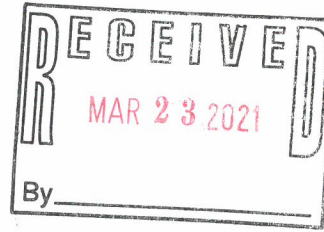


NONRESIDENTIAL SITE PLAN APPLICATION

City of Rochester, New Hampshire



Date: March 23, 2021 Is a conditional use needed? Yes: No: X Unclear:
(If so, we encourage you to submit an application as soon as possible.)

Property information

Tax map #: 205; Lot #(s): 18; Zoning district: Agricultural

Property address/location: 36 Cross Road Rochester, NH 03867

Name of project (if applicable): _____

Size of site: 34.53 acres; overlay zoning district(s)? None

Property owner

Name (include name of individual): Thomas R. & Dianne C. Aubert

Mailing address: 5 Gary Drive Rochester, NH 03867

Telephone #: 603-534-5990 Email: Taubert@metrocast.net

Applicant/developer (if different from property owner)

Name (include name of individual): Same as owner

Mailing address: _____

Telephone #: _____ Email: _____

Engineer/designer

Name (include name of individual): Kenneth A. Berry

Mailing address: 335 Second Crown Point Road Barrington, NH 03825

Telephone #: 603-332-2863 Fax #: _____

Email address: k.berry@berrysurveying.com Professional license #: 14243

Proposed activity (check all that apply)

New building(s): _____ Site development (other structures, parking, utilities, etc.): _____

Addition(s) onto existing building(s): _____ Demolition: _____ Change of use: _____

Describe proposed activity/use: Excavation operation

Describe existing conditions/use (vacant land?): Unvegetated sand pit surrounded by wetlands

Utility information

City water? yes ☐ no ☒; How far is City water from the site? N/A

City sewer? yes ☐ no ☒; How far is City sewer from the site? N/A

If City water, what are the estimated total daily needs? N/A gallons per day

If City water, is it proposed for anything other than domestic purposes? yes ☐ no N/A

If City sewer, do you plan to discharge anything other than domestic waste? yes ☐ no N/A

Where will stormwater be discharged? N/A

Building information

Type of building(s): N/A

Building height: N/A Finished floor elevation: N/A

Other information

parking spaces: existing: ☐ total proposed: N/A; Are there pertinent covenants? N/A

Number of cubic yards of earth being removed from the site 8,500

Number of existing employees: N/A; number of proposed employees total: N/A

Check any that are proposed: variance ☐; special exception ☒; conditional use ☐

Wetlands: Is any fill proposed? None; area to be filled: ; buffer impact? None

Proposed <i>post-development</i> disposition of site (should total 100%)		
	Square footage	% overall site
Building footprint(s) – give for each building	0	
Parking and vehicle circulation	0	
Planted/landscaped areas (excluding drainage)	0	
Natural/undisturbed areas (excluding wetlands)	275,735	18.3
Wetlands	1,145,733	76.2
Other – drainage structures, outside storage, etc.	82,500	5.5

Comments

Please feel free to add any comments, additional information, or requests for waivers here:

Submission of application

This application must be signed by the property owner, applicant/developer (if different from property owner), and/or the agent.

I (we) hereby submit this Site Plan application to the City of Rochester Planning Board pursuant to the City of Rochester Site Plan Regulations and attest that to the best of my knowledge all of the information on this application form and in the accompanying application materials and documentation is true and accurate. As applicant/developer (if different from property owner)/as agent, I attest that I am duly authorized to act in this capacity.

Signature of property owner: 

Date: 3-23-21

Signature of applicant/developer: _____

Date: _____

Signature of agent: 

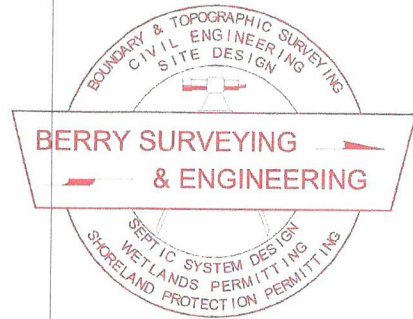
Date: 3-23-21

Authorization to enter subject property

I hereby authorize members of the Rochester Planning Board, Zoning Board of Adjustment, Conservation Commission, Planning Department, and other pertinent City departments, boards and agencies to enter my property for the purpose of evaluating this application including performing any appropriate inspections during the application phase, review phase, post-approval phase, construction phase, and occupancy phase. This authorization applies specifically to those particular individuals legitimately involved in evaluating, reviewing, or inspecting this specific application/project. It is understood that these individuals must use all reasonable care, courtesy, and diligence when entering the property.

Signature of property owner: 

Date: 3-23-21



BERRY SURVEYING & ENGINEERING

335 Second Crown Point Road

Barrington, NH 03825

Phone: (603) 332-2863

Fax: (603) 335-4623

www.BerrySurveying.Com

crberry@metrocast.net

March 23, 2021

City of Rochester Planning Board
Attention: Chief Planner, Seth Creighton
33 Wakefield Street
Rochester, NH 03867

Re: Site Plan/Excavation
36 Cross Road
Rochester, NH 03867
Tax Map 205, Lot 18

Mr. Creighton,

On behalf of our clients, Thomas & Dianne Aubert, Berry Surveying & Engineering (BS&E) is submitting for TRG, to discuss a proposed site plan.

Background and General Narrative:


Thomas & Dianne Aubert own the parcel known as 36 Cross Road in Rochester, NH (Tax Map 216, Lot 29). Berry Surveying & Engineering has conducted an on-site survey of the parcel which includes a topographic analysis as well as a wetlands analysis. Wetlands were found along the existing stream and pond. The parcel is vacant with an existing traveled way for access. The subject parcel has been used in previous years as a gravel pit.


The Proposal:

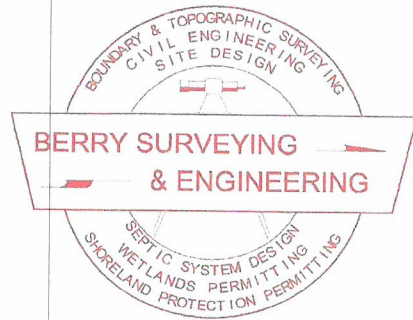
The applicant is proposing to excavate earthen material from the existing gravel pit area. No disturbance is proposed within the wetland buffer. As part of the excavation, proper erosion and sediment control measures will be installed to ensure that all sediment is contained within the construction area.

In addition to site plan approval, the applicant is requesting a special exception to allow for the excavation use within the agricultural zone. A separate application will be submitted to the zoning board of adjustment.

Respectfully submitted,
BERRY SURVEYING & ENGINEERING


Kevin Poulin
Project Engineer


Christopher R. Berry, SIT
Principal, President



BERRY SURVEYING & ENGINEERING

335 Second Crown Point Road

Barrington, NH 03825

Phone: (603) 332-2863

Fax: (603) 335-4623

www.BerrySurveying.Com

March 23, 2021

City of Rochester Planning & Development Department

Attention: Seth Creighton

33 Wakefield Street

Rochester, NH 03867

RE: Trip Generation Summary
Thomas & Dianne Aubert
36 Cross Road Rochester, NH 03868
Tax Map 205, Lot 18

Mr. Creighton,

Pursuant to the City of Rochester Land Site Review Regulations, Berry Surveying & Engineering (BS&E), on behalf of Thomas & Dianne Aubert, has prepared a Trip Generation Summary for the excavation operation at 36 Cross Road. This estimate assumes a full operation for the duration of the project, when in reality it will be operated more sporadically. The following assumptions have been made for peak hour traffic generation during the AM peak hour of 7-9AM and PM peak hour of 4PM to 6 PM:

- Two dump trucks will be operating between the excavation operation and 828 Portland Street (Carole Court).
- According to Google Maps, it is approximately 3.3 miles or 9-10 minutes from 36 Cross Road to 828 Portland Street.
- It is assumed that a dump truck will take 5 minutes to load and unload, making a dump truck cycle approximately 20 minutes long. A dump truck will be able to make 3 cycles per hour.
- During the AM and PM peak hour, two dump trucks will make a combined 6 trips per hour, plus the excavator operator arriving in the AM and departing during the PM.
- This results in the excavation operation generating 7 trips during the AM peak hour and 7 trips during the PM peak hour.
- It is recommended that the existing and surrounding infrastructure will be sufficient to handle the minimal temporary increase in vehicle trips and peak hour and all other hours for Cross Road.

Respectfully Submitted,

BERRY SURVEYING & ENGINEERING

Christopher R. Berry, SIT
Principal, President

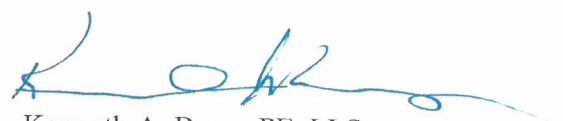

Kenneth A. Berry, PE, LLS,
CPSWQ, CPESC, CESSWI
Principal, VP-Technical Operations

TABLE OF CONTENTS:

SHEET 1 ~ NEIGHBORHOOD PLAN
SHEET 2 ~ EXISTING CONDITIONS PLAN
SHEET 3 ~ GRADING PLAN
SHEET 4 ~ EROSION & SEDIMENT CONTROL PLAN
SHEET 5 ~ E101-SEDIMENT & EROSION DETAILS
SHEET 6 ~ E102-SEDIMENT & EROSION DETAILS

EXCAVATION OPERATION
FOR
THOMAS R. AND DIANNE C. AUBERT
36 CROSS ROAD
ROCHESTER, N.H.
TAX MAP 205, LOT 18

NOTE:

BERRY SURVEYING & ENGINEERING HAS PREPARED AN INSPECTION & MAINTENANCE MANUAL AS PART OF THIS PROJECTS DOCUMENTATION. ALL USERS ARE BOUND TO THIS DOCUMENT AS PART OF THE APPROVAL OF THE PLANNING BOARD. COPIES OF THE YEARLY INSPECTIONS ARE TO BE DELIVERED TO THE CITY OF ROCHESTER COMMUNITY SERVICES DEPARTMENT.

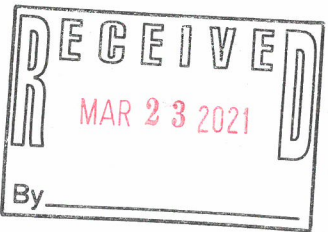
OWNER: THOMAS R. & DIANNE C. AUBERT
5 GARY DR.
ROCHESTER, NH 03867

SURVEYOR OF RECORD: KENNETH A. BERRY, PE, LLS
CPSWQ, CPESC, CESSWI
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825
(603) 332-2863

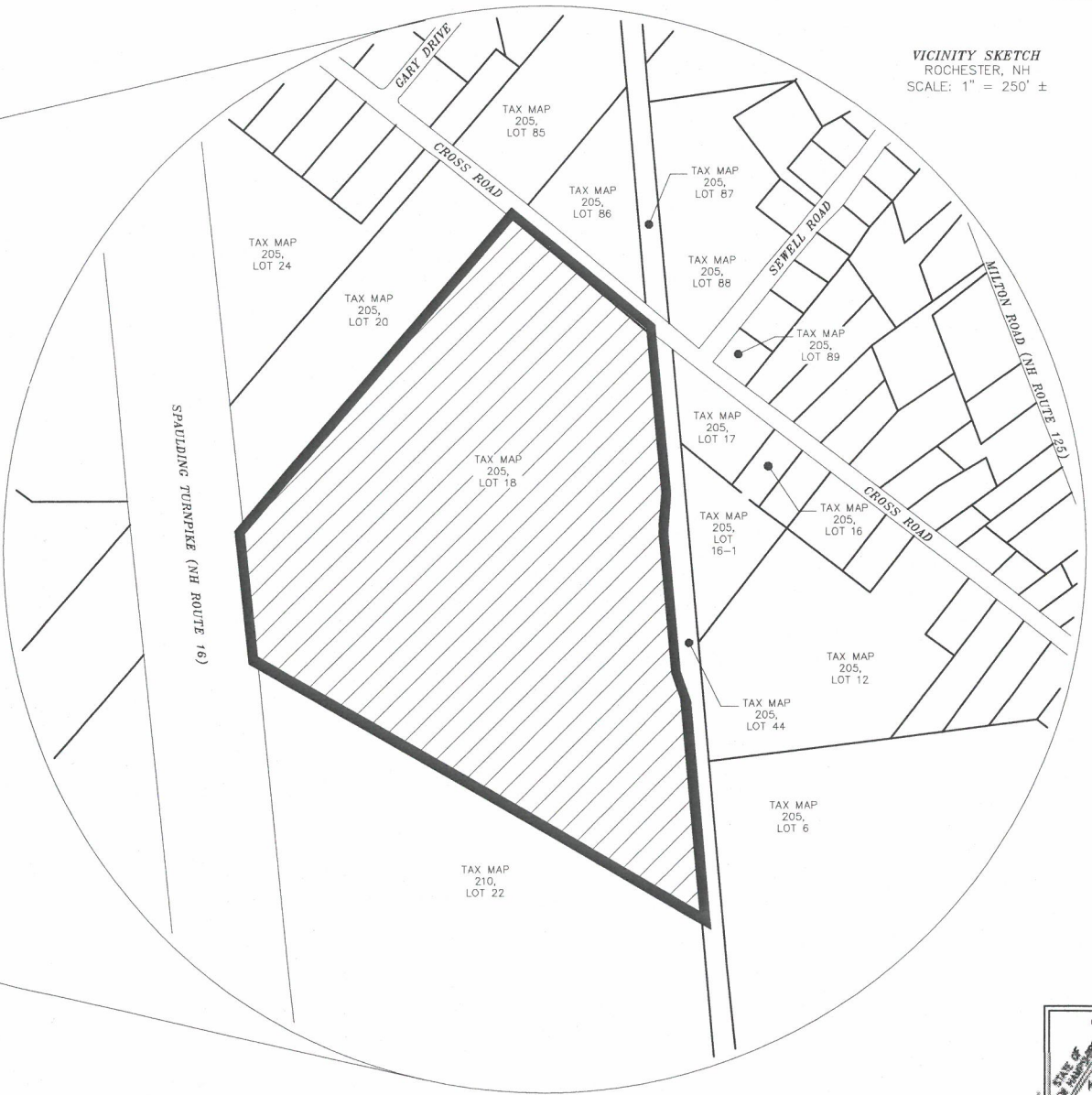
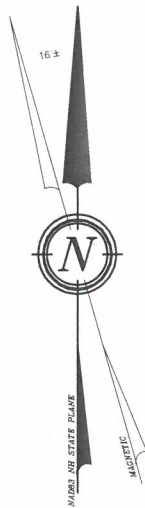
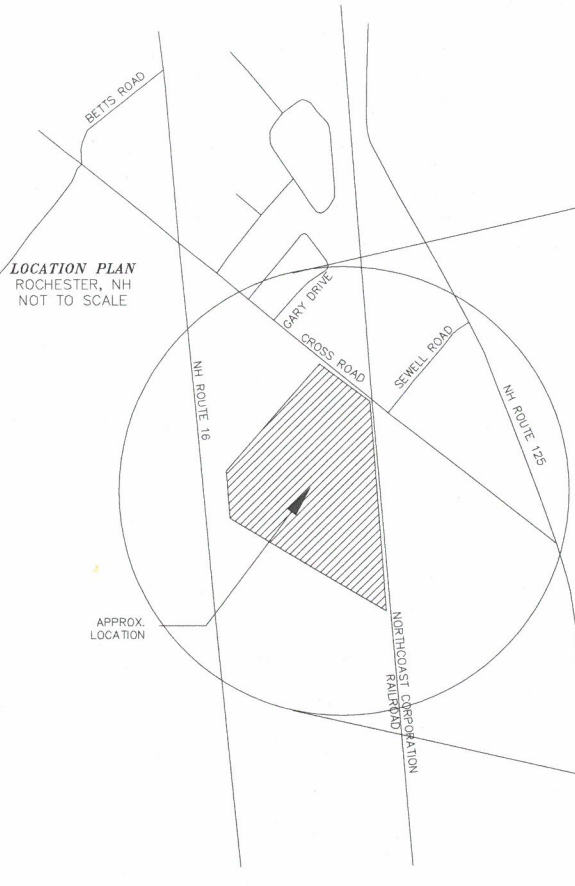
APPLICANT: THOMAS R. & DIANNE C. AUBERT
5 GARY DR.
ROCHESTER, NH 03867

ENGINEER OF RECORD: KENNETH A. BERRY, PE, LLS
CPSWQ, CPESC, CESSWI
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825
(603) 332-2863

WETLAND SCIENTIST: JOHN P. HAYES, III CWS #18, CSS #87
7 LIMESTONE WAY
NORTH HAMPTON, NH 03862
(603)-205-4396



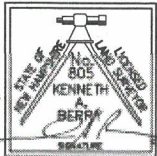
VICINITY SKETCH
ROCHESTER, NH
SCALE: 1" = 250' ±



WHETHER OR NOT OTHERWISE EXPRESSLY RECITED ON THIS SITE PLAN, THE SITE PLAN APPROVAL GRANTED IS CONDITIONED ON FAITHFUL AND DILIGENT ADHERENCE BY THE OWNER/DEVELOPER OF ALL TERMS, CONDITIONS, PROVISIONS AND SPECIFICATIONS OF THE CITY OF ROCHESTER LAND SITE REVIEW REGULATIONS AS AMENDED OR AS MAY LATER BE AMENDED, IN EFFECT ON THE DATE OF APPROVAL, UNLESS OR EXCEPT INsofar AS EXPRESSLY WAIVED, IN ANY PARTICULAR, BELOW, NON - ADHERENCE MAY RESULT IN A REVOCATION OF APPROVAL. ANY VARIATION FROM THE APPROVED PLAN WILL REQUIRE A RESUBMISSION FOR SITE PLAN APPROVAL.

GENERAL PLAN SET NOTES:

- 1.) 11x17" PLANS ARE HALF THE PUBLISHED SCALE.
- 2.) ALL PLANS ARE CONSIDERED TO BE NOT FOR CONSTRUCTION UNLESS THEY CONTAIN THE APPROVAL STAMP OF THE CITY OF ROCHESTER.



BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : AS SHOWN
DATE : MARCH 23, 2021
FILE NO. : DB 2019 - 148

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
No. 805
Professional Engineer

EXCAVATION OPERATION
LAND OF
THOMAS R. & DIANNE C. AUBERT
36 CROSS ROAD
ROCHESTER, N.H.
TAX MAP 205, LOT 18

REVISION	DATE	DESCRIPTION

ABBREVIATION LEGEND:

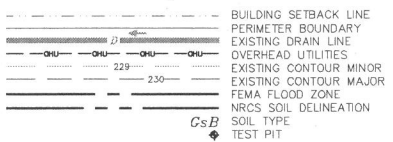
BITUM.	BITUMINOUS
E.O.P.	EDGE OF PAVEMENT
E.S.H.W.T.	ESTIMATED SEASONAL HIGH WATER TABLE
TYP.	TYPICAL
U.G.E.	UNDER GROUND ELECTRIC / UTILITY
U.D.	UNDER DRAIN
C.O.	CLEAN OUT
INV.	INVERT
ELEV.	ELEVATION
F.E.S.	FLARED END SECTION
HDPE	HIGH DENSITY POLYETHYLENE
RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE
RECB	ROLLED EROSION CONTROL BLANKET
F.G.	FINISHED GRADE
E.G.	EXISTING GRADE
E.T.W.	EDGE OF TRAVELED WAY
T.B.R.	TO BE REMOVED
PL	PROPERTY LINE
EL	EASEMENT LINE
R.O.W.	RIGHT OF WAY
CL	CENTER LINE
CF	CUBIC FEET
P.C.	POINT OF CURVATURE
P.T.	POINT OF TANGENCY
P.V.C.	POINT OF VERTICAL CURVATURE
P.V.I.	POINT OF VERTICAL INTERSECTION
P.V.T.	POINT OF VERTICAL TANGENCY
EX.	EXISTING
PROP.	PROPOSED
R&R	REMOVE AND REPLACE
STA.	STATION
'/	FOOT / FOOT

SSL () ~ [SIZE]	SINGLE SOLID LINE (COLOR W=WHITE, Y=YELLOW)
DSL () ~ [SIZE]	DOUBLE SOLID LINE (COLOR W=WHITE, Y=YELLOW)
SSB () ~ [SIZE]	SINGLE SOLID W/ BROKEN LINE (COLOR W=WHITE, Y=YELLOW)
SBL () ~ [SIZE]	SINGLE BROKEN LINE (COLOR W=WHITE, Y=YELLOW)
DBL () ~ [SIZE]	DOUBLE BROKEN LINE (COLOR W=WHITE, Y=YELLOW)

EXISTING LEGEND:

- IRON BOUND ~FND~
- STEEL STAKE ~FND~
- NHHD GRANITE BOUND ~FND~
- UTILITY POLE / GUY WIRE

EXISTING SPOT ELEVATION



PROPOSED LEGEND:

- CHECK DAM-MATERIAL AS SPECIFIED
- FLOW ARROW

- TEMPORARY BENCHMARK (T.B.M.)

- DETAIL SHEET / DETAIL

- WATCH POINT
- WATCH LINE
- CONTOUR MINOR, PROPOSED
- CONTOUR MAJOR, PROPOSED
- BUILDING/WETLAND SETBACK LINE
- UNDER DRAIN
- SILT FENCE / EROSION MIX BERM
- FILTREXX 8" - 12" SILT SOXX AS SPECIFIED
- ORANGE CONSTRUCTION PERIMETER FENCE

ABUTTERS WITHIN 200':

- N/F PUBLIC SERVICE OF NH & EVERSOURCE ENERGY DBA
PO BOX 270
HARTFORD, CT 06141-0270
TAX MAP 205 LOT 20
UTILITY USE
- N/F 40 CROSS LLC
679 1ST NH TURNPIKE
NORTHWOOD, NH 03261-3304
TAX MAP 205 LOT 21
S.C.R.D. BOOK 4581, PAGE 212
COMMERCIAL USE
- N/F PUBLIC SERVICE OF NH & EVERSOURCE ENERGY DBA
PO BOX 270
HARTFORD, CT 06141-0270
TAX MAP 205 LOT 85
UTILITY USE
- N/F CITY OF ROCHESTER
31 WAKEFIELD STREET
ROCHESTER, NH 00000
TAX MAP 205 LOT 86
S.C.R.D. BOOK 909, PAGE 287
VACANT LAND
- N/F OSSIPEE AGGREGATES CORPORATION
77 NORTHCOAST DRIVE
OSSIPEE, NH 03864
TAX MAP 205 LOT 87
S.C.R.D. BOOK 1706, PAGE 532
VACANT LAND
- N/F WILLIAM SEWELL
329 UPPER GUINEA ROAD
LEBANON, ME 04027-4404
TAX MAP 205-088
VACANT LAND

ABUTTERS WITHIN 200' CONT.:

- BOUGHARD, ROBERT L. & DONNA L.
31 CROSS ROAD
ROCHESTER, NH 03868-8601
TAX MAP 205 LOT 89
S.C.R.D. BOOK 731, PAGE 99
RESIDENTIAL USE
- N/F DWIGHT K. RAAB
PO BOX 6416
ROCHESTER, NH 03868-6416
TAX MAP 205 LOT 17
S.C.R.D. BOOK 1292, PAGE 283
RESIDENTIAL USE
- N/F BARBARA GERRY & DAVID W. GILMAN
24 CROSS ROAD
ROCHESTER, NH 03868-8600
TAX MAP 205 LOT 16
S.C.R.D. BOOK 2112, PAGE 726
RESIDENTIAL USE
- N/F DAVID W. GILMAN
24 CROSS ROAD
ROCHESTER, NH 03868-8600
TAX MAP 205 LOT 16-1
S.C.R.D. BOOK 2112, PAGE 725
VACANT LAND
- N/F IZA M. SEEKINS
14 CROSS ROAD
ROCHESTER, NH 03868-8600
TAX MAP 205 LOT 12
S.C.R.D. BOOK 994, PAGE 934
RESIDENTIAL USE
- N/F EIP AMAROSA DRIVE LLC
PO BOX 1083
HICKSVILLE, NY 11802-1083
TAX MAP 205 LOT 8
S.C.R.D. BOOK 4317, PAGE 802
COMMERCIAL USE

ABUTTERS WITHIN 200' CONT.:

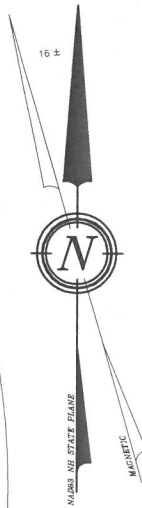
- N/F NH NORTHCOAST CORP.
31 CROSS ROAD
OSSIPEE, NH 03864
TAX MAP 270 LOT 14
S.C.R.D. BOOK 1706, PAGE 532
RAILROAD
- N/F OSSIPEE AGGREGATES CORPORATION
77 NORTHCOAST DRIVE
OSSIPEE, NH 03864
TAX MAP 270 LOT 22
S.C.R.D. BOOK 1482, PAGE 292
VACANT LAND

TEST PIT DATA

- TEST PIT #1
0-6" 10YR 4/3 LOAMY SAND, GRANULAR, FRIABLE
6-20" 10YR 5/6 SAND, GRANULAR, FRIABLE
20-32" 10YR 5/4 GRAVELLY SAND, SINGLE GRAIN, LOOSE
32-72" 2.5Y 3/3 GRAVELLY COARSE SAND W/ REDOX PRESENT, SINGLE GRAIN, LOOSE
- TERMINATED: 72"
E.S.H.W.T.: 32"
RESTRICTIVE LAYER: N/A
REFUSAL: N/A
GROUND WATER OBSERVED: 50"
- TEST PIT #2
0-15" 10YR 5/4 SAND, GRANULAR, FRIABLE
15-18" 10YR 3/2 LOAMY SAND, GRANULAR, FRIABLE
18-22" 2.5Y 5/4 GRAVELLY SAND, SINGLE GRAIN, LOOSE
22-70" 2.5Y 3/3 GRAVELLY COARSE SAND W/ REDOX PRESENT, SINGLE GRAIN, LOOSE
- TERMINATED: 70"
E.S.H.W.T.: 22"
RESTRICTIVE LAYER: N/A
REFUSAL: N/A
GROUND WATER OBSERVED: 42"
- TEST PIT #3
0-8" 10YR 4/3 LOAMY SAND, GRANULAR, FRIABLE
8-16" 10YR 5/4 SAND, SINGLE GRAIN, LOOSE
16-65" 2.5Y 5/3 SAND W/ REDOX PRESENT, SINGLE GRAIN, LOOSE
- TERMINATED: 65"
E.S.H.W.T.: 16"
RESTRICTIVE LAYER: N/A
REFUSAL: N/A
GROUND WATER OBSERVED: 30"
- TEST PIT #4
0-18" 10YR 4/3 SAND, SINGLE GRAIN, LOOSE
18-28" 10YR 5/4 SAND, GRANULAR, FRIABLE
28-72" 2.5Y 5/3 SAND W/ REDOX PRESENT, SINGLE GRAIN, LOOSE
- TERMINATED: 72"
E.S.H.W.T.: 18"
RESTRICTIVE LAYER: N/A
REFUSAL: N/A
GROUND WATER OBSERVED: 34"
- TEST PIT #5
0-5" 10YR 4/3 LOAMY SAND, GRANULAR, FRIABLE
5-18" 7.5YR 5/6 GRAVELLY LOAMY SAND, GRANULAR, FRIABLE
18-24" 10YR 5/4 GRAVELLY SAND, SINGLE GRAIN, LOOSE
24-72" 2.5Y 5/3 GRAVELLY COARSE SAND W/ REDOX PRESENT, SINGLE GRAIN, LOOSE
- TERMINATED: 72"
E.S.H.W.T.: 24"
RESTRICTIVE LAYER: N/A
REFUSAL: N/A
GROUND WATER OBSERVED: 40"
- TEST PIT #6
0-24" 10YR 4/3 LOAMY SAND, GRANULAR, FRIABLE
24-28" 2.5Y 5/4 SAND, SINGLE GRAIN, LOOSE
28-78" 2.5Y 5/3 SAND W/ REDOX PRESENT, SINGLE GRAIN, LOOSE
- TERMINATED: 78"
E.S.H.W.T.: 28"
RESTRICTIVE LAYER: N/A
REFUSAL: N/A
GROUND WATER OBSERVED: 46"
- TEST PIT #7
0-12" 10YR 4/3 LOAMY SAND, GRANULAR, FRIABLE
12-18" 10YR 5/6 LOAMY SAND W/ REDOX PRESENT, GRANULAR, FRIABLE
18-30" 10YR 5/4 GRAVELLY SAND, SINGLE GRAIN, LOOSE
30-78" 2.5Y 5/3 GRAVELLY COARSE SAND W/ REDOX PRESENT, SINGLE GRAIN, LOOSE
- TERMINATED: 78"
E.S.H.W.T.: 30"
RESTRICTIVE LAYER: N/A
REFUSAL: N/A
GROUND WATER OBSERVED: 46"
- TEST PIT #8
0-20" 10YR 4/3 LOAMY SAND, GRANULAR, FRIABLE
20-42" 2.5Y 5/3 GRAVELLY SAND W/ REDOX PRESENT, SINGLE GRAIN, LOOSE
42-70" 2.5Y 3/3 VERY FINE SAND W/ REDOX PRESENT, MASSIVE, FIRM
- TERMINATED: 70"
E.S.H.W.T.: 20"
RESTRICTIVE LAYER: 42"
REFUSAL: N/A
GROUND WATER OBSERVED: 40"



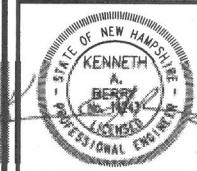
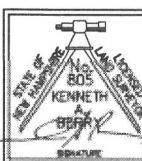
GIS SKETCH
ROCHESTER, NH
SCALE: 1" = 400' ±

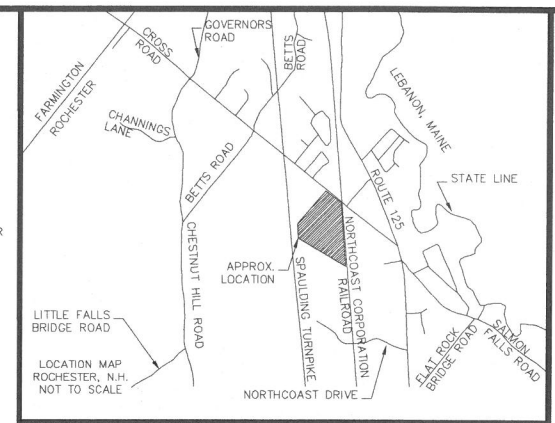
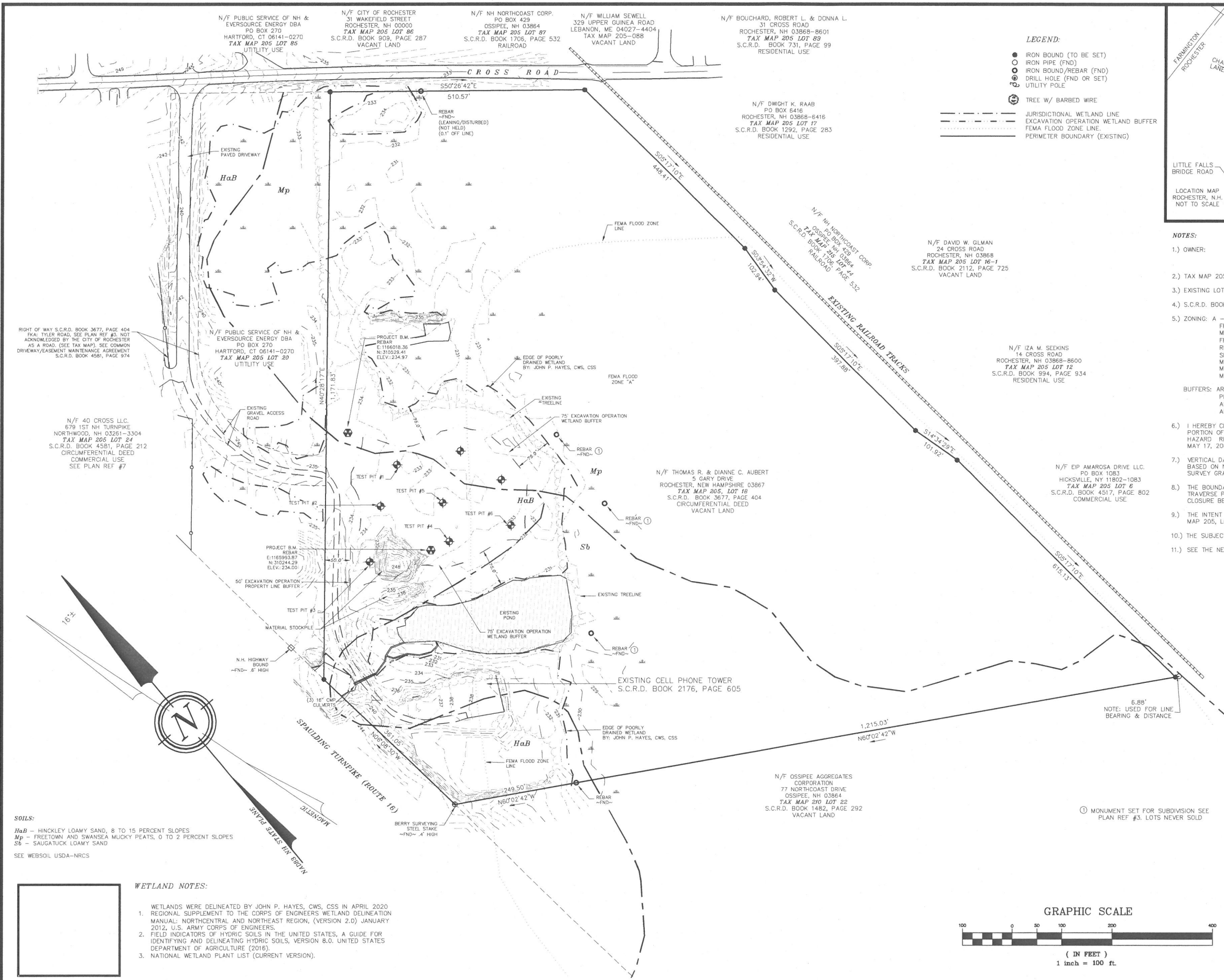


REVISION	DATE	DESCRIPTION

NEIGHBORHOOD PLAN LAND OF THOMAS R. & DIANNE C. AUBERT 36 CROSS ROAD ROCHESTER, N.H. TAX MAP 205, LOT 18

BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT ROAD BARRINGTON, NH 03825 (603) 332-2863
SCALE : AS SHOWN
DATE : MARCH 23, 2021
FILE NO. : DB 2019 - 148





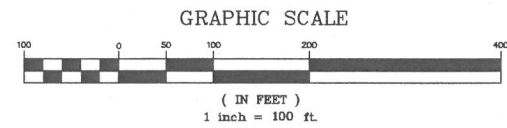
- NOTES:**
- 1.) OWNER: THOMAS R. & DIANNE C. AUBERT
5 GARY DR
ROCHESTER, NH 03867
 - 2.) TAX MAP 205, LOT 18
 - 3.) EXISTING LOT AREA: 1,503,971 Sq.Ft., 34.53 Ac.
 - 4.) S.C.R.D. BOOK 3677, PAGE 404
 - 5.) ZONING: A - AGRICULTURAL (NEITHER MUNICIPAL WATER OR SEWER)
FRONTAGE ~ 150'
MINIMUM LOT SIZE ~ 45,000 Sq. Ft.
FRONT SETBACK ~ 20'
REAR SETBACK ~ 10.0'
SIDE SETBACK ~ 20'
MAX. LOT COVERAGE ~ 40%
MAX. BUILDING FOOTPRINT ~ 30%
MAX. BUILDING HEIGHT ~ 35'
 - 6.) I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE & BELIEF, A PORTION OF THIS PARCEL DOES FALL WITHIN THE FLOOD PLAIN FLOOD HAZARD REF.: FEMA COMMUNITY #330150, MAP #33017C02010, DATED MAY 17, 2005.
 - 7.) VERTICAL DATUM BASED ON NAVD88 ELEVATIONS. HORIZONTAL COORDINATES BASED ON NAD83. COORDINATES GATHERED USING TOPCON HIPER SR SURVEY GRADE GPS RECEIVERS.
 - 8.) THE BOUNDARY LINES SHOWN ON THIS PLAN ARE THE RESULT OF A CLOSED TRAVERSE PERFORMED BY THIS OFFICE IN 2019, WITH AN ERROR OF CLOSURE BETTER THAN 1 PART IN 10,000
 - 9.) THE INTENT OF THIS PLAN IS TO SHOW THE EXISTING CONDITIONS OF TAX MAP 205, LOT 18 AS OF THE DATE OF THIS PLAN.
 - 10.) THE SUBJECT PARCEL IS NOT SERVICED BY PUBLIC WATER OR SEWER.
 - 11.) SEE THE NEIGHBORHOOD PLAN FOR TEST PIT DATA.

PLAN REFERENCES:

- 1.) "PLAN OF LAND FOR GEORGIANNA BERRY CROSS ROAD ROCHESTER, N.H."
BY: BERRY CONSTRUCTION CO., INC.
DATED: JANUARY 6, 1983
FILE NUMBER: DB 1983-001
- 2.) "LAND PURCHASED FROM: GEORGIANNA & BERNARD BERRY IN THE TOWN OF: ROCHESTER, NH"
BY: PUBLIC SERVICE CO. OF NEW HAMPSHIRE ENGINEERING DEPARTMENT.
DATED: MAY, 1967
S.C.R.D.: BOOK # 832, PAGE # 263
- 3.) "SUBDIVISION PLAN KITNER INDUSTRIAL PARK ROCHESTER, NH 03867 TAX MAP 3 LOTS 100 & 120"
BY: KITNER ASSOCIATES.
DATED: OCTOBER 13, 1987
S.C.R.D.: PLAN # 34A-35
- 4.) "RIGHT-OF-WAY AND TRACK MAP BOSTON AND MAINE R.R. OPERATED BY THE BOSTON AND MAINE R.R. STATION 824-70 TO STATION 877-50"
BY: BOSTON AND MAINE R.R. OFFICE OF VALUATION ENGINEER.
DATED: JUNE 30, 1914
- 5.) "RIGHT-OF-WAY AND TRACK MAP BOSTON AND MAINE R.R. OPERATED BY THE BOSTON AND MAINE R.R. STATION 771-90 TO STATION 824-70"
BY: BOSTON AND MAINE R.R. OFFICE OF VALUATION ENGINEER.
DATED: JUNE 30, 1914
- 6.) "INDUSTRIAL PARK SUBDIVISION ROCHESTER, N.H. FOR FRANK L. KNIGHTS"
BY: NORWAY PLAINS SURVEY ASSOCIATES, INC.
DATED: APRIL 28, 1987
S.C.R.D.: PLAN # 37A-11
- 6.) "SUBDIVISION OF LAND ROCHESTER, NH FOR: NORBERT R. THERRIEN"
BY: JOHN W. DURGIN ASSOCIATES, INC.
DATED: JULY, 1982
S.C.R.D.: PLAN # 23-84

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.

KENNETH A. BERRY L.L.S. 805 DATE



SOILS:
HaB - HINCKLEY LOAMY SAND, 8 TO 15 PERCENT SLOPES
Mp - FREETOWN AND SWANSEA MUCKY PEATS, 0 TO 2 PERCENT SLOPES
Sb - SAUGATUCK LOAMY SAND
SEE WEBSOIL USDA-NRCS

WETLAND NOTES:

1. WETLANDS WERE DELINEATED BY JOHN P. HAYES, CWS, CSS IN APRIL 2020 REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS WETLAND DELINEATION MANUAL: NORTHEASTAL AND NORTHEAST REGION, (VERSION 2.0) JANUARY 2012, U.S. ARMY CORPS OF ENGINEERS.
2. FIELD INDICATORS OF HYDRIC SOILS IN THE UNITED STATES, A GUIDE FOR IDENTIFYING AND DELINEATING HYDRIC SOILS, VERSION 8.0. UNITED STATES DEPARTMENT OF AGRICULTURE (2016)
3. NATIONAL WETLAND PLANT LIST (CURRENT VERSION).

JOHN P. HAYES, III CWS #18

REVISION	DATE	DESCRIPTION

EXISTING CONDITIONS PLAN
LAND OF
THOMAS R. & DIANNE C. AUBERT
36 CROSS ROAD
ROCHESTER, N.H.
TAX MAP 205, LOT 18

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)352-2863
SCALE : 1 IN. EQUALS 100 FT.
DATE : MARCH 23, 2021
FILE NO. : DB 2019 - 148

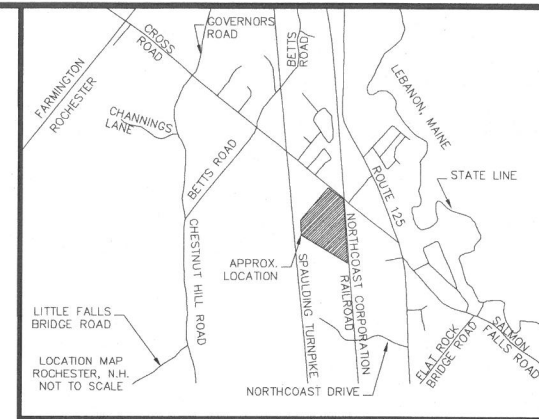
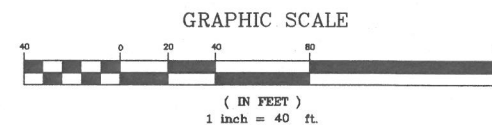
SIGNATURE
K. BERRY

SHEET 2 OF 6



STANDARD CONSTRUCTION NOTES:

- 1.) OWNER & APPLICANT: THOMAS R. & DIANNE C. AUBERT
5 GARY DR
ROCHESTER, NH 03867
- 2.) TAX MAP 205, LOT 18
- 3.) EXISTING LOT AREA: 1,503,971 Sq.Ft., 34.53 Ac.
- 4.) S.C.R.D. BOOK 3677, PAGE 404
- 5.) BUFFERS: ARTICLE 22.3.D.4.a-d
PROPERTY LINE ~ 50'
ANY PERENNIAL WETLAND OR STREAM ~ 75'
BUFFERS SPECIFIED IN ARTICLE 12 ARE LESS RESTRICTIVE
ADJACENT STRUCTURE ~ 100'
- 6.) THE INTENT OF THIS PLAN IS TO PROVIDE A VIEW OF THE SITE GRADING ASSOCIATED WITH THE EXCAVATION OPERATION.
- 7.) EXISTING CONDITIONS INFORMATION IS BASED ON A SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING AND IS ENCLOSED IN THIS PACKAGE.
- 8.) THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH NHDOT STANDARD SPECIFICATIONS DATED 2016. CURRENT STANDARD PLANS, SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.
- 9.) AS-BUILT PLANS OF THE SITE SHALL BE SUBMITTED ON A REPRODUCIBLE MYLAR MEDIUM AND IN A DIGITAL DXF FORMAT ON DISK TO THE TOWN OF CANDIA UPON COMPLETION OF PROJECT. AS-BUILT PLANS SHALL BE PREPARED AND CERTIFIED CORRECT BY A L.L.S. OR P.E.
- 10.) TOPOGRAPHIC SURVEY PERFORMED BY BERRY SURVEYING & ENGINEERING IN SUMMER 2019.
- 11.) DATUM: PROJECT DATUM IS BASED ON GPS COORDINATES ESTABLISHED WITH A TOPCON HIPER SR RECEIVER IN SUMMER 2018 AND REPRESENTED IN NEW HAMPSHIRE STATE PLANE COORDINATES NAD 1983 AND VERTICALLY BY NAVD 1988.
- 12.) UNDERGROUND UTILITY LOCATIONS ARE BASED UPON BEST AVAILABLE EVIDENCE AND ARE NOT FIELD VERIFIED. LOCATING AND PROTECTING ANY ABOVE AND BELOW GROUND UTILITIES IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY UTILITY CONFLICTS SHOULD BE REPORTED IMMEDIATELY TO THE DESIGN ENGINEER.
- 13.) THE CONTRACTOR SHALL CALL AND COORDINATE WITH DIGSAFE 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO COMMENCING ANY EXCAVATION ON PUBLIC OR PRIVATE PROPERTY.
- 14.) SEE DETAILS CONCERNING SEDIMENT AND EROSION CONTROLS.
- 15.) AREAS OUTSIDE THE LIMITS OF PROPOSED WORK DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. THE GRADING SHOWN IS THE LIMIT OF ALLOWED DISTURBANCE. LIMIT OF DISTURBANCE CAN NOT BE INCREASED WITHOUT REQUIRING OF AN ALTERATION OF TERRAIN (AOT) PERMIT. SEE ALSO E&SC PLAN.
- 16.) ALL EARTH EXCAVATION SHALL CONFORM TO THE REQUIREMENTS OF RSA 155-E.
- 17.) CONTRACTOR SHALL TAKE SPECIAL CARE IN NOT DISTURBING EXISTING MONUMENTS BOUNDS, AND OR BENCHMARKS WITHOUT FIRST MAKING PROVISIONS FOR RELOCATION.
- 18.) ALL DISTURBED AREAS SHALL HAVE LOAM PLACED AND SEEDED. THE LOAM SHALL HAVE A MINIMUM DEPTH OF 4 INCHES.
- 19.) ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO APPLICABLE TOWN AND STATE CODES.
- 20.) SEE CONSTRUCTION DETAILS FOR ALL REQUIRED BLASTING & CONSTRUCTION NOTES.
- 21.) THIS EXCAVATION PLAN PROPOSES 82,500 Sq. Ft. (1.89 Ac.) OF DISTURBANCE. AN AOT PERMIT IS NOT REQUIRED.
- 22.) SEE NEIGHBORHOOD PLAN FOR TEST PIT DATA.

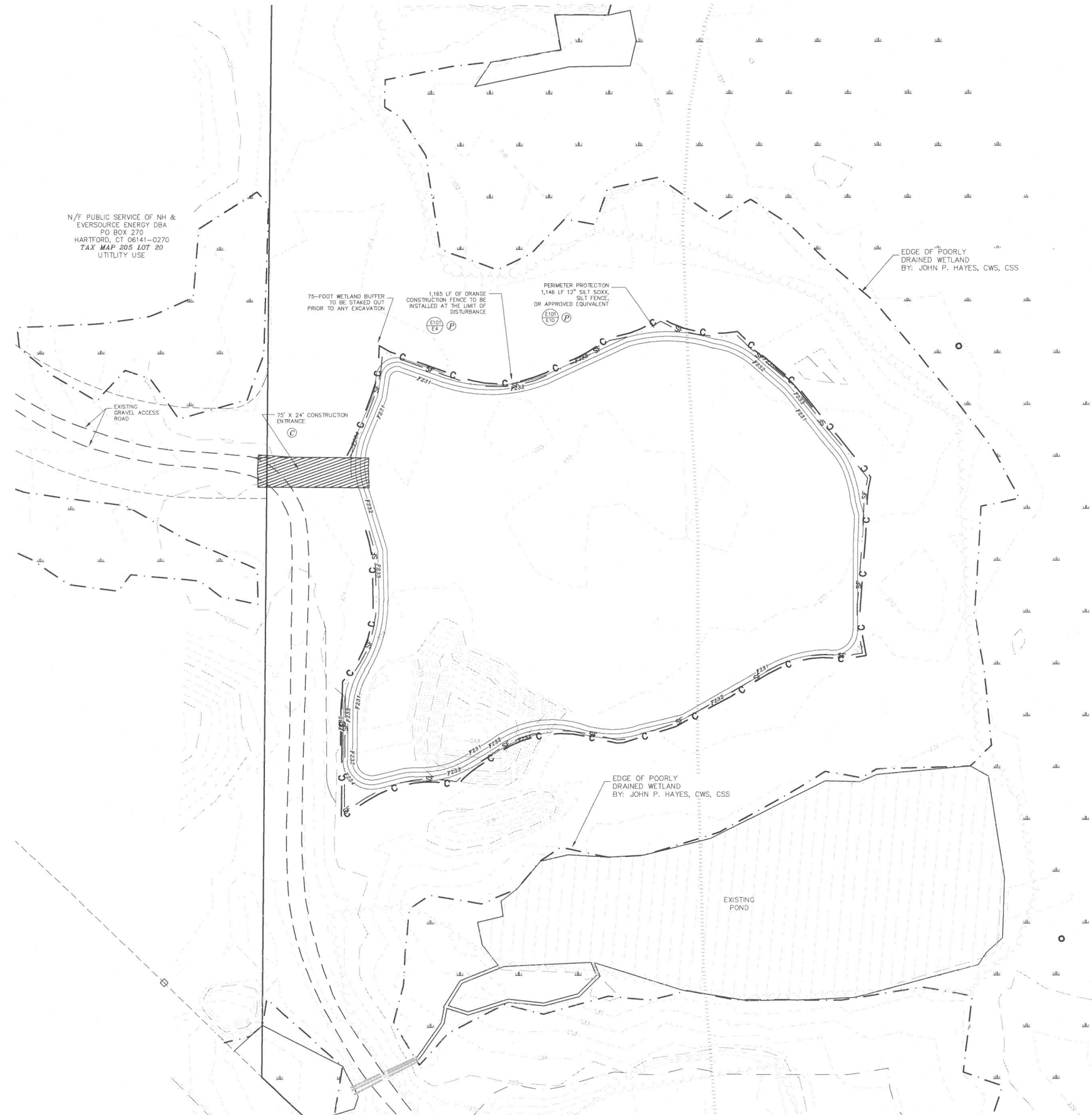


REVISION	DATE	DESCRIPTION

EXCAVATION GRADING PLAN LAND OF THOMAS R. & DIANNE C. AUBERT 36 CROSS ROAD ROCHESTER, N.H. TAX MAP 205, LOT 18

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : 1 IN. EQUALS 30 FT.
DATE : MARCH 23, 2021
FILE NO. : DB 2019 - 148

STATE OF NEW HAMPSHIRE
KENNETH A. BERRY
LICENSED PROFESSIONAL ENGINEER



N/F PUBLIC SERVICE OF NH &
EVERSOURCE ENERGY DBA
PO BOX 270
HARTFORD, CT 06141-0270
TAX MAP 205 LOT 20
UTILITY USE

75-FOOT WETLAND BUFFER
TO BE STAKED OUT
PRIOR TO ANY EXCAVATION

1.165 LF OF ORANGE
CONSTRUCTION FENCE TO BE
INSTALLED AT THE LIMIT OF
DISTURBANCE

PERIMETER PROTECTION
1.146 LF 12" SILT SOXX
SILT FENCE,
OR APPROVED EQUIVALENT

EDGE OF POORLY
DRAINED WETLAND
BY: JOHN P. HAYES, CWS, CSS

EDGE OF POORLY
DRAINED WETLAND
BY: JOHN P. HAYES, CWS, CSS

EXISTING POND

NOTES:

- 1.) OWNER: THOMAS R. & DIANNE C. AUBERT
5 GARY DRIVE
ROCHESTER, NH 03867
- 2.) TAX MAP 205, LOT 18
- 3.) EXISTING LOT AREA: 1,503,971 Sq.Ft., 34.53 Ac.
- 4.) S.C.R.D. BOOK 3677, PAGE 404
- 5.) THE INTENT OF THIS PLAN IS TO SHOW THE EROSION & SEDIMENT CONTROL MEASURES FOR THE EXCAVATION OPERATION LOCATED AT TAX MAP 205, LOT 18.
- 6.) UPON FINAL COMPLETION AND 85% STABILIZATION, THE DRAINAGE SYSTEM IS TO BE CLEANED OF ALL DEBRIS. SEDIMENT CONTROL PRACTICES REMOVED AND DISPOSED OF PROPERLY, AND ANNUAL MAINTENANCE PERFORMED ON ALL DRAINAGE PRACTICES.
- 7.) EROSION AND SEDIMENT CONTROL INSPECTIONS TO BE CONDUCTED ONCE PER EVERY SEVEN DAYS AND AT AN INCREASED FREQUENCY INCLUDING WITHIN 24-HOURS OF A 0.25 INCH RAIN EVENT. INSPECTIONS TO BE CONDUCTED BY A "QUALIFIED PERSON" AS DEFINED BY EPA CGP 4.1.1 AND INSPECTION REPORTS SUBMITTED TO THE CITY OF DOVER, NH, ENGINEERING DEPARTMENT WITHIN 24 HOURS IN ACCORDANCE WITH CGP 4.1.7 AND MAINTAINED BY THE OWNER FOR A PERIOD OF THREE YEARS AFTER THE PROJECT IS COMPLETED. SEE ALSO CITY OF ROCHESTER ADDITIONAL INSPECTION REQUIREMENTS BELOW.
- 8.) SILT FENCE MAY BE SUBSTITUTED WITH FILTREXX SILT SOXX OR EROSION CONTROL MIX BERM. SILT FENCE IS NOT A SUBSTITUTE FOR FILTREXX SILT SOXX OR APPROVED EQUAL.
- 9.) PER EPA CGP Z.1.2.2 (INSTALL PERIMETER CONTROL), "YOU MUST INSTALL SEDIMENT CONTROLS ALONG THOSE PERIMETER AREAS OF YOUR SITE THAT WILL RECEIVE STORMWATER FROM EARTH DISTURBING ACTIVITIES." AS A RESULT OF SWPPP INSPECTIONS, THE CONTRACTOR MAY HAVE TO EXPAND PERIMETER CONTROLS TO MEET THIS REQUIREMENT. THE E&SC PLAN IS INITIAL GUIDANCE AS TO THE ANTICIPATED REQUIREMENTS AND IT THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT STORMWATER VIOLATION DO NOT OCCUR.
- 10.) CITY OF ROCHESTER: IN ACCORDANCE WITH STORMWATER REGULATIONS THE FOLLOWING STORMWATER MEASURES ARE REQUIRED.
 - A.) ALL PROPOSED BMPs WILL CONFORM TO THE NH STORMWATER MANUAL VOLUME 3.
 - B.) EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SOIL LAND DISTURBANCE AND MUST BE REVIEWED AND APPROVED BY COMMUNITY SERVICE.
 - C.) TEMPORARY STABILIZATION MEASURES SHOULD BE IN PLACE WITHIN SEVEN CALENDAR DAYS FOR EXPOSED SOILS AREAS THAT ARE WITHIN ONE HUNDRED FEET OF A SURFACE WATER BODY OR A WETLAND AND NO MORE THAN 14 CALENDAR DAYS FOR ALL OTHER AREAS. PERMANENT STABILIZATION SHOULD BE IN PLACE WITHIN THREE CALENDAR DAYS FOLLOWING COMPLETION OF FINAL GRADING OF EXPOSED SOIL AREAS.
 - D.) ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED IN FUNCTIONING CONDITION UNTIL FINAL STABILIZATION IS ACCOMPLISHED.
 - E.) DEPARTMENT OF PUBLIC WORKS OR THEIR DESIGNATED AGENT SHALL HAVE ACCESS TO THE SITE TO COMPLETE ROUTINE INSPECTIONS AND SHALL BE NOTIFIED 24-HOURS PRIOR TO INSTALLATION OF A STORMWATER BMP IN ORDER TO SCHEDULE AN INSPECTION, DURING NORMAL WORKING HOURS.
 - F.) THE PLANNING BOARD OR DPW MAY REQUIRE THE DESIGN ENGINEER AND/OR AN INDEPENDENT, THIRD-PARTY INSPECTION AND OVERSIGHT OF THE CONSTRUCTION OF STORMWATER MANAGEMENT FACILITIES AND EROSION AND SEDIMENT CONTROL AT THEIR DISCRETION. THE OWNER / APPLICANT IS RESPONSIBLE FOR ALL FEES ASSOCIATED WITH INSPECTIONS.
 - G.) ALL SWPPP INSPECTIONS MUST BE CONDUCTED BY A QUALIFIED PROFESSIONAL SUCH AS A PROFESSIONAL ENGINEER (PE), A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), A CERTIFIED EROSION SEDIMENT AND STORMWATER INSPECTOR (CESSWI), OR A CERTIFIED PROFESSIONAL IN STORMWATER QUALITY (CPSWQ). INSPECTION REPORTS WILL BE SUBMITTED TO THE DPW ENGINEERING DEPARTMENT.
- 11.) CONTRACTOR IS REQUIRED TO UTILIZE A CONSTRUCTION ENTRANCE.
- 12.) CONTRACTOR IS RESPONSIBLE FOR CLEANING AND MAINTAINING THE PERIMETER PROTECTION ONCE INSTALLED.
- 13.) FUGITIVE DUST IS TO BE CONTROLLED THROUGHOUT THE CONSTRUCTION PROCESS IN ACCORDANCE WITH ENV-A 1000.
- 14.) CONTRACTOR IT TO MEET THE REQUIREMENTS SPECIFIED IN RSA 430:51-57 AND AGR 3800, RELATING TO INVASIVE SPECIES.
- 15.) CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE WATER QUALITY FROM ANY RUN OFF DURING THE CONSTRUCTION PROCESS, IN ACCORDANCE WITH ENV-WQ 1507, IN ORDER TO PREVENT VIOLATIONS OF THE STORM WATER QUALITY STANDARDS.

SOILS & DEWATERING:

HaB HINKLEY SILT LOAM K= 0.17

SEE WEBSOIL USDA-NRCS
ERODIBILITY FACTOR - K, CPESC MANUAL, ENVROCERT INTERNATIONAL INC., STATE OF NY EROSION & SEDIMENT CONTROL MANUAL, AND ROCKINGHAM COUNTY SOIL SURVEY, ROCKWEB SOIL ATTRIBUTES.

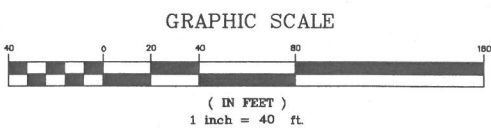
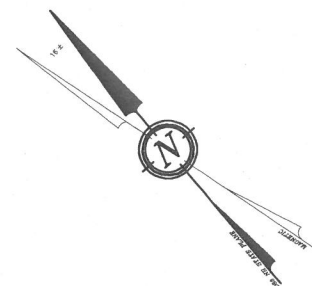
CONTRACTOR TO BE AWARE OF THE SOIL PROFILES AND ENSURE THAT PROPER EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ARE TAKEN AT ALL TIMES. ANY DEWATERING REQUIREMENTS IN NEW HAMPSHIRE REQUIRE SPECIAL PROVISIONS IN ACCORDANCE WITH THE "CLARIFICATION OF SECTION 9.1.2 (STATE OF NEW HAMPSHIRE CONDITIONS) AND OTHER NH SPECIFIC INFORMATION FOR THE U.S. EPA 2012 NPDES CONSTRUCTION GENERAL PERMIT (CGP)" DATED MAY 3, 2012 INCLUDED IN THE SWPPP.

COVER MANAGEMENT DURING CONSTRUCTION FOR EXPOSED SOIL WILL INCLUDE HAY / STRAW APPLIED AT A RATE OF 2.0 TONS PER ACRE, TEMPORARY SEEDING OF ANNUAL RYE GRASS, AND PERMANENT SEEDING AT THE EARLIEST OPPORTUNITY. SEE ADDITIONAL REQUIREMENT FOR STABILIZATION ON THE EROSION AND SEDIMENT CONTROL DETAIL SHEETS, E-101 AND E-102.

THE CONSTRUCTION SCHEDULE WILL BE MANAGED SO THAT ALL STORMWATER STRUCTURES WILL BE BUILT AND STABILIZED PRIOR TO RECEIVING SURFACE WATER RUNOFF. CONTRACTOR TO BE RESPONSIBLE FOR ALL DIVERSIONS DURING CONSTRUCTION AND FOR INTERIM SEDIMENT AND EROSION CONTROL MEASURES.

LEGEND:

- ⊙ BMP / SUBSURFACE GRAVEL WETLAND PROTECTION
- ⊙ PERIMETER CONTROL
- ⊙ RESIDENTIAL/ROADWAY CONSTRUCTION
- ⊙ IRON PIPE (FND)
- ⊙ IRON BOUND (FND)
- ⊙ REBAR (FND)
- ⊙ UTILITY POLE
- ⊙ GUY WIRE
- ⊙ BENCH MARK
- SF — SILT FENCE
- SS — SS — FILTREXX SILT SOXX
- C — C — TREE LINE
- C — C — CONSTRUCTION FENCE



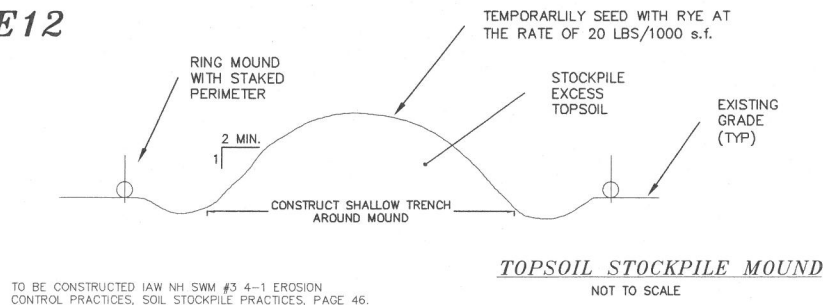
EROSION AND SEDIMENT CONTROL PLAN	
REVISION	DATE

LAND OF
THOMAS R. & DIANNE C. AUBERT
36 CROSS ROAD
ROCHESTER, N.H.
TAX MAP 205, LOT 18

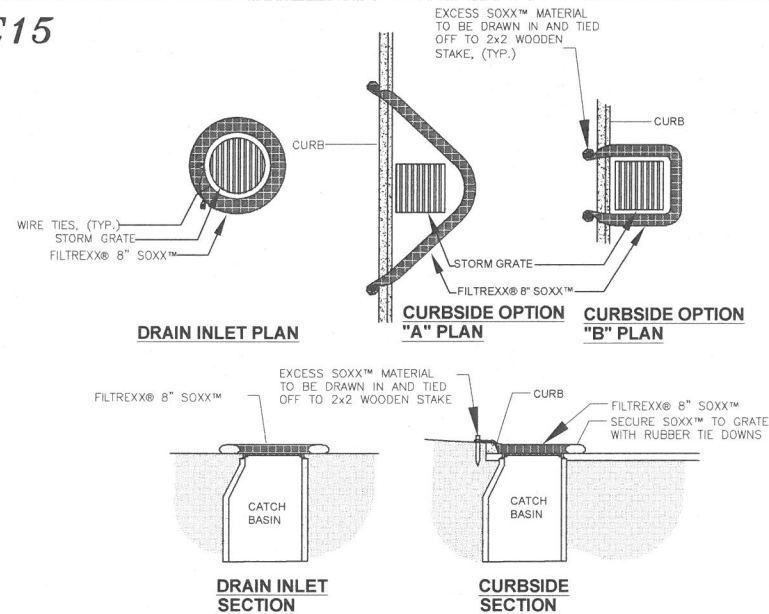
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2853
SCALE : 1 IN. EQUALS 40 FT.
DATE : MARCH 23, 2021
FILE NO. : DB 2019 - 148

STATE OF NEW HAMPSHIRE
BERRY
PROFESSIONAL ENGINEER

E12



E15

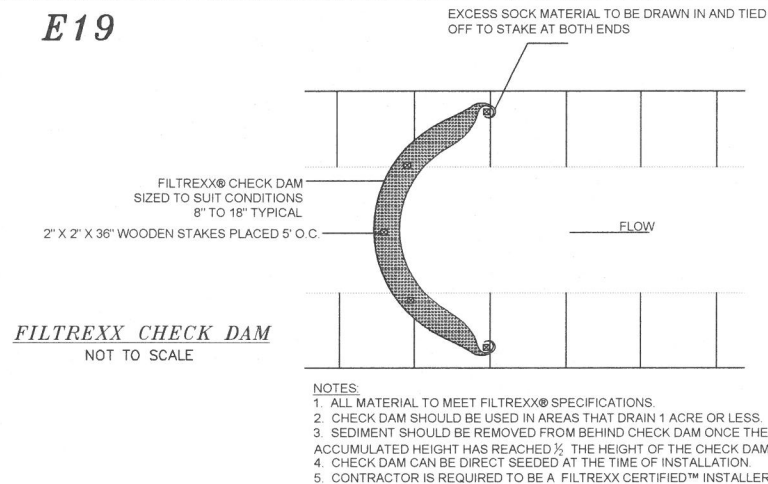


- NOTES:
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
 2. FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.
 3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

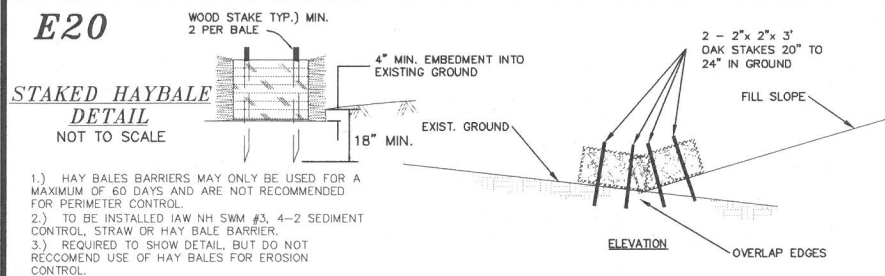
FILTREXX INLET PROTECTION

NOT TO SCALE

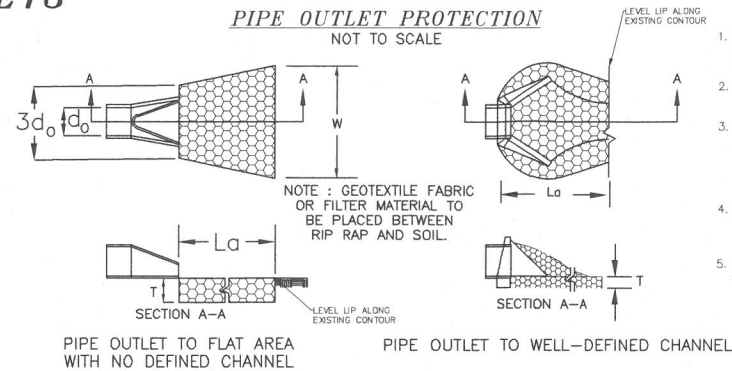
E19



E20



E13



E16

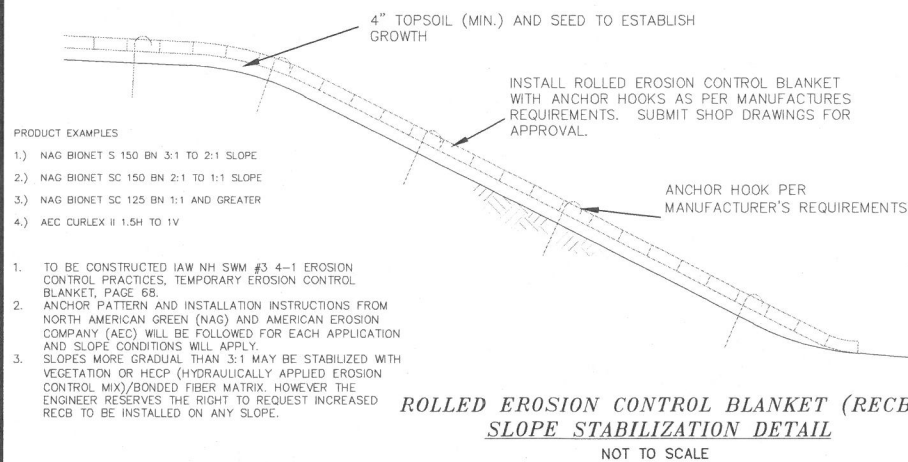
NOTE: Temporary seed mix for stabilization of turf shall be winter rye or oats at a rate of 2.5 lbs. per 1000 s.f. and shall be placed prior to OCT. 15, if permanent seeding not yet complete.

USE	SEEDING MIXTURE 1/	BROUGHTY	WELL DRAINED	MODERATELY WELL DRAINED	POORLY DRAINED
STEEP CUTS AND FILL, BORROW AND DISPOSAL AREAS	A	FAIR	GOOD	GOOD	FAIR
	B	POOR	GOOD	GOOD	FAIR
	C	FAIR	GOOD	GOOD	FAIR
	D	FAIR	GOOD	GOOD	FAIR
WATERWAYS, EMERGENCY SPILLWAYS, AND OTHER CHANNELS WITH FLOWING WATER	E	GOOD	EXCELLENT	EXCELLENT	FAIR
	F	GOOD	EXCELLENT	EXCELLENT	FAIR
	G	GOOD	EXCELLENT	EXCELLENT	FAIR
LIGHTLY USED PARKING LOTS, 400 VEHICLES, UNPAVED LOTS, AND LOW INTENSITY USE RECREATION SITES	H	GOOD	GOOD	GOOD	FAIR
	I	GOOD	GOOD	GOOD	FAIR
	J	GOOD	GOOD	GOOD	FAIR
PLAY AREAS AND ATHLETIC FIELDS (TOPSOIL IS ESSENTIAL FOR GOOD TURF)	K	GOOD	GOOD	GOOD	FAIR
	L	GOOD	GOOD	GOOD	FAIR
	M	GOOD	GOOD	GOOD	FAIR
	N	GOOD	GOOD	GOOD	FAIR
	O	GOOD	GOOD	GOOD	FAIR
	P	GOOD	GOOD	GOOD	FAIR
	Q	GOOD	GOOD	GOOD	FAIR
	R	GOOD	GOOD	GOOD	FAIR
	S	GOOD	GOOD	GOOD	FAIR
	T	GOOD	GOOD	GOOD	FAIR
	U	GOOD	GOOD	GOOD	FAIR
	V	GOOD	GOOD	GOOD	FAIR
	W	GOOD	GOOD	GOOD	FAIR
	X	GOOD	GOOD	GOOD	FAIR
	Y	GOOD	GOOD	GOOD	FAIR
	Z	GOOD	GOOD	GOOD	FAIR

SEEDING SPECIFICATIONS

1. GRADING AND SHAPING
 - A. SLOPES SHALL NOT BE STEEPER THAN 2:1; 3:1 SLOPES OR FLATTER ARE PREFERRED.
 - WHERE MOWING WILL BE DONE, 3:1 SLOPES OR FLATTER ARE RECOMMENDED.
2. SEEDBED PREPARATION
 - A. SURFACE AND SEEPAGE WATER SHOULD BE DRAINED OR DIVERTED FROM THE SITE TO PREVENT DROWNING OR WINTER KILLING OF THE PLANTS.
 - B. STONES LARGER THAN 4 INCHES AND TRASH SHOULD BE REMOVED BECAUSE THEY INTERFERE WITH SEEDING AND FUTURE MAINTENANCE OF THE AREA, WHERE FEASIBLE, THE SOIL SHOULD BE TILLED TO A DEPTH OF ABOUT 4 INCHES TO PREPARE A SEED BED AND MIX FERTILIZER AND LIME INTO THE SOIL. THE SEEDBED SHOULD BE LEFT IN REASONABLY FIRM AND SMOOTH CONDITION. THE LAST TILLAGE OPERATION SHOULD BE PERFORMED ACROSS THE SLOPE WHEREVER PRACTICAL.
3. ESTABLISHING A STAND
 - A. LIME AND FERTILIZER SHOULD BE APPLIED PRIOR TO OR AT THE TIME OF SEEDING AND INCORPORATED INTO THE SOIL KINDS AND AMOUNTS OF LIME AND FERTILIZER SHOULD BE BASED ON AN EVALUATION OF SOIL TESTS. WHEN A SOIL TEST IS NOT AVAILABLE, THE FOLLOWING MINIMUM AMOUNTS SHOULD BE APPLIED:
 - AGRICULTURAL LIMESTONE, 2 TONS PER ACRE OR 100LBS. PER 1,000 SQ.FT.
 - NITROGEN(N), 50LBS. PER ACRE OR 1.1LBS. PER 1,000 SQ.FT.
 - PHOSPHATE(P2O5), 100LBS. PER ACRE OR 2.2LBS. PER 1,000 SQ.FT.
 - POTASH(K2O), 100LBS. PER ACRE OR 2.2LBS. PER 1,000 SQ.FT.
 - (NOTE: THIS IS THE EQUIVALENT OF 500LBS. PER ACRE OF 10-20-20 FERTILIZER OR 1,000LBS. PER ACRE OF 5-10-10.)

E21



PIPE OUTLET PROTECTION CONSTRUCTION SPECIFICATIONS

1. THE SUB GRADE FOR THE FILTER MATERIAL, GEOTEXTILE FABRIC, AND RIP RAP SHALL BE PREPARED TO THE LINES AND GRADES SHOWN ON THE PLANS. SPECIFIED GRADATION.
2. THE ROCK OR GRAVEL USED FOR FILTER OF RIP RAP SHALL CONFORM TO NHDOT SECTION 583.
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.
5. TO BE CONSTRUCTED IAW NH SWM #2 4-6 CONVEYANCE PRACTICES, 6. OUTLET PROTECTION, PAGE 172.

CONSTRUCTION SEQUENCE:

- 1.) CUT AND REMOVE TREES IN CONSTRUCTION AREA ONLY AS REQUIRED, RELOCATE ANY PROJECT T.B.M.
- 2.) CONSTRUCT AND/OR INSTALL TEMPORARY AND PERMANENT SEDIMENT EROSION AND DETENTION CONTROL FACILITIES AS SPECIFIED. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY SOIL LAND DISTURBANCE AND MUST BE REVIEWED AND APPROVED BY THE COMMUNITY SERVICES DEPARTMENT.
- 3.) EROSION, SEDIMENT AND DETENTION CONTROL FACILITY SHALL BE INSTALLED & STABILIZED PRIOR TO DIRECTING RUNOFF TO THEM. TEMPORARY DIVERSIONS MAY BE REQUIRED. POST CONSTRUCTION STORM WATER MANAGEMENT PRACTICES MUST BE INITIATED AND STABILIZED EARLY IN THE PROCESS. RUNOFF MUST BE DIRECTED TO TEMPORARY PRACTICES UNTIL STORMWATER BMPs ARE STABILIZED.
- 4.) CLEAR, CUT AND DISPOSE OF DEBRIS IN APPROVED FACILITY
- 5.) CONSTRUCT TEMPORARY CULVERTS AS REQUIRED, OR DIRECTED
- 6.) CONSTRUCT ROADWAYS FOR ACCESS TO DESIRED CONSTRUCTION AREAS. ALL ROADS SHALL BE STABILIZED IMMEDIATELY. SEE BEST MANAGEMENT PRACTICES FOR BLASTING ON SHEET C-102.
- 7.) START BUILDING CONSTRUCTION.
- 8.) INSTALL PIPE AND CONSTRUCTION ASSOCIATED APPURTENANCES AS REQUIRED OR DIRECTED. INSTALL RAIN GARDENS. ALL DISTURBED AREAS SHALL BE STABILIZED IMMEDIATELY AFTER GRADING.
- 9.) BEGIN PERMANENT AND TEMPORARY SEEDING AND MULCHING. ALL CUT AND FILL SLOPES AND DISTURBED AREAS SHALL BE SEEDING OR MULCHED AS REQUIRED, OR DIRECTED. NO AREA IS ALLOWED TO BE DISTURBED FOR A LENGTH OF TIME THAT EXCEEDS 45 DAYS BEFORE BEING STABILIZED. DAILY, OR AS REQUIRED. ALL ROADWAYS AND PARKING AREAS SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES. ALL CUT AND FILL SLOPES SHALL BE STABILIZED WITHIN 72 HOURS OF ACHIEVING FINISHED GRADES. LIMIT THE LENGTH OF EXPOSURE OF UNSTABILIZED SOIL TO 45 DAYS OR LESS.
- 10.) CONSTRUCT TEMPORARY BERMS, DRAINS, DITCHES, SILT FENCES, SEDIMENT TRAPS, ETC. MULCH AND SEED AS REQUIRED.
- 11.) INSPECT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION. ALL SWPPP INSPECTIONS MUST BE CONDUCTED BY A QUALIFIED PROFESSIONAL SUCH AS A PROFESSIONAL ENGINEER (PE), A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), A CERTIFIED EROSION SEDIMENT AND STORM WATER INSPECTOR (CESSWI), OR A CERTIFIED PROFESSIONAL IN STORM WATER QUALITY (CPSWQ). INSPECTION REPORTS SHALL BE SUBMITTED TO THE COMMUNITY SERVICES DEPARTMENT. EROSION AND SEDIMENT CONTROL PRACTICES ARE TO BE INSPECTED WEEKLY AND AFTER 0.5" OF RAINFALL.
- 12.) COMPLETE PERMANENT SEEDING AND LANDSCAPING.
- 13.) REMOVE TEMPORARY EROSION CONTROL MEASURES AFTER SEEDING AREAS HAVE ESTABLISHED THEMSELVES AND SITE IMPROVEMENTS ARE COMPLETE.
- 14.) SMOOTH AND REVEGETATE ALL DISTURBED AREAS.
- 15.) FINISH PAVING ALL ROADWAYS.
- 16.) LOT DISTURBANCE, OTHER THAN THAT SHOWN ON THE APPROVED PLANS, SHALL NOT COMMENCE UNTIL AFTER THE ROADWAY HAS THE BASE COURSE TO DESIGN ELEVATION AND THE ASSOCIATED DRAINAGE IS COMPLETE AND STABLE.

E18 DEFINITION OF STABLE:

PER ENV-WQ 1500 ALTERATION OF TERRAIN

1. BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED.
 2. A MINIMUM OF 85 PERCENT VEGETATED GROWTH HAS BEEN ESTABLISHED.
 3. A MINIMUM OF 3 INCHES OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIP-RAP HAS BEEN INSTALLED.
 4. OR, EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- ADDITION STABILIZATION NOTES:
5. HAY MULCH OR OTHER APPROVED METHODS SHALL BE USED TO CONTROL EROSION OF NEWLY GRADED AREAS. ALL CUT AND FILL SLOPES SHALL BE SEEDING AND MULCHED WITHIN 72 HOURS AFTER THEIR CONSTRUCTION.
 6. DISTURBED SOIL AREAS SHALL BE EITHER TEMPORARILY OR PERMANENTLY STABILIZED. IN AREAS WHERE FINAL GRADING HAS NOT OCCURRED, TEMPORARY STABILIZATION MEASURES SHOULD BE IN PLACE WITHIN SEVEN (7) CALENDAR DAYS FOR EXPOSED SOIL AREAS THAT ARE WITHIN ONE HUNDRED (100) FEET OF A SURFACE WATER BODY OR A WETLAND AND NO MORE THAN 14 CALENDAR DAYS FOR ALL OTHER AREAS. PERMANENT STABILIZATION SHOULD BE IN PLACE WITHIN THREE (3) CALENDAR DAYS FOLLOWING COMPLETION OF FINAL GRADING OF EXPOSED SOIL AREAS.

E22

WINTER STABILIZATION NOTES

1. ALL DISTURBED AREAS THAT DO NOT HAVE AT LEAST 85% VEGETATIVE COVERAGE PRIOR TO OCTOBER 15TH SHALL BE STABILIZED BY APPLYING MULCH AT A RATE OF 3-4 TONS PER ACRE. ALL SIDE SLOPES, STEEPER THAN 4:1, THAT ARE NOT DIRECTED TO SWALES OR DETENTION BASINS, SHALL BE LINED WITH BIODEGRADABLE/PHOTODEGRADABLE "JUTE MATTING" (EXCELSIOR'S CUREX II OR EQUAL). ALL OTHER SLOPES SHALL BE MULCHED AND TACKED AT A RATE OF 3-4 TONS PER ACRE. THE APPLICATION OF MULCH AND/OR JUTE MATTING SHALL NOT OCCUR OVER EXISTING SNOW COVER. IF THE SITE IS ACTIVE AFTER OCTOBER 15TH, ANY SNOW THAT ACCUMULATES ON DISTURBED AREAS SHALL BE REMOVED. PRIOR TO SPRING THAW ALL AREAS WILL BE STABILIZED, AS DIRECTED ABOVE.
2. ALL SWALES THAT DO NOT HAVE FULLY ESTABLISHED VEGETATION SHALL BE EITHER LINED WITH TEMPORARY JUTE MATTING OR TEMPORARY STONE CHECK DAMS (APPROPRIATELY SPACED). STONE CHECK DAMS WILL BE MAINTAINED THROUGHOUT THE WINTER MONTHS. IF THE SWALES ARE TO BE MATTED WITH PERMANENT LINERS OR RIPRAP WITH ENGINEERING FABRIC, THIS SHALL BE COMPLETED PRIOR TO WINTER SHUTDOWN OR AS SOON AS THEY ARE PROPERLY GRADED AND SHAPED.
3. PRIOR TO OCT. 15TH ALL ROADWAY AND PARKING AREAS SHALL BE BROUGHT UP TO AND THROUGH THE BANK RUN GRAVEL APPLICATION. IF THESE AREAS' ELEVATIONS ARE PROPOSED TO REMAIN BELOW THE PROPOSED SUBGRADE ELEVATION, THE SUBGRADE MATERIAL SHALL BE ROUGHLY CROWNED AND A 3" LAYER OF CRUSHED GRAVEL SHALL BE PLACED AND COMPACTED. THIS WILL ALLOW THE SUBGRADE TO SHED RUNOFF AND WILL REDUCE ROADWAY EROSION. THIS CRUSHED GRAVEL DOES NOT HAVE TO CONFORM TO NH DOT 304.3, BUT SHALL HAVE BETWEEN 15-25% PASSING THE #200 SIEVE AND THE LARGEST STONE SIZE SHALL BE 2". IF THE SITE IS ACTIVE AFTER OCTOBER 15TH, ANY ACCUMULATED SNOW SHALL BE REMOVED FROM ALL ROADWAY AND PARKING AREAS.
4. AFTER OCTOBER 15TH, THE END OF NEW HAMPSHIRE'S AVERAGE GROWING SEASON, NO ADDITIONAL LOAM SHALL BE SPREAD ON SIDE SLOPES AND SWALES. THE STOCKPILES THAT WILL BE LEFT UNDISTURBED UNTIL SPRING SHALL BE SEEDING BY THIS DATE. AFTER OCTOBER 15TH, ANY NEW OR DISTURBED PILES SHALL BE MULCHED AT A RATE OF 3-4 TONS PER ACRE. ALL STOCKPILES THAT WILL REMAIN THROUGHOUT THE WINTER SHALL BE SURROUNDED WITH SILT FENCING.

E-102

SHEET 6 OF 6

DESCRIPTION

DATE

REVISION

LAND OF
THOMAS R. & DIANNE C. AUBERT
36 CROSS ROAD
ROCHESTER, N.H.
TAX MAP 205, LOT 18

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2853

AS NOTED
DATE : MARCH 23, 2021
FILE NO. : DB 2019 - 148

