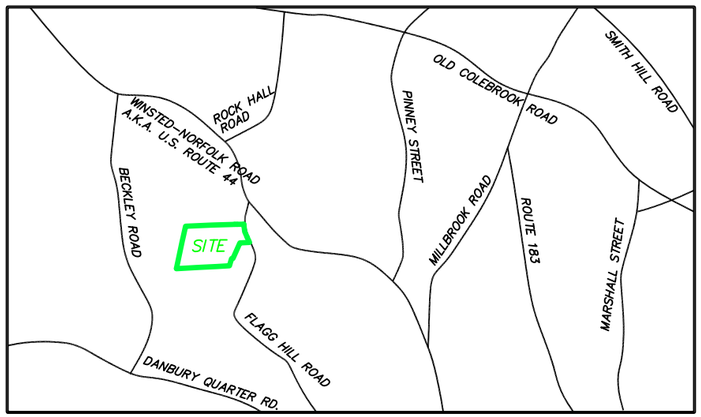
WIND COLEBROOK SOUTH

FLAGG HILL ROAD
COLEBROOK, CONNECTICUT



VICINITY MAP

CONNECTICUT SITING
COUNCIL SUBMISSION

APPLICANT
BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT

ENGINEER
CIVIL 1
43 SHERMAN HILL ROAD, SUITE D–101
WOODBURY, CT

ENVIRONMENTAL CONSULTANTS
VHB
54 TUTTLE PLACE
MIDDLETOWN, CT

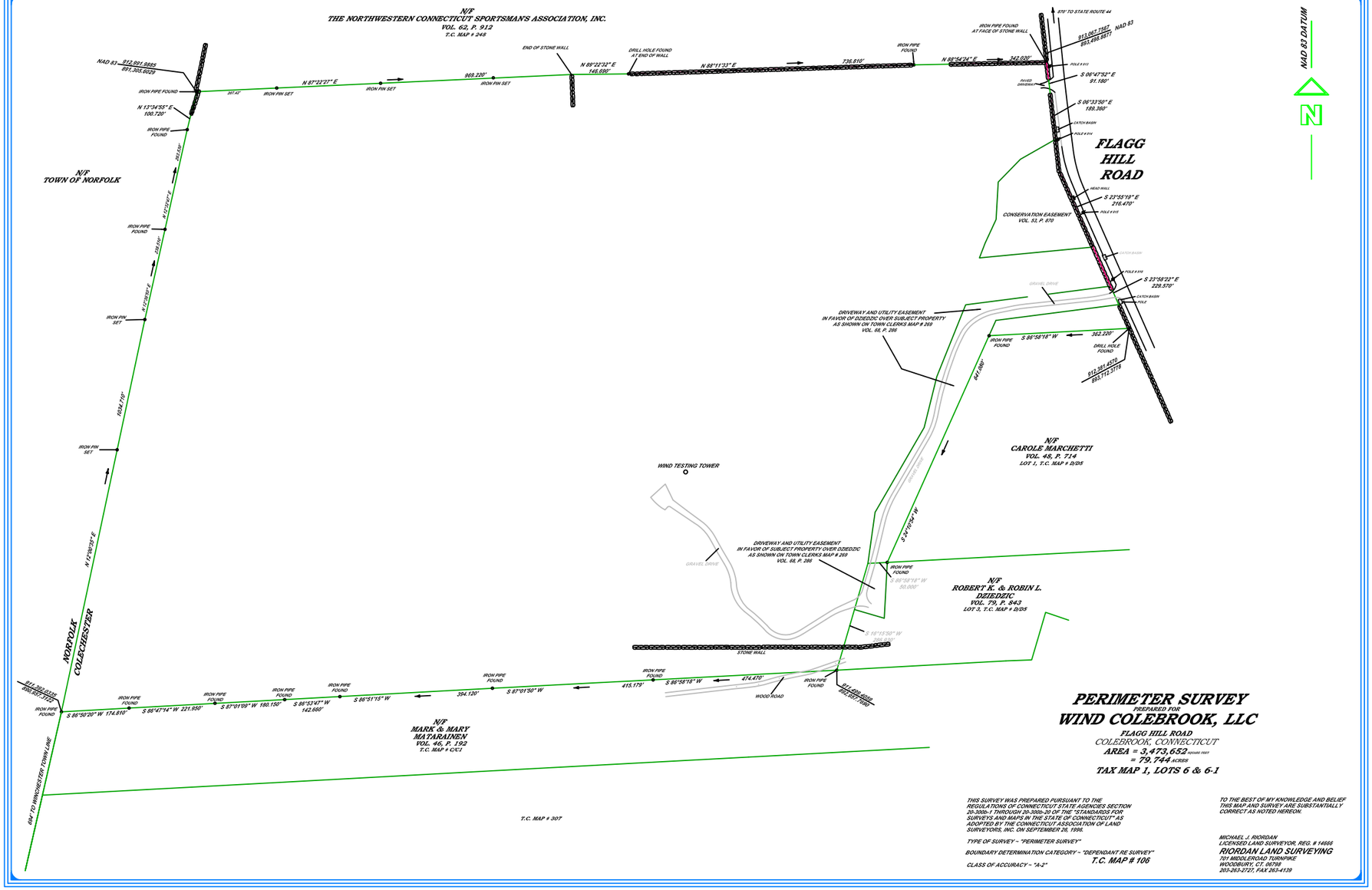
MICHAEL W. KLEMENS, LLC
P.O. BOX 432
FALLS VILLAGE, CT

SURVEYOR
RIORDAN LAND SURVEYING
701 MIDDLEROAD TURNPIKE
WOODBURY, CT

CIVIL 1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

AUGUST 26, 2011
REVISED AUGUST 28, 2012

SHEET NUMBER	DESCRIPTION
C001	PROPERTY SURVEY
C002	SITE PLAN WITH AERIAL IMAGERY
C003	CLEARING LIMITS PLAN & VERNAL POOL ANALYSIS
C100	OVERALL SITE PLAN
C101	TURBINE ONE SITE PLAN
C102	CRANE ASSEMBLY AREA SITE PLAN
C103	TURBINE TWO SITE PLAN
C104	TURBINE THREE SITE PLAN
C200	EROSION CONTROL PLAN
C201	EROSION CONTROL PLAN COLLECTOR YARD
C202	EROSION CONTROL PLAN MAIN ACCESS DRIVE 0+00 TO 7+50
C203	EROSION CONTROL PLAN MAIN ACCESS DRIVE 7+50 TO 17+50
C204	EROSION CONTROL PLAN TURBINE ONE AND MAIN ACCESS DRIVE 12+10 TO 18+50
C205	EROSION CONTROL PLAN CRANE ASSEMBLY AND MAIN ACCESS DRIVE 18+50 TO 23+00
C206	EROSION CONTROL PLAN TURBINE TWO AND MAIN ACCESS DRIVE 23+00 TO 31+30
C207	EROSION CONTROL PLAN TURBINE THREE AND MAIN ACCESS DRIVE 31+50 TO 37+83
C300	GRADING PLAN
C301	GRADING PLAN COLLECTOR YARD
C302	GRADING PLAN MAIN ACCESS DRIVE 0+00 TO 7+50
C303	GRADING PLAN MAIN ACCESS DRIVE 7+50 TO 17+50
C304	GRADING PLAN TURBINE ONE AND MAIN ACCESS DRIVE 12+10 TO 18+50
C305	GRADING PLAN MAIN ACCESS DRIVE 18+50 TO 23+50
C306	GRADING PLAN TURBINE TWO AND MAIN ACCESS DRIVE 23+50 TO 31+30
C307	GRADING PLAN TURBINE THREE AND MAIN ACCESS DRIVE 31+30 TO 37+83
C401	MAIN ACCESS DRIVE PLAN AND PROFILE 0+00 TO 7+00
C402	MAIN ACCESS DRIVE PLAN AND PROFILE 7+00 TO 14+00
C403	MAIN ACCESS DRIVE PLAN AND PROFILE 14+00 TO 19+00
C404	MAIN ACCESS DRIVE PLAN AND PROFILE 19+00 TO 25+00
C405	MAIN ACCESS DRIVE PLAN AND PROFILE 25+00 TO 31+00
C406	MAIN ACCESS DRIVE PLAN AND PROFILE 31+00 TO 37+83.13
C407	STORM DRAINAGE PROFILES MAIN ACCESS DRIVE
C408	STORM DRAINAGE PROFILES MAIN ACCESS DRIVE
C500	POST CONSTRUCTION GRADING PLAN
C501	POST CONSTRUCTION GRADING PLAN COLLECTOR YARD
C502	POST CONSTRUCTION GRADING PLAN MAIN ACCESS DRIVE 0+00 TO 7+50
C503	POST CONSTRUCTION GRADING PLAN MAIN ACCESS DRIVE 7+50 TO 17+50
C504	POST CONSTRUCTION GRADING PLAN TURBINE ONE AND ACCESS DRIVE 13+00 TO 18+50
C505	POST CONSTRUCTION GRADING PLAN MAIN ACCESS DRIVE 18+50 TO 23+50
C506	POST CONSTRUCTION GRADING PLAN TURBINE TWO AND MAIN ACCESS DRIVE 23+50 TO 31+30
C507	POST CONSTRUCTION GRADING PLAN TURBINE THREE AND MAIN ACCESS DRIVE 31+30 TO 37+83
C600	EROSION CONTROL NARRATIVE AND CONSTRUCTION SEQUENCE
C601	DETAILS
C602	DETAILS
C603	DETAILS
C604	DETAILS – CULTEC DETENTION BEDS
E101	ELECTRICAL SITE PLAN



NO.	REVISION	DATE
	Previous Editions Obsolete	

0 150 300

1 inch = 300 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

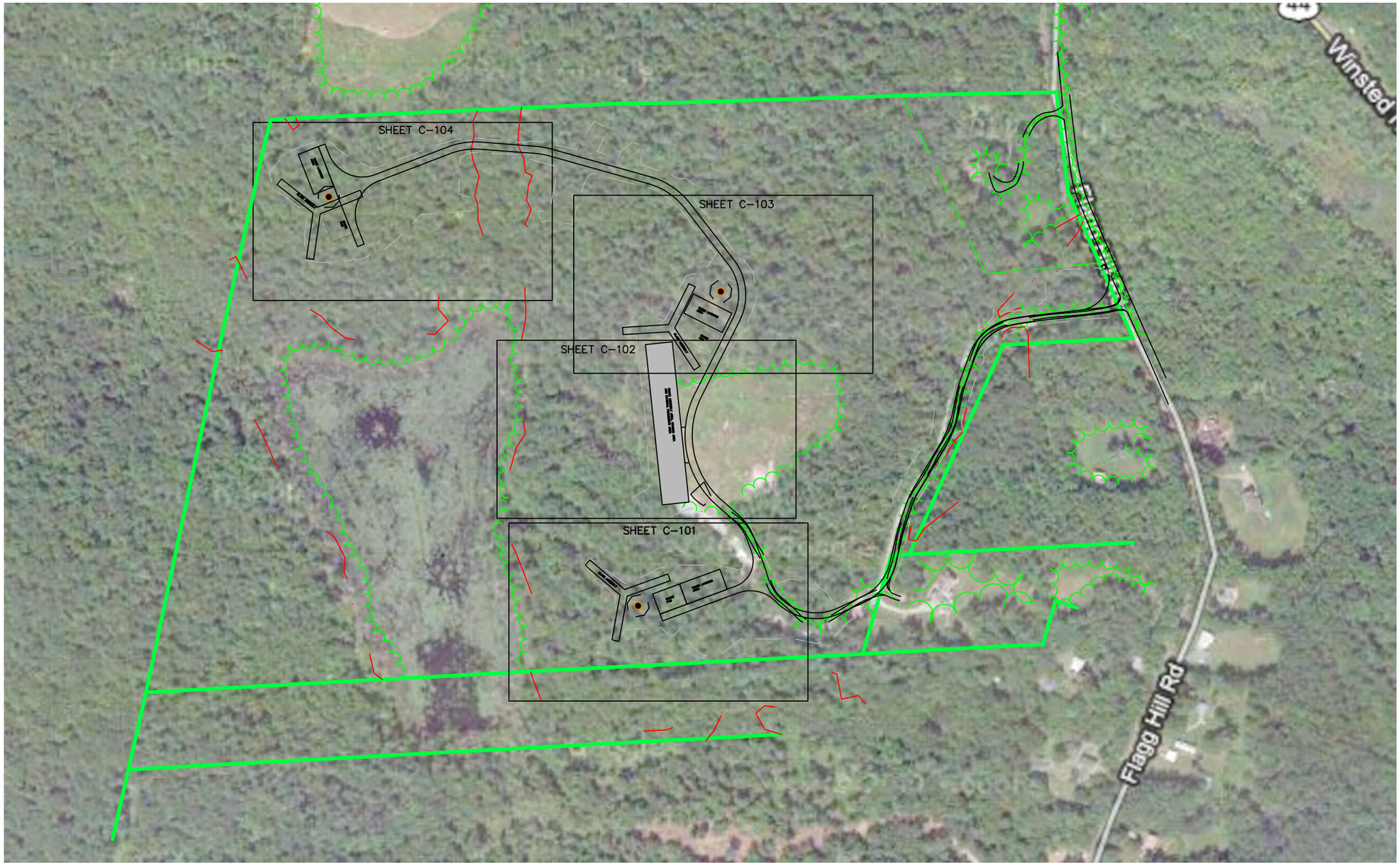
PROPERTY SURVEY

WIND COLEBROOK SOUTH
FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN:	BB
APPROVED:	CJ
SCALE:	1" = 300'
DATE:	26 AUG 11
PROJ. NO.:	3092
CADD FILE NAME:	3092
DRAWING NO.:	C001



LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- LIMITS OF CLEARING
- WETLANDS/WATERCOURSE BOUNDARY
- EXISTING ROADWAY
- PROPOSED GRAVEL ACCESS DRIVE

NO.	REVISION	DATE
1	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 150 300

1 inch = 300 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

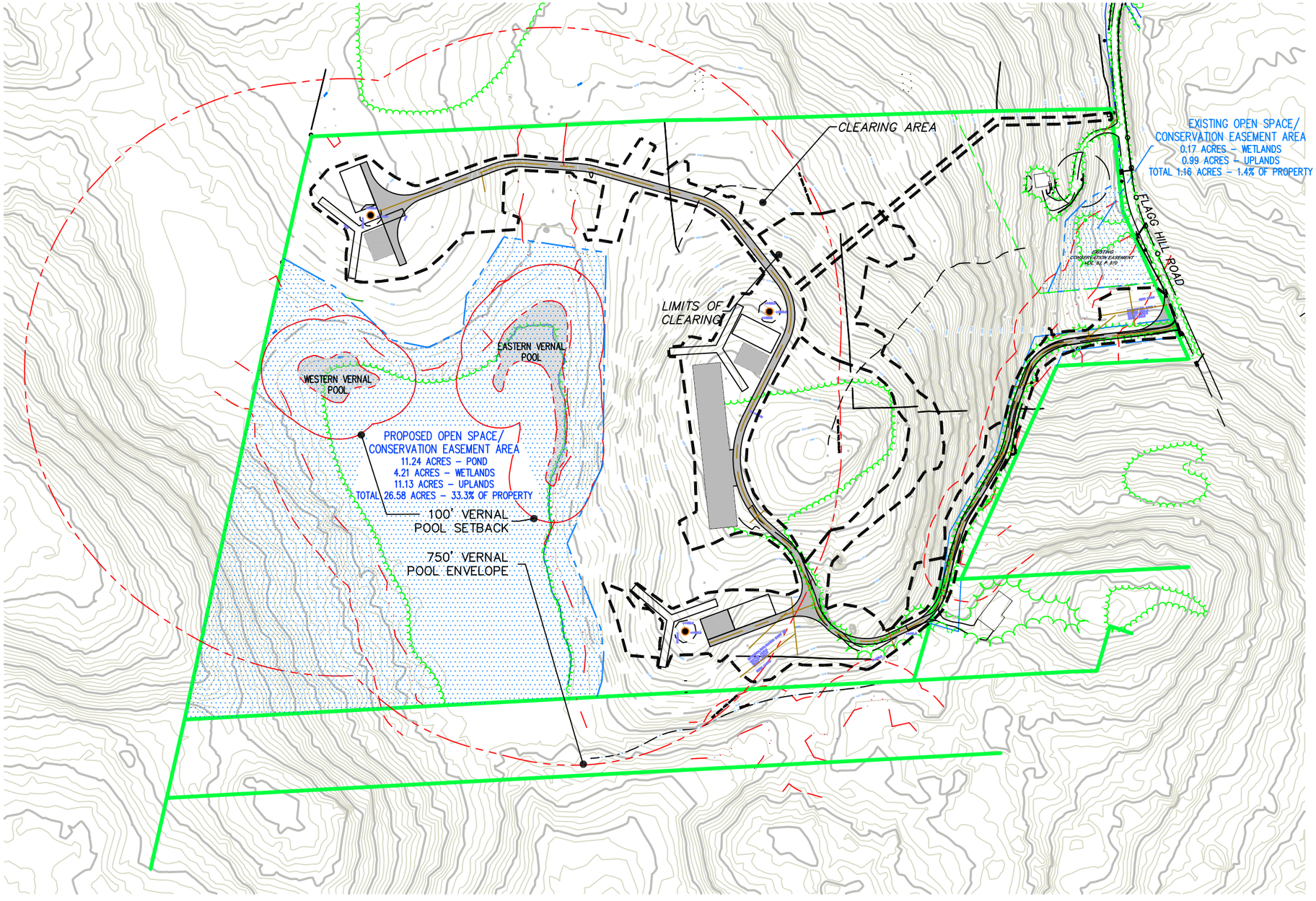
SITE PLAN WITH
AERIAL IMAGERY

WIND COLEBROOK
SOUTH
FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN:	BB
APPROVED:	CJ
SCALE:	1" = 300'
DATE:	26 AUG 11
PROJ. NO.:	3092
CADD FILE NAME:	3092
DRAWING NO.:	C002



WESTERN VERNAL POOL

DISTANCE	TOTAL AREA	PRE–DEVELOPMENT		POST–DEVELOPMENT	
		AREA DISTURBED	% DISTURBED	AREA DISTURBED	% DISTURBED
0–100' FROM POOL	2.03 AC.	0 AC.	0	0 AC.	0
100–750' FROM POOL	48.20 AC	0 AC.	0	2.96 AC	6.14%

EASTERN VERNAL POOL

DISTANCE	TOTAL AREA	PRE–DEVELOPMENT		POST–DEVELOPMENT	
		AREA DISTURBED	% DISTURBED	AREA DISTURBED	% DISTURBED
0–100' FROM POOL	3.88 AC.	0 AC.	0	0 AC.	0
100–750' FROM POOL	58.12 AC	0 AC.	0	11.83 AC	20.35%

NOTE:
1) TOTAL AREA OF PROPERTY – ±79.74 ACRES
2) TOTAL AREA TO BE CLEARED – ±16.07 ACRES (20.15% OF PROPERTY)

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12
3	CLEARING AREA REVISED	23 JUL 12

Previous Editions Obsolete

0 150 300

1 inch = 300 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

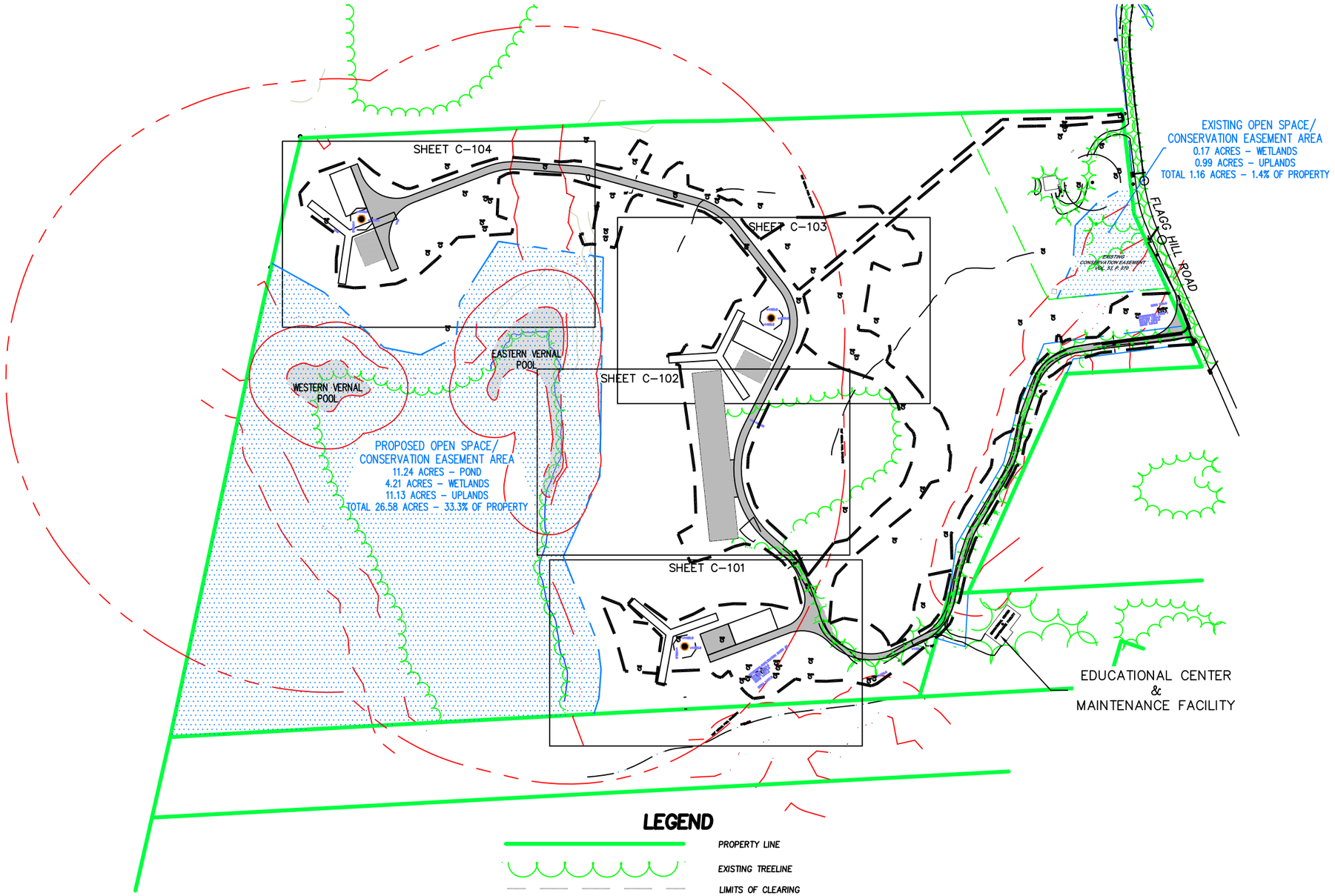
CLEARING LIMITS PLAN & VERNAL POOL ANALYSIS

WIND COLEBROOK SOUTH
FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN:	BB
APPROVED:	CJ
SCALE:	1" = 300'
DATE:	26 AUG 11
PROJ. NO.:	3092
CADD FILE NAME:	3092
DRAWING NO.:	C003



LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- LIMITS OF CLEARING
- WETLANDS/WATERCOURSE BOUNDARY
- EXISTING ROADWAY
- PROPOSED GRAVEL ACCESS DRIVE
- TP1 — DEEP TEST LOCATION WITH NUMBER
- PT1 — PERCOLATION TEST LOCATION WITH NUMBER
- MEADOW RESTORATION
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED ROAD ALIGNMENT	29 JUN 12
2	CLEARING AREA REVISED	23 JUL 12
3	EXISTING BUILDINGS ADDED	28 AUG 12

Previous Editions Obsolete

0 150 300

1 inch = 300 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

OVERALL SITE PLAN

WIND COLEBROOK SOUTH
FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 300'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.:

C100

WF 1-08
WF 1-07
WF 1-06
WF 1-05
WF 1-04
WF 1-03
WF 1-02
CONSERVATION EASEMENT AREA
BLADE ASSEMBLY
128.0'
20.0'
200.0'
TOWER LAYDOWN AREA
120.0'
CRANE PAD
60.0'
232.1'
MEADOW RESTORATION AREA PREVIOUSLY CLEARED
TP 33
TP 12
TP 11
3+89.22
3+00
2+00
1+00
20.0'
R=75'
20'
17+00
16+00
15+00
14+00
9+00
R=135.0'
R=125.0'
TP 13
TP 10
TP 10A
PT 10B
TP 10B
TP 10C
TP 10D
PT 38
TP 38
PT 10E
TP 10E
750' VERNAL POOL ENVELOPE
Existing Path
WF 3-08

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- LIMITS OF CLEARING
- WETLANDS/WATERCOURSE BOUNDARY
- EXISTING ROADWAY
- PROPOSED GRAVEL ACCESS DRIVE
- TP 1 — DEEP TEST LOCATION WITH NUMBER
- PT 1 — PERCOLATION TEST LOCATION WITH NUMBER
- MEADOW RESTORATION
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED ROAD ALIGNMENT	29 JUN 12
2	CLEARING AREA REVISED	23 JUL 12

Previous Editions Obsolete

0 40 80

1 inch = 80 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

TURBINE ONE SITE PLAN

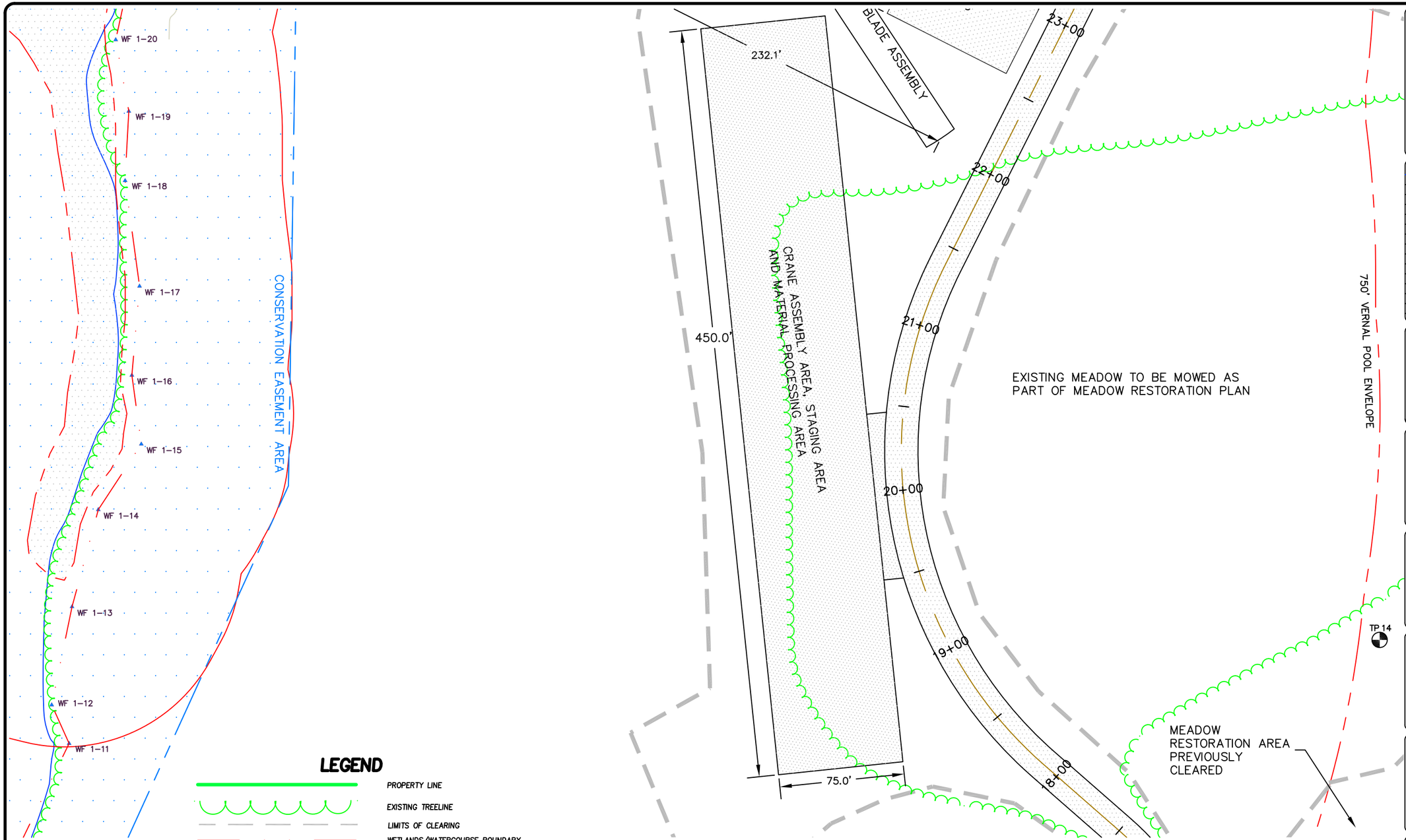
WIND COLEBROOK SOUTH

FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN:	BB
APPROVED:	CJ
SCALE:	1" = 80'
DATE:	26 AUG 11
PROJ. NO.:	3092
CADD FILE NAME:	3092
DRAWING NO.:	C101



LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- LIMITS OF CLEARING
- WETLANDS/WATERCOURSE BOUNDARY
- EXISTING ROADWAY
- PROPOSED GRAVEL ACCESS DRIVE
- TP 1 — DEEP TEST LOCATION WITH NUMBER
- PT 1 — PERCOLATION TEST LOCATION WITH NUMBER
- MEADOW RESTORATION
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 60 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

CRANE ASSEMBLY AREA
SITE PLAN

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 80'
DATE: 26 AUG 11
PROJ. NO.: 3092
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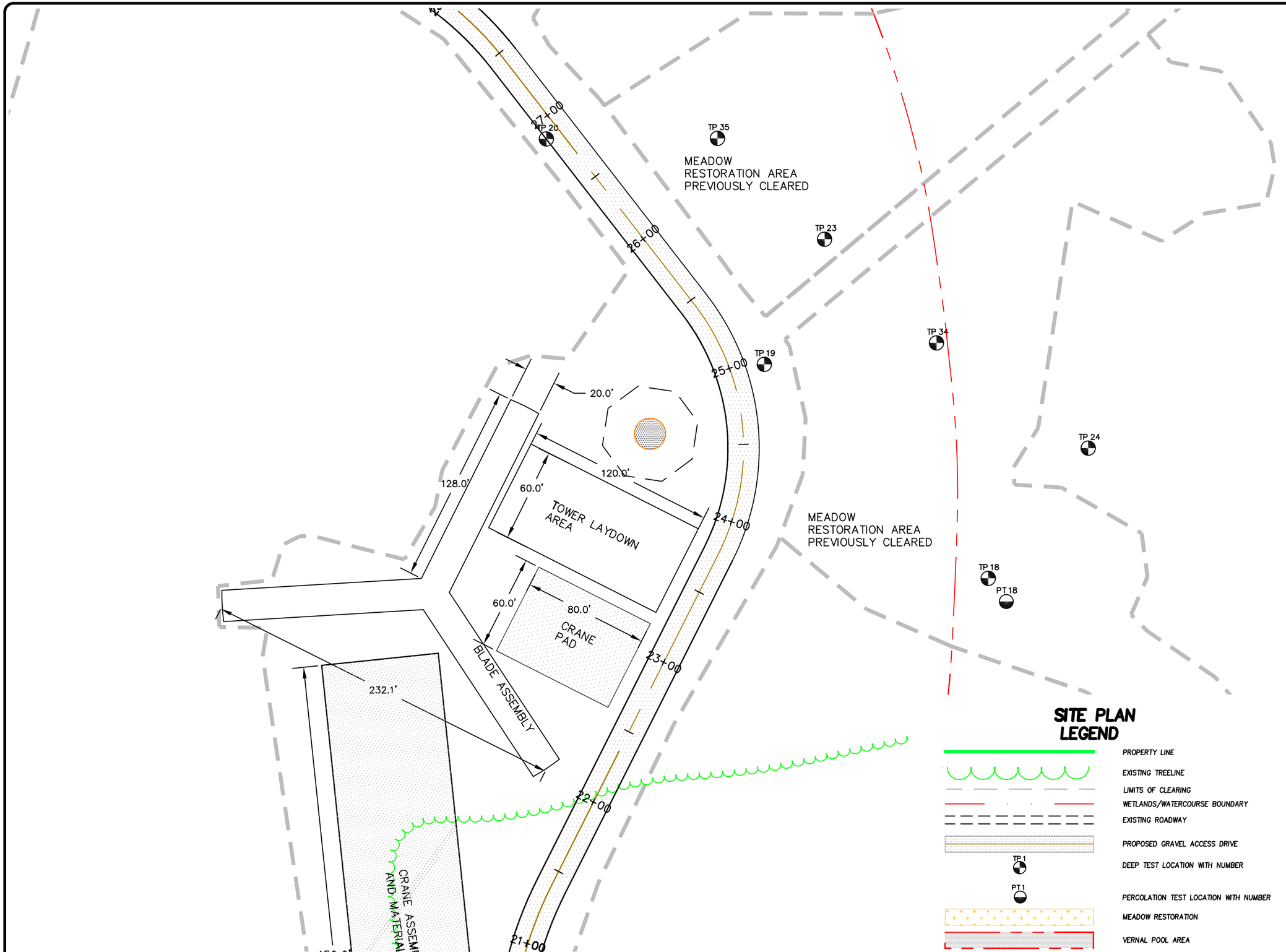

SITE PLAN LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- LIMITS OF CLEARING
- WETLANDS/WATERCOURSE BOUNDARY
- EXISTING ROADWAY
- PROPOSED GRAVEL ACCESS DRIVE
- TP1 — DEEP TEST LOCATION WITH NUMBER
- PT1 — PERCOLATION TEST LOCATION WITH NUMBER
- MEADOW RESTORATION
- VERNAL POOL AREA

NO.	REVISION	DATE
1	REVISED ROAD ALIGNMENT	29 JUN 12
2	CLEARING AREA REVISED	23 JUL 12

Previous Editions Obsolete

0 30 60

1 inch = 60 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

TURBINE TWO SITE PLAN

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 80'
DATE: 29 JUN 12
PROJ. NO.: 3092
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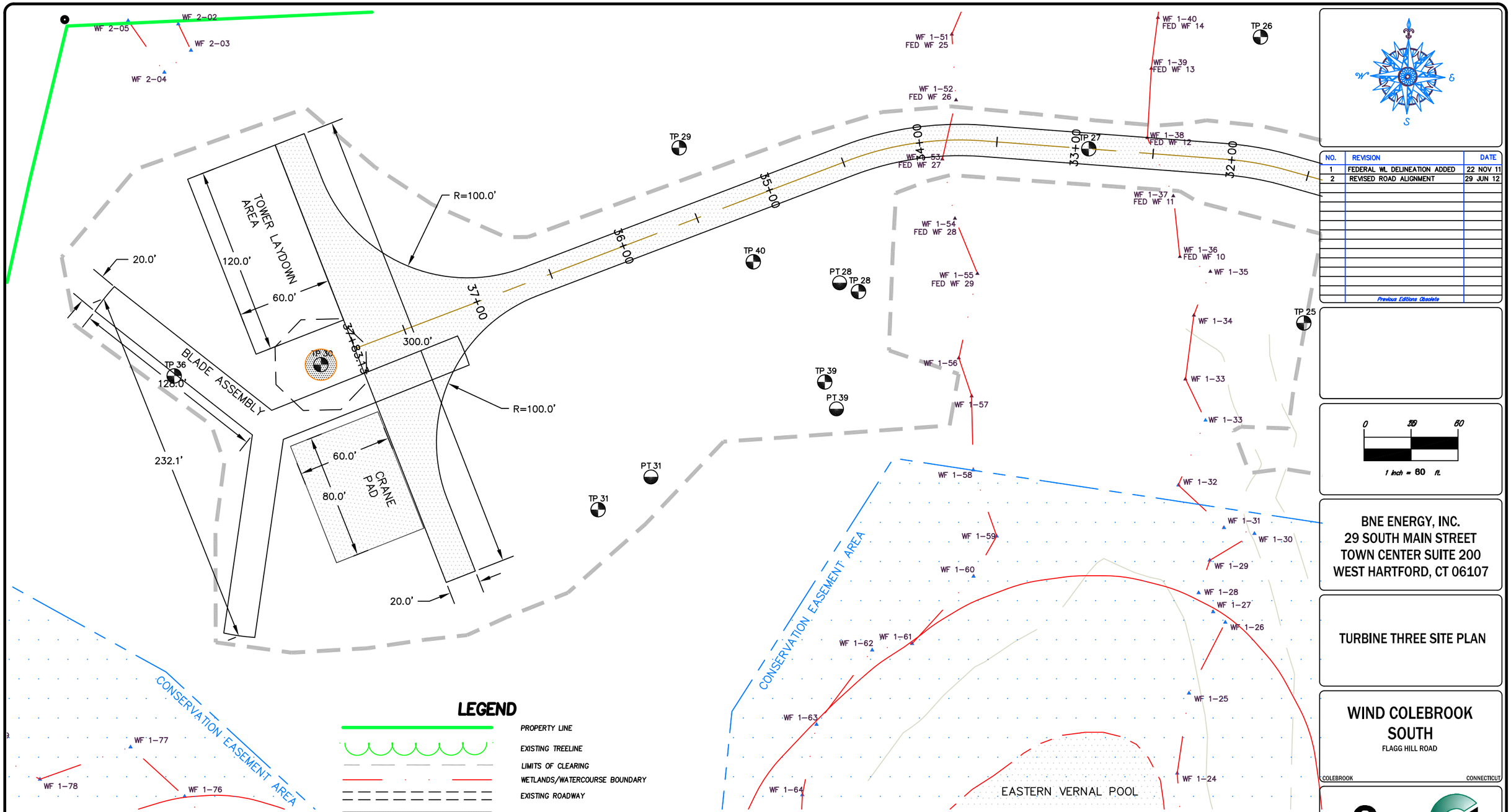

LEGEND

- PROPERTY LINE
- EXISTING TREELINE
- LIMITS OF CLEARING
- WETLANDS/WATERCOURSE BOUNDARY
- EXISTING ROADWAY
- PROPOSED GRAVEL ACCESS DRIVE
- TP1 — DEEP TEST LOCATION WITH NUMBER
- PT1 — PERCOLATION TEST LOCATION WITH NUMBER
- MEADOW RESTORATION
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	FEDERAL WL DELINEATION ADDED	22 NOV 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 60 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

TURBINE THREE SITE PLAN

WIND COLEBROOK SOUTH

FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 80'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
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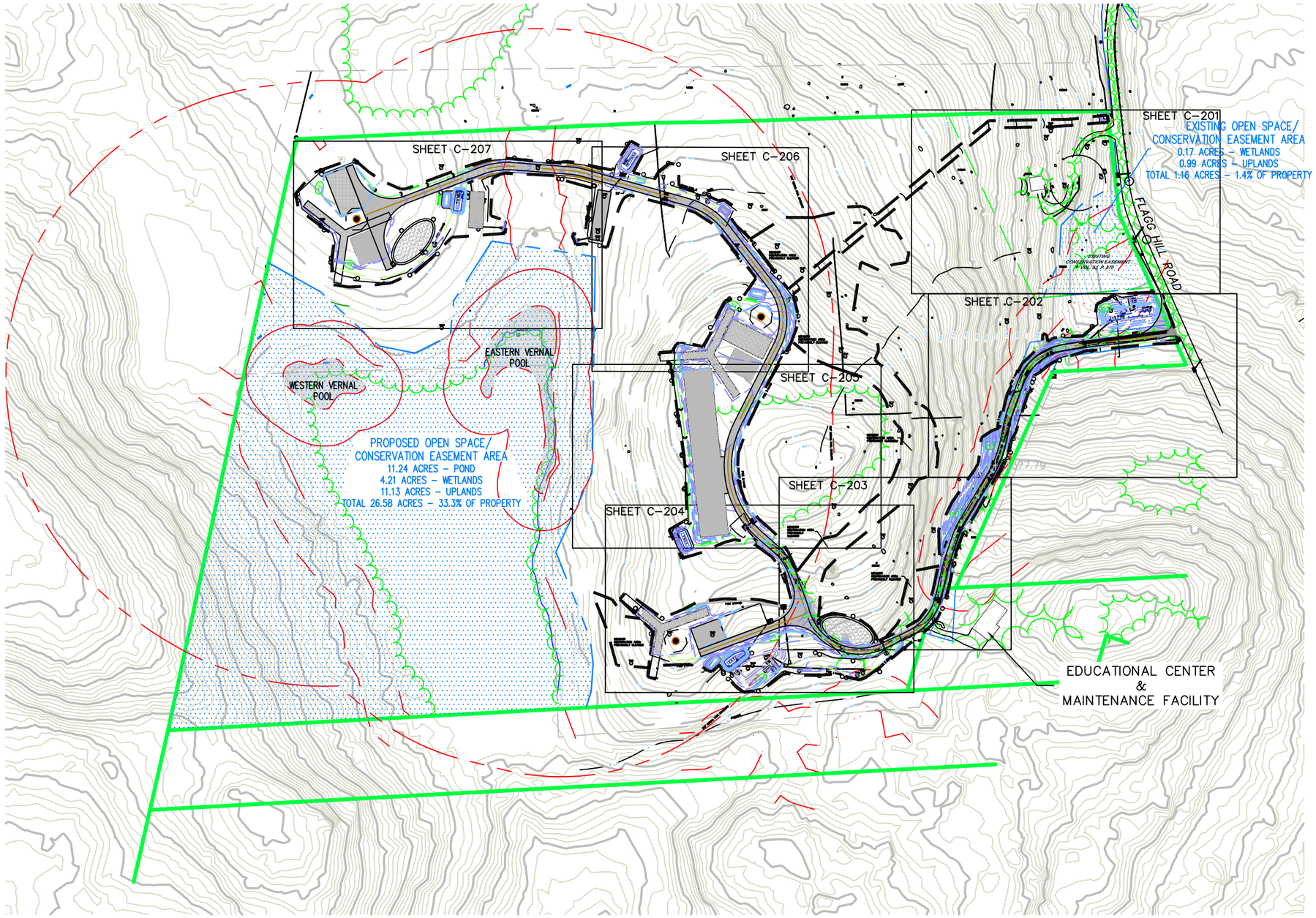
C104



LEGEND

- COMPACTED EARTH
- LIMITS OF CLEARING
- TEMP. WATER DIVERSION SWALE (TD)
- PERM. RIPRAP DIVERSION/CONVEYANCE (PCS)
- DRY WATER QUALITY SWALE
- SOIL TYPE BOUNDARY
- STAKED HAY BALES
- SILT FENCE
- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- TST
- TS
- ECB
- BALED FILTER
- TEMPORARY SOIL STOCKPILE
- TEMPORARY SEDIMENT TRAP
- TEMPORARY SEEDING
- EROSION CONTROL BLANKET
- STONE CHECK DAM
- WATER BAR WITH STAKED HAYBALES
- 2' X 2' STONE INFILTRATION TRENCH
- MEADOW RESTORATION
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12
3	CLEARING AREA REVISED	23 JUL 12
4	EXISTING BUILDINGS ADDED	28 AUG 12

Previous Editions Obsolete

0 150 300

1 inch = 300 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

EROSION CONTROL PLAN

WIND COLEBROOK SOUTH

FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 300'
DATE: 26 AUG 11
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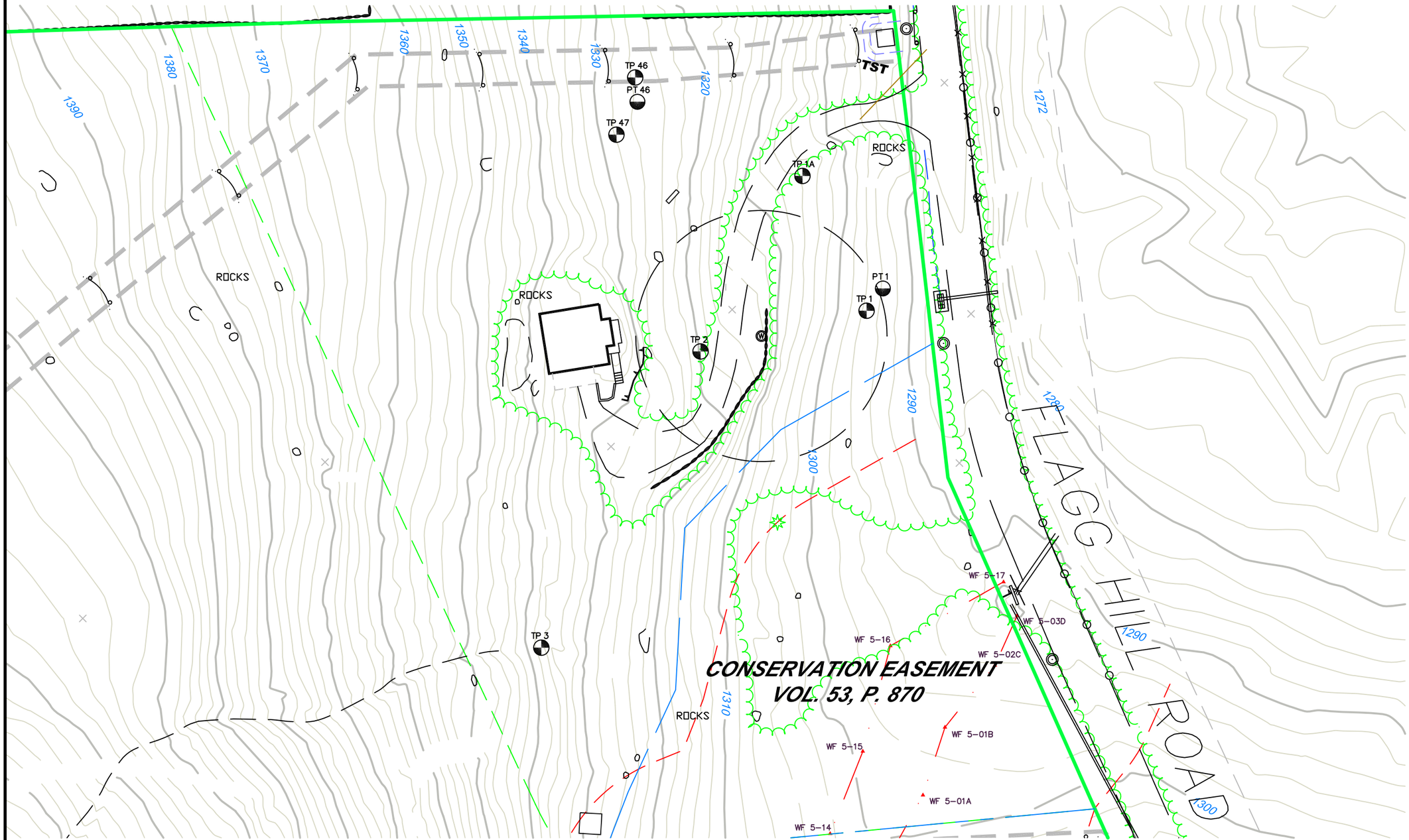
CADD FILE NAME: 3092
DRAWING NO.:

C200



NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 360 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

EROSION CONTROL PLAN
COLLECTOR YARD

WIND COLEBROOK SOUTH

FLAGG HILL ROAD

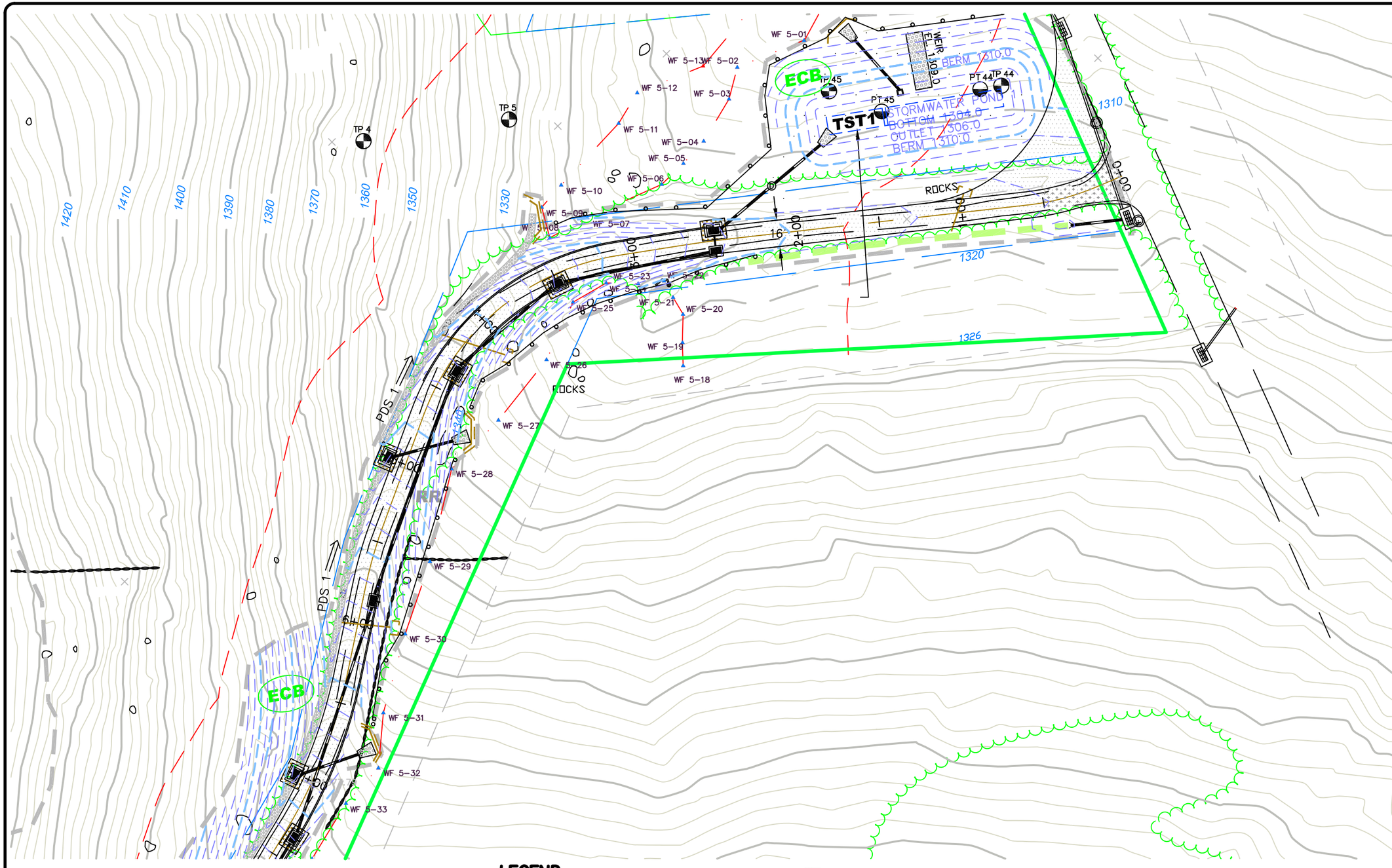
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 80'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C201

LEGEND

- COMPACTED EARTH
- LIMITS OF CLEARING
- TEMP. WATER DIVERSION SWALE (TD)
- PERM. RIPRAP DIVERSION/CONVEYANCE (PCS)
- DRY WATER QUALITY SWALE
- SOIL TYPE BOUNDARY
- STAKED HAY BALES
- SILT FENCE
- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- TST
- TS
- ECB
- BALED FILTER
- TEMPORARY SOIL STOCKPILE
- TEMPORARY SEDIMENT TRAP
- TEMPORARY SEEDING
- EROSION CONTROL BLANKET
- STONE CHECK DAM
- WATER BAR WITH STAKED HAYBALES
- MEADOW RESTORATION
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE



LEGEND

- COMPACTED EARTH
- LIMITS OF CLEARING
- TEMP. WATER DIVERSION SWALE (TD)
- PERM. RIPRAP DIVERSION/CONVEYANCE (PCS)
- DRY WATER QUALITY SWALE
- SOIL TYPE BOUNDARY
- STAKED HAY BALES
- SILT FENCE
- PROPERTY LINE
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- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 360 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

EROSION CONTROL PLAN
MAIN ACCESS DRIVE
0+00 TO 7+50

WIND COLEBROOK SOUTH

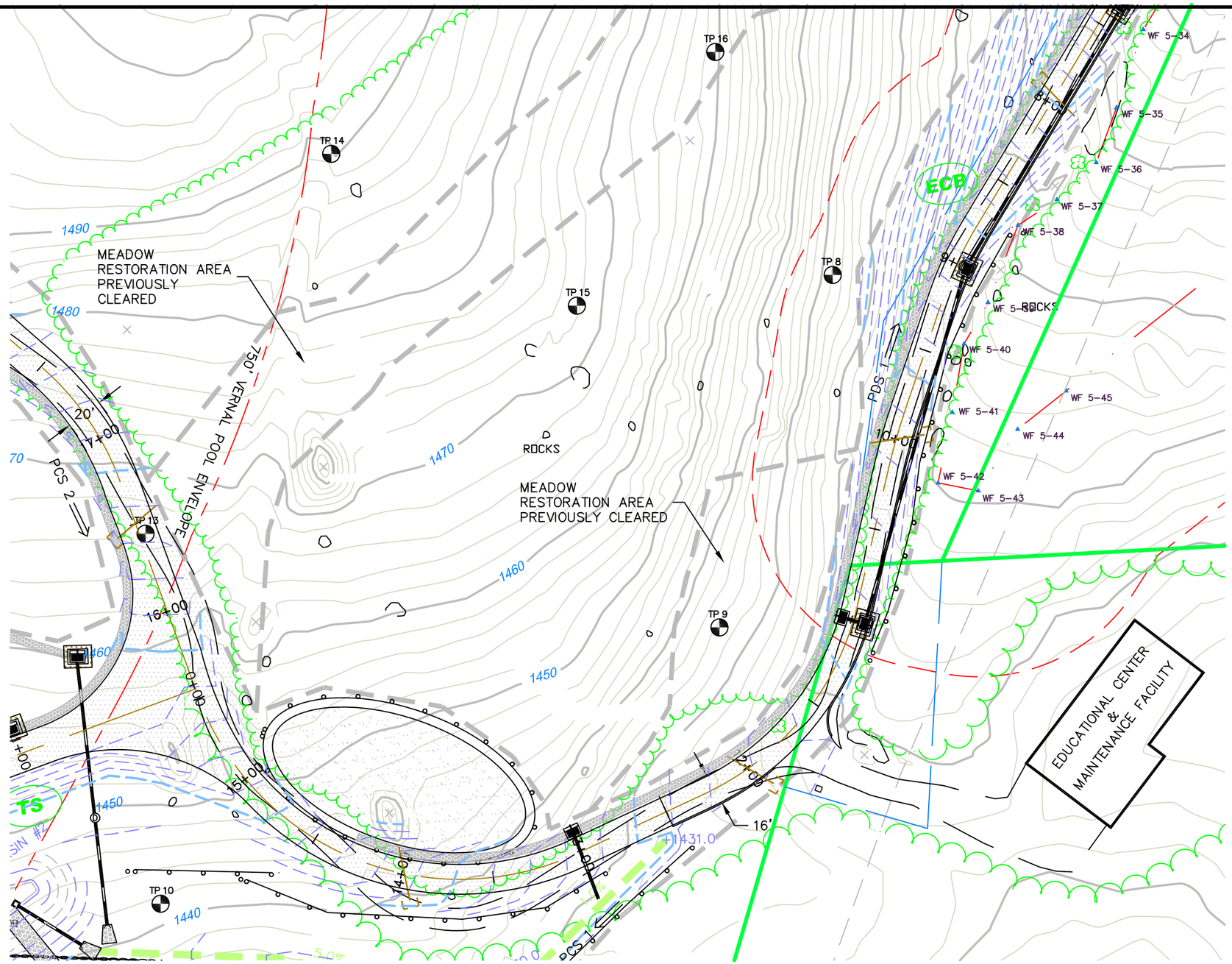
FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 60'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.:

C202



LEGEND

- COMPACTED EARTH
- LIMITS OF CLEARING
- TD — TEMP. WATER DIVERSION SWALE
- PCS — PERM. RIPRAP DIVERSION/CONVEYANCE
- DRY WATER QUALITY SWALE
- SOIL TYPE BOUNDARY
- STAKED HAY BALES
- SILT FENCE
- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- TST
- TS
- ECB
- BALED FILTER
- TEMPORARY SOIL STOCKPILE
- TEMPORARY SEDIMENT TRAP
- TEMPORARY SEEDING
- EROSION CONTROL BLANKET
- STONE CHECK DAM
- WATER BAR WITH STAKED HAYBALES
- MEADOW RESTORATION
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12
3	CLEARING AREA REVISED	23 JUL 12
4	EXISTING BUILDINGS ADDED	28 AUG 12

Previous Editions Obsolete

0 30 60

1 inch = 60 ft.

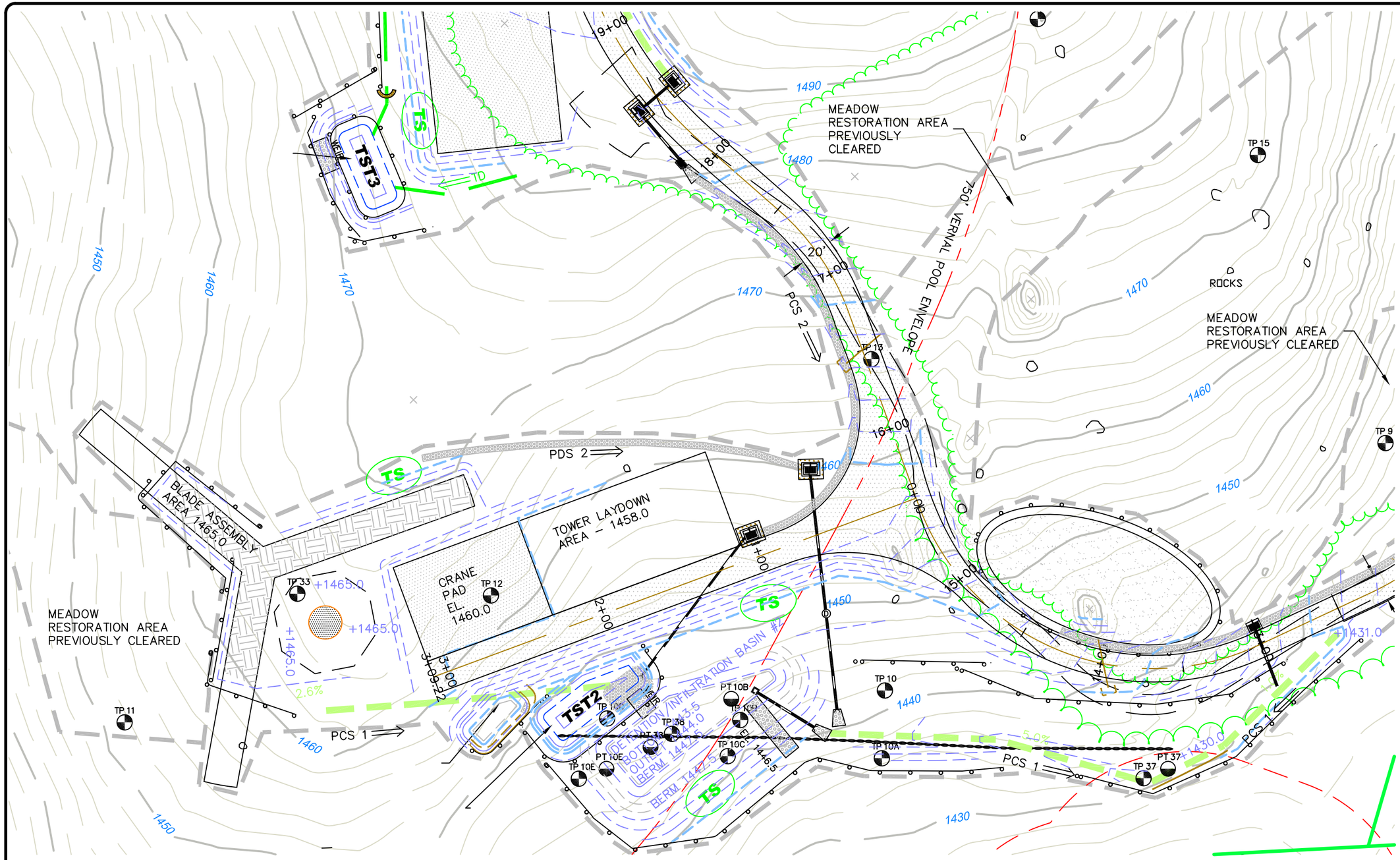
BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

EROSION CONTROL PLAN
MAIN ACCESS DRIVE
7+50 TO 17+50

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 60'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C203



LEGEND

- COMPACTED EARTH
- LIMITS OF CLEARING
- TEMP. WATER DIVERSION SWALE (TD)
- PERM. RIPRAP DIVERSION/CONVEYANCE (PCS)
- DRY WATER QUALITY SWALE
- SOIL TYPE BOUNDARY
- STAKED HAY BALES
- SILT FENCE
- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- TST
- TS
- ECB
- BALED FILTER
- TEMPORARY SOIL STOCKPILE
- TEMPORARY SEDIMENT TRAP
- TEMPORARY SEEDING
- EROSION CONTROL BLANKET
- STONE CHECK DAM
- WATER BAR WITH STAKED HAYBALES
- MEADOW RESTORATION
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12
3	CLEARING AREA REVISED	23 JUL 12

Previous Editions Obsolete

0 30 60

1 inch = 360 ft.

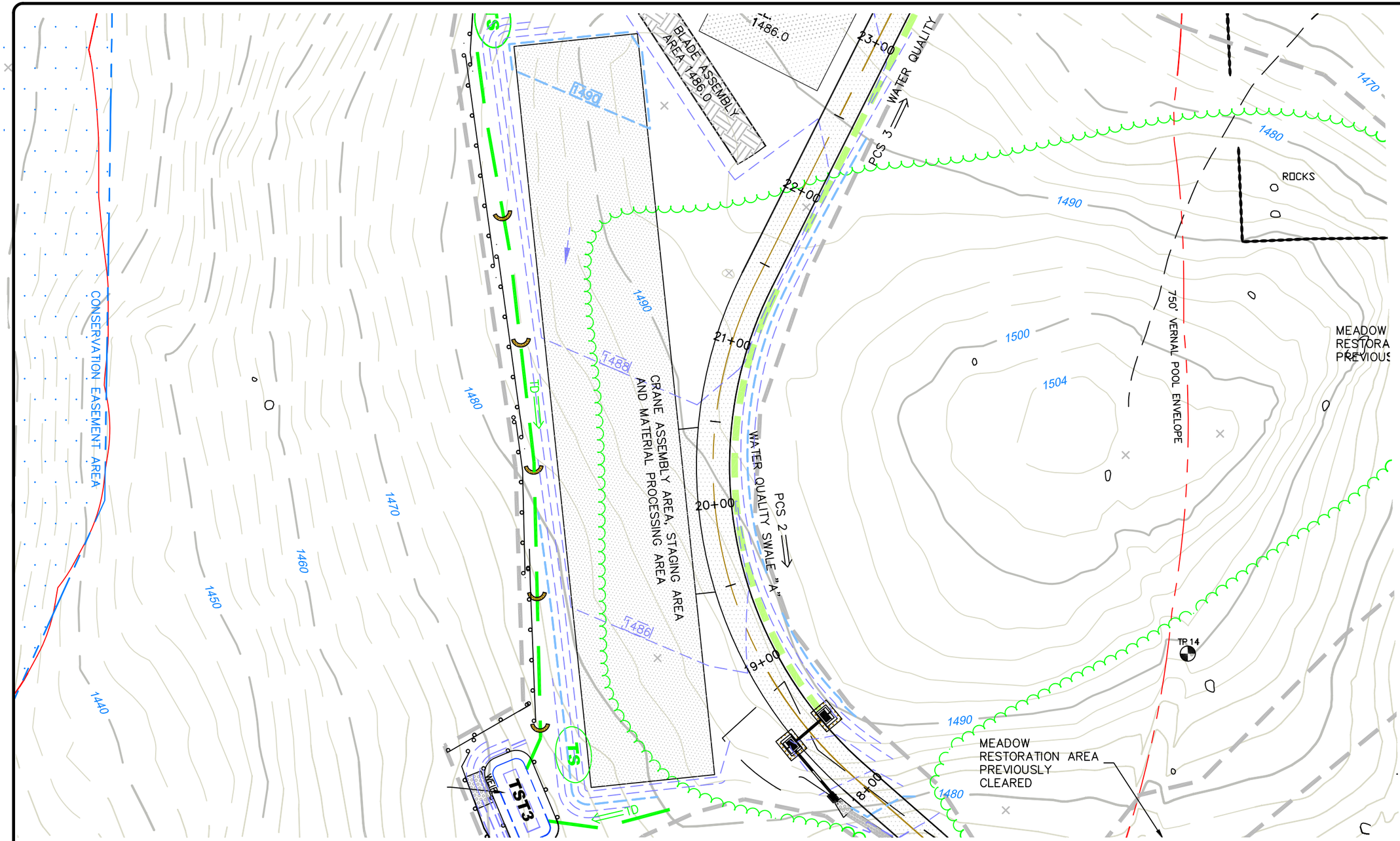
BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

EROSION CONTROL PLAN
TURBINE ONE AND MAIN ACCESS DRIVE
12+10 TO 18+50

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 60'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C204



LEGEND

- COMPACTED EARTH
- LIMITS OF CLEARING
- TEMP. WATER DIVERSION SWALE (TD)
- PERM. RIPRAP DIVERSION/CONVEYANCE (PCS)
- DRY WATER QUALITY SWALE
- SOIL TYPE BOUNDARY
- STAKED HAY BALES
- SILT FENCE
- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- TST
- TS
- ECB
- BALED FILTER
- TEMPORARY SOIL STOCKPILE
- TEMPORARY SEDIMENT TRAP
- TEMPORARY SEEDING
- EROSION CONTROL BLANKET
- STONE CHECK DAM
- WATER BAR WITH STAKED HAYBALES
- MEADOW RESTORATION
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 30 ft.

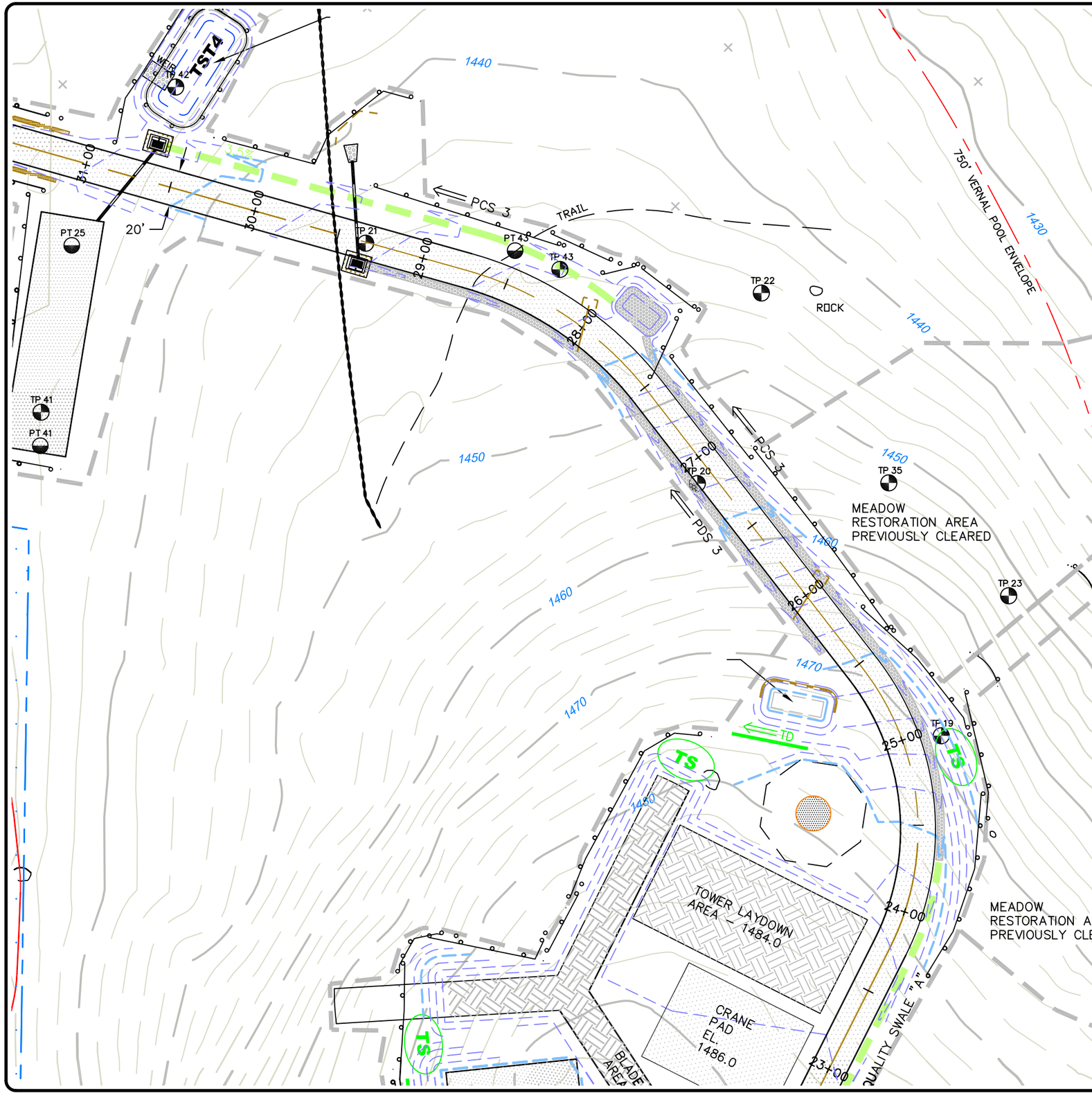
BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

EROSION CONTROL PLAN
CRANE ASSEMBLY AND
MAIN ACCESS DRIVE
18+50 TO 23+00

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN:	BB
APPROVED:	CJ
SCALE:	1" = 60'
DATE:	26 AUG 11
PROJ. NO.:	3092
CADD FILE NAME:	3092
DRAWING NO.:	C205



LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- COMPACTED EARTH
- LIMITS OF CLEARING
- TEMP. WATER DIVERSION SWALE
- PERM. RIPRAP DIVERSION/CONVEYANCE
- DRY WATER QUALITY SWALE
- SOIL TYPE BOUNDARY
- STAKED HAY BALES
- SILT FENCE
- BALED FILTER
- TEMPORARY SOIL STOCKPILE
- TST — TEMPORARY SEDIMENT TRAP
- TS — TEMPORARY SEEDING
- ECB — EROSION CONTROL BLANKET
- STONE CHECK DAM
- WATER BAR WITH STAKED HAYBALES
- 2' X 2' STONE INFILTRATION TRENCH
- MEADOW RESTORATION
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	FEDERAL WL DELINEATION ADDED	22 NOV 11
3	REVISED ROAD ALIGNMENT	29 JUN 12
4	CLEARING AREA REVISED	23 JUL 12

Previous Editions Obsolete

0 30 60

1 inch = 360 ft.

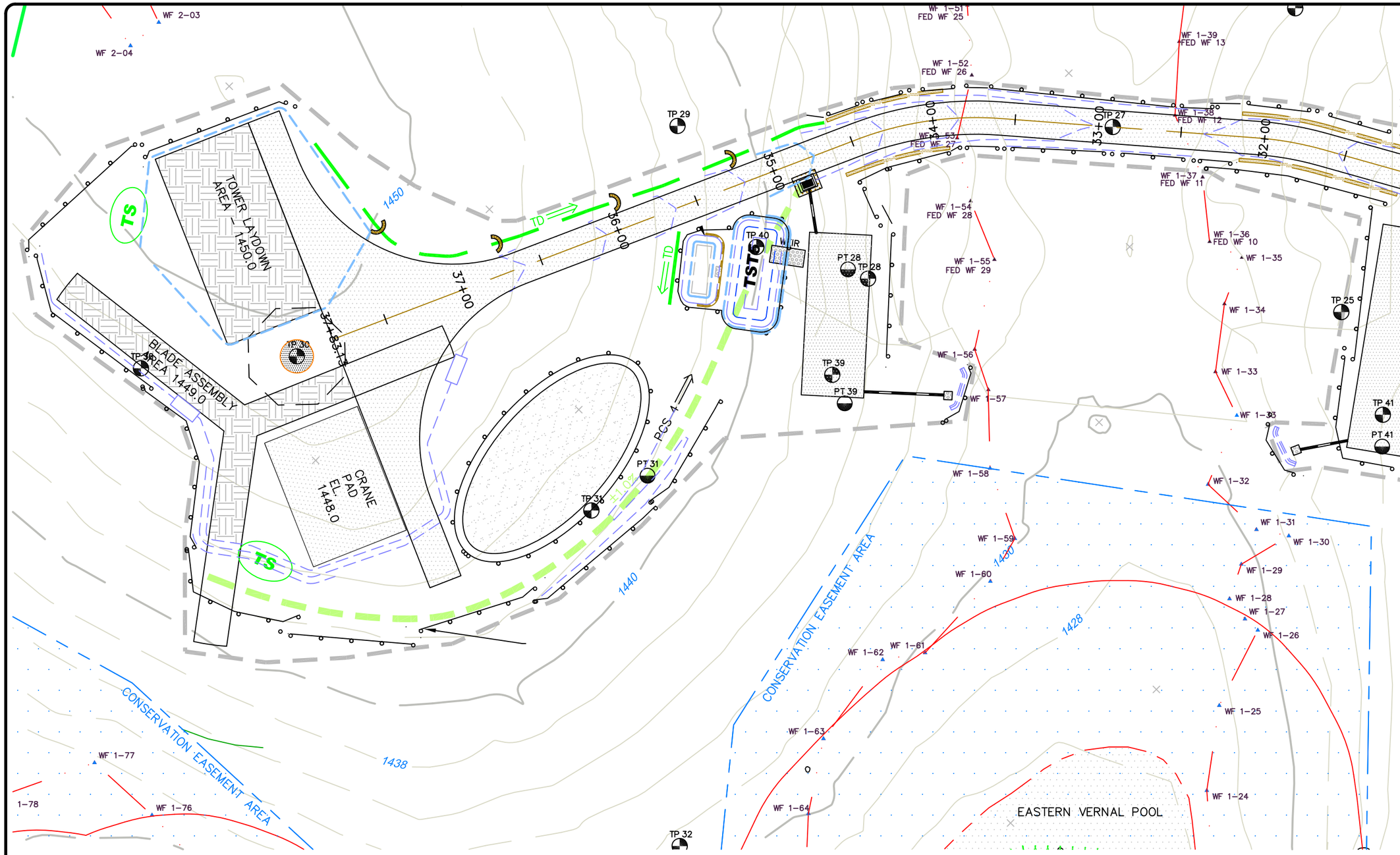
BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

EROSION CONTROL PLAN
TURBINE TWO AND MAIN ACCESS DRIVE
23+00 TO 31+30

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 80'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C206



NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	FEDERAL WL DELINEATION ADDED	22 NOV 11
3	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 360 ft.

LEGEND

COMPACTED EARTH
LIMITS OF CLEARING
TEMP. WATER DIVERSION SWALE
PERM. RIPRAP DIVERSION/CONVEYANCE
DRY WATER QUALITY SWALE
SOIL TYPE BOUNDARY
STAKED HAY BALES
SILT FENCE

PROPERTY LINE
EXISTING CONTOUR
PROPOSED CONTOUR
PROPOSED STORM DRAINAGE
EDGE OF WATER
WETLANDS/WATERCOURSE BOUNDARY
100' WETLANDS REVIEW AREA
EXISTING ROADWAY
PROPOSED ACCESS DRIVE

TST
TS
ECB

BALED FILTER
TEMPORARY SOIL STOCKPILE
TEMPORARY SEDIMENT TRAP
TEMPORARY SEEDING
EROSION CONTROL BLANKET
STONE CHECK DAM

WATER BAR WITH STAKED HAYBALES
2' X 2' STONE INFILTRATION TRENCH
MEADOW RESTORATION
VERNAL POOL AREA
100' VERNAL POOL SETBACK
750' VERNAL POOL ENVELOPE

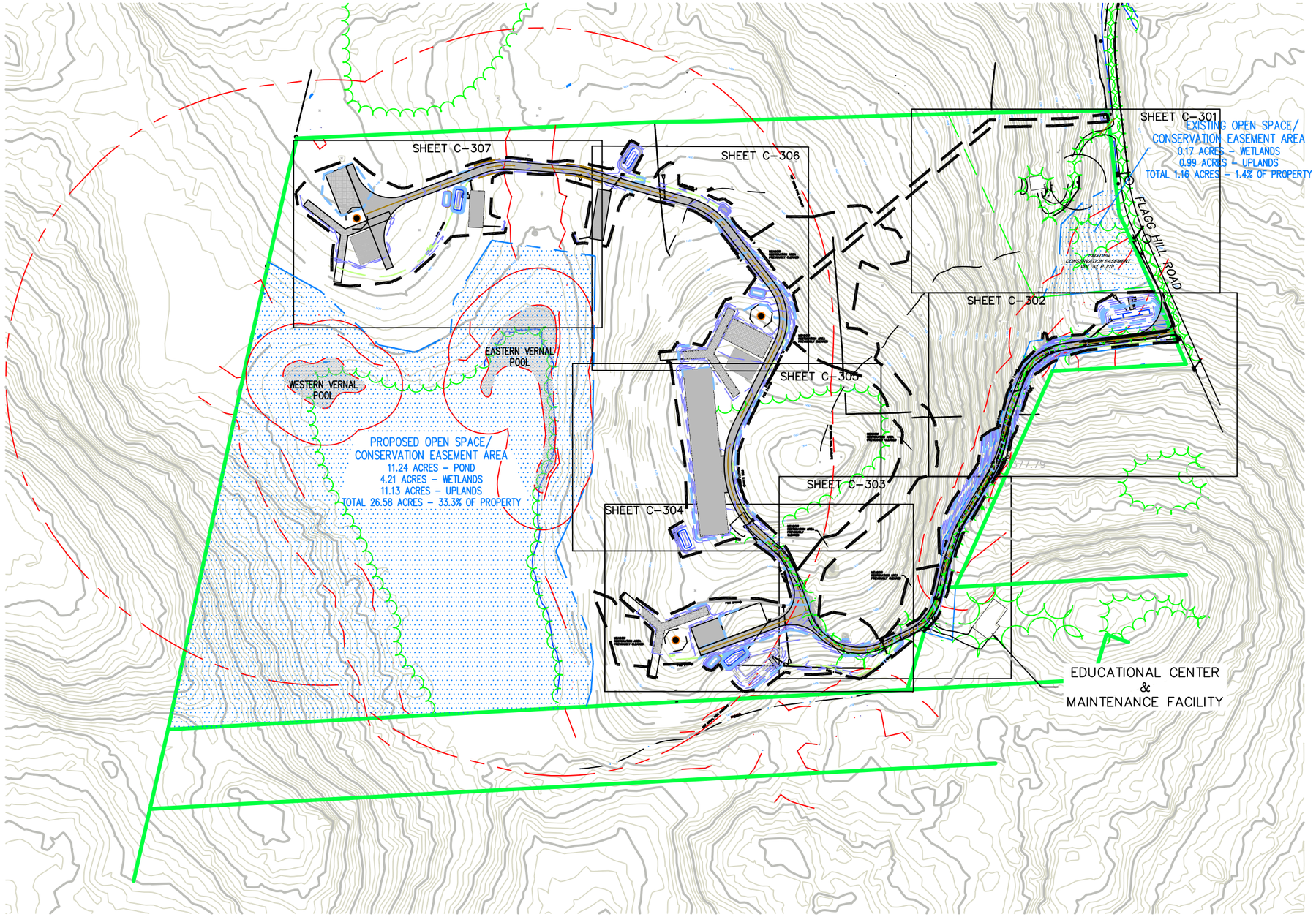
BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

EROSION CONTROL PLAN TURBINE THREE AND MAIN ACCESS DRIVE 31+50 TO 37+83

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 80'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C207



LEGEND

TP-1 — DEEP TEST LOCATION WITH NUMBER

PT-1 — PERCOLATION TEST LOCATION WITH NUMBER

MEADOW RESTORATION

VERNAL POOL AREA

100' VERNAL POOL SETBACK

750' VERNAL POOL ENVELOPE

PROPERTY LINE

EXISTING CONTOUR

PROPOSED CONTOUR

PROPOSED STORM DRAINAGE

EDGE OF WATER

WETLANDS/WATERCOURSE BOUNDARY

100' WETLANDS REVIEW AREA

EXISTING ROADWAY

PROPOSED ACCESS DRIVE

PERM. RIPRAP DIVERSION/CONVEYANCE SWALE

LIMITS OF CLEARING

COMPACTED EARTH

DRY WATER QUALITY SWALE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12
3	CLEARING AREA REVISED	23 JUL 12
4	EXISTING BUILDINGS ADDED	28 AUG 12

Previous Editions Obsolete

0 150 300

1 inch = 300 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

GRADING PLAN

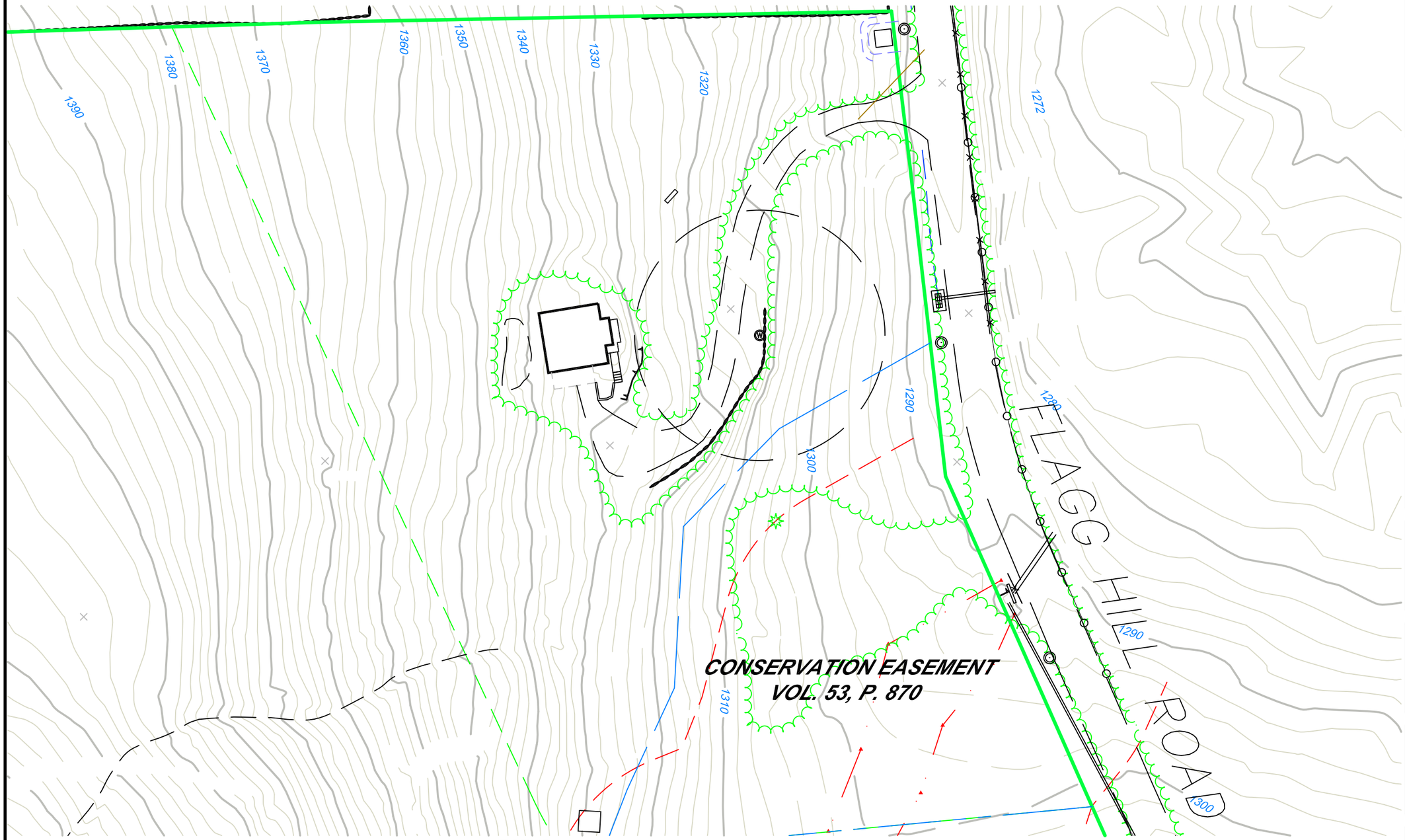
WIND COLEBROOK SOUTH
FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 300'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.:

C300



NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 360 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

GRADING PLAN
COLLECTOR YARD

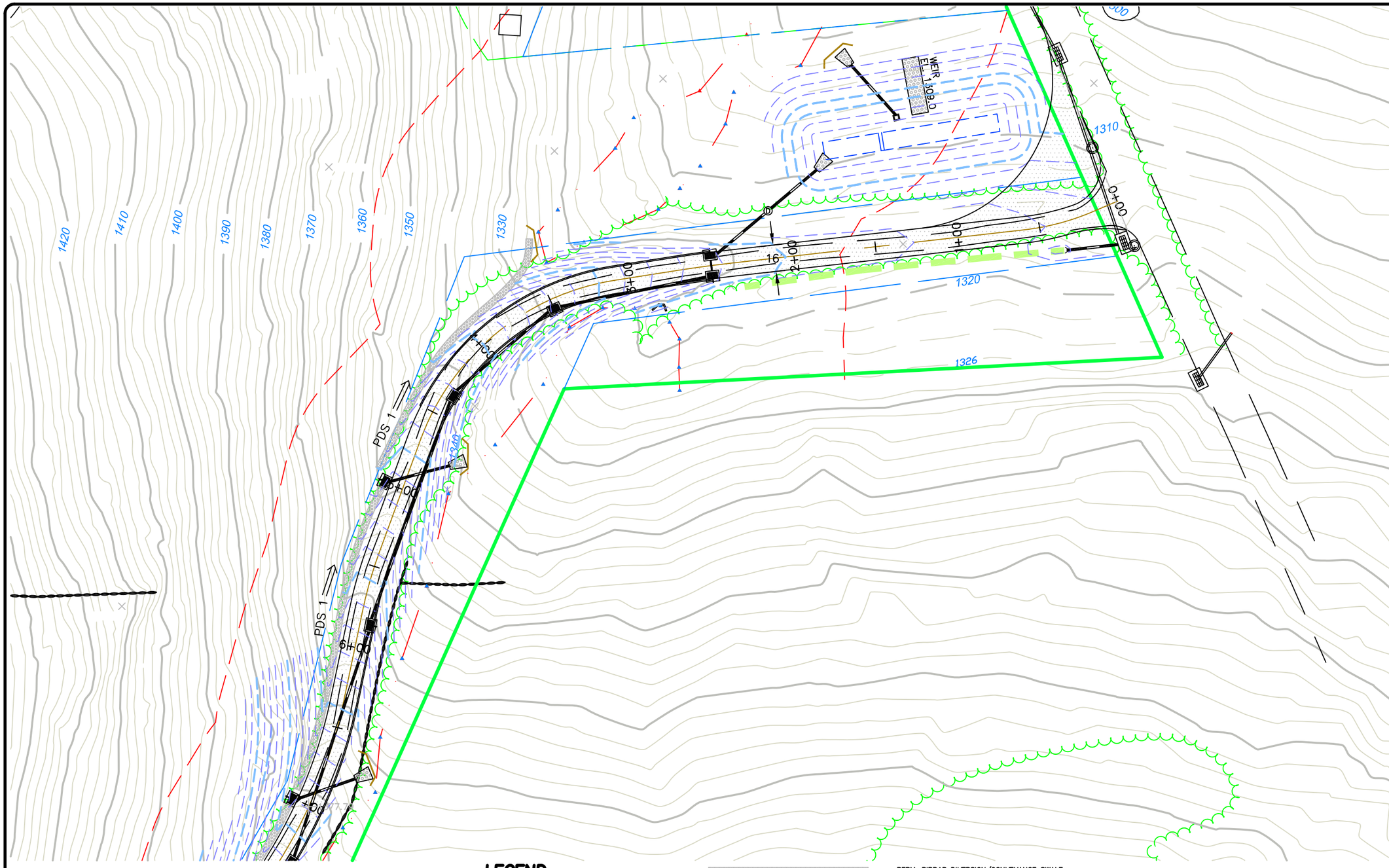
WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
- LIMITS OF CLEARING
- COMPACTED EARTH
- DRY WATER QUALITY SWALE
- EXISTING MEADOW TO BE RES'
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 80'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C301



LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
- LIMITS OF CLEARING
- COMPACTED EARTH
- DRY WATER QUALITY SWALE
- EXISTING MEADOW TO BE RESTORED
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 360 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

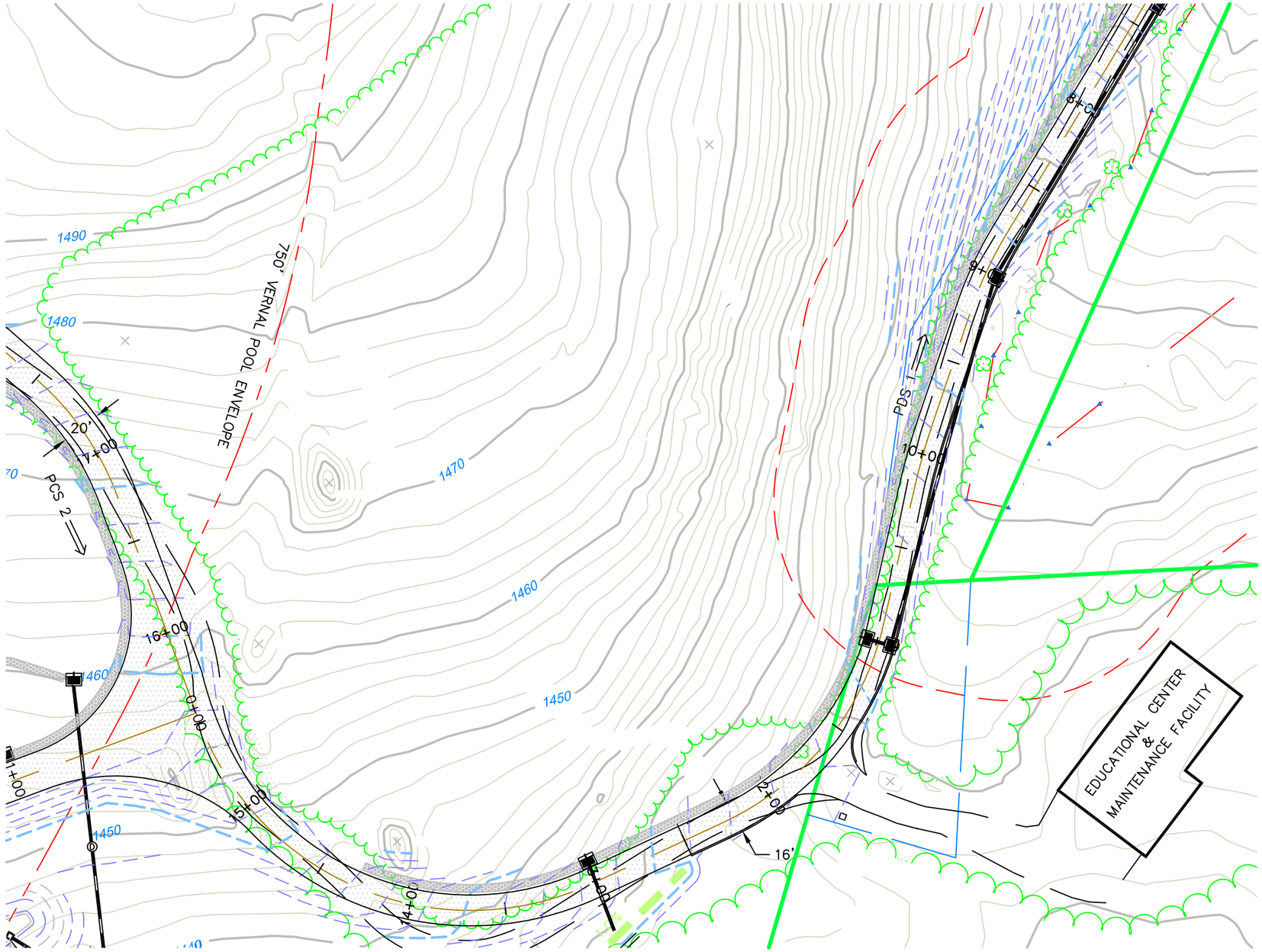
GRADING PLAN
MAIN ACCESS DRIVE
0+00 TO 7+50

WIND COLEBROOK SOUTH
FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN:	BB
APPROVED:	CJ
SCALE:	1" = 60'
DATE:	26 AUG 11
PROJ. NO.:	3092
CADD FILE NAME:	3092
DRAWING NO.:	C302



LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
- LIMITS OF CLEARING
- COMPACTED EARTH
- DRY WATER QUALITY SWALE
- EXISTING MEADOW TO BE RESTORED
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12
3	EXISTING BUILDINGS ADDED	28 AUG 12

Previous Editions Obsolete

0 30 60

1 inch = 60 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

GRADING PLAN
MAIN ACCESS DRIVE
7+50 TO 17+50

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 60'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
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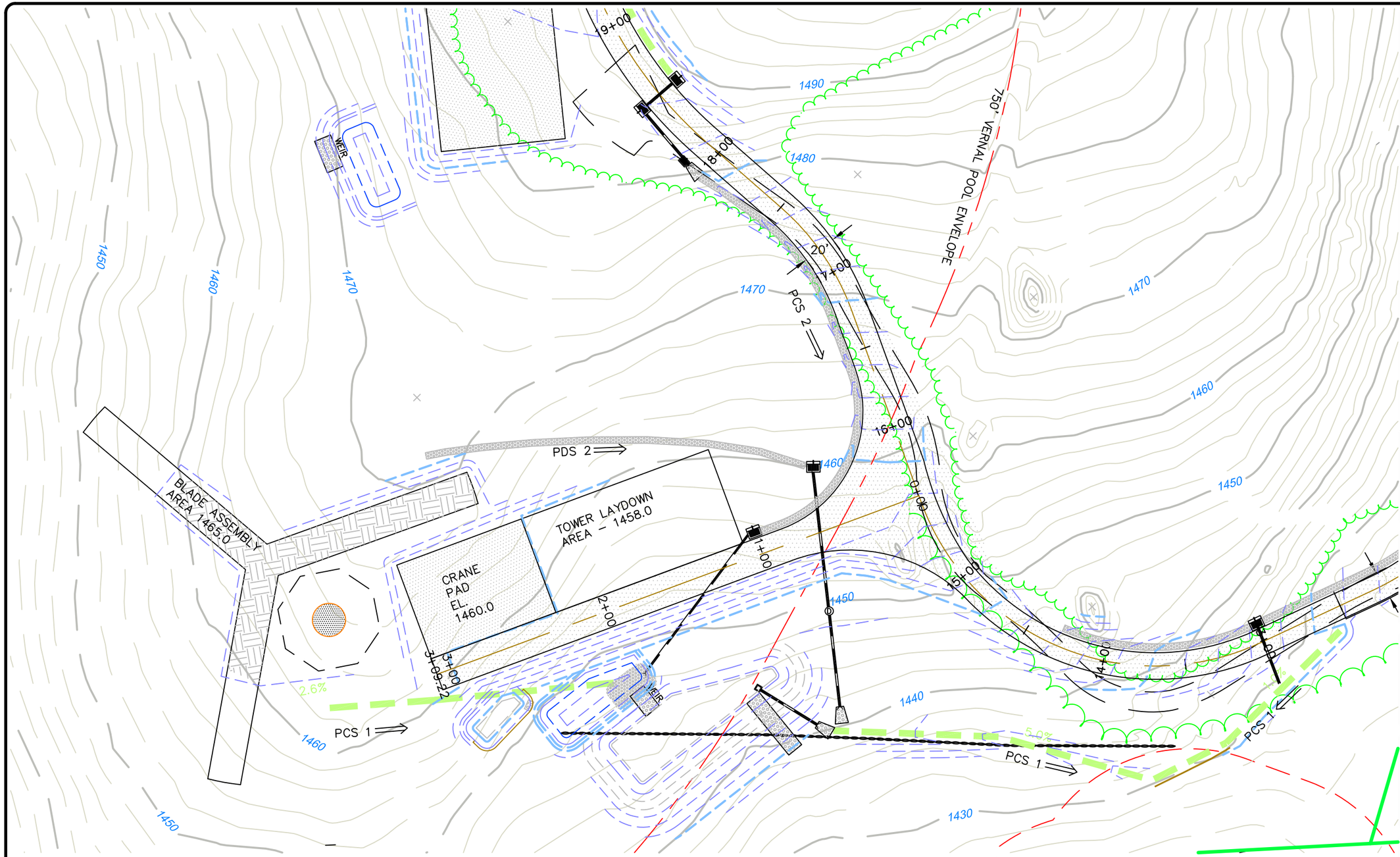


LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
- LIMITS OF CLEARING
- COMPACTED EARTH
- DRY WATER QUALITY SWALE
- EXISTING MEADOW TO BE RESTORED
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 360 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

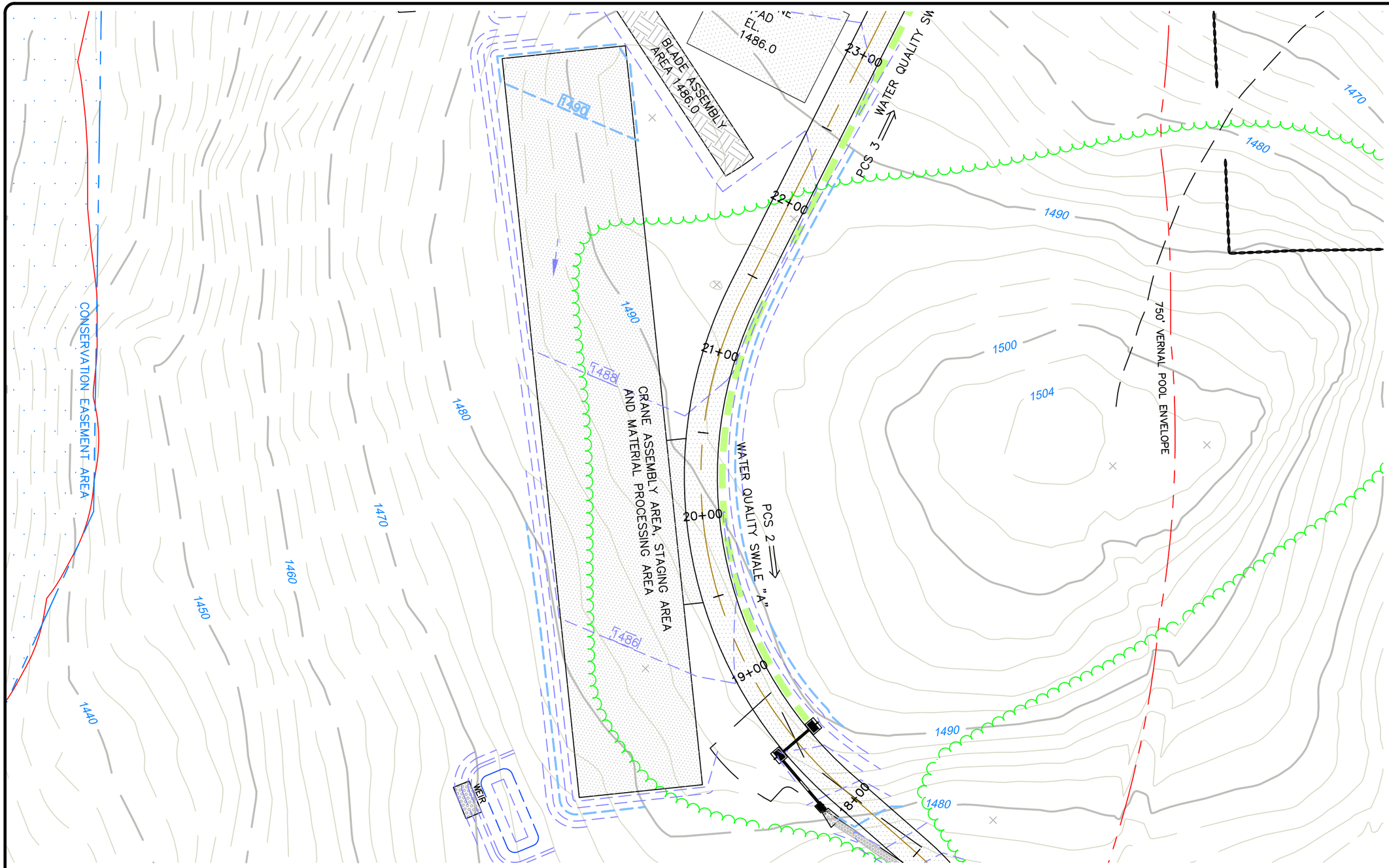
GRADING PLAN
TURBINE ONE AND MAIN ACCESS DRIVE
12+10 TO 18+50

WIND COLEBROOK SOUTH
FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 60'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C304



LEGEND

- EXISTING MEADOW TO BE RESTORED
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE
- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
- LIMITS OF CLEARING
- COMPACTED EARTH
- DRY WATER QUALITY SWALE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 360 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

GRADING PLAN
MAIN ACCESS DRIVE
18+50 TO 23+50

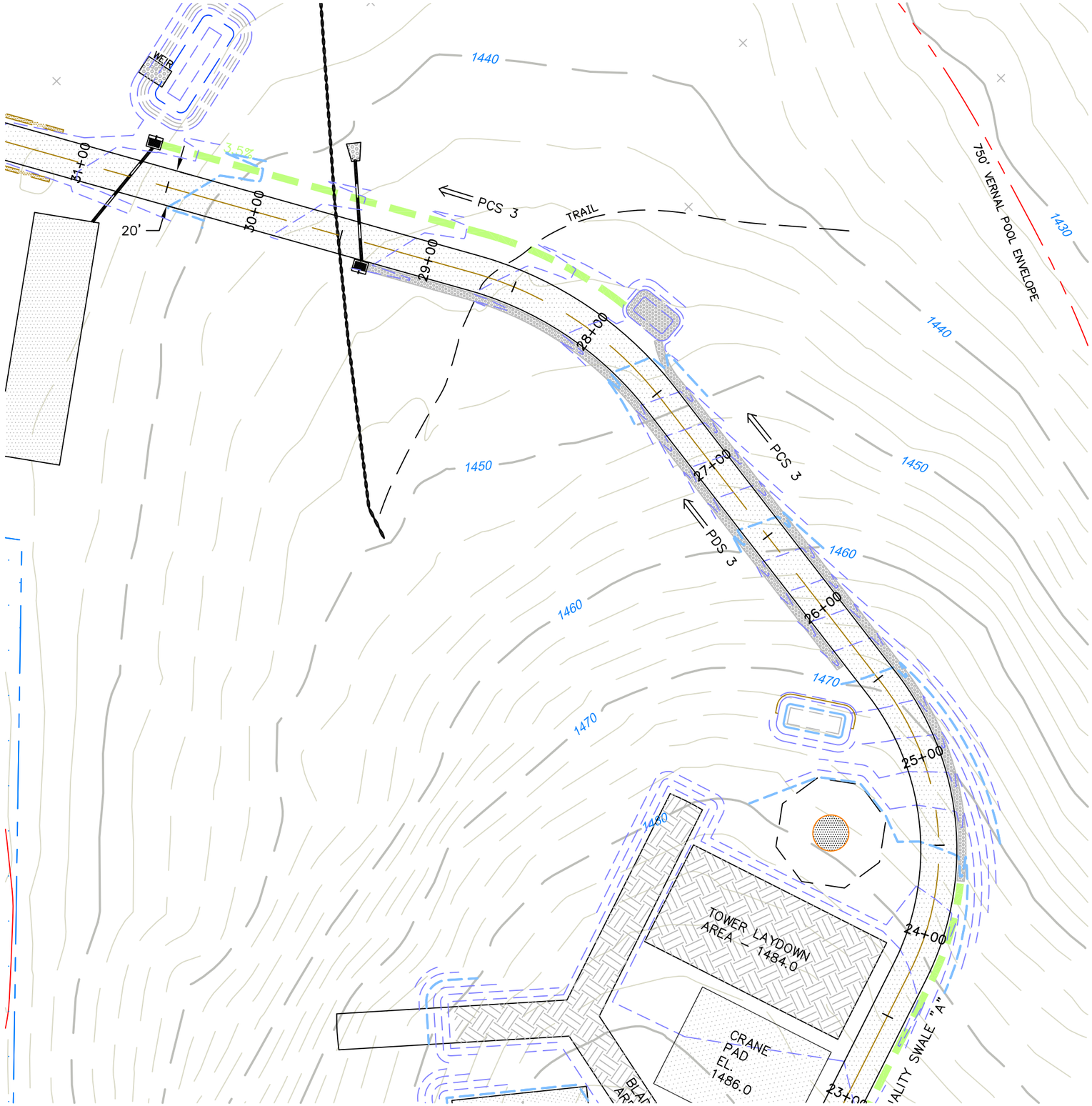
WIND COLEBROOK SOUTH
FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 60'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.:

C305



LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
- LIMITS OF CLEARING
- COMPACTED EARTH
- DRY WATER QUALITY SWALE
- EXISTING MEADOW TO BE RESTORED
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

W E S

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	FEDERAL WL DELINEATION ADDED	22 NOV 11
3	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 360 ft.

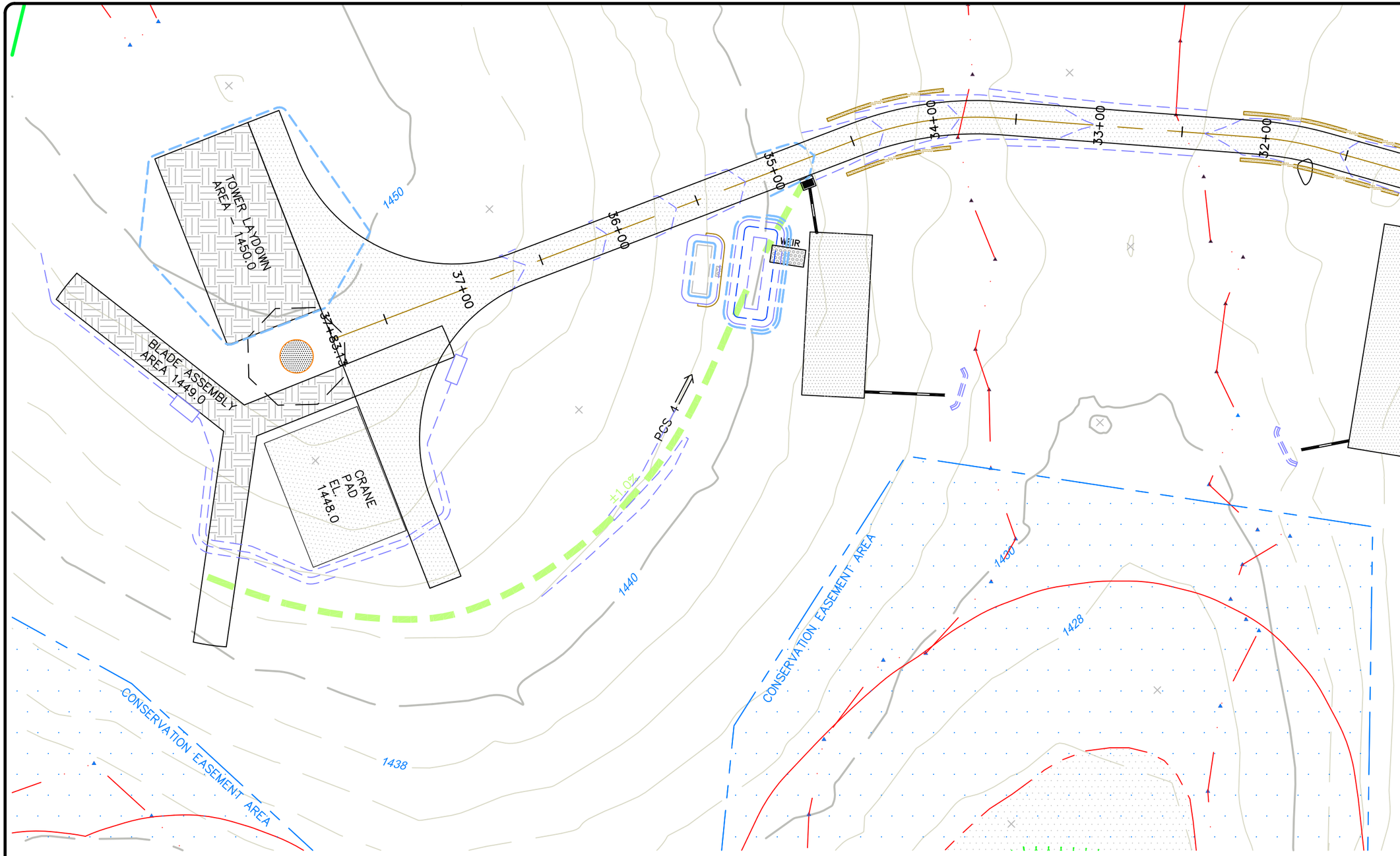
BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

GRADING PLAN
TURBINE TWO AND MAIN ACCESS DRIVE
23+50 TO 31+30

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 60'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C306



NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	FEDERAL WL DELINEATION ADDED	22 NOV 11
3	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 360 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

GRADING PLAN
TURBINE THREE AND MAIN ACCESS DRIVE
31+30 TO 37+83

WIND COLEBROOK SOUTH
FLAGG HILL ROAD

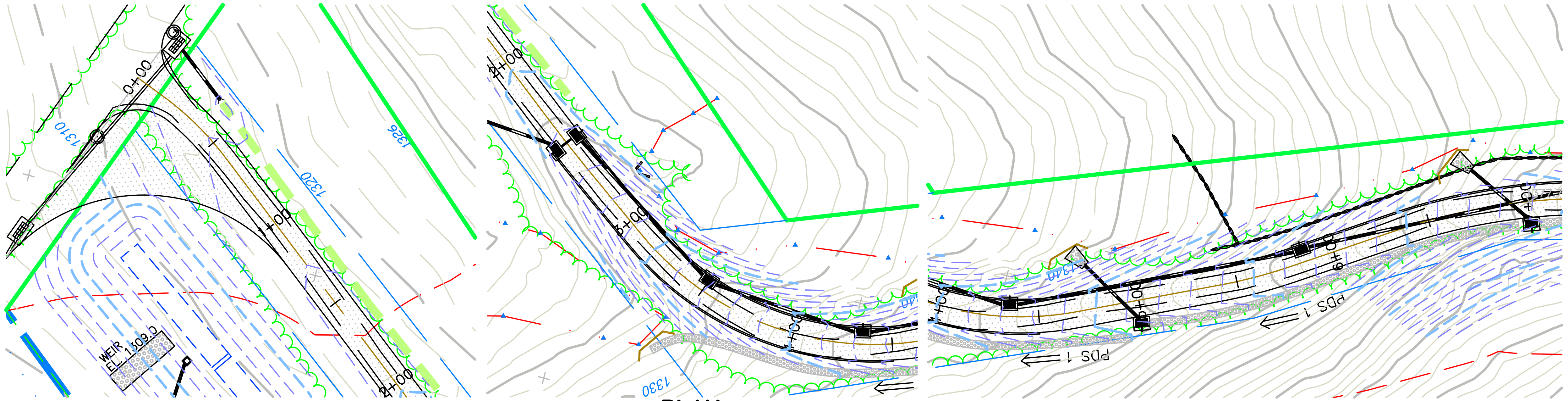
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

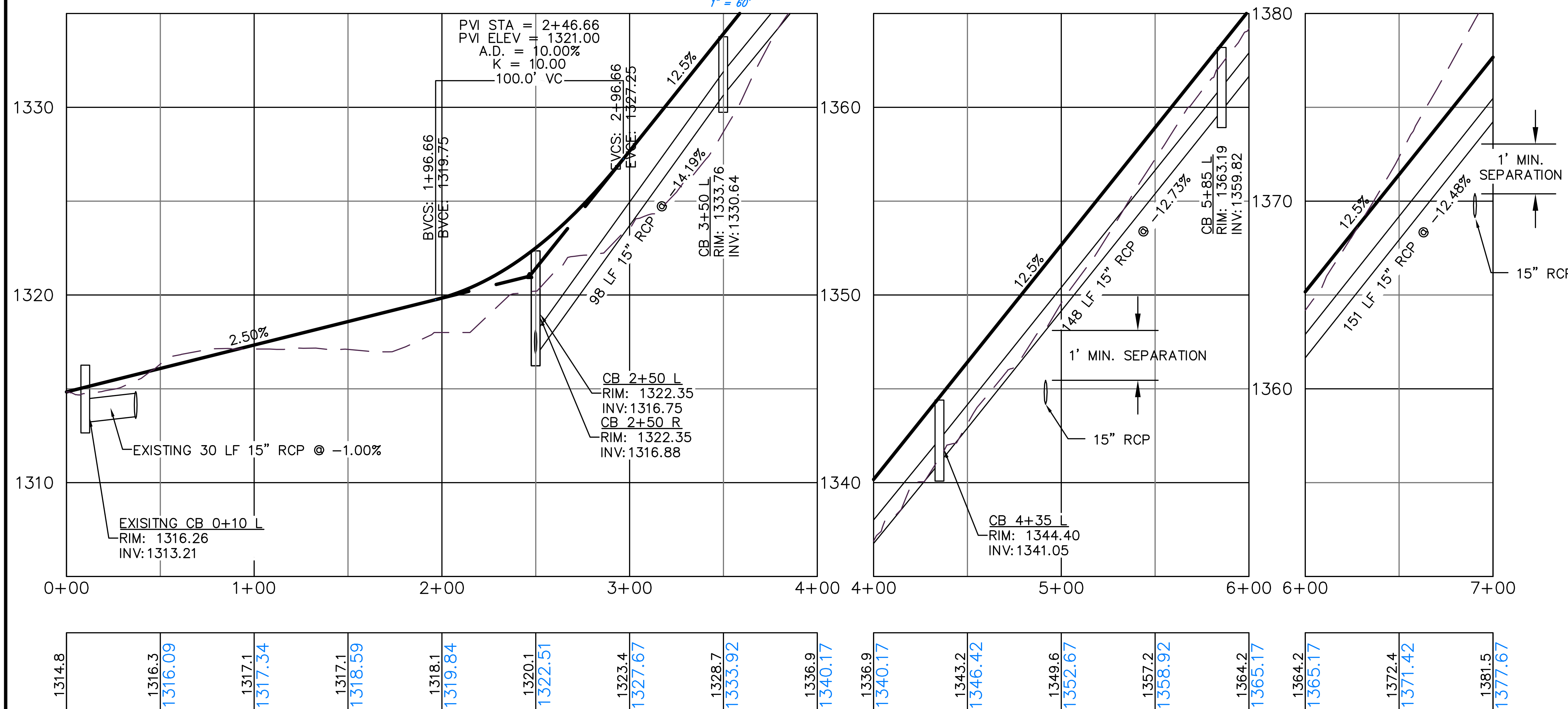
DRAWN: BB APPROVED: CJ
SCALE: 1" = 80'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C307

LEGEND

- EXISTING MEADOW TO BE RESTORED
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE
- PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
- LIMITS OF CLEARING
- COMPACTED EARTH
- DRY WATER QUALITY SWALE



PLAN
1" = 60'



PROFILE
1" = 60' HOR.
1" = 6' VER.

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60
1 inch = 60 ft.

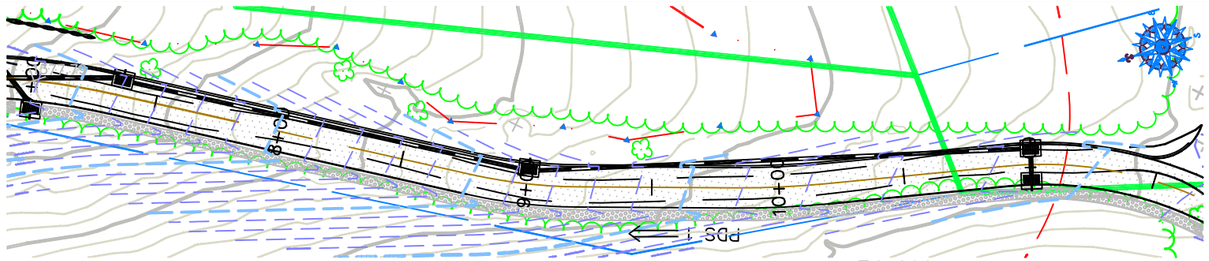
BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

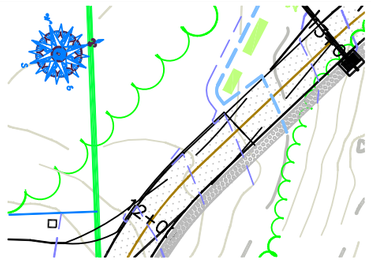
MAIN ACCESS DRIVE PLAN
AND PROFILE
0+00 TO 7+00

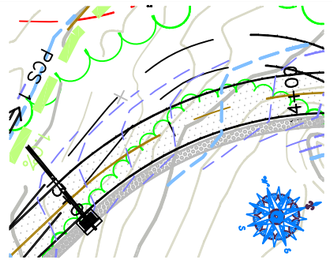
WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL 1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 60' HOR. 1" = 6' VER.
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C401

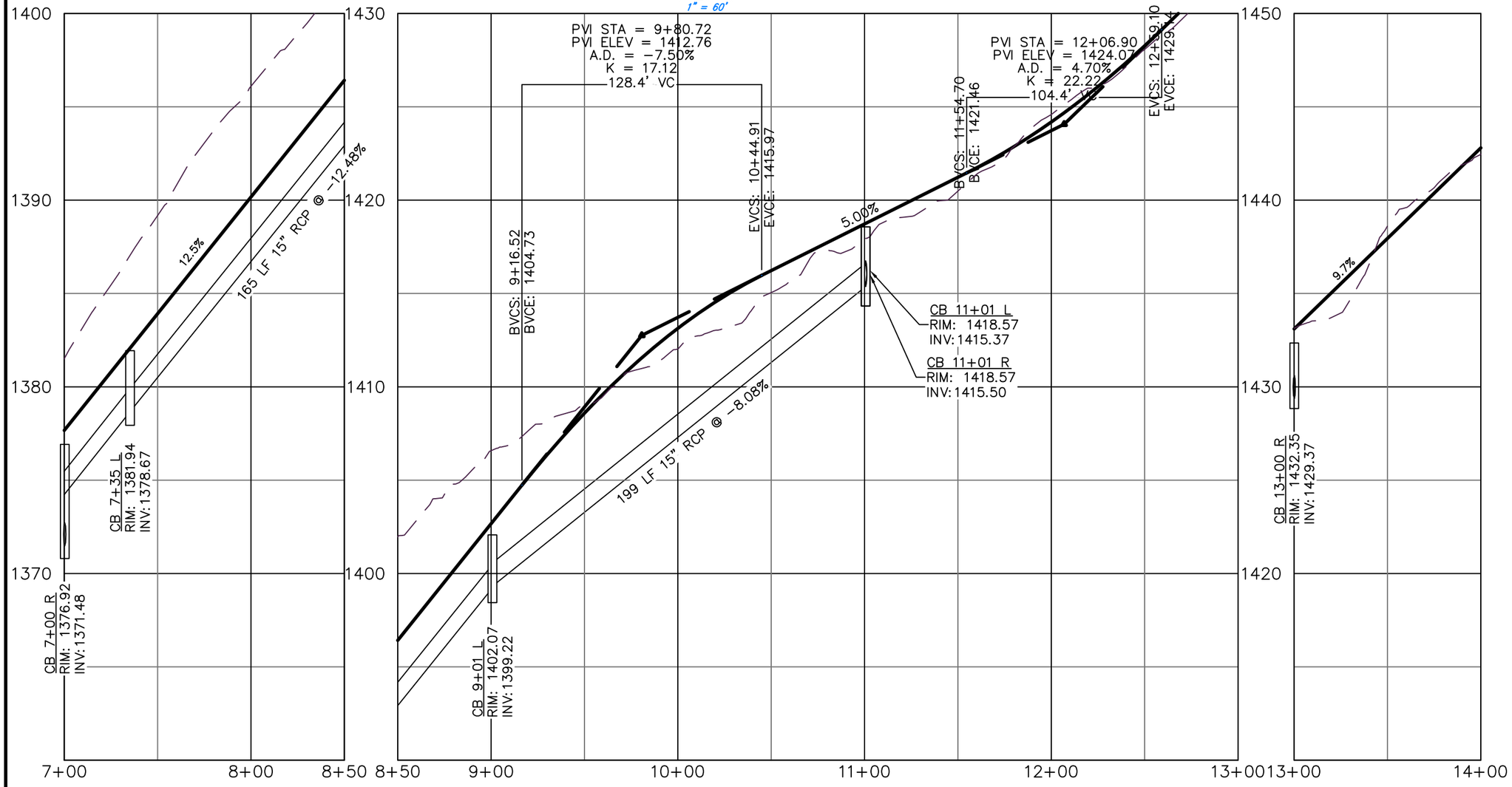






PLAN

1" = 60'



1381.5	1377.67	1389.2	1383.92	1396.1	1390.17	1402.0	1396.42	1402.0	1396.42	1406.6	1402.67	1409.0	1408.59	1412.0	1413.13	1415.1	1416.22	1417.9	1418.73	1420.5	1421.23	1424.6	1424.19	1428.1	1428.27	1433.1	1433.10	1433.1	1433.10	1438.6	1437.95	1442.5	1442.80

PROFILE

1" = 60' HOR.
1" = 6' VER.

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 60 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

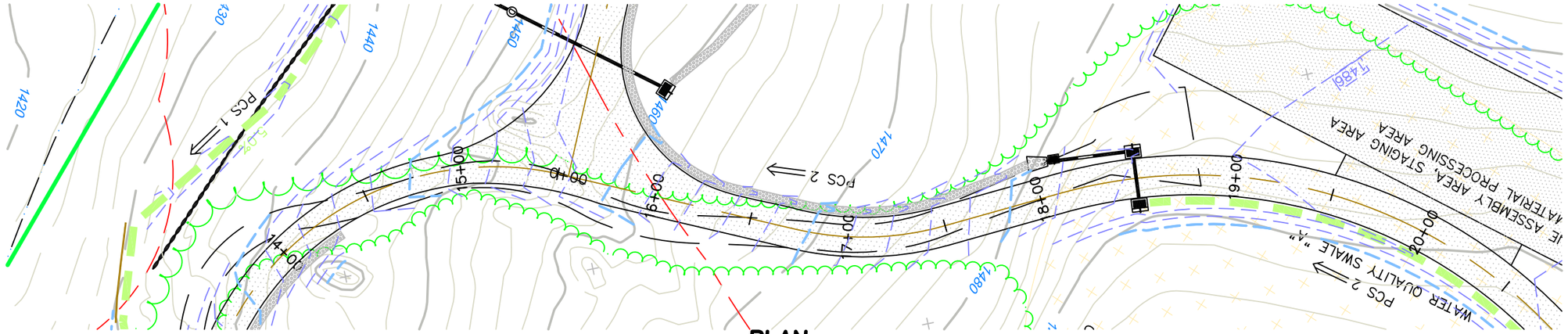
MAIN ACCESS DRIVE PLAN
AND PROFILE
7+00 TO 14+00

WIND COLEBROOK
SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

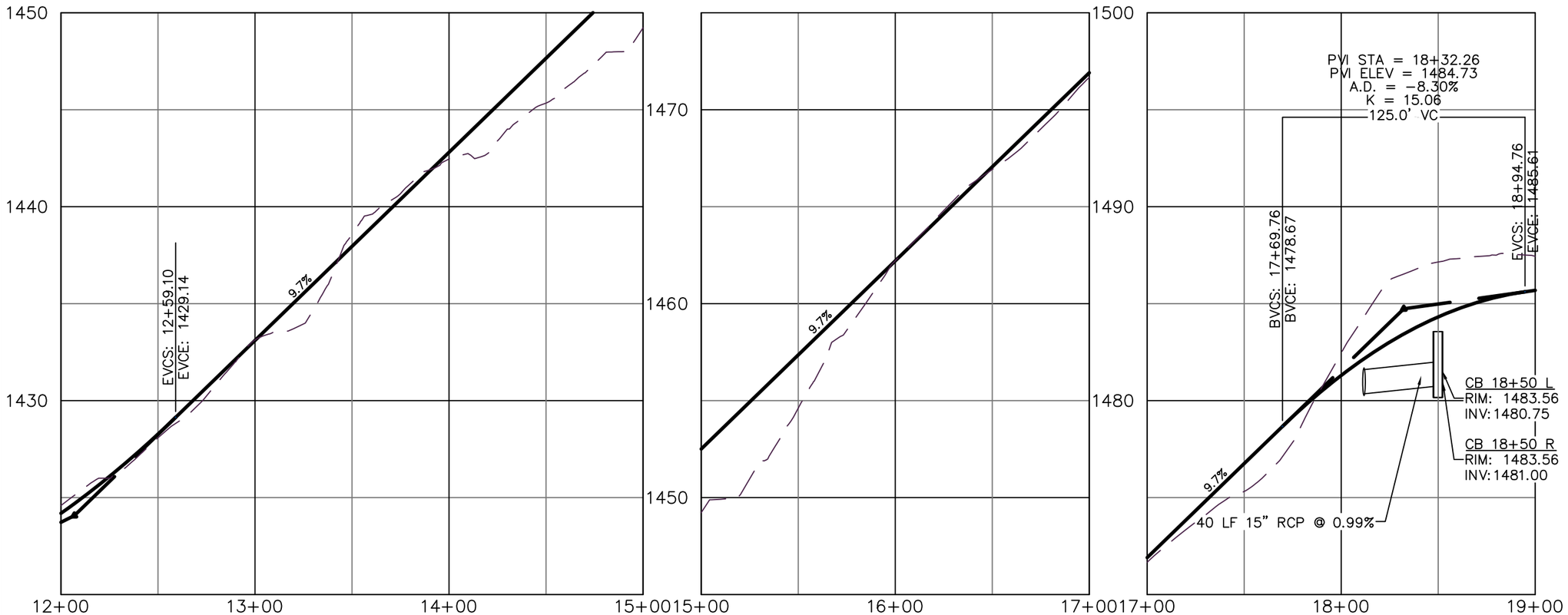
CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 60' HOR.
1" = 6' VER.
DATE: 29 JUN 12
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.:

C402



PLAN
1" = 60'



1424.6	1428.1	1433.1	1438.6	1442.5	1445.3	1449.2	
1424.19	1428.27	1433.10	1437.95	1442.80	1447.65	1452.50	

1449.2	1454.6	1462.2	1466.9	1471.7	
1452.50	1457.35	1462.20	1467.05	1471.90	

1471.7	1475.3	1482.5	1487.1	1487.4	
1471.90	1476.75	1481.30	1484.32	1485.68	

PROFILE
1" = 60' HOR.
1" = 6' VER.

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 60 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

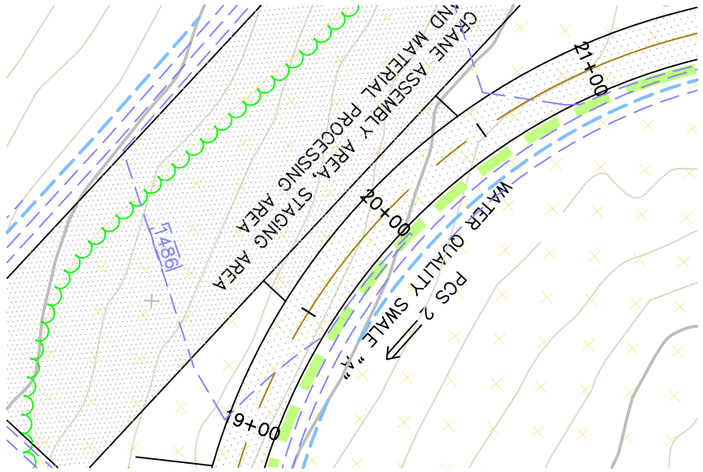
MAIN ACCESS DRIVE PLAN AND PROFILE 12+00 TO 19+00

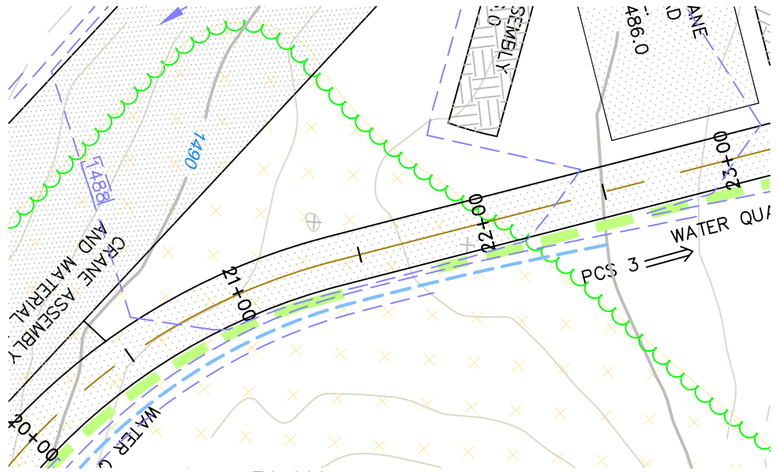
WIND COLEBROOK SOUTH
FLAGG HILL ROAD

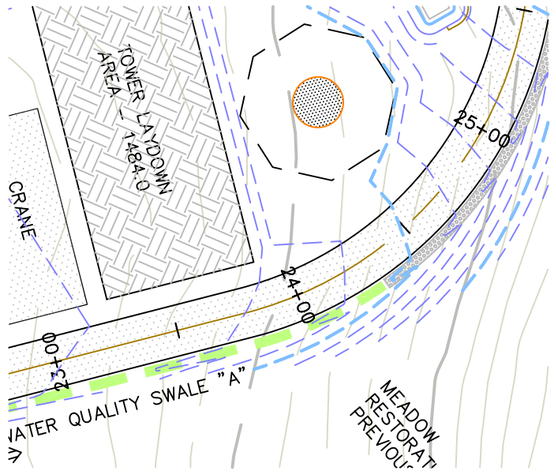
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 60' HOR, 1" = 6' VER.
DATE: 29 JUN 12
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C403

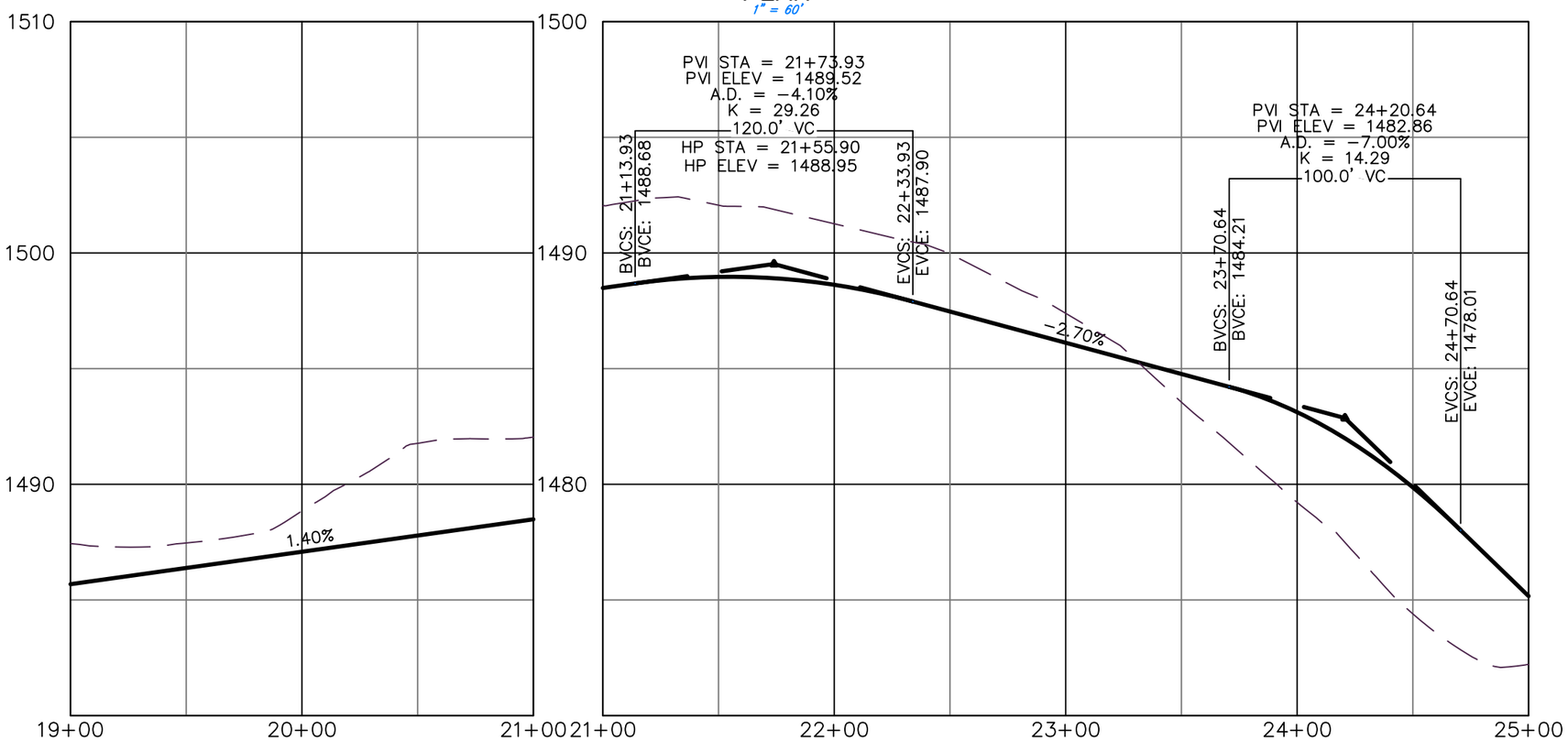






PLAN

1" = 60'



PROFILE

1" = 60' HOR.
1" = 6' VER.

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 60 ft.

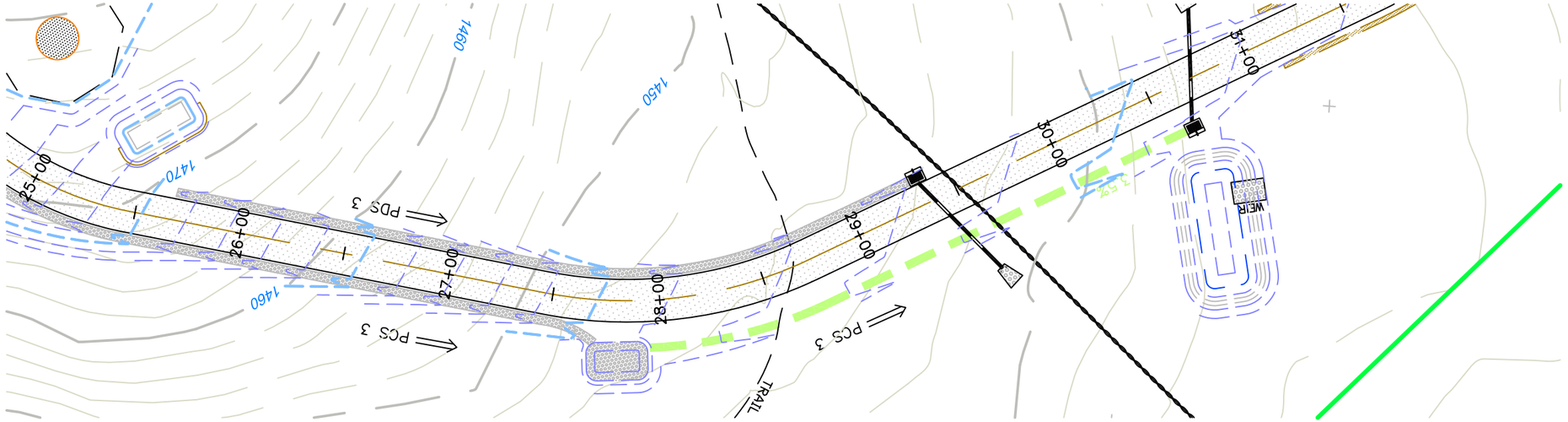
BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

MAIN ACCESS DRIVE PLAN AND PROFILE
19+00 TO 25+00

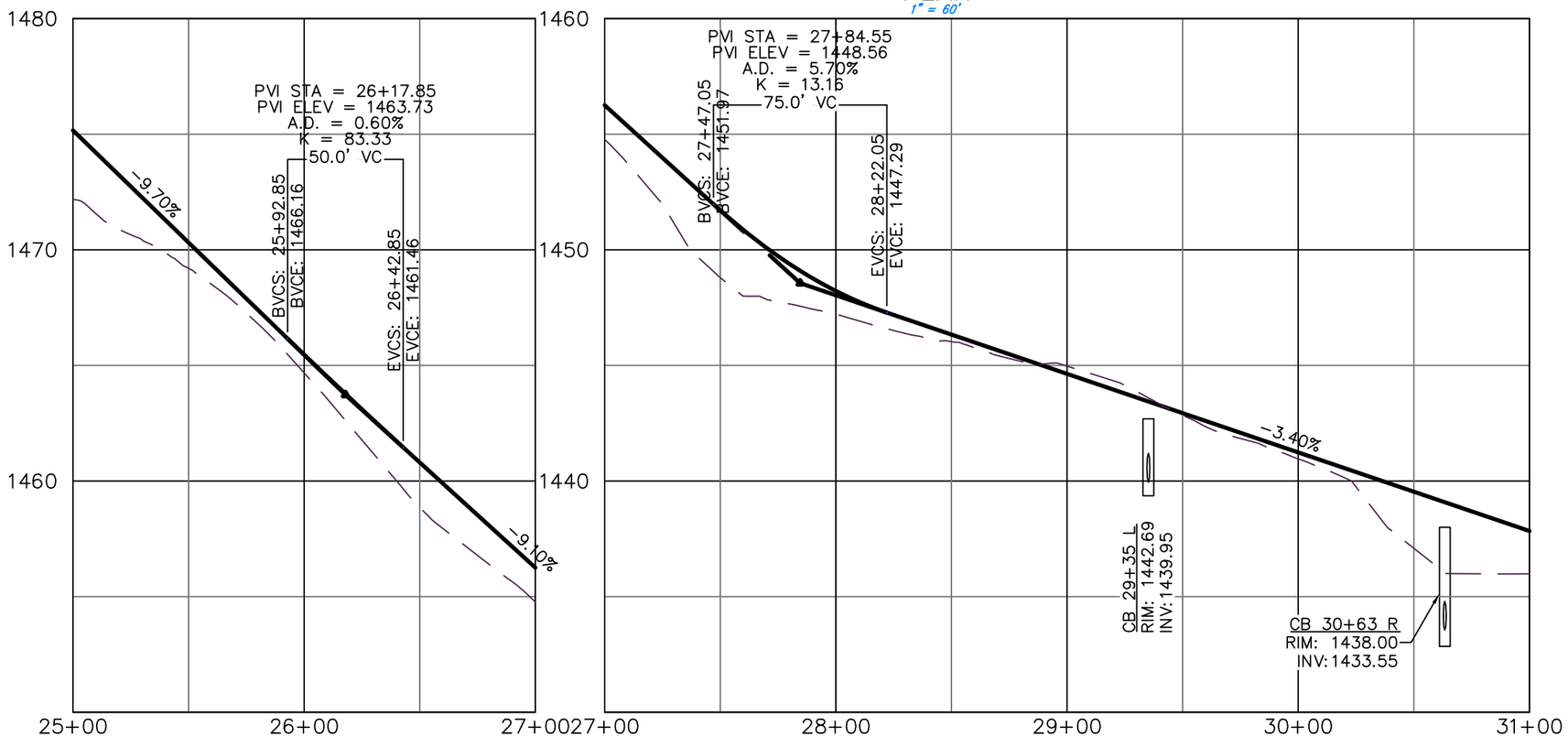
WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

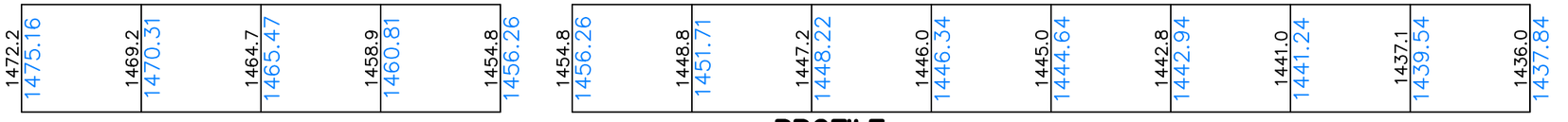
CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN:	BB
APPROVED:	CJ
SCALE:	1" = 60' HOR. 1" = 6' VER.
DATE:	29 JUN 12
PROJ. NO.:	3092
CADD FILE NAME:	3092
DRAWING NO.:	C404



PLAN
1" = 60'





PROFILE
1" = 60' HOR.
1" = 6' VER.

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 60 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

MAIN ACCESS DRIVE PLAN
AND PROFILE
25+00 TO 31+00

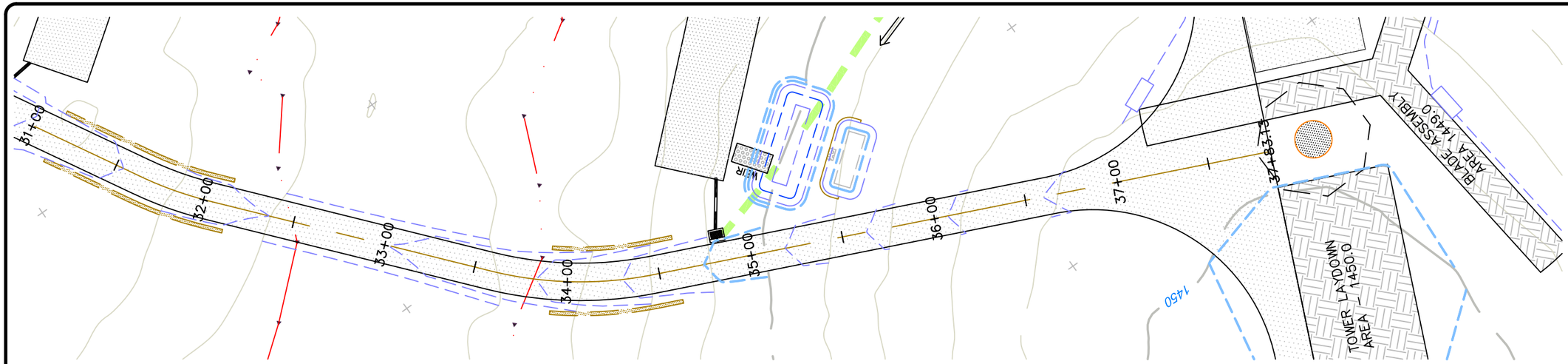
WIND COLEBROOK
SOUTH
FLAGG HILL ROAD

COLEBROOK CONNECTICUT

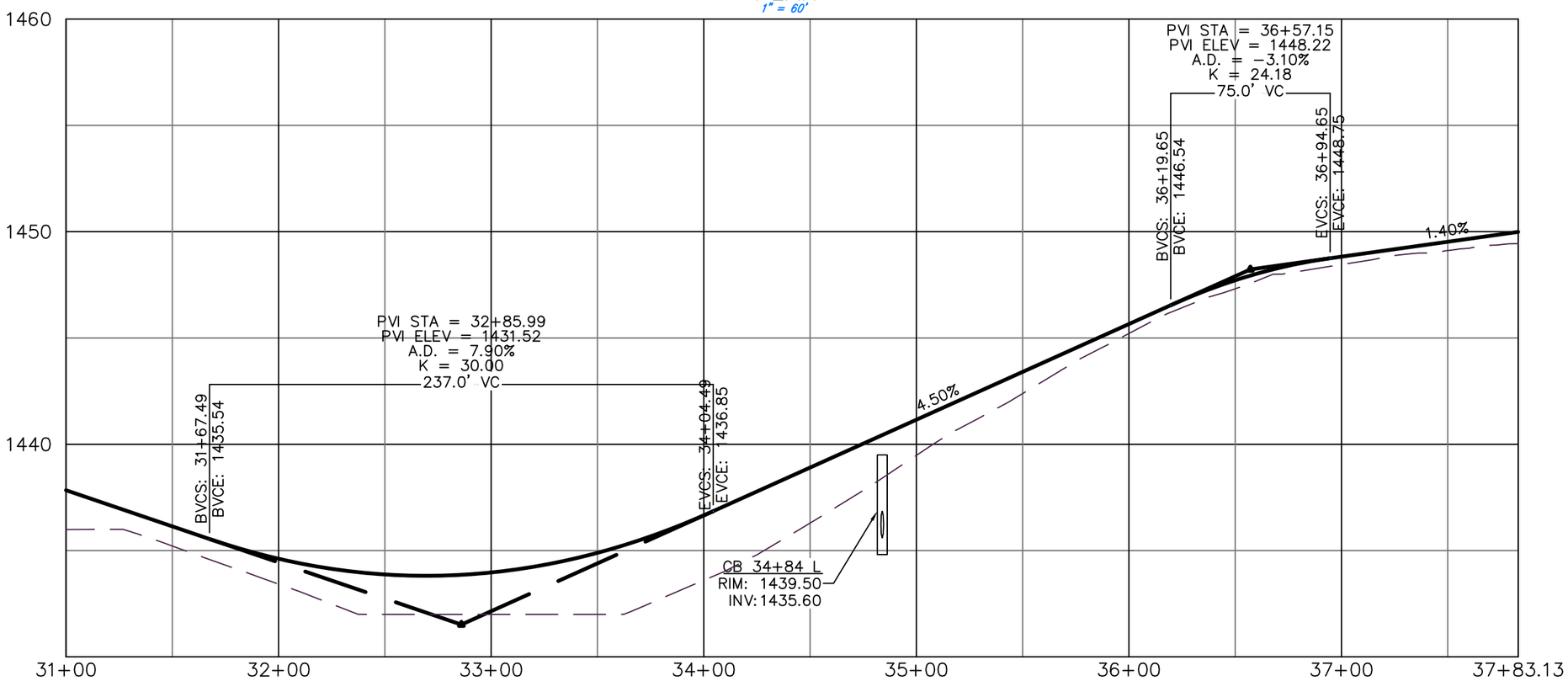
CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 60' HOR.
1" = 6' VER.
DATE: 29 JUN 12
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.:

C405



PLAN
1" = 60'



1436.0	1435.3	1433.7	1432.1	1431.4	1433.4	1435.3	1437.5	1439.6	1442.4	1445.2	1447.3	1448.5	1449.1	1449.4
1437.84	1436.14	1434.62	1433.87	1433.97	1434.89	1436.65	1438.90	1441.15	1443.40	1445.65	1447.71	1448.82	1449.52	1449.99

PROFILE
1" = 60' HOR.
1" = 6' VER.

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	FEDERAL WL DELINEATION ADDED	22 NOV 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 60 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

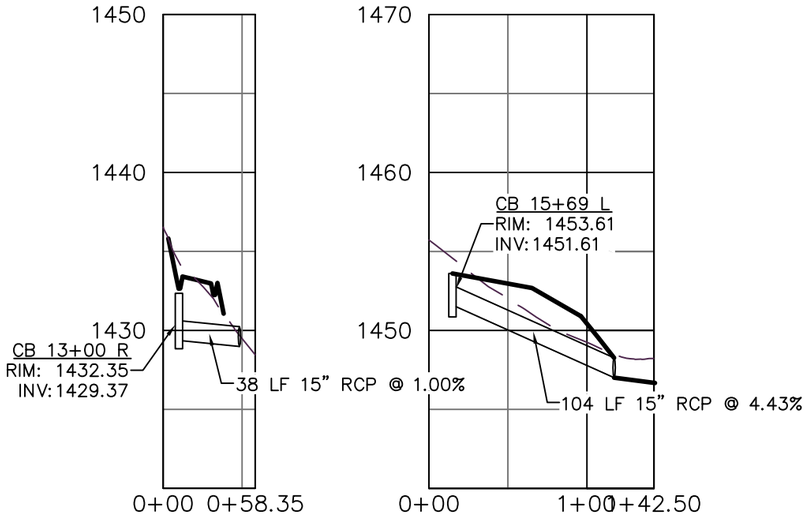
MAIN ACCESS DRIVE PLAN
AND PROFILE
31+00 TO 37+83.13

WIND COLEBROOK
SOUTH
FLAGG HILL ROAD

COLEBROOK CONNECTICUT

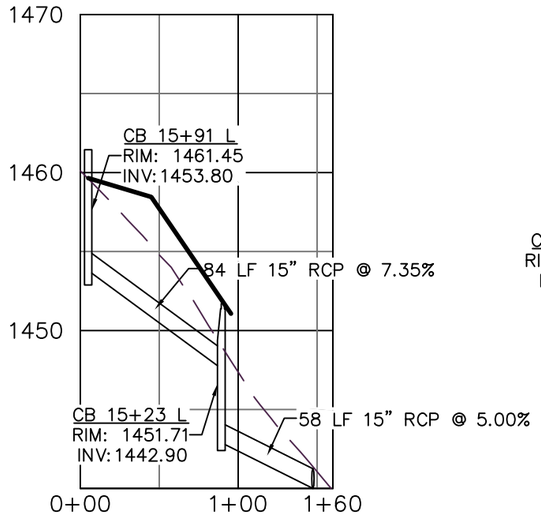
CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN:	BB
APPROVED:	CJ
SCALE:	1" = 60' HOR. 1" = 6' VER.
DATE:	29 JUN 12
PROJ. NO.:	3092
CADD FILE NAME:	3092
DRAWING NO.:	C406

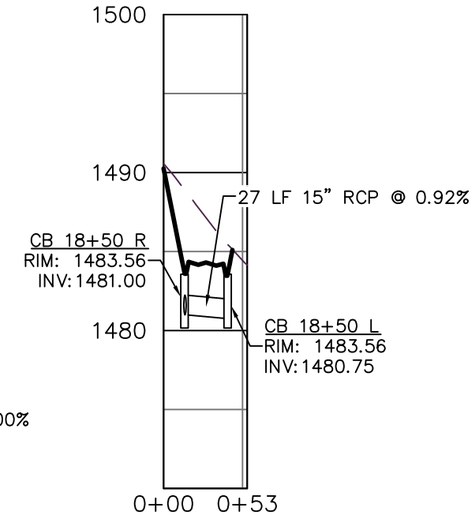


CB 13+00 TO OUTLET

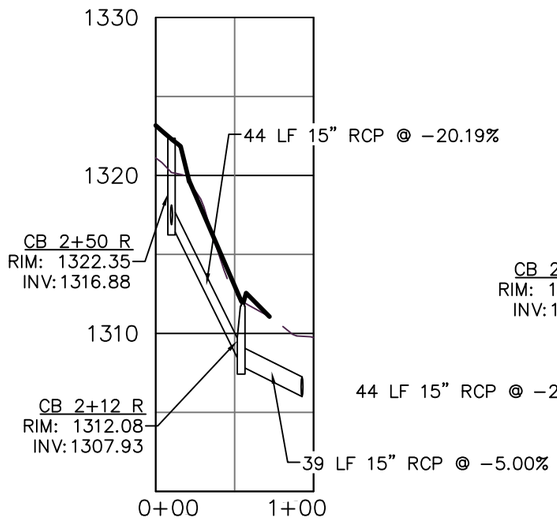
CB 15+70 TO OUTLET



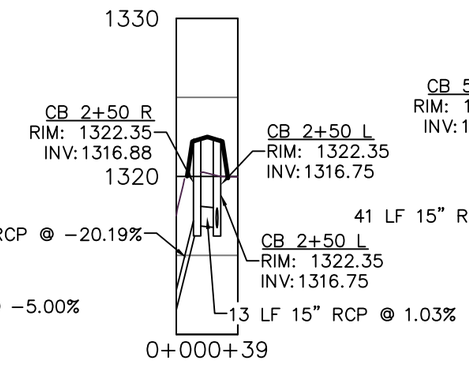
CB 15+95 TO OUTLET



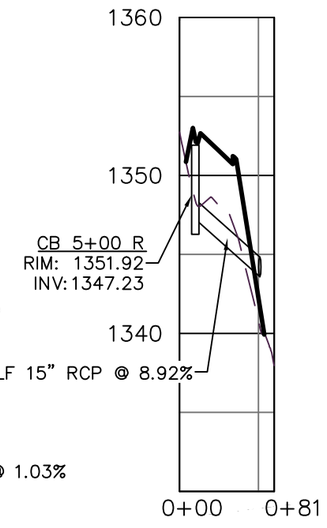
CB 18+50



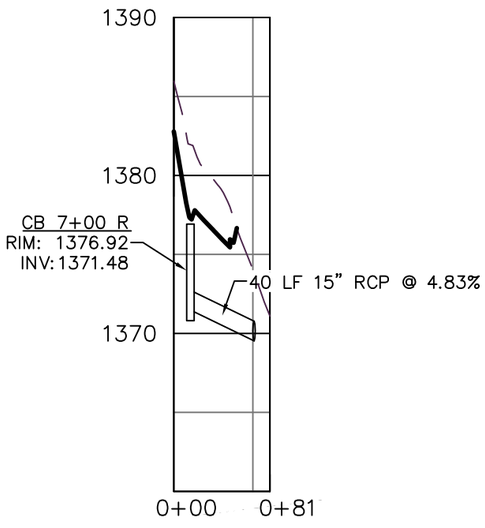
CB 2+50R TO OUTLET



CB 2+50



CB 5+00 TO OUTLET



CB 7+01 TO OUTLET

NO.	REVISION	DATE
1	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 60 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

STORM DRAINAGE
PROFILES
MAIN ACCESS DRIVE

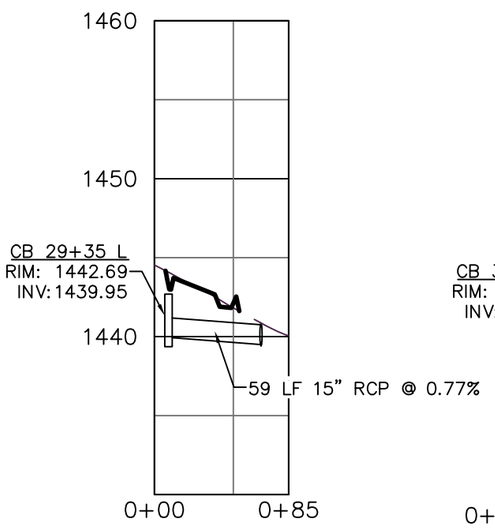
WIND COLEBROOK
SOUTH
FLAGG HILL ROAD

COLEBROOK CONNECTICUT

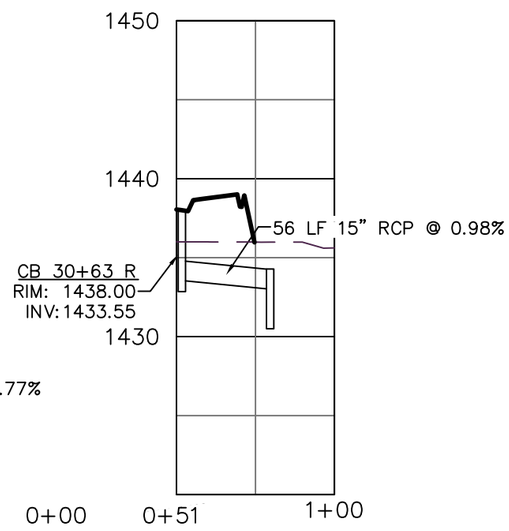
CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 60' HOR.
1" = 6' VER.
DATE: 29 JUN 12
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.:

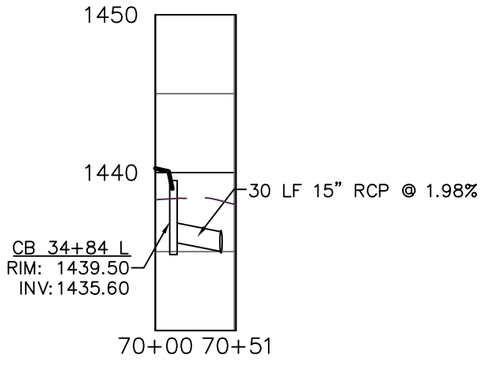
C407



CB 29+35L TO OUTLET



CB 30+65R TO OUTLET



CB 34+85L TO OUTLET

NO.	REVISION	DATE
1	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 60 *ft.*

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

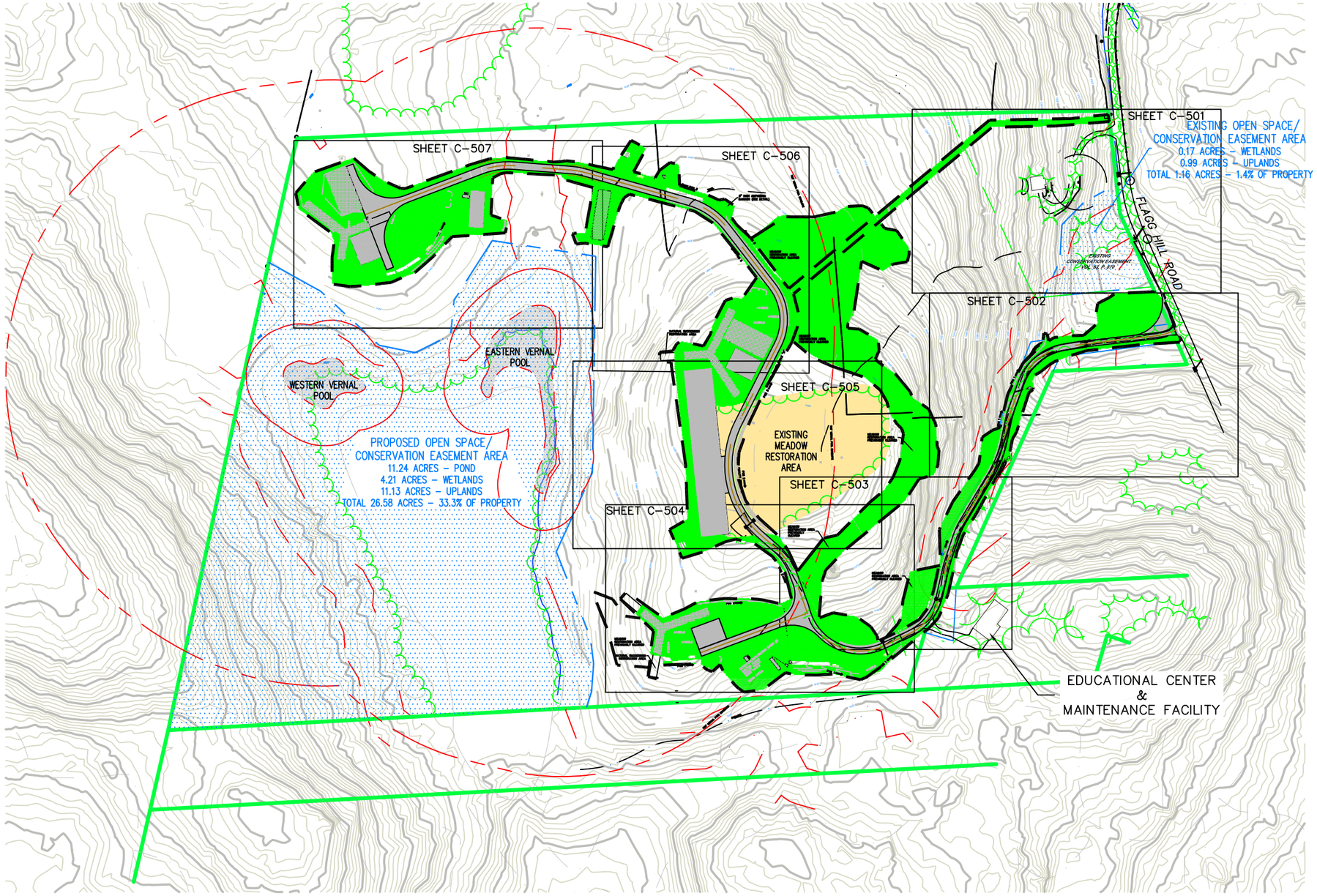
STORM DRAINAGE
PROFILES
MAIN ACCESS DRIVE

WIND COLEBROOK
SOUTH
FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN:	BB
APPROVED:	CJ
SCALE:	1" = 60' HOR. 1" = 6' VER.
DATE:	29 JUN 12
PROJ. NO.:	3092
CADD FILE NAME:	3092
DRAWING NO.:	C408



LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- CONTOUR FROM CONSTRUCTION GRADING TO REMAIN
- CONTOUR FROM CONSTRUCTION GRADING TO BE MODIFIED
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
- LIMITS OF CLEARING
- PROPOSED UPLAND MEADOW RESTORATION AREA
- DRY WATER QUALITY SWALE
- EXISTING MEADOW
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12
3	CLEARING AREA REVISED	23 JUL 12
4	EXISTING BUILDINGS ADDED	28 AUG 12

Previous Editions Obsolete

0 150 300

1 inch = 300 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

POST CONSTRUCTION GRADING PLAN

WIND COLEBROOK SOUTH

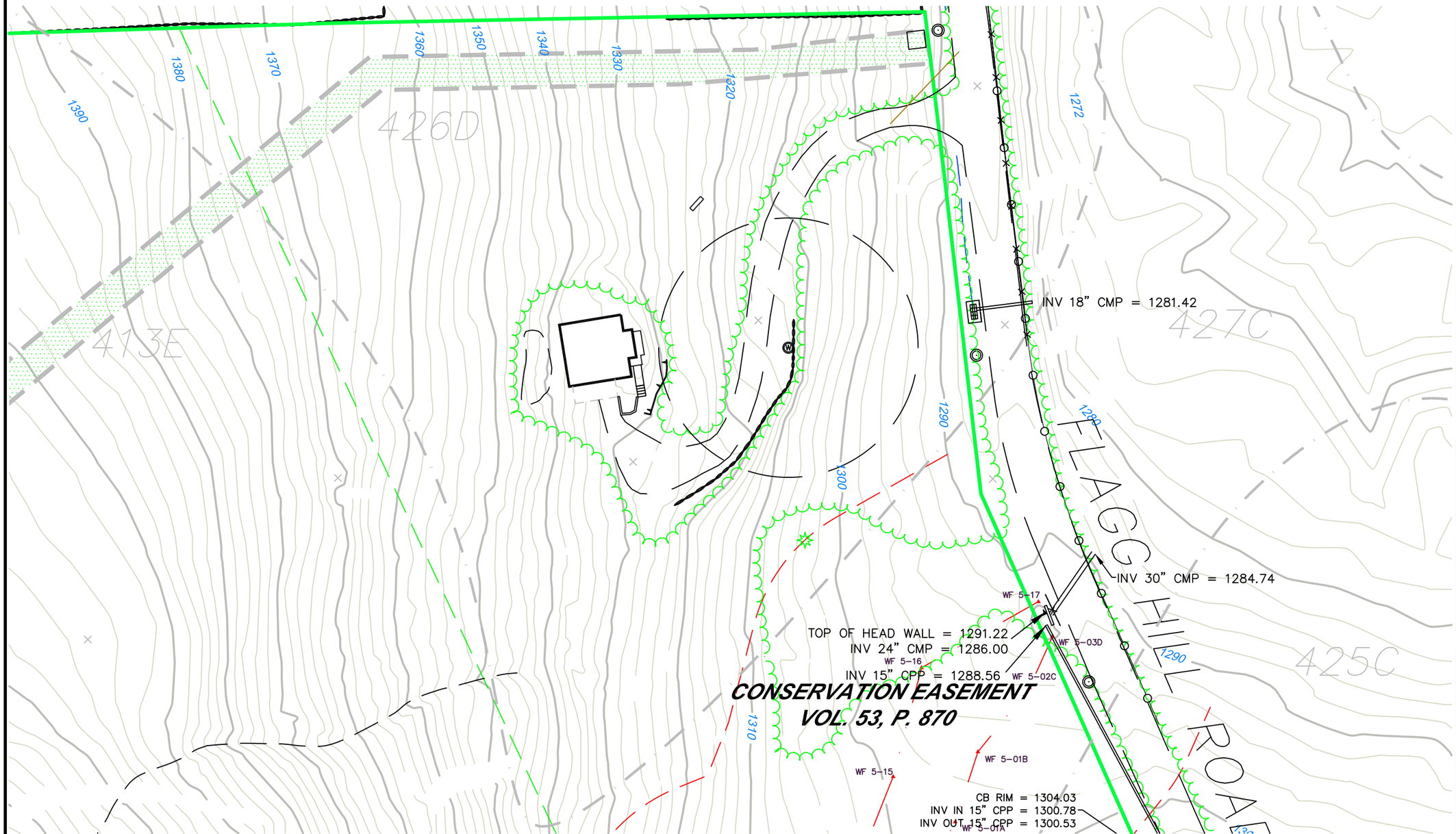
FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 300'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.:

C500



LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- CONTOUR FROM CONSTRUCTION GRADING TO REMAIN
- CONTOUR FROM CONSTRUCTION GRADING TO BE MODIFIED
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
- LIMITS OF CLEARING
- PROPOSED UPLAND MEADOW RESTORATION AREA
- DRY WATER QUALITY SWALE
- EXISTING MEADOW
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 360 ft.

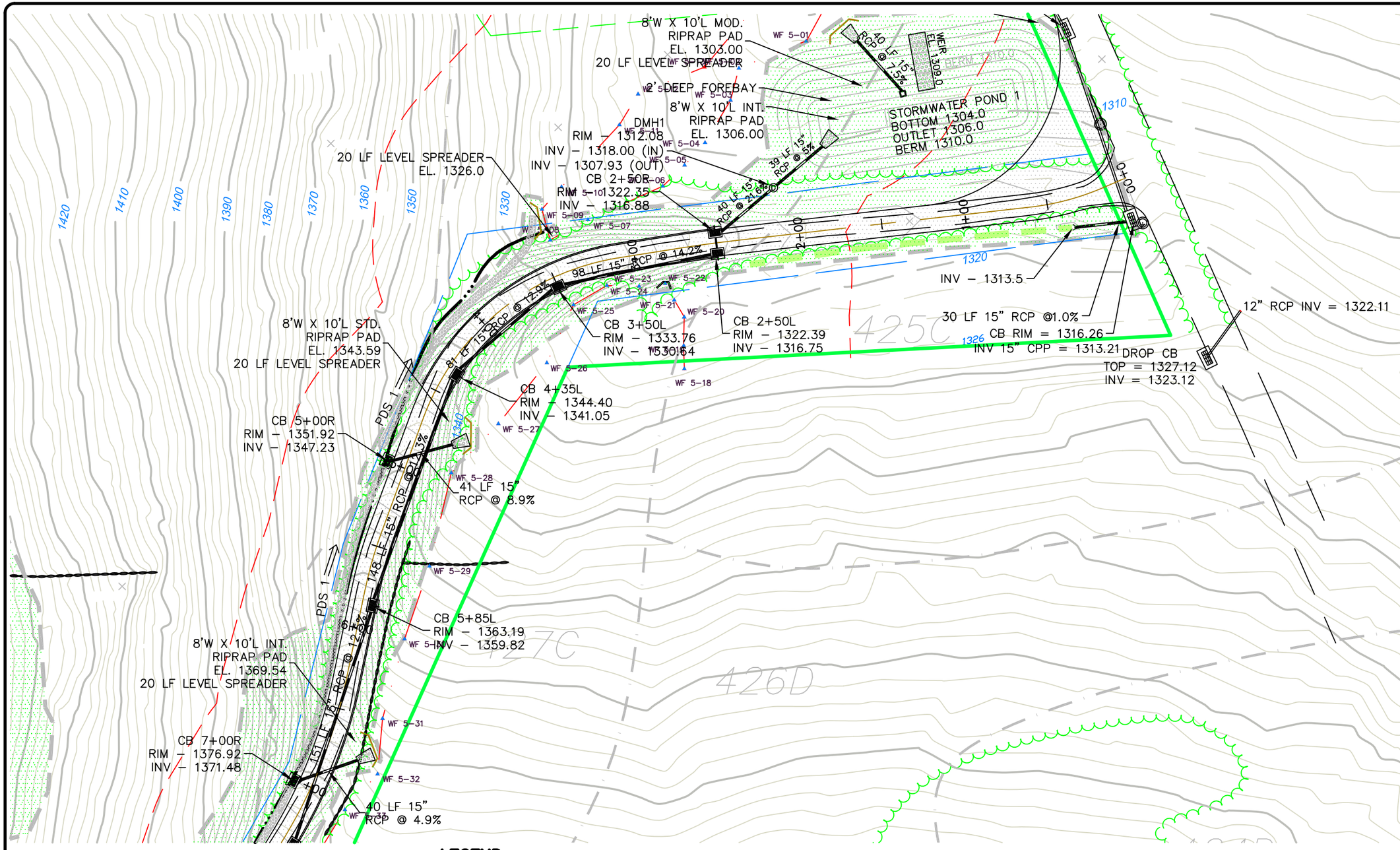
BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

POST CONSTRUCTION
GRADING PLAN
COLLECTOR YARD

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN:	BB
APPROVED:	CJ
SCALE:	1" = 60'
DATE:	26 AUG 11
PROJ. NO.:	3092
CADD FILE NAME:	3092
DRAWING NO.:	C501



LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- CONTOUR FROM CONSTRUCTION GRADING TO REMAIN
- CONTOUR FROM CONSTRUCTION GRADING TO BE MODIFIED
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
- LIMITS OF CLEARING
- PROPOSED UPLAND MEADOW RESTORATION AREA
- DRY WATER QUALITY SWALE
- EXISTING MEADOW
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 30 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

POST CONSTRUCTION GRADING PLAN MAIN ACCESS DRIVE 0+00 TO 7+50

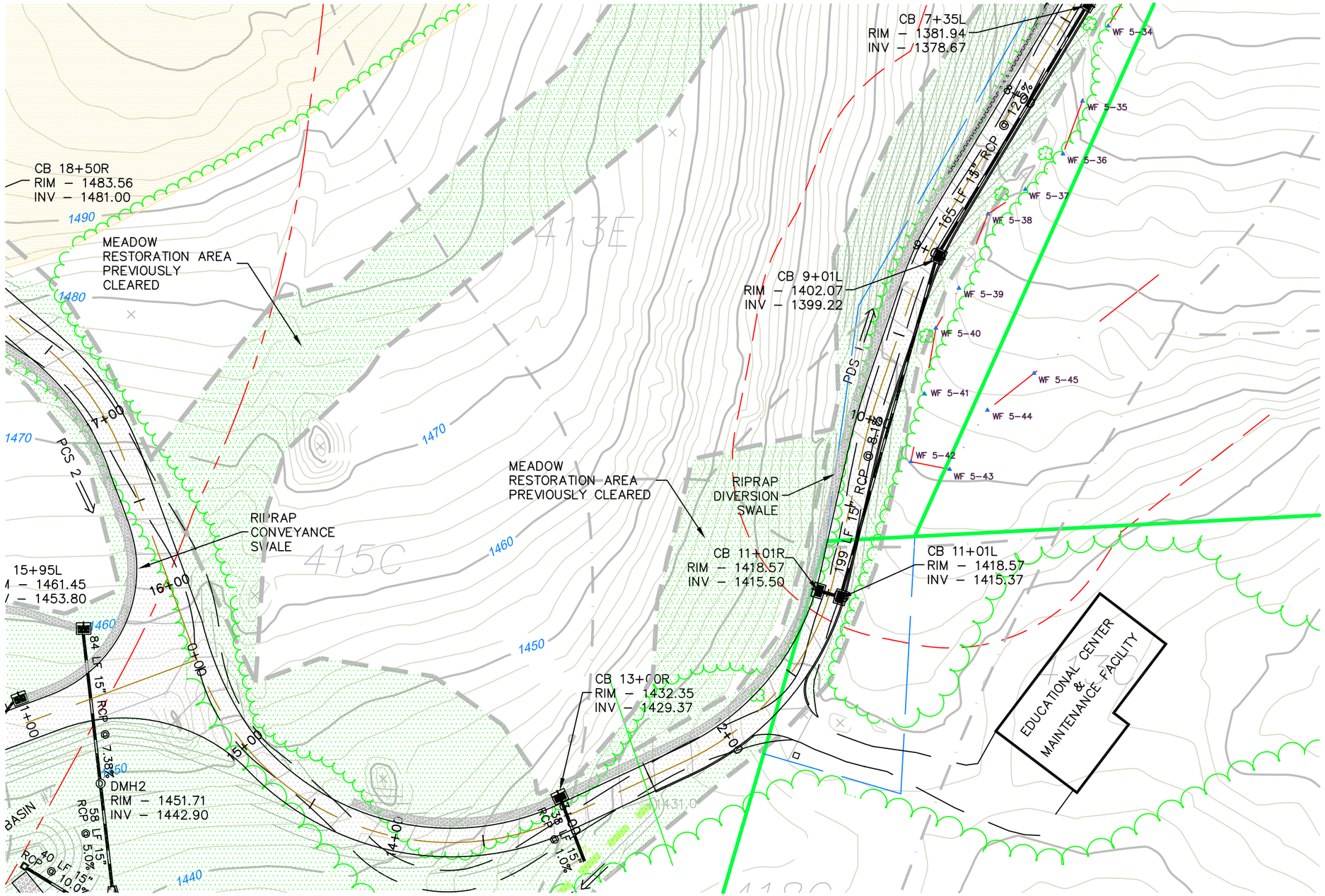
WIND COLEBROOK SOUTH

FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN:	BB
APPROVED:	CJ
SCALE:	1" = 60'
DATE:	26 AUG 11
PROJ. NO.:	3092
CADD FILE NAME:	3092
DRAWING NO.:	C502



LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- CONTOUR FROM CONSTRUCTION GRADING TO REMAIN
- CONTOUR FROM CONSTRUCTION GRADING TO BE MODIFIED
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE

- PROPOSED ACCESS DRIVE
- PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
- LIMITS OF CLEARING
- PROPOSED UPLAND MEADOW RESTORATION AREA
- DRY WATER QUALITY SWALE
- EXISTING MEADOW
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12
3	CLEARING AREA REVISED	23 JUL 12
4	EXISTING BUILDINGS ADDED	28 AUG 12

Previous Editions Obsolete

0 30 60

1 inch = 60 ft.

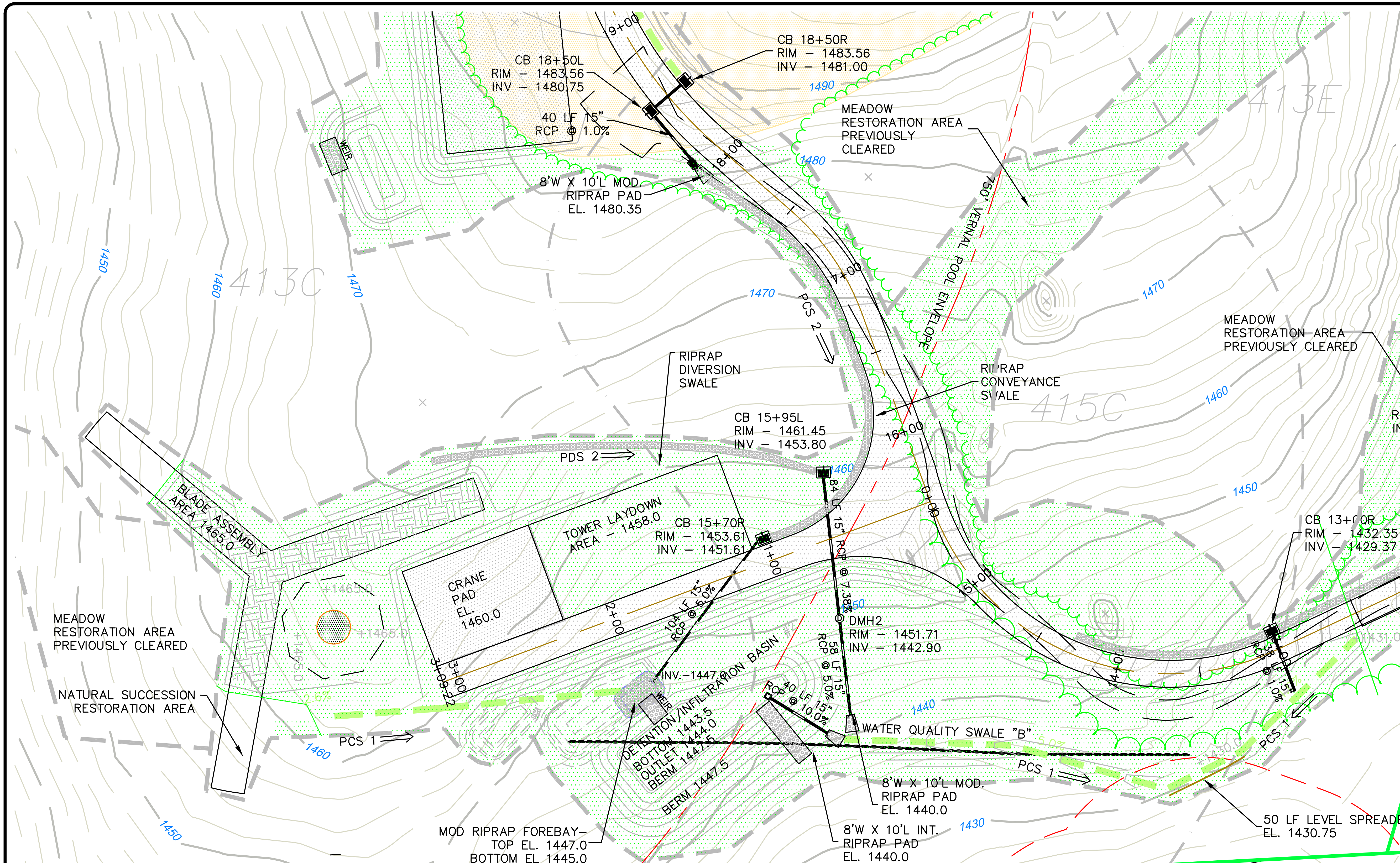
BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

POST CONSTRUCTION GRADING PLAN
MAIN ACCESS DRIVE
7+50 TO 17+50

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 60'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: **C503**



LEGEND

	DRY WATER QUALITY SWALE
	EXISTING MEADOW
	VERNAL POOL AREA
	100' VERNAL POOL SETBACK
	750' VERNAL POOL ENVELOPE
	PROPERTY LINE
	EXISTING CONTOUR
	CONTOUR FROM CONSTRUCTION GRADING TO REMAIN
	CONTOUR FROM CONSTRUCTION GRADING TO BE MODIFIED
	PROPOSED CONTOUR
	PROPOSED STORM DRAINAGE
	EDGE OF WATER
	WETLANDS/WATERCOURSE BOUNDARY
	100' WETLANDS REVIEW AREA
	EXISTING ROADWAY
	PROPOSED ACCESS DRIVE
	PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
	LIMITS OF CLEARING
	PROPOSED UPLAND MEADOW RESTORATION AREA

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12
3	CLEARING AREA REVISED	23 JUL 12

Previous Editions Obsolete

0 30 60

1 inch = 30 ft.

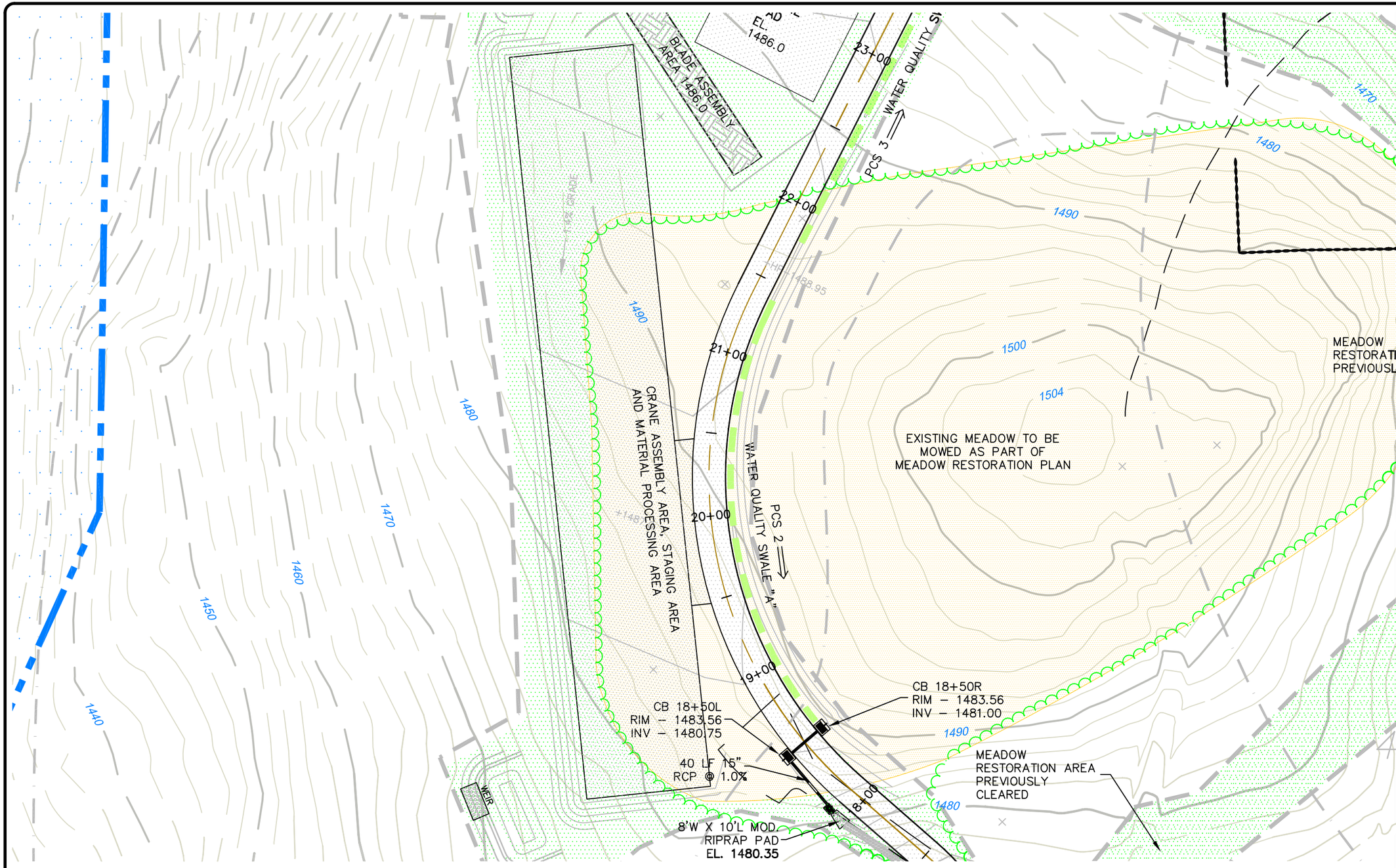
BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

POST CONSTRUCTION
GRADING PLAN
TURBINE ONE AND MAIN
ACCESS DRIVE
13+00 TO 18+50

WIND COLEBROOK
SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL 1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 30'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.:
C504



NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 360 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

POST CONSTRUCTION GRADING PLAN MAIN ACCESS DRIVE 18+50 TO 23+50

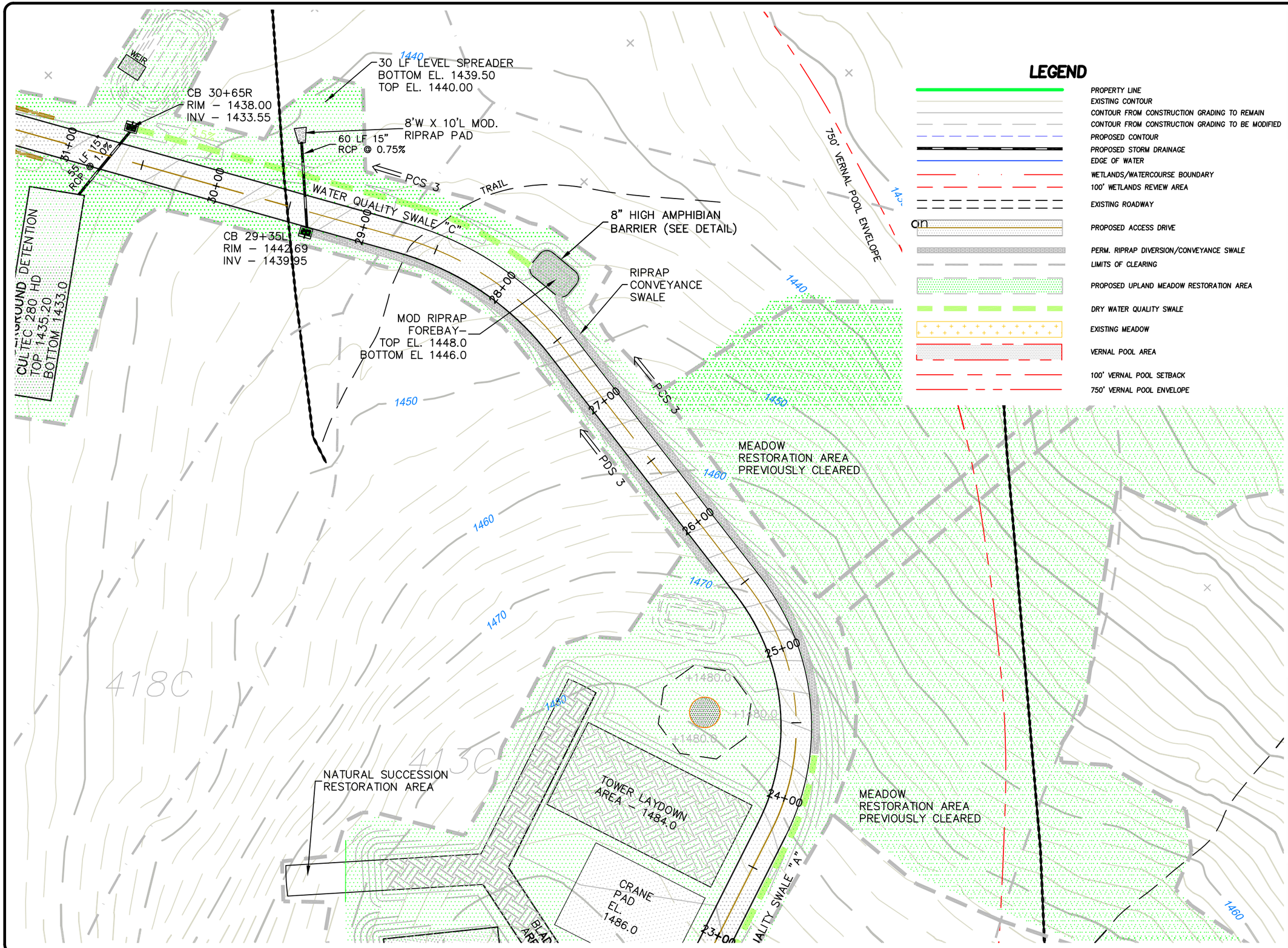
WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 80'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C505

LEGEND

- DRY WATER QUALITY SWALE
- EXISTING MEADOW
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE
- PROPERTY LINE
- EXISTING CONTOUR
- CONTOUR FROM CONSTRUCTION GRADING TO REMAIN
- CONTOUR FROM CONSTRUCTION GRADING TO BE MODIFIED
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
- LIMITS OF CLEARING
- PROPOSED UPLAND MEADOW RESTORATION AREA



LEGEND

- PROPERTY LINE
- EXISTING CONTOUR
- CONTOUR FROM CONSTRUCTION GRADING TO REMAIN
- CONTOUR FROM CONSTRUCTION GRADING TO BE MODIFIED
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
- LIMITS OF CLEARING
- PROPOSED UPLAND MEADOW RESTORATION AREA
- DRY WATER QUALITY SWALE
- EXISTING MEADOW
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	REVISED ROAD ALIGNMENT	29 JUN 12
3	CLEARING AREA REVISED	23 JUL 12

Previous Editions Obsolete

0 30 60

1 inch = 360 ft.

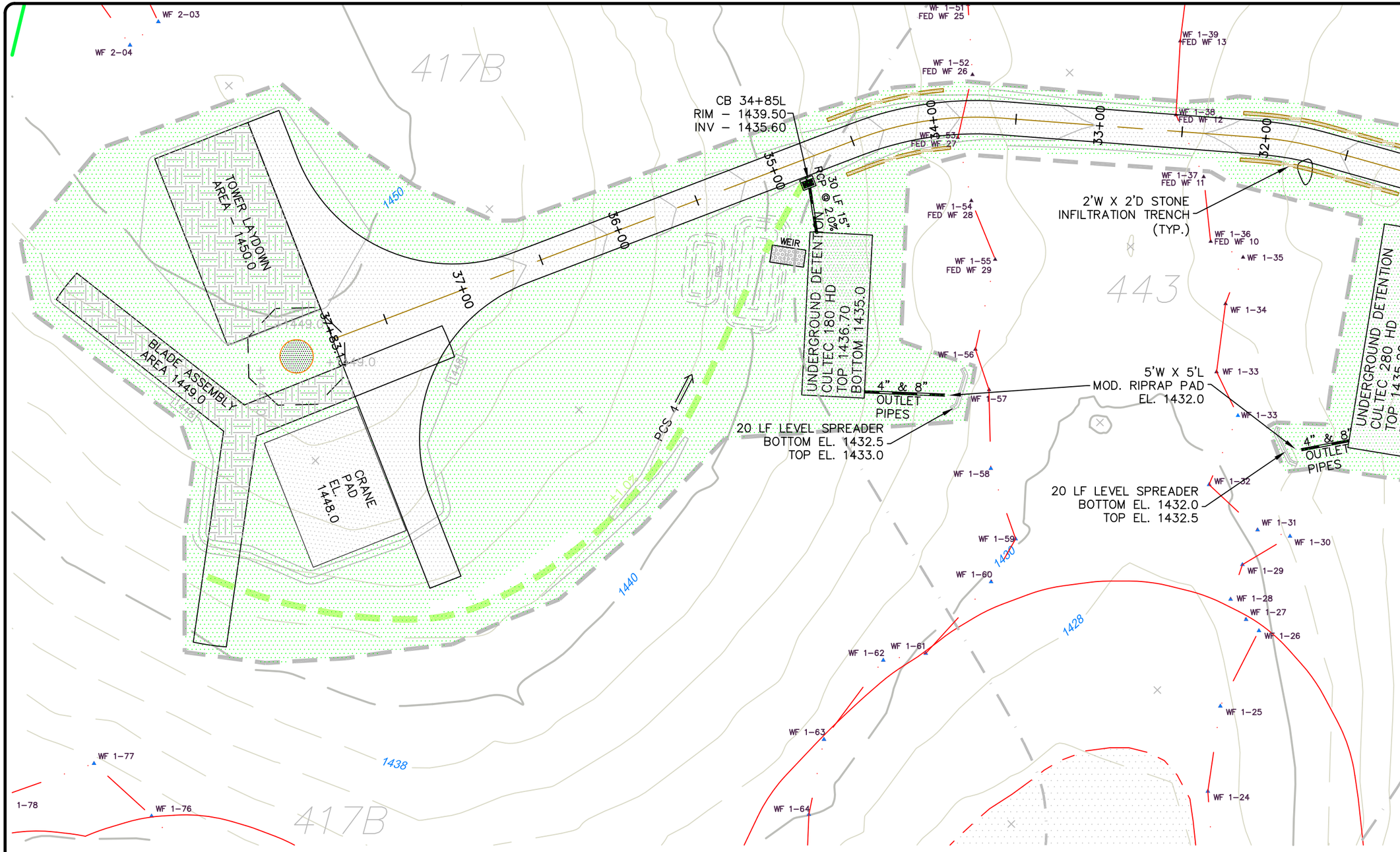
BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

POST CONSTRUCTION
GRADING PLAN
TURBINE TWO AND MAIN
ACCESS DRIVE
23+50 TO 31+30

WIND COLEBROOK
SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN:	BB
APPROVED:	CJ
SCALE:	1" = 80'
DATE:	26 AUG 11
PROJ. NO.:	3092
CADD FILE NAME:	3092
DRAWING NO.:	C506



LEGEND

- DRY WATER QUALITY SWALE
- EXISTING MEADOW
- VERNAL POOL AREA
- 100' VERNAL POOL SETBACK
- 750' VERNAL POOL ENVELOPE
- PROPERTY LINE
- EXISTING CONTOUR
- CONTOUR FROM CONSTRUCTION GRADING TO REMAIN
- CONTOUR FROM CONSTRUCTION GRADING TO BE MODIFIED
- PROPOSED CONTOUR
- PROPOSED STORM DRAINAGE
- EDGE OF WATER
- WETLANDS/WATERCOURSE BOUNDARY
- 100' WETLANDS REVIEW AREA
- EXISTING ROADWAY
- PROPOSED ACCESS DRIVE
- PERM. RIPRAP DIVERSION/CONVEYANCE SWALE
- LIMITS OF CLEARING
- PROPOSED UPLAND MEADOW RESTORATION AREA

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11
2	FEDERAL WL DELINEATION ADDED	22 NOV 11
3	REVISED ROAD ALIGNMENT	29 JUN 12

Previous Editions Obsolete

0 30 60

1 inch = 30 ft.

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

POST CONSTRUCTION GRADING PLAN
TURBINE THREE AND MAIN ACCESS DRIVE
31+50 TO 37+83

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: 1" = 80'
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C507

CONSTRUCTION SEQUENCE

STEPS TO BE TAKEN TO PREVENT THE SILTING OF THE WETLANDS DURING CONSTRUCTION OF THE ACCESS DRIVE AND LAYDOWN AREAS FOR THE 'WIND COLEBROOK SOUTH' PROJECT, FLAGG HILL ROAD, COLEBROOK, CT.

THE SEQUENCE OF CONSTRUCTION WILL BE AS FOLLOWS:

Field stakeout the limits of all construction activities.

Clear all vegetation within the construction area from the main access drive Sta. 0+00 to 31+83, turbine 1 access drive Sta. 0+00 to 3+09 and from all turbine laydown and assembly areas. All trees/shrubs less than 6" in diameter shall be chipped. Install silt fence, hay bales and other perimeter siltation controls as shown on the erosion and sediment control plans prior to removal of stumps.

Remove stumps from the the main access drive from station 0+00 to 16+50, the turbine 1 access drive and the turbine 1 laydown and assembly area. Stumps shall be removed from the site. Stumps are not to be buried.

Strip topsoil material and stockpile prior to rough grading of roadways, turbine laydown and assembly areas. Stockpile material at locations shown on the plans. Ensure adequate erosion control measures are in place around stockpile areas.

Rough grade the main access drive from station 0+00 to 16+50, the turbine 1 access drive and the turbine 1 laydown and assembly area. The cuts and fills will be made and material processed on site as necessary. All finished slopes loamed, seeded and mulched unless specified to be finished with riprap.

Construct temporary sediment traps 1 & 2. Install storm drainage from Station 0+00 to 16+50 and the storm drainage in the turbine 1 access drive. Install all temporary and permanent water diversions to keep clean water away from construction areas and divert sediment laiden water toward temporary sediments traps and staked haybale barries.

Temporary diversion ditches with haybales may need to be installed to control lateral runoff along both sides of the proposed road prior to importing processed gravel.

Place gravel on drive, compact in 3–8" lifts per detail on proposed drives and crane pad #1. Pave driveway from station 0+00 to 12+50.

Remove stumps from the area of the proposed access drive from Station 16+50 to 38+13, the crane assembly area, turbine 2 location, and turbine 3 location. Stumps shall be removed from the site. Stumps are not to be buried.

Water bars, haybale traps and silt fence will be used to control erosion during rough grading of access drive as shown.

Strip topsoil material and stockpile prior to rough grading of roadway. Stockpile material at locations shown on the plans. Ensure adequate erosion control measures are in place around stockpile areas.

Rough grade access drive to station proposed access drive from Station 16+50 to 38+13, the crane assembly area, turbine 2 location, and turbine 3 location. Install Seepage Envelope at wetlands crossing per detail.

Install drainage and construct TSTs 3–5. The cuts and fills will be made and material processed on site as necessary. All finished slopes loamed, seeded and mulched unless specified to be finished with riprap.

Additional haybales shall be placed across unpaved roads at the end of each work day to prevent sedimentation and soil erosion as required.

Construct riprap swales, stone infiltration trenches and water quality trenches as shown on plans. The swales and water quality trenches need to be protected from sedimentation during construction. If sedimentation occurs they will need to be cleaned or reconstructed as necessary until vegetation has been established.

Provide temporary seeding measures on all exposed soils which were damaged due to construction activities and are not to be permanently restored or are outside of construction traffic zones for a period in access of 30 days.

Seed all disturbed areas. Clean all silt from drainage structures. Remove temporary sediment traps and erosion control measures after site is stabilized with vegetation.

After turbine construction is complete grade site in accordance with the post–construction grading plans and plant the upland meadow restoration areas as shown.

The starting time for the construction is unknown, however the time limit for the construction of the drive should be limited to 180 days.

EROSION CONTROL NARRATIVE

RESPONSIBILITY FOR THE PLAN

Whenever sedimentation is caused by stripping vegetation and/or grading, it shall be the responsibility of the person, corporation or other entity having responsibility to remove sedimentation from all lower properties, drainage systems and watercourses and to repair any damage at their expense as quickly as possible.

All control measures will be maintained in effective condition throughout the construction period. Surface inlets shall be kept open and free of sediment and debris. The system shall be checked after every major storm and sediment shall be disposed of at an approved location consistent with the plan.

It shall be the responsibility of any person, corporation or other entity engaging in any act on or near any stream, watercourse or swale or upon the flood plain or right–of–way thereof to maintain as nearly as possible in its present state that same stream, watercourse, swale, flood plain or right–of–way for the duration of the activity and to return it to its original or equal condition after such activity is completed.

No person, corporation or other entity shall block, impede the flow of, alter, construct any structure or deposit any material or thing or commit any act which affects normal or flood flow in any communal stream or watercourse without having obtained prior approval from the Town.

SEEDING AND PLANTING REQUIREMENTS

Seedbed Preparation
Fine grade and rake surface to remove stones larger than 2" in diameter. Install needed erosion control devices such as surface water diversions. Grade stabilization structures, sediment basins or drainage channels to maintain grassed areas. Apply limestone at a rate of 2 tons/Ac. or 90 lbs/1000 SF unless otherwise required according to soil test results. Apply fertilizers with 10–10–10 at a rate of 300 lbs./Ac. or 77.5 lbs/1000 SF. At least 50% of the nitrogen shall be from organic sources. Work lime and fertilizer into soil uniformity to a depth of 4" with a whisk, springtooth harrow or other suitable equipment following the contour lines.

Seed Application
Apply grass mixtures at rates specified by hand, cyclone seeder or hydroseeder. Increase seed mixture by 10% if hydroseeder is used. Lightly drag or roll the seeded surface to cover seed. Seeding for selected fine grasses should be done between April 1 and June 1 or between August 15 and October 15. If seeding cannot be done during these times, repeat mulching procedure below until seeding can take place or seed with a quick germinating seed mixture to stabilize slopes. A quick germinating seed mixture (Domestic Rye) can be applied between June 15 through August 15 as approved by the Architect or Engineer.

Mulching
Immediately following seeding, mulch the seeded surface with straw, hay or wood fiber at a rate of 1.5 to 2 tons/Ac. except as otherwise specified elsewhere. Mulches should be free of weeds and coarse matter. Spread mulch by hand or mulch blower. Punch mulch into soil surface with track machine or disk harrow set straight up. Mulch material should be "tucked" approximately 2– 3" into the soil surface. Chemical mulch binders or netting, in combination with the straw, hay or wood fibers, will be used where difficult slopes do not allow harrowing by machines.

Grass Seed Mixtures

Temporary Covers		Permanent Covers	
Perennial ryegrass	20 lbs/Ac.	Creeping Red Fescue	40 lbs/Ac.
Annual ryegrass	20 lbs/Ac.	Canada Bluegrass	20 lbs/Ac.

GENERAL PRINCIPLES

The following general principles shall be maintained as effective means of minimizing erosion and sedimentation during the development process.

Stripping away of vegetation, regrading or other development shall be done in such a way as to minimize erosion.

Grading and development plans shall preserve important natural features, keep cut and fill operations to a minimum, and insure conformity with topography so as to create the least erosion potential and adequately handle the volume and velocity of surface water runoff.

Whenever feasible, natural vegetation shall be retained, protected and supplemented wherever indicated on the site development plan.

The undisturbed area and the duration of exposure shall be kept to a practical minimum.

Disturbed soils shall be stabilized as quickly as possible.

Temporary vegetation and/or mulching shall be used to protect exposed critical areas during development when expected to be exposed in excess of 30 days.

The permanent (final) vegetation and mechanical erosion control measures shall be installed as soon as practical during construction.

Sediment in the runoff water shall be trapped until the disturbed areas is stabilized by the use of debris basins, sediment basins, silt traps or similar measures.

Concentration of surface runoff shall be only permitted by piping and/or through drainage swales or natural watercourses.

Excavation and Fills ––

Slopes created by cuts or fills shall not be steeper than 1.5:1 and shall be restabilized by temporary or permanent measures, as required during the development process and shown on the site plans.

Adequate provisions shall be made to prevent surface water from damaging the cut face of excavations or the sloping surfaces of fills.

Cut and fills shall not endanger adjoining property.

All fills shall be compacted to provide stability of material and to prevent undesirable settlement. The fill shall be spread in a series of layers each not exceeding twelve (12) inches in thickness and shall be compacted by a sheep roller or other approved method after each layer is spread.

Fills shall not encroach on natural watercourses, constructed channels or regulated flood plain areas, unless permitted by license or permit from authority having jurisdiction in accordance with approved site plans.

Fills placed adjacent to natural watercourses, constructed channels or flood plains shall have suitable protection against erosion during periods of flooding.

Grading shall not be done in such a way as to divert water onto the property of another landowner without their express written consent.

During grading operations, necessary measures for dust control shall be exercised.

Sedimentation and erosion control shall be implemented in accordance with the Guidelines for Soil Erosion and Sediment Control (2002) – State of Connecticut DEP Bulletin 34.

The following general specifications will also be adhered to:

Land disturbance will be kept to a minimum. Restabilization will be scheduled as soon as practical.

*TEMPORARY SEDIMENT TRAPS WILL BE SURROUNDED TO THE MAXIMUM EXTENT PRACTICAL WITH SILT FENCE TO EXCLUDE MIGRATING AMPHIBIANS AND AVOID THESE BASINS BECOMING DECOY POOLS.

Haybale filters will be installed at all culvert outlets and along the toe of all critical cut and fill slopes.

Culvert discharge areas will be protected with riprap channels. Energy dissipaters will be provided as necessary.

Catch basins will be protected with haybale filters throughout the construction period and until all disturbed areas are thoroughly stabilized.

All erosion and sediment control measures will be constructed in accordance with the standards and specifications of the Guidelines for Soil Erosion and Sediment Control (2002) – State of Connecticut DEP Bulletin 34.

*SYNCOPATED SILT FENCING WILL BE EMPLOYED WITHIN 750' OF THE VERNAL POOLS TO FACILITATE MOVEMENT OF WETLAND–DEPENDENT AMPHIBIANS TO AND FROM THESE VERNAL POOLS DURING CONSTRUCTION.

Erosion and sediment control measures will be installed prior to construction whenever possible.

All control measures will be maintained in effective condition throughout the construction period.

Additional control measures will be installed during construction if necessary or required.

All erosion control measures shall be inspected weekly and within 24 hours of a rainfall event of 0.5 inches or greater.

WETLAND REGULATED ACTIVITY

Wetlands Impacts (Federal Wetlands):
Crossing at Station 33+00 – 4,250 sf

Total Activity in Wetlands – 4,250 sf

Wetlands Impacts Total– (State & Federal Wetlands):
Crossing at Station 33+00 – 4,250 sf
Driveway Improvements Station 3+00 to 3+50 – 360 sf

Total Activity in Wetlands – 4,610 sf

*TEMPORARY SEDIMENT TRAPS & DEWATERING BASINS WILL BE SURROUNDED TO THE MAXIMUM EXTENT PRACTICAL WITH SILT FENCE TO EXCLUDE MIGRATING AMPHIBIANS AND AVOID THESE BASINS BECOMING DECOY POOLS.

*SYNCOPATED SILT FENCING WILL BE EMPLOYED WITHIN 750' OF THE VERNAL POOLS TO FACILITATE MOVEMENT OF WETLAND–DEPENDENT AMPHIBIANS TO AND FROM THESE VERNAL POOLS DURING CONSTRUCTION.

RESPONSIBILITY FOR EROSION CONTROL PLAN

THE PARTY RESPONSIBLE FOR THE IMPLEMENTATION AND OVERSIGHT OF THE EROSION CONTROL PLAN SHALL BE:
BNE ENERGY, INC.
TOWN CENTER, SUITE 200
29 SOUTH MAIN STREET
WEST HARTFORD, CT 06107
PHONE # – 860–561–5102

UPLAND RESTORATION AND THIRD PARTY MONITORING NARRATIVE

Wind Colebrook South – Upland Restoration Plan

Disturbed upland areas will be restored following construction with New England Conservation/Wildlife Mix, a native herbaceous seed mixture that will form a permanent, maintenance free cover of grasses, forbs, wildflowers and legumes. This seed mixture will provide erosion control and wildlife habitat value. Areas that will not be subject to annual mowing will revert to forest through the natural process of succession.

Upland Restoration Plan Construction Sequence and Planting Schedule

1. Prior to all work, erosion control barriers will be installed as detailed on the Erosion Control Plan.
2. Where adequate topsoil (±6 inches) does not exist, disturbed areas shall be backfilled to a minimum depth of 6 inches with clean topsoil. Once final topsoil is in place, these areas will be planted with New England Conservation/Wildlife Mix after the completion of final grading. The seed mix will be applied at a rate of 1 lb/1,750 square feet. Soil conditioning activities, including raking, will be combined with the seed application process.
3. Where 2:1 slopes are utilized for final grading, or in areas specified on the plan sheets, biodegradable erosion control matting will be installed over the seed mixture to promote establishment of vegetation and aid in stabilization. The contractor will use 'SC2' erosion control matting, available at New England Wetland Plants Inc. (413) 548–8000 or an approved equivalent.
4. The contractor will be responsible for the careful installation, maintenance (including watering) and establishment of native plant material in these areas.
5. The erosion control barriers shall be disassembled following successful stabilization of these areas. Sediment collected by these devices will be removed and disposed of in a manner that prevents erosion and transport to a wetland or watercourse.
6. Monitoring of revegetated areas will be conducted as follows by a qualified third party inspector. These areas will be monitored the first three growing seasons following establishment. Monitoring reports will be submitted to the Connecticut Siting Council no later than December 15 of each year. The reports will provide details on the three success standards described below. In the event that remediation measures are required, recommendations will be provided. The first year of monitoring will be the first year that the site has been through a full growing season after completion of construction and planting. For monitoring purposes, a growing season starts no later than May 31.
7. Revegetated areas will be assessed using three success standards. Each standard is described below. Success Standard 1: At least 75% of the surface area of these areas should be reestablished with indigenous species within three growing seasons. Success Standard 2: Vegetation should be checked to ensure that no invasive species colonize in these areas. Success Standard 3: Slopes within and adjacent to the revegetated areas are stabilized.
8. In the event that remediation measures are recommended, BNE Energy, Inc. will initiate these measures with the assistance of the qualified third party inspector.
9. If necessary to control invasive species, herbicide applications will be conducted by a state–licensed individual. If applications are required in proximity to site wetlands, the herbicide RODEO® [glyphosate (53.8% active ingredient)] shall be utilized as it is the only herbicide approved by CTDEP for application in aquatic environments.
10. Fertilizers will not be used to promote growth within these areas. The proposed seed mixture contains a variety of native herbaceous species adept at colonizing recently disturbed areas.

Planting Schedule 1: Upland Restoration Areas

Disturbed areas will be planted with New England Conservation/Wildlife Mix (or equivalent) at 1750 sq.ft./lb. or as recommended by manufacturer. This mix includes the following species: big bluestem (Andropogon gerardii), fringed brome grass (Bromus ciliates), creeping red fescue (Festuca rubra), Canada wild rye (Elymus Canadensis), Virginia wild rye (Elymus virginicus), switchgrass (Panicum virgatum), deer tongue grass (Panicum clandestinum), little bluestem (Schizachyrium scoparium), Indian grass (Sorghastrum nutans), common milkweed (Asclepias syriaca), New England aster (Aster novae–angliae), partridge pea (Chamaecrista fasciculate), showy tick–trefoil (Desmodium Canadense), grass leaved goldenrod (Euthamia graminifolia), gray goldenrod (Solidago nemoralis).

Wind Colebrook South – Third Party Environmental Inspections

1. A qualified third party environmental inspector shall inspect the installation of erosion and sedimentation controls prior to the start of construction activities. A pre–construction meeting shall be held with the third party environmental inspector and general contractor prior to the start of construction.
2. The qualified third party environmental inspector will monitor erosion and sedimentation controls throughout the construction period to ensure that controls are properly maintained and any recommendations to remediate failing controls or removal accumulated sediment are implemented by the contractor in a timely fashion.
3. The qualified third party environmental inspector shall monitor erosion and sedimentation controls on a weekly basis or within 24 hours of a rainfall event of 0.5 inches or greater.
4. Erosion and sedimentation control monitoring reports will be prepared by the third party environmental inspector on a bi–weekly basis and submitted to the Connecticut Siting Council.
5. The on–site erosion and sediment controls shall be montiored by a qualified third party environmental inspector to ensure establishment of appropriate environmental safeguards protective of amphibian and reptile species.

EARTHWORK QUANTITY ESTIMATE

TOTAL CUT – 14,950 C.Y.

TOTAL FILL – 23,250 C.Y.

COMMON CLEAN FILL REQUIRED (TOPSOIL AND SUBSOIL) – 14,450 C.Y.

RIPRAP TO BE PROCESSED FROM ON–SITE MATERIAL – 500 C.Y.

PROCESS GRAVEL, ASPHALT AND STONE TO BE IMPORTED – 8,300 C.Y.

NOTE: ALL EXCAVATED (CUT) MATERIAL TO BE REUSED ON–SITE.

OVERALL SITE DISTURBANCE ASSOCIATED WITH THE PROPOSED IMPROVEMENTS – 16.07 ACRES

NO.	REVISION	DATE
1	CLEARING AREA REVISED	23 JUL 12

Previous Editions Obsolete

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

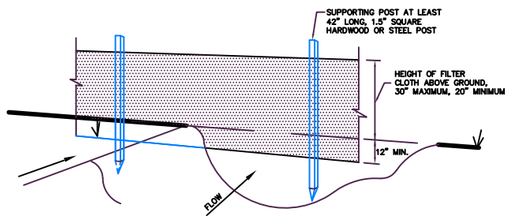
EROSION CONTROL NARRATIVE AND CONSTRUCTION SEQUENCE

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

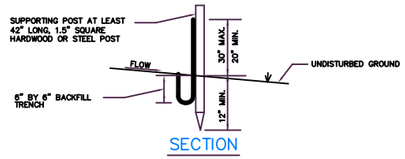
CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: N.T.S
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.:

C600



PERSPECTIVE VIEW



SECTION

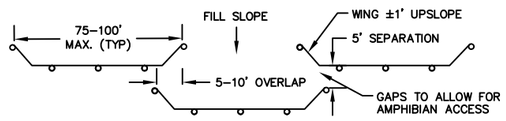
CONSTRUCTION NOTES FOR SILT FENCE

1. EXCAVATE A TRENCH A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE ON THE UP SIDE OF THE FENCE LOCATION.
2. DRIVE SUPPORT POSTS ON THE DOWN SLOPE SIDE OF THE TRENCH TO A DEPTH OF AT LEAST 12 INCHES INTO ORIGINAL GROUND.
3. STAPLE OR SECURE THE GEOTEXTILE TO THE SUPPORT POSTS PER MANUFACTURER'S INSTRUCTIONS SUCH THAT AT LEAST 6 INCHES OF GEOTEXTILE LIES WITHIN THE TRENCH.
4. BACKFILL THE TRENCH WITH TAMPED SOIL OR AGGREGATE OVER THE GEOTEXTILE.

POSTS: 1.5" SQUARE HARDWOOD OR STEEL

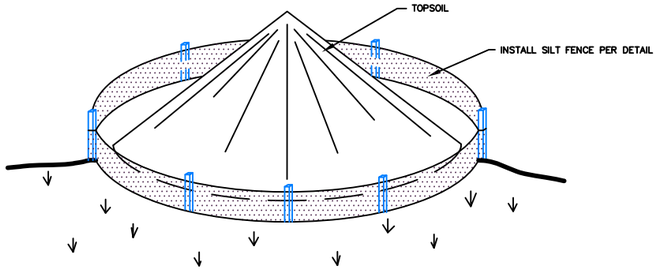
FILTER CLOTH: MIRAFI 100X, ENVIROFENCE OR APPROVED EQUAL

SILT FENCE DETAIL



SYNCOPATED SILT FENCE INSTALLATION

PLAN VIEW
FOR AREAS WITHIN 750' OF A VERNAL POOL

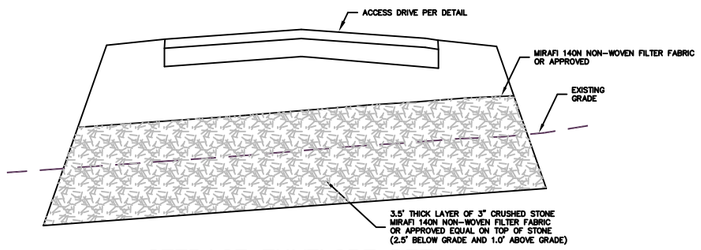


STOCKPILE MANAGEMENT PER 2002 CT GUIDELINES FOR E & S CONTROL:

1. LOCATE STOCKPILE SO THAT NATURAL DRAINAGE IS NOT OBSTRUCTED.
2. DIVERT RUNOFF WATER AWAY FROM OR AROUND THE STOCKPILE.
3. INSTALL A GEOTEXTILE SILT FENCE OR HAY BALE BARRIER AROUND THE STOCKPILE AREA APPROXIMATELY 10 FEET FROM PROPOSED TOE OF THE SLOPE.
4. THE SIDE SLOPES OF STOCKPILED MATERIAL SHOULD BE NO STEEPER THAN 2:1.
5. STOCKPILES THAT ARE NOT TO BE USED WITHIN 30 DAYS NEED TO BE SEEDED AND MULCHED IMMEDIATELY AFTER FORMATION OF THE STOCKPILE.
6. AFTER STOCKPILE HAS BEEN REMOVED, THE SITE SHOULD BE GRADED AND PERMANENTLY STABILIZED.

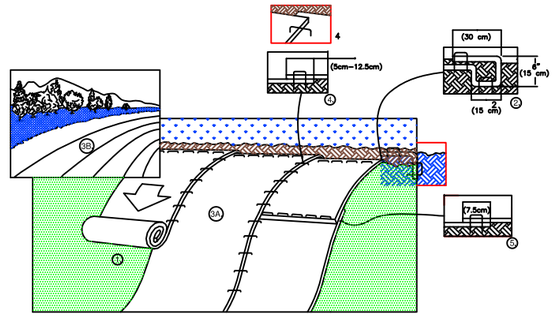
TEMPORARY TOPSOIL STOCKPILE

N.T.S.



SEEPAGE ENVELOPE DETAIL

N.T.S.



1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF 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" (15cm) DEEP X 6" (15cm) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30cm) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30cm) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30cm) 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" (5cm-12.5cm) 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" (7.6cm) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30cm) APART ACROSS ENTIRE BLANKET WIDTH.

NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15cm) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

EROSION CONTROL BLANKETS

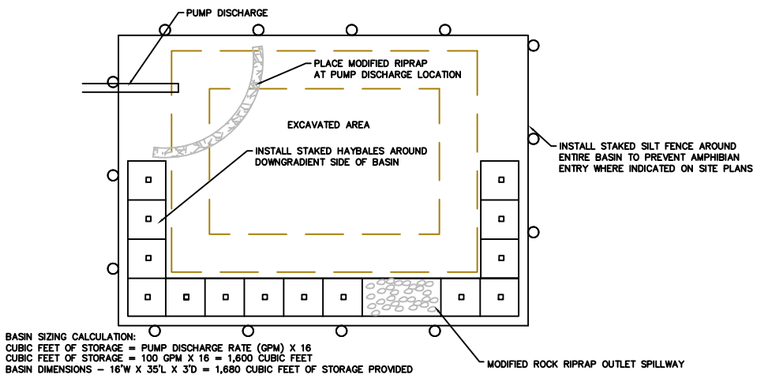
S150BN: Material:
100% Straw fiber matrix sewn between two bio-degradable nets.
Net: Temporary lightweight bio-degradable (Both sides)

CRITICAL POINTS
A. OVERLAPS AND SEAMS
B. PROJECTED WATER LINE
C. CHANNEL BOTTOM/SIDE SLOPE VERTICES

NOTE
* HORIZONTAL STAPLE SPACING SHOULD BE ALTERED IF NECESSARY TO ALLOW STAPLES TO SECURE THE CRITICAL POINTS ALONG THE CHANNEL SURFACE.
** IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS IN EXCESS OF 6" (15 CM) MAY BE NECESSARY TO PROPERLY ANCHOR THE BLANKETS.

EROSION CONTROL BLANKET

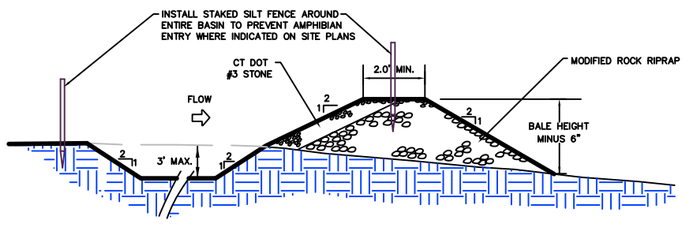
N.T.S.



BASIN SIZING CALCULATION:
CUBIC FEET OF STORAGE = PUMP DISCHARGE RATE (GPM) X 16
CUBIC FEET OF STORAGE = 100 GPM X 16 = 1,600 CUBIC FEET
BASIN DIMENSIONS – 16'W X 35'L X 3'D = 1,680 CUBIC FEET OF STORAGE PROVIDED

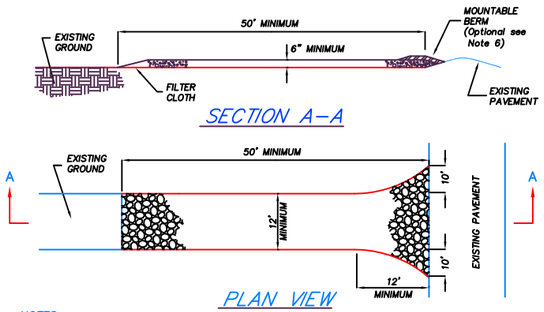
DEWATERING SETTLING BASIN

N.T.S



DEWATERING SETTLING BASIN OUTLET

N.T.S



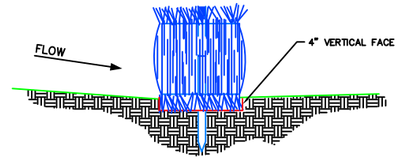
SECTION A–A

PLAN VIEW

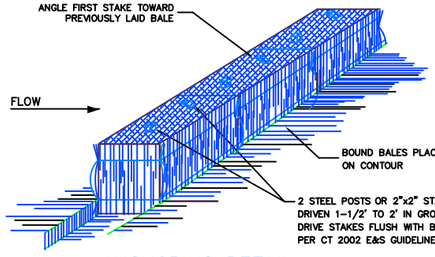
NOTES:

1. *STONE SIZE – USE 1" – 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.*
2. *LENGTH – AS REQUIRED, BUT NOT LESS THAN 50 FEET.*
3. *THICKNESS – NOT LESS THAN SIX (6) INCHES.*
4. *WIDTH – 12 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. 24 FOOT MINIMUM IF SINGLE ENTRANCE TO SITE.*
5. *FILTER CLOTH – TO BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.*
6. *SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS 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 OF FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURE USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DRIPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.*
8. *WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.*
9. *PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.*

STABILIZED CONSTRUCTION ENTRANCE



BEDDING DETAIL



ANCHORING DETAIL

NOTES:

1. BALES SHALL BE EITHER STRAW OR HAY.
2. BALES SHALL BE PLACED AT THE TOE OF SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
3. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF 4 INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
4. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN 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 BALE.
5. INSPECTION SHALL BE FREQUENT, AND REPAIR AND/OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED TO MAINTAIN EFFECTIVENESS OF INSTALLATION.
6. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

STAKED HAY BALE BARRIER

N.T.S.

NO.	REVISION	DATE
1	REVISED PER SITING COUNCIL	24 OCT 11

Previous Editions Obsolete

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

DETAILS

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
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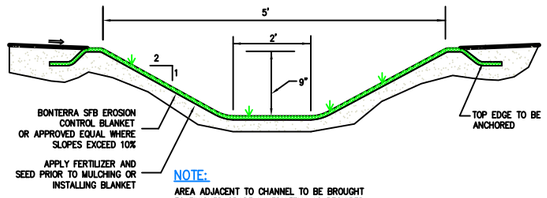
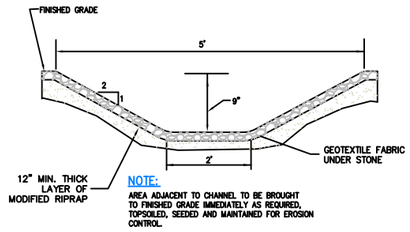
CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: N.T.S.
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C601



TEMPORARY DIVERSION SWALE

N.T.S.



RIPRAP DIVERSION/CONVEYANCE SWALE

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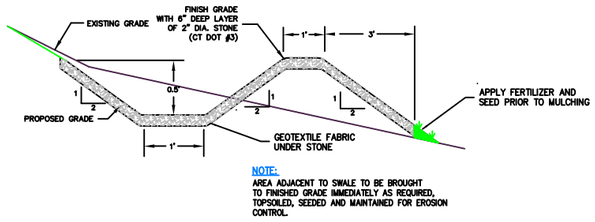

LEVEL SPREADER DETAIL

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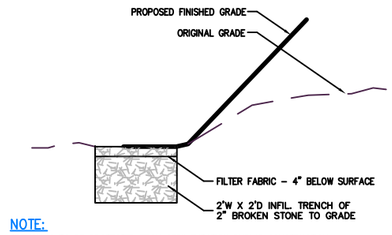
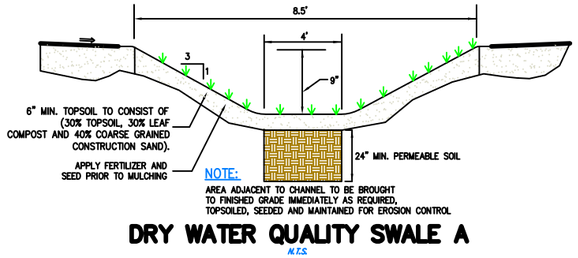


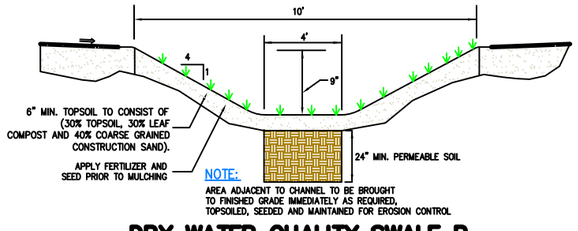
STONE INFILTRATION TRENCH

(N.T.S.)



DRY WATER QUALITY SWALE A

N.T.S.



DRY WATER QUALITY SWALE B

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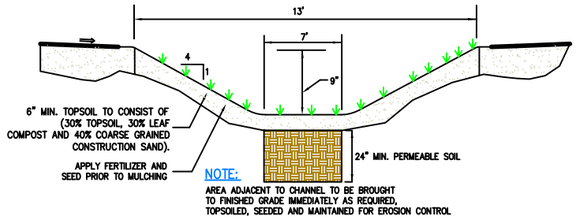

DRY WATER QUALITY SWALE C

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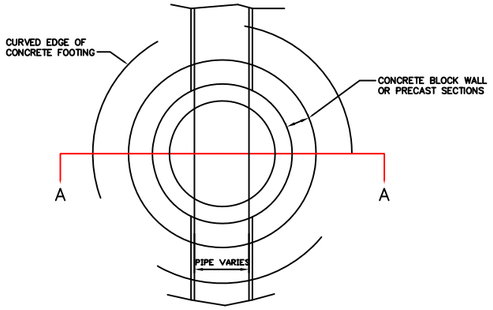
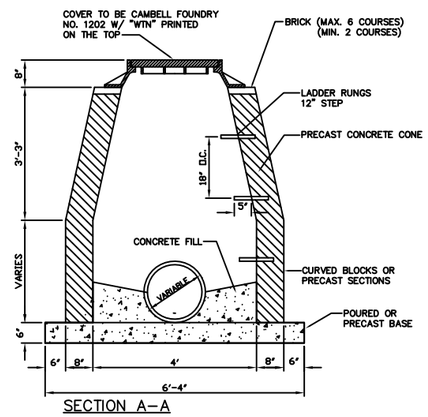
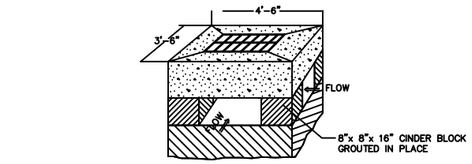




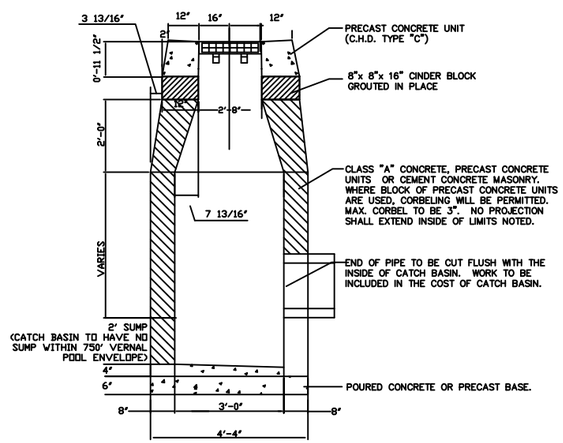
SECTION A–A

DRAINAGE MANHOLE

without sump

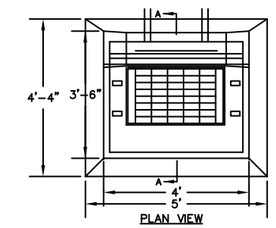


PLAN VIEW

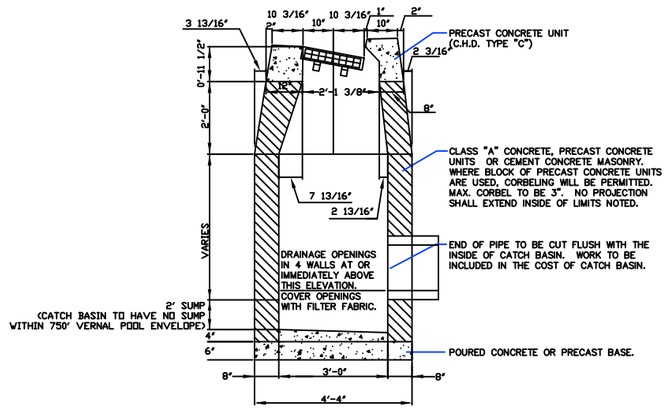


SECTION A–A

STANDARD TYPE "CL" CATCH BASIN



PLAN VIEW



SECTION A–A

STANDARD TYPE "C" CATCH BASIN

NO.	REVISION	DATE
	Previous Editions Obsolete	

BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

DETAILS

WIND COLEBROOK SOUTH
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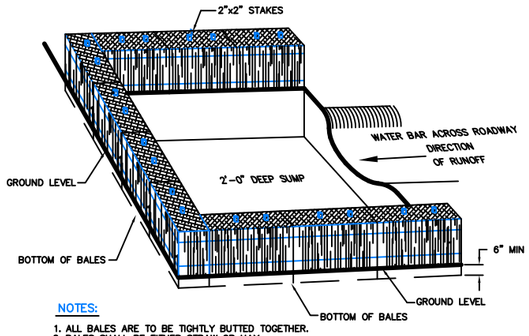
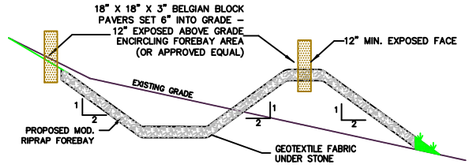
DRAWN:	BB
APPROVED:	CJ
SCALE:	N.T.S.
DATE:	26 AUG 11
PROJ. NO.:	3092
CADD FILE NAME:	3092
DRAWING NO.:	C602



NOTES:
1. ALL BALES ARE TO BE TIGHTLY BUTTED TOGETHER.
2. BALES SHALL BE EITHER STRAW OR HAY.
3. PROVIDE FREQUENT INSPECTION AND MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AND REPLACE CLOGGED BALES TO RESTORE EFFECTIVENESS OF INSTALLATION.

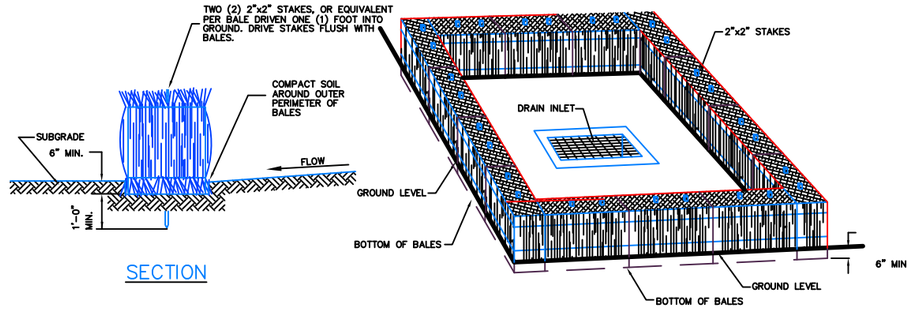
WATER BAR WITH HAY BALE TRAP



NOTE:

AMPHIBIAN BARRIER DETAIL

USE WITHIN 750' OF VERNAL POOL AREAS



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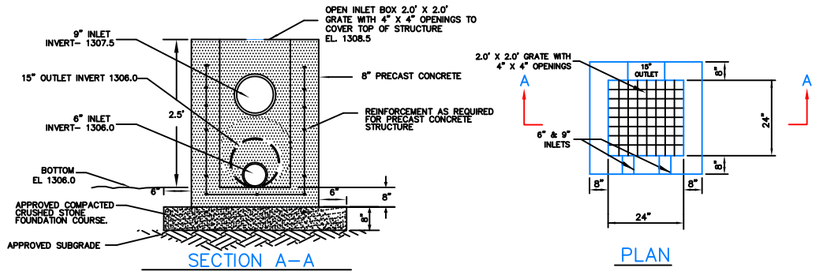
BALED FILTER

BIORETENTION AREA SOIL LAYERING DETAIL

N.T.S.

NOTES:
–EXCAVATE RAIN GARDEN AREAS TO PROPOSED INVERT DEPTHS AND SCARIFY EXISTING SOIL SURFACES, TAKING CARE NOT TO COMPACT THE IN–SITU MATERIALS
–PLACE TOPSOIL IN 8"–12" LIFTS, DO NOT COMPACT
–LIFTS MAY BE LIGHTLY WATERED TO ENCOURAGE NATURAL COMPACTION
–OVERFILL OF TOPSOIL IS REQUIRED TO ACCOMMODATE NATURAL SETTLEMENT TO PROPER GRADE



STORMWATER POND #1 OUTLET CONTROL STRUCTURE

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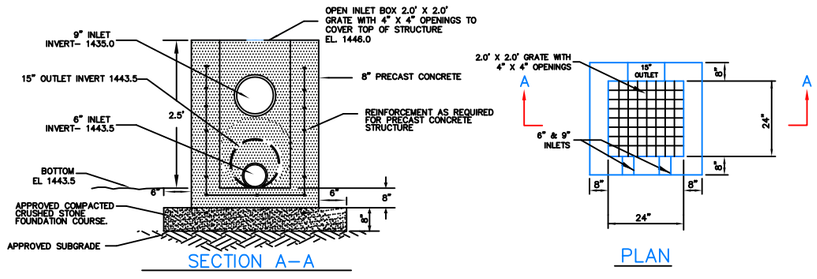

DETENTION/INFILTRATION BASIN #2 OUTLET CONTROL STRUCTURE

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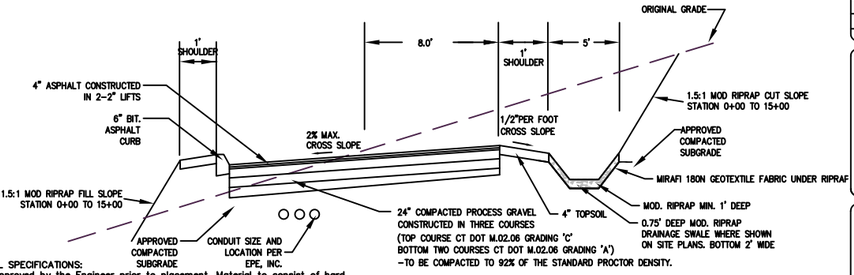


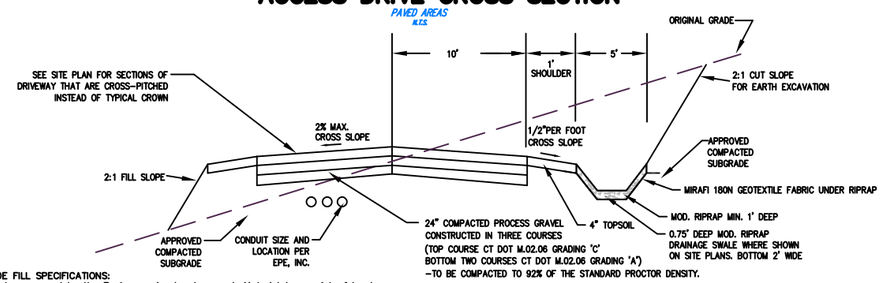
SUBGRADE FILL SPECIFICATIONS:
1. Fill to be approved by the Engineer prior to placement. Material to consist of hard and durable particles or fragments and shall be free of frozen material, sod, brush, roots, stumps, organic matter and other objectionable materials.

2. Subbase fill material shall be compacted to 90% of the standard proctor density until the required elevation is obtained.

3. Subbase and fill specifications to be confirmed and modified as necessary after site analysis by geotechnical engineer. Access drive design must be able to accommodate all proposed construction vehicles including crawler crane.

ACCESS DRIVE CROSS SECTION

PAVED AREAS
N.T.S.



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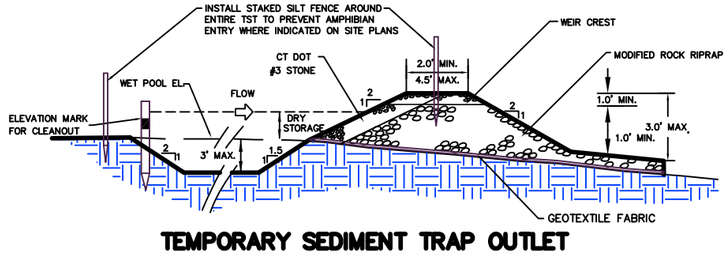
ACCESS DRIVE CROSS SECTION

UNPAVED AREAS
N.T.S.



TEMPORARY SEDIMENT TRAP OUTLET

N.T.S

NO.	REVISION	DATE
1	REVISED PER ENV. CONSULTANT	28 AUG 12
	Previous Editions Obsolete	

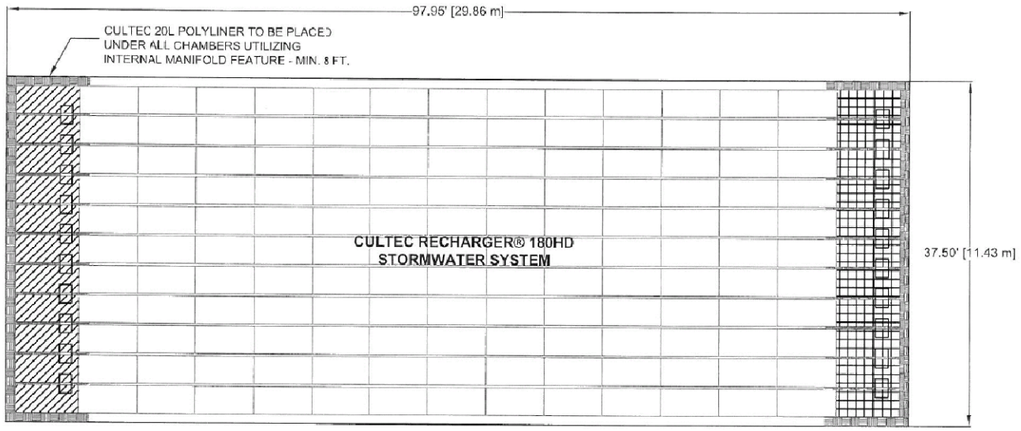
BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

DETAILS

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: N,T,S,
DATE: 26 AUG 11
PROJ. NO.: 3092
CADD FILE NAME: 3092
DRAWING NO.: C603

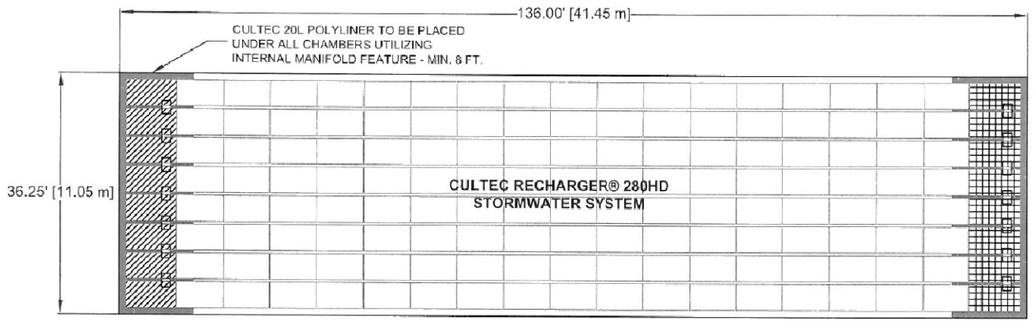


MATERIALS LIST		
RECHARGER 180SHD STARTER	11	PIECES
RECHARGER 180IHD INTERMEDIATE	142	PIECES
RECHARGER 180EHD END	11	PIECES
HVLV FC-24 FEED CONNECTORS	20	PIECES
CULTEC No. 410 FILTER FABRIC 7.5' x 300'	4	ROLLS
CULTEC No. 20L POLYETHYLENE LINER	150	LINEAL FEET
1 1/2 - 2 INCH DIAMETER BROKEN STONE	238	CUBIC YARDS
VOLUME OF EXCAVATION	460	CUBIC YARDS

CULTEC RECHARGER® 180HD
LEGEND

- RECHARGER 180SHD STARTER
- RECHARGER 180IHD INTERMEDIATE
- RECHARGER 180EHD END
- HVLV FC-24 FEED CONNECTORS
- CULTEC NO. 20L POLYETHYLENE LINER

CULTEC STORMWATER MANAGEMENT SYSTEM
STORAGE REQUIRED: 6,000 c.f.
STORAGE PROVIDED: 6,164 c.f.
**INSTALLED USING TYPICAL STONE REQUIREMENTS OF 6 INCHES ABOVE AND BELOW CHAMBERS AND A 1 FT. BORDER SURROUNDING*



MATERIALS LIST		
RECHARGER 280SHD STARTER	8	PIECES
RECHARGER 280IHD INTERMEDIATE	126	PIECES
RECHARGER 280EHD END	8	PIECES
HVLV FC-24 FEED CONNECTORS	14	PIECES
CULTEC No. 410 FILTER FABRIC 7.5' x 300'	5	ROLLS
CULTEC No. 20L POLYETHYLENE LINER	145	LINEAL FEET
1 1/2 - 2 INCH DIAMETER BROKEN STONE	244	CUBIC YARDS
VOLUME OF EXCAVATION	708	CUBIC YARDS

CULTEC RECHARGER® 280HD
LEGEND

- RECHARGER 280SHD STARTER
- RECHARGER 280IHD INTERMEDIATE
- RECHARGER 280EHD END
- HVLV FC-24 FEED CONNECTORS
- CULTEC NO. 20L POLYETHYLENE LINER

CULTEC STORMWATER MANAGEMENT SYSTEM
STORAGE REQUIRED: 10,000 c.f.
STORAGE PROVIDED: 10,240 c.f.
**INSTALLED USING TYPICAL STONE REQUIREMENTS OF 6 INCHES ABOVE AND BELOW CHAMBERS AND A 1 FT. BORDER SURROUNDING*

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29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

DETAILS
CULTEC DETENTION BEDS

WIND COLEBROOK SOUTH
FLAGG HILL ROAD
COLEBROOK CONNECTICUT

CIVIL C1
CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN: BB APPROVED: CJ
SCALE: N.T.S.
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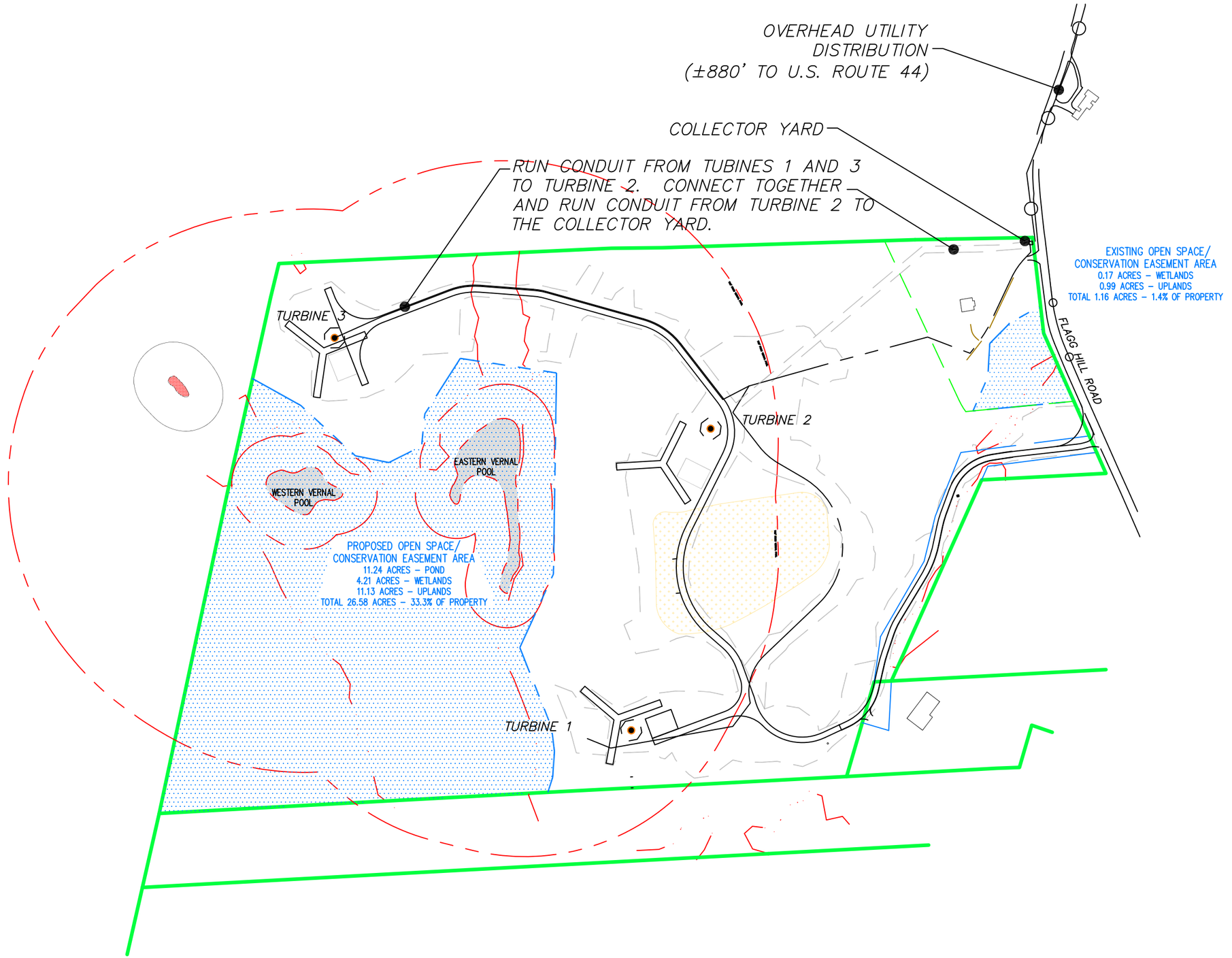
CADD FILE NAME: 3092
DRAWING NO.:
C604



NO.	REVISION	DATE
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BNE ENERGY, INC.
29 SOUTH MAIN STREET
TOWN CENTER SUITE 200
WEST HARTFORD, CT 06107

ELECTRICAL SITE PLAN

WIND COLEBROOK SOUTH

FLAGG HILL ROAD

COLEBROOK CONNECTICUT

CIVIL C1

CORNERSTONE PROFESSIONAL PARK, SUITE D-101
43 SHERMAN HILL ROAD
WOODBURY (203) 266-0778 CONNECTICUT

DRAWN:	BB
APPROVED:	CJ
SCALE:	1" = 300'
DATE:	26 AUG 11
PROJ. NO.:	3092
CADD FILE NAME:	3092
DRAWING NO.:	E101