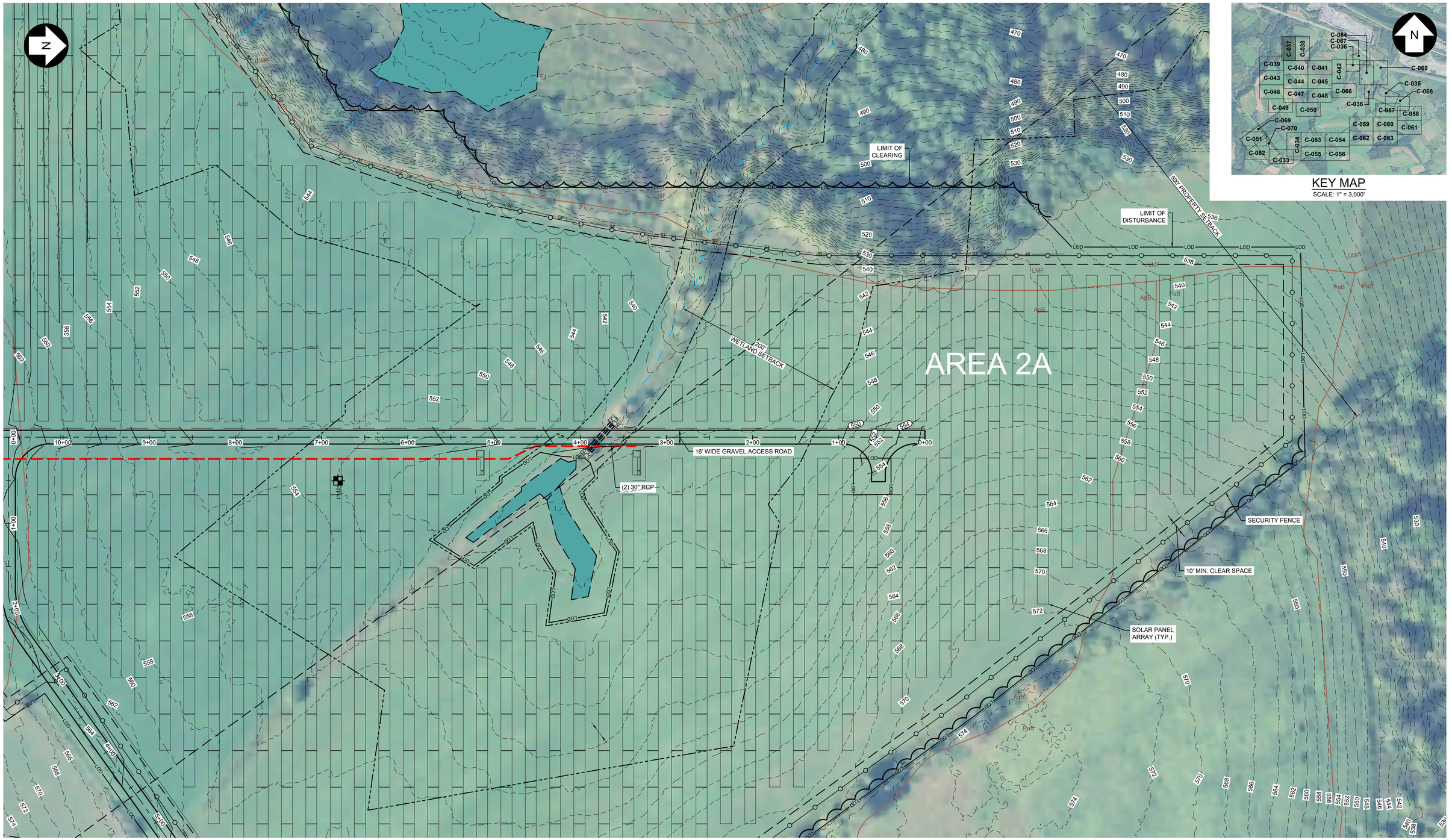
FOR CONTINUATION, SEE DRAWING C-039

FOR CONTINUATION, SEE DRAWING C-040



KEY MAP
SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-038

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.

50 0 50 100 FT
SCALE: 1" = 50'

PRELIMINARY
NOT FOR CONSTRUCTION

Call 811 before you dig

REFERENCE ITEMS

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

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

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

TRC C-037 REV. G

327851-HIGH RIVER-GRADING 001.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-037

FOR CONTINUATION, SEE DRAWING C-040

FOR CONTINUATION, SEE DRAWING C-041

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.

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

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REFERENCE ITEMS

TRC

249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

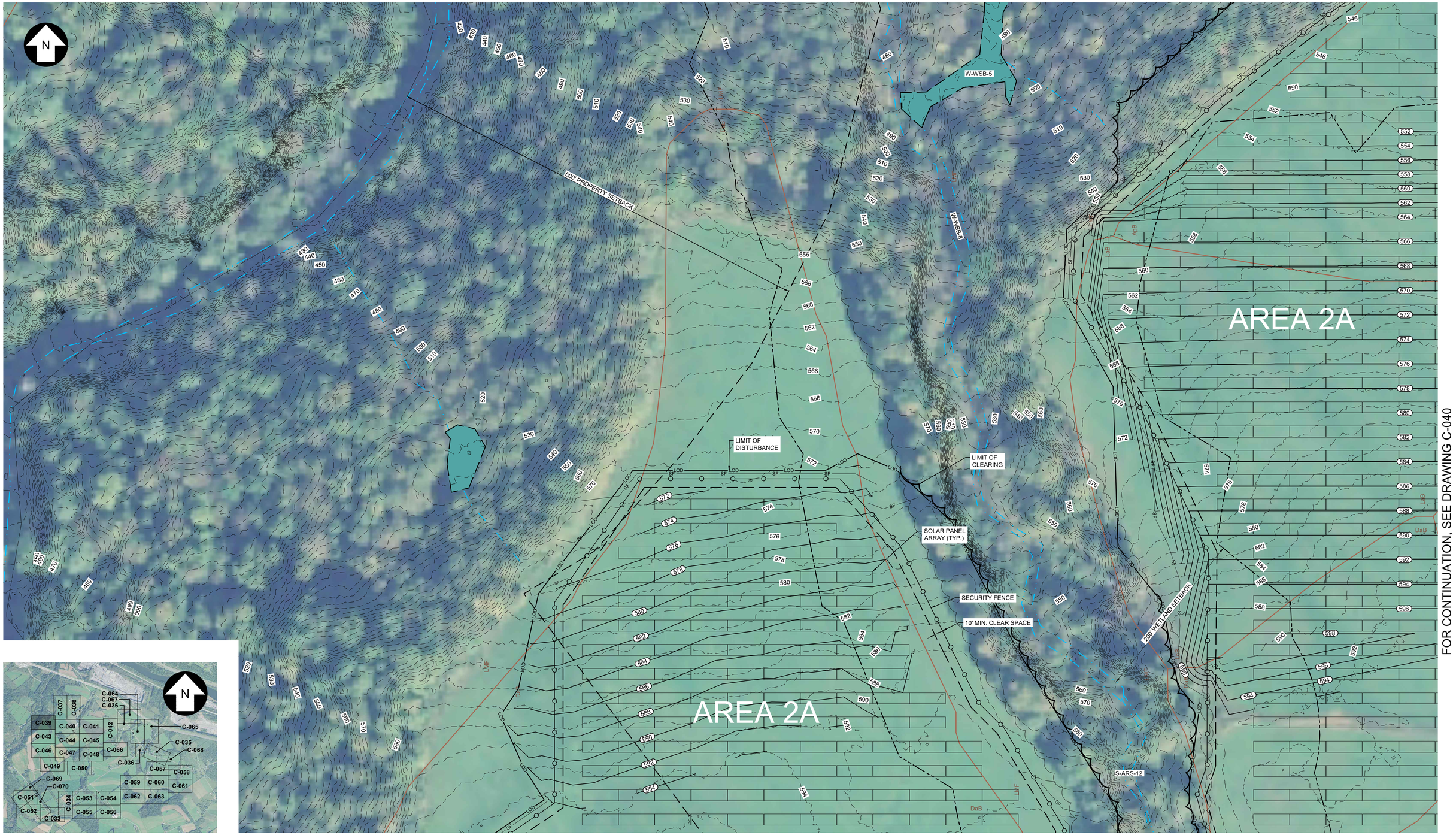
04/08 DATE
AS NOTED SCALE

TRC

C-038

REV. F

327851-HIGH RIVER-GRADING 002.dwg 2020.01.29



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.

50 0 50 100 FT
SCALE: 1" = 50'

PRELIMINARY
NOT FOR CONSTRUCTION

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REFERENCE ITEMS	

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

04/08 DATE
AS NOTED SCALE

TRC

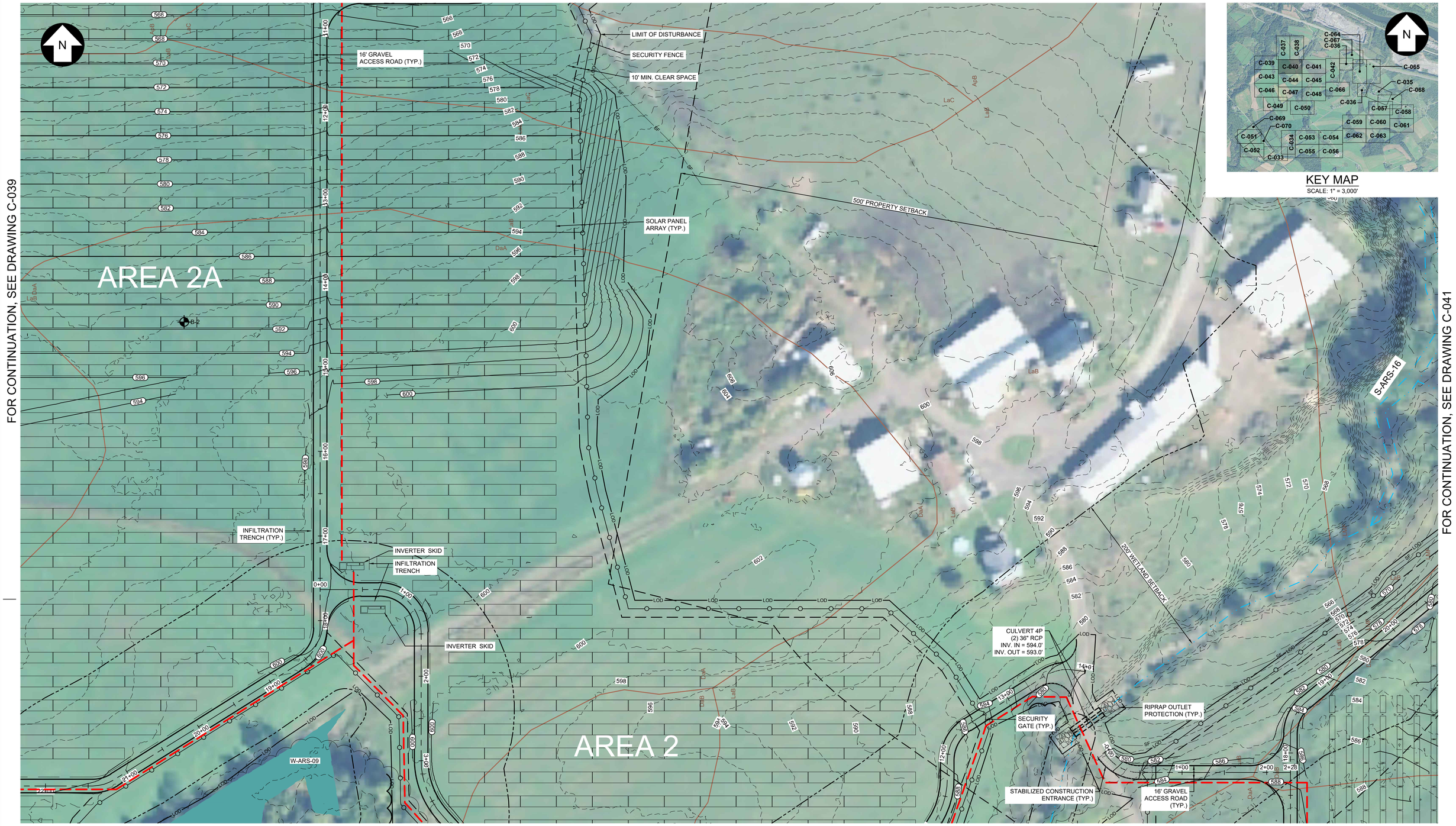
C-039 REV. G

327851-HIGH RIVER-GRADING 003.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-038

FOR CONTINUATION, SEE DRAWING C-039

FOR CONTINUATION, SEE DRAWING C-041



KEY MAP
SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-044

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.

50 0 50 100 FT
SCALE: 1" = 50'

PRELIMINARY
NOT FOR CONSTRUCTION

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REFERENCE ITEMS

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

04/08 DATE
AS NOTED SCALE

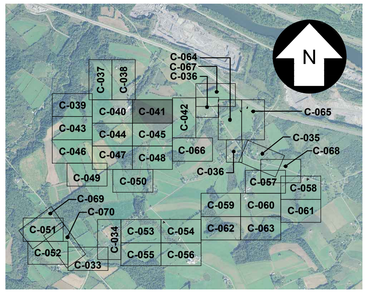
TRC

C-040

REV. G

2020.01.29

327851-HIGH RIVER-GRADING 004.dwg



KEY MAP

SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-040

FOR CONTINUATION, SEE DRAWING C-042

AREA 3

200' WETLAND SETBACK

SOLAR PANEL ARRAY (TYP.)

16' GRAVEL ACCESS ROAD

LIMIT OF DISTURBANCE

SECURITY FENCE

10' MIN. CLEAR SPACE

INFILTRATION TRENCH (TYP.)

INVERTER SKID (TYP.)

INFILTRATION TRENCH (TYP.)

INVERTER SKID (TYP.)

COLLECTOR LINE

B-6

FOR CONTINUATION, SEE DRAWING C-045

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.

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

NOT FOR CONSTRUCTION

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REFERENCE ITEMS	

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED

ESB DRAWN

CHECKED

APPROVED

REVIEW 1

REVIEW 2

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

04/08 DATE

AS NOTED SCALE

TRC

C-041

REV. G

327851-HIGH RIVER-GRADING 005.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-045

FOR CONTINUATION, SEE DRAWING C-041

FOR CONTINUATION, SEE DRAWING C-066

AREA 3

SOLAR PANEL ARRAY (TYP.)

LIMIT OF CLEARING

LIMIT OF DISTURBANCE

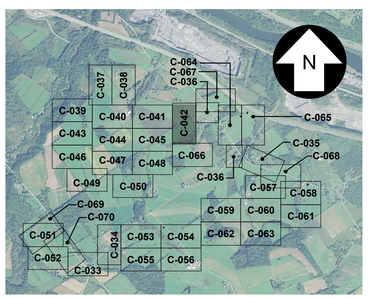
200' WETLAND SETBACK

SECURITY FENCE

10' MIN. CLEAR SPACE

COLLECTOR LINE

W-DJL-12



KEY MAP

SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-036

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.

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

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REFERENCE ITEMS	

TRC

249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

04/08 DATE
AS NOTED SCALE

TRC

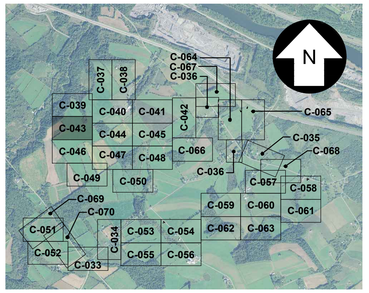
C-042

REV. G

2020.01.29

327851-HIGH RIVER-GRADING 006.dwg

FOR CONTINUATION, SEE DRAWING C-039



KEY MAP
SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-044

FOR CONTINUATION, SEE DRAWING C-046

50 0 50 100 FT
SCALE: 1" = 50'

PRELIMINARY
NOT FOR CONSTRUCTION

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REFERENCE ITEMS

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

04/08 DATE
AS NOTED SCALE

TRC

C-043

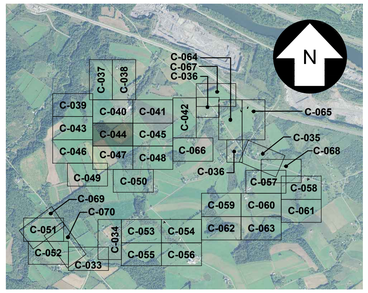
REV. G

327851-HIGH RIVER-GRADING 007.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-040

FOR CONTINUATION, SEE DRAWING C-043

FOR CONTINUATION, SEE DRAWING C-045



KEY MAP

SCALE: 1" = 3,000'

AREA 2

AREA 3

AREA 2

AREA 2

LIMIT OF CLEARING

LIMIT OF DISTURBANCE

10' MIN. CLEAR SPACE

S-ARS-15

INFILTRATION TRENCH (TYP.)

INVERTER SKID (TYP.)

16' GRAVEL ACCESS ROAD (TYP.)

SECURITY FENCE

SOLAR PANEL ARRAY (TYP.)

200' PROPERTY SETBACK

W-ARS-10

W-ARS-10

W-ARS-10

W-ARS-10

W-ARS-10

DbB

DaA

Ma

FL

SF

LOD

4+00 5+00 6+00 7+00 8+00 9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00

8+00 9+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00

590 592 594 596 598

N

FOR CONTINUATION, SEE DRAWING C-047

2020.01.29

327851-HIGH RIVER-GRADING 008.dwg

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

NOT FOR CONSTRUCTION

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REFERENCE ITEMS

TRC

249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	ISSUED FOR ARTICLE 10 SUBMISSION	01-24-20	CMW	PGT	
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED

ESB DRAWN

CHECKED

APPROVED

REVIEW 1

REVIEW 2

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

04/08 DATE

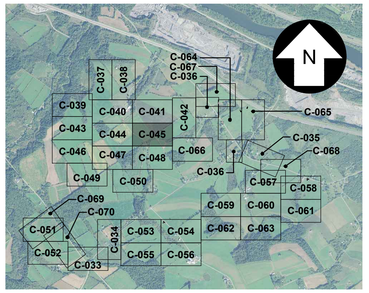
AS NOTED SCALE

TRC

C-044

REV. G

FOR CONTINUATION, SEE DRAWING C-041



KEY MAP
SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-044

FOR CONTINUATION, SEE DRAWING C-042

AREA 3

AREA 3

16' GRAVEL ACCESS ROAD (TYP.)

SOLAR PANEL ARRAY (TYP.)

LIMIT OF CLEARING

LIMIT OF DISTURBANCE

INFILTRATION TRENCH (TYP.)

10' MIN. CLEAR SPACE

SECURITY FENCE

INVERTER SKID (TYP.)

200' WETLAND SETBACK

W-AJF-12

W-DJL-12

TP-3

B-5

FOR CONTINUATION, SEE DRAWING C-048

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.

50 0 50 100 FT
SCALE: 1" = 50'

PRELIMINARY
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REFERENCE ITEMS

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

04/08 DATE
AS NOTED SCALE

TRC

C-045

REV. G

327851-HIGH RIVER-GRADING 009.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-043

AREA 2

INVERTER SKID

B-3

500' PROPERTY SETBACK

SOLAR PANEL ARRAY (TYP.)

SECURITY FENCE

10' MIN. CLEAR SPACE

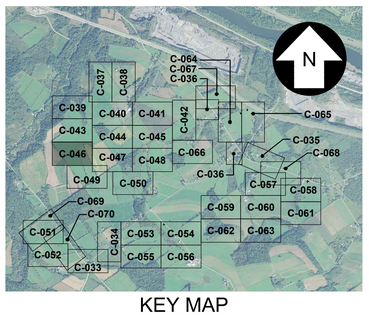
LIMIT OF DISTURBANCE

200' WETLAND SETBACK

W-ARS-10

AREA 2

FOR CONTINUATION, SEE DRAWING C-047



KEY MAP

SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-049

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

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TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
	G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
	F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
	E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
	D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

04/08 DATE
AS NOTED SCALE

TRC

C-046

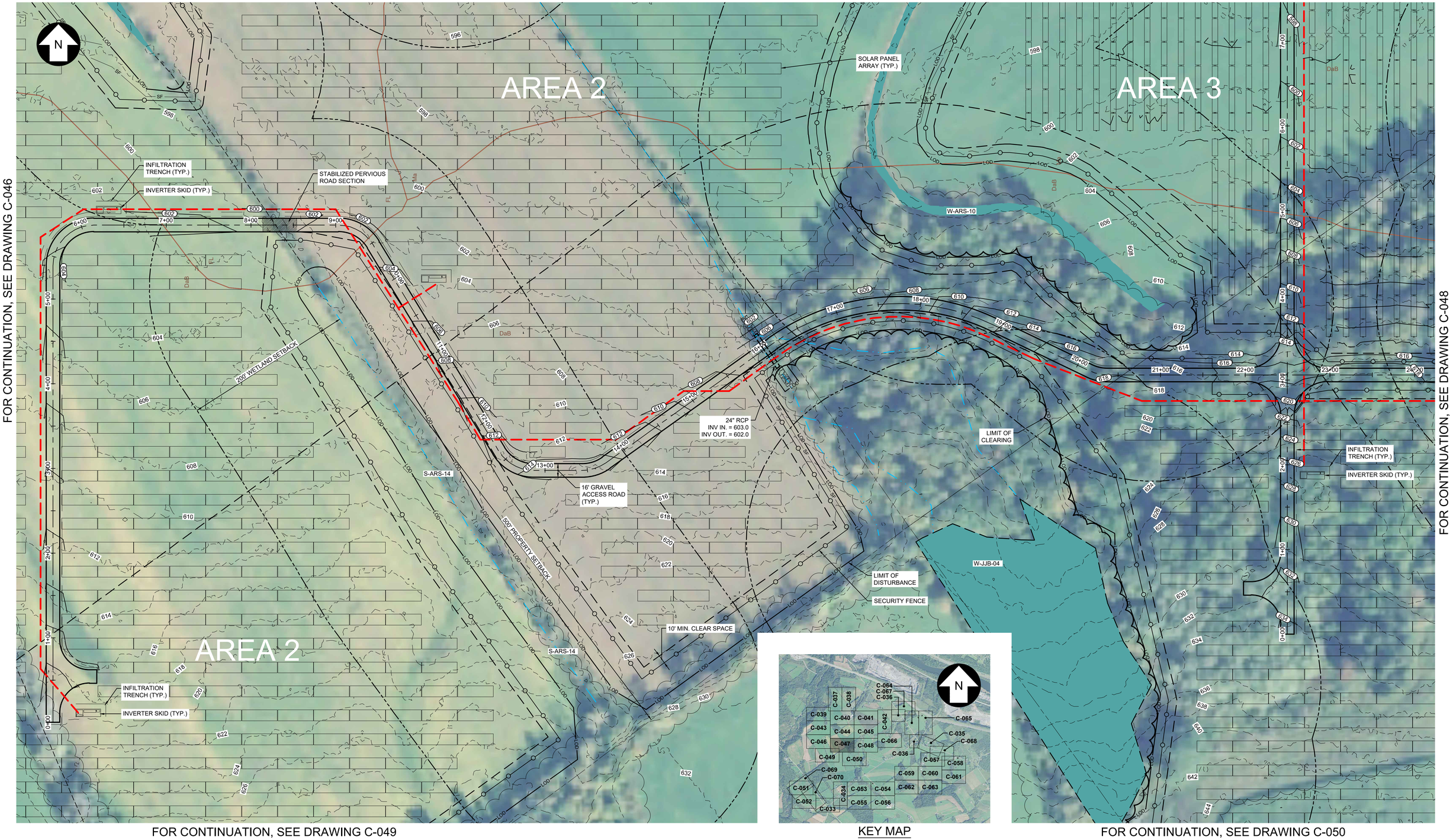
REV. G

327851-HIGH RIVER-GRADING 010.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-044

FOR CONTINUATION, SEE DRAWING C-046

FOR CONTINUATION, SEE DRAWING C-048



FOR CONTINUATION, SEE DRAWING C-049

KEY MAP
SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-050

50 0 50 100 FT
SCALE: 1" = 50'

PRELIMINARY
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REFERENCE ITEMS	

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

04/08 DATE
AS NOTED SCALE

TRC

C-047

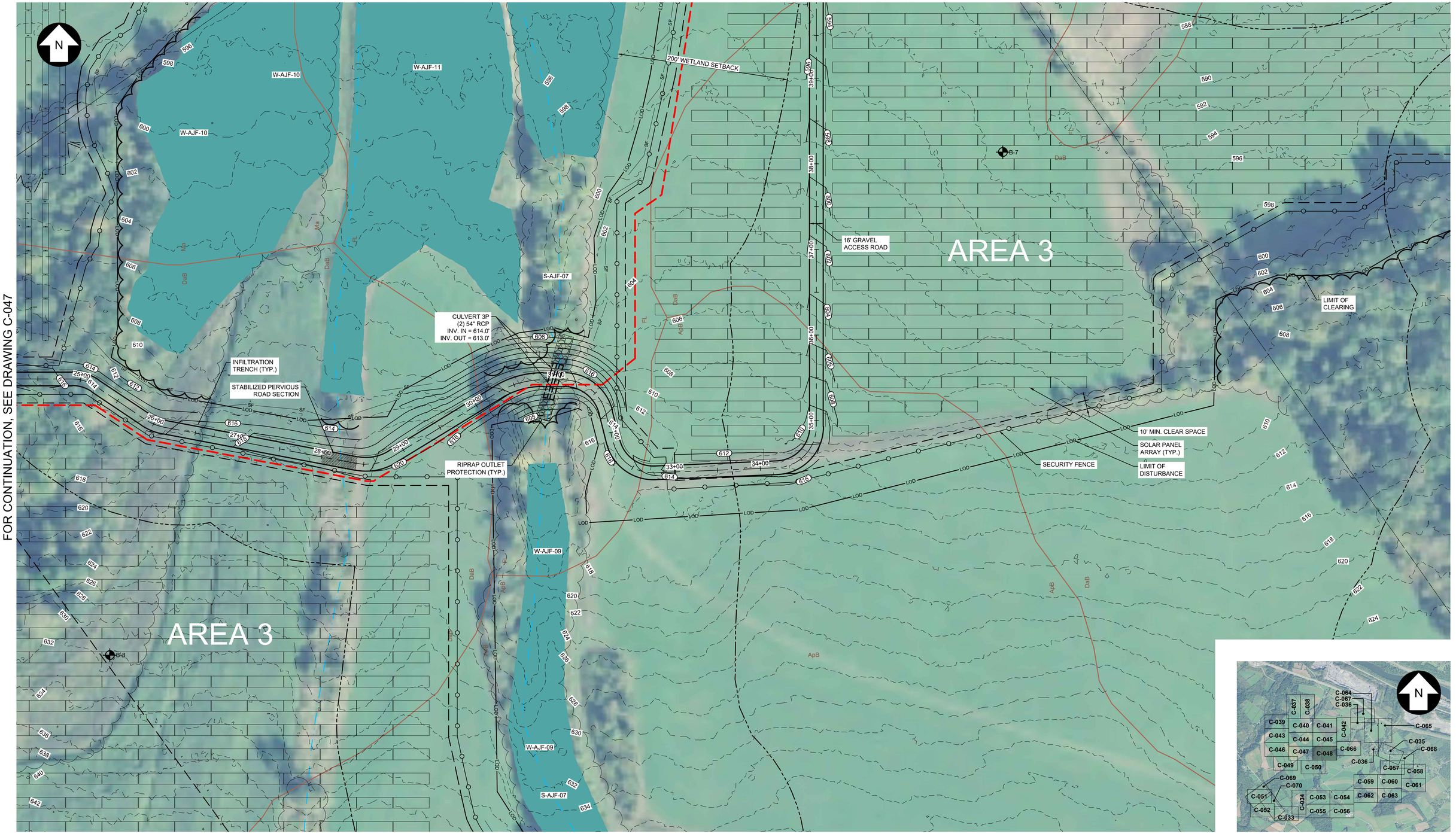
REV. G

2020.01.29
327851-HIGH RIVER-GRADING 011.dwg

FOR CONTINUATION, SEE DRAWING C-045

FOR CONTINUATION, SEE DRAWING C-047

FOR CONTINUATION, SEE DRAWING C-066



FOR CONTINUATION, SEE DRAWING C-050

KEY MAP
SCALE: 1" = 3,000'

50 0 50 100 FT
SCALE: 1" = 50'

PRELIMINARY
NOT FOR CONSTRUCTION

Call 811 before you dig

REFERENCE ITEMS	

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
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D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
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UPDATED LAYOUT
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
FLORIDA MONTGOMERY CO., NY

04/08 DATE
AS NOTED SCALE

TRC

C-048

REV. G

2020.01.29
327851-HIGH RIVER-GRADING 012.dwg

FOR CONTINUATION, SEE DRAWING C-046

FOR CONTINUATION, SEE DRAWING C-047

AREA 2

16' GRAVEL ACCESS ROAD

INFILTRATION TRENCH

INVERTER SKID

500' PROPERTY SETBACK

LIMIT OF DISTURBANCE

SECURITY FENCE

10' MIN. CLEAR SPACE

S-ARS-13

200' WETLAND SETBACK

SOLAR PANEL ARRAY (TYP.)

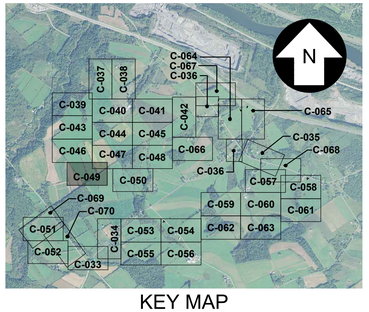
LIMIT OF CLEARING

LOD

ApB

DaB

LaC



KEY MAP

SCALE: 1" = 3,000'

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

NOT FOR CONSTRUCTION

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REFERENCE ITEMS	

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
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D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

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REVIEW 1

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

04/08 DATE

AS NOTED SCALE

TRC

C-049

REV. G

327851-HIGH RIVER-GRADING 013.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-047

FOR CONTINUATION, SEE DRAWING C-048

N

AREA 3

LIMIT OF DISTURBANCE

SECURITY FENCE

10' MIN. CLEAR SPACE

200' WETLAND SETBACK

500' PROPERTY SETBACK

SOLAR PANEL ARRAY (TYP.)

S-AJF-07

W-JJB-02

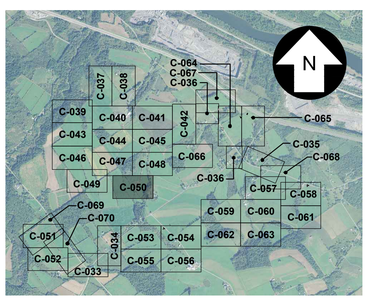
W-JJB-1

LOD

DaB

ApB

LaC



KEY MAP

SCALE: 1" = 3,000'

327851-HIGH RIVER-GRADING 014.dwg 2020.01.29

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.

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

NOT FOR CONSTRUCTION

Call 811 Before You Dig

REFERENCE ITEMS	

TRC

249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED

ESB DRAWN

CHECKED

APPROVED

REVIEW 1

REVIEW 2

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

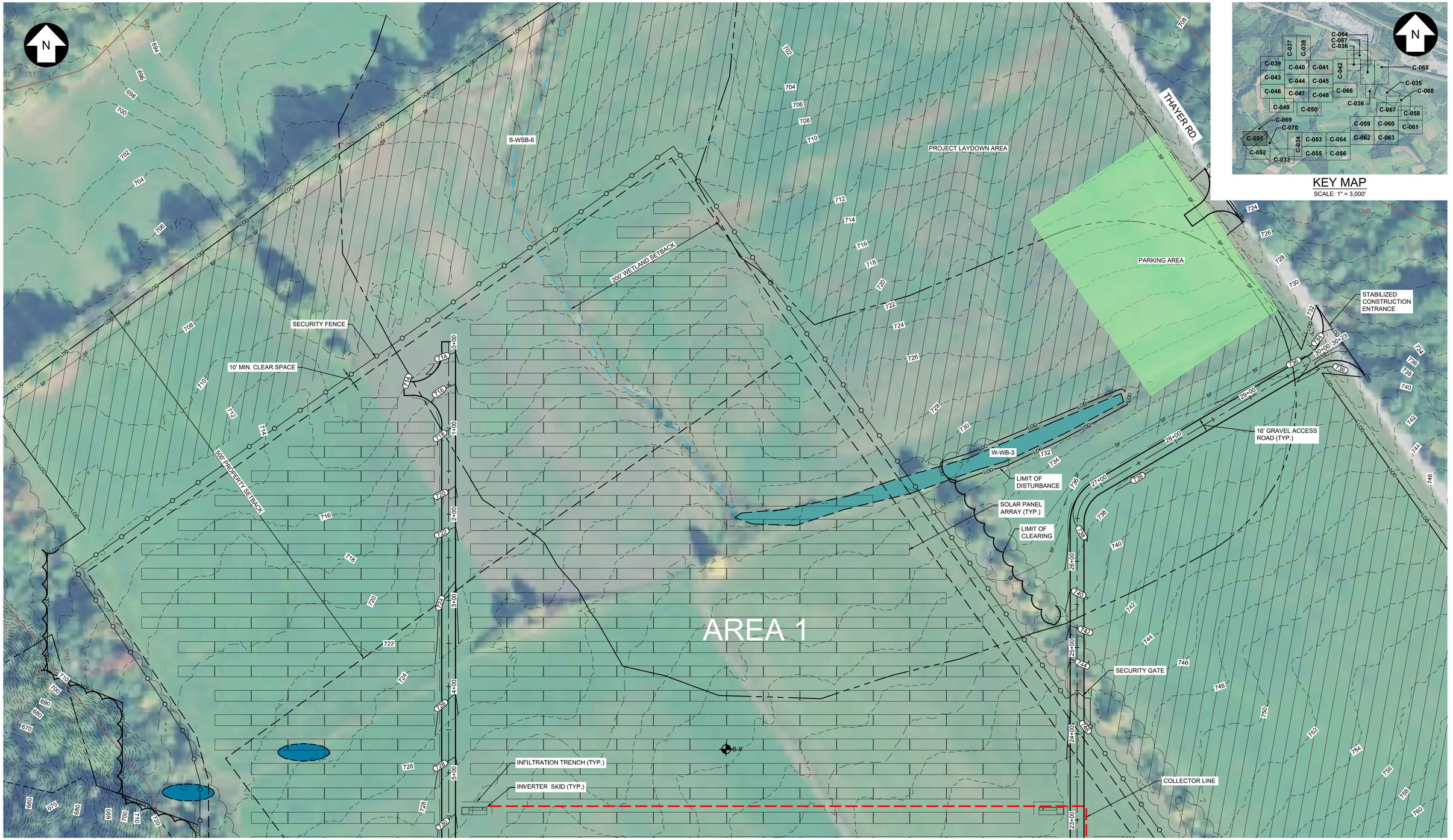
04/08 DATE

AS NOTED SCALE

TRC

C-050

REV. G



KEY MAP

SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-052

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.

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

NOT FOR CONSTRUCTION

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REFERENCE ITEMS

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
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D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

04/08 DATE
AS NOTED SCALE

TRC

C-051

REV. G

327851-HIGH RIVER-GRADING 015.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-051

FOR CONTINUATION, SEE DRAWING C-033

AREA 1

PROJECT LAYDOWN AREA

TP-5

200' WETLAND SETBACK

500' PROPERTY SETBACK

LIMIT OF CLEARING

10' MIN. CLEAR SPACE

16' GRAVEL ACCESS ROAD

SECURITY FENCE

LIMIT OF DISTURBANCE

SOLAR PANEL ARRAY (TYP.)

COLLECTOR LINE

W-WB-2

LOD

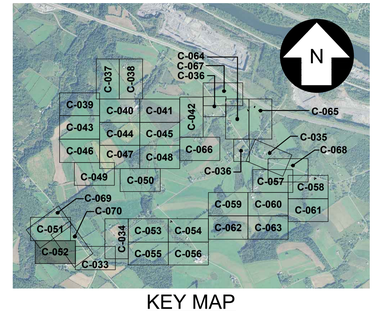
SF

LMF

DsA

DsB

LaD



KEY MAP

SCALE: 1" = 3,000'

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50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

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249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

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D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

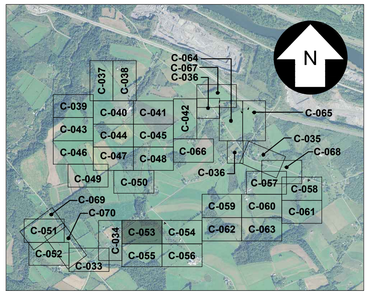
04/08 DATE
AS NOTED SCALE

TRC

C-052

REV. G

327851-HIGH RIVER-GRADING 016.dwg 2020.01.29



KEY MAP

SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-055

FOR CONTINUATION, SEE DRAWING C-054

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

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REFERENCE ITEMS	

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249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

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D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

PGT DESIGNED

ESB DRAWN

CHECKED

APPROVED

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

REVIEW 1

REVIEW 2

04/08 DATE

AS NOTED SCALE

TRC

C-053

REV. G

327851-HIGH RIVER-GRADING 017.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-053

FOR CONTINUATION, SEE DRAWING C-062

N

STABILIZED CONSTRUCTION ENTRANCE

16' GRAVEL ACCESS ROAD

MOHR RD

S-ARS-10

LIMIT OF CLEARING

50' PROPERTY SETBACK

200' WETLAND SETBACK

W-ARS-07

10' MIN. CLEAR SPACE

SECURITY FENCE

S-ARS-10

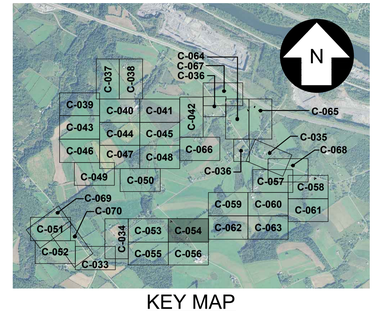
LIMIT OF DISTURBANCE

SOLAR PANEL ARRAY (TYP.)

COLLECTOR LINE

AREA 4

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.

50 0 50 100 FT

SCALE: 1" = 50'

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REFERENCE ITEMS

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D	ISSUED FOR CLIENT REVIEW	08-21-19	DED	PGT	

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

04/08 DATE
AS NOTED SCALE

TRC

C-054

REV. G

FOR CONTINUATION, SEE DRAWING C-053

FOR CONTINUATION, SEE DRAWING C-034

FOR CONTINUATION, SEE DRAWING C-056

KEY MAP

SCALE: 1" = 3,000'

327851-HIGH RIVER-GRADING 019.dwg 2020.01.29

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.

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY
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TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
	G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
	F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
	E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	DED	PGT	
	D	ISSUED FOR CLIENT REVIEW	08-21-19	SEK	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

UPDATED LAYOUT
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC

FLORIDA MONTGOMERY CO., NY

04/08 DATE
AS NOTED SCALE

TRC

C-055

REV. G

FOR CONTINUATION, SEE DRAWING C-054

FOR CONTINUATION, SEE DRAWING C-055

AREA 4

MOHR RD.

COLLECTOR LINE EXIT PIT

COLLECTOR LINE HDD

COLLECTOR LINE ENTRY PIT

S-ARS-10

200' WETLAND SETBACK

10' MIN. CLEAR SPACE

500' PROPERTY SETBACK

16' GRAVEL ACCESS ROAD

INFILTRATION TRENCH

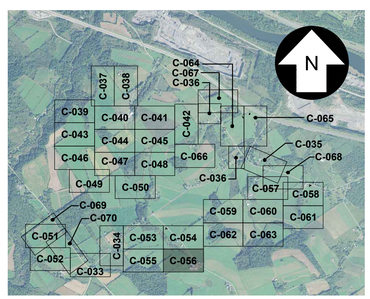
INVERTER SKID

SECURITY FENCE

SOLAR PANEL ARRAY (TYP.)

LIMIT OF DISTURBANCE

N



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.

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

NOT FOR CONSTRUCTION

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REFERENCE ITEMS		REV	DESCRIPTION	DATE	DES	CHK	APP
		G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
		F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
		E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	DED	PGT	
		D	ISSUED FOR CLIENT REVIEW	08-21-19	CMW	PGT	

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249 Western Avenue
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PROJECT NO: 327851

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ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

04/08 DATE
AS NOTED SCALE

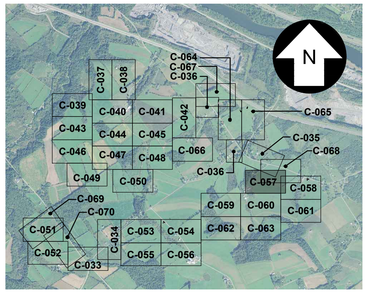
UPDATED LAYOUT
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
FLORIDA MONTGOMERY CO., NY

TRC

C-056

REV. G

327851-HIGH RIVER-GRADING 020.dwg 2020.01.29



KEY MAP

SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-060

FOR CONTINUATION, SEE DRAWING C-058

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

NOT FOR CONSTRUCTION

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249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
	G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
	F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
	E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	DED	PGT	
	D	ISSUED FOR CLIENT REVIEW	08-21-19	SEK	PGT	

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

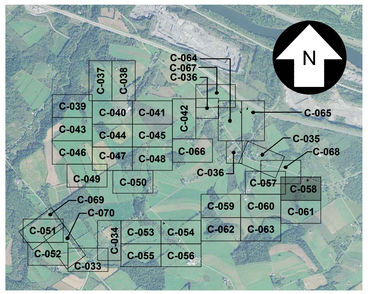
04/08 DATE
AS NOTED SCALE

TRC

C-057

REV. G

327851-HIGH RIVER-GRADING 021.dwg 2020.01.29



KEY MAP

SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-057

STABILIZED CONSTRUCTION ENTRANCE

ROUTE 152

16' GRAVEL ACCESS ROAD

S-AJF-04

W-AJF-05

W-AJF-06

200' WETLAND SETBACK

500' PROPERTY SETBACK

LIMIT OF DISTURBANCE

SECURITY FENCE

INFILTRATION TRENCH

10' MIN. CLEAR SPACE

SOLAR PANEL ARRAY (TYP.)

LIMIT OF CLEARING

AREA 5

B-14

FOR CONTINUATION, SEE DRAWING C-061

N

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.

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

NOT FOR CONSTRUCTION

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		D	ISSUED FOR CLIENT REVIEW	08-21-19	CMW	PGT	

TRC

249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

PGT DESIGNED
ESB DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

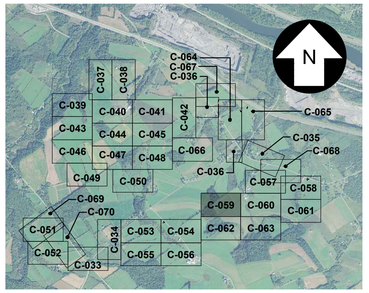
UPDATED LAYOUT
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
FLORIDA MONTGOMERY CO., NY

04/08 DATE
AS NOTED SCALE

TRC

C-058 REV. G

327851-HIGH RIVER-GRADING 022.dwg 2020.01.29



KEY MAP

SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-060

FOR CONTINUATION, SEE DRAWING C-062

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.

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

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REFERENCE ITEMS

TRC

249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

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ESB DRAWN
CHECKED
APPROVED
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UPDATED LAYOUT
GRADING & DRAINAGE PLAN
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
FLORIDA MONTGOMERY CO., NY

04/08 DATE
AS NOTED SCALE

TRC

C-059

REV. F

327851-HIGH RIVER-GRADING 023.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-057

FOR CONTINUATION, SEE DRAWING C-059

FOR CONTINUATION, SEE DRAWING C-061

SECURITY FENCE

10' MIN. CLEAR SPACE

RIPRAP OUTLET PROTECTION (TYP.)

CULVERT 2P
(2) 48" RCP
INV. IN = 707.0'
INV. OUT = 706.0'

SOLAR PANEL ARRAY (TYP.)

COLLECTOR LINE

SECURITY GATE

200' WETLAND SETBACK

S-ARS-09

B-15

INFILTRATION TRENCH

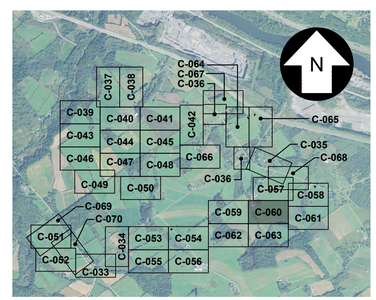
16' GRAVEL ACCESS ROAD (TYP.)

LIMIT OF DISTURBANCE

TP-7

AREA 5

FOR CONTINUATION, SEE DRAWING C-063



KEY MAP
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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.

50 0 50 100 FT
SCALE: 1" = 50'

PRELIMINARY
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249 Western Avenue
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FLORIDA MONTGOMERY CO., NY

04/08 DATE
AS NOTED SCALE

TRC

C-060

REV. G

327851-HIGH RIVER-GRADING 024.dwg 2020.01.31

FOR CONTINUATION, SEE DRAWING C-058

FOR CONTINUATION, SEE DRAWING C-060

FOR CONTINUATION, SEE DRAWING C-063

N

S-AJF-04

200' WETLAND SETBACK

INFILTRATION TRENCH

INVERTER SKID

16' GRAVEL ACCESS ROAD

500' PROPERTY SETBACK

SOLAR PANEL ARRAY (TYP.)

LIMIT OF DISTURBANCE

10' MIN. CLEAR SPACE

SECURITY FENCE

AREA 5

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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ESB DRAWN
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HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
FLORIDA MONTGOMERY CO., NY

04/08 DATE
AS NOTED SCALE

TRC

C-061

REV. G

327851-HIGH RIVER-GRADING 025.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-059

FOR CONTINUATION, SEE DRAWING C-054

FOR CONTINUATION, SEE DRAWING C-063

AREA 5

COLLECTOR LINE

SECURITY FENCE

10' MIN. CLEAR SPACE

LIMIT OF DISTURBANCE

LIMIT OF CLEARING

SOLAR PANEL ARRAY (TYP.)

500' PROPERTY SETBACK

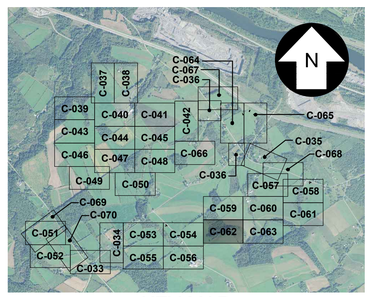
200' WETLAND SETBACK

W-ARS-06

N

KEY MAP

SCALE: 1" = 3,000'



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50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

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TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

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REVIEW 1
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HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
FLORIDA MONTGOMERY CO., NY

04/08 DATE
AS NOTED SCALE

TRC

C-062

REV. G

327851-HIGH RIVER-GRADING 026.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-060

FOR CONTINUATION, SEE DRAWING C-062

N

INVERTER SKID

SECURITY GATE

16' GRAVEL ACCESS ROAD

S-ARS-09

SECURITY FENCE

200' WETLAND SETBACK

10' MIN. CLEAR SPACE

LIMIT OF DISTURBANCE

LIMIT OF CLEARING

AREA 5

SOLAR PANEL ARRAY (TYP.)

LOD

500' PROPERTY SETBACK

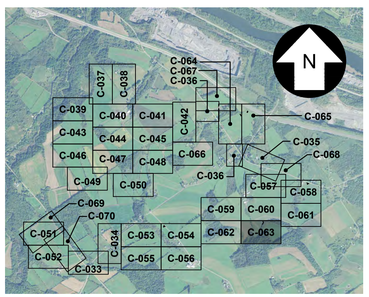
S-ARS-08

24+00

25+00

26+00

27+00



KEY MAP

SCALE: 1" = 3,000'

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

NOT FOR CONSTRUCTION

Call 811 before you dig

REFERENCE ITEMS

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	DED	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	CMW	PGT	

PGT DESIGNED

ESB DRAWN

CHECKED

APPROVED

REVIEW 1

REVIEW 2

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

04/08 DATE

AS NOTED SCALE

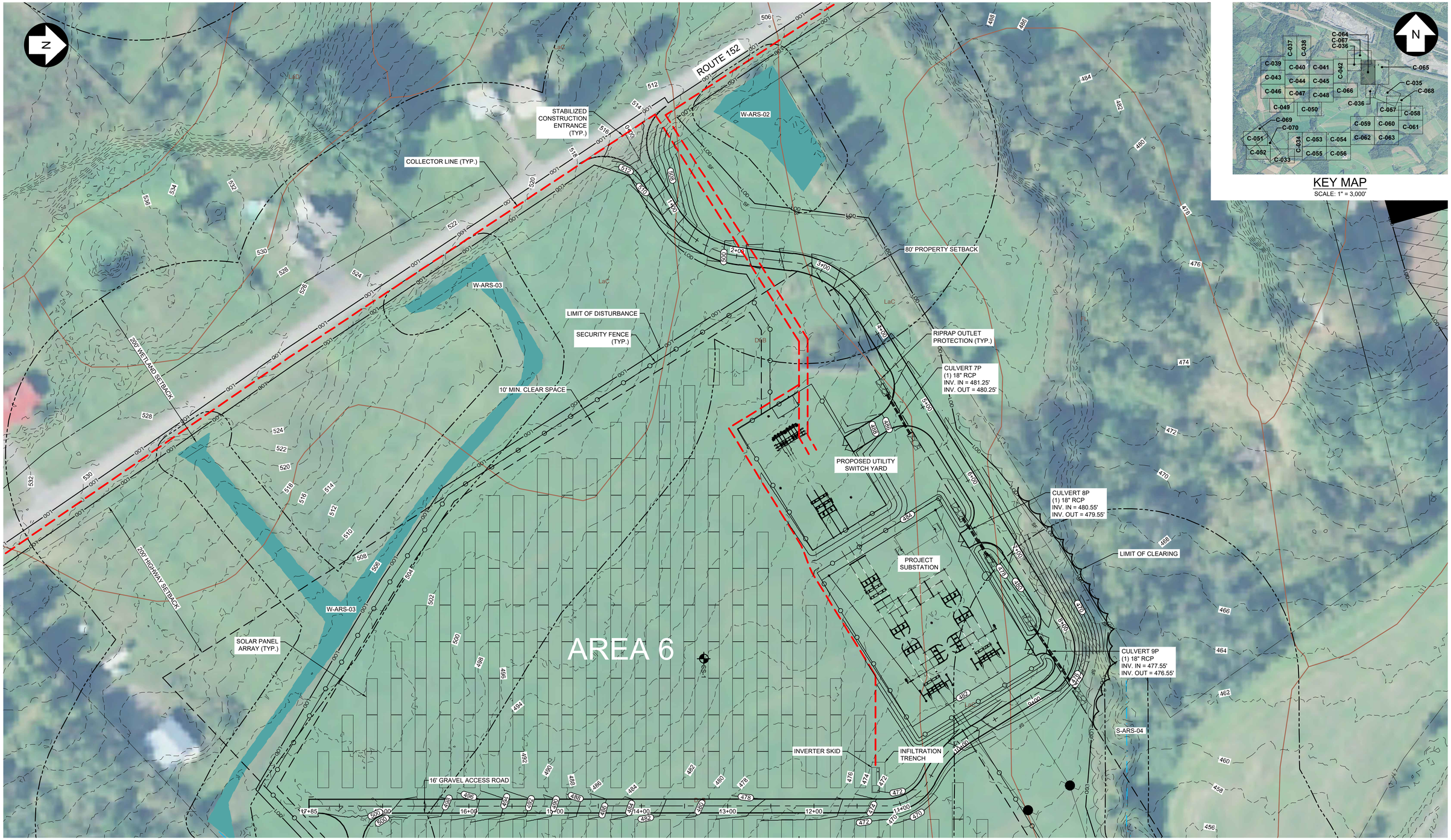
TRC

C-063

REV. G

327851-HIGH RIVER-GRADING 027.dwg 2020.01.31

FOR CONTINUATION, SEE DRAWING C-036



KEY MAP
SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-065

FOR CONTINUATION, SEE DRAWING C-036

327851-HIGH RIVER-GRADING 028.dwg 2020.01.29

50 0 50 100 FT
SCALE: 1" = 50'

PRELIMINARY
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249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
	F	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
	E	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
	D	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
	C	ISSUED FOR CLIENT REVIEW	08-21-19	CMW	PGT	

PGT DESIGNED
SEK DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

04/08 DATE
AS NOTED SCALE

TRC

C-064 REV. F

FOR CONTINUATION, SEE DRAWING C-064

AREA 6

80' PROPERTY SETBACK
10' MIN. CLEAR SPACE
200' ROAD SETBACK
SECURITY FENCE
LIMIT OF DISTURBANCE
200' WETLAND SETBACK
SOLAR PANEL ARRAY (TYP.)
EXISTING OVERHEAD TRANSMISSION LINE
BULLS HEAD ROAD
S-ARS-02
S-ARS-03
W-ARS-04
I-90

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.

50 0 50 100 FT
SCALE: 1" = 50'

PRELIMINARY
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249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REFERENCE ITEMS

REV	DESCRIPTION	DATE	DES	CHK	APP
F	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
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C	ISSUED FOR CLIENT REVIEW	08-21-19	CMW	PGT	

PGT DESIGNED
SEK DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

04/08 DATE
AS NOTED SCALE

TRC

C-065

REV. F

327851-HIGH RIVER-GRADING 029.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-042

FOR CONTINUATION, SEE DRAWING C-045

FOR CONTINUATION, SEE DRAWING C-048

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.

50 0 50 100 FT
SCALE: 1" = 50'

PRELIMINARY
NOT FOR CONSTRUCTION

REFERENCE ITEMS	

REV	DESCRIPTION	DATE	DES	CHK	APP
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E	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
D	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
C	ISSUED FOR CLIENT REVIEW	08-21-19	CMW	PGT	

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

PGT DESIGNED
SEK DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

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

04/08 DATE
AS NOTED SCALE

TRC

C-066

REV. F

327851-HIGH RIVER-GRADING 030.dwg 2020.01.29

Tax Map ID No. 73.0-1-38

Lands Now or Formerly of
GEORGE D. KIRKER, JR. AND
SAMANTHA J. KIRKER
Book 1381 Page 206
Tax Map ID No. 73.0-1-36

PROJECT LAYDOWN AREA

Lands Now or Formerly of
BEATRICE L. PERSONS AND
CHRISTOPHER R. PERSONS
Book 420 Page 209
Tax Map ID No. 73.01-35

PARKING AREA

BEYER ROAD

STABILIZED
CONSTRUCTION
ENTRANCE

Lands Now or Formerly of
JOHN W. LITTLE, JR. AND
PATRICIA L. LITTLE
Book 411 Page 63

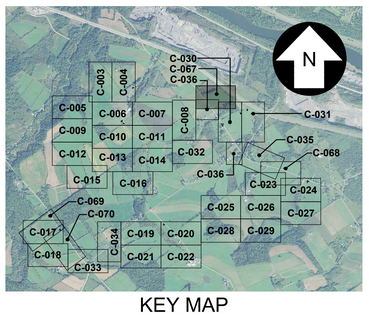
LOD

FOR CONTINUATION, SEE DRAWING C-008

FOR CONTINUATION, SEE DRAWING C-030

FOR CONTINUATION, SEE DRAWING C-036

FOR CONTINUATION, SEE DRAWING C-030



KEY MAP
SCALE: 1" = 3,000'

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50 0 50 100 FT
SCALE: 1" = 50'

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Augusta, ME 04330

PROJECT NO: 327851

REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
	A	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	

PGT DESIGNED
CMW DRAWN
CHECKED
APPROVED
REVIEW 1
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UPDATED LAYOUT
PROJECT LAYDOWN AREA
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
FLORIDA MONTGOMERY CO., NY

04/08 DATE
AS NOTED SCALE

TRC

C-067 REV. A

327851-HIGH RIVER-SITE 039.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-035

Lands Now or Formerly of
MATTHEW J. MCELHONE
Instrument No. 2016-65866
Tax Map ID No. 73.0-1-42

N

LOD

ROUTE 152

PARKING AREA

NOTE:
LAYDOWN/PARKING AREA TO BE ACCESSED VIA PERSONS ROAD AND INTERIOR ACCESS ROADS.

PROJECT LAYDOWN AREA

16' GRAVEL ACCESS ROAD

SOLAR PANEL ARRAY (TYP.)

SECURITY FENCE

10' MIN. CLEAR SPACE

48+35

48+00

47+00

46+00

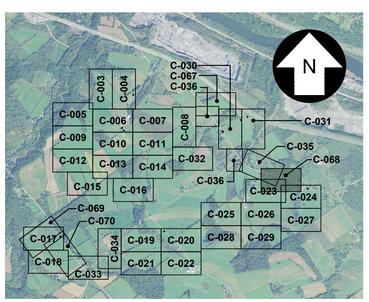
45+00

44+00

Lands Now or Formerly of
REBECCA S. SHANLEY AND
PETER D. GOGIS, Trustees of the
Gladys H. Gogis Irrevocable Trust
Instrument No. 2012-46350
Tax Map ID No. 89.0-1-10

W-AJF-04

AREA 5



KEY MAP
SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-023

FOR CONTINUATION, SEE DRAWING C-024

FOR CONTINUATION, SEE DRAWING C-024

50 0 50 100 FT
SCALE: 1" = 50'

PRELIMINARY
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TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REFERENCE ITEMS	REV	DESCRIPTION	DATE	DES	CHK	APP
	A	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	

PGT DESIGNED
CMW DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

UPDATED LAYOUT
PROJECT LAYDOWN AREA
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
FLORIDA MONTGOMERY CO., NY

04/08 DATE
AS NOTED SCALE

TRC

C-068

REV. A

327851-HIGH RIVER-SITE 040.dwg 2020.01.29

SECURITY FENCE

10' MIN. CLEAR SPACE

LOD

0+00

1+00

2+00

3+00

4+00

5+00

6+00

PROJECT LAYDOWN AREA

THAYER RD.

SOLAR PANEL ARRAY (TYP.)

INVERTER SKID (TYP.)

PARKING AREA

STABILIZED CONSTRUCTION ENTRANCE

STABILIZED CONSTRUCTION ENTRANCE

16' GRAVEL ACCESS ROAD

26+00

27+00

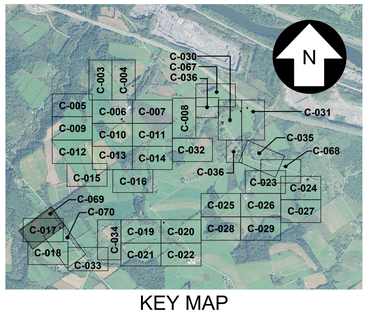
28+00

29+00

30+00

30+23

FOR CONTINUATION, SEE DRAWING C-018



KEY MAP

SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-018

FOR CONTINUATION, SEE DRAWING C-070

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

NOT FOR CONSTRUCTION

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REFERENCE ITEMS

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
A	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	

PGT DESIGNED

CMW DRAWN

CHECKED

APPROVED

REVIEW 1

REVIEW 2

UPDATED LAYOUT
PROJECT LAYDOWN AREA
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
FLORIDA MONTGOMERY CO., NY

04/08 DATE

AS NOTED SCALE

TRC

C-069

REV. A

327851-HIGH RIVER-SITE 041.dwg 2020.01.29

FOR CONTINUATION, SEE DRAWING C-069

FOR CONTINUATION, SEE DRAWING C-033

ER RD.

PARKING AREA

16' GRAVEL ACCESS ROAD

PROJECT LAYDOWN AREA

SOLAR PANEL ARRAY (TYP.)

KAZALA ROAD

LOD

30+00 30+23

29+00

28+00

27+00

26+00

25+00

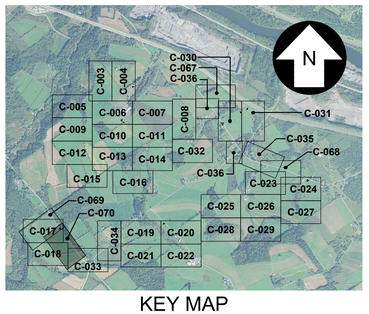
24+00

23+00

22+00

21+00

20+00



KEY MAP

SCALE: 1" = 3,000'

FOR CONTINUATION, SEE DRAWING C-018

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.

50 0 50 100 FT

SCALE: 1" = 50'

PRELIMINARY

NOT FOR CONSTRUCTION

Dig Safely. New York Call 811 before you dig

REFERENCE ITEMS

TRC

249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
A	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	

PGT DESIGNED
CMW DRAWN
CHECKED
APPROVED
REVIEW 1
REVIEW 2

UPDATED LAYOUT
PROJECT LAYDOWN AREA
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
FLORIDA MONTGOMERY CO., NY

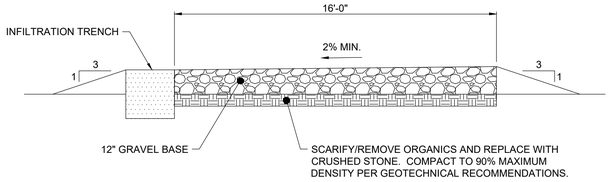
04/08 DATE
AS NOTED SCALE

TRC

C-070

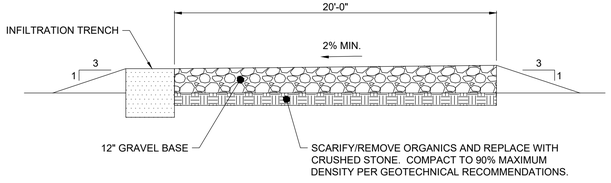
REV. A

327851-HIGH RIVER-SITE 042.dwg 2020.01.29



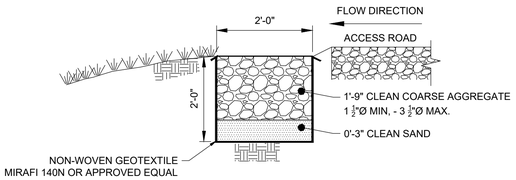
TYPICAL ARRAY ACCESS ROAD SECTION

SCALE: N.T.S.

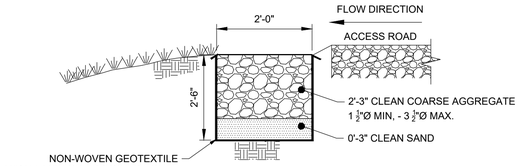


TYPICAL SUBSATION/SWITCH YARD ACCESS ROAD SECTION

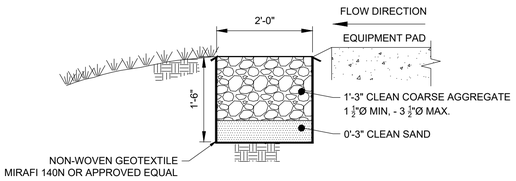
SCALE: N.T.S.



ARRAY ACCESS ROADS



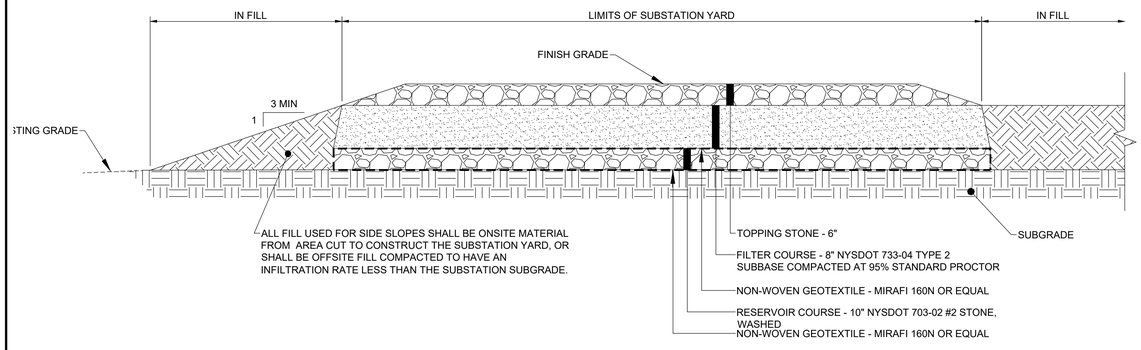
SUBSTATION & SWITCHYARD ACCESS ROADS



EQUIPMENT PADS

INFILTRATION TRENCH DETAILS

SCALE: N.T.S.

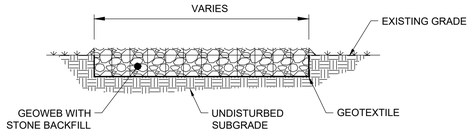


O&M YARD STORMWATER MANAGEMENT NOTES:

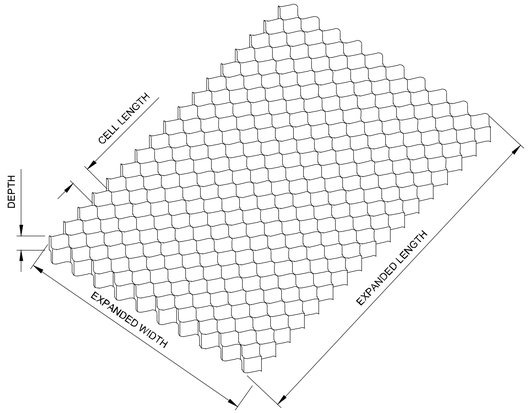
1. THIS ALTERNATIVE STORMWATER MANAGEMENT TYPICAL YARD SECTION IS BASED ON THE SYSTEM DEVELOPED BY NATIONAL GRID IN CONJUNCTION WITH EDR AND APPROVED BY THE STATE OF NEW YORK. THE NATIONAL GRID DISCLAIMER REQUIRED BY THEIR APPROVAL LETTER DATED FEBRUARY 25, 2016 IS INCORPORATED HEREIN BY REFERENCE.
2. 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

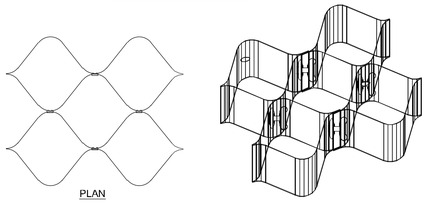
SCALE: N.T.S.



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 - NYSDOT 703-02 COARSE AGGREGATE.
5. TOP DRESS GEOWEB AS NEEDED.

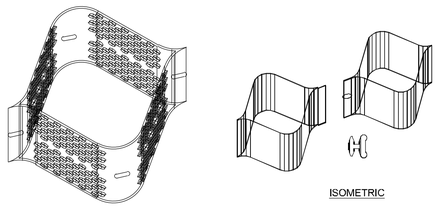


EXPANDED PERSEPECTIVE



PLAN

ISOMETRIC



PERFORATED STRIP WITH I-SLOT

ISOMETRIC

CELLULAR CONFINEMENT SYSTEM - GEOWEB

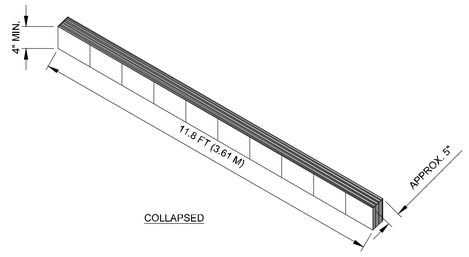
STABILIZED PERVIOUS ROAD SECTION GENERAL NOTES:

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 NYSDOT 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 INTERLEAD 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@PRESTOGEO.COM; WWW.PRESTOGEO.COM



COLLAPSED

STABILIZED PERVIOUS ROAD SECTION

SCALE: N.T.S.

PRELIMINARY
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TRC
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Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
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ESB DRAWN
RAY CHECKED
PMM APPROVED
REVIEW 1
REVIEW 2

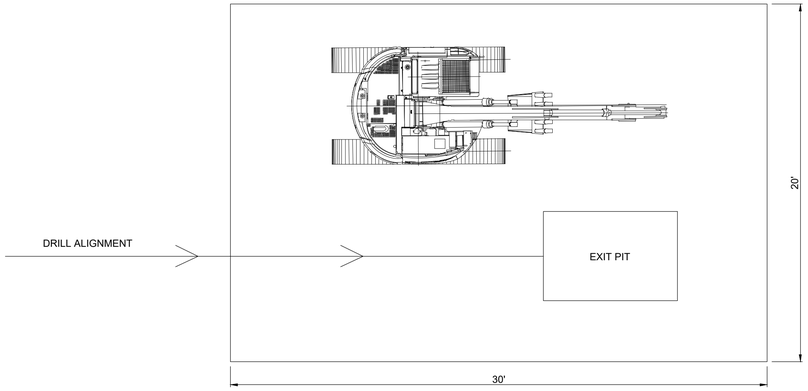
UPDATED LAYOUT
CIVIL DETAILS 1
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
FLORIDA MONTGOMERY CO., NY

04/15 DATE
AS NOTED SCALE

TRC

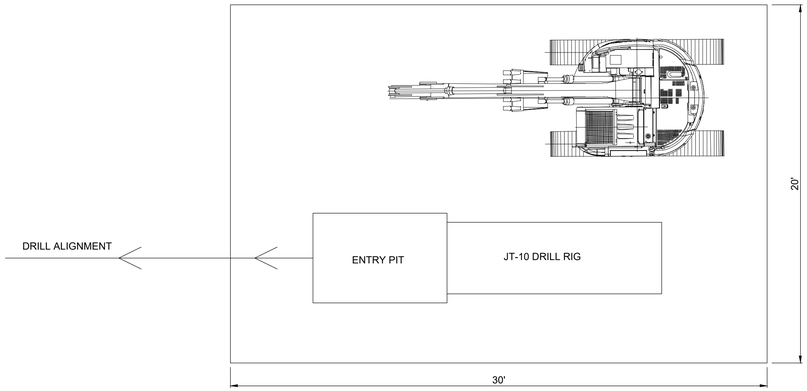
C-071

REV. G



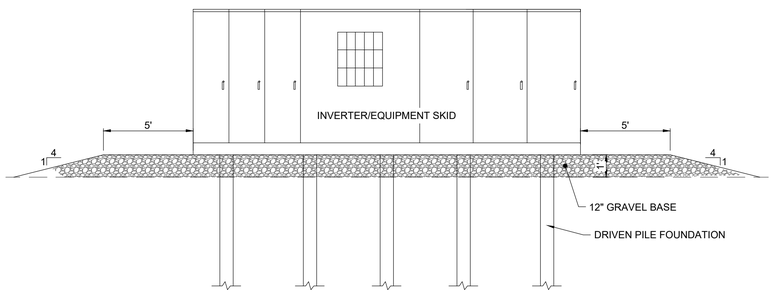
HDD RECEIVING SITE SETUP SCHEMATIC (EXIT PIT)

NOT TO SCALE



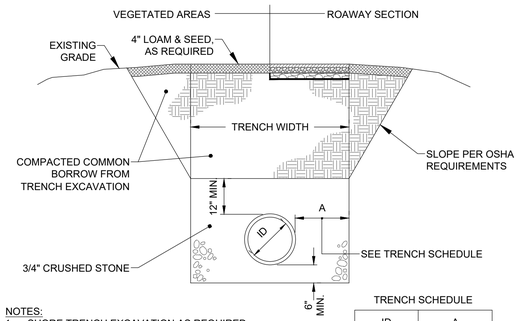
DRILL OPERATION SITE SETUP SCHEMATIC (ENTRY PIT)

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.

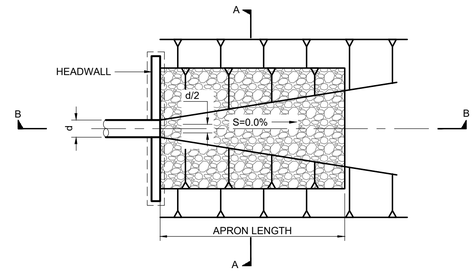
TRENCH SCHEDULE

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

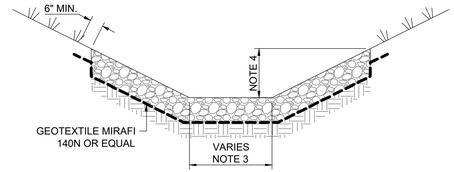
TYPICAL CULVERT PIPE TRENCH DETAIL

NOT TO SCALE

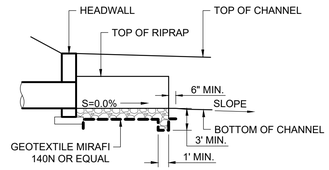
TABLE 1 - RIP RAP OUTLET DIMENSIONS			
CULVERT ID#	DIAMETER	APRON LENGTH	D50 RIPRAP SIZE
1P	(2) 54" RCP	14 FEET	6 INCHES
2P	(2) 48" RCP	20 FEET	6 INCHES
3P	(2) 54" RCP	25 FEET	6 INCHES
4P	(2) 36" RCP	14 FEET	6 INCHES
5P	(2) 54" RCP	20 FEET	6 INCHES
6P	(2) 30" RCP	9 FEET	6 INCHES
7P	18" RCP	9 FEET	6 INCHES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



PLAN VIEW



SECTION A-A



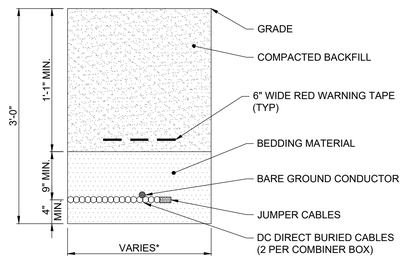
SECTION B-B

NOTES:

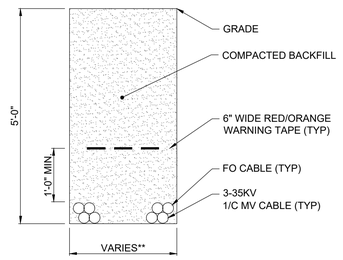
1. CONSTRUCT RIPRAP PROTECTION IN ACCORDANCE WITH NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
2. OUTLET PROTECTION DIMENSIONS TO BE AS INDICATED BY TABLE 1
3. BOTTOM WIDTH VARIES FROM d/2 AT PIPE OUTLET TO FULL CHANNEL WIDTH AT END OF APRON.
4. SIDE SLOPE VARIES FROM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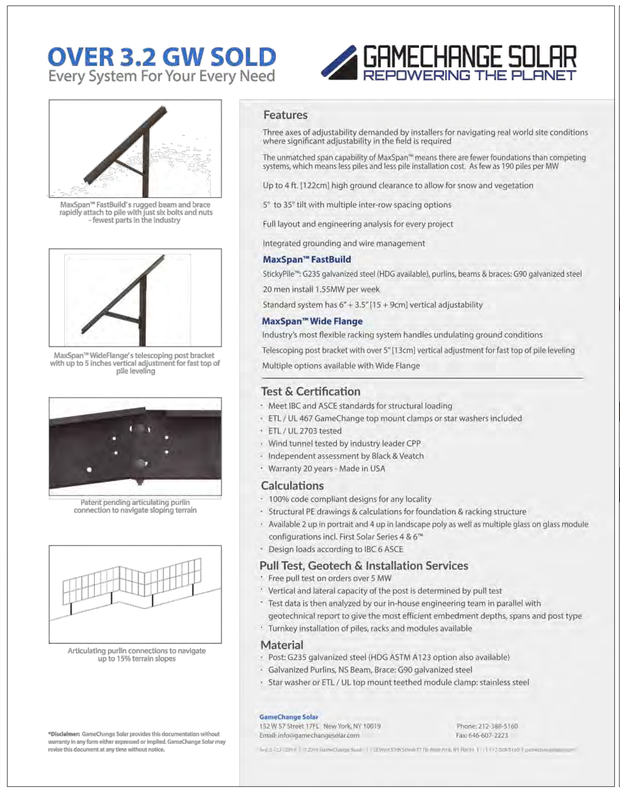

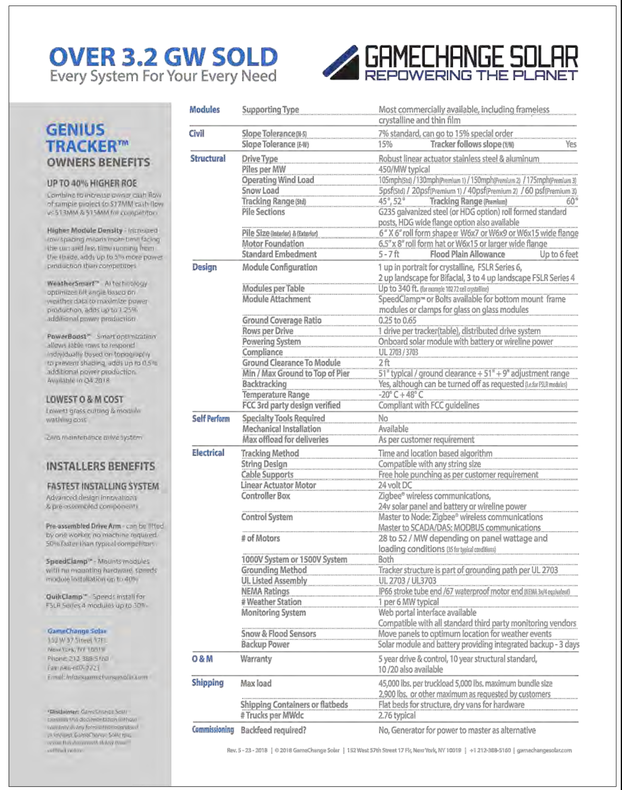

Modules	Supporting Type	Most commercially available, including frameless crystalline and thin film
Civil	Slope Tolerance (N-S)	7% standard, can go to 15% special order
	Slope Tolerance (E-W)	15% **Tracker follows slope (1/N)** Yes
Structural	Drive Type	Robust linear actuator stainless steel & aluminum
	Piles per MW	450/MW typical
	Operating Wind Load	105mph(no) / 130mph(Premium 1) / 150mph(Premium 2) / 175mph(Premium 3)
	Snow Load	5psf(no) / 20psf(Premium 1) / 40psf(Premium 2) / 60 psf(Premium 3)
	Tracking Range (N-S)	45°, 52° **Tracking Range (Premium)** 60°
	Pile Sections	G235 galvanized steel (or HDG option) roll formed standard posts, HDG wide flange option also available
	Pile Size (Interior) & (Exterior)	6" X 6" roll form shape or W6x7 or W6x9 or W8x15 wide flange
	Motor Foundation	6.5" x 8" roll form hat or W8x15 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. (Example 1827 tall installed)
	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 wireline power
	Compliance	UL 2703 / 3703
	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 (i.e for 753 modules)
	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 wireline power
	Control System	Master to Node: Zigbee® wireless communications Master to SCADA/DAS: MODBUS communications
	# of Motors	28 to 52 / MW depending on panel wattage and loading conditions (35 for typical conditions)
	1000V System or 1500V System	Both
	Grounding Method	Tracker structure is part of grounding path per UL 2703
	UL Listed Assembly	UL 2703 / UL3703
	NEMA Ratings	IP66 stroke tube end /67 waterproof motor end (NEMA 3x4 equivalent)
	# Weather Station	1 per 6 MW typical
	Monitoring System	Web portal Interface available Compatible with all standard third party monitoring vendors
	Snow & Flood Sensors	Move panels to optimum location for weather events
	Backup Power	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 2,500 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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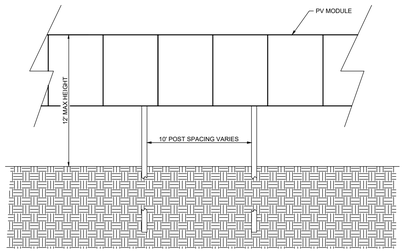
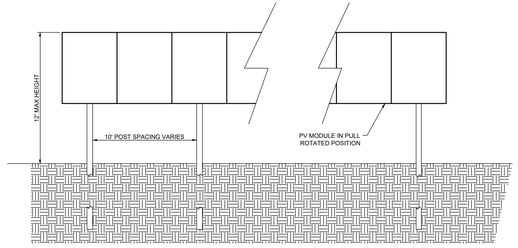
GROUND MOUNTED FIXED PANEL RACKING DETAIL

SCALE: NTS



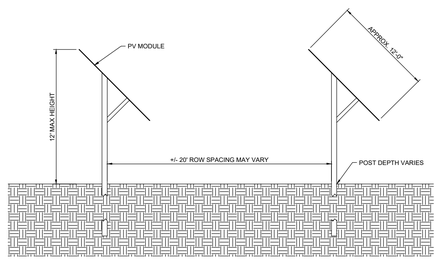
FIXED PANEL RACK ELEVATION DETAIL

SCALE: NTS



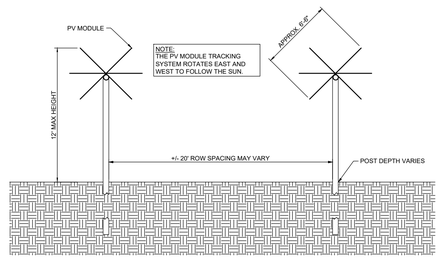
TRACKER RACK ELEVATION DETAIL

SCALE: NTS



FIXED PANEL RACK SECTION DETAIL

SCALE: NTS



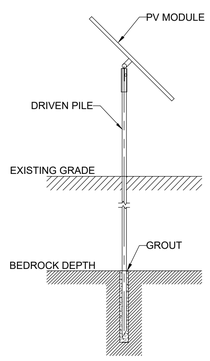
TRACKER RACK SECTION DETAIL

SCALE: NTS

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

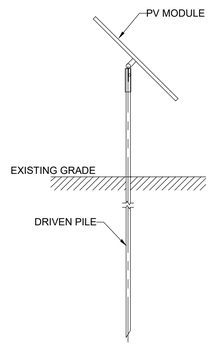
GROUND MOUNTED TRACKER PANEL RACKING DETAIL

SCALE: NTS



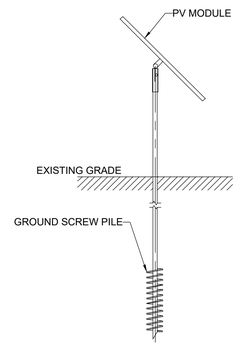
TYPICAL GROUTED PILE

NOT TO SCALE



TYPICAL DRIVEN PILE

NOT TO SCALE



TYPICAL GROUND SCREW PILE WITH CAP DETAIL

NOT TO SCALE

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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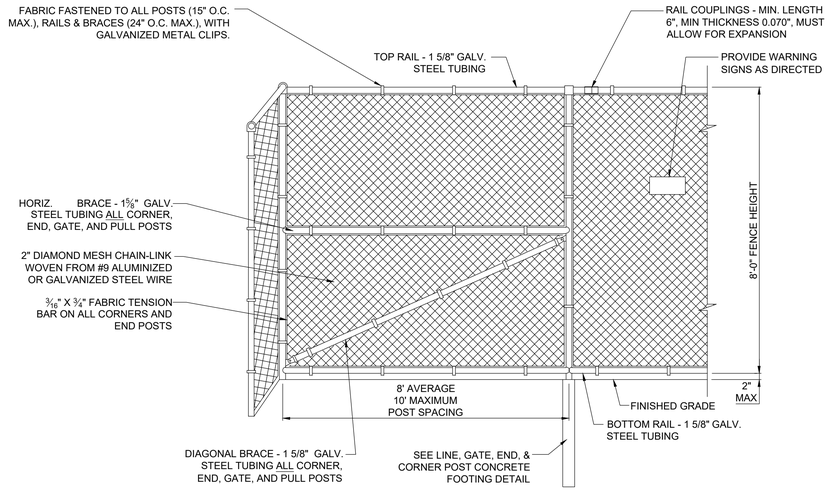
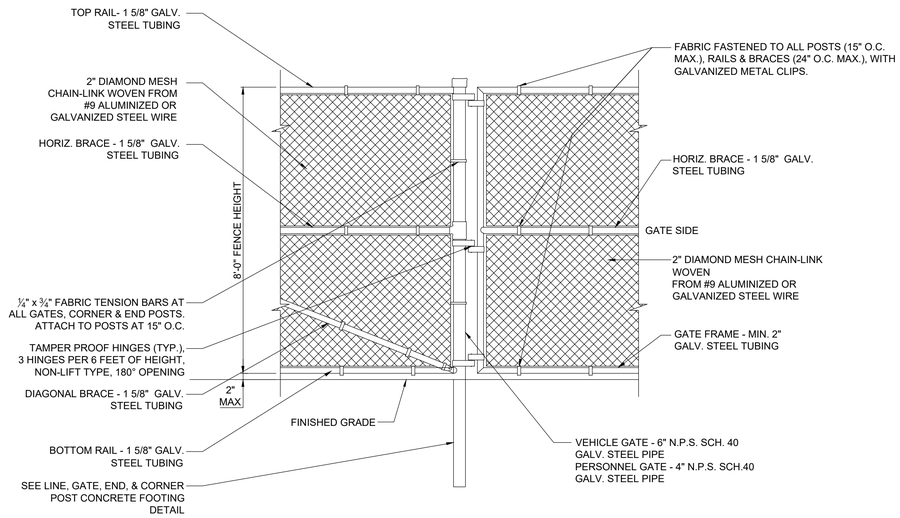


ARRAY FENCE DETAILS

NOT TO SCALE



ARRAY GATE FRAME DETAIL

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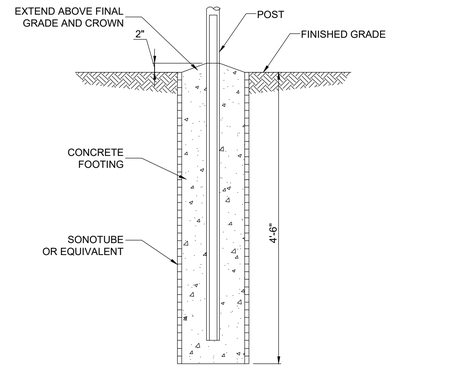
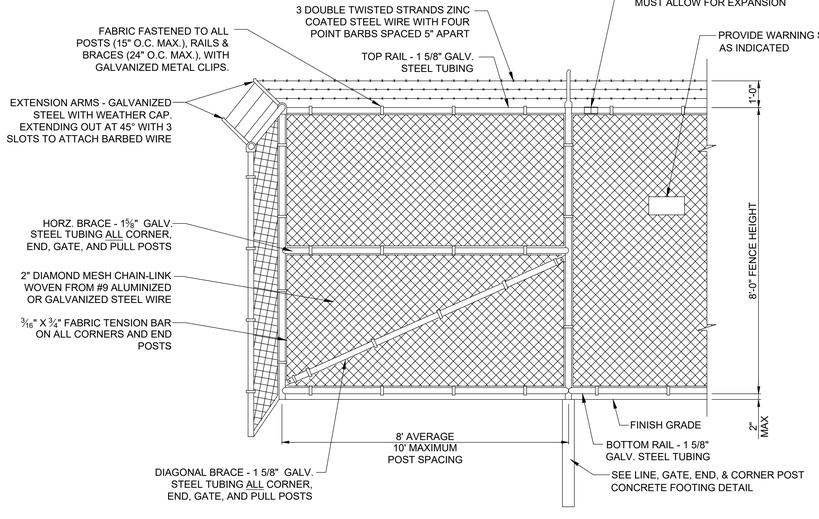


POST USE	LINE	VEHICLE GATE	PERSONNEL GATE	CORNER	END
NOMINAL PIPE SIZE (INCHES)	3	6	4	4	4
SONOTUBE SIZE (INCHES)	12	24	24	12	12

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

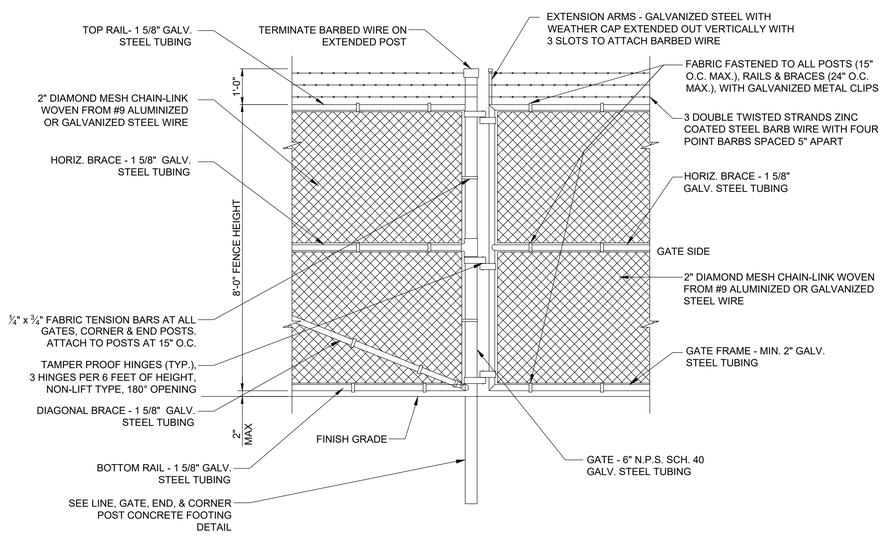
LINE, GATE, END, & CORNER POST CONCRETE FOOTING DETAIL

NOT TO SCALE



SUBSTATION FENCE DETAILS

NOT TO SCALE



SUBSTATION GATE FRAME DETAIL

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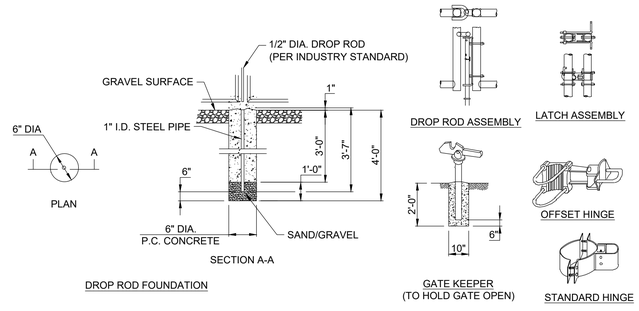

ACCESS GATE DETAILS

NOT TO SCALE

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

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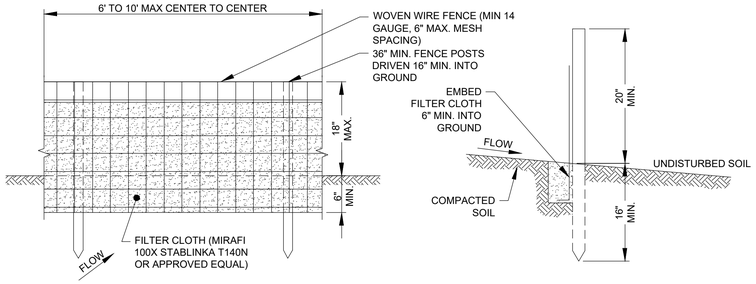


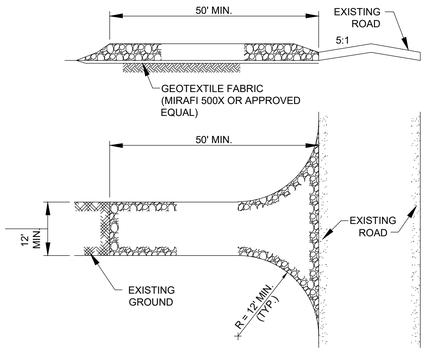
ELEVATION

SECTION

1. WOVEN WIRE FENCE SHALL BE FASTENED TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH SHALL BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MIDSECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BUILD-UP REACHES ⅓ THE HEIGHT OF THE FENCE.

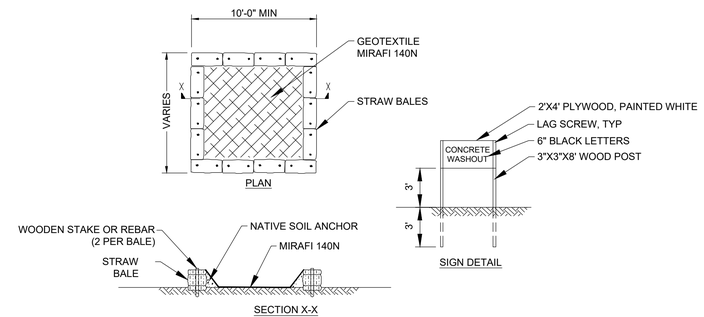
POSTS:	STEEL "T" OR "U" TYPE OR 2" HARDWOOD.
FENCE:	WOVEN WIRE. 14½ GA 6" MAX MESH OPENING.
FILTER CLOTH:	FILTER X, MIRAFI 100X. STABLINKA T140N OR APPROVED EQUAL.
PREFABRICATED UNIT:	ENVIROFENCE OR APPROVED EQUAL

SILT FENCE DETAILS
SCALE: N.T.S.



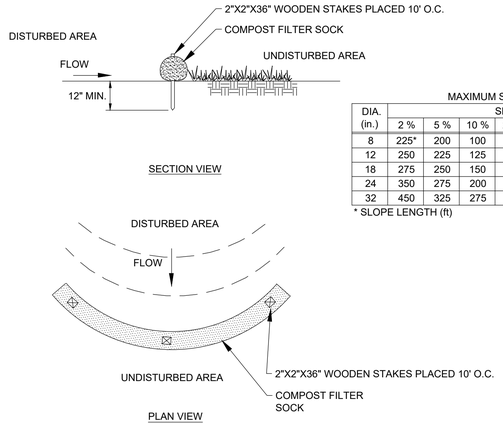
1. STONE SIZE - USE 1" - 4" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - NOT LESS THAN 50 FEET.
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TWELVE (12) FOOT MIN. BUT NOT LESS THAN THE FULL ROAD WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. PROVIDE TWENTY-FOUR (24) FOOT WIDTH IF THERE IS ONLY A SINGLE ENTRANCE TO SITE.
5. GEOTEXTILE - SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
6. 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.
7. 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.
8. 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:
1. SUMP(S) SHALL BE LOCATED NEAR WORK SITES BUT SHALL BE PLACED AS FAR AWAY FROM WETLANDS, BUFFERS AND DRAINAGE SWALES AS PRACTICAL.
2. SUMP(S) SHALL BE CLEANED AND WASTE CONCRETE REMOVED AND PROPERLY DISPOSED OF PERIODICALLY AND UPON COMPLETION OF WORK.

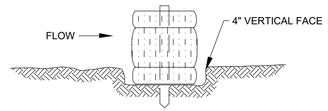
TYPICAL CONCRETE WASHOUT
SCALE: N.T.S.



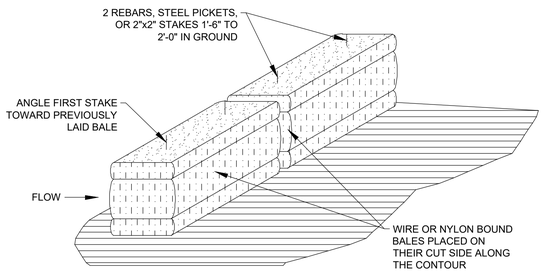
DIA. (in.)	MAXIMUM SLOPE LENGTH SLOPE 2 %	5 %	10 %	20 %	25 %	33 %	50 %
8	225*	200	100	50	20	--	--
12	250	225	125	65	50	40	25
18	275	250	150	70	55	45	30
24	350	275	200	130	100	60	35
32	450	325	275	150	120	75	50

* SLOPE LENGTH (ft)

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



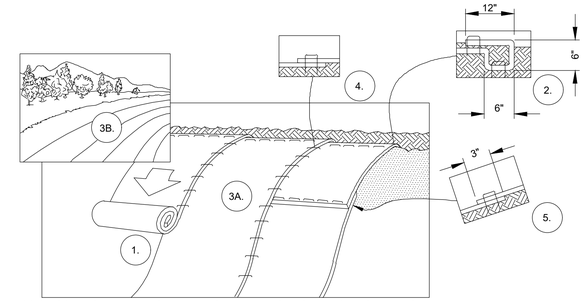
EMBEDDING DETAIL



ANCHORING DETAIL

NOTES:
1. BALES SHALL BE PLACED IN A ROW AT THE TOE OF A SLOPE OR ON THE CONTOUR, WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. 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.
4. INSPECTIONS SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULLNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

STRAW BALE BARRIER
SCALE: N.T.S.

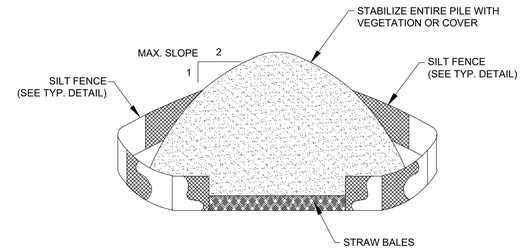


EROSION CONTROL BLANKET SHALL BE NORTH AMERICAN GREEN S150 OR APPROVED EQUAL.

1. 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.
2. 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.
3. 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.
4. 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.
5. 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.



INSTALLATION NOTES:
1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 2H:1V.
3. 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.

PRELIMINARY
NOT FOR CONSTRUCTION

Call 811 Before You Dig

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
H	ISSUED FOR PERMITTING	01-29-10	CMW	PGT	
G	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
F	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
E	ISSUED FOR CLIENT REVIEW	08-21-19	CMW	PGT	

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

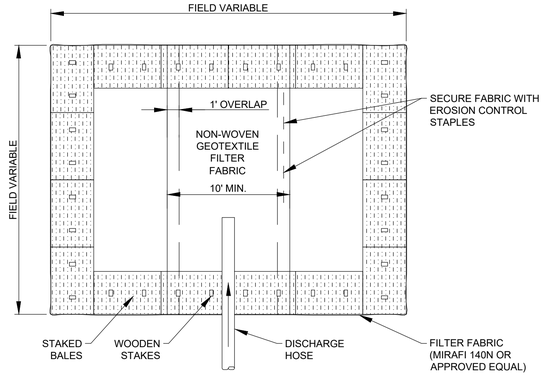
UPDATED LAYOUT
EROSION & SEDIMENTATION CONTROL DETAILS 1
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
FLORIDA MONTGOMERY CO., NY

TRC

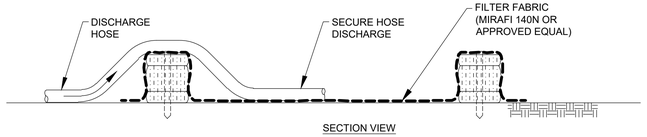
C-075

REV. H

327851-HIGH RIVER-DET 005.dwg 2020.01.29



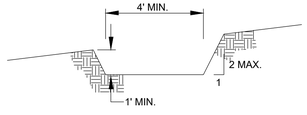
PLAN VIEW



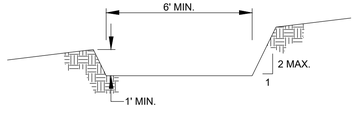
SECTION VIEW

NOTES:
1. NUMBER OF BALES MAY VARY DEPENDING ON SITE CONDITIONS.
2. THE BASIN SHALL BE SIZED TO PREVENT DISCHARGE WATER FROM OVERTOPPING BASIN.
3. KEEP AS FAR FROM WETLANDS AS PRACTICAL.
4. CLEAN AND REMOVE AS SOON AS DEWATERING IS COMPLETE.

TYPICAL DEWATERING BASIN
SCALE: N.T.S.



SECTION VIEW
SWALE TYPE A (5 AC OR LESS)



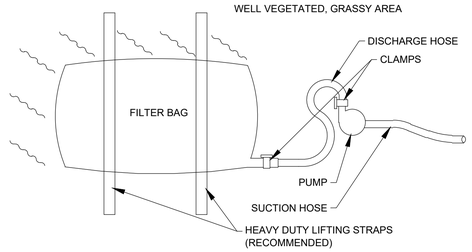
SECTION VIEW
SWALE TYPE B (GREATER THAN 5 AC)

NOTES:
1. ALL CONSTRUCTION DITCHES SHALL HAVE UNINTERUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTUBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT A NON-EROSIVE VELOCITY.
4. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTION OF THE DITCH.
5. DITCHES SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH IMPEDE NORMAL FLOW.
6. FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
7. ALL EXCAVATED MATERIAL NOT NEEDED FOR CONSTRUCTION SHALL BE PLACED SUCH THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE DITCH.
8. STABILIZATION SHALL BE AS PER THE FLOW CHANNEL STABILIZATION CHART BELOW:

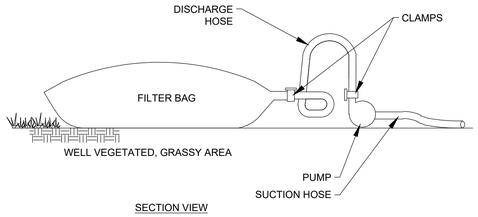
CHANNEL GRADE	TYPE A DITCH (5 AC OR LESS)	TYPE B DITCH (GREATER THAN 5 AC)
0.5-3.0%	SEED & STRAW MULCH	SEED & STRAW MULCH
3.1-5.0%	SEED & STRAW MULCH	SEED AND COVER W/ RECP
5.1-8.0%	SEED AND COVER W/ RECP	LINED 4-8" RIP RAP OR GEOTEXTILE
8.1-10%	LINED 4-8" RIP RAP OR GEOTEXTILE	ENGINEERED DESIGN

9. INSPECT AND PROVIDE MAINTENANCE AFTER EACH RAIN EVENT.
10. FIGURE IS BASED ON NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

TEMPORARY SWALE DETAIL
SCALE: N.T.S.



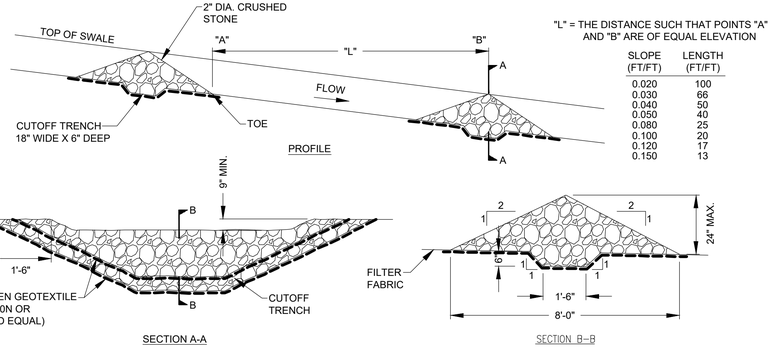
PLAN VIEW



SECTION VIEW

NOTES:
1. THE GEOTEXTILE MATERIAL USED TO CONSTRUCT THE FILTER BAG SHALL MEET OR EXCEED THE SPECIFICATIONS PROVIDED IN THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL - 2016" OR LATEST EDITION. THE BAG SHALL BE SEWN WITH A DOUBLE NEEDLE MACHINE USING HIGH STRENGTH DOUBLE STICHED "J" TYPE SEAMS (ASTM D4884).
2. GEOTEXTILE FILTER BAGS SHALL BE SIZED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS BASED ON THE PUMP DISCHARGE RATE.
3. A SUITABLE MEANS OF ACCESSING THE BAG WITH MACHINERY REQUIRED FOR DISPOSAL PURPOSES MUST BE PROVIDED. FILTER BAGS SHALL BE REPLACED WHEN THEY BECOME 75% FULL. THE ACCUMULATED SEDIMENT DISPOSAL SHALL BE MANAGED IN CONFORMANCE WITH THE PROJECT SWPPP.
4. SPARE BAGS SHALL BE KEPT AVAILABLE FOR REPLACEMENT OF THOSE THAT HAVE FAILED OR ARE FILLED. IT IS RECOMMENDED THAT BAGS BE PLACED ON STRAPS AS SHOWN TO FACILITATE REMOVAL.
5. BAGS SHALL BE LOCATED IN A WELL-VEGETATED (GRASSY) AREA AND DISCHARGE ONTO STABLE, EROSION RESISTANT AREAS. WHERE THIS IS NOT POSSIBLE, A GEOTEXTILE UNDERLAYMENT AND FLOW PATH SHALL BE PROVIDED. BAGS MAY BE PLACED ON FILTER STONE TO INCREASE THEIR DISCHARGE CAPACITY.
6. BAGS SHALL NOT BE PLACED ON SLOPES GREATER THAN 5%. FOR SLOPES EXCEEDING 5%, CLEAN ROCK OR OTHER NON-ERODIBLE AND NON-POLLUTING MATERIAL MAY BE PLACED UNDER THE BAG TO REDUCE SLOPE STEEPNESS.
7. BAGS SHALL NOT BE PLACED WITHIN 50 FEET OF WETLANDS, STREAMS, OR OTHER SURFACE WATERS.
8. NO DOWNSLOPE SEDIMENT BARRIER IS REQUIRED FOR MOST INSTALLATIONS. A COMPOST FILTER SOCK SHALL BE INSTALLED BELOW BAGS PLACED WHERE A GRASSY AREA IS NOT AVAILABLE. A COMPOST FILTER SOCK MUST BE PLACED BELOW ANY BAG DISCHARGING TO A SPECIAL PROTECTION SURFACE WATER.
9. THE PUMP DISCHARGE HOSE SHALL BE INSERTED INTO THE BAGS IN THE MANNER SPECIFIED BY THE MANUFACTURER AND SECURELY CLAMPED. A PIECE OF PVC PIPE IS RECOMMENDED FOR THIS PURPOSE.
10. THE PUMPING RATE SHALL BE NO GREATER THAN 750 GPM OR 50 PERCENT OF THE MAXIMUM RATE SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS. PROVIDE FLOATING SUCTION SCREENS AT THE WATER SOURCE.
11. FILTER BAGS SHALL BE INSPECTED DAILY. IF ANY PROBLEM IS DETECTED, PUMPING SHALL CEASE IMMEDIATELY AND NOT RESUME UNTIL THE PROBLEM IS CORRECTED.

SEDIMENT FILTER BAG
SCALE: N.T.S.



PROFILE

SECTION A-A

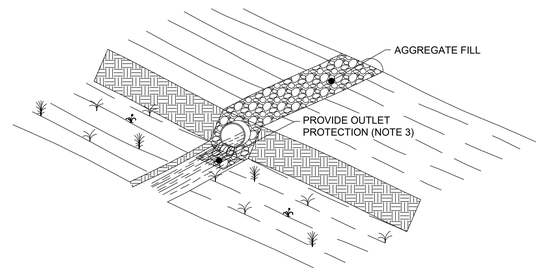
SECTION B-B

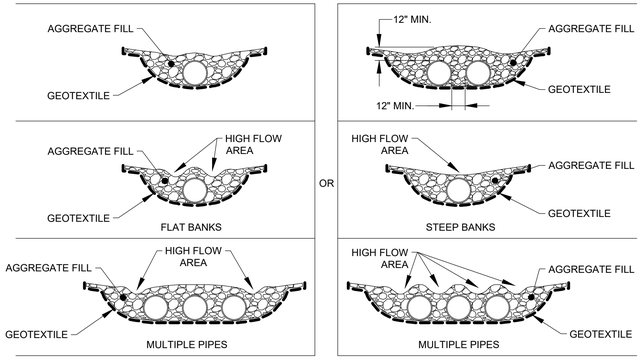
"L" = THE DISTANCE SUCH THAT POINTS "A" AND "B" ARE OF EQUAL ELEVATION

SLOPE (FT/FT)	LENGTH (FT/FT)
0.020	100
0.030	66
0.040	50
0.050	40
0.080	25
0.100	20
0.120	17
0.150	13

NOTE: INSTALL WHERE INDICATED ON SITE GRADING PLAN AND AS NEEDED BY SPACING REQUIREMENTS.

TYPICAL CHECK DAM DETAIL
SCALE: N.T.S.

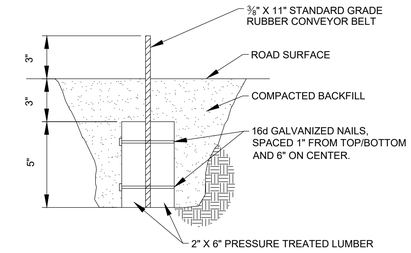




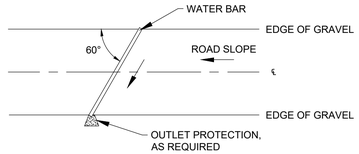
NOTES:
1. AGGREGATE FILL SHALL BE NYDOT COURSE AGGREGATE DESIGNATION NO. 4 (2 TO 4 INCH) STONE, OR APPROVED EQUAL.
2. GEOTEXTILE SHALL BE MIRAFI 140N OR APPROVED EQUAL.
3. PROVIDE OUTLET PROTECTION IN ACCORDANCE WITH REQUIREMENTS OF NY STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

TEMPORARY CULVERT
SCALE: N.T.S.

WATER BAR SPACING CRITERIA	
ROAD SLOPE	SPACING (FT)
< 5%	125
5%-10%	100
10%-20%	75
20%-35%	50
> 35%	25



SECTION VIEW



PLAN VIEW

TEMPORARY WATER BAR
SCALE: N.T.S.

PRELIMINARY
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Call 811 before you dig

TRC
249 Western Avenue
Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	CMW	PGT	

PGT DESIGNED
ESB DRAWN
RAY CHECKED
PMM APPROVED
REVIEW 1
REVIEW 2

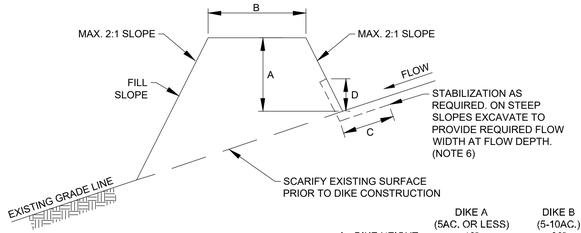
UPDATED LAYOUT
EROSION & SEDIMENTATION CONTROL DETAILS 2
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
FLORIDA MONTGOMERY CO., NY

04/15 DATE
AS NOTED SCALE

TRC

C-076

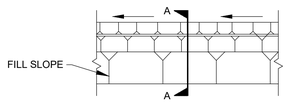
REV. G



SECTION A-A

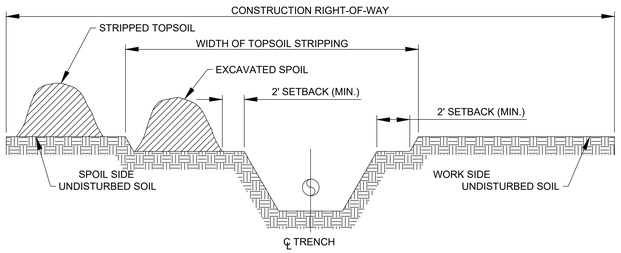
	DIKE A (5AC. OR LESS)	DIKE B (5-10AC.)
A - DIKE HEIGHT	18"	36"
B - DIKE WIDTH	24"	36"
C - FLOW WIDTH	48"	72"
D - FLOW DEPTH	8"	15"

POSITIVE DRAINAGE-GRADE SUFFICIENT TO DRAIN

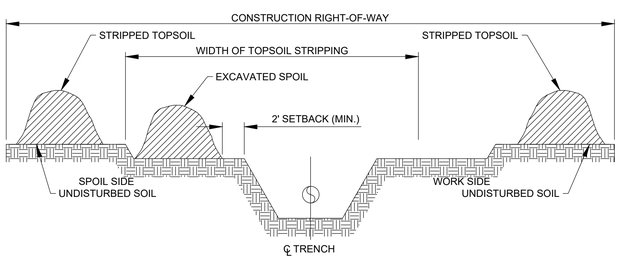


NOTES:
1. DIKES SHALL BE COMPACTED TO NOT LESS THAN THE IN-SITU SOIL DENSITY.
2. PROVIDE POSITIVE DRAINAGE TO AN APPROVED, STABILIZED OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES FLATTER AS REQUIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED OUTLET.
5. 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.
6. PROVIDE FLOW CHANNEL STABILIZATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (2016)".

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



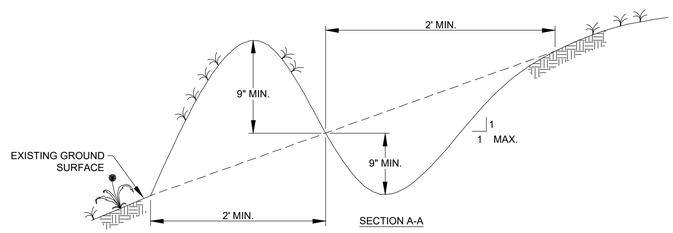
DITCH PLUS SPOILSIDE TOPSOIL SEGREGATION



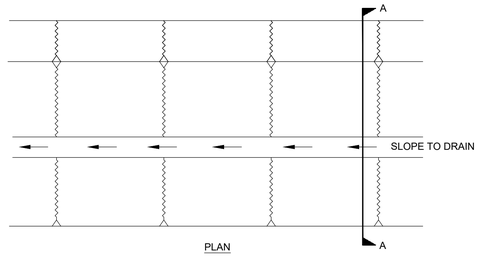
FULL RIGHT-OF-WAY TOPSOIL STRIPPING

NOTES:
1. TOPSOIL MAY BE STORED IN LOCATIONS AS SHOWN ABOVE, OR AT OTHER COMPANY APPROVED LOCATIONS WITHIN THE CONSTRUCTION R.O.W.
2. LEAVE GAPS IN SPOIL PILES FOR WATER RUN-OFF.
3. 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.



SECTION A-A

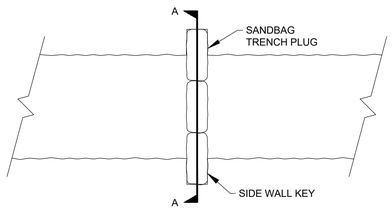


PLAN

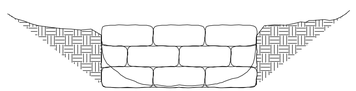
NOTES:
1. ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSION VELOCITY.
4. THE 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".
5. 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.
6. PROVIDE PERIODIC INSPECTION AND REQUIRED MAINTENANCE AFTER EACH RAIN EVENT.

MAX. DRAINAGE AREA LIMIT= 2 ACRES

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



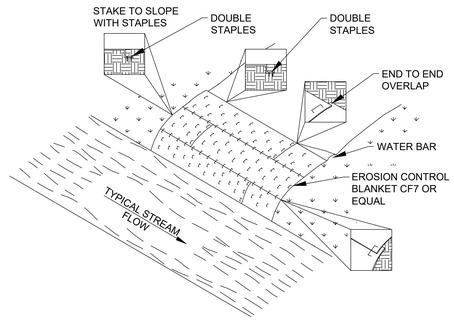
PLAN VIEW



SECTION A

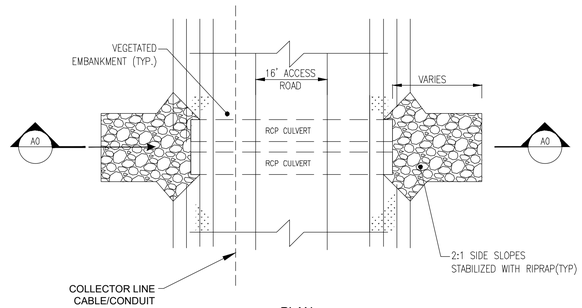
NOTES:
1. AFTER TRENCH EXCAVATION TO EDGE OF STREAM, HAND DRESS BOTTOM OF TRENCH IN VICINITY OF PLANNED PLUG CONSTRUCTION.
2. EXCAVATE KEY INTO TRENCH SIDE WALL. EXCAVATE TO PROVIDE VERTICAL SURFACE NOT LESS THAN 6" INTO BANK.
3. CONSTRUCT SANDBAG TRENCH PLUG USING SANDBAGS FILLED WITH CLEAN, FINE SAND.
4. BACK FILL KEY WAY TO PROVIDE COMPACTED NATIVE SOIL AGAINST SANDBAGS.
5. BACK FILL TRENCH CONCURRENT WITH CABLE PLACEMENT. REMOVE SANDBAG TRENCH PLUG AS CABLE IS PLACED.
6. 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.

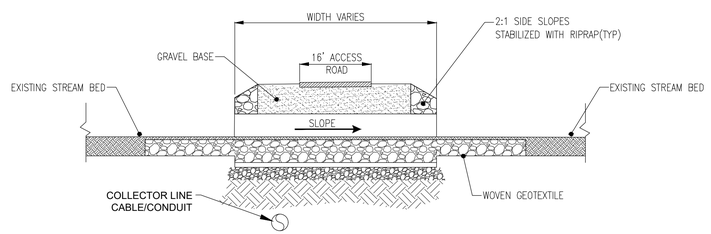


NOTES:
1. EROSION CONTROL MATTING SHALL BE PLACED ON THE BANKS OF FLOWING STREAMS WHERE VEGETATION HAS BEEN REMOVED OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
2. THE EROSION CONTROL MATTING SHALL MEET THE REQUIREMENTS SPECIFIED IN THE "NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" - 2016 AND/OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
3. 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.
4. MATTING SHALL BE INSTALLED ACCORDING TO MANUFACTURER SPECIFICATIONS OR AS FOLLOWS:
   - 4.1. 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.
   - 4.2. INSTALL BLANKET(S) ACROSS THE SLOPE IN THE DIRECTION OF WATER FLOW.
   - 4.3. 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.
   - 4.4. 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.
   - 4.5. 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.
   - 4.6. 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".
   - 4.7. STAPLE DOWN THE CENTER OF THE BLANKET(S), THREE STAPLES IN EVERY SQUARE YARD.
5. 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.
6. MONITOR FOR WASHOUTS, STAPLE INTEGRITY OR MAT MOVEMENT. REPLACE OR REPAIR AS NECESSARY.

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



PLAN



SECTION A

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

PRELIMINARY
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Augusta, ME 04330

PROJECT NO: 327851

REV	DESCRIPTION	DATE	DES	CHK	APP
G	ISSUED FOR PERMITTING	01-29-20	CMW	PGT	
F	REVISED PER ARTICLE 10 COMMENTS	01-24-20	CMW	PGT	
E	ISSUED FOR ARTICLE 10 SUBMISSION	09-12-19	CMW	PGT	
D	ISSUED FOR CLIENT REVIEW	08-21-19	CMW	PGT	

PGT DESIGNED
ESB DRAWN
RAY CHECKED
PMM APPROVED
REVIEW 1
REVIEW 2

UPDATED LAYOUT
EROSION & SEDIMENTATION CONTROL DETAILS 3
HIGH RIVER ENERGY CENTER
HIGH RIVER ENERGY CENTER, LLC
FLORIDA MONTGOMERY CO., NY

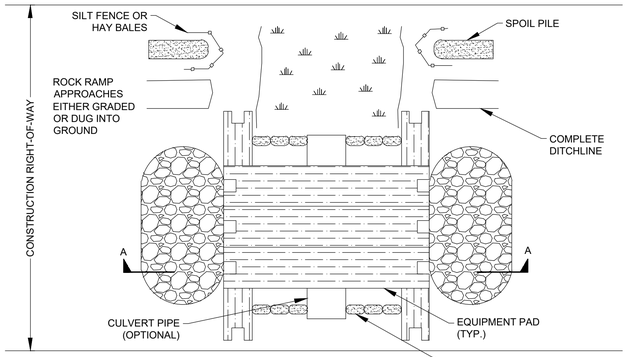
04/15 DATE
AS NOTED SCALE

TRC

C-077

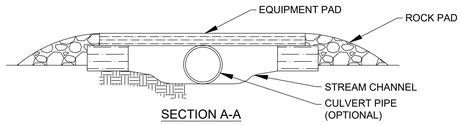
REV. G

327851-HIGH RIVER-DET 007.dwg 2020.01.29



PLAN VIEW

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

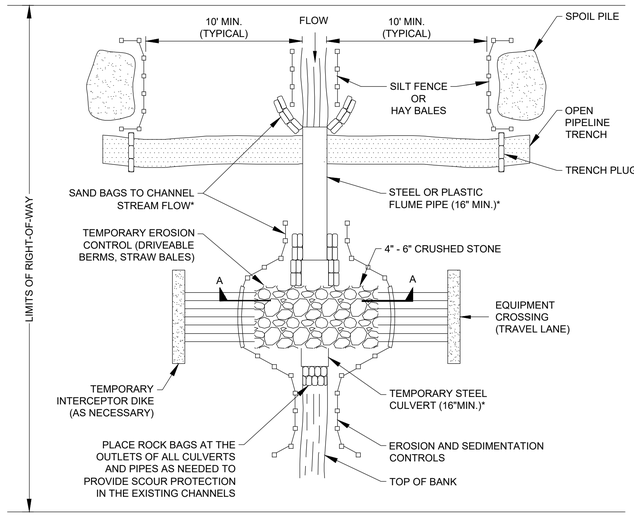


SECTION A-A

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.



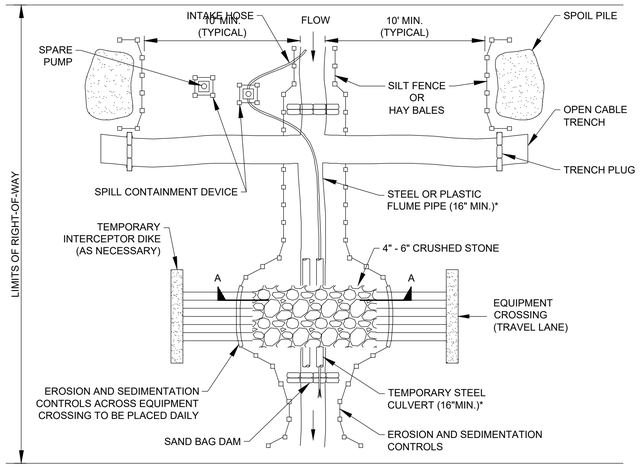
PLAN VIEW

SECTION A-A

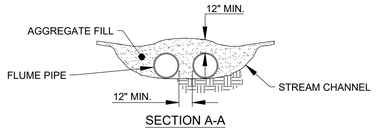
* IF WELDED PIPE IS USED SAND BAGS AT JOINTS NOT REQUIRED. ACTUAL NUMBERS OF FLUMES AND CULVERT PIPE REQUIRED TO BE DETERMINED BY STREAM WIDTH.

TYPICAL FLUMED STREAM CROSSING

SCALE: N.T.S.



PLAN VIEW

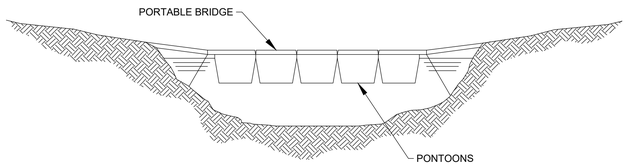


SECTION A-A

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

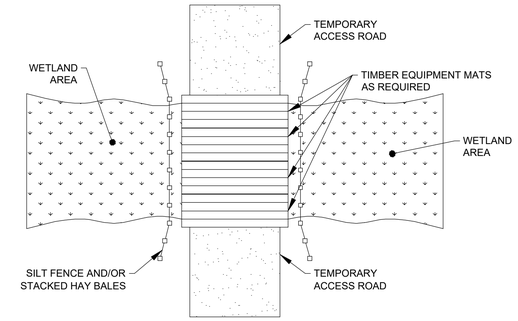
SCALE: N.T.S.



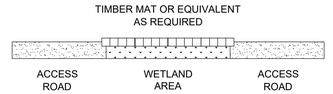
NOTES:
1. STABILIZE EDGES WITH SANDBAGS OR STONE.
2. REMOVE BRIDGE DURING CLEANUP.

TEMPORARY EQUIPMENT BRIDGE

SCALE: N.T.S.



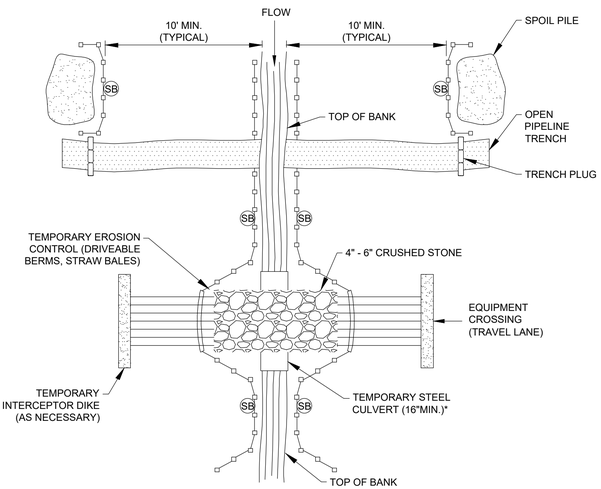
PLAN VIEW



SECTION VIEW

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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Augusta, ME 04330

PROJECT NO: 327851

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C-078

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327851-HIGH RIVER-DET 008.dwg 2020.01.29