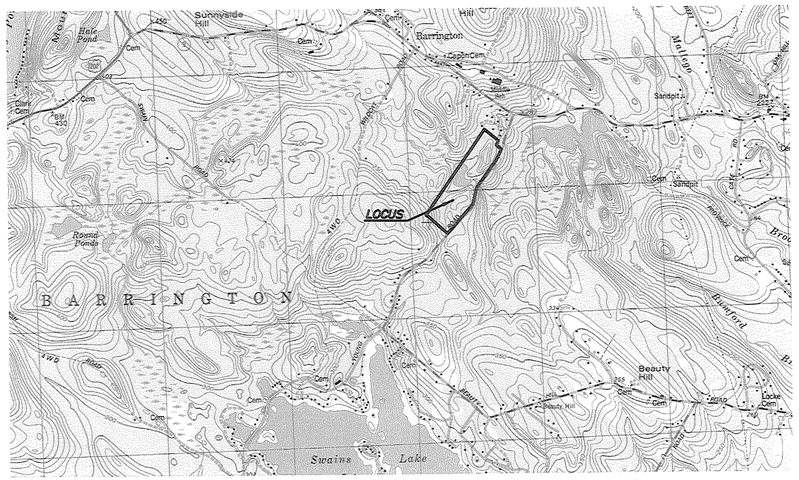
Subdivision

Prepared for

Fisheye Properties LLC



1" = 2,000'±

Tax Map 240 / Lot 15

Young Road

Barrington

New Hampshire

November 15, 2010

Revised 08/03/2011 add monuments

SURVEYOR:
David W. Vincent, LLS
Land Surveying Services
19 Morgans Way
Barrington, NH 03825-3350
TEL: (603) 664-5786
FAX: (603) 664-3274
www.landsurveyingservices.net

CISTERN ENGINEER:
Haight Engineering, PLLC
PO Box 1166
Dover, NH 03821
TEL: (603) 750-4266
FAX: (603) 749-7348
haighteng.com

WETLAND/SOIL SCIENTIST:
John P. Hayes, III
400 Portsmouth Avenue, #1
Greenland, NH 03840
TEL: (603) 205-4396

ROAD EASEMENT ENGINEER:
Norway Plains Associates, Inc.
PO Box 249
Rochester, NH 03866-0249
TEL: (603) 335-3948
FAX: (603) 332-0098

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Test Pit & Lot Calculations:	Sheet 6.
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Proposed Slope, Grading & Sight Line Plan:	Sheet C-1.

DWG NAME: 022cov

10_022

Legend:

C1	See Curve Table
L1	See Length Table
SCRD	Strafford County Registry of Deeds
	Utility Pole
	Iron Rod Found
	Iron Pipe Found
	Iron Rod Set
	Granite Bound Found
	Granite Bound Set
	Drill Hole Set
	Stone Wall
	Edge of Jurisdictional Wetlands
	Min. Building Setback
D	Culvert

Notes:

1.) The purpose of this plan is to subdivide the parcel into twelve single family building lots. Proposed Lots will be served by individual wells and septic systems.

2.) Field Procedure: Topcon (GTS-226) Electronic Total Station Instrument & Carlson Explorer II Data Collector, Adjusted Closed Traverse Performed September/October 2010, Least Squares Balance.

3.) Error of Closure Better Than 1:16,000.

4.) Parcel is depicted as Lot 15 on the Town of Barrington Assessor's Map 240. Parcel is in Current Use Taxation.

5.) Parcel is located in the Town of Barrington Neighborhood Residential District and Wetlands Protection Overlay Districts.

6.) Owner of Record: Fisheye Properties LLC
PO Box 250
Union, NH 03887
SCRD Bk 3855, Pg 63

7.) This plan does not show any unrecorded or unwritten easements which may exist. A reasonable and diligent attempt has been made to observe any apparent, visible uses of the land; however this does not constitute that no such easements exist.

8.) Parcel is not located in a Flood Hazard Zone as depicted on NFIP FIRM, Stratford County, New Hampshire (All Jurisdictions). Map Number 33017C0285D, Effective date May 17, 2005.

9.) Prime Wetlands No. 21 is located on the subject parcel as depicted on Sheet 8 of the Town of Barrington Prime Wetlands Map, dated Jan, 1991, prepared by IEP, INC. of Portsmouth, NH.

10.) The wetland areas shown hereon were field delineated by John P. Hayes, III, NH Certified Wetland Scientist No. 18, of Greenland, NH. The wetland locations were delineated in accordance with the Corp. of Engineers 1987 Wetland delineation Manual. There are no vernal pools located on the subject property.

11.) Total Lot Area: 2,025,811 s.f. or 46.51 Acres.

12.) Topographic data shown was provided by Eastern Topographics of Wolfeboro, NH. Aerial topography dated May 2003. Horizontal datum based upon State Plane Coordinates and vertical datum based upon USGS of 1929.

13.) NHDES Subdivision Approval No.: SA2011009555, dated 01/28/2011.

14.) Required erosion control measures shall be installed prior to any disturbance of the site's surface area and shall be maintained through the completion of all construction activities. If, during construction, it becomes apparent that additional erosion control measures are required to stop any erosion on the construction site due to actual site conditions, the owner shall be required to install the necessary erosion protection at no expense to the town.

15.) A sixteen foot (16') paved apron shall be installed at the driveway entrance of the lots prior to the issuance of an occupancy permit.

16.) All required fire protection standards shall be operative prior to issuance of any building permits.

17.) If, during construction, it becomes apparent that deficiencies exist in approved design drawings, the owner shall be required to correct the deficiencies to meet the requirements of the regulations at no expense to the Town.

18.) All materials and methods of construction shall conform to Town Regulations and the latest edition of the NHDOT's Standard Specifications for Road and Bridge Construction.

References:

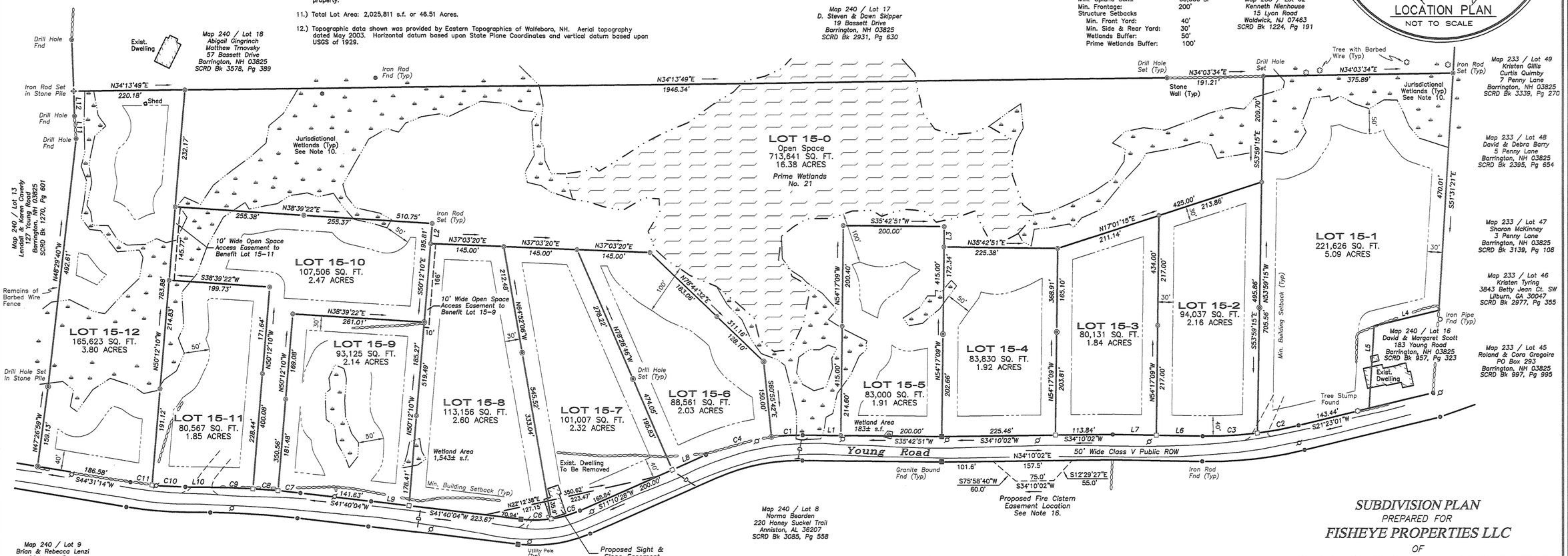
1. "Plan of Land A. A. Miller, Barrington, NH," dated April 1947, prepared by Grant L. Davis, not recorded.
2. "Plan of Land of Harry Goodstein, Barrington, NH," dated Nov. 1974, prepared by T. W. Chesley, SCRD Pocket 8, Folder 3, Plan No. 46.
3. "Exempt Subdivision, W. Sherburne Swain Property, Barrington, NH," dated Oct. 1974, prepared by Frederick E. Drew & Assoc., SCRD Plan No. 18-30.
4. "Subdivision Plan, Arthur Buzzell, Barrington, NH," dated July 1986, prepared by Frederick E. Drew & Assoc., SCRD Plan No. 28A-77.
5. "Right of Way Reestablishment Plan Young Road, Barrington, NH," dated Jan. 1993, prepared by Frederick E. Drew & Assoc., Plan No. A-1923, not recorded.
6. "Plan of Land for Lisa A Reinke & Rex Polley, Barrington, NH," dated July 12, 2005, prepared by Berry Surveying & Engineering, File No. DB 2004-082, not recorded.

NH Grid North

For Registry of Deeds Purposes

Barrington Zoning Requirements;

Min. Lot Area:	80,000 SF
Min. Upland Soils:	60,000 SF
Min. Frontage:	200'
Structure Setbacks	
Min. Front Yard:	40'
Min. Side & Rear Yard:	30'
Wetlands Buffer:	50'
Prime Wetlands Buffer:	100'



Length Table:

LINE	BEARING	DISTANCE
L1	S35°42'51"W	75.33'
L2	S50°12'10"E	40.00'
L3	S54°17'09"E	40.00'
L4	S21°30'27"W	132.00'
L5	S51°28'18"W	163.12'
L6	S36°02'15"W	91.93'
L7	S36°02'15"W	86.21'
L8	S11°10'28"W	73.09'
L9	S41°40'04"W	75.00'
L10	S35°28'04"W	49.83'
L11	N58°57'19"W	45.40'
L12	N56°44'31"W	49.14'

Curve Table:

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE
C1	460.00'	62.23'	07°45'04"
C2	750.00'	83.42'	06°22'21"
C3	750.00'	108.40'	08°16'53"
C4	460.00'	134.79'	16°47'20"
C5	225.00'	59.87'	15°14'48"
C6	225.00'	59.87'	15°14'48"
C7	1650.00'	44.46'	01°32'38"
C8	1650.00'	50.00'	01°44'11"
C9	1650.00'	84.09'	02°55'12"
C10	700.00'	66.08'	05°24'32"
C11	700.00'	43.08'	03°31'35"

TOWN OF BARRINGTON
PLANNING BOARD APPROVAL

The subdivision regulations of the Town of Barrington are part of this plat and approval of this plat is contingent upon completion of said requirements of said subdivision regulations, excepting only modifications made in writing by the boards and attached hereto.

STATE OF NEW HAMPSHIRE JOHN P. HAYES, III No. 181 CERTIFIED WETLAND SCIENTIST

I certify, that this plan based upon the plan references and a field survey conducted on the ground between August 5, 2010 and September 30, 2010, meet the minimum requirements for accuracy and completeness per the State of New Hampshire and the Town of Barrington and the Error of Closure meets or exceeds 1:10,000.

STATE OF NEW HAMPSHIRE No. 821 DAVID W. VINCENT LICENSED LAND SURVEYOR SIGNATURE

David W. Vincent, LLS No. 821 — 3 August 2011 Date

Fisheye Properties LLC — Date

NO.	DATE	DESCRIPTION	BY
4	8/3/11	mons. set & rev. sight esmnt	dwv
3	2/3/11	add DES approval & sight esmnt	dwv
2	1/26/11	rev per DES comments	dwv
1	12/28/10	rev per PB & DES comments	dwv

SUBDIVISION PLAN
PREPARED FOR
FISHEYE PROPERTIES LLC
OF
BARRINGTON TAX MAP 240 / LOT 15
LOCATED AT
YOUNG ROAD
COUNTY OF STRAFFORD
BARRINGTON, NH

FEET 100 0 50 100 200 400
METERS 0 10 20 40 80 120

SCALE: 1"= 100' DATE: NOVEMBER 15, 2010

DAVID W. VINCENT, LLS
LAND SURVEYING SERVICES
19 MORGANS WAY
BARRINGTON, NH 03825-3350
TEL: (603) 664-5786
www.landsurveyingservices.net

DWG NAME: 022sub | FB: 38/6-16

Legend:

C1	See Curve Table
L1	See Length Table
EDA	Effluent Disposal Area (4,000 s.f.)
	Utility Pole
	Iron Rod Found
	Iron Pipe Found
	Granite Bound Found
	Drill Hole Found
	Stone Wall
	Edge of Jurisdictional Wetlands
	Min. Building Setback
D	Culvert

Curve Table:

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE
C1	1650.00'	44.46'	01°32'38"
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C3	1650.00'	84.09'	02°55'12"
C4	700.00'	66.08'	05°24'32"
C5	700.00'	43.08'	03°31'35"

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DIG SAFE
1-888-DIG-SAFE

NO.	DATE	DESCRIPTION	BY
4			
3	8/3/11	rev. sight esmnt	dwv
2	2/3/11	add DES approval & sight esmnt	dwv
1	12/28/10	rev per PB & DES comments	dwv

STATE OF NEW HAMPSHIRE — No. 3247 — DAVID W. VINCENT — SIGNATURE — LICENSED LAND SURVEYOR

STATE OF NEW HAMPSHIRE — Designer of Subsurface Disposal Systems — David W. Vincent No. 1413 — Department of Environmental Services

JOHN P. HAYES, III — No. 18 — CERTIFIED WETLAND SCIENTIST

AUG 03 2011

SUBDIVISION SITE PLAN
PREPARED FOR
FISHEYE PROPERTIES LLC
OF
BARRINGTON TAX MAP 240 / LOT 15
LOCATED AT
YOUNG ROAD
COUNTY OF STRAFFORD
BARRINGTON, NH

FEET 100 0 50 100 200 400
METERS 0 10 20 40 80 120

SCALE: 1"= 50' DATE: NOVEMBER 15, 2010

DAVID W. VINCENT, LLS
LAND SURVEYING SERVICES
19 MORGANS WAY
BARRINGTON, NH 03825-3350
TEL: (603) 664-5786
www.landsurveyingservices.net

DWG NAME: 022sit_1 | FB: 38/6-16

10_022

Legend:

C1	See Curve Table
L1	See Length Table
EDA	Effluent Disposal Area (4,000 s.f.)
	Utility Pole
	Iron Rod Found
	Iron Pipe Found
	Granite Bound Found
	Drill Hole Found
	Stone Wall
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D	Culvert

Curve Table:

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE
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C8	225.00'	59.87'	15°14'48"
C9	460.00'	62.23'	07°45'04"

STATE OF NEW HAMPSHIRE No. 821 DAVID W. VINCENT LICENSED LAND SURVEYOR SIGNATURE

AUG 03 2011

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ★★★ David W. Vincent No. 1413 Department of Environmental Services

STATE OF NEW HAMPSHIRE JOHN P. HAYES, III No. 18 CERTIFIED WETLAND SCIENTIST

SUBDIVISION SITE PLAN
PREPARED FOR
FISHEYE PROPERTIES LLC
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BARRINGTON TAX MAP 240 / LOT 15
LOCATED AT
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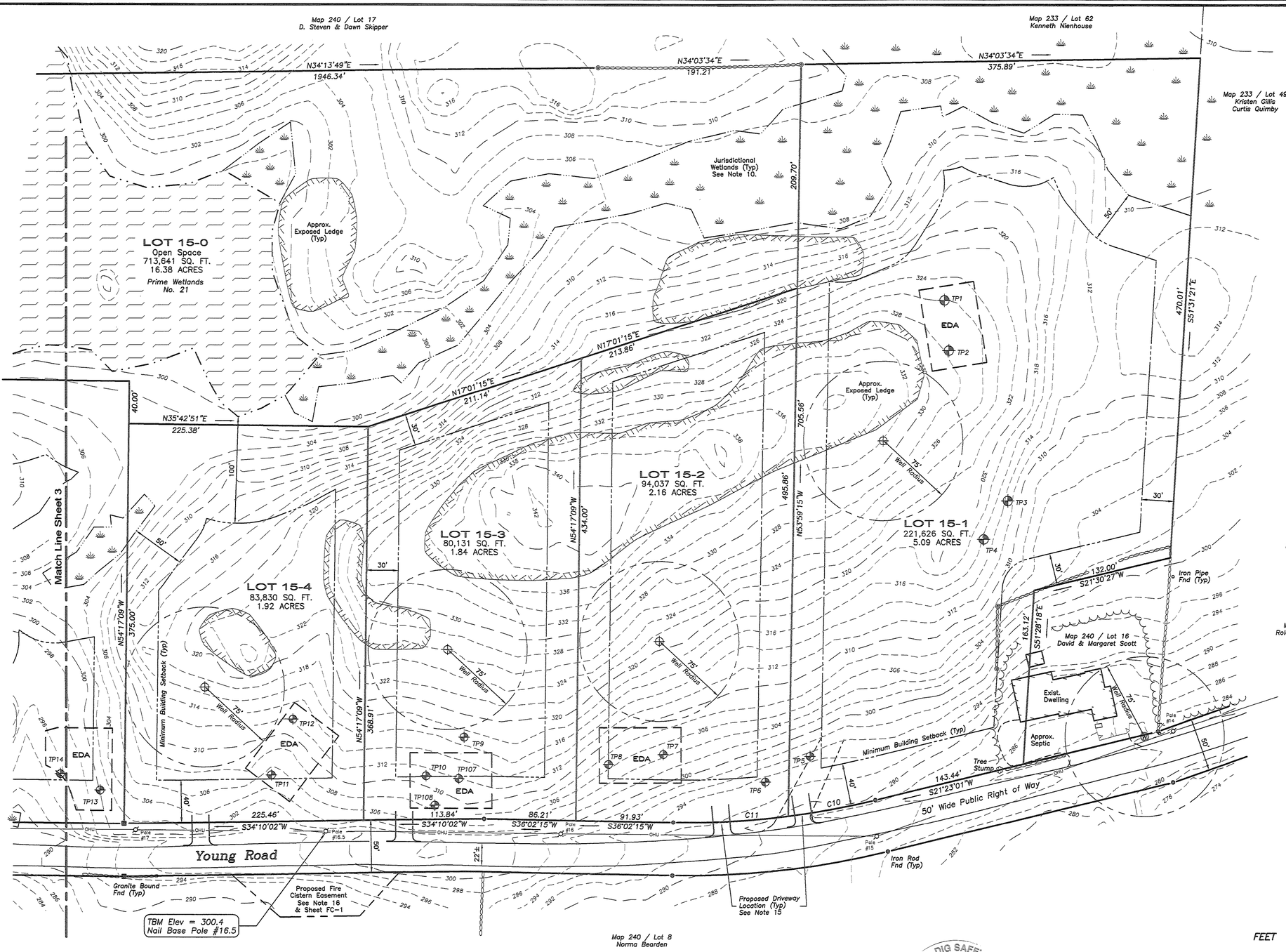
NO.	DATE	DESCRIPTION	BY
4			
3	8/3/11	rev. sight esmnt	dwv
2	2/3/11	add DES approval & sight esmnt	dwv
1	12/28/10	rev per PB & DES comments	dwv

DWG NAME: 022sit_2 | FB: 38/6-16

SHEET 3 OF 6

10_022



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STATE OF NEW HAMPSHIRE LICENSED LAND SURVEYOR No. 821 DAVID W. VINCENT SIGNATURE

AUG 03 2011

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JOHN P. HAYES, III No. 18 CERTIFIED WETLAND SCIENTIST

SUBDIVISION SITE PLAN

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OF

BARRINGTON TAX MAP 240 / LOT 15

LOCATED AT

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FEET 100 0 50 100 200 400

METERS 0 10 20 40 80 120

SCALE: 1"= 50' DATE: NOVEMBER 15, 2010

DAVID W. VINCENT, LLS

LAND SURVEYING SERVICES

19 MORGANS WAY

BARRINGTON, NH 03825-3350

TEL: (603) 664-5786

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DIG SAFE 1-888-DIG-SAFE

Curve Table:

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE
C10	750.00'	83.42'	06°22'21"
C11	750.00'	108.40'	08°16'53"

NO.	DATE	DESCRIPTION	BY
4			
3	8/3/11	rev. sight esmnt	dwv
2	2/3/11	add DES approval & sight esmnt	dwv
1	12/28/10	rev per PB & DES comments	dwv

DWG NAME: 022sit_3 | FB: 38/6-16

TEST PIT DATA:

Date: 20 July 2010

TEST PIT No. 1

DEPTH (in.)	DESCRIPTION
	Forest Mat Removed
00–14	10YR 3/3, Dark Brown, fine sandy loam, granular, friable
14–23	2.5Y 5/6, Light Olive Brown, fine sandy loam, granular, friable
23–72	2.5Y 5/4, Light Olive Brown, stony loamy fine sand, massive, firm with redox features

ESHWT = 23" Observed water table = none Restrictive layer = 23" Refusal = 72" Roots to 38"±

Per. Rate = 8 min./in. at 30 in.

TEST PIT No. 2

DEPTH (in.)	DESCRIPTION
	Forest Mat Removed
00–03	10YR 3/2, Very Dark Yellowish Brown, fine sandy loam, granular, friable
03–21	10Y 5/6, Brownish Yellow, fine sandy loam, granular, friable
21–57	2.5Y 5/6, Light Olive Brown, stony loamy fine sand, massive, firm with redox features

ESHWT = 21" Observed water table = none Restrictive layer = 21" Refusal = 57" Roots to 31"±

TEST PIT No. 3

DEPTH (in.)	DESCRIPTION
	Forest Mat Removed
00–03	10YR 3/3, Dark Brown, fine sandy loam, granular, friable
03–21	10YR 5/6, Yellowish Brown, loamy fine sand, granular, friable
21–54	2.5Y 6/4, Light Yellowish Brown, stony fine sandy loam, massive, firm with redox features

ESHWT = 21" Observed water table = none Restrictive layer = 21" Refusal = 54" Roots to 21"±

TEST PIT No. 4

DEPTH (in.)	DESCRIPTION
	Forest Mat Removed
00–14	10YR 5/6, Yellowish Brown, fine sandy loam, granular, friable
14–23	2.5Y 5/6, Light Olive Brown, fine sandy loam, granular, friable
23–72	2.5Y 5/4, Light Olive Brown, stony loamy fins sand, massive, firm with redox features

ESHWT = 23" Observed water table = none Restrictive layer = 72" Refusal = 27" Roots to 15"±

Per. Rate = 6 min./in. at 27 in.

TEST PIT No. 5

DEPTH (in.)	DESCRIPTION
	Forest Mat Removed
00–26	10YR 6/6, Brownish Yellow, fine sandy loam, granular, friable
26–64	2.5Y 5/8, Light Olive Brown, fine sandy loam, massive, firm with redox features

ESHWT = 26" Observed water table = none Restrictive layer = 26" Refusal = none Roots to 21±

Per. Rate = 8 min./in. at 30 in.

TEST PIT No. 6

DEPTH (in.)	DESCRIPTION
	Forest Mat Removed
00–20	10YR 5/6, Yellowish Brown, fine sandy loam, granular, friable
20–65	2.5Y 5/6, Light Olive Brown, fine sandy loam, massive, firm with redox features

ESHWT = 20" Observed water table = none Restrictive layer = 20" Refusal = none Roots to 20"±

TEST PIT No. 7

DEPTH (in.)	DESCRIPTION
03–00	Forest Mat
00–21	10YR 5/6, Yellowish Brown, fine sandy loam, granular, friable
21–54	2.5Y 5/6, Light Olive Brown, loamy fine sand, massive firm with redox features

ESHWT = 21" Observed water table = none Restrictive layer = 21" Refusal = 54" Roots to 21"±

Per. Rate = 9 min./in. at 20 in.

TEST PIT No. 8

DEPTH (in.)	DESCRIPTION
03–00	Forest Mat
00–20	10YR 6/6, Brownish Yellow, fine sandy loam, granular, friable
20–52	2.5Y 6/6, Olive Yellow, loamy fine sand, massive, firm with redox features

ESHWT = 20" Observed water table = none Restrictive layer = 20" Refusal = none Roots to 20"±

Per. Rate = 9 min./in. at 30 in.

TEST PIT No. 9

DEPTH (in.)	DESCRIPTION
03–00	Forest Mat
00–20	10YR 5/6, Yellowish Brown, fine sandy loam, granular, friable
20–29	2.5Y 4/4, Olive Brown, loamy sand, massive, firm with redox features

ESHWT = 20" Observed water table = none Restrictive layer = 20" Refusal = 29" Roots to 20"±

Per. Rate = 6 min./in. at 30 in.

TEST PIT No. 10

DEPTH (in.)	DESCRIPTION
03–00	Forest Mat
00–19	10YR 5/6, Brownish Yellow, fine sandy loam, granular, friable
19–52	2.5Y 6/4, Light Yellowish Brown, loamy fine sand, massive, firm with redox features

ESHWT = 19" Observed water table = none Restrictive layer = 19" Refusal = 52" Roots to 19±

Per. Rate = 9 min./in. at 20 in.

TEST PIT No. 11

DEPTH (in.)	DESCRIPTION
03–00	Forest Mat
00–22	10YR 5/6, Yellowish Brown, fine sandy loam, granular, friable
22–70	2.5Y 6/4, Yellowish Brown, loamy fine sand, massive, firm with redox features

ESHWT = 22" Observed water table = none Restrictive layer = 22" Refusal = 70" Roots to 22"±

TEST PIT No. 12

DEPTH (in.)	DESCRIPTION
03–00	Forest Mat
00–23	10YR 5/6, Yellowish Brown, loamy fine sand, granular, friable
23–53	2.5Y 5/46, Light Olive Brown, loamy fine sand, massive firm with redox features

ESHWT = 23" Observed water table = none Restrictive layer = 23" Refusal = 53" Roots to 23"±

Per. Rate = 10 min./in. at 24 in.

TEST PIT No. 13

DEPTH (in.)	DESCRIPTION
04–00	Forest Mat
00–23	10YR 5/6, Yellowish Brown, loamy fine sand, granular, friable
23–53	2.5Y 5/46, Light Olive Brown, loamy fine sand, massive firm with redox features

ESHWT = 20" Observed water table = none Restrictive layer = 20" Refusal = 52" Roots to 22"±

Per. Rate = 10 min./in. at 20 in.

TEST PIT No. 14

DEPTH (in.)	DESCRIPTION
04–00	Forest Mat
00–19	10YR 5/6, Yellowish Brown, fine sandy loam, granular, friable
19–51	2.5Y 5/4, Light Olive Brown, loamy fine sand, massive, firm with redox features

ESHWT = 19" Observed water table = none Restrictive layer = 19" Refusal = 51" Roots to 18"±

Per. Rate = 8 min./in. at 30 in.

TEST PIT No. 15

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
03–11	7.5YR 5/8, Strong Brown, stony very fine sandy loam, granular, friable
11–46	10YR 5/6, Yellowish Brown, stony very fine sandy loam, granular, friable

ESHWT = none Observed water table = none Restrictive layer = none Refusal = 46" Roots to 33±

Per. Rate = 10 min./in. at 30 in.

TEST PIT No. 16

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–03	10YR 3/4, Dark Yellowish Brown, very fine sandy loam, granular, friable
03–17	7.5YR 5/8, Strong Brown, stony very fine sandy loam, granular, friable
17–44	10YR 5/6, Yellowish Brown, stony very fine sandy loam, granular, friable

ESHWT = none Observed water table = none Restrictive layer = none Refusal = 44" Roots to 28"±

TEST PIT No. 17

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–03	10YR 6/4, Dark Yellowish Brown, very fine sandy loam, granular, friable
03–21	2.5Y 5/4, Light Olive Brown, stony very fine sandy loam, granular, friable
21–60	2.5Y 5/4, Rotten/fragmented ledge

ESHWT = none Observed water table = none Restrictive layer = 21" Refusal = 60" Roots to 40"±

TEST PIT No. 18

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–03	10YR 6/4, Dark Yellowish Brown, very fine sandy loam, granular, friable
03–20	2.5Y 6/4, Light Yellowish Brown, stony very fine sandy loam, massive, friable
20–50	2.5Y 6/8, Olive Yellow, loamy sand, massive, firm

ESHWT = none Observed water table = none Restrictive layer = 20" Refusal = 50" Roots to 36"±

Per. Rate = 12 min./in. at 20 in.

TEST PIT No. 19

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–03	10YR 3/3, Dark Brown, very fine sandy loam, granular, friable
03–20	10YR 6/6, Brownish Yellow, stony very fine sandy loam, granular, friable
20–45	2.5Y 6/4, Light Yellowish Brown, stony very fine sandy loam, massive, firm

ESHWT = none Observed water table = none Restrictive layer = 20" Refusal = 45" Roots to 30"±

TEST PIT No. 20

DEPTH (in.)	DESCRIPTION
03–00	Forest Mat
00–03	10YR 6/6, Dark Yellowish Brown, very fine sandy loam, granular, friable
03–20	10YR 6/6, Yellowish Brown, stony very fine sandy loam, granular, friable
20–54	2.5Y 6/4, Light Yellowish Brown, stony very fine sandy loam, massive, firm

ESHWT = none Observed water table = none Restrictive layer = 20" Refusal = 54" Roots to 20±

Per. Rate = 10 min./in. at 20 in.

TEST PIT No. 21

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–03	10YR 3/4, Dark Yellowish Brown, very fine sandy loam, granular, friable
03–14	10YR 5/6, Yellowish Brown, very fine sandy loam, granular, friable
14–26	2.5Y 6/4, Light Yellowish Brown, very fine sandy loam, granular, friable with redox features

ESHWT = 14" Observed water table = none Restrictive layer = 14" Refusal = 26" Roots to 12"±

TEST PIT No. 22

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–02	10YR 3/4, Dark Yellowish Brown, very fine sandy loam, granular, friable
02–15	10YR 5/6, Yellowish Brown, very fine sandy loam, granular, friable
15–33	2.5Y 6/4, Light Yellowish Brown, very fine sandy loam, massive, firm with redox features

ESHWT = 15" Observed water table = none Restrictive layer = 15" Refusal = 33" Roots to 15"±

Per. Rate = 8 min./in. at 30 in.

TEST PIT No. 23

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–06	10YR 3/3, Dark Yellowish Brown, very fine sandy loam, granularr, friable
06–12	10YR 5/6, Yellowish Brown, fine sandy loam, granular, friable
12–22	2.5Y 5/6, Light Olive Brown, fine sandy loam, massive, friable
22–38	2.5Y 5/6, Light Olive Brown, fine sandy loam, massive, firm in place, with redox features

ESHWT = 22" Observed water table = none Restrictive layer = 22" Refusal = 38" Roots to 15"±

Per. Rate = 12 min./in. at 24 in.

TEST PIT No. 24

DEPTH (in.)	DESCRIPTION
03–00	Forest Mat
00–03	10YR 3/3, Dark Yellowish Brown, very fine sandy loam, granularr, friable
03–22	10YR 5/6, Yellowish Brown, fine sandy loam, granular, friable
22–30	2.5Y 6/4, Light Yellowish Brown, fine sandy loam, massive, firm in place, with redox features

ESHWT = 22" Observed water table = none Restrictive layer = none Refusal = 30" Roots to 22"±

Per. Rate = 12 min./in. at 24 in.

NEW HAMPSHIRE
Designer
of
Subsurface Disposal
Systems
* * *
David W. Vincent
No. 1413
Department of Environmental Services

JAN 06 2011

NO.	DATE	DESCRIPTION	BY
4			
3			
2			
1	12/28/10	rev per PB & DES comments	dwv

TEST PIT SHEET
PREPARED FOR
FISHEYE PROPERTIES LLC
OF
TAX MAP 240 / LOT 15
LOCATED AT
YOUNG ROAD
COUNTY OF STRAFFORD
BARRINGTON, NH

DATE: NOVEMBER 15, 2010

DAVID W. VINCENT, LLS
LAND SURVEYING SERVICES
19 MORGANS WAY
BARRINGTON, NH 03825–3350
TEL: (603) 664–5786
www.landsurveyingservices.net

DWG NAME: 022tp | FB: TP4/39–56

10_022

TEST PIT DATA:
Date: 20 July 2010

TEST PIT No. 25

DEPTH (in.)	DESCRIPTION
	Forest Mat Removed
00–07	10YR 6/2, Light Brownish Gray, very fine sandy loam, granular, friable
07–17	10YR 6/4, Light Yellowish Brown, stonyfine loamy sand, granular, friable
17–40	10YR 6/4,Light Yellowish Brown, stony loamy sand, massive, firm with redox features

ESHWT = 17" Observed water table = none Restrictive layer = 17" Refusal = 40" Roots to 12"±

TEST PIT No. 26

DEPTH (in.)	DESCRIPTION
	Forest Mat Removed
00–03	10YR 3/3, Very Dark Brown, very fine sandy loam, granular, friable
03–16	10Y/R 5/6, Yellowish Brown, very fine sandy loam, granular, friable
16–30	2.5Y 6/4, Light Yellowish Brown, stony very fine sandy loam, granular, friable

ESHWT = none Observed water table = none Restrictive layer = none Refusal = 30" Roots to 12"±

TEST PIT No. 27

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–02	10YR 3/4, Dark Yellowish Brown, very fine sandy loam, granular, friable
02–18	10YR 5/6, Yellowish Brown, very fine sandy loam, granular, friable
18–47	2.5Y 6/4, Light Yellowish Brown, very fine sandy loam, massive, firm with redox features

ESHWT = 18" Observed water table = none Restrictive layer = 18" Refusal = 47" Roots to 37"±

TEST PIT No. 28

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–05	10YR 3/3, Dark Brown, very fine sandy loam, granular, friable
05–38	2.5Y 5/6, Light Olive Brown, very fine sandy loam, granular, friable

ESHWT = none Observed water table = none Restrictive layer = none Refusal = 38" Roots to 30"±

Per. Rate = 8 min./in. at 27 in.

TEST PIT DATA:
Date: 27 September 2010

TEST PIT No. 14A

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–03	2.5Y 3/3, Dark Olive Brown, very fine sandy loam, granular, friable
03–24	10YR 6/6, Brownish Yellow, very fine sandy loam, granular, friable
24–68	2.5Y 5/6, Light Olive Brown, very fine sandy loam, massive, firm with Redox features

ESHWT = 24" Observed water table = none Restrictive layer = 24" Refusal = 68" Roots to 24"±

Per. Rate = 8 min./in. at 24 in.

TEST PIT No. 14B

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–03	2.5Y 3/3, Dark Olive Brown, very fine sandy loam, granular, friable
03–25	10YR 6/6, Brownish Yellow, very fine sandy loam, granular, friable
25–90	2.5Y 5/6, Light Olive Brown, very fine sandy loam, massive, firm with redox features

ESHWT = 25" Observed water table = none Restrictive layer = 25" Refusal = none Roots to 25"±

Per. Rate = 10 min./in. at 26 in.

TEST PIT No. 10A

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–20	10YR 6/6, Brownish Yellow, loamy fine sand, granular, friable
20–37	10YR 6/6, Brownish Yellow, loamy fine sand, massive firm with redox features

ESHWT = 20" Observed water table = none Restrictive layer = 20" Refusal = 37" Roots to 20"±

TEST PIT No. 10B

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–20	10YR 6/6, Brownish Yellow, fine sandy loam, granular, friable
20–40	10YR 6/6, Brownish Yellow, loamy fine sand, massive, firm with redox features

ESHWT = 20" Observed water table = none Restrictive layer = 20" Refusal = 40" Roots to 20"±

Per. Rate = 10 min./in. at 20 in.

TEST PIT DATA:
Date: 10 December 2010

TEST PIT No. 100

DEPTH (in.)	DESCRIPTION
03–00	Forest Mat
00–03	2.5Y 3/3, Dark Olive Brown, very fine sandy loam, granular, friable
03–28	10YR 6/6, Brownish Yellow, very fine sandy loam, granular, friable
28–52	2.5Y 5/6, Light Olive Brown, loamy sand, massive, firm

ESHWT = none Observed water table = none Restrictive layer = 28" Refusal = none Roots to 28"±

TEST PIT No. 101

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–03	10YR 3/3, Very Dark Brown, very fine sandy loam, granular, friable
03–26	10YR 56/6, Yellowish Brown, very fine sandy loam, granular, friable
26–50	2.5Y 5/4, Light Olive Brown, loamy fine sand, massive, firm with redox features

ESHWT = 26" Observed water table = none Restrictive layer = 26" Refusal = none Roots to 26"±

TEST PIT No. 102

DEPTH (in.)	DESCRIPTION
03–00	Forest Mat
00–21	10YR 5/6, Yellowish Brown, fine sandy loam, granular, friable
21–28	2.5Y 5/4, Light Olive Brown, fine sandy loam granular, friable
28–47	2.5Y 5/4, Light Olive Brown, fine sandy loam, massive firm with redox features

ESHWT = 28" Observed water table = none Restrictive layer = 28" Refusal = none Roots to 24"±

TEST PIT No. 103

DEPTH (in.)	DESCRIPTION
04–00	Forest Mat
00–25	10YR 6/6, Yellowish Brown, fine sandy loam, granular, friable
25–47	2.5Y 5/4, Light Olive Brownw, fine sandy loam, massive, firm with redox features

ESHWT = 25" Observed water table = none Restrictive layer = 25" Refusal = 40" Roots to 24"±

TEST PIT No. 104

DEPTH (in.)	DESCRIPTION
03–00	Forest Mat
00–12	10YR 5/6, Yellowish Brown, very fine sandy loam, granular, friable
12–23	2.5Y 6/6, Olive Yellow, fine sandy loam, granular, friable
23–38	2.5Y 6/6, Olive Yellow, fine sandy loam, massive, firm with Redox features

ESHWT = 23" Observed water table = none Restrictive layer = 23" Refusal = 38" Roots to 18"±

TEST PIT No. 105

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–18	10YR 5/6, Yellowish Brown, fine sandy loam, granular, friable
18–38	2.5Y 5/6, Light Olive Brown, loamy sand, granular, friable

ESHWT = none Observed water table = none Restrictive layer = none Refusal = 38" Roots to 28"±

TEST PIT No. 106

DEPTH (in.)	DESCRIPTION
02–00	Forest Mat
00–18	10YR 5/6, Yellow Brown, fine sand loam, granular, friable
18–40	2.5Y 6/4, Light Yellowish Brown, loamy sand, massive, firm, some cobbles with redox features

ESHWT = 18" Observed water table = none Restrictive layer = 18" Refusal = 40" Roots to 22"±

TEST PIT No. 107

DEPTH (in.)	DESCRIPTION
03–00	Forest Mat
00–03	10YR 3/3, Dark Brown, fine sandy loam, granular, friable
03–23	10YR 5/6, Yellowish Brown, fine sandy loam, granular, friable
23–50	2.5Y 5/4, Light Olive Brown, loamy fine sand, massive, firm with redox features

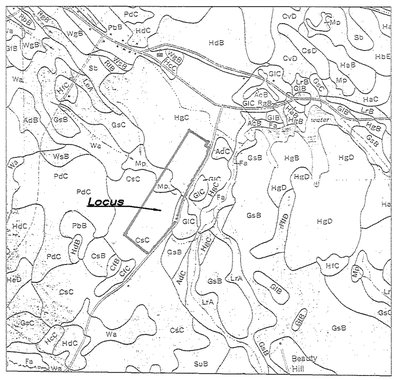
ESHWT = 23" Observed water table = none Restrictive layer = 23" Refusal = 50" Roots to 28"±

TEST PIT No. 108

DEPTH (in.)	DESCRIPTION
03–00	Forest Mat
00–17	7.5YR 5/6, Strong Brown, fine sandy loam, granular, friable
17–40	10YR 5/6, Yellowish Brown, stony fine sandy loam, granular, friable

ESHWT = none Observed water table = none Restrictive layer = none Refusal = 40" Roots to 30"±

Per. Rate = 10 min./in. at 20 in.



Plot Plan
1" = 1667'±

SOILS DATA:

CsC – Charlton, Very stony fine sandy loam.
8 TO 15% SLOPES

GIC – GLOUCESTER, Fine sandy loam.
8 TO 15% SLOPES

HgC – HOLLIS–GLOUCESTER, Very rocky fine sandy loam.
8 TO 15% SLOPES

Mp – Muck and peat.

REFERENCE: SHEETS 22 & 26 SOIL SURVEY OF STRAFFORD COUNTY, NEW HAMPSHIRE, PREPARED BY U. S. DEPT. OF AGRICULTURE SOIL CONSERVATION SERVICE, ISSUE DATE MARCH 1973

Lot Loading Calculations:

Contiguous Uplands Excluding Wetlands, Exposed Ledge, Easements & Well Radii

Lot 15–0 Non–buildable lot.

Lot 15–1
$\frac{164,190}{43,560} \times 2,000 = 7,538 \quad \frac{7,538}{1.6} = 4,711$ gpd

Lot 15–2
$\frac{39,610}{43,560} \times 2,000 = 1,818 \quad \frac{1,818}{1.6} = 1,137$ gpd

Lot 15–3
$\frac{26,265}{43,560} \times 2,000 = 1,206 \quad \frac{1,206}{1.6} = 754$ gpd

Lot 15–4
$\frac{62,300}{43,560} \times 2,000 = 2,860 \quad \frac{2,860}{1.6} = 1,788$ gpd

Lot 15–5
$\frac{56,685}{43,560} \times 2,000 = 2,603 \quad \frac{2,603}{1.6} = 1,627$ gpd

Lot 15–6
$\frac{52,490}{43,560} \times 2,000 = 2,401 \quad \frac{2,401}{1.43} = 1,679$ gpd

Lot 15–7
$\frac{52,590}{43,560} \times 2,000 = 2,415 \quad \frac{2,415}{1.43} = 1,689$ gpd

Lot 15–8
$\frac{89,725}{43,560} \times 2,000 = 4,120 \quad \frac{4,120}{1.43} = 2,881$ gpd

Lot 15–9
$\frac{69,950}{43,560} \times 2,000 = 3,212 \quad \frac{3,212}{1.43} = 2,246$ gpd

Lot 15–10
$\frac{74,035}{43,560} \times 2,000 = 3,399 \quad \frac{3,399}{1.43} = 2,377$ gpd

Lot 15–11
$\frac{53,920}{43,560} \times 2,000 = 2,475 \quad \frac{2,475}{1.43} = 1,731$ gpd

Lot 15–12
$\frac{29,480}{43,560} \times 2,000 = 1,354 \quad \frac{1,354}{1.43} = 947$ gpd

Lot Area Calculations:

Upland Soils Excludes Hydric A Soils, Open Water, Bogs, Marshes, Rivers, Streams, or Exposed Ledge.

LOT No.	TOTAL LOT AREA	TOTAL UPLAND SOILS	CONTIGUOUS UPLAND SOILS	TOTAL FRONTAGE
15–0	713,641 s.f.	324,810± s.f.	119,820± s.f.	137.56'
15–1	221,626 s.f.	175,735± s.f.	175,735± s.f.	226.85'
15–2	94,037 s.f.	70,395± s.f.	57,280± s.f.	200.34'
15–3	80,131 s.f.	62,500,± s.f.	62,500± s.f.	200.04'
15–4	83,830 s.f.	77,530± s.f.	77,530± s.f.	225.46'
15–5	83,000 s.f.	73,425± s.f.	73,425± s.f.	200.00'
15–6	88,561 s.f.	83,325± s.f.	83,325± s.f.	207.88'
15–7	101,007 s.f.	73,100± s.f.	73,100± s.f.	200.00'
15–8	113,156 s.f.	109,925± s.f.	109,925± s.f.	283.54'
15–9	93,125 s.f.	93,125± s.f.	93,125± s.f.	216.63'
15–10	89,975 s.f.	85,400± s.f.	85,400± s.f.	50.00'
15–11	80,567 s.f.	77,150± s.f.	77,150± s.f.	200.00'
15–12	165,623 s.f.	114,475± s.f.	39,115± s.f.	229.66'

NO.	DATE	DESCRIPTION	BY
4			
3			
2			
1	12/28/10	rev per PB & DES comments	dwv

NEW HAMPSHIRE
Designer
of
Subsurface Disposal
Systems
* * *
David W. Vincent
No. 1413
Department of Environmental Services
JAN 06 2011

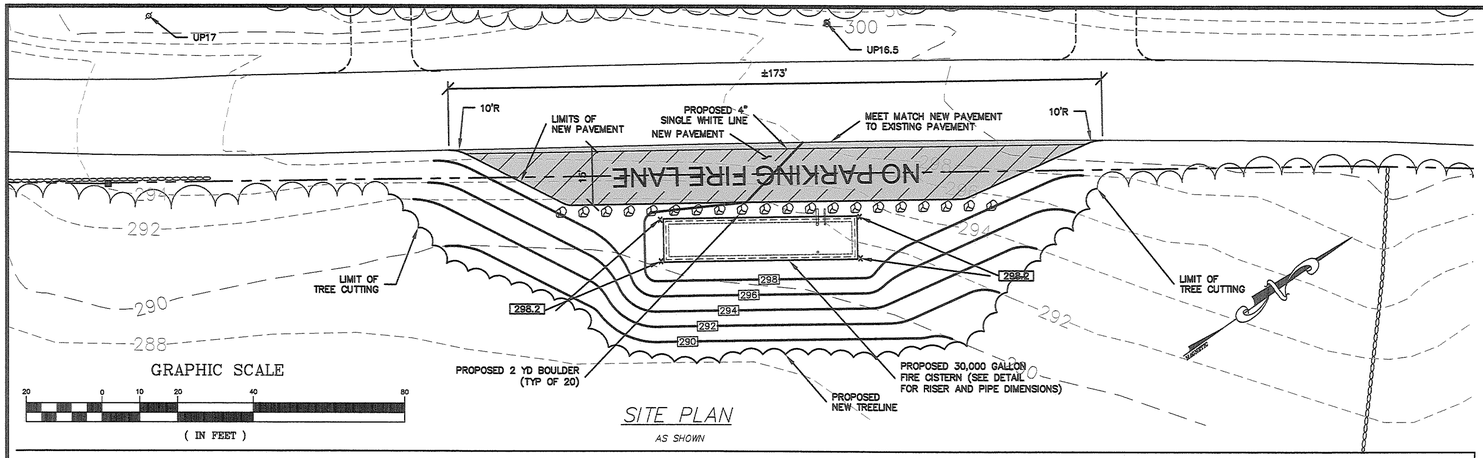
TEST PIT & LOT CALCULATION SHEET
PREPARED FOR
FISHEYE PROPERTIES LLC
OF
TAX MAP 240 / LOT 15
LOCATED AT
YOUNG ROAD
COUNTY OF STRAFFORD
BARRINGTON, NH

DATE: NOVEMBER 15, 2010

DAVID W. VINCENT, LLS
LAND SURVEYING SERVICES
19 MORGANS WAY
BARRINGTON, NH 03825–3350
TEL: (603) 664–5786
www.landsurveyingservices.net

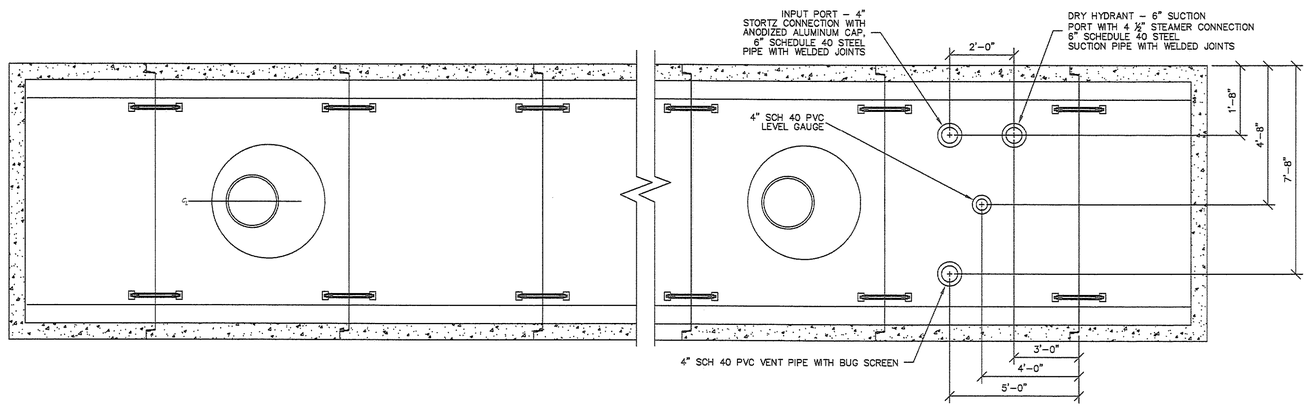
DWG NAME: 022tp | FB: TP4/39–64

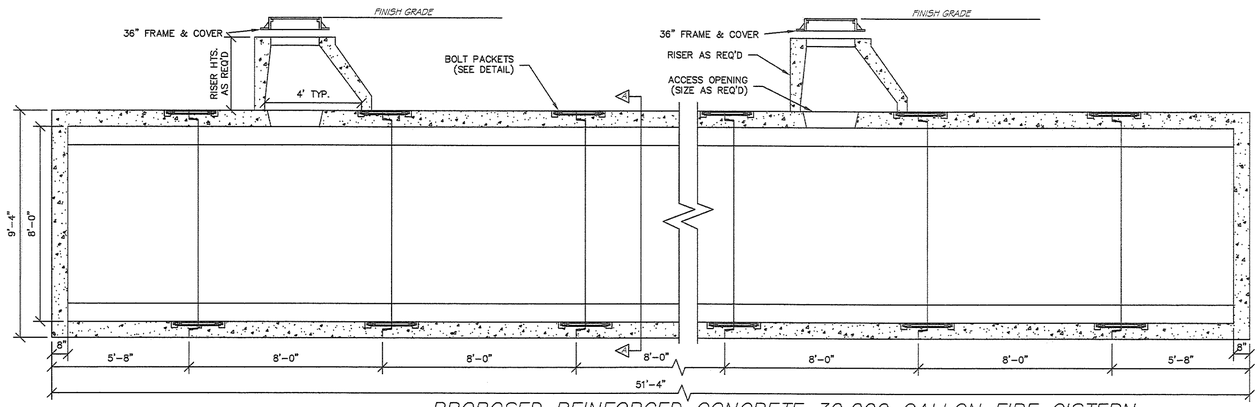
10_022



SITE PLAN

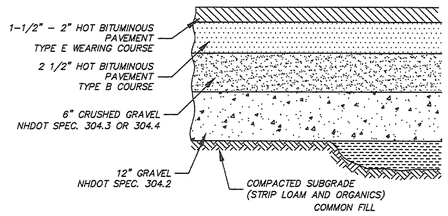
AS SHOWN





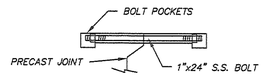
PROPOSED REINFORCED CONCRETE 30,000 GALLON FIRE CISTERN

NOT TO SCALE



HEAVY DUTY PAVEMENT SECTION

NOT TO SCALE

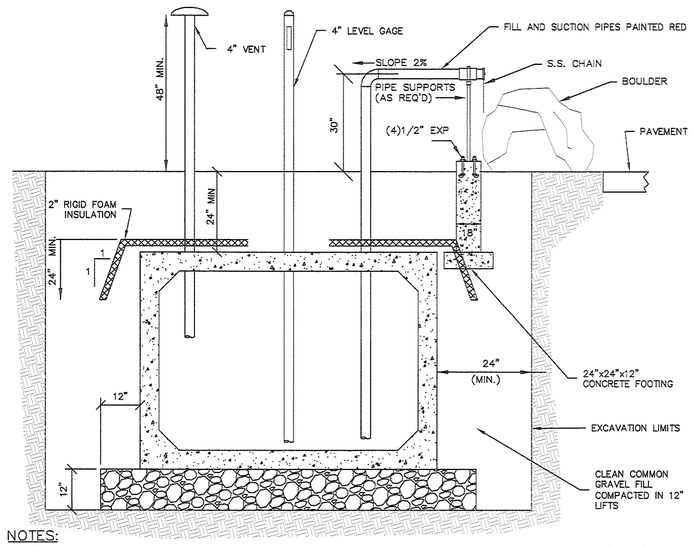


BOLTED CONNECTION DETAIL

NOT TO SCALE

BARRINGTON FIRE DEPARTMENT

1. All cisterns shall be constructed in accordance with current NFPA 1142, B.4.1 thru B.4.6 standards.
2. The minimum capacity shall be 30,000 gallons.
3. The suction capacity shall be capable of delivering 1,000 gallons per minute (gpm) for three–quarters of the cistern capacity.
4. The entire cistern and appurtenances shall be rated for HS–20 highway loading.
5. Drawings of the design are for estimating general requirement and design purposes only and are not intended for use as design.
6. The cistern shall be designed, sited to the particular location, stamped by a registered engineer, and approved by the Fire Chief. Cisterns shall be installed to the manufactured specifications and verified by a professional engineer licensed in the State of New Hampshire. Proof of certification shall be provided to the Fire Chief, Deputy Fire Chief or their designate prior to the installation of the cistern(s).
7. All suction and piping shall be American Society for Testing Materials (ASTM) Schedule 40 steel. All vent piping shall be ASTM Schedule 40 PVC with glued joints. All piping location within the tank shall be ASTM Schedule 40 PVC with glued joints. All piping leading from the tank to the hydrant shall be ASTM Schedule 40 steel. All suction piping shall be six inches in diameter. A vortex plate shall be located directly below the suction piping at the bottom of the tank.
8. The final suction connection shall be 4.5" inch Steamer connection. The suction pipe shall be braced to ensure durability during pumping operations. The Fire Chief shall approve brace configuration and installation. The suction pipe connection shall be thirty inches above the level of the vehicle wheels when the cistern is in use.
9. The filler pipe shall be four–inch ASTM Schedule 40 steel with Storz fitting. The filler pipe shall be braced to ensure durability during filling operations. The Fire Chief shall approve brace configuration and installation. The filler pipe shall be thirty inches above final backfill grade. A thirty–six inch diameter manhole with cover (2–each) shall be installed. The configuration of this manholes shall be approved by the Fire Chief, Deputy Fire Chief, or their designate.
10. The distance from the bottom of the suction pipe to the pumper connection shall not exceed fourteen (14) feet vertical.
11. All horizontal suction piping shall slope slightly uphill toward the pumper connection.
12. The concrete base and stainless steel tie downs (if required) shall be designed so that the tank will not float when empty. Calculations shall be provided to the Design Engineer prior to installation.
13. Bedding for the cistern shall consist of a minimum of twelve inches of three–quarter to one and one–half inch crushed washed stone compacted. No fill shall be used under the stone. Over excavation shall be filled with the same bedding material.
14. All backfill materials shall be clean gravel with no stones larger than 2" and shall be compacted to 95 percent of its original volume in accordance with ASTM D 1557.
15. If the top of the tank is less than four feet below grade, the top and sides of cistern shall be insulated with vermin resistant insulation to a depth of at least two feet. Foam used for this installation shall be closed cell polyurethane foam with an insulation factor of R=7 per inch. All backfill shall extend five feet beyond the edge of the cistern and then graded as shown, loam and seeded.
16. Before any backfilling is done the entire cistern shall be completed and inspected by the Fire Chief.
17. After backfilling, large boulders shall be placed to protect the tank and appurtenances.
18. All construction, backfill, and grading materials shall be in accordance with proper construction practices and shall be acceptable to the Fire Chief.
19. The Fire Chief or designated representative of the Fire Dept. will be notified by the applicant to observe the following points of installation: Excavation complete. Deadmen in place (if applicable). Tank in place prior to backfilling. Backfilling of excavation. Backfilling complete after placement of insulation (if applicable). Piping (painted red), manways, and barriers in place. All backfilling, loam, seed, etc. complete with turnout gravel in place and graded. Pavement complete, and all other work 100 percent complete.
20. The Fire Chief shall be notified of the date that site work is to begin.
21. Concrete must have a minimum of 125 pcf.
22. Backfill must have a minimum of 120 pcf.
23. Installer is responsible for completely filling the cistern until the Fire Chief or his designate accepts the cistern.



NOTES:

1. TANK TO BE 30,000 GALLON FIRE CISTERN WITH H–20 DESIGN LOADING TO ASTM C–478 AS SUPPLIED BY GEORGE R. ROBERTS CO. (207) 324–6571 (OR APPROVED EQUAL)
2. CONTRACTOR TO PROVIDE SITE SPECIFIC ENGINEERED SHOP DRAWINGS TO DESIGN ENGINEER FOR APPROVAL PRIOR TO FABRICATION.
3. CONTRACTOR TO PROVIDE SITE SPECIFIC BOUYANCY CALCULATIONS TO DESIGN ENGINEER PRIOR TO INSTALLATION.
4. TANK TO BE TESTED AND INSTALLED IN ACCORDANCE WITH GEROGE R. ROBERTS CO. SPECIFICATIONS AND PUBLISHED INSTALLATION INSTRUCTIONS.
5. TANK TO BE BACKFILLED WITH MIX OF CLEAN GRAVEL COMPACTED IN 12" LIFTS.
6. HOSE CONNECTIONS SHALL CONFORM TO BARRINGTON, NH FIRE DEPARTMENT REQUIREMENTS.

TYPICAL CISTERN CROSS SECTIN DETAIL

NOT TO SCALE

HAIGHT ENGINEERING, PLLC
CIVIL ENGINEERS
20 WATSON ROAD
DOVER, NEW HAMPSHIRE
603.750.4266. FAX 603.749.7348

NO.	REVISION	APP'D	DATE

Fire Chief

DATE: 11–11–10
SCALE: AS SHOWN
DRAWN BY: SRD
DESIGN BY: SRD
APPROVED BY:SJH
PROJECT NO:1027
FILE: CONCEPT–002

11/11/10

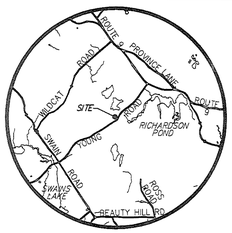
STEPHEN J. HAIGHT NO. 7910 LICENSED PROFESSIONAL ENGINEER STATE OF NEW HAMPSHIRE

30,000 GALLON FIRE CISTERN

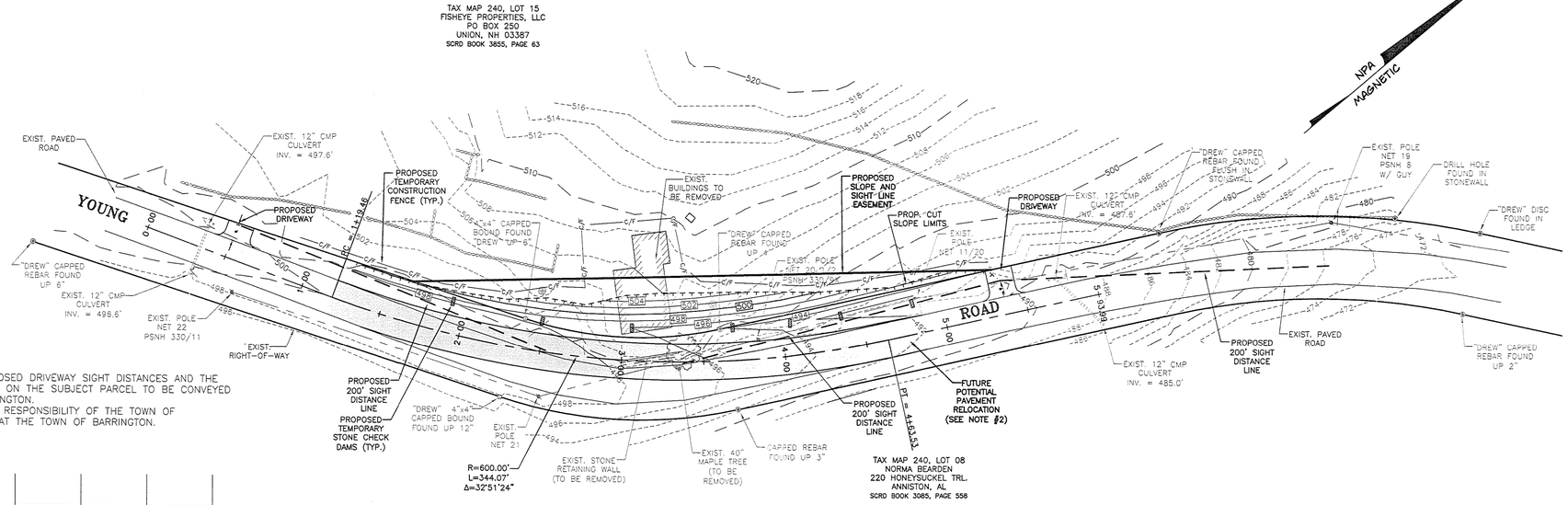
FISHEYE PROPERTIES, LLC
P.O. BOX 250
UNION, NH 03387

FIRE CISTERN
YOUNG ROAD
BARRINGTON, NH

FC–1



LOCUS MAP
1" = 4000'



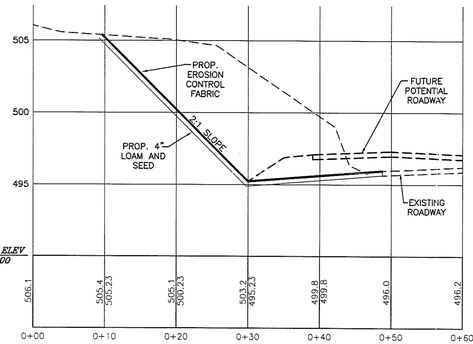
PROPOSED SLOPE, GRADING AND SIGHT LINE PLAN
1" = 40'

LEGEND

- PROPERTY LINE
- EXISTING EDGE OF PAVEMENT
- EXISTING DRAIN LINE
- 258 EXISTING CONTOUR LINE
- EXISTING STONEWALL
- EXISTING OVERHEAD WIRES
- EXISTING UTILITY POLE
- EXISTING MONUMENTS
- 240 PROPOSED CONTOUR LINE
- PROPOSED CUT SLOPE LIMIT
- PROPOSED DRIVEWAY SIGHT LINES
- PROPOSED STONE CHECK DAMS
- c/f c/f PROPOSED CONSTRUCTION FENCE
- PROPOSED EDGE OF FUTURE PAVEMENT
- PROPOSED FUTURE PAVEMENT

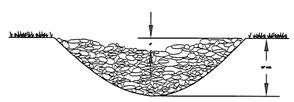
GENERAL NOTES:

1. THE PURPOSE OF THIS PLAN IS TO SHOW THE PROPOSED DRIVEWAY SIGHT DISTANCES AND THE LIMITS OF THE SLOPE, GRADING AND SIGHT EASEMENT ON THE SUBJECT PARCEL TO BE CONVEYED BY FISHEYE PROPERTIES LLC TO THE TOWN OF BARRINGTON.
2. ANY RELOCATION OF THE ROADWAY PAVEMENT IS THE RESPONSIBILITY OF THE TOWN OF BARRINGTON. ROADWAY RELOCATION PLANS ON FILE AT THE TOWN OF BARRINGTON.

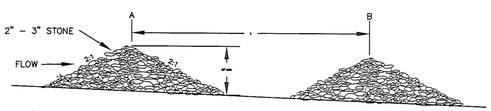


TYPICAL EMBANKMENT REMOVAL CROSS SECTION
1" = 10' (H) & 1" = 5' (V)

SPACING BETWEEN CHECK DAMS	
SLOPE (FT/FT)	LENGTH (FT)
0.020	75
0.030	50
0.040	37
0.050	30
0.080	19
0.100	15
0.120	13
0.150	10



DRAINAGEWAY CROSS-SECTION



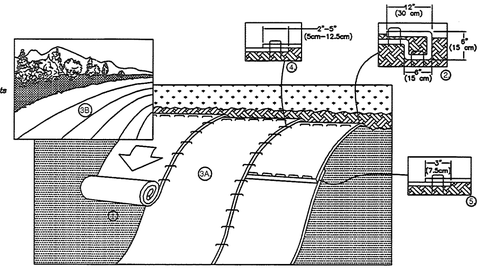
SPACING BETWEEN STONE CHECK DAMS

CONSTRUCTION SPECIFICATIONS:
1. STRUCTURES SHALL BE INSTALLED ACCORDING TO THE DIMENSIONS SHOWN ON THE PLANS AT THE APPROPRIATE SPACING.
2. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER SO THAT EROSION, AIR AND WATER POLLUTION WILL BE MINIMIZED.
5. STRUCTURES SHALL BE REMOVED FROM THE CHANNEL WHEN THEIR USEFUL LIFE HAS BEEN COMPLETED.

MAINTENANCE NOTES:
1. TEMPORARY GRADE STABILIZATION STRUCTURES SHOULD BE INSPECTED AFTER EACH STORM AND DAILY DURING PROLONGED STORM EVENTS. ANY DAMAGE TO THE STRUCTURES SHALL BE REPAIRED IMMEDIATELY.
2. PARTICULAR ATTENTION SHOULD BE GIVEN TO END RUN AND EROSION AT THE DOWNSTREAM TOE OF THE STRUCTURE.
3. WHEN REMOVING THE STRUCTURES, THE DISTURBED AREAS SHALL BE BROUGHT UP TO EXISTING CHANNEL GRADE AND THE AREAS PREPARED, SEEDED AND MULCHED.
4. SEDIMENT SHALL BE REMOVED FROM BEHIND THE STRUCTURES WHEN IT REACHES 1/2 THE ORIGINAL HEIGHT OF THE STRUCTURE.

TEMPORARY STONE CHECK DAM INSTALLATION DETAIL
NOT TO SCALE

NORTH AMERICAN GREEN
EROSION CONTROL *Products Guaranteed* SOLUTIONS
14649 HIGHWAY 41 NORTH
EVANSVILLE, IN 47725
800-772-2040
www.nagreen.com

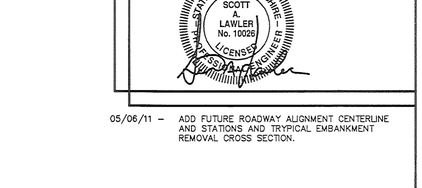


SLOPE INSTALLATION

MAINTENANCE REQUIREMENTS:
1. ALL BLANKET AND MATS SHOULD BE INSPECTED WEEKLY DURING THE CONSTRUCTION PERIOD, AND AFTER ANY RAINFALL EVENT EXCEEDING 1/2 INCH IN A 24-HOUR PERIOD.
2. ANY FAILURE SHOULD BE REPAIRED IMMEDIATELY. IF WASHOUT OF THE SLOPE, DISPLACEMENT OF THE MAT, OR DAMAGE TO THE MAT OCCURS, THE AFFECTED SLOPE SHALL BE REPAIRED AND RESEEDED, AND THE AFFECTED AREA OF MAT SHALL BE RE-INSTALLED.

CONSTRUCTION SPECIFICATIONS:
1. MANUFACTURE'S INSTALLATION INSTRUCTIONS:
   A. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP's), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
      NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
   B. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP's IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF RECP's EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP's WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH.
      BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP's BACK OVER SEED AND COMPACTED SOIL. SECURE RECP's OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP's.
   C. ROLL THE RECP's (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. RECP's WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP's MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM , STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
   D. THE EDGES OF PARALLEL RECP's MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP's TYPE.
   E. CONSECUTIVE RECP's SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP's WIDTH.
      NOTE: IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP's.
2. SITE PREPARATION:
   A. PROPER SITE PREPARATION IS ESSENTIAL TO ENSURE COMPLETE CONTACT OF THE PROTECTION MATTING WITH THE SOIL.
   B. GRADE AND SHAPE AREA IF INSTALLATION.
   C. REMOVE ALL ROCKS, CLODS, TRASH, VEGETATIVE OR OTHER OBSTRUCTIONS SO THAT THE INSTALLED BLANKETS WILL HAVE DIRECT CONTACT WITH THE SOIL.
   D. PREPARE SEEDBED BY LOOSENING 2-3 INCHES OF TOPSOIL ABOVE FINAL GRADE.
   E. INCORPORATE AMENDMENTS, SUCH AS LIME AND FERTILIZER, INTO SOIL ACCORDING TO SOIL TEST AND THE SEEDING PLAN.
3. SEEDING:
   A. SEED AREA BEFORE BLANKET INSTALLATION FOR EROSION CONTROL AND REVEGETATION. SEEDING AFTER MAT INSTALLATION IS OFTEN SPECIFIED FOR TURF REINFORCEMENT APPLICATIONS. WHEN SEEDING PRIOR TO BLANKET INSTALLATION, ALL CHECK SLOTS AND OTHER AREAS DISTURBED DURING INSTALLATION MUST BE RESEEDED.
   B. WHEN SOIL FILLING IS SPECIFIED, SEED THE MATTING AND THE ENTIRE DISTURBED AREA AFTER INSTALLATION AND PRIOR TO FILLING THE MAT WITH SOIL.

TEMPORARY EROSION CONTROL BLANKET DETAIL
NOT TO SCALE



05/06/11 - ADD FUTURE ROADWAY ALIGNMENT CENTERLINE AND STATIONS AND TRYPICAL EMBANKMENT REMOVAL CROSS SECTION.

GENERAL EROSION AND SEDIMENTATION CONTROL NOTES
1. INSTALL CONSTRUCTION FENCE AS SHOWN.
2. CUT TREES AND REMOVE ALL STUMPS OFF THE PROPERTY.
3. REMOVE HOUSE AND OTHER STRUCTURES AND PROPERLY DISPOSE OFF SITE.
4. REMOVE THE LOAM AND VEGETATION FROM THE CUT SLOPE. THE LOAM WILL NEED TO BE STORED FOR USE LATER IN STABILIZING THE SIDESLOPE. THE LOAM PILE SHALL BE SEEDED FOR TEMPORARY PROTECTION SHOULD IT REMAIN INACTIVE FOR MORE THAN 30 DAYS.
5. CUT SLOPE AREAS TO SUB-GRADE.
6. PLACE A MINIMUM OF 4 INCHES OF LOAM ON ALL DISTURBED SLOPES.
7. ALL CUT SLOPES SHALL BE SEEDED AND MULCHED OR COVERED WITH AN EROSION CONTROL BLANKET IMMEDIATELY AFTER THEIR CONSTRUCTION.
8. INSTALL STONE CHECK DAMS.
9. INSPECT AND REPAIR OR INSTALL ANY REMAINING TEMPORARY EROSION CONTROL MEASURES SUCH AS STONE CHECK DAMS AFTER ANY STORM EVENT OF 0.5 INCHES OR GREATER.
10. ALL DISTURBED AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE, BUT IN NO CASE SHALL BE LEFT UNSTABILIZED FOR MORE THAN 30 DAYS.
11. AN AREA SHALL BE CONSIDERED STABLE IS ONE OF THE FOLLOWING HAS OCCURRED.
    A. A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED
    B. A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR
    C. EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
12. SEEDING FOR LONG TERM COVER: SEED MIXTURE:

	LBS./ACRE	LBS./1000 SQ. FT.
TALL FESCUE	20	0.45
CREEPING RED FESCUE	20	0.45
BIRDSFOOT TREFOIL	8	0.20
TOTAL	48	1.10

NOTE: BIRDSFOOT TREFOIL MUST BE INOCULATED.
13. IF SOIL TEST IS NOT AVAILABLE THE FOLLOWING MINIMUM AMOUNTS SHALL BE USED: LIME - 2 TONS/ACRE OR 100 LBS/1000 SQ. FT. FERTILIZER - 500 LBS/ACRE OF 10-20-20 OR EQUAL.
14. SEEDING FOR TEMPORARY PROTECTION: SEED MIXTURE:

	LBS./ACRE	LBS./1000 SQ. FT.
WINTER RYE	112	2.50

15. HAY OR STRAW MULCH SHALL BE PLACED ON ALL DISTURBED AREAS AT A RATE OF 2 TONS/ACRE OR 90 LBS/1000 SQ. FT.
16. DURING ALL PHASES OF CONSTRUCTION DUST SHALL BE PREVENTED FROM BECOMING A SAFETY OR HEALTH HAZARD BY THE IMPLEMENTATION OF ACCEPTED CONTROL METHODS SUCH AS WATERING.
17. ALL CUT SLOPES SHALL BE LOAMED AND SEEDED WITHIN 72 HOURS OF ACHIEVING FINISH GRADE.
18. ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.
19. REMOVE TEMPORARY EROSION CONTROL (STONE CHECK DAM) TO ELIMINATE FLOW IMPEDIMENTS ONCE SEED HAS GERMINATED AND GRASS IS FIRMLY ESTABLISHED.

GENERAL MAINTENANCE OF EROSION CONTROL STRUCTURES
1. ALL PERMANENT EROSION CONTROL STRUCTURES SHALL BE INSPECTED ANNUALLY AND AFTER EVERY MAJOR STORM.
2. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE INSPECTED WEEKLY AND WITHIN 24 HOURS OF ANY STORM EVENT OF 0.5 INCHES OR GREATER.
3. ALL DAMAGED STRUCTURES, TEMPORARY OR PERMANENT, SHALL BE REPAIRED IMMEDIATELY.
4. ALL DEBRIS, OBSTRUCTIONS AND SEDIMENT SHALL BE REMOVED AS NEEDED TO MAINTAIN PROPER PERFORMANCE. SEDIMENT AND DEBRIS SHALL BE DISPOSED OF PROPERLY IN APPROVED LOCATIONS.
5. ALL VEGETATION SHALL BE INSPECTED AND MAINTAINED AS DESIGNED. SEED AND FERTILIZER SHALL BE REAPPLIED AS NEEDED.
6. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED AFTER CONSTRUCTION IS COMPLETE AND INITIAL VEGETATIVE GROWTH IS ESTABLISHED.

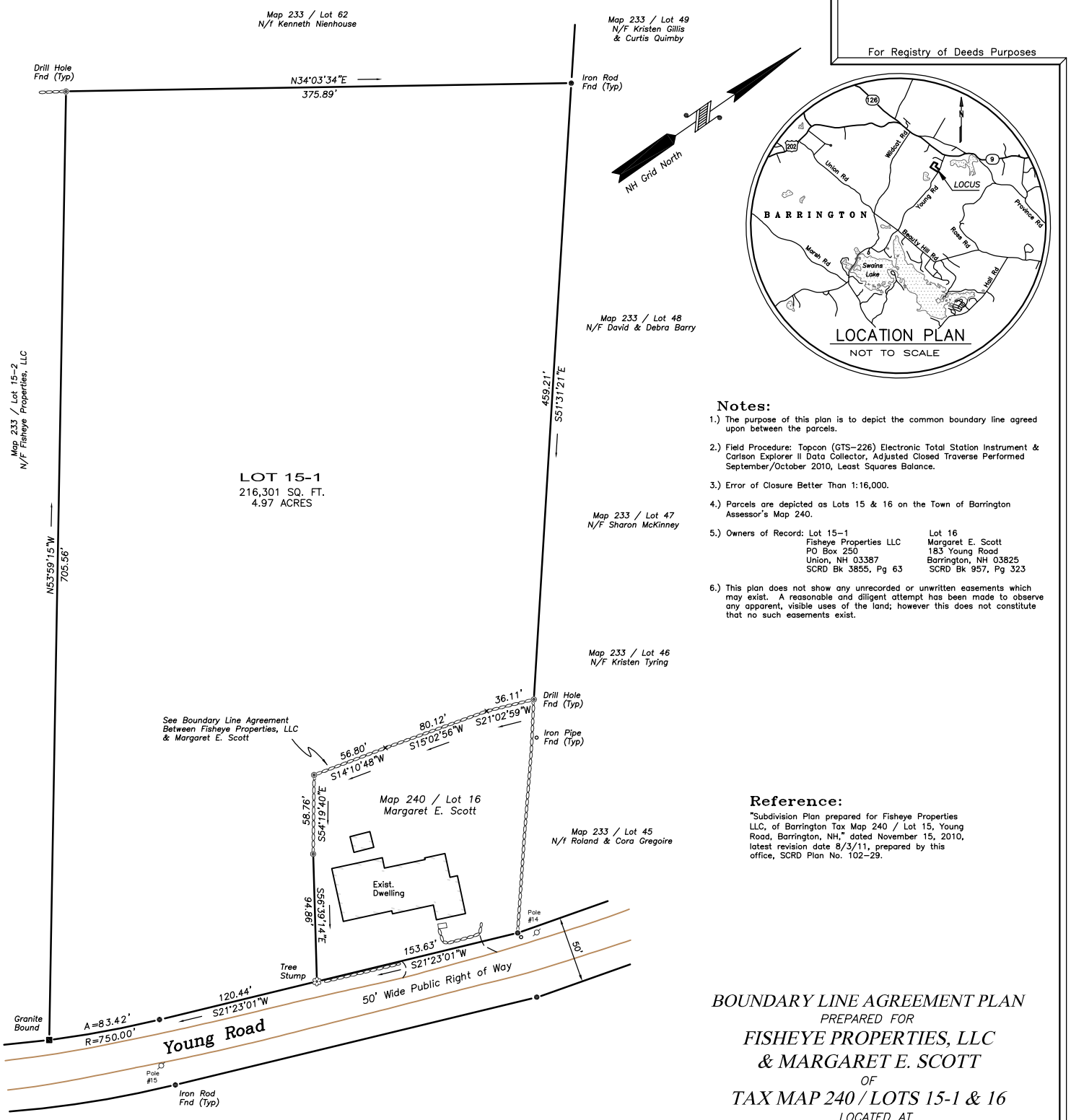
WINTER CONSTRUCTION NOTES:
1. ALL PROPOSED POST-DEVELOPMENT VEGETATED AREAS WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED BY SEEDING AND INSTALLING EROSION CONTROL BLANKETS ON SLOPES GREATER THAN 3:1, AND SEEDING AND PLACING 3 TO 4 TONS OF MULCH PER ACRE, SECURED WITH ANCHORED NETTING, ELSEWHERE. THE PLACEMENT 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.
2. ALL DITCHES OR SWALES WHICH DO NOT EXHIBIT A MINIMUM OF 85% VEGETATIVE GROWTH BY OCTOBER 15TH, OR WHICH ARE DISTURBED AFTER OCTOBER 15TH, SHALL BE STABILIZED WITH STONE OR EROSION CONTROL BLANKETS APPROPRIATE FOR THE DESIGN FLOW CONDITIONS.
3. AFTER NOVEMBER 15TH, INCOMPLETE ROAD OR PARKING SURFACES SHALL BE PROTECTED WITH A MINIMUM OF 3-INCHES OF CRUSHED GRAVEL PER NHDOT ITEM 304.3, OR IF CONSTRUCTION IS TO CONTINUE THROUGH THE WINTER SEASON BE CLEARED OF ANY ACCUMULATED SNOW AFTER EACH STORM EVENT.

PROPOSED SLOPE, GRADING AND SIGHT LINE PLAN
YOUNG ROAD
STRAFFORD COUNTY
BARRINGTON
NEW HAMPSHIRE
FOR: FISHEYE PROPERTIES, LLC
SCALE: AS SHOWN APRIL 2011

FILE NO. 326
PLAN NO. C-2488-2
DWG. NO. 11024\SP-2
F.B. NO. 33 "CEK"

NORWAY PLAINS ASSOCIATES, INC.

For Registry of Deeds Purposes



LOCATION PLAN
NOT TO SCALE

Notes:

1.) The purpose of this plan is to depict the common boundary line agreed upon between the parcels.

2.) Field Procedure: Topcon (GTS–226) Electronic Total Station Instrument & Carlson Explorer II Data Collector, Adjusted Closed Traverse Performed September/October 2010, Least Squares Balance.

3.) Error of Closure Better Than 1:16,000.

4.) Parcels are depicted as Lots 15 & 16 on the Town of Barrington Assessor's Map 240.

5.) Owners of Record: Lot 15–1
Fisheye Properties LLC
PO Box 250
Union, NH 03387
SCRD Bk 3855, Pg 63

Lot 16
Margaret E. Scott
183 Young Road
Barrington, NH 03825
SCRD Bk 957, Pg 323

6.) This plan does not show any unrecorded or unwritten easements which may exist. A reasonable and diligent attempt has been made to observe any apparent, visible uses of the land; however this does not constitute that no such easements exist.

Reference:

"Subdivision Plan prepared for Fisheye Properties LLC, of Barrington Tax Map 240 / Lot 15, Young Road, Barrington, NH," dated November 15, 2010, latest revision date 8/3/11, prepared by this office, SCRD Plan No. 102–29.

Pursuant to New Hampshire RSA 676:18(IV) a copy of this plan has been delivered to the local Planning Board.

I certify that this survey 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 no new ways are shown.

David W. Vincent, LLS No. 821 *Date*

BOUNDARY LINE AGREEMENT PLAN

PREPARED FOR

FISHEYE PROPERTIES, LLC
& MARGARET E. SCOTT

OF

TAX MAP 240 / LOTS 15-1 & 16

LOCATED AT

YOUNG ROAD

COUNTY OF STRAFFORD

BARRINGTON, NH

FEET 100 0 50 100 200 400
METERS 0 10 20 40 80 120

SCALE: 1"= 50' DATE: OCTOBER 10, 2011

DAVID W. VINCENT, LLS
LAND SURVEYING SERVICES
19 MORGANS WAY
BARRINGTON, NH 03825
TEL: (603) 664–5786
www.landsurveyingservices.net

DWG NAME: 022bla | FB: 38/6–16

10_022

Legend:

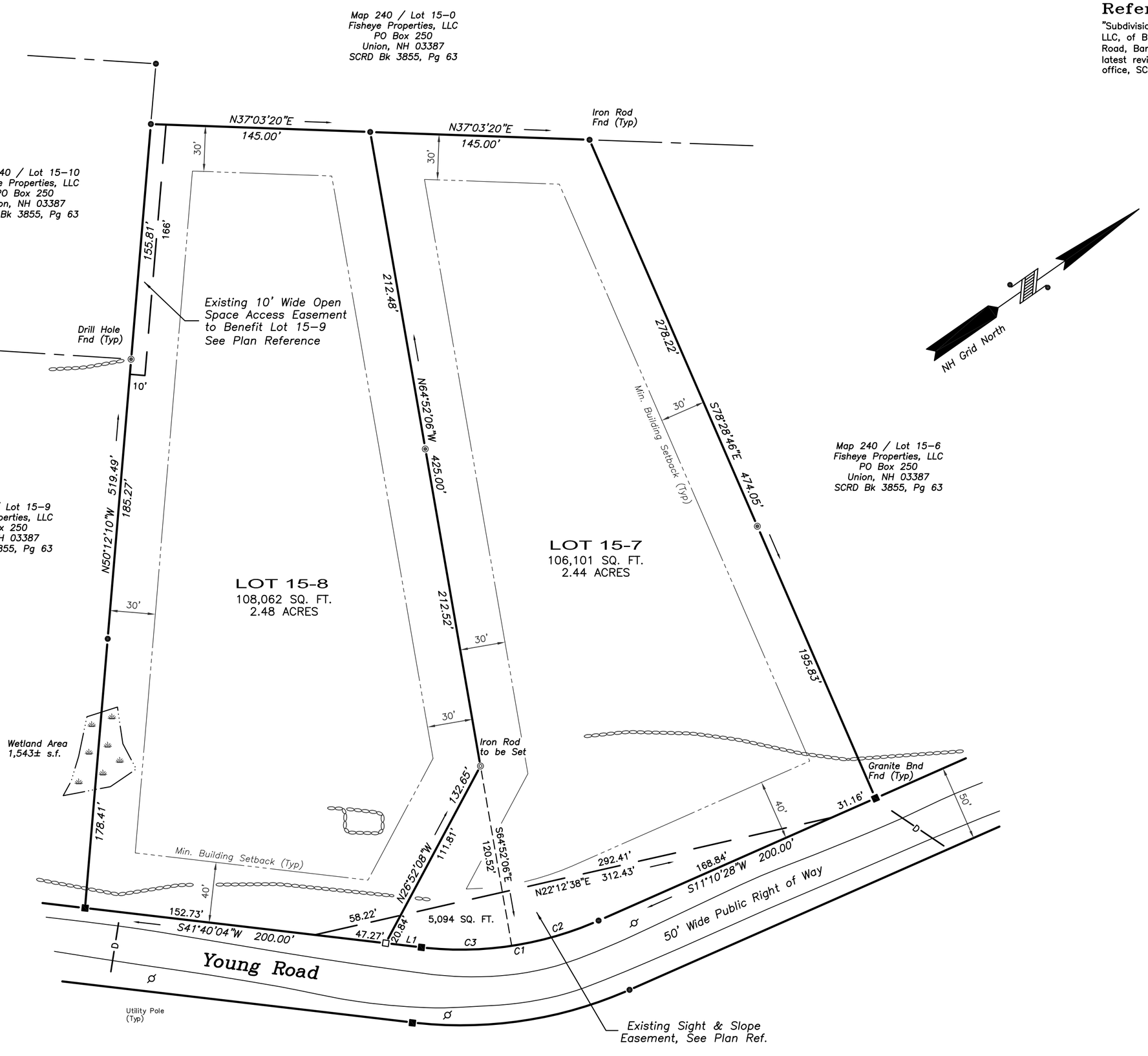
C1	See Curve Table
L1	See Length Table
SCRD	Strafford County Registry of Deeds
	Utility Pole
	Iron Rod Found
	Granite Bound Found
	Granite Bound to be Set
	Drill Hole Set
	Stone Wall
	Edge of Jurisdictional Wetlands
	Min. Building Setback
D	Culvert

Length Table:

LINE	BEARING	DISTANCE
L1	S41°40'04"W	23.67'

Curve Table:

CURVE	RADIUS	ARC LENGTH	DELTA ANGLE
C1	225.00'	119.75'	30°29'36"
C2	225.00'	59.87'	15°14'48"
C3	225.00'	59.87'	15°14'48"



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For Registry of Deeds Purposes

LOCATION PLAN
NOT TO SCALE

Notes:

1.) The purpose of this plan is to relocate the existing lot line between the two parcels.

2.) Field Procedure: Topcon (GTS-226) Electronic Total Station Instrument & Carlson Explorer II Data Collector, Adjusted Closed Traverse Performed September/October 2010, Least Squares Balance.

3.) Error of Closure Better Than 1:16,000.

4.) Parcels are depicted as Lots 15-7 and 15-8 on the Town of Barrington Assessor's Map 240.

5.) Parcel is located in the Town of Barrington Neighborhood Residential District and Wetlands Protection Overlay Districts.

6.) Owner of Record: Fisheye Properties LLC
PO Box 250
Union, NH 03387
SCRD Bk 3855, Pg 63

7.) This plan does not show any unrecorded or unwritten easements which may exist. A reasonable and diligent attempt has been made to observe any apparent, visible uses of the land; however this does not constitute that no such easements exist.

8.) Parcels are not located in a Flood Hazard Zone as depicted on NFIP FIRM, Strafford County, New Hampshire (All Jurisdictions). Map Number 33017C0285D, Effective date May 17, 2005.

9.) Prime Wetlands are not located on the subject parcels as depicted on Sheet 8 of the Town of Barrington Prime Wetlands Map, dated Jan, 1991, prepared by IEP, INC. of Portsmouth, NH.

10.) The wetland area shown hereon were field delineated by John P. Hayes, III, NH Certified Wetland Scientist No. 18, of Greenland, NH. The wetland locations were delineated in accordance with the Corp. of Engineers 1987 Wetland delineation Manual. There are no vernal pools located on the subject property.

11.) NHDES Subdivision Approval No.: SA2011009555, dated 01/28/2011.

12.) Required erosion control measures shall be installed prior to any disturbance of the site's surface area and shall be maintained through the completion of all construction activities. If, during construction, it becomes apparent that additional erosion control measures are required to stop any erosion on the construction site due to actual site conditions, the owner shall be required to install the necessary erosion protection at no expense to the town.

13.) A sixteen foot (16') paved apron shall be installed at the driveway entrance of the lots prior to the issuance of an occupancy permit.

14.) If, during construction, it becomes apparent that deficiencies exist in approved design drawings, the owner shall be required to correct the deficiencies to meet the requirements of the regulations at no expense to the Town.

15.) All materials and methods of construction shall conform to Town Regulations and the latest edition of the NHDOT's Standard Specifications for Road and Bridge Construction.

Barrington Zoning Requirements;

Min. Lot Area:	80,000 SF
Min. Upland Soils:	60,000 SF
Min. Frontage:	200'
Structure Setbacks	
Min. Front Yard:	40'
Min. Side & Rear Yard:	30'
Wetlands Buffer:	50'

Map 240 / Lot 8
Norma Bearden
220 Honey Suckel Trail
Anniston, AL 36207
SCRD Bk 3085, Pg 558

TOWN OF BARRINGTON
PLANNING BOARD APPROVAL

The subdivision regulations of the Town of Barrington are part of this plat and approval of this plat is contingent upon completion of said requirements of said subdivision regulations, excepting only modifications made in writing by the boards and attached hereto.

Fisheye Properties LLC — Date

I certify, that this plan based upon the plan references and a field survey conducted on the ground between August 5, 2010 and September 30, 2010, meet the minimum requirements for accuracy and completeness per the State of New Hampshire and the Town of Barrington and the Error of Closure meets or exceeds 1:10,000.

15 August 2012
David W. Vincent, LLS No. 821 — Date

NO.	DATE	DESCRIPTION	BY
4			
3			
2			
1			

LOT LINE ADJUSTMENT PLAN
PREPARED FOR
FISHEYE PROPERTIES, LLC
OF
TAX MAP 240 / LOTS 15-7 & 15-8
LOCATED AT
YOUNG ROAD
COUNTY OF STRAFFORD
BARRINGTON, NH

FEET 50 0 25 50 100 200
METERS 0 5 10 20 40 60

SCALE: 1"= 50' DATE: AUGUST 15, 2012

DAVID W. VINCENT, LLS
LAND SURVEYING SERVICES
19 MORGANS WAY
BARRINGTON, NH 03825
TEL: (603) 664-5786
www.landsurveyingservices.net

DWG NAME: 022llr7_8 | FB: 38/6-16

10_022