



RECEIVED

FEB 09 2016

Planning Dept.

NONRESIDENTIAL SITE PLAN APPLICATION**City of Rochester, New Hampshire**

[office use only. Check # _____ Amount \$ _____ Date paid _____]

Date: February 4, 2016 Is a conditional use needed? Yes: _____ No: _____ Unclear: _____
(If so, we encourage you to submit an application as soon as possible.)

Property informationTax map #: 216; Lot #'s: 002 + 003; Zoning district: GRDProperty address/location: 22 Farmington Rd.

Name of project (if applicable): _____

Size of site: 2.7/2.9 acres; overlay zoning district(s)? _____**Property owner**Name (include name of individual): David S. Thayer Richard P. Thayer Rev. Tst
Richard P. & Diane J. ThayerMailing address: 596 Governors Rd., Milton, NH 03851 407 Merrymeeting Rd.
New Durham, NH 03855-2100Telephone #: 332-3270 Email: dsthayer@worldpath.net**Applicant/developer (if different from property owner)**Name (include name of individual): David S. ThayerMailing address: 596 Governors Rd., Milton, NH 03851Telephone #: 332-3270 Email: dsthayer@worldpath.net**Engineer/designer**Name (include name of individual): Kenneth A. Berry, PE, LLS
Christopher R. Berry, Project ManagerMailing address: 335 Second Crown Point Rd., Barrington, NH 03825Telephone #: 332-2863 Fax #: 335-4623Email address: K.Berry@BerrySurveying.com Professional license #: 14243**Proposed activity (check all that apply)**New building(s): x Site development (other structures, parking, utilities, etc.): _____Addition(s) onto existing building(s): x Demolition: _____ Change of use: _____

(Continued Nonresidential Site Plan application Tax Map: 216 Lot: 002 + 003 Zone GRD)

Describe proposed activity/use: 1350 square foot addition on existing building
and construction of 9600 square foot building for shooting range.

Describe existing conditions/use (vacant land?): Existing retail shop

Utility information

City water? yes x no ; How far is City water from the site? 0'

City sewer? yes x no ; How far is City sewer from the site? 0'

If City water, what are the estimated total daily needs? 768 gallons per day

If City water, is it proposed for anything other than domestic purposes? yes no x

If City sewer, do you plan to discharge anything other than domestic waste? yes no x

Where will stormwater be discharged? To existing wetlands through a proposed
rain garden.

Building information

Type of building(s): Concrete and wood structure.

Building height: Finished floor elevation: 254.50

Other information

parking spaces: existing: 24 total proposed: 51; Are there pertinent covenants?

Number of cubic yards of earth being removed from the site 16,000

Number of existing employees: 6; number of proposed employees total: 5

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

Wetlands: Is any fill proposed? No; area to be filled: ; buffer impact?

Proposed <u>post-development</u> disposition of site (should total 100%)				
	Square footage		% overall site	
	Lot 2	Lot 3	Lot 2	Lot 3
Building footprint(s) – give for each building	5412	9600	4.7	7.7
Parking and vehicle circulation	21,075	18,100	18.2	14.5
Planted/landscaped areas (excluding drainage)	0	2300	0	1.8
Natural/undisturbed areas (excluding wetlands)	78,510	62,241	67.8	49.8
Wetlands	5475	17,455	4.7	13.9
Other – drainage structures, outside storage, etc.	5268	15,365	4.6	12.3

(Continued Nonresidential Site Plan application Tax Map: 216 Lot: 002 + 003 Zone GRD)

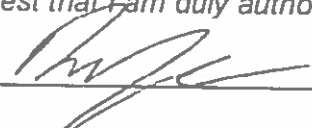
Comments

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: 2/3/14

Signature of applicant/developer: 

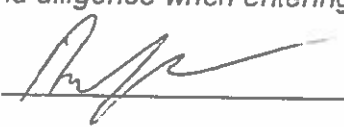
Date: 2/3/14

Signature of agent: _____

Date: _____

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: 2/3/16

Page 3 (of 3 pages)



BERRY SURVEYING & ENGINEERING

335 Second Crown Point Road
Barrington, NH 03825
Phone: (603) 332-2863
Fax: (603) 335-4623
www.BerrySurveying.Com

February 9, 2016

City of Rochester Planning Board
31 Wakefield Street
Rochester, NH 03867

RECEIVED

FEB 09 2016

Planning Dept.

Re: Site Plan Review
Coyote Creek Outfitters, LLC
22 Farmington Road
Rochester, NH

Mr. Chairman and Members of the Rochester Planning Board,

On behalf of David Thayer, Managing Member of Coyote Creek, LLC, Berry Surveying & Engineering submits for Planning Board approval a Site Plan Application and site plan for the construction of a new building and an addition on the existing building, as well as associated parking and utilities.

The addition is proposed to be constructed on the west side of the existing Coyote Creek building, which sits on Tax Map 216, Lot 2, and will be approximately 1,350 square feet in area. The proposed building will be constructed on Tax Map 216, Lot 3, and will contain approximately 9,600 square feet. Under this proposal, a portion of the proposed building crosses the lot line with Lot 2, and for this reason, a lot line revision will be required. A separate lot line revision plan will be submitted for review and approval.

The existing Coyote Creek building is served by an on-site well and municipal sewer. Under this proposal, both the proposed building and existing building with addition will be served by municipal water and sewer. A utility plan (Sheet 11 of 20) has been submitted as part of the application package that details the construction of the sewer system. The proposed water connection is still being investigated, but at this time the preferred proposal is to connect to the water main across Route 11 by directionally boring under the road.

Due to a severe elevation change from the front to the rear of the property, a retaining wall or ledge face will be required behind the proposed building on Lot 3. The submitted plans demonstrate the installation of a wall with 1:1 grading on top of the wall, however, the applicant may choose to manage the change in elevation by using existing features in the form of a ledge face. An investigation of the structural integrity of the existing ledge material

November 12, 2015

in the area of the wall is needed before making this determination, and will be completed before construction of the retaining system.

Drainage will be handled through a proposed stormwater system including a rain garden, grass treatment swales, and deep sump hooded catch basins. Currently, water discharges directly into a wetland at the front of the property. We are proposing grass treatment swales to collect water around the back of the proposed building before directing it to catch basins on either side of the building. Water is then carried to a proposed rain garden at the front of the site for treatment and attenuation. Under extreme storm events, water will flow over a 10' wide emergency spillway and integrated level spreader before entering the wetland. More information on the drainage system can be found throughout the plan set and drainage report.

A deceleration lane is proposed on Route 11, approximately 315' in length. A full plan of the deceleration lane is pending.

The existing driveway entrance is adequate for the proposed use, and any improvements around the entrance itself are mostly related to the proposed deceleration lane, and also includes striping and the installation of a stop sign.

Thank you for your time and attention to this matter, and we look forward to working with you on this project.

Berry Surveying & Engineering

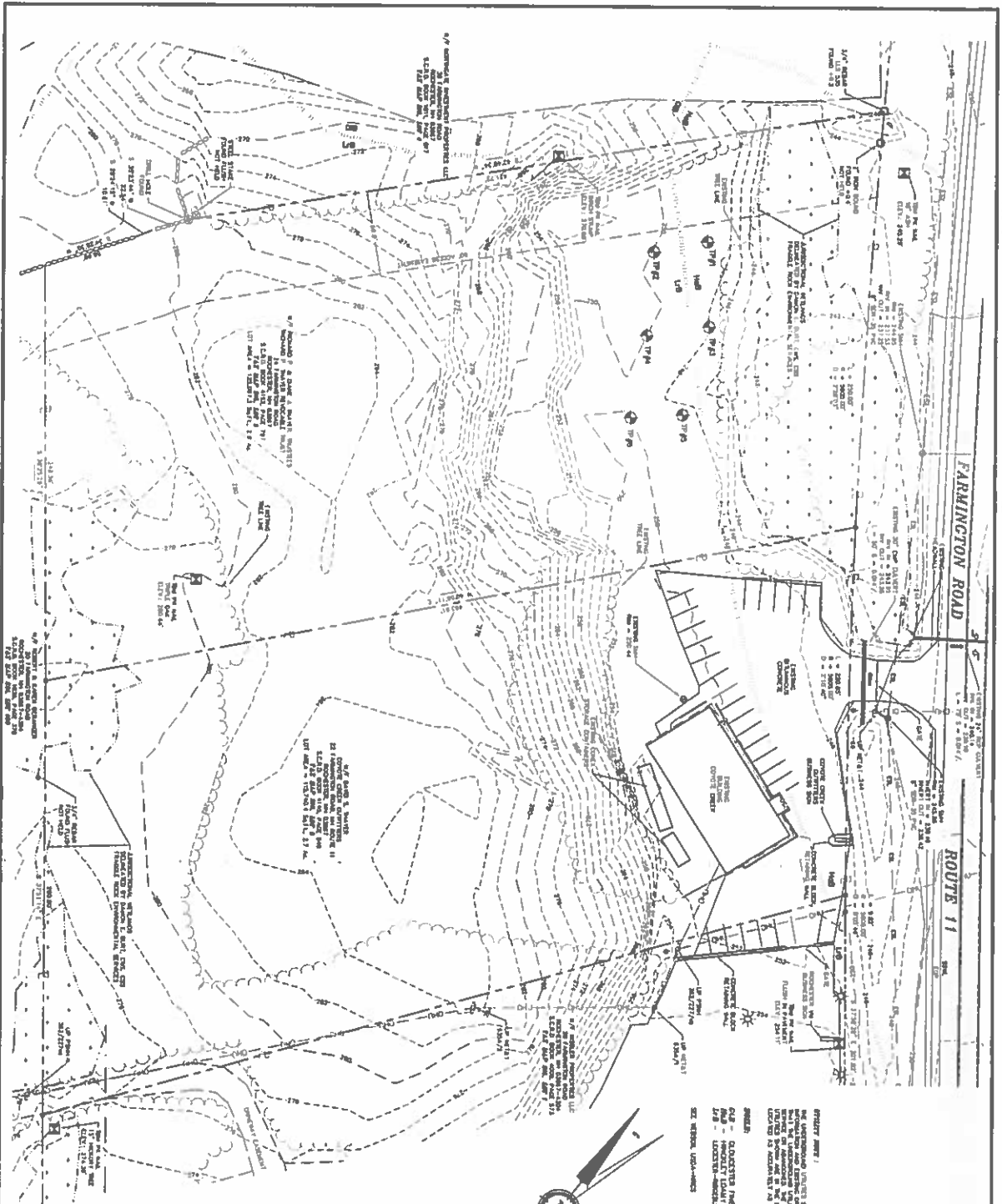


Kenneth A. Berry, PE, LLS
CPSWQ, CPESC, CESSWI
Principal, VP Technical Operations



BERRY SURVEYING & ENGINEERING

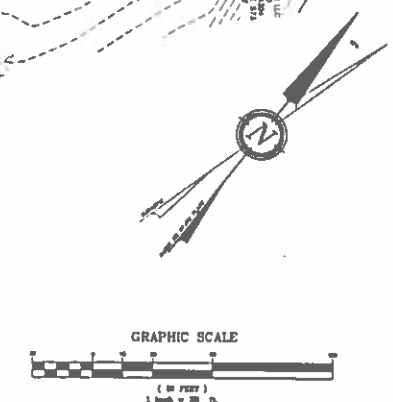
148 Second Crown Pt. Rd., Barrington, NH 03825
(603) 332-2863 / (603) 335-4623 FAX
www.BerrySurveying.Com



DAVID E. BART
CNS #153

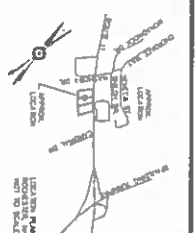
1. I CERTIFY THAT THIS PLAN EXHIBITS THE
MEASUREMENTS AND CALCULATIONS MADE
FOR THE PURPOSES OF THE STATE OF N.H. AND
OF THE CITY OF ROCHESTER, N.H. - 11-10-2018

REMARKS & REMARKS U.S. 803 DATE



PROPERTY MAP
THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF BERRY SURVEYING & ENGINEERING, INC. AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF BERRY SURVEYING & ENGINEERING, INC. THIS PLAN IS A PRELIMINARY PLAN AND IS NOT TO BE USED FOR ANY PURPOSES OTHER THAN THE PURPOSES FOR WHICH IT WAS PREPARED.

NOTE:
1. LOCATIONS OF THE SHOWN LOTS 2 TO 8 PERSONS LOTS
2. LOCATIONS OF THE SHOWN LOTS 2 TO 8 PERSONS LOTS



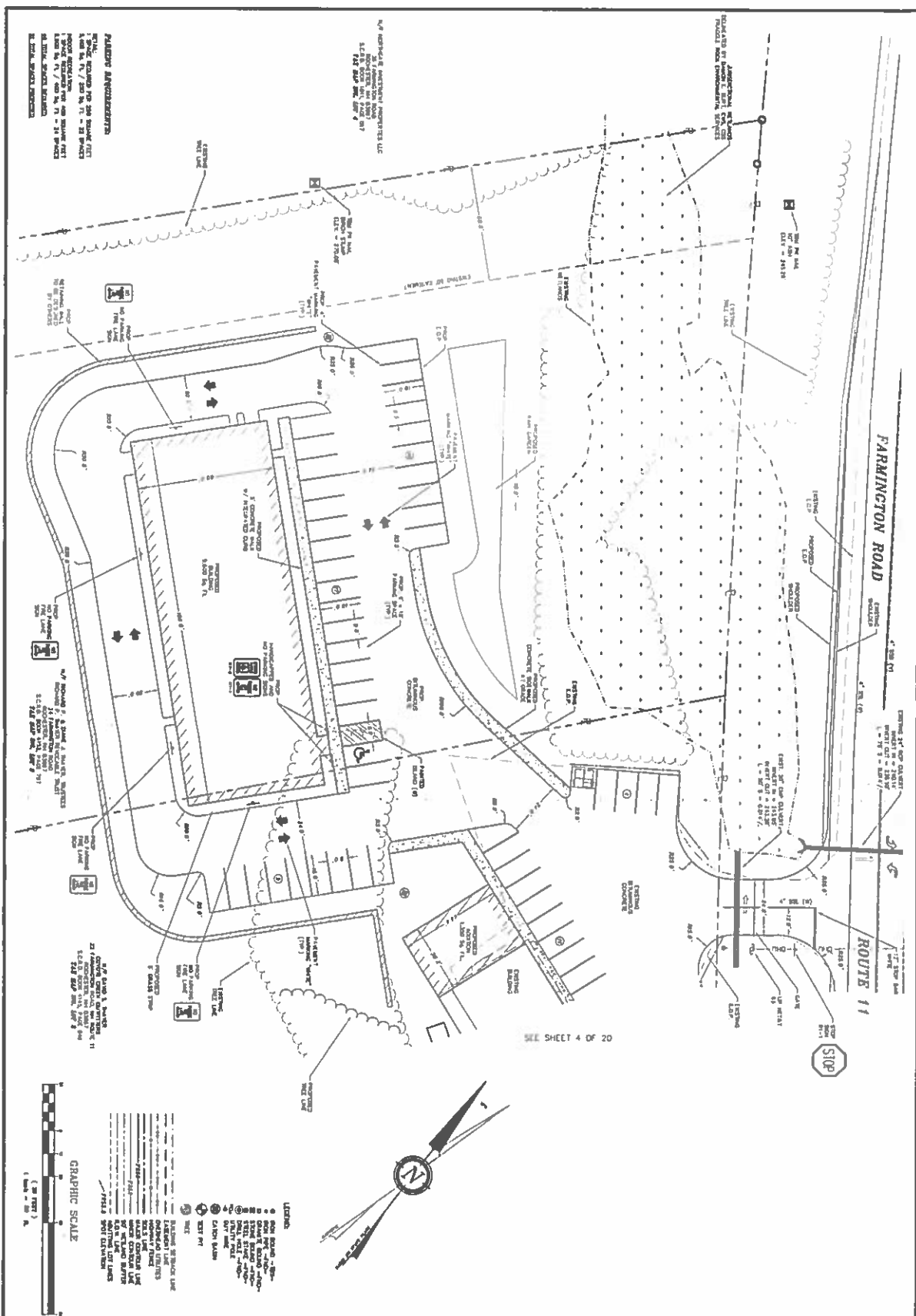
BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2883

SCALE : 1 IN. EQUALS 30 FT.
DATE : FEBRUARY 8, 2018
FILE NO. : DB 2015 - 057

EXISTING CONDITIONS PLAN
LAND OF DAVID S. THAYER &
RICHARD P. THAYER REVOCABLE TRUST
22 FARMINGTON ROAD, ROUTE 11
ROCHESTER, NH 03067
TAX MAP 218, LOTS 2 & 3

REVISION	DATE	DESCRIPTION

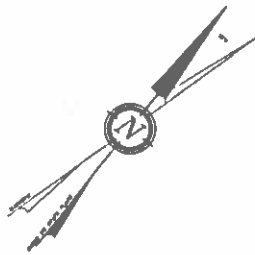
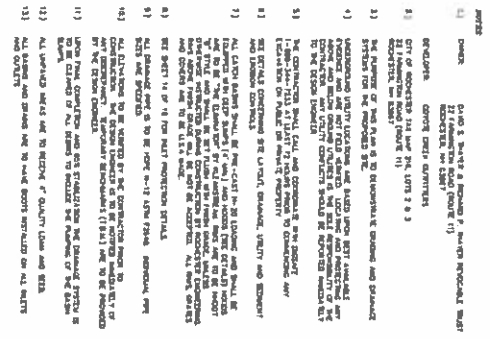
REVISION	DATE	DESCRIPTION



BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
 SCALE : 1 IN. EQUALS 20 FT.
 DATE : FEBRUARY 8, 2016
 FILE NO. : DB 2015 - 057

PROPOSED SITE PLAN
 LAND OF DAVID S. THAYER &
 RICHARD P. THAYER REVOCABLE TRUST
 22 FARMINGTON ROAD, ROUTE 11
 ROCHESTER, NH 03867
 TAX MAP 216, LOTS 2 & 3

REVISION	DATE	DESCRIPTION

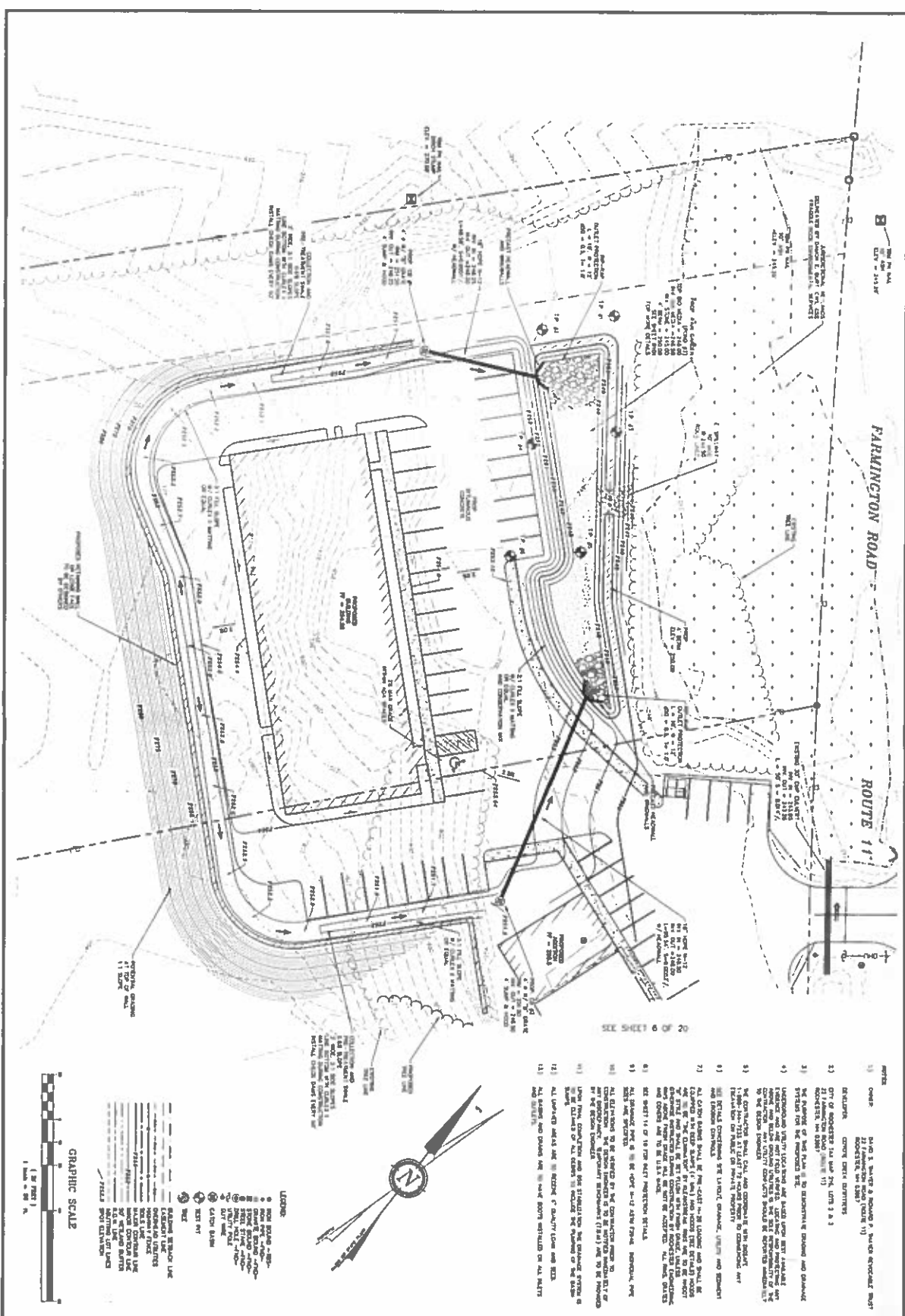


7515-3
7515-2
7515-1
7515-0
7514-9
7514-8
7514-7
7514-6
7514-5
7514-4
7514-3
7514-2
7514-1
7514-0
7513-9
7513-8
7513-7
7513-6
7513-5
7513-4
7513-3
7513-2
7513-1
7513-0
7512-9
7512-8
7512-7
7512-6
7512-5
7512-4
7512-3
7512-2
7512-1
7512-0
7511-9
7511-8
7511-7
7511-6
7511-5
7511-4
7511-3
7511-2
7511-1
7511-0
7510-9
7510-8
7510-7
7510-6
7510-5
7510-4
7510-3
7510-2
7510-1
7510-0
7509-9
7509-8
7509-7
7509-6
7509-5
7509-4
7509-3
7509-2
7509-1
7509-0
7508-9
7508-8
7508-7
7508-6
7508-5
7508-4
7508-3
7508-2
7508-1
7508-0
7507-9
7507-8
7507-7
7507-6
7507-5
7507-4
7507-3
7507-2
7507-1
7507-0
7506-9
7506-8
7506-7
7506-6
7506-5
7506-4
7506-3
7506-2
7506-1
7506-0
7505-9
7505-8
7505-7
7505-6
7505-5
7505-4
7505-3
7505-2
7505-1
7505-0
7504-9
7504-8
7504-7
7504-6
7504-5
7504-4
7504-3
7504-2
7504-1
7504-0
7503-9
7503-8
7503-7
7503-6
7503-5
7503-4
7503-3
7503-2
7503-1
7503-0
7502-9
7502-8
7502-7
7502-6
7502-5
7502-4
7502-3
7502-2
7502-1
7502-0
7501-9
7501-8
7501-7
7501-6
7501-5
7501-4
7501-3
7501-2
7501-1
7501-0
7500-9
7500-8
7500-7
7500-6
7500-5
7500-4
7500-3
7500-2
7500-1
7500-0
7499-9
7499-8
7499-7
7499-6
7499-5
7499-4
7499-3
7499-2
7499-1
7499-0
7498-9
7498-8
7498-7
7498-6
7498-5
7498-4
7498-3
7498-2
7498-1
7498-0
7497-9
7497-8
7497-7
7497-6
7497-5
7497-4
7497-3
7497-2
7497-1
7497-0
7496-9
7496-8
7496-7
7496-6
7496-5
7496-4
7496-3
7496-2
7496-1
7496-0
7495-9
7495-8
7495-7
7495-6
7495-5
7495-4
7495-3
7495-2
7495-1
7495-0
7494-9
7494-8
7494-7
7494-6
7494-5
7494-4
7494-3
7494-2
7494-1
7494-0
7493-9
7493-8
7493-7
7493-6
7493-5
7493-4
7493-3
7493-2
7493-1
7493-0
7492-9
7492-8
7492-7
7492-6
7492-5
7492-4
7492-3
7492-2
7492-1
7492-0
7491-9
7491-8
7491-7
7491-6
7491-5
7491-4
7491-3
7491-2
7491-1
7491-0
7490-9
7490-8
7490-7
7490-6
7490-5
7490-4
7490-3
7490-2
7490-1
7490-0
7489-9
7489-8
7489-7
7489-6
7489-5
7489-4
7489-3
7489-2
7489-1
7489-0
7488-9
7488-8
7488-7
7488-6
7488-5
7488-4
7488-3
7488-2
7488-1
7488-0
7487-9
7487-8
7487-7
7487-6
7487-5
7487-4
7487-3
7487-2
7487-1
7487-0
7486-9
7486-8
7486-7
7486-6
7486-5
7486-4
7486-3
7486-2
7486-1
7486-0
7485-9
7485-8
7485-7
7485-6
7485-5
7485-4
7485-3
7485-2
7485-1
7485-0
7484-9
7484-8
7484-7
7484-6
7484-5
7484-4
7484-3
7484-2
7484-1
7484-0
7483-9
7483-8
7483-7
7483-6
7483-5
7483-4
7483-3
7483-2
7483-1
7483-0
7482-9
7482-8
7482-7
7482-6
7482-5
7482-4
7482-3
7482-2
7482-1
7482-0
7481-9
7481-8
7481-7
7481-6
7481-5
7481-4
7481-3
7481-2
7481-1
7481-0
7480-9
7480-8
7480-7
7480-6
7480-5
7480-4
7480-3
7480-2
7480-1
7480-0
7479-9
7479-8
7479-7
7479-6
7479-5
7479-4
7479-3
7479-2
7479-1
7479-0
7478-9
7478-8
7478-7
7478-6
7478-5
7478-4
7478-3
7478-2
7478-1
7478-0
7477-9
7477-8
7477-7
7477-6
7477-5
7477-4
7477-3
7477-2
7477-1
7477-0
7476-9
7476-8
7476-7
7476-6
7476-5
7476-4
7476-3
7476-2
7476-1
7476-0
7475-9
7475-8
7475-7
7475-6
7475-5
7475-4
7475-3
7475-2
7475-1
7475-0
7474-9
7474-8
7474-7
7474-6
7474-5
7474-4
7474-3
7474-2
7474-1
7474-0
7473-9
7473-8
7473-7
7473-6
7473-5
7473-4
7473-3
7473-2
7473-1
7473-0
7472-9
7472-8
7472-7
7472-6
7472-5
7472-4
7472-3
7472-2
7472-1
7472-0
7471-9
7471-8
7471-7
7471-6
7471-5
7471-4
7471-3
7471-2
7471-1
7471-0
7470-9
7470-8
7470-7
7470-6
7470-5
7470-4
7470-3
7470-2
7470-1
7470-0
7469-9
7469-8
7469-7
7469-6
7469-5
7469-4
7469-3
7469-2
7469-1
7469-0
7468-9
7468-8
7468-7
7468-6
7468-5
7468-4
7468-3
7468-2
7468-1
7468-0
7467-9
7467-8
7467-7
7467-6
7467-5
7467-4
7467-3
7467-2
7467-1
7467-0
7466-9
7466-8
7466-7
7466-6
7466-5
7466-4
7466-3
7466-2
7466-1
7466-0
7465-9
7465-8
7465-7
7465-6
7465-5
7465-4
7465-3
7465-2
7465-1
7465-0
7464-9
7464-8
7464-7
7464-6
7464-5
7464-4
7464-3
7464-2

3-27-00

GRADING PLAN
LAND OF DAVID S. THAYER &
RICHARD P. THAYER REVOCABLE TRUST
22 FARMINGTON ROAD, ROUTE 11
ROCHESTER, NH 03867
TAX MAP 216, LOTS 2 & 3

REVISION	DATE	DESCRIPTION



- NOTES:
- 1) SEE SHEET 5 FOR A GRADING PLAN OF THE ADJACENT TRACT.
 - 2) SEE SHEET 6 OF 20 FOR A GRADING PLAN OF THE ADJACENT TRACT.
 - 3) SEE SHEET 7 OF 20 FOR A GRADING PLAN OF THE ADJACENT TRACT.
 - 4) SEE SHEET 8 OF 20 FOR A GRADING PLAN OF THE ADJACENT TRACT.
 - 5) SEE SHEET 9 OF 20 FOR A GRADING PLAN OF THE ADJACENT TRACT.
 - 6) SEE SHEET 10 OF 20 FOR A GRADING PLAN OF THE ADJACENT TRACT.
 - 7) SEE SHEET 11 OF 20 FOR A GRADING PLAN OF THE ADJACENT TRACT.
 - 8) SEE SHEET 12 OF 20 FOR A GRADING PLAN OF THE ADJACENT TRACT.
 - 9) SEE SHEET 13 OF 20 FOR A GRADING PLAN OF THE ADJACENT TRACT.
 - 10) SEE SHEET 14 OF 20 FOR A GRADING PLAN OF THE ADJACENT TRACT.
 - 11) SEE SHEET 15 OF 20 FOR A GRADING PLAN OF THE ADJACENT TRACT.
 - 12) SEE SHEET 16 OF 20 FOR A GRADING PLAN OF THE ADJACENT TRACT.
 - 13) SEE SHEET 17 OF 20 FOR A GRADING PLAN OF THE ADJACENT TRACT.
 - 14) SEE SHEET 18 OF 20 FOR A GRADING PLAN OF THE ADJACENT TRACT.
 - 15) SEE SHEET 19 OF 20 FOR A GRADING PLAN OF THE ADJACENT TRACT.

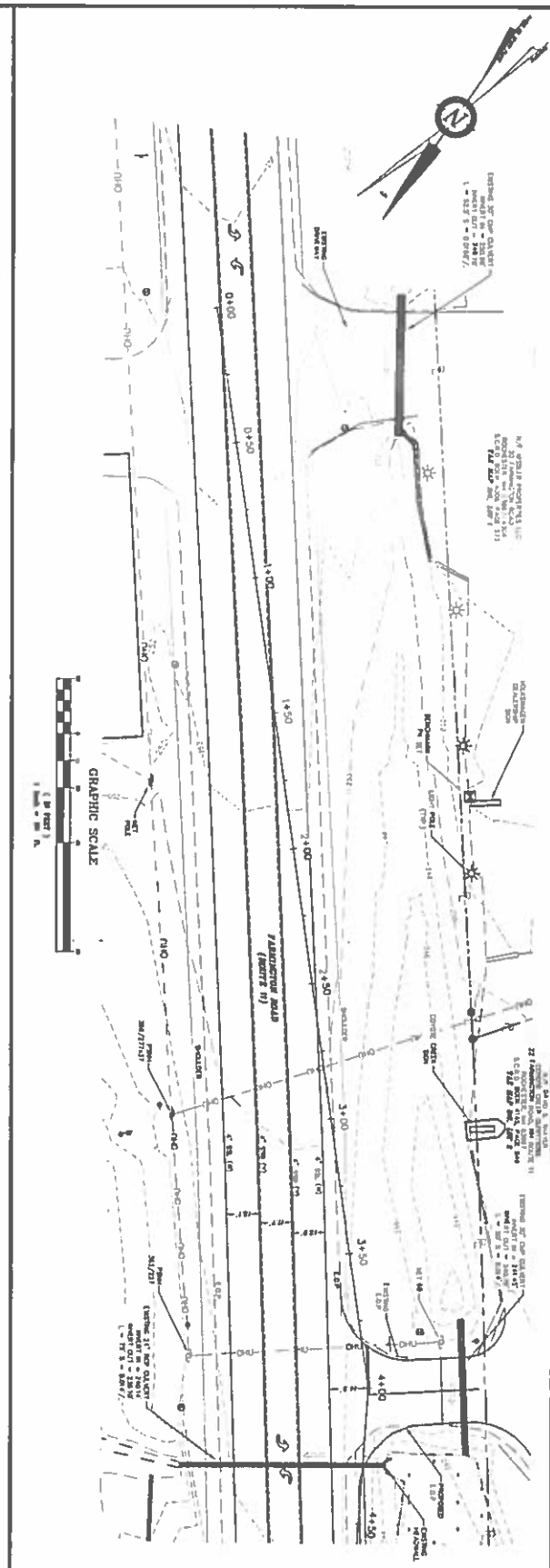
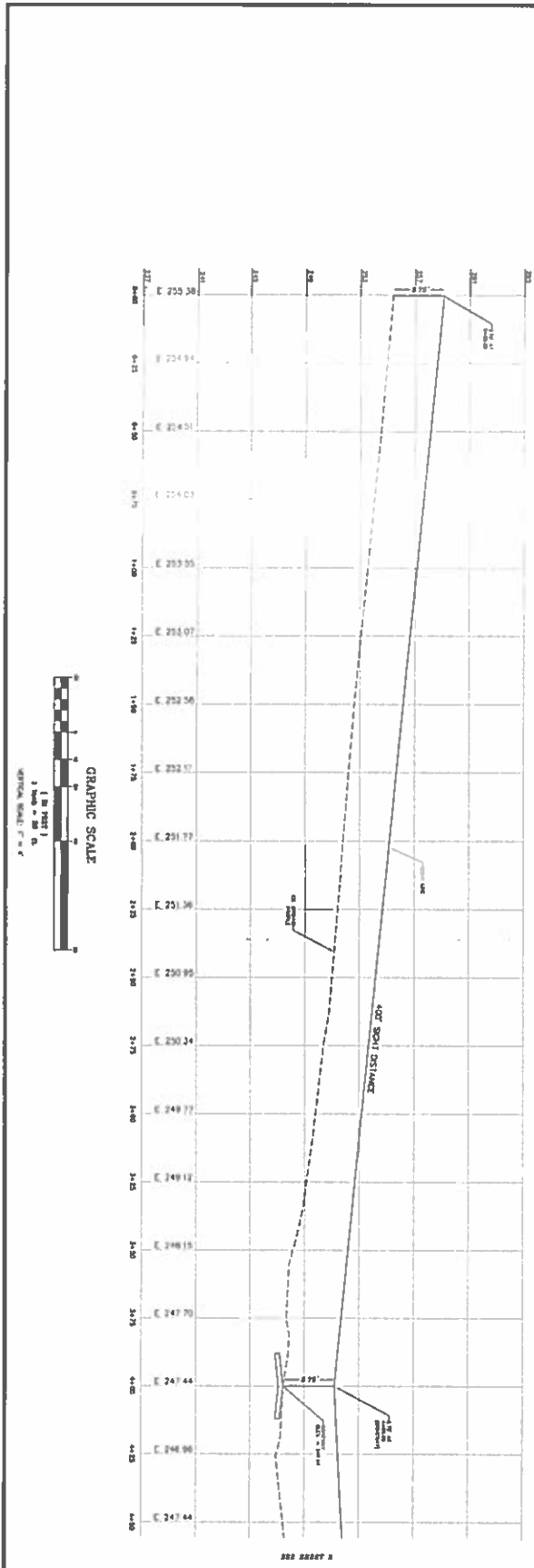
BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863

SCALE : 1 IN. EQUALS 20 FT.
 DATE : FEBRUARY 8, 2016
 FILE NO. : DB 2015 - 057

GRADING PLAN
 LAND OF DAVID S. THAYER &
 RICHARD P. THAYER REVOCABLE TRUST
 22 FARMINGTON ROAD, ROUTE 11
 ROCHESTER, NH 03667
 TAX MAP 216, LOTS 2 & 3

REVISION	DATE	DESCRIPTION

SHEET 7 OF 20



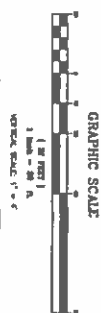
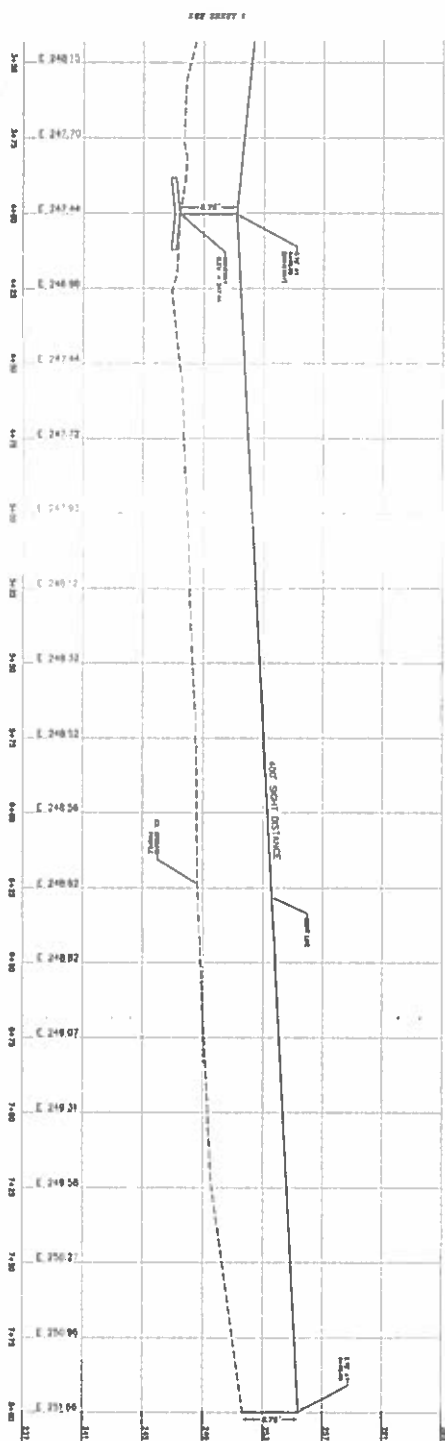
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

DATE: FEBRUARY 8, 2016
FILE NO.: DB 2015 - 057

BERRY SURVEYING & ENGINEERING

SIGHT DISTANCE PLAN
LAND OF DAVID S. THAYER &
RICHARD P. THAYER REVOCABLE TRUST
22 FARMINGTON ROAD, ROUTE 11
ROCHESTER, NH 03667
TAX MAP 216, LOTS 2 & 3

REVISION	DATE	DESCRIPTION



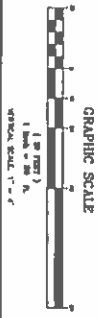
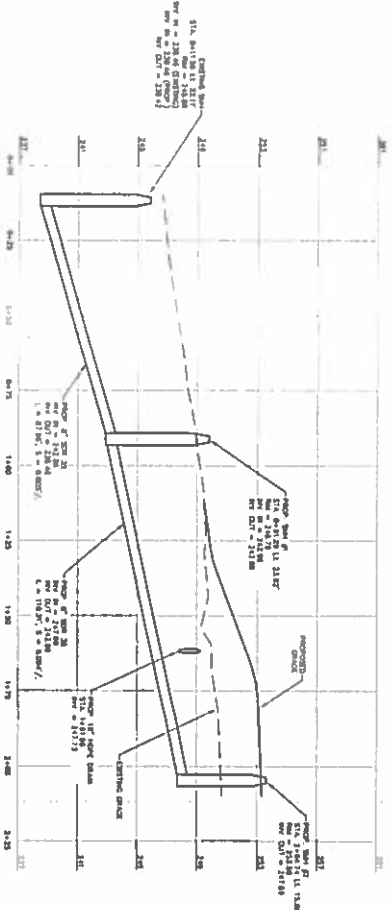
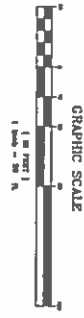
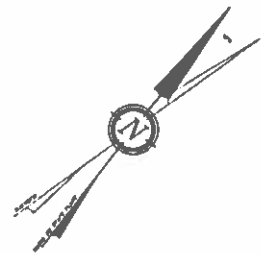
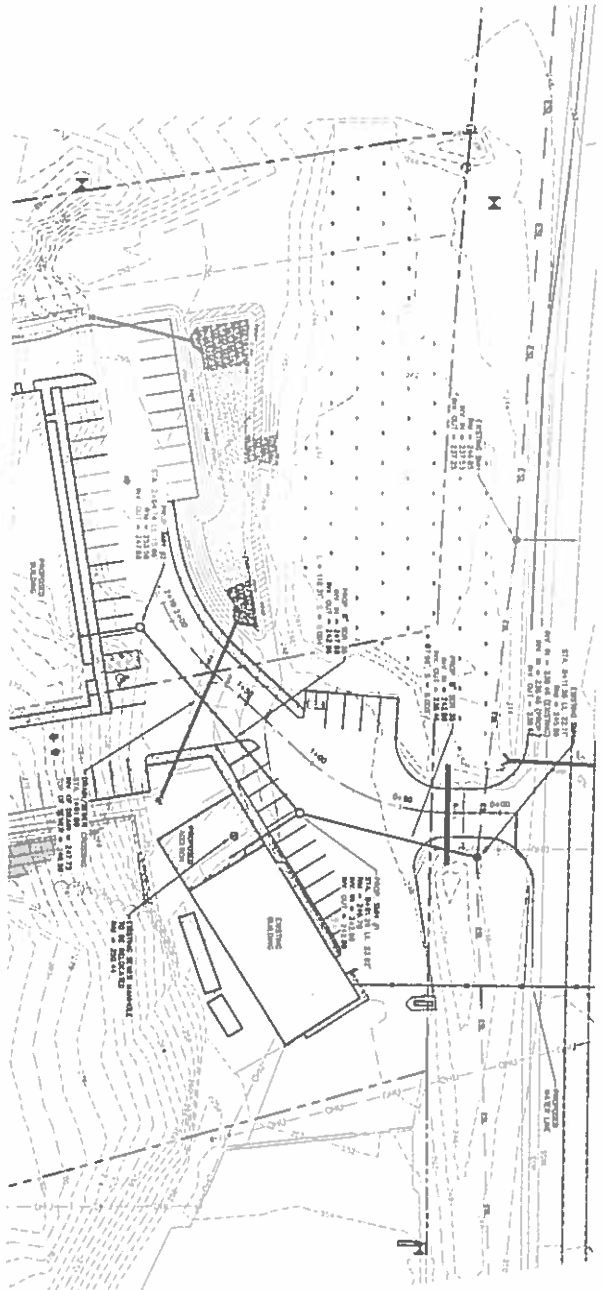
08-00113Z-5



BERRY SURVEYING & ENGINEERING
338 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863
SCALE : AS SHOWN
DATE : FEBRUARY 8, 2016
FILE NO. : DB 2015 - 057

SIGHT DISTANCE PLAN
LAND OF DAVID S. THAYER &
RICHARD P. THAYER REVOCABLE TRUST
22 FARMINGTON ROAD, ROUTE 11
ROCHESTER, NH 03867
TAX MAP 216, LOTS 2 & 3

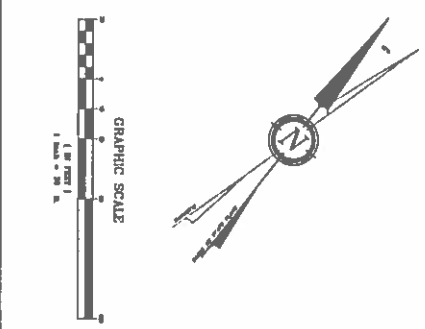
REVISION	DATE	DESCRIPTION



BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863
 SCALE : AS SHOWN
 DATE : FEBRUARY 8, 2016
 FILE NO. : DB 2015 - 057

PROPOSED UTILITY PLAN
 LAND OF DAVID S. THAYER &
 RICHARD P. THAYER REVOCABLE TRUST
 22 FARMINGTON ROAD, ROUTE 11
 ROCHESTER, NH 03867
 TAX MAP 210, LOTS 2 & 3

REVISION	DATE	DESCRIPTION

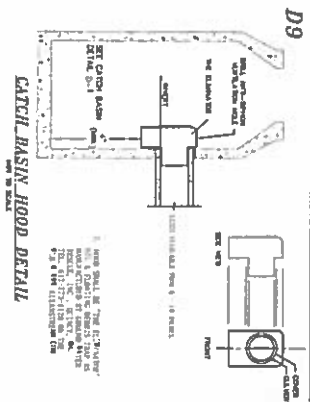
[illegible]

- [illegible]

	BERRY SURVEYING & ENGINEERING 335 SECOND CROWN POINT ROAD BARRINGTON, NH 03825 (603) 332-2863	
	SCALE : 1 IN. EQUALS 30 FT.	
	DATE : FEBRUARY 8, 2016	
	FILE NO. : DB 2015 - 057	

SEDIMENT AND EROSION CONTROL PLAN
LAND OF DAVID S. THAYER &
RICHARD P. THAYER REVOCABLE TRUST
22 FARMINGTON ROAD, ROUTE 11
ROCHESTER, NH 03867
TAX MAP 216, LOTS 2 & 3

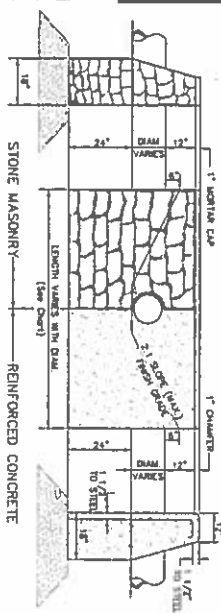
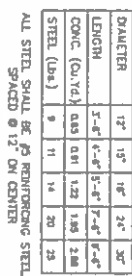
REVISION	DATE	DESCRIPTION



106



D7



HEADTAILS
(MASONRY & CONCRETE)
NOT TO SCALE

D-101


BERRY SURVEYING & ENGINEERING
 335 SECOND CROWN POINT ROAD
 BARRINGTON, NH 03825 (603)332-2863

SCALE : AS MARKED

DATE : FEBRUARY 8, 2018

FILE NO. : DB 2015 - 057

**DRAINAGE DETAILS
LAND OF DAVID S. THAYER &
RICHARD P. THAYER REVOCABLE TRUST
22 FARMINGTON ROAD, ROUTE 11
ROCHESTER, NH 03867
TAX MAP 216, LOTS 2 & 3**

REVISION	DATE	DESCRIPTION

[illegible]

TYPICAL TRENCH PATCH
NOT TO SCALE

BITUMINOUS CONCRETE PAVEMENT SECTION

[illegible]

Using 6' x 8' Sheet Pile Wall

- 1) REMOVE TWO COATS OF PLASTER ON ALL EXPOSED WALLS.
- 2) SET APPROXIMATE BRIT PLUMB LINE LOCATION OF FINISHED GRADELINE.
- 3) MARKED BRACE ONLY WHERE MARKED ON THE PLAN.

PARKING SPACE DETAIL

C16

TYPICAL SIGN POST
(NOT TO SCALE)

PARKING STALL SIGNAGE FOR THE PHYSICALLY CHALLENGED

C-101

	BERRY SURVEYING & COMPANY ENGINEERING 335 SECOND CROWN POINT ROAD BARRINGTON, NH 03825 (603)332-2863
	SCALE : AS MARKED
	DATE : FEBRUARY 8, 2016
	FILE NO. : DB 2015 - 057

CONSTRUCTION DETAILS
LAND OF DAVID S. THAYER &
RICHARD P. THAYER REVOCABLE TRUST
22 FARMINGTON ROAD, ROUTE 11
ROCHESTER, NH 03867
TAX MAP 218, LOTS 2 & 3

REVISION	DATE	BY

TREE TO BE SET PLUMB
AFTER ESTABLISHMENT

DO NOT HEAVY PRUNE TREE
AT PLANTING PRUNE ONLY
TOP BRANCHES

CO-ORDINATE LAYOUT AND
DRAINAGE OF DEAD BRANCHES

REMOVE STINGS AND
BRANCHES FROM
HORIZONTALS AND
REMOVE WEST BRANCHES

THIN CROWN AND TOP OF
CROWN (TRUNK FLANGE IS
CRITICAL) SHOULD BE AT
LEAST 10% OF TOTAL HEIGHT
TO BRANCH FROM THE
TRUNK

1 SWEETGUM BARK
EXTRACTED FROM TRUNK

EVERGREEN TREE PLANTING

10' DIAMETER CANOPY

10' x 10' FOOTPRINT

10' x 10' FOOTPRINT

TYPICAL STRIP PLANTING

The diagram illustrates the structure of a deciduous tree. The crown is the upper part of the tree, consisting of branches and leaves. Branches are the upper limbs, and limbs are the lower limbs. The trunk is the main stem, which is covered in bark. The heartwood is the inner wood, and the sapwood is the outer wood. The cambium is the growth layer, and the pith is the center. The roots are underground, with a taproot and lateral roots. Stomata are pores on the leaves.

18

[illegible][illegible]

TREE PLANTING ON SLOPES

BIORETENTION SCALE CROSS SECTION
SEE DETAIL 19

REVISION	DATE	DESCRIPTION

53

Diagram illustrating the components and dimensions of a trencher:

- Labels:
 - CLASH, 3" IF LEFT AND COVER
 - 1"
 - 8" PNEUMATIC
 - 8" PNEUMATIC
 - 8" PNEUMATIC
 - SELECTED MATERIAL
 - 45° BEND
 - 8" PNEUMATIC
 - CONCRETE SUPPORT
 - 30" DIA. & 10' HIGH
 - 8" PNEUMATIC
 - COMPACTED CRUSHED STONE (6" MAX.)
 - DEPTH AS DIRECTED
- Dimensions:
 - CLASH, 3" IF LEFT AND COVER
 - 1"
 - 8" PNEUMATIC
 - 8" PNEUMATIC
 - 8" PNEUMATIC
 - 45° BEND
 - 8" PNEUMATIC
 - 30" DIA. & 10' HIGH
 - 8" PNEUMATIC
 - CONCRETE SUPPORT
 - 8" PNEUMATIC
 - CLASH, 3" IF LEFT AND COVER

SECRET

NOT TO SCALE

U4

1. PAYMENT HEREIN FOR THIS ROADWAY SHALL
BE PAID TO STREET PAVING CONTRACTORS.
2. NEW ROADWAY CONSTRUCTION SHALL CONFORM TO
STANDARD SPEC.

NOTES

EDGE CONSTRUCTION

Ⓐ CAR IN CONSTRUCTION
NOT TO SCALE

GEARIN CONSTRUCTION WITH SHEETING

U8
ONE STANDARD FULL LENGTH OF WATER
MADE TO BE CONTAINED OVER SEWER

WATER WASH TEST. DRAW 1" ABOVE FLOORING PER

ONE STANDARD FULL LENGTH OF WAY
WAY TO BE COUNTER UNDER SEVEN

THE NEW YORK PUBLIC LIBRARY

1. HORIZONTAL AND VERTICAL AXIS AND SPIN OR NOT SHALL BE 10
2. HORIZONTAL AND VERTICAL AXIS AND SPIN OR NOT SHALL BE 10
3. HORIZONTAL AND VERTICAL AXIS AND SPIN OR NOT SHALL BE 10
4. HORIZONTAL AND VERTICAL AXIS AND SPIN OR NOT SHALL BE 10

CROSSING DETAILS

NOT TO SCALE

CROSSING DETAILS
NOT TO SCALE

NOT TO SCALE

TYPICAL TRENCH DETAIL
FOR WATER SYSTEM

69

1.875

FLUSH WITH GRASS

12" MIN.

CONTAINED IN VALUE 56
Box bottom

BULLET, CASING
AND TOP OF BULLET

VALVE BOX DETAIL

U10
6" TRANSITION
N.L. & SON 35

—

SHUTOFF VALVE DETAIL
NOT TO SCALE

U-101

SEIT 2007

BERRY SURVEYING & ENGINEERING
335 SECOND CROWN POINT ROAD
BARRINGTON, NH 03825 (603)332-2863

SCALE : AS MARKED

DATE : FEBRUARY 8, 2016

FILE NO. : DB 2015 - 047

UTILITY DETAILS
LAND OF DAVID S. THAYER &
RICHARD P. THAYER REVOCABLE TRUST
22 FARMINGTON ROAD, ROUTE 11
ROCHESTER, NH 03867
TAX MAP 218, LOTS 2 & 3

REVISION	DATE	DESCRIPTION