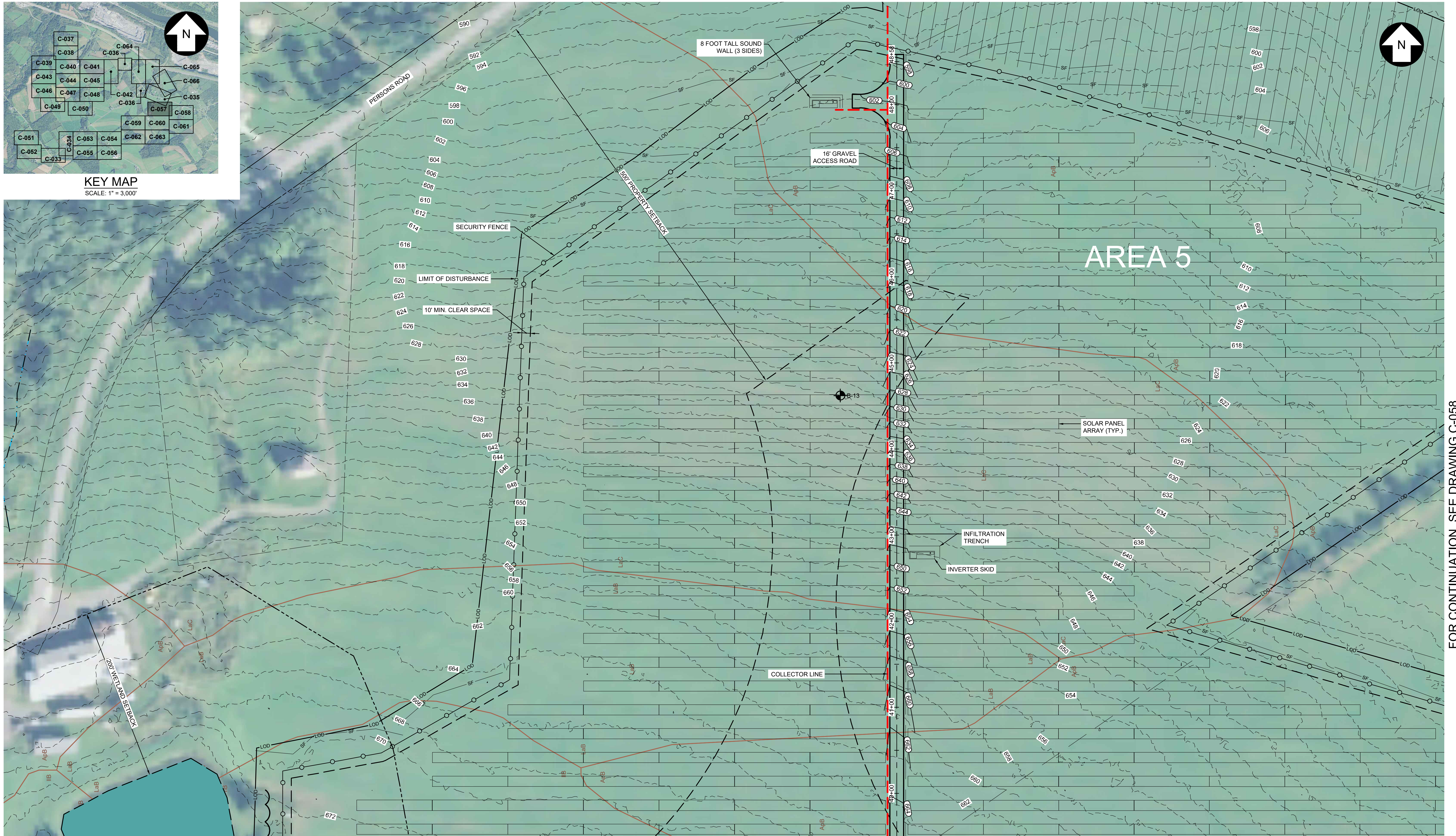
C-056

REV. E

327851-HIGH RIVER-GRADING 020.dwg 2019.10.02



KEY MAP
SCALE: 1" = 3,000'

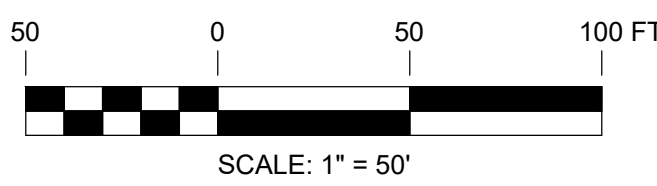


FOR CONTINUATION, SEE DRAWING C-060

FOR CONTINUATION, SEE DRAWING C-058

327851-HIGH RIVER-GRADING 021.dwg 2019.10.02

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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REFERENCE ITEMS		REV	DESCRIPTION	DATE	DES	CHK	APP
		E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
		D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
		C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
		B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

PGT
DESIGNED
ESB
DRAWN
CHECKED
APPROVED

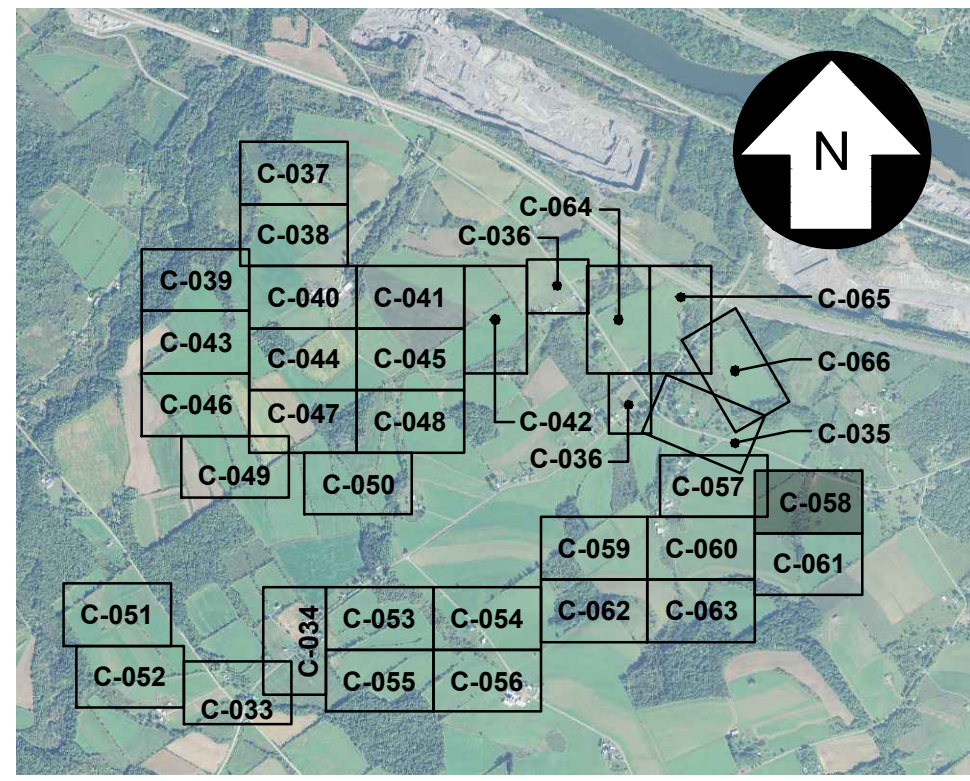
PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

FLORIDA



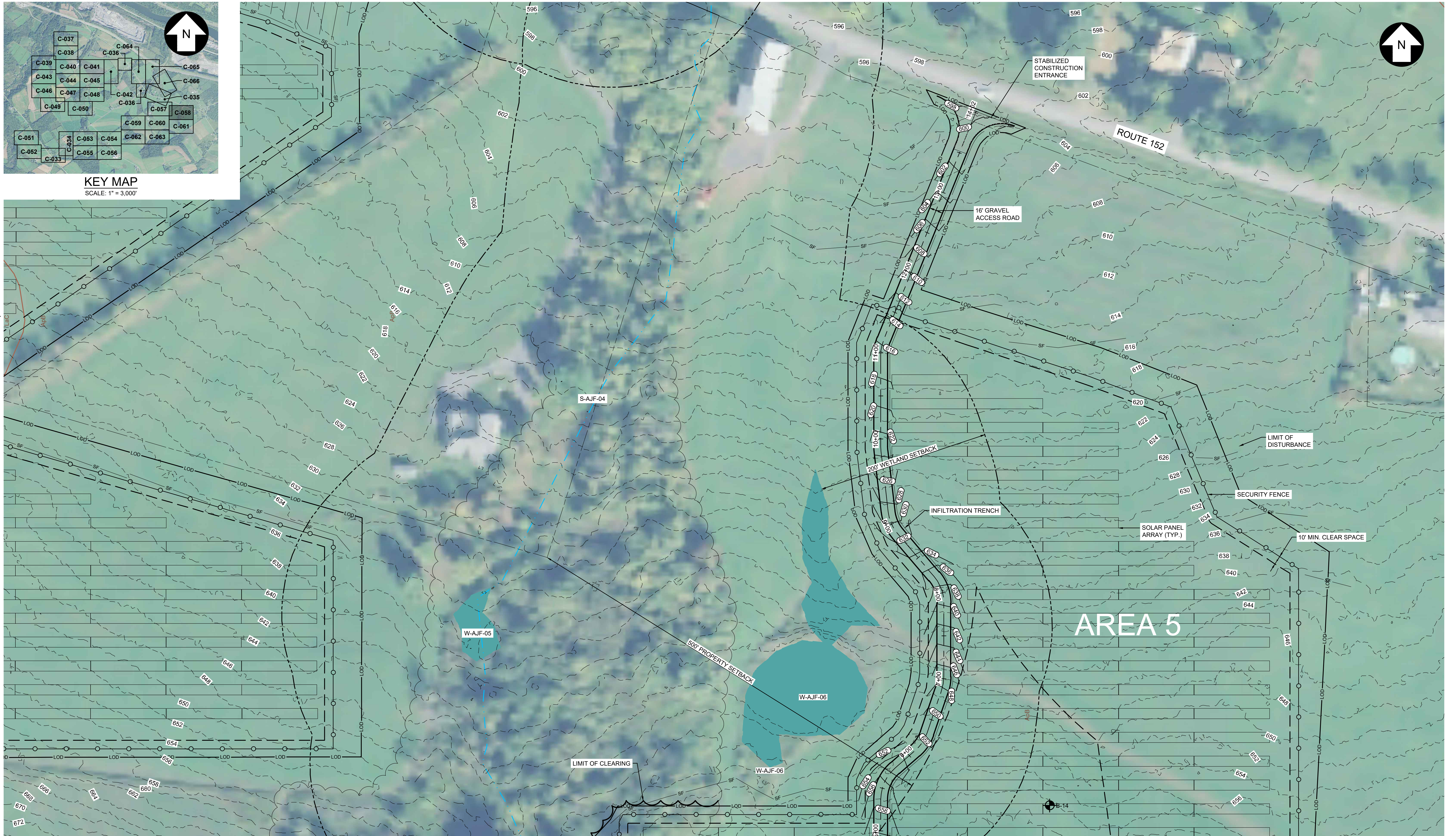
C-057

REV. E



KEY MAP
SCALE: 1" = 3,000'

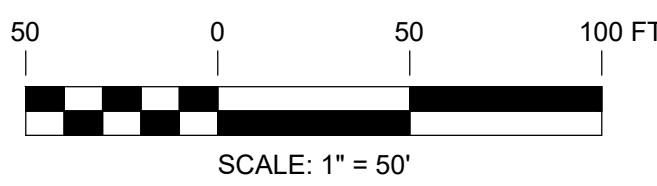
FOR CONTINUATION, SEE DRAWING C-057



FOR CONTINUATION, SEE DRAWING C-061

327851-HIGH RIVER-GRADING 022.dwg 2019.09.13

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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REFERENCE ITEMS		REV	DESCRIPTION	DATE	DES	CHK	APP
		E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
		D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
		C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
		B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

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ESB
DRAWN
CHECKED
APPROVED

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

FLORIDA

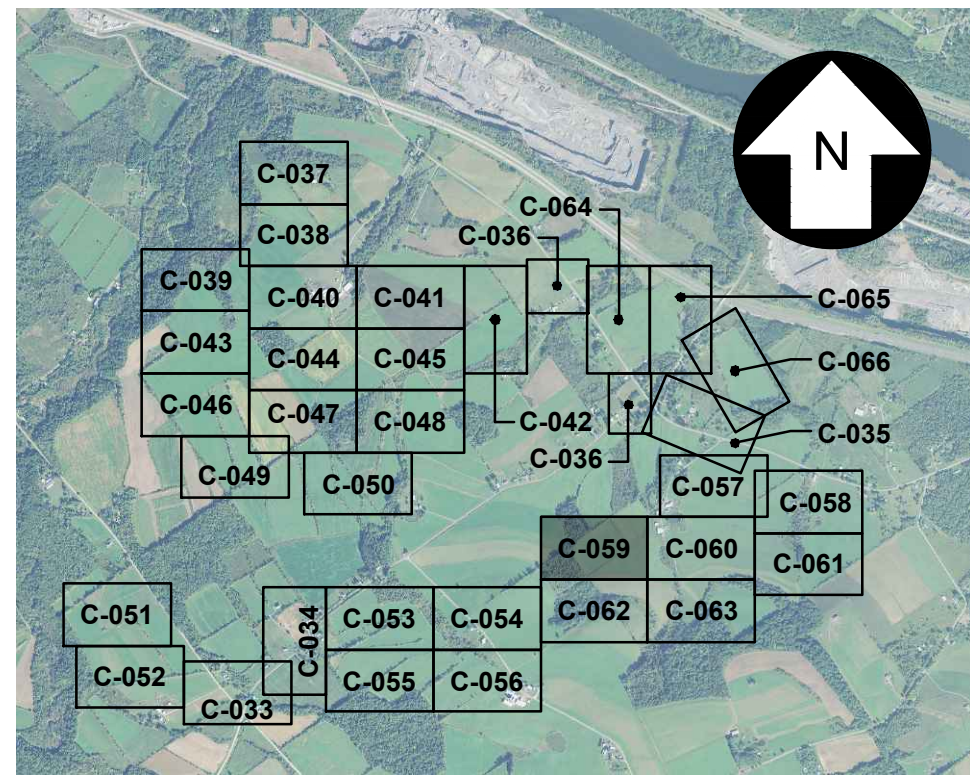


C-058

REV.
E

REVIEW 1
REVIEW 2

04/08
DATE
AS NOTED
SCALE



KEY MAP
SCALE: 1" = 3,000'

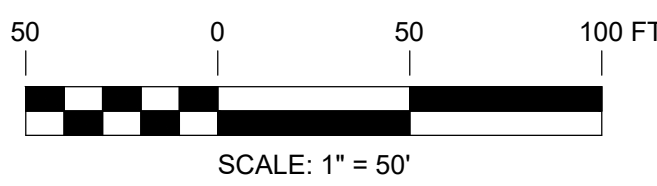


FOR CONTINUATION, SEE DRAWING C-062

FOR CONTINUATION, SEE DRAWING C-060

327851-HIGH RIVER-GRADING 023.dwg 2019.10.02

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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REV	DESCRIPTION	DATE	DES	CHK	APP
D	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
C	ISSUED FOR REVIEW	08-21-19	DED	PGT	
B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	
A	ISSUED FOR CLIENT REVIEW	06-20-19	ESB	PGT	

TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

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ESB
DRAWN
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APPROVED

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

FLORIDA



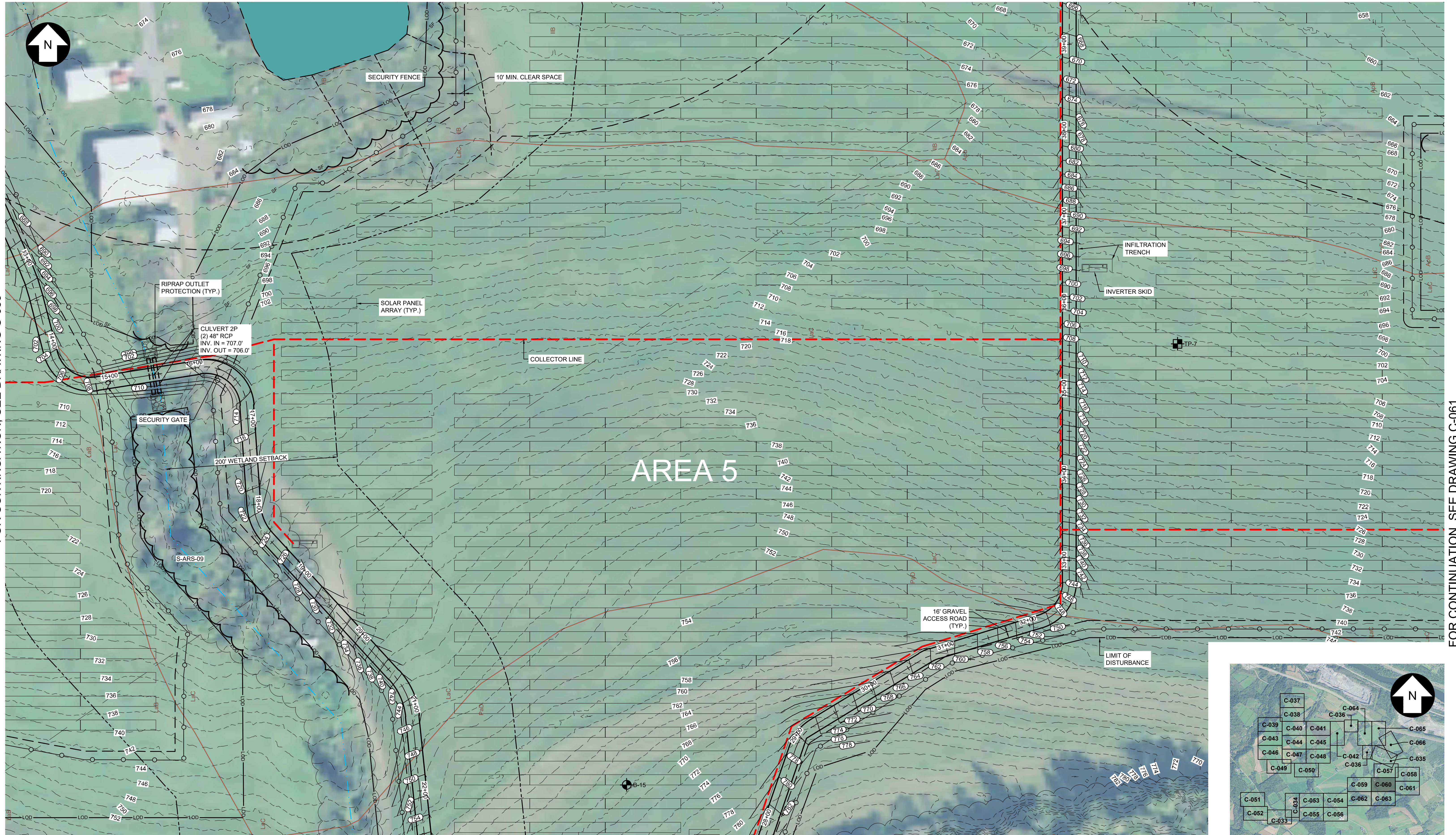
C-059

REV. D

REVIEW 1
REVIEW 2

04/08
DATE
AS NOTED
SCALE

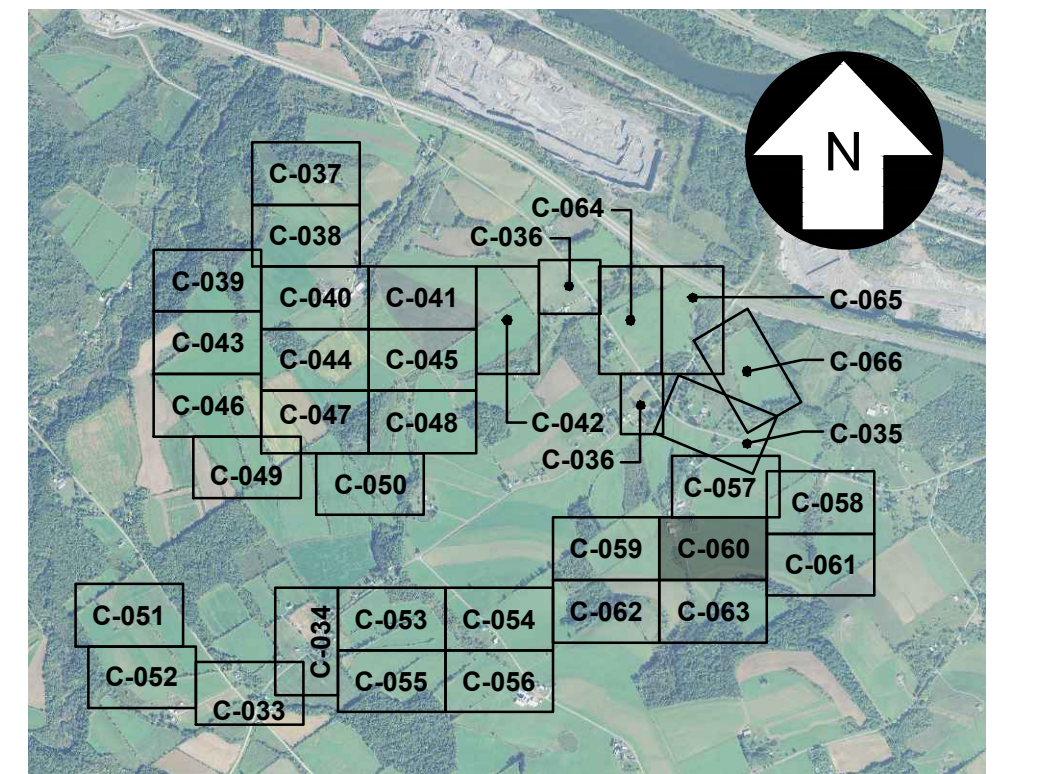
FOR CONTINUATION, SEE DRAWING C-057



FOR CONTINUATION, SEE DRAWING C-059

FOR CONTINUATION, SEE DRAWING C-061

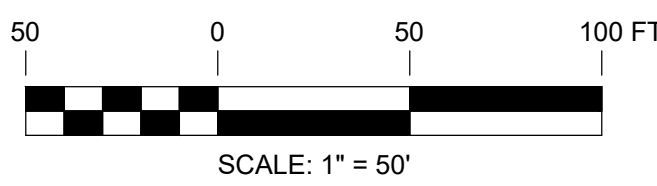
FOR CONTINUATION, SEE DRAWING C-063



KEY MAP
SCALE: 1" = 3,000'

327851-HIGH RIVER-GRADING 024.dwg 2019.09.13

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

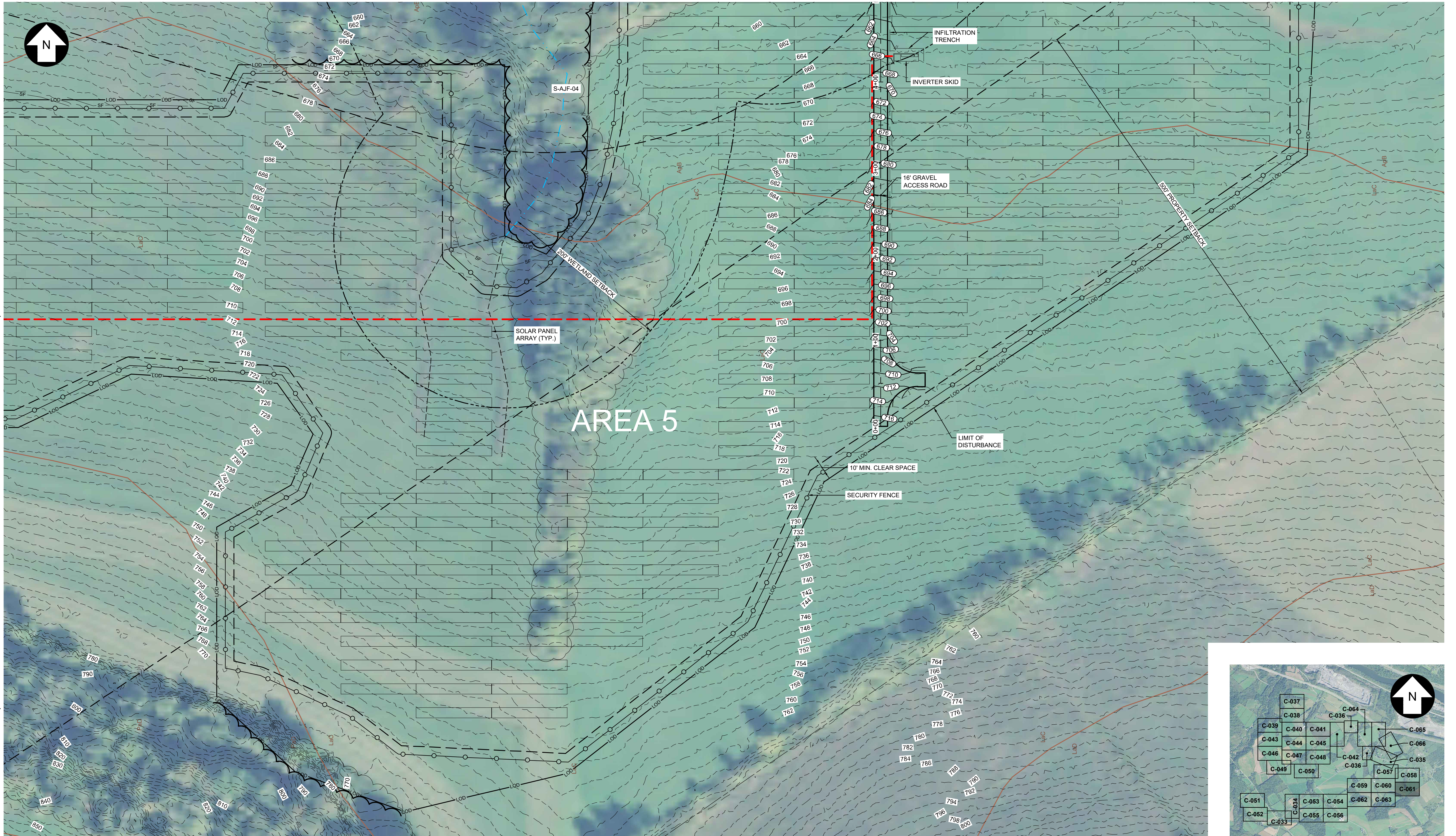
PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY



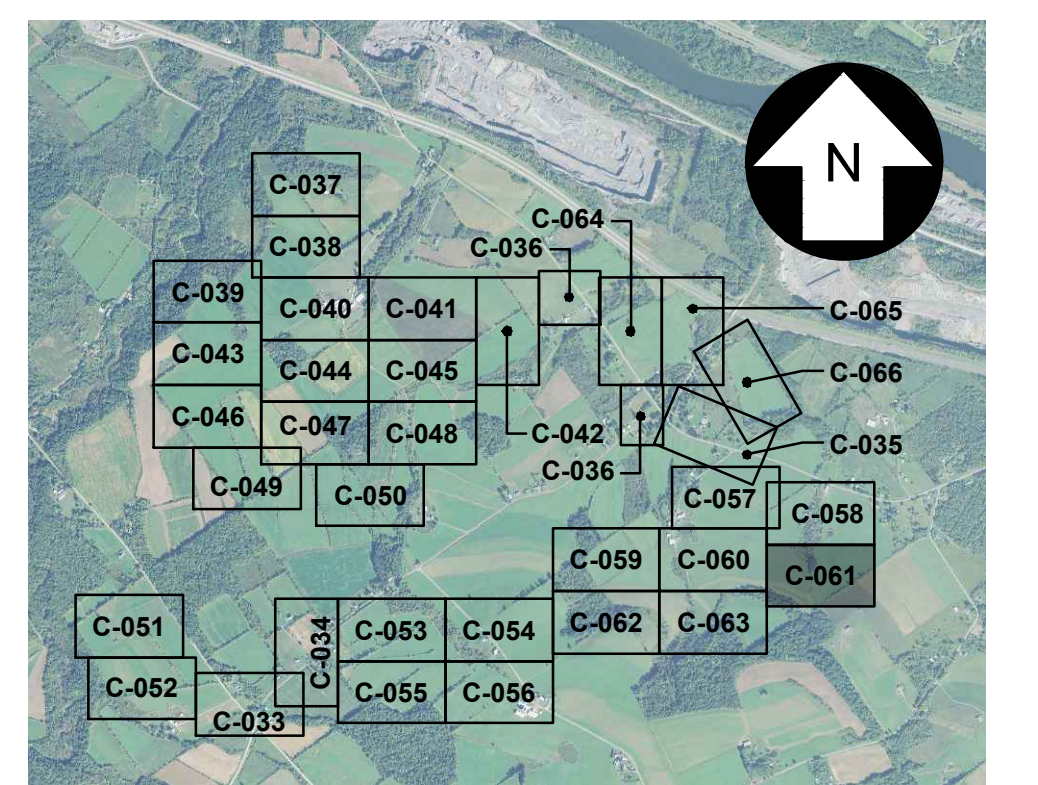
C-060

REV. E



FOR CONTINUATION, SEE DRAWING C-060

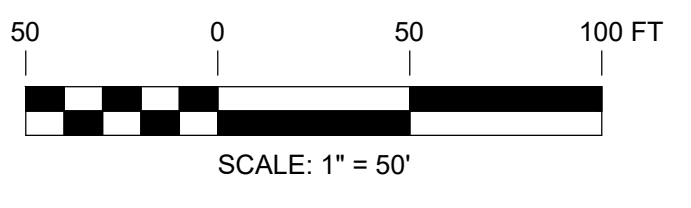
FOR CONTINUATION, SEE DRAWING C-063



KEY MAP
SCALE: 1" = 3,000'

327851-HIGH RIVER-GRADING 025.dwg 2019.09.13

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

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APPROVED

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY



C-061

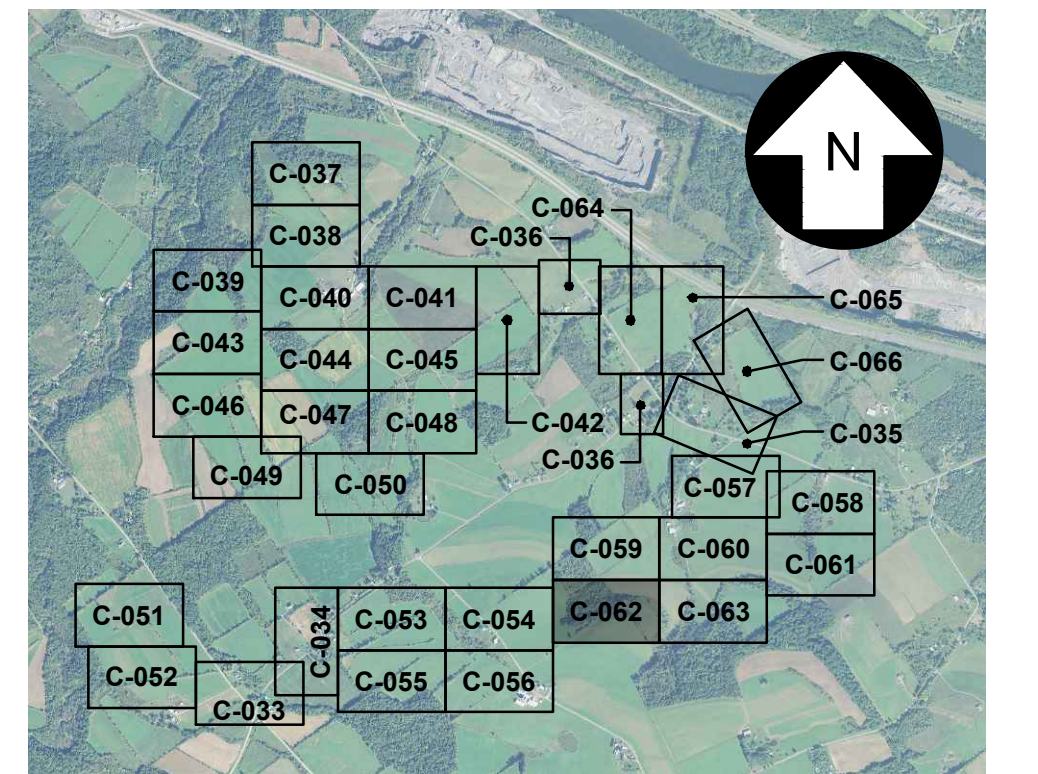
REV.
E

FOR CONTINUATION, SEE DRAWING C-059



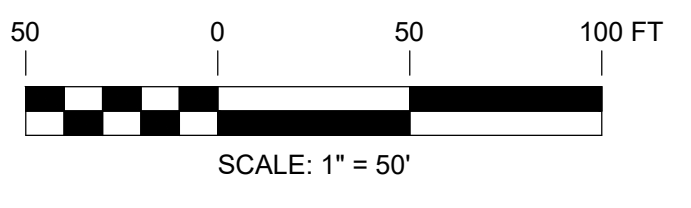
FOR CONTINUATION, SEE DRAWING C-054

FOR CONTINUATION, SEE DRAWING C-063



KEY MAP
SCALE: 1" = 3,000'

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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NOT FOR CONSTRUCTION



TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	
C	ISSUED FOR CLIENT REVIEW	08-09-19	SEK	PGT	
B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED

FLORIDA

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

REVIEW 1
REVIEW 2

04/08
DATE
AS NOTED
SCALE

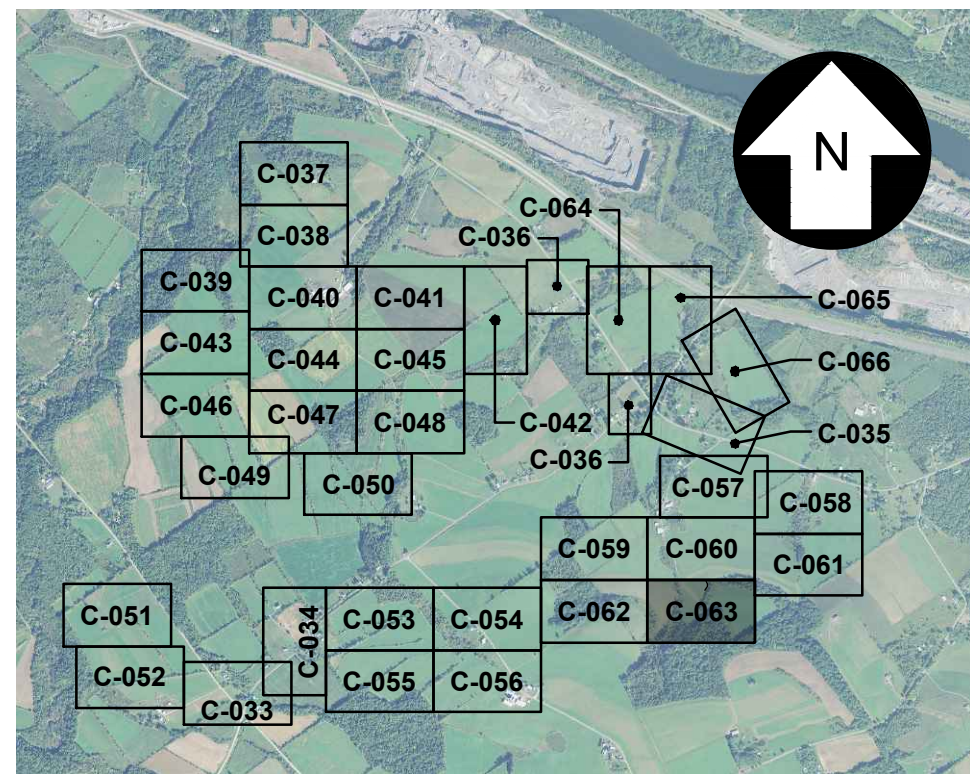
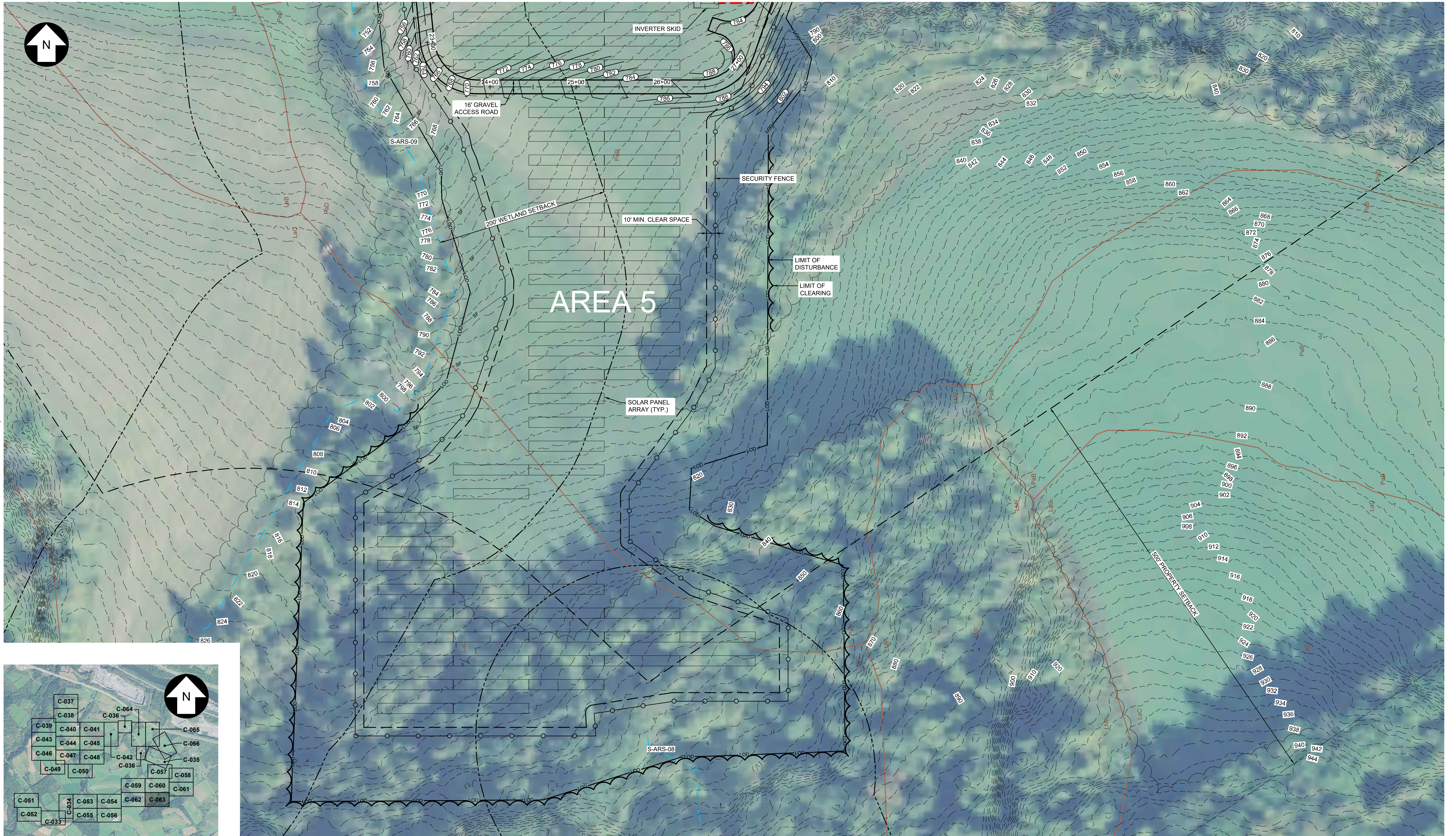
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C-062

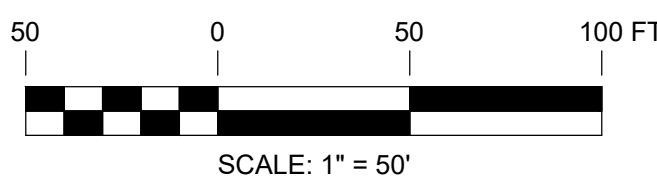
REV. E

327851-HIGH RIVER-GRADING 026.dwg 2019.09.13

FOR CONTINUATION, SEE DRAWING C-062



KEY MAP
SCALE: 1" = 3,000'



PRELIMINARY
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TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

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B	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

PGT
DESIGNED
ESB
DRAWN
CHECKED
APPROVED

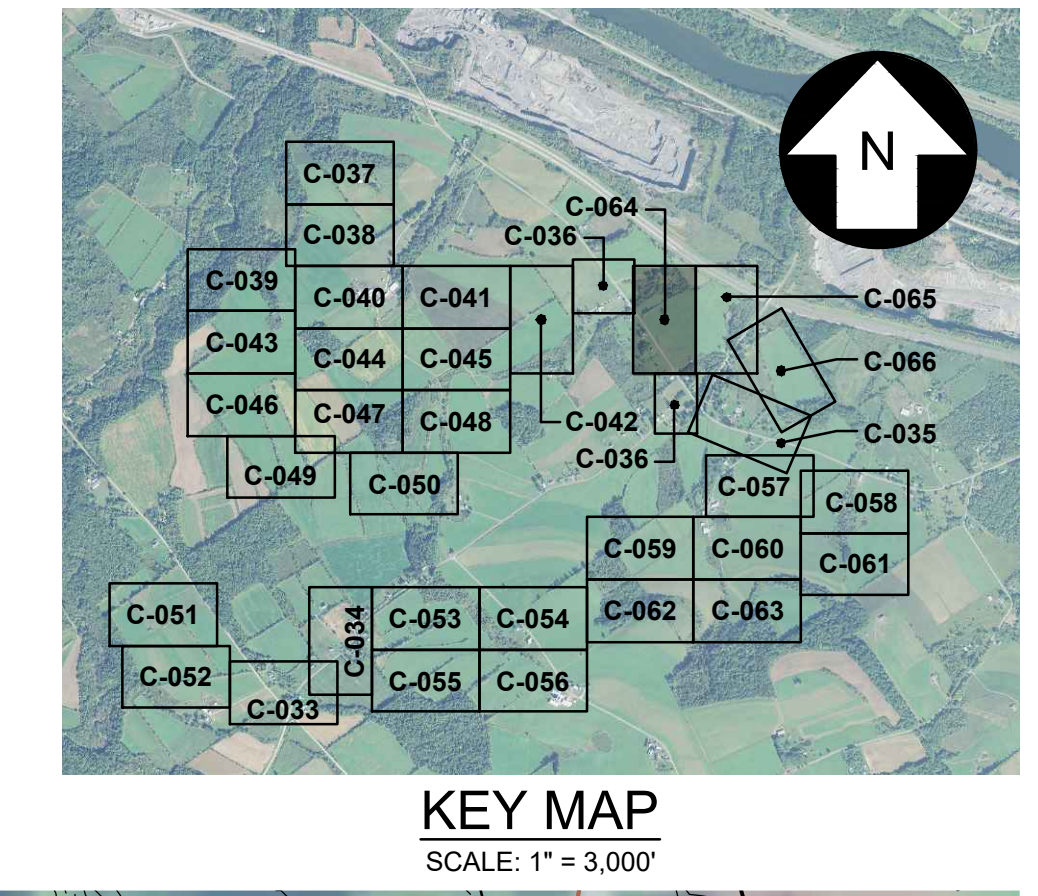
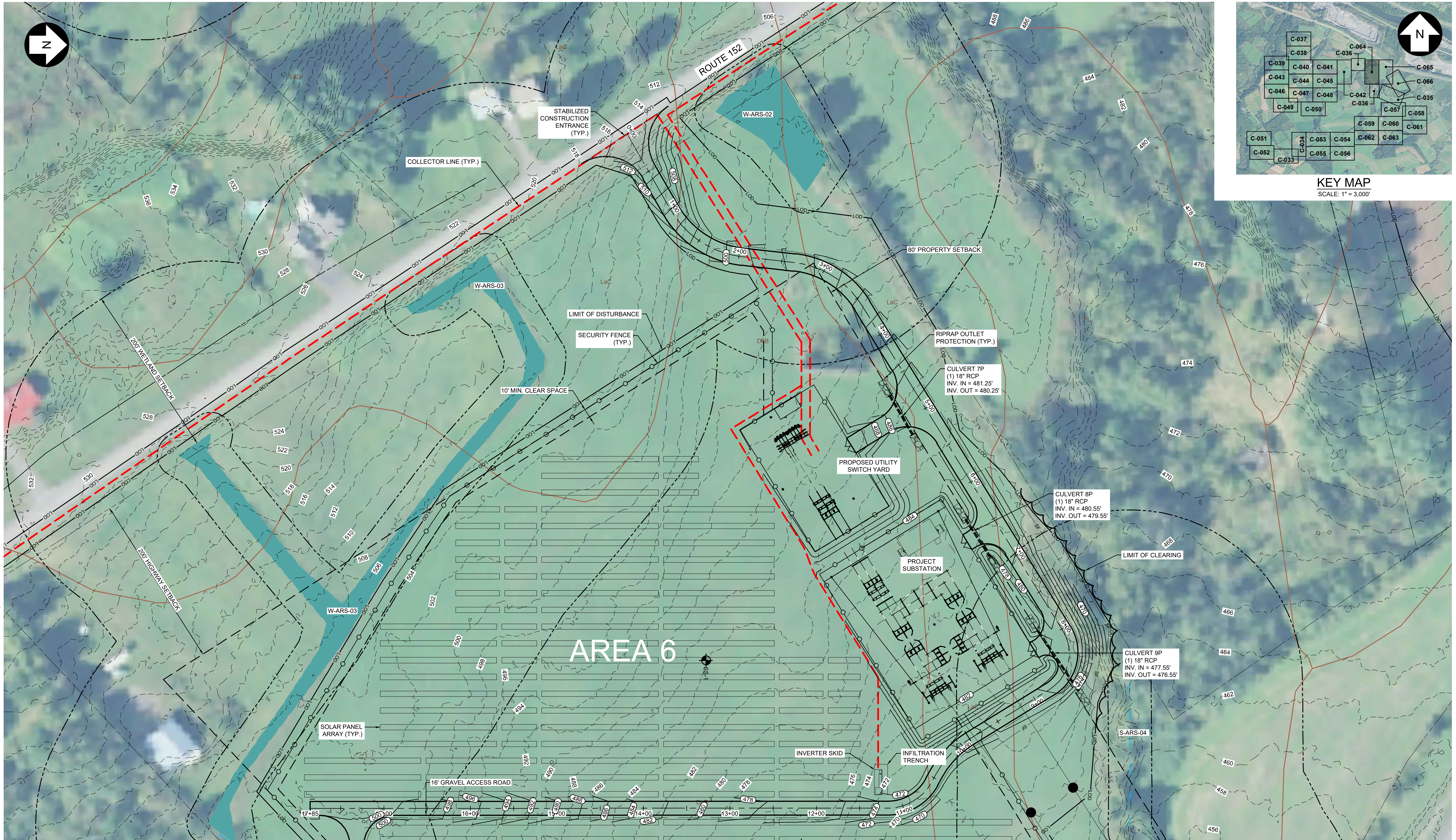
PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

FLORIDA
REVIEW 1
REVIEW 2



C-063

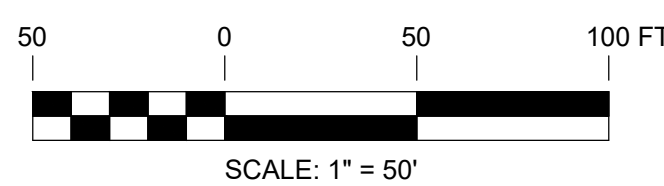
REV.
E



FOR CONTINUATION, SEE DRAWING C-036

FOR CONTINUATION, SEE DRAWING C-065

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
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	C	ISSUED FOR CLIENT REVIEW	08-21-19	CMW	PGT	
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	A	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

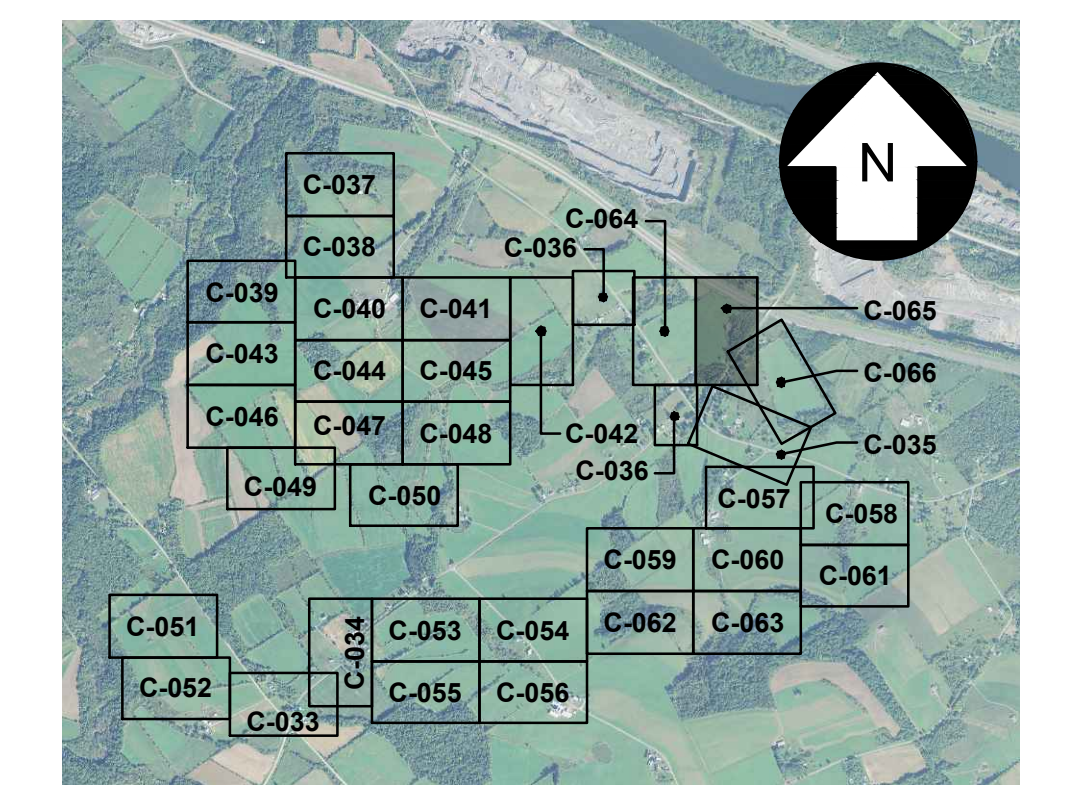
249 Western Avenue Augusta, ME 04330	PROJECT NO: 327851					
	REV	DES	CHK	APP		
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	08-21-19	CMW	PGT			
	08-09-19	SEK	PGT			
	07-19-19	SEK	PGT			

PGT DESIGNED SEK DRAWN CHECKED APPROVED	PRELIMINARY GRADING & DRAINAGE PLAN HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC MONTGOMERY CO., NY	FLORIDA	C-064	REV. D
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327851-HIGH RIVER-GRADING 028.dwg 2019.09.17

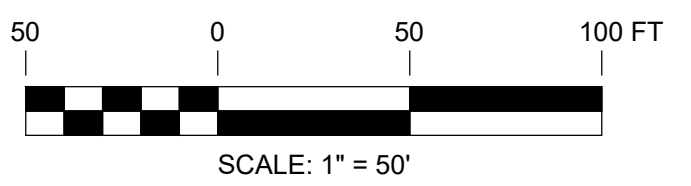


FOR CONTINUATION, SEE DRAWING C-066



KEY MAP
SCALE: 1" = 3,000'

UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



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TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

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A	ISSUED FOR CLIENT REVIEW	07-19-19	SEK	PGT	

PGT DESIGNED
SEK DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY
FLORIDA
C-065
DATE: 04/08
AS NOTED
SCALE:

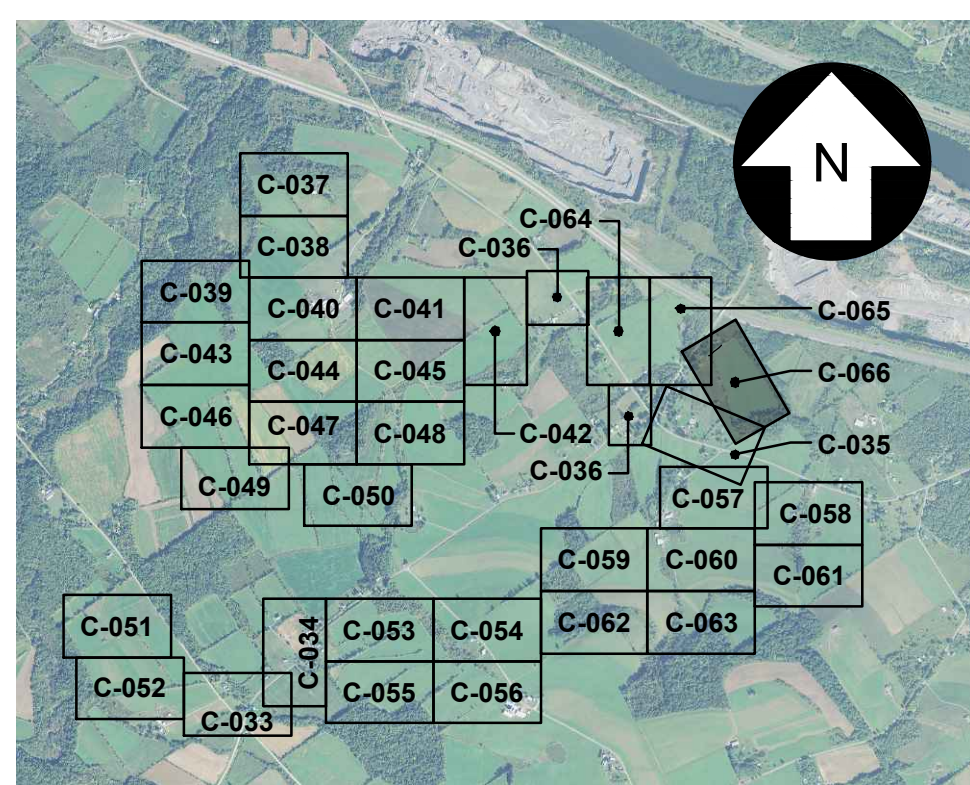


REV. D

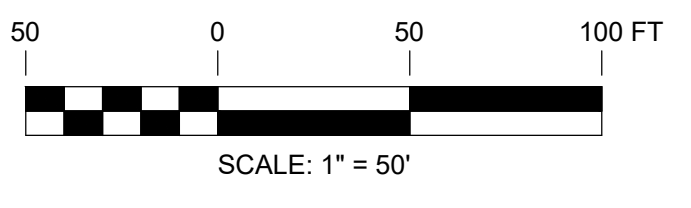
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FOR CONTINUATION, SEE DRAWING C-065



KEY MAP
SCALE: 1" = 3,000'



PRELIMINARY
NOT FOR CONSTRUCTION



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TRC 249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

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PGT DESIGNED
SEK DRAWN
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PRELIMINARY
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

FLORIDA

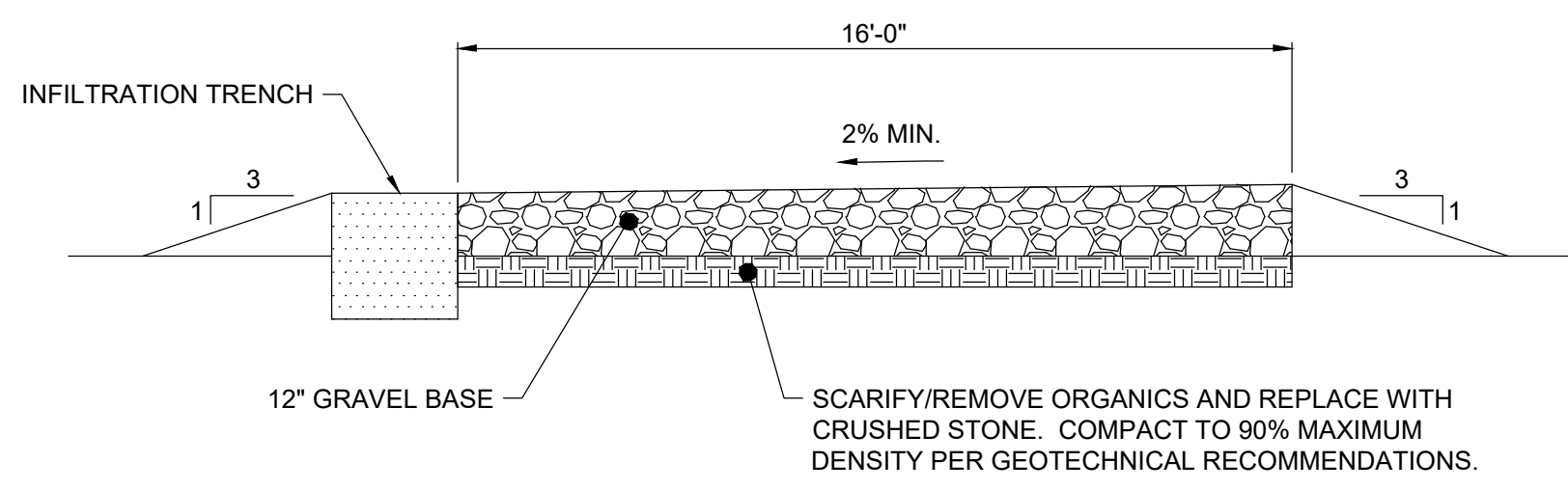
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AS NOTED
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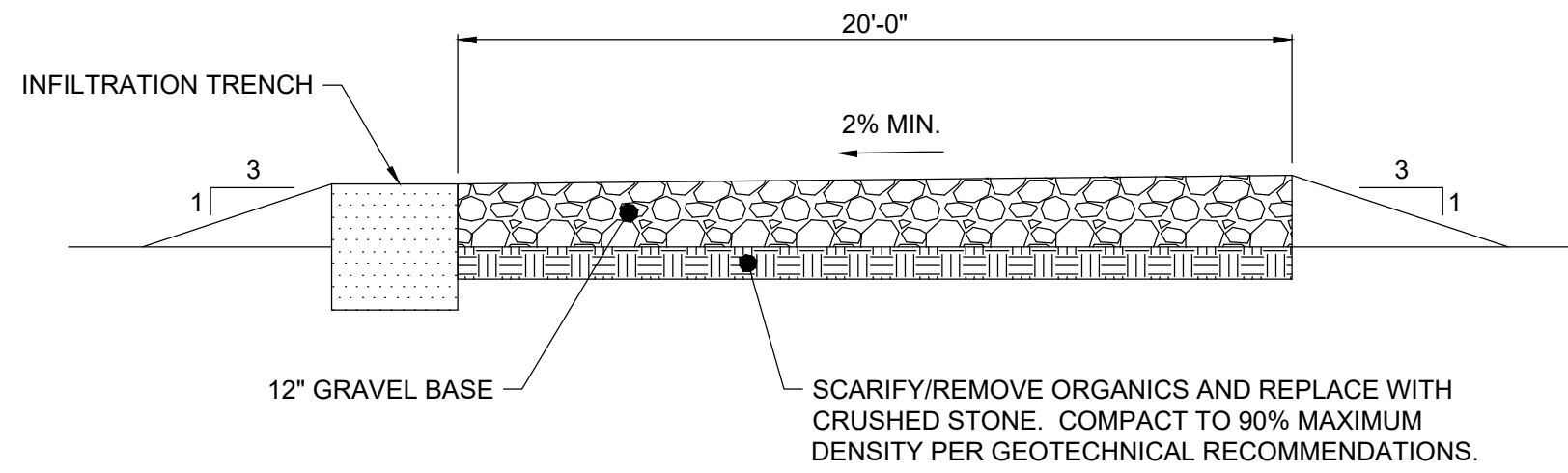
C-066

REV. D

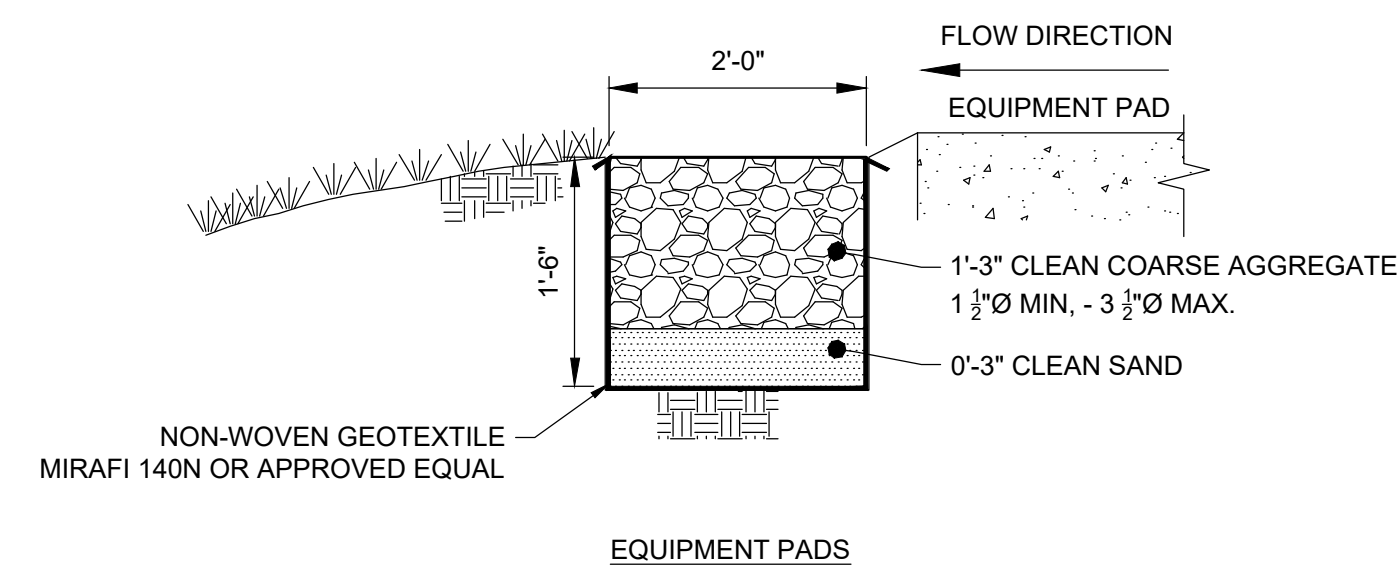
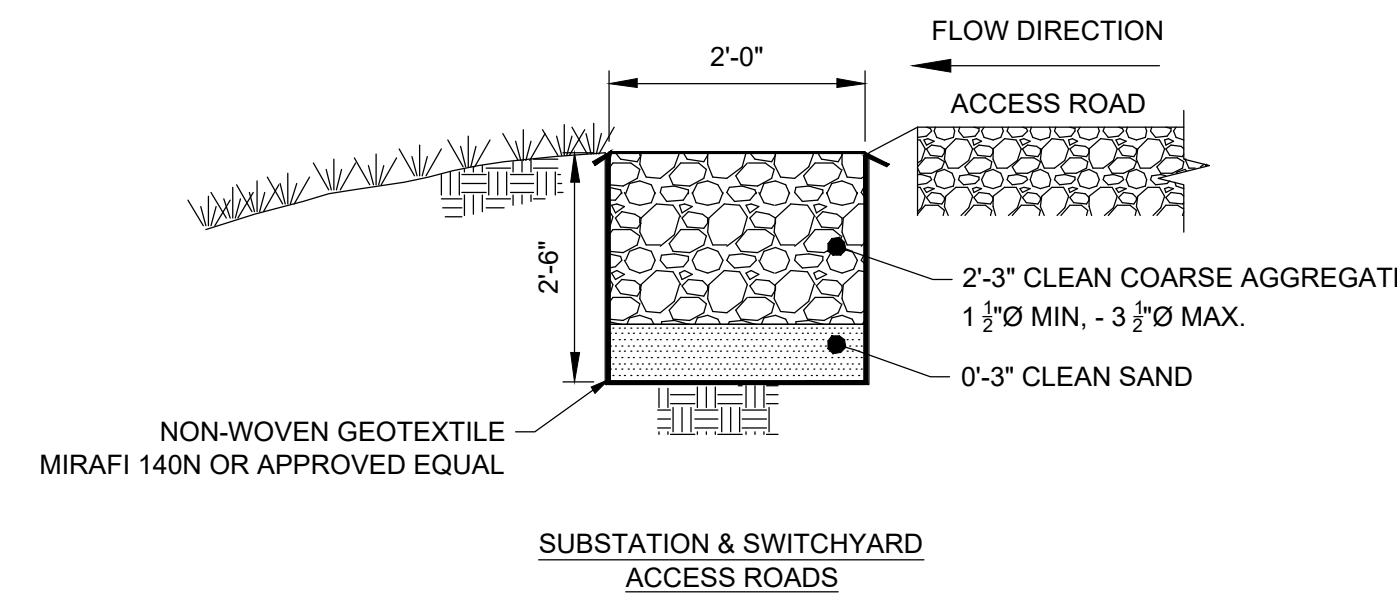
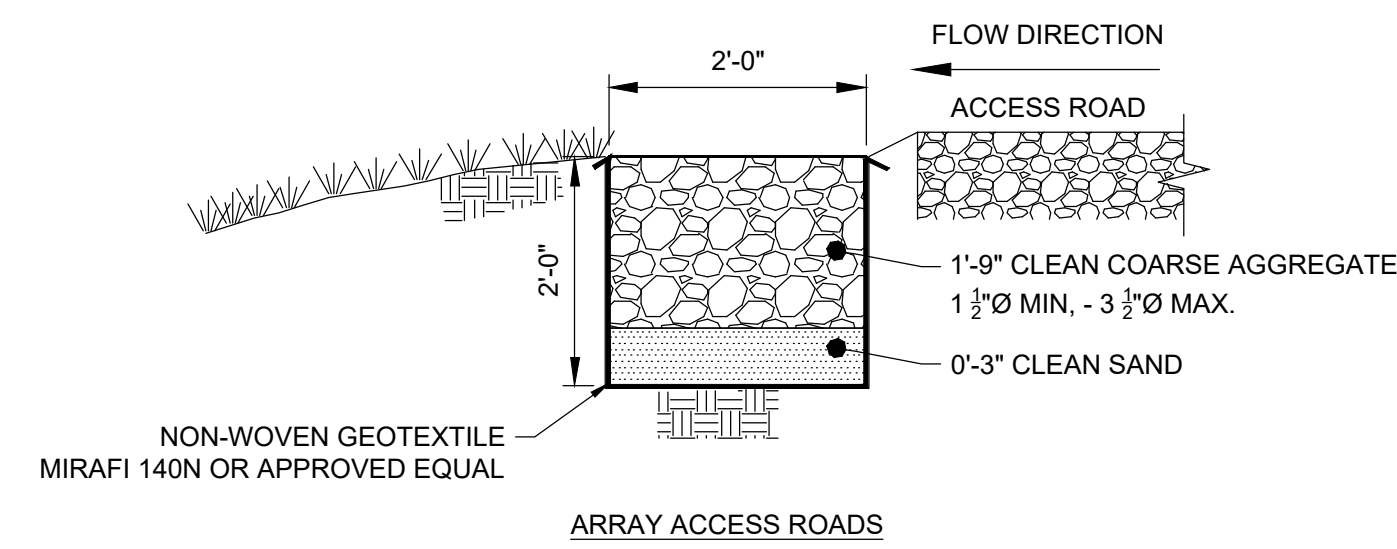
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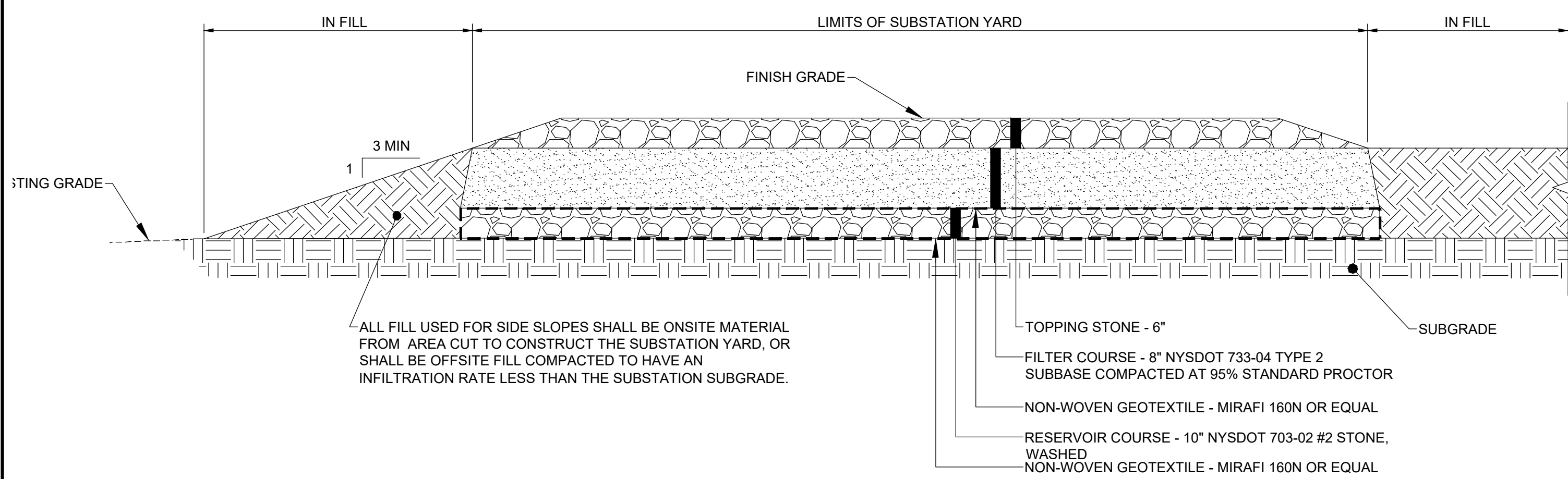
TYPICAL ARRAY ACCESS ROAD SECTION
SCALE: N.T.S.



TYPICAL SUBSTATION/SWITCH YARD ACCESS ROAD SECTION
SCALE: N.T.S.



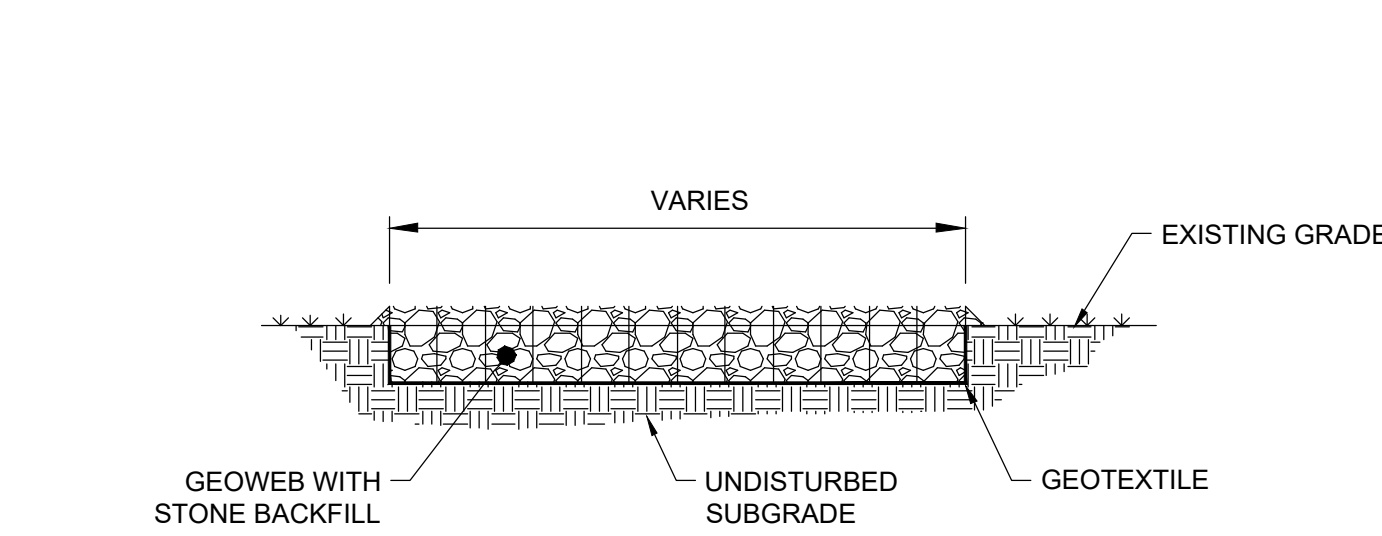
INFILTRATION TRENCH DETAILS
SCALE: N.T.S.



O&M YARD STORMWATER MANAGEMENT NOTES:

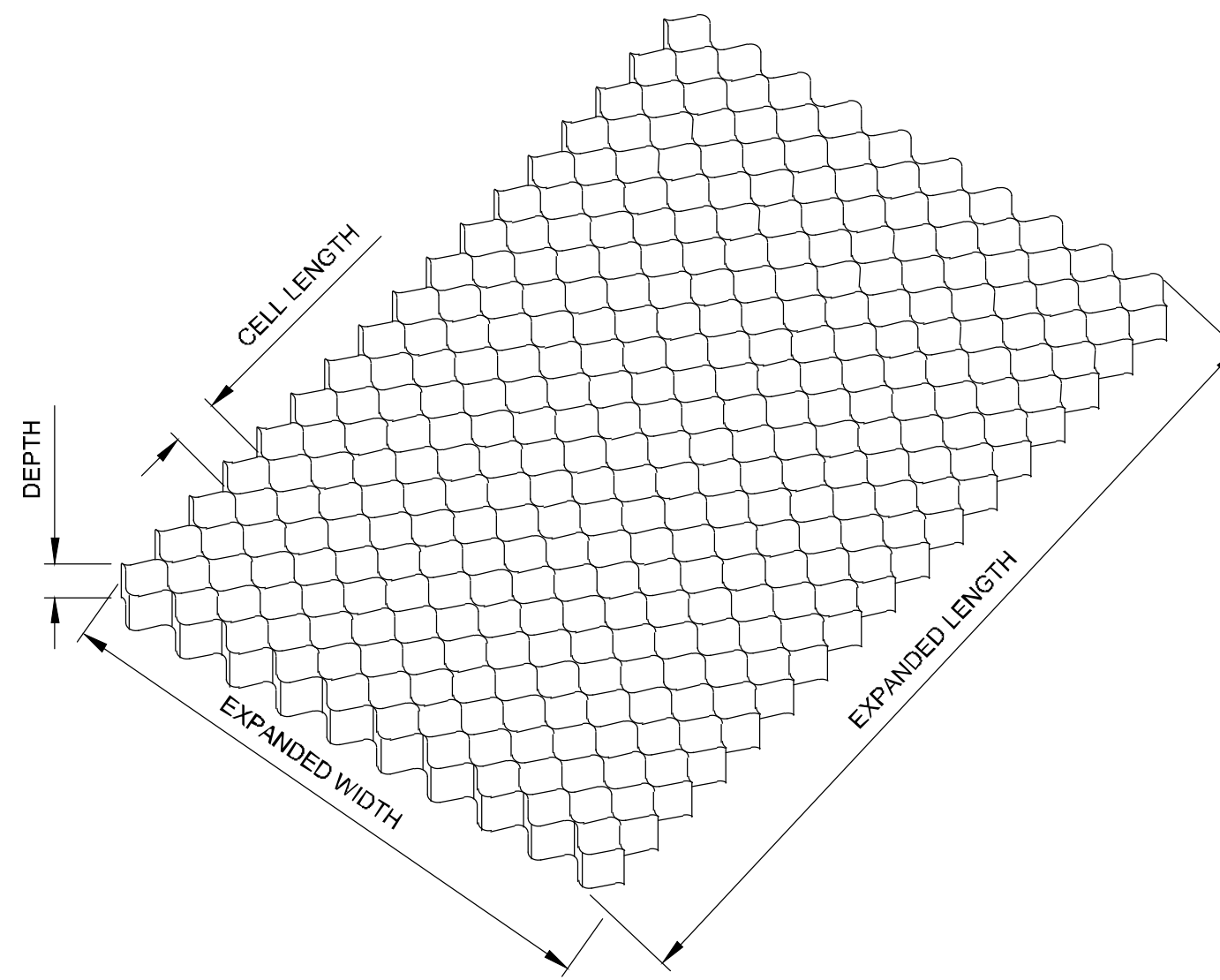
1. THIS ALTERNATIVE STORMWATER MANAGEMENT TYPICAL YARD SECTION IS BASED ON THE SYSTEM DEVELOPED BY NATIONAL GRID IN CONJUNCTION WITH EDR AND APPROVED BY THE STATE OF NEW YORK. THE NATIONAL GRID DISCLAIMER REQUIRED BY THEIR APPROVAL LETTER DATED FEBRUARY 25, 2016 IS INCORPORATED HEREIN BY REFERENCE.
2. ALTERNATIVE STORMWATER MANAGEMENT YARD OPTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NOTES AND DETAILS PROVIDED IN THE NATIONAL GRID LETTER ENTITLED "APPROVAL OF NATIONAL GRID'S ALTERNATIVE STORMWATER MANAGEMENT PRACTICES FOR SUBSTATION" DATED FEBRUARY 25, 2016.

TYPICAL SUBSTATION/SWITCH YARD SECTION
SCALE: N.T.S.

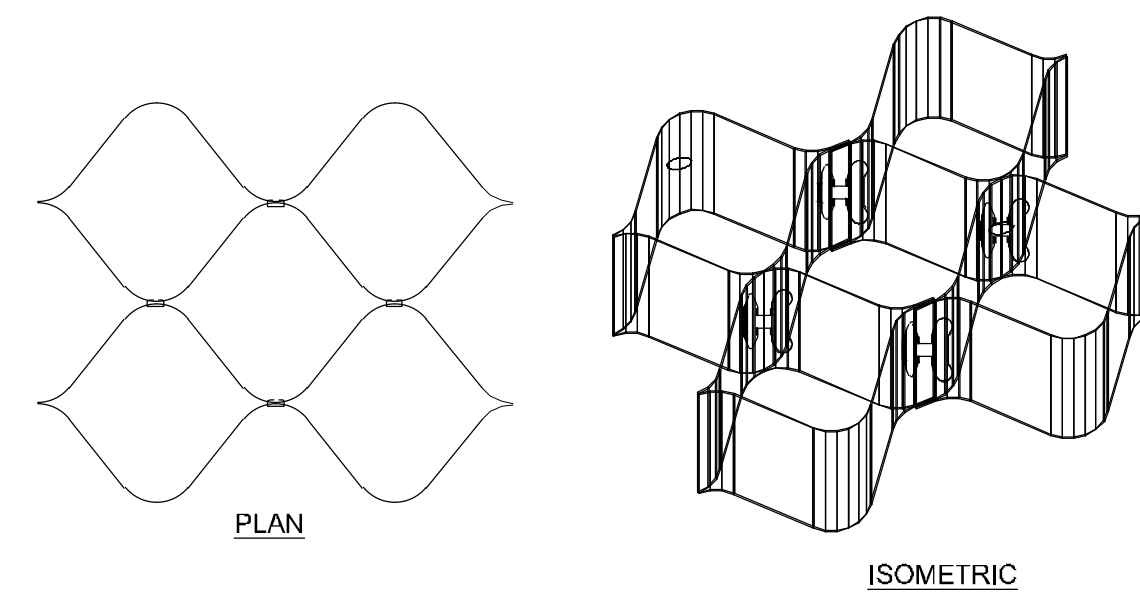


NOTES:

1. STRIP TOPSOIL AND STOCKPILE FOR REUSE.
2. GEOTEXTILE SHALL BE MIRAFI 500X, 600X, OR APPROVED EQUAL.
3. CELLULAR CONFINEMENT SHALL BE GEOWEB GW30V OR APPROVED EQUAL. MIN. CELL DEPTH SHALL BE 6".
4. STONE BACKFILL SHALL BE A WASHED BLEND (50/50) OF #1 AND #2 CRUSHED STONE - NYS DOT 703-02 COARSE AGGREGATE.
5. TOP DRESS GEOWEB AS NEEDED.

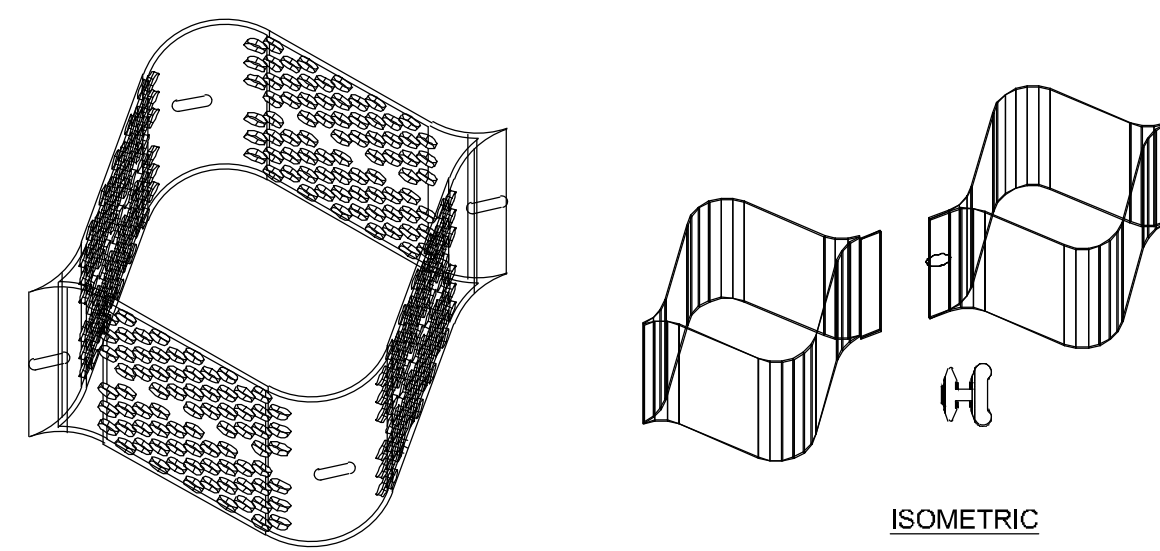


EXPANDED PERSPECTIVE



PLAN

ISOMETRIC



PERFORATED STRIP WITH I-SLOT

ISOMETRIC

CELLULAR CONFINEMENT SYSTEM - GEOWEB

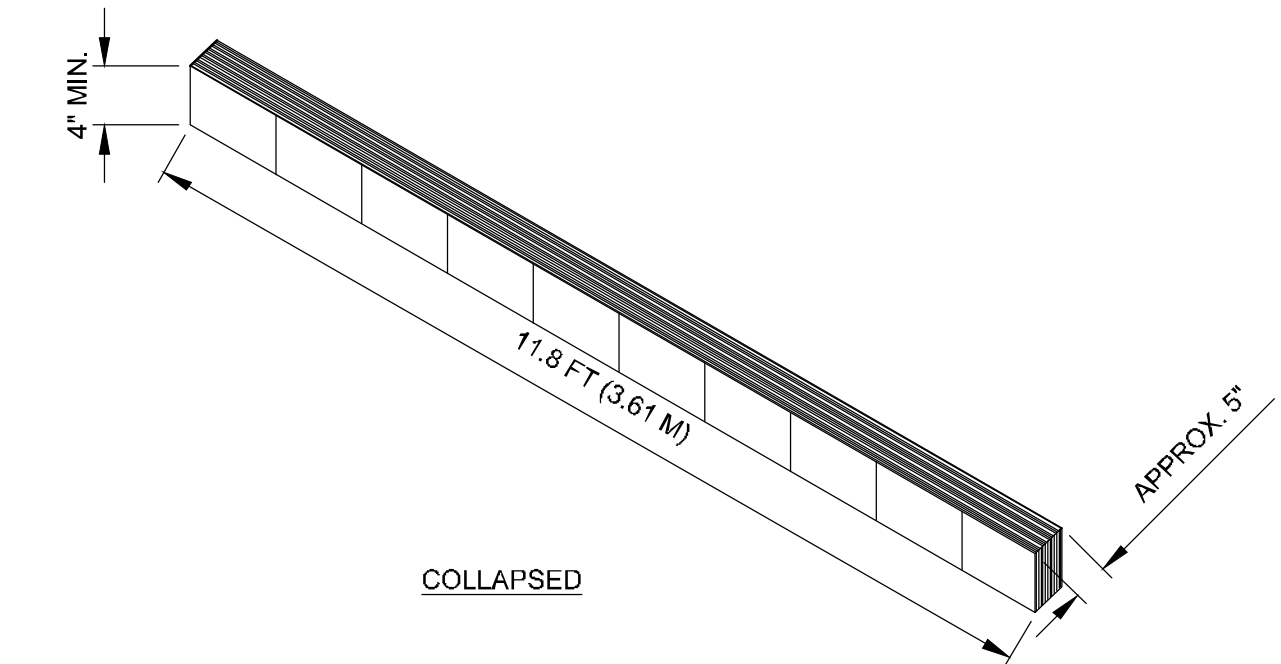
STABILIZED PERVIOUS ROAD SECTION GENERAL NOTES:

1. STABILIZED PERVIOUS ROAD SECTION IS INTENDED AS A STABILIZATION METHOD FOR ROAD MATERIALS IN LOCATIONS WHERE STORMWATER RUNOFF MAY FLOW ACROSS THE ACCESS ROAD. THE OPEN-GRADED STONE WILL ALLOW LOW FLOWS TO PASS THROUGH THE ROAD MATERIAL WHILE HIGHER FLOWS WILL PASS OVER THE ROAD. THE CELLULAR CONFINEMENT SYSTEM (GEOWEB) WILL PREVENT EROSION OF THE ROAD MATERIAL. THIS APPROACH MINIMIZES IMPACTS TO EXISTING RUNOFF PATTERNS.
2. STABILIZED PERVIOUS ROAD SECTIONS SHALL BE INSTALLED AT NATURAL LOW POINTS OF THE ACCESS ROADS AND TERRAIN WHERE STORMWATER RUNOFF IS LIKELY TO BE CONCENTRATED DUE TO EXISTING HYDROLOGY/TOPOGRAPHY, AND CULVERT INSTALLATION IS IMPRACTICAL DUE TO LIMITED COVER.
3. REMOVE STUMPS, ROCKS AND DEBRIS AS NECESSARY. FILL VOIDS TO MATCH EXISTING NATIVE SOILS AND COMPACTION LEVEL.
4. STRIPPED TOPSOIL MAY BE SPREAD IN ADJACENT AREAS AS DIRECTED BY THE PROJECT ENGINEER. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
5. REMOVE REFUSE SOILS AS DIRECTED BY THE PROJECT ENGINEER. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
6. ROADWAY WIDTH TO BE INSTALLED AS SHOWN ON PLANS.
7. THE STABILIZED PERVIOUS ROAD CROSS SLOPE SHALL BE 2% IN MOST CASES AND SHOULD NOT EXCEED 6%.
8. STABILIZED PERVIOUS ROAD SECTION IS NOT TO BE UTILIZED FOR CONSTRUCTION WHICH MAY SUBJECT THE ROAD SECTION TO SEDIMENT TRACKING. THIS SPECIFICATION IS TO BE DEVELOPED FOR POST-CONSTRUCTION USE. SOIL RESTORATION PRACTICES MAY BE APPLICABLE TO RESTORE CONSTRUCTION RELATED COMPACTION PRE-EXISTING CONDITIONS AND SHOULD BE VERIFIED BY SOIL PENETROMETER READINGS. THE PENETROMETER READINGS SHALL BE COMPARED TO THE RESPECTIVE PREVIOUSLY RECORDED READINGS TAKEN PRIOR TO CONSTRUCTION.
9. TO ENSURE THAT SOIL IS NOT TRACKED ONTO THE STABILIZED PERVIOUS ROAD SECTION, IT SHALL NOT BE USED BY CONSTRUCTION VEHICLES TRANSPORTING SOIL, FILL MATERIAL, ETC. IF ACCESS IS COMPLETED DURING THE INITIAL PHASES OF CONSTRUCTION, A STABILIZED CONSTRUCTION ACCESS/ENTRANCE IS REQUIRED TO REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES AND EQUIPMENT PRIOR TO ENTERING THE STABILIZED PERVIOUS ROAD SECTION. MAINTENANCE OF THE STABILIZED PERVIOUS ROAD WILL BE REQUIRED IF SEDIMENT IS OBSERVED WITHIN THE CLEAN STONE.
10. THE DRAINAGE DITCH IS OFFERED IN THE DETAIL FOR CIRCUMSTANCES WHEN CONCENTRATING FLOW COULD NOT BE AVOIDED. THE INTENTION OF THIS DESIGN IS TO MINIMIZE ALTERATIONS TO HYDROLOGY. HOWEVER WHEN DEALING WITH 2%-15% GRADES NOT PARALLEL TO THE CONTOUR, A ROADSIDE DITCH MAY BE REQUIRED. THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS FOR GRASSED WATERWAYS AND VEGETATED WATERWAYS ARE APPLICABLE FOR SIZING AND STABILIZATION. DIMENSIONS FOR THE GRASSED WATERWAY SPECIFICATION WOULD BE DESIGNED FOR PROJECT SPECIFIC HYDROLOGIC RUNOFF CALCULATIONS, AND A SEPARATE DETAIL FOR THE SPECIFIC GRASSED WATERWAY WOULD BE INCLUDED IN THIS PRACTICE. RUNOFF DISCHARGES WILL BE SUBJECT TO THE OUTLET REQUIREMENTS OF THE REFERENCED STANDARD. INCREASED POST-DEVELOPMENT RUNOFF FROM THE ASSOCIATED ROADSIDE DITCH MAY REQUIRE ADDITIONAL PRACTICES TO ATTENUATE RUNOFF TO PRE-DEVELOPMENT CONDITIONS.
11. IF A ROADSIDE DITCH IS NOT UTILIZED TO CAPTURE RUNOFF FROM THE ACCESS ROAD, THE STABILIZED PERVIOUS ROAD SECTION WILL HAVE A WELL-ESTABLISHED PERENNIAL VEGETATIVE COVER, WHICH SHALL CONSIST OF UNIFORM VEGETATION, 20 FEET PARALLEL TO THE DOWN GRADIENT SIDE OF THE ACCESS ROAD. POST-CONSTRUCTION OPERATION AND MAINTENANCE PRACTICES WILL MAINTAIN THIS VEGETATIVE COVER TO ENSURE FINAL STABILIZATION FOR THE LIFE OF THE ACCESS ROAD.

GEOWEB MATERIAL NOTES:

1. CELLULAR CONFINEMENT SYSTEM SHALL BE PRESTO GEOSYSTEM GEOWEB OR APPROVED EQUAL.
2. INSTALLATION SHALL BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. GRAVEL FILL MATERIAL SHALL CONSIST OF CLEAN, DURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYS DOT ITEM 703-02, SIZE DESIGNATION 3-5 OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH, A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.
4. THE TOP EDGES OF ADJACENT CELL WALLS SHALL BE FLUSH WHEN CONNECTING. ALIGN THE I-SLOTS FOR INTERLEAF AND END TO END CONNECTIONS. THE GEOWEB PANELS SHALL BE CONNECTED WITH ATRA KEYS AT EACH INTERLEAF AND END TO END CONNECTIONS. REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER INSTALLATION, TYING AND CONNECTIONS.

BASIS OF DESIGN: PRESTO GEOSYSTEMS GEOWEB; 670 NORTH PERKINS STREET, APPLETON, WI; 800-548-3424 OR 920-738-1222; INFO@PRESTOGEOWEB.COM; WWW.PRESTOGEOWEB.COM



COLLAPSED

STABILIZED PERVIOUS ROAD SECTION
SCALE: N.T.S.

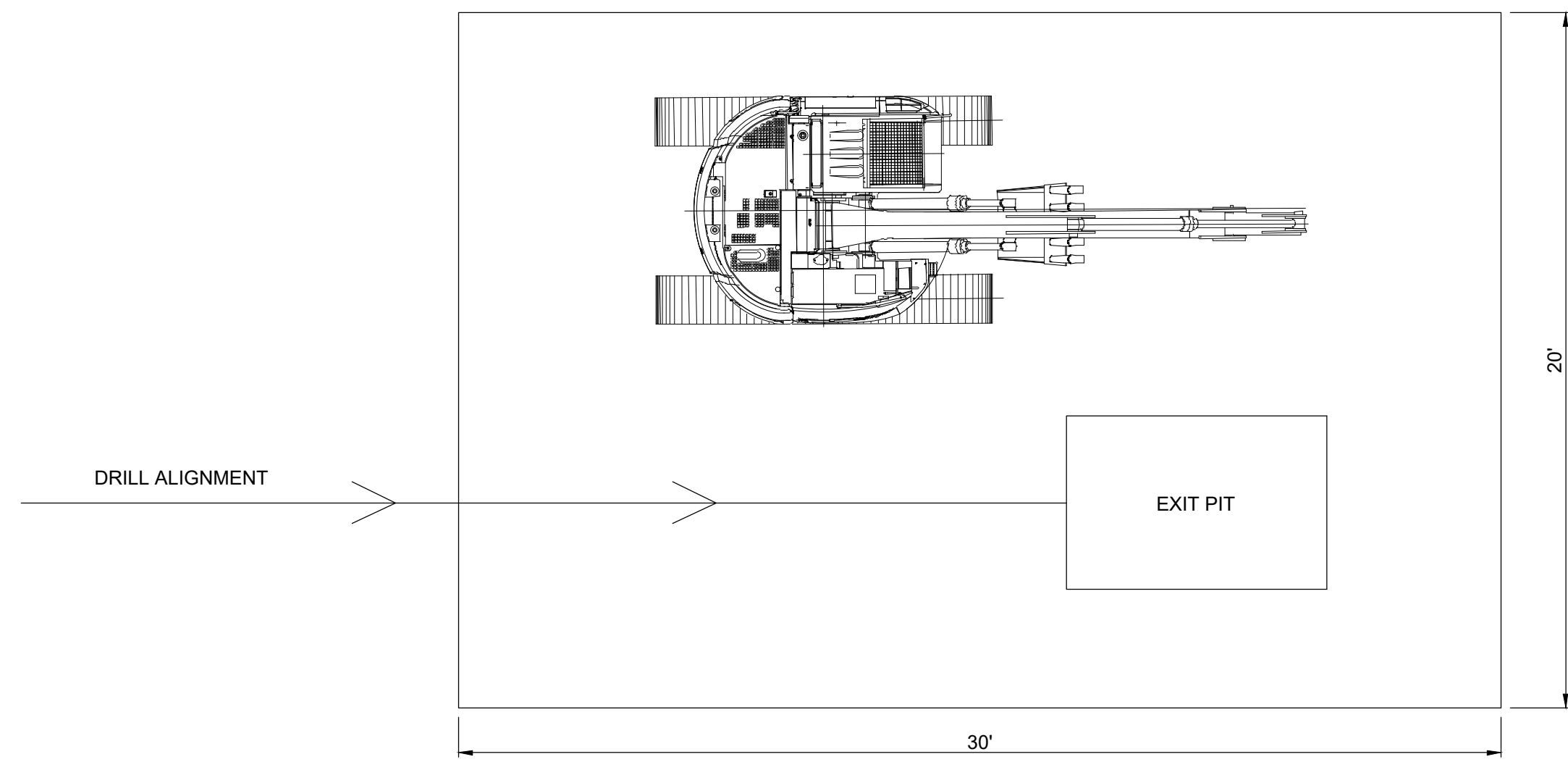
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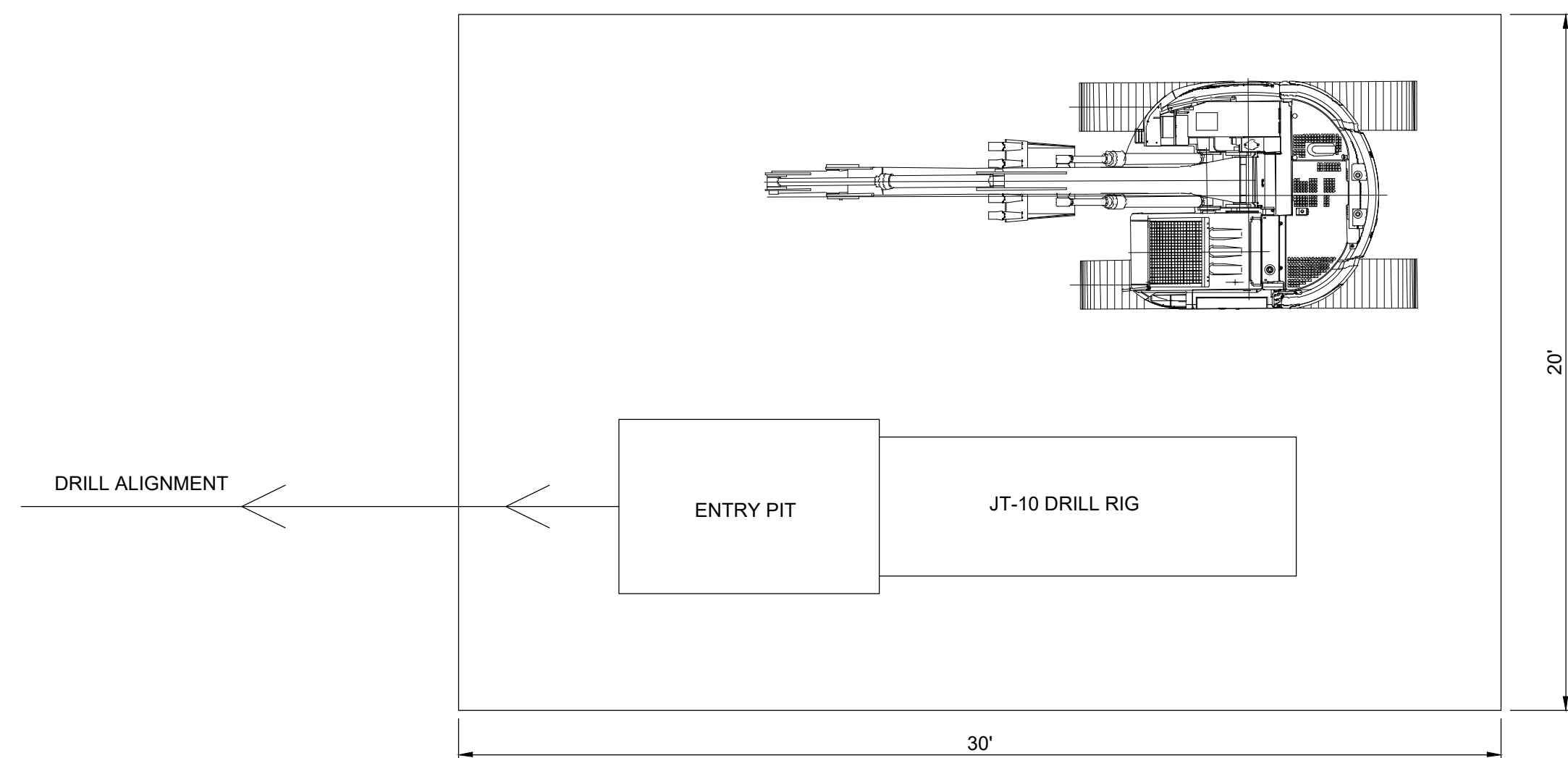


		249 Western Avenue Augusta, ME 04330		PROJECT NO: 327851		
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B	ISSUED FOR CLIENT REVIEW	07-19-19	PGT	PMM		

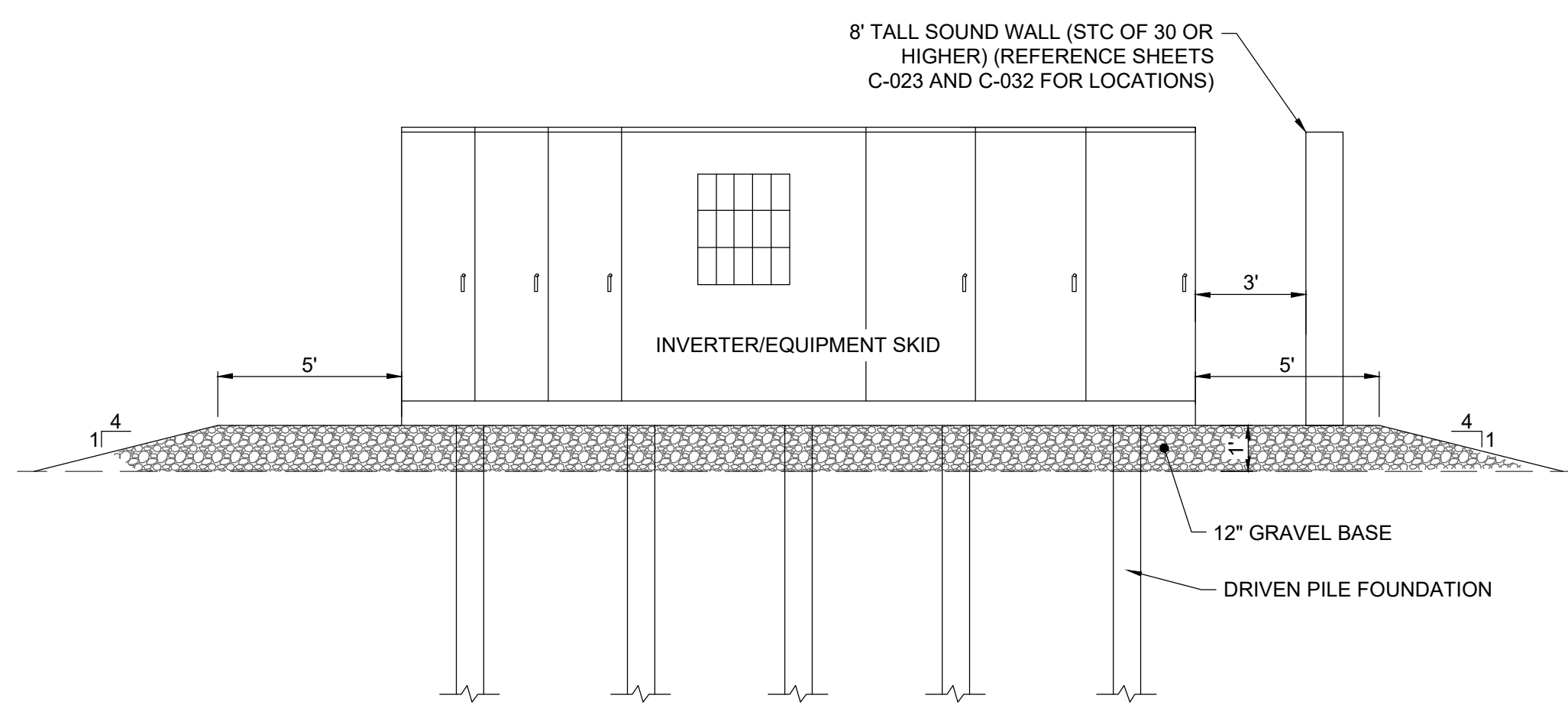
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ESB DRAWN				
RAY CHECKED				
PMM APPROVED				
REVIEW 1 DATE 04/15	AS NOTED SCALE			
REVIEW 2				



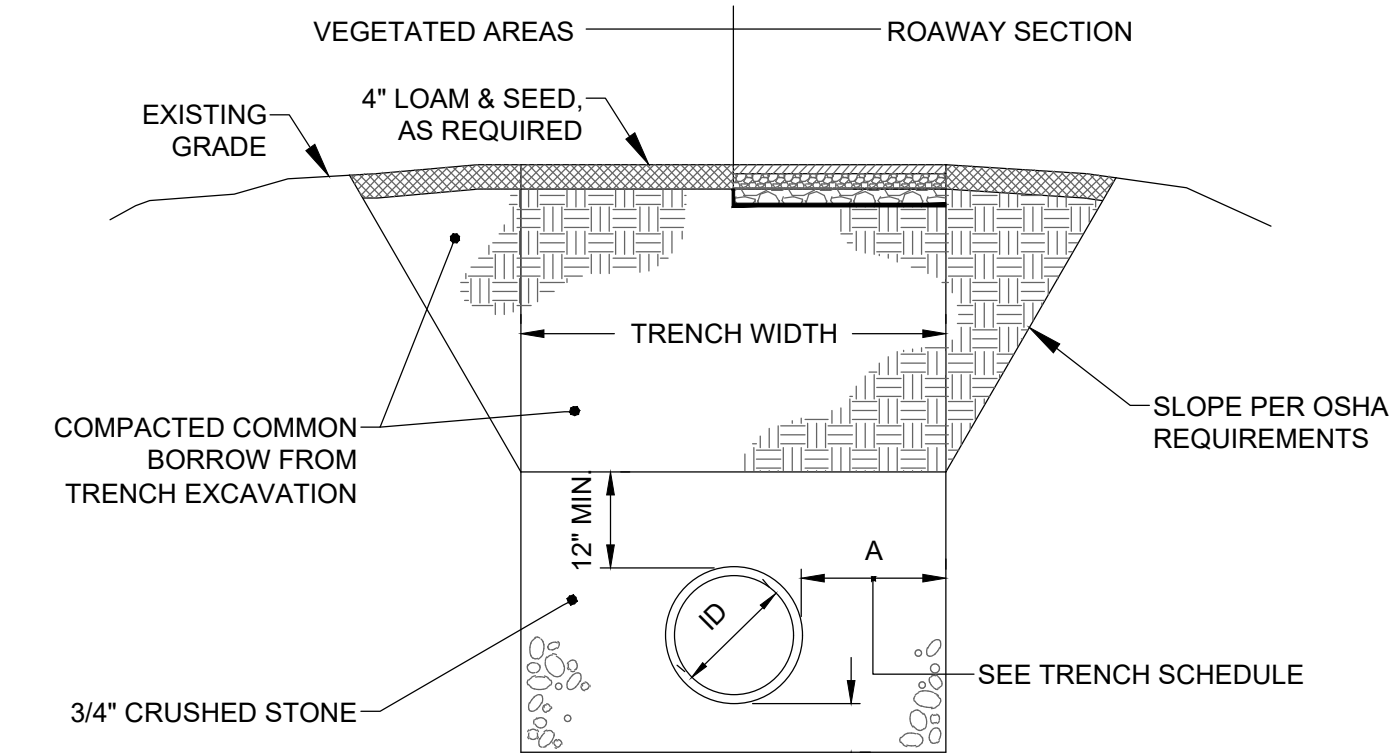
HDD RECEIVING SITE SETUP SCHEMATIC (EXIT PIT)
NOT TO SCALE



DRILL OPERATION SITE SETUP SCHEMATIC (ENTRY PIT)
NOT TO SCALE



PILE SUPPORTED EQUIPMENT PAD ELEVATION
NOT TO SCALE

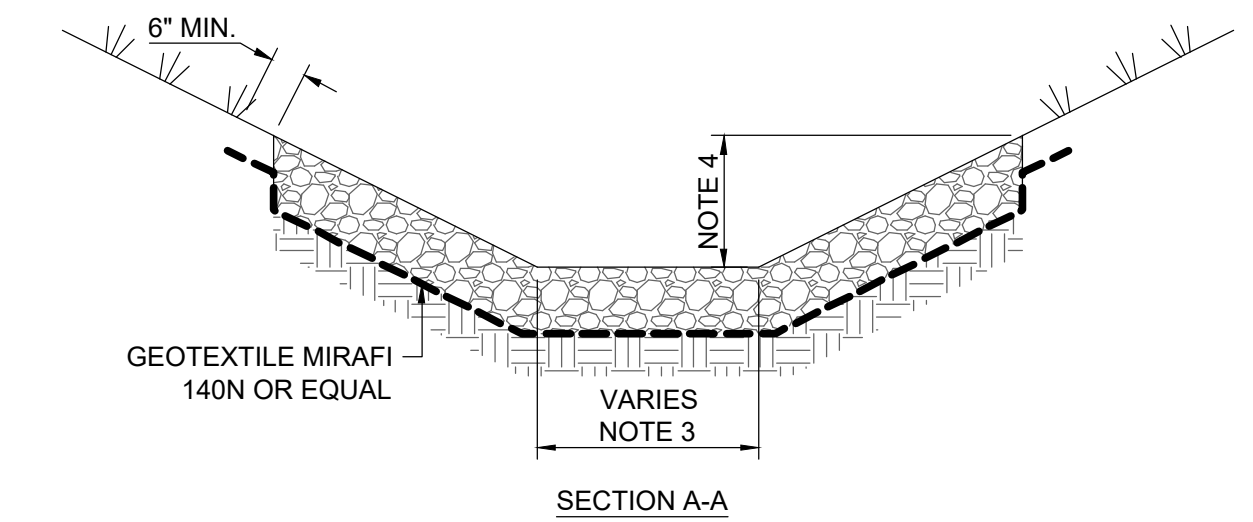
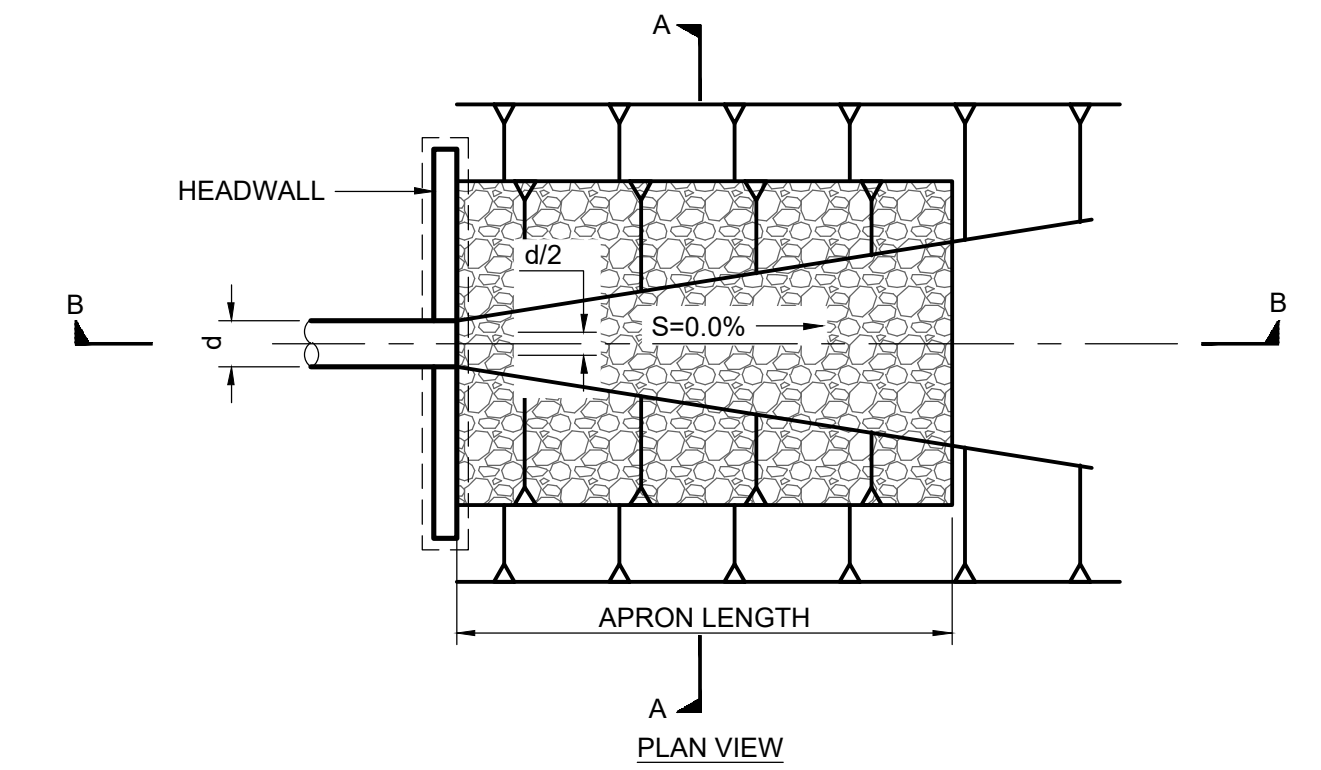


- NOTES:
1. SHORE TRENCH EXCAVATION AS REQUIRED TO MINIMIZE EXCAVATION AND IMPACTS TO ADJACENT UTILITIES STRUCTURES OR PAVEMENT.
 2. TRENCHES SHALL BE CONSTRUCTED IN ACCORDANCE WITH OSHA REQUIREMENTS.
 3. CRUSHED ROCK SHALL HAVE A MAXIMUM PARTICLE SIZE OF 1 1/2" DOWN TO 10% OR LESS PASSING A #200 U.S. STANDARD SIEVE.

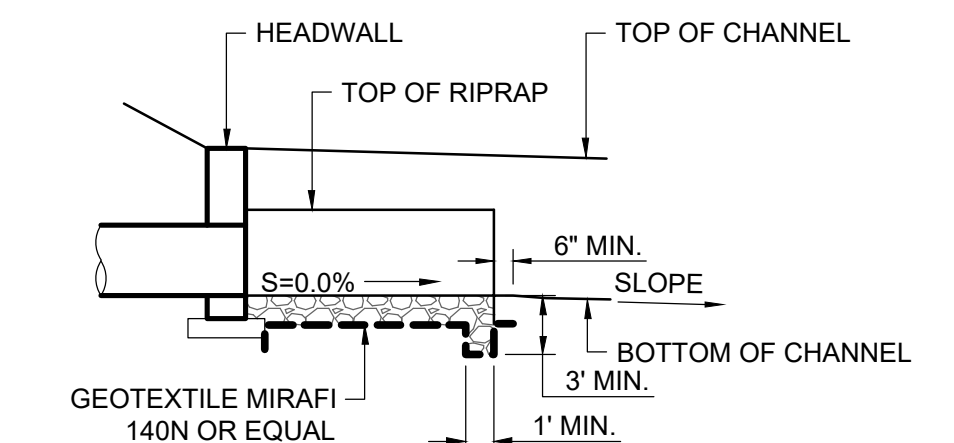
TRENCH SCHEDULE	
ID	A (MIN.)
4"-12"	0'-10"
15"	0'-10"
18"	0'-10"
24"	0'-6"
30"	0'-6"
36"	0'-6"

TYPICAL CULVERT PIPE TRENCH DETAIL
NOT TO SCALE

TABLE 1 - RIP RAP OUTLET DIMENSIONS			
CULVERT ID#	DIAMETER	APRON LENGTH	D50 RIPRAP SIZE
1P	(2) 54" RCP	14 FEET	6 INCHES
2P	(2) 48" RCP	20 FEET	6 INCHES
3P	(2) 54" RCP	25 FEET	6 INCHES
4P	(2) 36" RCP	14 FEET	6 INCHES
5P	(2) 54" RCP	20 FEET	6 INCHES
6P	(2) 30" RCP	9 FEET	6 INCHES
7P	18" RCP	9 FEET	6 INCHES
8P	18" RCP	9 FEET	6 INCHES
9P	18" RCP	9 FEET	6 INCHES



SECTION A-A

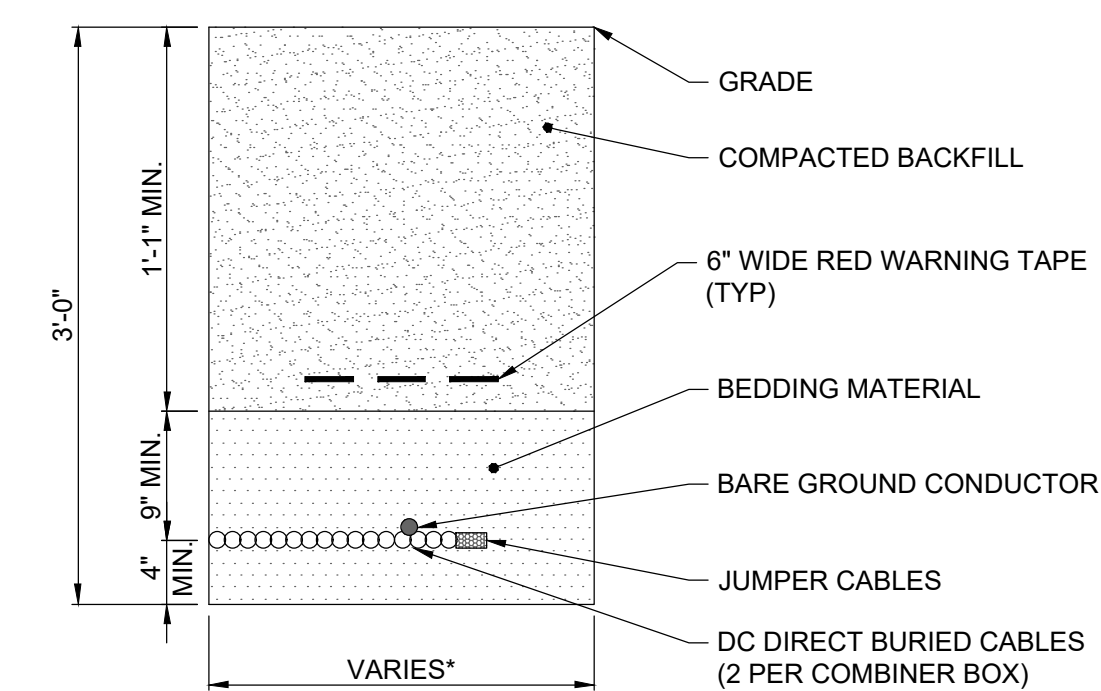


SECTION B-B

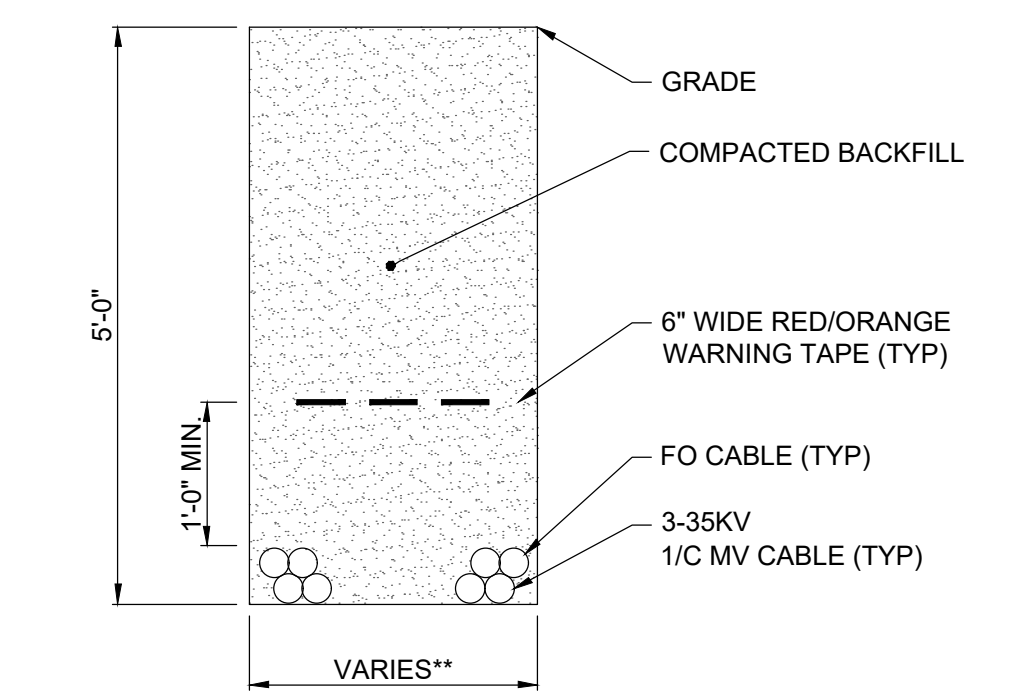
NOTES:

1. CONSTRUCT RIPRAP PROTECTION IN ACCORDANCE WITH NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
2. OUTLET PROTECTION DIMENSIONS TO BE AS INDICATED BY TABLE 1
3. BOTTOM WIDTH VARIES FROM d/2 AT PIPE OUTLET TO FULL CHANNEL WIDTH AT END OF APRON.
4. SIDE SLOPE VARIES FROM 2:1 AT PIPE OUTLET TO FLAT AT APRON LIMITS.

(CONFINED CHANNEL DISCHARGE)
RIPRAP OUTLET PROTECTION 2
NOT TO SCALE



*6 INCHES TO 48 INCHES
TYPICAL DC TRENCH SECTION
NOT TO SCALE



**6 INCHES FOR ONE FEEDER, 18 INCHES FOR 2 FEEDERS
TYPICAL AC/FIBER TRENCH SECTION
NOT TO SCALE

NOTES:

1. TYPICAL TRENCH DETAILS ARE PROVIDED TO INDICATE TRENCH DIMENSIONS ONLY. COLLECTOR LINES SHOWN IN DETAILS ARE CONCEPTUAL ONLY.
2. TRENCH WIDTH VARIES BASED ON THE NUMBER OF CIRCUITS.
3. TRENCHES THROUGH ACTIVE AGRICULTURAL FIELDS SHALL PROVIDE 4 FEET OF COVER (MINIMUM) OVER CABLES.

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		249 Western Avenue Augusta, ME 04330		PROJECT NO: 327851	
REV	DESCRIPTION	DATE	DES	CHK	APP
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	CMW	PGT	
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B	ISSUED FOR CLIENT REVIEW	07-19-19	PGT	PMM	

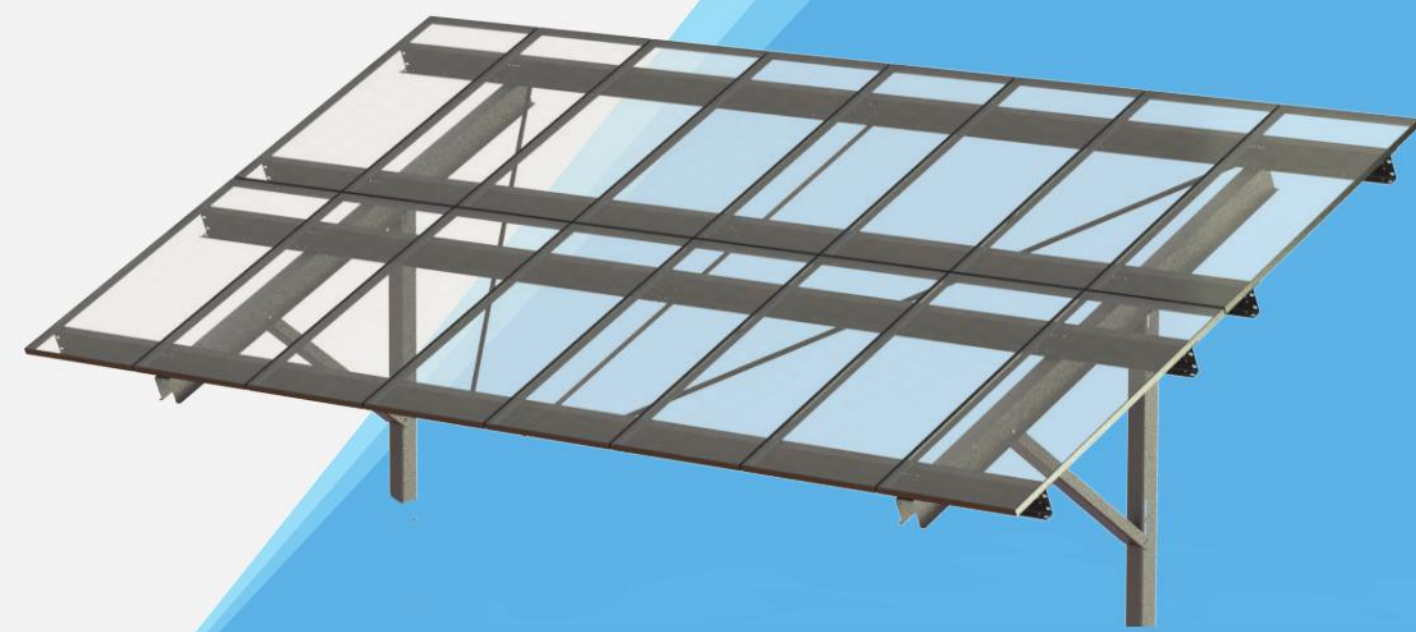
PGT DESIGNED ESB DRAWN RAY CHECKED PMM APPROVED	PRELIMINARY CIVIL DETAILS 2 HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC MONTGOMERY CO., NY	
FLORIDA	04/15 DATE AS NOTED SCALE	TRC C-068
REVIEW 1 REVIEW 2	REVIEW 1 REVIEW 2	REV. E

OVER 3.2 GW SOLD
Every System For Your Every Need



**MAXSPAN™
PILE DRIVEN SYSTEMS**
BEST QUALITY AND PRICED PILE DRIVEN
FIXED TILT SYSTEMS

**TECHNICAL
DATASHEET**



**FAST INSTALL & HANDLES
SLOPING GROUND**

Supports all poly, glass and thin film modules
Rugged design enables 175 mph [78m/s] wind
and 90 psf [4kPa] snow loads
Turnkey install, pull test and geotech services available

Galvanized Z purlins have
integrated trays for easy
wire management
5° to 35° tilt with multiple
inter-row spacing options

**LESS PILES
UNMATCHED SPAN
UP TO 15%
TERRAIN SLOPES**



OVER 3.2 GW SOLD
Every System For Your Every Need



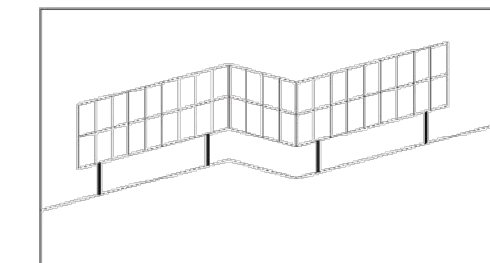
MaxSpan™ FastBuild's rugged beam and brace
rapidly attach to pile with just six bolts and nuts
- fewest parts in the industry



MaxSpan™ Wide Flange's telescoping post bracket
with up to 5 inches vertical adjustment for fast top of
pile leveling



Patent pending articulating purlin
connection to navigate sloping terrain



Articulating purlin connections to navigate
up to 15% terrain slopes

Features

Three axes of adjustability demanded by installers for navigating real world site conditions
where significant adjustability in the field is required

The unmatched span capability of MaxSpan™ means there are fewer foundations than competing
systems, which means less piles and less pile installation cost. As few as 190 piles per MW

Up to 4 ft. (1.22cm) high ground clearance to allow for snow and vegetation
5° to 35° tilt with multiple inter-row spacing options

Full layout and engineering analysis for every project
Integrated grounding and wire management

MaxSpan™ FastBuild
StickyFile™: G235 galvanized steel (HDG available), purlins, beams & braces: G90 galvanized steel
20 men install 1.55MW per week

Standard system has 6" + 3.5" (15 + 9cm) vertical adjustability
MaxSpan™ Wide Flange
Industry's most flexible racking system handles undulating ground conditions

Telescoping post bracket with over 5" (13cm) vertical adjustment for fast top of pile leveling
Multiple options available with Wide Flange

Test & Certification

- Meet IBC and ASCE standards for structural loading
- ETL / UL 467 GameChange top mount clamps or star washers included
- ETL / UL 2703 tested
- Wind tunnel tested by industry leader CPP
- Independent assessment by Black & Veatch
- Warranty 20 years - Made in USA

Calculations

- 100% code compliant designs for any locality
- Structural PE drawings & calculations for foundation & racking structure
- Available 2 up in portrait and 4 up in landscape poly as well as multiple glass on glass module
configurations incl. First Solar Series 4 & 6"
- Design loads according to IBC 6 ASCE

Pull Test, Geotech & Installation Services

- Free pull test on orders over 5 MW
- Vertical and lateral capacity of the post is determined by pull test
- Test data is then analyzed by our in-house engineering team in parallel with
geotechnical report to give the most efficient embedment depths, spans and post type
- Turnkey installation of piles, racks and modules available

Material

- Post: G235 galvanized steel (HDG ASTM A123 option also available)
- Galvanized Purlins, NS Beam, Brace: G90 galvanized steel
- Star washer or ETL / UL top mount teether module clamp: stainless steel

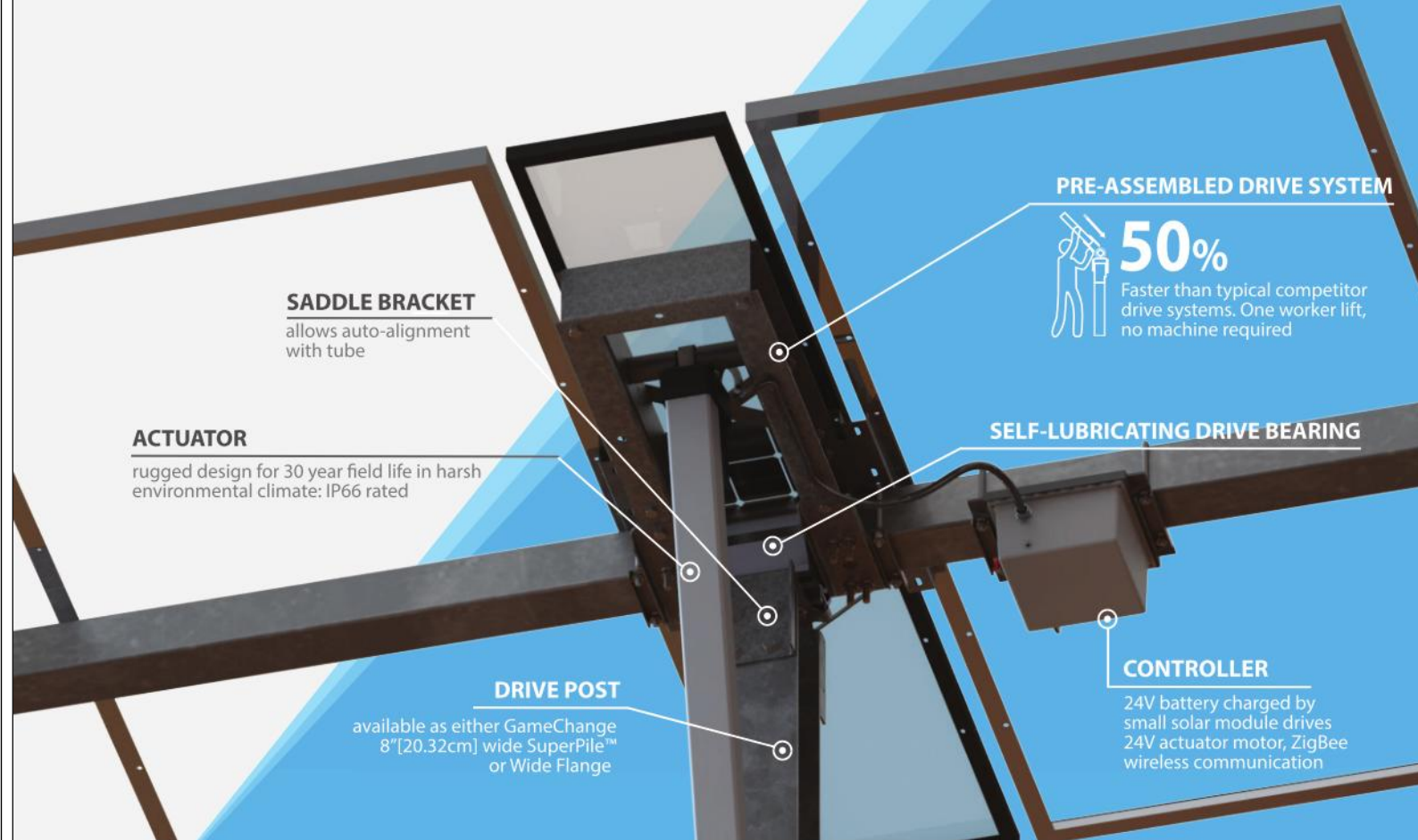
GameChange Solar
152 W 57 Street 17FL, New York, NY 10019
Email: info@gamechangesolar.com
Phone: 212-388-5160
Fax: 646-607-2223
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OVER 3.2 GW SOLD
Every System For Your Every Need



GENIUS TRACKER™
WORLD'S HIGHEST POWER PRODUCING
AND FASTEST INSTALLING SOLAR TRACKER

**TECHNICAL
DATASHEET**



OWNERS BENEFITS

UP TO **6.75%** MORE POWER PRODUCTION

RESULTS IN HIGHER
KWH OUTPUT & UP TO
40% HIGHER ROE

FASTEST INSTALLING SYSTEM
ADVANCED DESIGN INNOVATIONS AND PRE-ASSEMBLED COMPONENTS

40% Faster than typical competitor drive systems. One worker lift, no machines required.
30% Faster than typical competitor drive systems. One worker lift, no machines required.

OVER 3.2 GW SOLD
Every System For Your Every Need



**GENIUS
TRACKER™
OWNERS BENEFITS**

UP TO 40% HIGHER ROE
Combine to increase owner cash flow
of sample project to \$17MM cash flow
vs \$13MM & \$15MM for competitors

Higher Module Density - increased
row spacing means more time facing
the sun and less time running from
the shade, adds up to 5% more power
production than competitors

WeatherSmart™ - AI technology
optimizes tilt angle based on
weather data to maximize power
production, adds up to 1.25%
additional power production

PowerBoost™ - Smart optimization
allows table rows to respond
individually based on topography
to prevent shading, adds up to 0.5%
additional power production.
Available in Q4 2018

LOWEST O & M COST
Lowest glass cutting & module
washing cost
Zero maintenance drive system

INSTALLERS BENEFITS

FASTEST INSTALLING SYSTEM
Advanced design innovations &
pre-assembled components

Pre-assembled Drive Arm - can be lifted
by one worker, no machine required.
50% faster than typical competitors

SpeedClamp™ - Mounts modules
with no mounting hardware, speeds
module installation up to 40%

QuikClamp™ - Speeds install for
FSLR Series 4 modules up to 30%

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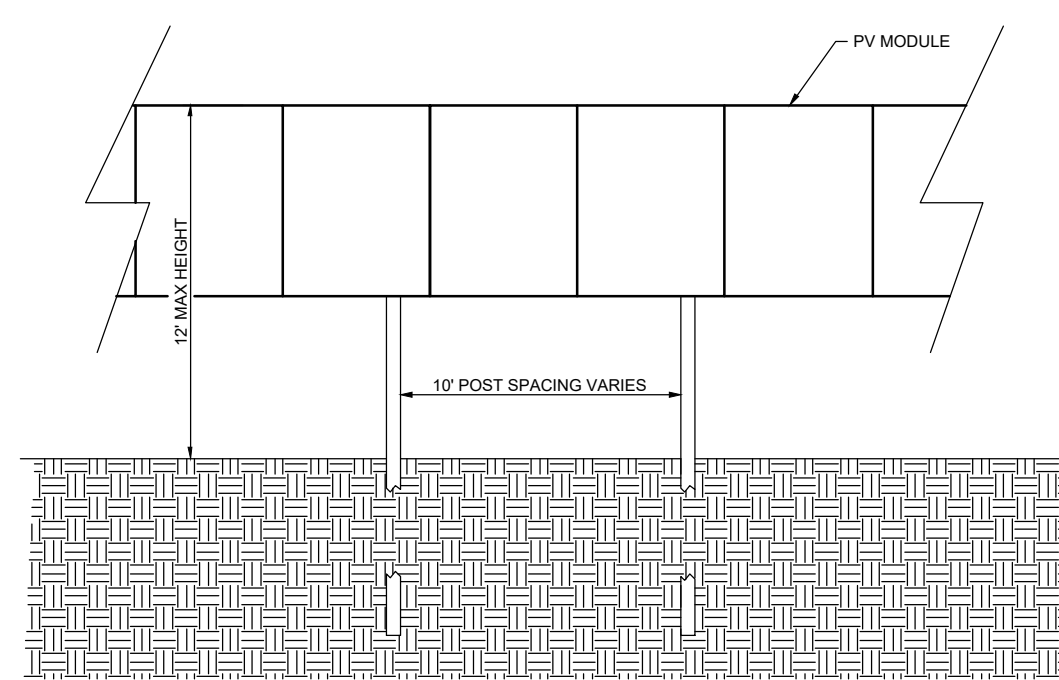
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Modules	Supporting Type	Most commercially available, including frameless crystalline and thin film
Civil	Slope Tolerance (#)	7% standard, can go to 15% special order
	Slope Tolerance (#W)	15% Tracker follows slope (#W) Yes
Structural	Drive Type	Robust linear actuator stainless steel & aluminum
	Piles per MW	450/MW typical
	Operating Wind Load	105mph/150mph/Premium 1 / 150mph/Premium 2 / 175mph/Premium 3
	Snow Load	50psf/20psf/Premium 1 / 40psf/Premium 2 / 60psf/Premium 3
	Tracking Range (deg)	45° - 53° Tracking Range (Premium)
	Pile Sections	G235 galvanized steel (or HDG option) roll formed standard points HDG wide flange option also available
	Pile Size (width) & (height)	6" x 6" roll form shape or W6x7 or W6x9 or W6x15 wide flange
	Motor Foundation	6.5" x 8" roll form hat or W6x15 or larger wide flange
	Standard Embedment	5 - 7 ft Flood Plain Allowance Up to 6 feet
Design	Module Configuration	1 up in portrait for crystalline, FSLR Series 6, 2 up landscape for bifacial, 3 to 4 up landscape FSLR Series 4
	Modules per Table	Up to 340 ft. in length 1072 modules
	Module Attachment	SpeedClamp™ or bolts available for bottom mount frame modules or clamps for glass on glass modules
	Ground Coverage Ratio	0.25 to 0.65
	Rows per Drive	1 drive per tracker/table, distributed drive system
	Powering System	Onboard solar module with battery or wireless power
	Compliance	UL 2703 / 303
	Ground Clearance to Module	2 ft
	Min / Max Ground to Top of Pier	51" typical / ground clearance = 51" + 9" adjustment range
	Backtracking	Yes, although can be turned off as requested (star washers)
	Temperature Range	-20° C + 48° C
	FCC 3rd party design verified	Compliant with FCC guidelines
Self Perform	Specialty Tools Required	No
	Mechanical Installation	Available
	Max offload for deliveries	As per customer requirement
Electrical	Tracking Method	Time and location based algorithm
	String Design	Compatible with any string size
	Cable Supports	Free hole punching as per customer requirement
	Linear Actuator Motor	24 volt DC
	Controller Box	ZigBee™ wireless communications, 24v solar panel and battery or wireless power Master to Node ZigBee™ wireless communications
	Control System	Master to SCADA/DAS, MODBUS communications
	# of Motors	28 to 52 / MW depending on panel wattage and loading conditions (5% to 10% typical)
	1000V System or 1500V System	Both
	Grounding Method	Tracker structure is part of grounding path per UL 2703
	UL Listed Assembly	UL 2703 / UL 3703
	NEMA Ratings	IP66 stroke tube end / 67 waterproof motor end (see technical manual)
	# Weather Station	1 per 6 MW typical
	Monitoring System	Web portal interface available
	Snow & Flood Sensors	Compatible with all standard third party monitoring vendors
	Backup Power	Move panels to optimum location for weather events Solar module and battery providing integrated backup - 3 days
O & M	Warranty	5 year drive & control, 10 year structural standard, 10/20 also available
Shipping	Max load	45,000 lbs. per truckload 5,000 lbs. maximum bundle size 2,000 lbs. or other maximum as requested by customers
	Shipping Containers or flatbeds	Flat beds for structure, dry vans for hardware
	# Trucks per MWdc	2.76 typical
Commissioning	Backfeed required?	No, Generator for power to master as alternative

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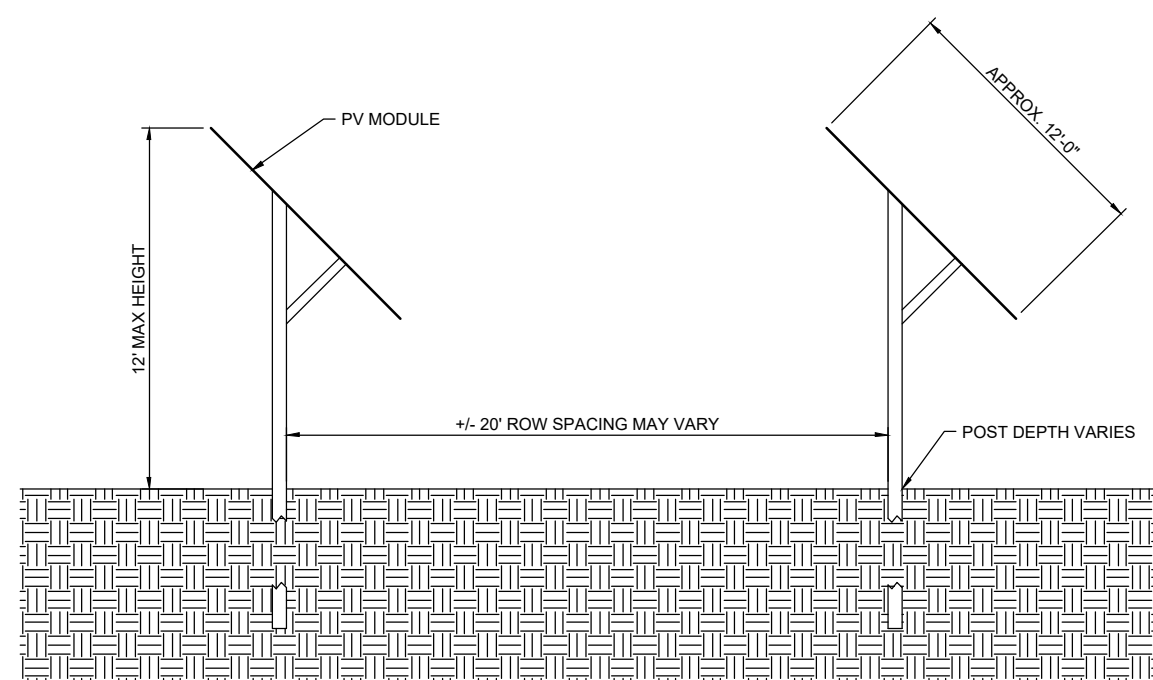
GROUND MOUNTED FIXED PANEL RACKING DETAIL

SCALE: NTS



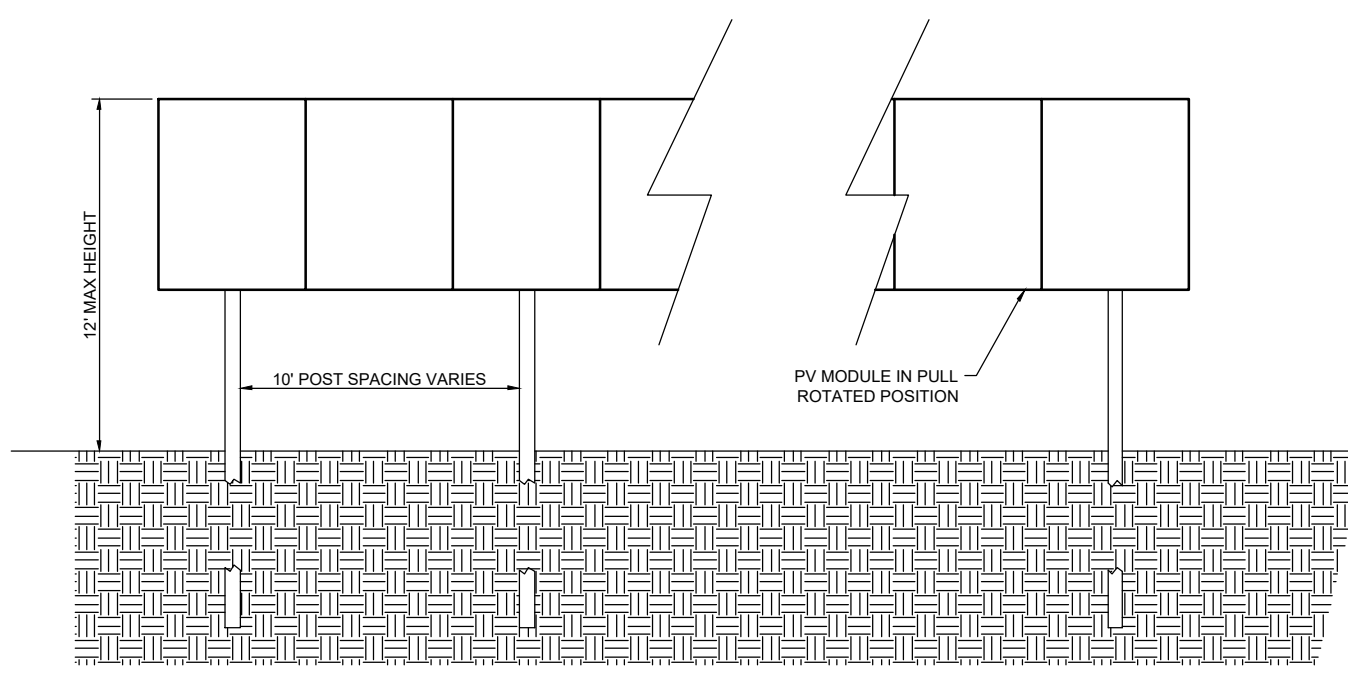
FIXED PANEL RACK ELEVATION DETAIL

SCALE: NTS



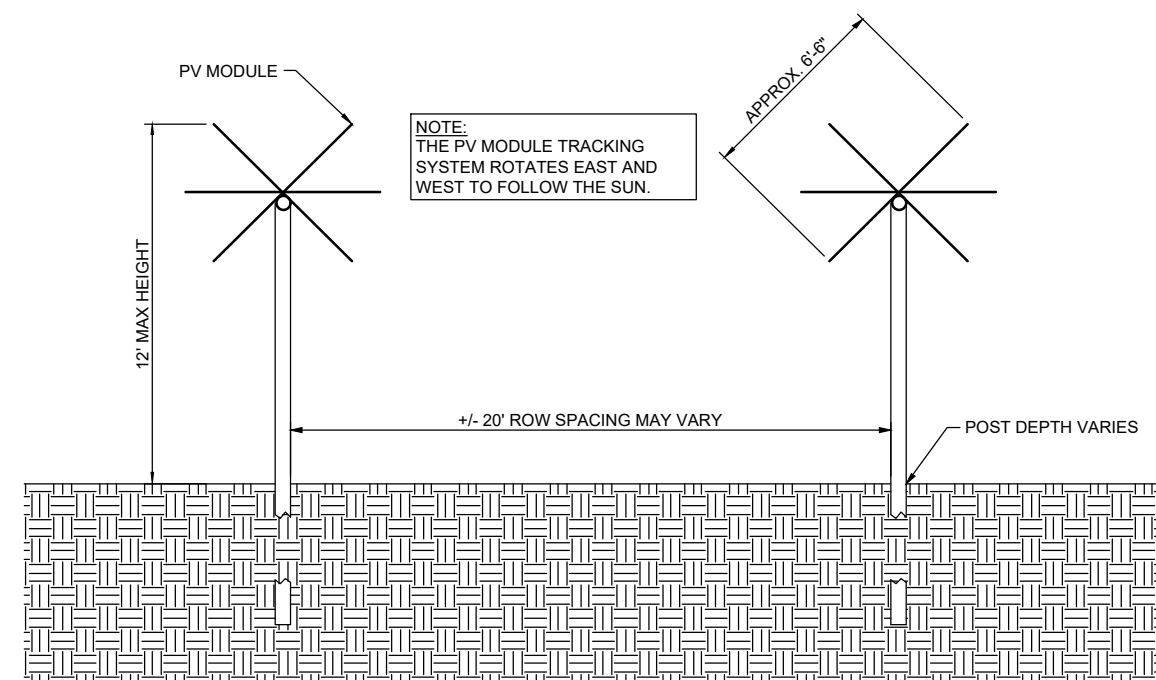
FIXED PANEL RACK SECTION DETAIL

SCALE: NTS



TRACKER RACK ELEVATION DETAIL

SCALE: NTS



TRACKER RACK SECTION DETAIL

SCALE: NTS

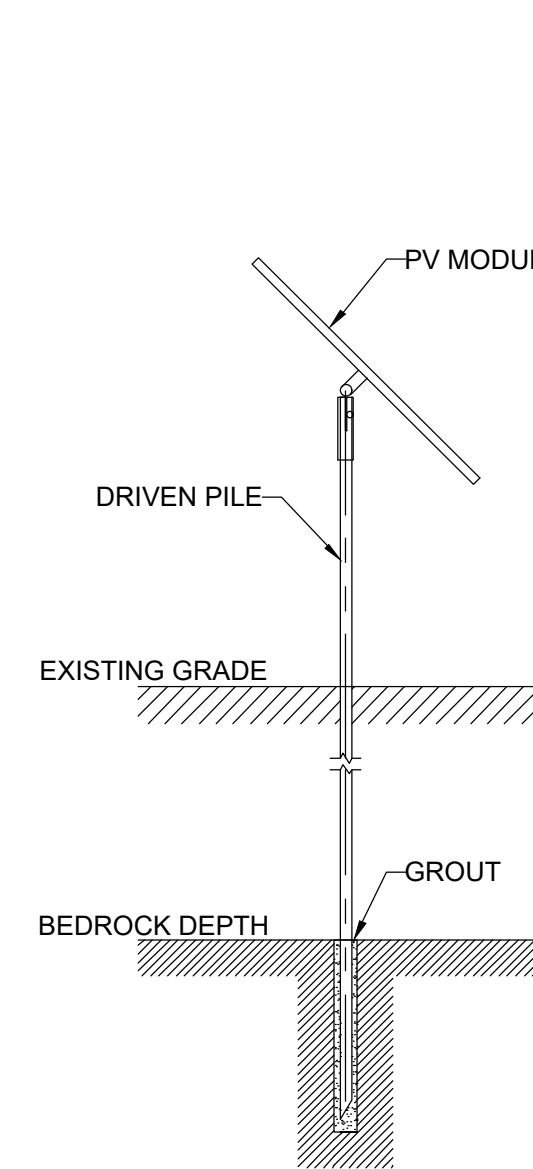
NOTE:
GROUND MOUNT AND POLE MOUNT RACKING
DETAILS PROVIDED BY NEXTERA.

PRELIMINARY
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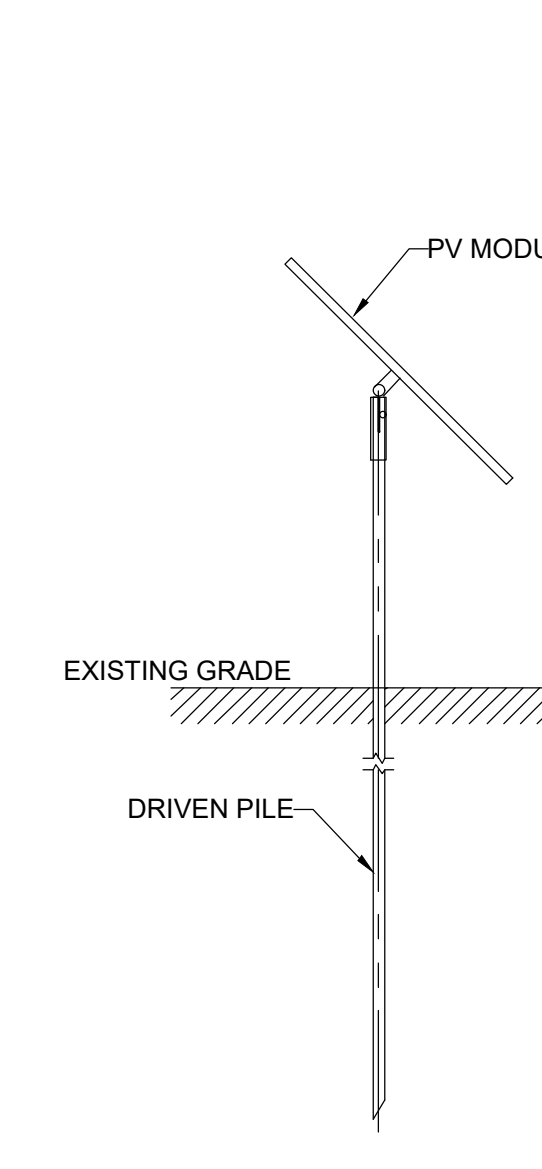


GROUND MOUNTED TRACKER PANEL RACKING DETAIL

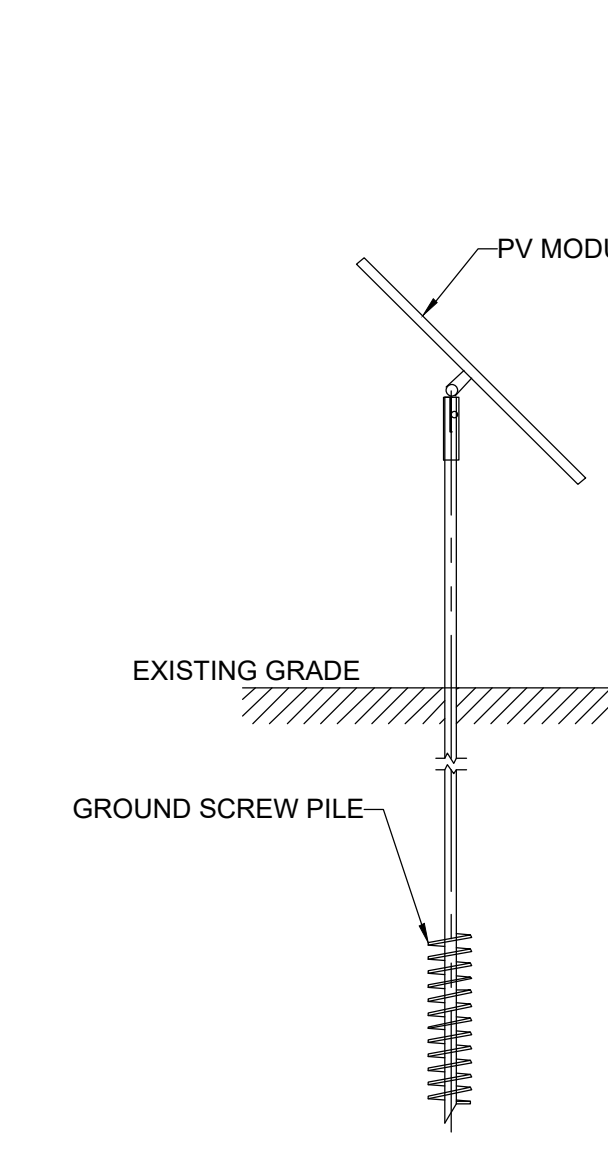
SCALE: NTS



TYPICAL GROUTED PILE
NOT TO SCALE



TYPICAL DRIVEN PILE
NOT TO SCALE



TYPICAL GROUND SCREW PILE WITH CAP DETAIL
NOT TO SCALE



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Augusta, ME 04330

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PGT
DESIGNED
ESB
DRAWN
RAY
CHECKED
PMM
APPROVED

PRELIMINARY
SOLAR RACKING DETAILS
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
MONTGOMERY CO., NY

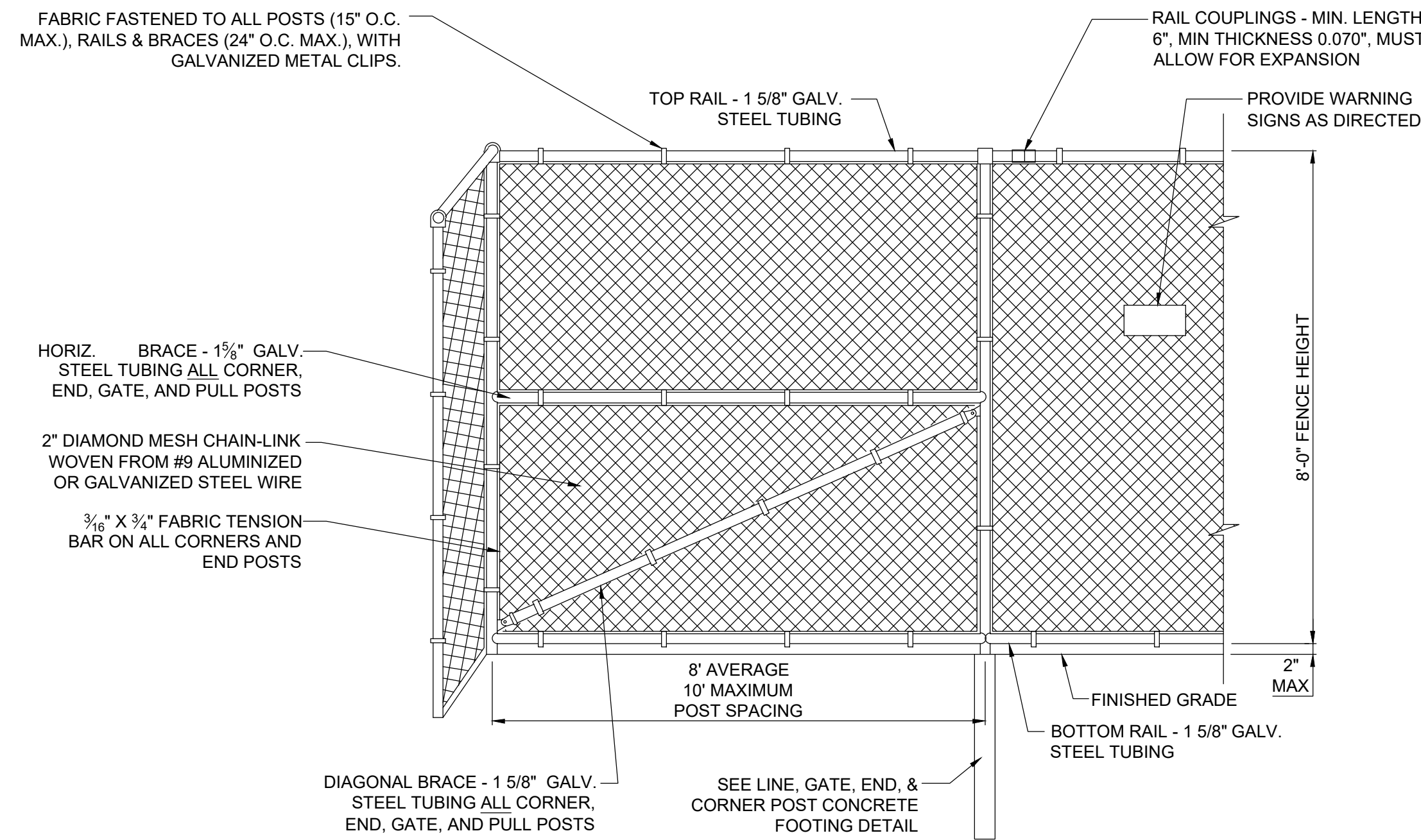
REVIEW 1
REVIEW 2

04/15
DATE
AS NOTED
SCALE

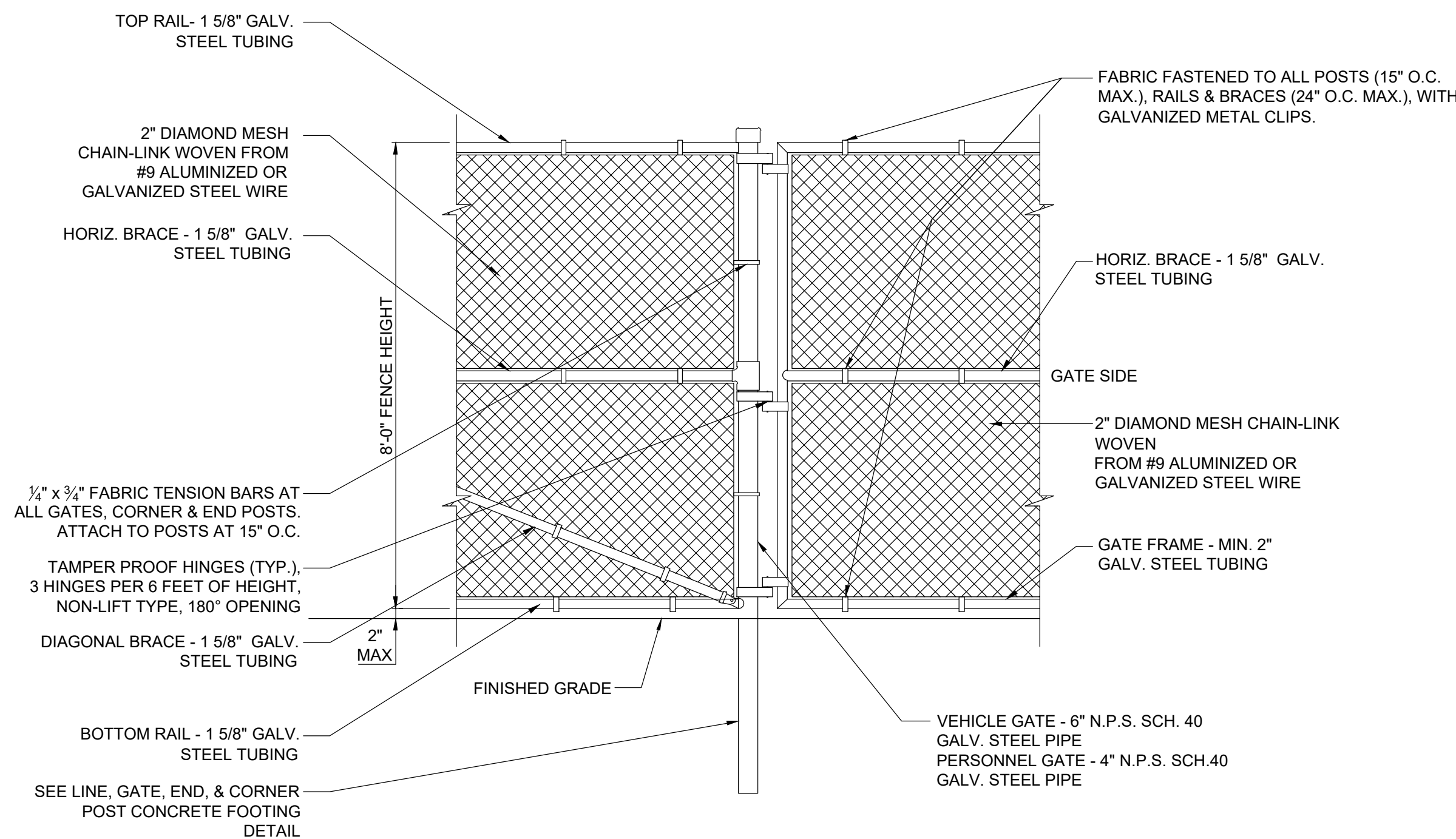


C-069

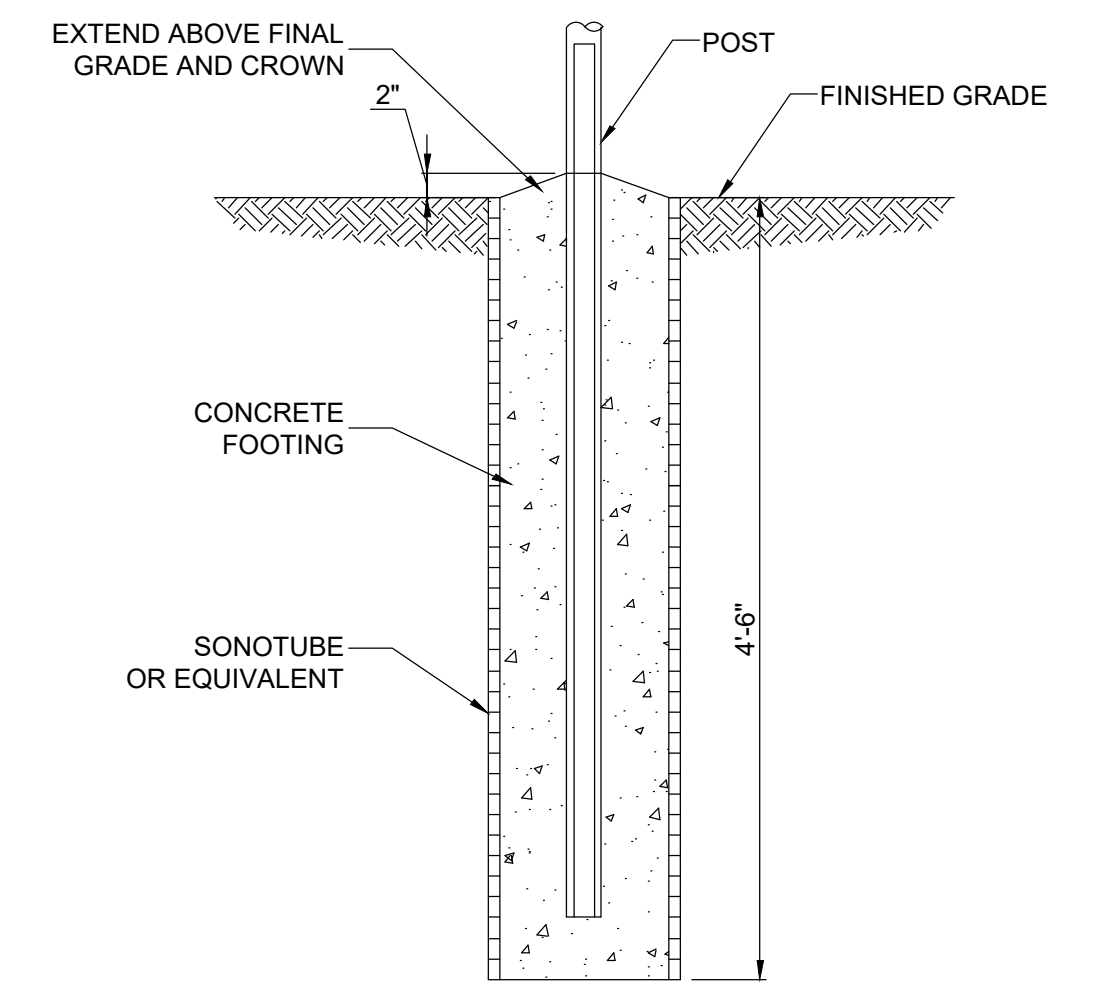
REV.
E



ARRAY FENCE DETAILS
NOT TO SCALE



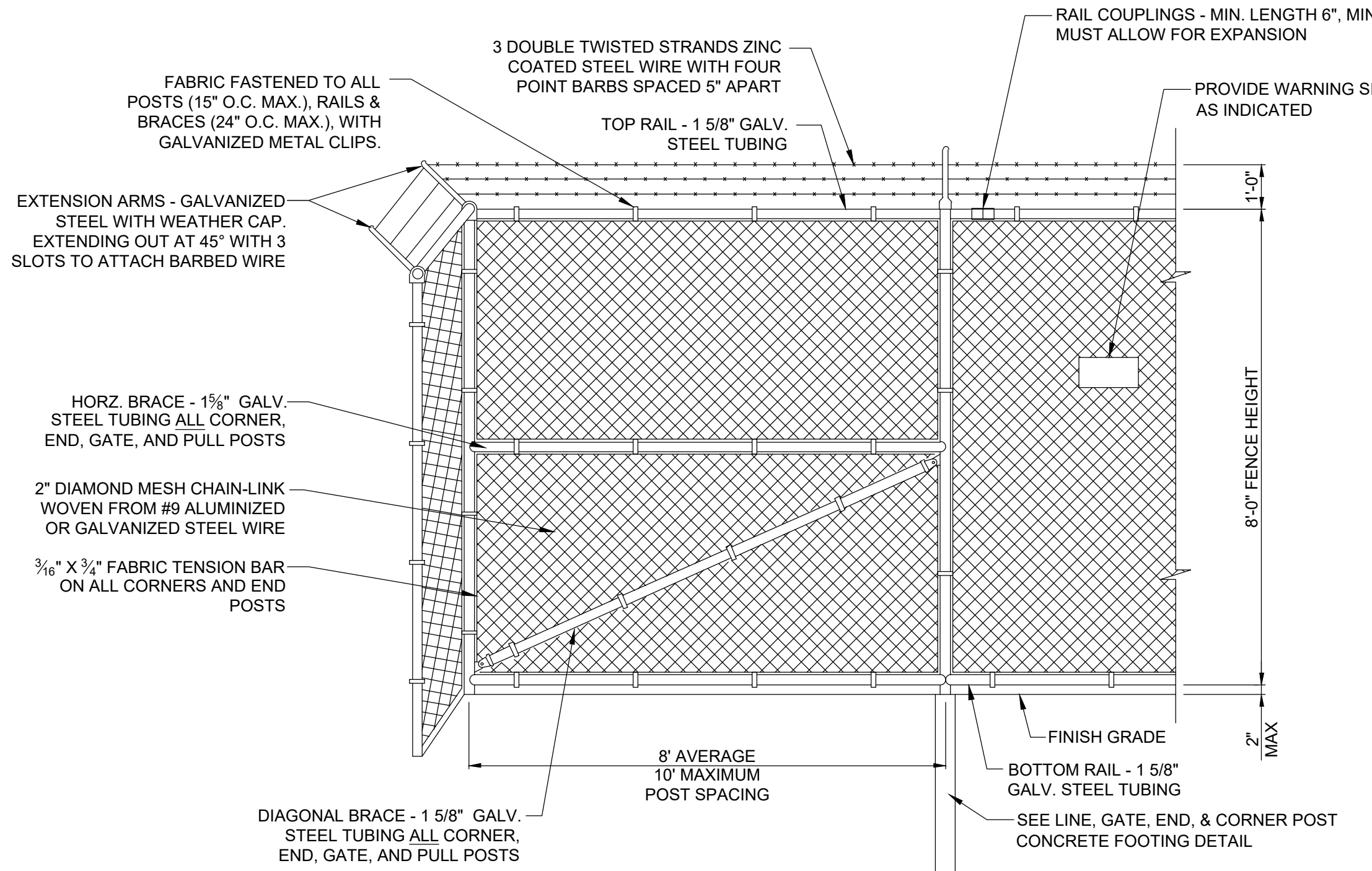
ARRAY GATE FRAME DETAIL
NOT TO SCALE



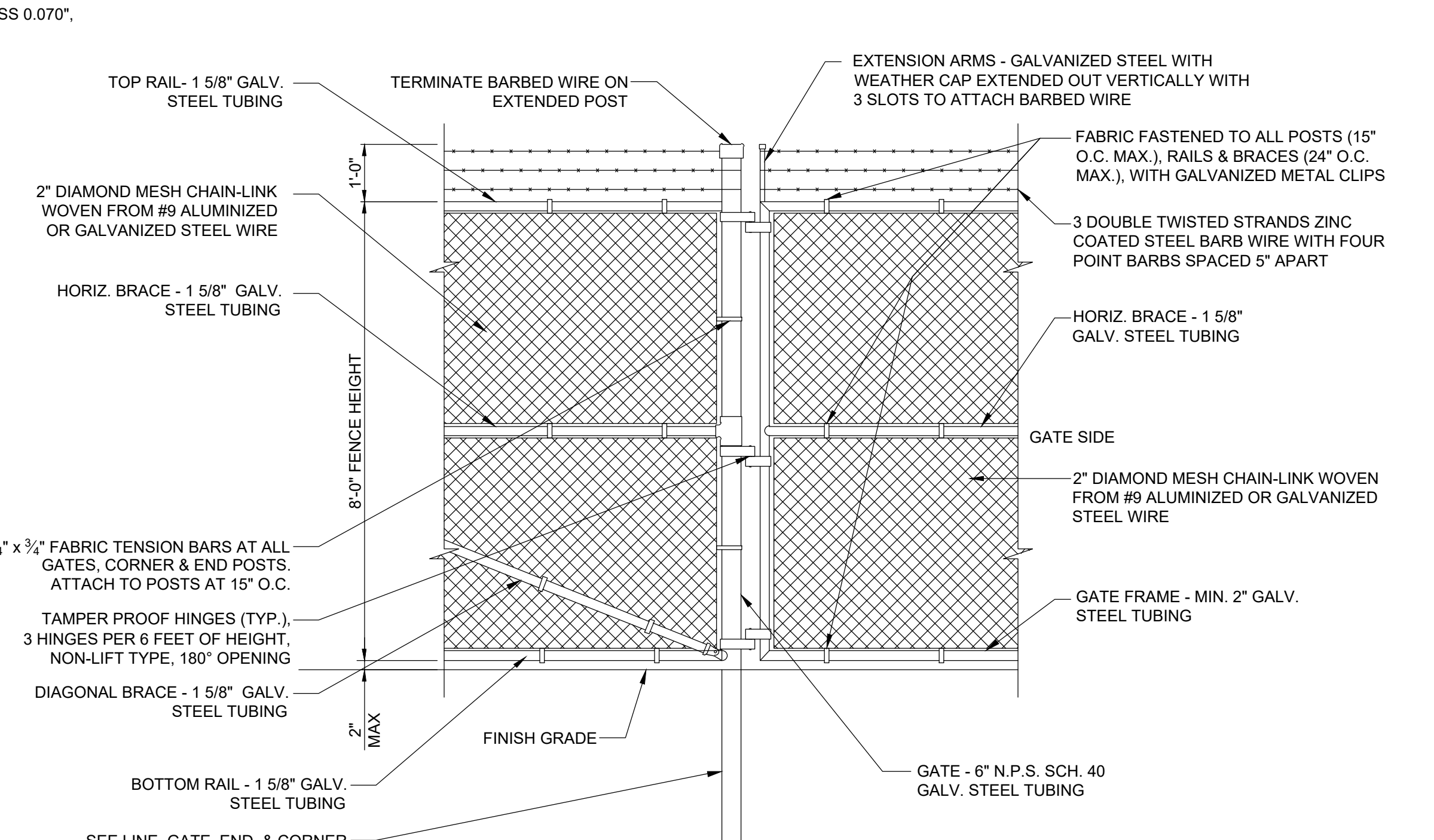
POST USE	LINE	VEHICLE GATE	PERSONNEL GATE	CORNER	END
NOMINAL PIPE SIZE (INCHES)	3	6	4	4	4
SONOTUBE SIZE (INCHES)	12	24	24	12	12

- FOOTING NOTES:
- UNLESS OTHERWISE INDICATED, FENCE POST SIZES ARE INDUSTRY STANDARD NOMINAL SIZES IN ACCORDANCE WITH ASTM F 1083, GALVANIZED STEEL PIPE.
 - BACKFILL SONOTUBE WITH MIN. 3,000 PSI CONCRETE.
 - ALL CONCRETE SHALL BE SINGLE POUR TO FINAL GRADE.
 - WHEN INSTALLING POSTS IN CLAY:
 - POST HOLE DEPTH SHALL BE INCREASED TO 6 FEET.
 - BACKFILL 4 FEET WITH CONCRETE.
 - BACKFILL FINAL 2 FEET WITH NATIVE SOIL.
 - WHEN INSTALLING POSTS IN LEDGE, CORE AND GROUT POSTS IN ACCORDANCE WITH PROJECT SPECIFICATIONS.

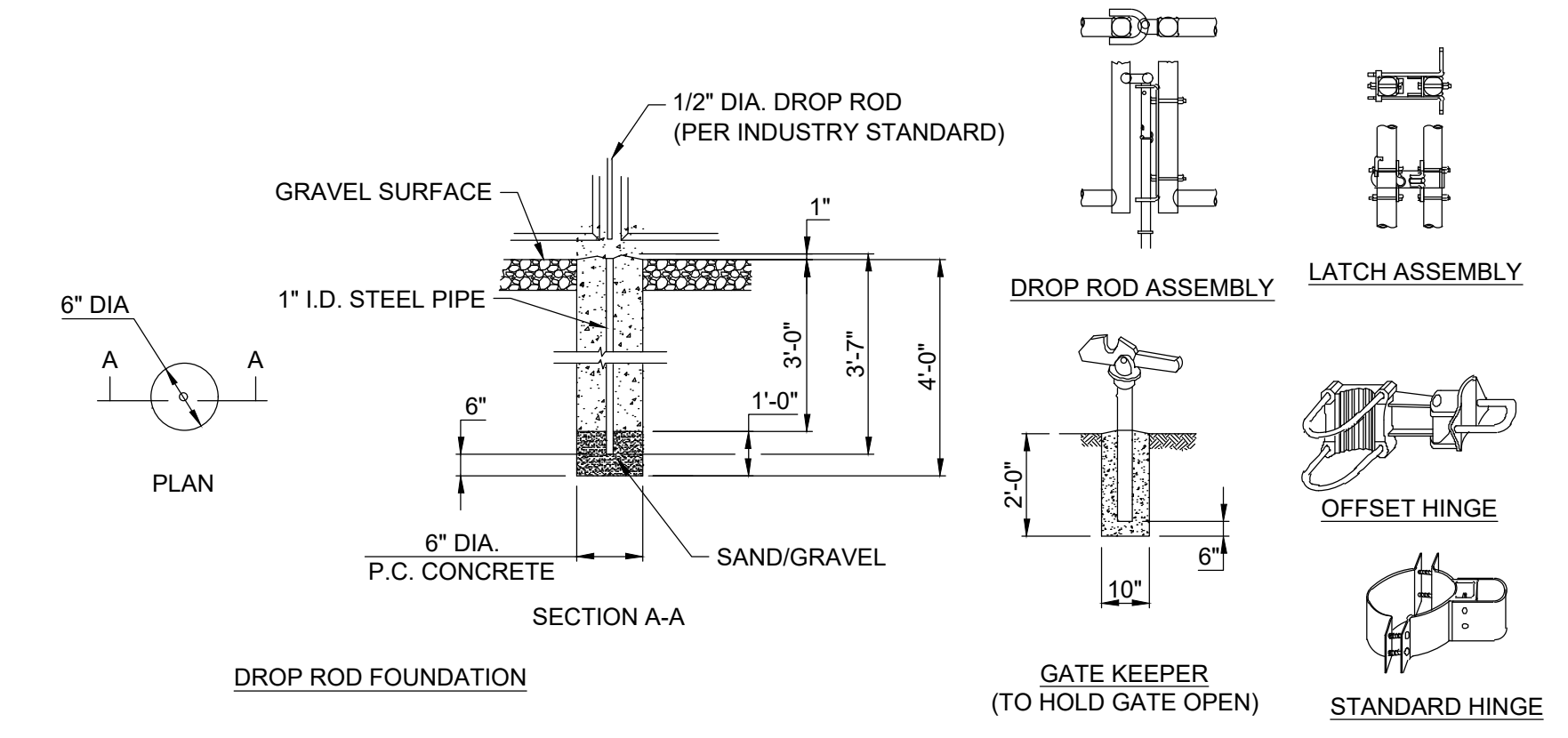
LINE, GATE, END, & CORNER POST CONCRETE FOOTING DETAIL
NOT TO SCALE



SUBSTATION FENCE DETAILS
NOT TO SCALE



SUBSTATION GATE FRAME DETAIL
NOT TO SCALE



ACCESS GATE DETAILS
NOT TO SCALE

- GENERAL FENCING NOTES:
- ALL ITEMS SHALL BE GALVANIZED AND ZINC COATED TO ASTM SPECIFICATIONS, INCLUDING ALL POSTS, RAILS, GATES, AND HARDWARE.
 - GATE FENCE FABRIC SHALL BE MOUNTED INSIDE THE FRAME.
 - ALL SWING GATE OPENINGS SHALL BE 24 FEET UNLESS OTHERWISE SPECIFIED.
 - SWING GATES SHALL BE CONSTRUCTED WITH DROP RODS, PADLOCKS, LATCH ASSEMBLY, AND GATE KEEPERS.
 - BOLTS AND HINGES SHALL BE OF A TAMPER-PROOF TYPE.
 - EXPOSED BOLTS AND NUTS SHALL BE SPOT WELDED.
 - REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL FENCE AND GATE REQUIREMENTS.

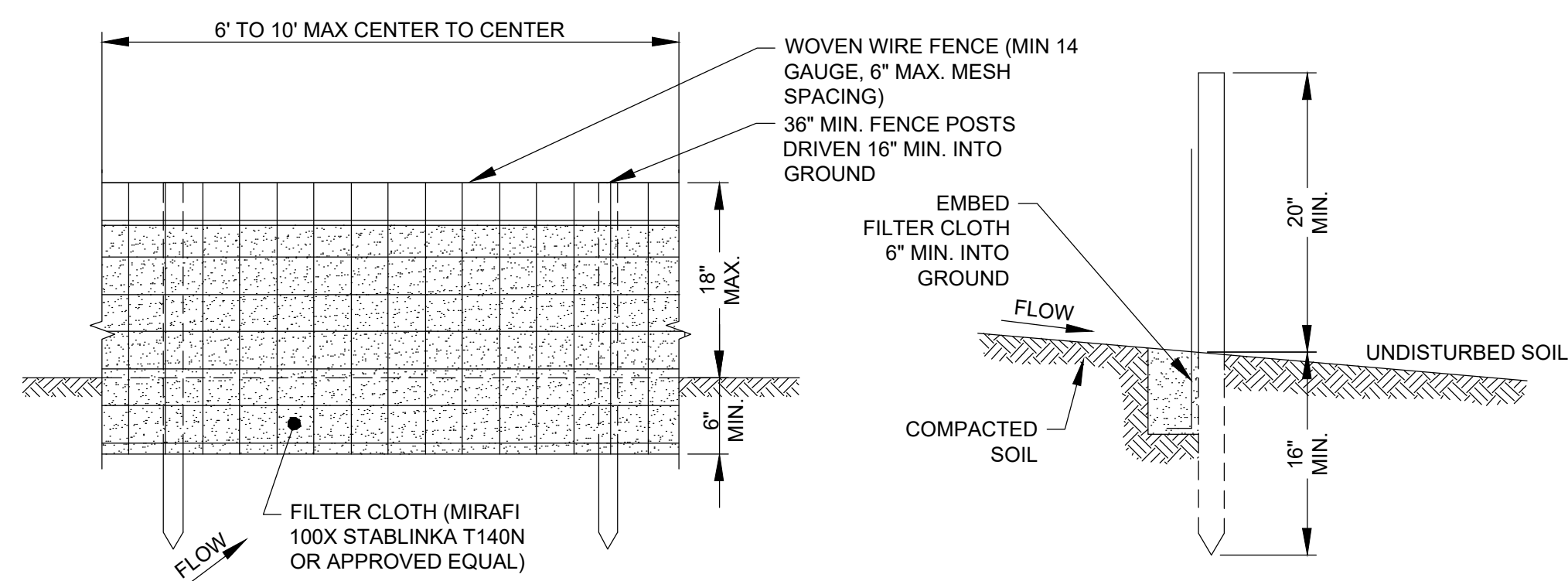
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PGT DESIGNED ESB DRAWN RAY CHECKED PMM APPROVED	PRELIMINARY FENCING DETAILS HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC MONTGOMERY CO., NY	FLORIDA	04/15 DATE AS NOTED SCALE		C-070	REV. E
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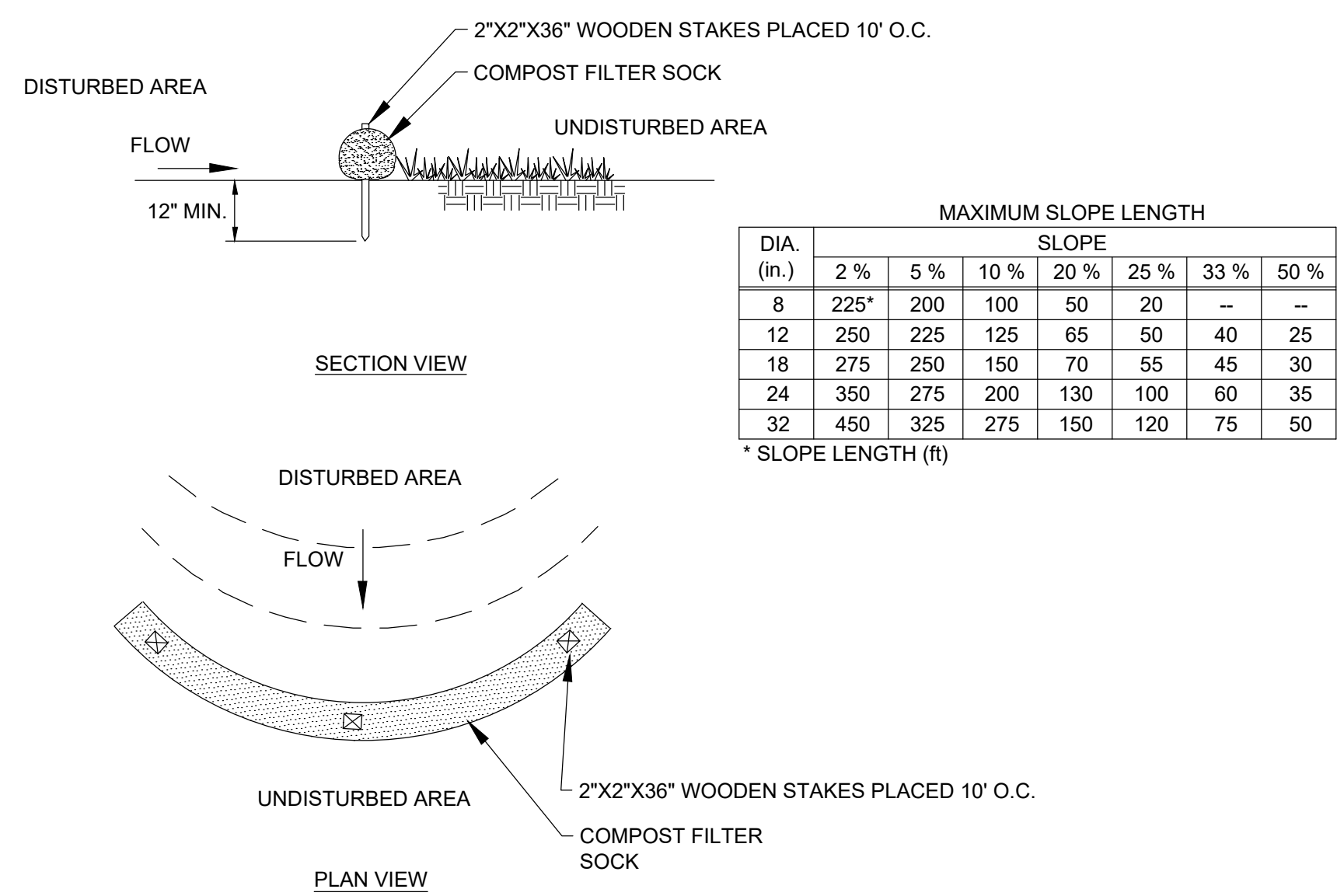
UNDER NEW YORK STATE EDUCATION LAW ARTICLE 145 (ENGINEERING), SECTION 7209 (2), IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.



- ELEVATION**
- WOVEN WIRE FENCE SHALL BE FASTENED TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH SHALL BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MIDSECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BUILD-UP REACHES 1/2 THE HEIGHT OF THE FENCE.

- SECTION**
- POSTS: STEEL "T" OR "U" TYPE OR 2" HARDWOOD.
- FENCE: WOVEN WIRE, 1 1/2 GA 6" MAX MESH OPENING.
- FILTER CLOTH: FILTER X, MIRAFI 100X, STABLINKA T140N OR APPROVED EQUAL.
- PREFABRICATED UNIT: ENVIROFENCE OR APPROVED EQUAL

SILT FENCE DETAILS
SCALE: N.T.S.

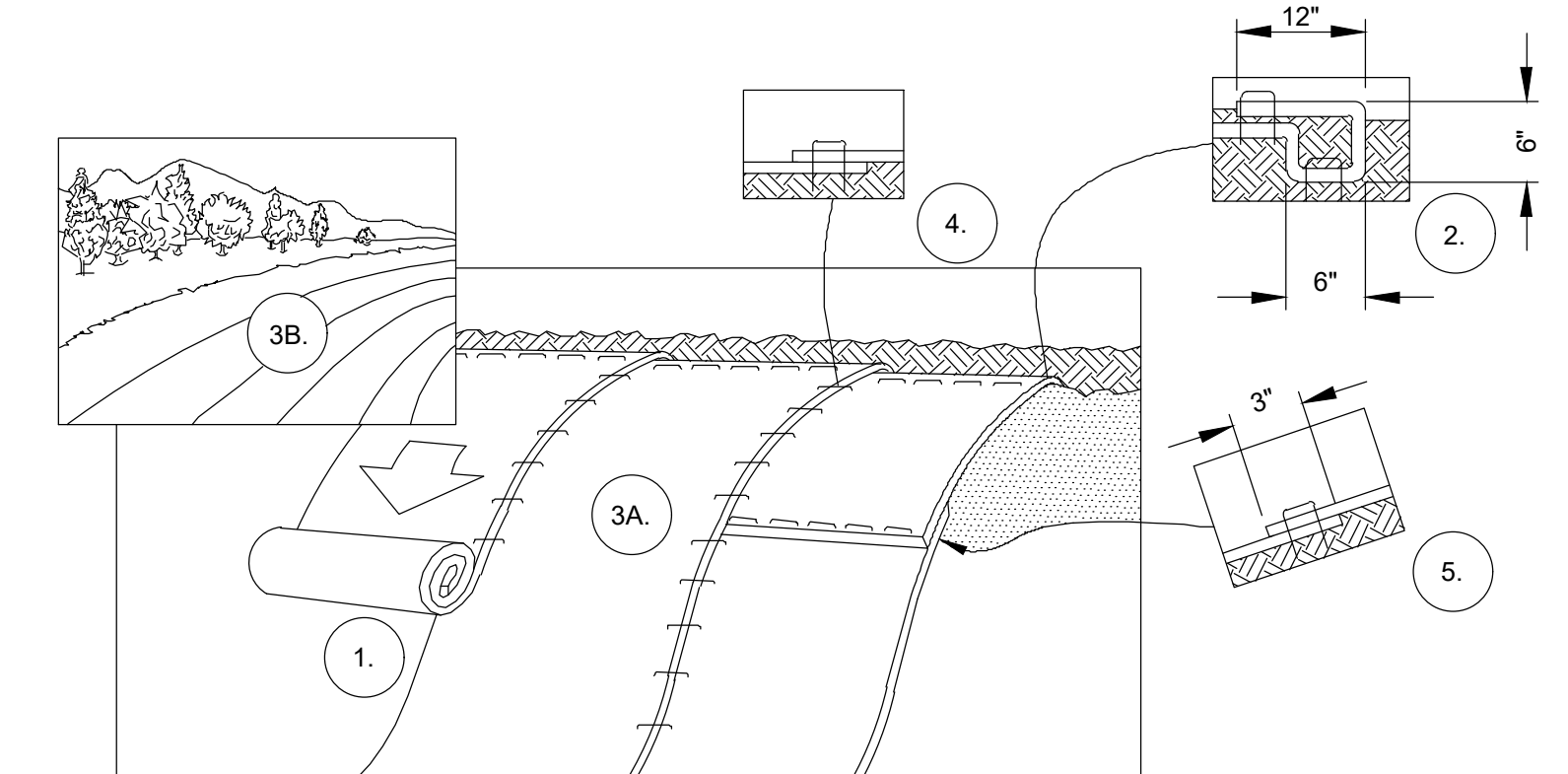


MAXIMUM SLOPE LENGTH

DIA (in.)	SLOPE					
	2%	5%	10%	20%	33%	50%
8	225	200	100	50	20	--
12	250	225	125	65	30	25
18	275	250	150	70	45	30
24	350	275	200	130	100	60
32	450	325	275	150	120	75

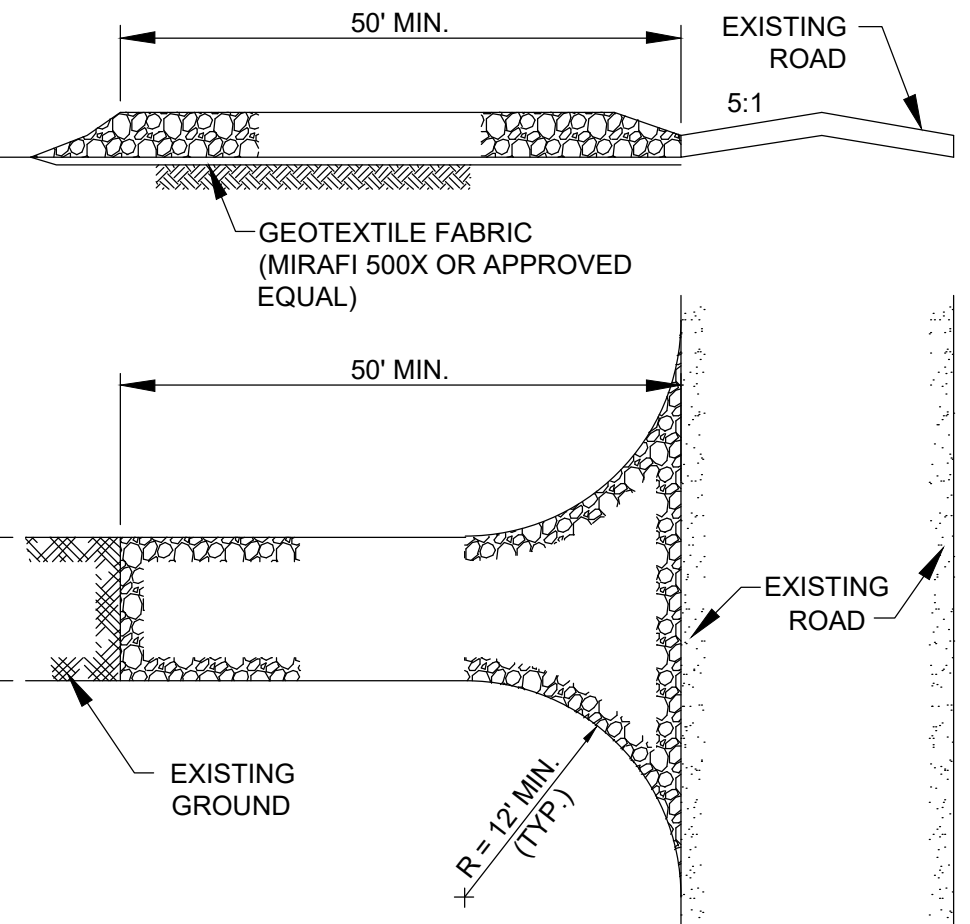
* SLOPE LENGTH (ft)

TYPICAL COMPOST FILTER SOCK
SCALE: N.T.S.



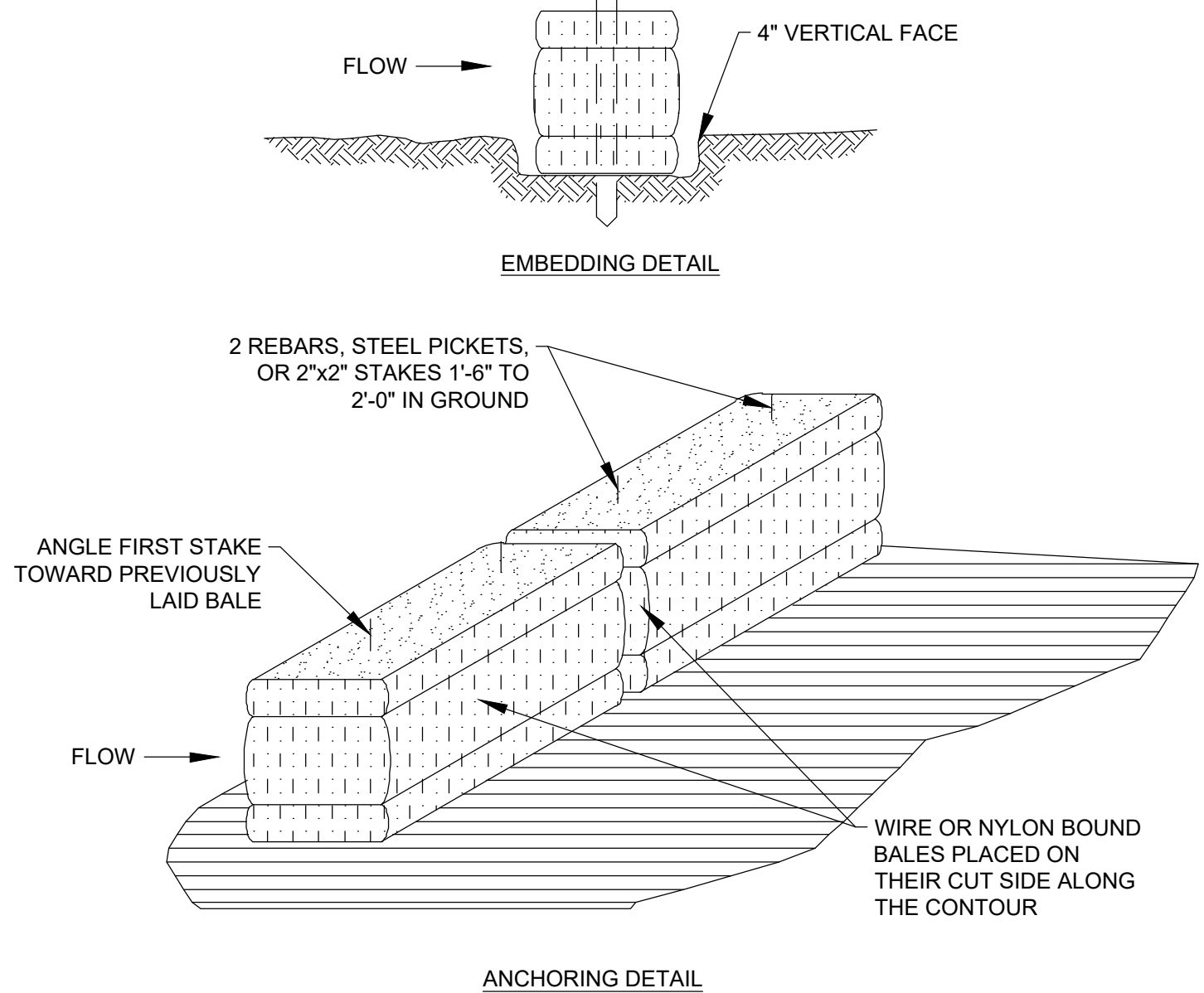
- EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN S150 OR APPROVED EQUAL.
- PREPARE SOIL BEFORE INSTALLING BLANKETS BY SMOOTHING THE SURFACE, REMOVING DEBRIS AND LARGE STONES, AND APPLICATION OF ANY NECESSARY LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 - BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
 - ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING OPTIONAL DOT SYSTEM, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2'-5" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE COLORED SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
 - CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
- NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

EROSION CONTROL BLANKET INSTALLATION
SCALE: N.T.S.



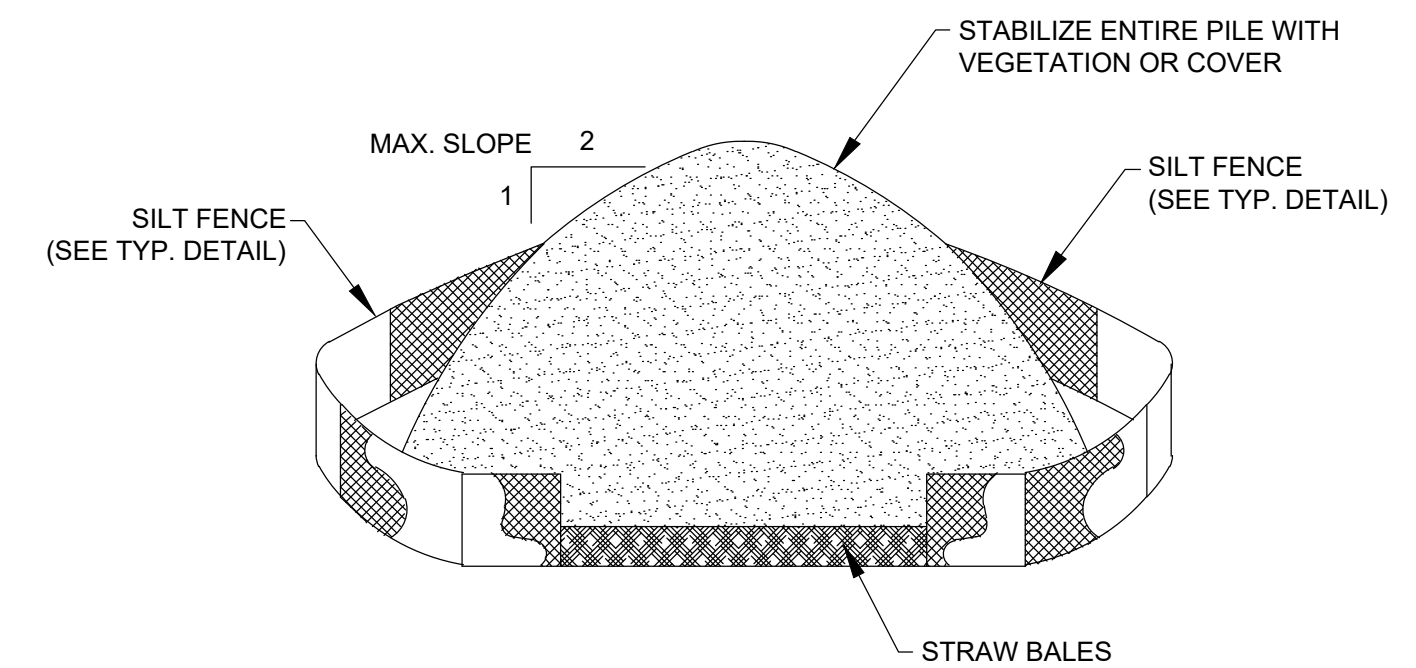
- STONE SIZE - USE 1" - 4" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET.
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MIN. BUT NOT LESS THAN THE FULL ROAD WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. PROVIDE TWENTY-FOUR (24) FOOT WIDTH IF THERE IS ONLY A SINGLE ENTRANCE TO SITE.
- GEOTEXTILE - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

STABILIZED CONSTRUCTION ENTRANCE
SCALE: N.T.S.



- NOTES:**
- BALES SHALL BE PLACED IN A ROW AT THE TOE OF A SLOPE OR ON THE CONTOUR, WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
 - EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
 - BALES SHALL BE SECURELY ANCHORED IN PLACE BY DRIVING EITHER TWO STAKES OR RE-BARS THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE TOP OF BALE.
 - INSPECTIONS SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
 - BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

STRAW BALE BARRIER
SCALE: N.T.S.



- INSTALLATION NOTES:**
- AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
 - MAXIMUM SLOPE OF STOCKPILE SHALL BE 2H:1V.
 - UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAW BALES, THEN STABILIZED WITH VEGETATION OR COVERED.

TYPICAL TOPSOIL STOCKPILE
SCALE: N.T.S.



- NOTES:**
- SUMP(S) SHALL BE LOCATED NEAR WORK SITES BUT SHALL BE PLACED AS FAR AWAY FROM WETLANDS, BUFFERS AND DRAINAGE SWALES AS PRACTICAL.
 - SUMP(S) SHALL BE CLEANED AND WASTE CONCRETE REMOVED AND PROPERLY DISPOSED OF PERIODICALLY AND UPON COMPLETION OF WORK.

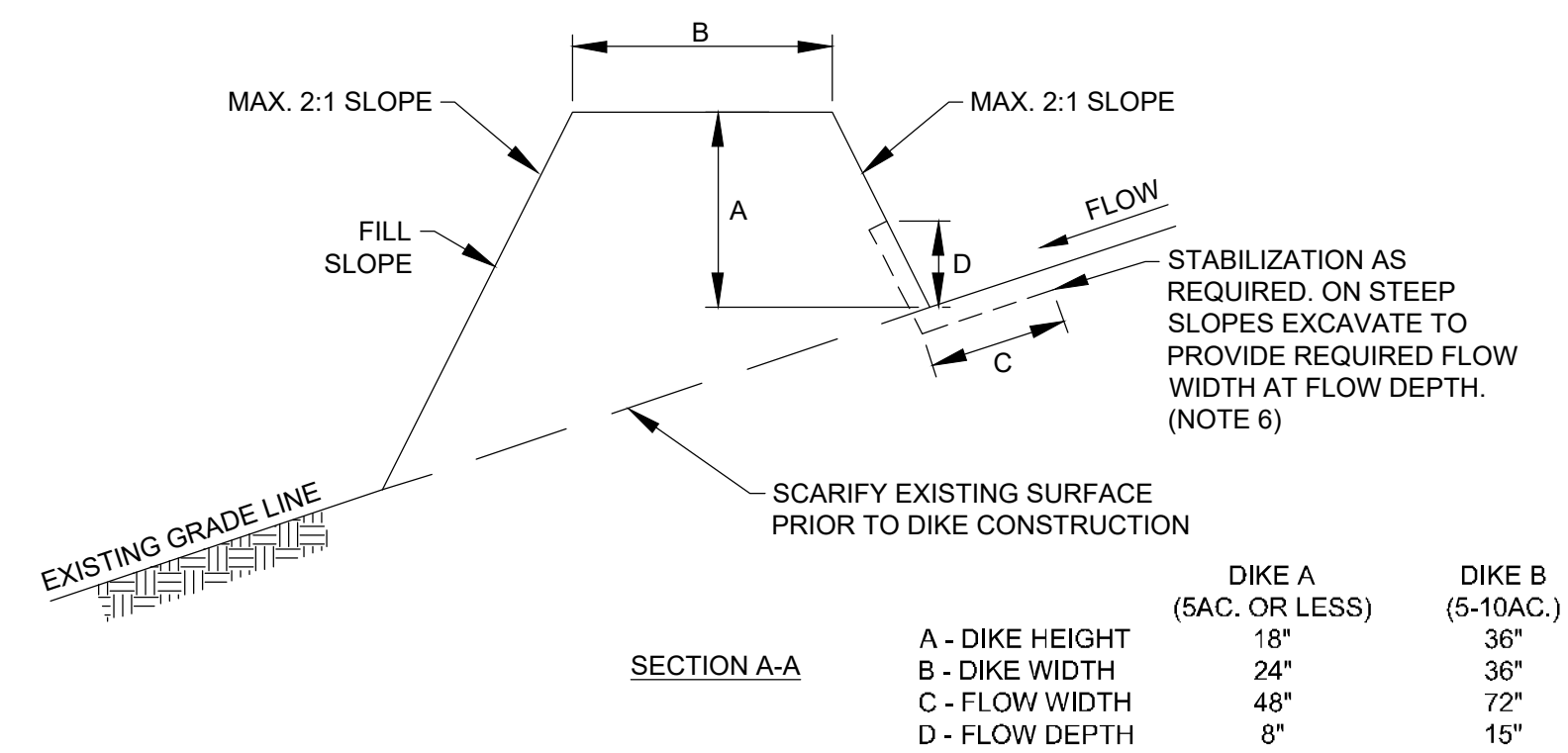
TYPICAL CONCRETE WASHOUT
SCALE: N.T.S.

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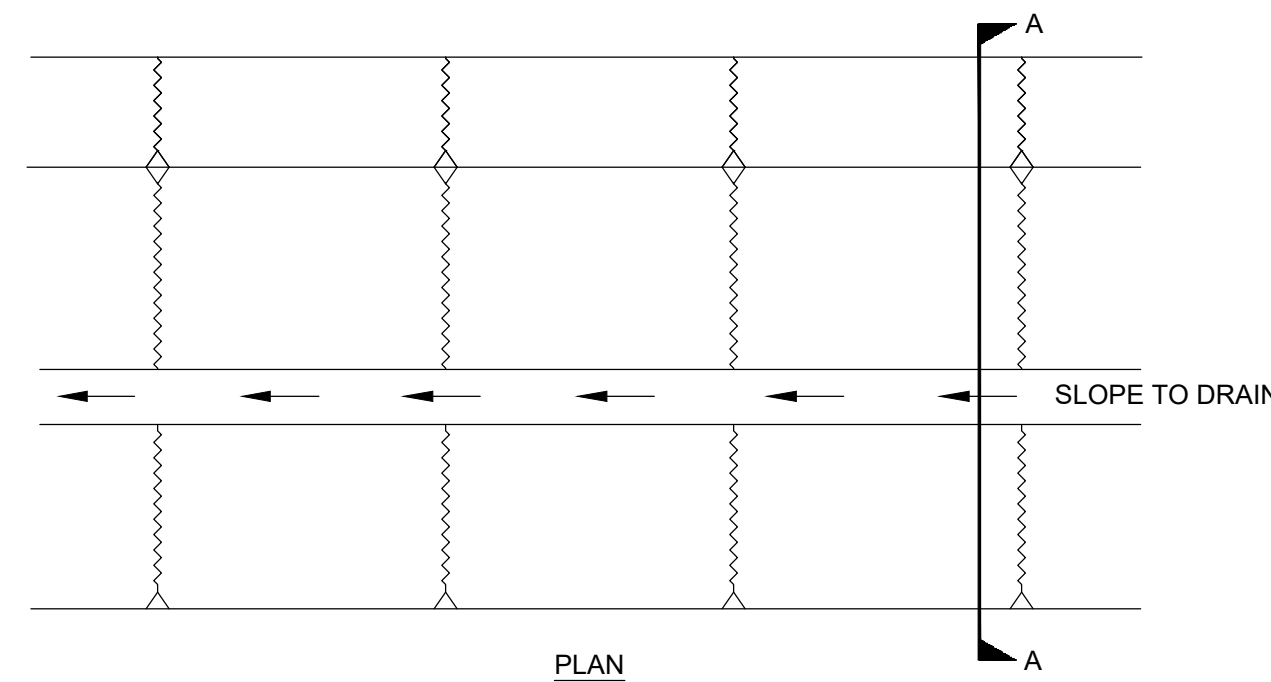
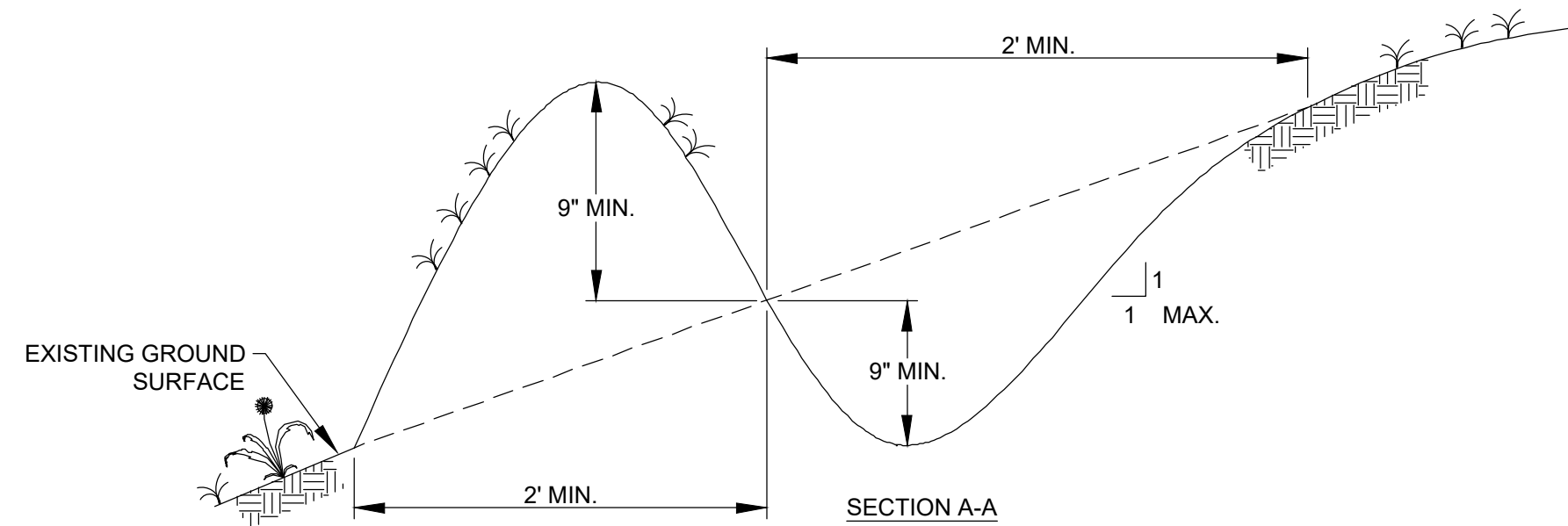
249 Western Avenue Augusta, ME 04330		PROJECT NO: 327851			PGT DESIGNED	PRELIMINARY EROSION & SEDIMENTATION CONTROL DETAILS 1 HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC FLORIDA MONTGOMERY CO., NY	
REV	DESCRIPTION	DATE	DES	CHK	APP		RAY DRAWN
F	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT			RAY CHECKED
E	ISSUED FOR CLIENT REVIEW	08-21-19	SEK	PGT			PMM APPROVED
D	ISSUED FOR CLIENT REVIEW	08-09-19	CMW	PGT		REVIEW 1	
C	ISSUED FOR CLIENT REVIEW	07-19-19	PGT	RAY		REVIEW 2	

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- NOTES:
- DIKES SHALL BE COMPACTED TO NOT LESS THAN THE IN-SITU SOIL DENSITY.
 - PROVIDE POSITIVE DRAINAGE TO AN APPROVED, STABILIZED OUTLET.
 - TOP WIDTH MAY BE WIDER AND SIDE SLOPES FLATTER AS REQUIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
 - FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED OUTLET.
 - EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN.
 - PROVIDE FLOW CHANNEL STABILIZATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (2016)".

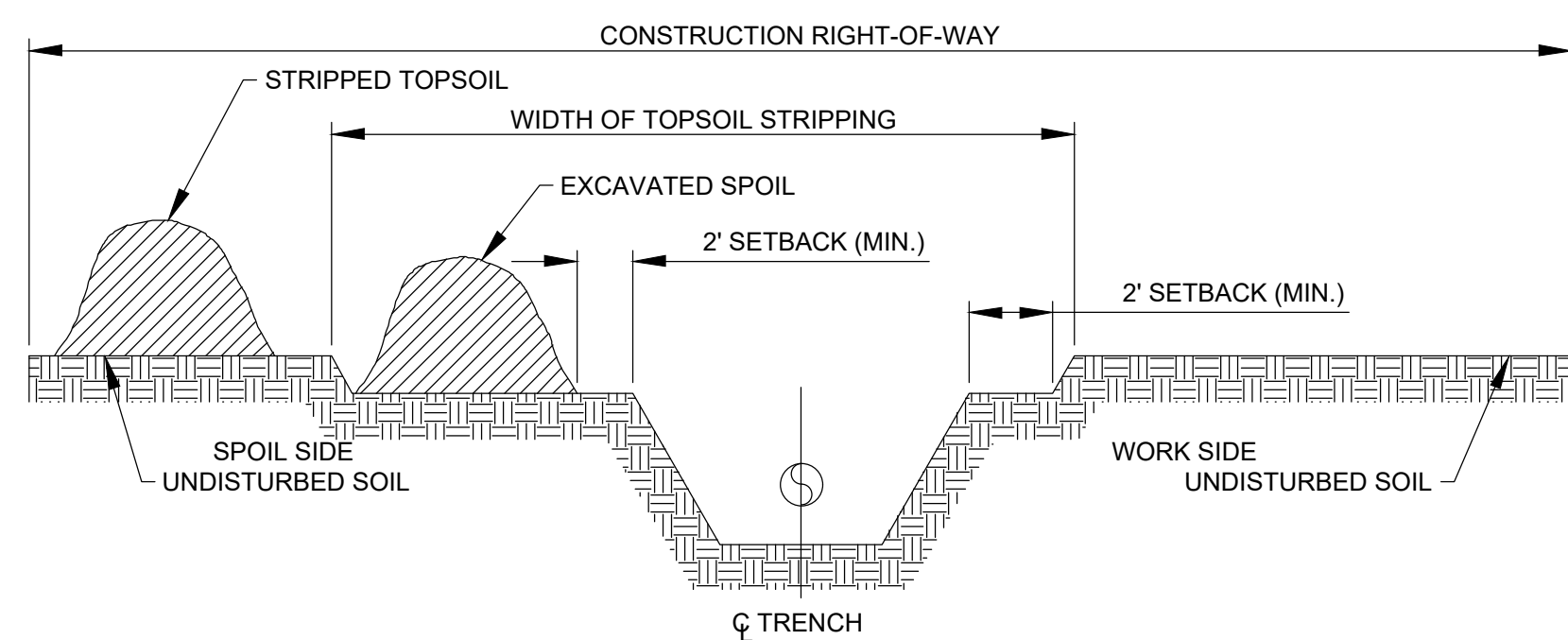
TYPICAL EARTH DIKE DETAIL
SCALE: N.T.S.



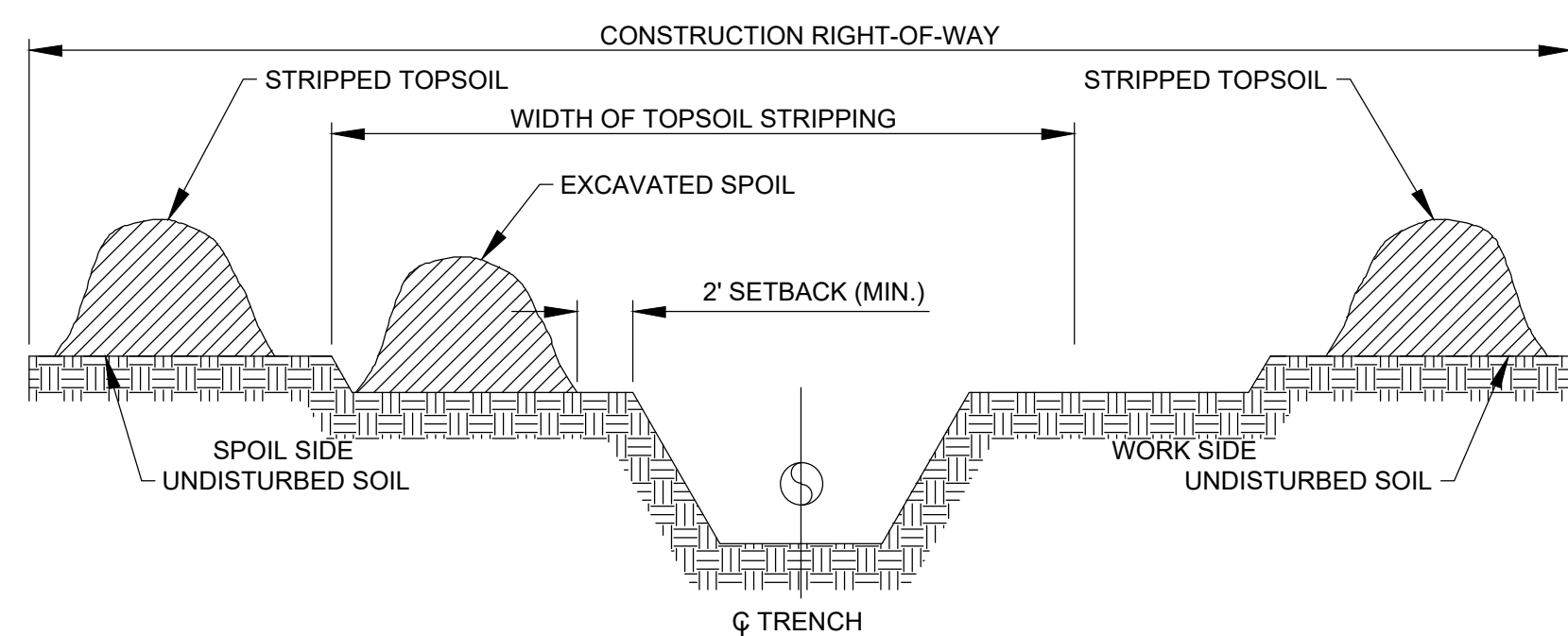
- NOTES:
- ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
 - DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
 - DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSION VELOCITY.
 - THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL - 2016".
 - STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATIONS FOR THE TEMPORARY SEEDING AND MULCHING, AND SHALL BE DONE WITHIN 2 DAYS.
 - PROVIDE PERIODIC INSPECTION AND REQUIRED MAINTENANCE AFTER EACH RAIN EVENT.

MAX. DRAINAGE AREA LIMIT= 2 ACRES

TYPICAL PERIMETER DIKE/SWALE
SCALE: N.T.S.



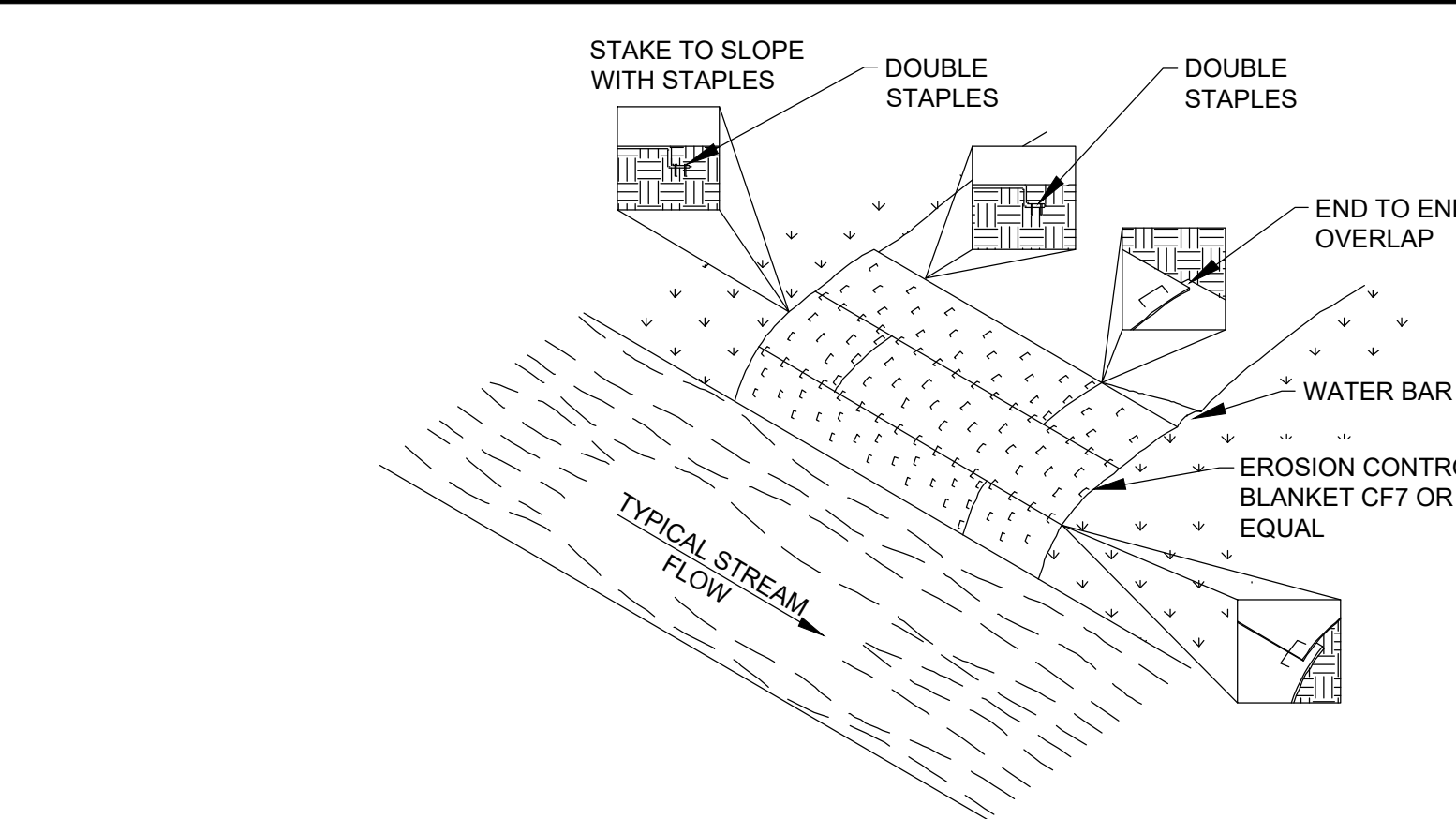
DITCH PLUS SPOILSIDE TOPSOIL SEGREGATION



FULL RIGHT-OF-WAY TOPSOIL STRIPPING

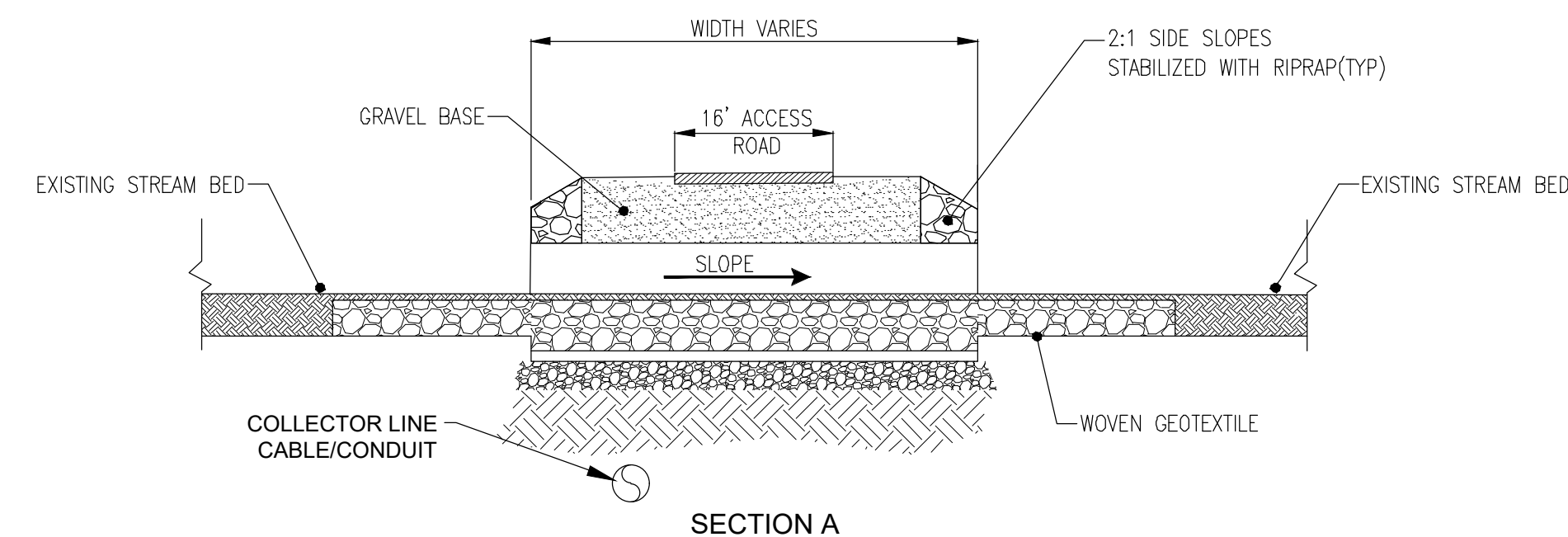
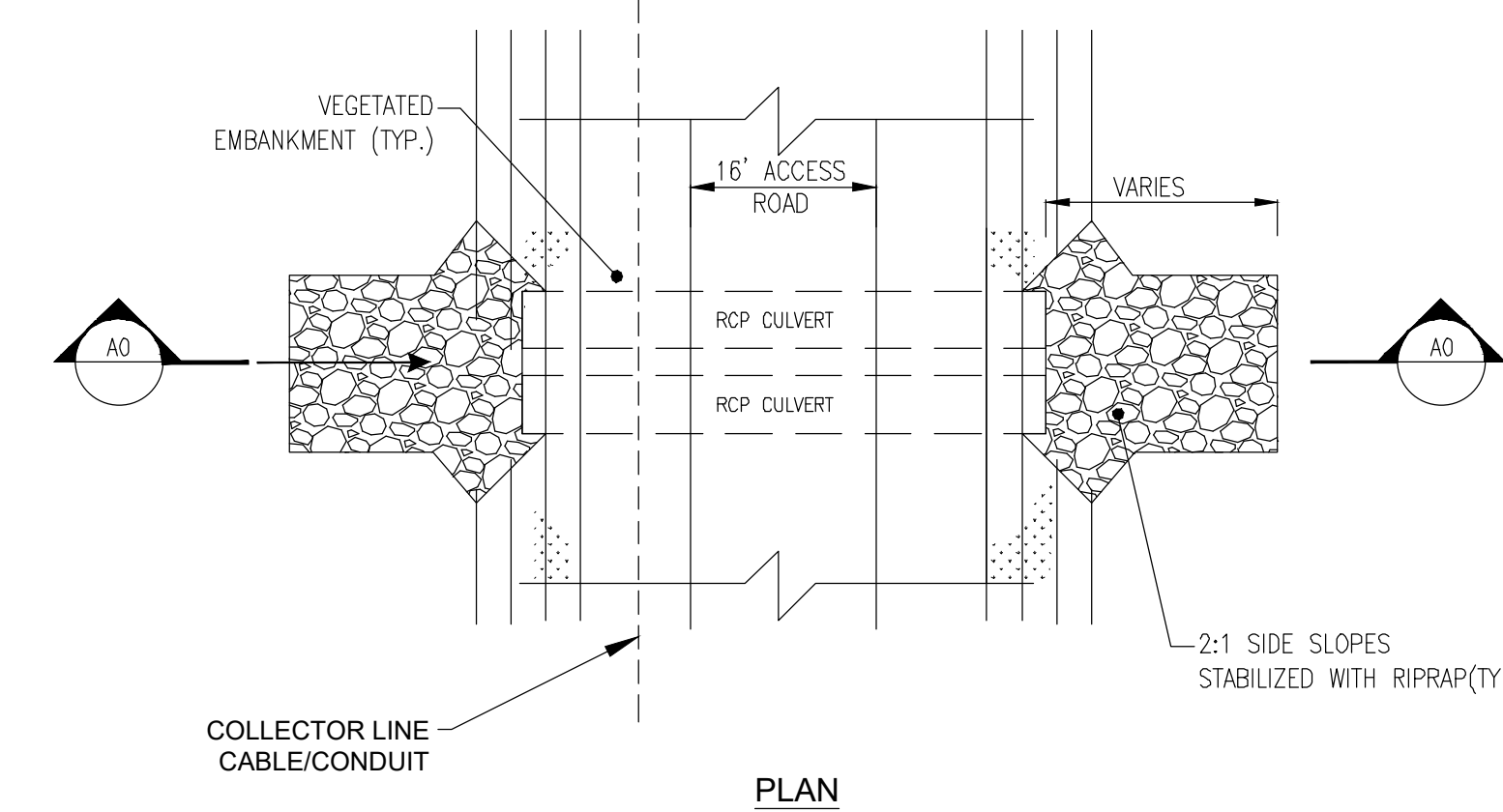
- NOTES:
- TOPSOIL MAY BE STORED IN LOCATIONS AS SHOWN ABOVE, OR AT OTHER COMPANY APPROVED LOCATIONS WITHIN THE CONSTRUCTION R.O.W.
 - LEAVE GAPS IN SPOIL PILES FOR WATER RUN-OFF.
 - CONSTRUCTION R.O.W. MAY BE EXPANDED UP TO FULL R.O.W. WIDTH IN NON-WETLAND AREAS, FOR TOPSOIL SALVAGE.

TOPSOIL SEGREGATION METHODS - COLLECTOR
SCALE: N.T.S.



- NOTES:
- EROSION CONTROL MATTING SHALL BE PLACED ON THE BANKS OF FLOWING STREAMS WHERE VEGETATION HAS BEEN REMOVED OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
 - THE EROSION CONTROL MATTING SHALL MEET THE REQUIREMENTS SPECIFIED IN THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" - 2016 AND/OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
 - STAPLES SHALL BE MADE OF 11 GAUGE WIRE, U-SHAPED WITH 6" LEGS AND A 1" CROWN. STAPLES SHALL BE DRIVEN INTO THE GROUND FOR THE FULL LENGTH OF THE STAPLE LEGS. ALTERNATELY 1" WOODEN PEGS 6" LONG AND BEVELED TO SECURE MATTING.
 - MATting SHALL BE INSTALLED ACCORDING TO MANUFACTURER SPECIFICATIONS OR AS FOLLOWS:
 - THE TOP OF THE BLANKET SHALL EXTEND 2' PAST THE UPPER EDGE OF THE HIGH WATER MARK. IF A WATERBED IS PRESENT ON THE APPROACH SLOPE, THE BLANKET SHALL BEGIN ON THE UPHILL SIDE OF THE WATERBED.
 - INSTALL BLANKET(S) ACROSS THE SLOPE IN THE DIRECTION OF WATER FLOW.
 - ANCHOR ("KEY") THE UPSTREAM EDGE OF THE BLANKET(S) INTO THE SLOPE USING A 6" WIDE BY 6" DEEP TRENCH. DOUBLE STAPLE EVERY 12" BEFORE BACK FILLING AND COMPACTING TRENCH.
 - ANCHOR ("KEY") THE UPPER EDGE OF THE BLANKET INTO THE SLOPE USING A 6" WIDE BY 6" DEEP TRENCH. DOUBLE STAPLE EVERY 12" BEFORE BACK FILLING AND COMPACTING TRENCH.
 - THE EDGES OF PARALLEL BLANKETS SHALL BE OVERLAPPED A MINIMUM OF 6". THE UPPER BLANKET SHALL BE PLACED OVER THE LOWER BLANKET (SHINGLE STYLE) AND STAPLED EVERY 12" ALONG THE LENGTH OF THE EDGE.
 - WHEN BLANKET ENDS ARE TO ADJOINING BLANKETS, THE UPSTREAM BLANKET SHALL BE PLACED OVER THE DOWNSTREAM BLANKET (SHINGLE STYLE) WITH APPROXIMATELY 6" OF OVERLAP, STAPLE THROUGH THE OVERLAP AREA EVERY 12".
 - STAPLE DOWN THE CENTER OF THE BLANKET(S), THREE STAPLES IN EVERY SQUARE YARD.
 - IN LIVESTOCK AREAS WHERE EROSION CONTROL MATTING IS APPLIED TO STREAM BANKS, FENCING SHALL BE USED IF NECESSARY TO EXCLUDE LIVESTOCK, WITH PERMISSION OF THE LANDOWNER.
 - MONITOR FOR WASHOUTS, STAPLE INTEGRITY OR MAT MOVEMENT. REPLACE OR REPAIR AS NECESSARY.

TYPICAL STREAM BANK MATTING
SCALE: N.T.S.



TYPICAL PERMANENT STREAM CROSSING
SCALE: N.T.S.

- NOTES:
- AFTER TRENCH EXCAVATION TO EDGE OF STREAM, HAND DRESS BOTTOM OF TRENCH IN VICINITY OF PLANNED PLUG CONSTRUCTION.
 - EXCAVATE KEY INTO TRENCH SIDE WALL. EXCAVATE TO PROVIDE VERTICAL SURFACE NOT LESS THAN 6" INTO BANK.
 - CONSTRUCT SANDBAG TRENCH PLUG USING SANDBAGS FILLED WITH CLEAN, FINE SAND.
 - BACK FILL KEY WAY TO PROVIDE COMPACTED NATIVE SOIL AGAINST SANDBAGS.
 - BACK FILL TRENCH CONCURRENT WITH CABLE PLACEMENT. REMOVE SANDBAG TRENCH PLUG AS CABLE IS PLACED.
 - PROVIDE STREAM BED AND EMBANKMENT PROTECTION PER "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" - 2016.

TYPICAL TRENCH PLUG
SCALE: N.T.S.

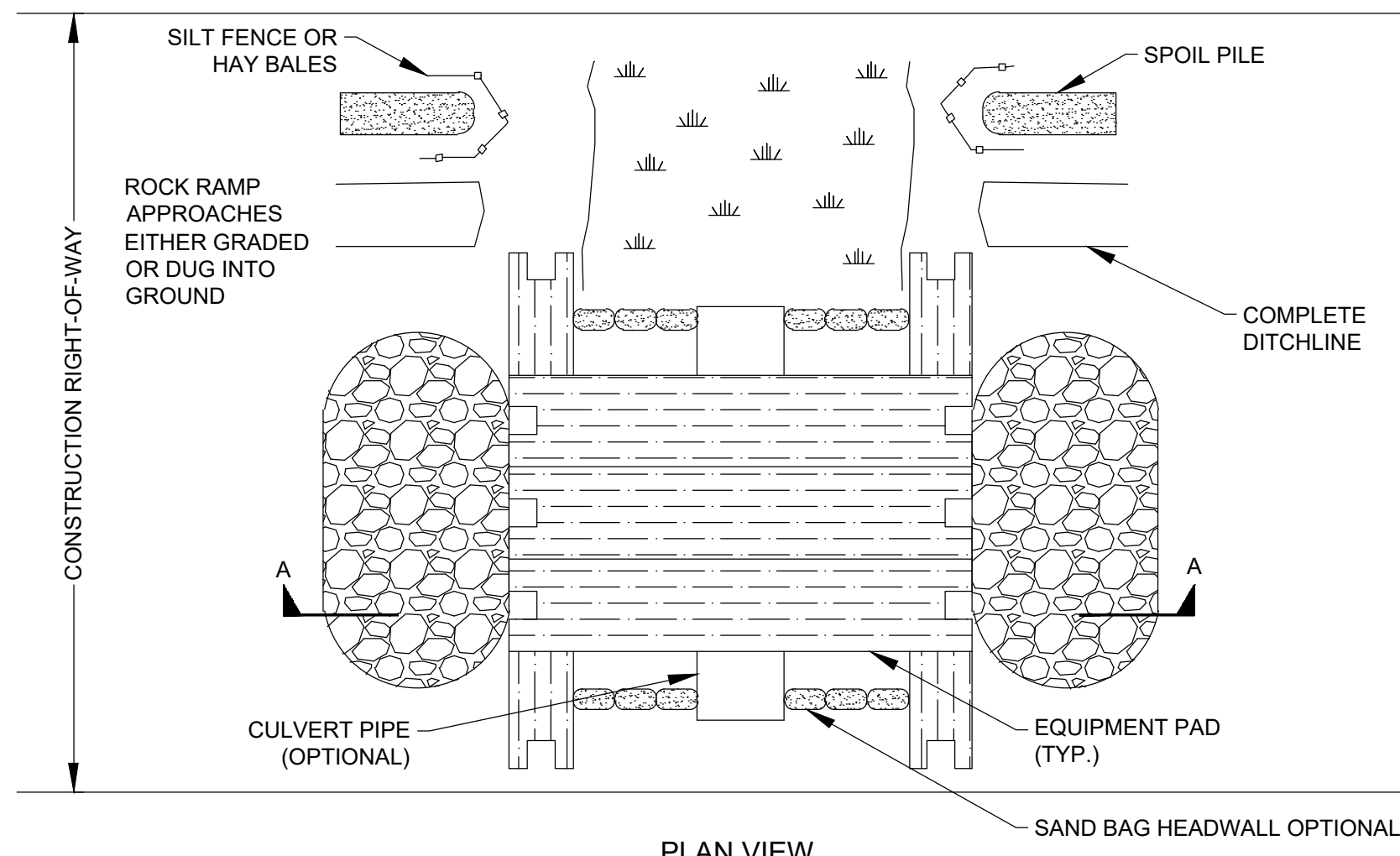
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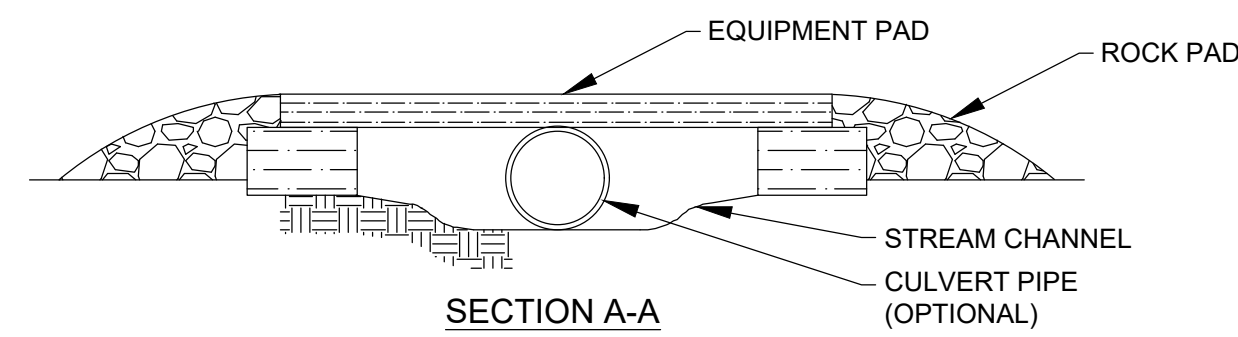
TRC		249 Western Avenue Augusta, ME 04330		PROJECT NO: 327851		
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PGT DESIGNED	EROSION & SEDIMENTATION CONTROL DETAILS 3 HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC MONTGOMERY CO., NY	TRC	C-073	REV. E
ESB DRAWN				
RAY CHECKED				
PMM APPROVED				
REVIEW 1 DATE REVIEW 2	04/15 AS NOTED SCALE			

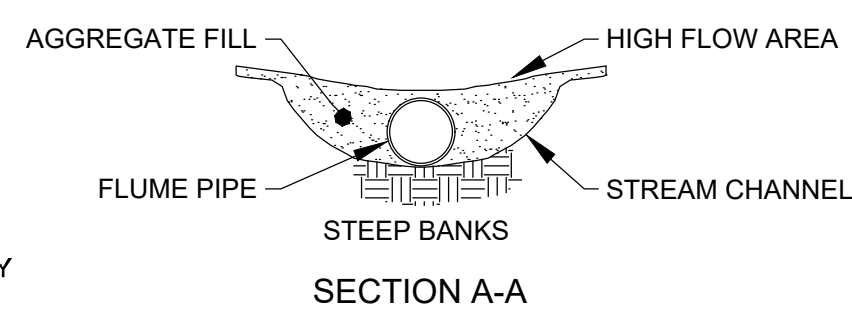
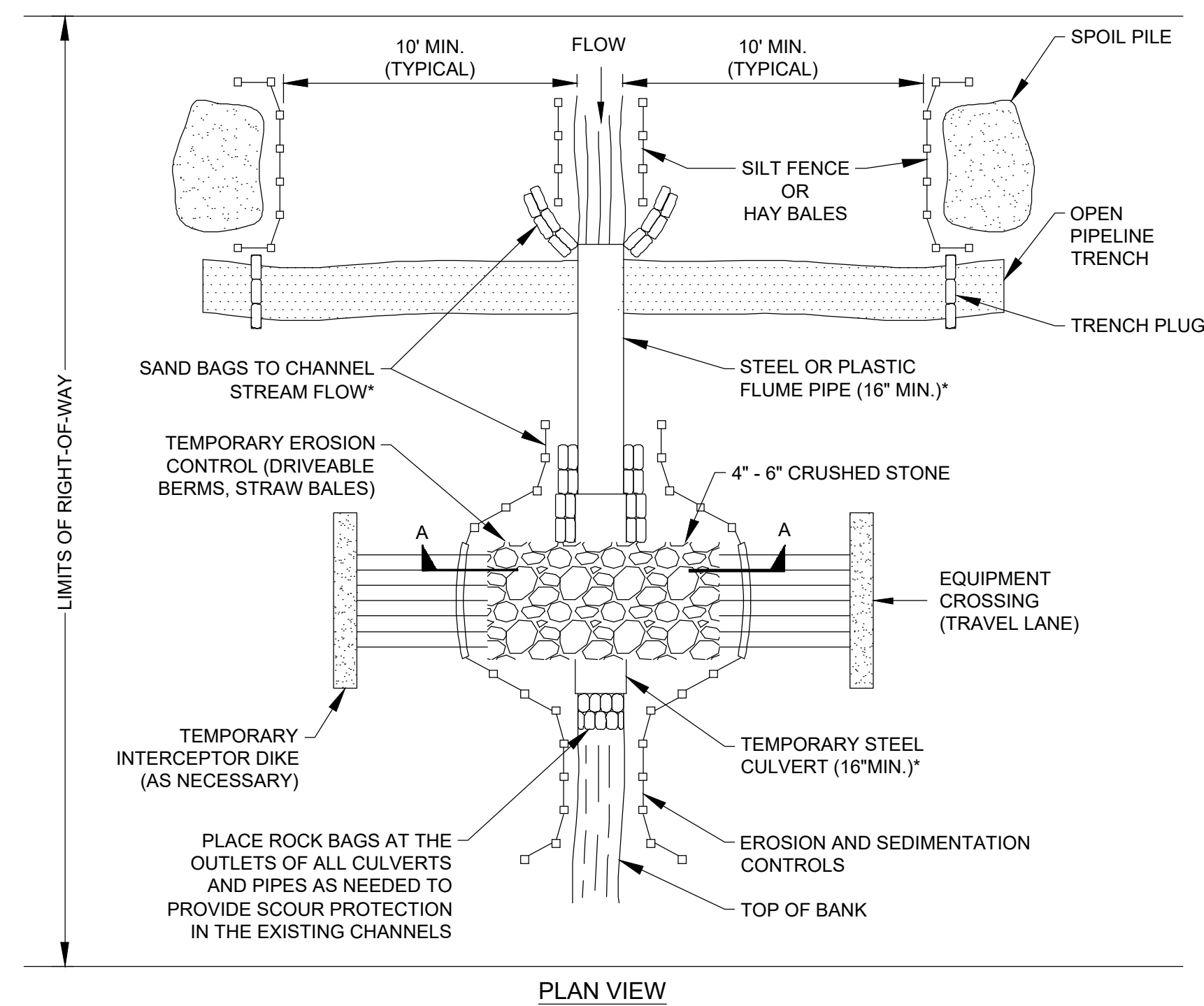


TYPICAL PAD SECTION DIMENSIONS
3' WIDE, 1" THICK, 20' LONG



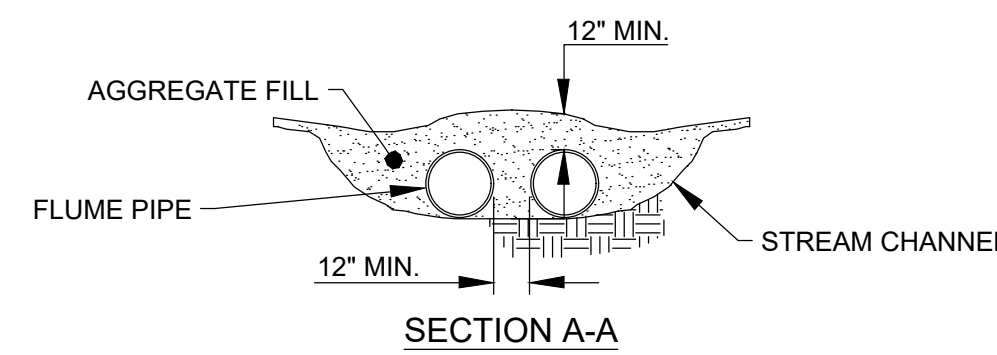
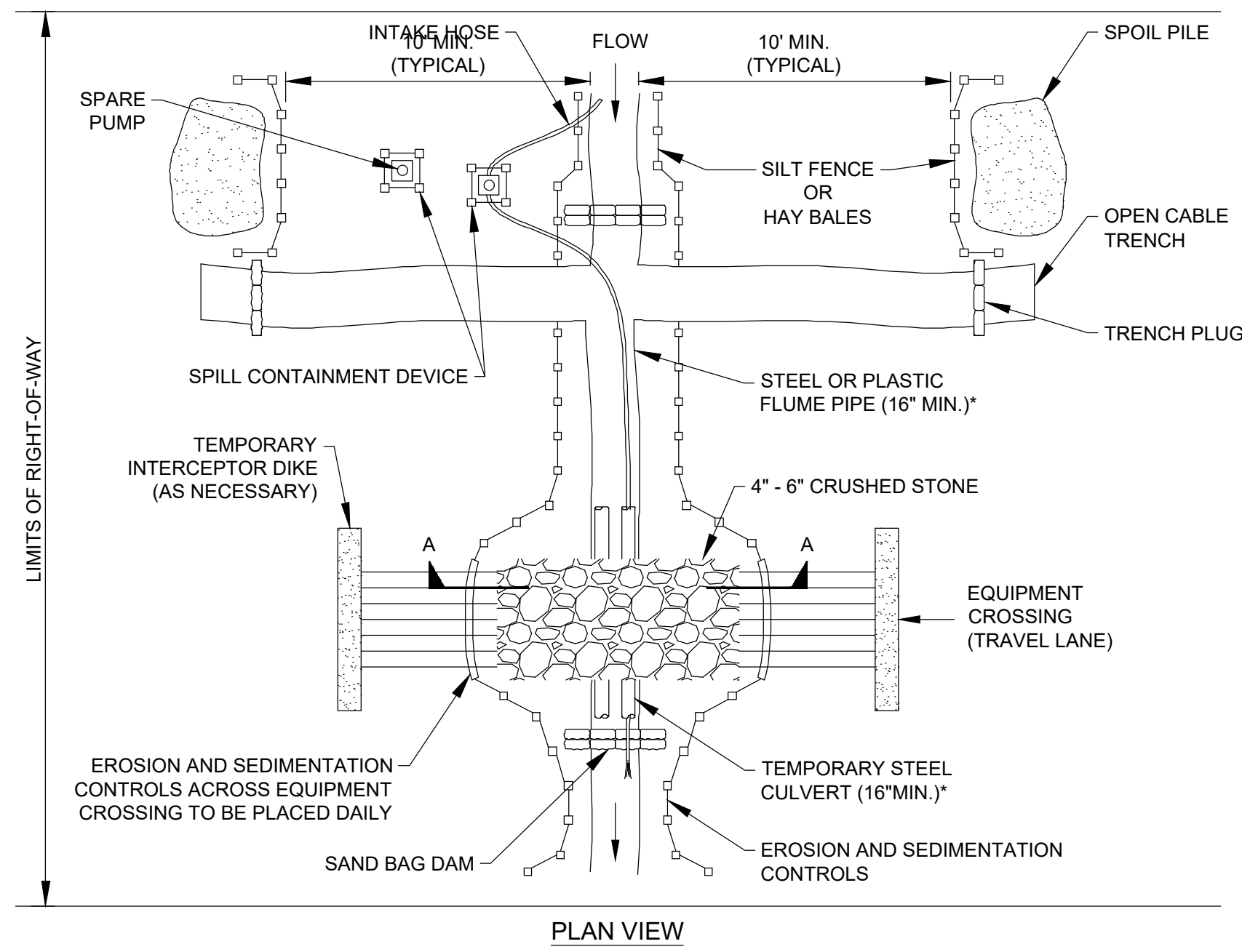
- NOTES:
1. CULVERT PIPE UTILIZED IF ADDITIONAL SUPPORT IS REQUIRED.
 2. ADDITIONAL PADS CAN BE PUT SIDE BY SIDE IF EXTRA WIDTH IS REQUIRED.
 3. EQUIPMENT PAD TYPICALLY CONSTRUCTED OF HARDWOOD; MUST ACCOMMODATE THE LARGEST EQUIPMENT USED.
 4. ROCK PADS OR CRUSHED STONE SHALL BE USED AT ENTRANCE TO THE EQUIPMENT PADS (IF NECESSARY).

TEMPORARY EQUIPMENT BRIDGE
SCALE: N.T.S.



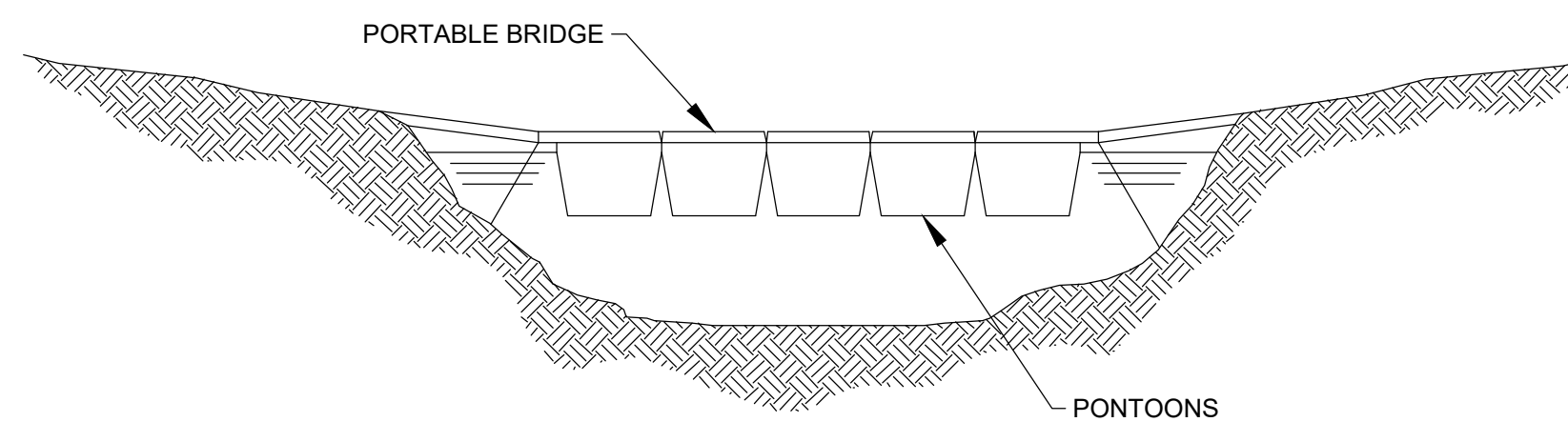
* IF WELDED PIPE IS USED SAND BAGS AT JOINTS NOT REQUIRED. ACTUAL NUMBERS OF FLUMES AND CULVERT PIPE REQUIRED TO BE DETERMINED BY STREAM WIDTH.

TYPICAL FLUMED STREAM CROSSING
SCALE: N.T.S.



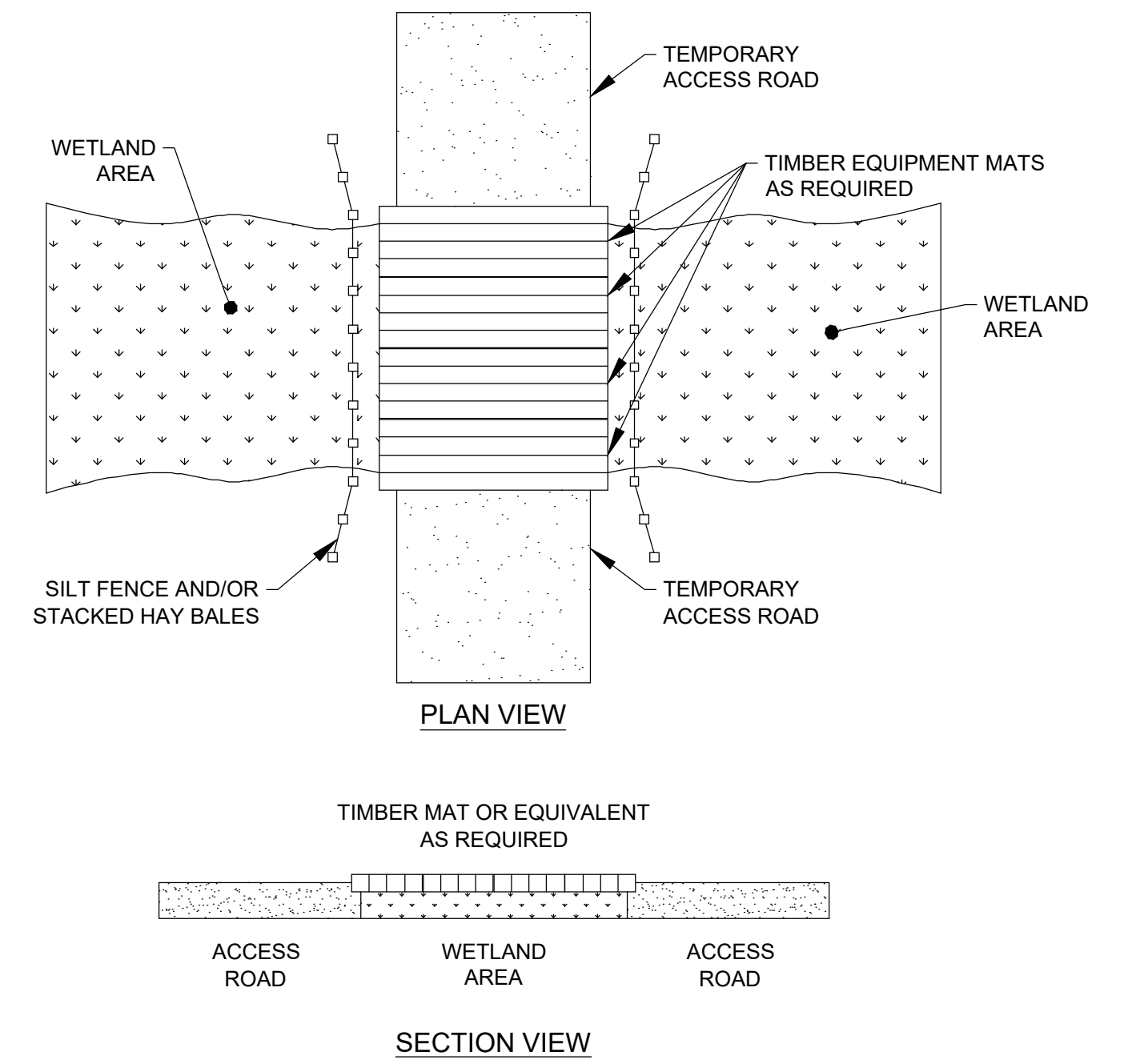
- NOTES:
1. EXCAVATE ACROSS STREAM CHANNEL FOLLOWING WATER RE-ROUTING.
 2. LOWER PIPE UNDER HOSE AND BACKFILL.
 3. MONITOR PUMPS AT ALL TIMES DURING STREAM CROSSING PROCEDURE.
 4. REMOVE SILT FENCE/HAY BALES ACROSS EQUIPMENT CROSSING AS NEEDED FOR ACCESS, AND REPLACE AT THE END OF EACH DAY.
 5. NUMBER OF FLUME PIPES WILL VARY DEPENDING ON SITE CONDITIONS.

TYPICAL DAM & PUMP STREAM CROSSING
SCALE: N.T.S.

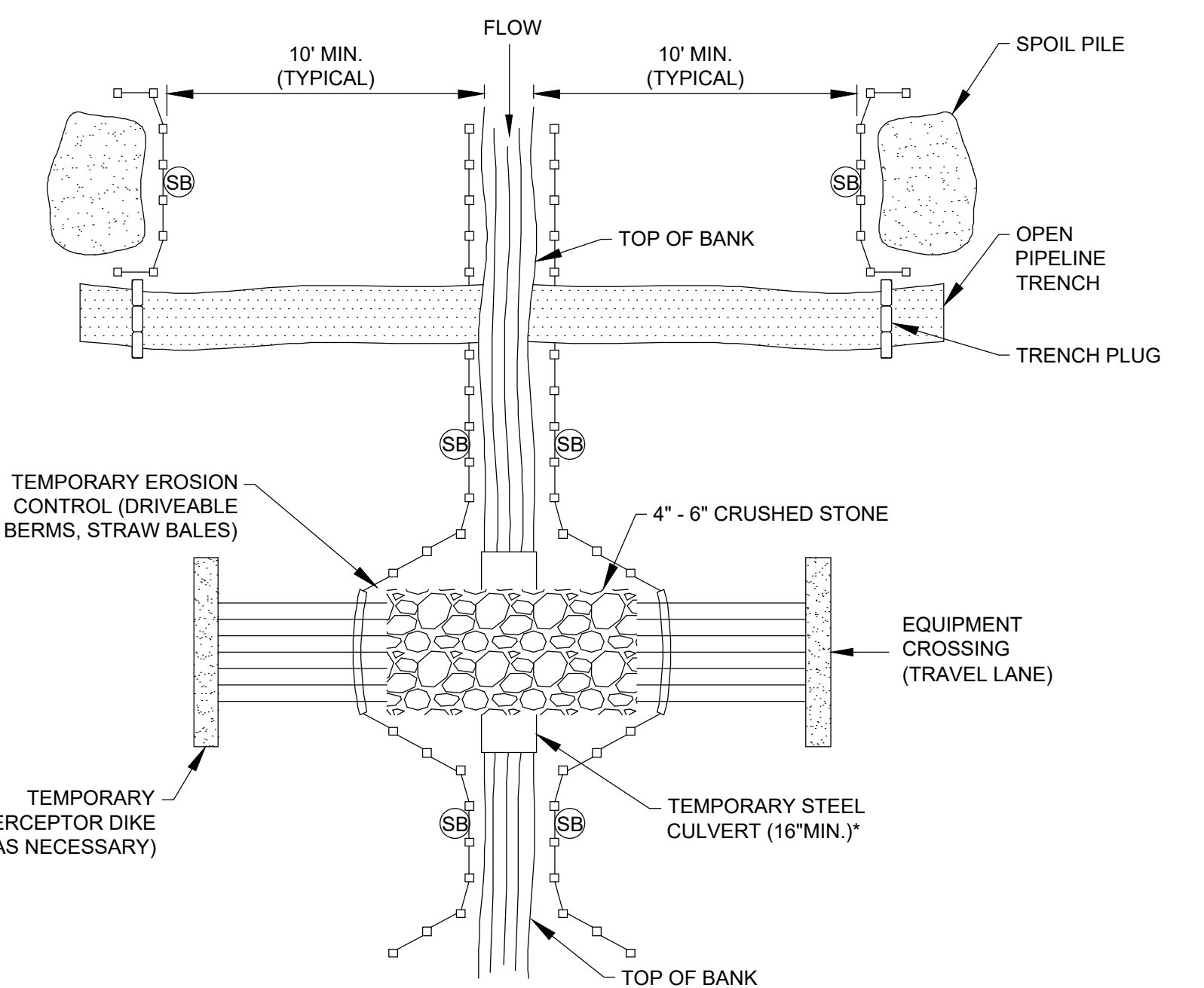


- NOTES:
1. STABILIZE EDGES WITH SANDBAGS OR STONE.
 2. REMOVE BRIDGE DURING CLEANUP.

TEMPORARY EQUIPMENT BRIDGE
SCALE: N.T.S.



TEMPORARY WETLAND CROSSING
SCALE: N.T.S.



- NOTES:
1. SB TEMPORARY SEDIMENT BARRIER OF SILT FENCE AND/OR STRAW BALES, OR APPROPRIATE MATERIALS.
 2. FOR MINOR WATERBODIES, COMPLETE TRENCHING AND BACKFILL IN THE WATERBODY (NOT INCLUDING BLASTING OR OTHER ROCK BREAKING MEASURES) WITHIN 24 CONTINUOUS HOURS. IF A FLUME IS INSTALLED WITHIN THE WATERBODY DURING MAINLINE ACTIVITIES, IT CAN BE REMOVED JUST PRIOR TO LOWERING IN THE CABLE OR CONDUIT. THE 24-HOUR TIMEFRAME STARTS AS SOON AS THE FLUME IS REMOVED.
 3. FOR INTERMEDIATE WATERBODIES, COMPLETE TRENCHING AND BACKFILLING IN THE WATERBODY (NOT INCLUDING BLASTING OR OTHER ROCK BREAKING MEASURES) WITHIN 48 CONTINUOUS HOURS, IF FEASIBLE.

* ACTUAL NUMBERS OF FLUMES AND CULVERT PIPE REQUIRED TO BE DETERMINED BY STREAM WIDTH.

TYPICAL OPEN CUT STREAM CROSSING
SCALE: N.T.S.

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PGT DESIGNED	PRELIMINARY EROSION & SEDIMENTATION CONTROL DETAILS 4 HIGH RIVER ENERGY CENTER HIGH RIVER ENERGY CENTER, LLC FLORIDA MONTGOMERY CO., NY		C-074	REV.
ESB DRAWN				DATE
RAY CHECKED				SCALE
PMM APPROVED				

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