STRAFFORD
Regional Planning Commission

Regional Impact Committee
Strafford Regional Planning Commission Office
150 Wakefield Street, Suite 12
Conference Room 1A
Public Meeting

Thursday, April 10, 2025
2:00 PM

The Regional Impact Committee (RIC) of Strafford Regional Planning Commission has scheduled a public meeting regarding a Developments of Regional Impact (RSA 36:54-58) as declared by the Town of Farmington Planning Board on March 10, 2025. The meeting will be held at the SRPC Office located at 150 Wakefield Street, Suite 12, Conference Room 1A, in Rochester, NH

1. **Welcome/Introductions**

2. **Action Items**

   a. Review and Approve February 8, 2024 Meeting Minutes
   b. Appointment of Regional Impact Committee chair for FY2025

3. **Regional Impact Study:** Case SRPC/RIC 2025-01; Site Plan review for a large solar project at Chestnut Hill Road and Dodge Cross Road, Farmington, New Hampshire (Map R17, Lots 33, 55, 57, 68 and Map R18, Lots 3, 5, 10)

   a. Project Review and Completion of Development of Regional Impact (DRI) Checklist

   b. Citizen's Forum**:** Citizens of the region are invited to speak on the subject matter of the meeting. *Statements shall be limited to three (3) minutes. **

   c. Acceptance of Technical Review

4. **Meeting Adjournment**

Anyone interested in reviewing documents submitted to the RIC should send an email to lmurphy@strafford.org or review documents at the Town of Farmington, NH Planning Department.

Reasonable accommodations for people with disabilities who would like to attend the meeting are available upon request. Include a description of the accommodation you will need including as much detail as you can. Also include a way we can contact you if we need more information. Make your request as early as possible; please allow at least 1day advance notice. Last-minute requests will be accepted but may be impossible to fill. Send an e-mail to srpc@strafford.org or call (603) 994-3500.

*In the event that interested parties cannot attend the meeting, comments may be sent to Senior Regional Planner Lisa Murphy at lmurphy@Strafford.org, or via mail. All comments received by Wednesday, April 9 at 5 p.m. will be forwarded to RIC members for inclusion with the DRAFT technical review to be presented at the meeting. Comments received after this time will be made available to RIC members at the beginning of the meeting on April 10, 2025.

Rules of Procedure

Meeting Etiquette

Be present at the scheduled start of the meeting.

Be respectful of the views of others.

Ensure that only one person talks at a time. Raising your hand to be recognized by the chair or facilitator is good practice.

Do not interrupt others or start talking before someone finishes.

Do not engage in cross talk.

Avoid individual discussions in small groups during the meeting. When one person speaks, others should listen.

Active participation is encouraged from all members.

When speaking, participants should adhere to topics of discussion directly related to agenda items.

When speaking, individuals should be brief and concise when speaking.

The Strafford Regional Planning Commission & Metropolitan Planning Organization holds both public meetings and public hearings.

For public meetings, guests are welcome to observe but should follow proper meeting etiquette allowing the meeting to proceed uninterrupted. Members of the public who wish to be involved and heard should use venues such as Citizen Forum, Public Hearings, Public Comment Periods, outreach events, seminars, workshops, listening sessions, etc.

STRAFFORD
Regional Planning Commission

Regional Impact Committee
Strafford Regional Planning Commission Office
150 Wakefield Street, Suite 12
Conference Room 1A
Public Meeting Minutes
DRAFT
Thursday, February 8, 2024
3:00 PM

1. Welcome/Introductions

Chair Mark Richardson opened the meeting and asked for introductions.

Regional Impact Committee members present: Katrin Kasper, Don Hamann and Mark Richardson.

SRPC staff present: Senior Regional Planner Lisa Murphy, Regional Planner mark Davie

2. Action Items

a. Review and approve June 7, 2023 meeting minutes

D. Hamann motioned to approve the June 7, 2023 minutes as presented, seconded by K. Kasper. 3-0 vote in favor, motion passed.

b. Review of Appointment of alternates, if needed

There were no alternate appointments.

c. Appointment of Regional Impact Committee Chair for FY24

3. Business

a. Discuss RIC Bylaws

The committee discussed the proposed changes to the RIC By-laws and were amenable to the changes as proposed. D. Hamann motioned to approve the proposed changes seconded by K. Kasper. 3-0 vote in favor, motion passed.

4. Regional Impact Study:

Case SRPC/RIC 2024-01; Joseph Falzone, subdivision review for a 16–lot Open Space Subdivision (Tax Map 69 Lots 17 and 19) located off Raymond Road in Nottingham, NH.

a. Project Review and Completion of Development of Regional Impact (DRI) Checklist

The committee discussed the traffic study completed by VIA and agreed that the planning board consider a condition that acceptable construction aprons be installed at the ingress – egress points and that any dirt debris be cleared daily to help prevent potential hazards for bike traffic.

The committee discussed the potential impact on the natural environment and agreed a plan for protection should be required.

For public health and safety, the committee agreed that the town should ensure that the subdivision is not impacted by the updates to base flood elevation in the most recent FEMA maps.

For facilities, the committee suggests a study of the emergency services' capacity and correct any deficiencies that would require surrounding towns to be called in more often.

Visual Ipact: This project would not affect the regional impact.

For housing and population growth, an increase in housing the increase in housing units contributes to the housing projection need as estimated in the 2023 Regional Housing Needs Assessment made by SRPC.

b. Citizen's Forum: Citizens of the region are invited to speak on the subject matter of the meeting.

There were no citizens present.

c. Acceptance of Technical Review

D. Hamann motioned to accept the technical Review seconded by K. Kasper. All in favor

A letter of opinions and recommendations by the committee will be sent to the Nottingham Planning Board.

5. Regional Impact Study:

Case SRPC/RIC 2024-02; Jones & Beach Engineers, Inc., Site Plan Review for the development of 148 duplexes (296 housing units) at 65 & 101 Batchelder Road, Raymond, NH.

a. Project Review and Completion of Development of Regional Impact (DRI) Checklist

Transportation: The committee discussed the traffic study issued by VAI and options for traffic control devices. The committee agreed that approval of the proposal includes a condition for construction of aprons at intersections with public roads and the roads should be cleared daily of debris caused by construction.

Ecology and Resources: The committee discussed the impact on wetlands agreed an environmental assessment should be done to identify environmentally sensitive areas and species of concern and a new review by the NH Natural Heritage Bureau

Public Health and Safety: The committee discussed potential threats to the surface and groundwater and agreed that environmental assessment should be conducted.

Facilities: The committee discussed potential impact on local first responders and agreed that they should se if there are any deficiencies to avoid the need for aid from surrounding towns.

Housing: The committee discussed the current housing shortage and agreed this proposal would fill some of the housing needs.

b. Citizen's Forum: Citizens of the region are invited to speak on the subject matter of the meeting.

There were no citizens present at the meeting.

c. Acceptance of Technical Review

6. Meeting Adjournment

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

GENERAL INFORMATION

OWNERS

MAP 17 LOT 33
GREATWOODS, LLC
58 PRISCILLA LANE
AUBURN, NH 03032

R17 LOT 55
FRANCIS J. CASSIDY
C/O THERESA A. CASSIDY
216 DOVER POINT ROAD
DOVER, NH 03820

MAP R17 LOT 57
FRANCIS J. CASSIDY
C/O THERESA A. CASSIDY
216 DOVER POINT ROAD
DOVER, NH 03820

MAP 17 LOT 68
AARON L. ALLEN
180 DODGE CROSS RD
FARMINGTON, NH 03835

MAP 18 LOT 3
RAYMOND H. JONES
JESSICA M. WEBSTER-JONES
66 MOUNT DELIGHT ROAD
DEERFIELD, NH 03037

MAP 18 LOT 5
JOSEPH R. & JANET E. GRAY
36 BROWN ROAD
FARMINGTON, NH 03835

MAP 18 LOT 10
JONATHAN D. & COURTNEY L. CARDINAL, TRUSTEES
JONATHAN D. & COURTNEY L. CARDINAL
REVOCABLE LIVING TRUST
85 GREAT PINE CIRCLE
FARMINGTON, NH 03835

APPLICANT

NUTES SOLAR LLC
C/O DALE KNAPP
424 FORE STREET, SUITE 2-A
PORTLAND ME 04101

RESOURCE LIST

PLANNING & COMMUNITY DEVELOPMENT
356 MAIN STREET
FARMINGTON, NH 03835
603-755-2774
KYLE PIMENTAL, DIR. OF PLANNING & COMMUNITY DEV.

CONSERVATION COMMISSION
356 MAIN STREET
FARMINGTON, NH 03835
603-755-2774
AMBER HALL, CHAIRMAN

BUILDING DEPARTMENT
356 MAIN STREET
FARMINGTON, NH 03835
603-755-2774
MARK EKBERG, BUILDING INSPECTOR / CODE ENFORCEMENT OFFICER

POLICE DEPARTMENT
160 MAIN STREET
FARMINGTON, NH 03835
603-755-2731
CHIEF ORLANDO, POLICE CHIEF

FIRE DEPARTMENT
160 MAIN STREET
FARMINGTON, NH 03835
603-755-2131
FRED MITCHELL, FIRE CHIEF

NHDES AOT
29 HAZEN DRIVE
PO BOX 95
CONCORD, NH 03302-0095
603-271-3568
MICHAEL J. SCHLOSSER, P.E., PERMITTING SECTION SUPERVISOR

NHDES WETLANDS
29 HAZEN DRIVE
PO BOX 95
CONCORD, NH 03302-0095
603-271-2147

ASSOCIATED PROFESSIONALS

ENGINEERING & SURVEY SERVICES
TFMORAN, INC.
48 CONSTITUTION DRIVE
BEDFORD, NH 03110
603-472-4488
NICHOLAS GOLON, PE,
CIVIL DEPARTMENT MANAGER, PRINCIPAL
MICHAEL DAHLBERG, LLS, RPLS, PLS
SURVEY DEPARTMENT MANAGER, ASSISTANT VP

ENVIRONMENTAL SERVICES
TFMORAN, INC.
170 COMMERCE WAY, SUITE 1012
PORTSMOUTH, NH 03801
603-472-4488
JASON AUBE, CWS #313

SOIL SCIENTIST
BAG LAND CONSULTANTS
43 ROCKINGHAM STREET
CONCORD, NH 03301
603-228-5775
BRUCE A. GILDAY, CSS #012

SOLAR ARRAY DESIGN
RLC ENGINEERING
176 GANNETT DRIVE
SOUTH PORTLAND, ME 04106
207-621-1077
BRADY THERRIEN, ELECTRICAL ENGINEER

ABUTTERS

R33-003-000
PAULA A KENYON
509 CHESTNUT HILL RD
FARMINGTON, NH 03835

R18-004-004
BRIGITTE A & MARK A GARBER
39 BROWN RD
FARMINGTON, NH 03835

R17-013-000
STEVEN H & SANDRA K BROWN
80 BRANSON RD
FARMINGTON, NH 03835

R18-001-000
JAMES WALKER
PO BOX 174
LEBANON, ME 04027

R18-004-005
BRANDON M TUFTS & MEGAN ALEXIS HEON
38 BROWN RD
FARMINGTON, NH 03835

R17-014-000
GARY M & JOLENE C CLARK
79 BRANSON RD
FARMINGTON, NH 03835

R18-002-000
JOSEPH & JUDITH COSTANZO
491 CHESTNUT HILL RD
FARMINGTON, NH 03835

R18-010-002
DAVID L & SHARON BROCK
141 GREAT PINE CIRCLE
FARMINGTON, NH 03835

R17-032-000
KRISTAFER D & ASHLEY M CAMIRE
75 TALL PINE RD
FARMINGTON, NH 03835

R32-005-000
KRIS L. & NATHAN M. ADAMS
508 CHESTNUT HILL RD
FARMINGTON, NH 03835

R18-010-003
ROBERT CHENY, JR & ANGELA CHENEY
131 GREAT PINE CIRCLE
FARMINGTON, NH 03835

R17-034-000
GEORGE DROST JR & GRETCHEN ROUSSIN
73 TALL PINE RD
FARMINGTON, NH 03835

R32-004-000
NORMAN RUSSELL (TRUSTEE) RUSSELL LIVING TRUST
506 CHESTNUT HILL ROAD
FARMINGTON, NH 03835

R18-010-004
RONALD O & KRISTIE V HOLTZ
117 GREAT PINE CIRCLE
FARMINGTON, NH 03835

R17-043-000
JONATHAN R & JAIDEN K GLIDDEN
52 OAKWOOD RD
FARMINGTON, NH 03835

R32-003-000
LAWRENCE K & DONNA J GORNEY
500 CHESTNUT HILL RD
FARMINGTON, NH 03835

R18-010-005
GLENN S & BREANNE B VARNEY
115 GREAT PINE CIRCLE
FARMINGTON, NH 03835

R17-044-000
RICHARD C & CHRISTINE HICKMAN
55 OAKWOOD RD
FARMINGTON, NH 03835

R32-002-000
CHRISTIAN R & MARIE E STICKLES
490 CHESTNUT HILL RD
FARMINGTON, NH 03835

R18-010-007
JOHNATHAN & COURTNEY CARDINAL REV LIV TR
85 GREAT PINE CIRCLE
FARMINGTON, NH 03835

R17-045-000
LORRAINE K DICKENSON-CARVER & THOMAS F CARVER
45 OAKWOOD RD
FARMINGTON, NH 03835

R32-001-000
SARAH E & JACOB J MACKENZIE
484 CHESTNUT HILL RD
FARMINGTON, NH 03835

R18-011-008
JOHNATHAN & COURTNEY CARDINAL REV LIV TR
85 GREAT PINE CIRCLE
FARMINGTON, NH 03835

R17-046-000
WILLIAM & NICHOLE KOSTER
39 OAKWOOD RD
FARMINGTON, NH 03835

R19-027-000
NORMA MORRISON
474 CHESTNUT HILL RD
FARMINGTON, NH 03835

R18-011-006
SEAN JORDAN & SANDRA ESTEVEZ
94 GREAT PINE CIRCLE
FARMINGTON, NH 03835

R17-047-000
JOSEPH A & PATRICIA A SZMYT
33 OAKWOOD RD
FARMINGTON, NH 03835

R17-048-000
AARON W & CATHERINE E ANDERSON
PO BOX 434
FARMINGTON, NH 03835

R17-056-001
JOHN E. MARANDA SR & LAURIE S. MARANDA
275 CHESTNUT HILL ROAD
FARMINGTON NH, 03835

R17-060-000
JANICE M DOUGHTY C/O CAROLYN PURCELL
12 WEDGEWOOD WAY, APT 1
PEABODY, MA 01960

R17-049-000
BENJAMIN JAMER
15 OAKWOOD RD
FARMINGTON, NH 03835

R17-056-002
DENNIS H FIELDS
277 CHESTNUT HILL RD
FARMINGTON, NH 03835

R17-061-000
BRIAN K HOWARD
37 LITTLE CITY RD
FARMINGTON, NH 03835

R17-054-000
MICHAEL P KEENAN
319 CHESTNUT HILL RD
FARMINGTON, NH 03835

R17-056-005
GEORGE SEAMAN & EMILY AMAZEEN
40 DODGE CROSS RD
FARMINGTON, NH 03835

R17-062-000
PATRICIA COLANTO
29 LITTLE CITY RD
FARMINGTON, NH 03835

R19-001-001
KEVIN F GRONDIN
PO BOX 2040
ROCHESTER, NH 03866

R17-056-006
CYNTHIA M & PAUL PRATO
42 DODGE CROSS RD
FARMINGTON, NH 03835

R17-063-000
IRENE H & ROBERT V DUPONT & LINDA J CARROLL
23 LITTLE CITY RD
FARMINGTON, NH 03835

R15-012-000
RICHARD D TOWNSEND JR
119 HALL RD
BARRINGTON, NH 03825

R17-056-009
JAMIE & KRISTAL CORRIVEAU
74 DODGE CROSS RD
FARMINGTON, NH 03835

R17-064-000
TANYA POZDZIAK & WILLIAM MACKINNON JR
PO BOX 303
UNION, NH 03887

R15-011-000
FRANK WILLARD
304 CHESTNUT HILL RD
FARMINGTON, NH 03835

R17-056-013
STEPHEN GALLANT & RACHELLE L. LAPORTE
88 DODGE CROSS RD
FARMINGTON, NH 03835

R17-065-00
JESSE B. MACINNIS
114 DODGE CROSS ROAD
FARMINGTON, NH 03835

R15-008-002
JUDSON J & PAULA J GOODWIN
PO BOX 17
GREENVILLE, ME 04441

R17-058-000
DONALD R. & DARLENE COUTURE-LAQUERRE
106 DODGE CROSS RD
FARMINGTON, NH 0383

5R17-068-001
AARON L ALLEN
180 DODGE CROSS RD
FARMINGTON, NH 03835

R15-008-001
EDWARD F SHAVE JR
292 CHESTNUT HILL RD
FARMINGTON, NH 03835

R17-058-001
14 LCR LLC
PO BOX 397
DOVER, NH 03821

R01-002-000
GEORGE H & JOSEPHINE SZIRBIK
PO BOX 206
MILTON MILLS, NH 03852

R15-008-000
THOMAS HUCKINS TRUST & MICHELLE HUCKINS TRUST
C/O THOMAS & MICHELLE HUCKINS TRUST
38 HUCKINS LN
FARMINGTON, NH 03835

R17-059-001
DEBBIE PRUE
24 LITTLE CITY RD
FARMINGTON, NH 03835

R17-067-001
ROBERT & DORIS MAE SEASTREAM
150 DODGE CROSS RD
FARMINGTON, NH 03835

R15-007-001
WILLIAM H & TRACI D CAMERON JR
270 CHESTNUT HILL RD
FARMINGTON, NH 03835

R17-059-000
CLEON F & IRENE E POWERS
34 LITTLE CITY RD
FARMINGTON, NH 03835

R17-067-002
MATTHEW & LACEY BEAL
156 DODGE CROSS RD
FARMINGTON, NH 03835

R17-067-000
SCOTT M & THERESE HEALEY
168 DODGE CROSS RD
FARMINGTON, NH 03835046-005
CRYSTAL, SCOTT & JUSTIN WEST
284 NUTES RD
MILTON, NH 03851

R16-004-001
RUSSELL LIVING TRUST NORMAN R. & MARGARET E. RUSSELL
183 FARMINGTON ROAD
ROCHESTER, NH 03867

046-004
KATHERINE L ROBICHEAU
282 NUTES RD
MILTON, NH 03851

R16-004-002
RUSSELL LIVING TRUST NORMAN R. & MARGARET E.RUSSELL
183 FARMINGTON ROAD
ROCHESTER, NH 03867

046-003
SANDRA J GALARNEAU
276 NUTES RD
MILTON, NH 03851

R16-005-000
TERRY L SKINNER
177 DODGE CROSS RD
FARMINGTON, NH 03835

046-001
DAVID WAYNE JACOBS
179 NUTES RD
MILTON, NH 03851

R33-002-000
STANLEY J & BOBBIE-JO GLIDDEN
19 GLIDDEN LN
FARMINGTON, NH 03835

049-1-1
CHRISTOPHER D & CARA L BAKER
37 CROSS RD
MILTON, NH 0385

1044-015
WILLIAM V & KATHLEEN E HINTON
156 NUTES RD
MILTON, NH 03851

R18-004-000
THE SVEND E. AND PAMELA J.
DUMONT REVOCABLE TRUST
86 BRIARCLIFF RD
GILFORD, NH 03249

048-001
AARON L & MARILYN W ALLEN
180 DODGE CROSS RD
FARMINGTON, NH 03835

044-014
SCOTT A & STAMATIA K MACDONALD
13 DUNDEE CIRCLE
HARWICH, MA 02645

046-7-A
JOHN MORTON
362 NUTES RD
MILTON, NH 03851

R18-001-000
THOMAS V. WALKER SR ESTATE
422 BECCARRIS DRIVE
ROLLINSFORD, NH 03869

46-6-3
SETH M. LYONS
344 NUTES ROAD
MILTON, NH 03851

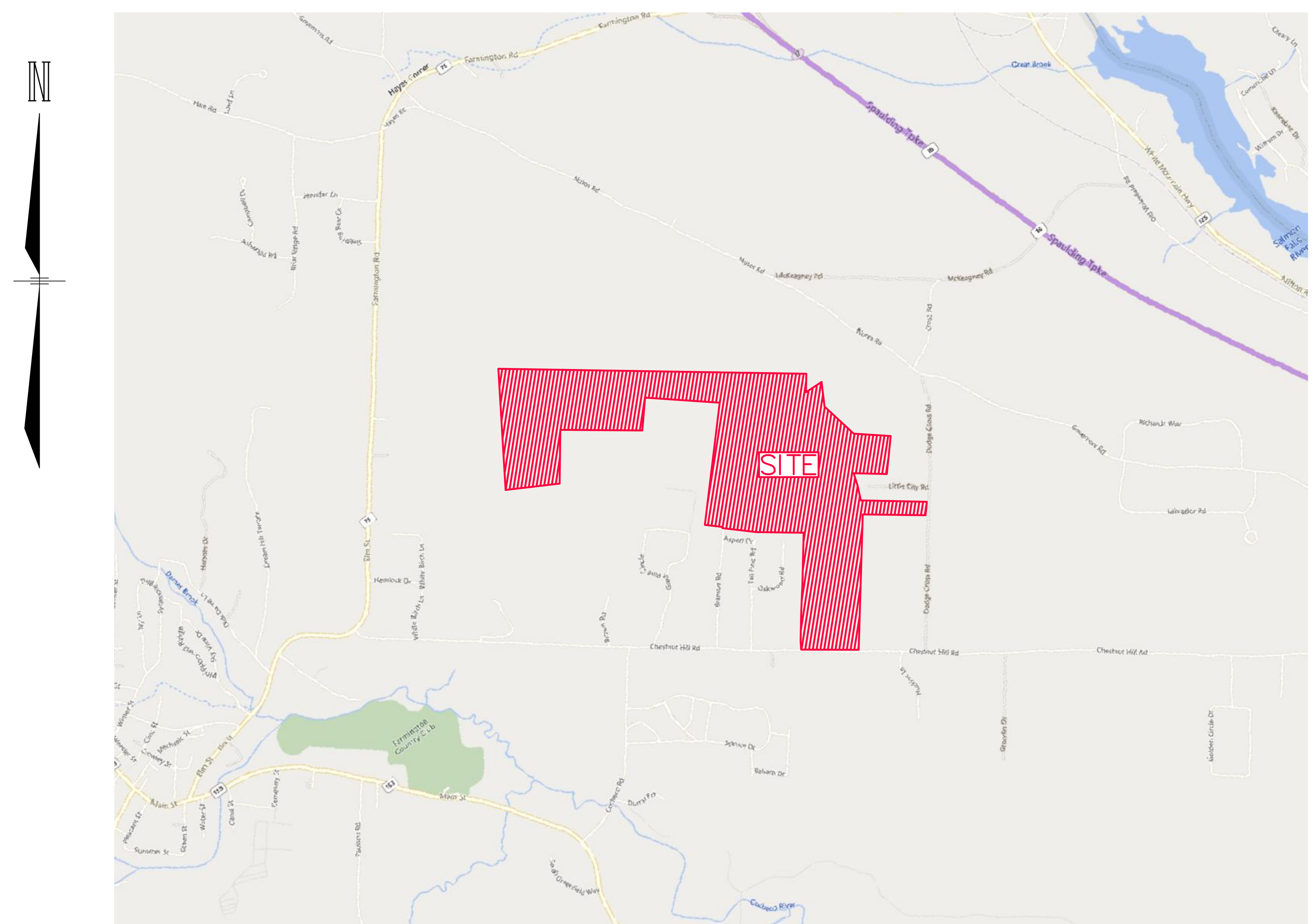
R18-012-000
JOHNATHAN & COURTNEY CARDINAL REV LIV TR
85 GREAT PINE CIRCLE
FARMINGTON, NH 03835

046-007
ZACKERY MICKELONIS
372 NUTES RD
MILTON, NH 03851

044-011
ROBERT & SALLY RILEY REVOC LIVING TRUST
96 NUTES RD
MILTON, NH 03851MAP

DIG SAFE
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

VICINITY PLAN



HORIZONTAL SCALE 1"=2,000'
2,000 1,000 0 2,000

INDEX OF SHEETS

PERMITS/APPROVALS

	NUMBER	APPROVED	EXPIRES
FARMINGTON PLANNING BOARD SITE PLAN APPROVAL			
FARMINGTON PLANNING BOARD SPECIAL USE PERMIT			
FARMINGTON ZONING BOARD VARIANCE GRANTED (TABLE 2.00 (C) - SECTION V - LETTER A)		05/18/2023	05/18/2025
NHDES AOT PERMIT			
NHDES WETLAND PERMIT			
USACOE NH GENERAL PERMIT			
US EPA CGP			

WAIVERS

THE FOLLOWING WAIVERS FROM THE TOWN OF FARMINGTON SITE REVIEW REGULATIONS ARE BEING REQUESTED FROM THE PLANNING BOARD:

1. ARTICLE III, SECTION 28.
   TO PERMIT OVERHEAD ELECTRIC SERVICES WHERE UNDERGROUND IS REQUIRED.
2. ARTICLE III, SECTION 29.A.5.
   TO NOT PROVIDE A 25' LANDSCAPE BUFFER BETWEEN LEASE PARCELS.

WILDLIFE PROTECTION NOTES (ENV-WQ 1504.17)

1. THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL AREAS AFFECTED BY HIS WORK AT ALL TIMES.
2. ALL OBSERVATIONS OF THREATENED OR ENDANGERED SPECIES SHALL BE REPORTED IMMEDIATELY TO THE NEW HAMPSHIRE FISH AND GAME DEPARTMENT NONGAME AND ENDANGERED WILDLIFE ENVIRONMENTAL REVIEW PROGRAM BY PHONE AT 603-271-2461 AND BY EMAIL AT NHFGREVIEW@WILDLIFE.NH.GOV. EMAIL SUBJECT LINE: NHB24-2001, LILAC SOLAR PROJECT, WILDLIFE SPECIES OBSERVATION.
3. PHOTOGRAPHS OF THE OBSERVED SPECIES AND NEARBY ELEMENTS OF HABITAT OR AREAS OF LAND DISTURBANCE SHALL BE PROVIDED TO NHF&G IN DIGITAL FORMAT FOR VERIFICATION AS FEASIBLE;
4. IN THE EVENT A THREATENED OR ENDANGERED SPECIES IS OBSERVED ON THE PROJECT SITE DURING THE TERM OF THE PERMIT, THE SPECIES SHALL NOT BE DISTURBED, HANDLED, OR HARMED IN ANY WAY PRIOR TO CONSULTATION WITH NHF&G AND IMPLEMENTATION OF CORRECTIVE ACTIONS RECOMMENDED BY NHF&G, IF ANY, TO ASSURE THE PROJECT DOES NOT APPRECIABLY JEOPARDIZE THE CONTINUED EXISTENCE OF THREATENED AND ENDANGERED SPECIES AS DEFINED IN FIS 1002.04
5. THE NHF&G, INCLUDING ITS EMPLOYEES AND AUTHORIZED AGENTS, SHALL HAVE ACCESS TO THE PROPERTY DURING THE TERM OF THE PERMIT.

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
2/24/25

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

COVER SHEET

LILAC STATE SOLAR PROJECT
CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY
VARIOUS PARTIES
PREPARED FOR
WALDEN RENEWABLES

SCALE: AS NOTED **NOVEMBER 13, 2024**

TFM
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

48 Constitution Drive
Bedford, NH 03110
Phone (603) 472-4488
Fax (603) 472-9747
www.tfmoran.com

FILE	DR	JB	FB	-	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_COVER & DETAILS	C-01

LEGEND

PROPOSED

- PROPERTY LINE
- ZONING LINE
- EASEMENT
- BASELINE
- FLOODPLAIN
- EDGE OF WATERBODY
- EDGE OF WETLAND
- SETBACK (WETLAND)
- SETBACK (STRUCTURE)
- SETBACK (PARKING)
- SETBACK (LANDSCAPE)
- GRAVEL ROAD
- EOP — EDGE OF PAVEMENT
- VGC — VERTICAL GRANITE CURB
- SGC — SLOPED GRANITE CURB
- CC — CONCRETE CURB
- ICC — INTEGRATED CONCRETE CURB
- BIT — BITUMINOUS ASPHALT CURB
- CCB — CAPE COD BERM
- SAWCUT
- BUILDING
- BUILDING ROOF OVERHANG
- BUILDING FOUNDATION
- BUILDING ENTRANCE
- OVERHEAD DOOR
- TREE LINE
- FENCE (CHAIN LINK)
- FENCE (WIRE)
- FENCE (STOCKADE)
- GUARDRAIL
- STONE WALL
- RETAINING WALL
- SILT FENCE
- SILT SOCK
- SOIL BOUNDARY
- LIMIT OF GRADING
- 100 — CONTOUR
- OR — SPOT GRADE
- ## — PARKING COUNT
- DSLY — YELLOW DOUBLE SOLID LINE
- SSLY — YELLOW SINGLE SOLID LINE
- SSLW — WHITE SINGLE SOLID LINE
- SBLW — WHITE SINGLE BROKEN LINE
- STOP — STOP BAR
- CROSSWALK
- ACCESSIBLE PARKING SYMBOL
- PAVEMENT ARROW
- TRAFFIC FLOW ARROW (NOT PAINTED)
- SIGN (SINGLE POST)
- SIGN (DOUBLE POST)
- SIGN (PYLON)
- SIGN (MONUMENT)
- BOLLARD
- D — DUMPSTER PAD

PROPOSED

- CONCRETE
- GRAVEL
- HEAVY DUTY PAVEMENT
- CONSTRUCTION ENTRANCE
- SNOW STORAGE
- RIPRAP
- INLET PROTECTION
- FLOW ARROW
- RIDGE — GRADE BREAK RIDGE
- DRAIN LINE
- DRAINAGE SWALE
- STORMWATER BMP
- S — SEWER LINE
- FM — SEWER FORCE MAIN LINE
- W — WATER LINE
- G — GAS LINE
- OHE — OVERHEAD UTILITY LINE
- UGE — UNDERGROUND UTILITY LINE
- CATCH BASIN
- DRAIN INLET
- OUTLET CONTROL STRUCTURE
- ROOF DRAIN
- DRAIN CLEANOUT
- DRAIN MANHOLE
- FARED END SECTION
- SEWER CLEAN OUT
- SEWER MANHOLE
- SEWER VENT
- DRAIN/SEWER/WATER PLUG OR CAP
- HYDRANT
- FIRE DEPARTMENT CONNECTION
- WATER GATE VALVE
- WATER SHUTOFF
- THRUST BLOCK
- WATER METER
- WATER MANHOLE
- WELL
- GAS GATE VALVE
- GAS SHUT OFF
- GAS METER
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- TRAFFIC CONTROL CABINET
- ELECTRIC HANDHOLE
- ELECTRIC PULL BOX
- ELECTRIC METER
- FLOOD LIGHT
- LIGHT POLE
- UTILITY POLE
- GUY POLE
- T — TRANSFORMER PAD
- B-# — BORING LOCATION
- TP-# — TEST PIT LOCATION
- I-# — INFILTRATION TEST LOCATION
- MW-# — MONITORING WELL

ABBREVIATIONS

GENERAL

ABAN	ABANDON
AC	ACRES
ADJ	ADJUST
APPROX	APPROXIMATE
BC	BOTTOM OF CURB
BIT	BITUMINOUS
BK/PG	BOOK & PAGE
BLDG	BUILDING
BMP	BEST MANAGEMENT PRACTICE
BS	BOTTOM OF SLOPE
BW	BOTTOM OF WALL
CONC	CONCRETE
COORD	COORDINATE
DIA	DIAMETER
ELEV	ELEVATION
EP	EDGE OF PAVEMENT
EXIST	EXISTING
FFE	FINISHED FLOOR ELEVATION
FND	FOUNDATION
HP	HIGH POINT
INV	INVERT ELEVATION
IT	INFILTRATION TEST
L	LENGTH
LF	LINEAR FEET
LSA	LANDSCAPE AREA
MAX	MAXIMUM
MIN	MINIMUM
N/F	NOW OR FORMERLY
NHFG	NEW HAMPSHIRE FISH & GAME
NTS	NOT TO SCALE
OC	ON CENTER
PAVE	PAVEMENT
PERF	PERFORATED
PROP	PROPOSED
R	RADIUS
R&D	REMOVE AND DISPOSE
R&R	REMOVE AND RESET
REM	REMOVE
RET	RETAIN
RIM	RIM ELEVATION
ROW	RIGHT OF WAY
S	SLOPE
SF	SQUARE FEET
SW	SIDEWALK
TBM	TEMPORARY BENCHMARK
TC	TOP OF CURB
TP	TEST PIT
TW	TOP OF WALL
TYP	TYPICAL
UG	UNDERGROUND
WCR	ACCESSIBLE WHEELCHAIR RAMP
W/	WITH

UTILITIES

CB	CATCH BASIN
CIP	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
COND	CONDUIT
DCB	DOUBLE CATCH BASIN
DIP	DUCTILE IRON PIPE
DMH	DRAIN MANHOLE
F&C	FRAME AND COVER
F&G	FRAME AND GRATE
FES	FLARED END SECTION
GT	GREASE TRAP
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HH	HANDHOLE
HW	HEADWALL
HYD	HYDRANT
LP	LIGHT POLE
OCS	OUTLET CONTROL STRUCTURE
PVC	POLYVINYL CHLORIDE PIPE
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
SMH	SEWER MANHOLE
SOS	SEDIMENT OIL SEPARATOR
TSV	TAPPING SLEEVE, VALVE, AND BOX
UP	UTILITY POLE

DIG SAFE — CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

GENERAL NOTES

1. THESE PLANS WERE PREPARED UNDER THE SUPERVISION OF A LICENSED PROFESSIONAL ENGINEER, TFMORAN, INC. ASSUMES NO LIABILITY AS A RESULT OF ANY CHANGES OR NON-CONFORMANCE WITH THESE PLANS EXCEPT UPON THE WRITTEN APPROVAL OF THE ENGINEER OF RECORD.
2. ALL IMPROVEMENTS SHOWN ON THE SITE PLAN SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE PLAN BY THE PROPERTY OWNER AND ALL FUTURE PROPERTY OWNERS. NO CHANGES SHALL BE MADE TO THIS SITE PLAN WITHOUT THE EXPRESS APPROVAL OF THE TOWN PLANNING BOARD.
3. ALL WORK SHALL CONFORM TO THE APPLICABLE REGULATIONS AND STANDARDS OF THE TOWN OF FARMINGTON, AND SHALL BE BUILT IN A WORKMANLIKE MANNER IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. ALL WORK TO CONFORM TO TOWN OF FARMINGTON DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS. ALL WORK WITHIN THE RIGHT-OF-WAY OF THE TOWN AND/OR STATE SHALL COMPLY WITH APPLICABLE STANDARDS. COORDINATE ALL WORK WITHIN THE RIGHT-OF-WAY WITH APPROPRIATE TOWN, COUNTY, AND/OR STATE AGENCY.
4. THE SITE CONTRACTOR SHALL ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH APPLICABLE SECTIONS OF ENV-WQ 1500. THE SITE CONTRACTOR SHALL NOTIFY THE ENGINEER IN ADVANCE OF CONSTRUCTION OF EACH STORMWATER FACILITY TO COORDINATE REQUIRED INSPECTIONS. THE CONTRACTOR SHALL TAKE PROGRESS PHOTOS DURING CONSTRUCTION OF ALL STORMWATER DRAINAGE COMPONENTS AND SEND TO THE ENGINEER.
5. SEE EXISTING CONDITIONS PLAN FOR THE HORIZONTAL AND VERTICAL DATUM.
6. SEE EXISTING CONDITIONS PLAN FOR BENCHMARK INFORMATION. VERIFY TBM ELEVATIONS PRIOR TO CONSTRUCTION.
7. CONTACT EASEMENT OWNERS PRIOR TO COMMENCING ANY WORK WITHIN THE EASEMENTS.
8. PRIOR TO COMMENCING ANY SITE WORK, ALL LIMITS OF WORK SHALL BE CLEARLY MARKED IN THE FIELD.
9. SITE WORK SHALL BE CONSTRUCTED FROM A COMPLETE SET OF PLANS, NOT ALL FEATURES ARE DETAILED ON EVERY PLAN. THE ENGINEER IS TO BE NOTIFIED OF ANY CONFLICT WITHIN THIS PLAN SET.
10. TFMORAN, INC. ASSUMES NO LIABILITY FOR WORK PERFORMED WITHOUT AN ACCEPTABLE PROGRAM OF TESTING AND INSPECTION AS APPROVED BY THE ENGINEER OF RECORD.
11. TEMPORARY FENCING SHALL BE PROVIDED AND COVERED WITH A FABRIC MATERIAL TO CONTROL DUST MITIGATION AS NECESSARY.
12. ALL DEMOLITION SHALL INSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKWAYS, AND ANY OTHER ADJACENT OPERATING FACILITIES. PRIOR WRITTEN PERMISSION FROM THE OWNER/DEVELOPER AND LOCAL PERMITTING AUTHORITY IS REQUIRED IF CLOSURE/OBSTRUCTIONS TO ROADS, STREET, WALKWAYS, AND OTHERS IS DEEMED NECESSARY. CONTRACTOR TO PROVIDE ALTERNATE ROUTES AROUND CLOSURES/OBSTRUCTIONS PER LOCAL/STATE/FEDERAL REGULATIONS.
13. REFER TO SOLAR ARRAY PLANS FOR LAYOUT OF SOLAR ARRAY LOCATIONS AND CONCRETE ELEMENTS. DO NOT USE SITE PLANS FOR LAYOUT OF CONCRETE PADS.
14. IN THE EVENT OF A CONFLICT BETWEEN PLANS, SPECIFICATIONS, AND DETAILS, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATION.
15. IF CONDITIONS AT THE SITE ARE DIFFERENT THAN SHOWN ON THE PLANS, THE ENGINEER SHALL BE NOTIFIED PRIOR TO PROCEEDING WITH THE AFFECTED WORK.
16. CONTRACTOR'S GENERAL RESPONSIBILITIES:
    A. BID AND PERFORM THE WORK IN ACCORDANCE WITH ALL LOCAL, STATE, AND NATIONAL CODES, SPECIFICATIONS, REGULATIONS, AND STANDARDS AND CONDITIONS OF ALL PROJECT-SPECIFIC PERMITS AND APPROVALS AS LISTED ON THE COVER SHEET TO THESE PLANS OR OTHERWISE REQUIRED.
    B. NOTIFY ENGINEER IN WRITING OF ANY DISCREPANCIES OF PROPOSED LAYOUT AND/OR EXISTING FEATURES.
    C. EMPLOY A LICENSED SURVEYOR TO DETERMINE ALL LINES AND GRADES AND LAYOUT OF SITE ELEMENTS AND ARRAYS.
    D. THE CONTRACTOR SHALL BE RESPONSIBLE TO BECOME FAMILIAR WITH THE SITE AND ALL SURROUNDING CONDITIONS. THE CONTRACTOR SHALL ADVISE THE APPROPRIATE AUTHORITY OF INTENTIONS AT LEAST 48 HOURS IN ADVANCE.
    E. TAKE APPROPRIATE MEASURES TO REDUCE, TO THE FULLEST EXTENT POSSIBLE, NOISE, DUST, AND UNSIGHTLY DEBRIS. CONSTRUCTION ACTIVITIES SHALL BE CARRIED OUT IN ACCORDANCE WITH THE APPLICABLE MUNICIPAL ORDINANCES AND REGULATIONS OF THE TOWN OF FARMINGTON, NEW HAMPSHIRE.
    F. MAINTAIN EMERGENCY ACCESS TO ALL AREAS AFFECTED BY WORK AT ALL TIMES.
    G. IN ACCORDANCE WITH RSA 430:53 AND AGR 3800, THE CONTRACTOR SHALL NOT TRANSPORT INVASIVE SPECIES OFF THE PROPERTY, AND SHALL DISPOSE OF INVASIVE SPECIES ON-SITE IN A LEGAL MANNER.
    H. COORDINATE WITH ALL UTILITY COMPANIES AND CONTACT DIGSAFE (811 OR 888-344-7233) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION.
    I. PROTECT NEW AND EXISTING BURIED UTILITIES DURING INSTALLATION OF ALL SITE ELEMENTS. DAMAGED UTILITIES SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
    J. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND FOR CONDITIONS AT THE SITE. THESE PLANS, PREPARED BY TFMORAN, INC., DO NOT EXTEND TO OR INCLUDE SYSTEMS PERTAINING TO THE SAFETY OF THE CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES, AGENTS, OR REPRESENTATIVES IN THE PERFORMANCE OF THE WORK. THE SEAL OF THE SURVEYOR OR ENGINEER HEREON DOES NOT EXTEND TO ANY SUCH SAFETY SYSTEMS THAT MAY NOW OR HEREAFTER BE INCORPORATED INTO THESE PLANS. THE CONSTRUCTION CONTRACTOR SHALL PREPARE OR OBTAIN THE APPROPRIATE SAFETY SYSTEMS WHICH MAY BE REQUIRED BY THE US OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND/OR LOCAL REGULATIONS.
    K. WRITTEN DIMENSIONS HAVE PRECEDENCE OVER SCALED DIMENSIONS. THE CONTRACTOR SHALL USE CAUTION WHEN SCALING REPRODUCED PLANS. IN CASE OF CONFLICT BETWEEN THIS PLAN SET AND ANY OTHER DRAWING AND/OR SPECIFICATION, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY FOR CLARIFICATIONS.
    L. VERIFY LAYOUT OF PROPOSED ARRAYS WITH VENDOR AND THAT PROPOSED LAYOUT MEETS PROPERTY LINE AND/OR WETLAND SETBACKS PRIOR TO COMMENCING ANY CONSTRUCTION.
    M. IF ANY DEVIATIONS FROM THE APPROVED PLANS AND SPECIFICATIONS HAVE BEEN MADE, THE SITE CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS STAMPED BY A LICENSED SURVEYOR OR QUALIFIED ENGINEER ALONG WITH A LETTER STAMPED BY A QUALIFIED ENGINEER DESCRIBING ALL SUCH DEVIATIONS, AND BEAR ALL COSTS FOR PREPARING AND FILING ANY NEW PERMITS OR PERMIT AMENDMENTS THAT MAY BE REQUIRED.
    N. THIS PROJECT IS SUBJECT TO THE AOT PERMIT LISTED ON THE COVER SHEET. THE CONTRACTOR SHALL CONFORM TO ALL CONDITIONS OF THE PERMIT AND PROVIDE THE FOLLOWING DOCUMENTATION TO OWNER AND ENGINEER:
        1) ADVANCE WRITTEN NOTICE AT LEAST ONE WEEK PRIOR TO COMMENCING ANY WORK UNDER THE PERMIT AND NOTIFICATION TO AOT VIA THE START OF CONSTRUCTION FORM.
        2) UPON COMPLETION OF CONSTRUCTION, NOTIFICATION TO AOT VIA THE COMPLETION OF CONSTRUCTION FORM AND WRITTEN CERTIFICATION THAT:
            A) ALL WORK UNDER THE PERMIT HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
            B) IF ANY DEVIATIONS FROM THE APPROVED PLANS WERE MADE, WRITTEN DESCRIPTIONS AND AS-BUILT DRAWINGS OF ALL SUCH DEVIATIONS, STAMPED BY A QUALIFIED ENGINEER, SHALL BE PROVIDED.

SITE PREPARATION NOTES

1. THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL AREAS AFFECTED BY HIS WORK AT ALL TIMES.
2. PRIMARY DRIVEWAY ACCESS SHALL BE FROM CHESTNUT HILL ROAD WITH SECONDARY/EMERGENCY DRIVEWAY ACCESS FROM DODGE HILL ROAD. CONTRACTOR SHALL USE CHESTNUT HILL ROAD FOR CONSTRUCTION ACCESS.
3. THE CONTRACTOR SHALL VERIFY ALL SURVEY INFORMATION IN THE FIELD AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
4. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED FROM SITE AND DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
5. IN THAT THE PROJECT WILL DISTURB MORE THAN 5-ACRES AT ONE TIME A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL OR A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF NEW HAMPSHIRE ("MONITOR") SHALL BE EMPLOYED TO INSPECT THE SITE FROM THE START OF ALTERATION OF TERRAIN ACTIVITIES UNTIL THE SITE IS IN FULL COMPLIANCE WITH THE ALTERATION OF TERRAIN PERMIT ("PERMIT").
    A. DURING THIS PERIOD, THE MONITOR SHALL INSPECT THE SUBJECT SITE AT LEAST ONCE A WEEK, AND IF POSSIBLE, DURING ANY ½ INCH OR GREATER RAIN EVENT (I.E. ½ INCH OF PRECIPITATION OR MORE WITHIN A 24 HOUR PERIOD). IF UNABLE TO BE PRESENT DURING SUCH A STORM, THE MONITOR SHALL INSPECT THE SITE WITHIN 24 HOURS OF THIS EVENT.
    B. THE MONITOR SHALL PROVIDE TECHNICAL ASSISTANCE AND RECOMMENDATION TO THE CONTRACTOR ON THE APPROPRIATE BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROLS REQUIRED TO MEET THE REQUIREMENTS OF RSA 485-A:17 AND ALL APPLICABLE DES PERMIT CONDITIONS.
    C. WITHIN 24 HOURS OF EACH INSPECTION, THE MONITOR SHALL SUBMIT A REPORT TO DES VIA EMAIL (TO KEVIN THATCHER AT KEVIN.D.THATCHER@DES.NH.GOV).
6. CONTRACTOR TO INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO SITE WORK. REFER TO THE STORMWATER MANAGEMENT PLAN FOR SPECIFIC INFORMATION.
7. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE TOWN OF FARMINGTON'S CONSTRUCTION STANDARDS AND DETAILS (LATEST ADDITION), AND THE TOWN STANDARDS SHALL TAKE PRECEDENCE IN CASE OF ANY DETAILS OR PLANS IN CONFLICT.
8. FINAL CONSTRUCTION SEQUENCING SUBJECT TO CONTRACTOR AND OWNER CONFIRMATION.

GRADING & DRAINAGE NOTES

1. THE CONTRACTOR SHALL ENSURE THAT ALL WORK IS PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF NHDES ENV-WQ 1500 AS APPLICABLE.
2. THE CONTRACTOR SHALL PREPARE, MAINTAIN, AND EXECUTE A S.W.P.P.P. IN ACCORDANCE WITH EPA REGULATIONS AND THE CONSTRUCTION GENERAL PERMIT.
3. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER TO SUBMIT AN eNOI AT LEAST 14 DAYS IN ADVANCE OF ANY EARTHWORK ACTIVITIES AT THE SITE.
4. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CHECK THE ACCURACY OF THE TOPOGRAPHY AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO ANY EARTHWORK BEING PERFORMED ON THE SITE. NO CLAIM FOR EXTRA WORK WILL BE CONSIDERED FOR PAYMENT AFTER EARTHWORK HAS COMMENCED.
5. THE CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION ABOUT SOIL AND GROUNDWATER CONDITIONS. THE CONTRACTOR SHALL FOLLOW THE GEOTECHNICAL ENGINEER'S RECOMMENDED METHODS TO ADDRESS ANY SOIL AND GROUNDWATER ISSUES THAT ARE FOUND ON SITE, INCLUDING AND NOT LIMITED TO DEWATERING METHODS, PERIMETER DRAINS AND TIE INTO STORMWATER MANAGEMENT SYSTEM, ETC.
6. COORDINATE WITH GEOTECHNICAL/SOLAR ARRAY PLANS FOR SITE PREPARATION AND OTHER PERTINENT INFORMATION.
7. COORDINATE WITH VENDOR PLANS FOR DETAILED GRADING AT ARRAYS, AND SIZE AND LOCATION OF ALL ELECTRICAL SERVICES.
8. LIMITS OF WORK ARE SHOWN AS APPROXIMATE. THE CONTRACTOR SHALL COORDINATE ALL WORK TO PROVIDE SMOOTH TRANSITIONS. THIS INCLUDES GRADING, DRIVES, ROADS, AND ALIGNMENTS.
9. THE CONTRACTOR SHALL PROVIDE A FINISH GRAVEL SURFACE FREE OF LOW SPOTS AND PONDING AREAS.
10. THE SITE SHALL BE GRADED SO ALL FINISHED GRAVEL SURFACES HAS POSITIVE DRAINAGE AND SHALL NOT POND WATER DEEPER THAN 1/4" FOR A PERIOD OF MORE THAN 15 MINUTES AFTER FLOODING.
11. ADJUST ALL MANHOLES, ELECTRICAL BOXES, ETC. WITHIN LIMITS OF WORK TO FINISH GRADE PRIOR TO INSTALLATION OF FINISHED PAVEMENT.
12. ROAD AND DRAINAGE CONSTRUCTION SHALL CONFORM TO THE TYPICAL SECTIONS AND DETAILS SHOWN ON THE PLANS AND SHALL MEET LOCAL STANDARDS AND THE REQUIREMENTS OF THE LATEST NHDOT STANDARD SPECIFICATIONS FOR ROADS AND BRIDGE CONSTRUCTION AND THE NHDOT STANDARD STRUCTURE DRAWINGS UNLESS OTHERWISE NOTED.
13. STORMWATER DRAINAGE SYSTEM SHALL BE CONSTRUCTED TO LINE AND GRADE AS SHOWN ON THE PLANS. CONSTRUCTION METHODS SHALL CONFORM TO NHDOT STANDARD SPECIFICATIONS, SECTION 603. CATCH BASINS AND DRAIN MANHOLES SHALL CONFORM TO SECTION 604. ALL CATCH BASIN GRATES SHALL BE TYPE B AND CONFORM TO NHDOT STANDARDS AND SPECIFICATIONS UNLESS OTHERWISE NOTED.
14. NO FILL SHALL BE PLACED IN ANY WETLAND AREA NOT INCLUDED IN THE NHDES MAJOR DREDGE & FILL WETLANDS PERMIT.
15. ALL EXCAVATIONS SHALL BE THOROUGHLY SECURED ON A DAILY BASIS BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION OPERATIONS IN THE IMMEDIATE AREA.
16. ALL DISTURBED AREAS NOT TO BE PAVED OR OTHERWISE TREATED SHALL RECEIVE ONSITE SCREENED LOAM, SEED, FERTILIZER, AND MULCH.
17. DENSITY REQUIREMENTS:

MINIMUM DENSITY*	LOCATION
95%	BELOW PAVED OR CONCRETE AREAS
95%	TRENCH BEDDING MATERIAL AND SAND BLANKET BACKFILL

*ALL PERCENTAGES OF COMPACTION SHALL BE OF THE MAXIMUM DRY DENSITY AT THE OPTIMUM MOISTURE CONTENT AS DETERMINED AND CONTROLLED IN ACCORDANCE WITH ASTM D-1557, METHOD C. FIELD DENSITY TESTS SHALL BE MADE IN ACCORDANCE WITH ASTM D-1556 OR ASTM D-6938.

18. SWALES ARE TO BE VEGETATED OR STONE LINED PRIOR TO DIRECTING RUNOFF TO THEM.

UTILITY NOTES

1. LENGTH OF PIPE IS FOR CONVENIENCE ONLY. ACTUAL PIPE LENGTH SHALL BE DETERMINED IN THE FIELD.
2. ALL PROPOSED UTILITY WORK, INCLUDING MATERIAL, INSTALLATION, TERMINATION, EXCAVATION, BEDDING, BACKFILL, COMPACTION, TESTING, CONNECTIONS, AND CONSTRUCTION SHALL BE COORDINATED WITH AND COMPLETED IN ACCORDANCE WITH THE APPROPRIATE REQUIREMENTS, CODES, AND STANDARDS OF ALL CORRESPONDING UTILITY ENTITIES AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING AND DETERMINING THE LOCATION, SIZE, AND ELEVATION OF ALL EXISTING UTILITIES, SHOWN OR NOT SHOWN ON THESE PLANS, PRIOR TO THE START OF ANY CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES FOUND INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION BE AGREED TO BY THE ENGINEER BEFORE PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT "DIGSAFE" (811) AT LEAST 72 HOURS BEFORE DIGGING.
4. COORDINATE ALL WORK ADJACENT TO PROPOSED ARRAYS AND CONCRETE PADS WITH VENDOR/ELECTRICAL DRAWINGS. CONFIRM UTILITY PENETRATIONS AND INVERT ELEVATIONS ARE COORDINATED PRIOR TO INSTALLATION.
5. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES OWNING UTILITIES, EITHER OVERHEAD OR UNDERGROUND, WITHIN THE CONSTRUCTION AREA AND SHALL COORDINATE AS NECESSARY WITH THE UTILITY COMPANIES OF SAID UTILITIES. THE PROTECTION OR RELOCATION OF UTILITIES IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE EXACT LOCATION OF NEW UTILITY CONNECTIONS SHALL BE DETERMINED BY THE CONTRACTOR IN COORDINATION WITH UTILITY COMPANY, COUNTY AGENCY, AND/OR PRIVATE UTILITY COMPANY.
7. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL MANHOLES, BOXES, FITTINGS, CONNECTORS, COVER PLATES, AND OTHER MISCELLANEOUS ITEMS NOT NECESSARILY DETAILED ON THESE DRAWINGS TO RENDER THE UTILITY INSTALLATION COMPLETE AND OPERATIONAL.
8. ALL UTILITY COMPANIES REQUIRE INDIVIDUAL CONDUITS. CONTRACTOR TO COORDINATE WITH TELEPHONE, CABLE, AND ELECTRIC COMPANIES REGARDING NUMBER, SIZE, AND TYPE OF CONDUITS REQUIRED PRIOR TO INSTALLATION OF ANY CONDUIT.
9. THE CONTRACTOR SHALL ARRANGE AND PAY FOR ALL INSPECTIONS, TESTING, AND RELATED SERVICES AND SUBMIT COPIES OF ACCEPTANCE TO THE OWNER, UNLESS OTHERWISE INDICATED.
10. UNLESS OTHERWISE SPECIFIED, ALL UNDERGROUND STRUCTURES, PIPES, CHAMBERS, ETC. SHALL BE COVERED WITH A MINIMUM OF 18" OF COMPACTED SOIL BEFORE EXPOSURE TO VEHICLE LOADS.
11. THE PROPERTY WILL BE SERVICED BY THE FOLLOWING:

DRAINAGE	PRIVATE
SEWER	N/A
WATER	N/A
GAS	N/A
ELECTRIC	EVERSOURCE
TELEPHONE	N/A
CABLE	N/A
INTERNET	CONSOLIDATED COMMUNICATIONS

12. SOLAR PANEL ARRAY ELECTRIC CONNECTIONS DEPICTED ON THESE PLANS ARE INTENDED FOR COORDINATION PURPOSES ONLY. FINAL ELECTRIC DESIGN AND INTERCONNECTIVITY SHALL BE COORDINATED WITH THE ELECTRICAL DESIGN ENGINEER AND/OR ARRAY VENDOR.

STATE OF NEW HAMPSHIRE — NICHOLAS C. GOLON No. 14086 — LICENSED PROFESSIONAL ENGINEER — 2/24/25

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

NOTES & LEGEND

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY
VARIOUS PARTIES

PREPARED FOR
WALDEN RENEWABLES

SCALE: NTS **NOVEMBER 13, 2024**

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

TFM — Civil Engineers, Structural Engineers, Traffic Engineers, Land Surveyors, Landscape Architects, Scientists
48 Constitution Drive
Bedford, NH 03110
Phone (603) 472-4488
Fax (603) 472-9747
www.tfmoran.com

FILE	DR	CK
47587-00	JB	NG

FB: – | CADFILE: 47587-00 DESIGN_COVER & DETAILS

CONSTRUCTION SEQUENCE NOTES

1. SEE CONSTRUCTION PHASING PLANS (SHEETS PH-01 AND PH-02 ADDITIONAL INFORMATION.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
3. CUT AND CLEAR TREES WITHIN AREA OF DISTURBANCE UNLESS OTHERWISE NOTED. SELECTIVE CLEARING MAY TAKE PLACE OUTSIDE LIMITS OF DISTURBANCE WITHIN RESERVED AREA(S) WHERE NECESSARY TO REMOVE DANGEROUS AND/OR SHADING TREES.
4. CONSTRUCT TEMPORARY AND/OR PERMANENT SWALES PRIOR TO ANY ROUGH GRADING. SWALES SHALL BE STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM.
5. CONSTRUCT TEMPORARY AND PERMANENT EROSION CONTROL FACILITIES, AND BASINS PRIOR TO ANY ROUGH GRADING.
6. ROUGH GRADE SITE OR PHASED WORK AREA. ALL SLOPES SHALL BE STABILIZED IMMEDIATELY AFTER GRADING. ALL DISTURBED AREAS SHALL BE STABILIZED NO LATER THAN 72 HOURS AFTER CONSTRUCTION ACTIVITY CEASES. IF EARTHWORK TEMPORARILY CEASES ON A PORTION OF OR THE ENTIRE SITE, AND WILL NOT RESUME WITHIN 21 DAYS, THE AREA SHALL BE STABILIZED.
7. REMOVED TOPSOIL TO BE SCREENED AND STOCKPILED FOR REUSE AS LOAM ON SITE.
8. AN AREA SHALL BE CONSIDERED STABILIZED IF:
   A) BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED;
   B) A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED;
   C) A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH STONE OR RIPRAP HAS BEEN INSTALLED, OR
   D) EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
9. CONSTRUCT CULVERTS, BIORETENTION AREA AND SWALES. PLACE FLARED END SECTIONS, RIP-RAP AND OTHER DRAINAGE FACILITIES ACCORDING TO PLAN. THE CONTRACTOR SHALL STABILIZE ALL DITCHES, SWALES, AND BASINS PRIOR TO DIRECTING FLOW TO THEM.
10. INSTALL ALL UNDERGROUND UTILITIES.
11. FINISH GRADE SITE ACCORDING TO PLAN. ALL SLOPES SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
12. INSTALL SOLAR ARRAYS.
13. THE CONTRACTOR SHALL INSPECT ALL TEMPORARY EROSION CONTROL MEASURES AT LEAST ONCE A WEEK AND WITHIN TWENTY-FOUR (24) HOURS OF THE END OF A STORM WITH RAINFALL AMOUNT GREATER THAN 0.5 INCHES. THE INSPECTIONS SHALL VERIFY THAT THE STRUCTURAL BMPS SHOWN AND DESCRIBED ON THE PLANS ARE IN GOOD CONDITION AND ARE MINIMIZING EROSION. A MAINTENANCE AND INSPECTION REPORT SHALL BE MADE WITH EACH INSPECTION.
14. COMPLETE PERMANENT SEEDING AND LANDSCAPING.
15. REMOVE TEMPORARY EROSION CONTROL MEASURES ONCE ALL AREAS ARE STABILIZED WITH A SUITABLE STAND OF GRASS, PAVEMENT OR COMPACTED GRAVELS.
16. REFER TO THE STORMWATER MANAGEMENT PLAN FOR EROSION CONTROL MEASURES AND SPECIFIC INFORMATION.

PANEL INSTALLATION WITHIN WETLANDS

1. THE PROPERTY OWNER, OR THEIR AGENT, SHALL NOTIFY NHDES VIA THE INITIATION OF CONSTRUCTION NOTIFICATION FORM NO MORE THAN 7 DAYS PRIOR TO COMMENCING THE CONSTRUCTION ACTIVITIES.
2. VEGETATION REMOVAL AND HELICAL/ SCREW PILE INSTALLATION SHALL COMMENCE WITHIN FORESTED WETLANDS DURING FROZEN OR DRY CONDITIONS ONLY.
3. THE LIMITS OF TREE CLEARING WITHIN FORESTED WETLANDS SHALL BE FIELD LOCATED BY A SURVEY CREW AND FLAGGED WITH WHITE AND PURPLE FLAGGING TAPE TO DIFFERENTIATE FROM ANY OTHER TYPES OF FLAGGING THAT MAY BE PRESENT.
4. THE PRE-DETERMINED LOW-FUNCTIONING, LOW-VALUE FORESTED WETLANDS SHALL BE CLEARED OF WOODY VEGETATION. TO THE GREATEST EXTENT PRACTICABLE, SOME SLASH SHALL BE ALLOWED TO REMAIN TO ASSIST WITH AVOIDING INADVERTENT RUTTING.
5. AFTER TREE CLEARING ACTIVITIES ARE COMPLETED AND THE TIMBER HARVESTING CONTRACTORS HAVE DEMOBILIZED, ALL FORESTED WETLAND AREAS SLATED TO BE UTILIZED FOR SOLAR PANEL INSTALLATION SHALL BE INSPECTED FOR RUTTING. TO THE GREATEST EXTENT PRACTICABLE, ANY RUTS SHALL BE SMOOTHED AND RETURNED TO ORIGINAL GRADE.
6. ROBUST LEVELS OF EROSION AND SEDIMENTATION CONTROLS SHALL BE IMPLEMENTED WITHIN THE WETLAND WORK AREA. SILT SOCKS AND/OR MULCH BERMS SHALL BE INSTALLED WITHIN UPLAND AREAS SURROUNDING THE WETLANDS. ALL EROSION CONTROLS SHALL BE MONITORED, INSPECTED, AND MAINTAINED AS NECESSARY THROUGHOUT THE DURATION OF THE PROJECT.
7. THE PRECISE LOCATIONS OF THE PROPOSED PHOTOVOLTAIC PANEL SUPPORT PILES, AS DEPICTED ON THE APPROVED PLANS, SHALL BE STAKED OUT BY SURVEY FIELD CREWS.
8. THE LIMITS OF WETLANDS SHALL BE RE-FLAGGED, AS NECESSARY, WITH PINK FLAGGING LABELED, "WETLAND DELINEATION" THROUGHOUT THE DURATION OF CONSTRUCTION SO THAT THE LIMITS OF WETLANDS ARE EASILY RECOGNIZABLE.
9. USING A PHASED, STAGGERED APPROACH, THE SOLAR PANEL FOUNDATION CONTRACTORS SHALL MOBILIZE TO THE FOCAL AREA. ONLY TRACKED EQUIPMENT SHALL BE USED FOR THE INSTALLATION OF THE HELICAL/ SCREW PILES. WHEN NOT IN USE, ALL EQUIPMENT AND MATERIALS SHALL BE STORED IN UPLAND AREAS. THIS IS ALSO DETAILED WITHIN THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
10. POLLUTION PREVENTION CONTROLS SHALL BE IMPLEMENTED DURING SITE ACTIVITIES. CONSTRUCTION VEHICLES AND EQUIPMENT SHALL BE INSPECTED DAILY FOR LEAKING FUEL, OIL, AND HYDRAULIC FLUID, AND IF NECESSARY, REPAIRS SHALL BE MADE IMMEDIATELY.
11. CONTRACTORS RESPONSIBLE FOR OPERATING CONSTRUCTION VEHICLES AND EQUIPMENT SHALL HAVE OIL SPILL KITS READILY AVAILABLE, AND THEY SHALL BE TRAINED IN DEPLOYING THIS EQUIPMENT SHOULD IT BE REQUIRED.
12. ONCE VEGETATION REMOVAL ACTIVITIES ARE COMPLETED, THE PRECISE LOCATIONS OF THE PROPOSED PHOTOVOLTAIC PANEL SUPPORT PILES, AS DEPICTED WITHIN THE APPROVED PLANS, SHALL BE STAKED OUT BY A SURVEY CREW.
13. THE PHOTOVOLTAIC PANEL SUPPORT PILES SHALL THEN BE SYSTEMATICALLY INSTALLED USING WIDE-TRACKED MACHINERY. AFTER THE SUPPORT PILES ARE DRIVEN AND SECURED IN PLACE, THE PHOTOVOLTAIC PANELS SHALL BE MOUNTED AND ATTACHED TO THE SUPPORT PILES.
14. UPON COMPLETION OF PILE DRIVING AND MOUNTING ACTIVITIES, TO THE GREATEST EXTENT PRACTICABLE, ANY REMAINING SLASH OR WOODY DEBRIS SHALL BE REMOVED. ANY DISTURBED SOILS SHALL BE SEEDED WITH A WETLAND SEED MIX AND WATERED AS NECESSARY AT THE START OF THE NEXT GROWING SEASON. STRAW SHALL ALSO BE APPLIED TO ANY DISTURBED SOILS AND WETLANDS SHALL BE MANAGED TO TRANSITION INTO WET MEADOWS.
15. ONCE THE WETLAND VEGETATION IS REESTABLISHED AND THE SITE IS STABLE, ALL EROSION AND SEDIMENTATION CONTROLS, AS WELL AS POLLUTION PREVENTION CONTROLS, SHALL BE REMOVED. ALL CONSTRUCTION EQUIPMENT AND MATERIALS, PANEL CONSTRUCTION DEBRIS, AND OTHER WASTES SHALL BE REMOVED AND PROPERLY DISPOSED OF.
16. UPON COMPLETION OF THE PROJECT, THE PROPERTY OWNER, OR THEIR AGENT, SHALL NOTIFY NHDES VIA THE COMPLETION OF CONSTRUCTION NOTICE AND THE CERTIFICATE OF COMPLIANCE FORM.

EROSION CONTROL NOTES

DURING CONSTRUCTION AND THEREAFTER, EROSION CONTROL MEASURES ARE TO BE IMPLEMENTED AS NOTED:

1. INSTALLATION OF SILTATION FENCES AND OTHER EROSION CONTROL MEASURES SHALL BE COMPLETED PRIOR TO THE START OF SITE WORK IN ANY GIVEN AREA. PREFABRICATED SILTATION FENCES SHALL BE INSTALLED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.
2. SILTATION FENCES AND OTHER EROSION CONTROL MEASURES SHALL BE KEPT CLEAN DURING CONSTRUCTION AND REMOVED WHEN ALL SLOPES HAVE A VEGETATIVE COVER OF GREATER THAN 85%. EROSION CONTROL MEASURES SHALL BE INSPECTED ON A WEEKLY BASIS AND AFTER EVERY RAINFALL.
3. EXISTING VEGETATION IS TO REMAIN UNDISTURBED WHEREVER POSSIBLE.
4. THE AREA OF LAND EXPOSED AND THE TIME OF EXPOSURE SHALL BE MINIMIZED. ALL DISTURBED AREAS SHALL BE STABILIZED WITHIN 72 HOURS AFTER FINAL GRADING.
5. ALL DISTURBED AREAS SHALL BE SEEDED UPON ACHIEVING FINAL GRADE. ACCEPTABLE SEED MIXES ARE AS FOLLOWS:

   PARK SEED MIX (NHDOT TYPE 44) MIN. 135 LBS/ACRE:
   33% CREEPING RED FESCUE (MIN. 45 LBS/ACRE)
   42% PERENNIAL RYEGRASS (MIN. 55 LBS/ACRE)
   21% KENTUCKY BLUEGRASS (MIN. 30 LBS/ACRE)
   4% REDTOP (MIN. 5 LBS/ACRE)

   MODIFIED NEW ENGLAND CONSERVATION WILDLIFE MIX (MIN. 25 LBS/ACRE)*
   CONTAINS: VIRGINIA WILD RYE (ELYMUS VIRGINICUS), LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM), BIG BLUESTEM (ANDROPOGON GERARDII), PANICLEDLEAF TICK TREFOIL (DESMODIUM PANICULATUM), BLUE VERVAIN (VERBENA HASTATA), BLACK EYED SUSAN (RUDBECKIA HIRTA), HEATH ASTER (ASTERPILOSUS/SYMPHYOTRICHUM PILOSUM), EARLY GOLDENROD (SOLIDAGO JUNCEA), UPLAND BENTGRASS (AGROSTIS PERENNANS).
   *SEED MIX SHALL NOT CONTAIN INDIAN GRASS (SORGHASTRUM NUTANS), RED FESCUE (FESTUCA RUBRA), SWITCH GRASS (PANICUM VIRGATUM), PARTRIDGE PEA (CHAMAECRISTA FASCICULATA), OR COMMON SNEEZEWEED (HELENIUM AUTUNALE).

   TEMPORARY LAWN MIX: (MIN. 47 LBS/ACRE)
   100% ANNUAL RYE

   A. PLACING LOAM ON SITE
      a. ALL SUBGRADE ELEVATIONS SHOULD BE UNIFORMLY GRADED TO RECEIVE LOAM AND SHALL BE INSPECTED AND APPROVED BY THE GENERAL CONTRACTOR PRIOR TO PLACEMENT OF LOAM.
      b. PLACE LOAM TO FORM A UNIFORM DEPTH WHEN ROLLED, UNLESS OTHERWISE INDICATED.
      c. ALL DEPRESSIONS EXPOSED DURING THE ROLLING SHALL BE FILLED WITH ADDITIONAL LOAM.
      d. ON SITE TOPSOIL SHALL BE SCREENED AND STOCKPILED FOR REUSE AS LOAM.

   B. SEED BED PREPARATION
      AFTER FINISH GRADING AND JUST BEFORE SEEDING, THE AREAS TO BE SEEDED SHALL BE LOOSENED TO PROVIDE A ROUGH, FIRM BUT FINELY PULVERIZED SEEDBED. THE INTENT IS A TEXTURE CAPABLE OF RETAINING WATER, SEED AND FERTILIZER WHILE REMAINING STABLE AND ALLOWING SEED TIME TO GERMINATE. SEED SHALL BE APPLIED TO THE CONDITIONED SEEDBED NOT MORE THAN 48 HOURS AFTER THE SEEDBED HAS BEEN PREPARED.
6. LIME AND FERTILIZER SHALL BE INCORPORATED INTO THE SOIL PRIOR TO OR AT THE TIME OF AT THE TIME OF SEEDING. A MINIMUM OF 2 TONS PER ACRE OF AGRICULTURAL LIMESTONE AND 500 LBS. PER ACRE OF 10-20-20 FERTILIZER SHALL BE APPLIED. SEEDING PRACTICES SHALL COMPLY WITH LOCAL USDA SOIL CONSERVATION SERVICES RECOMMENDATIONS.
7. HAY OR STRAW MULCH OR JUTE MATTING SHALL BE USED WHERE INDICATED ON THE PLANS. IF JUTE MATTING IS USED, IT SHALL BE LAID IN THE DIRECTION OF RUNOFF FLOW AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
8. MULCHING SHALL COMPLY WITH:
   ENV-WQ 1506.01 EROSION CONTROL METHODS: TEMPORARY AND PERMANENT MULCHING.
   (a) HAY AND STRAW MULCHES SHALL BE ANCHORED WITH MULCH NETTING OR TACKIFIER SO THAT THEY ARE NOT BLOWN AWAY BY WIND OR WASHED AWAY BY FLOWING WATER;
   (b) MULCH MATERIALS SHALL BE SELECTED BASED UPON SOILS, SLOPE, FLOW CONDITIONS, AND TIME OF YEAR;
   (c) HAY OR STRAW MULCH SHALL BE APPLIED AT A RATE OF 1.5 TO 2 TONS PER ACRE, EQUIVALENT TO 70 TO 90 POUNDS PER 1,000 SQUARE FEET.
   ENV-WQ 1506.02 EROSION CONTROL METHODS: VEGETATION. VEGETATING DISTURBED AREAS SHALL BE COMPLETED ONLY AS SPECIFIED BELOW:
   (h) AREAS SEEDED BETWEEN MAY 15TH TO AUGUST 15TH SHALL BE COVERED WITH HAY OR STRAW MULCH MEETING THE CRITERIA OF ENV-WQ 1506.01(a) THROUGH (c).
9. PERMANENT OR TEMPORARY COVER MUST BE IN PLACE BEFORE THE GROWING SEASON ENDS. SEEDED AREAS SHALL BE MULCHED AND PLANTINGS MAY BE MADE FROM EARLY SPRING TO EARLY OCTOBER. NO DISTURBED AREA SHALL BE LEFT EXPOSED DURING WINTER MONTHS.
10. WATER SHALL BE USED FOR DUST CONTROL IN APPROPRIATE AREAS.
11. TEMPORARY DIVERSION SWALES, SEDIMENT TRAPS AND/OR BASINS MUST BE USED AS NECESSARY TO CONTAIN RUNOFF UNTIL SOILS ARE STABILIZED. TACKIFIER SHALL BE APPLIED IN ALL TEMPORARY STABILIZATION UTILIZING SEEDING. SEE PHASING PLAN, SHEET PH-01, FOR ADDITIONAL INFORMATION.
12. WITHIN LIMITS OF FACILITY (INSIDE SECURITY FENCING) OWNER SHALL MAINTAIN AT LEAST 85% COVERAGE OF VEGETATION IN GOOD CONDITION (EVENLY DISTRIBUTED, WITH NO BARE AREAS) AND REPAIR AREAS OF EROSION.

OVERWINTER STABILIZATION

1. PERMANENT STABILIZATION CONSISTS OF AT LEAST 85% VEGETATION, PAVEMENT/GRAVEL BASE OR RIPRAP.
2. DO NOT EXPOSE SLOPES OR LEAVE SLOPES EXPOSED OVER THE WINTER OR FOR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS FULLY PROTECTED WITH MULCH.
3. APPLY HAY MULCH AT TWICE THE STANDARD RATE (150 LBS. PER 1,000 SF). THE MULCH MUST BE THICK ENOUGH SUCH THAT THE GROUND SURFACE WILL NOT BE VISIBLE AND MUST BE ANCHORED.
4. USE MULCH AND MULCH NETTING OR AN EROSION CONTROL MULCH BLANKET OR MIX FOR ALL SLOPES GREATER THAN 8% OR OTHER AREAS EXPOSED TO DIRECT WIND.
5. INSTALL AN EROSION CONTROL BLANKET IN ALL DRAINAGE WAYS (BOTTOM AND SIDES) WITH A SLOPE GREATER THAN 3%.
6. SEE THE VEGETATION MEASURES FOR MORE INFORMATION ON SEEDING DATES AND TYPES.

GENERAL NOTES

1. WHERE DEPTH OF COVER IS LESS THAN 3 FEET CLASS V REINFORCED CONCRETE CULVERT SHALL BE USED.
2. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES OWNING UTILITIES, EITHER OVERHEAD OR UNDERGROUND, WITHIN THE CONSTRUCTION AREA AND SHALL COORDINATE AS NECESSARY WITH THE UTILITY COMPANIES OF SAID UTILITIES. THE PROTECTION OR RELOCATION OF UTILITIES IS ULTIMATELY THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE CONTRACTOR SHALL MAINTAIN EMERGENCY ACCESS TO ALL AREAS AFFECTED BY HIS WORK AT ALL TIMES.
4. ALL EXCAVATIONS SHALL BE THOROUGHLY SECURED ON A DAILY BASIS BY THE CONTRACTOR AT THE COMPLETION OF CONSTRUCTION OPERATIONS IN THE IMMEDIATE AREA.
5. EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE PROJECT IN ACCORDANCE WITH APPLICABLE NHDES STANDARDS. THESE DETAILS SERVE AS A GUIDE ONLY.
6. REFER TO THE TOWN STANDARD DETAILS, LATEST REVISION, FOR ADDITIONAL INFORMATION AND CRITERIA.
7. THE CONTRACTOR SHALL STABILIZE ALL DITCHES, SWALES, AND BASINS PRIOR TO DIRECTING FLOW TO THEM.
8. THE SMALLEST PRACTICAL AREA SHALL BE DISTURBED DURING CONSTRUCTION, BUT IN NO CASE SHALL EXCEED 5 ACRES AT ANY ONE TIME BEFORE DISTURBED AREAS ARE STABILIZED. SEE PHASING PLAN FOR ADDITIONAL INFORMATION ON ALLOWABLE AREAS OF DISTURBANCE.

WINTER CONSTRUCTION

IN ADDITION TO THE OTHER NOTES CONTAINED ON THIS PLAN, THE FOLLOWING MUST BE IMPLEMENTED:

1. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED AS SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
2. ANY AREA WITHIN 50 FEET OF A PROTECTED NATURAL RESOURCE MUST BE PROTECTED WITH A DOUBLE ROW OF SEDIMENT BARRIER.
3. TEMPORARY MULCH MUST BE APPLIED WITHIN 7 DAYS OF SOIL EXPOSURE OR PRIOR TO ANY STORM EVENT, BUT AFTER EVERY WORKDAY IN AREAS WITHIN 100 FEET FROM A PROTECTED NATURAL RESOURCE.
4. AREAS THAT HAVE BEEN BROUGHT TO FINAL GRADE MUST BE PERMANENTLY MULCHED THE SAME DAY.
5. IN THE EVENT OF A SNOWFALL GREATER THAN 1 INCH (FRESH OR CUMULATIVE), THE SNOW SHALL BE REMOVED FROM THE AREAS DUE TO BE SEEDED AND MULCHED.
6. LOAM SHALL BE FREE OF FROZEN CLUMPS BEFORE IT IS APPLIED.
7. A DITCH THAT WILL BE CONSTRUCTED DURING THE WINTER MUST BE STABILIZED WITH RIPRAP.
8. ALL PROPOSED VEGETATIVE AREAS THAT DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE INSTALLATION OF EROSION CONTROL BLANKETS OR MULCH AND NETTING SHALL NOT OCCUR OVER ACCUMULATED SNOW OR ON FROZEN GROUND AND SHALL BE COMPLETED IN ADVANCE OF THAW OR SPRING MELT EVENTS.
9. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85 PERCENT VEGETATIVE GROWTH BY OCTOBER 15, OR WHICH ARE DISTURBED AFTER OCTOBER 15, SHALL BE STABILIZED TEMPORARILY WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
10. AFTER OCTOBER 15, INCOMPLETE ROAD OR PARKING SURFACES, WHERE WORK HAS STOPPED FOR THE WINTER SEASON, SHALL BE PROTECTED WITH A MINIMUM OF 3 INCHES OF GRAVEL PER NHDOT ITEM 304.3.
11. ALL TEMPORARY AND PERMANENT STABILIZATION REQUIREMENTS DENOTED IN ADDITIONAL PLAN NOTES SHALL BE APPLICABLE DURING WINTER CONSTRUCTION.

LANDSCAPE NOTES

(SEE DETAILS FOR ADDITIONAL NOTES)

PLANTING INTENT

THE LANDSCAPE BUFFER PLAN FOR THE PROPOSED LILAC STATE SOLAR PROJECT HAS BEEN DESIGNED TO CONFORM WITH THE TOWN OF FARMINGTON SITE PLAN REGULATIONS. THE LANDSCAPE BUFFER INCLUDES EVERGREEN AND DECIDUOUS TREES AND SHRUBS TO PROVIDE A YEAR-ROUND VISUAL SCREEN TO SCREEN THE PROPOSED PROJECT FROM THE ABUTTING HOMES.

GENERAL

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE RULES, REGULATIONS, LAWS, AND ORDINANCES HAVING JURISDICTION OVER THIS PROJECT SITE.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND NOTIFY OWNER'S REPRESENTATIVE OF CONFLICTS.
3. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON PLANS BEFORE PRICING THE WORK. ANY DIFFERENCE IN QUANTITIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION. LANDSCAPE QUANTITIES SHOWN ON THE PLAN SHALL SUPERCEDE QUANTITIES LISTED IN LANDSCAPE LEGEND.
4. THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT PRIOR TO STARTING WORK AND VERIFY THAT THE PLANS IN THE CONTRACTOR'S POSSESSION ARE THE MOST CURRENT PLANS AVAILABLE AND ARE THE APPROVED PLAN SET FOR USE IN CONSTRUCTION.
5. ALL PLANT MATERIALS INSTALLED SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA) [FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN] IN THE AMERICAN STANDARD FOR NURSERY STOCK (AS AMENDED) [ANSI Z60.1-1996].
6. ALL PLANTS SHALL BE FIRST CLASS AND SHALL BE REPRESENTATIVE OF THEIR NORMAL SPECIES AND/OR VARIETIES. ALL PLANTS MUST HAVE GOOD, HEALTHY, WELL-FORMED UPPER GROWTH AND A LARGE, FIBEROUS, COMPACT ROOT SYSTEM.
7. ALL PLANTS SHALL BE FREE FROM DISEASE AND INSECT PESTS AND SHALL COMPLY WITH ALL APPLICABLE STATE AND FEDERAL LAWS PERTAINING TO PLANT DISEASES AND INFESTATIONS.
8. ALL TREES SHALL BE BALLED AND BURLAPPED (B & B) UNLESS OTHERWISE NOTED OR APPROVED BY LANDSCAPE ARCHITECT.
9. IF APPLICABLE, THE CONTRACTOR SHALL HAVE ALL FALL TRANSPLANTING HAZARD PLANTS DUG IN THE SPRING AND STORED FOR FALL PLANTING.
10. ALL INVASIVE PLANT SPECIES FROM THE "NEW HAMPSHIRE PROHIBITED INVASIVE PLANT SPECIES LIST", TO BE REMOVED SHALL BE DONE SO IN ACCORDANCE WITH THE "INVASIVE SPECIES ACT, HB 1258-FN."

GUARANTEE

1. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL LANDSCAPE WORK FOR A PERIOD OF ONE YEAR, BEGINNING AT THE START OF THE MAINTENANCE PERIOD.

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
5/24/25

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

NOTES

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

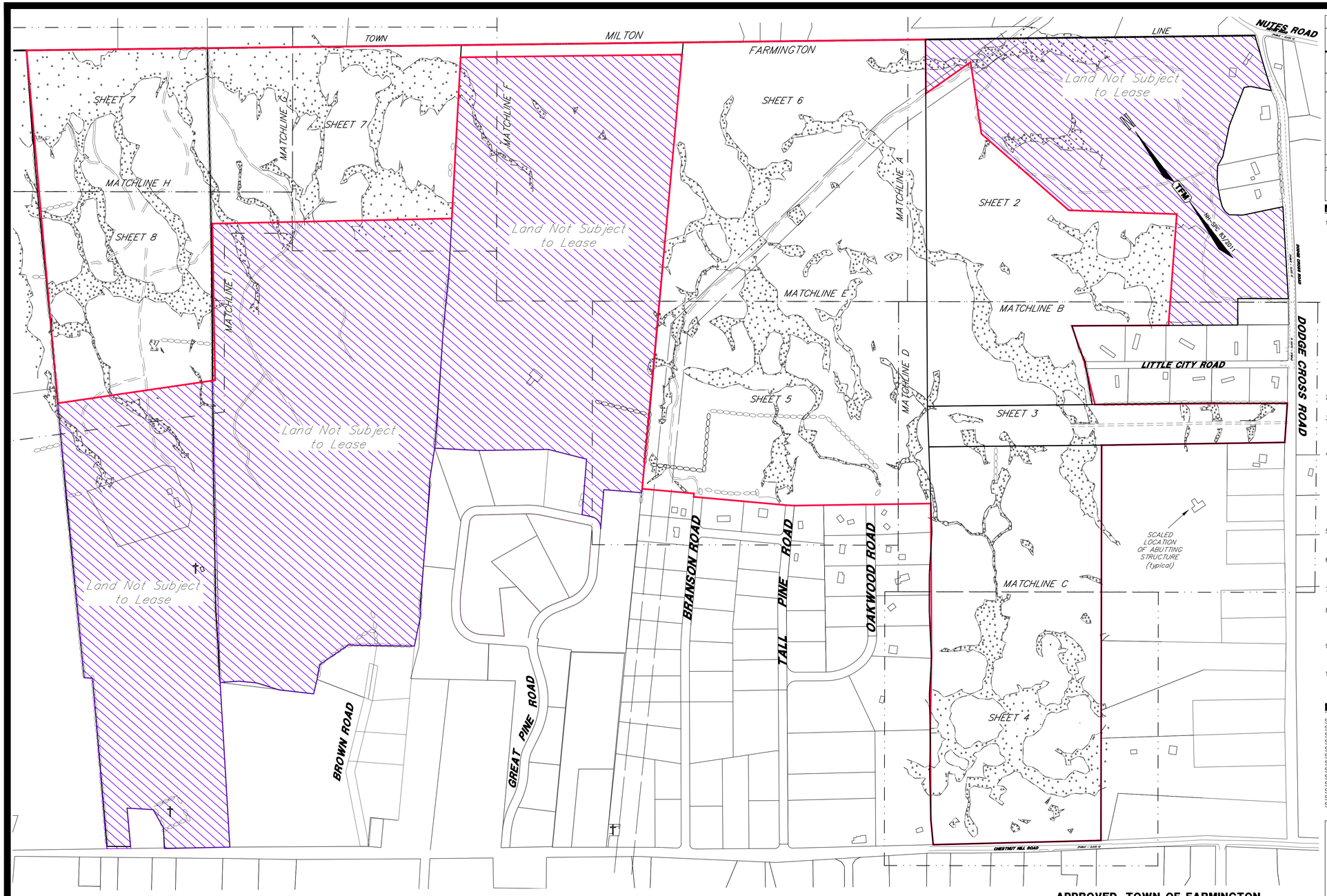
SCALE: NTS **NOVEMBER 13, 2024**

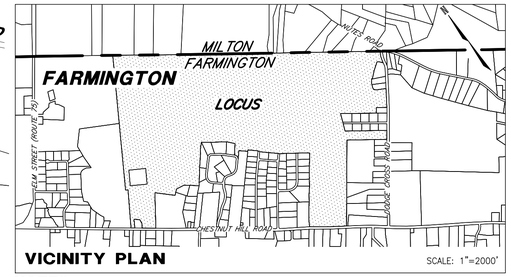
REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

TFM
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists
48 Constitution Drive
Bedford, NH 03110
Phone (603) 472-4488
Fax (603) 472-9747
www.tfmoran.com

FILE	47587-00	DR		FB	-	C-03
		CK		CADFILE	47587-00 DESIGN_COVER & DETAILS	

DIG SAFE
811 OR 1-800-344-7233
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION





VICINITY PLAN SCALE: 1"=2000'

NOTES

1. OWNERS OF RECORD:

PARCEL ID: R18-05-00
JOSEPH R. & JANET E. GRAY
36 BROWN ROAD
FARMINGTON, NH 03835
DEED REFERENCE: BK. 4347 PG. 430
AREA: 4,660,837 S.F. OR 106.998 ACRES

PARCEL ID: R17-68-00
NAME: AARON L. ALLEN
180 DODGE CROSS ROAD
FARMINGTON, NH 03835
DEED REFERENCE: BK. 2148 PG. 378
AREA: 6,212,676 S.F. OR 142.623 ACRES

PARCEL ID: R18-10-00
JONATHAN D. CARDINAL, TRUSTEE
THE JONATHAN D. CARDINAL & COURTNEY L. CARDINAL REVOCABLE LIVING TRUST
85 GREAT PINE CIRCLE
FARMINGTON, NH 03835
DEED REFERENCE: BK. 5134 PG. 831
AREA: 2,995,180 S.F. OR 68.760 ACRES

PARCEL ID: R18-03-00
RAYMOND H. & JESSICA M. WEBSTER-JONES
66 MOUNT DELIGHT ROAD
DEERFIELD, NH 03037
DEED REFERENCE: BK. 5186 PG. 402
AREA: 8,599,127 S.F. OR 197.408 ACRES

PARCEL ID: R17-33-00
GREATWOODS, LLC
58 PRISCILLA LANE
AUBURN, NH 03032
DEED REFERENCE: BK. 5080 PG. 166
AREA: 4,010,221 S.F. OR 92.032 ACRES

2. R18-003-000, R18-005-000, R18-010-000, R17-033-000, R17-068-000, R17-055-000, AND R17-057-000 INDICATES TAX MAPS AND LOT NUMBERS.

3. THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS FOR PORTIONS OF THE SUBJECT LOTS PRESENT AT THE TIME OF THE FIELD SURVEY FOR ASSESSORS MAP AND LOT NUMBERS LISTED IN NOTE 2, SITUATED ON THE NORTHEASTERLY SIDE OF CHESTNUT HILL ROAD IN THE TOWN OF FARMINGTON, NEW HAMPSHIRE AS SHOWN HEREON AND NO OTHER PURPOSE.

4. CURRENT ZONING IS RURAL RESIDENTIAL (RR)

MINIMUM LOT SIZE: 1ACRE(43560 S.F.)
MINIMUM LOT FRONTAGE: 150FT
MINIMUM FRONT BUILDING SETBACKS: 25FT
MINIMUM SIDE BUILDING SETBACKS: 15FT
MINIMUM REAR BUILDING SETBACKS: 15FT
MAXIMUM HEIGHT: RESIDENTIAL: 35FT ACCESSORY BUILDING STRUCTURES 55FT
WETLANDS CLASS 1: 100FT
CLASS 2: 50FT

5. LAND USE:

IN DEVELOPMENT:	±12,029,904 S.F.	±276.168 ACRES
NOT IN DEVELOPMENT:	±9,465,424 S.F.	±217.296 ACRES

6. EXAMINATION OF THE FLOOD INSURANCE RATE MAP FOR STRAFFORD COUNTY, NEW HAMPSHIRE (ALL JURISDICTIONS), MAP NUMBER 33017C0120D, EFFECTIVE DATE OF MAY 17, 2005, INDICATES THAT THE SUBJECT PARCELS ARE NOT LOCATED WITHIN A FLOOD HAZARD AREA.

7. HORIZONTAL DATUM: NH-NAD83/2011. VERTICAL DATUM: NAVD88. BOTH DATUMS WERE OBTAINED BY ON-SITE GPS OBSERVATIONS.

8. EASEMENTS, RIGHTS, AND RESTRICTIONS SHOWN OR IDENTIFIED ARE THOSE WHICH WERE FOUND DURING RESEARCH PERFORMED AT THE STRAFFORD COUNTY REGISTRY OF DEEDS. OTHER RIGHTS, EASEMENTS, OR RESTRICTIONS MAY EXIST WHICH A TITLE EXAMINATION OF SUBJECT PARCEL(S) MAY DETERMINE.

9. THE LOCATION OF ANY UNDERGROUND UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. TF MORAN INC. MAKES NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UNDERGROUND UTILITIES SHOWN. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 811.

10. THE LOCATIONS OF TRAILS AND LOGGING ROADS DEPICTED ON THE FOLLOWING SHEETS ARE BASED ON LIDAR DATA FROM NH GRANITE, AS WELL AS AERIAL PHOTOGRAPHY SOURCED FROM NH STONEWALL MAPPER AND GOOGLE EARTH.

REFERENCE PLANS

S.C.R.D PLAN NO. 23A-30	S.C.R.D PLAN NO. 105-45	S.C.R.D PLAN NO. 105-46
S.C.R.D PLAN NO. 36-40	S.C.R.D PLAN NO. 100-066	S.C.R.D PLAN NO. 102-031
S.C.R.D PLAN NO. 105-47	S.C.R.D PLAN NO. 102-031	S.C.R.D PLAN NO. 82-07
S.C.R.D PLAN NO. 81-88	S.C.R.D PLAN NO. 33A-150	S.C.R.D PLAN NO. 89-24
S.C.R.D PLAN NO. 37-69	S.C.R.D PLAN NO. F001-034	S.C.R.D PLAN NO. 79-52
S.C.R.D PLAN NO. 64-52	S.C.R.D PLAN NO. P003-F002-051	S.C.R.D PLAN NO. A-903
S.C.R.D PLAN NO. 60-31	S.C.R.D PLAN NO. P009-F001-12	S.C.R.D PLAN NO. A-974
S.C.R.D PLAN NO. 26-48	S.C.R.D PLAN NO. P013-F001-050	EVERSOURCE PLAN R-7660-2
S.C.R.D PLAN NO. 17D056	S.C.R.D PLAN NO. 49-35	
S.C.R.D PLAN NO. 29-04	S.C.R.D PLAN NO. 105-45	
S.C.R.D PLAN NO. 99-004	S.C.R.D PLAN NO. 45-49	
S.C.R.D PLAN NO. 96-003	S.C.R.D PLAN NO. 44-40	
S.C.R.D PLAN NO. 63-10	S.C.R.D PLAN NO. 37A-137	

R18-003-000, R18-005-000, R18-010-000, R17-033-000, R17-068-000, R17-055-000, R17-057-000

EXISTING CONDITIONS PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD
FARMINGTON, NEW HAMPSHIRE 03835

PREPARED FOR:
WALDEN RENEWABLES

SCALE: 1" = 300' **NOVEMBER 12, 2024**

811 DIGSAFE
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

WETLAND SCIENTIST CERTIFICATION:

THE WETLANDS DEPICTED ON THIS PLAN WERE DELINEATED IN APRIL AND MAY OF 2024 BY JASON R. AUBE CWS #313. THESE WETLANDS WERE DELINEATED ACCORDING TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (JANUARY 1987) AND THE REGIONAL SUPPLEMENT TO THE U.S. CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2.0 (JANUARY 2012). THE PRESENCE OF DOMINANT HYDROPHYTIC VEGETATION WAS DETERMINED USING THE NORTHCENTRAL AND NORTHEAST 2016 REGIONAL WETLAND PLANT LIST, VERSION 3.3, 2016, PUBLISHED BY THE ARMY CORPS OF ENGINEERS. HYDRIC SOILS WERE DETERMINED USING THE NH HYDRIC SOILS TECHNICAL COMMITTEE'S "FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND",VERSION 4, 2017, PUBLISHED BY THE NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION.

STATE OF NEW HAMPSHIRE
JASON R. AUBE
11/13/2024
No. 313
CERTIFIED WETLAND SCIENTIST

SURVEYOR'S CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR THOSE UNDER MY DIRECT SUPERVISION. FURTHER, THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY MADE ON THE GROUND FROM MARCH THROUGH JUNE OF 2024 BY THIS OFFICE.

I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN. (NH RSA 676:18)

Michael R Dahlberg 11-13-2024
LICENSED LAND SURVEYOR DATE

STATE OF NEW HAMPSHIRE
No. 714
MICHAEL R. DAHLBERG
LICENSED LAND SURVEYOR
Michael R Dahlberg
SIGNATURE

APPROVED: TOWN OF FARMINGTON PLANNING BAORD

CHAIR/VICE CHAIR DATE

Graphic Scale
200' 100' 0' 200' 400' 600' 800'
1" = 300'

REV.	DATE	DESCRIPTION	DR.	CK

TFM
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists
48 Constitution Drive
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Fax (603) 472-9747
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FILE	47587.00	DR	BK	FB	2228 2229 2230	SHEET 1 OF 8
		CK	XX	CADFILE	Survey Excon 100 Scale	

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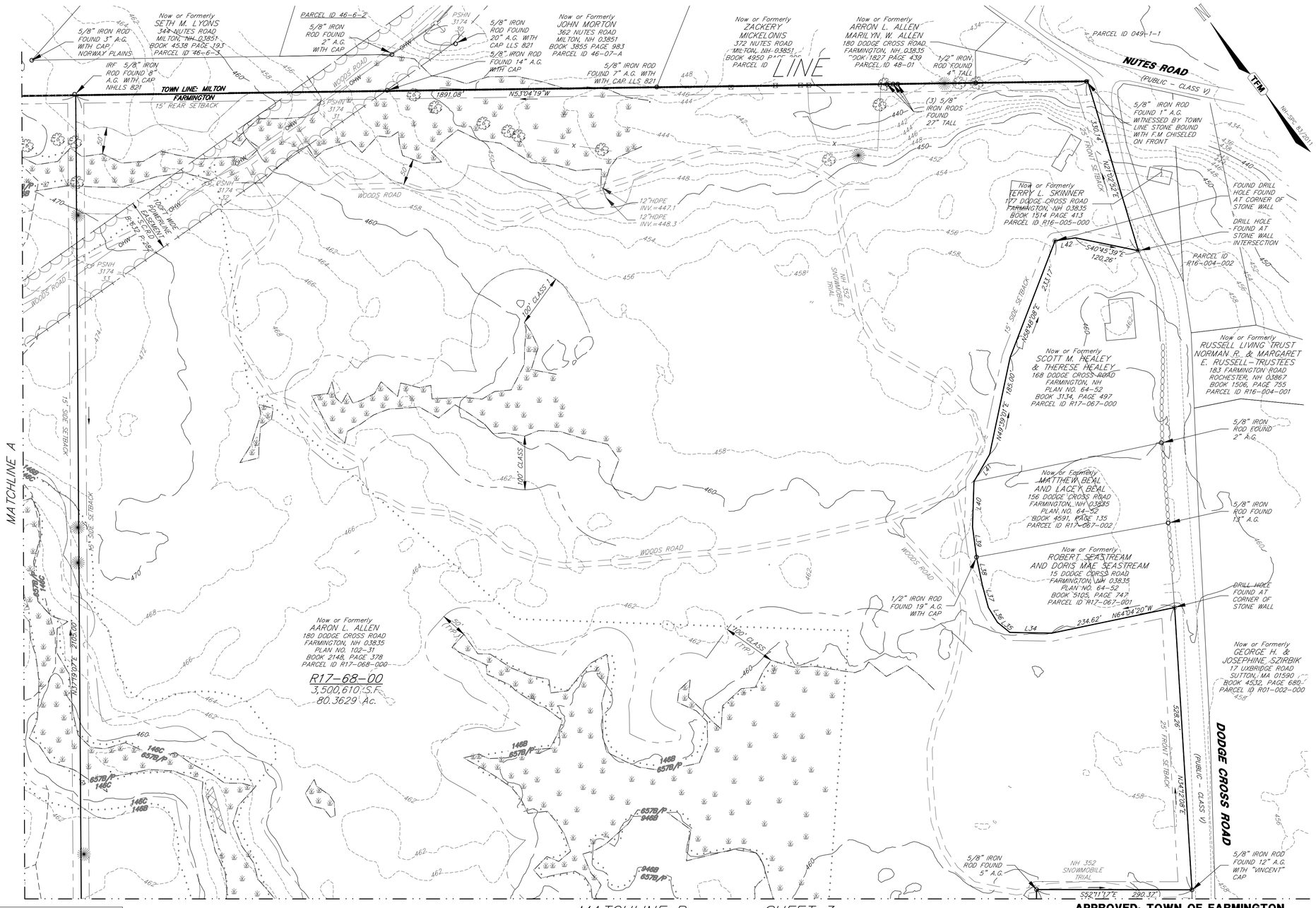

LEGEND

IRON PIPE/ROD	○	INVERT	INV=
STONE/CONCRETE BOUND	□	IRON PIPE	IP
DRILL HOLE	●	IRON ROD	IR
ANGLE IRON FOUND	○	LENGTH	L=
WATER MANHOLE	Ⓦ	BARBED WIRE	BW
WOOD/METAL POST	⊠	MISCELLANEOUS	MISC.
WATER SHUT OFF	WSO	NOW OR FORMERLY	NF
WATER VALVE	WV	RECORD BENCHMARK	BM
GUY WIRE	←	SQUARE FEET	SF
HYDRANT		ACRE	AC
LIGHT POLE	☼	OVERALL DISTANCE	~XX.XX~
MONITORING WELL	MW	GAS METER	GM
WELL	Ⓦ	ELECTRIC METER	EM
SIGN		TRANSFORMER PAD	E
UTILITY POLE		BOULDER	
UTILITY LIGHT POLE		DECIDUOUS TREE W/ BW OR BLAZE	
MAIL BOX		CONIFEROUS TREE W/ BW OR BLAZE	
DENOTES MAP AND LOT NUMBER	R18-42-011	STUMP FOUND WITH BARBED WIRE	
LAND NOT SUBJECT TO LEASE			
VERNAL POOL			
EDGE OF WETLAND			
STONEWALL			
10' TOPOGRAPHIC CONTOUR	20		
2' TOPOGRAPHIC CONTOUR	202		
S.C.S. SOILS BOUNDARY			
EDGE OF PAVEMENT			
EDGE OF GRAVEL			
TREELINE			
BARDED WIRE FENCE FOUND	x		
EDGE OF WOODS ROAD/TRAIL			
WETLAND SETBACK			
BOUNDARY SETBACK			
EASEMENT BOUNDARY			

ADDITIONAL ABUTTERS

Now or Formerly
CUNNINGHAM FAMILY REVOCABLE TRUST
GARY E. & VICTORIA CUNNINGHAM-TRUSTEES
356 NUTES ROAD
MILTON, NH 03851
BOOK 5147 PAGE 886
PARCEL ID 46-6-2

Now or Formerly
CHRISTOPHER D. & CARAL BAKER
37 CROSS ROAD
MILTON, NH 03851
BOOK 4296 PAGE 927
PARCEL ID 049-1-1

SOIL PHASE LEGEND (PERCENT)

B	C	D
0-8	9-15	16-25

SOIL LEGEND (PER SITE SPECIFIC SOIL SURVEY)

SYMBOL	DESCRIPTION	M	DRAINAGE CLASS
49/VP	WHITMAN	D	VERY POOR
111	GLOUCESTER	A	EXCESSIVELY WELL
146	ACTON	B	MODERATELY WELL
147	ACTON, STONY	B	MODERATELY WELL
657/P	RIDGEBURY	C	POOR
946	RIDGEBURY	C	SOMEWHAT POORLY

SOILS CERTIFICATION

THE SITE SPECIFIC SOIL MAPPING WAS PERFORMED ON SEPTEMBER 23, 2024 BY BRUCE A. GILDAY, CERTIFIED SOIL SCIENTIST #012, OF BAG LAND CONSULTANTS, IN CONCORD, NH. THIS MAPPING WAS PERFORMED ACCORDING TO THE STANDARDS OF THE "SITE-SPECIFIC SOIL MAPPING STANDARDS FOR NEW HAMPSHIRE AND VERMONT," VERSION 7.0, JULY 2021. THESE STANDARDS ARE PUBLISHED BY THE SOCIETY OF SOIL SCIENTISTS OF NORTHERN NEW ENGLAND (SSSNNE).

Bruce A. Gilday
Certified Soil Scientist

STATE OF NEW HAMPSHIRE BRUCE A. GILDAY No. 012 CERTIFIED SOIL SCIENTIST

DIG ME NH RI VT
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811 DIGSAFE
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

WETLAND SCIENTIST CERTIFICATION:

THE WETLANDS DEPICTED ON THIS PLAN WERE DELINEATED IN APRIL AND MAY OF 2024 BY JASON R. AUBE CWS #313. THESE WETLANDS WERE DELINEATED ACCORDING TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (JANUARY 1987) AND THE REGIONAL SUPPLEMENT TO THE U.S. CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2.0 (JANUARY 2012). THE PRESENCE OF DOMINANT HYDROPHYTIC VEGETATION WAS DETERMINED USING THE NORTHCENTRAL AND NORTHEAST 2016 REGIONAL WETLAND PLANT LIST, VERSION 3.3, 2016, PUBLISHED BY THE ARMY CORPS OF ENGINEERS. HYDRIC SOILS WERE DETERMINED USING THE NH HYDRIC SOILS TECHNICAL COMMITTEE'S "FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND",VERSION 4, 2017, PUBLISHED BY THE NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION.

STATE OF NEW HAMPSHIRE JASON R. AUBE 11/13/2024 No. 313 CERTIFIED WETLAND SCIENTIST

SURVEYOR'S CERTIFICATION

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Michael R Dahlberg — 11-13-2024
LICENSED LAND SURVEYOR — DATE

STATE OF NEW HAMPSHIRE No. 714 MICHAEL R. DAHLBERG LICENSED LAND SURVEYOR SIGNATURE

APPROVED: TOWN OF FARMINGTON PLANNING BAORD

CHAIR/VICE CHAIR — DATE

Graphic Scale
100' 50' 0' 100' 200' 300' 400'
1" = 100'

REV.	DATE	DESCRIPTION	DR	CK

R18-003-000, R18-005-000, R18-010-000, R17-033-000, R17-068-000, R17-055-000, R17-057-000

EXISTING CONDITIONS PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD
FARMINGTON, NEW HAMPSHIRE 03835

PREPARED FOR:
WALDEN RENEWABLES

SCALE: 1" = 300' — **NOVEMBER 12, 2024**

TFM
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists
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FILE	DR	CK	FB	CADFILE
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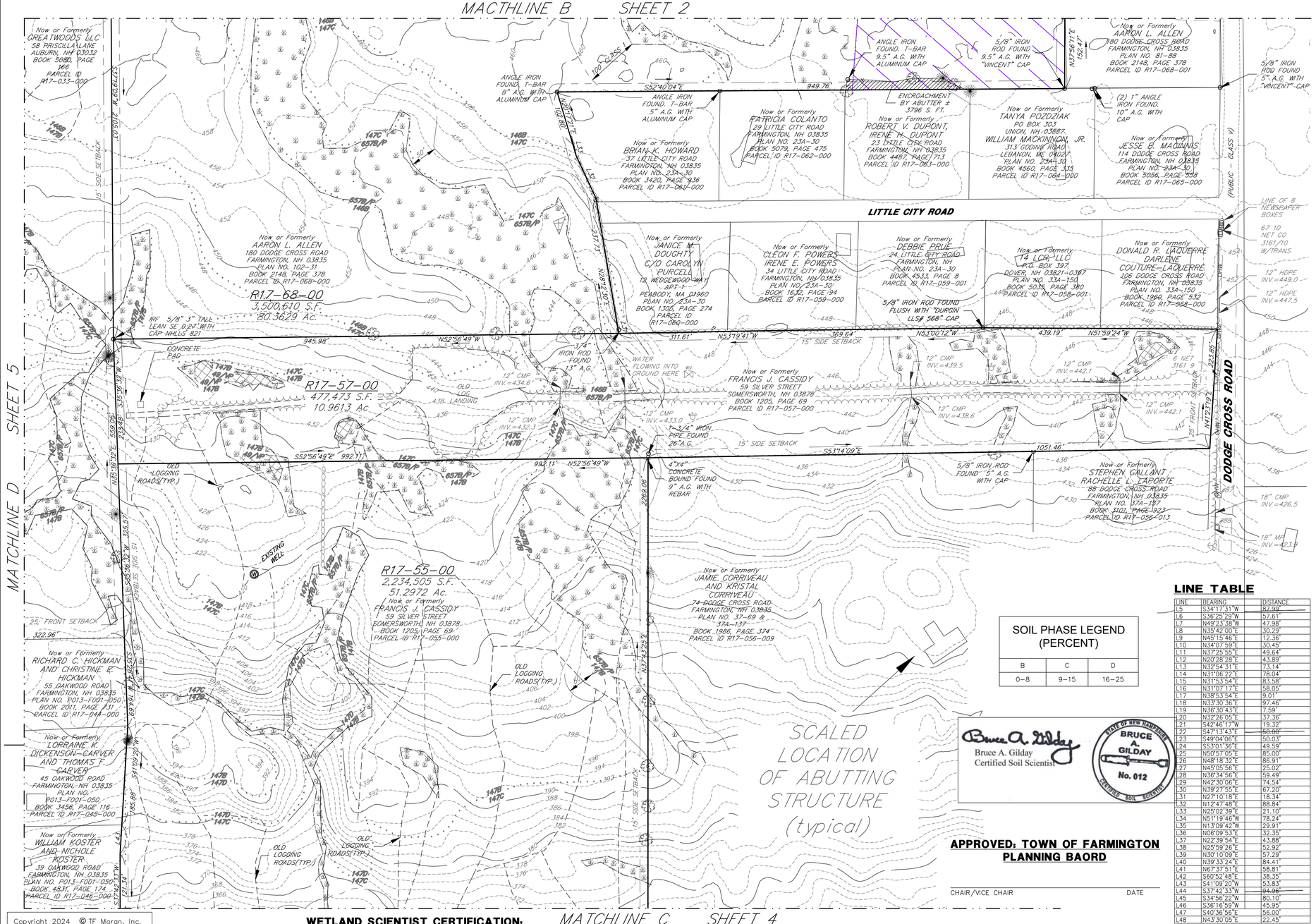

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IRON PIPE	IP
IRON ROD	IR
LENGTH	L=
BARBED WIRE	BW
MISCELLANEOUS	MISC.
NOW OR FORMERLY	NF
RECORD BENCHMARK	BM
GAS METER	⧗ GM
ELECTRIC METER	▭ EM
TRANSFORMER PAD	E
IRON PIPE/ROD	◎
STONE/CONCRETE BOUND	⊡
DRILL HOLE	◉
ANGLE IRON FOUND	◎
WATER MANHOLE	Ⓦ
WATER SHUT OFF	WSO
WATER VALVE	WV ⋈
GUY WIRE	⟜
HYDRANT	HYD
LIGHT POLE	☼
MONITORING WELL	MW ○
WELL	Ⓦ
SIGN	○
UTILITY POLE	○
UTILITY LIGHT POLE	□○
MAIL BOX	⌂
DENOTES MAP AND LOT NUMBER	R18-42-011
LAND NOT SUBJECT TO LEASE	▨
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EDGE OF WETLAND	
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10' TOPOGRAPHIC CONTOUR	200
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S.C.S. SOILS BOUNDARY	• • • • • •
EDGE OF PAVEMENT	
EDGE OF GRAVEL	
TREELINE	
BARDED WIRE FENCE FOUND	x
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WETLAND SETBACK	
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SOIL PHASE LEGEND (PERCENT)

B	C	D
0–8	9–15	16–25

LINE TABLE

LINE	BEARING	DISTANCE
L5	S34°17'31"W	87.99'
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L11	N37°25'55"E	49.64'
L12	N20°28'28"E	43.89'
L13	N32°54'31"E	73.14'
L14	N31°06'22"E	78.04'
L15	N31°53'54"E	83.58'
L16	N31°07'17"E	58.05'
L17	N38°53'54"E	9.01'
L18	N33°30'36"E	97.46'
L19	N36°30'43"E	7.59'
L20	N32°26'05"E	37.36'
L21	S42°46'17"W	19.32'
L22	S47°13'43"E	50.00'
L23	S49°04'06"E	50.03'
L24	S53°01'36"E	49.59'
L25	N50°57'05"E	85.00'
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L27	N45°05'56"E	25.02'
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L40	N39°33'24"E	84.41'
L41	N67°37'51"E	58.81'
L42	S60°52'48"E	38.35'
L43	S41°09'20"W	53.83'
L44	S37°42'33"W	94.96'
L45	S34°56'22"W	80.10'
L46	S36°16'59"W	45.95'
L47	S40°36'56"E	56.00'
L48	N43°30'05"E	22.45'

Bruce A. Gilday
Bruce A. Gilday
Certified Soil Scientist

BRUCE A. GILDAY
No. 012

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APPROVED: TOWN OF FARMINGTON PLANNING BAORD

CHAIR/VICE CHAIR DATE

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JASON R. AUBE
11/13/2024
No. 313

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(NH RSA 676:18)

Michael R Dahlberg 11-13-2024
LICENSED LAND SURVEYOR DATE

No. 714
MICHAEL R. DAHLBERG
Michael R Dahlberg
SIGNATURE

Graphic Scale
100' 50' 0' 100' 200' 300' 400'
1" = 100'

REV.	DATE	DESCRIPTION	DR	CK

This plan is not effective unless signed by a duly authorized officer of TF Moran, Inc.

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811 DIGSAFE
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

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EXISTING CONDITIONS PLAN
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CHESTNUT HILL ROAD
FARMINGTON, NEW HAMPSHIRE 03835

PREPARED FOR:
WALDEN RENEWABLES

SCALE: 1" = 100' **NOVEMBER 12, 2024**

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SHEET 3 OF 8

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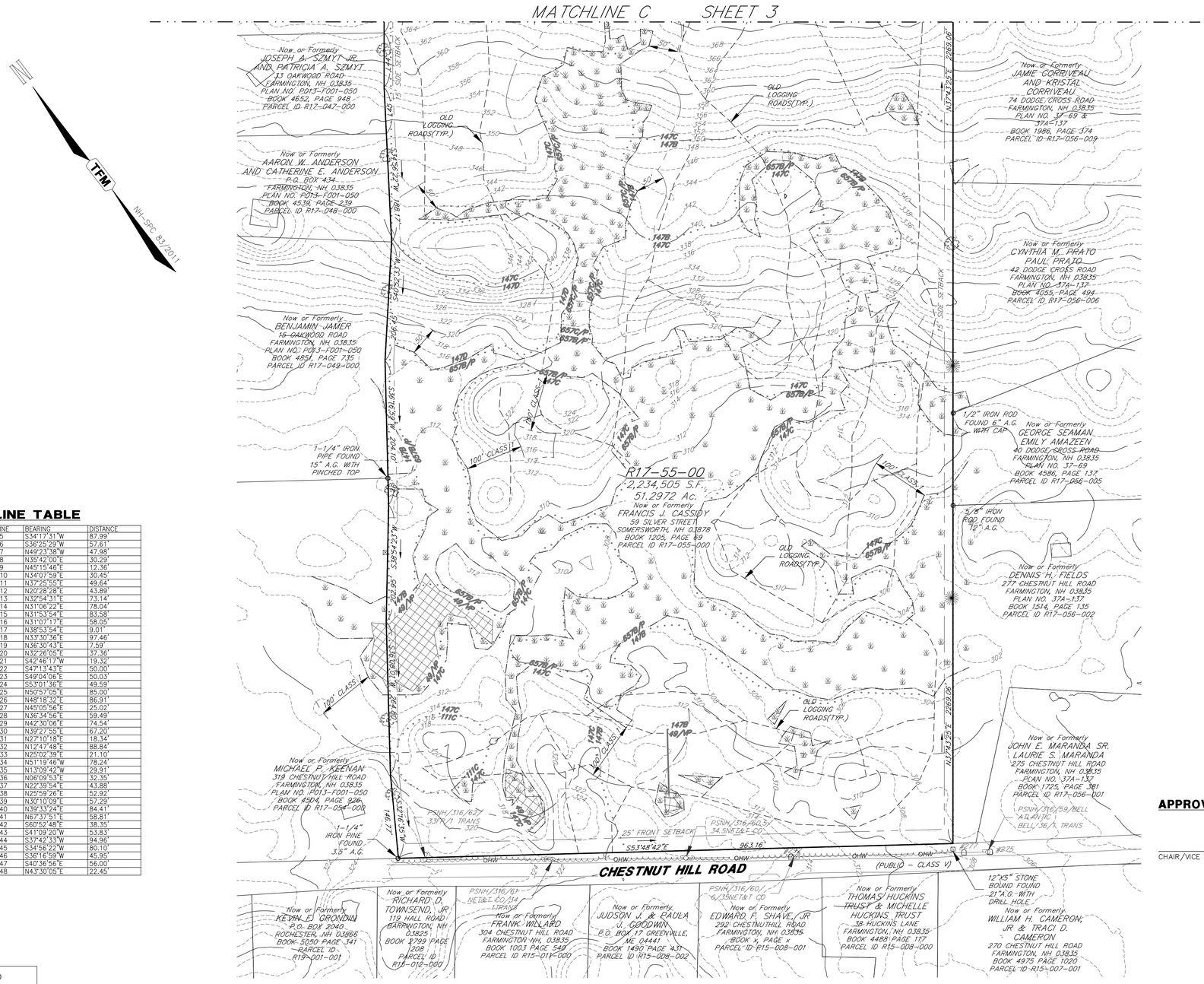

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Bruce A. Gilday
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PREPARED FOR:
WALDEN RENEWABLES

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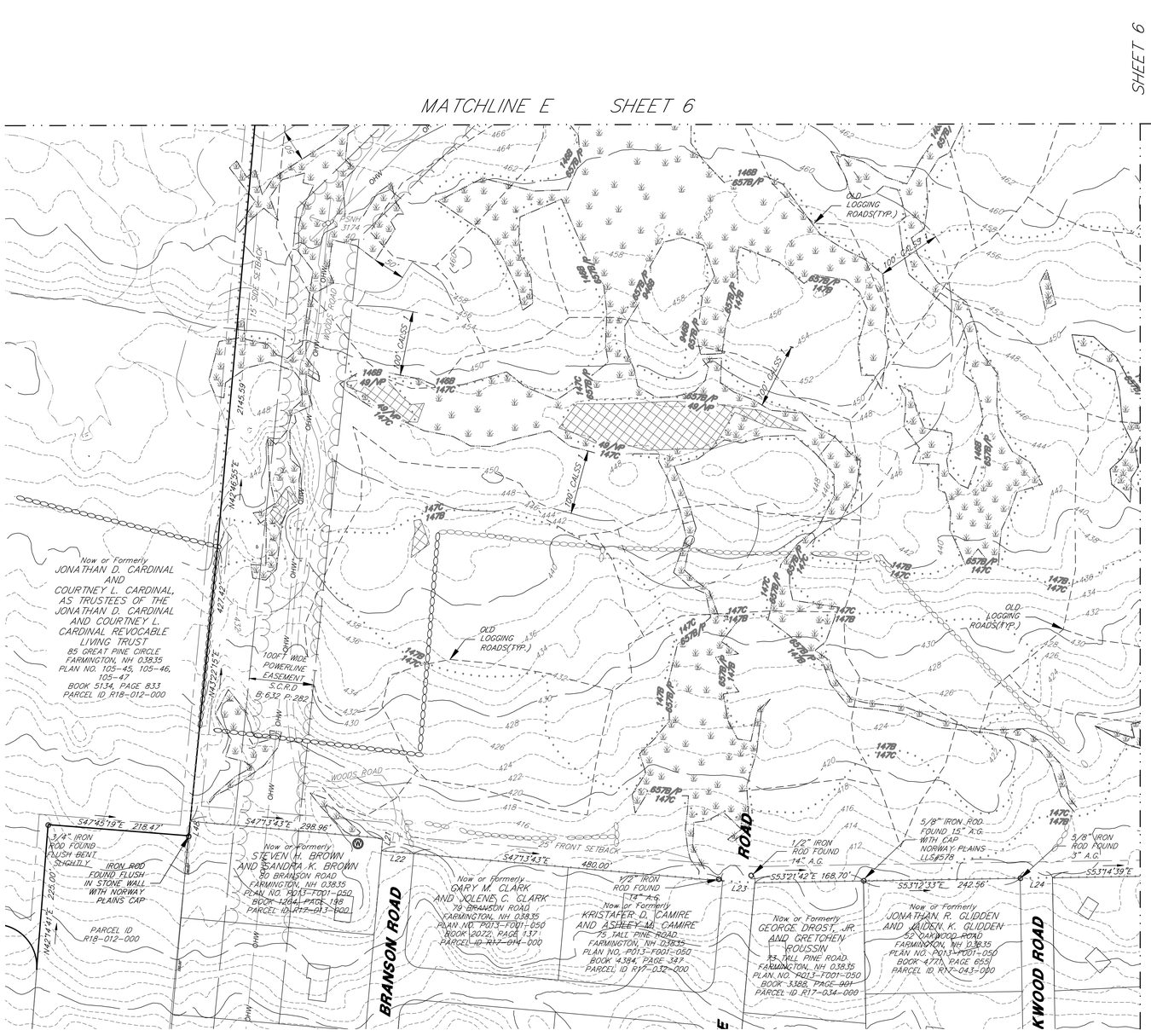

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GUY WIRE	⟵	SQUARE FEET	SF
HYDRANT		ACRE	AC
LIGHT POLE	☼	OVERALL DISTANCE	~2026.17~
MONITORING WELL	MW	GAS METER	
WELL	Ⓦ	ELECTRIC METER	
SIGN		TRANSFORMER PAD	E
UTILITY POLE		BOULDER	
UTILITY LIGHT POLE		DECIDUOUS TREE W/ BW OR BLAZE	
MAIL BOX		CONIFEROUS TREE W/ BW OR BLAZE	
DENOTES MAP AND LOT NUMBER	R18-42-011	STUMP FOUND WITH BARBED WIRE	
UNDEVELOPED AREAS			
VERNAL POOL			
EDGE OF WETLAND			
STONEWALL			
10' TOPOGRAPHIC CONTOUR	200		
2' TOPOGRAPHIC CONTOUR	202		
S.C.S. SOILS BOUNDARY			
EDGE OF PAVEMENT			
EDGE OF GRAVEL			
TREELINE			
BARDED WIRE FENCE FOUND	x		
EDGE OF WOODS ROAD/TRAIL			
WETLAND SETBACK			
BOUNDARY SETBACK			
EASEMENT BOUNDARY			

TFM
NH-SPC 83/2011

LINE TABLE

LINE	BEARING	DISTANCE
L5	S34°17'51"W	87.99'
L6	S36°25'29"W	57.61'
L7	N49°23'38"W	47.98'
L8	N35°42'00"E	30.29'
L9	N45°19'46"E	12.36'
L10	N34°07'59"E	30.45'
L11	N37°25'55"E	49.64'
L12	N20°28'28"E	43.89'
L13	N32°54'31"E	73.14'
L14	N31°06'22"E	78.04'
L15	N31°53'54"E	83.58'
L16	N31°07'17"E	58.05'
L17	N38°53'54"E	9.01'
L18	N33°30'36"E	97.46'
L19	N36°30'43"E	7.59'
L20	N32°26'05"E	37.36'
L21	S42°46'17"W	19.32'
L22	S47°13'43"E	50.00'
L23	S49°04'06"E	50.03'
L24	S53°01'36"E	49.59'
L25	N50°57'05"E	85.00'
L26	N48°18'32"E	86.91'
L27	N45°05'56"E	25.02'
L28	N36°34'56"E	59.49'
L29	N42°30'06"E	74.54'
L30	N39°27'55"E	67.20'
L31	N27°10'18"E	18.34'
L32	N12°47'48"E	88.84'
L33	N25°02'39"E	21.10'
L34	N51°19'46"W	78.24'
L35	N13°09'42"W	29.91'
L36	N06°09'53"E	32.35'
L37	N22°39'54"E	43.88'
L38	N25°59'26"E	52.92'
L39	N30°10'09"E	57.29'
L40	N39°33'24"E	84.41'
L41	N67°37'51"E	58.81'
L42	S60°52'48"E	38.35'
L43	S41°09'20"W	53.83'
L44	S37°42'33"W	94.96'
L45	S34°56'22"W	80.10'
L46	S36°16'59"W	45.95'
L47	S40°36'56"E	56.00'
L48	N43°30'05"E	22.45'

SOIL PHASE LEGEND (PERCENT)

B	C	D
0-8	9-15	16-25

SOIL LEGEND (PER SITE SPECIFIC SOIL SURVEY)

SYMBOL	DESCRIPTION	M	DRAINAGE CLASS
49/VP	WHITMAN	D	VERY POOR
111	GLOUCESTER	A	EXCESSIVELY WELL
146	ACTON	B	MODERATELY WELL
147	ACTON, STONY	B	MODERATELY WELL
657/P	RIDGEBURY	C	POOR
946	RIDGEBURY	C	SOMEWHAT POORLY

SOILS CERTIFICATION

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Bruce A. Gilday
Bruce A. Gilday
Certified Soil Scientist

STATE OF NEW HAMPSHIRE
BRUCE A. GILDAY
No. 012
CERTIFIED SOIL SCIENTIST

811 DIGSAFE
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

WETLAND SCIENTIST CERTIFICATION:

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STATE OF NEW HAMPSHIRE
JASON R. AUBE
11/13/2024
No. 313
CERTIFIED WETLAND SCIENTIST

SURVEYOR'S CERTIFICATION

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Michael R. Dahlberg
LICENSED LAND SURVEYOR — 11-13-2024 DATE

STATE OF NEW HAMPSHIRE
No. 714
MICHAEL R. DAHLBERG
LICENSED LAND SURVEYOR
Michael R. Dahlberg
SIGNATURE

APPROVED: TOWN OF FARMINGTON PLANNING BAORD

CHAIR/VICE CHAIR — DATE

Graphic Scale
100' 50' 0' 100' 200' 300' 400'
1" = 100'

REV.	DATE	DESCRIPTION

R18-003-000, R18-005-000, R18-010-000, R17-033-000, R17-068-000, R17-055-000, R17-057-000

EXISTING CONDITIONS PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD
FARMINGTON, NEW HAMPSHIRE 03835

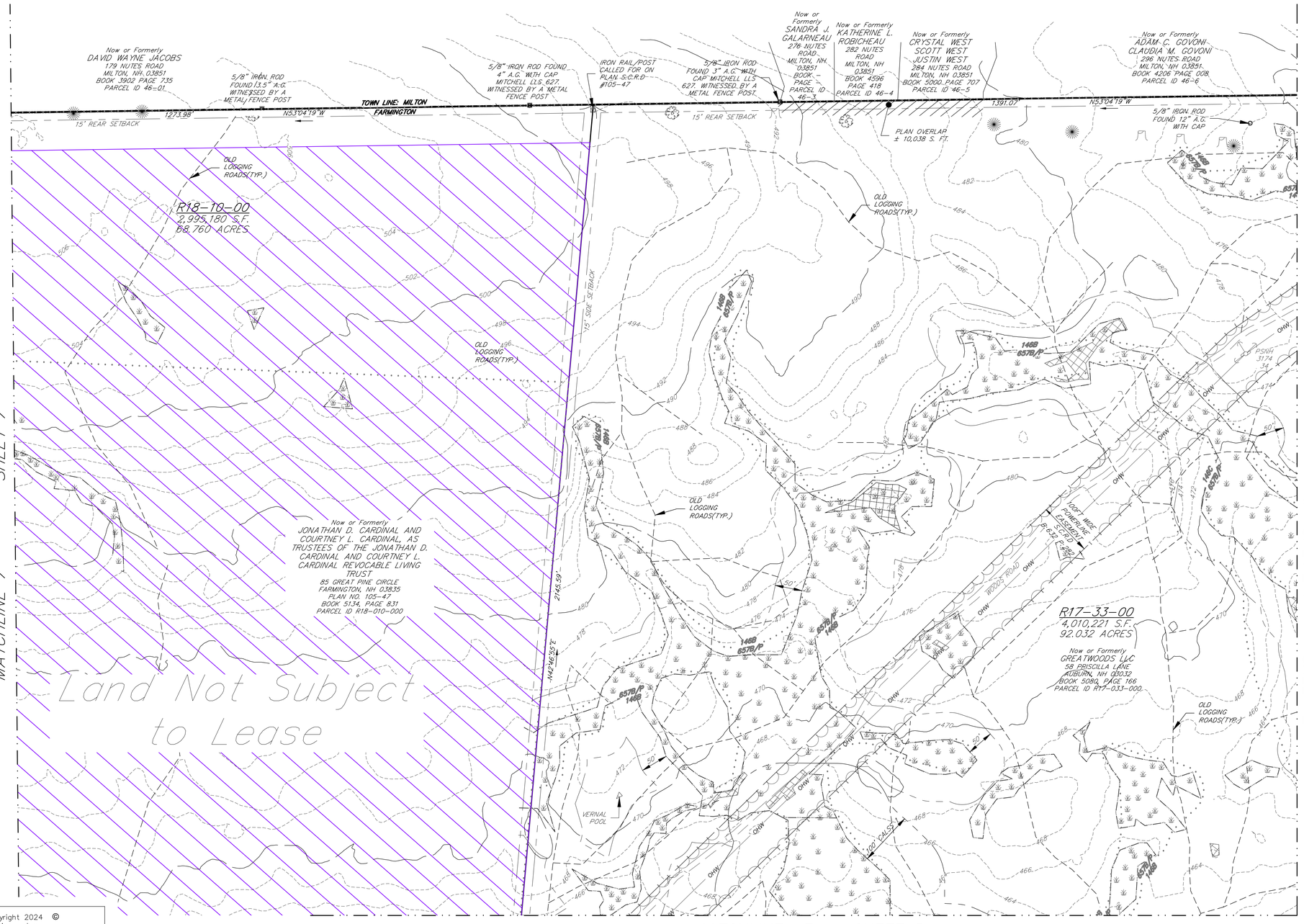
PREPARED FOR:
WALDEN RENEWABLES

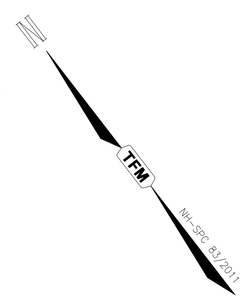
SCALE: 1" = 100' **NOVEMBER 12, 2024**

TFM
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists
48 Constitution Drive
Bedford, NH 03110
Phone (603) 472-4488
Fax (603) 472-9747
www.tfmoran.com

FILE	47587.00	DR	XX	FB	2228 2229 2230	SHEET 5 OF 8
		CK	XX	CADFILE	Survey Excon 100 Scale	

Nov 13, 2024 - 9:20am
F:\TFM Projects\47587 Nutes Rd - Farmington, NH\Carlson Survey\Dwgs\47587-00 Survey Existing Conditions 100 Scale.dwg





LEGEND

- IRON PIPE/ROD
- STONE/CONCRETE BOUND
- DRILL HOLE
- ANGLE IRON FOUND
- WATER MANHOLE
- WOOD/METAL POST
- WATER SHUT OFF
- WATER VALVE
- GUY WIRE
- HYDRANT
- DENOTES MAP AND LOT NUMBER R18-42-011
- VERNAL POOL
- EDGE OF WETLAND
- STONEWALL
- 10' TOPOGRAPHIC CONTOUR 200
- 2' TOPOGRAPHIC CONTOUR 202
- S.C.S. SOILS BOUNDARY
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- EDGE OF GRAVEL
- TREELINE
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- WETLAND SETBACK
- BOUNDARY SETBACK
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SOIL PHASE LEGEND (PERCENT)		
B	C	D
0-8	9-15	16-25

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Certified Soil Scientist

STATE OF NEW HAMPSHIRE
BRUCE A. GILDAY
No. 012
CERTIFIED SOIL SCIENTIST

APPROVED: TOWN OF FARMINGTON PLANNING BAORD

CHAIR/VICE CHAIR DATE

NH NE NH RI VT
CALL 811 TILL THEN
811 DIGSAFE
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

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Michael R Dahlberg 11-13-2024
LICENSED LAND SURVEYOR DATE

STATE OF NEW HAMPSHIRE
No. 714
MICHAEL R. DAHLBERG
LICENSED LAND SURVEYOR
SIGNATURE

Graphic Scale
100' 50' 0' 100' 200' 300' 400'
1" = 100'

REV.	DATE	DESCRIPTION	DR	CK

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EXISTING CONDITIONS PLAN

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CHESTNUT HILL ROAD
FARMINGTON, NEW HAMPSHIRE 03835

PREPARED FOR:
WALDEN RENEWABLES

SCALE: 1" = 100' **NOVEMBER 12, 2024**

TFM
Civil Engineers
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Traffic Engineers
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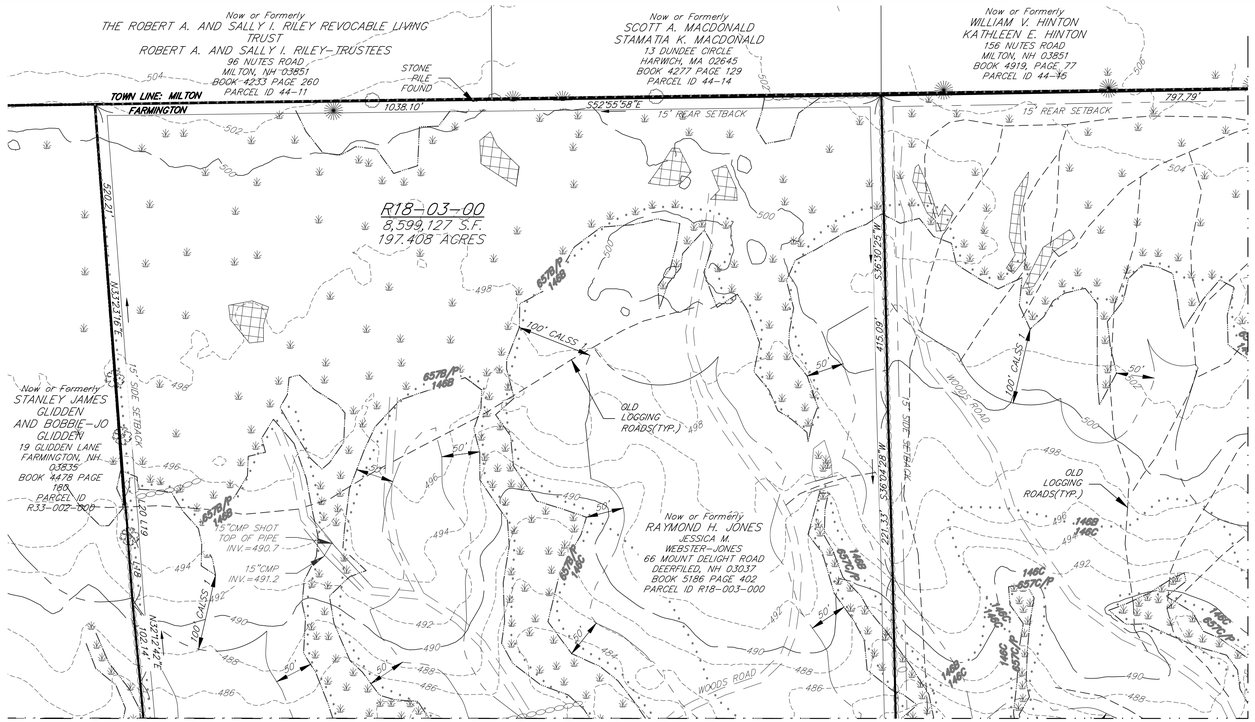

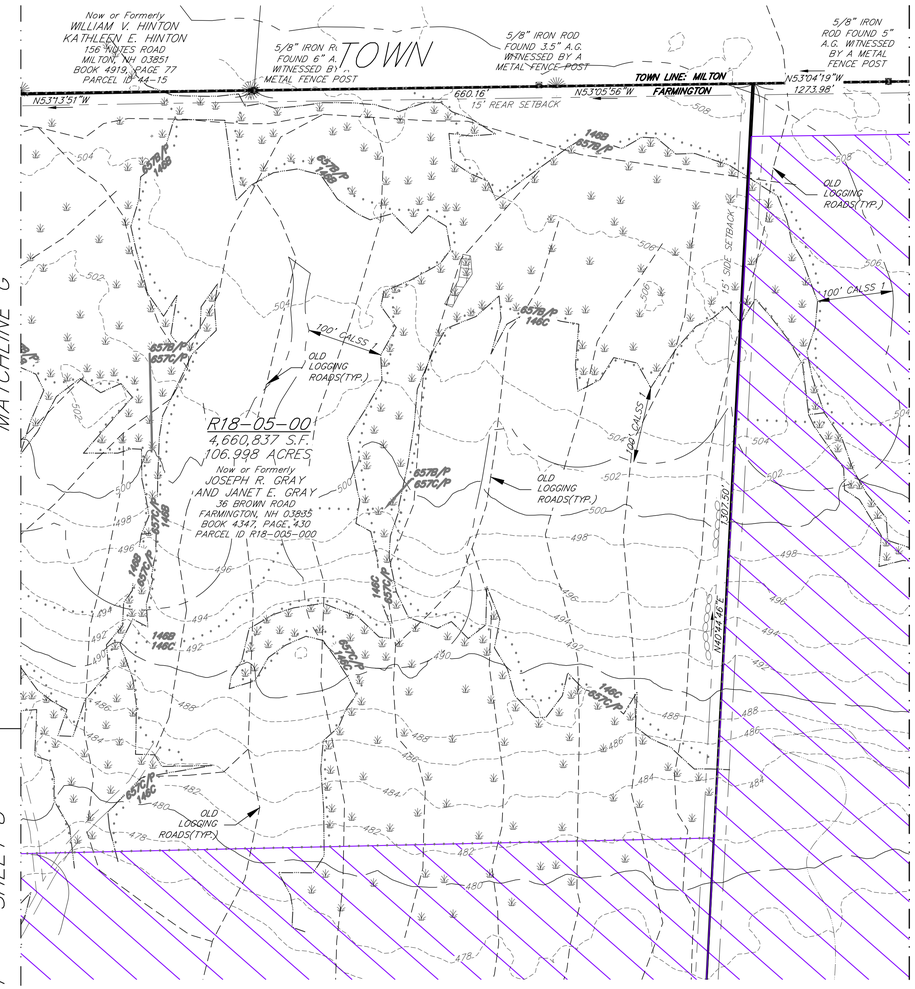

SOIL PHASE LEGEND (PERCENT)		
B	C	D
0–8	9–15	16–25

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LEGEND

IRON PIPE/ROD	○	INVERT	INV=
STONE/CONCRETE BOUND	□	IRON PIPE	IP
DRILL HOLE	◉	IRON ROD	IR
ANGLE IRON FOUND	○	LENGTH	L=
WATER MANHOLE	Ⓦ	BARBED WIRE	BW
WOOD/METAL POST	⊠	MISCELLANEOUS	MISC.
WATER SHUT OFF	WSO	NOW OR FORMERLY	NF
WATER VALVE	WV	RECORD BENCHMARK	BM
GUY WIRE	←	SQUARE FEET	SF
HYDRANT		ACRE	AC
LIGHT POLE		OVERALL DISTANCE	~XX.XX~
MONITORING WELL	MW	GAS METER	
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SIGN		TRANSFORMER PAD	E
UTILITY POLE		BOULDER	
UTILITY LIGHT POLE		DECIDUOUS TREE W/ BW OR BLAZE	
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DENOTES MAP AND LOT NUMBER	R18–42–011	STUMP FOUND WITH BARBED WIRE	
LAND NOT SUBJECT TO LEASE		EDGE OF GRAVEL	
VERNAL POOL		TREELINE	
EDGE OF WETLAND		BARDED WIRE FENCE FOUND	X
STONEWALL		EDGE OF WOODS ROAD/TRAIL	
10' TOPOGRAPHIC CONTOUR	200	WETLAND SETBACK	
2' TOPOGRAPHIC CONTOUR	202	BOUNDARY SETBACK	
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		EDGE OF PAVEMENT	

LINE TABLE

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MATCHLINE H
SHEET 8

TFM
NH–SPC 83/2011

APPROVED: TOWN OF FARMINGTON PLANNING BAORD

CHAIR/VICE CHAIR DATE

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Michael R Dahlberg 11–13–2024
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PREPARED FOR:
WALDEN RENEWABLES

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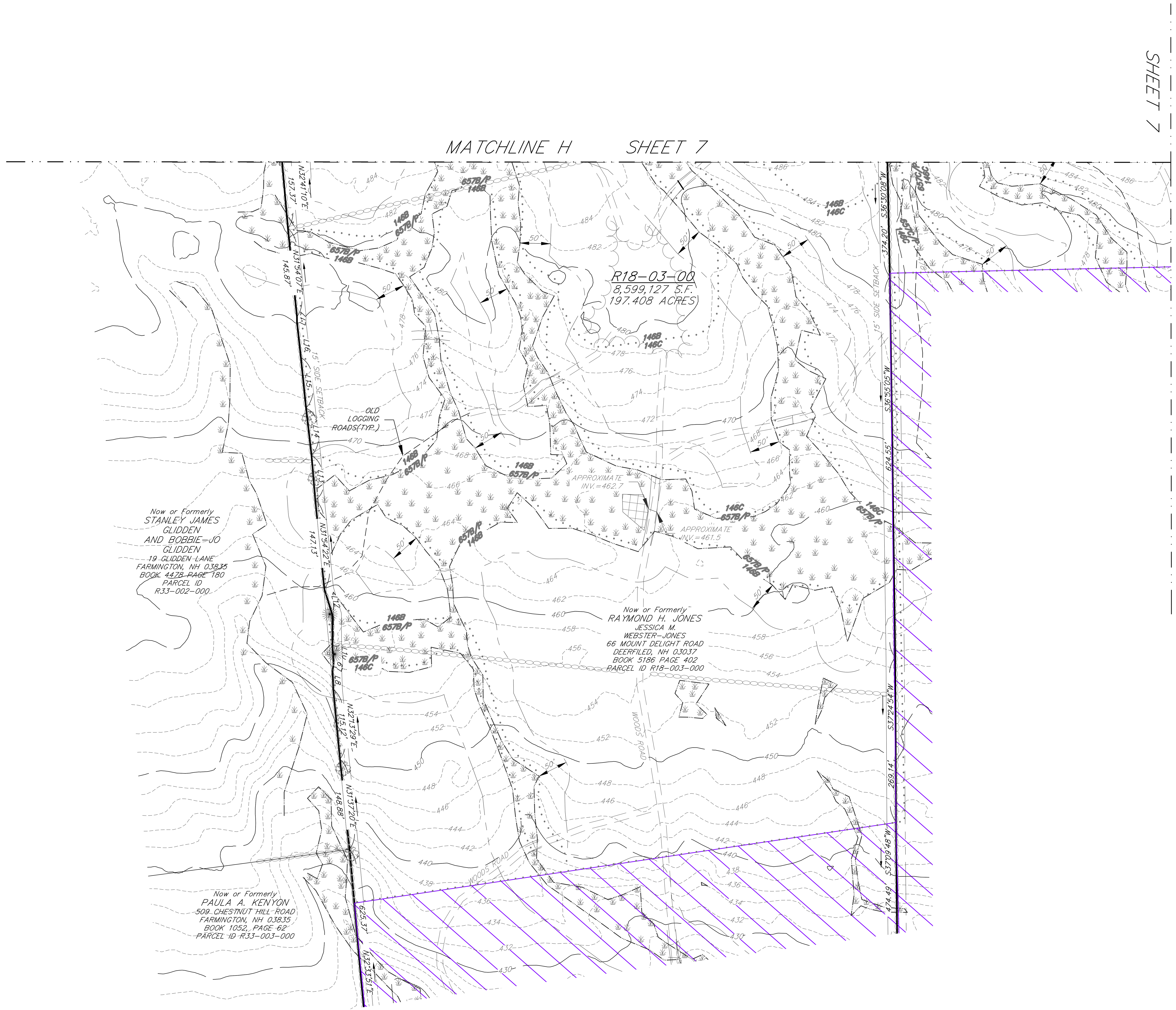

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L12	N20°28'28"E	43.89'
L13	N32°54'31"E	73.14'
L14	N31°06'22"E	78.04'
L15	N31°53'54"E	83.58'
L16	N31°07'17"E	58.05'
L17	N38°53'54"E	9.01'
L18	N33°30'36"E	97.46'
L19	N36°30'43"E	7.59'
L20	N32°26'05"E	37.36'
L21	S42°46'17"W	19.32'
L22	S47°13'43"E	50.00'
L23	S49°04'06"E	50.03'
L24	S53°01'36"E	49.59'
L25	N50°57'05"E	85.00'
L26	N48°18'32"E	86.91'
L27	N45°05'56"E	25.02'
L28	N36°34'56"E	59.49'
L29	N42°30'06"E	74.54'
L30	N39°27'55"E	67.20'
L31	N27°10'18"E	18.34'
L32	N12°47'48"E	88.84'
L33	N25°02'39"E	21.10'
L34	N51°19'46"W	78.24'
L35	N13°09'42"W	29.91'
L36	N06°09'53"E	32.35'
L37	N22°39'54"E	43.88'
L38	N25°59'26"E	52.92'
L39	N30°10'09"E	57.29'
L40	N39°33'24"E	84.41'
L41	N67°37'51"E	58.81'
L42	S60°52'48"E	38.35'
L43	S41°09'20"W	53.83'
L44	S37°42'33"W	94.96'
L45	S34°56'22"W	80.10'
L46	S36°16'59"W	45.95'
L47	S40°36'56"E	56.00'
L48	N43°30'05"E	22.45'

SOIL LEGEND (PER SITE SPECIFIC SOIL SURVEY)			
SYMBOL	DESCRIPTION	M	DRAINAGE CLASS
49/VP	WHITMAN	D	VERY POOR
111	GLOUCESTER	A	EXCESSIVELY WELL
146	ACTON	B	MODERATELY WELL
147	ACTON, STONY	B	MODERATELY WELL
657/P	RIDGEBURY	C	POOR
946	RIDGEBURY	C	SOMEWHAT POORLY

SOILS CERTIFICATION

THE SITE SPECIFIC SOIL MAPPING WAS PERFORMED ON SEPTEMBER 23, 2024 BY BRUCE A. GILDAY, CERTIFIED SOIL SCIENTIST #012, OF BAG LAND CONSULTANTS, IN CONCORD, NH. THIS MAPPING WAS PERFORMED ACCORDING TO THE STANDARDS OF THE "SITE-SPECIFIC SOIL MAPPING STANDARDS FOR NEW HAMPSHIRE AND VERMONT," VERSION 7.0, JULY 2021. THESE STANDARDS ARE PUBLISHED BY THE SOCIETY OF SOIL SCIENTISTS OF NORTHERN NEW ENGLAND (SSSNNE).

Graphic Scale

100' 50' 0' 100' 200' 300' 400'

1" = 100'

APPROVED: TOWN OF FARMINGTON PLANNING BAORD

CHAIR/VICE CHAIR DATE

Bruce A. Gilday
Certified Soil Scientist

STATE OF NEW HAMPSHIRE BRUCE A. GILDAY No. 012 CERTIFIED SOIL SCIENTIST

R18-003-000, R18-005-000, R18-010-000, R17-033-000, R17-068-000, R17-055-000, R17-057-000

EXISTING CONDITIONS PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD
FARMINGTON, NEW HAMPSHIRE 03835

PREPARED FOR:
WALDEN RENEWABLES

SCALE: 1" = 100' **NOVEMBER 12, 2024**

TFM
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists
48 Constitution Drive
Bedford, NH 03110
Phone (603) 472-4488
Fax (603) 472-9747
www.tfmoran.com

REV.	DATE	DESCRIPTION	DR	CK

FILE	DR	BK	FB	2228 2229 2230	SHEET 8 OF 8
47587.00	CK	XX	CADFILE	Survey Excon 100 Scale	

MA ME NH RI VT
CALL 811 TOLL FREE
811 DIGSAFE
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

WETLAND SCIENTIST CERTIFICATION:

THE WETLANDS DEPICTED ON THIS PLAN WERE DELINEATED IN APRIL AND MAY OF 2024 BY JASON R. AUBE CWS #313. THESE WETLANDS WERE DELINEATED ACCORDING TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL (JANUARY 1987) AND THE REGIONAL SUPPLEMENT TO THE U.S. CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHCENTRAL AND NORTHEAST REGION, VERSION 2.0 (JANUARY 2012). THE PRESENCE OF DOMINANT HYDROPHYTIC VEGETATION WAS DETERMINED USING THE NORTHCENTRAL AND NORTHEAST 2016 REGIONAL WETLAND PLANT LIST, VERSION 3.3, 2016, PUBLISHED BY THE ARMY CORPS OF ENGINEERS. HYDRIC SOILS WERE DETERMINED USING THE NH HYDRIC SOILS TECHNICAL COMMITTEE'S "FIELD INDICATORS FOR IDENTIFYING HYDRIC SOILS IN NEW ENGLAND",VERSION 4, 2017, PUBLISHED BY THE NEW ENGLAND INTERSTATE WATER POLLUTION CONTROL COMMISSION.

STATE OF NEW HAMPSHIRE JASON R. AUBE No. 313 CERTIFIED WETLAND SCIENTIST 11/13/2024

SURVEYOR'S CERTIFICATION

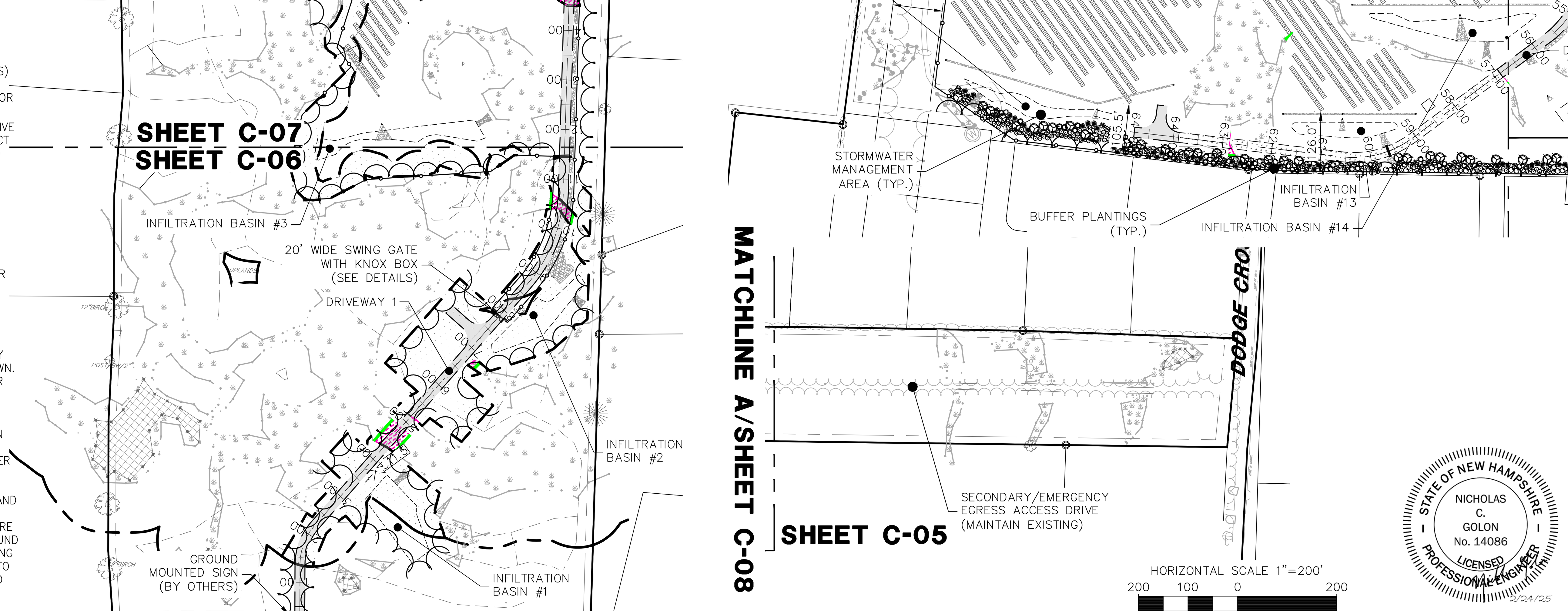
I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR THOSE UNDER MY DIRECT SUPERVISION. FURTHER, THIS PLAN IS BASED ON AN ACTUAL FIELD SURVEY MADE ON THE GROUND FROM MARCH THROUGH JUNE OF 2024 BY THIS OFFICE.

I CERTIFY THAT THIS SURVEY PLAT IS NOT A SUBDIVISION PURSUANT TO THIS TITLE AND THAT THE LINES OF STREETS AND WAYS SHOWN ARE THOSE OF PUBLIC OR PRIVATE STREETS OR WAYS ALREADY ESTABLISHED AND THAT NO NEW WAYS ARE SHOWN. (NH RSA 676:18)

Michael R Dahlberg 11-13-2024
LICENSED LAND SURVEYOR DATE

STATE OF NEW HAMPSHIRE No. 714 MICHAEL R. DAHLBERG LICENSED LAND SURVEYOR SIGNATURE

Nov 13, 2024 - 9:21am
F:\TFM Projects\47587 Nutes Rd - Farmington, NH\Carlson Survey\Dwgs\47587-00 Survey Existing Conditions 100 Scale.dwg



NOTES

1. OWNERS OF RECORD:
   PARCEL ID: R18–05–00
   NAME: JOSEPH R. AND JANET E. GRAY
   ADDRESS: 36 BROWN ROAD
   TOWN/CITY, STATE: FARMINGTON, NH 03835
   DEED REFERENCE: BK. 4347 PG. 430
   AREA: ±4,660,837 S.F. OR ±106,998 ACRES

   PARCEL ID: R18–10–00
   NAME: THE JONATHAN D. CARDINAL AND COURTNEY L. CARDINAL REV LIVING TRUST
   ADDRESS: 85 GREAT PINE CIRCLE
   TOWN/CITY, STATE: FARMINGTON, NH 03835
   DEED REFERENCE: BK. 5134 PG. 831
   AREA: ±2,995,180 S.F. OR ±68.760 ACRES

   PARCEL ID: R17–33–00
   NAME: GREATWOODS, LLC
   ADDRESS: 58 PRISCILLA LANE
   TOWN/CITY, STATE: AUBURN, NH 03032
   DEED REFERENCE: BK. 5080 PG. 166
   AREA: ±4,010,221 S.F. OR ±92.032 ACRES

   PARCEL ID: R17–68–00
   NAME: ARRON L. ALLEN
   ADDRESS: 180 DODGE CROSS ROAD
   TOWN/CITY, STATE: FARMINGTON, NH 03835
   DEED REFERENCE: BK. 2148 PG. 378
   AREA: ±6,212,676 S.F. OR ±142.623 ACRES

2. R18–003–000, R18–005–000, R18–010–000, R17–033–000, R17–068–000, R17–055–000, AND R17–057–000 INDICATES TAX MAPS AND LOT NUMBERS.

3. THE PURPOSE OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS FOR PORTIONS OF THE LOTS PRESENT AT THE TIME OF THE FIELD SURVEY FOR ASSESSORS MAP AND LOT NUMBERS LISTED IN NOTE 2, SITUATED ON THE NORTHEASTERLY SIDE OF CHESTNUT HILL ROAD IN THE TOWN OF FARMINGTON, NEW HAMPSHIRE AS SHOWN HEREON AND NO OTHER PURPOSE.

4. CURRENT ZONING IS RURAL RESIDENTIAL (RR)

   MINIMUM LOT SIZE: 1ACRE(43560 S.F.)
   MINIMUM LOT FRONTAGE: 150FT
   MINIMUM FRONT BUILDING SETBACKS: 25FT
   MINIMUM SIDE BUILDING SETBACKS: 15FT
   MINIMUM REAR BUILDING SETBACKS: 15FT
   MAXIMUM HEIGHT: RESIDENTIAL: 35FT ACCESSORY BUILDING STRUCTURES 55FT
   WETLANDS CLASS 1: 100FT
   CLASS 2: 50FT

5. LAND USE:
   IN DEVELOPMENT: ±12,029,904 S.F. (±276.168 ACRES)
   NOT IN DEVELOPMENT: ±9,465,424 S.F. (±217.296 ACRES)

6. EXAMINATION OF THE FLOOD INSURANCE RATE MAP FOR STRAFFORD COUNTY, NEW HAMPSHIRE (ALL JURISDICTIONS), MAP NUMBER 33017C0120D, EFFECTIVE DATE OF MAY 17, 2005, INDICATES THAT THE SUBJECT PARCELS ARE NOT LOCATED WITHIN A FLOOD HAZARD AREA.

7. HORIZONTAL DATUM: NH–NAD83/2011
   VERTICAL DATUM: NAVD88

8. EASEMENTS, RIGHTS, AND RESTRICTIONS SHOWN OR IDENTIFIED ARE THOSE WHICH WERE FOUND DURING RESEARCH PERFORMED AT THE STRAFFORD COUNTY REGISTRY OF DEEDS. OTHER RIGHTS, EASEMENTS, OR RESTRICTIONS MAY EXIST WHICH A TITLE EXAMINATION OF SUBJECT PARCEL(S) MAY DETERMINE.

9. THE LOCATION OF ANY UNDERGROUND UTILITY INFORMATION SHOWN ON THIS PLAN IS APPROXIMATE. T.F. MORAN INC. MAKES NO CLAIM TO THE ACCURACY OR COMPLETENESS OF UNDERGROUND UTILITIES SHOWN. PRIOR TO ANY EXCAVATION ON SITE THE CONTRACTOR SHALL CONTACT DIG SAFE AT 811.

10. THE LOCATIONS OF TRAILS AND LOGGING ROADS DEPICTED ON THE FOLLOWING SHEETS ARE BASED ON LIDAR DATA FROM NH GRANITE, AS WELL AS AERIAL PHOTOGRAPHY SOURCED FROM NH STONEWALL MAPPER AND GOOGLE EARTH.

11. ALL GATES SHALL BE EQUIPPED WITH KNOX BOXES AND ALL SEASON ACCESS SHALL BE PROVIDED TO THE ACCESS GATE OFF CHESTNUT HILL ROAD FOR THE FIRE DEPARTMENT. SNOW SHALL NOT BE STOCKPILED AROUND THE GATE. SHOULD MAINTENANCE BE REQUIRED DURING WINTER MONTHS, DRIVEWAYS SHALL BE PLOWED UP TO A POINT IN WHICH MAINTENANCE TO BE PROVIDED TO ACCOMMODATE EMERGENCY RESPONDERS.

12. CONSTRUCTION SIGNAGE SHALL BE PROVIDED TO THE SATISFACTION OF THE POLICE AND FIRE DEPARTMENT. LOCATION OF SITE SIGN SHOWN FOR REFERENCE, FINAL DESIGN BY OTHERS.

13. SITE SPECIFIC EMERGENCY RESPONSE TRAINING SHALL BE PROVIDED TO THE TOWN OF FARMINGTON POLICE AND FIRE DEPARTMENTS.

DIG SAFE — CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

WETLAND IMPACT NOTES

PERMANENT WETLAND IMPACTS:		35,184 SF
TEMPORARY WETLAND IMPACTS:		6,677 SF
WETLAND BUFFER IMPACTS:		
	CLASS ONE	716,178 SF
	CLASS TWO	1,011,760 SF

REFERENCE PLANS

S.C.R.D PLAN NO. 23A–30
S.C.R.D PLAN NO. 36–40
S.C.R.D PLAN NO. 105–47
S.C.R.D PLAN NO. 81–88
S.C.R.D PLAN NO. 37–69
S.C.R.D PLAN NO. 64–52
S.C.R.D PLAN NO. 60–31
S.C.R.D PLAN NO. 26–48
S.C.R.D PLAN NO. 17D056
S.C.R.D PLAN NO. 29–04
S.C.R.D PLAN NO. 99–004
S.C.R.D PLAN NO. 96–003
S.C.R.D PLAN NO. 63–10
S.C.R.D PLAN NO. 105–45
S.C.R.D PLAN NO. 100–066
S.C.R.D PLAN NO. 102–031
S.C.R.D PLAN NO. 33A–150
S.C.R.D PLAN NO. F001–034
S.C.R.D PLAN NO. P003–F002–051
S.C.R.D PLAN NO. P009–F001–12
S.C.R.D PLAN NO. P013–F001–050
S.C.R.D PLAN NO. 49–35
S.C.R.D PLAN NO. 105–45
S.C.R.D PLAN NO. 45–49
S.C.R.D PLAN NO. 44–40
S.C.R.D PLAN NO. 37A–137
S.C.R.D PLAN NO. 105–46
S.C.R.D PLAN NO. 102–031
S.C.R.D PLAN NO. 82–07
S.C.R.D PLAN NO. 89–24
S.C.R.D PLAN NO. 79–52
S.C.R.D PLAN NO. A–903
S.C.R.D PLAN NO. A–974
EVERSOURCE PLAN R–7660–2

HORIZONTAL SCALE 1"=200'
200 100 0 200

NICHOLAS C. GOLON No. 14086 — STATE OF NEW HAMPSHIRE — LICENSED PROFESSIONAL ENGINEER — 2/24/25

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

OVERALL SITE LAYOUT PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY
VARIOUS PARTIES

PREPARED FOR
WALDEN RENEWABLES

SCALE: 1" = 200' **NOVEMBER 13, 2024**

TFM
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

48 Constitution Drive
Bedford, NH 03110
Phone (603) 472–4488
Fax (603) 472–9747
www.tfmoran.com

FILE	DR	JB	FB	–	
47587–00	CK	NG	CADFILE	47587–00 DESIGN_LAYOUT	C–04

MATCHLINE (SHEET C-08)

SNOWMOBILE TRIAL

Now or Formerly
AARON L. ALLEN
180 DODGE CROSS ROAD
FARMINGTON, NH 03835
PLAN NO. 81-88
BOOK 2148, PAGE 378
PARCEL ID R17-068-001

Now or Formerly
PATRICIA COLANTO
29 LITTLE CITY ROAD
FARMINGTON, NH 03835
PLAN NO. 23A-30
BOOK 5079, PAGE 475
PARCEL ID R17-062-000

Now or Formerly
ROBERT V. DUPONT,
IRENE H. DUPONT
23 LITTLE CITY ROAD
FARMINGTON, NH 03835
BOOK 4487, PAGE 713
PARCEL ID R17-063-000

Now or Formerly
TANYA POZDZIAK
PO BOX 303
UNION, NH 03887
WILLIAM MACKINNON, JR.
313 GODING ROAD
LEBANON, ME 04027
PLAN NO. 23A-30
BOOK 4560, PAGE 335
PARCEL ID R17-064-000

Now or Formerly
JESSE B. MACINNIS
114 DODGE CROSS ROAD
FARMINGTON, NH 03835
PLAN NO. 23A-30
BOOK 5056, PAGE 558
PARCEL ID R17-065-000

LITTLE CITY ROAD

Now or Formerly
CLEON F. POWERS
IRENE E. POWERS
34 LITTLE CITY ROAD
FARMINGTON, NH 03835
PLAN NO. 23A-30
BOOK 1632, PAGE 94
PARCEL ID R17-059-000

Now or Formerly
DEBBIE PRUE
24 LITTLE CITY ROAD
FARMINGTON, NH
PLAN NO. 23A-30
BOOK 4533, PAGE 8
PARCEL ID R17-059-001

Now or Formerly
14 LCR, LLC
P.O. BOX 397
DOVER, NH 03821-0397
PLAN NO. 33A-150
BOOK 5035, PAGE 380
PARCEL ID R17-058-001

Now or Formerly
DONALD R. LAQUERRE
DARLENE
COUTURE-LAQUERRE
106 DODGE CROSS ROAD
FARMINGTON, NH 03835
PLAN NO. 33A-150
BOOK 1960, PAGE 532
PARCEL ID R17-058-000

DODGE CROSS ROAD

15' SIDE SETBACK

Now or Formerly
FRANCIS J. CASSIDY
59 SILVER STREET
SOMERSWORTH, NH 03878
BOOK 1205, PAGE 69
PARCEL ID R17-057-000

EXISTING ACCESS DRIVE
TO BE MAINTAINED

15' SIDE SETBACK

Now or Formerly
STEPHEN GALLANT
RACHELLE L. LAPORTE
88 DODGE CROSS ROAD
FARMINGTON, NH 03835
PLAN NO. 37A-137
BOOK 3101, PAGE 923
PARCEL ID R17-056-013

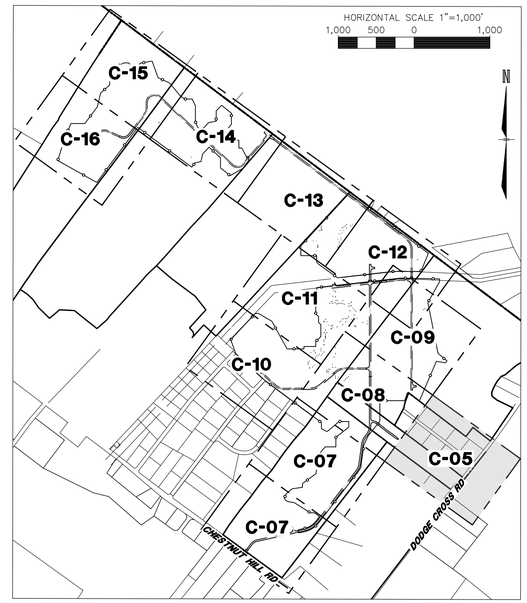
Now or Formerly
GEORGE H. &
JOSEPHINE SZIRBIK
17 UXBRIDGE ROAD
SUTTON, MA 01590
BOOK 4532, PAGE 680
PARCEL ID R01-002-000

MATCHLINE (SHEET C-08)

HORIZONTAL SCALE 1"=60'
60 30 0 60

NOTES

1. SEE NOTES ON SHEET C-17.



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SITE LAYOUT PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

SCALE: AS NOTED **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
2/24/25

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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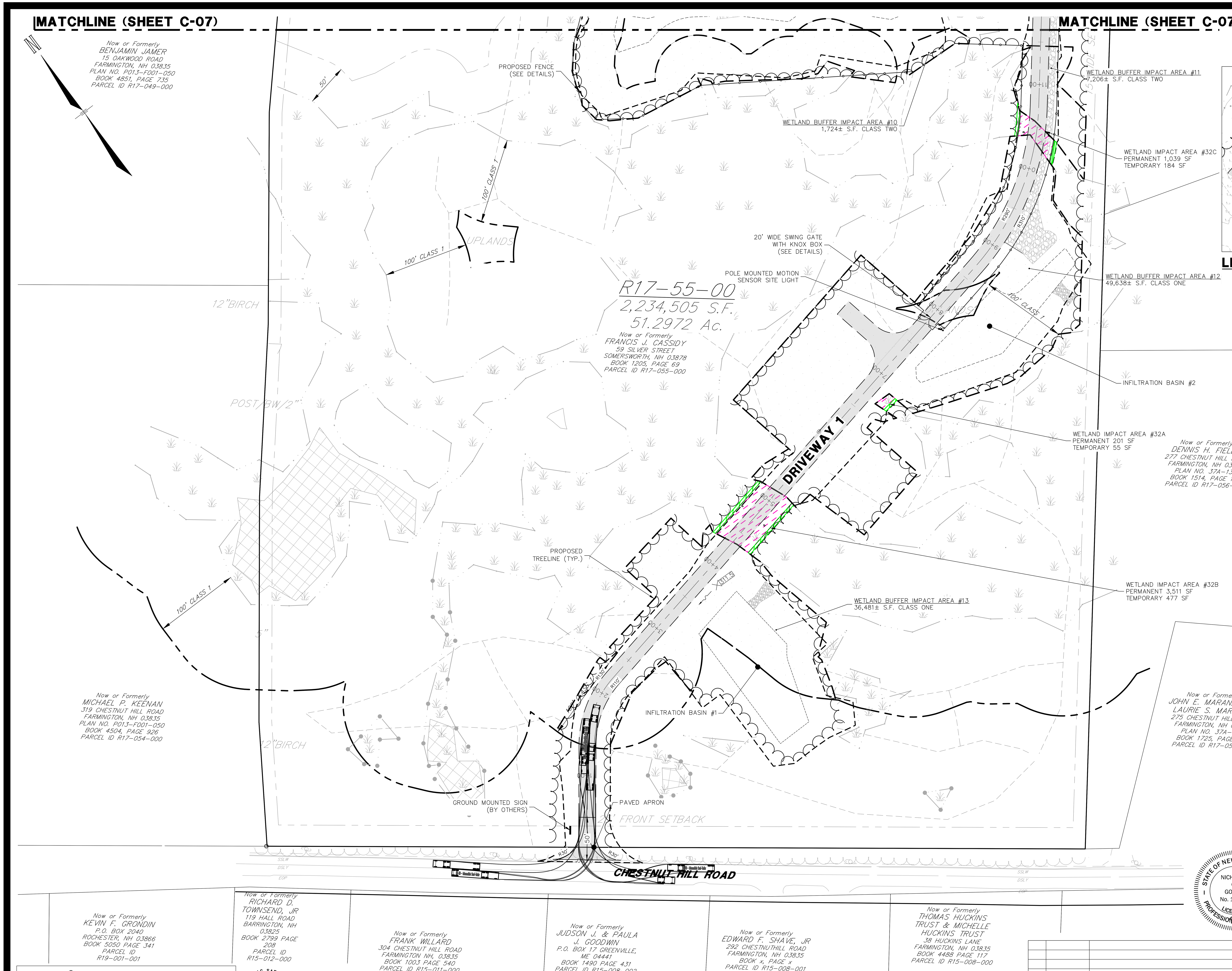
www.tfmoran.com

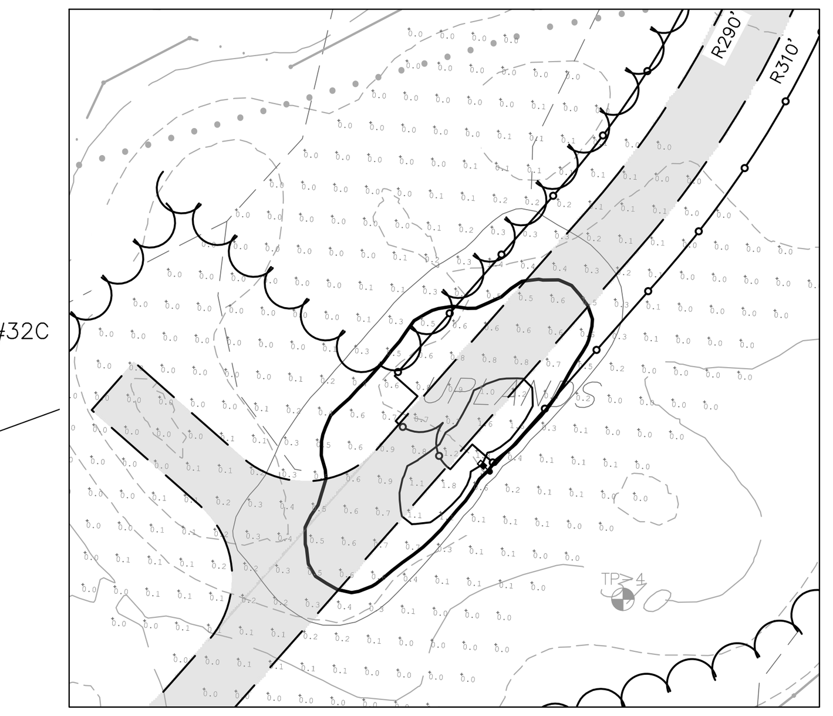
FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-05

DIG SAFE
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION



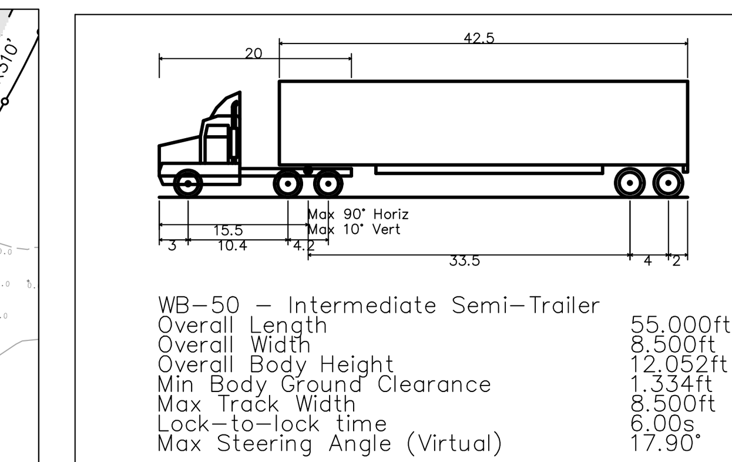
NOTES

1. SEE NOTES ON SHEET C-04.
2. LIGHTING CALCULATIONS BY EXPOSURE 2 LIGHTING, INC.



LIGHTING PLAN

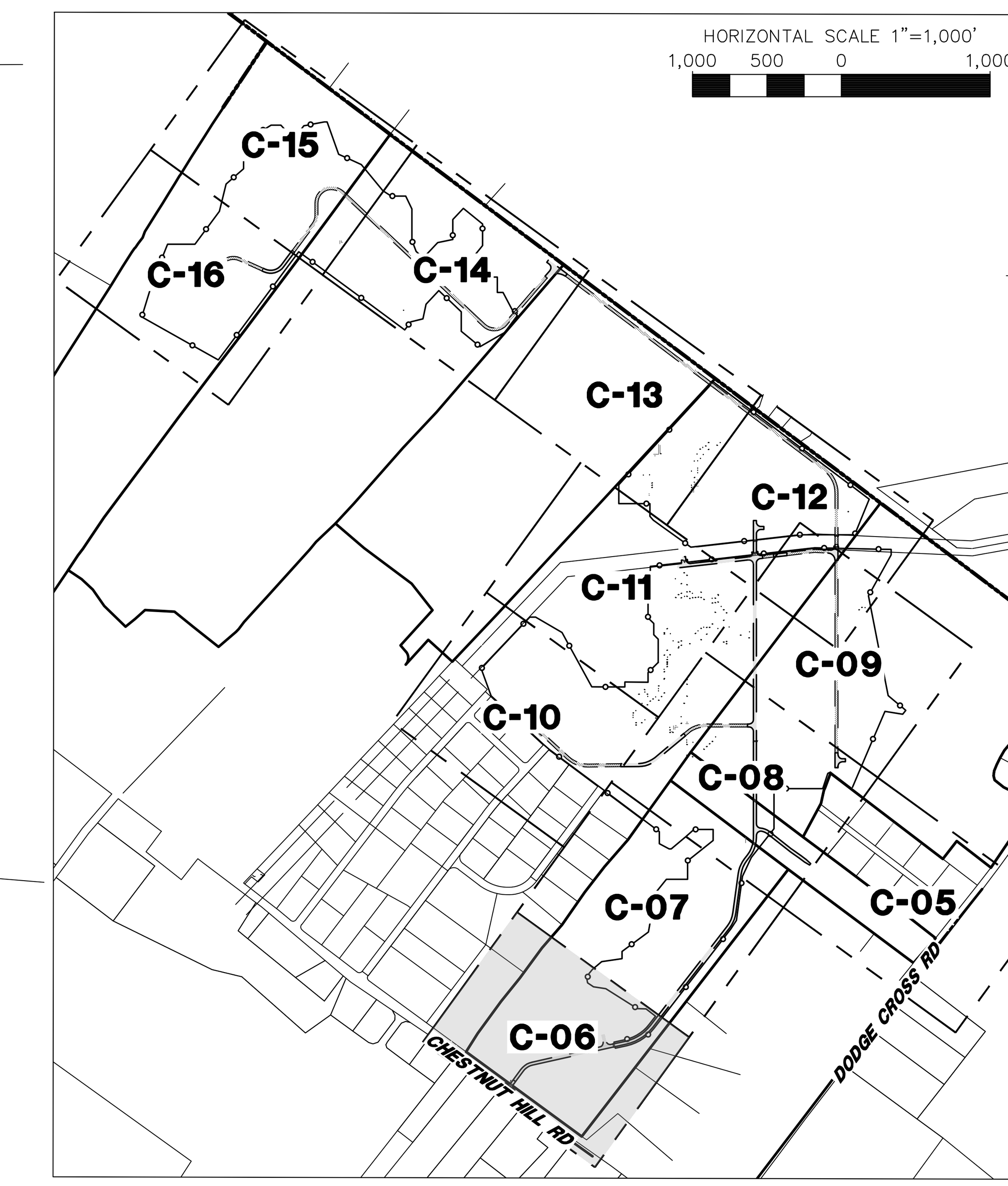
SCALE: 1"=60'



VEHICLE TEMPLATE

SCALE: 1"=20'

Luminaire Schedule						
Symbol	Qty	Label	Arrangement	Description	Tag	[MANUFAC]
▪	1	S	Single	VALS-9L-3W-UNV-30K8-BRZ-SA-IMSBTL1 / 4SQ B3 S11G20 S AB 4BC	20' POLE	LSI INDUSTRIES, INC.



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SITE LAYOUT PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY
VARIOUS PARTIES

PREPARED FOR
WALDEN RENEWABLES

SCALE: AS NOTED **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED
PROFESSIONAL ENGINEER
2/24/25

DIG SAFE
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

HORIZONTAL SCALE 1"=60'
60 30 0 60

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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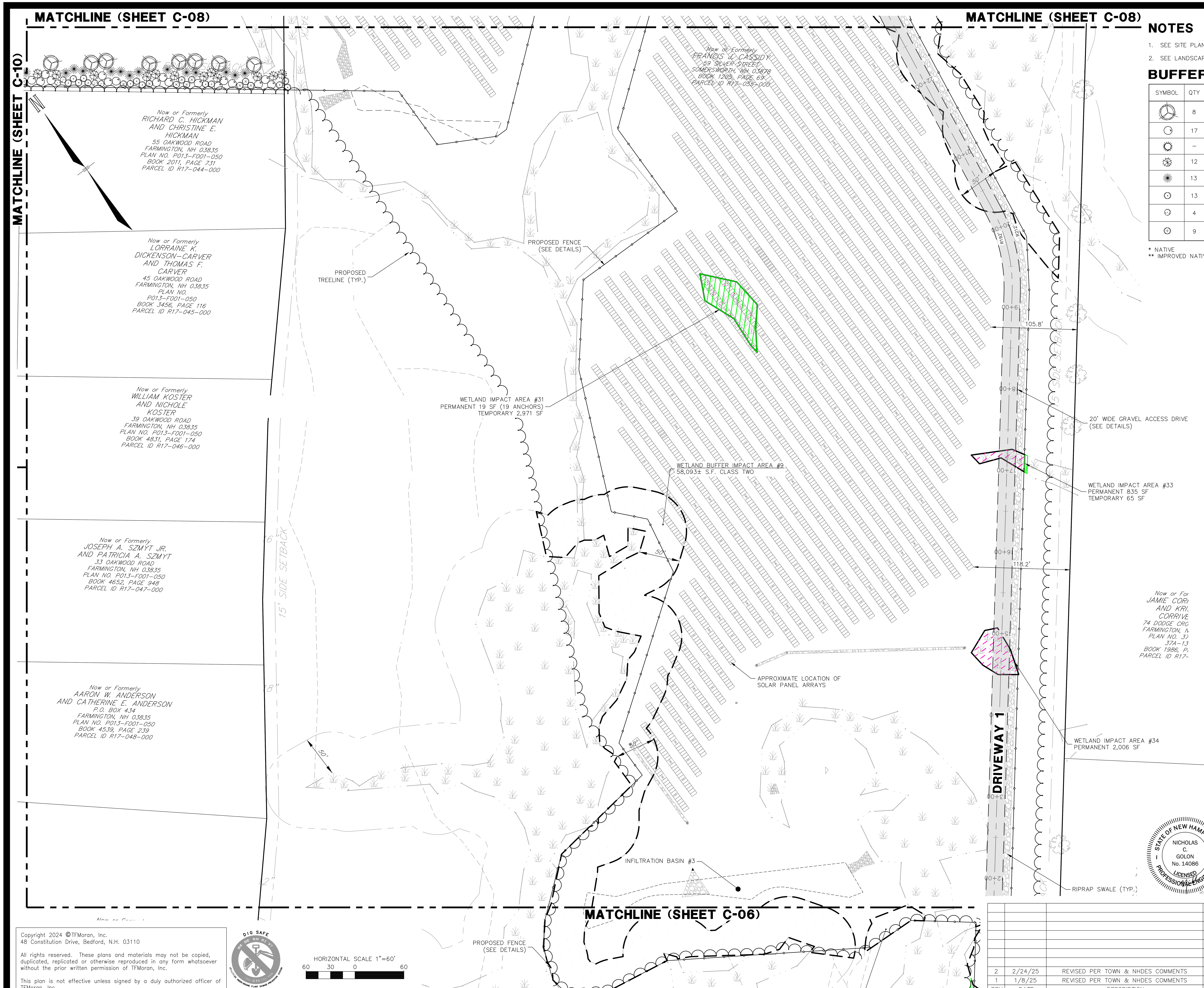
www.tfmoran.com

47587-00	DR JB	FB	-		C-06
	CK NG	CADFILE	47587-00 DESIGN_LAYOUT		


MATCHLINE (SHEET C-08)
MATCHLINE (SHEET C-08)
MATCHLINE (SHEET C-10)
MATCHLINE (SHEET C-06)
Now or Formerly
RICHARD C. HICKMAN
AND CHRISTINE E. HICKMAN
55 OAKWOOD ROAD
FARMINGTON, NH 03835
PLAN NO. P013-F001-050
BOOK 2011, PAGE 731
PARCEL ID R17-044-000
Now or Formerly
LORRAINE K. DICKENSON-CARVER
AND THOMAS F. CARVER
45 OAKWOOD ROAD
FARMINGTON, NH 03835
PLAN NO. P013-F001-050
BOOK 3456, PAGE 116
PARCEL ID R17-045-000
Now or Formerly
WILLIAM KOSTER
AND NICHOLE KOSTER
39 OAKWOOD ROAD
FARMINGTON, NH 03835
PLAN NO. P013-F001-050
BOOK 4831, PAGE 174
PARCEL ID R17-046-000
Now or Formerly
JOSEPH A. SZMYT JR.
AND PATRICIA A. SZMYT
33 OAKWOOD ROAD
FARMINGTON, NH 03835
PLAN NO. P013-F001-050
BOOK 4652, PAGE 948
PARCEL ID R17-047-000
Now or Formerly
AARON W. ANDERSON
AND CATHERINE E. ANDERSON
P.O. BOX 434
FARMINGTON, NH 03835
PLAN NO. P013-F001-050
BOOK 4539, PAGE 239
PARCEL ID R17-048-000
Now or Formerly
FRANCIS J. CASSIDY
59 SILVER STREET
SOMERSWORTH, NH 03878
BOOK 1285, PAGE 69
PARCEL ID R17-035-000
PROPOSED FENCE (SEE DETAILS)
PROPOSED TREELINE (TYP.)
WETLAND IMPACT AREA #31
PERMANENT 19 SF (19 ANCHORS)
TEMPORARY 2,971 SF
WETLAND BUFFER IMPACT AREA #9
58,093± S.F. CLASS TWO
15' SIDE SETBACK
105.8'
118.2'
20' WIDE GRAVEL ACCESS DRIVE (SEE DETAILS)
WETLAND IMPACT AREA #33
PERMANENT 835 SF
TEMPORARY 65 SF
APPROXIMATE LOCATION OF SOLAR PANEL ARRAYS
WETLAND IMPACT AREA #34
PERMANENT 2,006 SF
DRIVEWAY 1
INFILTRATION BASIN #3
RIPRAP SWALE (TYP.)
PROPOSED FENCE (SEE DETAILS)
HORIZONTAL SCALE 1"=60'
60 30 0 60

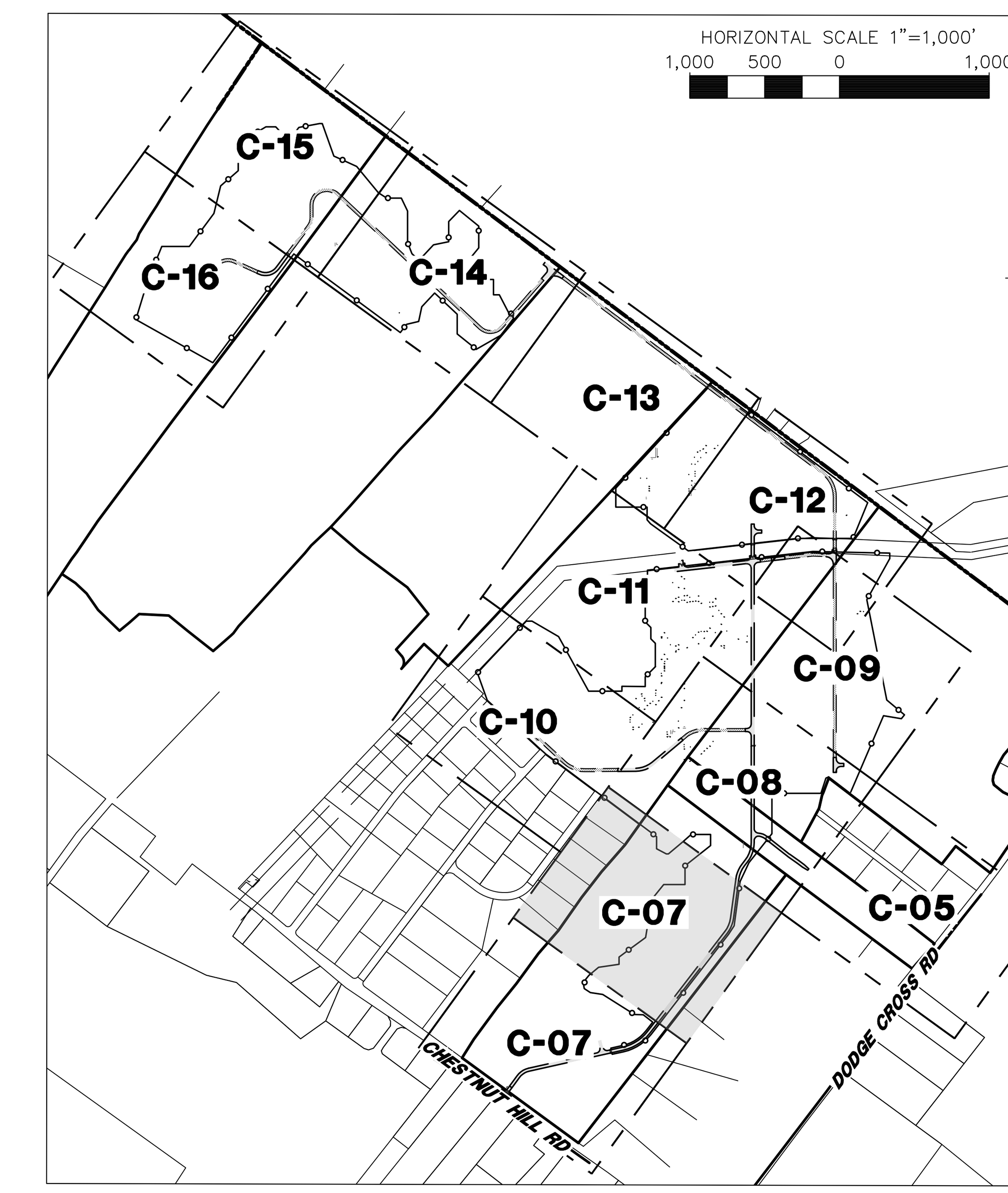
NOTES

1. SEE SITE PLAN NOTES ON SHEET C-04.
2. SEE LANDSCAPING NOTES ON SHEET C-03.

BUFFER PLANTING LANDSCAPE LEGEND

SYMBOL	QTY	BOTANICAL NAME COMMON NAME	PLANTING SIZE	REMARKS	MATURE SIZE (HEIGHT/SPREAD)	GROWTH HABIT
	8	BETULA NIGRA 'DURA HEAT' **DURA HEAT RIVER BIRCH	10' TO 12' MULTI-STEM	B&B	20'-30'/40'-60'	PYRAMIDAL
	17	AMELANCHIER CANADENSIS *SHADBLOW SERVICEBERRY	5' TO 6'	B&B	20'-30'/10'-15'	OVAL
	–	ABIES BALSAMEA *BALSAM FIR	6' TO 7'	B&B	40'-60'/20'-30'	PYRAMIDAL
	12	THUJA PLICATA 'GREEN GIANT' **GREEN GIANT WESTERN ARBORVITAE	6' MIN.	B&B	30'-40'/15'-20'	PYRAMIDAL
	13	PICEA GLUACA *WHITE SPRUCE	6' TO 7'	B&B	40'-60'/15'-20'	PYRAMIDAL
	13	CORNUS (SWIDA) RACEMOSA *GREY DOGWOOD	5 GAL.	CONTAINER	10'-15/10'-15'	ROUNDED
	4	MYRICA PENSYLVANICA *NORTHERN BAYBERRY	5 GAL.	CONTAINER	6'-8'/6'-8'	ROUNDED
	9	VIBURNUM LENTAGO *NANNYBERRY VIBURNUM	5 GAL.	CONTAINER	15'-20'/8'-10'	UPRIGHT

* NATIVE
** IMPROVED NATIVE



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SITE LAYOUT PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY
VARIOUS PARTIES
PREPARED FOR
WALDEN RENEWABLES

SCALE: AS NOTED **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE — NICHOLAS C. GOLON No. 14086 LICENSED PROFESSIONAL ENGINEER — 2/24/25

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

TFM
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

48 Constitution Drive
Bedford, NH 03110
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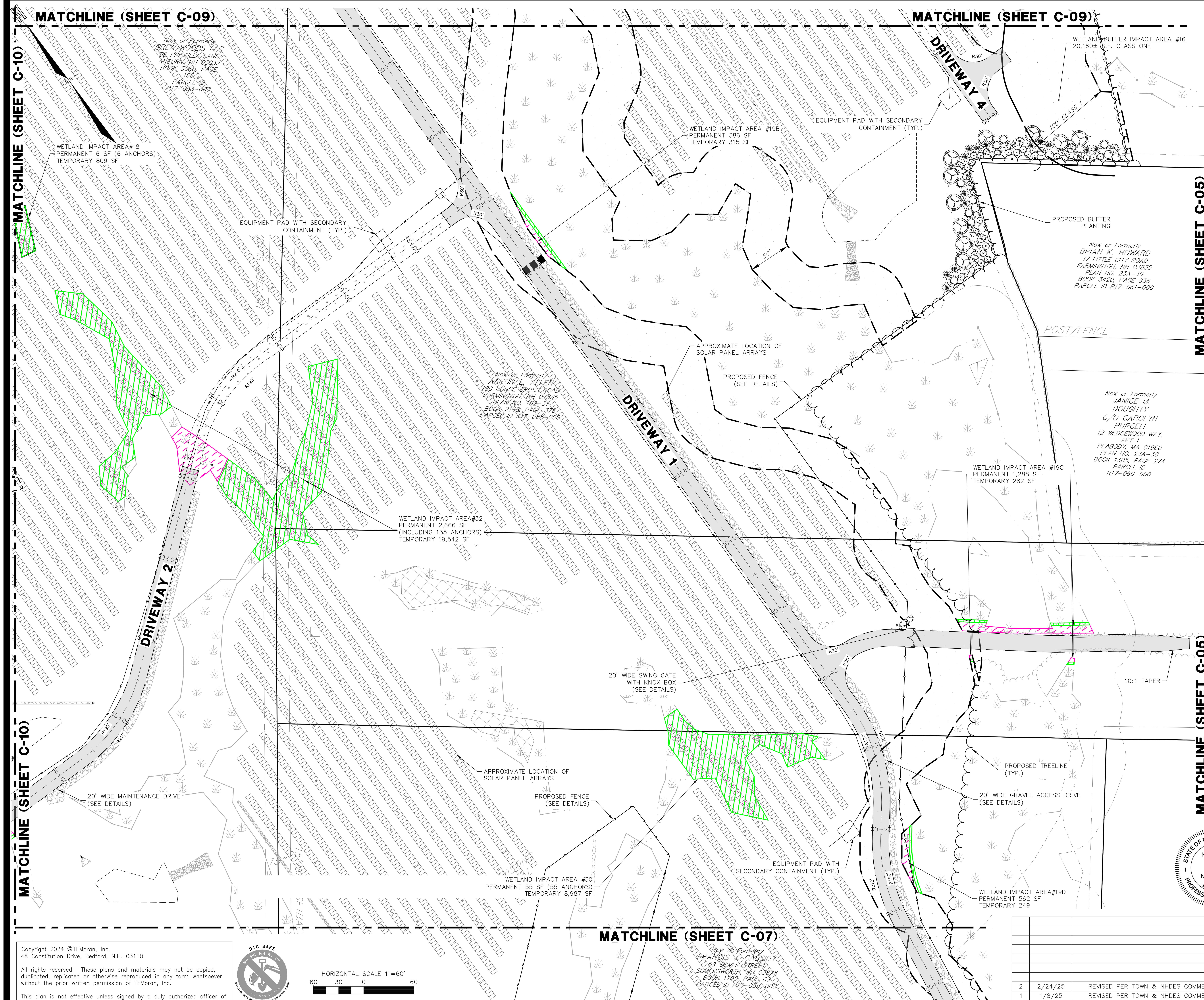
Fax (603) 472-9747
www.tfmoran.com

FILE	DR	JB	FB	–	SHEET
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-07


MATCHLINE (SHEET C-09)
MATCHLINE (SHEET C-09)
MATCHLINE (SHEET C-10)
MATCHLINE (SHEET C-10)
MATCHLINE (SHEET C-05)
MATCHLINE (SHEET C-05)
MATCHLINE (SHEET C-07)
DRIVEWAY 1
DRIVEWAY 2
DRIVEWAY 4
WETLAND IMPACT AREA#18
PERMANENT 6 SF (6 ANCHORS)
TEMPORARY 809 SF
WETLAND IMPACT AREA #19B
PERMANENT 386 SF
TEMPORARY 315 SF
WETLAND IMPACT AREA #19C
PERMANENT 1,288 SF
TEMPORARY 282 SF
WETLAND IMPACT AREA#19D
PERMANENT 562 SF
TEMPORARY 249
WETLAND IMPACT AREA#32
PERMANENT 2,666 SF
(INCLUDING 135 ANCHORS)
TEMPORARY 19,542 SF
WETLAND IMPACT AREA #30
PERMANENT 55 SF (55 ANCHORS)
TEMPORARY 8,987 SF
WETLAND BUFFER IMPACT AREA #16
20,160± S.F. CLASS ONE
EQUIPMENT PAD WITH SECONDARY CONTAINMENT (TYP.)
APPROXIMATE LOCATION OF SOLAR PANEL ARRAYS
PROPOSED FENCE (SEE DETAILS)
PROPOSED BUFFER PLANTING
POST/FENCE
20' WIDE SWING GATE WITH KNOX BOX (SEE DETAILS)
10:1 TAPER
PROPOSED TREELINE (TYP.)
20' WIDE GRAVEL ACCESS DRIVE (SEE DETAILS)
20' WIDE MAINTENANCE DRIVE (SEE DETAILS)
100' CLASS 1
Now or Formerly
GREATWOODS LLC
38 PRISCILLA LANE
AUBURN, NH 03032
BOOK 5060, PAGE 166
PARCEL ID R17-033-000
Now or Formerly
AARON L. ALLEN
180 DODGE CROSS ROAD
FARMINGTON, NH 03835
PLAN NO. 102-31
BOOK 2148, PAGE 378
PARCEL ID R17-066-000
Now or Formerly
BRIAN K. HOWARD
37 LITTLE CITY ROAD
FARMINGTON, NH 03835
PLAN NO. 23A-30
BOOK 3420, PAGE 936
PARCEL ID R17-061-000
Now or Formerly
JANICE M. DOUGHTY
C/O CAROLYN PURCELL
12 WEDGEWOOD WAY, APT 1
PEABODY, MA 01960
PLAN NO. 23A-30
BOOK 1305, PAGE 274
PARCEL ID R17-060-000
Now or Formerly
FRANCIS C. CASSIDY
59 SILVER STREET
SOMERSWORTH, NH 03878
BOOK 1203, PAGE 69
PARCEL ID R17-055-000
HORIZONTAL SCALE 1"=60'
60 30 0 60

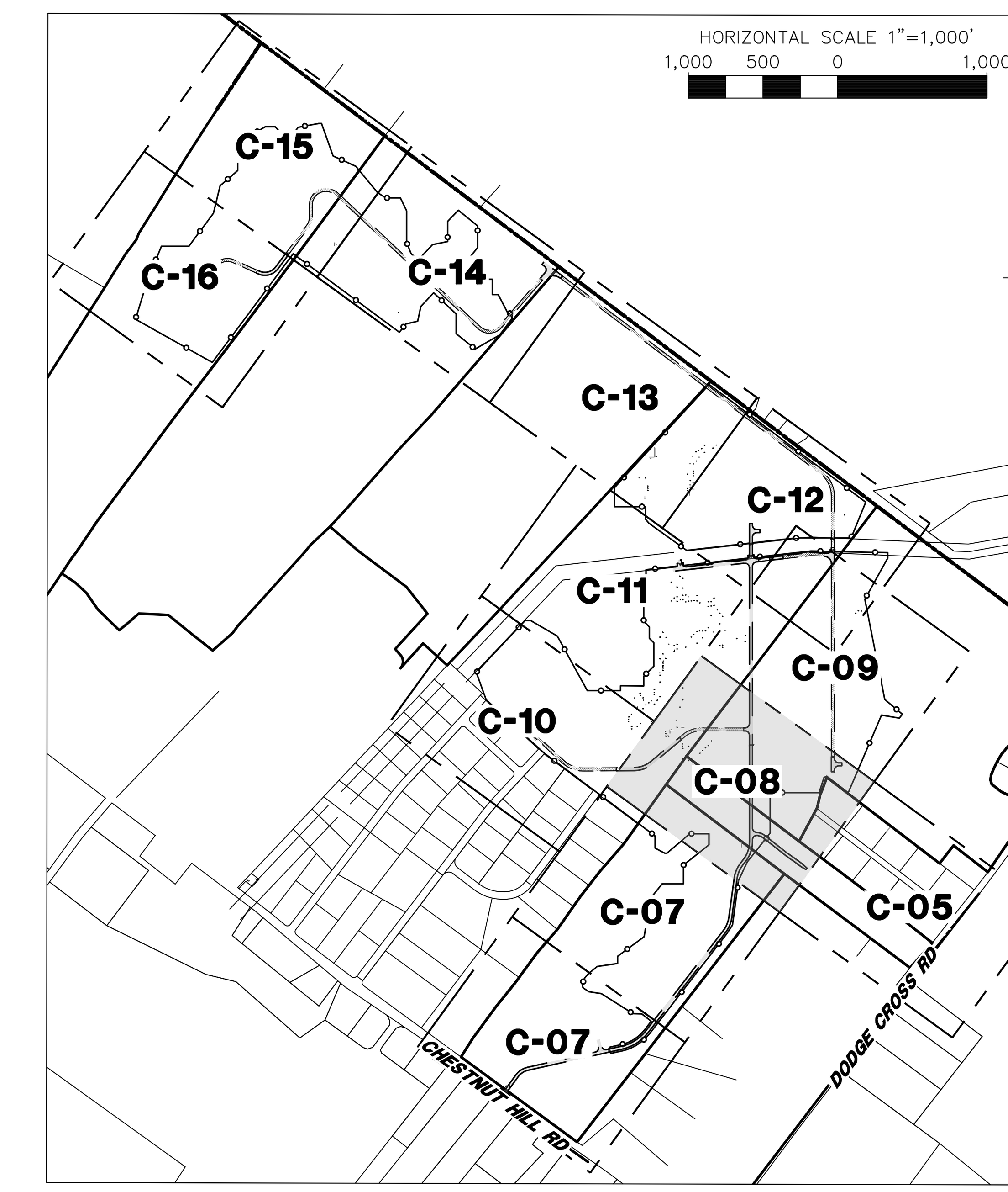
NOTES

1. SEE SITE PLAN NOTES ON SHEET C-04.
2. SEE LANDSCAPING NOTES ON SHEET C-03.

BUFFER PLANTING LANDSCAPE LEGEND

SYMBOL	QTY	BOTANICAL NAME / COMMON NAME	PLANTING SIZE	REMARKS	MATURE SIZE (HEIGHT/SPREAD)	GROWTH HABIT
	10	BETULA NIGRA 'DURA HEAT' / **DURA HEAT RIVER BIRCH	10' TO 12' MULTI-STEM	B&B	20'-30'/40'-60'	PYRAMIDAL
	5	AMELANCHIER CANADENSIS / *SHADBLOW SERVICEBERRY	5' TO 6'	B&B	20'-30'/10'-15'	OVAL
	5	ABIES BALSAMEA / *BALSAM FIR	6' TO 7'	B&B	40'-60'/20'-30'	PYRAMIDAL
	13	THUJA PLICATA 'GREEN GIANT' / **GREEN GIANT WESTERN ARBORVITAE	6' MIN.	B&B	30'-40'/15'-20'	PYRAMIDAL
	14	PICEA GLUACA / *WHITE SPRUCE	6' TO 7'	B&B	40'-60'/15'-20'	PYRAMIDAL
	7	CORNUS (SWIDA) RACEMOSA / *GREY DOGWOOD	5 GAL.	CONTAINER	10'-15/10'-15'	ROUNDED
	13	MYRICA PENSYLVANICA / *NORTHERN BAYBERRY	5 GAL.	CONTAINER	6'-8'/6'-8'	ROUNDED
	5	VIBURNUM LENTAGO / *NANNYBERRY VIBURNUM	5 GAL.	CONTAINER	15'-20'/8'-10'	UPRIGHT

* NATIVE
** IMPROVED NATIVE



LOCUS MAP
SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SITE LAYOUT PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY
VARIOUS PARTIES

PREPARED FOR
WALDEN RENEWABLES

SCALE: AS NOTED **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
2/24/25

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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Structural Engineers
Traffic Engineers
Land Surveyors
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Bedford, NH 03110
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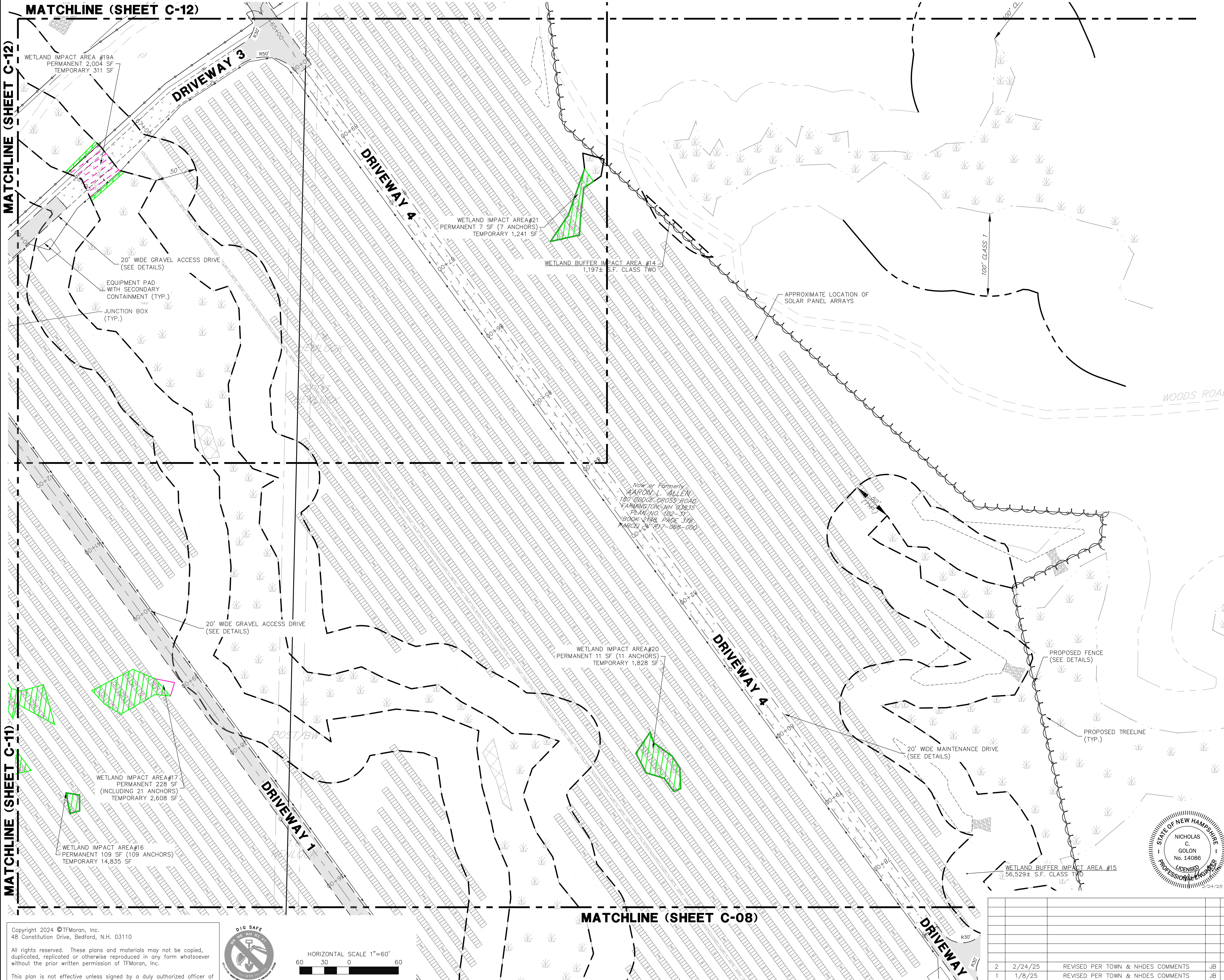
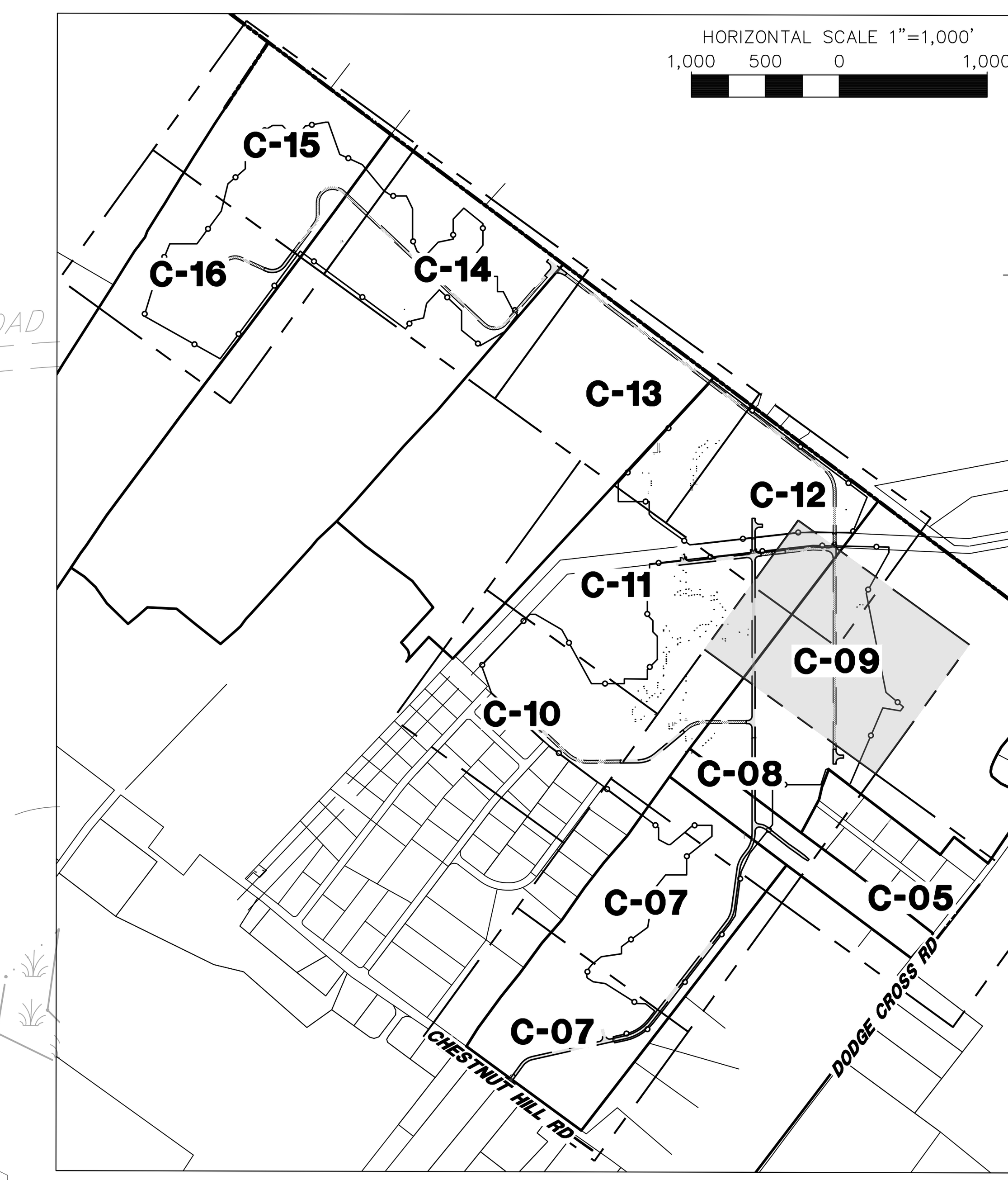
FILE 47587-00 | DR JB | CK NG | FB – | CADFILE 47587-00 DESIGN_LAYOUT | C-08


MATCHLINE (SHEET C-12)
MATCHLINE (SHEET C-12)
MATCHLINE (SHEET C-11)
MATCHLINE (SHEET C-08)
DRIVEWAY 3
DRIVEWAY 4
DRIVEWAY 4
DRIVEWAY 4
DRIVEWAY 1
WETLAND IMPACT AREA #19A
PERMANENT 2,004 SF
TEMPORARY 311 SF
WETLAND IMPACT AREA#21
PERMANENT 7 SF (7 ANCHORS)
TEMPORARY 1,241 SF
WETLAND BUFFER IMPACT AREA #14
1,197± S.F. CLASS TWO
20' WIDE GRAVEL ACCESS DRIVE
(SEE DETAILS)
EQUIPMENT PAD
WITH SECONDARY
CONTAINMENT (TYP.)
JUNCTION BOX
(TYP.)
APPROXIMATE LOCATION OF
SOLAR PANEL ARRAYS
100' CLASS 1
WOODS ROAD
Now or Formerly
AARON L. ALLEN
180 DODGE CROSS ROAD
FARMINGTON, NH 03835
BOOK 2148, PAGE 378
20' WIDE GRAVEL ACCESS DRIVE
(SEE DETAILS)
WETLAND IMPACT AREA#20
PERMANENT 11 SF (11 ANCHORS)
TEMPORARY 1,828 SF
PROPOSED FENCE
(SEE DETAILS)
PROPOSED TREELINE
(TYP.)
20' WIDE MAINTENANCE DRIVE
(SEE DETAILS)
WETLAND IMPACT AREA#17
PERMANENT 228 SF
(INCLUDING 21 ANCHORS)
TEMPORARY 2,608 SF
WETLAND IMPACT AREA#16
PERMANENT 109 SF (109 ANCHORS)
TEMPORARY 14,835 SF
WETLAND BUFFER IMPACT AREA #15
56,529± S.F. CLASS TWO
R30'
R30'
HORIZONTAL SCALE 1"=60'
60 30 0 60

NOTES

1. SEE NOTES ON SHEET C-04.



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SITE LAYOUT PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

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SCALE: AS NOTED **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE – NICHOLAS C. GOLON No. 14086 LICENSED PROFESSIONAL ENGINEER – 2/24/25

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Fax (603) 472-9747
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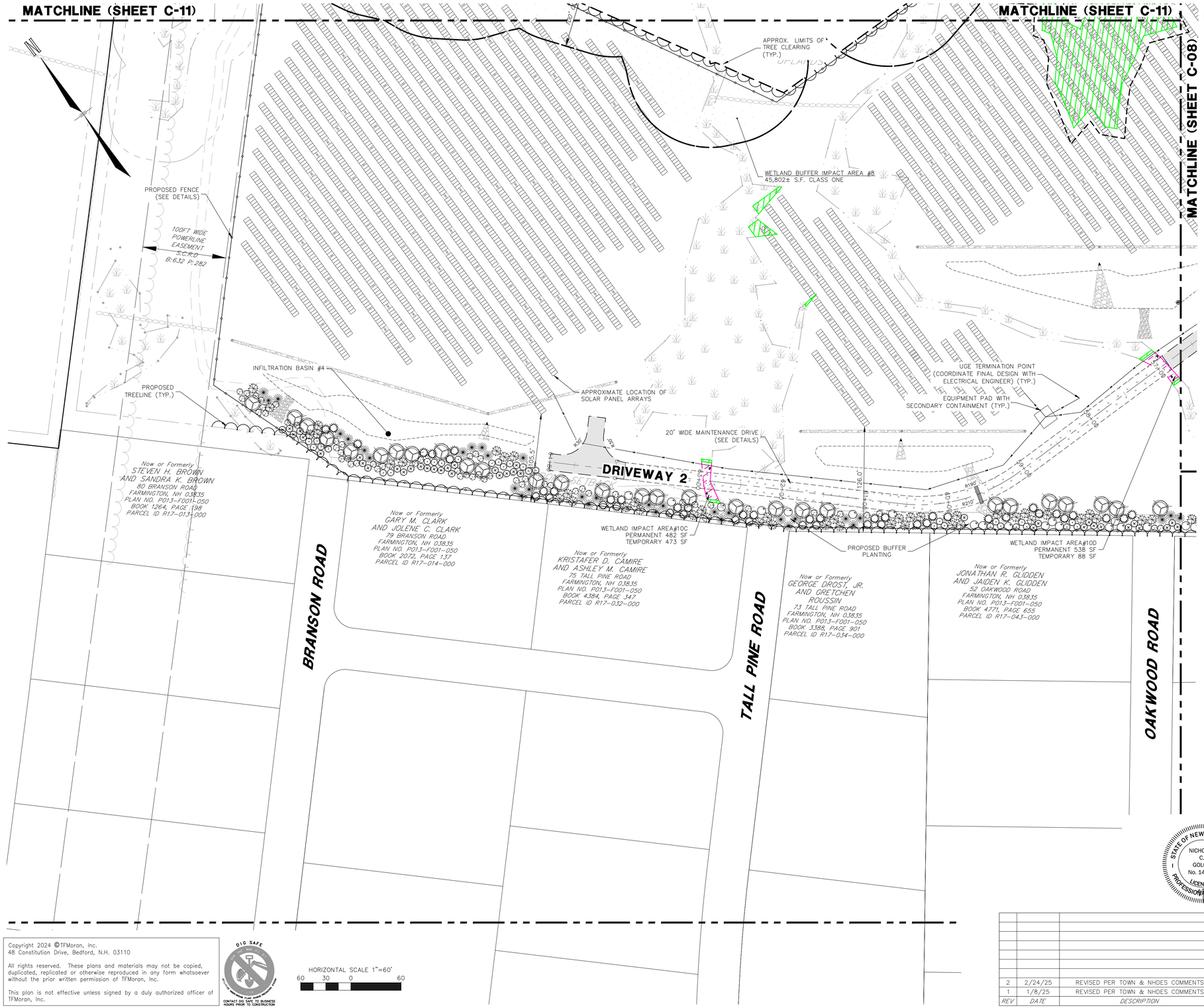
FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-09

DIG SAFE – MA ME NH RI VT – CALL 811 TOLL FREE – UTILITIES UNDERGROUND PLANT DAMAGE PREVENTION SYSTEM
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION



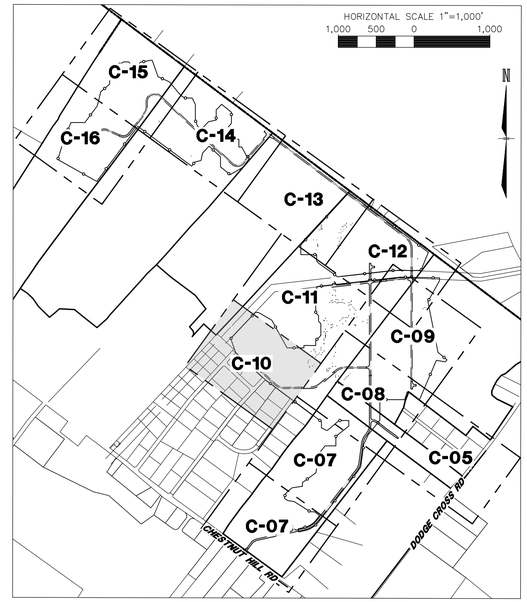
NOTES

1. SEE SITE PLAN NOTES ON SHEET C-04.
2. SEE LANDSCAPING NOTES ON SHEET C-03.

BUFFER PLANTING LANDSCAPE LEGEND

SYMBOL	QTY	BOTANICAL NAME COMMON NAME	PLANTING SIZE	REMARKS	MATURE SIZE (HEIGHT/SPREAD)	GROWTH HABIT
	28	BETULA NIGRA 'DURA HEAT' **DURA HEAT RIVER BIRCH	10' TO 12' MULTI-STEM	B&B	20'-30'/40'-60'	PYRAMIDAL
	42	AMELANCHIER CANADENSIS *SHADBLOW SERVICEBERRY	5' TO 6'	B&B	20'-30'/10'-15'	OVAL
	46	ABIES BALSAMEA *BALSAM FIR	6' TO 7'	B&B	40'-60'/20'-30'	PYRAMIDAL
	42	THUJA PLICATA 'GREEN GIANT' **GREEN GIANT WESTERN ARBORVITAE	6' MIN.	B&B	30'-40'/15'-20'	PYRAMIDAL
	33	PICEA GLUACA *WHITE SPRUCE	6' TO 7'	B&B	40'-60'/15'-20'	PYRAMIDAL
	30	CORNUS (SWIDA) RACEMOSA *GREY DOGWOOD	5 GAL.	CONTAINER	10'-15/10'-15'	ROUNDED
	53	MYRICA PENSYLVANICA *NORTHERN BAYBERRY	5 GAL.	CONTAINER	6'-8'/6'-8'	ROUNDED
	38	VIBURNUM LENTAGO *NANNYBERRY VIBURNUM	5 GAL.	CONTAINER	15'-20'/8'-10'	UPRIGHT

* NATIVE
** IMPROVED NATIVE



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SITE LAYOUT PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

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SCALE: AS NOTED **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
12/24/25

REV	DATE	DESCRIPTION	DR	CK
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1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

DIG SAFE
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

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Landscape Architects
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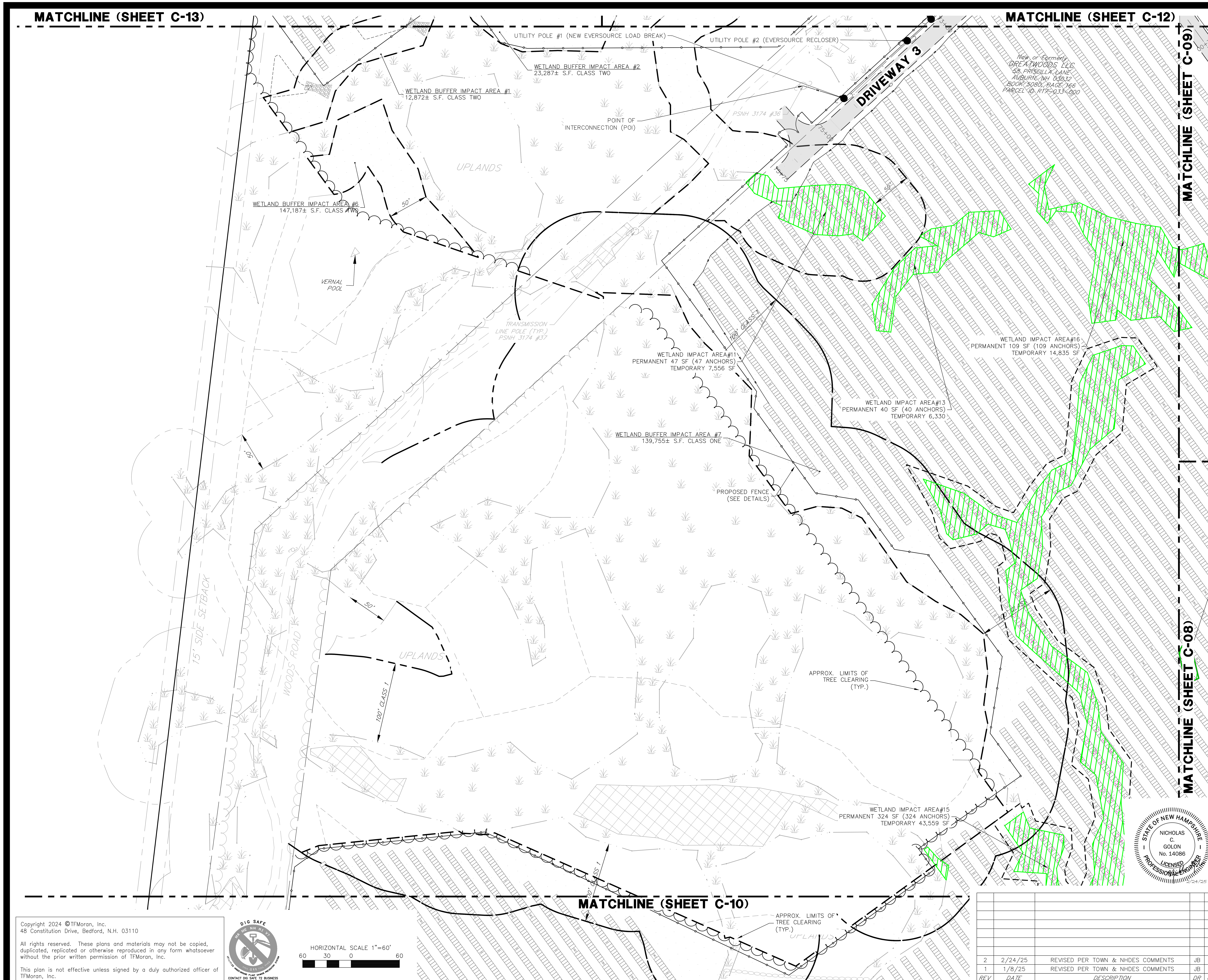
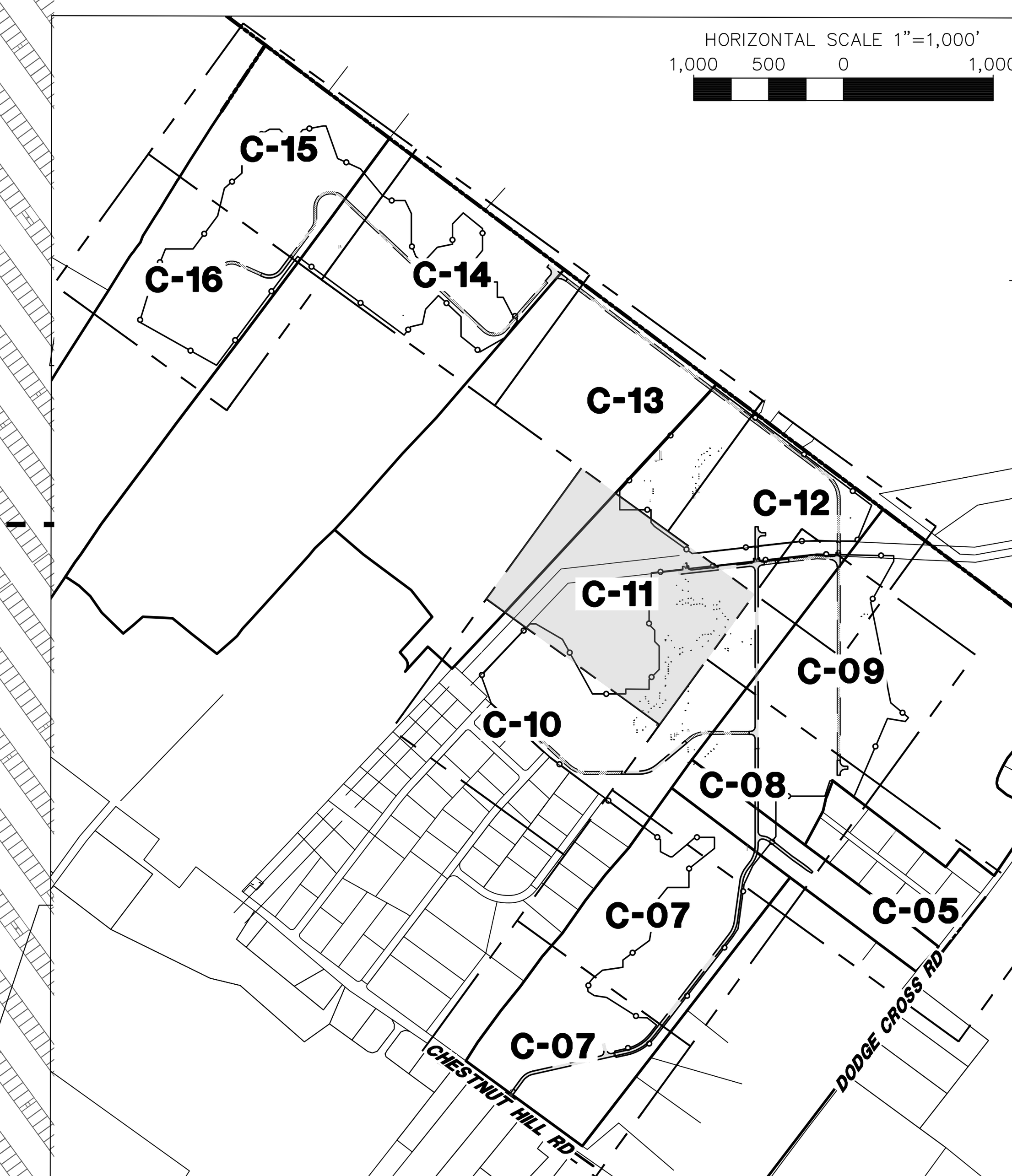
FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-10



MATCHLINE (SHEET C-13)
MATCHLINE (SHEET C-12)
MATCHLINE (SHEET C-09)
MATCHLINE (SHEET C-08)
MATCHLINE (SHEET C-10)
UTILITY POLE #1 (NEW EVERSOURCE LOAD BREAK)
UTILITY POLE #2 (EVERSOURCE RECLOSER)
DRIVEWAY 3
Now or Formerly
GREATWOODS LLC
68 PRISCILLA LANE
AUBURN, NH 03032
BOOK 5080, PAGE 166
PARCEL ID: R17-033-000
WETLAND BUFFER IMPACT AREA #2
23,287± S.F. CLASS TWO
WETLAND BUFFER IMPACT AREA #1
12,872± S.F. CLASS TWO
POINT OF INTERCONNECTION (POI)
UPLANDS
WETLAND BUFFER IMPACT AREA #6
147,187± S.F. CLASS TWO
VERNAL POOL
TRANSMISSION LINE POLE (TYP.)
PSNH 3174 #37
WETLAND IMPACT AREA#11
PERMANENT 47 SF (47 ANCHORS)
TEMPORARY 7,556 SF
WETLAND IMPACT AREA#13
PERMANENT 40 SF (40 ANCHORS)
TEMPORARY 6,330
WETLAND IMPACT AREA#16
PERMANENT 109 SF (109 ANCHORS)
TEMPORARY 14,835 SF
WETLAND BUFFER IMPACT AREA #7
139,755± S.F. CLASS ONE
PROPOSED FENCE (SEE DETAILS)
15' SIDE SETBACK
WOODS ROAD
100' CLASS 1
UPLANDS
APPROX. LIMITS OF TREE CLEARING (TYP.)
WETLAND IMPACT AREA#15
PERMANENT 324 SF (324 ANCHORS)
TEMPORARY 43,559 SF
APPROX. LIMITS OF TREE CLEARING (TYP.)
HORIZONTAL SCALE 1"=60'
60 30 0 60

NOTES

1. SEE NOTES ON SHEET C-04.



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SITE LAYOUT PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

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PREPARED FOR
WALDEN RENEWABLES

SCALE: AS NOTED **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE – NICHOLAS C. GOLON No. 14086 LICENSED PROFESSIONAL ENGINEER – 2/24/25

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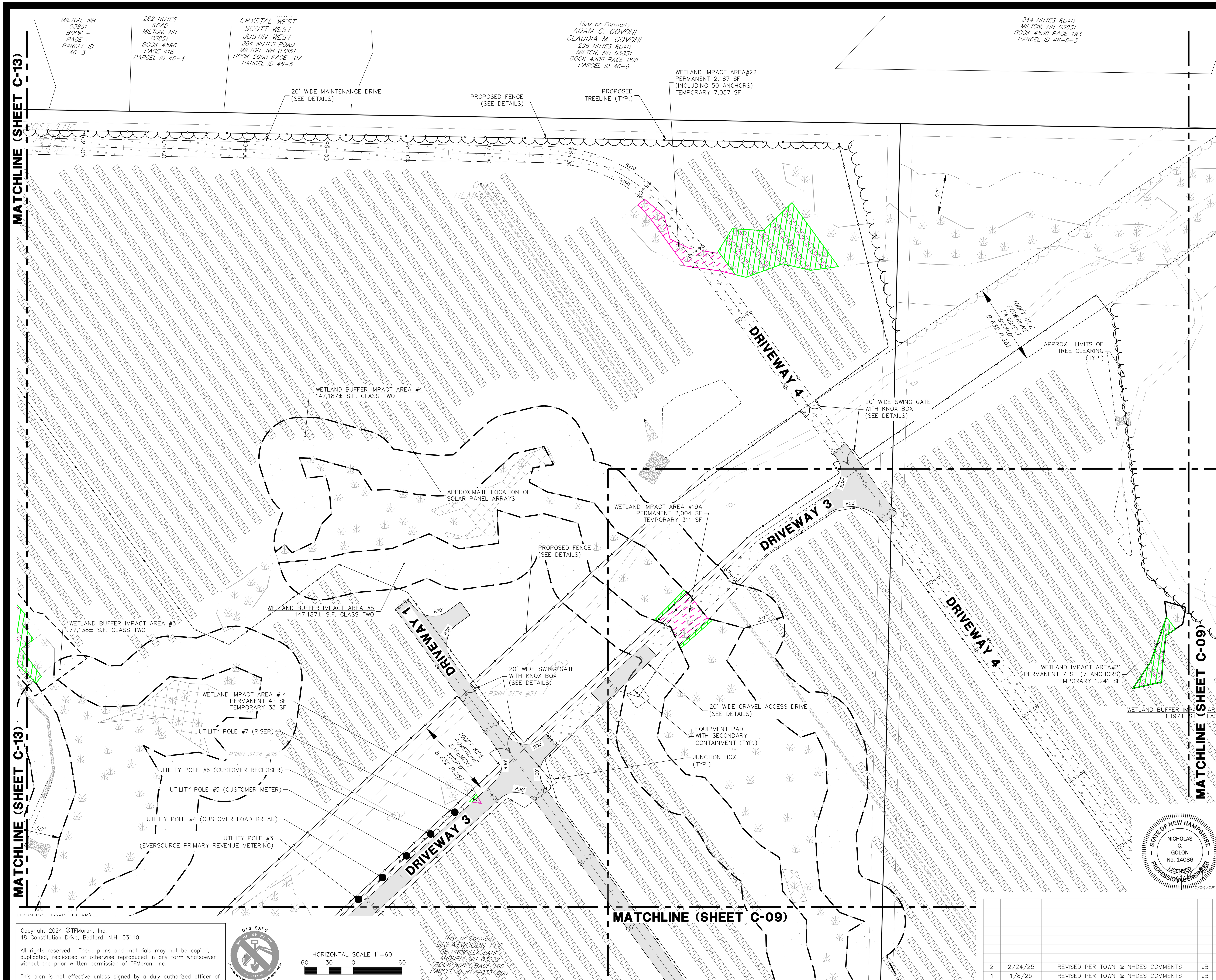
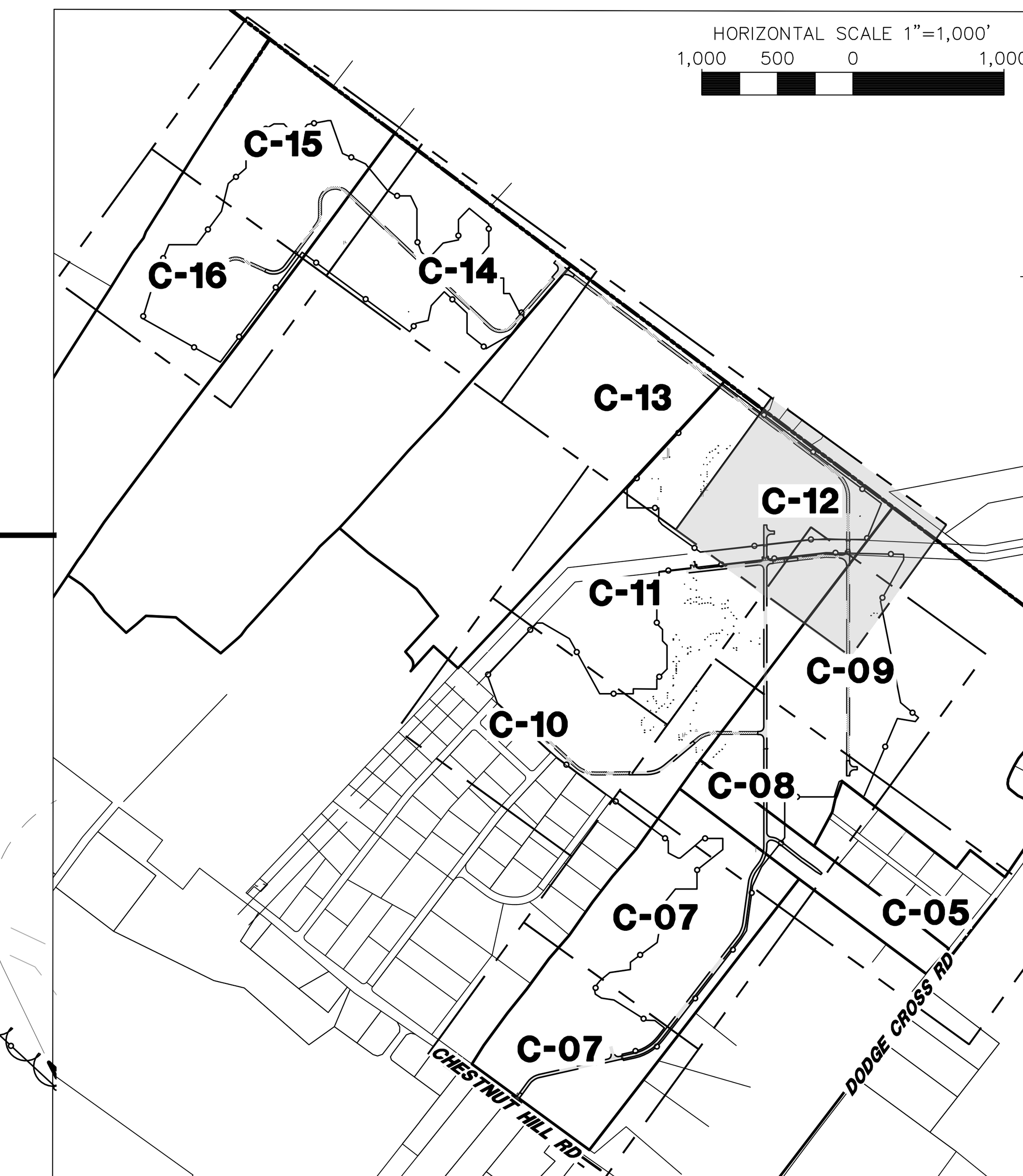
FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-11



MATCHLINE (SHEET C-13)
MATCHLINE (SHEET C-09)
MILTON, NH 03851 BOOK – PAGE – PARCEL ID 46-3
282 NUTES ROAD MILTON, NH 03851 BOOK 4596 PAGE 418 PARCEL ID 46-4
CRYSTAL WEST SCOTT WEST JUSTIN WEST 284 NUTES ROAD MILTON, NH 03851 BOOK 5000 PAGE 707 PARCEL ID 46-5
Now or Formerly ADAM C. GOVONI CLAUDIA M. GOVONI 296 NUTES ROAD MILTON, NH 03851 BOOK 4206 PAGE 008 PARCEL ID 46-6
344 NUTES ROAD MILTON, NH 03851 BOOK 4538 PAGE 193 PARCEL ID 46-6-3
20' WIDE MAINTENANCE DRIVE (SEE DETAILS)
PROPOSED FENCE (SEE DETAILS)
PROPOSED TREELINE (TYP.)
WETLAND IMPACT AREA #22 PERMANENT 2,187 SF (INCLUDING 50 ANCHORS) TEMPORARY 7,057 SF
100FT WIDE POWERLINE EASEMENT B.6.32 P.282
APPROX. LIMITS OF TREE CLEARING (TYP.)
DRIVEWAY 4
20' WIDE SWING GATE WITH KNOX BOX (SEE DETAILS)
WETLAND BUFFER IMPACT AREA #4 147,187± S.F. CLASS TWO
APPROXIMATE LOCATION OF SOLAR PANEL ARRAYS
WETLAND IMPACT AREA #19A PERMANENT 2,004 SF TEMPORARY 311 SF
DRIVEWAY 3
PROPOSED FENCE (SEE DETAILS)
WETLAND BUFFER IMPACT AREA #5 147,187± S.F. CLASS TWO
WETLAND BUFFER IMPACT AREA #3 77,138± S.F. CLASS TWO
DRIVEWAY 1
20' WIDE SWING GATE WITH KNOX BOX (SEE DETAILS)
WETLAND IMPACT AREA #14 PERMANENT 42 SF TEMPORARY 33 SF
20' WIDE GRAVEL ACCESS DRIVE (SEE DETAILS)
EQUIPMENT PAD WITH SECONDARY CONTAINMENT (TYP.)
JUNCTION BOX (TYP.)
UTILITY POLE #7 (RISER)
UTILITY POLE #6 (CUSTOMER RECLOSER)
UTILITY POLE #5 (CUSTOMER METER)
UTILITY POLE #4 (CUSTOMER LOAD BREAK)
UTILITY POLE #3 (EVERSOURCE PRIMARY REVENUE METERING)
WETLAND IMPACT AREA #21 PERMANENT 7 SF (7 ANCHORS) TEMPORARY 1,241 SF
WETLAND BUFFER IMPACT AREA 1,197± S.F. CLASS
Now or Formerly DREATWOODS LLC 58 PRISCILLA LANE AUBURN, NH 03032 BOOK 5080 PAGE 166 PARCEL ID R17-033-000
HORIZONTAL SCALE 1"=60'
60 30 0 60

NOTES

1. SEE NOTES ON SHEET C-04.



LOCUS MAP

SCALE: 1"=1000'

NICHOLAS C. GOLON No. 14086 LICENSED PROFESSIONAL ENGINEER — STATE OF NEW HAMPSHIRE 2/24/25

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SITE LAYOUT PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

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VARIOUS PARTIES

PREPARED FOR
WALDEN RENEWABLES

SCALE: AS NOTED **NOVEMBER 13, 2024**

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www.tfmoran.com

47587-00 DR JB FB – CK NG CADFILE 47587-00 DESIGN_LAYOUT C-12

MATCHLINE (SHEET C-14)

MATCHLINE (SHEET C-12)

MATCHLINE (SHEET C-11)

174 NUTES ROAD
MILTON, NH 03851
BOOK 3902 PAGE 735
PARCEL ID 46-01

RISER POLE #11

RISER POLE #10

RISER POLE #9

RISER POLE #8

20' WIDE MAINTENANCE DRIVE (SEE DETAILS)

20' WIDE SWING GATE WITH KNOX BOX (SEE DETAILS)

DRIVEWAY 4

OLD LOGGING ROADS(TYP.)

HEMLOCK

REAR SETBACK

SIDE SETBACK

PROPOSED TREELINE (TYP.)

VEGETATED BUFFER
HYDOLOGIC SOIL GROUP B
FORRESTED LENGTH OF FLOW PATH=60' MIN.

EQUIPMENT PAD WITH SECONDARY CONTAINMENT (TYP.)

UGE TERMINATION POINT (COORDINATE FINAL DESIGN WITH ELECTRICAL ENGINEER) (TYP.)

APPROXIMATE LOCATION OF SOLAR PANEL ARRAYS

APPROX. LIMITS OF TREE CLEARING (TYP.)

WETLAND IMPACT AREA#10A
PERMANENT 85 SF (85 ANCHORS)
TEMPORARY 11,245 SF

WETLAND IMPACT AREA#10B
PERMANENT 66 SF (66 ANCHORS)
TEMPORARY 11,199 SF

Now or Formerly
JONATHAN D. CARDINAL AND COURTNEY L. CARDINAL, AS TRUSTEES OF THE JONATHAN D. CARDINAL AND COURTNEY L. CARDINAL REVOCABLE LIVING TRUST
85 GREAT PINE CIRCLE
FARMINGTON, NH 03835
PLAN NO. 105-47
BOOK 5134, PAGE 831
PARCEL ID R18-010-000

HORIZONTAL SCALE 1"=60'
60 30 0 60

NOTES

1. SEE NOTES ON SHEET C-04.

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000

N

C-15 C-16 C-14 C-13 C-12 C-11 C-09 C-10 C-08 C-07 C-05 C-07

CHESTNUT HILL RD

DODGE CROSS RD

LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SITE LAYOUT PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

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STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
12/24/25

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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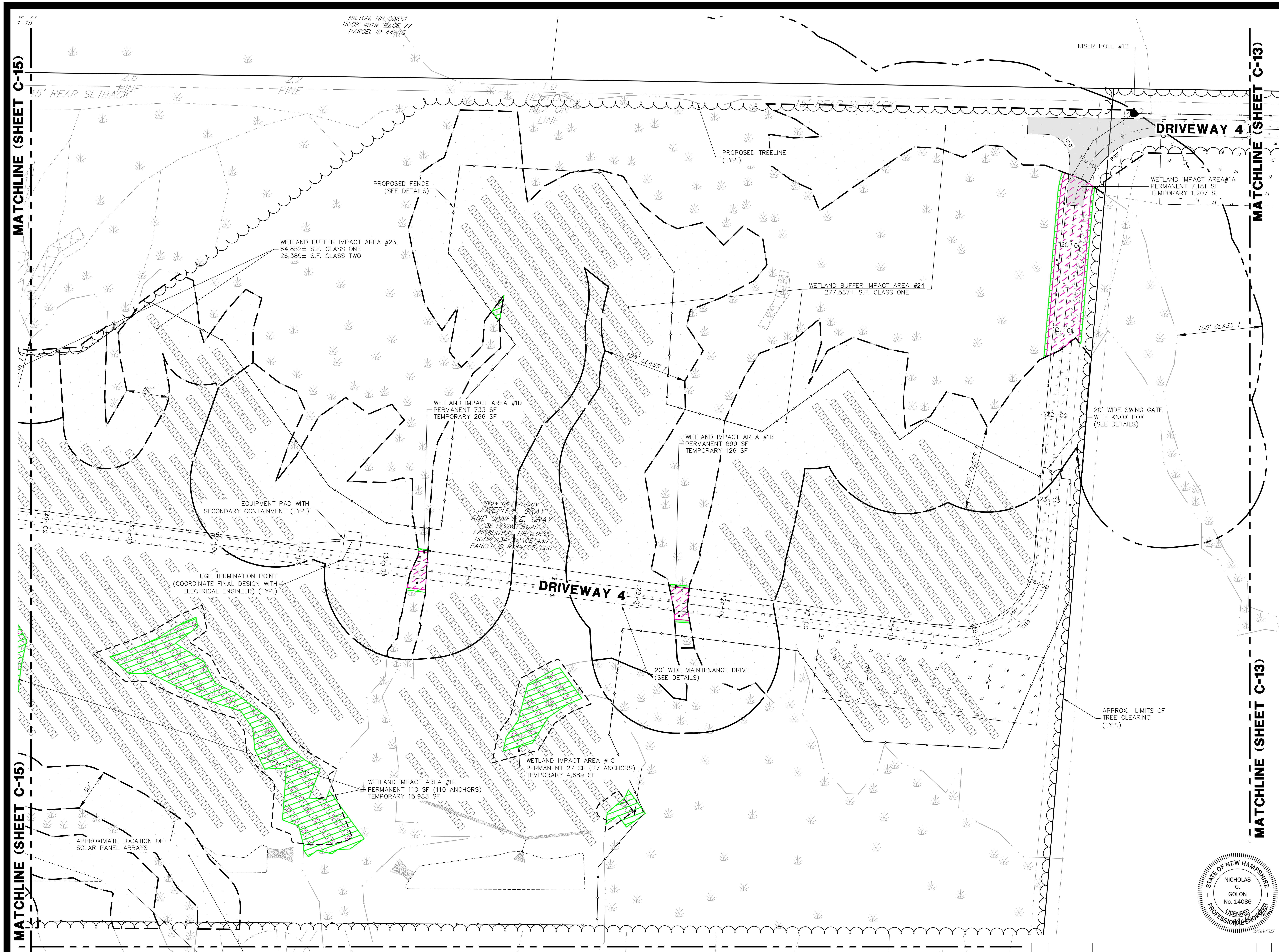
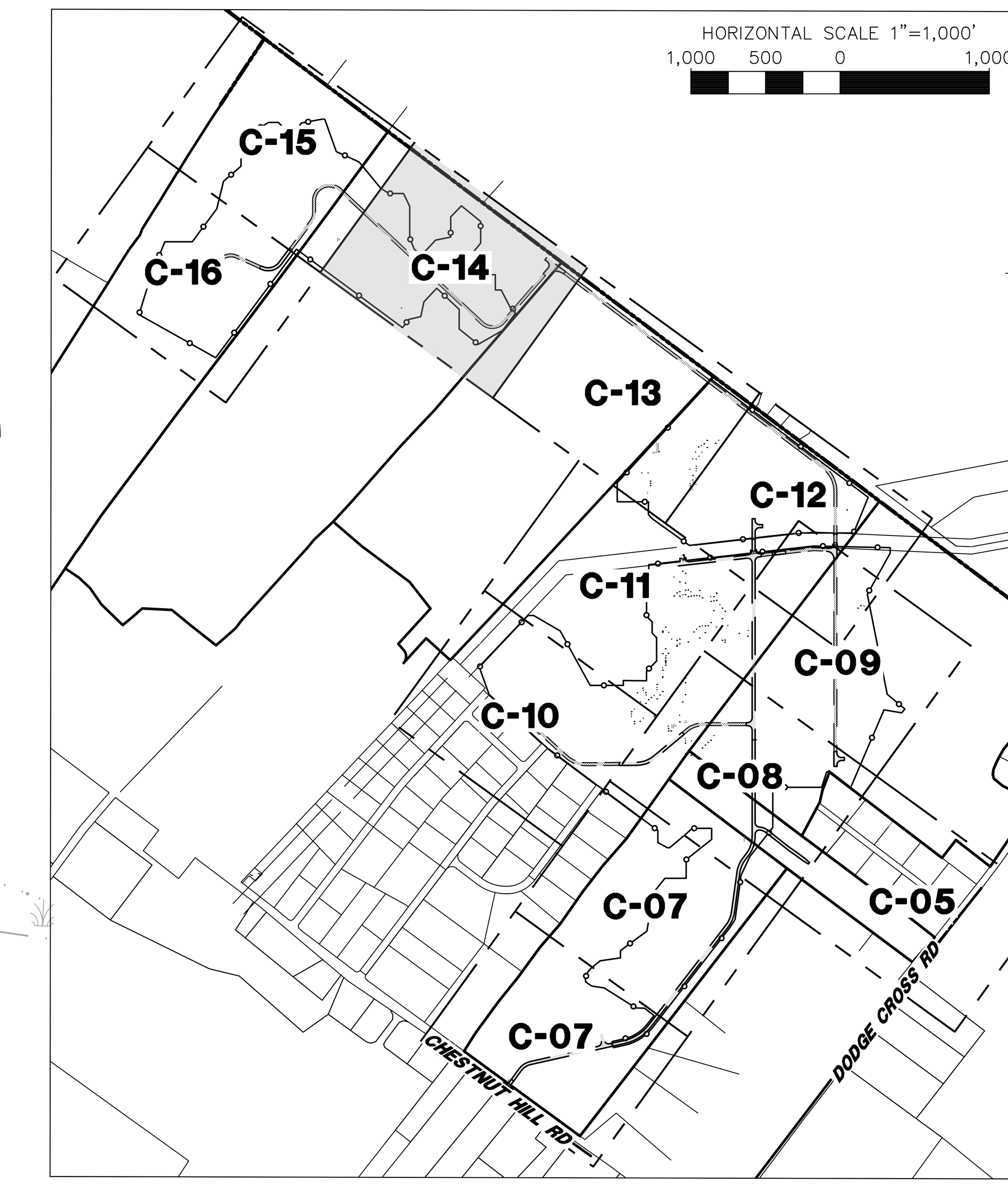
FILE	DR	JB	FB	–	C-13
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	


MATCHLINE (SHEET C-15)
MATCHLINE (SHEET C-13)
MILTON, NH 03851
BOOK 4919, PAGE 77
PARCEL ID 44-15
RISER POLE #12
DRIVEWAY 4
PROPOSED TREELINE (TYP.)
PROPOSED FENCE (SEE DETAILS)
WETLAND IMPACT AREA #1A
PERMANENT 7,181 SF
TEMPORARY 1,207 SF
WETLAND BUFFER IMPACT AREA #23
64,852± S.F. CLASS ONE
26,389± S.F. CLASS TWO
WETLAND BUFFER IMPACT AREA #24
277,587± S.F. CLASS ONE
100' CLASS 1
WETLAND IMPACT AREA #1D
PERMANENT 733 SF
TEMPORARY 266 SF
WETLAND IMPACT AREA #1B
PERMANENT 699 SF
TEMPORARY 126 SF
20' WIDE SWING GATE WITH KNOX BOX (SEE DETAILS)
EQUIPMENT PAD WITH SECONDARY CONTAINMENT (TYP.)
Now or Formerly
JOSEPH E. GRAY
AND JANET E. GRAY
UGE TERMINATION POINT (COORDINATE FINAL DESIGN WITH ELECTRICAL ENGINEER) (TYP.)
20' WIDE MAINTENANCE DRIVE (SEE DETAILS)
APPROX. LIMITS OF TREE CLEARING (TYP.)
WETLAND IMPACT AREA #1C
PERMANENT 27 SF (27 ANCHORS)
TEMPORARY 4,689 SF
WETLAND IMPACT AREA #1E
PERMANENT 110 SF (110 ANCHORS)
TEMPORARY 15,983 SF
APPROXIMATE LOCATION OF SOLAR PANEL ARRAYS

NOTES

1. SEE NOTES ON SHEET C-04.



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SITE LAYOUT PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY
VARIOUS PARTIES

PREPARED FOR
WALDEN RENEWABLES

SCALE: AS NOTED **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE — NICHOLAS C. GOLON No. 14086 LICENSED PROFESSIONAL ENGINEER — 2/24/25

REV	DATE	DESCRIPTION	DR	CK
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	CK NG	CADFILE	47587-00 DESIGN_LAYOUT	

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HORIZONTAL SCALE 1"=60'
60 30 0 60

PARCEL ID 44-14

BOOK 4919, PAGE 77
PARCEL ID 44-15

1.1 HEMLOCK BLZ ON LINE

15' REAR SETBACK

15' REAR

MATCHLINE (SHEET C-14)

WETLAND BUFFER IMPACT AREA #19
60,448± S.F. CLASS ONE
138,579± S.F. CLASS TWO

WETLAND BUFFER IMPACT AREA #18
127,856± S.F. CLASS TWO

Now or Formerly
RAYMOND H. JONES
JESSICA M.
WEBSTER-JONES
66 MOUNT DELIGHT ROAD
DERRYFIELD, NH 03037
BOOK 5186 PAGE 402
PARCEL ID R18-003-000

PROPOSED TREELINE (TYP.)

WETLAND BUFFER IMPACT AREA #17
13,019± S.F. CLASS ONE
815± S.F. CLASS TWO

100' CLASS I

WETLAND IMPACT AREA #6
PERMANENT 316 SF
TEMPORARY 74 SF

Now or Formerly
STANLEY JAMES GLIDDEN
AND BOBBIE-JO GLIDDEN
19 GLIDDEN LANE
FARMINGTON, NH 03835
BOOK 4478 PAGE 180
PARCEL ID R33-002-000

15' OAK SIDE SETBACK

UPLANDS

50'

PROPOSED FENCE (SEE DETAILS)

APPROXIMATE LOCATION OF SOLAR PANEL ARRAYS

DRIVEWAY 4

40+00

41+00

42+00

43+00

44+00

45+00

20' WIDE MAINTENANCE DRIVE (SEE DETAILS)

MATCHLINE (SHEET C-14)

WETLAND BUFFER IMPACT AREA #20
18,779± S.F. CLASS TWO

MATCHLINE (SHEET C-16)

UGE TERMINATION POINT (COORDINATE FINAL DESIGN WITH ELECTRICAL ENGINEER) (TYP.)

HORIZONTAL SCALE 1"=60'
60 30 0 60

NOTES

1. SEE NOTES ON SHEET C-04.

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000

N

C-15
C-16
C-14
C-13
C-12
C-11
C-09
C-10
C-08
C-07
C-05
C-07
CHESTNUT HILL RD
DODGE CROSS RD

LOCUS MAP
SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SITE LAYOUT PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
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STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
5/24/25

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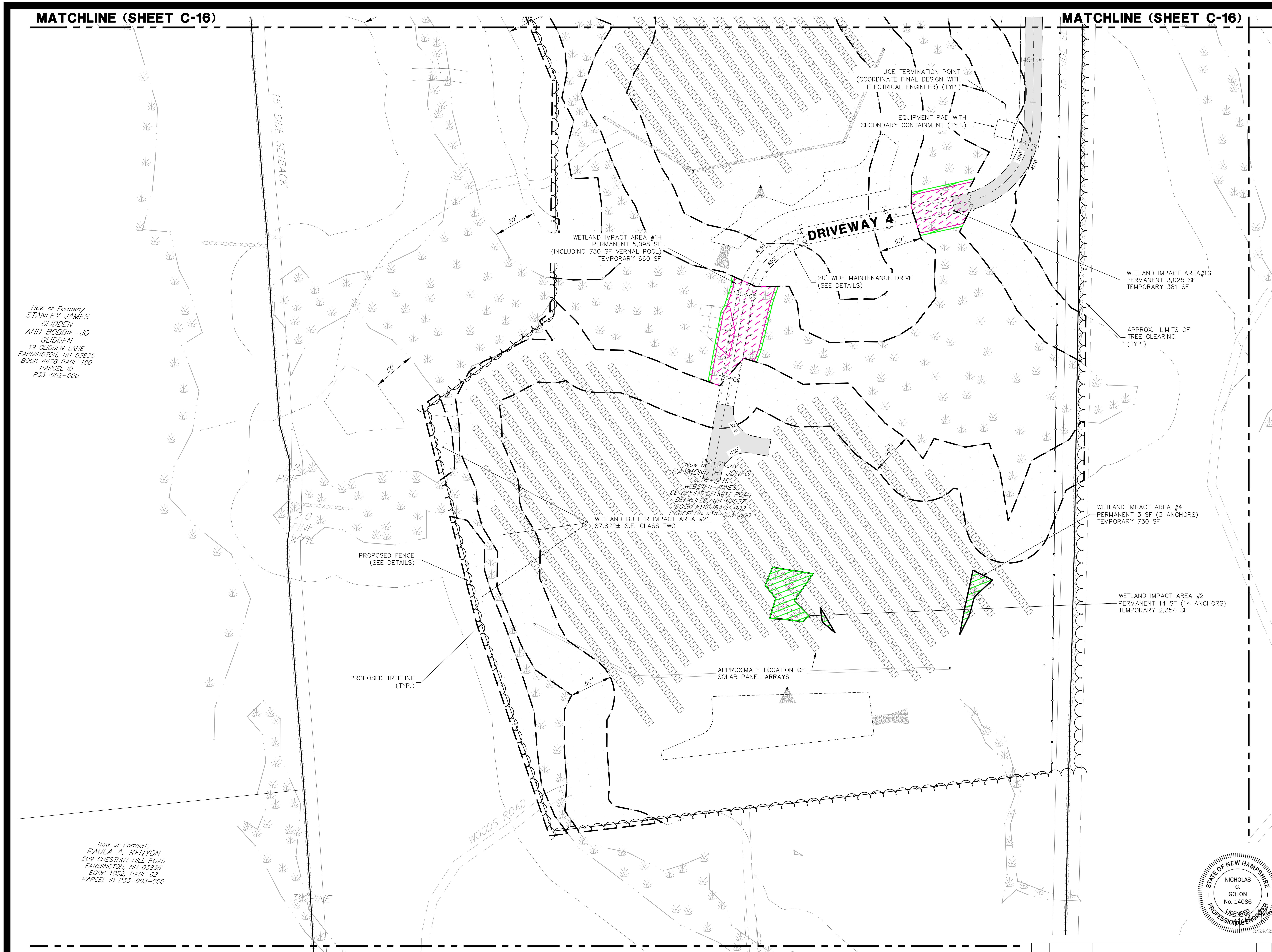
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-15

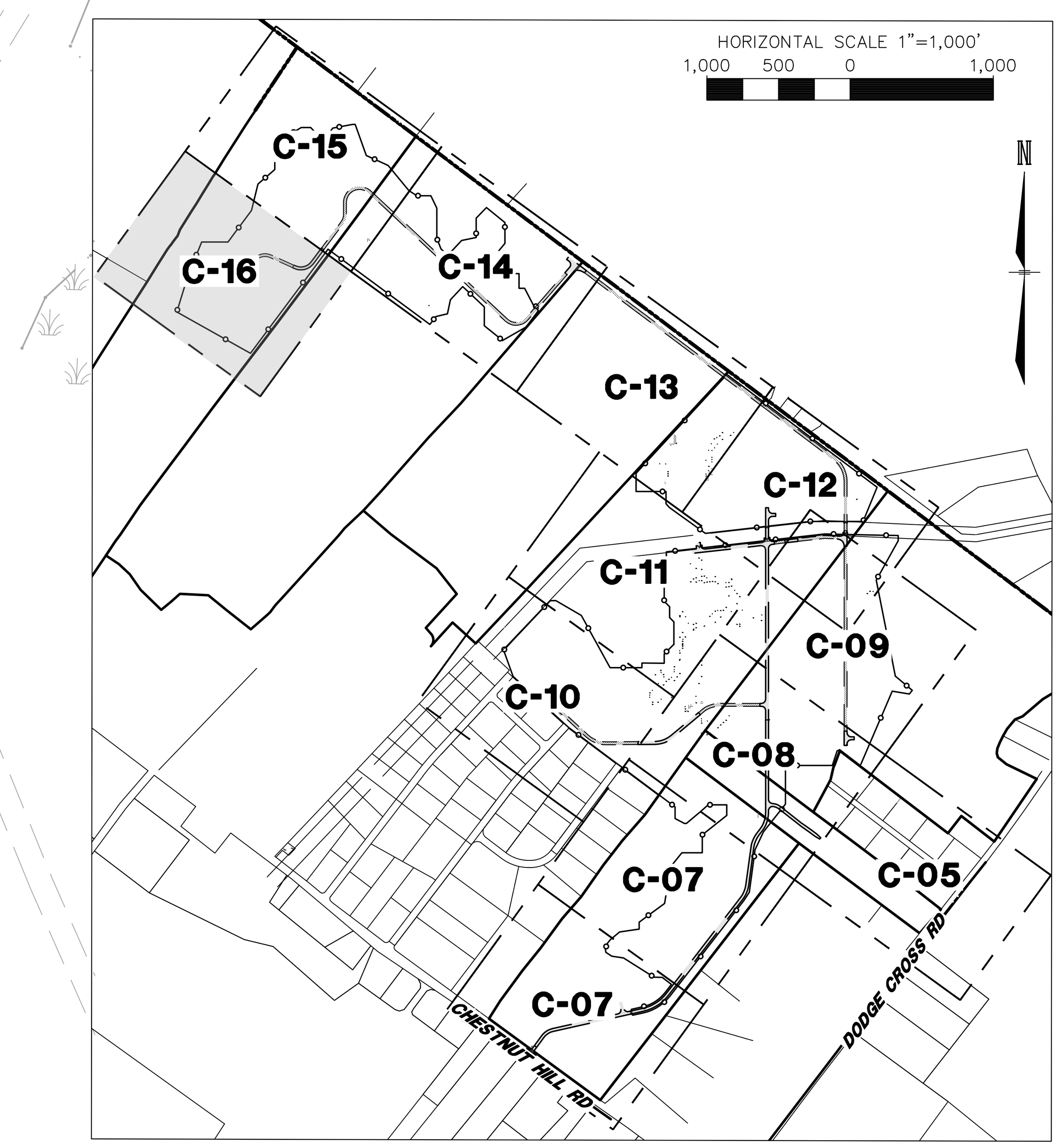
MATCHLINE (SHEET C-16)



MATCHLINE (SHEET C-16)
MATCHLINE (SHEET C-16)
15' SIDE SETBACK
UGE TERMINATION POINT (COORDINATE FINAL DESIGN WITH ELECTRICAL ENGINEER) (TYP.)
EQUIPMENT PAD WITH SECONDARY CONTAINMENT (TYP.)
DRIVEWAY 4
WETLAND IMPACT AREA #1H PERMANENT 5,098 SF (INCLUDING 730 SF VERNAL POOL) TEMPORARY 660 SF
20' WIDE MAINTENANCE DRIVE (SEE DETAILS)
WETLAND IMPACT AREA #1G PERMANENT 3,025 SF TEMPORARY 381 SF
APPROX. LIMITS OF TREE CLEARING (TYP.)
Now or Formerly STANLEY JAMES GLIDDEN AND BOBBIE-JO GLIDDEN 19 GLIDDEN LANE FARMINGTON, NH 03835 BOOK 4478 PAGE 180 PARCEL ID R33-002-000
Now or Formerly RAYMOND H. JONES WEBSTER-JONES 66 MOUNT DELIGHT ROAD DEERFIELD, NH 03037 BOOK 5186 PAGE 402
WETLAND BUFFER IMPACT AREA #21 87,822± S.F. CLASS TWO
WETLAND IMPACT AREA #4 PERMANENT 3 SF (3 ANCHORS) TEMPORARY 730 SF
PROPOSED FENCE (SEE DETAILS)
WETLAND IMPACT AREA #2 PERMANENT 14 SF (14 ANCHORS) TEMPORARY 2,354 SF
PROPOSED TREELINE (TYP.)
APPROXIMATE LOCATION OF SOLAR PANEL ARRAYS
WOODS ROAD
Now or Formerly PAULA A. KENYON 509 CHESTNUT HILL ROAD FARMINGTON, NH 03835 BOOK 1052, PAGE 62 PARCEL ID R33-003-000

NOTES

1. SEE NOTES ON SHEET C-04.



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SITE LAYOUT PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

SCALE: AS NOTED **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE — NICHOLAS C. GOLON No. 14086 LICENSED PROFESSIONAL ENGINEER — 2/24/25

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47587-00	DR JB	FB	–		C-16
	CK NG	CADFILE	47587-00 DESIGN_LAYOUT		

HORIZONTAL SCALE 1"=60'
60 30 0 60

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NOTES

1. SEE SITE PREPARATION NOTES ON SHEET C-02.
2. SEE GRADING & DRAINAGE NOTES ON SHEET C-02.
3. SEE CONSTRUCTION SEQUENCING AND EROSION CONTROL NOTES ON SHEET C-02.
4. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.
5. SEE CONSTRUCTION PHASING NOTES ON SHEET C-02 AND PHASING PLAN SHEET PH-01.

HORIZONTAL SCALE 1"=200'
200 100 0 200

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

OVERALL GRADING & DRAINAGE PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
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SCALE: 1"=200' **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
5/24/25

REV	DATE	DESCRIPTION	DR	CK
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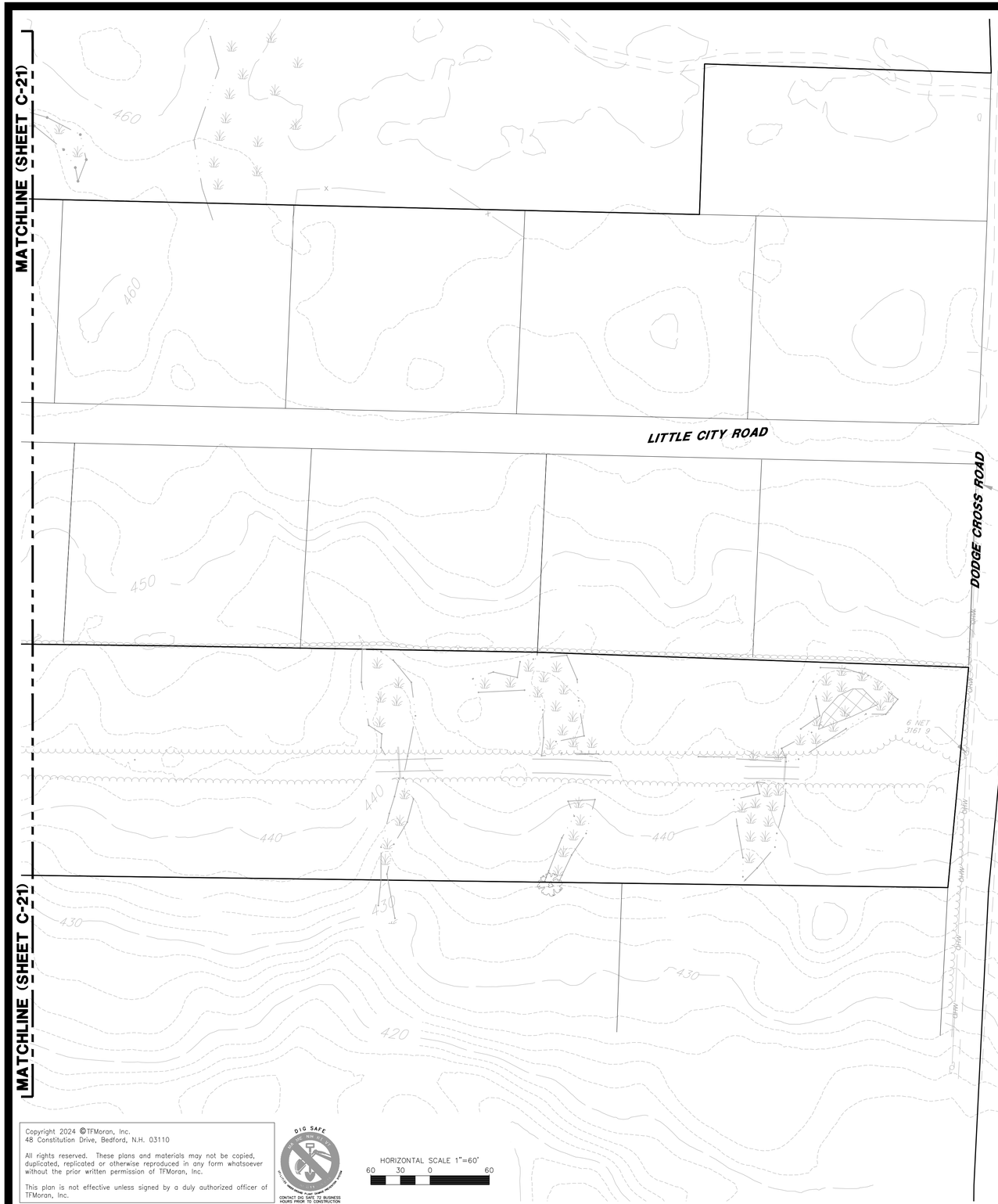
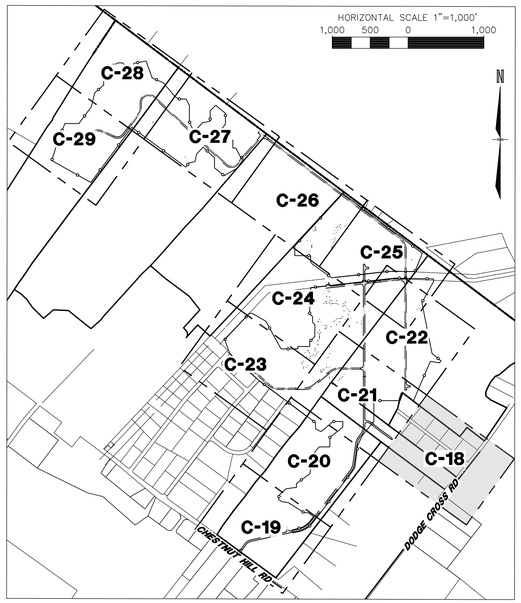
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-17



NOTES

1. SEE NOTES ON SHEET C-17.



LOCUS MAP
SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

GRADING & DRAINAGE PLAN

LILAC STATE SOLAR PROJECT

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HORIZONTAL SCALE 1"=60'
60 30 0 60

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47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-18

MATCHLINE (SHEET C-20)

MATCHLINE (SHEET C-20)

NOTES

1. SEE NOTES ON SHEET C-17.

INFILTRATION BASIN #3
BERM=336.0
BTTM.ELEV=332.0

6' WIDE BERM
ELEV=336.0

6'WX9'L SPILLWAY
ELEV=335.5

WETLAND BUFFER IMPACT AREA #10
1,724± S.F. CLASS TWO

12" RCP
L=24', S=0.020

FES D1-3
INV(IN)=317.56

WETLAND BUFFER IMPACT AREA #11
7,206± S.F. CLASS TWO

FES D1-4
INV(OUT)=317.00

WETLAND IMPACT AREA #32C
PERMANENT 1,039 SF
TEMPORARY 184 SF

SEDIMENT FOREBAY #2
WEIR ELEV=311.25
BTTM.ELEV=309.25

WETLAND BUFFER IMPACT AREA #12
49,638± S.F. CLASS ONE

6' WIDE BERM
ELEV=312.0

6'WX12'L SPILLWAY
ELEV=311.75

INFILTRATION BASIN #2
BERM=312.0
BTTM.ELEV=309.25

WETLAND IMPACT AREA #32A
PERMANENT 201 SF
TEMPORARY 55 SF

DRIVEWAY 1

12" RCP
L=33', S=0.009

FES D1-1

FES D1-2
INV(OUT)=307.16

6'WX9'L SPILLWAY
ELEV=311.5

6' WIDE BERM
ELEV=312.0

WETLAND BUFFER IMPACT AREA #13
36,481± S.F. CLASS ONE

WETLAND IMPACT AREA #32B
PERMANENT 3,511 SF
TEMPORARY 477 SF

PROPOSED
TREELINE (TYP.)

SEDIMENT FOREBAY #1
WEIR ELEV=311.5
BTTM.ELEV=309.5

INFILTRATION BASIN #1
BERM=312.0
BTTM.ELEV=309.5

100' CLASS 1

50'

CHESTNUT HILL ROAD

PSNH/316/60.5/
34.5NET&T CO

PSNH/316/59/BELL
ATLANTIC
BELL 36/1 TRANS

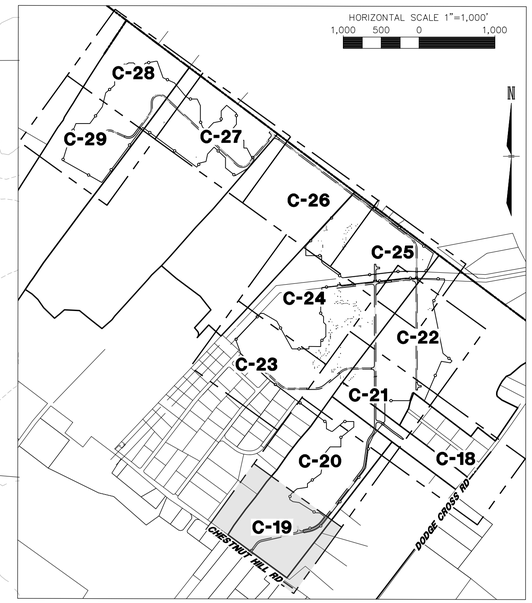
PSNH/316/60
3.5TP/1 TRANS

PSNH/316/61
NET&T CO/34
1 TRANS

PSNH/316/60/
6/35NET&T CO

POST/BW/2"

HORIZONTAL SCALE 1"=60'
60 30 0 60



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

GRADING & DRAINAGE PLAN

LILAC STATE SOLAR PROJECT

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OWNED BY

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PREPARED FOR

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FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-19

MATCHLINE (SHEET C-21)

MATCHLINE (SHEET C-21)

MATCHLINE (SHEET C-23)

SEDIMENT FOREBAY #12 WEIR=410.0 BTTM.ELEV=408.0

6'WX9'L SPILLWAY ELEV=411.5

6' WIDE BERM ELEV=412.0

INFILTRATION BASIN #12 BERM=412.0 BTTM. ELEV=409.0

PROPOSED TREELINE (TYP.)

WETLAND BUFFER IMPACT AREA #9
58,093± S.F. CLASS TWO

INLINE DRAIN RIM=360.0 INV. IN=356.0 INW. OUT=356.0

12" HDPE, 38 LF S = 0.005 FT/FT

INLINE DRAIN RIM=359.8 INV. IN=355.8 INV. OUT=355.8

INLINE DRAIN RIM=344.0 INV. IN=340.0 INW. OUT=340.0

STONE INFILTRATION TRENCH. SLOPE ALONG TRENCH SURFACE=0.005 FT/FT (SEE DETAILS)

12" HDPE, 120 LF S = 0.005 FT/FT

INLINE DRAIN RIM=344.0 IN=339.4 INV. IN=339.4 INV. OUT=338.0

FES INV.=334.0

12" HDPE, 210 LF S = 0.005 FT/FT

12" HDPE, 50 LF S = 0.036 FT/FT

INLINE DRAIN RIM=358.0 INV. IN=354.0 INV. OUT=352.0

12" HDPE, 158 LF S = 0.078 FT/FT

12" HDPE, 55 LF S = 0.072 FT/FT

INLINE DRAIN RIM = 361.0 INV. OUT=357.0

STONE INFILTRATION TRENCH. SLOPE ALONG TRENCH SURFACE=0.005 FT/FT (SEE DETAILS)

DRIVEWAY 1

INFILTRATION BASIN #3 BERM=336.0 BTTM.ELEV=332.0

6' WIDE BERM ELEV=336.0

6'WX9'L SPILLWAY ELEV=335.5

12" RCP L=24', S=0.020

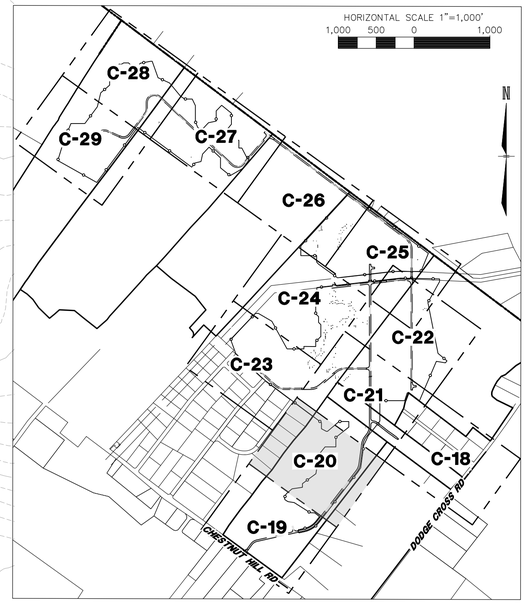
MATCHLINE (SHEET C-19)

HORIZONTAL SCALE 1"=60'
60 30 0 60

NOTES

1. SEE NOTES ON SHEET C-17.

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

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LILAC STATE SOLAR PROJECT

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MATCHLINE (SHEET C-22)

MATCHLINE (SHEET C-22)

MATCHLINE (SHEET C-23)

MATCHLINE (SHEET C-18)

MATCHLINE (SHEET C-20)

WETLAND IMPACT AREA#18
PERMANENT 6 SF (6 ANCHORS)
TEMPORARY 809 SF

INLINE DRAIN
RIM = 460.0
OUT=456.9

INLINE DRAIN
RIM=462.0
IN=456.2
OUT=456.1

12" HDPE
L = 144
S = 0.005

WETLAND IMPACT AREA #19B
PERMANENT 386 SF
TEMPORARY 315 SF

DRIVEWAY 4

WETLAND BUFFER IMPACT AREA #16
20,160± S.F. CLASS ONE

100' CLASS 1

12" HDPE
L=23'
S=0.005

FES
INV.=456.0

50'

INFILTRATION BASIN #15
BERM=460.0
BTTM.ELEV=456.0

6'WX9'L SPILLWAY
ELEV=459.75

6' WIDE BERM
ELEV=460.0

PROPOSED FENCE
(SEE DETAILS)

DRIVEWAY 1

12" RCP
L=28', S=0.020

FES D2-1
INV(IN)=443.00

FES D2-2
INV(OUT)=442.44

WETLAND IMPACT AREA #19C
PERMANENT 1,288 SF
TEMPORARY 282 SF

WETLAND IMPACT AREA#32
PERMANENT 2,666 SF
(INCLUDING 135 ANCHORS)
TEMPORARY 19,542 SF

DRIVEWAY 2

12" HDPE, 1
S = 0.005

INLINE DRAIN
RIM = 430.0
OUT=427.0

12" HDPE, 143 LF
S=0.01 FT/FT

FES OS#1
INV.=418.0

INFILTRATION BASIN #17
BERM=420.5
BTTM.ELEV=415.0

6'WX9'L SPILLWAY
ELEV

6' WIDE BERM
ELEV=420.5

PROPOSED FENCE
(SEE DETAILS)

WETLAND IMPACT AREA #30
PERMANENT 55 SF (55 ANCHORS)
TEMPORARY 8,987 SF

12" RCP CULVERT, 65 LF
S=0.046 FT/FT

PROPOSED TREELINE
(TYP.)

WETLAND IMPACT AREA#19D
PERMANENT 562 SF
TEMPORARY 249

NOTES

1. SEE NOTES ON SHEET C-17.

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000

C-28
C-29
C-27
C-26
C-25
C-24
C-22
C-23
C-21
C-20
C-18
C-19
CHESTNUT HILL RD
DODGE CROSS RD

LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

GRADING & DRAINAGE PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
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2/24/25

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CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

HORIZONTAL SCALE 1"=60'
60 30 0 60

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

TFM
Civil Engineers
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Traffic Engineers
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Scientists

48 Constitution Drive
Bedford, NH 03110
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Fax (603) 472-9747
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PROJ. NO.	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-21

MATCHLINE (SHEET C-25)

MATCHLINE (SHEET C-24)

MATCHLINE (SHEET C-21)

DRIVEWAY 3

DRIVEWAY 4

DRIVEWAY 1

WETLAND IMPACT AREA #19A
PERMANENT 2,004 SF
TEMPORARY 311 SF

FES D3-1
INV(IN)=471.00

12" RCP
L=28', S=0.020

FES D3-2
INV(OUT)=470.44

JUNCTION BOX
(TYP.)

WETLAND IMPACT AREA#21
PERMANENT 7 SF (7 ANCHORS)
TEMPORARY 1,241 SF

WETLAND BUFFER IMPACT AREA #14
1,197± S.F. CLASS TWO

100' CLASS

WETLAND IMPACT AREA#17
PERMANENT 228 SF
(INCLUDING 21 ANCHORS)
TEMPORARY 2,608 SF

WETLAND IMPACT AREA#16
PERMANENT 109 SF (109 ANCHORS)
TEMPORARY 14,835 SF

WETLAND IMPACT AREA#20
PERMANENT 11 SF (11 ANCHORS)
TEMPORARY 1,828 SF

INLINE DRAIN
RIM = 459.9
OUT=457.9

INLINE DRAIN
RIM = 460.0
OUT=456.9

INLINE DRAIN
RIM=462.0
IN=456.2
OUT=456.1

12" HDPE

INFILTRATION BASIN #20
BERM=464.0
BTTM.ELEV=462.0

6' WIDE BERM
ELEV=464.0

6'WX9'L SPILLWAY
ELEV=463.5

INFILTRATION BASIN #21
BERM=462.0
BTTM.ELEV=460.0

6' WIDE BERM
ELEV=462.0

6'WX9'L SPILLWAY
ELEV=461.5

PROPOSED TREELINE
(TYP.)

INFILTRATION BASIN #22
BERM=462.0
BTTM.ELEV=460.5

6' WIDE BERM
ELEV=462.0

6'WX9'L SPILLWAY
ELEV=461.5

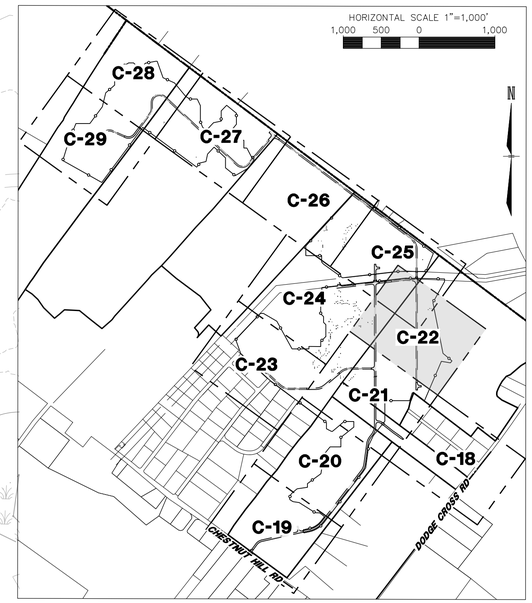
WETLAND BUFFER IMPACT AREA #15
56,529± S.F. CLASS TWO

HORIZONTAL SCALE 1"=60'
60 30 0 60

NOTES

1. SEE NOTES ON SHEET C-17.

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

GRADING & DRAINAGE PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

SCALE: AS NOTED **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
5/24/25

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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DIG SAFE
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MATCHLINE (SHEET C-24)

MATCHLINE (SHEET C-24)

MATCHLINE (SHEET C-21)

APPROX. LIMITS OF TREE CLEARING (TYP.)

100FT WIDE POWERLINE EASEMENT S.C.R.D. B: 632 P: 282

PROPOSED TREELINE (TYP.)

WETLAND BUFFER IMPACT AREA #8
45,802± S.F. CLASS ONE

INLINE DRAIN
RIM = 421.5
INV. OUT=418.5

12" HDPE, 250 LF
S = 0.004 FT/FT

INLINE DRAIN
RIM=420.5
INV. IN.=417.5
INV. IN=417.5
INV. OUT=417.5

12" HDPE, 155 LF
S = 0.008 FT/FT

STONE INFILTRATION TRENCH.
SLOPE ALONG TRENCH
SURFACE=0.008 FT/FT (SEE DETAILS)

INLINE DRAIN
RIM = 421.5
INV. OUT=418.5

INLINE DRAIN
RIM = 430.0
OUT=427.0

INLINE DRAIN
RIM = 430.85
OUT=426.0

12" HDPE, 200 LF
S = 0.005 FT/FT

6' WIDE BERM
ELEV=428.0

OS #1
(SEE DETAIL)

INFILTRATION BASIN #14
BERM=428.0
BTTM.ELEV=424.0

6'WX9'L SPILLWAY
ELEV=427.15

FES D2-3
INV(IN)=418.00

INLINE DRAIN
RIM=418.25
INV. IN.=415.1
INV. IN=415.1
INV. OUT=415.0

FES 30
INV.=414.0

12" RCP
L=28', S=0.030

12" HDPE, 268 LF
S = 0.008 FT/FT

12" HDPE, 11 LF
S = 0.05 FT/FT

FES D2-4
INV(OUT)=417.16

INLINE DRAIN
RIM = 418.25
OUT=415.50

6'WX9'L SPILLWAY
ELEV=419.75

6'WX9'L SPILLWAY
ELEV=415.5

STONE INFILTRATION TRENCH.
SLOPE ALONG TRENCH
SURFACE=0.004 FT/FT (SEE DETAILS)

6' WIDE BERM
ELEV=420.0

6' WIDE BERM
ELEV=416.0

FES D2-5
INV(IN)=411.00

12" RCP
L=28', S=0.020

STONE INFILTRATION TRENCH.
SLOPE ALONG TRENCH
SURFACE=0.008 FT/FT (SEE DETAILS)

DRIVEWAY 2

INFILTRATION BASIN #4
BERM=420.0
BTTM.ELEV=417.5

FES 2
INV.=417.5

12" HDPE, 9 LF
S = 0.02 FT/FT

WETLAND IMPACT AREA#10C
PERMANENT 482 SF
TEMPORARY 473 SF

FES D2-6
INV(OUT)=410.44

WETLAND IMPACT AREA#10D
PERMANENT 538 SF
TEMPORARY 88 SF

4'WX22'L
S=0.01 FT/FT

INFILTRATION BASIN #13
BERM=416.0
BTTM.ELEV=414.0

BRANSON ROAD

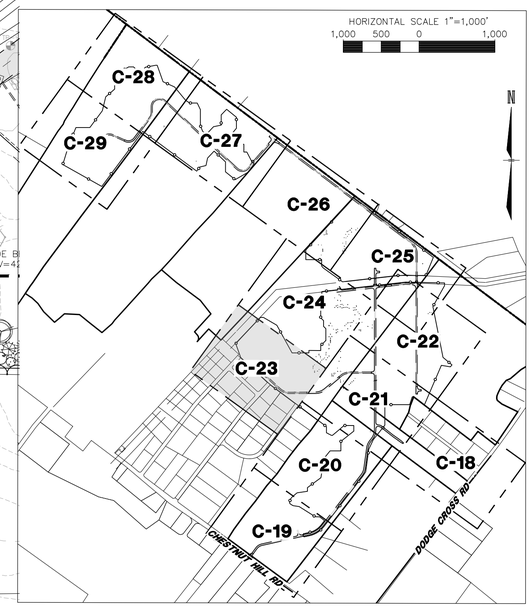
TALL PINE ROAD

OAKWOOD ROAD

NOTES

1. SEE NOTES ON SHEET C-17.

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000



LOCUS MAP

SCALE: 1"=1000'

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STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
11/24/25

HORIZONTAL SCALE 1"=60'
60 30 0 60

REV	DATE	DESCRIPTION	DR	CK
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1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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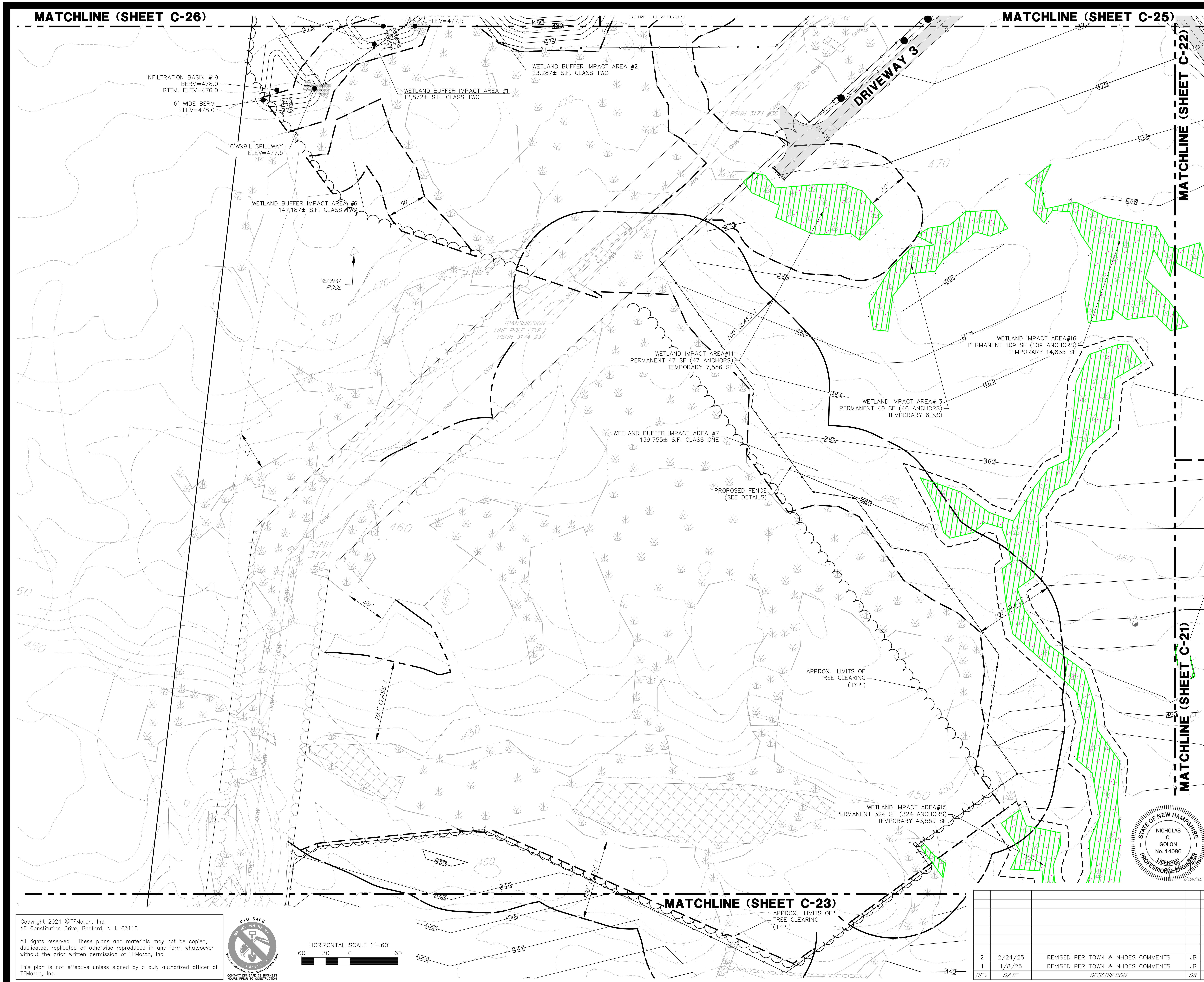
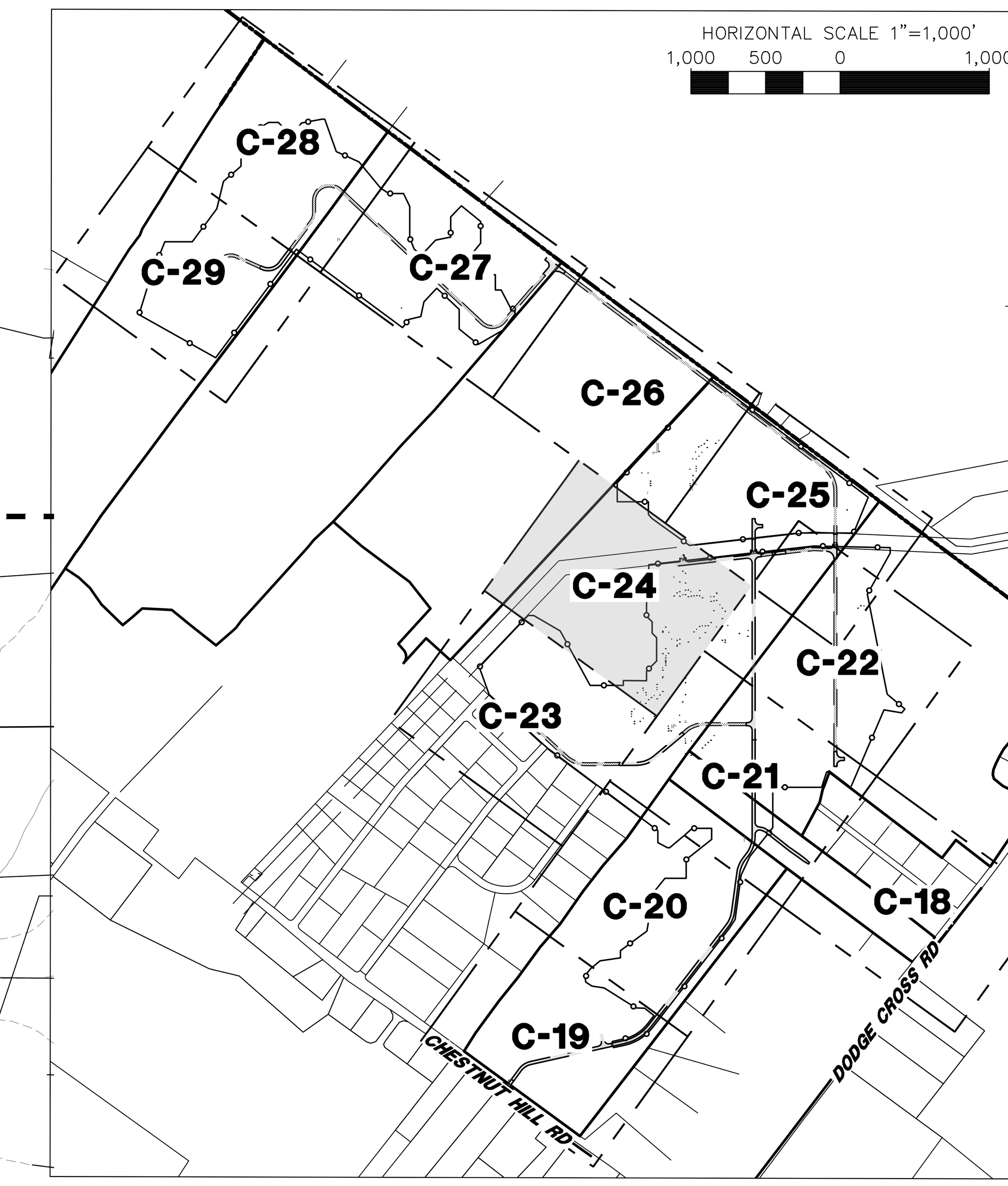
FILE	DR	JB	FB	–	C-23
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	



MATCHLINE (SHEET C-26)
MATCHLINE (SHEET C-25)
MATCHLINE (SHEET C-22)
MATCHLINE (SHEET C-21)
MATCHLINE (SHEET C-23)
DRIVEWAY 3
INFILTRATION BASIN #19
BERM=478.0
BTTM. ELEV=476.0
6' WIDE BERM
ELEV=478.0
6'WX9'L SPILLWAY
ELEV=477.5
WETLAND BUFFER IMPACT AREA #1
12,872± S.F. CLASS TWO
WETLAND BUFFER IMPACT AREA #2
23,287± S.F. CLASS TWO
WETLAND BUFFER IMPACT AREA #6
147,187± S.F. CLASS TWO
VERNAL POOL
TRANSMISSION LINE POLE (TYP.)
PSNH 3174 #37
WETLAND IMPACT AREA#11
PERMANENT 47 SF (47 ANCHORS)
TEMPORARY 7,556 SF
100' CLASS 1
WETLAND IMPACT AREA#16
PERMANENT 109 SF (109 ANCHORS)
TEMPORARY 14,835 SF
WETLAND IMPACT AREA#13
PERMANENT 40 SF (40 ANCHORS)
TEMPORARY 6,330
WETLAND BUFFER IMPACT AREA #7
139,755± S.F. CLASS ONE
PROPOSED FENCE
(SEE DETAILS)
APPROX. LIMITS OF
TREE CLEARING
(TYP.)
WETLAND IMPACT AREA#15
PERMANENT 324 SF (324 ANCHORS)
TEMPORARY 43,559 SF
50'
470
460
450
440

NOTES

1. SEE NOTES ON SHEET C-17.



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

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2/24/25

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	CK NG	CADFILE	47587-00 DESIGN_LAYOUT		

HORIZONTAL SCALE 1"=60'
60 30 0 60

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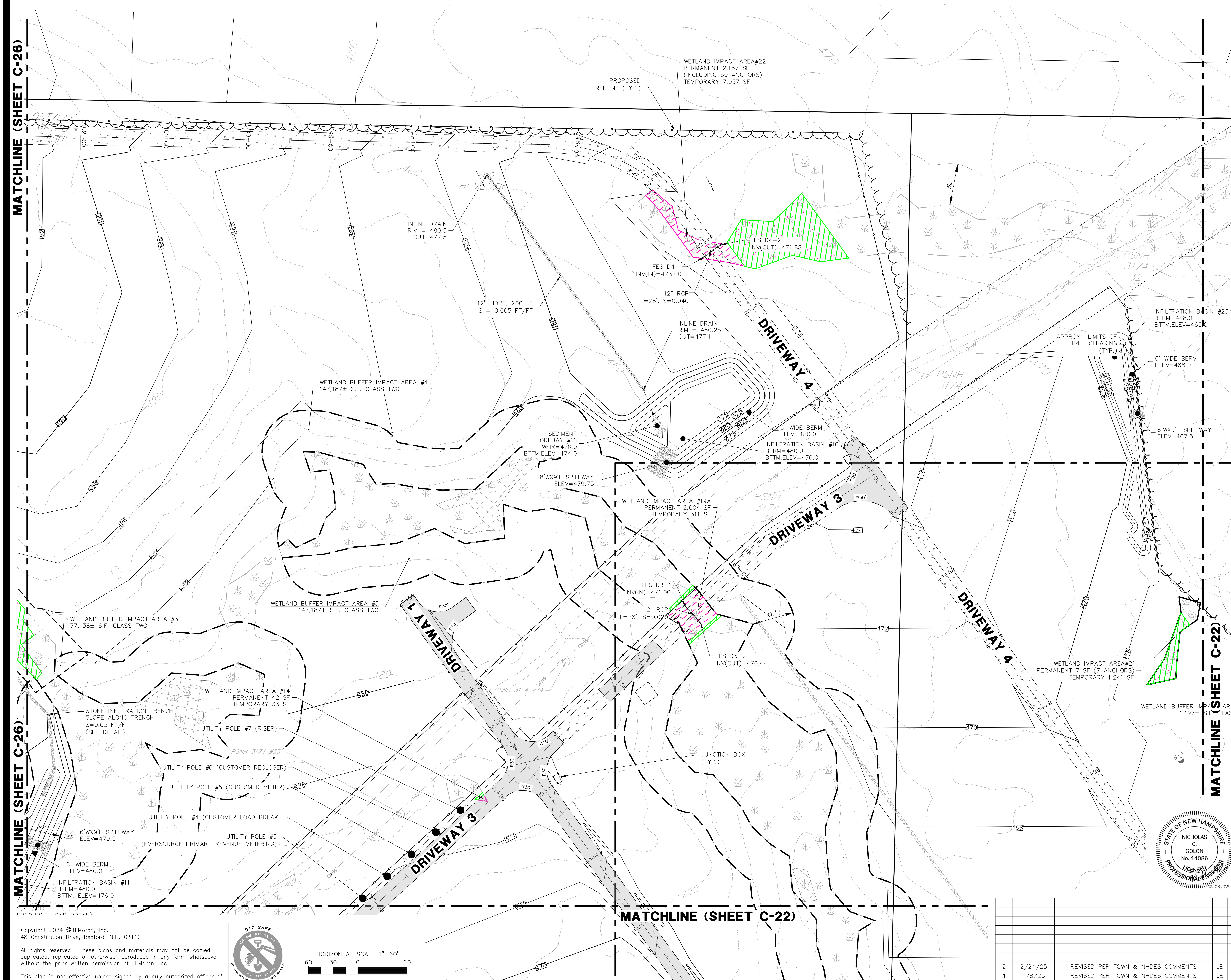
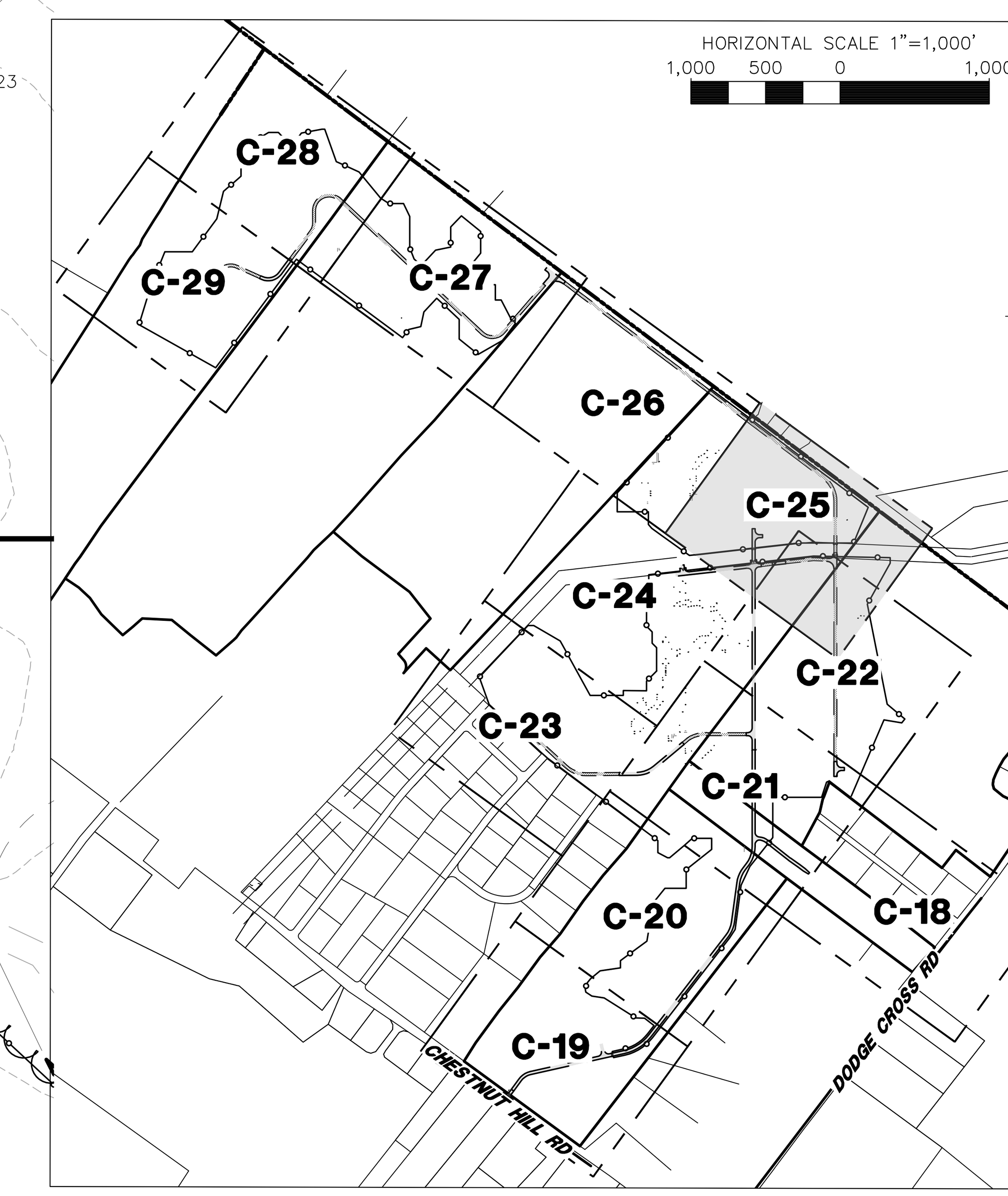
NOTES

1. SEE NOTES ON SHEET C-17.



MATCHLINE (SHEET C-26)
MATCHLINE (SHEET C-22)
WETLAND IMPACT AREA#22
PERMANENT 2,187 SF
(INCLUDING 50 ANCHORS)
TEMPORARY 7,057 SF
PROPOSED
TREELINE (TYP.)
INLINE DRAIN
RIM = 480.5
OUT=477.5
FES D4-2
INV(OUT)=471.88
FES D4-1
INV(IN)=473.00
12" RCP
L=28', S=0.040
12" HDPE, 200 LF
S = 0.005 FT/FT
INLINE DRAIN
RIM = 480.25
OUT=477.1
DRIVEWAY 4
WETLAND BUFFER IMPACT AREA #4
147,187± S.F. CLASS TWO
SEDIMENT
FOREBAY #16
WEIR=476.0
BTTM.ELEV=474.0
6' WIDE BERM
ELEV=480.0
INFILTRATION BASIN #16
BERM=480.0
BTTM.ELEV=476.0
18'WX9'L SPILLWAY
ELEV=479.75
WETLAND IMPACT AREA #19A
PERMANENT 2,004 SF
TEMPORARY 311 SF
DRIVEWAY 3
FES D3-1
INV(IN)=471.00
12" RCP
L=28', S=0.020
FES D3-2
INV(OUT)=470.44
WETLAND BUFFER IMPACT AREA #5
147,187± S.F. CLASS TWO
WETLAND BUFFER IMPACT AREA #3
77,138± S.F. CLASS TWO
DRIVEWAY 1
STONE INFILTRATION TRENCH
SLOPE ALONG TRENCH
S=0.03 FT/FT
(SEE DETAIL)
WETLAND IMPACT AREA #14
PERMANENT 42 SF
TEMPORARY 33 SF
UTILITY POLE #7 (RISER)
UTILITY POLE #6 (CUSTOMER RECLOSER)
UTILITY POLE #5 (CUSTOMER METER)
UTILITY POLE #4 (CUSTOMER LOAD BREAK)
UTILITY POLE #3
(EVERSOURCE PRIMARY REVENUE METERING)
JUNCTION BOX
(TYP.)
6'WX9'L SPILLWAY
ELEV=479.5
6' WIDE BERM
ELEV=480.0
INFILTRATION BASIN #11
BERM=480.0
BTTM. ELEV=476.0
INFILTRATION BASIN #23
BERM=468.0
BTTM.ELEV=466.0
APPROX. LIMITS OF
TREE CLEARING
(TYP.)
6' WIDE BERM
ELEV=468.0
6'WX9'L SPILLWAY
ELEV=467.5
WETLAND IMPACT AREA#21
PERMANENT 7 SF (7 ANCHORS)
TEMPORARY 1,241 SF
PSNH 3174
MATCHLINE (SHEET C-22)

HORIZONTAL SCALE 1"=60'
60 30 0 60



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

GRADING & DRAINAGE PLAN

LILAC STATE SOLAR PROJECT

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FARMINGTON, NEW HAMPSHIRE 03835

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STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED
PROFESSIONAL ENGINEER
2/24/25

REV	DATE	DESCRIPTION	DR	CK
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1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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	CK NG	CADFILE	47587-00 DESIGN_LAYOUT		

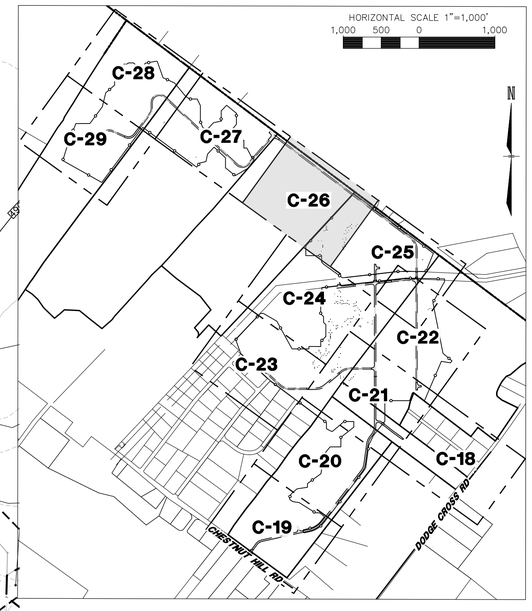
NOTES

1. SEE NOTES ON SHEET C-17.

RISER POLE #11
RISER POLE #10
RISER POLE #9
RISER POLE #8
DRIVEWAY 4
PROPOSED TREELINE (TYP.)
VEGETATED BUFFER
HYDOLOGIC SOIL GROUP B
FORRESTED LENGTH OF FLOW PATH=60' MIN.
STONE INFILTRATION TRENCH,
SLOPE ALONG TRENCH
SURFACE=0.035 FT/FT (SEE DETAILS)
APPROX. LIMITS OF TREE CLEARING (TYP.)
WETLAND IMPACT AREA#10A
PERMANENT 85 SF (85 ANCHORS)
TEMPORARY 11,245 SF
GRASSED FLAT-BOTTOM SWALE
S=0.02 FT/FT
(SEE DETAIL)
WETLAND IMPACT AREA#10B
PERMANENT 66 SF (66 ANCHORS)
TEMPORARY 11,199 SF
INFILTRATION BASIN #18
BERM=478.0
BTTM. ELEV=476.0
6' WIDE BERM
ELEV=478.0
INFILTRATION BASIN #19
BERM=478.0
BTTM. ELEV=476.0

MATCHLINE (SHEET C-27)
MATCHLINE (SHEET C-25)
MATCHLINE (SHEET C-24)

HORIZONTAL SCALE 1"=60'
60 30 0 60



LOCUS MAP
SCALE: 1"=1000'

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FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-26

NOTES

1. SEE NOTES ON SHEET C-17.

MATCHLINE (SHEET C-28)

MATCHLINE (SHEET C-26)

DRIVEWAY 4

RISER POLE #12

PROPOSED TREELINE (TYP.)

PROPOSED FENCE (SEE DETAILS)

WETLAND BUFFER IMPACT AREA #23
64,852± S.F. CLASS ONE
26,389± S.F. CLASS TWO

WETLAND BUFFER IMPACT AREA #24
277,587± S.F. CLASS ONE

WETLAND IMPACT AREA#1A
PERMANENT 7,181 SF
TEMPORARY 1,207 SF

WETLAND IMPACT AREA #1D
PERMANENT 733 SF
TEMPORARY 266 SF

WETLAND IMPACT AREA #1B
PERMANENT 699 SF
TEMPORARY 126 SF

WETLAND IMPACT AREA #1C
PERMANENT 27 SF (27 ANCHORS)
TEMPORARY 4,689 SF

WETLAND IMPACT AREA #1E
PERMANENT 110 SF (110 ANCHORS)
TEMPORARY 15,983 SF

R18-05100
4,460,837 S.F.
105.998 ACRES

12" RCP
L=28', S=0.012

FES D4-3
INV(IN)=506.56

FES D4-13
INV(IN)=506.35

12" RCP
L=28', S=0.011

FES D4-4
INV(OUT)=506.22

FES D4-14
INV(OUT)=506.05

FES D4-7
INV(IN)=497.30

FES D4-8
INV(OUT)=495.90

12" RCP
L=28', S=0.050

12" RCP
L=28', S=0.040

FES D4-5
INV(IN)=496.12

FES D4-6
INV(OUT)=495.00

FES
482.0

INLINE DRAIN
RIM = 485.0
INV. OUT=482.2

6'WX9'L SPILLWAY
ELEV=485.5

6'WX9'L SPILLWAY
ELEV=483.5

STONE INFILTRATION TRENCH.
SLOPE ALONG TRENCH
SURFACE=0.004 FT/FT (SEE DETAILS)

12" HDPE, 17 LF
S=0.01 ft/ft

INFILTRATION BASIN #7
BERM=486.0
BTM.ELEV=482.0

INFILTRATION BASIN #6
BERM=486.0
BTM.ELEV=482.0

INFILTRATION BASIN #5
BERM=484.0
BTM.ELEV=482.0

6' WIDE BERM
ELEV=486.0

6' WIDE BERM
ELEV=486.0

6' WIDE BERM
ELEV=484.0

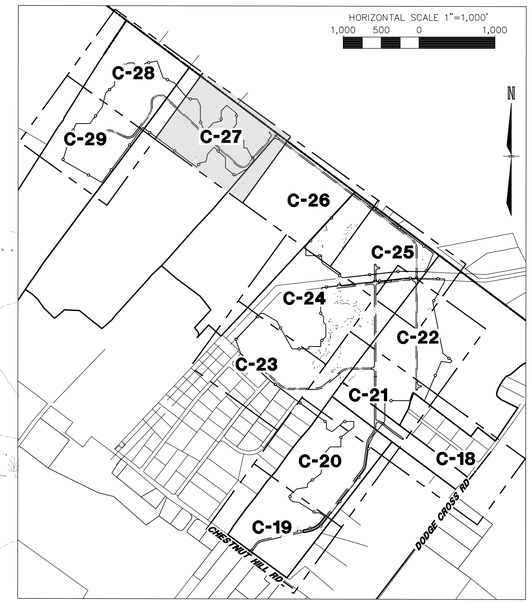
100' CLASS 1

APPROX. LIMITS OF TREE CLEARING (TYP.)

VEGETATED BUFFER
HYDOLOGIC SOIL GROUP B
VEGETATED LENGTH OF FLOW PATH=80' MIN.

HORIZONTAL SCALE 1"=60'
60 30 0 60

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

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FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-27

NOTES

1. SEE NOTES ON SHEET C-17.

WETLAND BUFFER IMPACT AREA #19
60,448± S.F. CLASS ONE
138,579± S.F. CLASS TWO

WETLAND BUFFER IMPACT AREA #18
127,856± S.F. CLASS TWO

WETLAND BUFFER IMPACT AREA #17
13,019± S.F. CLASS ONE
815± S.F. CLASS TWO

WETLAND IMPACT AREA #6
PERMANENT 316 SF
TEMPORARY 74 SF

WETLAND BUFFER IMPACT AREA #20
18,779± S.F. CLASS TWO

PROPOSED TREELINE (TYP.)

100' CLASS 1

50'

DRIVEWAY 4

MATCHLINE (SHEET C-27)

MATCHLINE (SHEET C-29)

STONE INFILTRATION TRENCH
SLOPE ALONG TRENCH
SURFACE=0.002 FT/FT (SEE DETAILS)

INFILTRATION BASIN #8
BERM=484.0
BTTM.ELEV=481.5

6'WX9'L SPILLWAY
ELEV=483.5

INLINE DRAIN
RIM=484.0
INV. OUT=481.6

12" HDPE, 10 LF
S=0.01 ft/ft

FES
INV.OUT=481.5

STONE INFILTRATION TRENCH
SLOPE ALONG TRENCH
SURFACE=0.004 FT/FT (SEE DETAILS)

INLINE DRAIN
RIM = 475.0
INV. OUT=472.0

12" HDPE, 36 LF
S = 0.017 FT/FT

INLINE DRAIN
RIM = 474.1

INLINE DRAIN
RIM = 475.0
INV. OUT=472.0

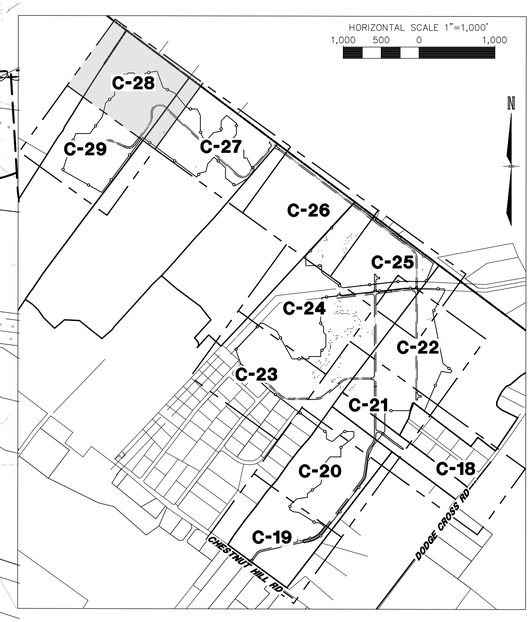
4' WIDE BERM
ELEV=484.0

12" HDPE, 116 LF
S = 0.024 FT/FT

INLINE DRAIN
RIM=476.0
INV. OUT=471.5

HORIZONTAL SCALE 1"=60'
60 30 0 60

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

GRADING & DRAINAGE PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

SCALE: AS NOTED **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
2/24/25

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-28

MATCHLINE (SHEET C-28)

MATCHLINE (SHEET C-28)

INLINE DRAIN
RIM = 475.0
INV. OUT=472.0

STONE INFILTRATION TRENCH.
SLOPE ALONG TRENCH
SURFACE=0.004 FT/FT (SEE DETAILS)

6' WIDE BERM
ELEV=484.0

12" HDPE, 116 LF
S = 0.004 FT/FT

INLINE DRAIN
RIM=475.5
INV. OUT=471.5

12" HDPE, 36 LF
S = 0.017 FT/FT

INLINE DRAIN
RIM = 474.1
INV. OUT=471.1

INLINE DRAIN
RIM=475.5
INV. OUT=371.5

INFILTRATION BASIN #9
BERM=470.0
BTTM.ELEV=467.5

12" HDPE, 96 LF
S = 0.004 FT/FT

FES D4-9
INV(IN)=467.40

12" HDPE, 119 LF
S = 0.004 FT/FT

INLINE DRAIN
RIM = 474.5
INV. OUT=471.5

12" HDPE, 80 LF
S = 0.005 FT/FT

FES
INV.=470.5

RIP-RAP APRON

6' WIDE BERM
ELEV=470.0

WETLAND IMPACT AREA #1H
PERMANENT 5,098 SF
(INCLUDING 730 SF VERNAL POOL)
TEMPORARY 660 SF

DRIVEWAY 4

12" RCP
L=28', S=0.050

FES D4-10
INV(OUT)=466.00

6'WX9'L SPILLWAY
ELEV=469.5

WETLAND IMPACT AREA#1G
PERMANENT 3,025 SF
TEMPORARY 381 SF

FES D4-11
INV(IN)=462.28

12" RCP
L=28', S=0.010

FES D4-12
INV(OUT)=462.00

APPROX. LIMITS OF
TREE CLEARING
(TYP.)

WETLAND BUFFER IMPACT AREA #21
87,822± S.F. CLASS TWO

INLINE DRAIN
RIM = 451.0
INV. OUT=448.0

WETLAND IMPACT AREA #4
PERMANENT 3 SF (3 ANCHORS)
TEMPORARY 730 SF

INLINE DRAIN
RIM = 450.5
INV. OUT=447.5

INLINE DRAIN
RIM = 450.1
INV. OUT=447.0

WETLAND IMPACT AREA #2
PERMANENT 14 SF (14 ANCHORS)
TEMPORARY 2,354 SF

12" HDPE, 177 LF
S = 0.005 FT/FT

12" HDPE, 177 LF
S = 0.005 FT/FT

INLINE DRAIN
RIM = 451.0
INV. OUT=447.0

PROPOSED TREELINE
(TYP.)

12" HDPE, 132 LF
S = 0.004 FT/FT

STONE INFILTRATION TRENCH
SLOPE ALONG TRENCH
SURFACE=0.004 FT/FT (SEE DETAILS)

FES
INV.=446.0

RIP-RAP APRON

12" HDPE, 15 LF
S = 0.072 FT/FT

6'WX9'L SPILLWAY
ELEV=449.5

5' WIDE BERM
ELEV=450.0

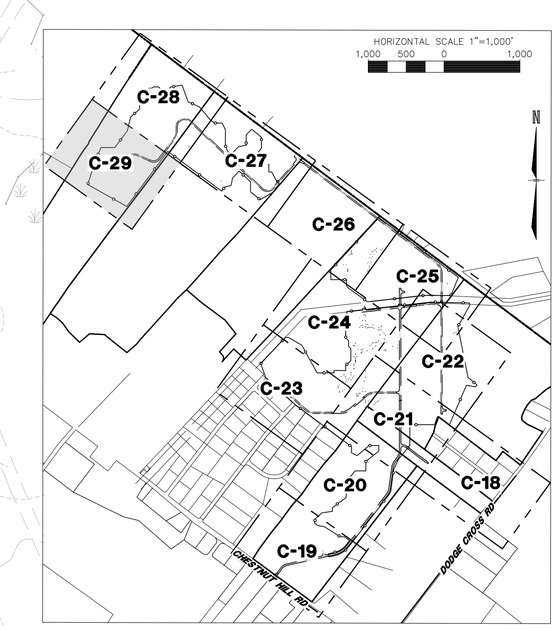
INFILTRATION BASIN #10
BERM=450.0
BTTM.ELEV=444.0

WOODS ROAD

HORIZONTAL SCALE 1"=60'
60 30 0 60

NOTES

1. SEE NOTES ON SHEET C-17.



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

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LICENSED PROFESSIONAL ENGINEER
2/24/25

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1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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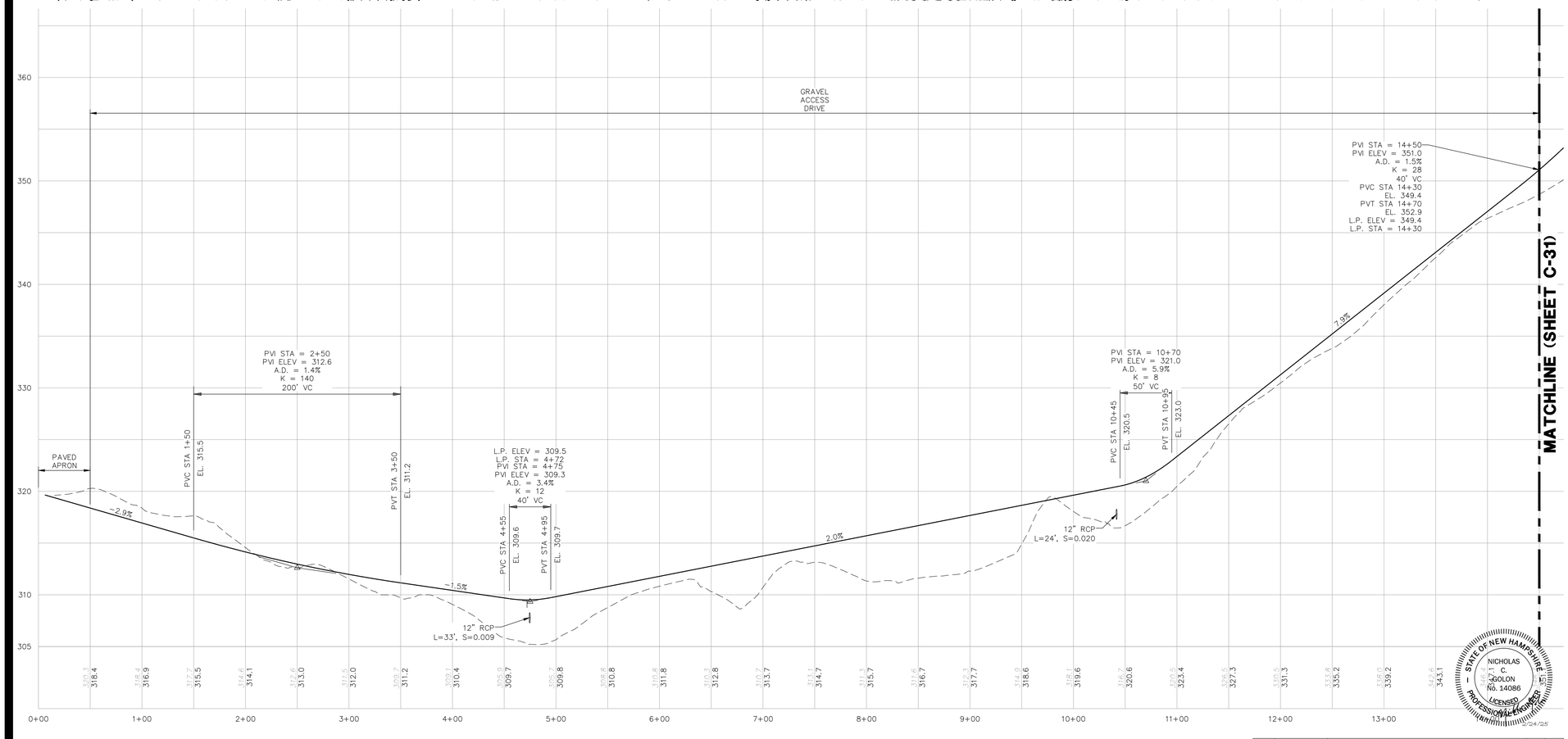
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-29



NOTES

1. SEE SITE PREPARATION NOTES ON SHEET C-02.
2. SEE GRADING & DRAINAGE NOTES ON SHEET C-02.
3. SEE CONSTRUCTION SEQUENCING AND EROSION CONTROL NOTES ON SHEET C-02.
4. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.
5. SEE CONSTRUCTION PHASING NOTES ON SHEET C-02 AND PHASING PLAN SHEET PH-01.

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

DRIVEWAY PLAN & PROFILE

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2/24/25

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VERTICAL SCALE 1"=6'

REV	DATE	DESCRIPTION	DR	CK
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1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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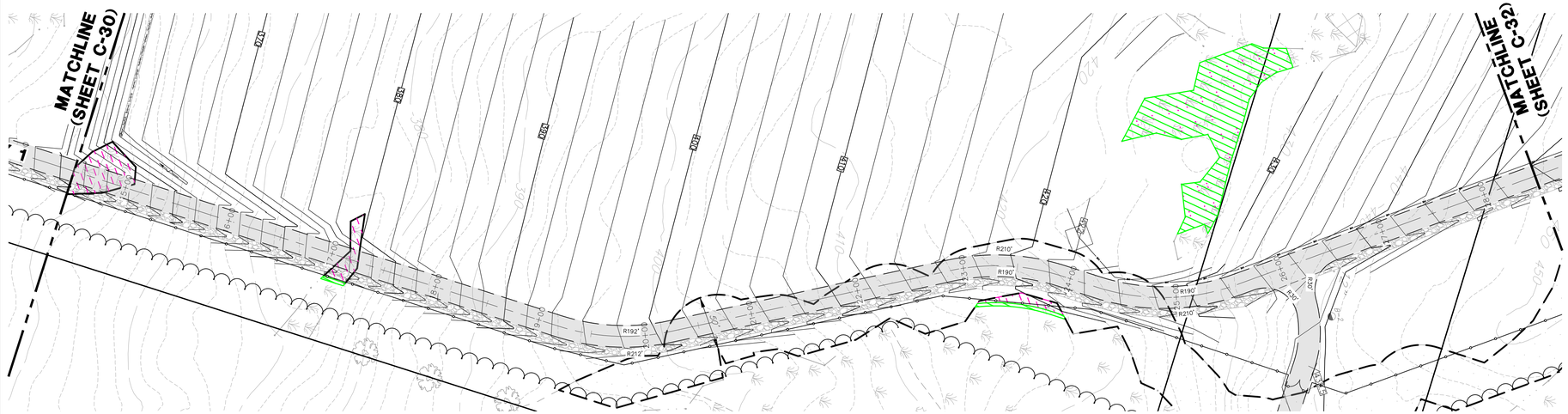
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-30



NOTES

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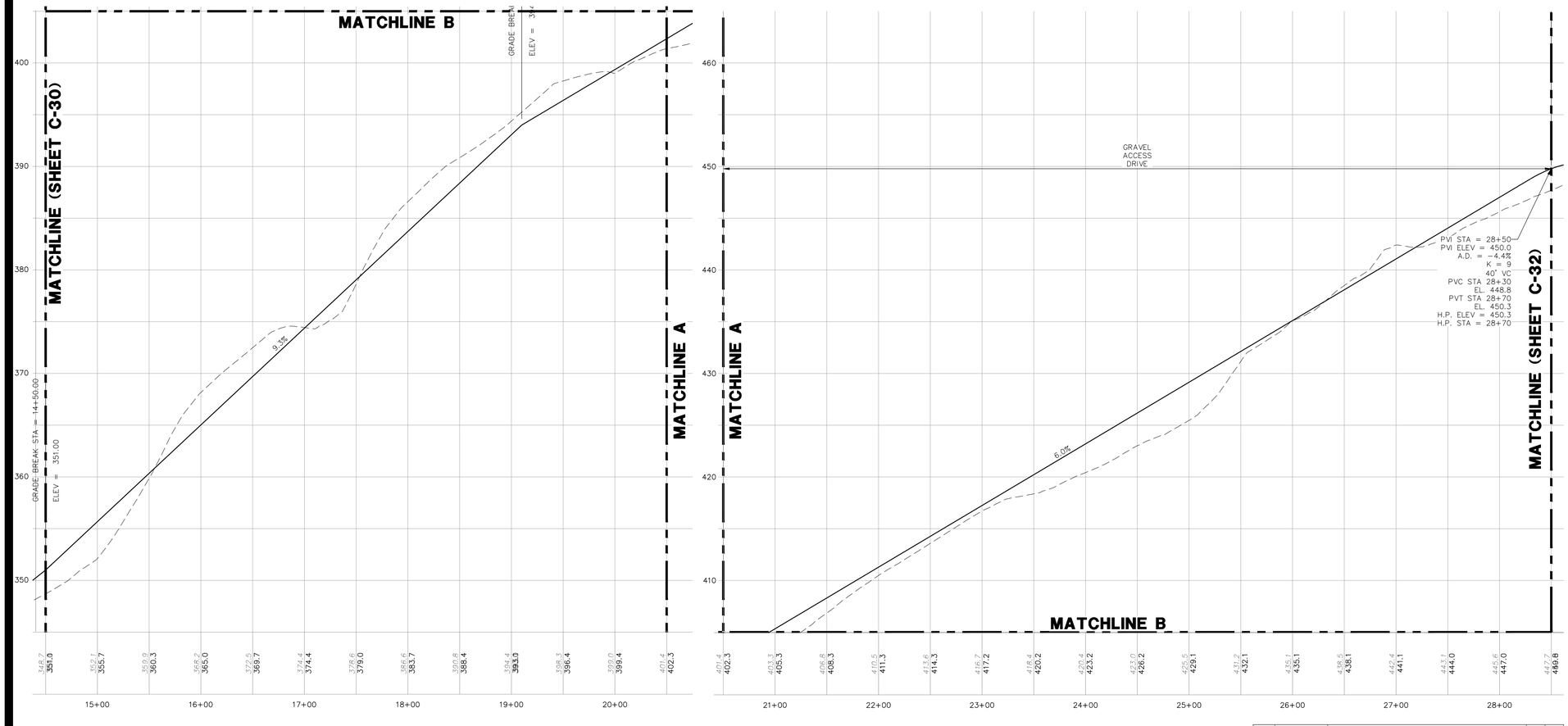
5. SEE CONSTRUCTION PHASING NOTES ON SHEET C-02 AND PHASING PLAN SHEET PH-01.



SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

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60 30 0 60
6 0 6
VERTICAL SCALE 1"=6'

REV	DATE	DESCRIPTION	DR	CK
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1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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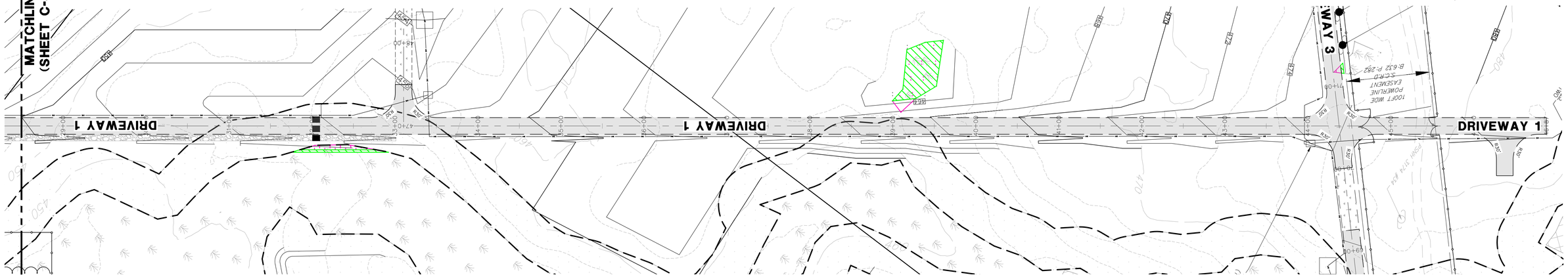
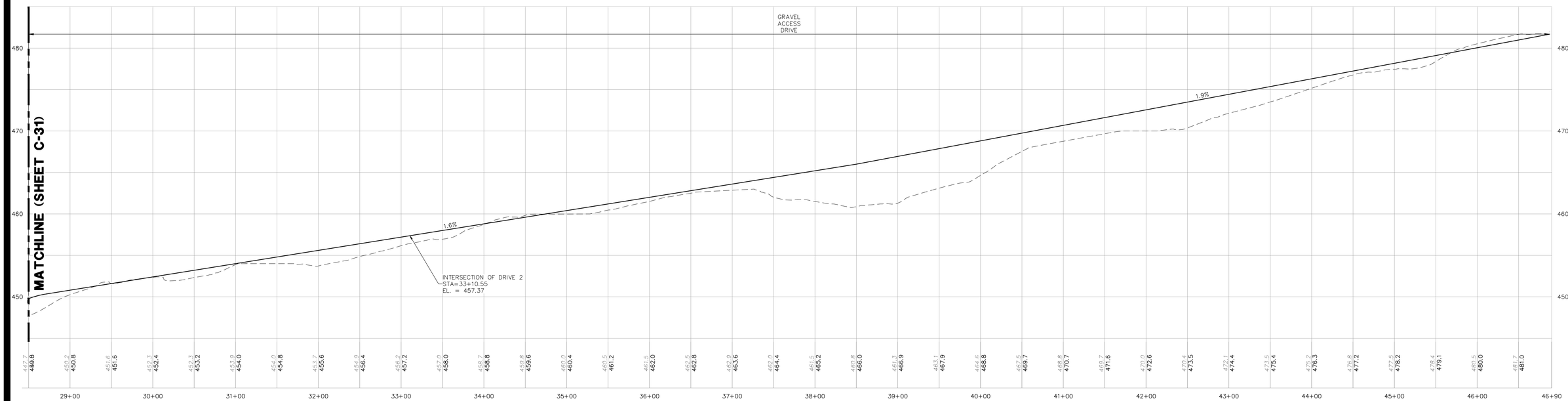
FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-31





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LICENSED PROFESSIONAL ENGINEER
5/24/25

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60 30 0 60
VERTICAL SCALE 1"=6'
6 0 6

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FILE	DR	JB	FB	–	C-32
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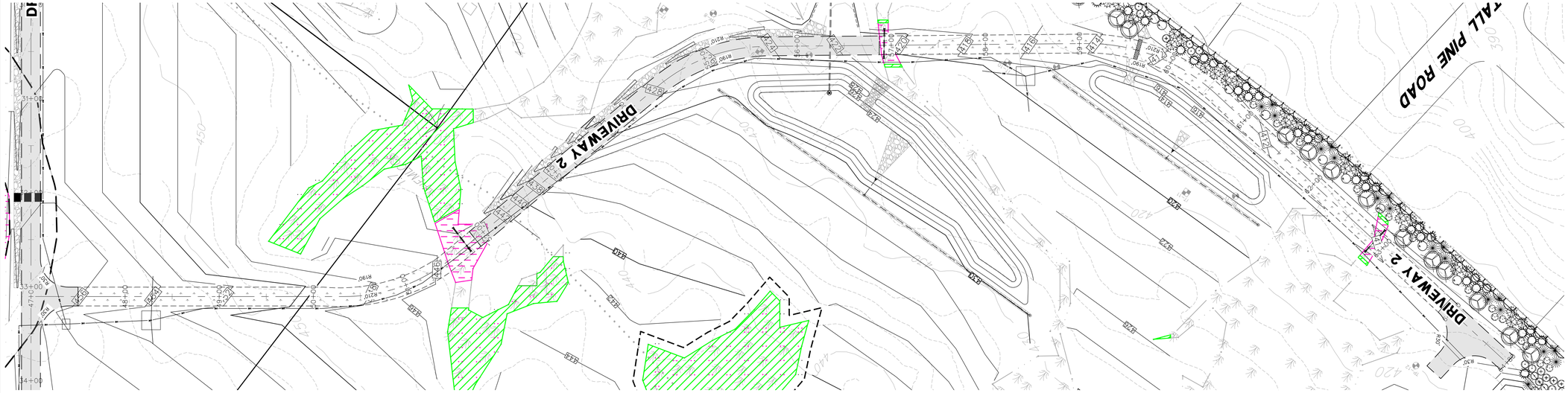

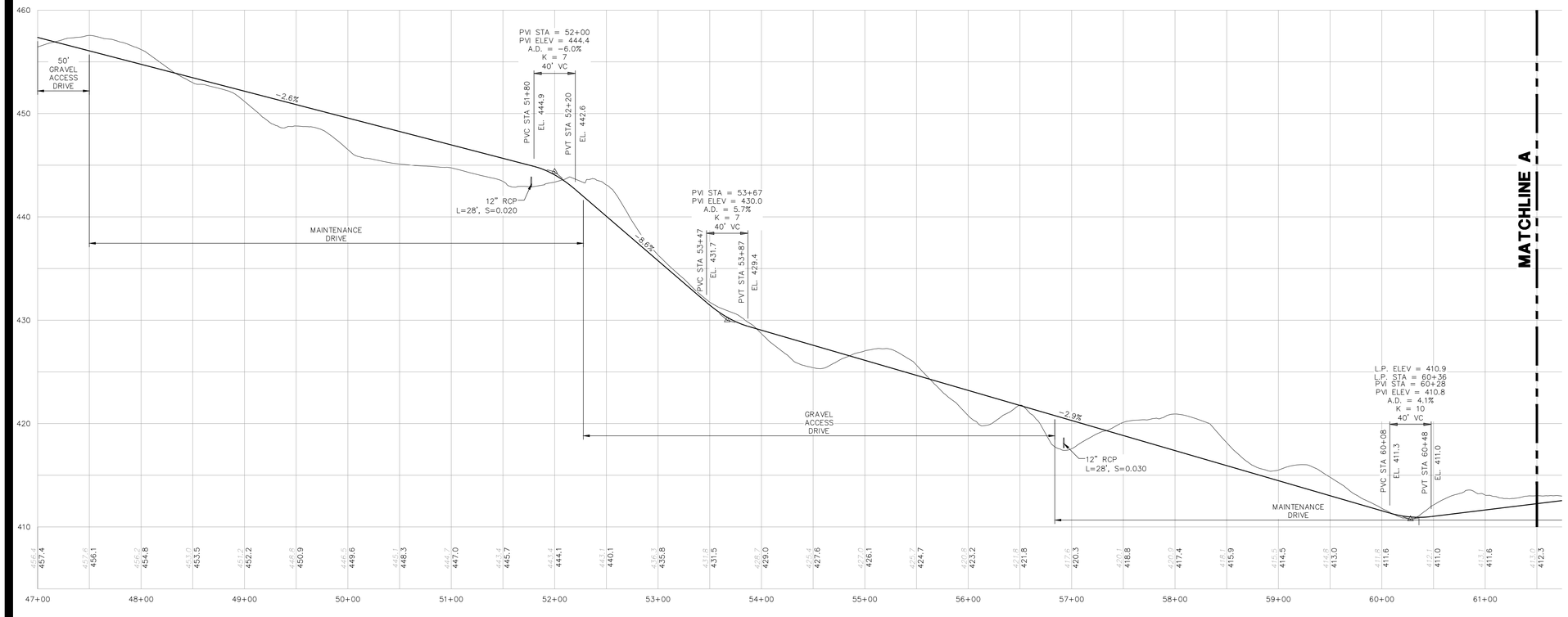

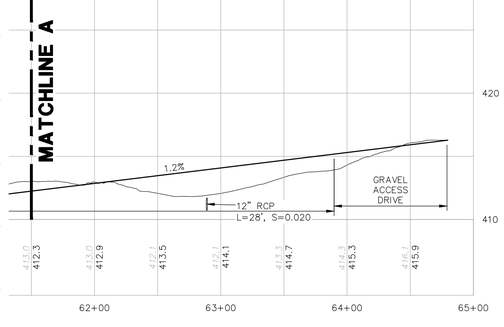

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STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
2/24/25

HORIZONTAL SCALE 1"=60'
60 30 0 60
6 0 6
VERTICAL SCALE 1"=6'

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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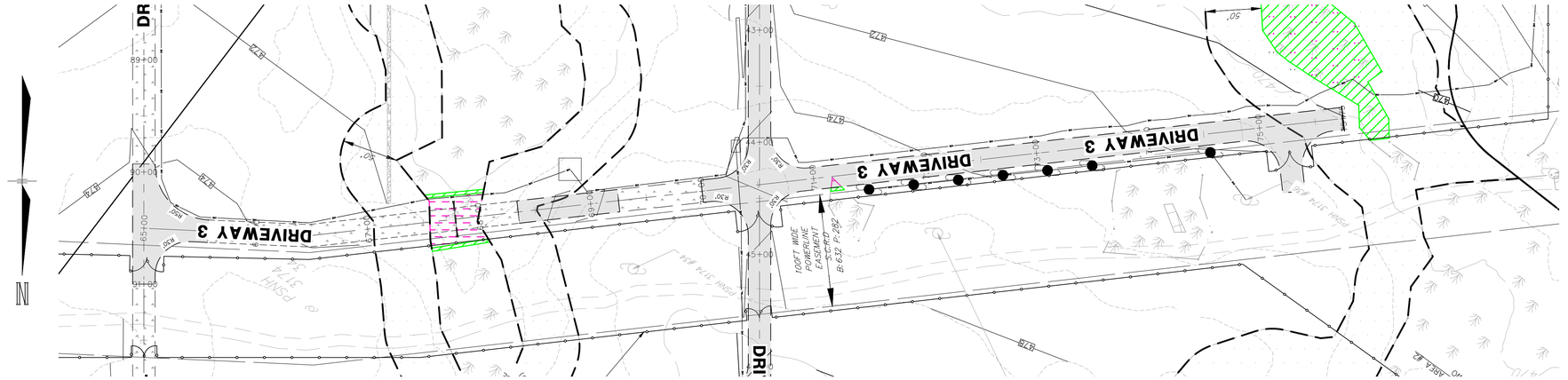

NOTES

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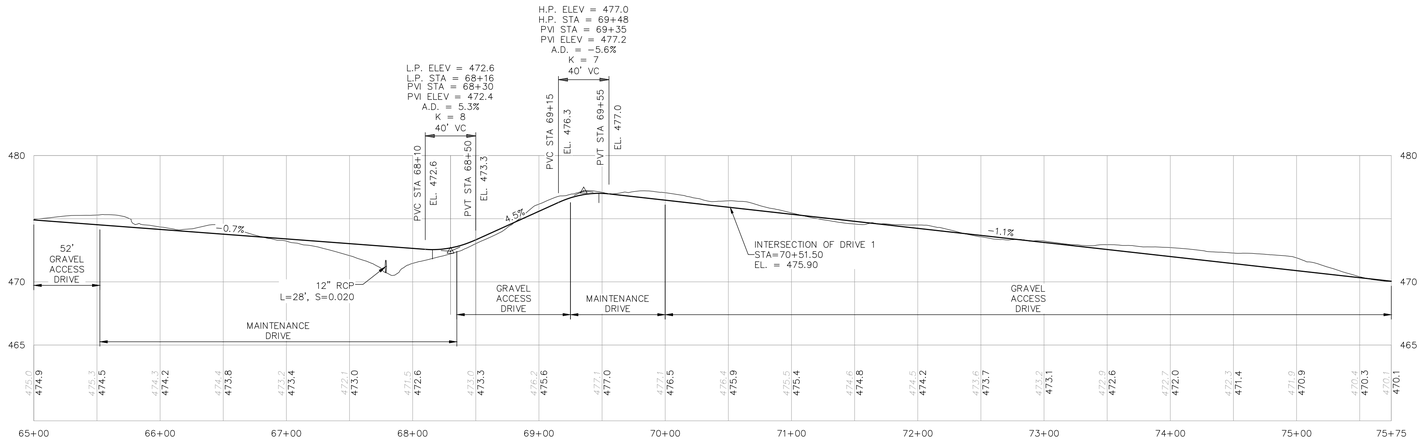

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

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60 30 0 60
VERTICAL SCALE 1"=6'
6 0 6

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1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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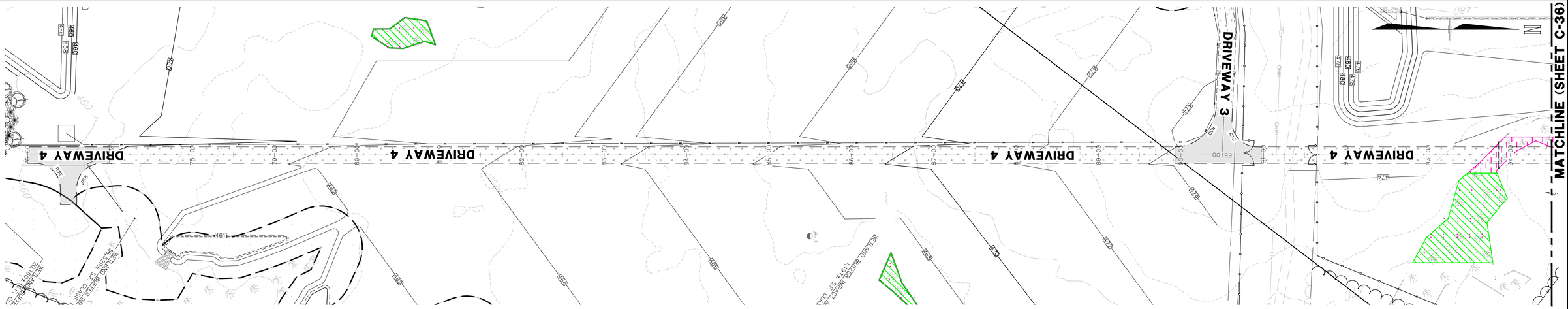
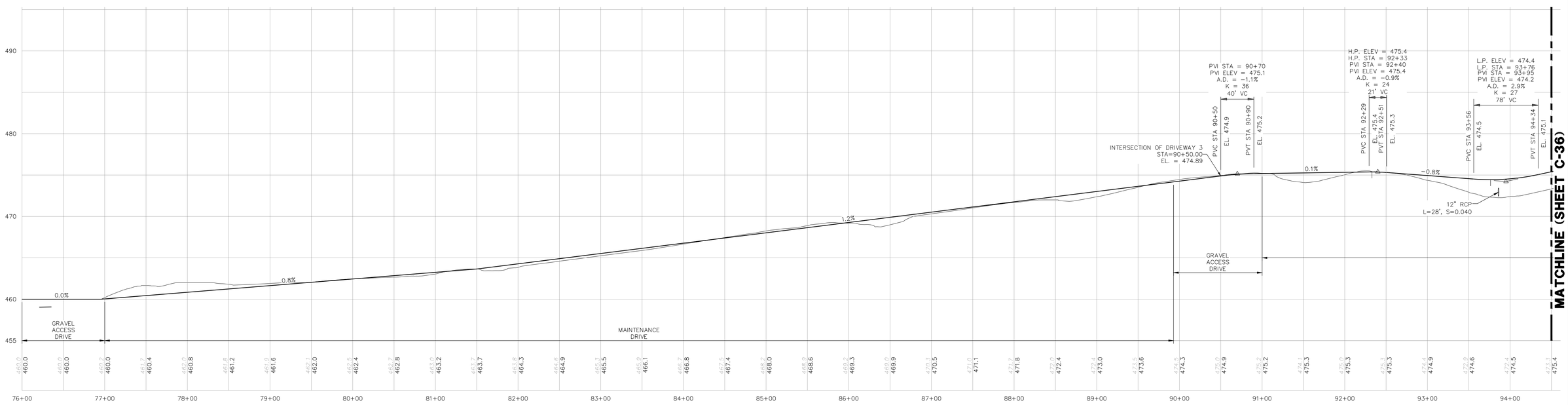
PROJ.	DR	JB	FB	–	C-34
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	





NOTES

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SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

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60 30 0 60
VERTICAL SCALE 1"=6'
6 0 6

REV	DATE	DESCRIPTION	DR	CK
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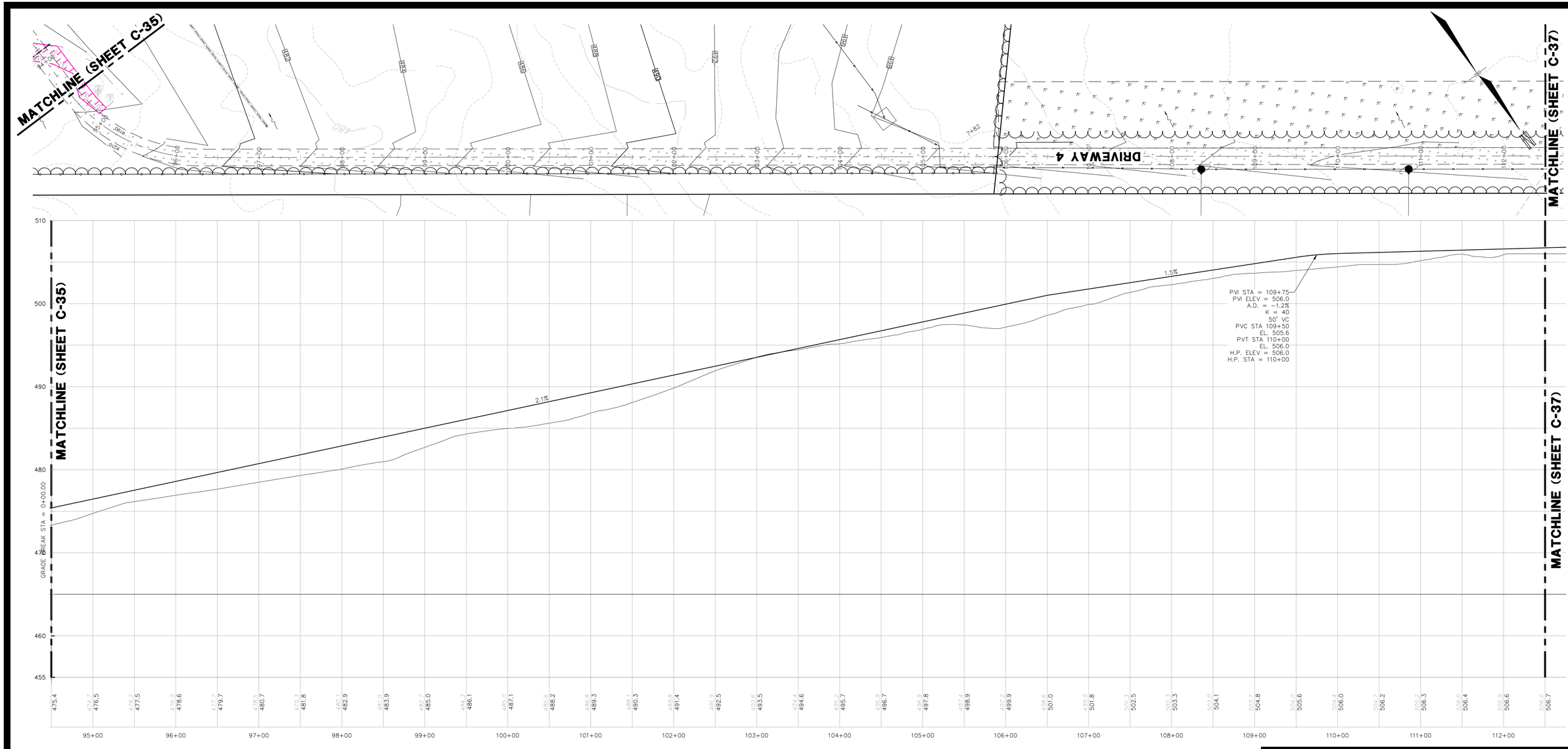

NOTES

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60 30 0 60

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6 0 6

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FILE	DR	JB	FB	–	
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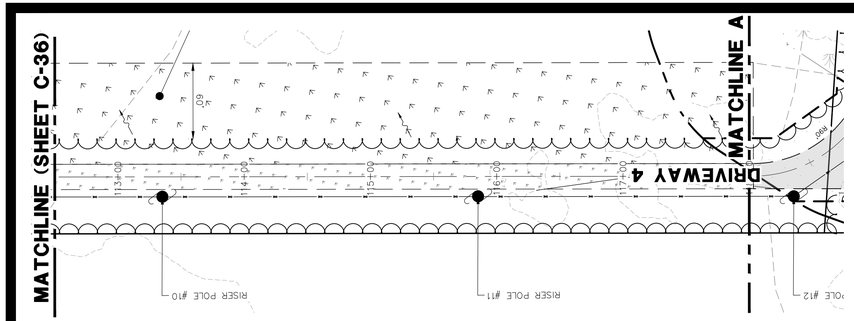

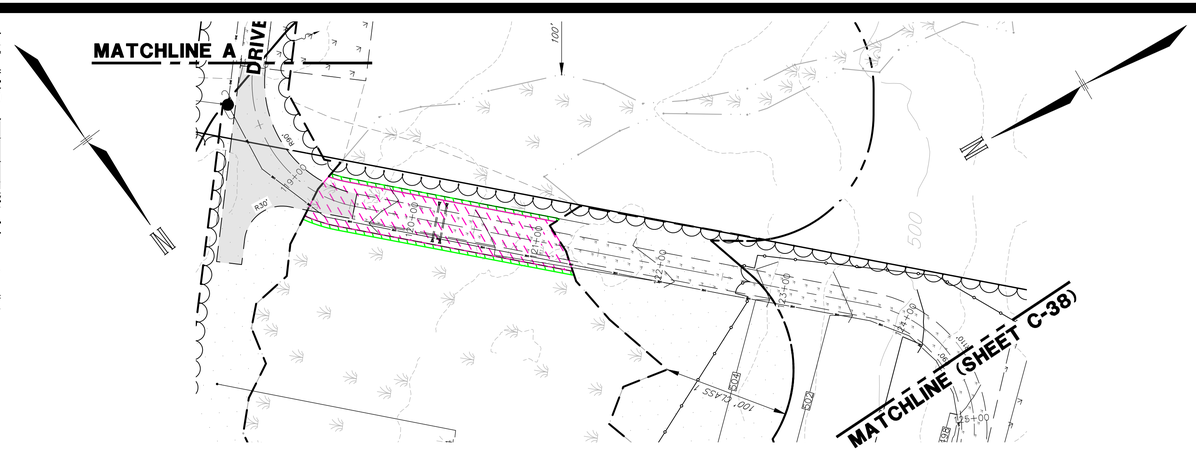

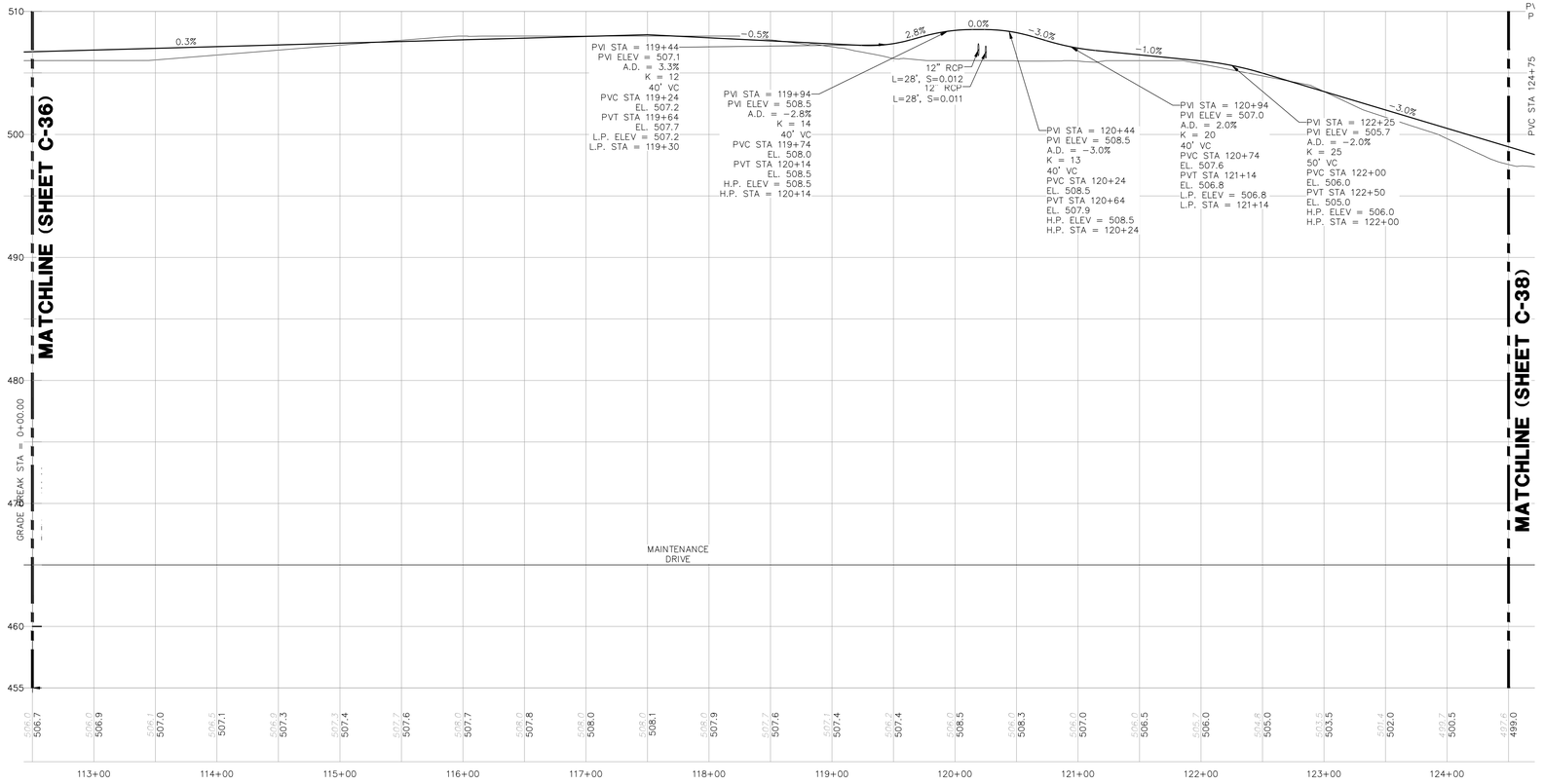

NOTES

1. SEE SITE PREPARATION NOTES ON SHEET C-02.
2. SEE GRADING & DRAINAGE NOTES ON SHEET C-02.
3. SEE CONSTRUCTION SEQUENCING AND EROSION CONTROL NOTES ON SHEET C-02.
4. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.
5. SEE CONSTRUCTION PHASING NOTES ON SHEET C-02 AND PHASING PLAN SHEET PH-01.

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

DRIVEWAY PLAN & PROFILE

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

SCALE: 1"=60' H/1"=6' V **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
2/24/25

DIG SAFE
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CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

HORIZONTAL SCALE 1"=60'
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VERTICAL SCALE 1"=6'
6 0 6

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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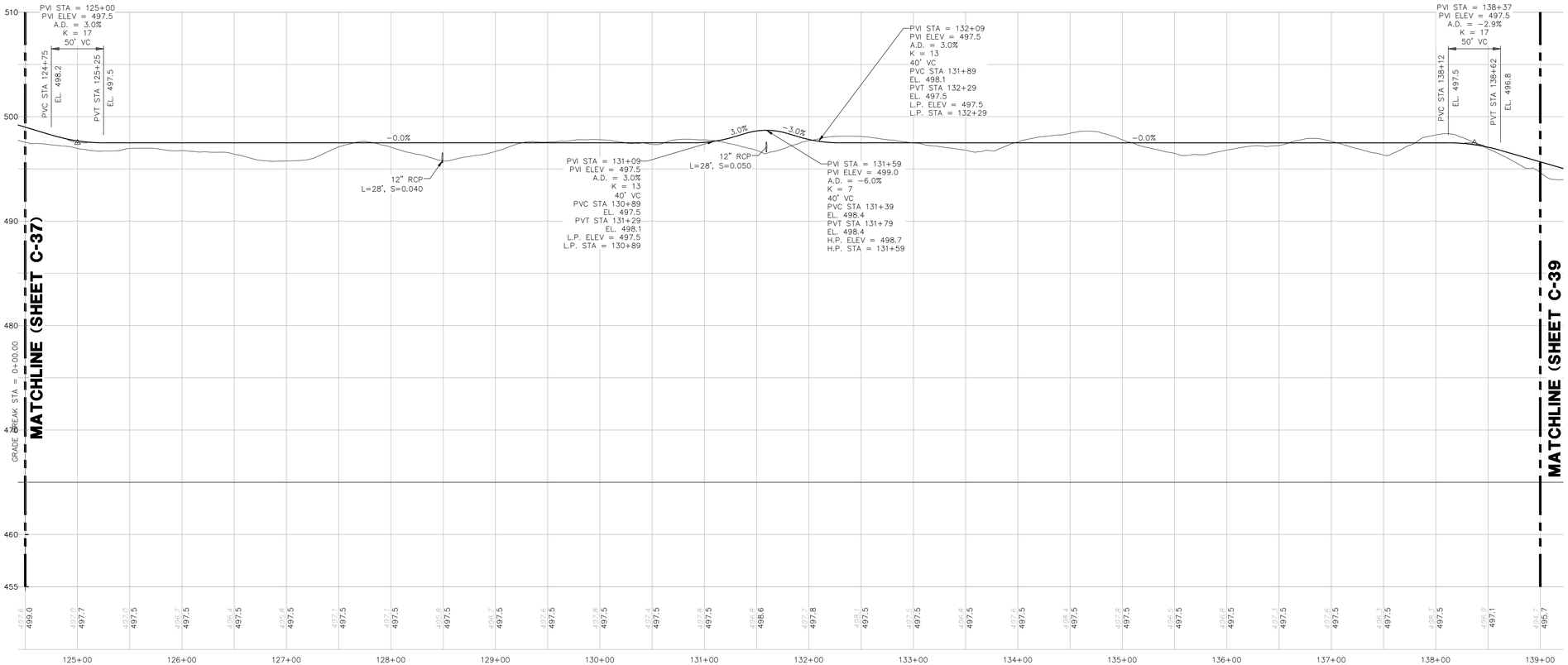

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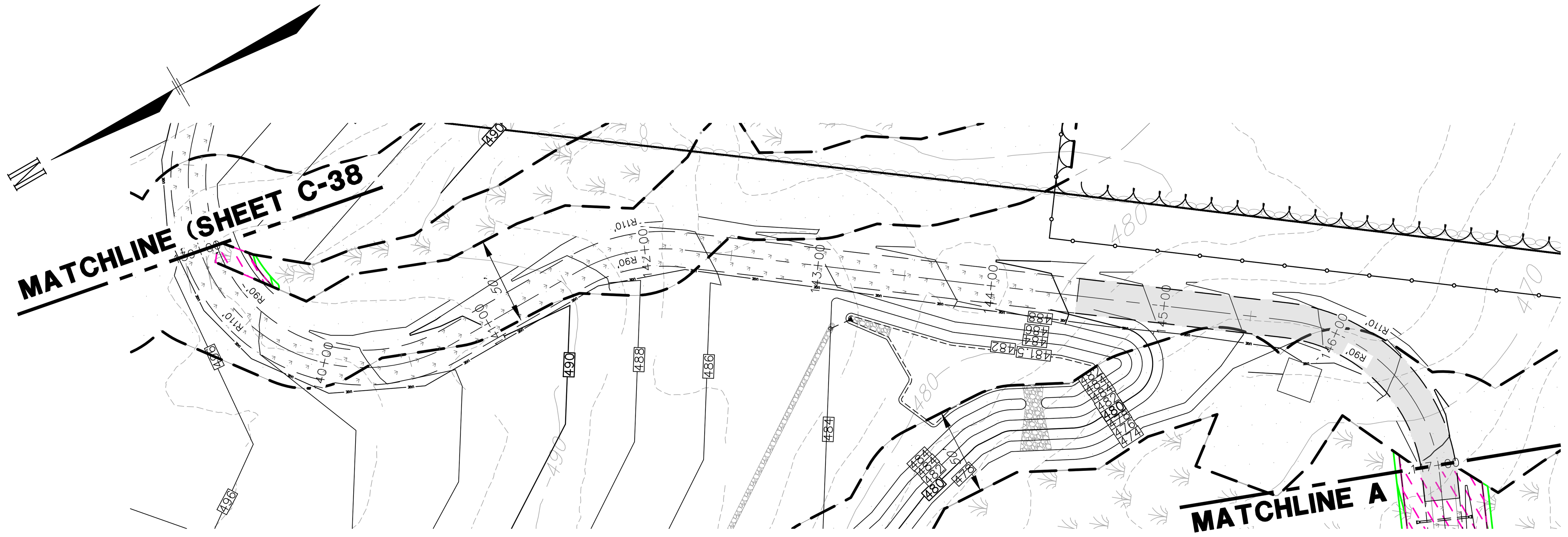

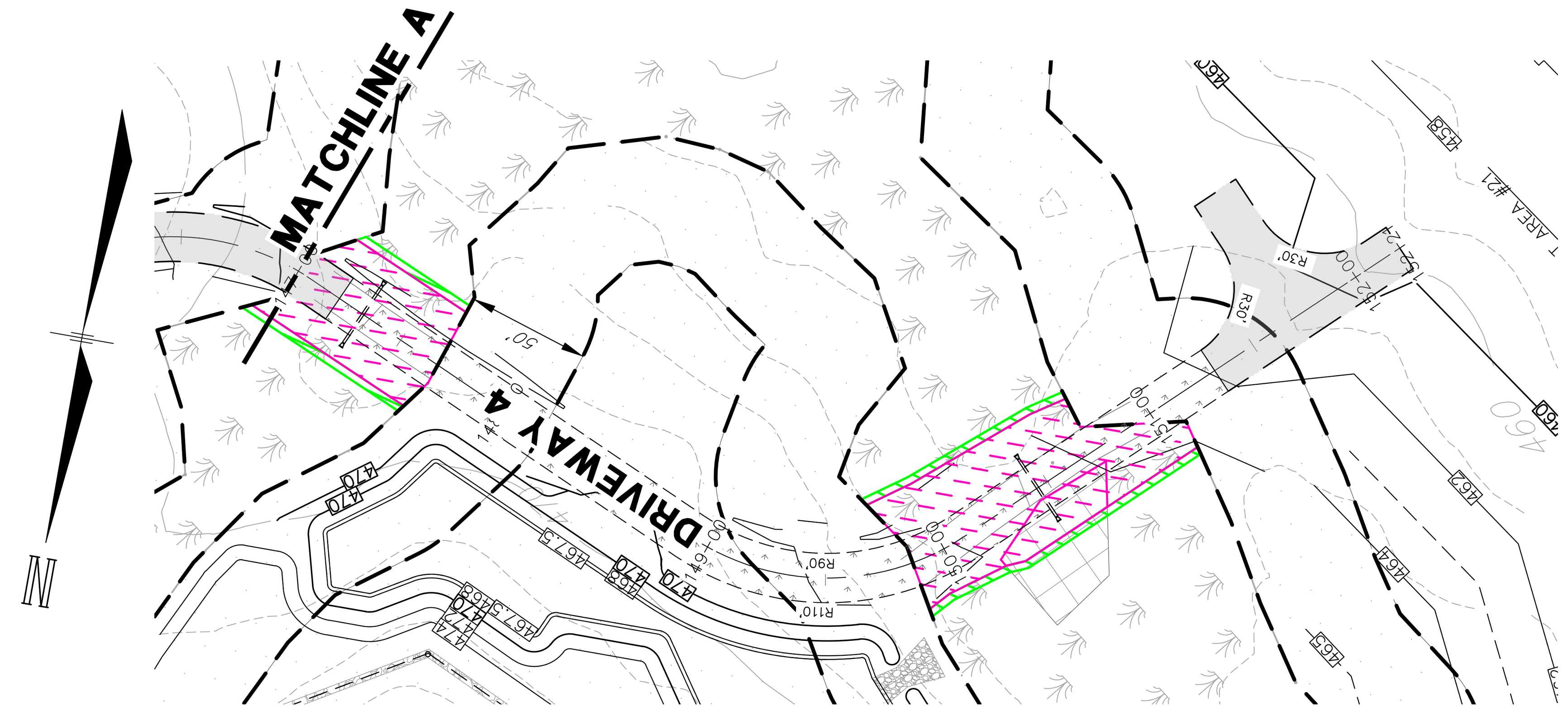

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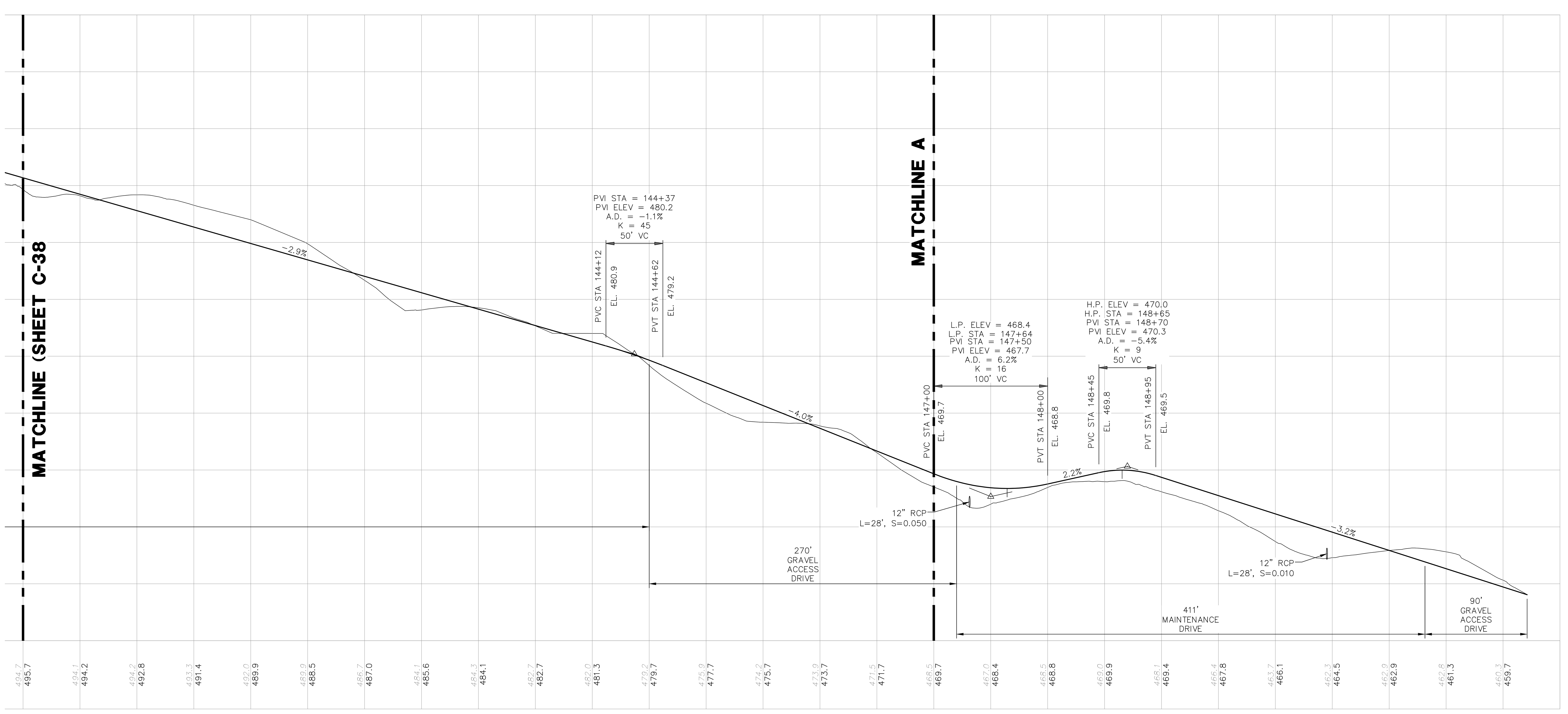

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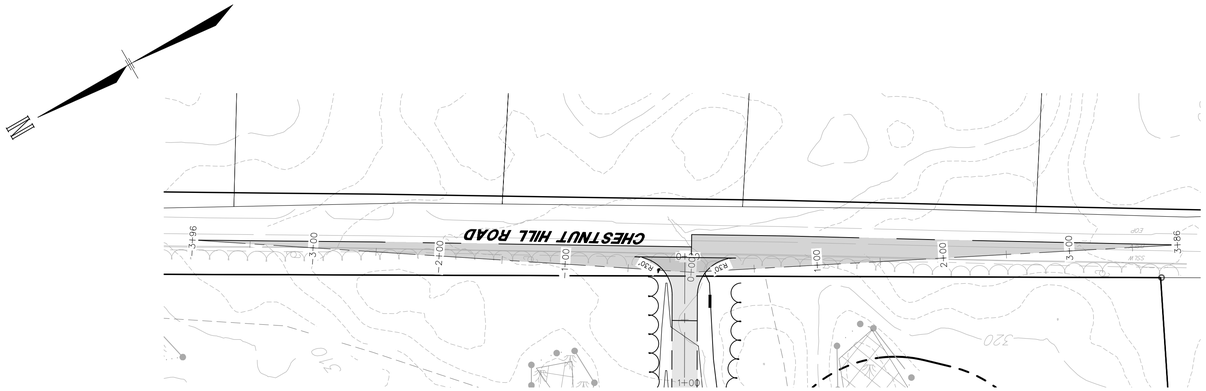

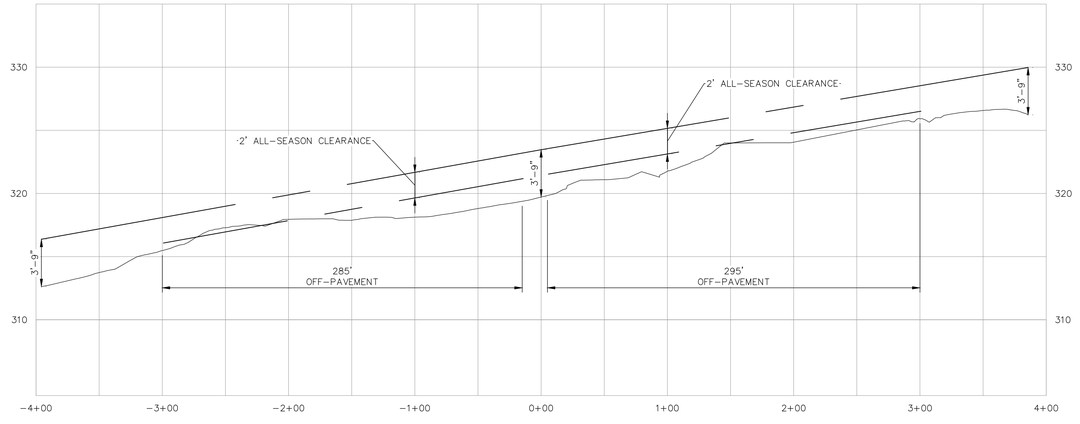

SITE DEVELOPMENT PLANS

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DRIVEWAY SIGHT DISTANCE PLAN & PROFILE

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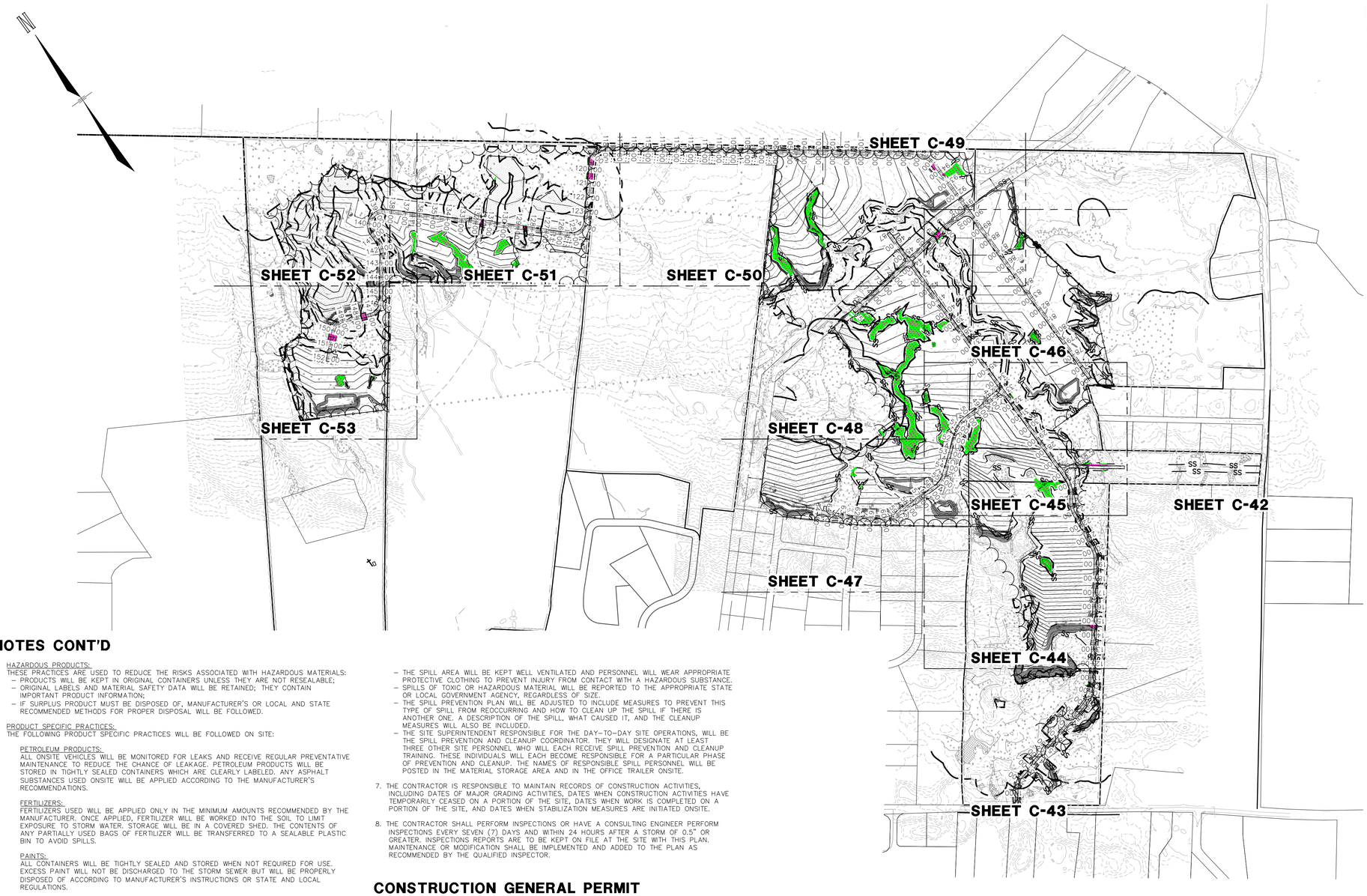

NOTES

1. THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED SEDIMENT AND EROSION CONTROLS FOR THE PROJECT.

2. STABILIZATION PRACTICES FOR EROSION AND SEDIMENTATION CONTROLS:

   TEMPORARY STABILIZATION – TOPSOIL STOCKPILES AND DISTURBED AREAS OF THE CONSTRUCTION SITE THAT WILL NOT BE REDISTURBED FOR 14 DAYS OR MORE MUST BE STABILIZED BY THE 14TH DAY AFTER THE LAST DISTURBANCE. THE TEMPORARY SEED SHALL BE ANNUAL RYE APPLIED AT THE RATE OF 1.1 LBS PER 1,000 SF. PRIOR TO SEEDING, A MINIMUM OF 2 TONS PER ACRE OF AGRICULTURAL LIMESTONE AND 500 LBS PER ACRE OF 10-20-20 FERTILIZER SHALL BE APPLIED. AFTER SEEDING, EACH AREA SHALL BE MULCHED WITH 1.5 TONS PER ACRE OF HAY MULCH. MULCH TO BE ANCHORED IN PLACE WHERE NECESSARY. AREAS OF THE SITE THAT WILL BE PAVED WILL BE TEMPORARILY STABILIZED BY APPLYING GEOTEXTILES AND A STONE SUB-BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED. CALCIUM CHLORIDE SHALL BE USED FOR DUST CONTROL IF NEEDED.

   PERMANENT STABILIZATION – DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASES SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 3 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE PERMANENT SEED MIX SHALL BE AS SPECIFIED BY THE LANDSCAPE PLAN NOTES OR MAY OTHERWISE CONSIST OF 0.45 LBS/1,000 SF TALL FESCUE, 0.20 LBS/1,000 SF CREEPING RED FESCUE, AND 0.20 LBS/1,000 SF BIRDSFOOT TREFOIL. PRIOR TO SEEDING, A MINIMUM OF 2 TONS PER ACRE OF AGRICULTURAL LIMESTONE AND 500 LBS PER ACRE IF 10-20-20 FERTILIZER SHALL BE APPLIED. AFTER SEEDING, EACH AREA SHALL BE MULCHED WITH 1.5 TONS PER ACRE OF HAY MULCH. MULCH TO BE ANCHORED IN PLACE WHERE NECESSARY.

3. STRUCTURAL PRACTICES FOR EROSION AND SEDIMENTATION CONTROL

   SILT SOCK – WILL BE CONSTRUCTED AROUND THE PERIMETER OF THE DISTURBED AREAS AND WILL DELINEATE THE LIMITS OF WORK FOR THE PROPOSED CONSTRUCTION. THE SILT SOCK WILL BE INSTALLED BY OTHERS. POSTS SHALL BE USED WITH AT LEAST 6" OF THE POST BURIED BELOW THE GROUND SURFACE TO PREVENT THE SILT SOCK FROM FORMING GAPS NEAR THE GROUND SURFACE. RUNOFF WILL FLOW THROUGH THE OPENINGS IN THE SILT SOCK WHILE RETAINING THE SEDIMENT WITHIN THE CONSTRUCTION AREA.

   STABILIZED CONSTRUCTION ENTRANCE – WILL BE INSTALLED IN ACCORDANCE WITH THE DETAIL AT THE ENTRANCE TO THE CONSTRUCTION SITE TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS OFF THE SITE. THE STABILIZED ENTRANCE WILL BE 20'-WIDE AND FLARE AT THE ENTRANCE TO THE PAVED ROAD AND HAVE A DEPTH OF 12" OF STONE. THE STABILIZED ENTRANCE SHALL BE MAINTAINED UNTIL THE REMAINDER OF THE CONSTRUCTION SITE HAS BEEN FULLY STABILIZED. THE PAVED STREET ADJACENT TO THE SITE SHALL BE SWEPT ON A WEEKLY BASIS TO REMOVE EXCESS MUD AND DIRT FROM BEING TRACKED FROM THE SITE. TRUCKS HAULING MATERIAL TO AND/OR FROM THE SITE SHALL BE COVERED WITH A TARPAULIN.

   CATCH BASINS – WILL BE CLEANED ON AN ANNUAL BASIS TO REMOVE ALL SEDIMENTS FROM THE CATCH BASIN SUMPS.

   CATCH BASIN PROTECTION – WILL BE INSTALLED AT ALL CATCH BASINS WITHIN THE CONSTRUCTION AREA. FILTER FABRIC WILL BE INSTALLED AROUND THE GRATES OF CATCH BASINS THAT ARE LOCATED IN THE TRAVEL WAY AND STONE/FILTER FABRIC PROTECTION WILL BE INSTALLED AT THE CATCH BASINS FOUND WITHIN THE PARKING AREA AND GRASS.

   BLANKET SLOPE PROTECTION – SHALL BE INSTALLED ON ALL 2:1 SLOPES OR STEEPER ON SITE. ANCHOR THE TOP OF THE BLANKET BY ANCHORING THE BLANKET IN A 6" DEEP TRENCH. BACKFILL AND COMPACT TRENCH AFTER STAPLING. ROLL THE BLANKET IN THE DIRECTION OF STORM WATER FLOW. WHERE 2 OR MORE STRIPS OF BLANKET ARE REQUIRED, A MINIMUM OF 4" OF OVERLAP SHALL BE PROVIDED.

   STONE CHECK DAMS – WILL BE INSTALLED IN EXISTING AND PROPOSED GRASS SWALES TO REDUCE THE VELOCITY OF CONCENTRATED STORM WATER FLOWS AND PREVENT EROSION OF THE SWALE.

4. ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND STORED IN SECURE DUMPSTERS OR APPROVED ENCLOSURE AND REMOVED FROM THE SITE ON A WEEKLY BASIS. NO CONSTRUCTION WASTE SHALL BE BURIED ON SITE. PORTABLE TOILET SANITARY WASTE FACILITIES WILL BE PROVIDED DURING CONSTRUCTION AND MAINTAINED/DISPOSED OF ON A REGULAR BASIS IN ACCORDANCE WITH TOWN AND STATE REGULATIONS.

5. A LIST OF CONSTRUCTION ITEMS AND OTHER PRODUCTS USED ON THIS PROJECT SHALL BE KEPT ON RECORD WITH THIS PLAN ONSITE. ALL CHEMICALS, PETROLEUM PRODUCTS AND OTHER MATERIALS USED DURING CONSTRUCTION SHALL BE STORED IN A SECURE AREA, AND PRECAUTIONS USED TO PREVENT POTENTIAL SOURCES OF CONTAMINATION OR POLLUTION. ANY SPILL OF THESE TYPES OF SUBSTANCES SHALL BE CLEANED UP AND DISPOSED OF IN A LEGAL MANNER AS SPECIFIED BY STATE REGULATIONS AND THE MANUFACTURER. ANY SPILL IN AMOUNTS EQUAL TO OR EXCEEDING REPORTABLE QUANTITY AS DEFINED BY THE EPA SHALL TAKE THE FOLLOWING STEPS:
   - NOTIFY THE NATIONAL RESPONSE CENTER IMMEDIATELY AT (888) 424-8802; IN WASHINGTON, D.C., CALL (202) 426-2675.
   - WITHIN 14 DAYS, SUBMIT A WRITTEN DESCRIPTION OF THE RELEASE TO THE EPA REGIONAL OFFICE PROVIDING THE DATE AND CIRCUMSTANCES OF THE RELEASE AND THE STEPS TO BE TAKEN TO PREVENT ANOTHER RELEASE.
   - MODIFY THE POLLUTION PREVENTION PLAN TO INCLUDE THE INFORMATION LISTED ABOVE.

6. GOOD HOUSEKEEPING:
   THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.
   - AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB;
   - ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE;
   - PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL;
   - SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER;
   - WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER;
   - MANUFACTURERS' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED;
   - TRASH DUMPSTERS SHALL BE GASKETED OR HAVE A SECURE WATERTIGHT LID AND BE PLACED AWAY FROM STORMWATER CONVEYANCES AND DRAINS.
   - THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS ONSITE.

NOTES CONT'D

HAZARDOUS PRODUCTS:
THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS:
- PRODUCTS WILL BE KEPT IN ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE;
- ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION;
- IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES:
THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ON SITE:

PETROLEUM PRODUCTS:
ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTATIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS:
FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS:
ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS:
EXCESS CONCRETE SHALL BE USED IN AREAS DESIGNATED BY THE SITE CONTRACTOR. WASH WATER SHALL BE DISPOSED OF USING BEST MANAGEMENT PRACTICES. BUILDING CONTRACTOR IS RESPONSIBLE FOR REMOVAL OF ALL DRUM WASH WATER ASSOCIATED WITH CONCRETE FOR THE BUILDING PAD. SITE CONTRACTOR TO COORDINATE AND PROVIDE BUILDING CONTRACTOR WITH AN AREA FOR DRUM WASH WATER.

SPILL CONTROL PRACTICES:
IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:
- MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.
- MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, KITTY LITTER, SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.
- ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.
- THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- SPILLS OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF SIZE.
- THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM RECOCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.
- THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THEY WILL DESIGNATE AT LEAST THREE OTHER SITE PERSONNEL WHO WILL EACH RECEIVE SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IN THE OFFICE TRAILER ONSITE.

7. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN RECORDS OF CONSTRUCTION ACTIVITIES, INCLUDING DATES OF MAJOR GRADING ACTIVITIES, DATES WHEN CONSTRUCTION ACTIVITIES HAVE TEMPORARILY CEASED ON A PORTION OF THE SITE, DATES WHEN WORK IS COMPLETED ON A PORTION OF THE SITE, AND DATES WHEN STABILIZATION MEASURES ARE INITIATED ONSITE.

8. THE CONTRACTOR SHALL PERFORM INSPECTIONS OR HAVE A CONSULTING ENGINEER PERFORM INSPECTIONS EVERY SEVEN (7) DAYS AND WITHIN 24 HOURS AFTER A STORM OF 0.5" OR GREATER. INSPECTIONS REPORTS ARE TO BE KEPT ON FILE AT THE SITE WITH THIS PLAN. MAINTENANCE OR MODIFICATION SHALL BE IMPLEMENTED AND ADDED TO THE PLAN AS RECOMMENDED BY THE QUALIFIED INSPECTOR.

CONSTRUCTION GENERAL PERMIT

1. THE OWNER, IN CONJUNCTION WITH THE CONTRACTOR (OPERATORS), MUST OBTAIN A CONSTRUCTION GENERAL PERMIT (CGP) FOR LARGE CONSTRUCTION ACTIVITIES (FIVE OR MORE ACRES) OR SMALL CONSTRUCTION ACTIVITIES (GREATER THAN ONE ACRE BUT LESS THAN FIVE ACRES) FROM THE ENVIRONMENTAL PROTECTION AGENCY (EPA). AS PART OF THE CGP, A STORMWATER NOTICE OF INTENT (NOI) MUST BE SUBMITTED TO THE EPA AT LEAST 7 DAYS PRIOR TO COMMENCING CONSTRUCTION. THE NOI MUST BE SUBMITTED TO STORM WATER NOTICE OF INTENT (4203M), USEPA, 1200 PENNSYLVANIA AVE. NW, WASHINGTON, DC 20460.

2. THE CGP OUTLINES A SET OF PROVISIONS MANDATING THE OWNER AND CONTRACTOR TO COMPLY WITH THE REQUIREMENTS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER REGULATIONS, INCLUDING, BUT NOT LIMITED TO, STORM WATER POLLUTION PREVENTION PLANS (SWPPP'S), IMPLEMENTATION OF EROSION AND SEDIMENTATION CONTROLS, EQUIPMENT MAINTENANCE GUIDELINES, ETC. PLEASE CONTACT USEPA OFFICE OF WASTEWATER MANAGEMENT AT 202-564-9545 OR AT WWW.EPA.GOV/NPDES/STORMWATER FOR ADDITIONAL INFORMATION. FOR FURTHER ASSISTANCE, CONTACT ABBY SWAINE OF NEW ENGLAND'S EPA REGION 1 AT 617-918-1841.

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HORIZONTAL SCALE 1"=400'
400 200 0 400

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No. 14086
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12/24/25

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MATCHLINE (SHEET C-45)

MATCHLINE (SHEET C-45)

LITTLE CITY ROAD

DODGE CROSS ROAD

460

460

450

450

440

440

430

430

420

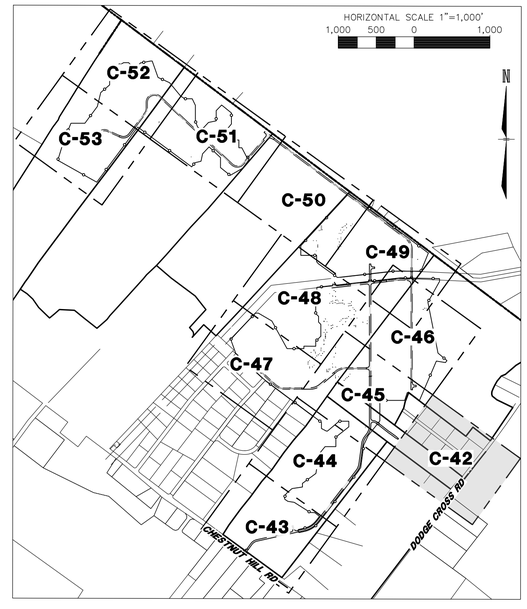
DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

EXISTING ACCESS DRIVE
TO BE MAINTAINED

HORIZONTAL SCALE 1"=60'
60 30 0 60

NOTES

1. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.



LOCUS MAP

SCALE: 1"=1000'

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SEDIMENT & EROSION CONTROL PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

SCALE: AS NOTED **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
2/24/25

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

TFM
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

48 Constitution Drive
Bedford, NH 03110
Phone (603) 472-4488
Fax (603) 472-9747
www.tfmoran.com

FILE	47587-00	DR	JB	FB	–	C-42
		CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	

DIG SAFE
811 OR 1-888-DIG-SAFE
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

MATCHLINE (SHEET C-44)

MATCHLINE (SHEET C-44)

PROPOSED FENCE (SEE DETAILS)

INFILTRATION BASIN #3
BERM=336.0
BTTM.ELEV=332.0

6' WIDE BERM
ELEV=336.0

6'WX9'L SPILLWAY
ELEV=335.5

WETLAND BUFFER IMPACT AREA #10
1,724± S.F. CLASS TWO

12" RCP
L=24', S=0.020

FES D1-3
INV(IN)=317.56

WETLAND BUFFER IMPACT AREA #11
7,206± S.F. CLASS TWO

FES D1-4
INV(OUT)=317.00

WETLAND IMPACT AREA #32C
PERMANENT 1,039 SF
TEMPORARY 184 SF

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

SEDIMENT FOREBAY #2
WEIR ELEV=311.25
BTTM.ELEV=309.25

WETLAND BUFFER IMPACT AREA #12
49,638± S.F. CLASS ONE

6' WIDE BERM
ELEV=312.0

6'WX12'L SPILLWAY
ELEV=311.75

INFILTRATION BASIN #2
BERM=312.0
BTTM.ELEV=309.25

WETLAND IMPACT AREA #32A
PERMANENT 201 SF
TEMPORARY 55 SF

DRIVEWAY 1

12" RCP
L=33', S=0.009

FES D1-1

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

PROPOSED
TREELINE (TYP.)

FES D1-2
INV(OUT)=307.16

6'WX9'L SPILLWAY
ELEV=311.5

6' WIDE BERM
ELEV=312.0

WETLAND BUFFER IMPACT AREA #13
36,481± S.F. CLASS ONE

WETLAND IMPACT AREA #32B
PERMANENT 3,511 SF
TEMPORARY 477 SF

SEDIMENT FOREBAY #1
WEIR ELEV=311.5
BTTM.ELEV=309.5

INFILTRATION BASIN #1
BERM=312.0
BTTM.ELEV=309.5

100' CLASS 1

50'

POST/RW/2"

CHESTNUT HILL ROAD

HORIZONTAL SCALE 1"=60'
60 30 0 60

NOTES

1. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000

C-52
C-53
C-51
C-50
C-49
C-48
C-46
C-47
C-45
C-44
C-42
C-43
CHESTNUT HILL RD
DODGE CROSS RD

LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SEDIMENT & EROSION CONTROL PLAN

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2/24/25

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FILE	DR	JB	FB	–	C-43
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	

DIG SAFE
CONTACT DIG SAFE - 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

MATCHLINE (SHEET C-45)

MATCHLINE (SHEET C-47)

MATCHLINE (SHEET C-45)

SEDIMENT FOREBAY #12 BERM=412.0 BTTM. ELEV=410.0

6'WX9'L SPILLWAY ELEV=411.5

6' WIDE BERM ELEV=412.0

INFILTRATION BASIN #12 BERM=412.0 BTTM. ELEV=409.0

PROPOSED TREELINE (TYP.)

DOUBLE ROW MULCH BERM OR MULCH BERM & SILT SOCK

LIMITS OF FLUSHCUT NO STUMPING OR GRUBBING

WETLAND IMPACT AREA #31
PERMANENT 19 SF (19 ANCHORS)
TEMPORARY 2,971 SF

WETLAND BUFFER IMPACT AREA #9
58,093± S.F. CLASS TWO

DOUBLE ROW MULCH BERM OR MULCH BERM & SILT SOCK

WETLAND IMPACT AREA #33
PERMANENT 835 SF
TEMPORARY 65 SF

INLINE DRAIN
RIM=360.0
INV. IN=356.0
INW. OUT=356.0

12" HDPE, 38 LF
S = 0.005 FT/FT

12" HDPE, 210 LF
S = 0.005 FT/FT

INLINE DRAIN
RIM=359.8
INV. IN=355.8
INV. OUT=355.8

INLINE DRAIN
RIM = 361.0
INV. OUT=357.0

12" HDPE, 50 LF
S = 0.036 FT/FT

STONE INFILTRATION TRENCH.
SLOPE ALONG TRENCH
SURFACE=0.005 FT/FT (SEE DETAILS)

INLINE DRAIN
RIM=358.0
INV. IN=354.0
INV. OUT=352.0

INLINE DRAIN
RIM=344.0
INV. IN=340.0
INW. OUT=340.0

STONE INFILTRATION TRENCH.
SLOPE ALONG TRENCH
SURFACE=0.005 FT/FT (SEE DETAILS)

12" HDPE, 158 LF
S = 0.078 FT/FT

12" HDPE, 120 LF
S = 0.005 FT/FT

12" HDPE, 55 LF
S = 0.072 FT/FT

INLINE DRAIN
RIM=344.0
IN=339.4
INV. IN=339.4
INV. OUT=338.0

FES
INV.=334.0

DRIVEWAY 1

WETLAND IMPACT AREA #34
PERMANENT 2,006 SF

MATCHLINE (SHEET C-43)

INFILTRATION BASIN #3
BERM=336.0
BTTM.ELEV=332.0

6' WIDE BERM
ELEV=336.0

6'WX9'L SPILLWAY
ELEV=335.5

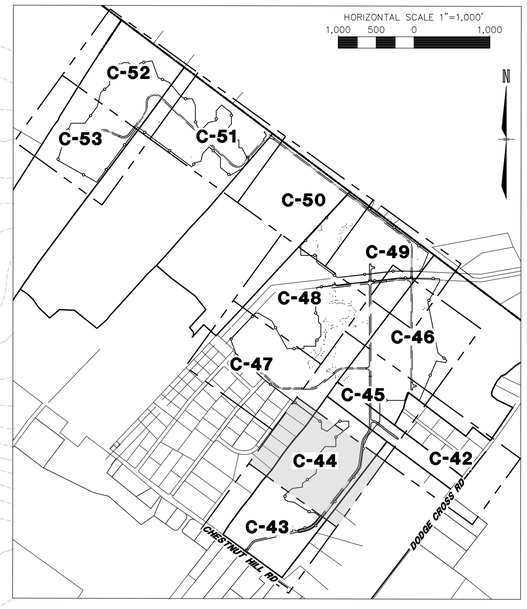
12" RCP
L=24', S=0.020

HORIZONTAL SCALE 1"=60'
60 30 0 60

NOTES

1. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

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LICENSED PROFESSIONAL ENGINEER
3/24/25

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FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-44

MATCHLINE (SHEET C-46)

MATCHLINE (SHEET C-47)

MATCHLINE (SHEET C-46)

MATCHLINE (SHEET C-42)

MATCHLINE (SHEET C-44)

MATCHLINE (SHEET C-47)

WETLAND IMPACT AREA#18
PERMANENT 6 SF (6 ANCHORS)
TEMPORARY 809 SF

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

LIMITS OF FLUSHCUT
NO STUMPING OR GRUBBING

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

LIMITS OF FLUSHCUT
NO STUMPING OR GRUBBING

12" RCP
L=28', S=0.020
FES D2-1
INV(IN)=443.00

FES D2-2
INV(OUT)=442.44

DOUBLE ROW MULCH BERM
MULCH BERM & SILT SOCK

LIMITS OF FLUSHCUT
STUMPING OR GRUBBING

12" HDPE,
S = 0.005

DRIVEWAY 2

INLINE DRAIN
RIM = 430.0
OUT=427.0

12" HDPE, 143 LF
S=0.01 FT/FT
FES OS#1
INV.=418.0

INFILTRATION BASIN #17
BERM=420.5
BTTM.ELEV=415.0

6'WXG'L SPILLWAY
ELEV

6' WIDE BERM
ELEV=420.5

WETLAND IMPACT AREA#32
PERMANENT 2,666 SF
(INCLUDING 135 ANCHORS)
TEMPORARY 19,542 SF

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

LIMITS OF FLUSHCUT
NO STUMPING OR GRUBBING

WETLAND IMPACT AREA #30
PERMANENT 55 SF (55 ANCHORS)
TEMPORARY 8,987 SF

DRIVEWAY 1

INLINE DRAIN
RIM = 460.0
OUT=456.9

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

LIMITS OF FLUSHCUT
NO STUMPING OR GRUBBING

WETLAND IMPACT AREA #19B
PERMANENT 386 SF
TEMPORARY 315 SF

12" HDPE
L = 144
S = 0.005

INLINE DRAIN
RIM=462.0
IN=456.2
OUT=456.1

12" HDPE
L=23'
S=0.005

FES
INV.=456.0

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

INFILTRATION BASIN #15
BERM=460.0
BTTM.ELEV=456.0

6'WX9'L SPILLWAY
ELEV=459.75

6' WIDE BERM
ELEV=460.0

DRIVEWAY 4

WETLAND BUFFER IMPACT AREA #16
20,160± S.F. CLASS ONE

100' CLASS

POST/FENCE

WETLAND IMPACT AREA #19C
PERMANENT 1,288 SF
TEMPORARY 282 SF

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

12" RCP CULVERT, 65 LF
S=0.046 FT/FT

PROPOSED TREELINE
(TYP.)

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

WETLAND IMPACT AREA#19D
PERMANENT 562 SF
TEMPORARY 249

NOTES

1. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000

N

C-52
C-53
C-51
C-50
C-49
C-48
C-46
C-47
C-45
C-44
C-42
C-43
CHESTNUT HILL RD
DODGE CROSS RD

LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

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NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
12/24/25

DIG SAFE
CALL BEFORE YOU DIG
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

HORIZONTAL SCALE 1"=60'
60 30 0 60

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-45

MATCHLINE (SHEET C-49)

MATCHLINE (SHEET C-48)

MATCHLINE (SHEET C-45)

DRIVEWAY 3

DRIVEWAY 4

DRIVEWAY 1

WETLAND IMPACT AREA #19A
PERMANENT 2,004 SF
TEMPORARY 311 SF

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

FES D3-1
INV(IN)=471.00

12" RCP
L=28', S=0.020

FES D3-2
INV(OUT)=470.44

JUNCTION BOX
(TYP.)

WETLAND IMPACT AREA#21
PERMANENT 7 SF (7 ANCHORS)
TEMPORARY 1,241 SF

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

LIMITS OF FLUSHCUT
NO STUMPING OR GRUBBING

WETLAND BUFFER IMPACT AREA #14
1,197± S.F. CLASS TWO

100' CLASS

WETLAND IMPACT AREA#17
PERMANENT 228 SF
(INCLUDING 21 ANCHORS)
TEMPORARY 2,608 SF

LIMITS OF FLUSHCUT
NO STUMPING OR GRUBBING

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

WETLAND IMPACT AREA#16
PERMANENT 109 SF (109 ANCHORS)
TEMPORARY 14,835 SF

WETLAND IMPACT AREA#20
PERMANENT 11 SF (11 ANCHORS)
TEMPORARY 1,828 SF

INLINE DRAIN
RIM = 459.9
OUT=457.9

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

LIMITS OF FLUSHCUT

INLINE DRAIN
RIM = 460.0
OUT=456.9

12" HDPE

INLINE DRAIN
RIM=462.0
IN=456.2
OUT=456.1

INFILTRATION BASIN #20
BERM=464.0
BTTM.ELEV=462.0

6' WIDE BERM
ELEV=464.0

6'WX9'L SPILLWAY
ELEV=463.5

INFILTRATION BASIN #21
BERM=462.0
BTTM.ELEV=460.0

6' WIDE BERM
ELEV=462.0

6'WX9'L SPILLWAY
ELEV=461.5

PROPOSED TREELINE
(TYP.)

INFILTRATION BASIN #22
BERM=462.0
BTTM.ELEV=460.5

6' WIDE BERM
ELEV=462.0

6'WX9'L SPILLWAY
ELEV=461.5

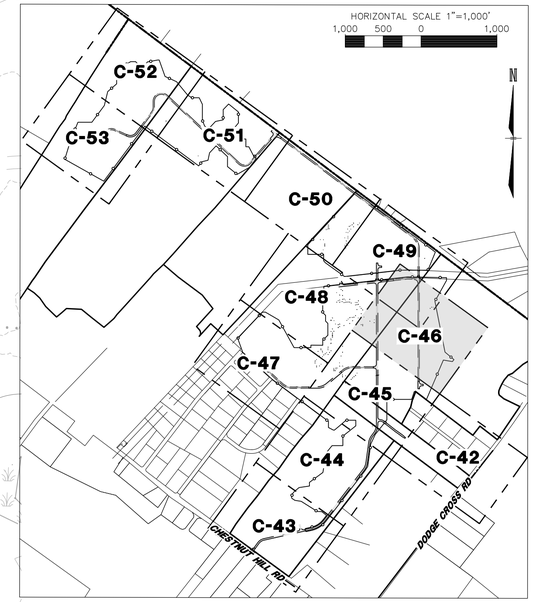
WETLAND BUFFER IMPACT AREA #15
56,529± S.F. CLASS TWO

NOTES

1. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.

HORIZONTAL SCALE 1"=60'
60 30 0 60

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SEDIMENT & EROSION CONTROL PLAN

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5/24/25

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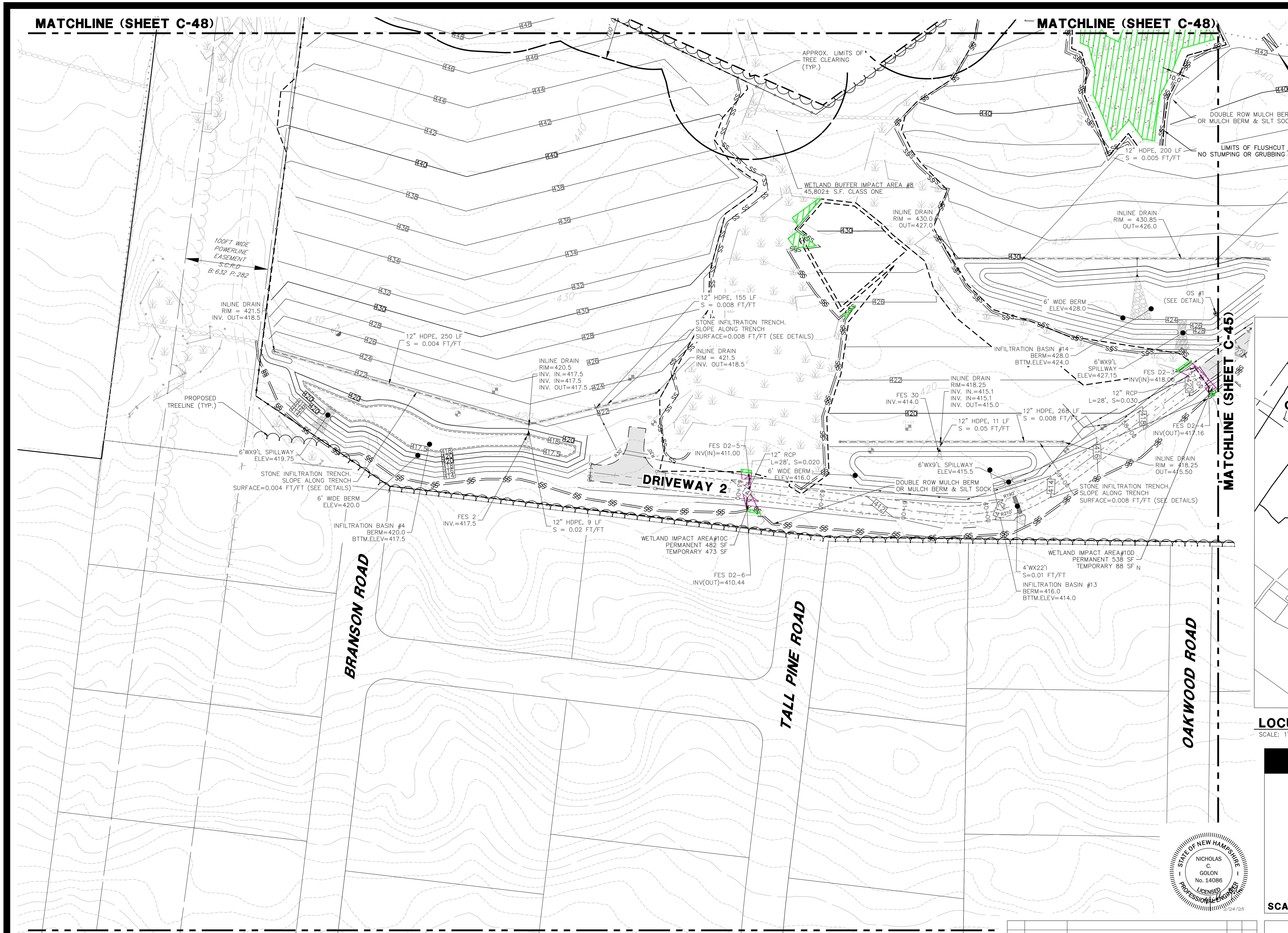
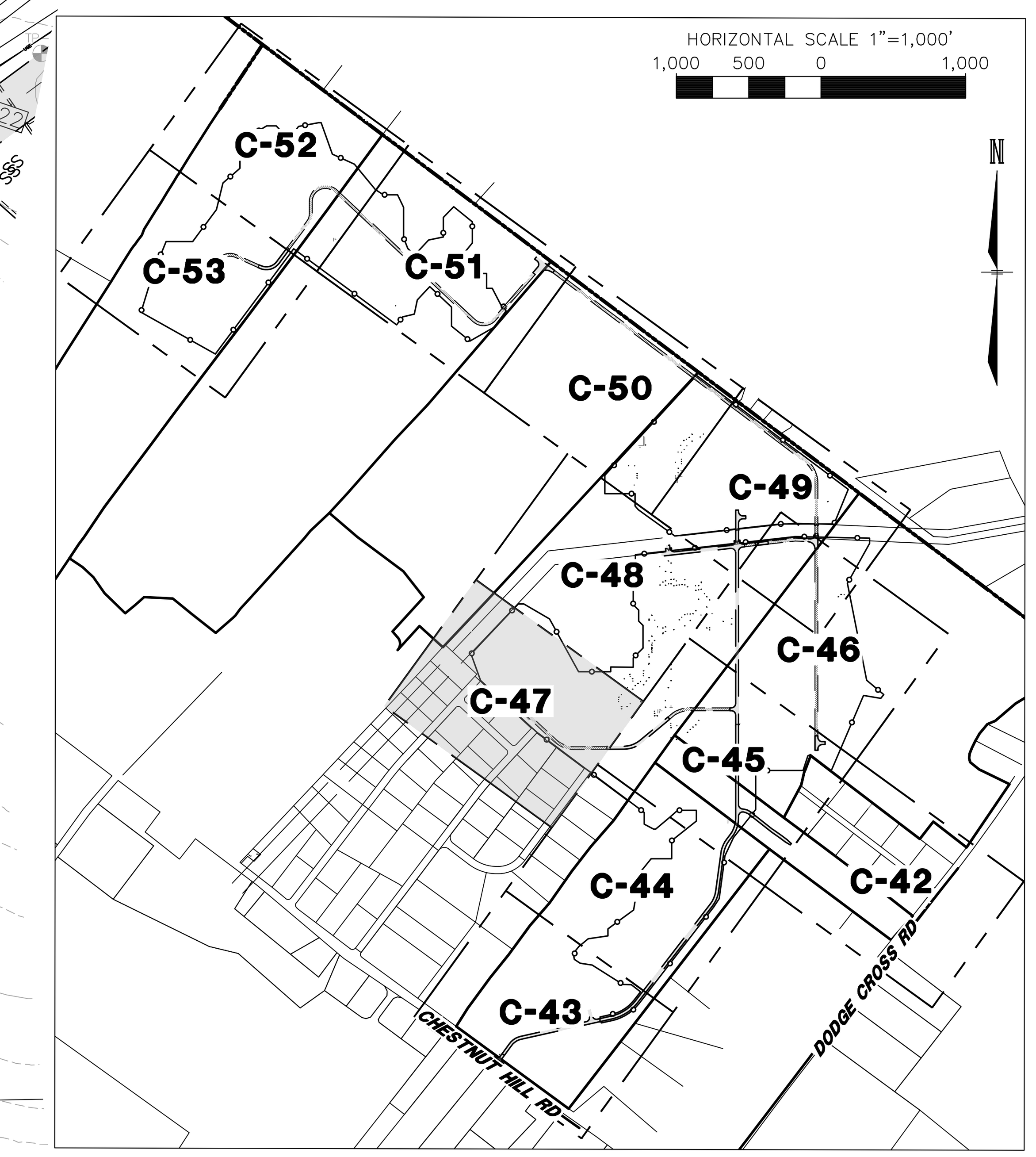
FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-46

NOTES

1. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.



MATCHLINE (SHEET C-48)
MATCHLINE (SHEET C-48)
MATCHLINE (SHEET C-45)
APPROX. LIMITS OF TREE CLEARING (TYP.)
DOUBLE ROW MULCH BERM OR MULCH BERM & SILT SOCK
LIMITS OF FLUSHCUT NO STUMPING OR GRUBBING
12" HDPE, 200 LF S = 0.005 FT/FT
WETLAND BUFFER IMPACT AREA #8 45,802± S.F. CLASS ONE
INLINE DRAIN RIM = 430.0 OUT=427.0
INLINE DRAIN RIM = 430.85 OUT=426.0
100FT WIDE POWERLINE EASEMENT S.C.R.D. B:632 P:282
INLINE DRAIN RIM = 421.5 INV. OUT=418.5
12" HDPE, 155 LF S = 0.008 FT/FT
STONE INFILTRATION TRENCH. SLOPE ALONG TRENCH SURFACE=0.008 FT/FT (SEE DETAILS)
6' WIDE BERM ELEV=428.0
OS #1 (SEE DETAIL)
INFILTRATION BASIN #14 BERM=428.0 BTTM.ELEV=424.0
6'WX9'L SPILLWAY ELEV=427.15
FES D2-3 INV(IN)=418.00
12" HDPE, 250 LF S = 0.004 FT/FT
INLINE DRAIN RIM = 421.5 INV. OUT=418.5
INLINE DRAIN RIM=420.5 INV. IN.=417.5 INV. IN=417.5 INV. OUT=417.5
INLINE DRAIN RIM=418.25 INV. IN.=415.1 INV. IN=415.1 INV. OUT=415.0
FES 30 INV.=414.0
12" RCP L=28', S=0.030
12" HDPE, 268 LF S = 0.008 FT/FT
12" HDPE, 11 LF S = 0.05 FT/FT
FES D2-4 INV(OUT)=417.16
PROPOSED TREELINE (TYP.)
6'WX9'L SPILLWAY ELEV=419.75
FES D2-5 INV(IN)=411.00
12" RCP L=28', S=0.020
6' WIDE BERM ELEV=416.0
6'WX9'L SPILLWAY ELEV=415.5
DOUBLE ROW MULCH BERM OR MULCH BERM & SILT SOCK
INLINE DRAIN RIM = 418.25 OUT=415.50
STONE INFILTRATION TRENCH. SLOPE ALONG TRENCH SURFACE=0.004 FT/FT (SEE DETAILS)
STONE INFILTRATION TRENCH SLOPE ALONG TRENCH SURFACE=0.008 FT/FT (SEE DETAILS)
DRIVEWAY 2
6' WIDE BERM ELEV=420.0
INFILTRATION BASIN #4 BERM=420.0 BTTM.ELEV=417.5
FES 2 INV.=417.5
12" HDPE, 9 LF S = 0.02 FT/FT
WETLAND IMPACT AREA#10C PERMANENT 482 SF TEMPORARY 473 SF
WETLAND IMPACT AREA#10D PERMANENT 538 SF TEMPORARY 88 SF
4'WX22'L S=0.01 FT/FT
INFILTRATION BASIN #13 BERM=416.0 BTTM.ELEV=414.0
FES D2-6 INV(OUT)=410.44
BRANSON ROAD
TALL PINE ROAD
OAKWOOD ROAD
HORIZONTAL SCALE 1"=60'
60 30 0 60



LOCUS MAP

SCALE: 1"=1000'

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VARIOUS TAX MAPS & LOTS

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47587-00	DR JB	FB	–		C-47
	CK NG	CADFILE	47587-00 DESIGN_LAYOUT		

MATCHLINE (SHEET C-50)

MATCHLINE (SHEET C-49)

MATCHLINE (SHEET C-46)

MATCHLINE (SHEET C-45)

MATCHLINE (SHEET C-47)

INFILTRATION BASIN #19
BERM=478.0
BTTM. ELEV=476.0

6' WIDE BERM
ELEV=478.0

6'WX9'L SPILLWAY
ELEV=477.5

UTILITY POLE #1 (NEW EVERSOURCE LOAD BREAK)

UTILITY POLE #2 (EVERSOURCE RECLOSER)

WETLAND BUFFER IMPACT AREA #1
12,872± S.F. CLASS TWO

WETLAND BUFFER IMPACT AREA #2
23,287± S.F. CLASS TWO

WETLAND BUFFER IMPACT AREA #6
147,187± S.F. CLASS TWO

WETLAND BUFFER IMPACT AREA #7
139,755± S.F. CLASS ONE

POINT OF
INTERCONNECTION (POI)

PSNH 3174 #36

DRIVEWAY 3

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

LIMITS OF FLUSHCUT
NO STUMPING OR GRUBBING

VERNAL
POOL

TRANSMISSION
LINE POLE (TYP.)
PSNH 3174 #37

100' CLASS 1

50'

WETLAND IMPACT AREA#11
PERMANENT 47 SF (47 ANCHORS)
TEMPORARY 7,556 SF

WETLAND IMPACT AREA#13
PERMANENT 40 SF (40 ANCHORS)
TEMPORARY 6,330

WETLAND IMPACT AREA#16
PERMANENT 109 SF (109 ANCHORS)
TEMPORARY 14,835 SF

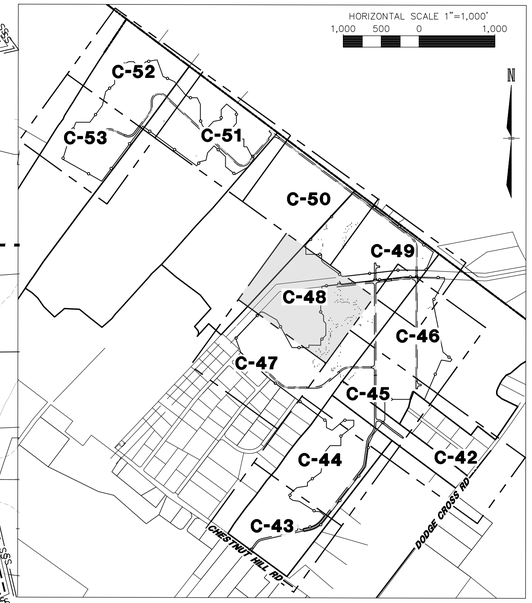
APPROX. LIMITS OF
TREE CLEARING
(TYP.)

WETLAND IMPACT AREA#15
PERMANENT 324 SF (324 ANCHORS)
TEMPORARY 43,559 SF

NOTES

1. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000



LOCUS MAP

SCALE: 1"=1000'

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

SEDIMENT & EROSION CONTROL PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

SCALE: AS NOTED **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
12/24/25

DIG SAFE
811 DIG SAFE
CALL BEFORE YOU DIG
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

HORIZONTAL SCALE 1"=60'
60 30 0 60

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

TFM
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Structural Engineers
Traffic Engineers
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Scientists

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Bedford, NH 03110
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Fax (603) 472-9747
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FILE	DR	JB	FB	–	C-48
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	

NOTES

1. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.

MATCHLINE (SHEET C-50)

MATCHLINE (SHEET C-46)

MATCHLINE (SHEET C-46)

PROPOSED TREELINE (TYP.)

WETLAND IMPACT AREA#22
PERMANENT 2,187 SF
(INCLUDING 50 ANCHORS)
TEMPORARY 7,057 SF

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

LIMITS OF FLUSHCUT
NO STUMPING OR GRUBBING

INLINE DRAIN
RIM = 480.5
OUT=477.5

12" HDPE, 200 LF
S = 0.005 FT/FT

FES D4-1
INV(IN)=473.00

12" RCP
L=28', S=0.040

FES D4-2
INV(OUT)=471.88

INLINE DRAIN
RIM = 480.25
OUT=477.1

DRIVEWAY 4

100FT WIDE POWERLINE EASEMENT
B-632 P-28

APPROX. LIMITS OF TREE CLEARING (TYP.)

INFILTRATION BASIN #23
BERM=468.0
BTTM.ELEV=466.0

6' WIDE BERM
ELEV=468.0

6'WX9'L SPILLWAY
ELEV=467.5

WETLAND BUFFER IMPACT AREA #4
147,187± S.F. CLASS TWO

SEDIMENT FOREBAY #16
WEIR=476.0
BTTM.ELEV=474.0

6' WIDE BERM
ELEV=480.0

INFILTRATION BASIN #16
BERM=480.0
BTTM.ELEV=476.0

18'WX9'L SPILLWAY
ELEV=479.75

WETLAND IMPACT AREA #19A
PERMANENT 2,004 SF
TEMPORARY 311 SF

DRIVEWAY 3

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

FES D3-1
INV(IN)=471.00

12" RCP
L=28', S=0.080

FES D3-2
INV(OUT)=470.44

DRIVEWAY 1

WETLAND BUFFER IMPACT AREA #5
147,187± S.F. CLASS TWO

WETLAND BUFFER IMPACT AREA #3
77,138± S.F. CLASS TWO

WETLAND IMPACT AREA #14
PERMANENT 42 SF
TEMPORARY 33 SF

STONE INFILTRATION TRENCH
SLOPE ALONG TRENCH
S=0.03 FT/FT
(SEE DETAIL)

UTILITY POLE #7 (RISER)

UTILITY POLE #6 (CUSTOMER RECLOSER)

UTILITY POLE #5 (CUSTOMER METER)

UTILITY POLE #4 (CUSTOMER LOAD BREAK)

UTILITY POLE #3
(EVERSOURCE PRIMARY REVENUE METERING)

6'WX9'L SPILLWAY
ELEV=479.5

6' WIDE BERM
ELEV=480.0

INFILTRATION BASIN #11
BERM=480.0
BTTM. ELEV=476.0

JUNCTION BOX
(TYP.)

WETLAND IMPACT AREA#21
PERMANENT 7 SF (7 ANCHORS)
TEMPORARY 1,241 SF

WETLAND BUFFER IMPACT AREA
1,197± S.F. CLAS

LIMITS OF FLUSHCUT

HORIZONTAL SCALE 1"=60'
60 30 0 60

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000

C-52
C-53
C-51
C-50
C-49
C-48
C-46
C-47
C-45
C-44
C-42
C-43
CHESTNUT HILL RD
DODGE CROSS RD

LOCUS MAP

SCALE: 1"=1000'

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47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-49

NOTES

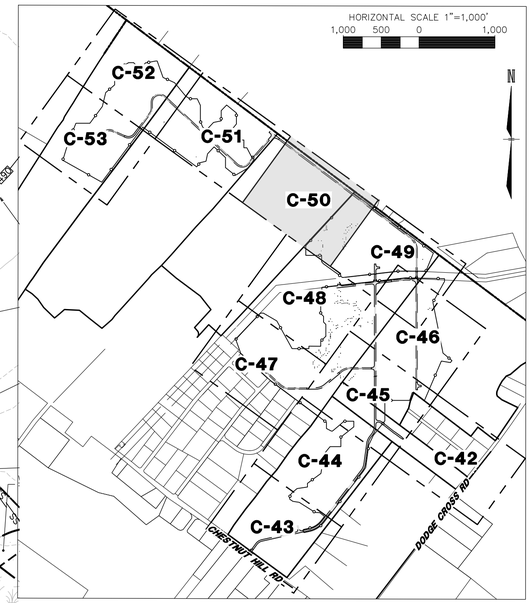
1. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.

RISER POLE #11
RISER POLE #10
RISER POLE #9
RISER POLE #8
DRIVEWAY 4
DOUBLE ROW MULCH BERM OR MULCH BERM & SILT SOCK
LIMITS OF FLUSHCUT NO STUMPING OR GRUBBING
PROPOSED TREELINE (TYP.)
VEGETATED BUFFER HYDOLOGIC SOIL GROUP B FORRESTED LENGTH OF FLOW PATH=60' MIN.
STONE INFILTRATION TRENCH, SLOPE ALONG TRENCH SURFACE=0.035 FT/FT (SEE DETAILS)
APPROX. LIMITS OF TREE CLEARING (TYP.)
WETLAND IMPACT AREA#10A PERMANENT 85 SF (85 ANCHORS) TEMPORARY 11,245 SF
GRASSED FLAT-BOTTOM SWALE S=0.02 FT/FT (SEE DETAIL)
WETLAND IMPACT AREA#10B PERMANENT 66 SF (66 ANCHORS) TEMPORARY 11,199 SF
INFILTRATION BASIN #18 BERM=478.0 BTTM. ELEV=476.0
6' WIDE BERM ELEV=478.0
INFILTRATION BASIN #19 BERM=478.0 BTTM. ELEV=476.0
6' WIDE BERM ELEV=478.0
6'WX9'L SPILLWAY

MATCHLINE (SHEET C-51)
MATCHLINE (SHEET C-49)
MATCHLINE (SHEET C-48)

HORIZONTAL SCALE 1"=60'
60 30 0 60

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000



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FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-50

NOTES

1. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.

MATCHLINE (SHEET C-52)

MATCHLINE (SHEET C-50)

DRIVEWAY 4

PROPOSED TREELINE (TYP.)

RISER POLE #12

WETLAND IMPACT AREA#1A
PERMANENT 7,181 SF
TEMPORARY 1,207 SF

WETLAND BUFFER IMPACT AREA #23
64,852± S.F. CLASS ONE
26,389± S.F. CLASS TWO

WETLAND BUFFER IMPACT AREA #24
277,587± S.F. CLASS ONE

WETLAND IMPACT AREA #1D
PERMANENT 733 SF
TEMPORARY 266 SF

WETLAND IMPACT AREA #1B
PERMANENT 699 SF
TEMPORARY 126 SF

WETLAND IMPACT AREA #1C
PERMANENT 27 SF (27 ANCHORS)
TEMPORARY 4,689 SF

WETLAND IMPACT AREA #1E
PERMANENT 110 SF (110 ANCHORS)
TEMPORARY 15,983 SF

12" RCP
L=28', S=0.012

FES D4-3
INV(IN)=506.56

FES D4-13
INV(IN)=506.35

12" RCP
L=28', S=0.011

FES D4-4
INV(OUT)=506.22

FES D4-14
INV(OUT)=506.05

DOUBLE ROW MULCH BEI
OR MULCH BERM & SILT

100' CLASS 1

FES D4-7
INV(IN)=497.30

FES D4-8
INV(OUT)=495.90

12" RCP
L=28', S=0.050

FES D4-5
INV(IN)=496.12

12" RCP
L=28', S=0.040

FES D4-6
INV(OUT)=495.00

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

LIMITS OF FLUSHCUT
NO STUMPING OR GRUBBING

INLINE DRAIN
RIM = 485.0
INV. OUT=482.2

FES
:482.0

6'WX9'L SPILLWAY
ELEV=485.5'

6'WX9'L SPILLWAY
ELEV=483.5

STONE INFILTRATION TRENCH.
SLOPE ALONG TRENCH
SURFACE=0.004 FT/FT (SEE DETAILS)

12" HDPE, 17 LF
S=0.01 ft/ft

INFILTRATION BASIN #7
SEDIMENT ELEV=486.0
BTM ELEV=482.0

INFILTRATION BASIN #6
BERM=486.0
BTM ELEV=481.0

INFILTRATION BASIN #5
SEDIMENT ELEV=486.0
BTM ELEV=482.0

6' WIDE BERM
ELEV=486.0

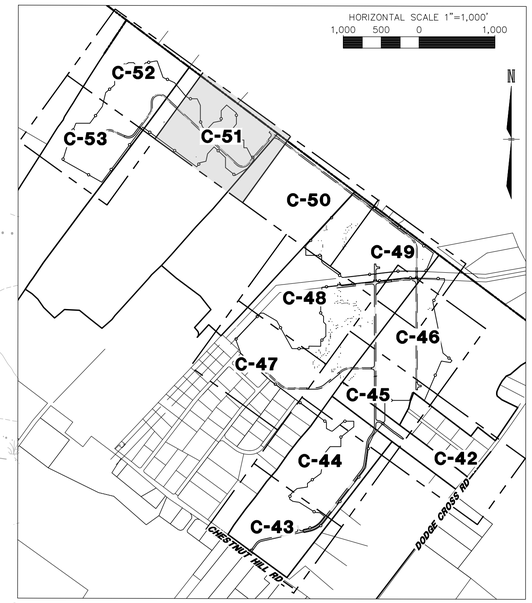
6' WIDE BERM
ELEV=484.0

APPROX. LIMITS OF
TREE CLEARING
(TYP.)

VEGETATED BUFFER
HYDOLOGIC SOIL GROUP B
VEGETATED LENGTH OF FLOW PATH=80' MIN.

HORIZONTAL SCALE 1"=60'
60 30 0 60

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000



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SCALE: 1"=1000'

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NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
5/24/25

REV	DATE	DESCRIPTION	DR	CK
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FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-51

NOTES

1. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.

WETLAND BUFFER IMPACT AREA #19
60,448± S.F. CLASS ONE
138,579± S.F. CLASS TWO

WETLAND BUFFER IMPACT AREA #18
127,856± S.F. CLASS TWO

WETLAND BUFFER IMPACT AREA #17
13,019± S.F. CLASS ONE
815± S.F. CLASS TWO

WETLAND BUFFER IMPACT AREA #20
18,779± S.F. CLASS TWO

WETLAND IMPACT AREA #6
PERMANENT 316 SF
TEMPORARY 74 SF

PROPOSED TREELINE (TYP.)

100' CLASS 1

50'

MATCHLINE (SHEET C-51)

MATCHLINE (SHEET C-53)

DRIVEWAY 4

DOUBLE ROW MULCH BERM OR MULCH BERM & SILT SOCK

STONE INFILTRATION TRENCH, SLOPE ALONG TRENCH SURFACE=0.002 FT/FT (SEE DETAILS)

INFILTRATION BASIN #1
BERM=484.0
BTTM.ELEV=481.5

6'WX9'L SPILLWAY
ELEV=483.5

INLINE DRAIN
RIM=484.6
INV. OUT=481.6

12" HDPE, 10 LF
S=0.01 FT/FT

FES
INV.OUT=481

6'WX9'L SPILLWAY
ELEV=485.5

INLINE DRAIN
RIM = 475.5
INV. OUT=472.0

SIDE BERM
ELEV=484.0

STONE INFILTRATION TRENCH, SLOPE ALONG TRENCH SURFACE=0.004 FT/FT (SEE DETAILS)

12" HDPE, 116 LF
S = 0.004 FT/FT

INLINE DRAIN
RIM = 474.1
INV. OUT=471.1

12" HDPE, 36 LF
S = 0.017 FT/FT

12" HDPE, 96 LF
S = 0.004 FT/FT

INLINE DRAIN
RIM=474.5
INV. OUT=471.5

INFILTRATION BASIN #2
BERM=470.0
BTTM.ELEV=467.5

FES D4-9
INV(IN)=467.40

HORIZONTAL SCALE 1"=60'
60 30 0 60

HORIZONTAL SCALE 1"=1,000'
1,000 500 0 1,000

N

C-52
C-53
C-51
C-50
C-49
C-48
C-46
C-47
C-45
C-44
C-42
C-43
CHESTNUT HILL RD
DODGE CROSS RD

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SCALE: 1"=1000'

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FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-52

MATCHLINE (SHEET C-52)

MATCHLINE (SHEET C-52)

INLINE DRAIN
RIM =475.0
INV. OUT=472.0

STONE INFILTRATION TRENCH.
SLOPE ALONG TRENCH
SURFACE=0.004 FT/FT (SEE DETAILS)

6' WIDE BERM
ELEV=484.0

12" HDPE, 116 LF
S = 0.004 FT/FT

INLINE DRAIN
RIM=475.5
INV. OUT=471.5

INFILTRATION BASIN #9
BERM=470.0
BTTM.ELEV=467.5

FES D4-9
INV(IN)=467.40

INLINE DRAIN
RIM = 475.0
INV. OUT=472.0

12" HDPE, 36 LF
S = 0.017 FT/FT

INLINE DRAIN
RIM = 474.1
INV. OUT=471.1

12" HDPE, 96 LF
S = 0.004 FT/FT

HDPE, 119 LF
= 0.004 FT/FT

INLINE DRAIN
RIM = 474.5
INV. OUT=471.5

12" HDPE, 80 LF
S = 0.005 FT/FT

FES
INV.=470.5

RIP-RAP APRON

6' WIDE BERM
ELEV=470.0

WETLAND IMPACT AREA #1H
PERMANENT 5,098 SF
(INCLUDING 730 SF VERNAL POOL)
TEMPORARY 660 SF

DRIVEWAY 4

12" RCP
L=28', S=0.050

FES D4-10
INV(OUT)=466.00

6'WX9'L SPILLWAY
ELEV=469.5

FES D4-11
INV(IN)=462.28

12" RCP
L=28', S=0.010

FES D4-12
INV(OUT)=462.00

WETLAND IMPACT AREA#1G
PERMANENT 3,025 SF
TEMPORARY 381 SF

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

APPROX. LIMITS OF
TREE CLEARING
(TYP.)

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

WETLAND IMPACT AREA #4
PERMANENT 3 SF (3 ANCHORS)
TEMPORARY 730 SF

INLINE DRAIN
RIM = 451.0
INV. OUT=448.0

WETLAND BUFFER IMPACT AREA #21
87,822± S.F. CLASS TWO

DOUBLE ROW MULCH BERM
OR MULCH BERM & SILT SOCK

LIMITS OF FLUSHCUT
NO STUMPING OR GRUBBING

WETLAND IMPACT AREA #2
PERMANENT 14 SF (14 ANCHORS)
TEMPORARY 2,354 SF

INLINE DRAIN
RIM = 450.5
INV. OUT=447.5

INLINE DRAIN
RIM = 450.1
INV. OUT=447.0

12" HDPE, 177 LF
S = 0.005 FT/FT

12" HDPE, 177 LF
S = 0.005 FT/FT

INLINE DRAIN
RIM = 451.0
INV. OUT=447.0

PROPOSED TREELINE
(TYP.)

12" HDPE, 132 LF
S = 0.004 FT/FT

12" HDPE, 15 LF
S = 0.072 FT/FT

FES
INV.=446.0

RIP-RAP APRON

STONE INFILTRATION TRENCH
SLOPE ALONG TRENCH
SURFACE=0.004 FT/FT (SEE DETAILS)

6'WX9'L SPILLWAY
ELEV=449.5

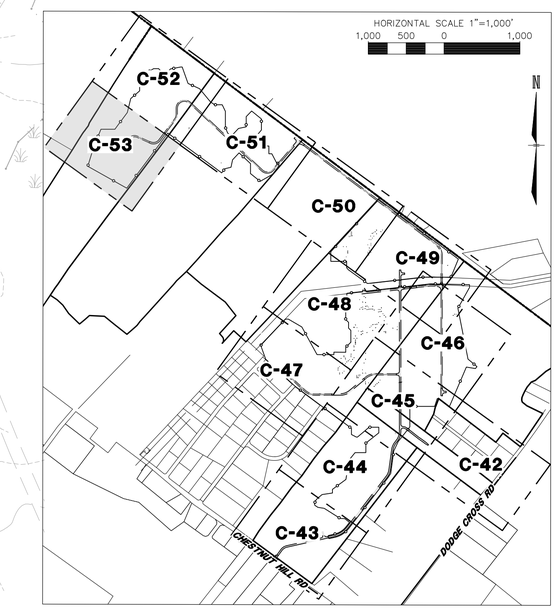
6' WIDE BERM
ELEV=450.0

INFILTRATION BASIN #10
BERM=450.0
BTTM.ELEV=444.0

HORIZONTAL SCALE 1"=60'
60 30 0 60

NOTES

1. SEE STORMWATER MANAGEMENT NOTES ON SHEET C-41.



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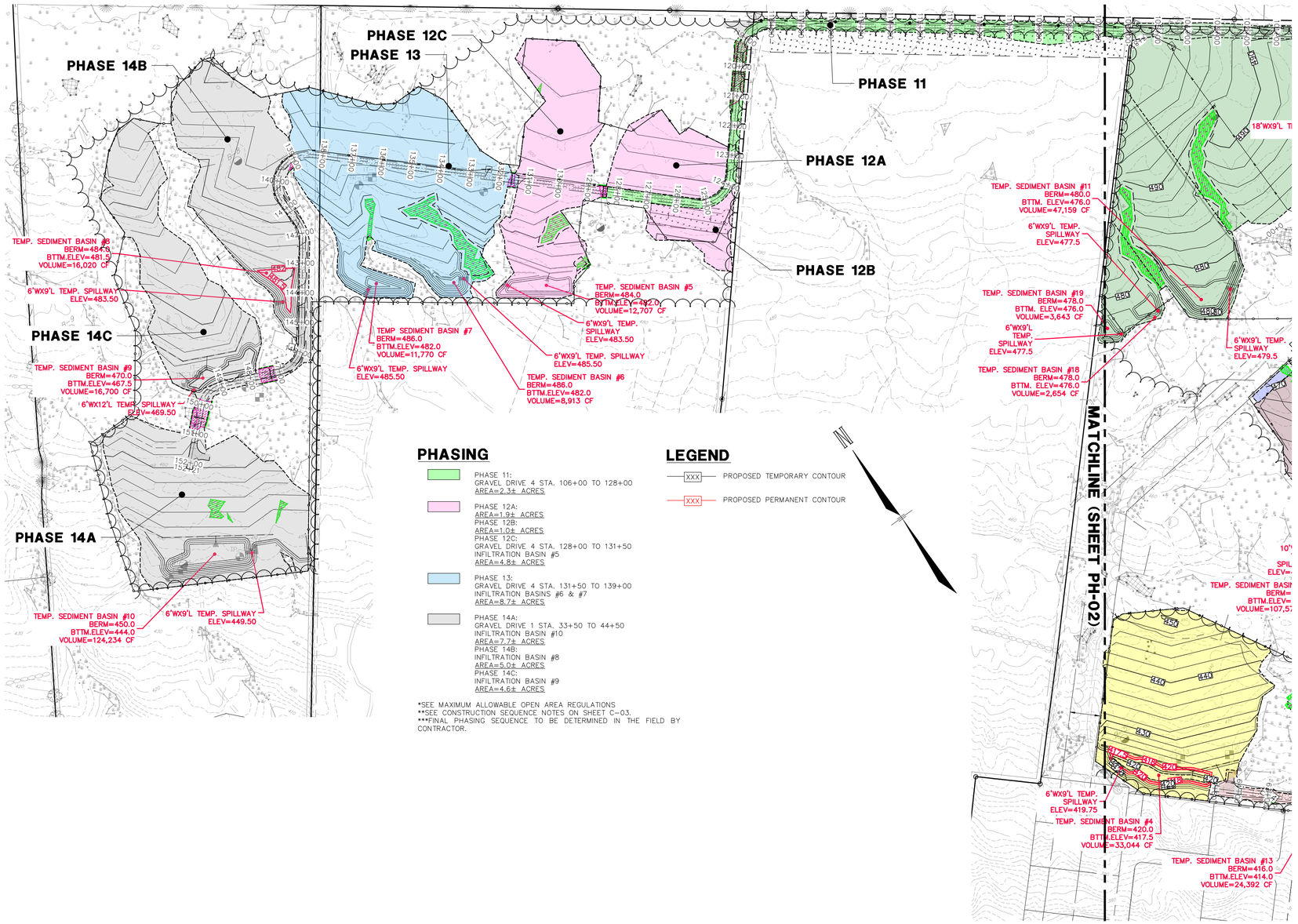
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	C-53



PHASING

- PHASE 11:
  GRAVEL DRIVE 4 STA. 106+00 TO 128+00
  AREA=2.3± ACRES
- PHASE 12A:
  AREA=1.9± ACRES
  PHASE 12B:
  AREA=1.0± ACRES
  PHASE 12C:
  GRAVEL DRIVE 4 STA. 128+00 TO 131+50
  INFILTRATION BASIN #5
  AREA=4.8± ACRES
- PHASE 13:
  GRAVEL DRIVE 4 STA. 131+50 TO 139+00
  INFILTRATION BASINS #6 & #7
  AREA=8.7± ACRES
- PHASE 14A:
  GRAVEL DRIVE 1 STA. 33+50 TO 44+50
  INFILTRATION BASIN #10
  AREA=7.7± ACRES
  PHASE 14B:
  INFILTRATION BASIN #8
  AREA=5.0± ACRES
  PHASE 14C:
  INFILTRATION BASIN #9
  AREA=4.6± ACRES

*SEE MAXIMUM ALLOWABLE OPEN AREA REGULATIONS
**SEE CONSTRUCTION SEQUENCE NOTES ON SHEET C-03.
***FINAL PHASING SEQUENCE TO BE DETERMINED IN THE FIELD BY CONTRACTOR.

LEGEND

- XXX — PROPOSED TEMPORARY CONTOUR
- XXX — PROPOSED PERMANENT CONTOUR

NOTES

1. SEE NOTES ON SHEETS C-02, C-03, STORMWATER MANAGEMENT NOTES ON SHEET C-41, SEDIMENT AND EROSION CONTROL DETAILS ON SHEET D-01, AND APPROVED SWPPP, AS APPLICABLE.
2. EACH AREA OF DISTURBANCE SHALL BE STABILIZED BEFORE ADVANCING TO A SUCCESSIVE PHASE, AS CONFIRMED BY A CPESC OR PE IN A REPORT TO BE SUBMITTED AND APPROVED BY NHDES.
3. IN ACCORDANCE WITH ENV-WQ 1505.03 – MAXIMUM OPEN AREA ALLOWED
   (a) ALL AREAS OF UNSTABILIZED SOIL SHALL BE:
   (1) TEMPORARILY STABILIZED AS SOON AS PRACTICABLE BUT IN ALL CASES WITHIN 45 DAYS OF INITIAL DISTURBANCE, UNLESS A SHORTER TIME IS SPECIFIED BY LOCAL AUTHORITIES, THE CONSTRUCTION SEQUENCE APPROVED AS PART OF THE ISSUED PERMIT, OR AN INDEPENDENT MONITOR; AND
   (2) PERMANENTLY STABILIZED AS SOON AS PRACTICABLE BUT IN ALL CASES WITHIN 3 DAYS OF FINAL GRADING.
   (b) SUBJECT TO (C) AND (F), BELOW, THE AREA OF UNSTABILIZED SOIL SHALL NOT EXCEED 5 ACRES AT ANY TIME.
   (c) THE DEPARTMENT SHALL AUTHORIZE AN APPLICANT TO DISTURB MORE THAN 5 ACRES AT ONE TIME IF THE APPLICANT:
   (1) SUBMITS DOCUMENTATION THAT THE REQUIRED AREAS OF EARTH CUTS AND FILLS ARE SUCH THAT AN AREA OF DISTURBANCE OF 5 ACRES OR LESS WOULD UNREASONABLY LIMIT THE CONSTRUCTION SCHEDULE;
   (2) SUBMITS A CONSTRUCTION SEQUENCE PLAN, DEVELOPED BY A QUALIFIED ENGINEER OR A CPESC SPECIALIST; AND
   (3) EMPLOYS AN ENVIRONMENTAL MONITOR DURING CONSTRUCTION.
   (d) SUBJECT TO (e) BELOW, THE ENVIRONMENTAL MONITOR SHALL:
   (1) INSPECT THE PROJECT SITE ONCE EACH WEEK FROM THE START OF TERRAIN ALTERATION ACTIVITIES UNTIL ALL TERRAIN ACTIVITIES ARE COMPLETED AND THE SITE IS STABILIZED;
   (2) IN ADDITION TO REGULAR WEEKLY INSPECTIONS, INSPECT THE PROJECT SITE DURING ANY RAIN EVENT IN WHICH 0.5 INCH OF PRECIPITATION OR MORE FALLS WITHIN A 24 HOUR PERIOD, PROVIDED THAT IF THE ENVIRONMENTAL MONITOR IS UNABLE TO BE PRESENT DURING SUCH A STORM, THE MONITOR SHALL INSPECT THE SITE WITHIN 24 HOURS OF THE RAIN EVENT;
   (3) SUBMIT A WRITTEN REPORT, STAMPED BY A QUALIFIED ENGINEER OR A CPESC SPECIALIST, TO THE DEPARTMENT WITHIN 24 HOURS OF EACH INSPECTION THAT:
   (A) DESCRIBES THE PROGRESS OF THE PROJECT, INCLUDING WHETHER ALL CONDITIONS OF THE PERMIT ARE BEING MET AND, IF NOT, WHICH REQUIREMENTS ARE NOT BEING MET;
   (B) IF ANY REQUIREMENTS ARE NOT BEING MET, AN EXPLANATION OF THE CORRECTIVE ACTION(S) THAT WILL BE OR ARE BEING TAKEN TO BRING THE PROJECT INTO COMPLIANCE WITH APPLICABLE REQUIREMENTS AND THE DEADLINE BY WHICH SUCH ACTIONS WILL BE COMPLETED; AND
   (C) INCLUDES PHOTOGRAPHS OF THE SITE THAT ARE REPRESENTATIVE OF THE PROJECT; AND
   (4) RETAIN A COPY OF THE REPORT PREPARED PURSUANT TO (3), ABOVE, ON-SITE FOR REVIEW DURING SITE INSPECTIONS BY FEDERAL, STATE, AND LOCAL OFFICIALS.

   (e) ROUTINE INSPECTION FREQUENCY MAY BE REDUCED FROM ONCE EACH WEEK TO AT LEAST ONCE EACH MONTH IS EITHER OF THE FOLLOWING CONDITIONS IS MET:
   (1) WORK AS BEEN SUSPENDED AND THE ENTIRE SITE IS STABILIZED IN ACCORDANCE WITH ENV-WQ 1505.04; OR
   (2) RUNOFF IS UNLIKELY BECAUSE:
   (A) THE GROUND OS FROZEN OR THE SITE IS COVERED WITH SNOW OR ICE; AND
   (B) THE PROJECT IS IN AN AREA WHERE FROZEN CONDITIONS ARE ANTICIPATED TO CONTINUE FOR MORE THAN ONE MONTH.
10. TEMPORARY DIVERSION SWALES, SEDIMENT TRAPS (SEE DETAIL ON SHEET D-01), AND/OR BASINS SHALL BE USED AS NECESSARY TO CONTAIN RUNOFF UNTIL SOILS ARE STABILIZED AND TEMPORARILY DISCONNECT SHEET FLOWS DURING CONSTRUCTION. TACKIFIER SHALL BE APPLIED IN ALL TEMPORARY STABILIZATION UTILIZING SEEDING.

WORK SEQUENCE NOTES

1. AT LEAST 48-HOURS PRIOR TO COMMENCING THE CONSTRUCTION ACTIVITIES, THE PROPERTY OWNER, OR THEIR AGENT, WILL NOTIFY NHDES VIA THE INITIATION OF CONSTRUCTION NOTIFICATION FORM.
2. CONSTRUCTION EQUIPMENT WILL BE INSPECTED DAILY FOR LEAKING FUEL, OIL, AND HYDRAULIC FLUID, AND, IF NECESSARY, REPAIRS WILL BE MADE IMMEDIATELY.
3. CONTRACTORS RESPONSIBLE FOR OPERATING CONSTRUCTION EQUIPMENT WILL HAVE ADEQUATE OIL SPILL KITS ON SITE AND READILY ACCESSIBLE DURING CONSTRUCTION AND THEY WILL BE TRAINED IN DEPLOYING THIS EQUIPMENT SHOULD IT BE REQUIRED.
4. PRIOR TO CONSTRUCTION, SEDIMENT AND EROSION CONTROLS (STUMP GRINDINGS BERM/SILT SOCK) SHALL BE INSTALLED AT THE LIMITS OF THE APPROVED IMPACT AREA.
5. ONCE INSTALLED, A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROLS (CPESC), CERTIFIED EROSION, SEDIMENT AND STORMWATER INSPECTOR (CESSW) OR EPA CONSTRUCTION GENERAL PERMIT (CGP) SITE INSPECTOR WILL INSPECT THE EROSION AND SILTATION CONTROL DEVICES.
6. THE EROSION AND SILTATION CONTROL DEVICES WILL BE MONITORED, INSPECTED, AND ADJUSTED THROUGHOUT THE DURATION OF THE PROJECT AS REQUIRED.
7. EARTHWORK ASSOCIATED WITH STORMWATER MANAGEMENT FEATURES SHALL BE CONSTRUCTED AND STABILIZED PRIOR TO PROCEEDING WITH BUILDING, PARKING, AND ACCESS EARTHWORK.
8. APPROPRIATE DUST CONTROL/MONITORING SHALL BE PROVIDED TO CONTAIN AIRBORNE PARTICLES DURING CONSTRUCTION OF THE GRAVEL ACCESS DRIVE.
9. LEDGE REMOVAL AND STOCKPILING OF MATERIALS FOR REUSE WILL BE CONDUCTED IN VARIOUS AREAS OF THE SITE IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL CODES.
10. ALL AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINAL GRADE, OR PRIOR TO A FORECASTED STORM OF 0.5 INCHES, WHICHEVER OCCURS SOONER. TEMPORARILY STABILIZATION MEASURES MUST REMAIN IN PLACE THROUGH ALL CONSTRUCTION PHASES, UNTIL THE SITE IS PERMANENTLY STABILIZED.
11. STORMWATER MANAGEMENT AREAS SHALL BE INSTALLED AND STABILIZED PRIOR TO DIRECTING FLOW TO THEM.
12. SITE SHALL BE GRADED TO FINISH GRADE; THE DRIVEWAY SHALL BE GRADED TO SUBGRADE SELECTS AND/OR PAVING COURSES AS DETERMINED BY CONSTRUCTION SCHEDULE.
13. PERMANENT SEEDING SHALL BE COMPLETED.
14. REMOVE TEMPORARY EROSION CONTROL MEASURES ONCE ALL AREAS ARE STABILIZED WITH A SUITABLE STAND OF GRASS, PAVEMENT, COMPACTED GRAVEL OR RIP RAP.
15. UPON COMPLETING THE PROJECT, THE PROPERTY OWNER, OR THEIR AGENT, SHALL NOTIFY NHDES VIA THE COMPLETION OF CONSTRUCTION NOTICE AND CERTIFICATE OF COMPLIANCE FORM.

HORIZONTAL SCALE 1"=200'
200 100 0 200

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
2/24/25

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

CONSTRUCTION PHASING PLAN

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY
VARIOUS PARTIES
PREPARED FOR
WALDEN RENEWABLES

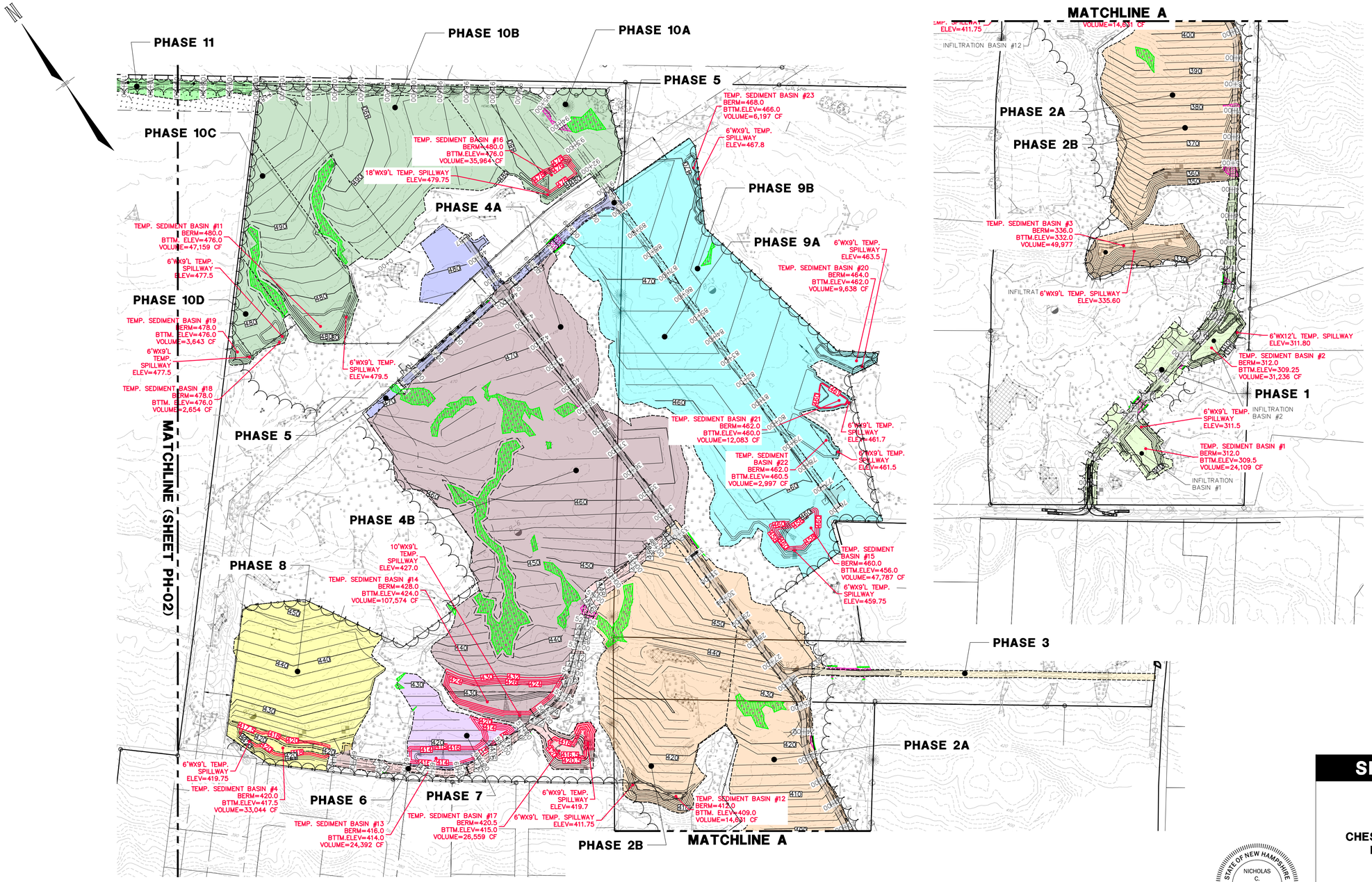
SCALE: 1"=200' **NOVEMBER 13, 2024**

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

TFM
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists
48 Constitution Drive
Bedford, NH 03110
Phone (603) 472-4488
Fax (603) 472-9747
www.tfmoran.com

FILE	DR	JB	FB	–	PH-02
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	

DIG SAFE
811 OR 1-888-DIG-SAFE
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION



HORIZONTAL SCALE 1"=200'
200 100 0 200

NOTES

1. SEE CONSTRUCTION PHASING NOTES ON SHEET PH-02.

PHASING

PHASE 1:
GRAVEL DRIVE 1 STA. 0+00 TO 14+50
INFILTRATION BASINS #1 & #2
AREA=3.2± ACRES

PHASE 2A:
GRAVEL DRIVE 1 STA. 14+50 TO 33+50
INFILTRATION BASIN #3
AREA=15.2±
PHASE 2B:
INFILTRATION BASIN #12
AREA=8.8± ACRES

PHASE 3:
DOGE CROSS ROAD ACCESS IMPROVEMENTS
AREA=0.8± ACRES

PHASE 4A:
GRAVEL DRIVE 1 STA. 33+50 TO 44+50
AREA=4.2± ACRES
PHASE 4B:
INFILTRATION BASIN #14
AREA=20.9± ACRES

PHASE 5:
GRAVEL DRIVE 1 STA. 44+50 TO 46+87
GRAVEL DRIVE 3 STA. 65+00 TO 75+75
AREA=2.1± ACRES

PHASE 6:
GRAVEL DRIVE 2 STA. 47+50 TO 64+80
INFILTRATION BASIN #17
AREA=2.4± ACRES

PHASE 7:
INFILTRATION BASIN #13
AREA=1.9± ACRES

PHASE 8:
INFILTRATION BASIN #4
AREA=6.7± ACRES

PHASE 9A:
GRAVEL DRIVE 4 STA. 76+00 TO 90+00
INFILTRATION BASIN #15
AREA=12.3± ACRES
PHASE 9B:
INFILTRATION BASINS #20, #21, #22, & #23
AREA=8.1± ACRES

PHASE 10A:
GRAVEL DRIVE 4 STA. 90+00 TO 106+00
INFILTRATION BASIN #16
AREA=5.3± ACRES
PHASE 10B:
AREA=9.0± ACRES
PHASE 10C:
INFILTRATION BASIN #11
AREA=4.0± ACRES
PHASE 10D:
INFILTRATION BASINS #18 & #19
AREA=1.2± ACRES

PHASE 11:
GRAVEL DRIVE 4 STA. 106+00 TO 128+00
AREA=2.3± ACRES

*SEE MAXIMUM ALLOWABLE OPEN AREA REGULATIONS
**SEE CONSTRUCTION SEQUENCE NOTES ON SHEET C-03.
***FINAL PHASING SEQUENCE TO BE DETERMINED IN THE FIELD BY CONTRACTOR.

LEGEND

XXX — PROPOSED TEMPORARY CONTOUR

XXX — PROPOSED PERMANENT CONTOUR

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

CONSTRUCTION PHASING PLAN

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DIG SAFE
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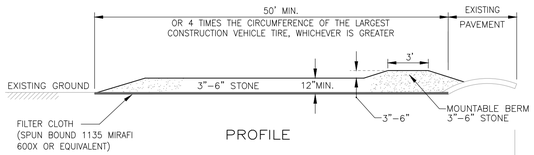
47587-00	CK	NG	CADFILE	47587-00 DESIGN_LAYOUT	PH-01

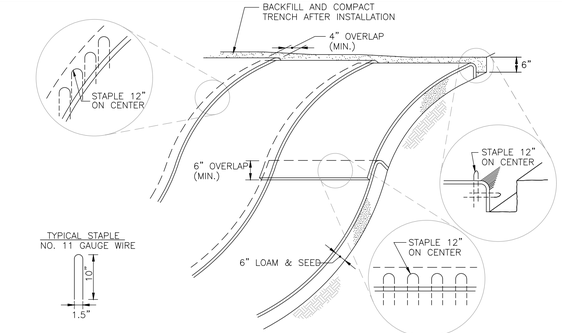


NOTES

1. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE SURFACE.
2. NO SURFACE WATER SHALL BE DIRECTED TOWARD CONSTRUCTION ENTRANCES.
3. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR 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 MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS–OF–WAY MUST BE REMOVED IMMEDIATELY.
4. 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.
5. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN STORM EVENT.

STABILIZED CONSTRUCTION ENTRANCE

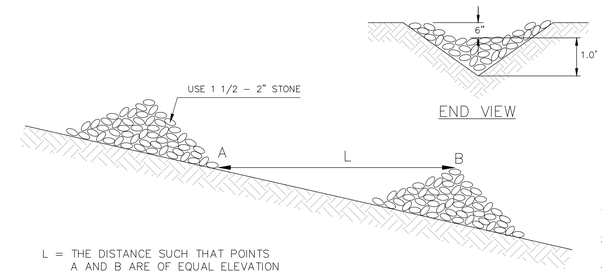
SEE PLAN FOR PROPOSED LOCATION — NOT TO SCALE



1. BLANKET SLOPE PROTECTION SHALL MEET REQUIREMENTS OF ENV–WQ 1506.15 MANUFACTURED EROSION AND SEDIMENT CONTROL PRODUCTS.
2. BEGIN AT THE TOP OF BLANKET INSTALLATION AREA BY ANCHORING BLANKET IN A 6" DEEP TRENCH. BACKFILL AND COMPACT TRENCH AFTER STAPLING.
3. ROLL THE BLANKET DOWN THE SWALE IN THE DIRECTION OF THE WATER FLOW.
4. THE EDGES OF BLANKETS MUST BE STAPLED WITH APPROX. 4 INCH OVERLAP WHERE 2 OR MORE STRIP WIDTHS ARE REQUIRED.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SWALE, PLACE BLANKET END OVER END WITH 6 INCH (MIN.) OVERLAP AND ANCHOR DOWN SLOPE BLANKET IN A 6 INCH DEEP TRENCH.
6. BLANKET SHALL BE NORTH AMERICAN GREEN C125BN, EAST COAST EROSION CONTROL ECC–2B, AMERICAN EXCELSIOR COMPANY CURLEX III FIBRENET, ROLANKA GEONATURAL EROSION & SEDIMENT CONTROL MATTE JUTEMAT OR BIOD–OCF 30, OR APPROVED EQUAL.
7. **BLANKET SHALL NOT CONTAIN WELDED PLASTIC, PLASTIC, MULTI–FILAMENT, OR MONO–FILAMENT POLYPROPYLENE NETTING OR MESH WITH AN OPENING SIZE OF GREATER THAN 1/8".**

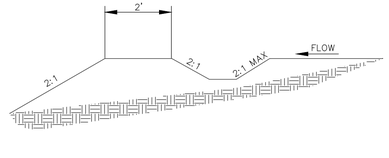
BLANKET SLOPE PROTECTION

FOR EROSION CONTROL — NOT TO SCALE



STONE CHECK DAM

AS NOTED — NOT TO SCALE

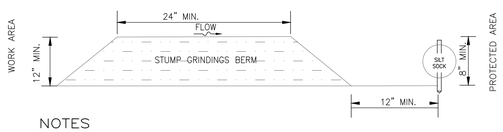


MAINTENANCE

1. MOWING SHOULD BE DONE FREQUENTLY ENOUGH TO KEEP VEGETATION IN VIGOROUS CONDITION AND TO CONTROL ENCROACHMENT OF WEEDS AND WOODY VEGETATION.
2. FERTILIZE ON AN "AS NEEDED" BASIS TO KEEP THE GRASS HEALTHY. OVER FERTILIZATION CAN RESULT IN THE BERM BECOMING A SOURCE OF POLLUTION.
3. THE BERM SHOULD BE INSPECTED PERIODICALLY AND AFTER EVERY MAJOR STORM TO DETERMINE THE CONDITION OF THE BERM.
4. RILLS AND DAMAGED AREAS SHOULD BE PROMPTLY REPAIRED AND RE–VEGETATED AS NECESSARY TO PREVENT FURTHER DETERIORATION.
5. SLOPE TO BE FULLY STABILIZED BEFORE DIRECTING STORM FLOWS TO IT.

DIVERSIONARY BERM

FOR STORMWATER RUNOFF — NOT TO SCALE

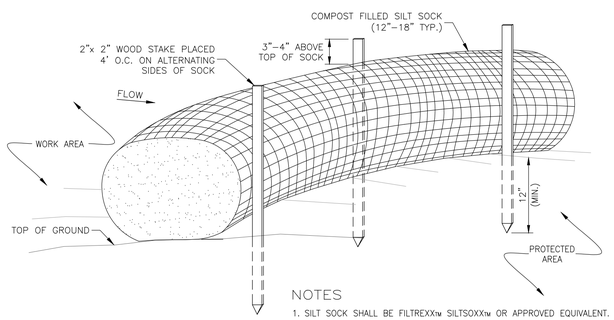


NOTES

1. THE BERM MUST BE A MINIMUM OF 12" HIGH, AS MEASURED ON THE UPHILL SIDE OF THE BARRIER, AND A MINIMUM OF TWO FEET WIDE (NHDES)
2. SILT SOCK TO BE INSTALLED PER MANUFACTURERS RECOMMENDATION AND THE STANDARD DETAIL IN THE APPROVED SITE PLANS

MULCH BERM

NOT TO SCALE



NOTES

1. SILT SOCK SHALL BE FILTREXXTM SILTSOXXTM OR APPROVED EQUIVALENT.
2. SEE SPECIFICATIONS FOR SOCK SIZE AND COMPOST FILL REQUIREMENTS.
3. SILT SOCK SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS, AND REPAIR OR REPLACEMENT SHALL BE PERFORMED AS NEEDED.
4. COMPOST MATERIAL SHALL BE DISPERSED ON SITE, AS DETERMINED BY THE ENGINEER.

SILT SOCK

NOT TO SCALE

NOTES

1. MATS TO BE INSTALLED TO PREVENT RUTTING, TO ACCESS STRUCTURES.
2. THIS DETAIL SHOWS TYPICAL DIMENSIONS. SOME CONTRACTORS MATS ARE DIMENSIONALLY DIFFERENT FROM HAT IS SHOWN HERE.
3. DEPENDENT ON SITE CONDITIONS, MULTIPLE LAYERS OF MATS MAY BE USED.

GUIDELINES

1. PLACEMENT OF MATS SHOULD BE IN A LOCATION THAT WOULD MINIMIZE THE LENGTH NEEDED FOR CROSSING (SEE BEST MANAGEMENT PRACTICES MANUAL FOR UTILITY MAINTENANCE IN AND ADJACENT TO WETLANDS AND WATER BODIES IN NH, INTERIM JANUARY 2012, SECTION 4.7.).
2. MATS MAY BE USED TO CROSS SMALL STREAMS PROVIDED THE MAT DOES NOT DISTURB THE BED OR BANKING.
3. WHERE POSSIBLE, MATS SHOULD BE PLACED SO THAT THEY ARE NOT OVER TOPPED WITH WATER AND EQUIPMENT CAN WORK IN THE DRY.
4. MATS SHALL BE REMOVED FROM WETLAND AREAS ONCE THE CROSSING OR MAINTENANCE ACTIVITY IS COMPLETED.

LIMITATIONS

1. MATS SHALL NOT BE PLACED SO THAT THEY RESTRICT THE NATURAL FLOW OF WATER.
2. MATS THAT HAVE BEEN PLACED IN AREAS IF INVASIVE SPECIES SHALL NOT BE USED AGAIN UNTIL THEY HAVE BEEN CLEANED AND INSPECTED.

INSTALLATION

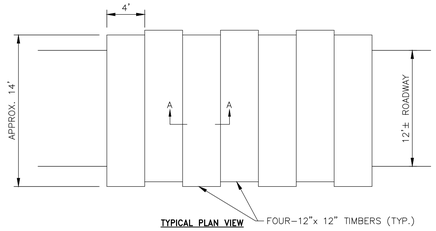
1. INSTALL AND REMOVE IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, IF APPLICABLE.
2. EVERY EFFORT SHOULD BE MADE TO MINIMIZE IMPACT TO WETLAND AREAS DURING INSTALLATION, USE AND REMOVAL.

INSPECTIONS

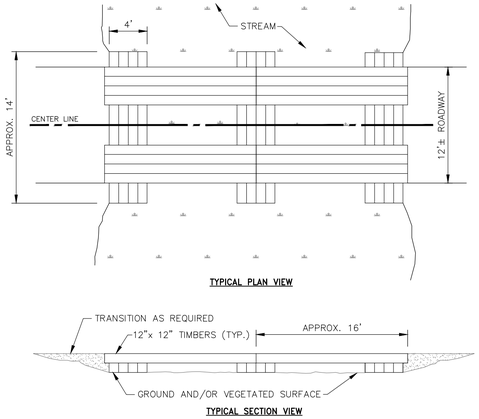
INSPECT AFTER EACH USE:

LOOK FOR ANY DEFECTS OR STRUCTURAL PROBLEMS.

INSPECT FOR ANY PLANT MATERIAL LEFT ON MATS, REMOVE IMMEDIATELY.



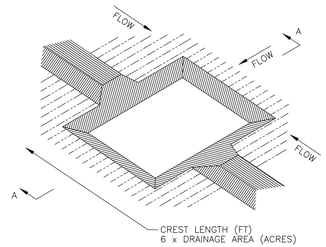
PRE–FABRICATED MAT



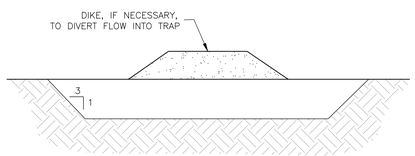
PRE–FABRICATED STREAM CROSSING WITH MATS

PRE-FABRICATED MAT

NOT TO SCALE



SEDIMENT TRAP – ISOMETRIC VIEW



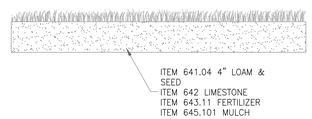
SECTION A–A

NOTES

1. SEDIMENT TRAP TO BE USED AS NECESSARY TO CONTAIN RUNOFF UNTIL BASINS/PONDS ARE STABILIZED. IF IT IS DETERMINED THAT CONSTRUCTION OF A SEDIMENT TRAP IS WARRANTED, CONSULT WITH ENGINEER TO DETERMINE APPROPRIATE NUMBER AND DIMENSIONS.

SEDIMENT TRAP

NOT TO SCALE



LOAM & SEED DETAIL

NOT TO SCALE

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

DETAILS

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

SCALE: NTS — **NOVEMBER 13, 2024**

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FILE	DR	JB	FB	–	
47587–00	CK	NG	CADFILE 47587–00 DESIGN_COVER & DETAILS		D–01

BUFFER PLANTING LANDSCAPE LEGEND

SYMBOL	QTY	BOTANICAL NAME COMMON NAME	PLANTING SIZE	REMARKS	MATURE SIZE (HEIGHT/SPREAD)	GROWTH HABIT
	46	BETULA NIGRA 'DURA HEAT' **DURA HEAT RIVER BIRCH	10' TO 12' MULTI-STEM	B&B	20'-30'/40'-60'	PYRAMIDAL
	42	AMELANCHIER CANADENSIS *SHADBLOW SERVICEBERRY	5' TO 6'	B&B	20'-30'/10'-15'	OVAL
	53	ABIES BALSAMEA *BALSAM FIR	6' TO 7'	B&B	40'-60'/20'-30'	PYRAMIDAL
	68	THUJA PLICATA 'GREEN GIANT' **GREEN GIANT WESTERN ARBORVITAE	6' MIN.	B&B	30'-40'/15'-20'	PYRAMIDAL
	60	PICEA GLUACA *WHITE SPRUCE	6' TO 7'	B&B	40'-60'/15'-20'	PYRAMIDAL
	53	CORNUS (SWIDA) RACEMOSA *GREY DOGWOOD	5 GAL.	CONTAINER	10'-15/10'-15'	ROUNDED
	70	MYRICA PENSYLVANICA *NORTHERN BAYBERRY	5 GAL.	CONTAINER	6'-8'/6'-8'	ROUNDED
	52	VIBURNUM LENTAGO *NANNYBERRY VIBURNUM	5 GAL.	CONTAINER	15'-20'/8'-10'	UPRIGHT

* NATIVE
** IMPROVED NATIVE

LANDSCAPE NOTES

(SEE DETAILS FOR ADDITIONAL NOTES)

PLANTING INTENT

THE LANDSCAPE BUFFER PLAN FOR THE PROPOSED LILAC STATE SOLAR PROJECT HAS BEEN DESIGNED TO CONFORM WITH THE TOWN OF FARMINGTON SITE PLAN REGULATIONS. THE LANDSCAPE BUFFER INCLUDES EVERGREEN AND DECIDUOUS TREES AND SHRUBS TO PROVIDE A YEAR-ROUND VISUAL SCREEN TO SCREEN THE PROPOSED PROJECT FROM THE ABUTTING HOMES.

GENERAL

1. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE RULES, REGULATIONS, LAWS, AND ORDINANCES HAVING JURISDICTION OVER THIS PROJECT SITE.
2. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND NOTIFY OWNER'S REPRESENTATIVE OF CONFLICTS.
3. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES SHOWN ON PLANS BEFORE PRICING THE WORK. ANY DIFFERENCE IN QUANTITIES SHALL BE BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT FOR CLARIFICATION. LANDSCAPE QUANTITIES SHOWN ON THE PLAN SHALL SUPERCEDE QUANTITIES LISTED IN LANDSCAPE LEGEND.
4. THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT PRIOR TO STARTING WORK AND VERIFY THAT THE PLANS IN THE CONTRACTOR'S POSSESSION ARE THE MOST CURRENT PLANS AVAILABLE AND ARE THE APPROVED PLAN SET FOR USE IN CONSTRUCTION.
5. ALL PLANT MATERIALS INSTALLED SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION (ANLA) [FORMERLY THE AMERICAN ASSOCIATION OF NURSERYMEN] IN THE AMERICAN STANDARD FOR NURSERY STOCK (AS AMENDED) [ANSI Z60.1-1996],
6. ALL PLANTS SHALL BE FIRST CLASS AND SHALL BE REPRESENTATIVE OF THEIR NORMAL SPECIES AND/OR VARIETIES. ALL PLANTS MUST HAVE GOOD, HEALTHY, WELL-FORMED UPPER GROWTH AND A LARGE, FIBEROUS, COMPACT ROOT SYSTEM.
7. ALL PLANTS SHALL BE FREE FROM DISEASE AND INSECT PESTS AND SHALL COMPLY WITH ALL APPLICABLE STATE AND FEDERAL LAWS PERTAINING TO PLANT DISEASES AND INFESTATIONS.
8. ALL TREES SHALL BE BALLED AND BURLAPPED (B & B) UNLESS OTHERWISE NOTED OR APPROVED BY LANDSCAPE ARCHITECT.
9. IF APPLICABLE, THE CONTRACTOR SHALL HAVE ALL FALL TRANSPLANTING HAZARD PLANTS DUG IN THE SPRING AND STORED FOR FALL PLANTING.
10. ALL INVASIVE PLANT SPECIES FROM THE "NEW HAMPSHIRE PROHIBITED INVASIVE PLANT SPECIES LIST", TO BE REMOVED SHALL BE DONE SO IN ACCORDANCE WITH THE "INVASIVE SPECIES ACT, HB 1258-FN."

GUARANTEE

1. THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL LANDSCAPE WORK FOR A PERIOD OF ONE YEAR, BEGINNING AT THE START OF THE MAINTENANCE PERIOD.

SITE AND SOIL PREPARATION

1. WHEN CONDITIONS DETRIMENTAL TO PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR LEDGE, NOTIFY LANDSCAPE ARCHITECT/ENGINEER BEFORE PLANTING.
2. ALL DISTURBED AREAS & PLANTING AREAS, INCLUDING AREAS TO BE SODDED, SHALL RECEIVE THE FOLLOWING SOIL PREPARATION PRIOR TO PLANTING: A MINIMUM OF 6 INCHES OF LIGHTLY COMPACTED TOPSOIL SHALL BE INSTALLED OVER THE SUBSOIL IF TOPSOIL HAS BEEN REMOVED OR IS NOT PRESENT.
3. LOAM SHALL CONSIST OF LOOSE FRIABLE TOPSOIL WITH NO ADMIXTURE OF REFUSE OR MATERIAL TOXIC TO PLANT GROWTH. LOAM SHALL BE FREE FROM STONES, LUMPS, STUMPS, OR SIMILAR OBJECTS LARGER THAN TWO INCHES (2") IN GREATEST DIAMETER, SUBSOIL, ROOTS, AND WEEDS. THE MINIMUM AND MAXIMUM PH VALUE SHALL BE FROM 5.5 TO 7.0. LOAM SHALL CONTAIN A MINIMUM OF TWO PERCENT (2%) AND A MAXIMUM OF FIVE PERCENT (5%) ORGANIC MATTER AS DETERMINED BY LOSS BY IGNITION. SOIL TEXTURE SHALL BE SANDY CLAY LOAM OR SANDY LOAM WITH CLAY CONTENT BETWEEN 15 AND 25%, AND A COMBINED CLAY/SILT CONTENT OF NO MORE THAN 55%. NOT MORE THAN SIXTY-FIVE PERCENT (65%) SHALL PASS A NO. 200 SIEVE AS DETERMINED BY THE WASH TEST IN ACCORDANCE WITH ASTM D1140. IN NO INSTANCE SHALL MORE THAN 20% OF THAT MATERIAL PASSING THE #4 SIEVE CONSIST OF CLAY SIZE PARTICLES.
4. NATURAL TOPSOIL NOT CONFORMING TO THE PARAGRAPH ABOVE OR CONTAINING EXCESSIVE AMOUNTS OF CLAY OR SAND SHALL BE TREATED BY THE CONTRACTOR TO MEET THOSE REQUIREMENTS.
5. SUBMIT TEST RESULTS OBTAINED FROM SOURCE TO ENGINEER/LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL, PRIOR TO SPREADING OPERATIONS.
6. APPROVAL BY THE ENGINEER/LANDSCAPE ARCHITECT TO USE THE TOPSOIL WILL DEPEND UPON THE RESULTS OF THE SOIL TESTS.
7. THE BURDEN OF PROOF OF SOIL AMENDMENT INSTALLATION RESTS WITH THE CONTRACTOR. SOIL TESTS MAY BE REQUIRED AT THE CONTRACTOR'S EXPENSE IN ORDER TO CONFIRM AMENDMENT INSTALLATION.

SEEDING

1. ROUGH GRADING SHALL BE COMPLETED PRIOR TO THE START OF PLANTING IN ANY GIVEN AREA OF THE PROJECT SITE.
2. SEEDING SHALL BE DONE BETWEEN APRIL 1 TO JUNE 15 OR AUGUST 15 TO OCTOBER 15, EXCEPT FOR RESEEDING OF BARE SPOTS AND MAINTENANCE. ALL DISTURBED AREAS NOT COVERED BY BUILDINGS, PAVING OR AREAS THAT HAVE NOT BEEN OTHERWISE DEVELOPED SHALL BE SEEDED OR SODDED. SLOPES GREATER THAN 3:1 SHALL BE PROTECTED WITH AN EROSION CONTROL BLANKET. AFTER OCTOBER 15 DISTURBED SOILS SHALL BE PROTECTED IN ACCORDANCE WITH THE WINTER CONSTRUCTION NOTES.

ACCEPTABLE SEED MIXES ARE AS FOLLOWS:

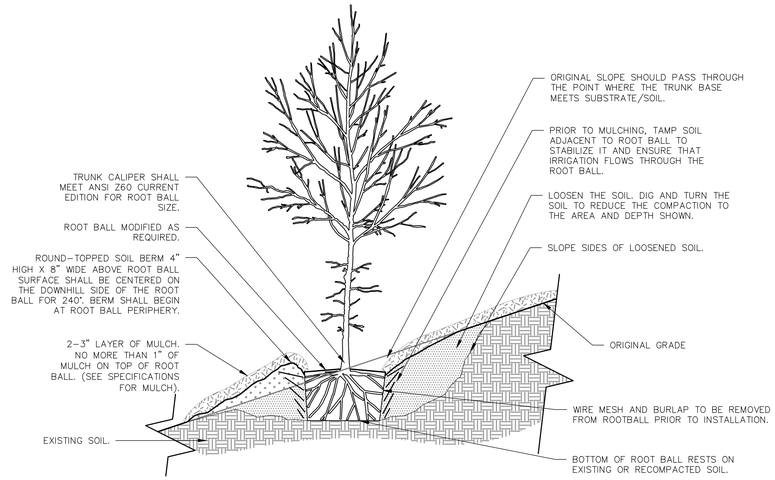
SOLAR FIELD SEED MIX & SLOPES: (NEW ENGLAND CONSERVATION/WILDLIFE MIX BY: NEW ENGLAND WETLAND PLANTS, INC. APPLICATION RATE: 25LBS/ACRE, 1750 SQ FT/LB.
SPECIES: VIRGINIA WILD RYE (ELYMUS VIRGINICUS), LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM), BIG BLUESTEM (ANDROPOGON GERARDII), RED FESCUE (FESTUCA RUBRA), SWITCH GRASS (PANICUM VIRGATUM), PARTRIDGE PEA (CHAMAECRISTA FASCICULATA), PANICLEDLEAF TICK TREFOIL (DESMODIUM PANICULATUM), INDIAN GRASS (SORGHASTRUM NUTANS), BLUE VERVAIN (VERBENA HASTATA), BUTTERFLY MILKWEED (ASCLEPIAS TUBEROSA), BLACK EYED SUSAN (RUDBECKIA HIRTA), COMMON SNEEZEWEED (HELENIUM AUTUNALE), HEATH ASTER (ASTERPILOSUS/SYMPHYOTRICHUM PILOSUM), EARLY GOLDENROD (SOLIDAGO JUNCEA), UPLAND BENTGRASS (AGROSTIS PERENNANS).
CONTACT: 413-548-8000 / INFO@NEWP.COM

BIORETENTION BASING BOTTOM SEED MIX: (MIN. 35 LBS/ACRE)
NEW ENGLAND WETLAND PLANTS, INC. NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES.

TEMPORARY LAWN SEED MIX: (MIN. 47 LBS/ACRE)
100% ANNUAL RYE

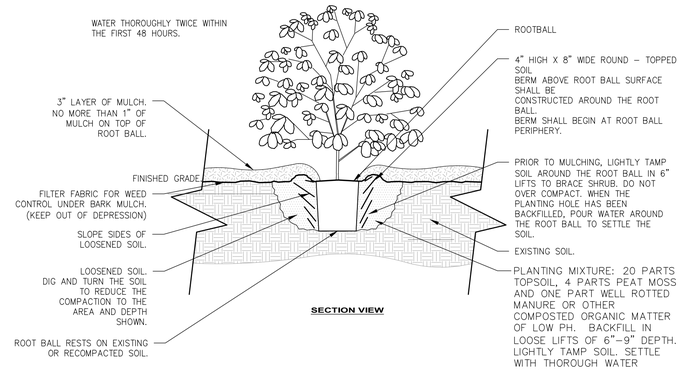
PLANTING

1. EXCAVATE PITS, PLANTERS, BEDS AND TRENCHES WITH VERTICAL SIDES AND WITH BOTTOM OF EXCAVATION SLIGHTLY RAISED AT CENTER TO PROVIDE PROPER DRAINAGE. LOOSEN HARD SUBSOIL IN BOTTOM OF EXCAVATION.
2. ANY LEDGE OR RUBBLE MATERIAL SHALL BE FRACTURED TO A DEPTH OF 3 FEET AND EXCAVATED TO A DEPTH OF 30 INCHES FOR TREE POCKETS AND 18 INCHES FOR SHRUB BEDS. THIS PROCEDURE SHALL BE HANDLED BY THE SITE CONTRACTOR. SITE TOPSOIL SHALL BE DEPOSITED IN ALL EXCAVATED POCKETS.
3. DISPOSE OF SUBSOIL REMOVED FROM PLANTING EXCAVATIONS. DO NOT MIX WITH PLANTING SOIL OR USE AS BACKFILL.
4. FILL EXCAVATIONS FOR TREES AND SHRUBS WITH WATER AND ALLOW TO PERCOLATE OUT BEFORE PLANTING.
5. DISH TOP OF BACKFILL TO ALLOW FOR MULCH – PLANT SAUCERS SHALL BE AS SHOWN ON DETAIL SHEETS; 6' DIAMETER FOR ALL DECIDUOUS TREES, AND FOR EVERGREEN TREES A RADIUS 2' BEYOND THE OUTER MOST BRANCHES.
6. MULCH TREES, SHRUBS, PLANTERS AND BEDS. PROVIDE NOT LESS THAN 3" THICKNESS OF BARK MULCH, 3/8"-2" OF WIDTH, AND WORK INTO TOP OF BACKFILL. FINISH LEVEL WITH ADJACENT FINISH GRADES AS DIRECTED IN THE FIELD.
7. ALL PLANT MATERIALS SHALL HAVE DEAD OR DAMAGED BRANCHES REMOVED AT TIME OF PLANTING. ALL TAGS AND RIBBONS SHALL BE REMOVED AT THIS TIME.



TREE ON SLOPE 5% (20:1) TO 50% (2:1) UNMODIFIED SOIL

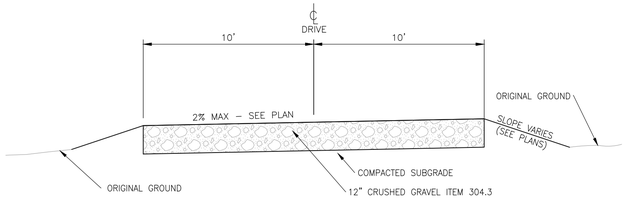
NOT TO SCALE



SECTION VIEW

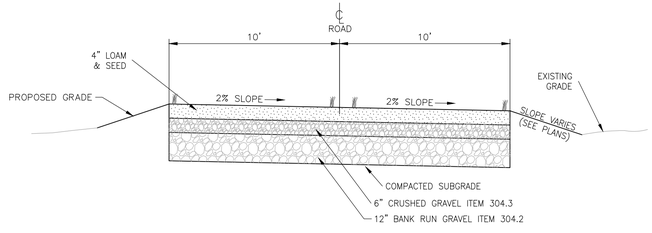
SHRUB PLANTING

NOT TO SCALE



20' WIDE GRAVEL ACCESS DRIVE

NOT TO SCALE



20' WIDE MAINTENANCE DRIVE

NOT TO SCALE

DRIVE NOTES:

1. AN 18" SECTION OF NHDOT ITEM 304.4 MAY BE USED IN LIEU OF THE 6" ITEM 304.3 AND ITEM 304.2 CROSS SECTION DEFINED ABOVE IN ACCORDANCE WITH THE PROJECT GEOTECH REPORT PREPARED BY TERRACON.
2. A WOVEN GEOTEXTILE, EQUIVALENT TO MIRAFI HP270 SHALL BE USED AT ALL WETLAND CROSSINGS 50' EITHER SIDE OF THE CROSSING IN ACCORDANCE WITH THE PROJECT GEOTECH REPORT PREPARED BY TERRACON.
3. SUBGRADE PREPARATION SHALL BE IN ACCORDANCE WITH THE PROJECT GEOTECH REPORT PREPARED BY TERRACON.

DIG SAFE
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
2/24/25

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

DETAILS

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

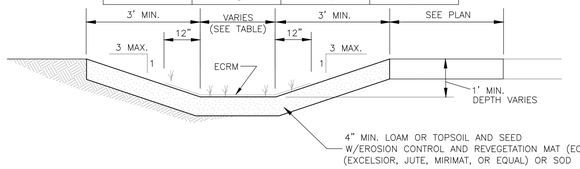
OWNED BY
VARIOUS PARTIES
PREPARED FOR
WALDEN RENEWABLES

SCALE: NTS **NOVEMBER 13, 2024**

TFM
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists
48 Constitution Drive
Bedford, NH 03110
Phone (603) 472-4488
Fax (603) 472-9747
www.tfmoran.com

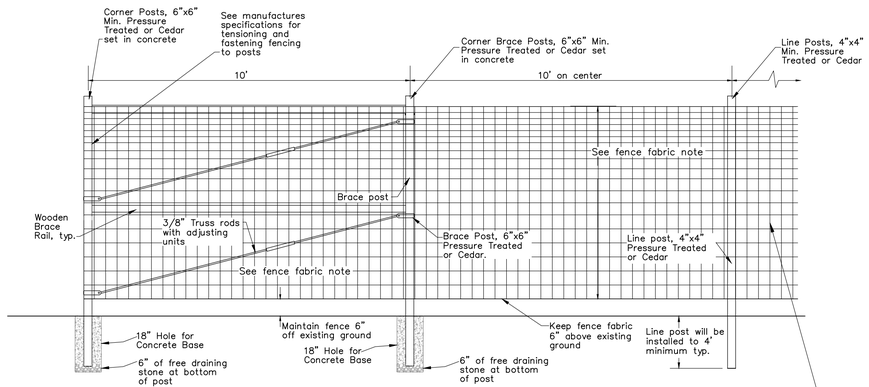
FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE: 47587-00 DESIGN_COVER & DETAILS		D-02

SWALE #	BOTTOM WIDTH	MIN. DEPTH	SLOPE
1	V-NOTCH	1'	3%
2	1'	1'	1%
3	1'	1'	1.7%
4	3'	1'	0.8%



GRASS LINED SWALE

FOR USE WHERE VELOCITIES ARE 3 FPS OR LESS — NOT TO SCALE



Note:
- Agricultural style fence requires strong corner brace post assemblies, posts for corner assemblies and at gates shall be set in concrete as shown on this detail, see Bekaert for additional specifications
- Additional bracing may be required on longer fence runs. Contractor to add additional bracing when contractor observes corner post deflection during fence tensioning/fastening.
- All posts to be pressure treated or cedar.
- Fabric to be fastened with manufacturer approved corrosion resistant staples
- Fabric to be a dark color, black or gray

Typical Agricultural Fence

N.T.S.

AGRICULTURAL STYLE FENCE FABRIC NOTE:

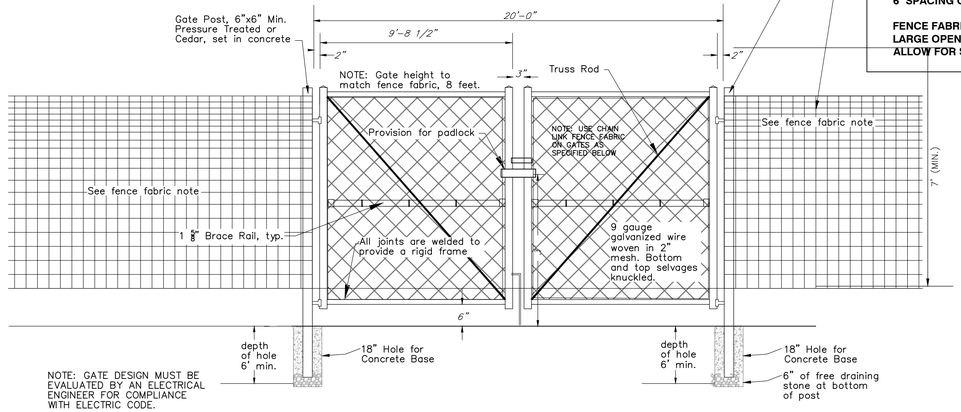
ALL FENCE FABRIC, OTHER THAN GATES, SHALL BE BEKAERT SOLIDLOCK PRO HIGH TENSILE FIXED KNOT GAME FENCE OR OWNER APPROVED EQUAL.

FENCE FABRIC SHALL BE

96" HIGH (BEKAERT PART# 118376, STYLE 2096-6, 12.5 GUAGE, BENZIL COATING)

6" SPACING OF VERTICAL WIRES

FENCE FABRIC SHALL BE MOUNTED WITH LARGE OPENINGS AT THE BOTTOM TO ALLOW FOR SMALL ANIMAL PASSAGE.



NOTE: GATE DESIGN MUST BE EVALUATED BY AN ELECTRICAL ENGINEER FOR COMPLIANCE WITH ELECTRIC CODE.

Contractor to supply shop drawing of swing gate. Movable portion of gate will be evaluated for durability, reliability, ease of operation by Owner.

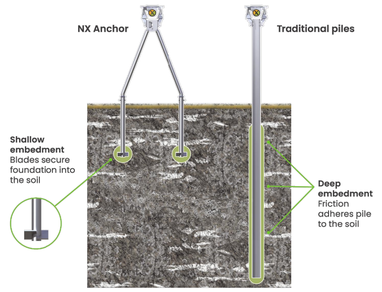
Permanent Swing Gate

N.T.S.

Provide Knox Box for emergency access, coordinate location and type with fire department.

DIG SAFE — CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

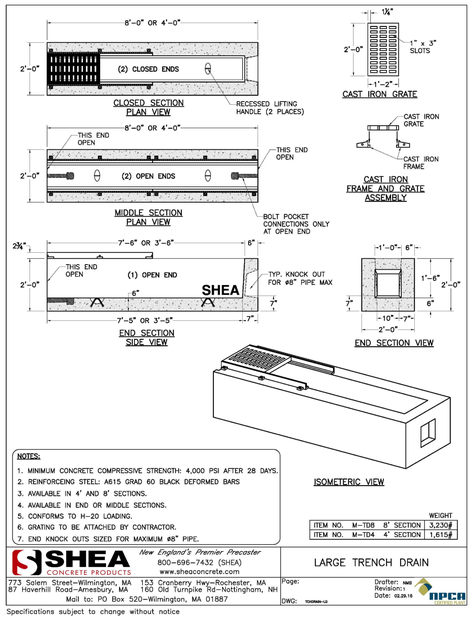
NX Anchor™ Foundation System



In this figure, NX Anchor is compared with traditional driven pile foundations. Savings are soils specific.

FOUNDATION SYSTEM DETAIL

NOT TO SCALE



NOTES:
1. MINIMUM CONCRETE COMPRESSIVE STRENGTH: 4,000 PSI AFTER 28 DAYS.
2. REINFORCEING STEEL: A615 GRAD 60 BLACK DEFORMED BARS
3. AVAILABLE IN 4' AND 8' SECTIONS.
4. AVAILABLE IN END OR MIDDLE SECTIONS.
5. CONFORMS TO H-20 LOADING.
6. GRATING TO BE ATTACHED BY CONTRACTOR.
7. END KNOCK OUTS SIZED FOR MAXIMUM #8" PIPE.

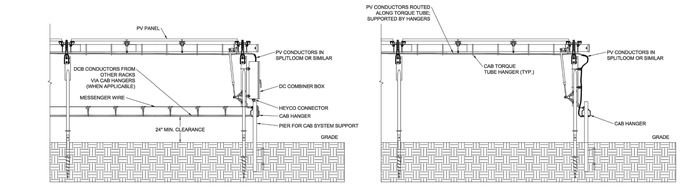
	WEIGHT
ITEM NO. M-TD8 8' SECTION	3,230#
ITEM NO. M-TD4 4' SECTION	1,615#

SHEA CONCRETE PRODUCTS — *New England's Premier Precaster*
800-696-7432 (SHEA)
www.sheaconcrete.com
773 Salem Street—Wilmington, MA 153 Cranberry Hwy—Rochester, MA
87 Haverhill Road—Amesbury, MA 160 Old Turnpike Rd—Nottingham, NH
Mail to: PO Box 520—Wilmington, MA 01887

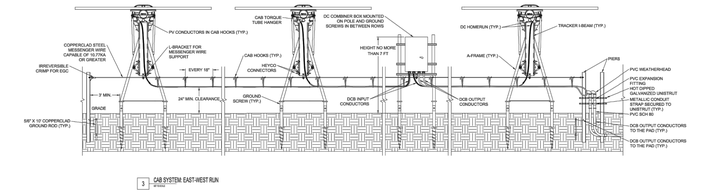
LARGE TRENCH DRAIN

Page: — Drafter: NMB
Revision: 1
Date: 02.28.18
DWG: TDSERIES-LD

Specifications subject to change without notice



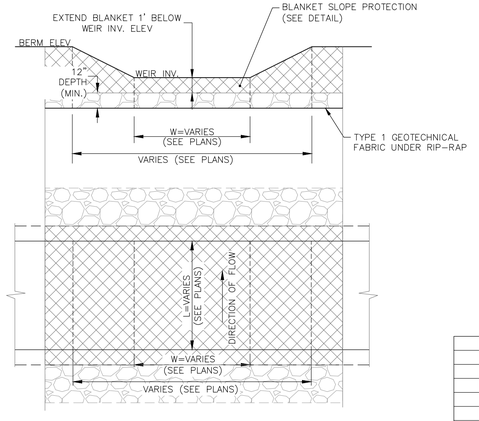
1 CAB SYSTEM: NORTH-SOUTH IN COMBINER BOX — 2 CAB SYSTEM: EAST-WEST RUN



3 CAB SYSTEM: EAST-WEST RUN

SOLAR ARRAY RACKING DETAIL

NOT TO SCALE



BROAD CRESTED WEIR

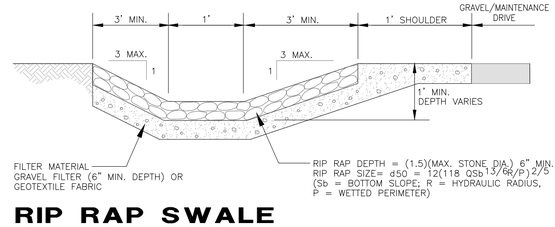
FROM FOREBAYS — NOT TO SCALE

RIP-RAP GRADATION

STONE SIZE	% FINER BY WEIGHT				
	D 50 = 6"	D50 = 9"	D 50 = 12"	D50 = 18"	D 50 = 24"
2"	0-15%	0%	–	–	–
4"	20-35%	10-20%	0-10%	–	–
6"	35-50%	25-35%	10-25%	0-10%	–
8"	50-65%	30-50%	20-30%	10-20%	0-10%
10"	60-80%	40-60%	30-40%	15-30%	5-15%
12"	75-100%	–	–	–	–
15"	–	70-100%	45-60%	25-40%	20-30%
20"	–	–	70-100%	40-60%	30-45%
30"	–	–	–	70-100%	50-70%
40	–	–	–	–	70-100%

GRAVEL FILTER GRADATION

SIEVE SIZE	% PASSING BY WEIGHT
3½"	100
3"	85-100
1½"	60-90
¾"	40-70
⅜"	20-50
NO. 4	10-40
NO. 200	0-8



RIP RAP SWALE

FOR USE WHERE VELOCITIES EXCEED 3 FPS — NOT TO SCALE

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

DETAILS

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

SCALE: NTS — **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE — NICHOLAS C. GOLON No. 14086 — LICENSED PROFESSIONAL ENGINEER — 2/24/25

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
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TFM — Civil Engineers, Structural Engineers, Traffic Engineers, Land Surveyors, Landscape Architects, Scientists
48 Constitution Drive, Bedford, NH 03110
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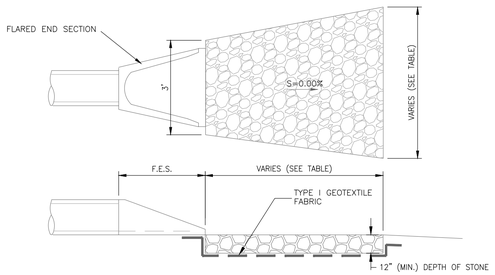
Fax (603) 472-9747
www.tfmoran.com

FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE: 47587-00 DESIGN_COVER & DETAILS		D-03



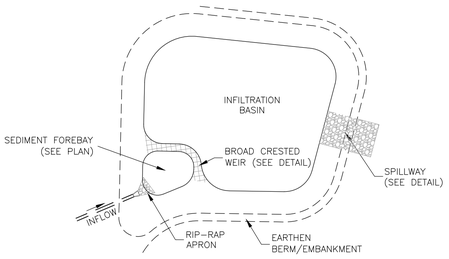
CONSTRUCTION SPECIFICATIONS:

1. THE SUBGRADE FOR THE GEOTEXTILE FABRIC AND RIP-RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS.
2. THE ROCK USED FOR RIP-RAP SHALL CONFORM TO NHDOT CLASS C STONE. D50 = 6"
3. GEOTEXTILE FABRICS SHALL BE PROTECTED FROM PUNCTURE OR TEARING DURING THE PLACEMENT OF THE ROCK RIP-RAP. DAMAGED AREAS IN THE FABRIC SHALL BE REPAIRED BY PLACING A PIECE OF FABRIC OVER THE DAMAGED AREA OR BY COMPLETE REPLACEMENT OF THE FABRIC. ALL OVERLAPS REQUIRED FOR REPAIRS OR JOINING TWO PIECES OF FABRIC SHALL BE A MINIMUM OF 12 INCHES.
4. STONE FOR THE RIP-RAP MAY BE PLACED BY EQUIPMENT AND SHALL BE CONSTRUCTED TO THE FULL LAYER THICKNESS IN ONE OPERATION AND IN SUCH A MANNER AS TO PREVENT SEGREGATION OF THE STONE SIZES.

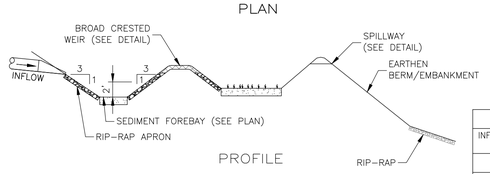
OUTLET	La (ft.)	Wup (ft.)	Wdn (ft.)	d50 (in.)*
FES (INTO BASIN #3)	30.9	3.0	33.9	6.0
FES (INTO BASIN #4)	23.8	3.0	12.5	6.0
FES (INTO BASIN #5)	10.8	3.0	13.8	6.0
FES (INTO BASIN #8)	12.1	3.0	7.8	6.0
FES (INTO BASIN #9)	11.5	3.0	14.5	6.0
FES (INTO BASIN #10)	16.2	3.0	19.2	6.0
FES (INTO BASIN #13)	21.7	3.0	11.7	6.0
FES (INTO BASIN #14)	56.5	3.0	25.6	6.0
FES (INTO BASIN #15)	37.6	3.0	18.0	6.0
FES (INTO BASIN #16)	24.4	3.0	12.8	6.0

OUTLET APRON

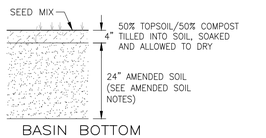
AT FES (SEE PLANS FOR LOCATIONS) NOT TO SCALE



PLAN



PROFILE



BASIN BOTTOM

1. THE INSTALLER SHALL NOT ALLOW ANY VEHICULAR OR CONSTRUCTION EQUIPMENT TRAVEL TO OCCUR ACROSS THE PROPOSED BASIN AREA AT ANY TIME EXCEPT DURING EXCAVATION OF TOPSOIL, SUBSOIL AND OTHER MATERIALS NOT SUITABLE FOR BED BOTTOM CONDITIONS.
2. CAUTION SHOULD BE EXERCISED DURING SITE PREPARATION TO AVOID COMPACTION OF THE INFILTRATIVE SURFACE.
3. SEED MIX
   NEW ENGLAND ROADSIDE MATRIX WET MEADOW SEED MIX (MIN. 35 LBS/ACRE)
4. AMENDED SOILS INFILTRATION TO BE TESTED PRIOR TO PLACEMENT, SEE NOTE BELOW.
5. DO NOT DISCHARGE SEDIMENT-LADEN WATERS FROM CONSTRUCTION ACTIVITIES (RUNOFF, WATER FROM EXCAVATIONS) TO THE BASIN.
6. AMENDED SOILS SHALL BE INSTALLED ALONG INTERIOR SIDE SLOPES TO ELEVATION EQUAL TO OUTLET STRUCTURE RIM OR WEIR ELEVATION, WHICHEVER IS LOWER.
7. AFTER THE BASIN IS EXCAVATED TO THE FINAL DESIGN ELEVATION, THE FLOOR SHOULD BE DEEPLY TILLED WITH A ROTARY TILLER OR DISC HARROW TO RESTORE INFILTRATION RATES, FOLLOWED BY A PASS WITH A LEVELING DRAG.
8. VEGETATION SHOULD BE ESTABLISHED IMMEDIATELY.
9. DO NOT PLACE INFILTRATION SYSTEMS INTO SERVICE UNTIL THE CONTRIBUTING AREAS HAVE BEEN FULLY STABILIZED.

INFILTRATION RATE TABLE					
INFILTRATION BASIN	DESIGN RATE	MAX. ALLOWABLE FIELD VERIFIED RATE	INFILTRATION BASIN	DESIGN RATE	MAX. ALLOWABLE FIELD VERIFIED RATE
#1	5.0 IN/HR	10.0 IN/HR	#7	5.0 IN/HR	10.0 IN/HR
#2	5.0 IN/HR	10.0 IN/HR	#8	5.0 IN/HR	10.0 IN/HR
#5	5.0 IN/HR	10.0 IN/HR	#9	5.0 IN/HR	10.0 IN/HR
#6	5.0 IN/HR	10.0 IN/HR	#10	5.0 IN/HR	10.0 IN/HR

AMENDED SOILS NOTE

1. CERTIFIED SOIL SCIENTIST, ENGINEER OR PROFESSIONAL GEOLOGIST TO CONFIRM INFILTRATION RATE OF AMENDED SOIL IN ACCORDANCE WITH ENV-WQ. 1504.14(e). RESULTS TO BE SUBMITTED TO NHDES WITHIN 7 DAYS OF TESTING.
2. AMENDED SOILS SHALL HAVE A FIELD VERIFIED INFILTRATION RATE OF TWICE THE DESIGN INFILTRATION RATE IN ACCORDANCE WITH ENV-WQ 1508.06(b). SEE INFILTRATION RATE TABLE.

INFILTRATION BASIN

NOT TO SCALE

CONSTRUCTION SPECIFICATIONS

PREPARE BEDDING:

BACKFILL MATERIAL AROUND THE END SECTION MAY BE THE SAME AS THE MATERIAL AROUND THE PIPE, PLACE A FEW INCHES OF BACKFILL MATERIAL IN THE TRENCH OR DITCH WHERE THE END SECTION WILL BE PLACED. COMPACT AND CONTOUR THIS BEDDING MATERIAL TO GENERALLY MATCH THE END SECTION, EXCAVATE AN AREA IN THE BEDDING WHERE TOE TROUGH WILL SEAT SO THAT THE END SECTION WILL BE LEVEL WITH THE BOTTOM OF THE TRENCH OR DITCH IN THE FINISHED INSTALLATION.

PLACE END SECTION OF PIPE:

OPEN THE END SECTION COLLAR AND SEAT IT OVER THE TWO PIPE CONNECTIONS. ONCE THE END SECTION IS POSITIONED, CHECK TO MAKE SURE THAT THE INVERT OF THE END SECTION MATCHES THE INVERT OF THE PIPE AND THAT THE END SECTION IS LEVEL WITH THE TRENCH OR DITCH BOTTOM.

SECURE THE END SECTION:

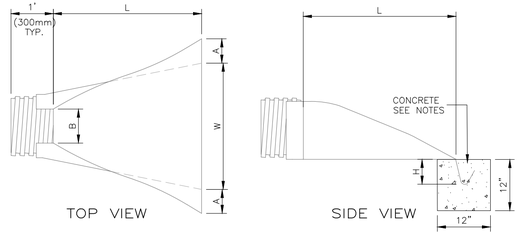
SLIP THE STAINLESS STEEL ROD THROUGH THE PRE-DRILLED HOLES AT THE TOP OF THE COLLAR. THE ROD SHOULD BE BETWEEN THE CROWNS OF THE TWO PIPE CONNECTIONS. PLACE A WASHER ON EITHER END OF THE ROD. PLACE A NUT ON EITHER END OF THE ROD AND TIGHTEN WITH A WRENCH.

SECURE THE TOE TROUGH:

TO PREVENT WASHOUTS FROM HIGH VELOCITY FLOW, IT IS RECOMMENDED THAT THE TROUGH BE SECURED WITH CONCRETE. POUR CONCRETE IN THE TROUGH UP TO THE LEVEL OF THE TRENCH OR DITCH BOTTOM AND ALONG THE ENTIRE LENGTH OF THE TROUGH.

FINISH BACKFILL:

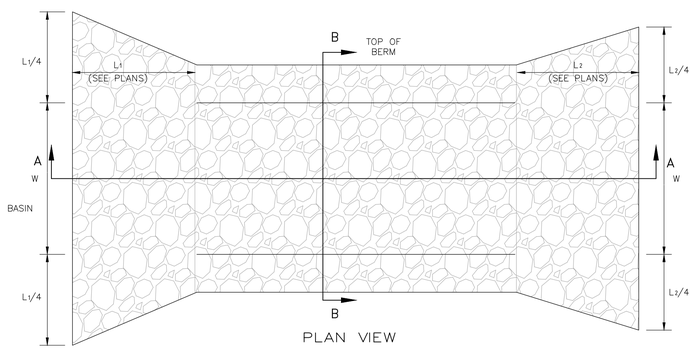
SHOVEL BACKFILL AROUND THE END SECTION IN 6 TO 9 INCH LAYERS EQUALLY ON BOTH SIDES, KNIFING IT TO ELIMINATE VOIDS. TAMP WITH A SMALL-FACED COMPACTOR OR OTHER EQUIPMENT SUITABLE FOR SMALL AREAS. CONTINUE PLACING, KNIFING, AND COMPACTING BACKFILL LAYERS TO THE TOP OF THE END SECTION TO SEAT IT WELL INTO THE BACKFILL.



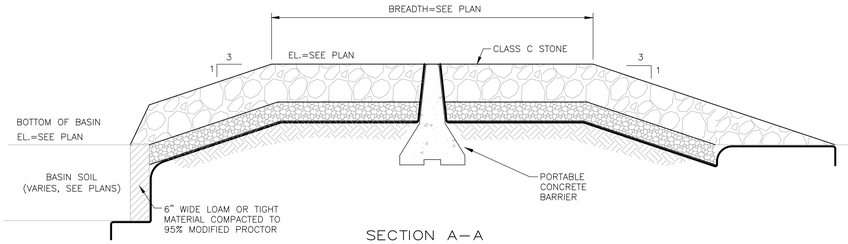
	DIMENSIONS, INCHES (mm)					
PIPE DIAMETER	PART NO.	A, ±1 (25)	B MAX	H, ±1 (25)	L, ±1/2 (13)	W, ±2 (50)
12", 15" (300,375)	1210 NP	6.5 (165)	10 (254)	6.5 (165)	25 (635)	29 (736)
18" (450)	1810 NP	7.5 (190)	15 (380)	6.5 (168)	32 (812)	35 (890)
24" (600)	2410 NP	7.5 (190)	18 (450)	6.5 (165)	36 (900)	45 (1140)
30" (750)	3010 NP	10.5 (266)	NA	7.0 (178)	53 (1346)	68 (1725)
36" (900)	3610 NP	10.5 (266)	NA	7.0 (178)	53 (1346)	68 (1725)

FLARED END SECTION

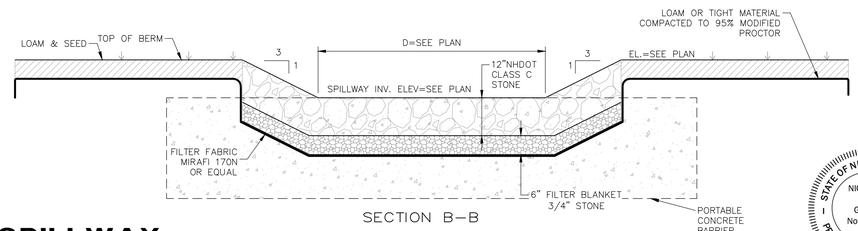
HIGH DENSITY POLYETHYLENE (HDPE) NOT TO SCALE



PLAN VIEW



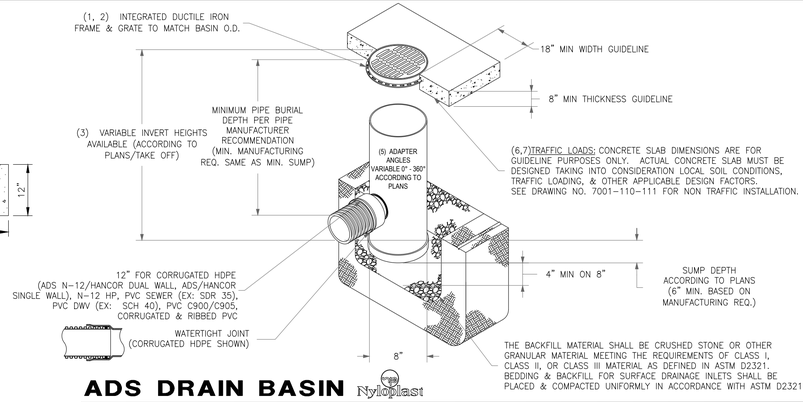
SECTION A-A



SECTION B-B

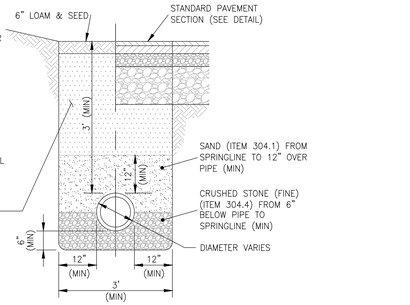
SPILLWAY

FROM BASINS NOT TO SCALE



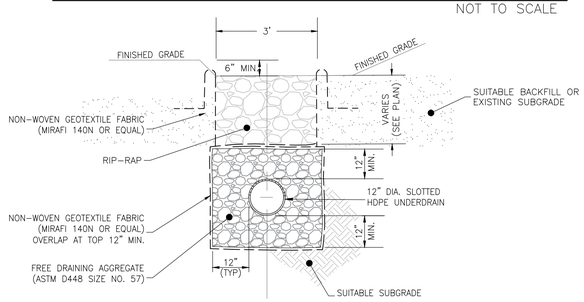
ADS DRAIN BASIN

IN-LINE DRAIN NOT TO SCALE



STORM DRAIN TRENCH

NOT TO SCALE



STONE INFILTRATION TRENCH

NOT TO SCALE

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

DETAILS

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

SCALE: NTS **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE — NICHOLAS C. GOLON No. 14086 — LICENSED PROFESSIONAL ENGINEER — 2/24/25

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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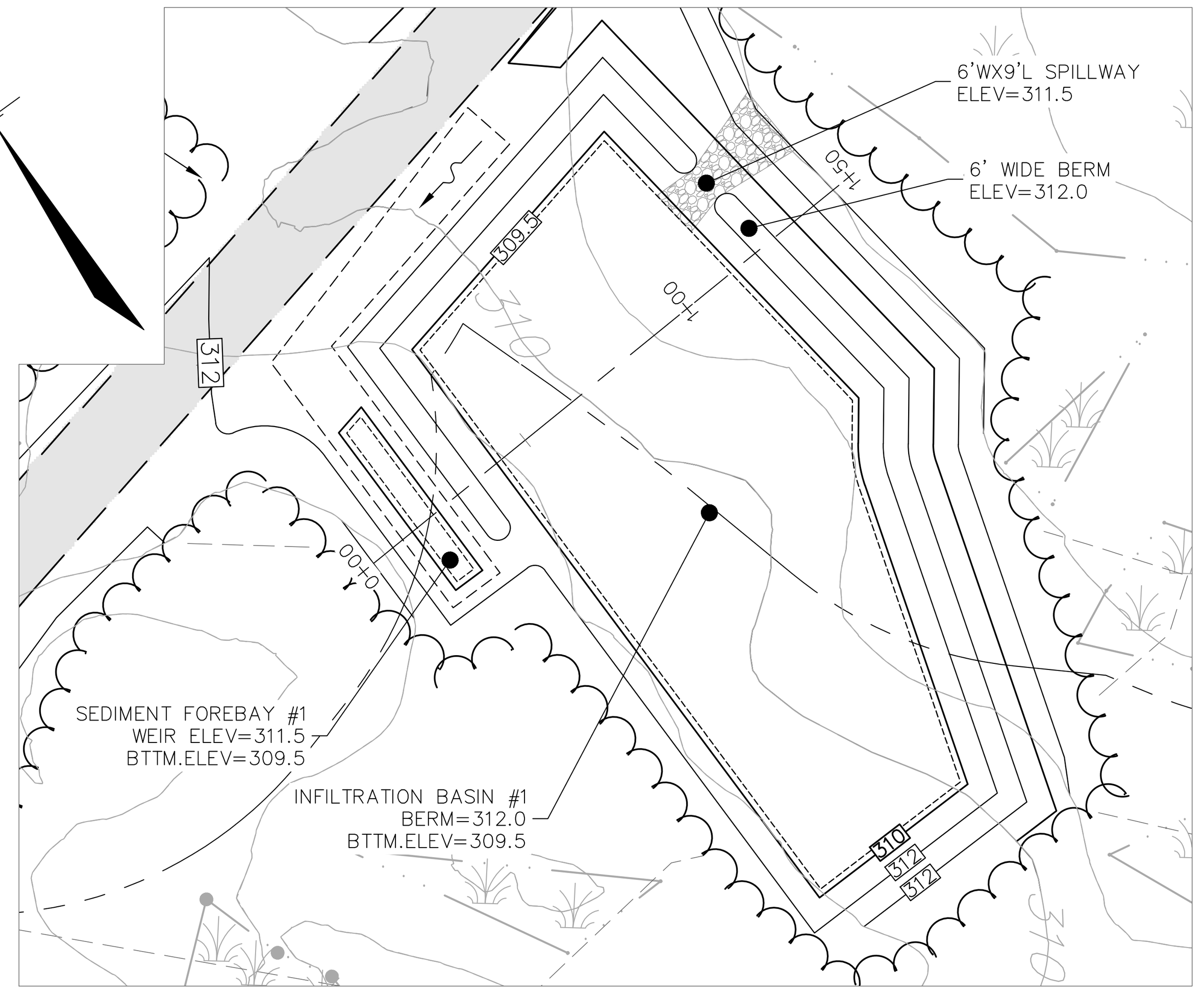
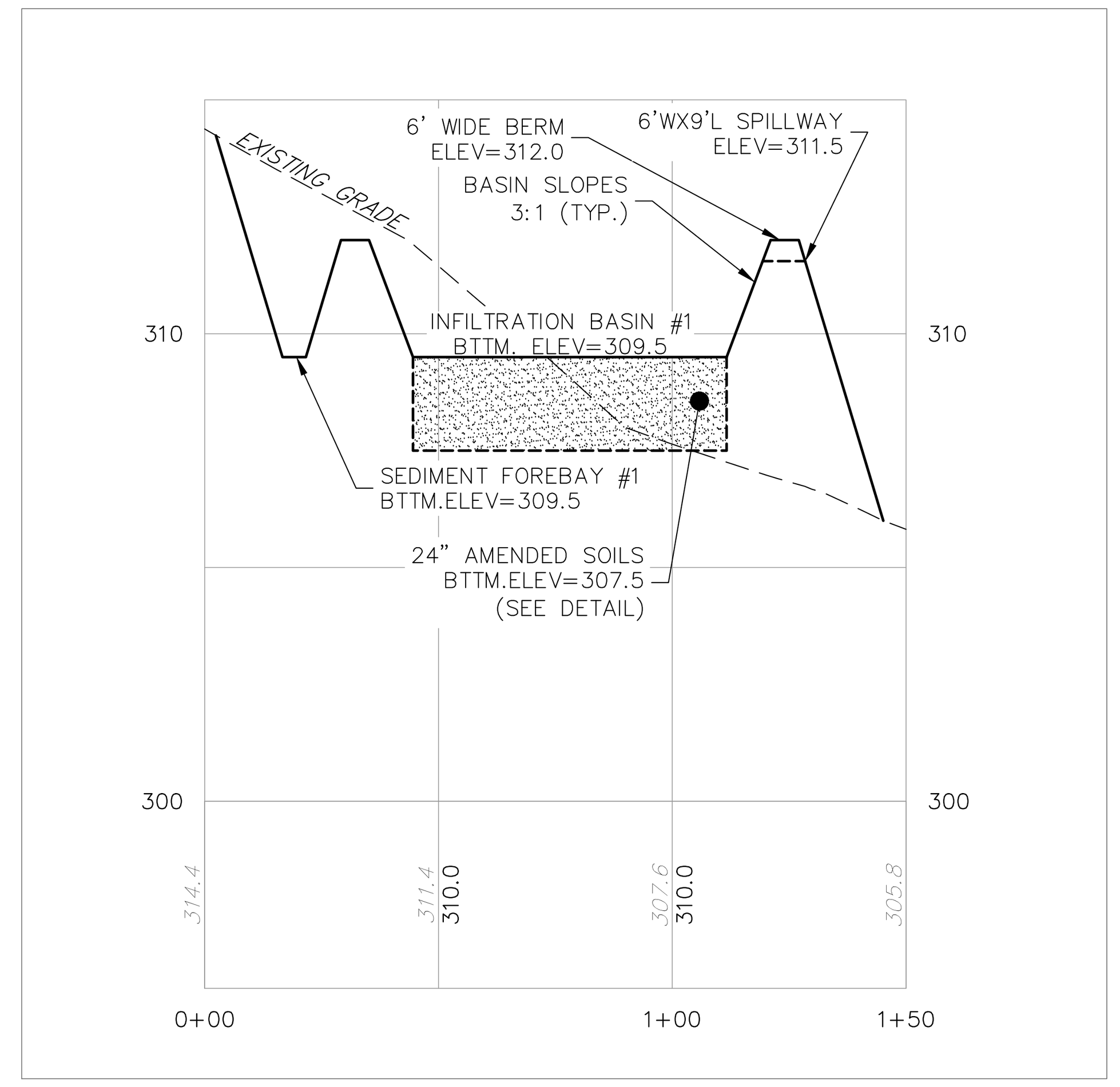
47587-00	CK	NG	CADFILE	47587-00 DESIGN_COVER & DETAILS	D-04



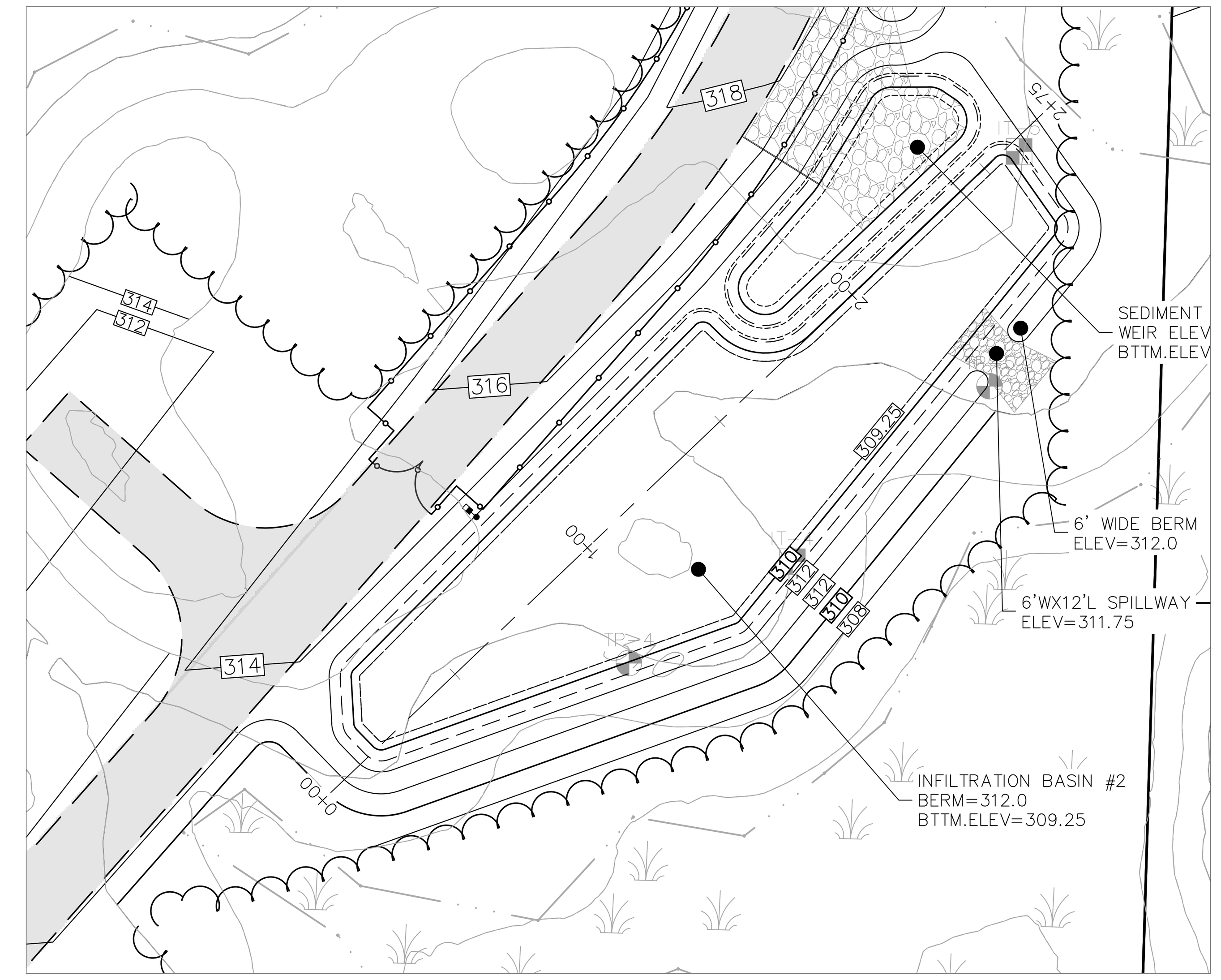
BASIN #1 PLAN VIEW

SCALE: 1"=40'



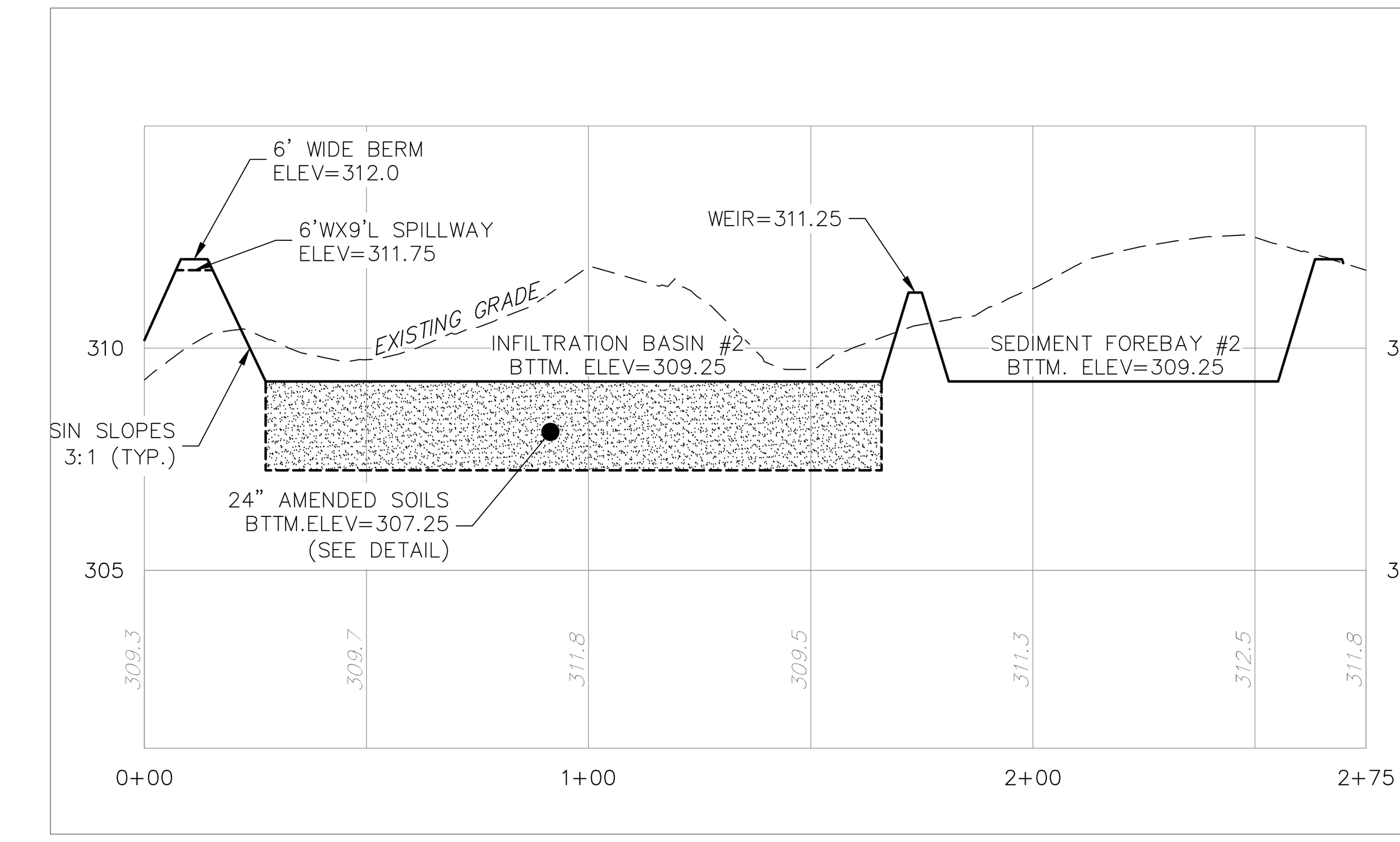
BASIN #1 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V



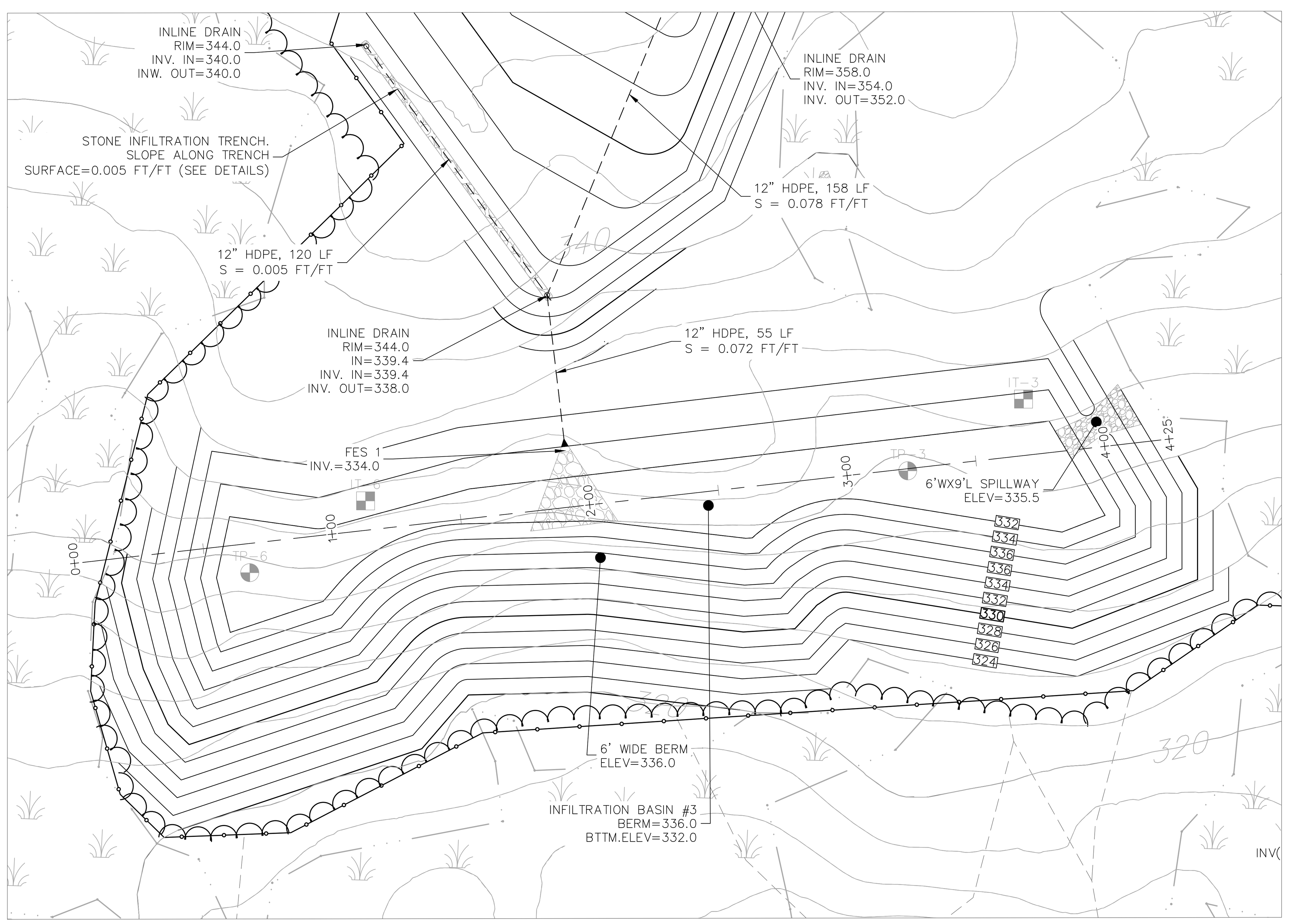
BASIN #2 PLAN VIEW

SCALE: 1"=40'



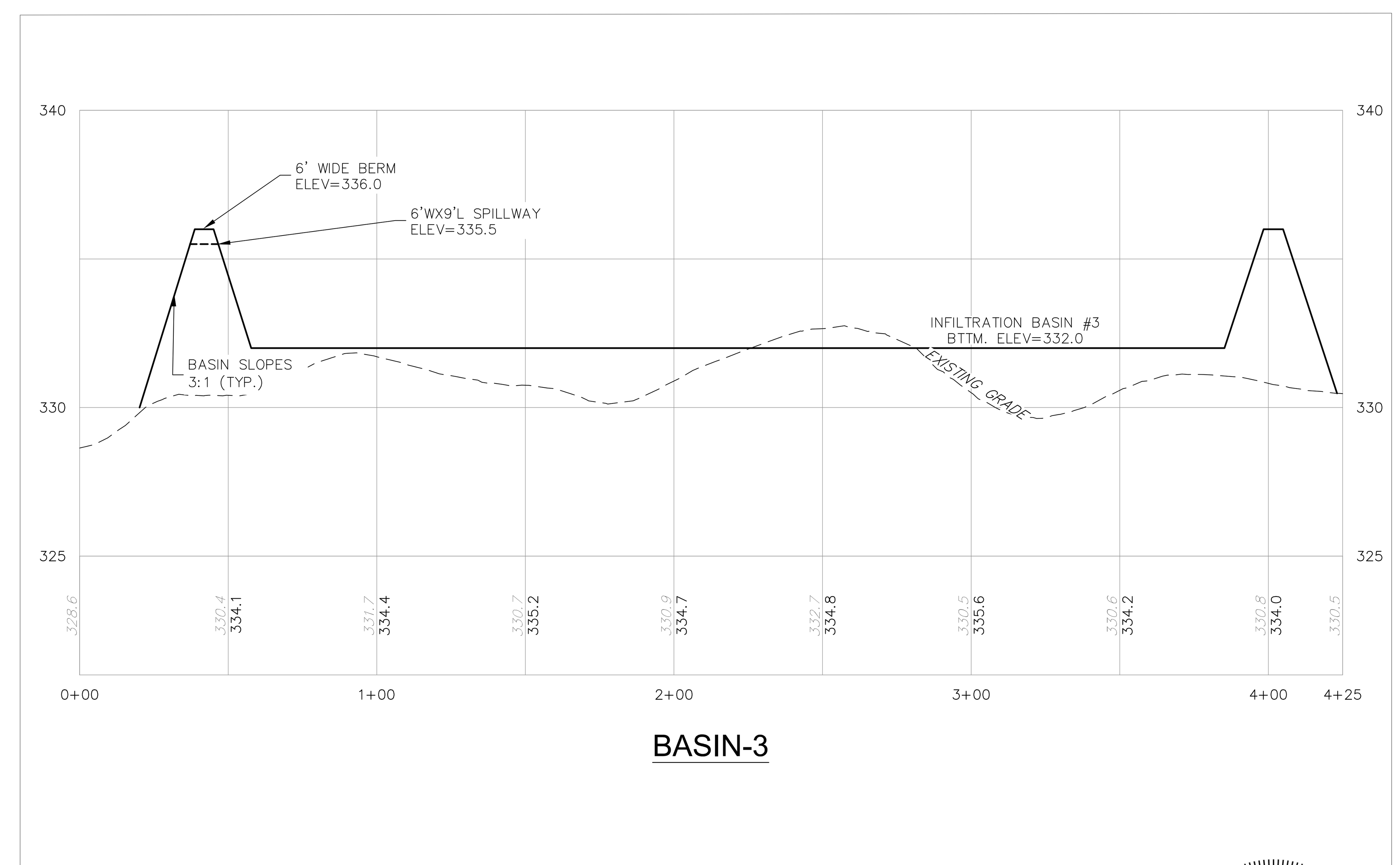
BASIN #2 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V



BASIN #3 PLAN VIEW

SCALE: 1"=40'



BASIN #3 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
2/24/25

REV	DATE	DESCRIPTION	DR	CK
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CK NG CADFILE 47587-00 DESIGN_COVER & DETAILS
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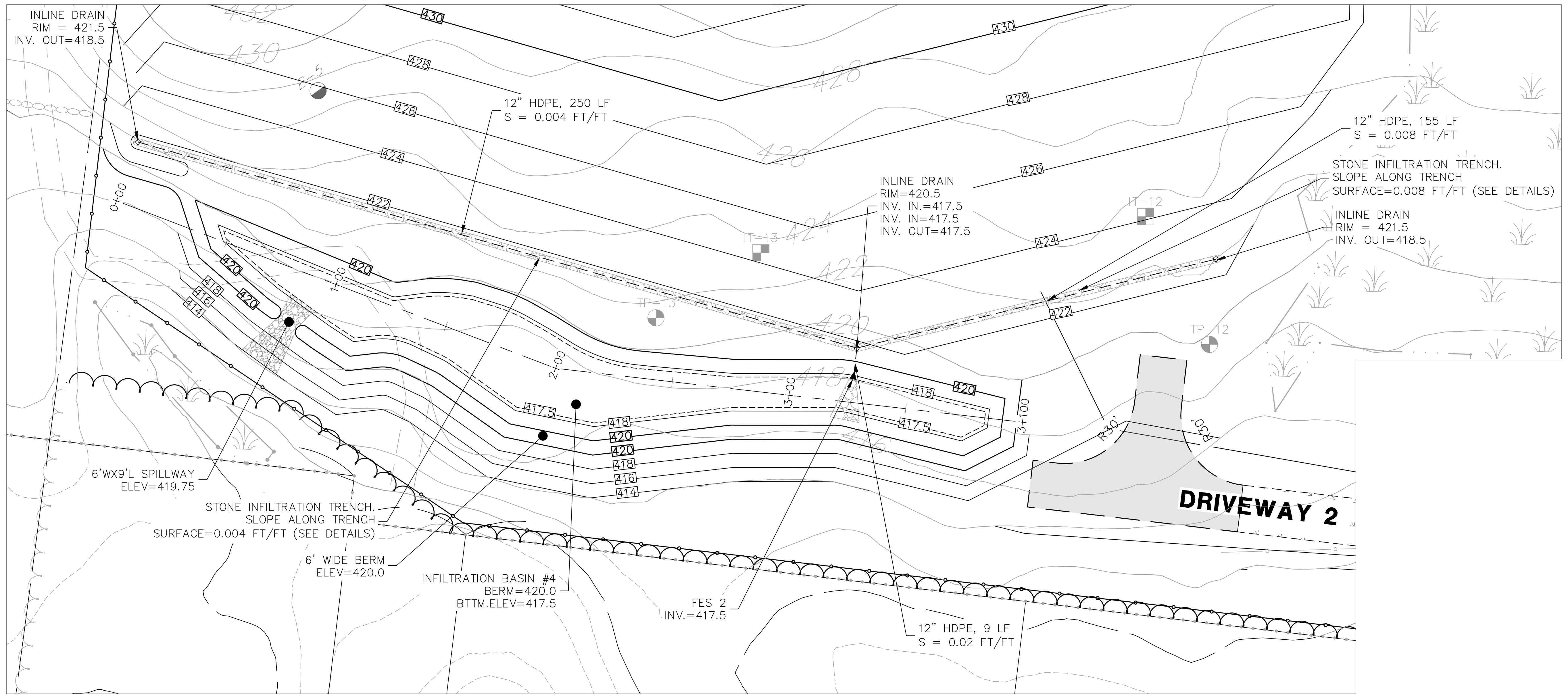
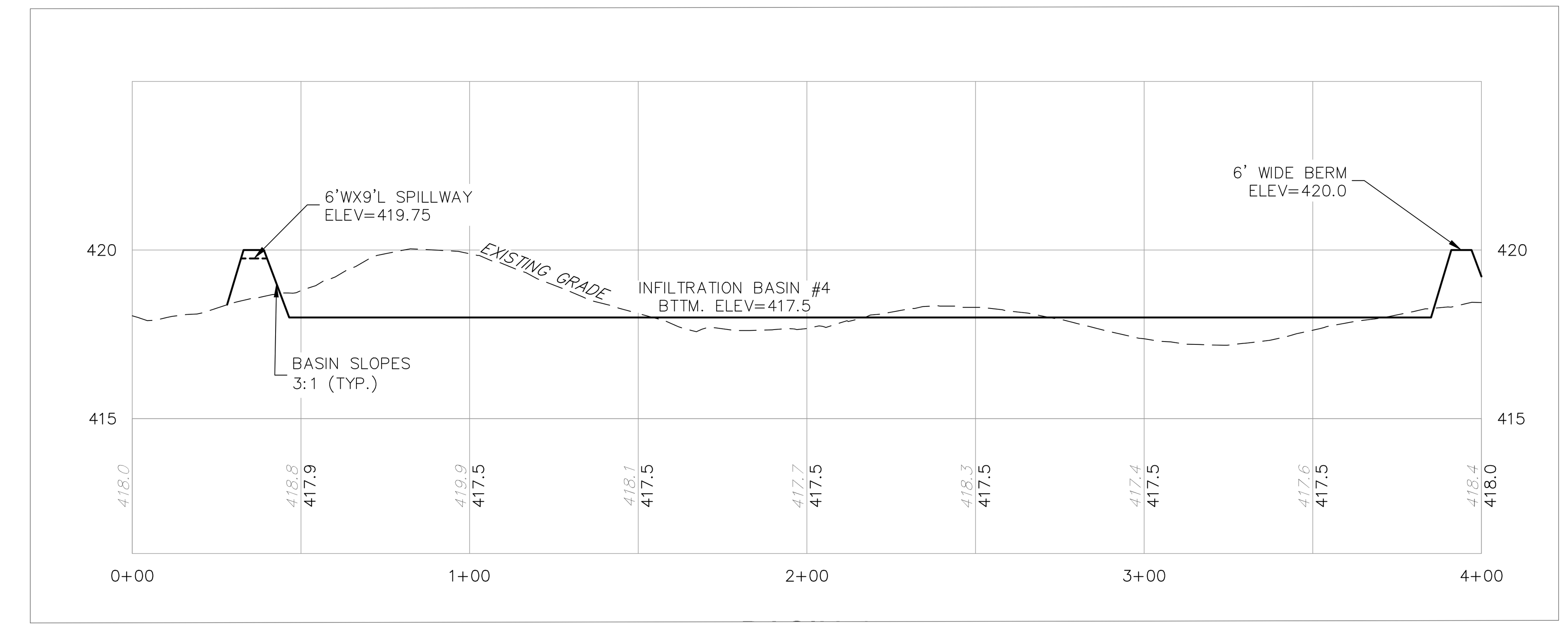


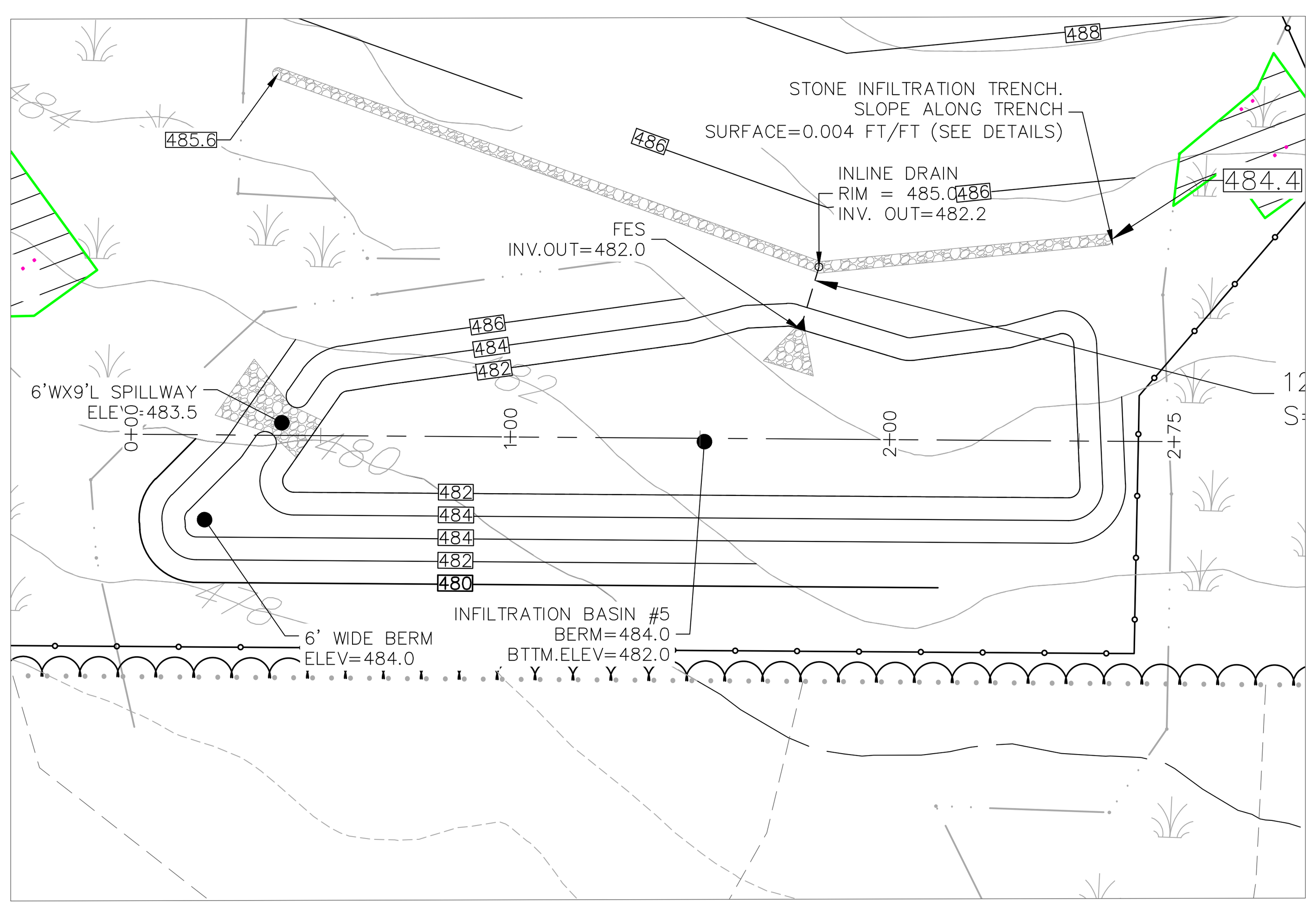
BASIN #4 PLAN VIEW

SCALE: 1"=40'



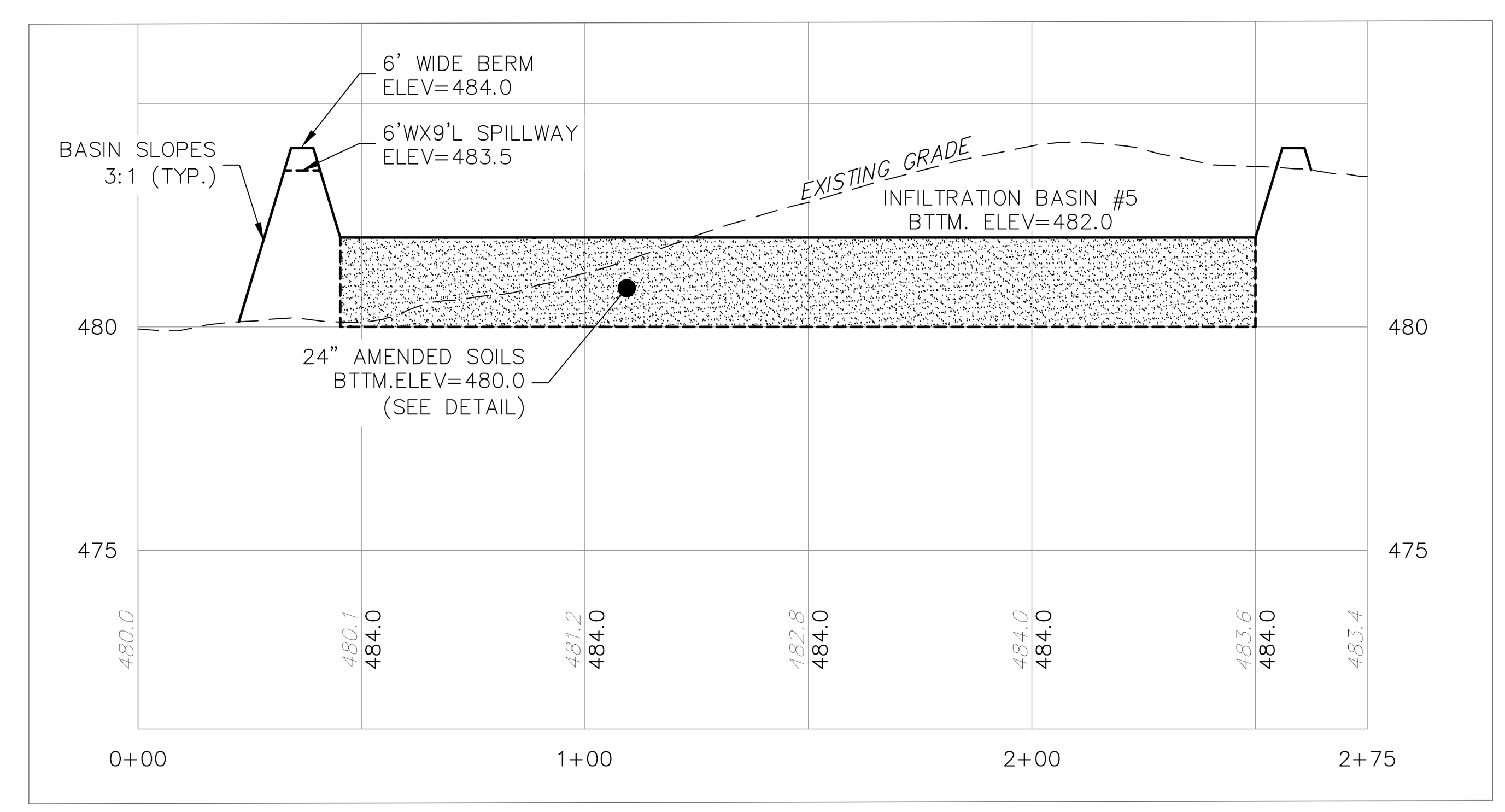
BASIN #4 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V



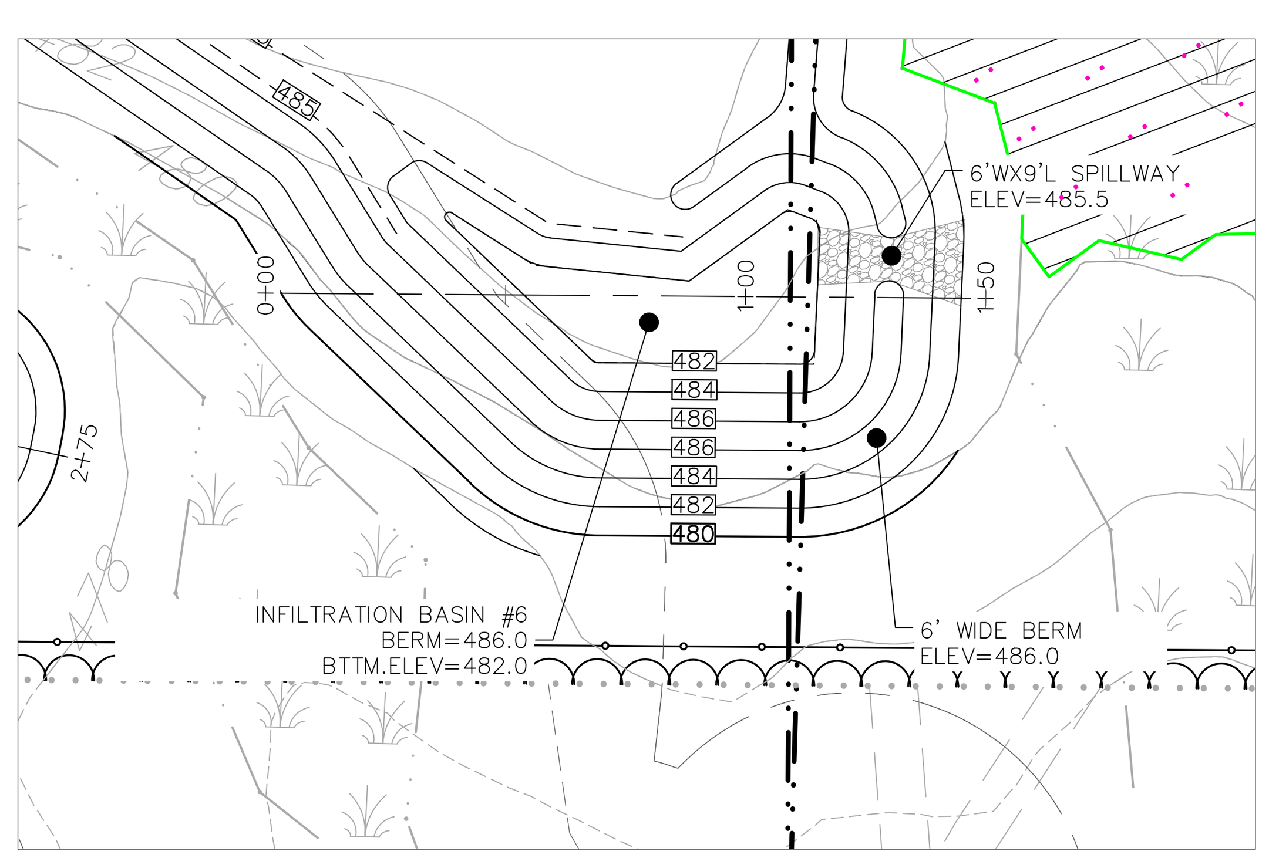
BASIN #5 PLAN VIEW

SCALE: 1"=40'



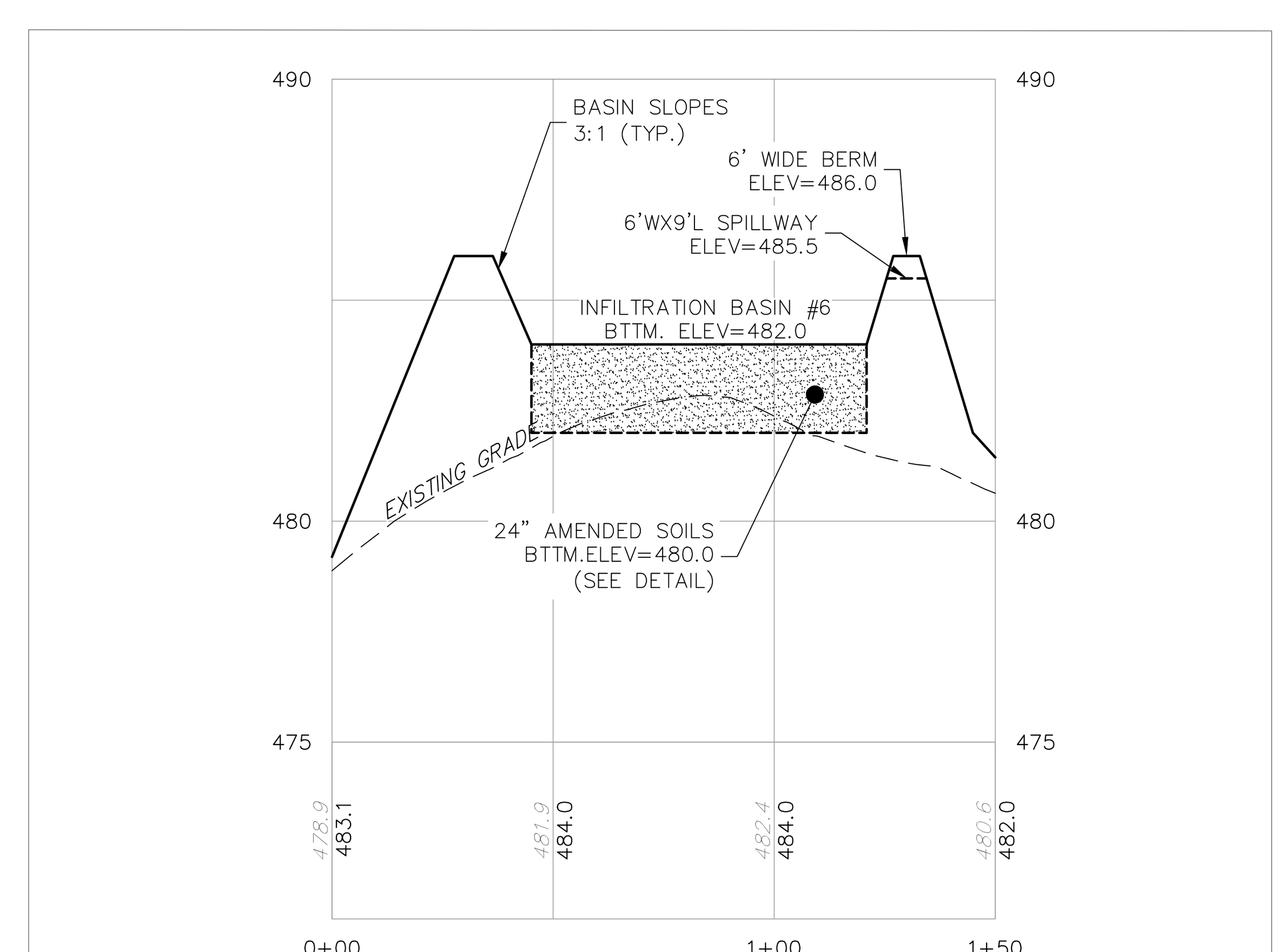
BASIN #5 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V



BASIN #6 PLAN VIEW

SCALE: 1"=40'



BASIN #6 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED
PROFESSIONAL ENGINEER
2/24/25

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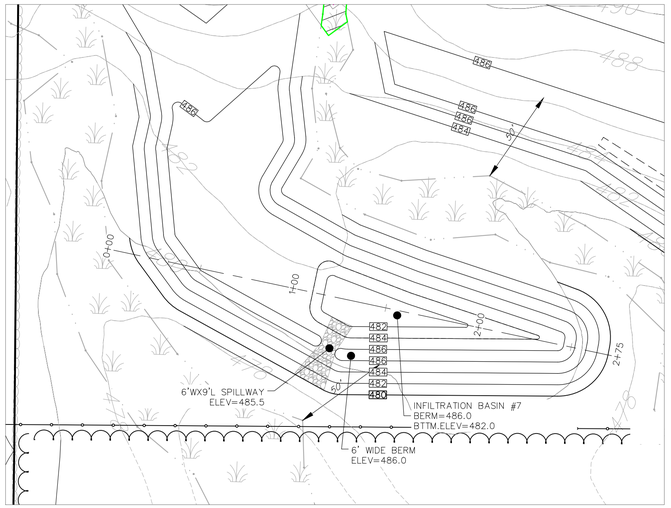
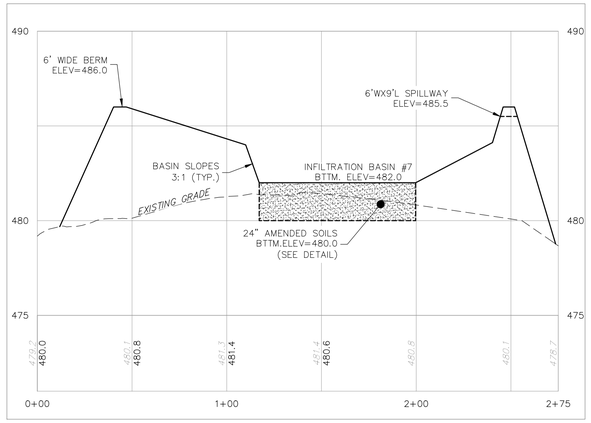
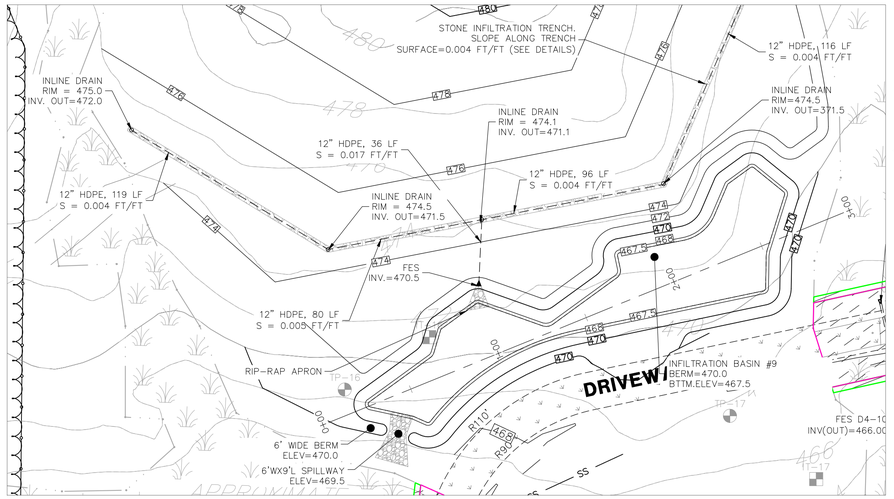
	CK NG	CADFILE 47587-00 DESIGN_COVER & DETAILS	



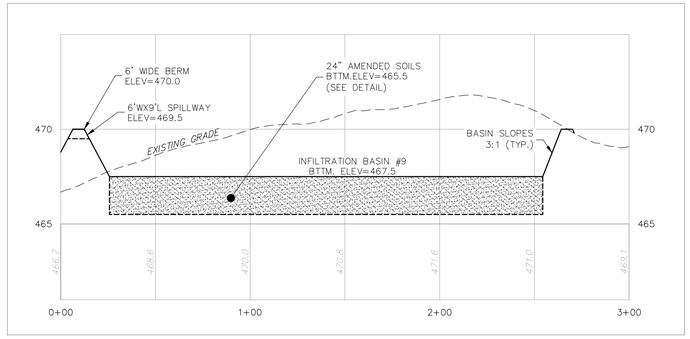
BASIN #7 PLAN VIEW
SCALE: 1"=40'



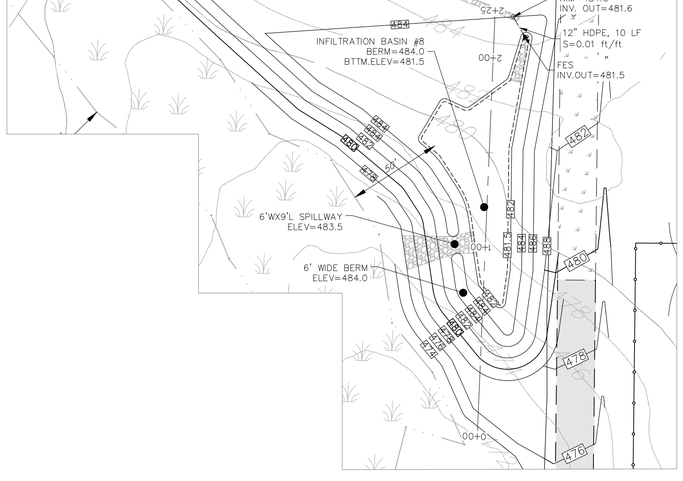
BASIN #7 PROFILE VIEW
SCALE: 1"=40' H/1"=4' V



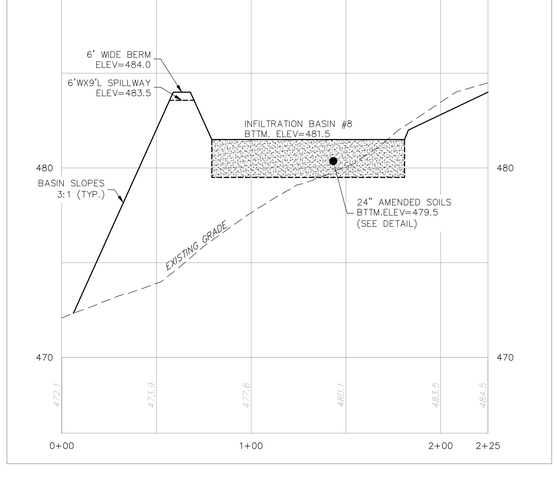
BASIN #9 PLAN VIEW
SCALE: 1"=40'



BASIN #9 PROFILE VIEW
SCALE: 1"=40' H/1"=4' V



BASIN #8 PLAN VIEW
SCALE: 1"=40'



BASIN #8 PROFILE VIEW
SCALE: 1"=40' H/1"=4' V

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STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
2/24/25

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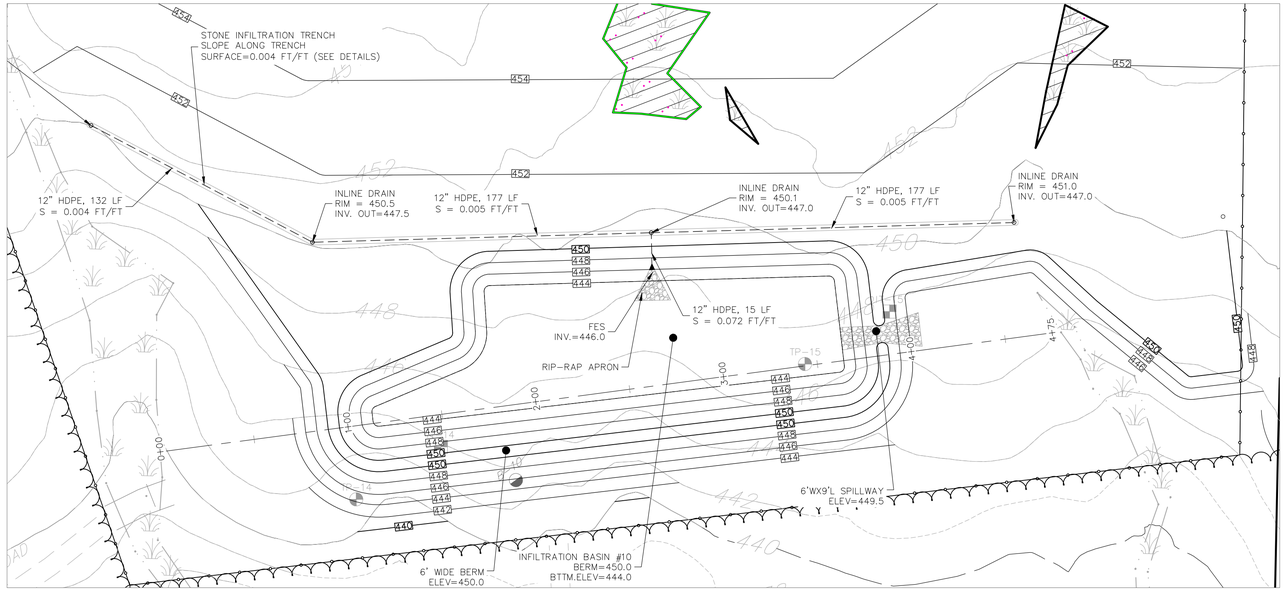
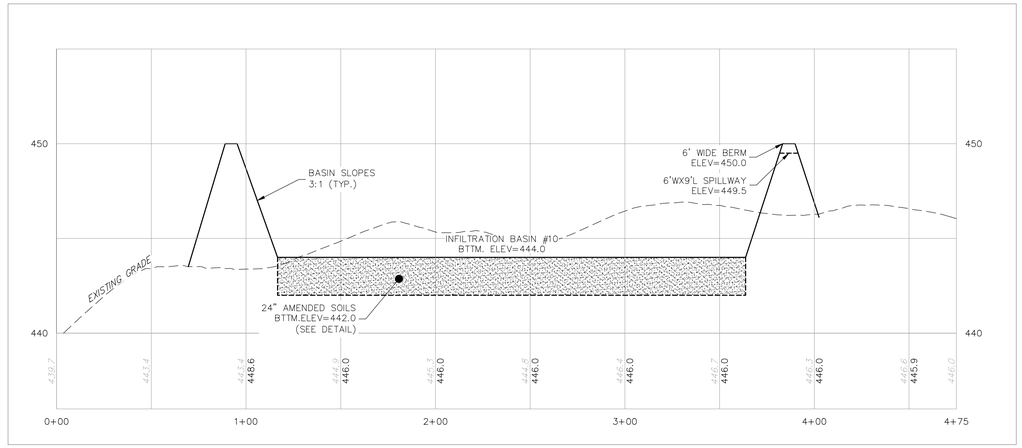
		CK	NG	CADFILE	47587-00 DESIGN_COVER & DETAILS	



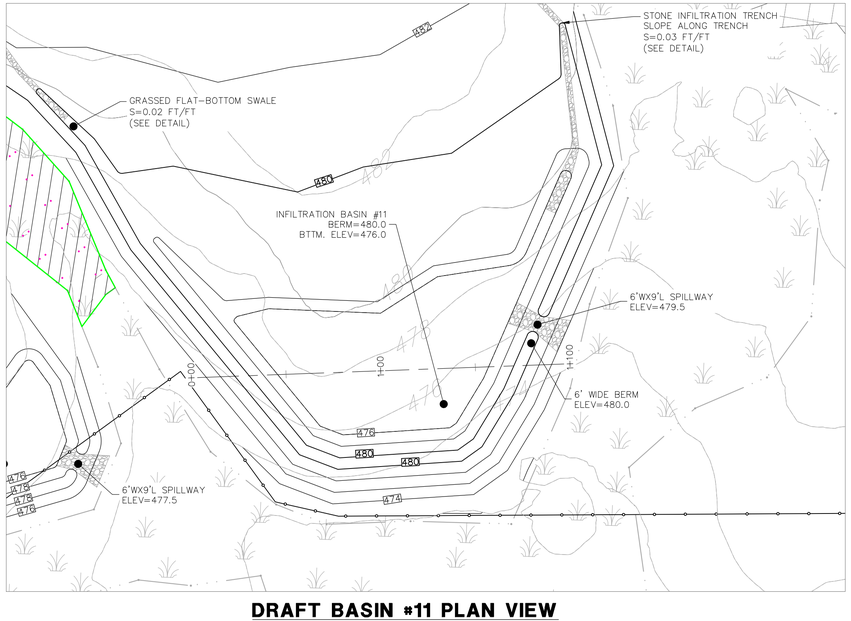
BASIN #10 PLAN VIEW

SCALE: 1"=40'



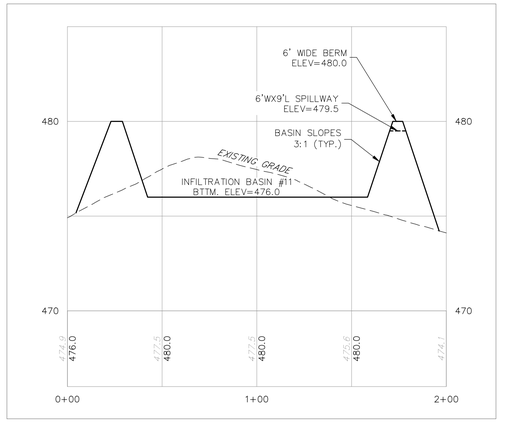
BASIN #10 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V



DRAFT BASIN #11 PLAN VIEW

SCALE: 1"=40'



DRAFT BASIN #11 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V

STATE OF NEW HAMPSHIRE
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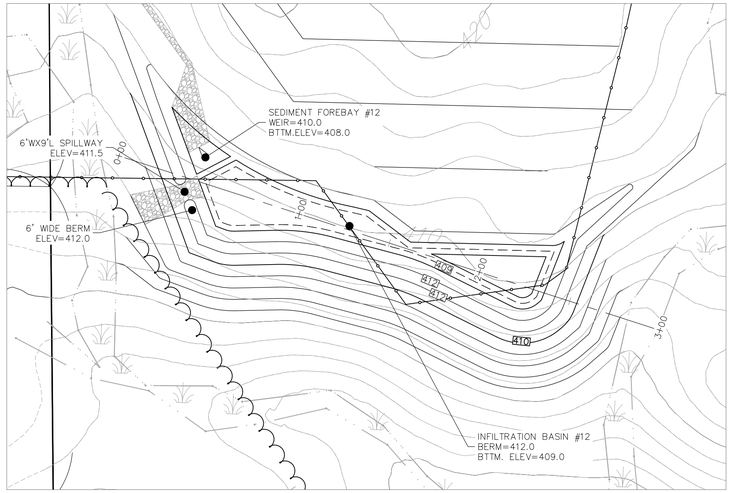
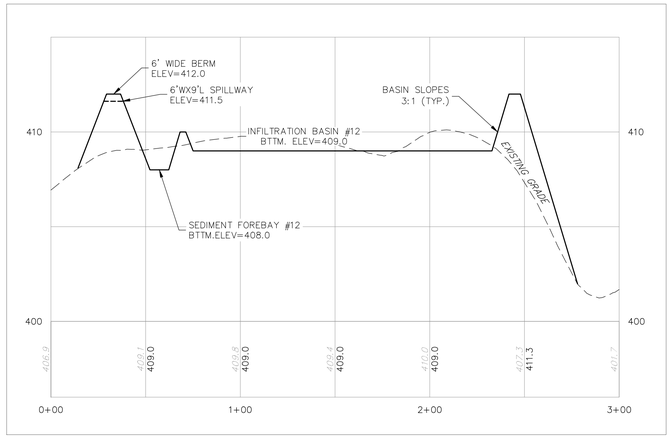


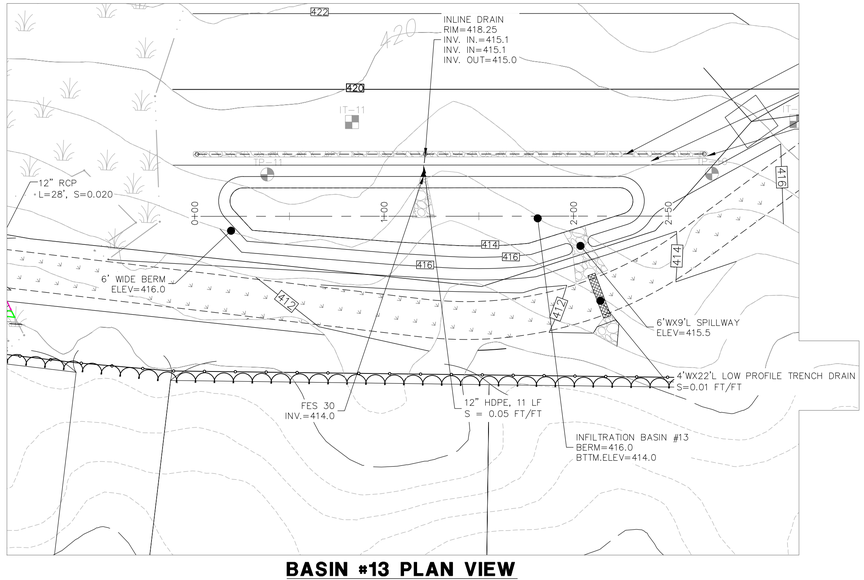
BASIN #12 PLAN VIEW

SCALE: 1"=40'



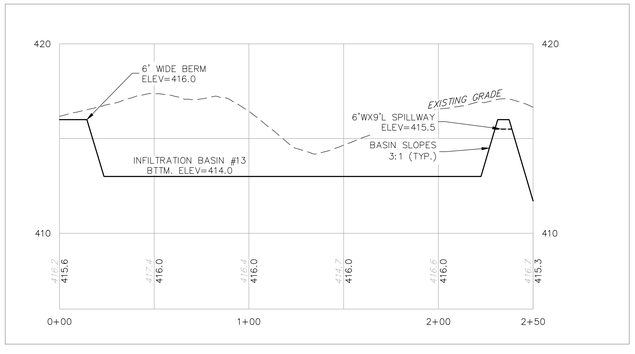
BASIN #12 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V



BASIN #13 PLAN VIEW

SCALE: 1"=40'



BASIN #13 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
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		CK	NG	CADFILE	47587-00 DESIGN_COVER & DETAILS	

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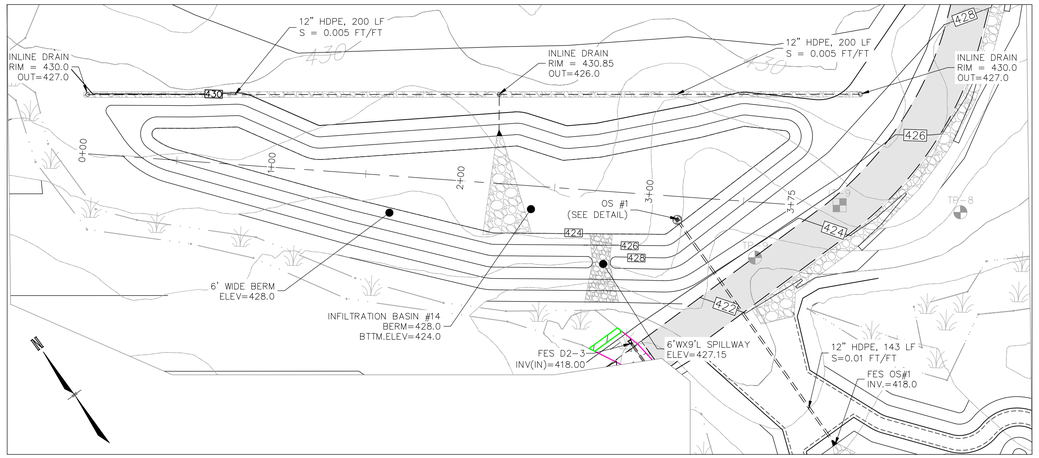
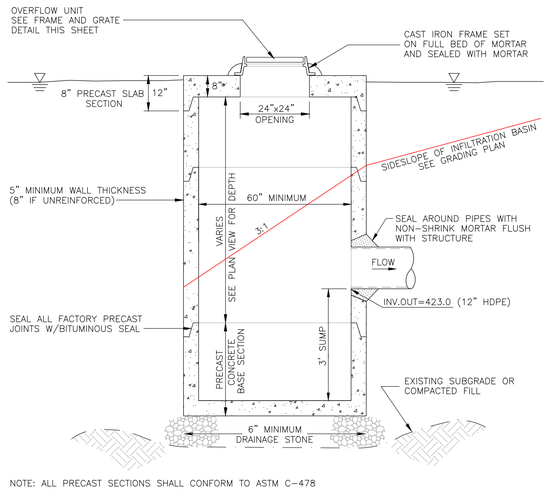


BASIN #14 PLAN VIEW

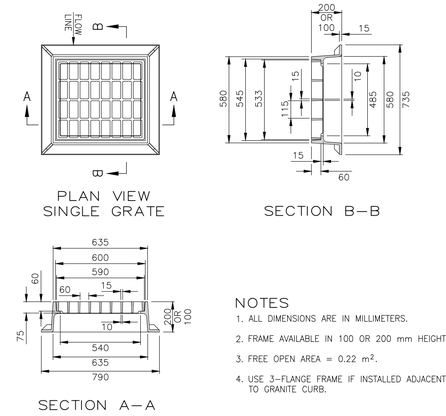
SCALE: 1"=40'



NOTE: ALL PRECAST SECTIONS SHALL CONFORM TO ASTM C-478

OUTLET STRUCTURE

SLAB TOP (INFILTRATION BASIN #14) NOT TO SCALE

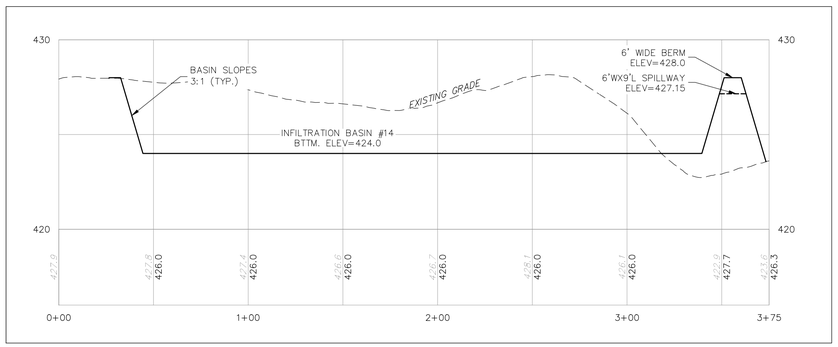


NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. FRAME AVAILABLE IN 100 OR 200 mm HEIGHTS.
3. FREE OPEN AREA = 0.22 m^2.
4. USE 3-FLANGE FRAME IF INSTALLED ADJACENT TO GRANITE CURB.

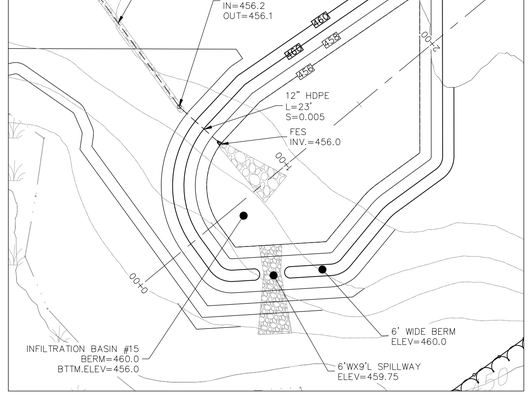
FRAME AND GRATE

NHDOT TYPE B NOT TO SCALE



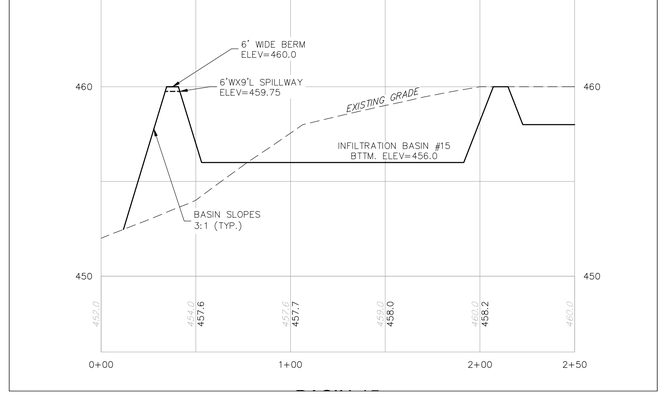
BASIN #14 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V



BASIN #15 PLAN VIEW

SCALE: 1"=40'



BASIN #15 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

DETAILS

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

SCALE: 1"=40' H/1"=4' V **NOVEMBER 13, 2024**

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
5/24/25

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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Traffic Engineers
Land Surveyors
Landscape Architects
Scientists
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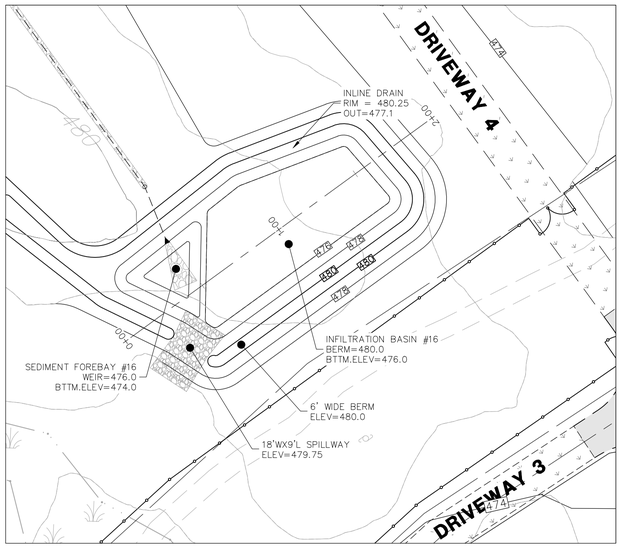
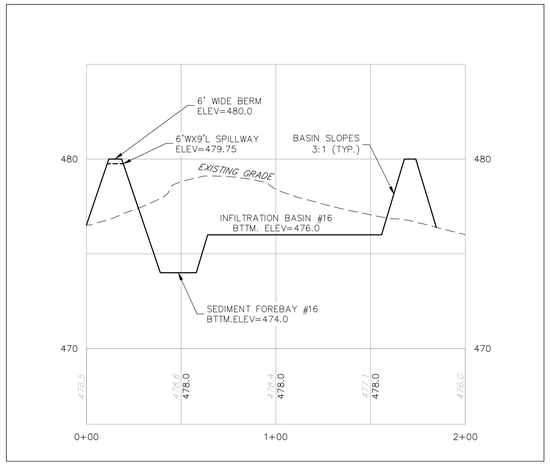
FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE	47587-00 DESIGN_COVER & DETAILS	D-10



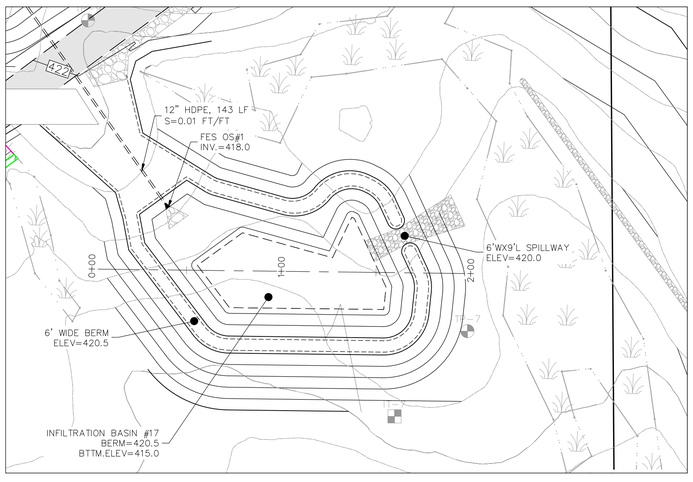
BASIN #16 PLAN VIEW

SCALE: 1"=40'



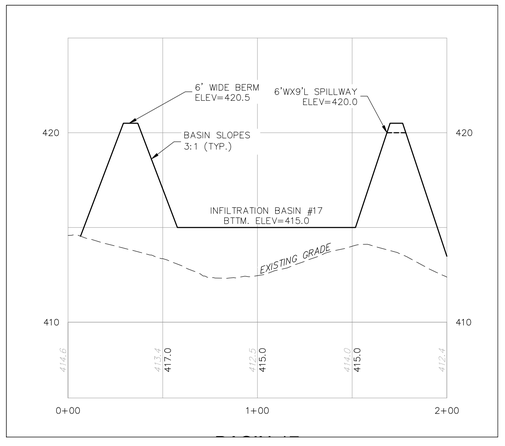
BASIN #16 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V



BASIN #17 PLAN VIEW

SCALE: 1"=40'



BASIN #17 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
2/24/25

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

DETAILS

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
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OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

SCALE: 1"=40' H/1"=4' V **NOVEMBER 13, 2024**

DIG SAFE
811 OR 1-888-DIG-SAFE
CONTACT DIG SAFE 72 BUSINESS HOURS PRIOR TO CONSTRUCTION

REV	DATE	DESCRIPTION	DR	CK
2	2/24/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG
1	1/8/25	REVISED PER TOWN & NHDES COMMENTS	JB	NG

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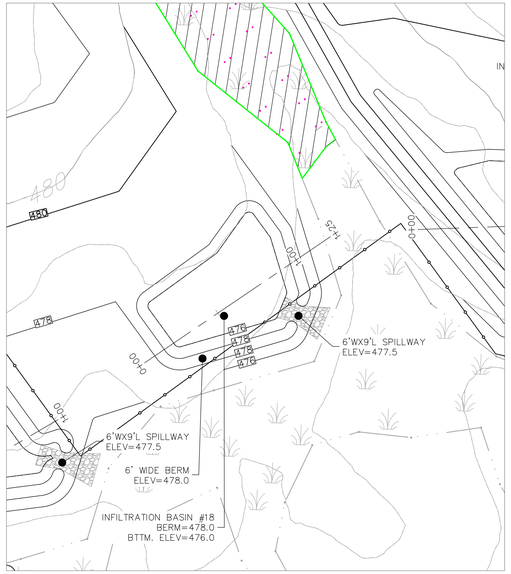
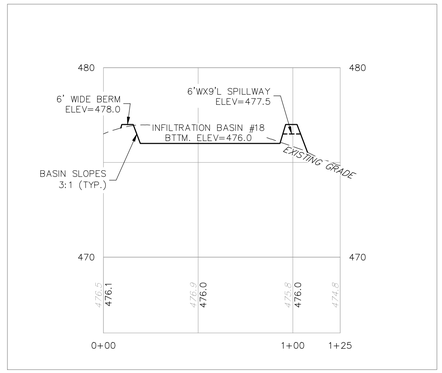
FILE	DR	JB	FB	–	
47587-00	CK	NG	CADFILE 47587-00 DESIGN_COVER & DETAILS		D-11



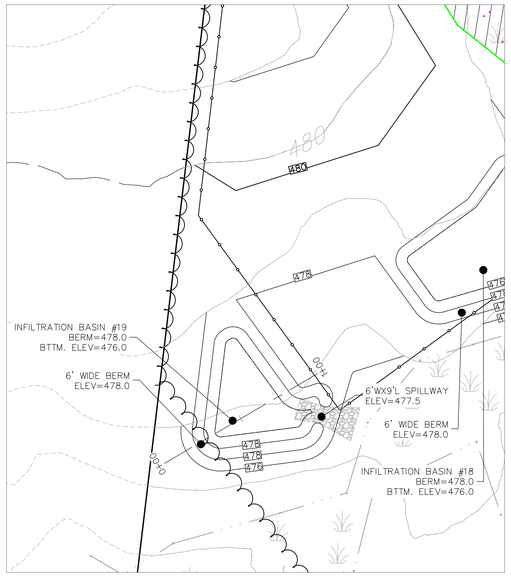
BASIN #18 PLAN VIEW

SCALE: 1"=40'



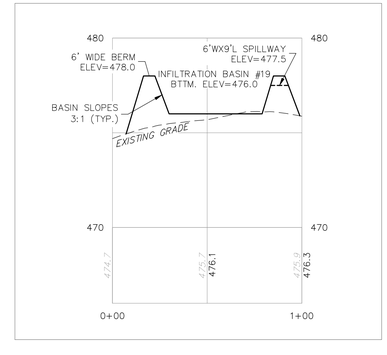
BASIN #18 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V



BASIN #19 PLAN VIEW

SCALE: 1"=40'



BASIN #19 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
2/24/25

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

DETAILS

LILAC STATE SOLAR PROJECT

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WALDEN RENEWABLES

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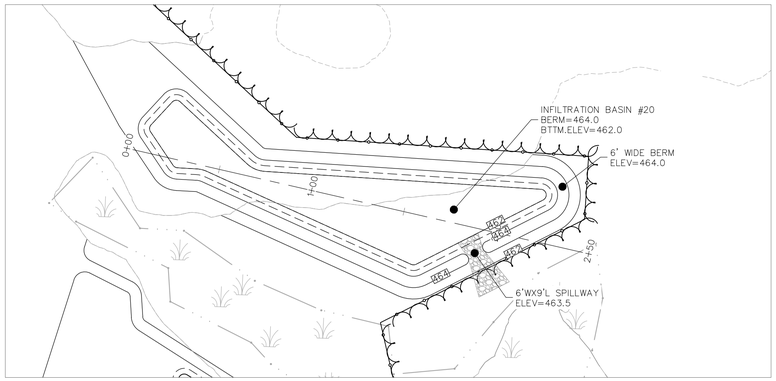
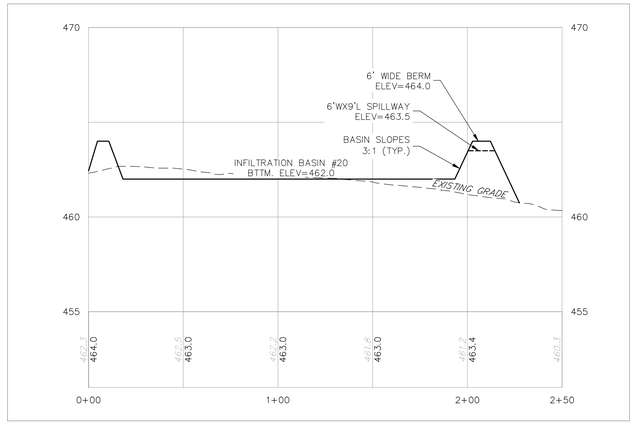
47587-00	CK	NG	CADFILE 47587-00 DESIGN_COVER & DETAILS		D-12



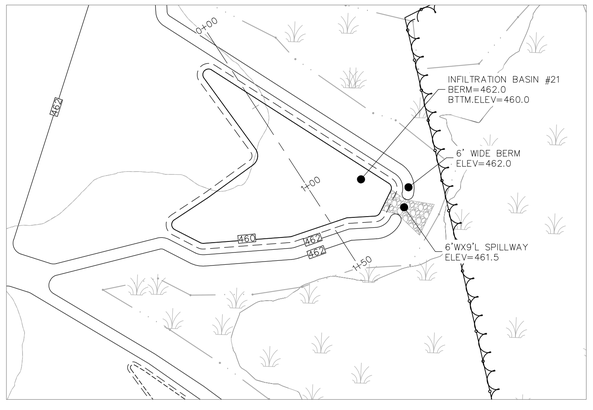
BASIN #20 PLAN VIEW

SCALE: 1"=40'



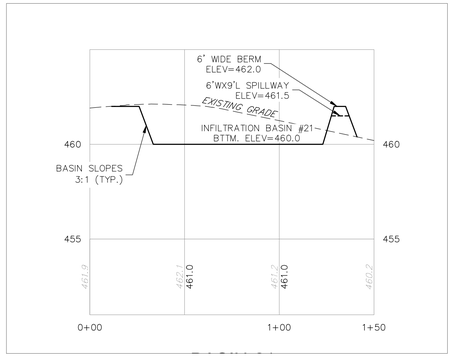
BASIN #20 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V



BASIN #21 PLAN VIEW

SCALE: 1"=40'



BASIN #21 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED PROFESSIONAL ENGINEER
2/24/25

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

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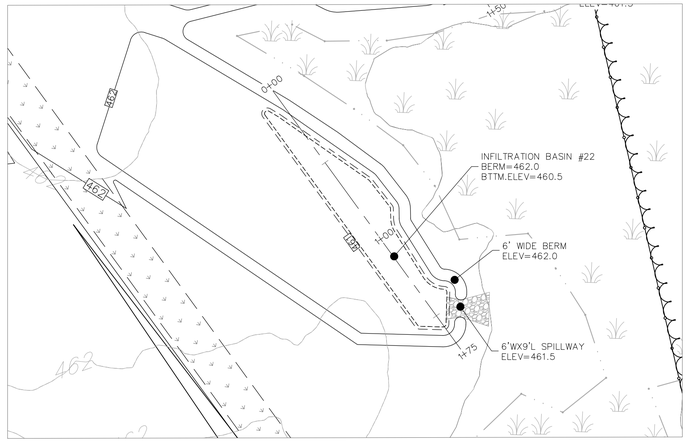
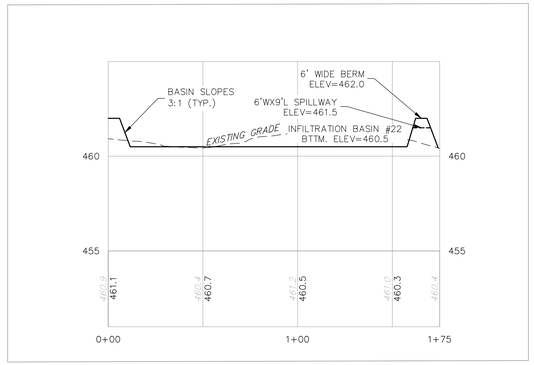
47587-00	CK	NG	CADFILE 47587-00 DESIGN_COVER & DETAILS		D-13



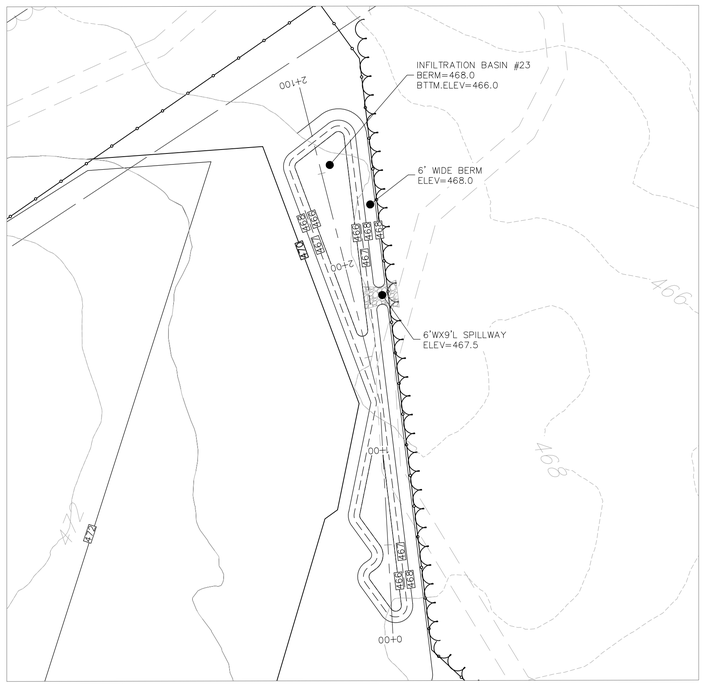
BASIN #22 PLAN VIEW

SCALE: 1"=40'



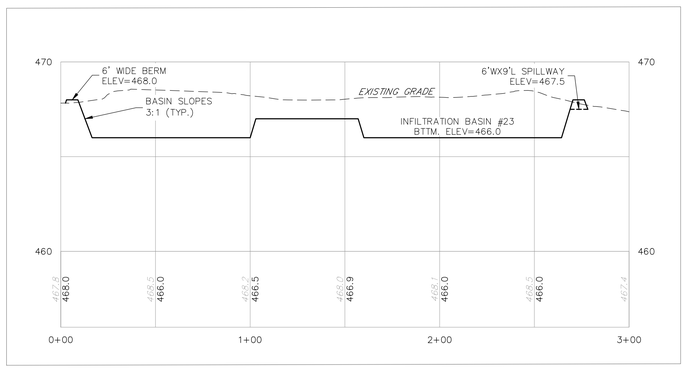
BASIN #22 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V



BASIN #23 PLAN VIEW

SCALE: 1"=40'



BASIN #23 PROFILE VIEW

SCALE: 1"=40' H/1"=4' V

STATE OF NEW HAMPSHIRE
NICHOLAS C. GOLON
No. 14086
LICENSED
PROFESSIONAL ENGINEER
5/24/25

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

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47587-00	CK	NG	CADFILE 47587-00 DESIGN_COVER & DETAILS		D-14

STRAFFORD
Regional Planning Commission

April 7, 2025

Re: **Preliminary Review** - Development of Regional Impact – Farmington, Nutes Solar, LLC

Dear Committee Members:

Per NH RSA 36:55, a Development of Regional Impact means any proposal before a local land use board which in the determination of such local land use board could reasonably be expected to impact on a neighboring municipality.

> Per the Town of Farmington, on March 5, 2025, a declaration of regional impact was declared by the Planning Board for Nutes Solar, LLC, for a Site Plan Review for a 20-megawatt AC (MW) solar energy facility interconnecting to the existing Eversource transmission line that bisects the project site.

The Strafford Regional Planning Commission (SRPC) received formal notice from the Town of Farmington of said ***Development of Regional Impact*** on March 6, 2025. Per the Town of Farmington, a notice was also sent to the Town of Milton, NH. On that date, SRPC also received from the Town of Farmington: Public Hearing Notice, Site Plan Review application and plans. Additional information, including meeting materials from previous meetings of the Planning Board, Zoning Board and Conservation Commission, can be found on the town website at:

https://www.farmington.nh.us/home/news/lilac-state-solar-project-information

The review tool used here is meant to provide a range of questions that help in the staff review and which will lead to a report of findings to be submitted to the Planning Board. The review is limited to the application material submitted and from a *regional impact* perspective only.

Disclosure: SRPC provides contract planning services to the Farmington Planning Board. Those services are currently provided by Kyle Pimental. While Mr. Pimental assisted with the compilation of meeting materials, he did not contribute analysis to this review.

Transportation, Access, and Parking
1) Will the proposed development cause an increase in motor vehicle traffic or other traffic that will impact the safety of the transportation system?
2) Will the proposed development cause an increase in motor vehicle traffic or other traffic that will increase congestion on the transportation system in the adjacent town?
3) Will the proposed development create the need for infrastructure improvements?

4) Will the development result in inadequate emergency access?
5) Does the development meet minimum local parking standards or are there provisions for other modes that reduce the need for parking?
6) Does the plan provide for safe access within the development for all modes (ADA compliance, sidewalks, crosswalks, lighting)?
Comments: See below.

No significant added motor vehicle travel is expected from the development as proposed. Employees or other contractors are not expected to be onsite daily and there will be no public access. No traffic impact study or traffic control devices are required. The applicant has provided a proposed schedule of expected maintenance visits to the site. Sufficient driveway sightlines are provided in the proposed primary access on Chestnut Hill Road, a town road. A secondary emergency access is provided on Dodge Cross Road.

It is recommended that a condition be added to any approval requiring the installation of adequate construction aprons at the intersection with public roads; and a requirement that the ingress-egress points must be cleaned and swept daily for the duration of construction. This will help prevent potential hazards in the roadway for bicycles and motorcycles.

Conflicts with Policies, Plans, and Programs - Noise
7) Will the development expose persons to or generate noise levels in excess of standards established in the local general plan, noise ordinance, or applicable standards of other agencies?
8) Will the development expose persons to or generate excessive ground borne vibration or ground borne noise levels? 9) Will the development substantially and permanently increase ambient noise levels in the project vicinity above existing levels?
10) Will the development substantially increase temporary or periodic ambient noise levels in the project vicinity above existing levels?
11) Is the development located within an airport zone or within two miles of an airport or airfield, where the project would expose residents or employees in the project area to excessive noise levels?
Comments: See below.

Noise generated by inverters has been raised as a concern for this project. The applicant has provided an acoustic study which identifies up to 38 abutting properties that may be impacted, with an estimated disturbance of no more than 38 decibels. The applicant has indicated the noise generated will only occur during daylight hours and many of the affected properties on Aspen Drive, Oakwood Road, and Little City Road will be audibly screened by existing vegetation.

No vibrations, from a regional perspective, are expected from the development as proposed.

Hazardous Materials or Substances
12) Will the development create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?
13) Will the development create a significant hazard to the public or the environment through the reasonable foreseeable upset and accident conditions involving the release of hazardous materials into the environment?
14) Will the development produce hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one quarter mile of an existing or proposed school?
15) Will the development be located on a site that is included on a list of hazardous materials sites compiled by the NH Department of Environmental Services and, as a result, would it create a significant hazard to the public or the environment?
Comments: No production, use, transport, or disposal of hazardous materials have been identified in this development.

Ecology and Resources
16) Will the development have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, regulations, or by the U.S. Fish and Wildlife Service?
17) Will the development have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the New Hampshire Department of Fish and Game or U.S. Fish and Wildlife Service?
18) Will the development have substantial adverse effect on federally protected wetlands as de-fined by Section 404 of the Clean Water Act (including, but not limited to, marsh vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?
19) Will the development interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?
20) Will the development conflict with any local policies or ordinances protecting biological resources, such as a conservation easement, tree preservation policy or ordinance?
21) Will the development conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional or state habitat conservation plan?
22) Will the development have a substantial adverse effect on Groundwater Quality?
23) Will the development have a substantial adverse effect on Air Quality?
Comments: See below.

Wetland impacts have been identified in the proposed development, and the applicant has put forward a Wetland Permit application with the New Hampshire Department of Environmental Services (NHDES) as well as a request for a Special Use Permit for disturbance in Farmington's Wetland Conservation Overlay District.

Highlights from the Wetland Permit application:

- This project has been screened for sensitive species and natural communities by the NH Natural Heritage Bureau (NHB), NH Fish and Game (NHFG), and the U.S. Fish and Wildlife Service.
- All wetland crossings will be designed to maintain hydraulic connectivity.
- The low-functioning, low-value forested wetland systems that is proposed to be converted to wet meadows will allow these wetlands to maintain their wetland dependent wildlife habitat and associated migratory pathways.
- The proposed photovoltaic facility will be surrounded by a wildlife friendly fence that will allow wildlife such as turtles, frogs, and salamanders uninhibited access to these resources.

Additional information found in the Wetland Permit application:
There is no practicable alternative that would have a less adverse impact to jurisdictional resources while meeting the stated project goal of generating 20 MW of solar power. This site is unique in that it has enough undeveloped land positioned immediately adjacent to an existing electrical utility corridor that can support the injection of 20 MW of clean, renewable energy. The existing electrical infrastructure can support the injection of this additional generation without triggering the need to construct new transmission lines or substations, avoiding significant costs and the potential for additional natural resource impacts.

In terms of Priority Resource Areas, only one anthropogenically created, low functioning, low value vernal pool will be impacted. The majority of the proposed development is concentrated within uplands, and the wetland impacts will occur predominantly within low-functioning forested wetlands. The bulk of wetland impacts from the installation of the solar array will be temporary in nature. While some low functioning, low value wetlands will be utilized to support solar array infrastructure, they will be managed so that they transition into wet meadows. Many areas of the wetlands impacted from historic timber harvesting activity are already devoid of large woody vegetation and already functioning in this manner. This construction technique and wetland management strategy will result in no significant net loss of the wetland's pre-existing functions and values. Where permanent impacts are required for wetland crossings, a concerted effort has been made to utilize existing trails and historic wetland crossings.

Robust erosion and sedimentation controls will be implemented to protect all aquatic resources. Silt sock barriers or mulch berms will be installed at the limits of work areas. Controls will be monitored, inspected, and adjusted as necessary throughout construction activities. Pollution prevention controls will be implemented as well, including daily inspections of equipment for leaking fuel, oil, or hydraulic fluid, and storage of oil spill kits within work areas.

It is suggested that the Planning Board take measures to ensure that protection is taken to provide for the continuation of these valuable wildlife habitat areas.

Hazards – Public Health and Safety
24) Will the development expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving landslides or flooding?
25) Will the development result in substantial soil erosion or loss of topsoil?
26) Will the development be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?
27) Will the development be located on soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for disposal of wastewater?
Comments: See below.

There are no hazardous materials associated with the proposed use and there is no increased demand on public safety services. An inspection and maintenance schedule were included with the application as well as a Material Safety Data Sheet produced by the manufacturer of the units.

The majority soils in the soils study area of interest (AOI) consist of Acton (AdB, 49.5%, very stony fine sandy loam at 0-8% slopes) and Gloucester (GsC, 34.2%, very stony fine sandy loam, 8-15% slopes). The remainder of the soils in the AOI consist of Gloucester (GIB & GsB), Hollis-Gloucester (HgB), Leicester (LeB), Leicester-Ridgebury (LrA), and Saugatuck (Sb). The Drainage classes of AdB, GsC, GIB, GsB, and HgB range from moderately well drained to somewhat excessively well-drained, while LeB, LrA, and Sb are all classed as poorly well-drained. As septic tanks are not included in the development, there is no risk of soils in the AOI being incapable of adequately supporting wastewater disposal systems.

Facilities
28) Will the development require new or expanded Fire protection facilities or services in the adjacent municipality in order to maintain acceptable service ratios, response times or other performance standards?
29) Will the development require new or expanded Law Enforcement facilities or services in the adjacent municipality in order to maintain acceptable service ratios, response times or other performance standards?
30) Will the development require new or expanded School facilities or services in the adjacent municipality in order to maintain acceptable service ratios, response times or other performance standards?
31) Will the development require new or expanded Parks facilities or services in the adjacent municipality in order to maintain acceptable service ratios, response times or other performance standards?
32) Will the development require new or expanded Solid Waste facilities or services in the adjacent municipality in order to maintain acceptable service ratios, response times or other performance standards?

33) Will the development cause an increase in new or expanded utilities, treatment facilities, storm water, water supplies, etc., that would result in a negative financial or environmental impact to the adjacent municipality?
Comments: No additional law enforcement, fire protection, school capacity, park space, solid waste collection, utility service, or other local services are asked of Strafford County or the Towns of Farmington or Milton as a result of the proposed development.
Scenic and Visual Character
34) Will the development convert Prime Farmland to non-agricultural use?
35) Will the development conflict with existing zoning for agricultural use?
36) Will the development involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use?
37) Will the development have a substantial adverse effect on a scenic vista?
38) Will the development substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?
39) Will the development substantially degrade the existing visual character or quality of the site and its surroundings?
40) Will the development create a new source of substantial light or glare which would adversely impact day or nighttime views in the area?
41) Will the development conflict with any applicable land use plan, policy, or regulation including, but not limited to the Master Plan or Zoning Ordinance?
Comments: A viewshed analysis was completed for a study area of a five-mile radius of the site. The resulting development may be visible from individual point locations on Hornetown Road and Goselin Way in Farmington and Nutes Road in Milton. For properties immediately abutting the site, some natural vegetative screening will be utilized. The maximum height of the structures will be 18 feet.

Housing and Population Growth
42) Will the development induce substantial growth in an area, either directly (for example, by proposing new homes or businesses) or indirectly (for example, through extension of roads or other infrastructure)?
43) Will the development displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?
44) Will the development displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?
45) Is the development compatible with existing or planned cross border development?
Comments: No net increase in housing units is proposed in this development.

We hope that these comments will be useful to you in your review of this project. This report should be used for informational purposes only. The scope of SRPC's review is intended to focus on the regional impacts of this application and does not duplicate the Farmington Planning Board's review for consistency with town ordinances and regulations. Similarly, land use

policies in referenced municipalities, are not part of this review and SRPC defers to these municipalities to provide more comprehensive feedback regarding consistency of the proposed development with their regulations and with the character of their community.

If you have any questions, contact Lisa Murphy at lmurphy@strafford.org or call (603) 994-3500.

Town of Farmington
Planning and Community Development
356 Main Street ● Farmington, NH 03835
phone (603) 755-2774 ● www.farmington.nh.us

PLANNING BOARD
PUBLIC HEARING NOTICE

Notice is hereby given that an application for the case below came before the Farmington Planning Board on March 5, 2025, in which the Board voted in favor (4-1) that the application to be a Development of Regional Impact finding that criteria set forth in Section 36:55(I) "*relative size*" and (II) "*proximity to the borders of a neighboring community"* (Town of Milton) were met. Farmington local officials, and the public, are encouraged to follow the hearing proceedings and provide feedback in person or through written communication as needed.

Case #SRA24_005: Major Site Plan Application for Nutes Solar, LLC, Tax Map R-17, Lot(s) 68, 55, 57, and 33 & Tax Map R-18; Lot(s): 10, 5 & 3.

> *The proposal is for a 20-megawatt AC (MW) solar energy facility interconnecting to the existing Eversource transmission line that bisects the project site. The project consists of access roads, fencing, solar array foundations, racking system, panels, equipment pads with inverters and transformers, and other associated equipment. The project proposes using a single axis tracker racking system which maximizes power output by tracking the sun from east to west daily.*
>
> *A Special Use Permit will be required for 36,204 square feet of permanent wetland impacts and 5,796 square feet of temporary wetland impacts. Additionally, the proposal will result in approximately 716,178 square feet of class one and 1,011,760 square feet of class two buffer impacts. The project is in the Rural Residential District.*

The case has been continued until **April 16, 2025, at 6:30PM** at the Farmington Municipal Building, 356 Main Street, in the Selectmen's Chambers.

Documents for the case can be found via the address below.

https://www.farmington.nh.us/home/news/lilac-state-solar-project

Sincerely:

Rick Pelkey, Chair
Farmington Planning Board

SITE DEVELOPMENT PLANS

VARIOUS TAX MAPS & LOTS

RENDERING KEY

LILAC STATE SOLAR PROJECT

CHESTNUT HILL ROAD & DODGE CROSS ROAD
FARMINGTON, NEW HAMPSHIRE 03835

OWNED BY

VARIOUS PARTIES

PREPARED FOR

WALDEN RENEWABLES

SCALE: **MARCH 26, 2025**

HORIZONTAL SCALE 1"=20'
20 10 0 20

REV	DATE	DESCRIPTION	DR	CK

TFM
Civil Engineers
Structural Engineers
Traffic Engineers
Land Surveyors
Landscape Architects
Scientists

48 Constitution Drive
Bedford, NH 03110
Phone (603) 472-4488
Fax (603) 472-9747
www.tfmoran.com

FILE	DR	rs	-
47587-00	CK	CADFILE	47587-00 RENDERING KEY

FIGURE-01


View C
Nutes Road
TFM
Since 1968
THIS RENDERING IS A CONCEPTUAL DEPICTION. SOME ELEMENTS MAY BE INNACURATE.


Google

The State of New Hampshire
Department of Environmental Services

Robert R. Scott, Commissioner

March 18, 2025

Dale Knapp
Nutes Solar, LLC
15 Fleet Street
Portsmouth, NH 03801
(sent via email to: dale.knapp@waldenrenewables.com)

Re: Lilac State Solar Project **Permit: AoT-2795**
Chestnut Hill Road – Farmington
Tax Maps R17 & R18, Lots 33, 55, 57, 68 & 3, 5, 10

Dear Mr. Knapp:

Based upon the plans and application, approved on March 18, 2025, we are hereby issuing RSA 485-A:17 Alteration of Terrain Permit AoT-2795 pursuant to application 241122-216.

The permit is subject to the following conditions:

PROJECT SPECIFIC CONDITIONS:

1. The plans titled *Lilac State Solar Project,* by TFMoran, Inc., dated November 13, 2024, last revision date March 17, 2025, and supporting documentation in the permit file are a part of this approval. The project must be constructed as shown on the approved plans.

2. **This permit expires on March 18, 2030.** No earth moving activities shall occur on the project after this expiration date unless the permit has been extended by the Department. If requesting an extension, the request must be received by the department before the permit expires. The Amendment Request form is available at: https://www.des.nh.gov/land/land-development.

3. Pursuant to Env-Wq 1504.17, the Permittee shall comply with wildlife protection notes related to NHB24-2001 that are incorporated into the project plans.

4. The project is to be phased as shown on Construction Phasing Plan (PH-01 and PH-02) by TFMoran, Inc., dated November 13, 2024, last revision date February 24, 2025. Each phase shall be stabilized pursuant to Env-Wq 1505.04 before disturbance of subsequent phases.

5. The permittee shall employ the services of an Environmental Monitor (EM) for the purposes of providing independent professional environmental inspections of the project. The permittee shall receive prior approval of the EM by the Department. The EM shall inspect the project at a minimum frequency of once per week and following rainfall events of 0.5-inch or greater in a 24-hour period. The inspections shall be for the purposes of determining compliance with the permit. The Monitor shall submit a written report, stamped by a qualified engineer or a Certified Professional in Erosion and Sediment Control to the Department within 24 hours of the inspections. The reports shall describe, at a minimum, whether the project is being constructed in accordance with the approved sequence, shall identify any deviation from the conditions of this permit and the approved plans, and identify any other noted deficiencies. Reports shall be submitted to Kevin.D.Thatcher@des.nh.gov.

6. A qualified CPESC, soil scientist, geologist or engineer shall be retained to design the soil amendment and perform infiltration testing at the following infiltration systems: Basin #1, #2, #5, #6, #7, #8, #9, and #10. Layout and elevation of amended soils is as shown on Details (D-05, D-06, D-07, and D-08) by TFMoran, Inc., dated November 13, 2024, last revision date February 24, 2025. The information and test results shall be provided to the NHDES Alteration of Terrain Bureau to verify the assumed design infiltration rates of 5 in/hour (actual infiltration rate of 10 in/hour) and a minimum separation of 3 feet from the bottom of the ponds to the elevation of seasonal high water and bedrock. The depth of the amended soil must be at least 24 inches thick.

GENERAL CONDITIONS:

1. Activities shall not cause or contribute to any violations of the surface water quality standards established in Administrative Rule Env-Wq 1700.

2. You must submit revised plans for permit amendment prior to any changes in construction details or sequences. You must notify the Department in writing within ten days of a change in ownership.

3. You must notify the Department in writing prior to the start of construction and upon completion of construction. Forms can be submitted electronically at: https://www.des.nh.gov/land/land-development. Paper forms are available at that same web page.

4. All stormwater practices shall be inspected and maintained in accordance with Env-Wq 1507.07 and the project Inspection and Maintenance (I&M) Manual. All record keeping required by the I&M Manual shall be maintained by the identified responsible party and be made available to the department upon request. Photographs of the site and BMPs must accompany the I&M submittals.

5. This permit does not relieve the applicant from the obligation to obtain other local, state or federal permits that may be required (e.g., from US EPA, US Army Corps of Engineers, etc.). Projects disturbing over 1 acre may require a federal stormwater permit from EPA. Information regarding this permitting process can be found at: https://www.epa.gov/npdes/2022-construction-general-permit-cgp.

6. Upon completion of construction, a written notice signed by the permit holder and a qualified engineer shall be submitted to the Department, in accordance with Env-Wq 1503.21(c)(1), stating that the project was completed in accordance with the approved plans and specifications. If deviations were made, the permit holder shall review the requirements in Env-Wq 1503.21(c)(2).

7. No activity shall occur in wetland areas until a Wetlands Permit is obtained from the Department. Issuance of this permit does not obligate the Department to approve a Wetlands Permit for this project.

8. This project has been screened for potential impact to known occurrences of protected species and exemplary natural communities in the immediate area. Since many areas have never been surveyed, or have not been surveyed in detail, unidentified sensitive species or communities may be present. This permit does not absolve the permittee from due diligence in regard to state, local or federal laws regarding such communities or species. This permit does not authorize in any way the take of threatened or endangered species, as defined by RSA 212-A:2, or of any protected species or exemplary natural communities, as defined in RSA 217-A:3.

Sincerely,

Kevin D. Thatcher, PE, CPESC
Alteration of Terrain Bureau

cc: Farmington Planning Board (kpimental@strafford.org)
Nicholas Golon, TFMoran, Inc. (ngolon@tfmoran.com)