

Georgia Mountain Community Wind, LLC

Ted Road
Milton & Georgia, VT

PROJECT: 05126.2

DATE: 3/24/2009

List of Drawings

LAND OWNERS:

HW Ventures LLC	Green Crow, LLC
P.O. BOX 2098	58 Priscilla Lane
Georgia, Vermont	Auburn, New Hampshire
05468	03032
Tel. 802-849-6688	Tel. 603-644-1145

CIVIL ENGINEER:

Cross Consulting Engineers, P.C.
103 Fairfax Road
St. Albans, Vermont 05478
Tel. 802-524-2113
Fax 802-524-9681
Email: pcross@crossconsultingengineers.com

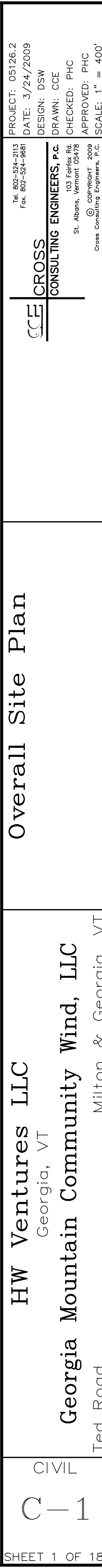
C-1	OVERALL SITE PLAN
C-2	MAIN ROAD ACCESS PLAN & PROFILE
C-3	MAIN ROAD ACCESS PLAN & PROFILE
C-4	MAIN ROAD ACCESS PLAN & PROFILE
C-5	MAIN ROAD ACCESS PLAN & PROFILE
C-6	MAIN ROAD ACCESS PLAN & PROFILE
C-7	MAIN ROAD ACCESS PLAN & PROFILE
C-8	ACCESS ROAD 2 PLAN & PROFILE
C-9	ACCESS ROAD 2 PLAN & PROFILE
C-10	ACCESS ROAD 2 PLAN & PROFILE
C-11	ACCESS ROAD 3 PLAN & PROFILE
C-12	DETENTION POND 1
C-13	DETENTION POND 2
C-14	DETENTION POND 3
C-15	EROSION CONTROL PLAN
C-16	EROSION CONTROL PLAN
C-17	EROSION CONTROL PLAN
C-18	DETAILS

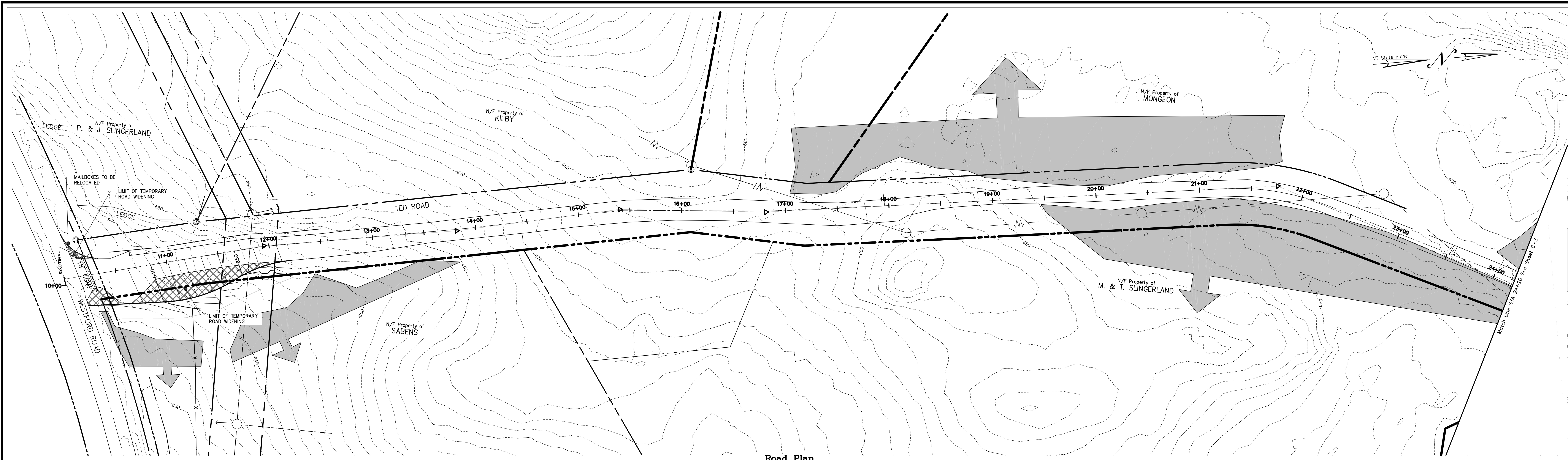
PROJECT MANAGER:

Vermont Environmental Research Associates
1209 Harvey Farm Road
Waterbury Ctr, Vermont 05677
Tel. 802-244-7522
Email: marthas@northeastwind.com

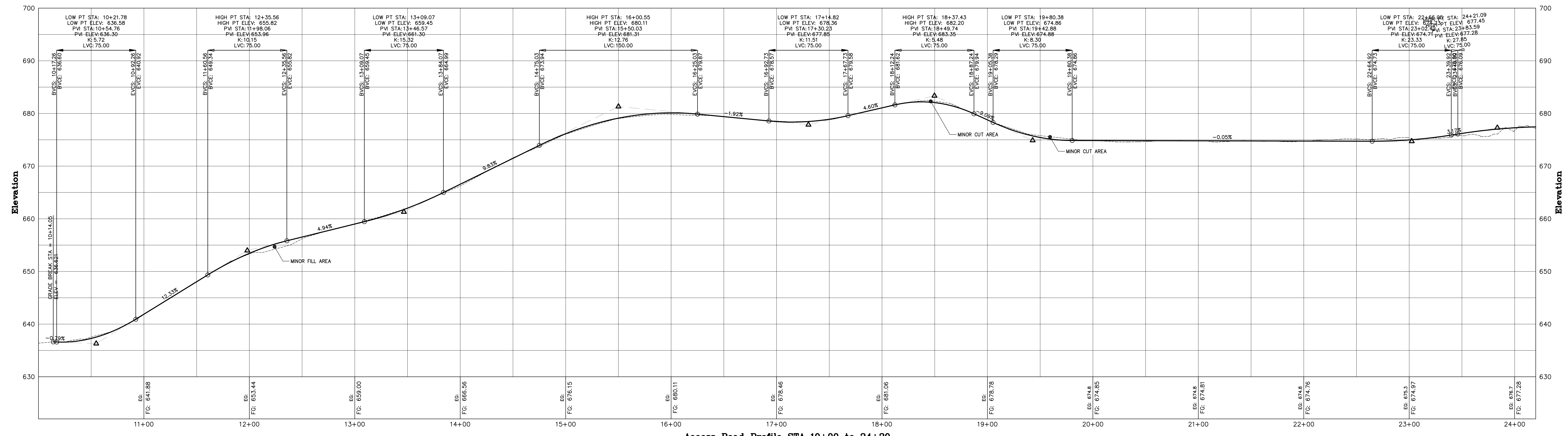
ENVIRONMENTAL CONSULTANT:

Arrowwood Environmental
950 Bert White Road
Huntington, Vermont 05462
Tel. 802-434-7276
Fax. 802-434-2102
Email: michael@arrowwoodvt.com





Road Plan
Horizontal Scale: 1" = 40'



Access Road Profile STA 10+00 to 24+20
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 8'

PROJECT: 05126.2
DATE: 3/24/2009
DESIGN: DSW
DRAWN: CCE
CHECKED: PHC
APPROVED: PHC
SCALE: 1" = 40'

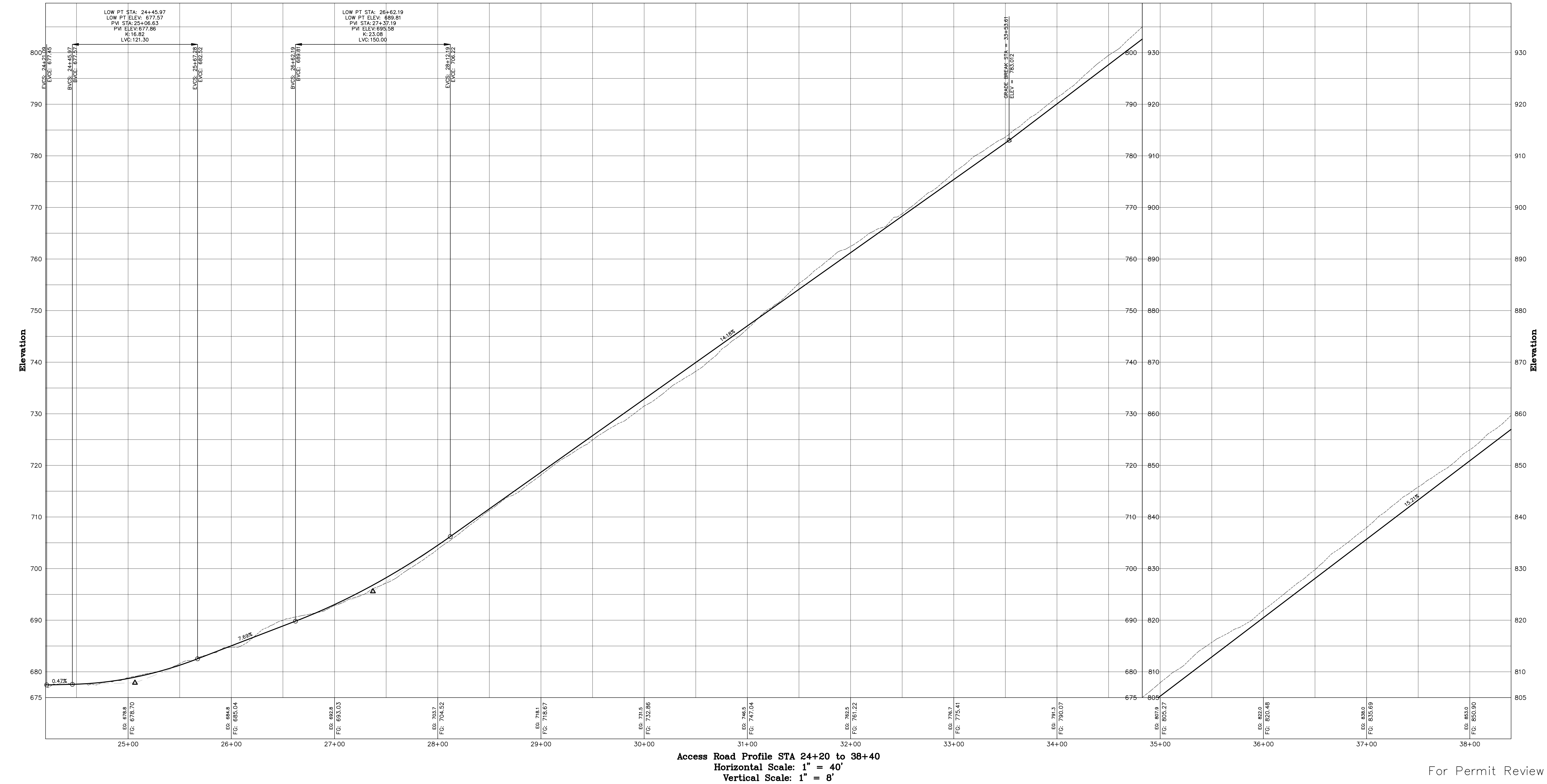
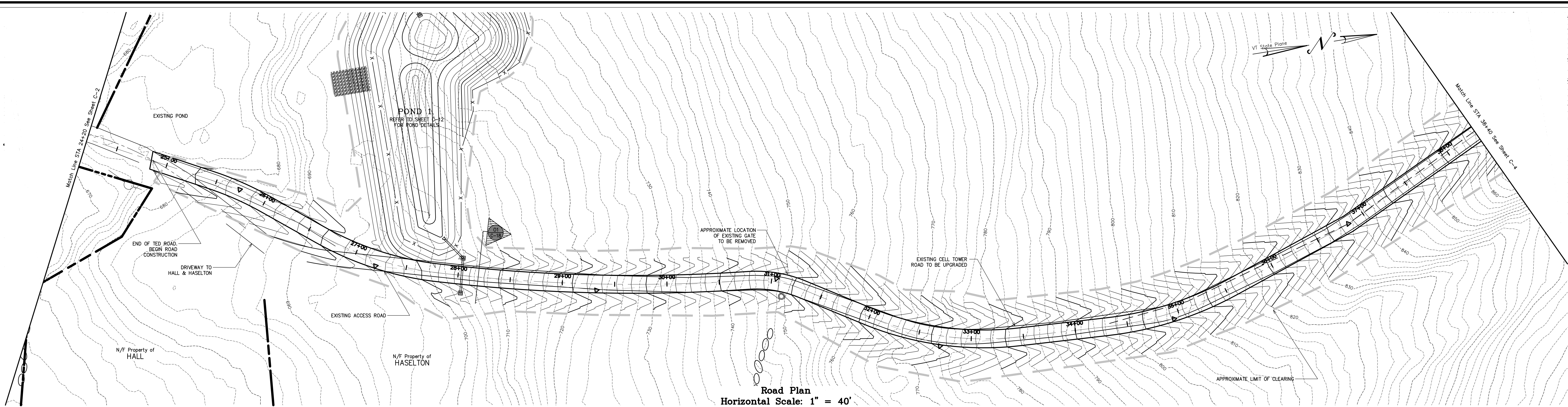
CCE CROSS
CONSULTING ENGINEERS, P.C.
103 Fairfax Rd.
St. Albans, Vermont 05478
Tel: 802-524-2115
Fax: 802-524-9691
© Consulting Engineers, P.C.

Main Access Road Plan &
Profile STA 10+00 -
STA 24+20

HW Ventures LLC
Georgia, VT
Georgia Mountain Community Wind, LLC
Milton & Georgia, VT
Ted Road

CIVIL
C-2
SHEET 2 OF 18

For Permit Review



PROJECT: 05126.2
DATE: 3/24/2009
DESIGN: DSW
DRAWN: CCE
CHECKED: PHC
APPROVED: PHC
SCALE: 1" = 40'

CCE CROSS

CONSULTING ENGINEERS, P.C.

Tel: 802-524-2115
Fax: 802-524-8681

103 Fairfax Rd.
St. Albans, Vermont 05478

© Consulting Engineers, P.C.

HW Ventures LLC
Georgia, VT

Georgia Mountain Community Wind, LLC
Milton & Georgia, VT

Ted Road

CIVIL

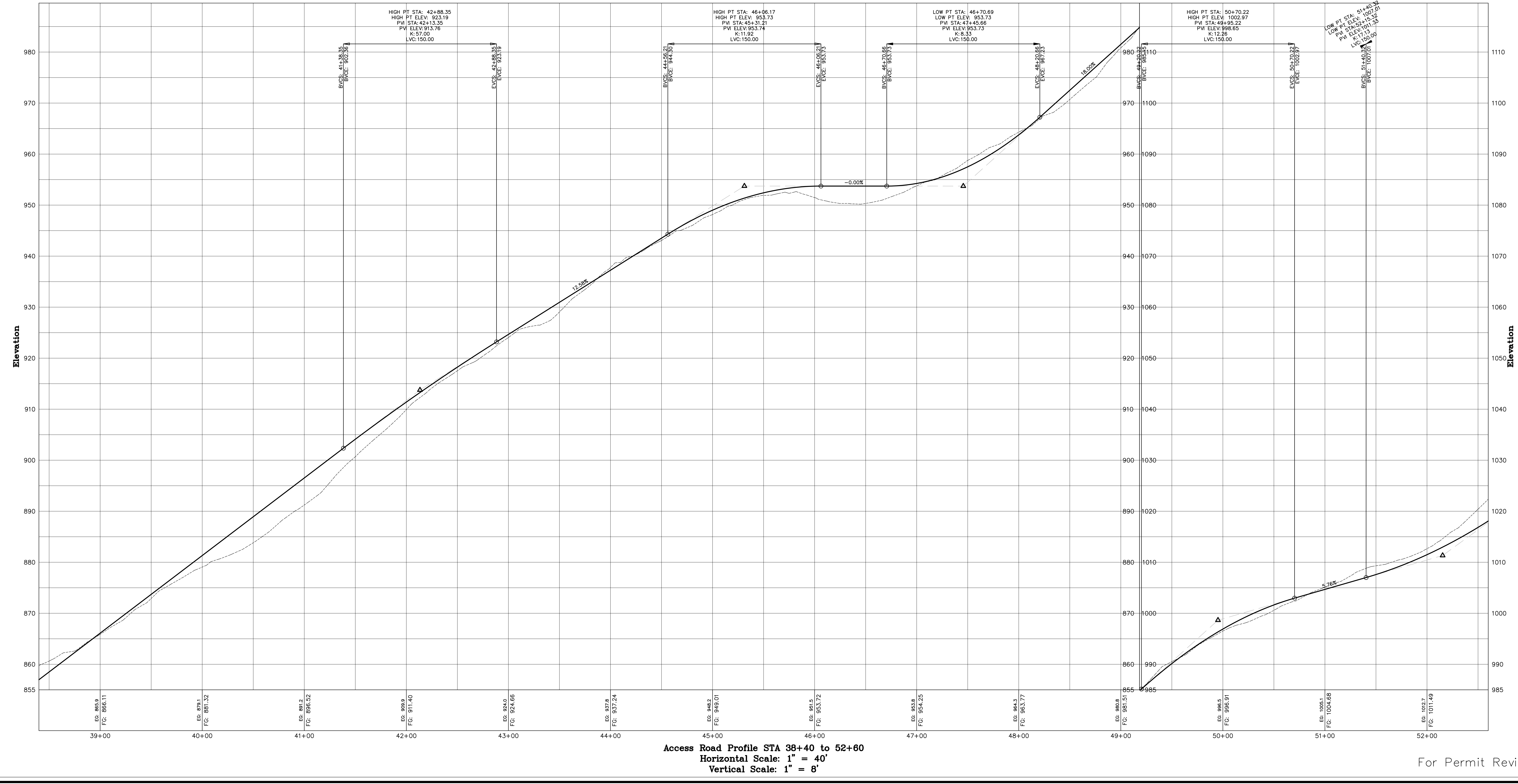
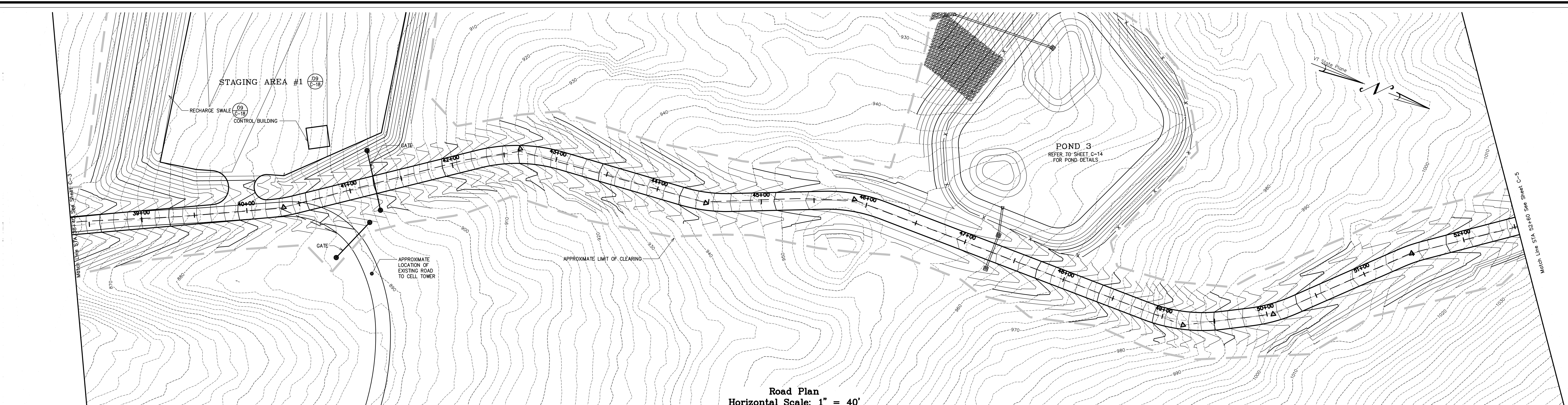
C-3

For Permit Review

SHEET 3 OF 18

G:\2005 Drawings\05126.2 Georgia Mtn Road\Current\C-2 - C-3 Main Access Road Plan & Profile.dwg Plotted 3/25/2009 09:05:46

G:\2005 Drawings\051262 Georgia Mtn Road\Current\C-2 - C-7 Main Access Road Plan & Profile.dwg Plotted 3/25/2009 09:08:20



PROJECT: 051262.2
DATE: 3/24/2009
DESIGN: DSW
DRAWN: CCE
CHECKED: PHC
APPROVED: PHC
SCALE: 1" = 40'

CCE CROSS

CONSULTING ENGINEERS, P.C.

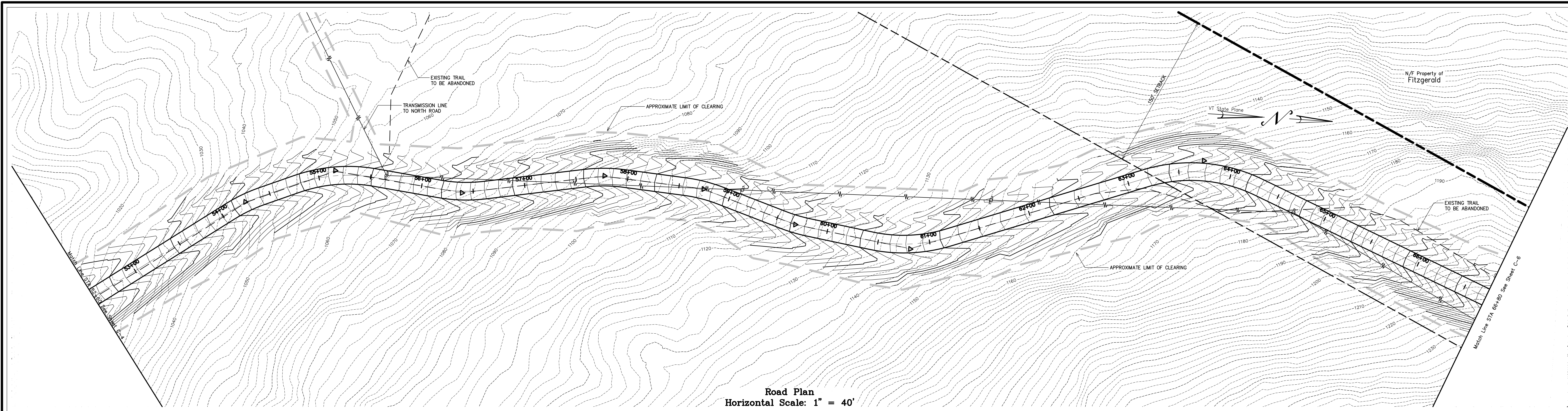
103 Fairfax Rd.
St. Albans, Vermont 05478
© 2009 Consulting Engineers, P.C.

HW Ventures LLC
Georgia, VT
Georgia Mountain Community Wind, LLC
Milton & Georgia, VT
Ted Road

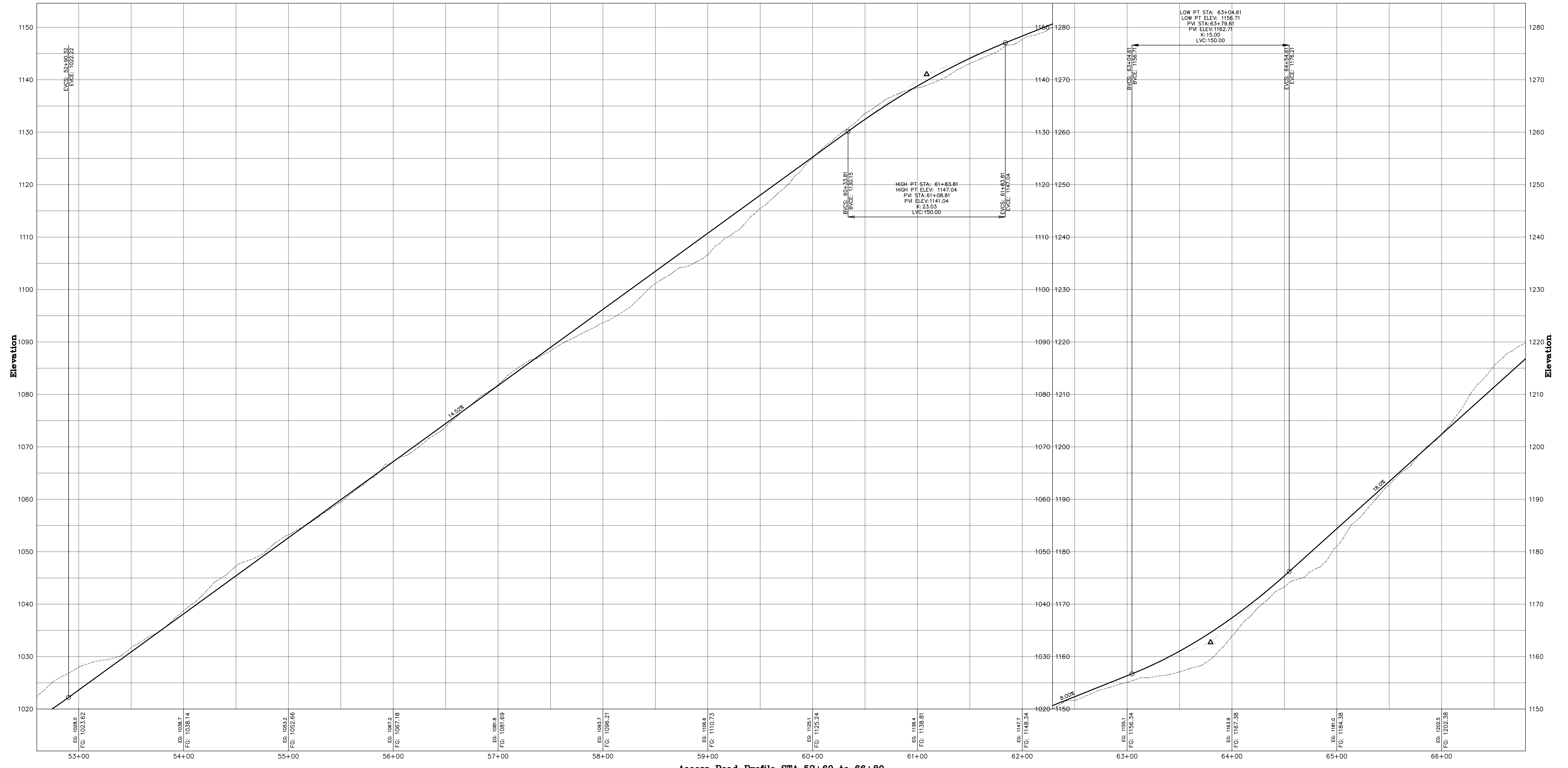
Profile STA 38+40 - STA 52+60

CIVIL
C-4

For Permit Review
SHEET 4 OF 18



Road Plan
Horizontal Scale: 1" = 40'

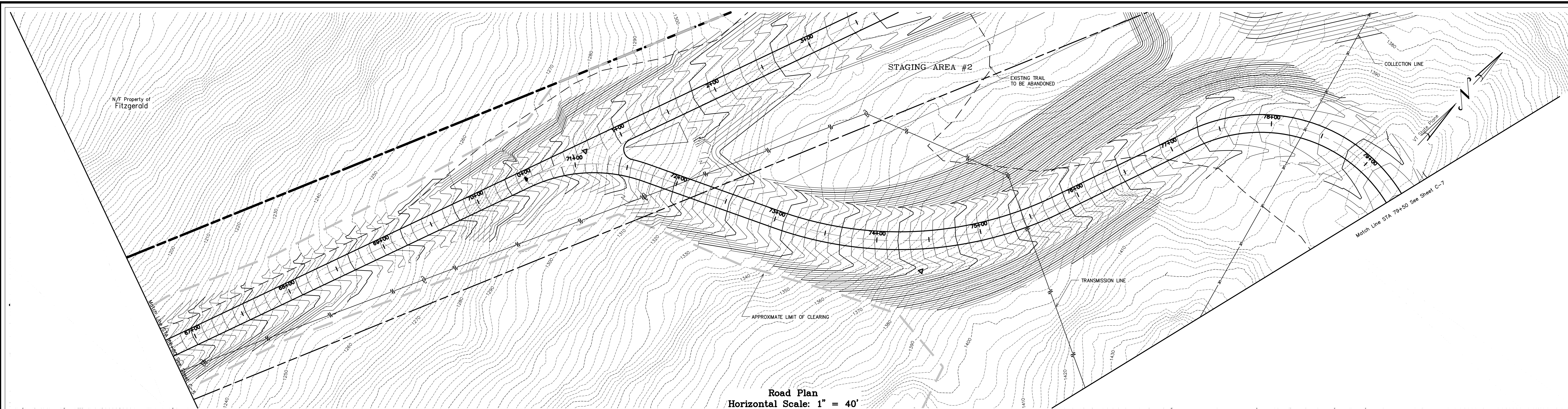


Access Road Profile STA 52+60 to 66+80
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 8'

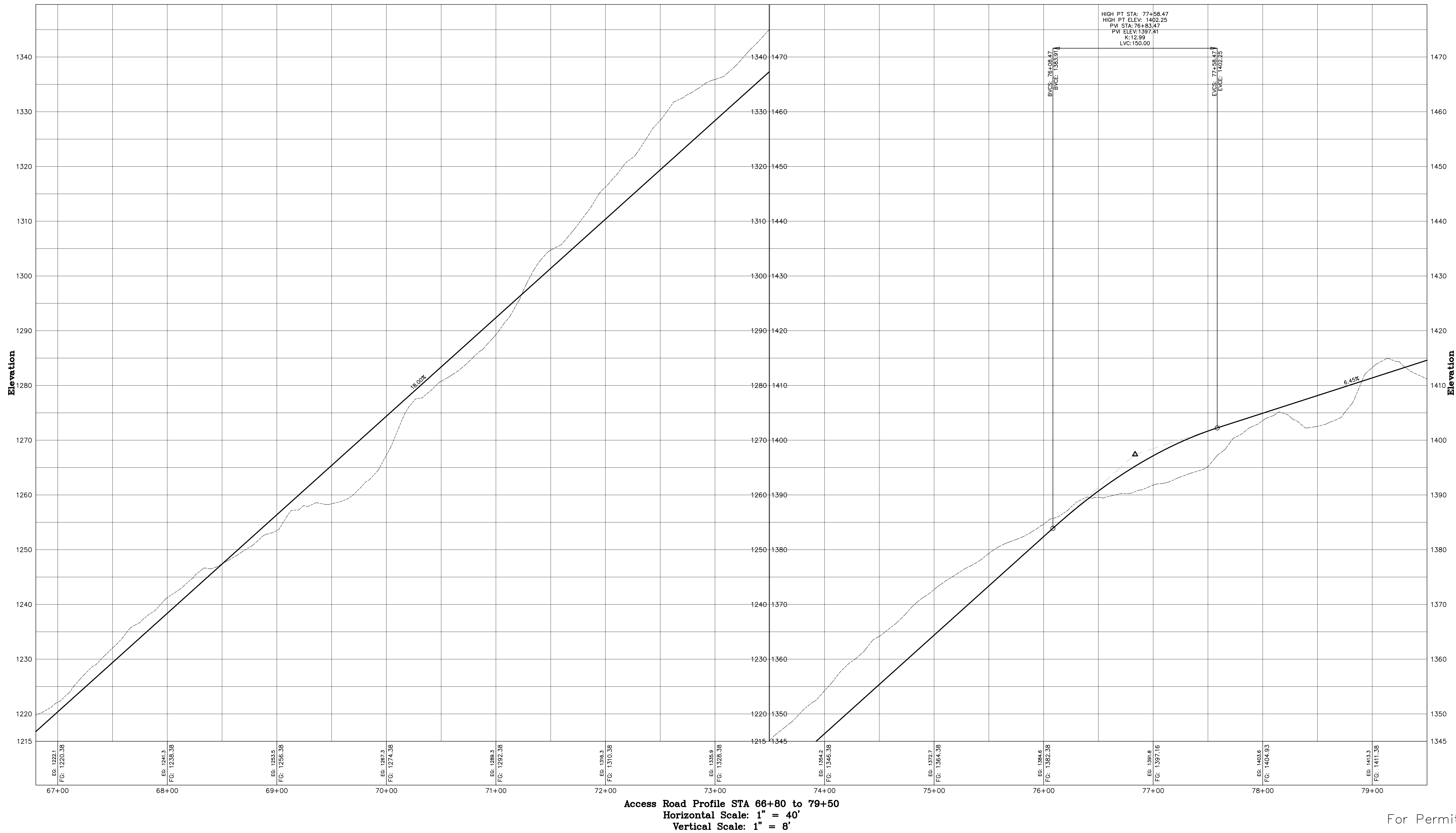
For Permit Review

CROSS CONSULTING ENGINEERS, P.C. 103 Fairfax Rd. St. Albans, Vermont 05478 © 2009 Cross Consulting Engineers, P.C.	PROJECT: 05126.2 DATE: 3/24/2009 DESIGN: DSW DRAWN: CCE CHECKED: PHC APPROVED: PHC SCALE: 1" = 40'
	HW Ventures LLC Georgia, VT Georgia Mountain Community Wind, LLC Milton & Georgia, VT Ted Road
Main Access Road Plan & Profile STA 52+60 - STA 66+80	
CIVIL C-5	

G:\2005 Drawings\051262 Georgia Mtn Road\Current\C-2 - C-7 Main Access Road Plan & Profile.dwg Plotted 3/25/2009 09:07:30



Road Plan
Horizontal Scale: 1" = 40'



CCE CROSS
CONSULTING ENGINEERS, P.C.
103 Fairfax Rd.
St. Albans, Vermont 05478
© 2009 Consulting Engineers, P.C.
Cross Consulting Engineers, P.C.

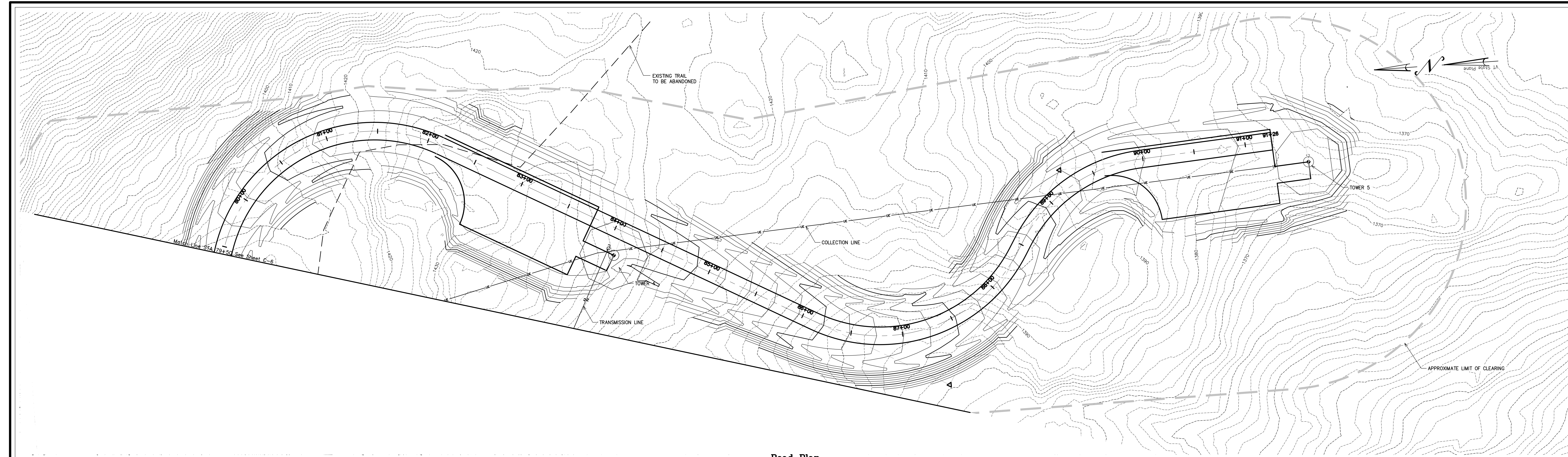
**Main Access Road Plan &
Profile STA 66+80 –
STA 79+50**

HW Ventures LLC
Georgia, VT
Georgia Mountain Community Wind, LLC
Milton & Georgia, VT
Ted Road

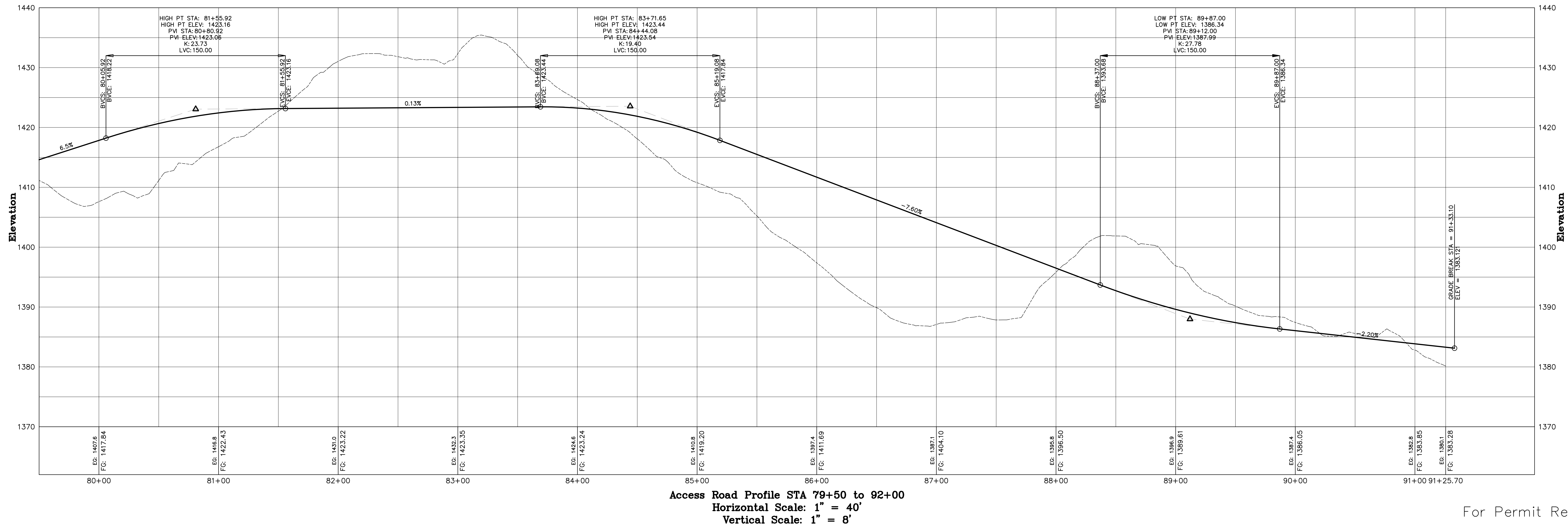
CIVIL
C-6

PROJECT: 051262.2
DATE: 3/24/2009
DESIGN: DSW
DRAWN: CCE
CHECKED: PHC
APPROVED: PHC
SCALE: 1" = 40'

G:\2005 Drawings\05126.2 Georgia Win Road\Current\C-2 - C-7 Main Access Road Plan & Profile.dwg Plotted 3/25/2009 09:08:00



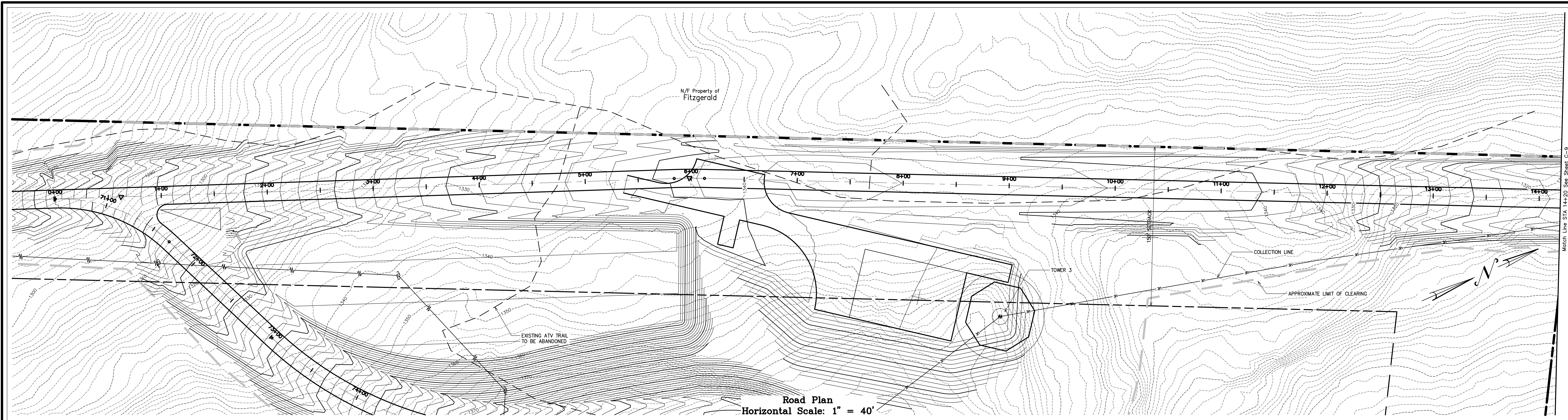
Road Plan
Horizontal Scale: 1" = 40'



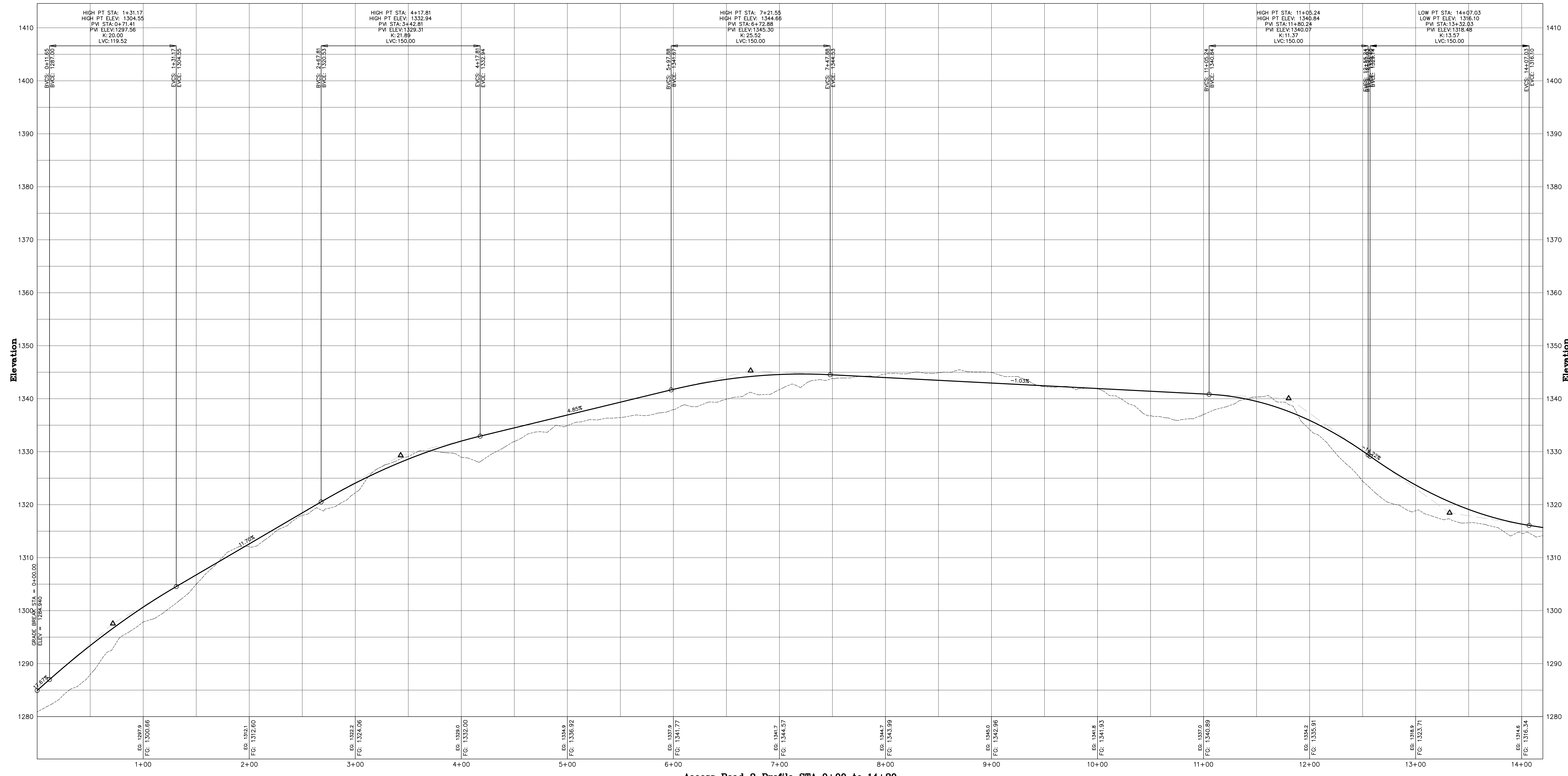
Access Road Profile STA 79+50 to 92+00
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 8'

For Permit Review

CIVIL C-2	HW Ventures LLC Georgia, VT Georgia Mountain Community Wind, LLC Milton & Georgia, VT Ted Road	Main Access Road Plan & Profile STA 79+50 - STA 91+33	CCE CROSS CONSULTING ENGINEERS, P.C. 103 Fairfax Rd. St. Albans, Vermont 05478 © 2009 Consulting Engineers, P.C. Cross Consulting Engineers, P.C.	PROJECT: 05126.2
				DATE: 3/24/2009
				DESIGN: DSW
				DRAWN: CCE
				CHECKED: PHC
				APPROVED: PHC
				SCALE: 1" = 40'



Road Plan
Horizontal Scale: 1" = 40'



Access Road 2 Profile STA 0+00 to 14+20
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 8'

For Permit Review

PROJECT: 05126.2
DATE: 3/24/2009
DESIGN: DSW
DRAWN: CCE
CHECKED: PHC
APPROVED: PHC
SCALE: 1" = 40'

100 Fairfield Rd.
St. Albans, Vermont 05478
© 2009 Cross Consulting Engineers, P.C.
Cross Consulting Engineers, P.C.

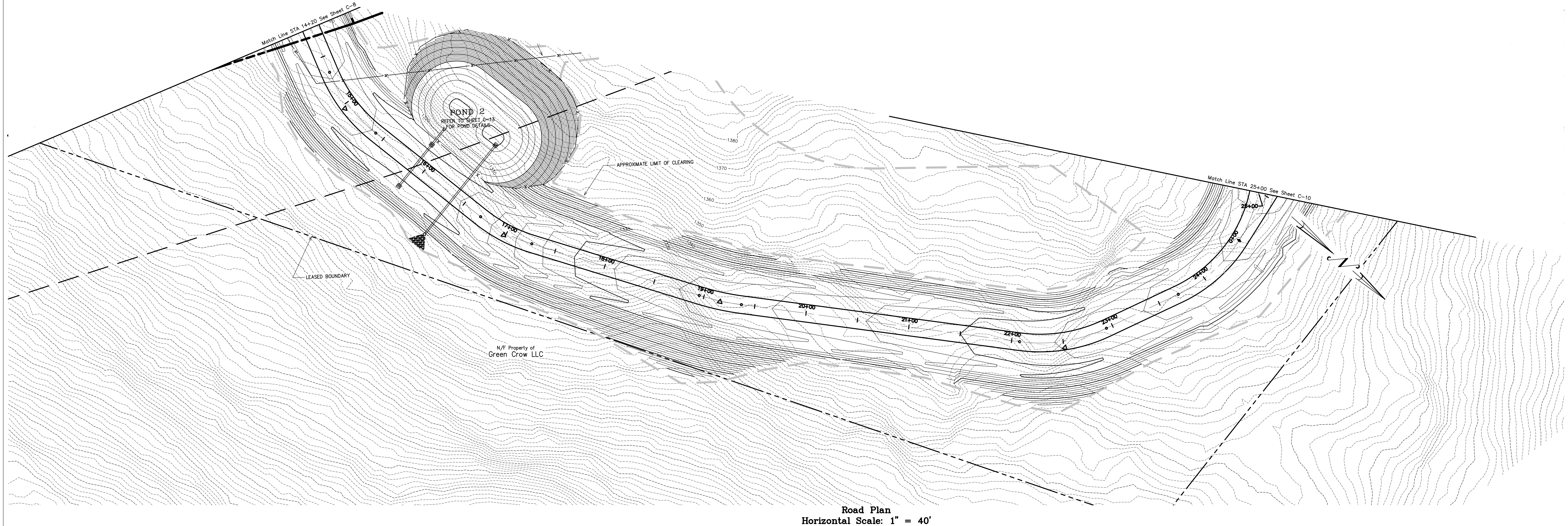
CCE CROSS
CONSULTING ENGINEERS, P.C.

HW Ventures LLC
Georgia, VT
Georgia Mountain Community Wind, LLC
Milton & Georgia, VT
Ted Road

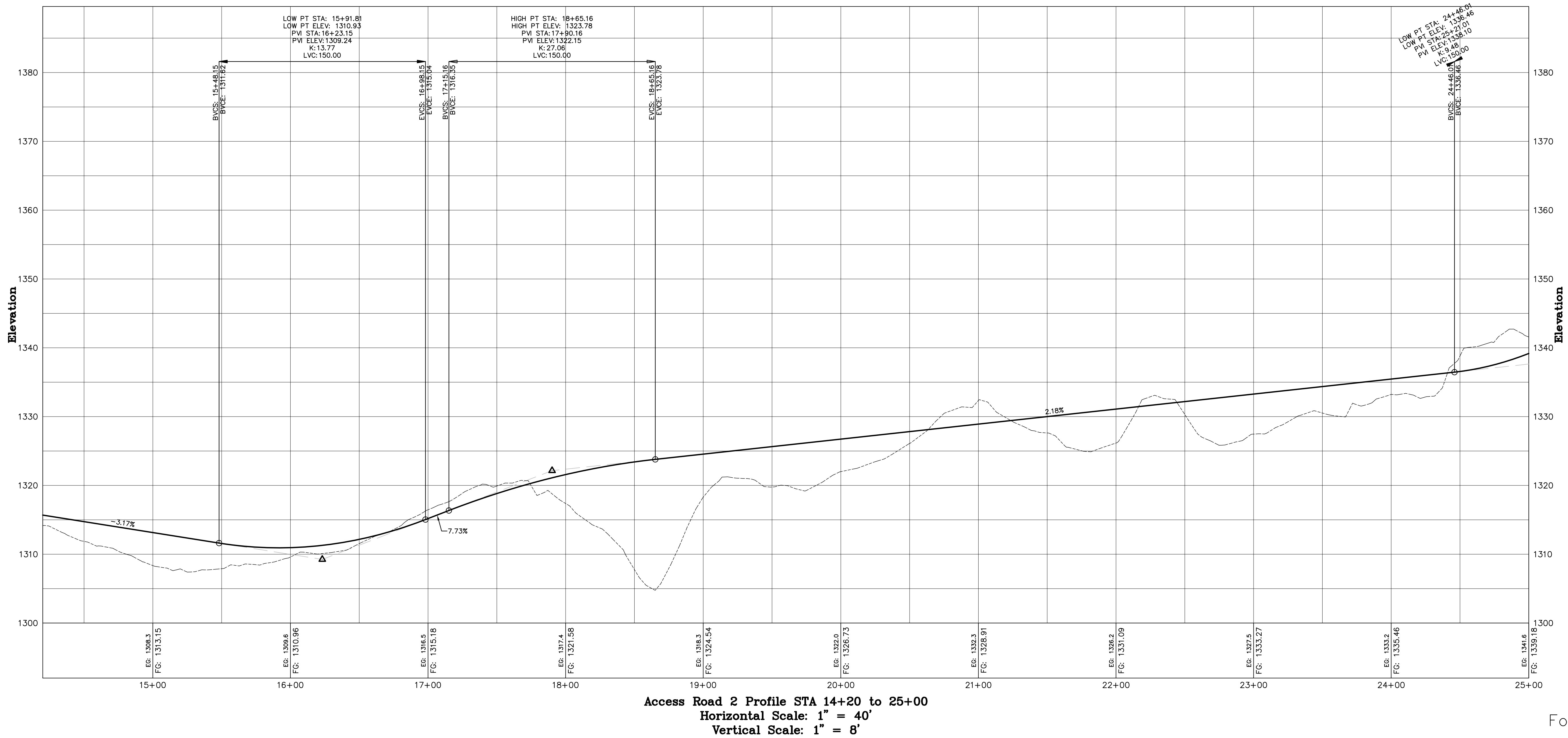
CIVIL
C-8

Access Road 2 Plan &
Profile STA 0+00 -
STA 14+20

SHEET 8 OF 18



Road Plan
Horizontal Scale: 1" = 40'



Access Road 2 Profile STA 14+20 to 25+00
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 8'

For Permit Review

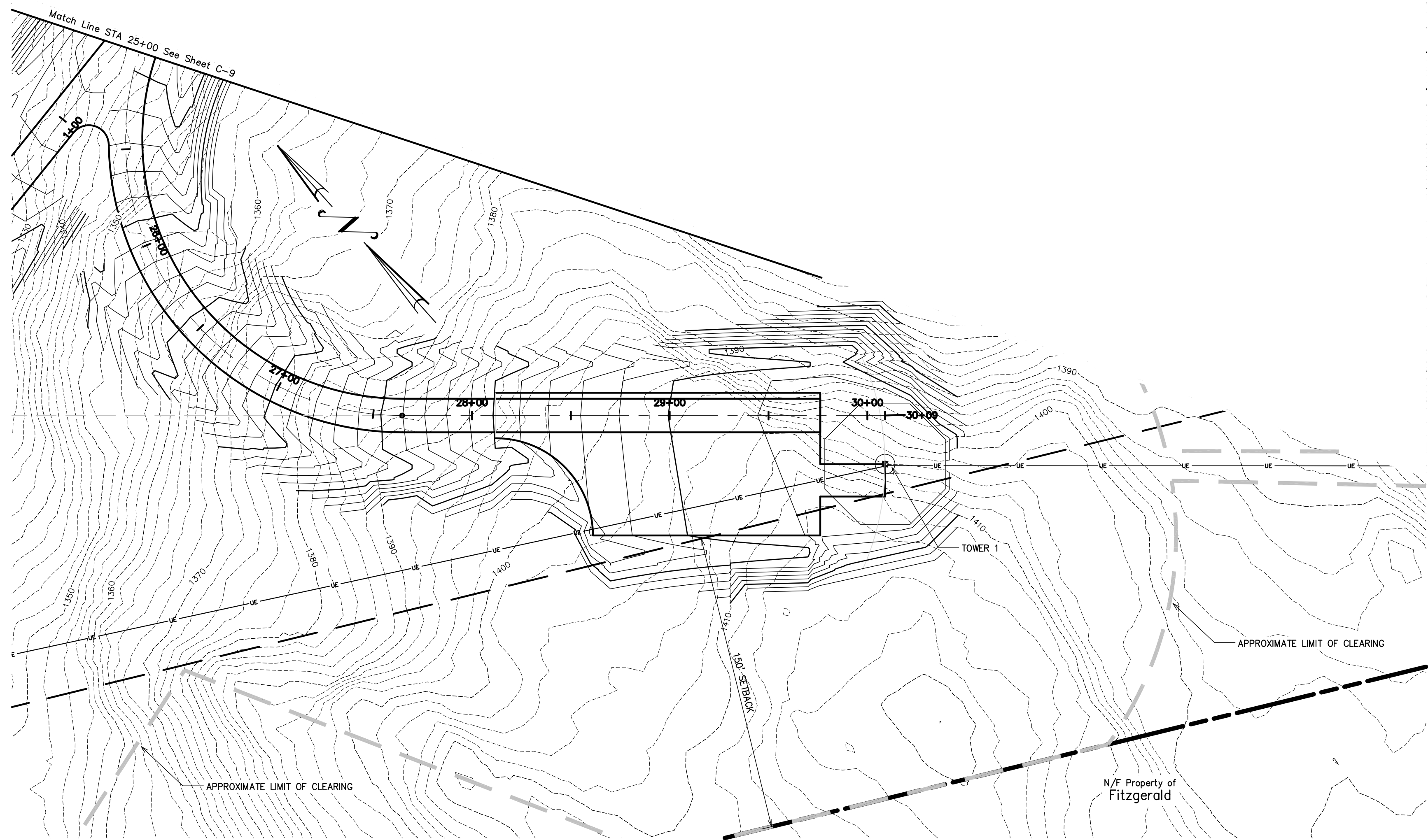
PROJECT: 05126.2
DATE: 3/24/2009
DESIGN: DSW
DRAWN: CCE
CHECKED: PHC
APPROVED: PHC
SCALE: 1" = 40'

Cross Consulting Engineers, P.C.
103 Fairfax Rd.
St. Albans, Vermont 05478
Tel: 802-524-2115
Fax: 802-524-2681
CCE CROSS CONSULTING ENGINEERS, P.C.

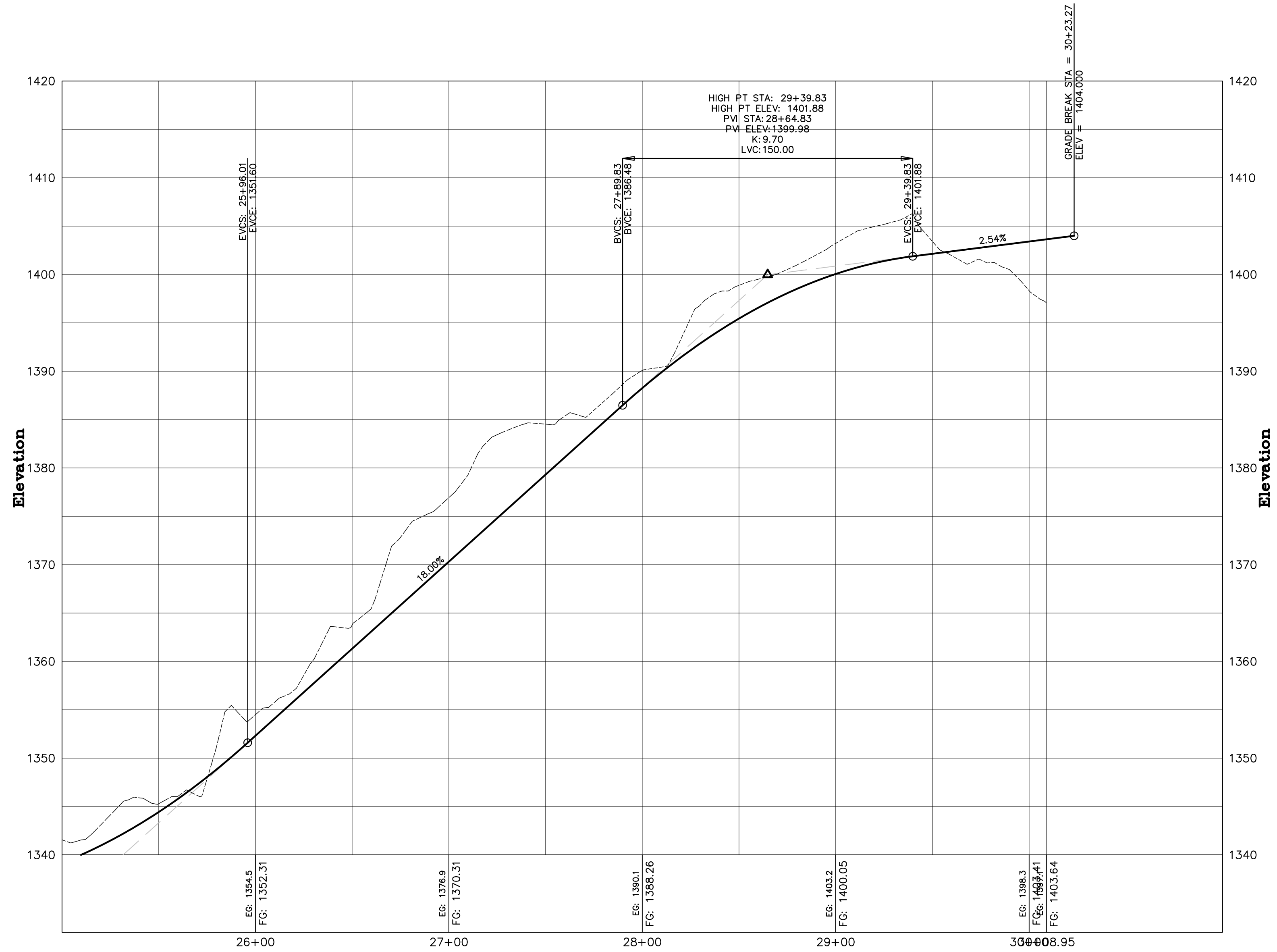
Access Road 2 Plan &
Profile STA 14+20 -
STA 25+00

HW Ventures LLC
Georgia, VT
Georgia Mountain Community Wind, LLC
Milton & Georgia, VT
Ted Road

CIVIL
C-9



Road Plan
Horizontal Scale: 1" = 40'



Access Road 2 Profile STA 25+00 to 31+00
Horizontal Scale: 1" = 40'
Vertical Scale: 1" = 8'

PROJECT: 05126.2
DATE: 3/24/2009
DESIGN: DSW
DRAWN: CCE
CHECKED: PHC
APPROVED: PHC
SCALE: 1" = 40'

CCE CROSS
CONSULTING ENGINEERS, P.C.
103 Fairfax Rd.
St. Albans, Vermont 05478
© 2009 Consulting Engineers, P.C.
Cross Consulting Engineers, P.C.

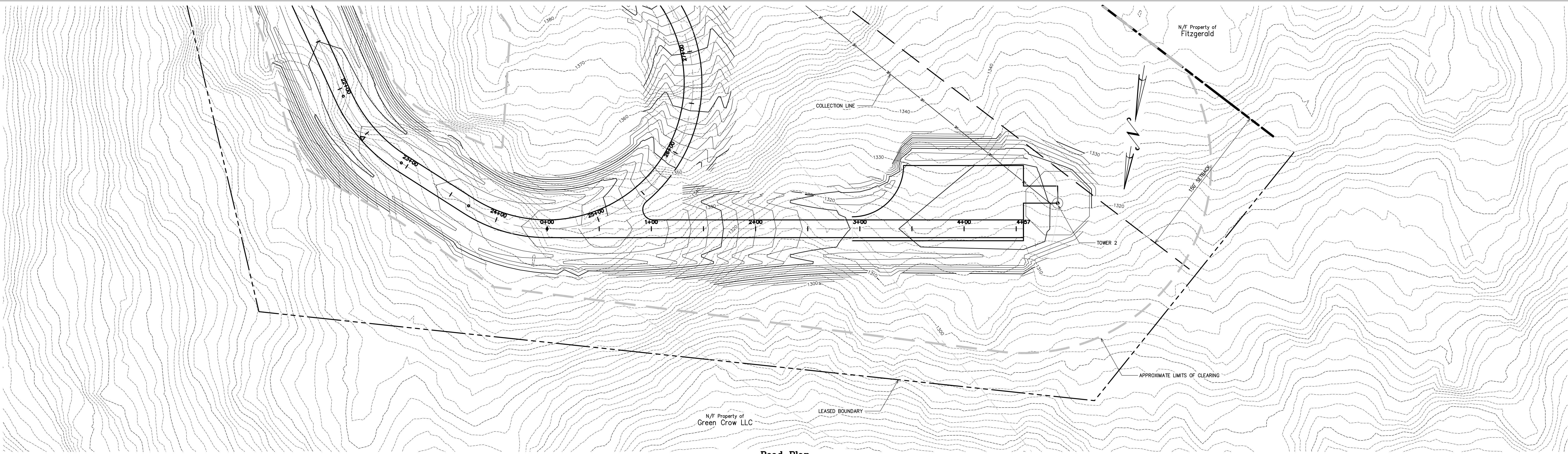
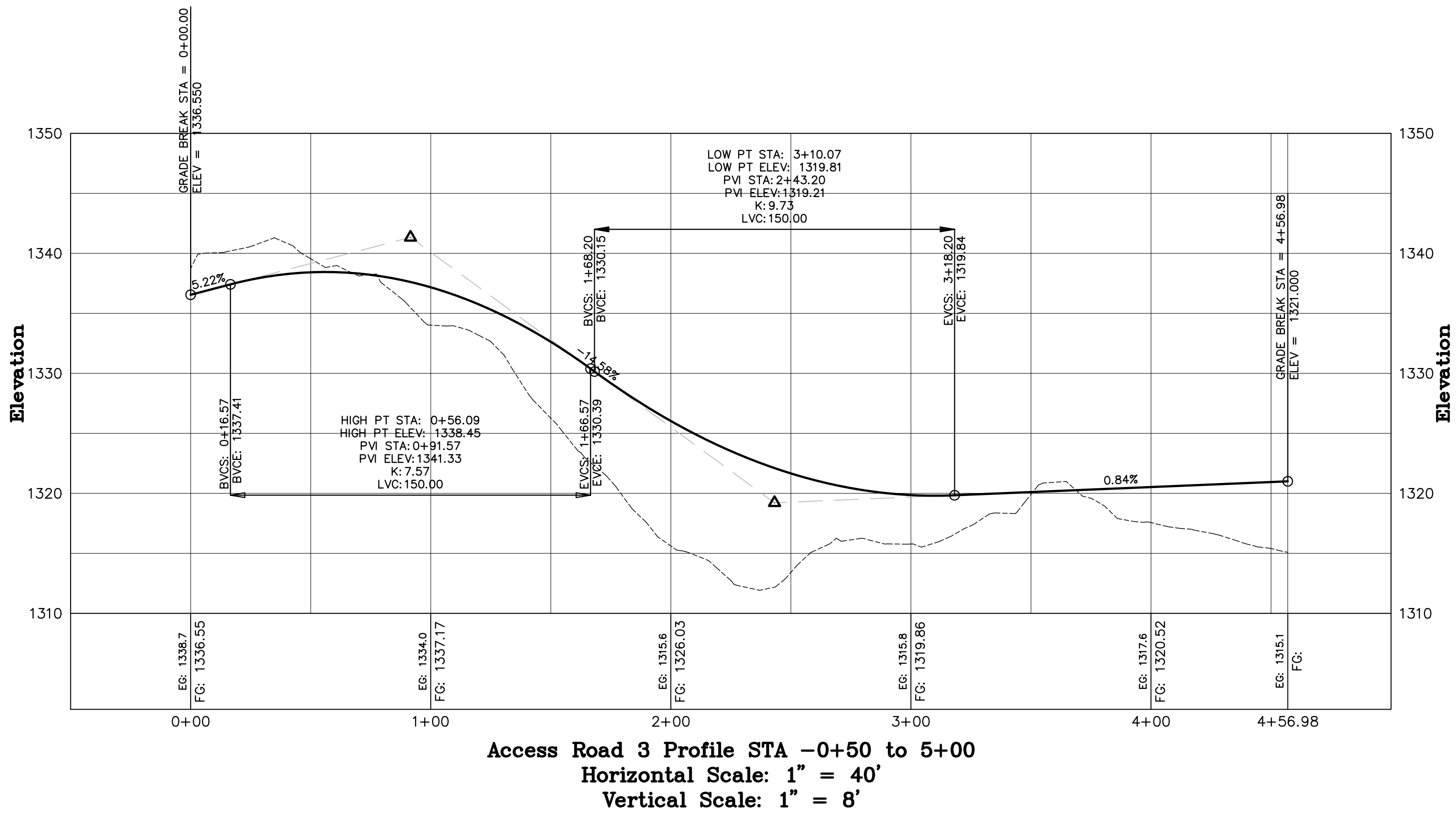
Access Road 2 Plan &
Profile STA 25+00 -
STA 30+09

HW Ventures LLC
Georgia, VT
Georgia Mountain Community Wind, LLC
Milton & Georgia, VT
Ted Road

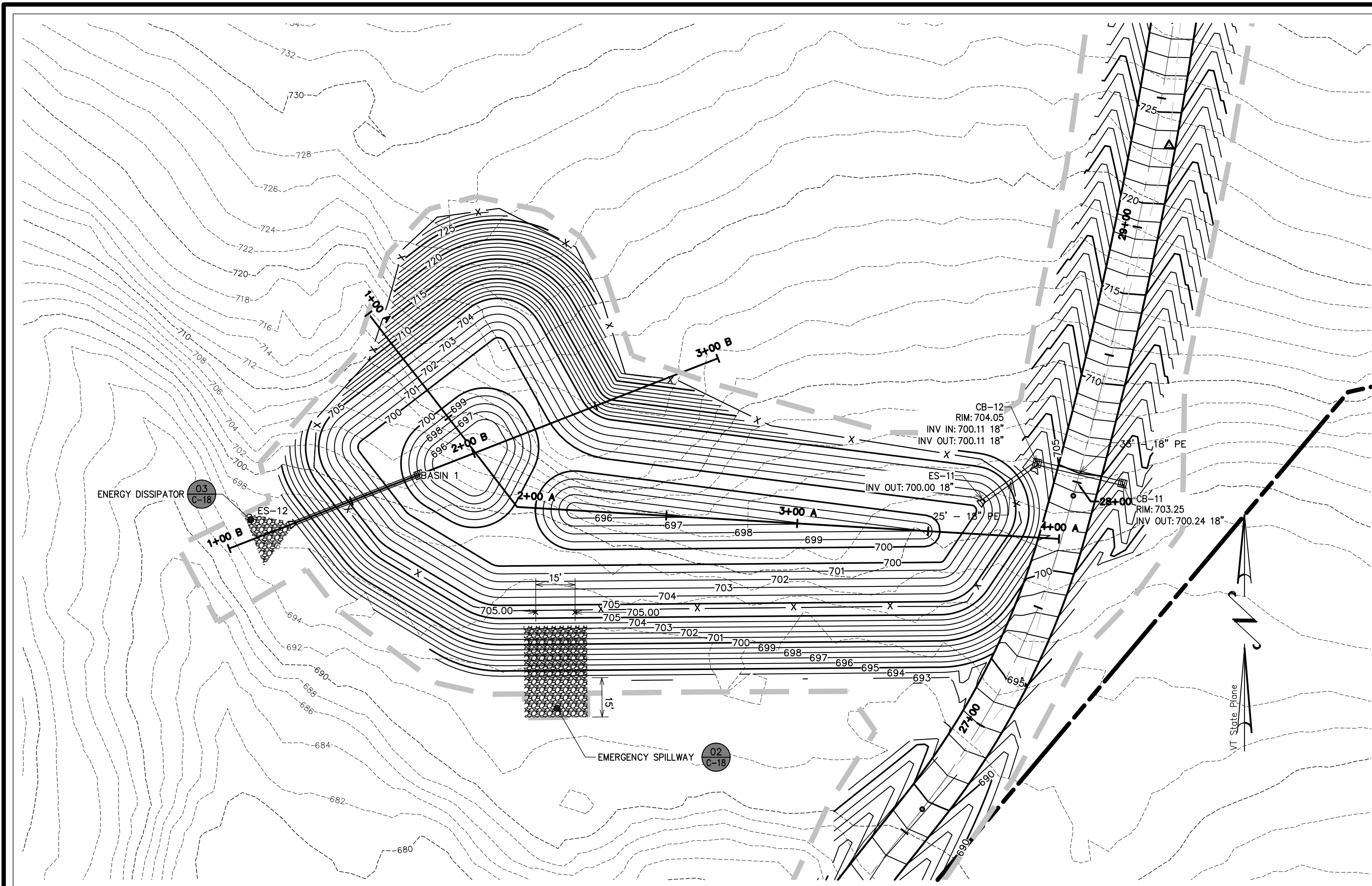
CIVIL
C-10

For Permit Review

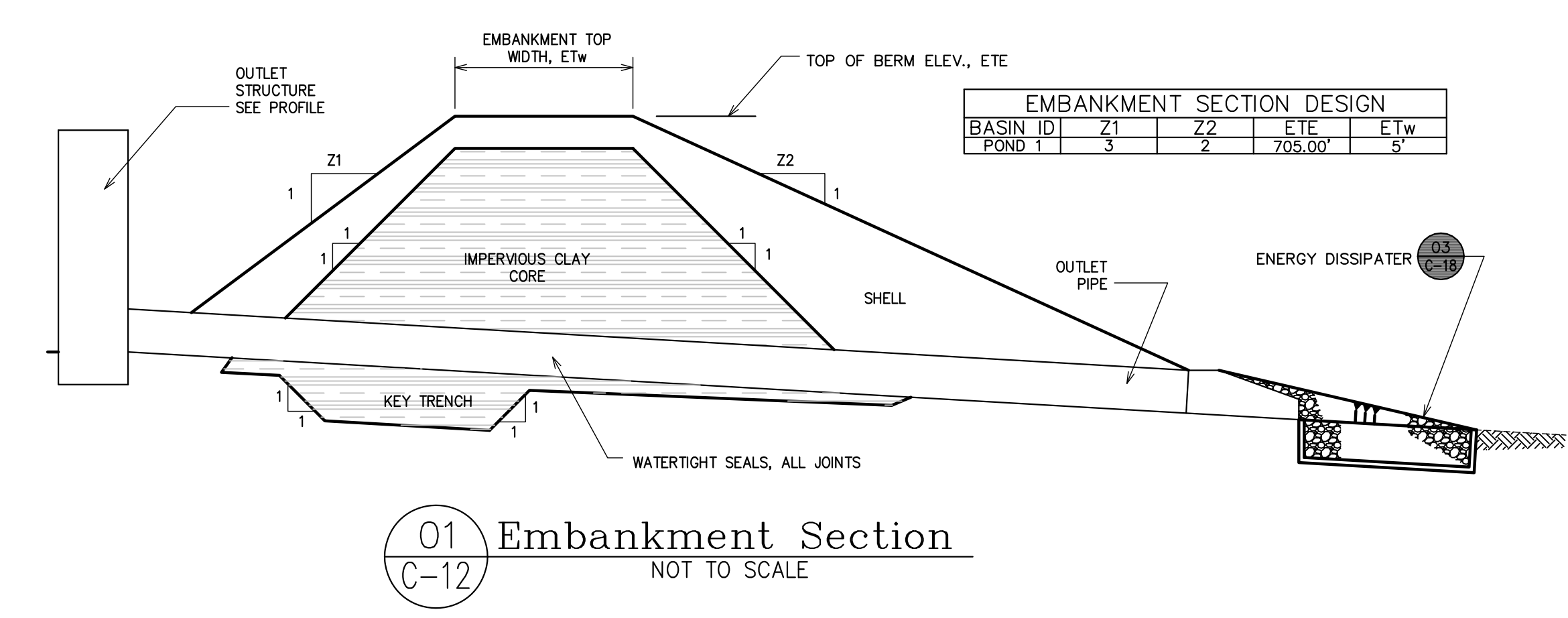
G:\2005 Drawings\051262 Georgia Mtn Road\Current\C-11 Access Road 3 Plan & Profiling Plotted 3/25/2009 09:11:19



G:\2005 Drawings\051262 Georgia Mtn Road\Current\C-12 Detention Pond 1.dwg Plotted 2/25/2009 09:12:22



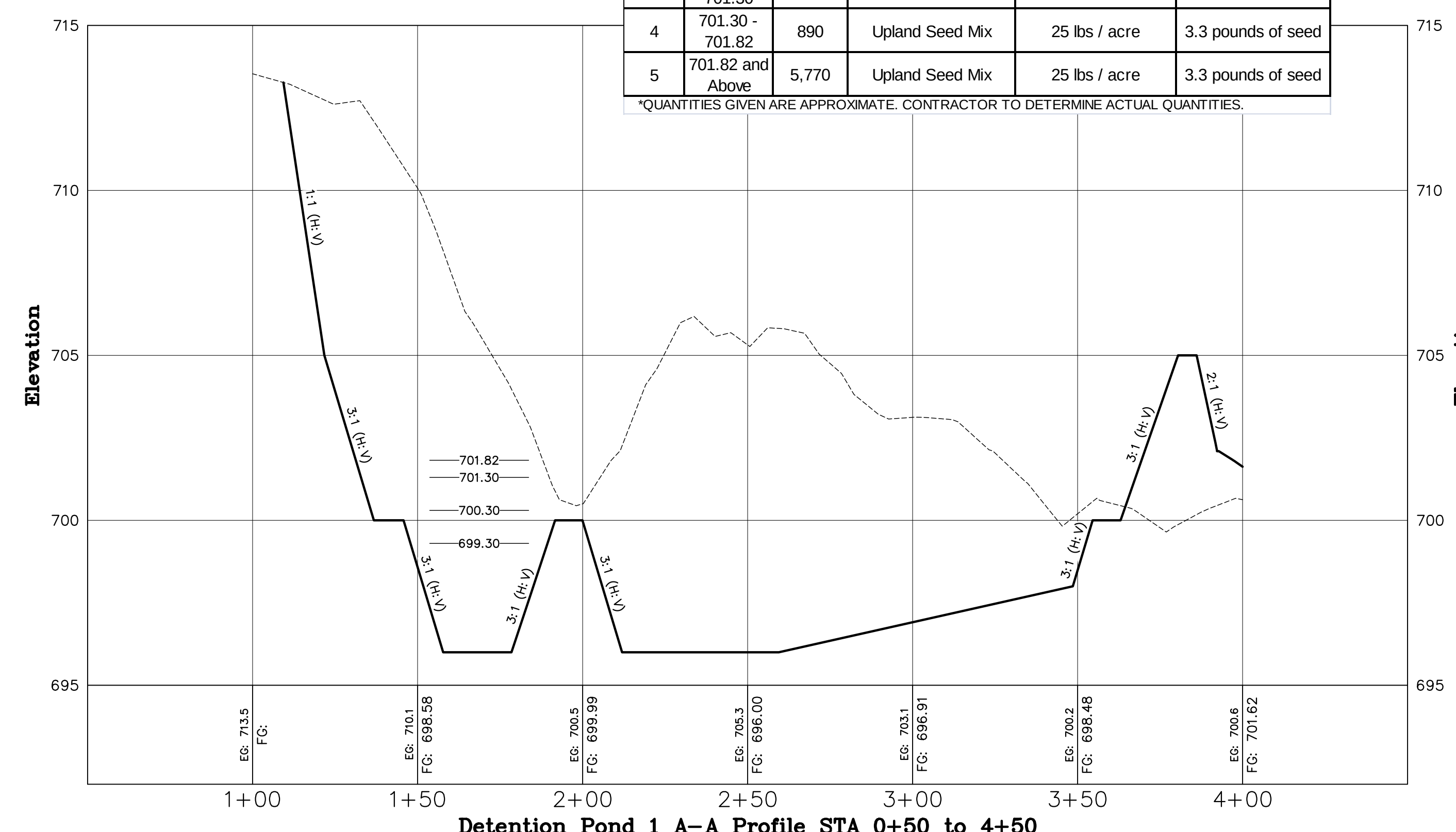
Detention Pond 1 Plan
Horizontal Scale: 1" = 30'



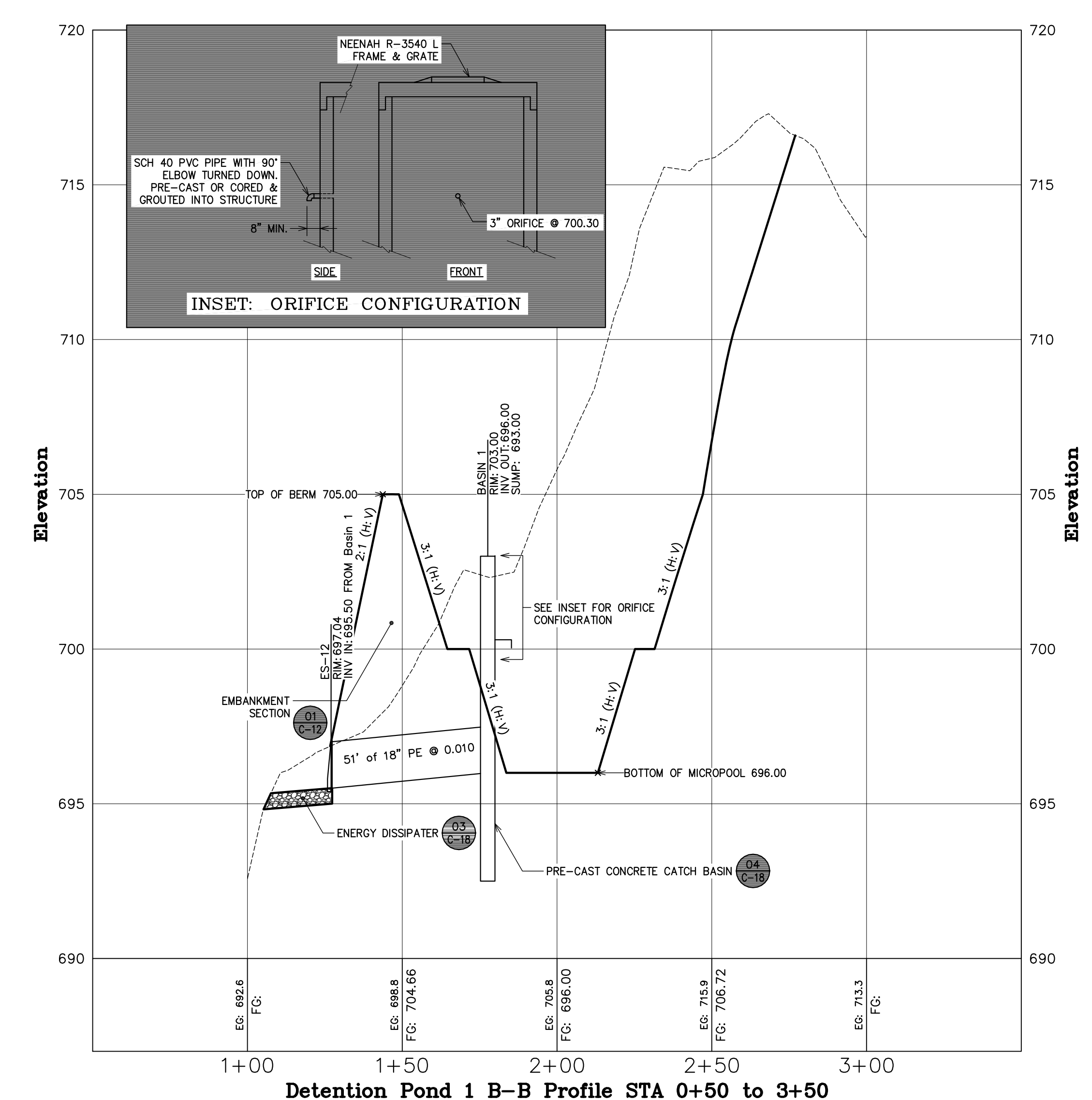
01 Embankment Section
C-12 NOT TO SCALE

Pond Planting Plan					
Zone #	Elevation Range (ft)	Area (sq. ft.)	Example Species	Planting/Seeding Rate	Total Quantity
1	696.00 - 699.30	5,460	Water Lily, Water Celery, Pondweed	1 Plant / 4 square ft	1370 Transplants
2	699.30 - 700.30	4,340	Northern Arrowhead, Softstem Bulrush	1 Plant / 4 square ft	1090 Transplants
3	700.30 - 701.30	1,670	Moist Seed Mix	25 lbs / acre	1.0 pounds of seed
4	701.30 - 701.82	890	Upland Seed Mix	25 lbs / acre	3.3 pounds of seed
5	701.82 and Above	5,770	Upland Seed Mix	25 lbs / acre	3.3 pounds of seed

*QUANTITIES GIVEN ARE APPROXIMATE. CONTRACTOR TO DETERMINE ACTUAL QUANTITIES.



Detention Pond 1 A-A Profile STA 0+50 to 4+50
Horizontal Scale: 1" = 30'
Vertical Scale: 1" = 3'



Detention Pond 1 B-B Profile STA 0+50 to 3+50
Horizontal Scale: 1" = 30'
Vertical Scale: 1" = 3'

PROJECT: 051262.2
DATE: 3/24/2009
DESIGN: DSW
DRAWN: CCE
CHECKED: PHC
APPROVED: PHC
SCALE: 1" = 30'

CCE CROSS CONSULTING ENGINEERS, P.C.
103 Fairfax Rd.
St. Albans, Vermont 05478
© 2009 Cross Consulting Engineers, P.C.

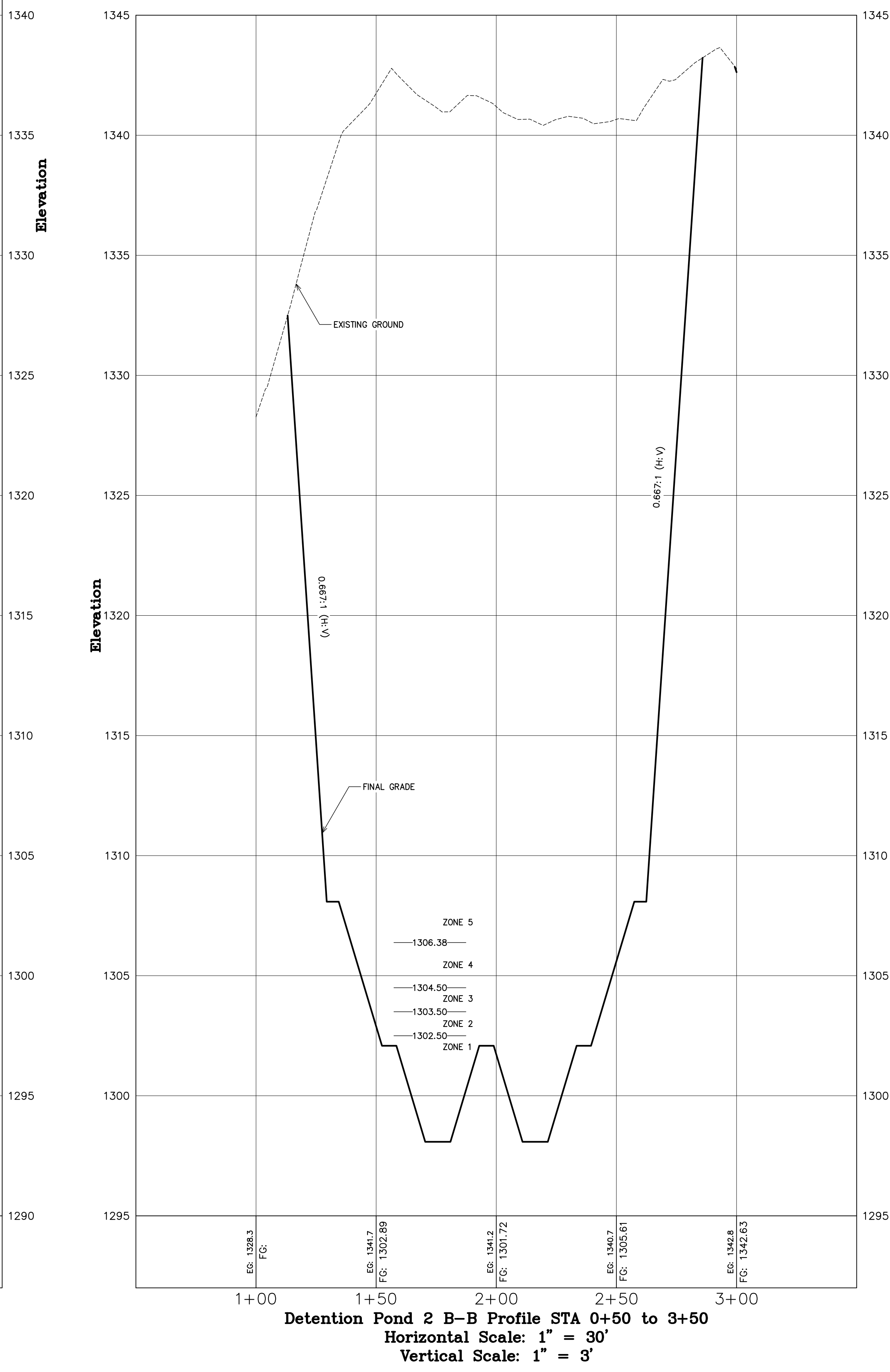
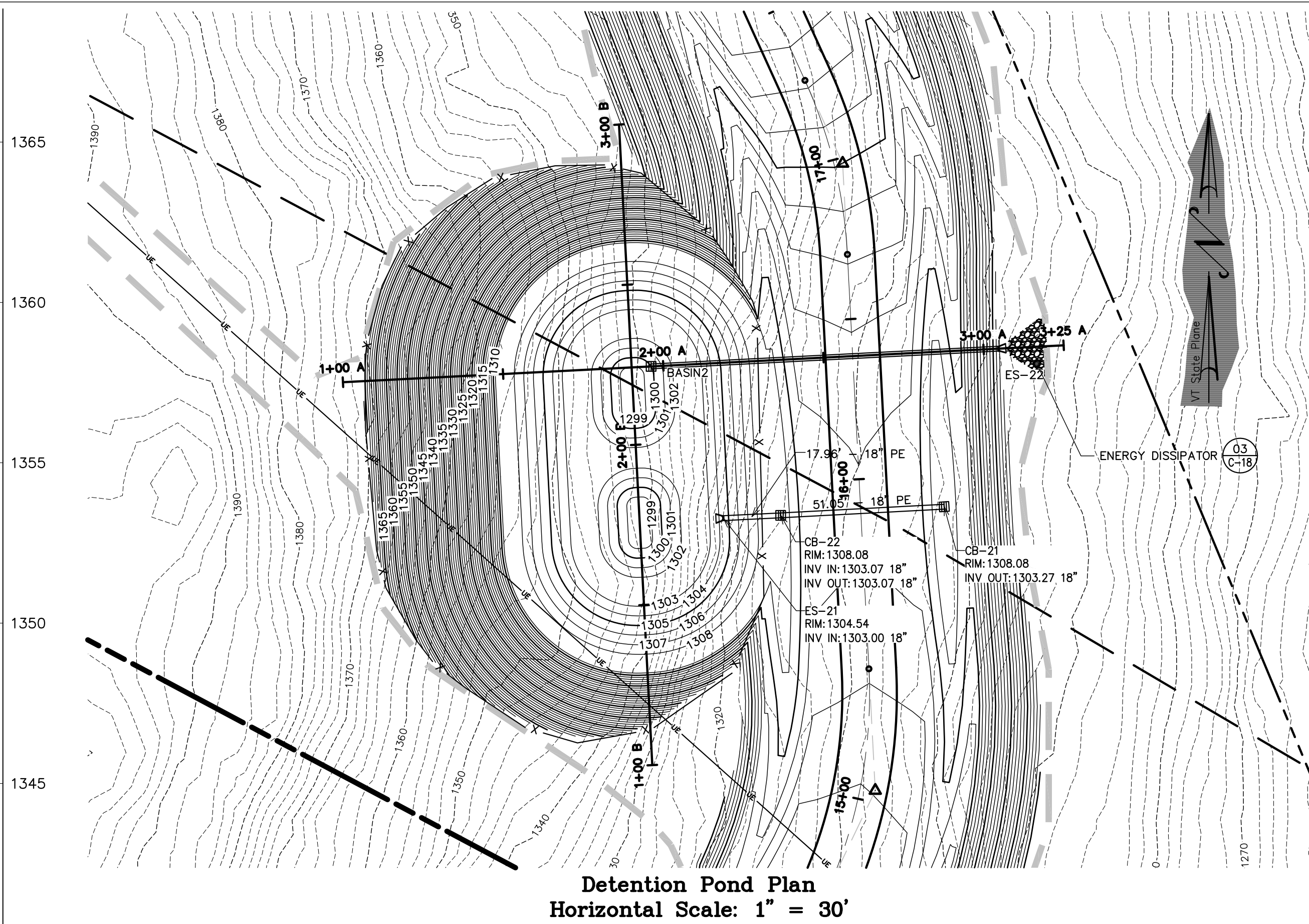
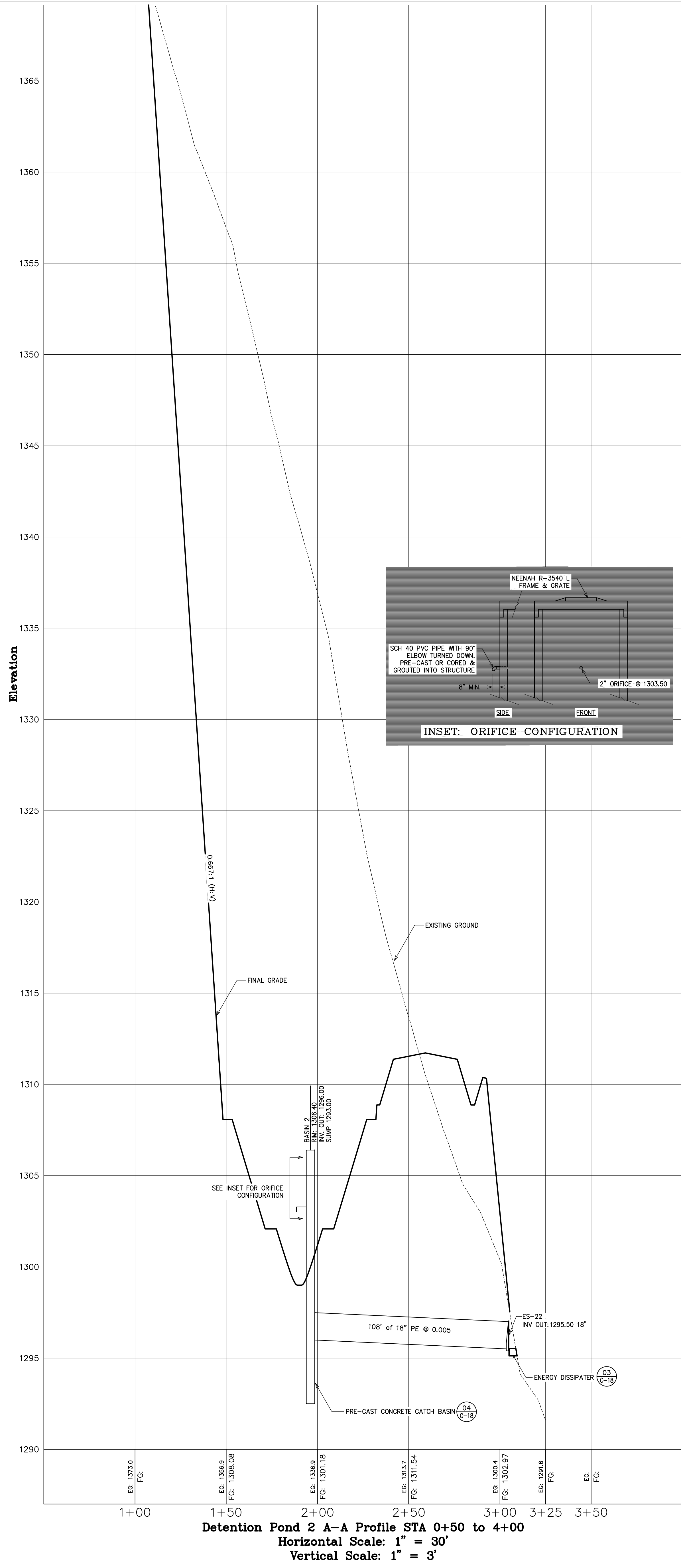
Detention Pond 1

HW Ventures LLC
Georgia, VT
Georgia Mountain Community Wind, LLC
Milton & Georgia, VT
Ted Road

CIVIL
C-12
SHEET 12 OF 18

For Permit Review

G:\2005 Drawings\051262-2 Georgia Mtn Road\Current\C-13 Detention Pond 2.dwg Plotted 3/25/2009 09:13:27



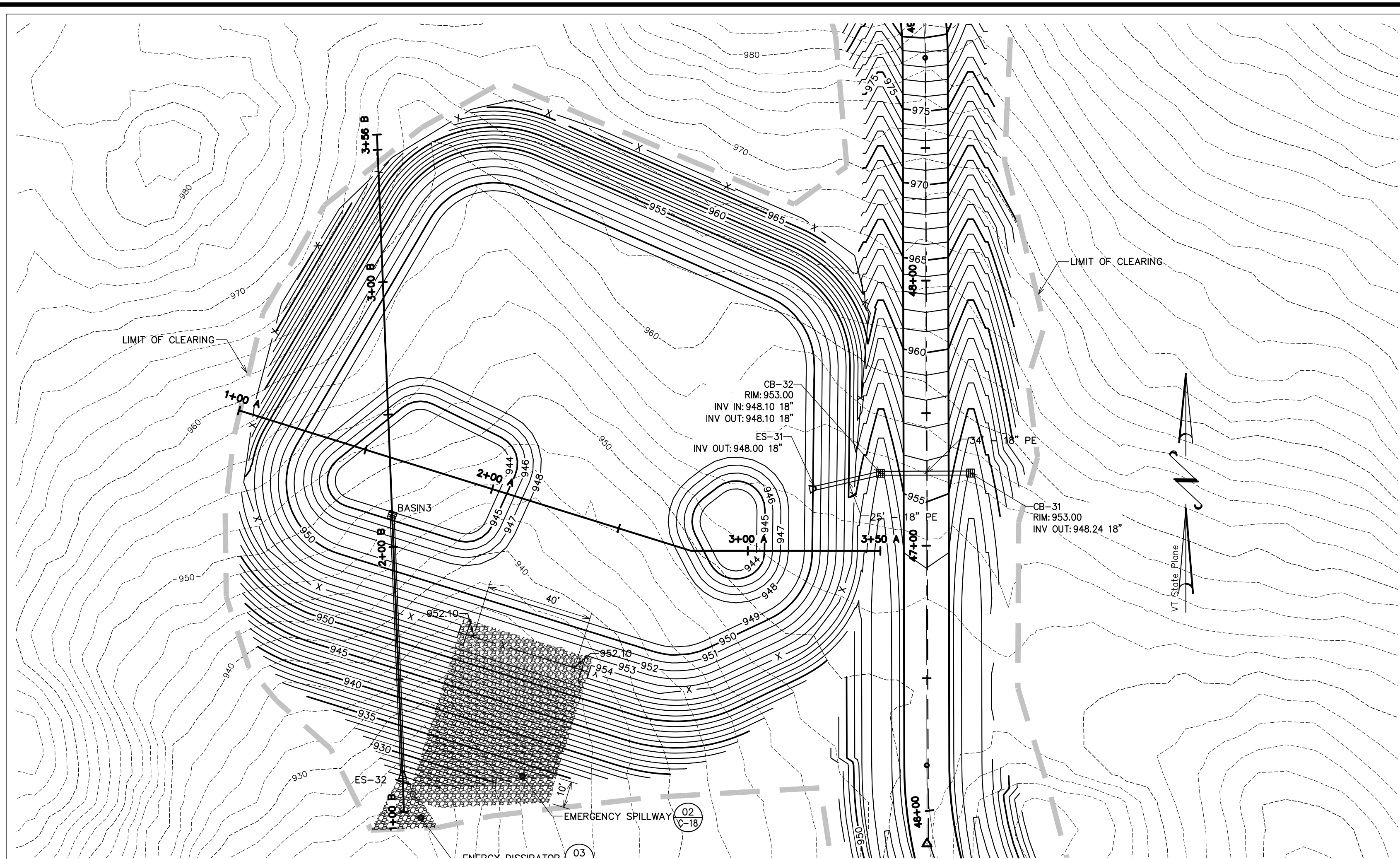
Pond Planting Plan					
Zone #	Elevation Range (ft)	Area (sq. ft.)	Example Species	Planting/Seeding Rate	Total Quantity
1	1298.08 - 1302.50	3,310	Water Lily, Water Celery, Pondweed	1 Plant / 4 square ft	830 Transplants
2	1302.50 - 1303.50	710	Northern Arrowhead, Softstem Bulrush	1 Plant / 4 square ft	180 Transplants
3	1303.50 - 1304.50	770	Moist Seed Mix	25 lbs / acre	0.4 pounds of seed
4	1304.50 - 1306.38	1,590	Upland Seed Mix	25 lbs / acre	0.9 pounds of seed
5	1306.38 and Above	1,610	Upland Seed Mix	25 lbs / acre	0.9 pounds of seed

*QUANTITIES GIVEN ARE APPROXIMATE. CONTRACTOR TO DETERMINE ACTUAL QUANTITIES.

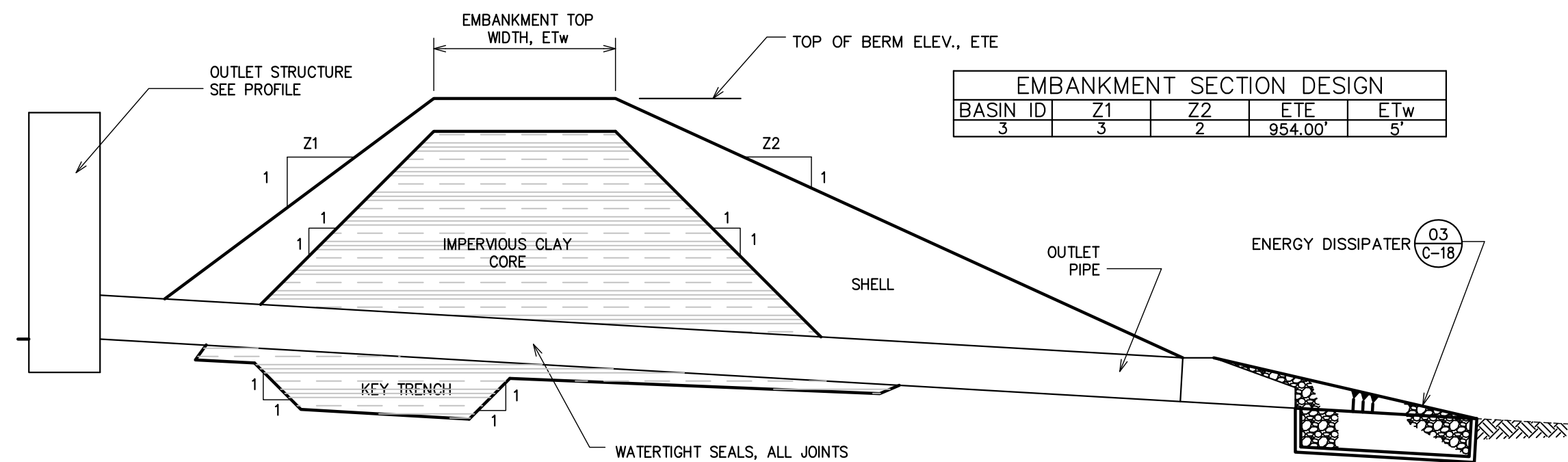
*QUANTITIES GIVEN ARE APPROXIMATE. CONTRACTOR TO DETERMINE ACTUAL QUANTITIES.

Detention Pond 2

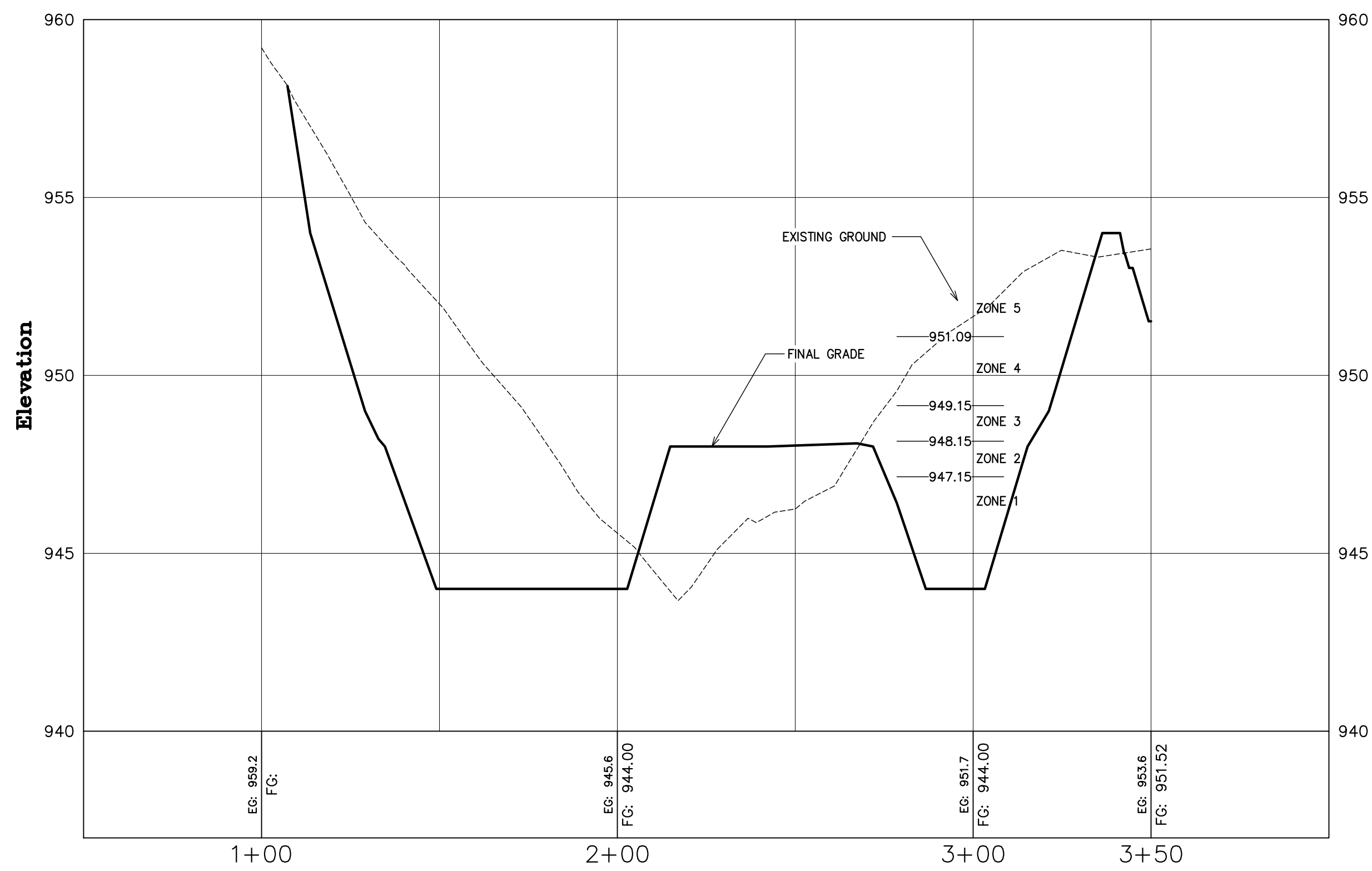
HW Ventures LLC
Georgia, VT
Georgia Mountain Community Wind, LLC
Milton & Georgia, VT
Ted Road



Detention Pond 3 Plan
Horizontal Scale: 1" = 30'



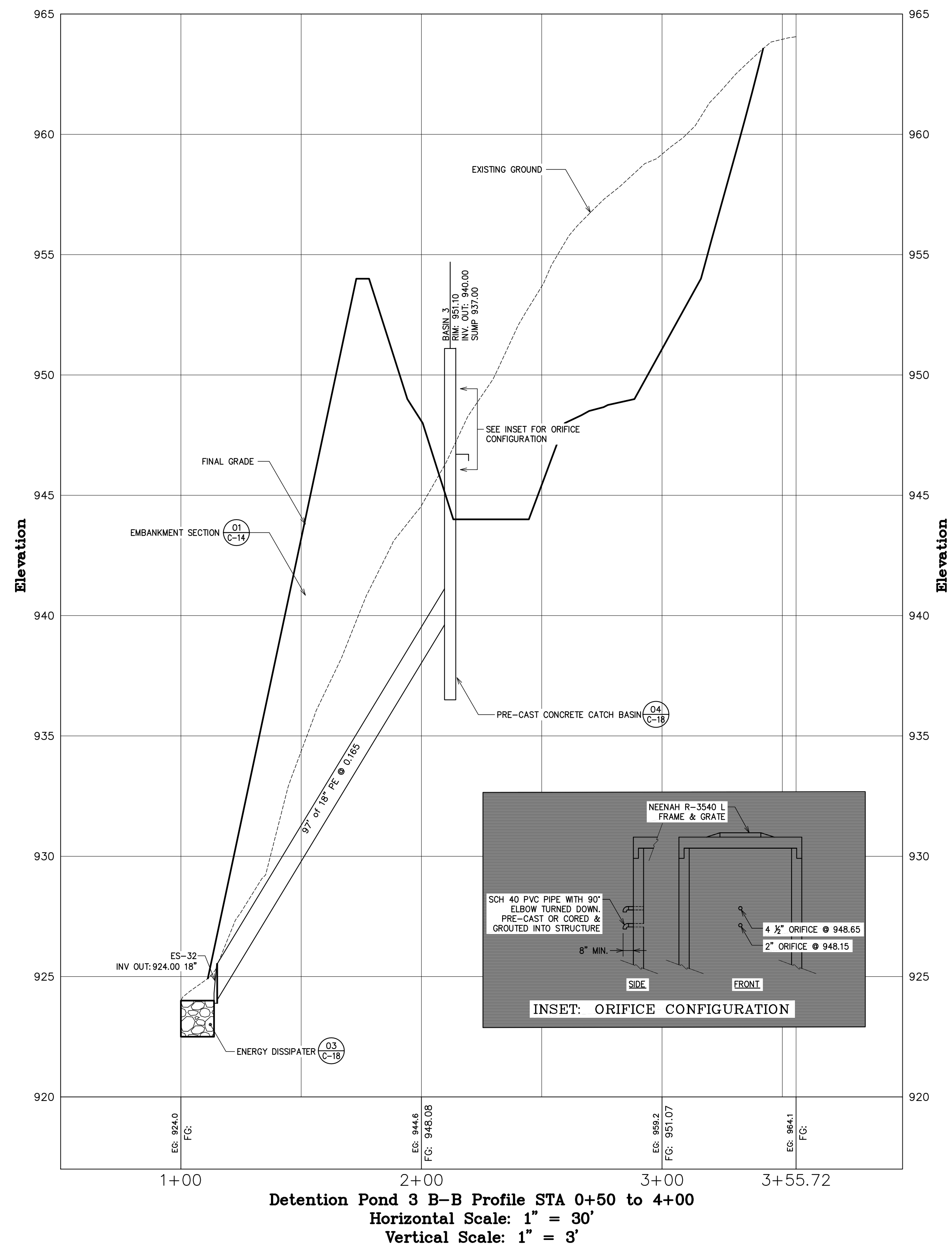
01 Embankment Section
C-14 NOT TO SCALE



Detention Pond 3 A-A Profile STA 0+50 to 4+00
Horizontal Scale: 1" = 30'
Vertical Scale: 1" = 3'

Pond Planting Plan					
Zone #	Elevation Range (ft)	Area (sq. ft.)	Example Species	Planting/Seeding Rate	Total Quantity
1	944.00 - 947.15	5,500	Water Lily, Water Celery, Pondweed	1 Plant / 4 square ft	1380 Transplants
2	947.15 - 948.15	3,560	Northern Arrowhead, Softstem Bulrush	1 Plant / 4 square ft	890 Transplants
3	948.15 - 949.15	14,800	Moist Seed Mix	25 lbs / acre	8.5 pounds of seed
4	949.15 - 951.09	3,490	Upland Seed Mix	25 lbs / acre	3.2 pounds of seed
5	951.09 and Above	5,630	Upland Seed Mix	25 lbs / acre	3.2 pounds of seed

*QUANTITIES GIVEN ARE APPROXIMATE. CONTRACTOR TO DETERMINE ACTUAL QUANTITIES.



Detention Pond 3 B-B Profile STA 0+50 to 4+00
Horizontal Scale: 1" = 30'
Vertical Scale: 1" = 3'

Detention Pond 3

HW Ventures LLC
Georgia, VT
Georgia Mountain Community Wind, LLC
Milton & Georgia, VT
Ted Road

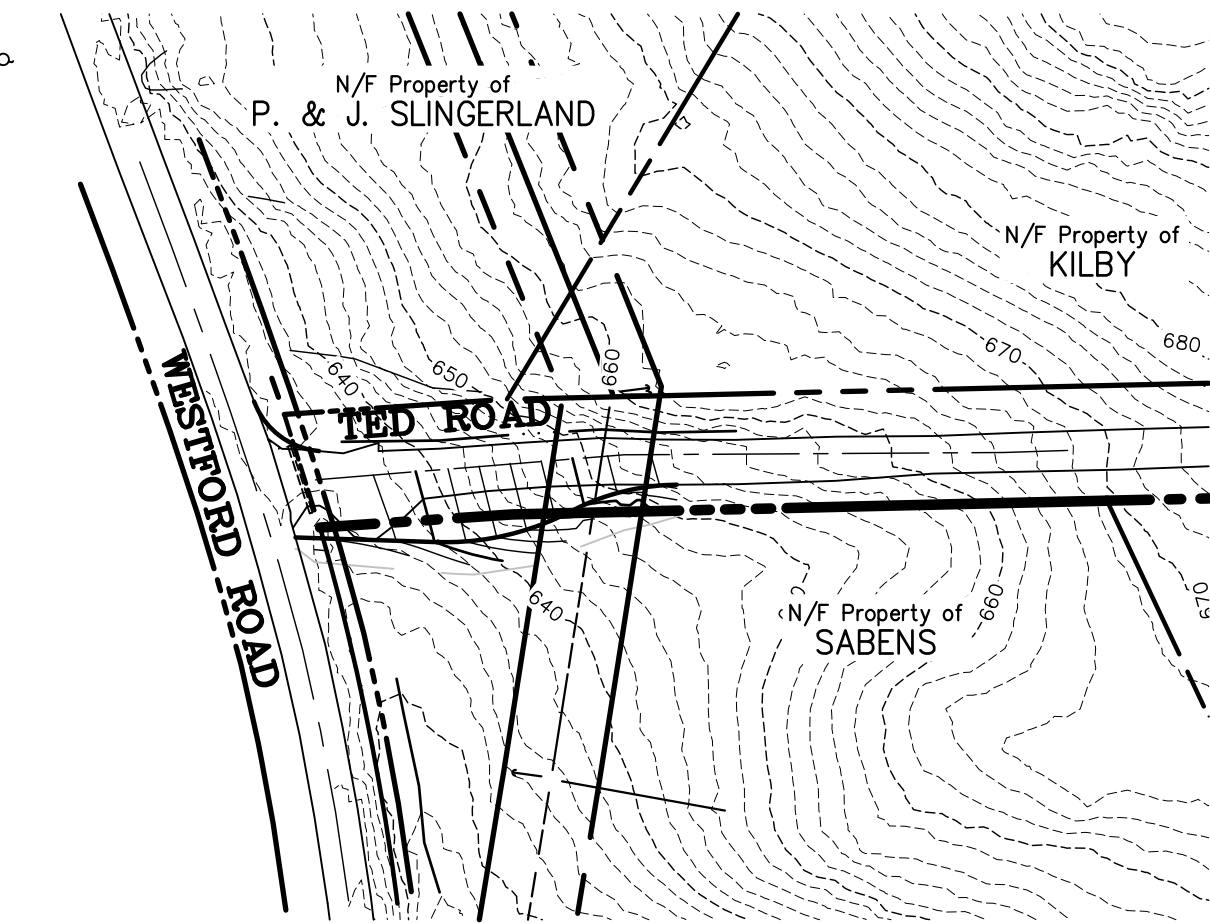
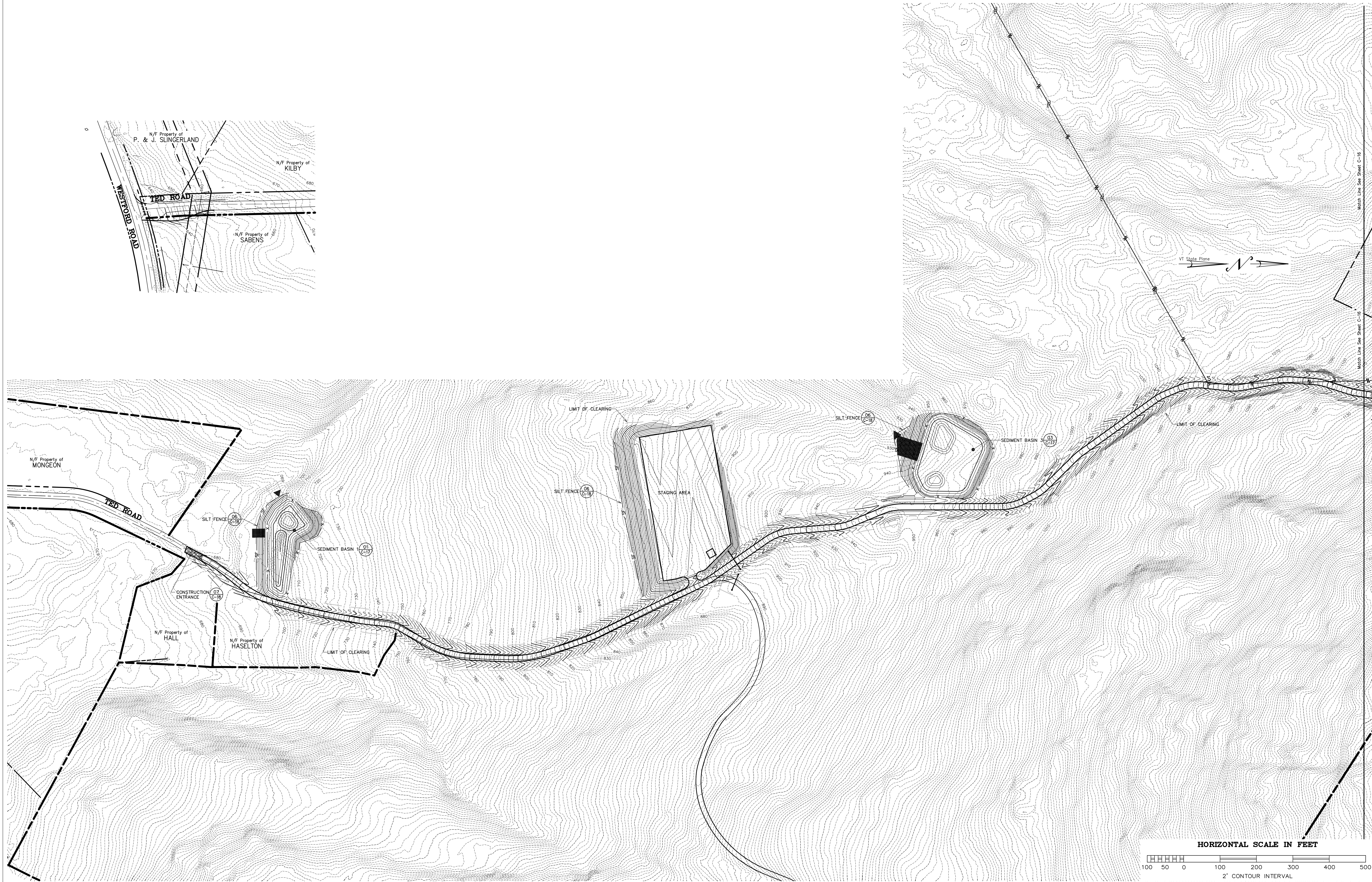
CIVIL
C-14

SHEET 14 OF 18

PROJECT: 05126.2
DATE: 3/24/2009
DESIGN: DSW
DRAWN: CCE
CHECKED: PHC
APPROVED: PHC
SCALE: 1" = 30'

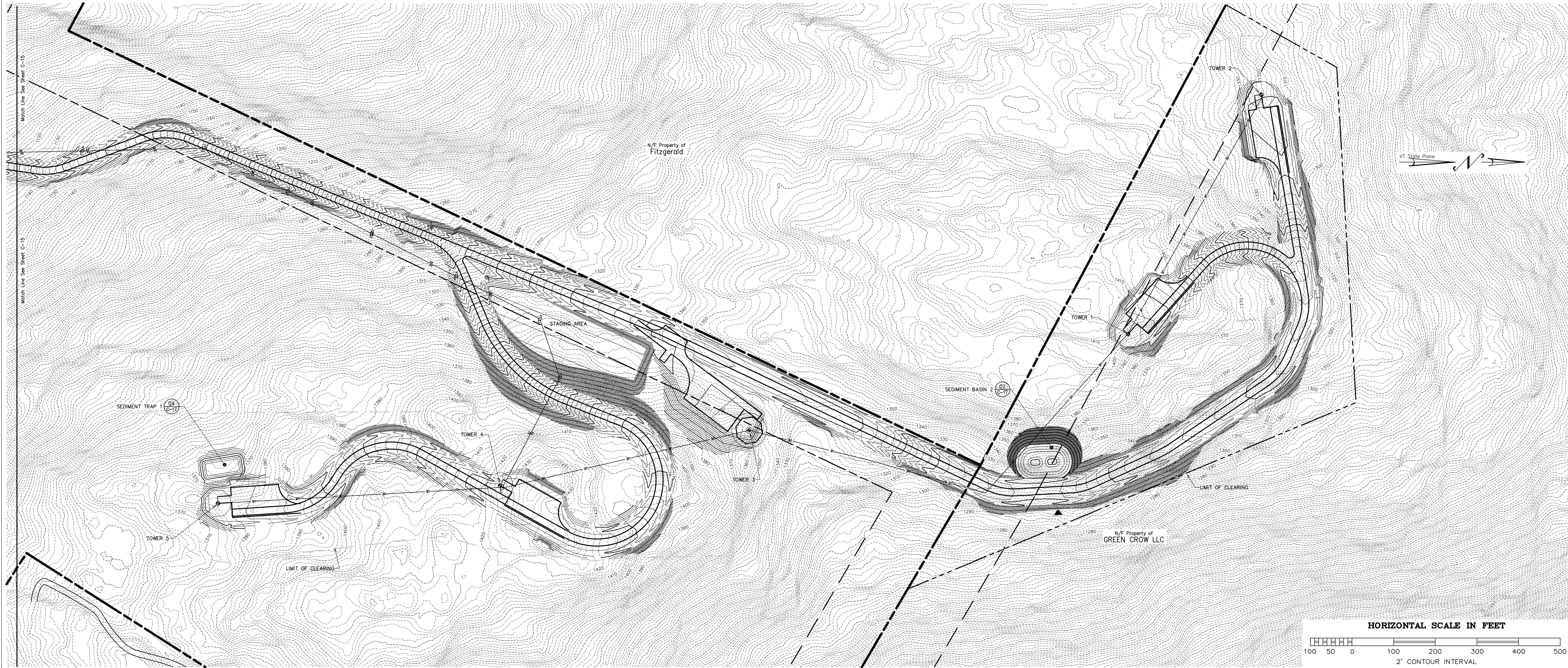
CCE CROSS CONSULTING ENGINEERS, P.C.
103 Fairfax Rd.
St. Albans, Vermont 05478
© 2009 Cross Consulting Engineers, P.C.

G:\2005 Drawings\05126.2 Georgia Win Road\Current\C-15 & 16 Erosion Control Plan.dwg Plotted 3/25/2009 09:16:09



PROJECT: 05126.2 DATE: 3/24/2009 DESIGN: DSW DRAWN: CCE CHECKED: PHC APPROVED: PHC SCALE: 1" = 100'		CCE CROSS CONSULTING ENGINEERS, P.C. 103 Fairfax Rd. St. Albans, Vermont 05478 © 2009 Cross Consulting Engineers, P.C.		Erosion Control Plan		HW Ventures LLC Georgia, VT Georgia Mountain Community Wind, LLC Milton & Georgia, VT Ted Road		CIVIL C-15		SHEET 15 OF 18	
---	--	---	--	----------------------	--	--	--	---------------	--	----------------	--

G:\2005 Drawings\051262.2 Georgia Wn Road\Current\C-15 & 16 Erosion Control Plan.dwg Plotted: 3/25/2009 09:16:59



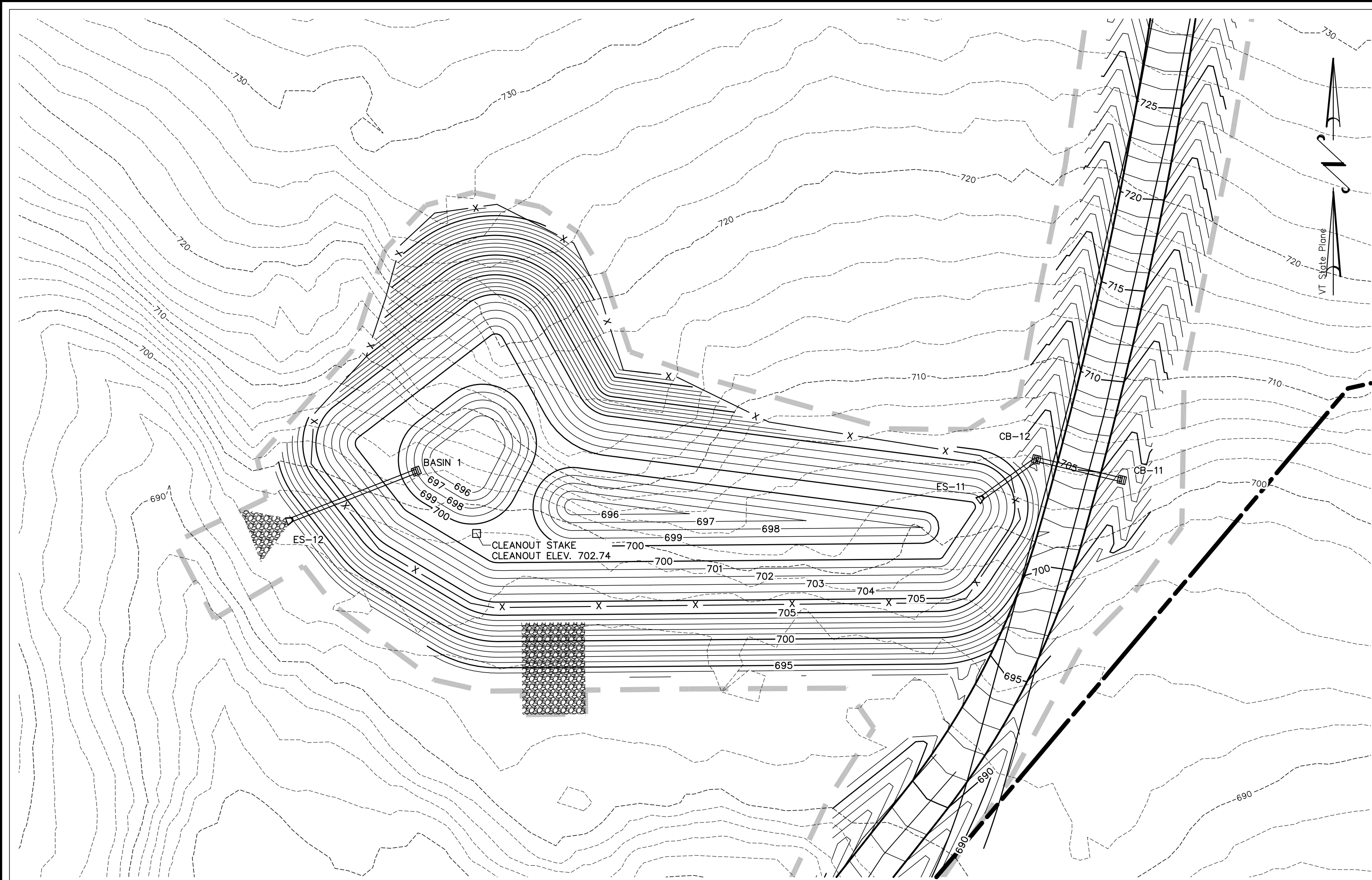
CCE **CROSS**
CONSULTING ENGINEERS, P.C.

PROJECT: 051262.2
DATE: 3/24/2009
DESIGN: DSW
DRAWN: CCE
CHECKED: PHC
APPROVED: PHC
SCALE: 1" = 100'

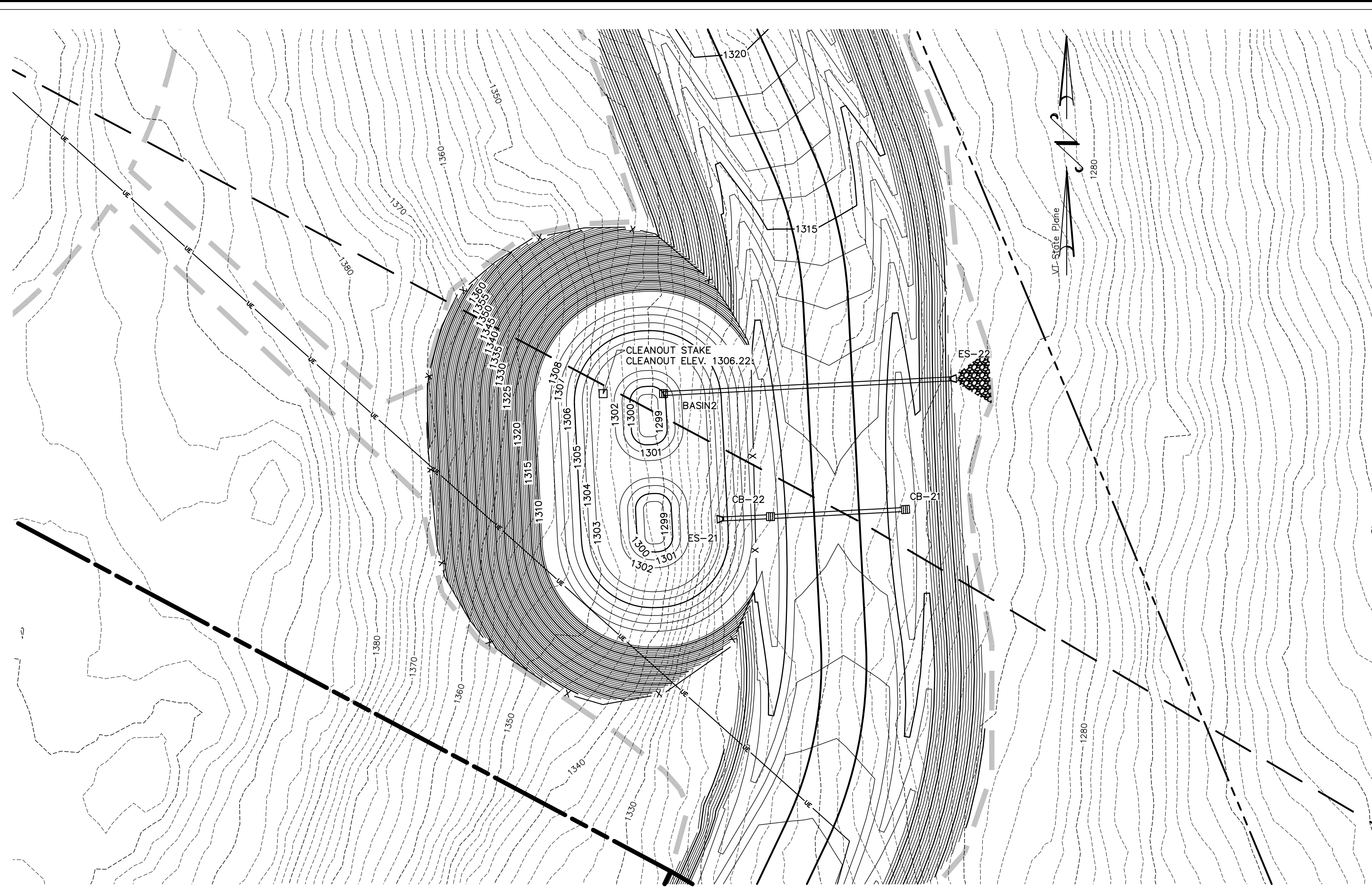
Erosion Control Plan

HW Ventures LLC
Georgia, VT
Georgia Mountain Community Wind, LLC
Milton & Georgia, VT
Ted Road

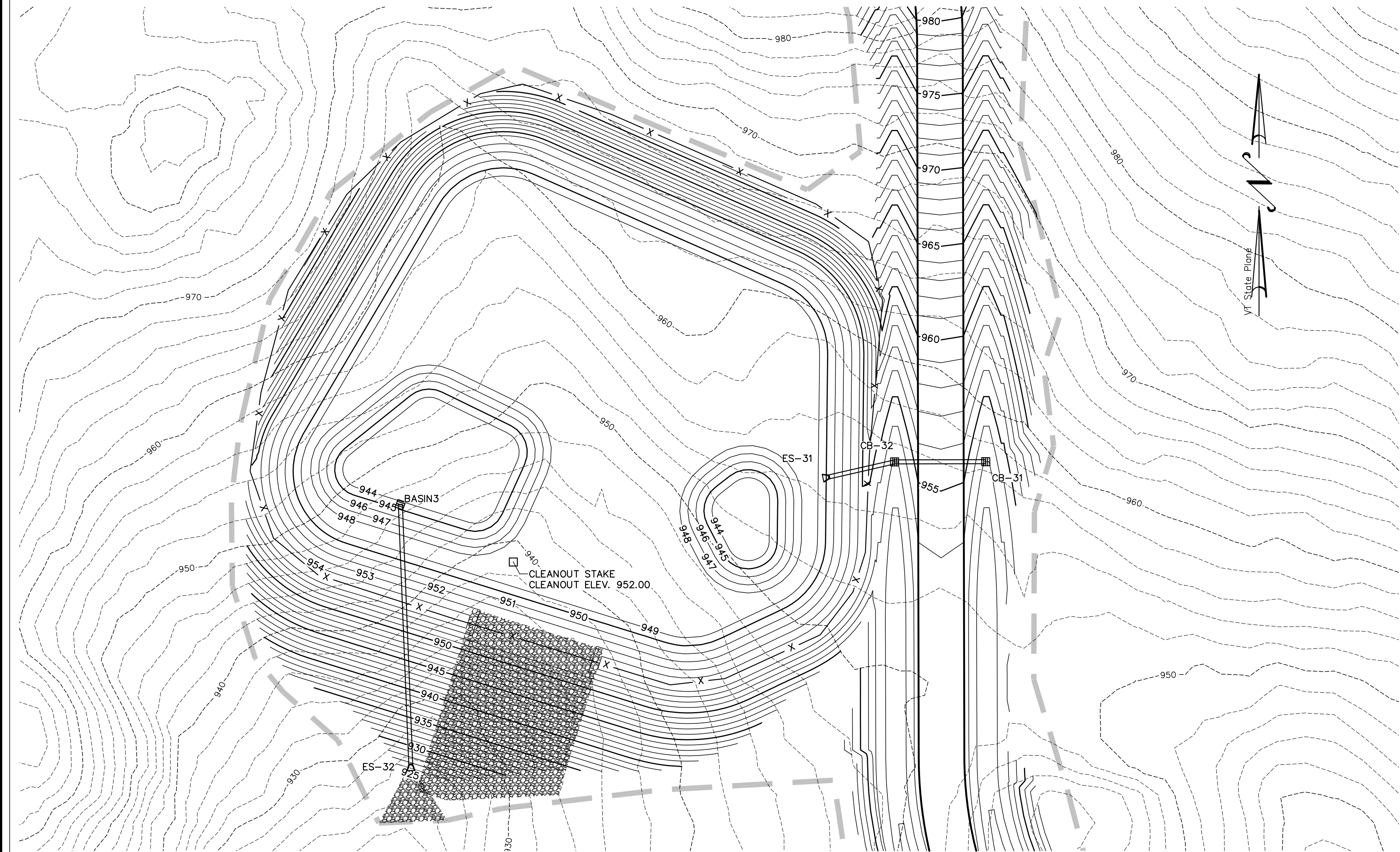
CIVIL
C-16
SHEET 16 OF 18



01 Sediment Basin 1
C-17 SCALE: 1" = 30'



02 Sediment Basin 2
C-17 SCALE: 1" = 30'

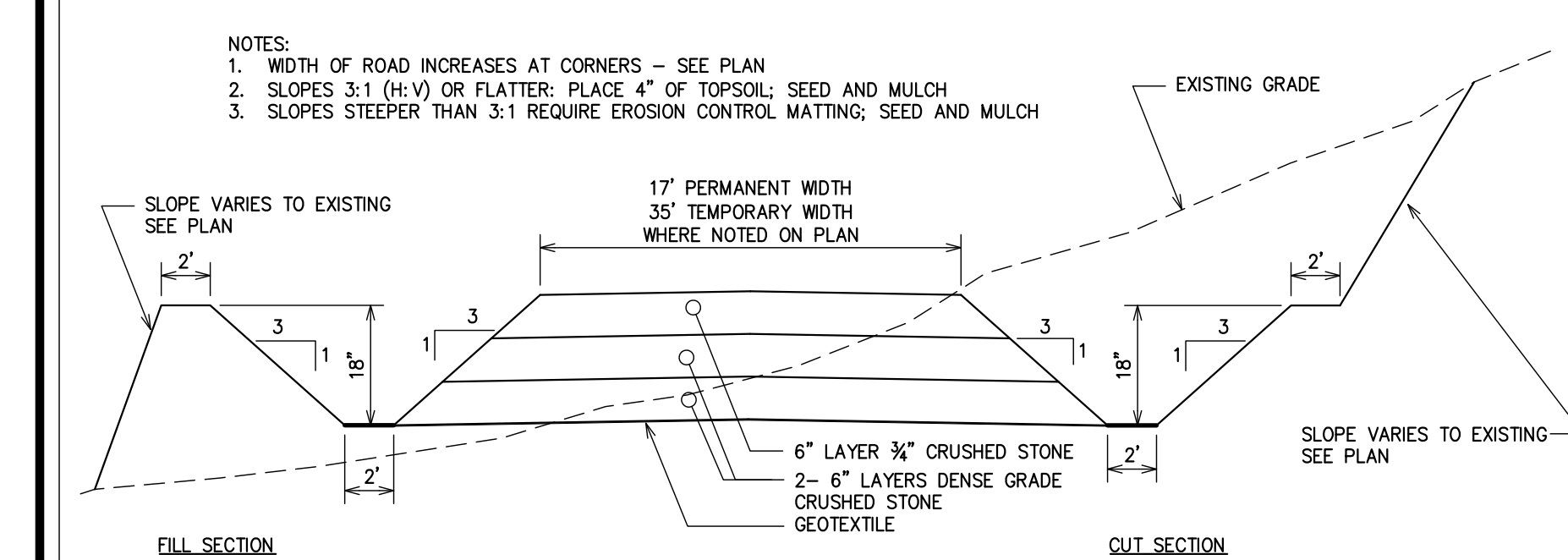


03 Sediment Basin 3
C-17 SCALE: 1" = 30'

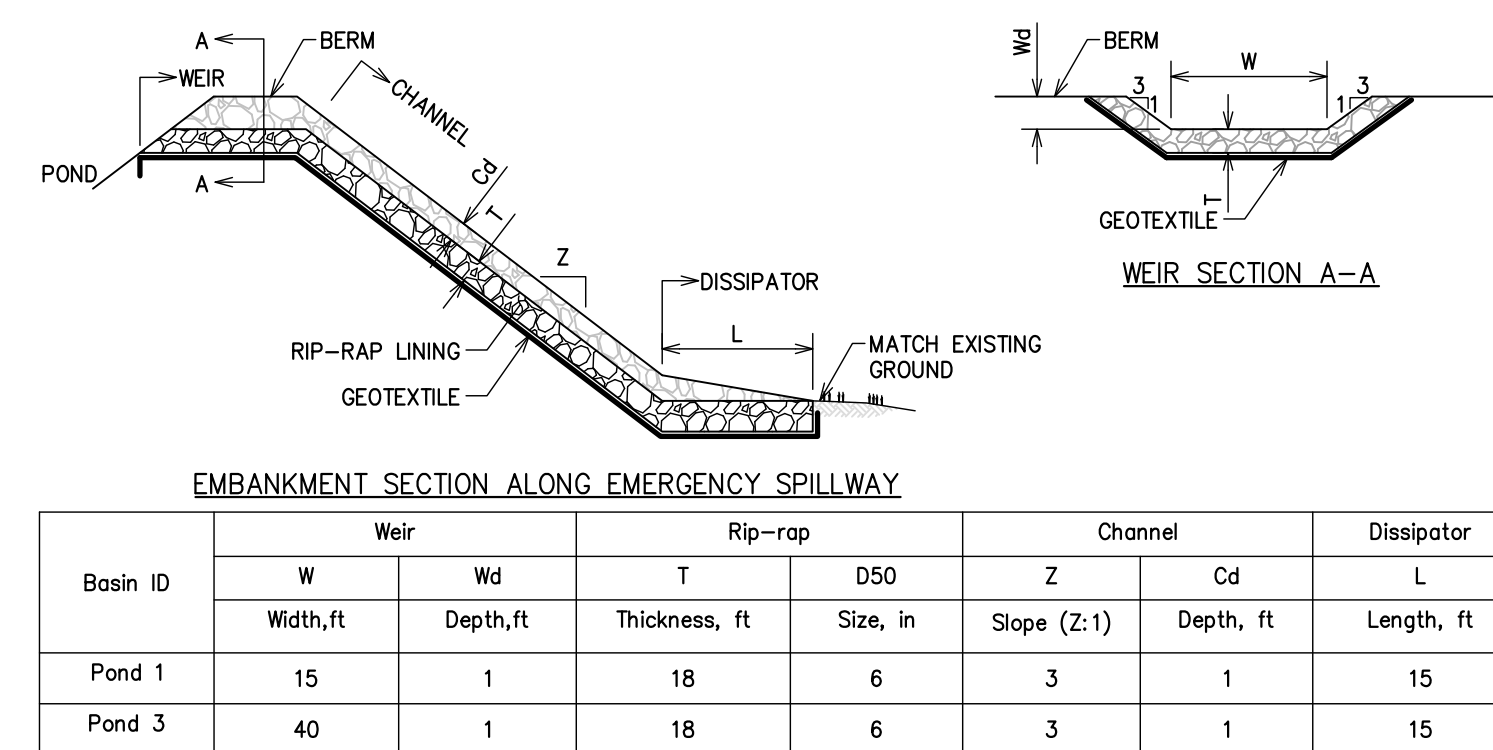


04 Sediment Trap 1
C-17 SCALE: 1" = 30'

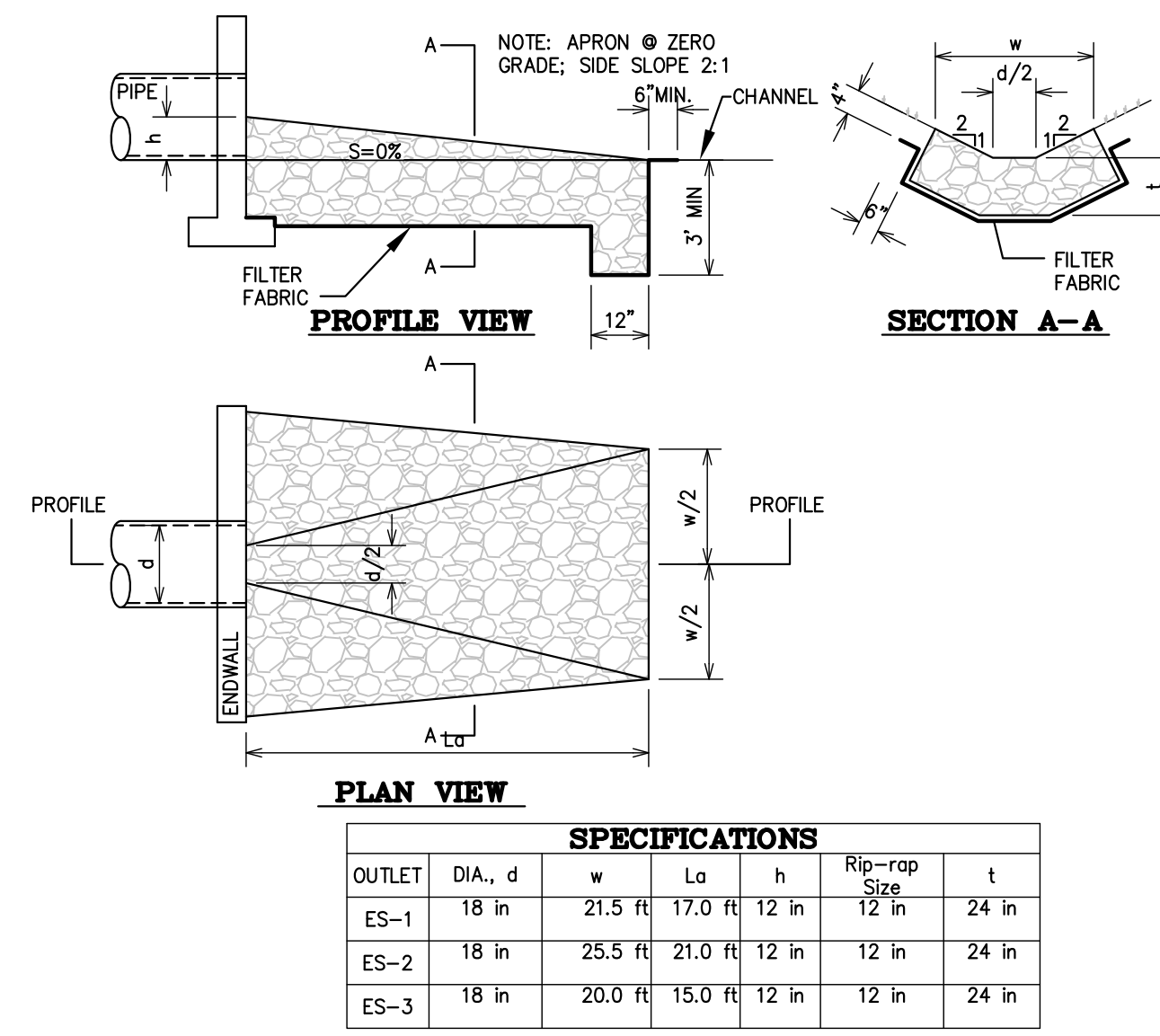
CCE CROSS CONSULTING ENGINEERS, P.C. 103 Fairfax Rd. St. Albans, Vermont 05478 © 2009 Cross Consulting Engineers, P.C.	PROJECT: 05126.2 DATE: 3/24/2009 DESIGN: DSW DRAWN: CCE CHECKED: PHC APPROVED: PHC SCALE: #####
	PROJECT: 05126.2 DATE: 3/24/2009 DESIGN: DSW DRAWN: CCE CHECKED: PHC APPROVED: PHC SCALE: #####
Erosion Control Plan	
HW Ventures LLC Georgia, VT	
Georgia Mountain Community Wind Project Milton & Georgia, VT	
Ted Road	
CIVIL	



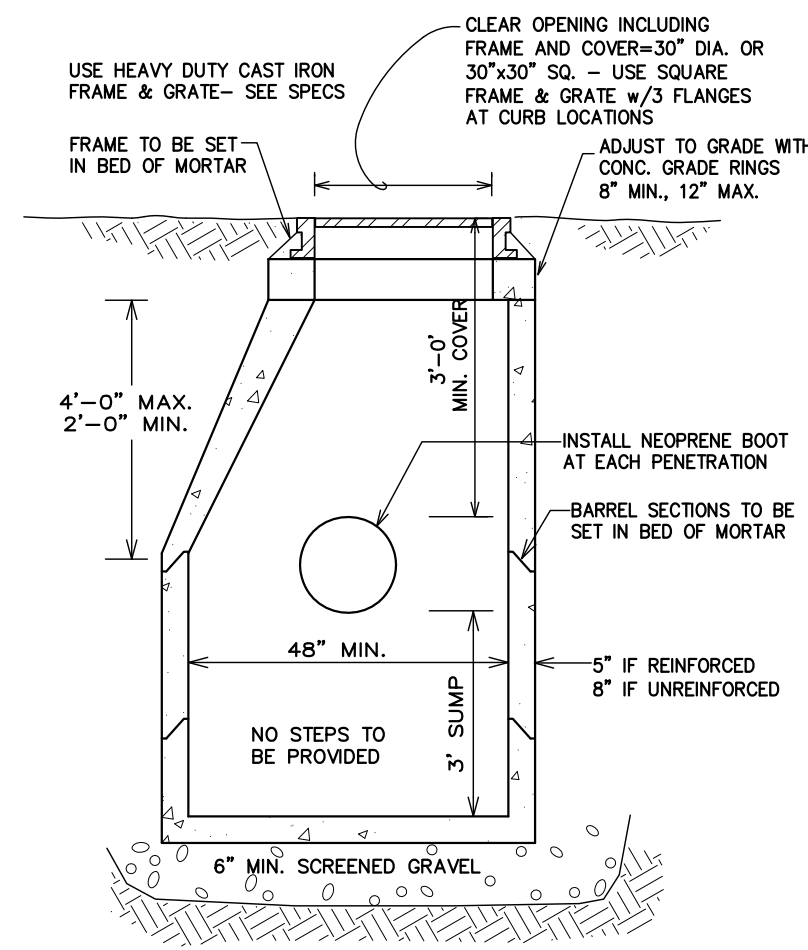
01 Road Cross Section
C-18 NOT TO SCALE



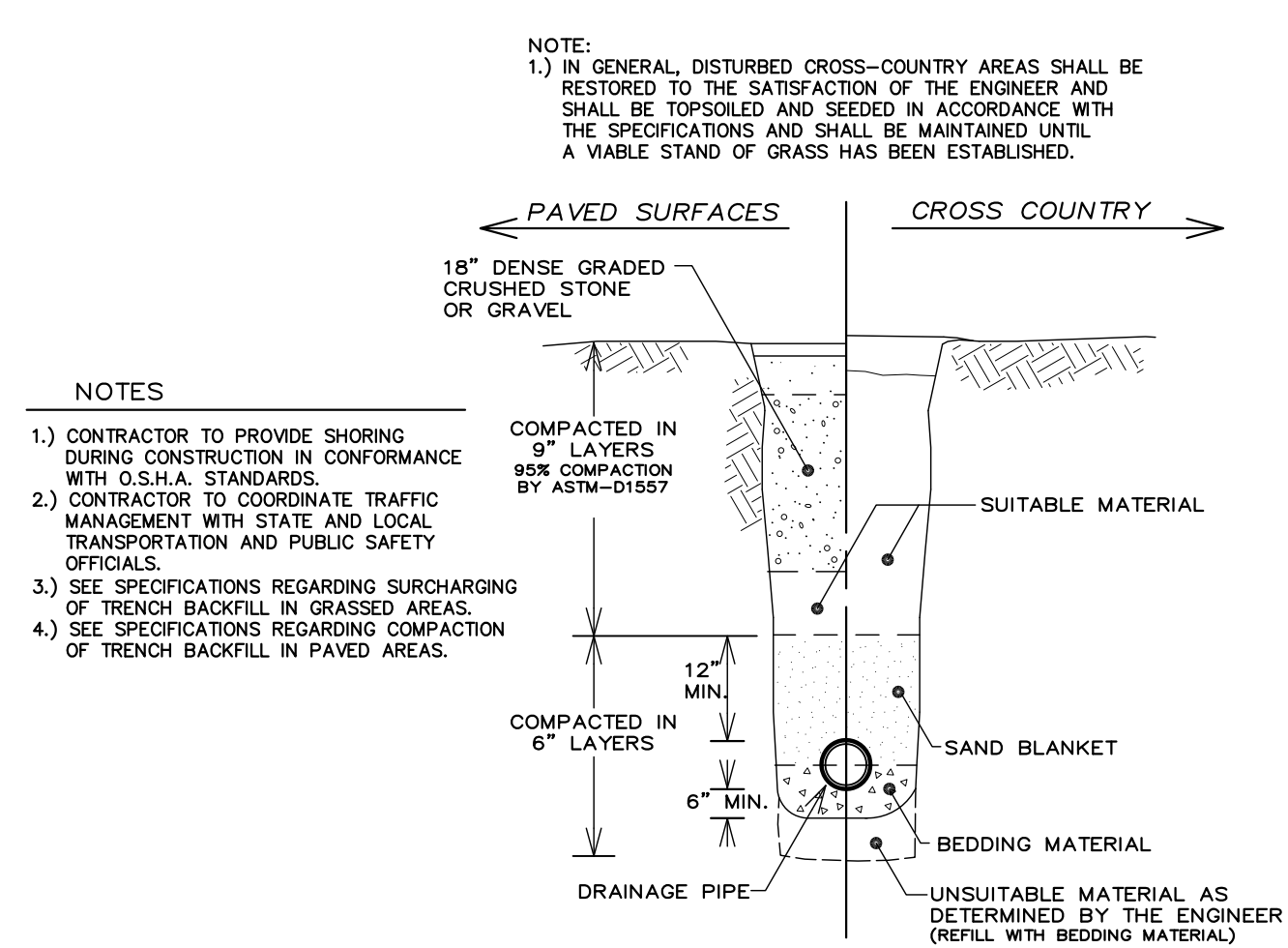
02 Emergency Spillway
C-18 NOT TO SCALE



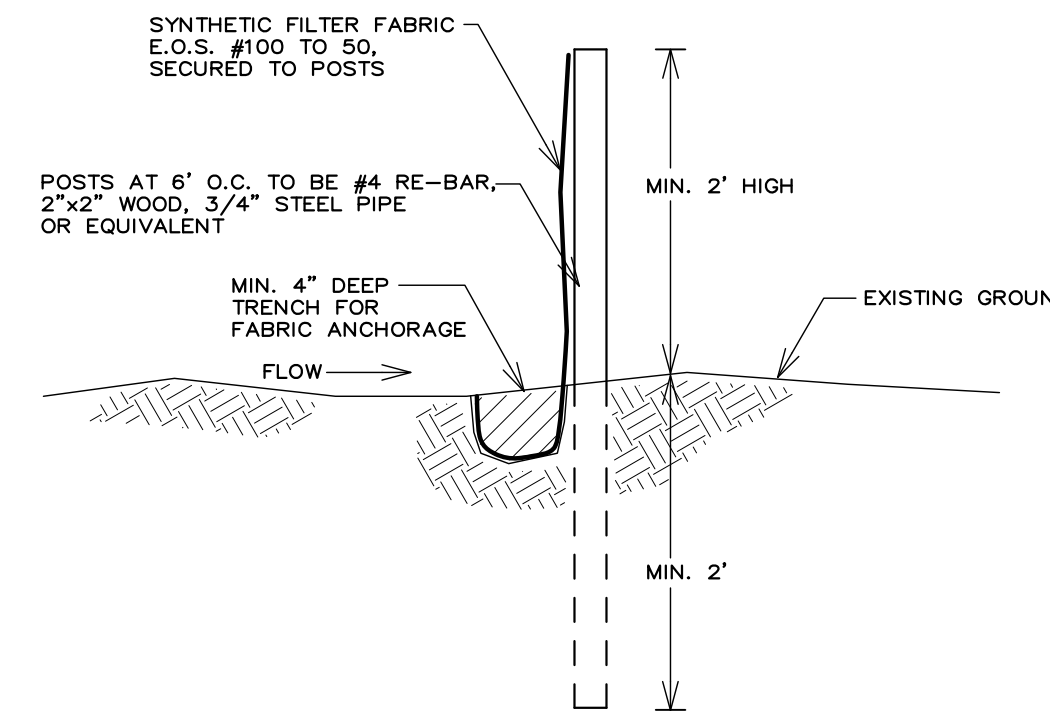
03 Energy Dissipater
C-18 NOT TO SCALE



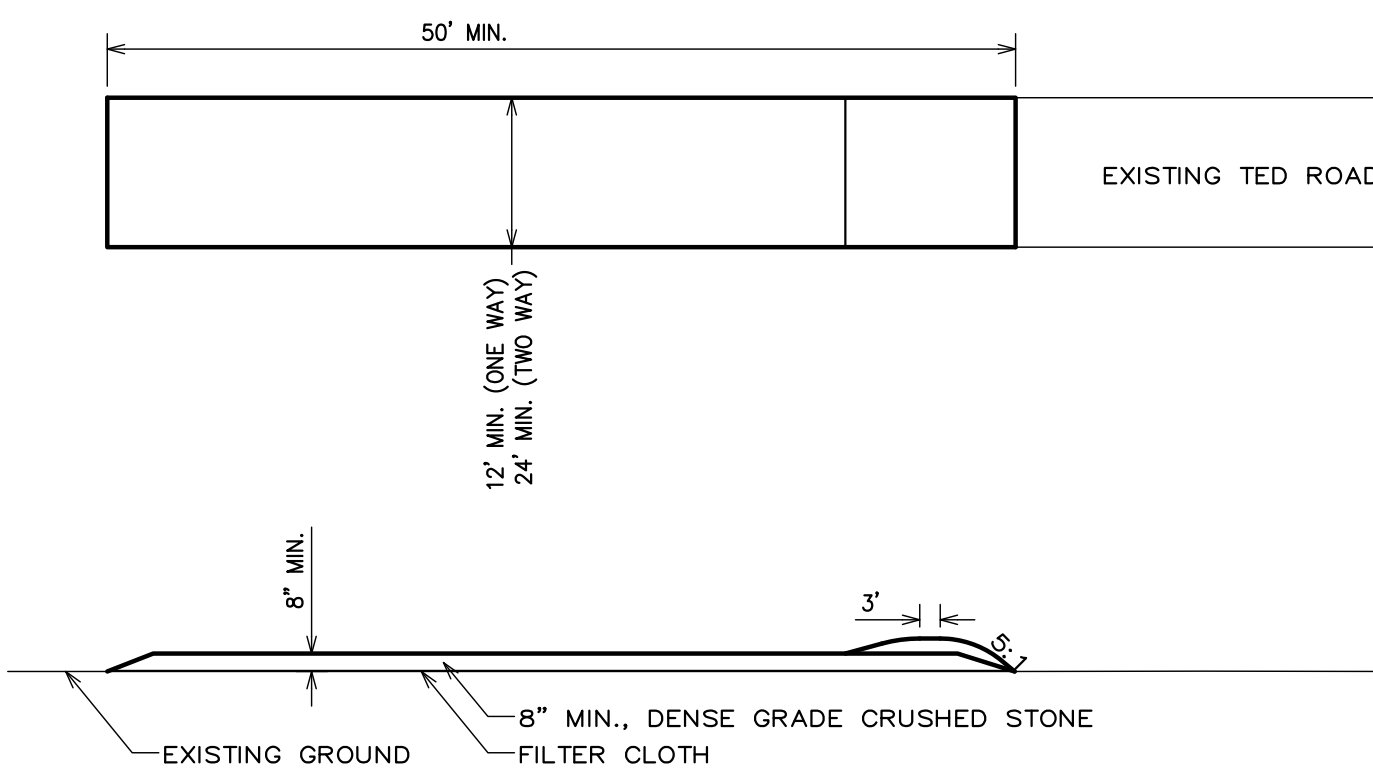
04 Catch Basin
C-18 NOT TO SCALE



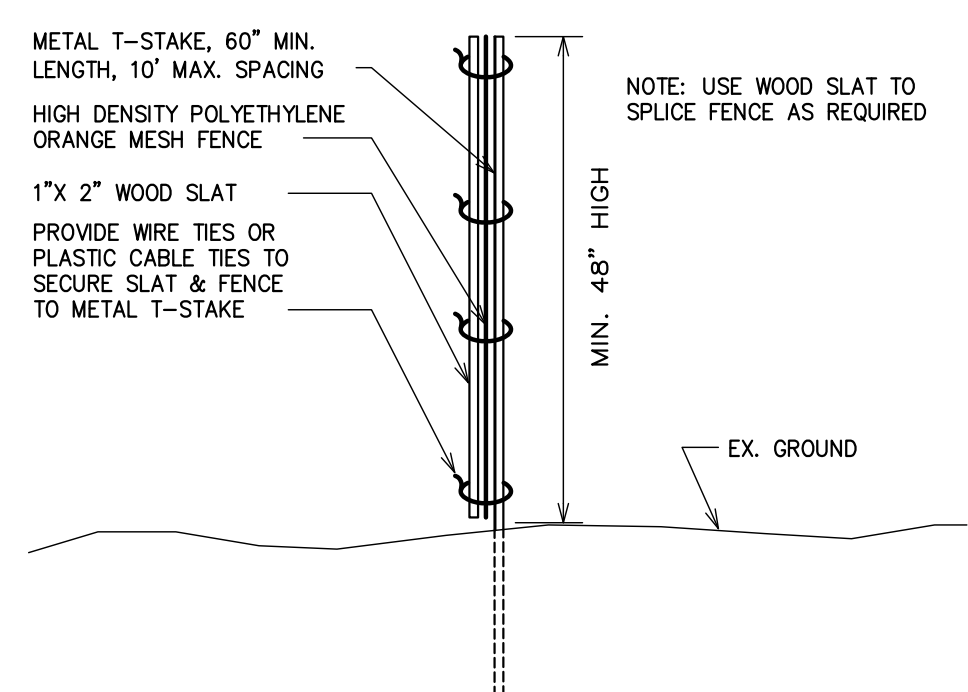
05 Storm Drain Trench
C-18 NOT TO SCALE



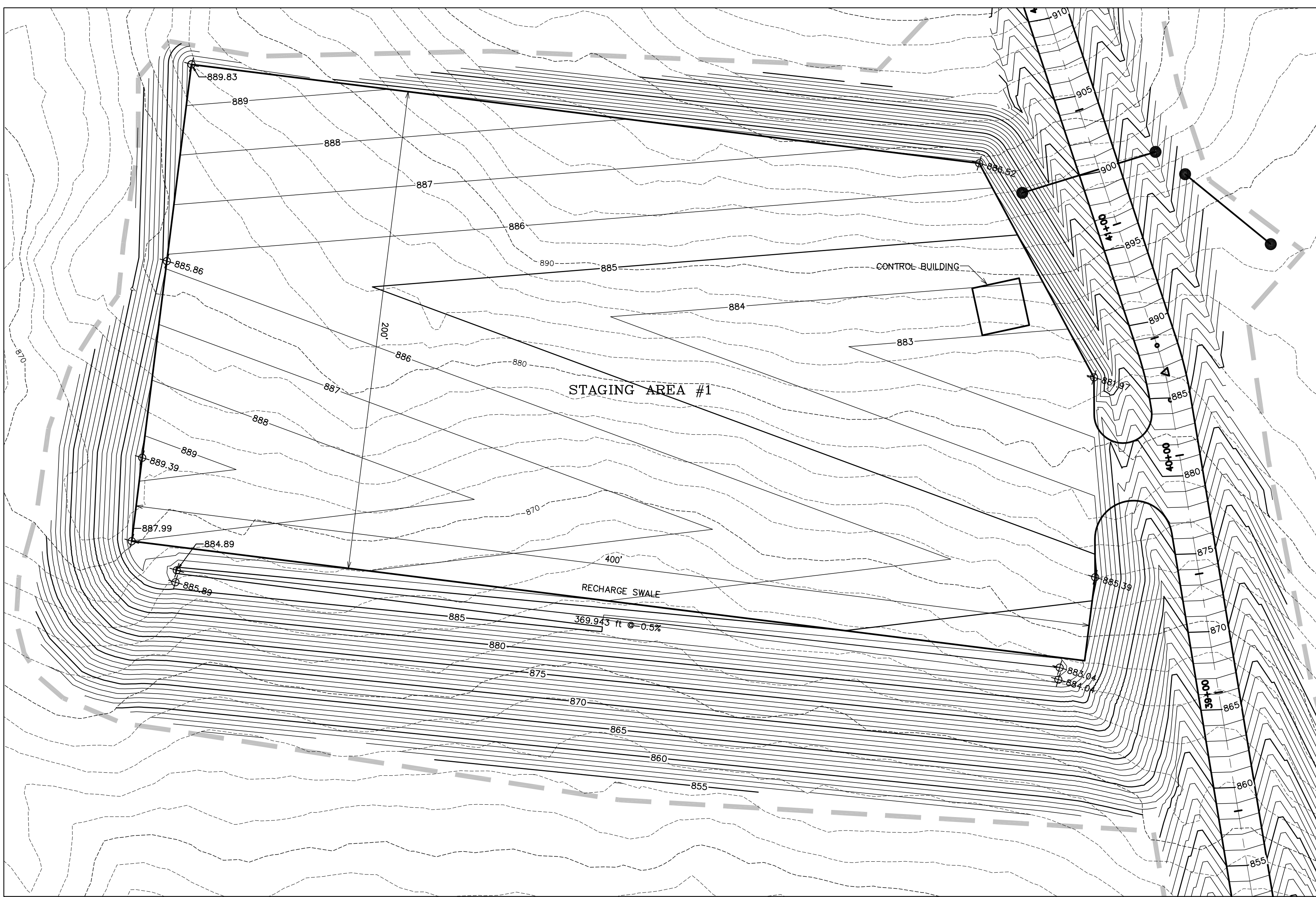
06 Silt Fence
C-18 NOT TO SCALE



07 Construction Entrance
C-18 NOT TO SCALE



08 Construction Fence
C-18 NOT TO SCALE



09 Staging Area #1 And Recharge Swale
C-18 SCALE: 1" = 30'

Details

HW Ventures LLC
Georgia, VT
Georgia Mountain Community Wind Project
Milton & Georgia, VT
Ted Road

CIVIL
C-18

For Permit Review