

3

LAND USE OFFICE

APR 19 2017

RECEIVED

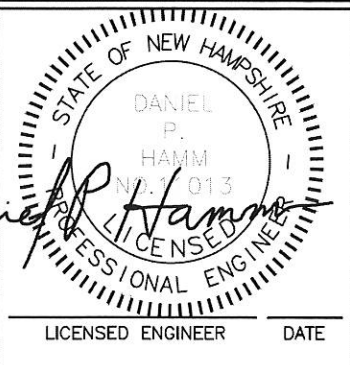


**VW2-NH-0032A
BARRINGTON 1**
BUMFORD ROAD
BARRINGTON, NH 03825
SITE TYPE: RAWLAND MONOPOLE

varsity wireless
290 CONGRESS ST. 7TH FL
BOSTON, MA 02210

Hudson
Design Group LLC
1600 OSGOOD STREET
BUILDING 20 NORTH, SUITE 3090
N. ANDOVER, MA 01845
TEL: (978) 557-5553
FAX: (978) 336-5586

FOR ZONING



SHEET INDEX

SHEET	DESCRIPTION	REV.
T-1	TITLE SHEET	1
C-1	ABUTTERS PLAN	A
C-2	EXISTING CONDITIONS	A
C-3	SITE PLAN	1
A-1	COMPOUND AND ELEVATION	1
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A-3	EROSION CONTROL & DETAILS	1

VICINITY MAP



PROJECT DESCRIPTION

1. THIS IS AN UNMANNED AND RESTRICTED ACCESS EQUIPMENT SITE AND WILL BE USED FOR THE TRANSMISSION OF RADIO SIGNALS FOR THE PURPOSE OF PROVIDING PUBLIC CELLULAR SERVICE.
2. THIS FACILITY WILL CONSUME NO UNRECOVERABLE ENERGY.
3. NO POTABLE WATER SUPPLY IS TO BE PROVIDED AT THIS LOCATION.
4. NO WASTE WATER WILL BE GENERATED AT THIS LOCATION.
5. NO SOLID WASTE WILL BE GENERATED AT THIS LOCATION.
6. MAINTENANCE CREW (TYPICALLY ONE PERSON) WILL MAKE AN AVERAGE OF ONE TRIP PER MONTH AT ONE HOUR PER VISIT.

DO NOT SCALE DRAWINGS

CONTRACTOR SHALL VERIFY ALL PLANS AND EXISTING DIMENSIONS AND CONDITIONS ON THE JOB SITE AND SHALL IMMEDIATELY NOTIFY THE PROJECT OWNER'S REPRESENTATIVE IN WRITING OF DISCREPANCIES BEFORE PROCEEDING WITH THE WORK OR BE RESPONSIBLE FOR SAME.

LAND USE OFFICE

APR 10 2017

RECEIVED

PROJECT INFORMATION:

PROPERTY OWNER: STEVEN F. LENZI REV. TRUST & PAMELA M. LENZI REV. TRUST
304 YOUNG ROAD
BARRINGTON, NH 03825

APPLICANT: VARSITY WIRELESS INVESTORS, LLC
290 CONGRESS STREET, 7TH FLOOR
BOSTON, MA 02210

SITE ADDRESS: BUMFORD ROAD
BARRINGTON, NH 03825

COUNTY: STRAFFORD COUNTY

LATITUDE: N 43° 11' 42.69"

LONGITUDE: W 70° 59' 27.64"

ZONING CLASSIFICATION: GENERAL RESIDENTIAL & STRATIFIED
DRIFT AQUIFER OVERLAY

ZONING JURISDICTION: TOWN OF BARRINGTON

PARCEL ID: 218.251-64

PARCEL AREA: 95± ACRES

ARCHITECT / ENGINEER: HUDSON DESIGN GROUP LLC
1600 OSGOOD STREET
BUILDING 20 NORTH, SUITE 3090
N. ANDOVER, MA 01845

DRIVING DIRECTIONS

DIRECTIONS TO SITE FROM 290 CONGRESS STREET BOSTON, MA:

DEPART CONGRESS ST TOWARD ATLANTIC AVE. 495 FT. TURN RIGHT ONTO ATLANTIC AVE. 0.1 MI. TAKE RAMP FOR I-93 NORTH TOWARD CONCORD NH. 1.5 MI. AT EXIT 27, TAKE RAMP LEFT FOR US-1 NORTH TOWARD REVERE / TOBIN BR. 14.5 MI. TAKE RAMP RIGHT FOR I-95 N. ENTERING NEW HAMPSHIRE. TOLL ROAD 38.3 MI. AT EXIT 4, TAKE RAMP LEFT FOR RT-16 TOWARD NH LAKES / WHITE MTS. 1.8 MI. ROAD NAME CHANGES TO US-4 W / RT-16 N / SPAULDING TPKE. 4.2 MI. AT EXIT 6W, TAKE RAMP RIGHT FOR US-4 WEST TOWARD DURHAM / CONCORD. 9.9 MI. AT ROUNDABOUT, TAKE 1ST EXIT ONTO RT-125 N / CALEF RD. 3.2 MI. TURN RIGHT ONTO BUMFORD RD. ARRIVE AT SITE AT END OF THE ROAD.

APPROVED BY THE BARRINGTON PLANNING BOARD

DATE

CHAIRMAN

RECORDING AGENT

REVISIONS

REV. #	DATE	DESCRIPTION
1	03/03/17	ISSUED FOR PERMITTING
A	01/27/17	ISSUED FOR REVIEW

PROJECT NO.	DESIGNED BY: AT	SCALE:
VW2-NH-0032A	DRAWN BY: SB	AS SHOWN
	CHECKED BY: DPH	

SITE NAME:

VW2-NH-0032A
BARRINGTON 1

SITE ADDRESS:

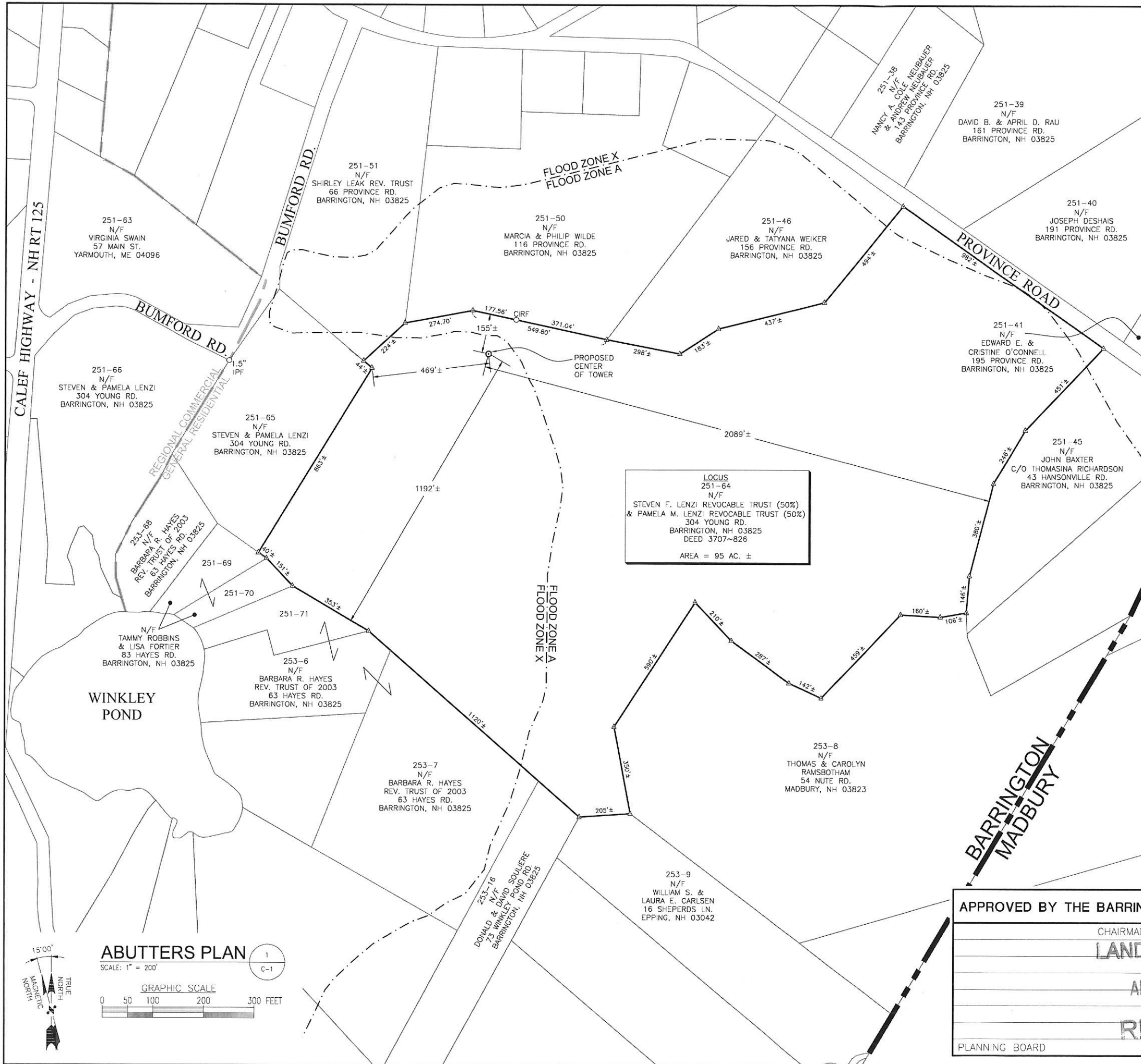
BUMFORD ROAD
BARRINGTON, NH 03825
OWNER OF RECORD:
STEVEN F. LENZI REV. TRUST &
PAMELA M. LENZI REV. TRUST

SHEET TITLE:

TITLE SHEET

SHEET NO.:

T-1



LEGEND

- PROPERTY LINE-SUBJECT PARCEL
- PROPERTY LINE-ABUTTERS
- ZONING DISTRICT BOUNDARY LINE
- EXISTING BUILDING
- ASSESSORS MAP-BLOCK-LOT NO.

ZONING INFORMATION

JURISDICTION: TOWN OF BARRINGTON		
ZONING DISTRICT : GENERAL RESIDENTIAL		
DIMENSION REQUIREMENTS FOR COMMUNICATION TOWERS AND ACCESSORY FACILITIES IN GEN. RESIDENTIAL DISTRICT	REQUIRED	PROPOSED
TOWER SETBACK TO PROPERTY LINE (50% OF 150' TOWER HEIGHT)	75'	155'
EQUIPMENT SETBACK TO WETLAND	75'	60'
(ALL MEASUREMENTS ARE IN FEET ± UNLESS OTHERWISE NOTED)		

SITE NOTES

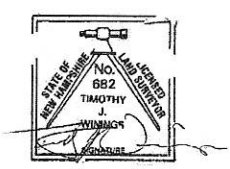
- FIELD SURVEY DATE: 10-29-2016
- HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983 (NAD83 2011)
- VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM (NAVD88)
- ZONING: GENERAL RESIDENTIAL
- OWNER: STEVEN F. LENZI REV. TRUST & PAMELA M. LENZI REV. TRUST 304 YOUNG ROAD BARRINGTON, NH 03825
- SITE NAME: BARRINGTON 1
- SITE NUMBER: VW2-NH-0032A
- SITE ADDRESS: BUMFORD ROAD BARRINGTON, NH 03825
- APPLICANT: VARSITY WIRELESS 290 CONGRESS ST. 7TH FLOOR BOSTON, MA 02210
- AREA: 95 ACRES ±
- TAX ID: 251-64
- THE HORIZONTAL DATUM AND VERTICAL DATUM WERE DERIVED FROM A POST-PROCESSED STATIC DUAL FREQUENCY GPS SURVEY.
- ALL UNDERGROUND UTILITY INFORMATION PRESENTED HEREON WAS DETERMINED FROM SURFACE EVIDENCE AND PLANS OF RECORD. ALL UNDERGROUND UTILITIES SHOULD BE LOCATED IN THE FIELD PRIOR TO COMMENCEMENT OF ALL SITE WORK. CALL DIGSAFE 1-800-322-4844 A MINIMUM OF 72 HOURS PRIOR TO PLANNED ACTIVITY.
- ACCORDING TO FEDERAL EMERGENCY MANAGEMENT AGENCY MAPS, THE MAJOR IMPROVEMENTS ON THIS PROPERTY ARE LOCATED IN AN AREA DESIGNATED AS ZONE X (NO SHADING), AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN. COMMUNITY PANEL NO. 33017C0305E EFFECTIVE DATE: SEPTEMBER 30, 2015
- FIELD SURVEY BY EDM TOTAL STATION.
- THIS IS NOT A BOUNDARY SURVEY.
- ALL PROPERTY LINES ARE BASED UPON DEEDS, PLANS OF RECORD, ASSESSOR'S MAPS & GIS DATA ONLY AND SHOULD BE CONSIDERED APPROXIMATE.
- WETLANDS WERE DELINEATED BY A.D. KLUMB ENVIRONMENTAL, LLC.

APPROVED BY THE BARRINGTON PLANNING BOARD	DATE
CHAIRMAN	
LAND USE OFFICE	
APR 13 2017	
RECEIVED	
PLANNING BOARD	

arsity wireless
290 CONGRESS ST. 7TH FLOOR
BOSTON, MA 02210

Hudson Design Group LLC
1600 OSGOOD STREET
BLD 20 N, SUITE 3090
N. ANDOVER, MA 01845
TEL: (978)-557-5553
FAX: (978)-336-5586

NORTHEAST SURVEY CONSULTANTS
116 PLEASANT ST. SUITE 302
P.O. BOX 109
EASTHAMPTON, MA 01027
(413) 203-5144



TIMOTHY J. WININGS, LS #682
LICENSED LAND SURVEYOR

REVISIONS

REV. #	DATE	DESCRIPTION
A	03/03/17	SUBMITTED FOR REVIEW

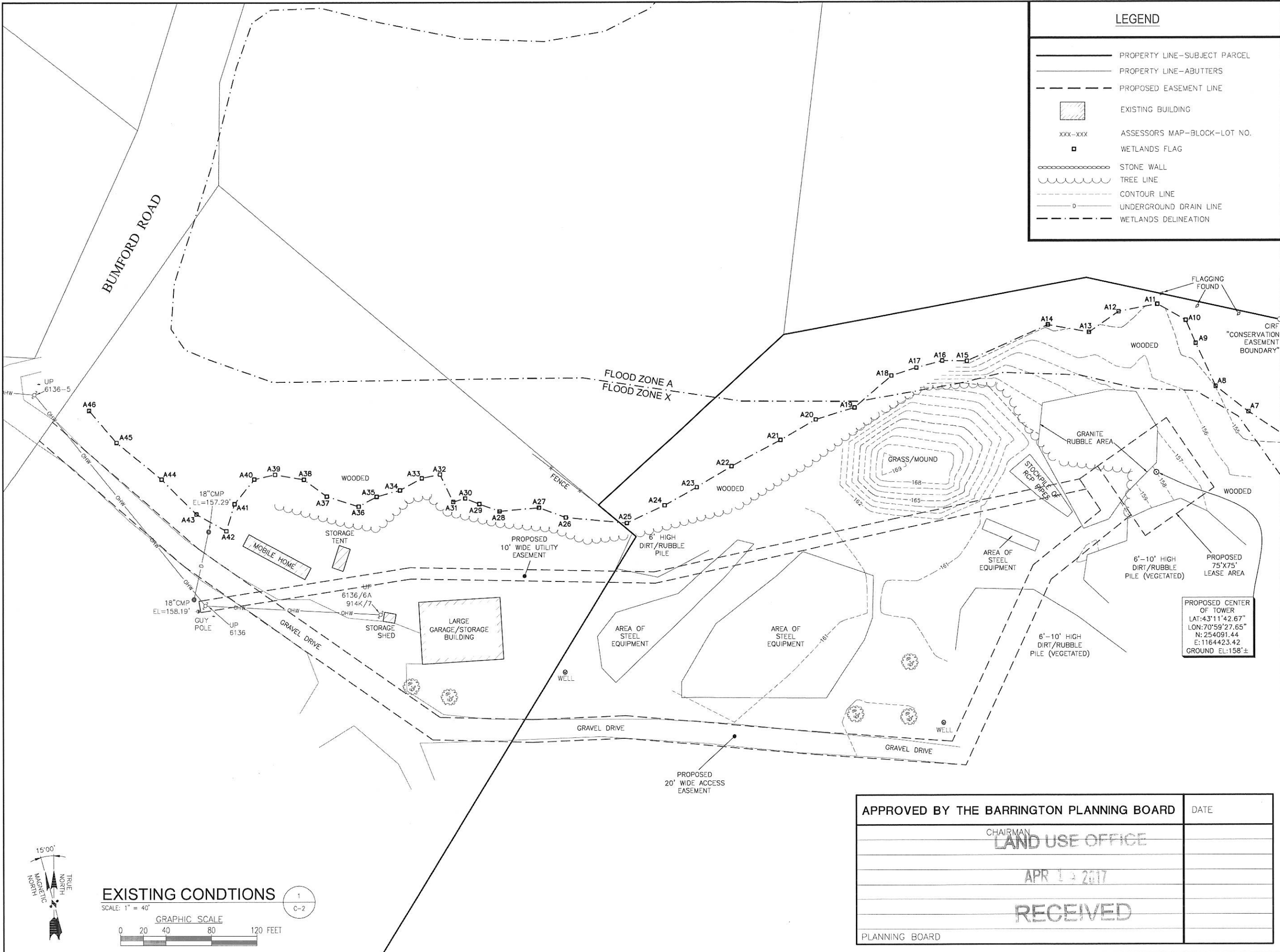
PROJECT NO:	DESIGNED BY: -	SCALE:
VW2-NH-0032A	DRAWN BY: BCF	1" = 200'
	CHECKED BY: BCF	

SITE NAME:
**VW2-NH-0032A
BARRINGTON 1**

SITE ADDRESS:
**BUMFORD ROAD
BARRINGTON, NH 03825**

SHEET TITLE:
ABUTTERS PLAN

SHEET NO:
C-1



LEGEND

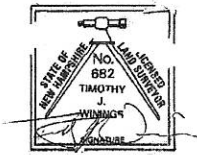
- PROPERTY LINE-SUBJECT PARCEL
- PROPERTY LINE-ABUTTERS
- PROPOSED EASEMENT LINE
- EXISTING BUILDING
- XXX-XXX ASSESSORS MAP-BLOCK-LOT NO.
- WETLANDS FLAG
- STONE WALL
- TREE LINE
- CONTOUR LINE
- UNDERGROUND DRAIN LINE
- WETLANDS DELINEATION



290 CONGRESS ST. 7TH FLOOR
BOSTON, MA 02210



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PROJECT NO.	DESIGNED BY: -	SCALE:
VW2-NH-0032A	DRAWN BY: BCF	1" = 40'
	CHECKED BY: BCF	

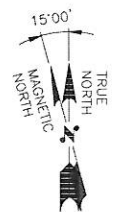
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BARRINGTON, NH 03825

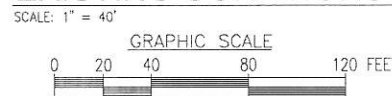
SHEET TITLE:
EXISTING CONDITIONS

SHEET NO:
C-2

APPROVED BY THE BARRINGTON PLANNING BOARD	DATE
CHAIRMAN	
LAND USE OFFICE	
APR 13 2017	
RECEIVED	
PLANNING BOARD	



EXISTING CONDITONS



FOR REGISTRY USE ONLY

ZONING INFORMATION

JURISDICTION: TOWN OF BARRINGTON

ZONING DISTRICT: GENERAL RESIDENTIAL & STRATIFIED
DRIFT AQUIFER OVERLAY

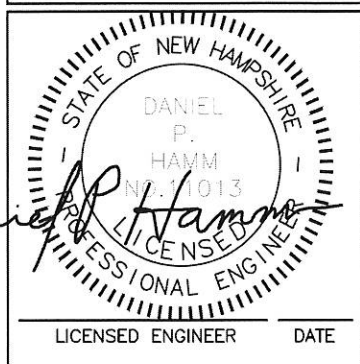
DIMENSION REQUIREMENTS FOR COMMUNICATION TOWERS AND ACCESSORY FACILITIES IN GEN. RESIDENTIAL DISTRICT	REQUIRED	PROPOSED
TOWER SETBACK TO PROPERTY LINE (50% TOWER HEIGHT)	75'	155'
EQUIPMENT SETBACK TO WETLANDS	75'	60'
COMPOUND SETBACK TO PRIME WETLAND BOUNDARY	100'	114' & 128'

(ALL MEASUREMENTS ARE IN FEET ±
UNLESS OTHERWISE NOTED)

AUDRA L. KLUMB, NH CERTIFIED WETLAND SCIENTIST #222
OF A&D KLUMB ENVIRONMENTAL, LLC, WEBSTER, NH,
PERFORMED THE WETLAND MAPPING FOR THIS SITE ON
OCTOBER 7, 2016 ACCORDING TO THE TECHNICAL
CRITERIA OF THE US ARMY CORPS OF ENGINEERS
REGIONAL SUPPLEMENT TO THE CORPS OF ENGINEERS
WETLAND DELINEATION MANUAL: NORTHCENTRAL AND
NORTHEAST REGION, VERSION 2.0 (JANUARY 2012) AND
NH STATUTE RSA482-A:2 X.

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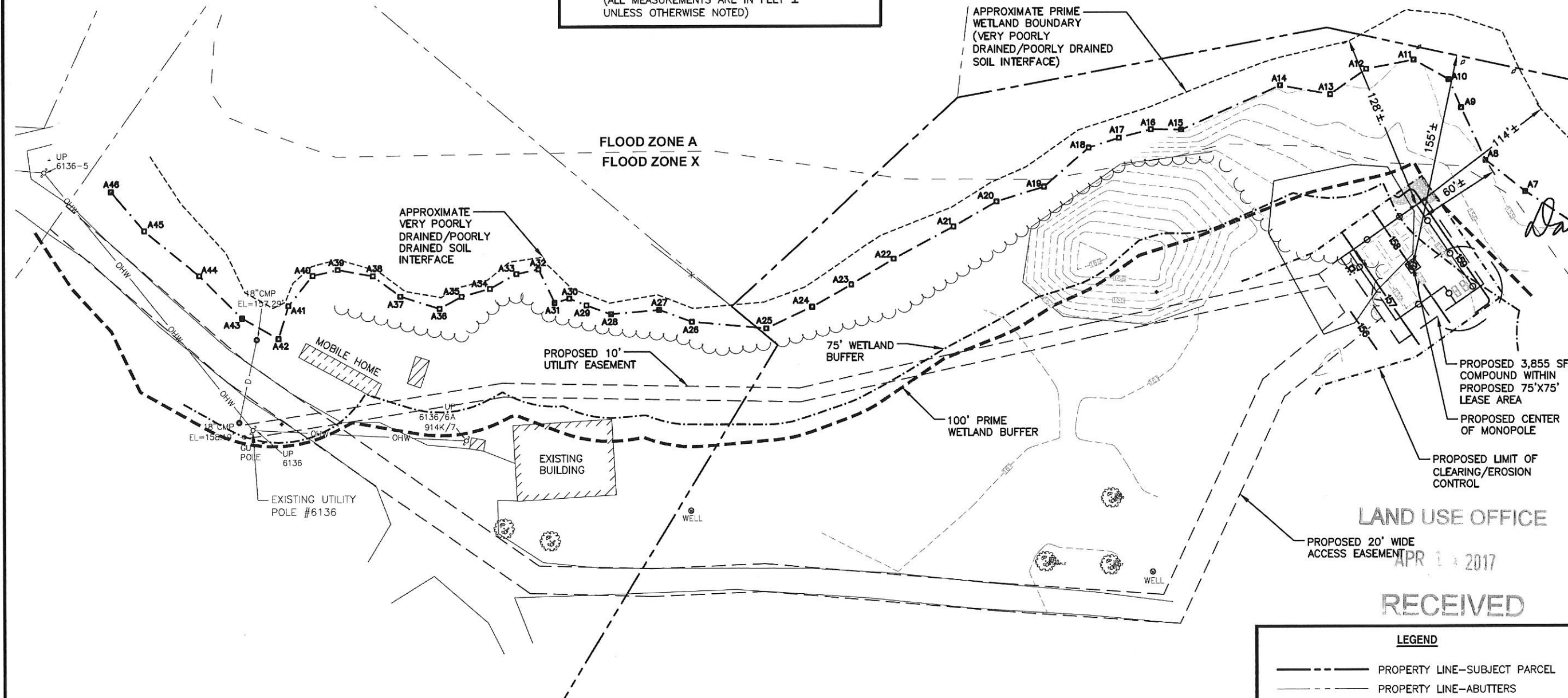
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	CHECKED BY: DPH	

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VW2-NH-0032A
BARRINGTON 1

SITE ADDRESS:
BUMFORD ROAD
BARRINGTON, NH 03825
OWNER OF RECORD:
STEVEN F. LENZI REV. TRUST &
PAMELA M. LENZI REV. TRUST

SHEET TITLE:
SITE PLAN

SHEET NO.:
C-3



SITE PLAN
22x34 SCALE: 1"=40'
11x17 SCALE: 1"=80'

1
C-3

GRAPHIC SCALE
0 20 40 80 120 FEET

APPROVED BY THE BARRINGTON PLANNING BOARD

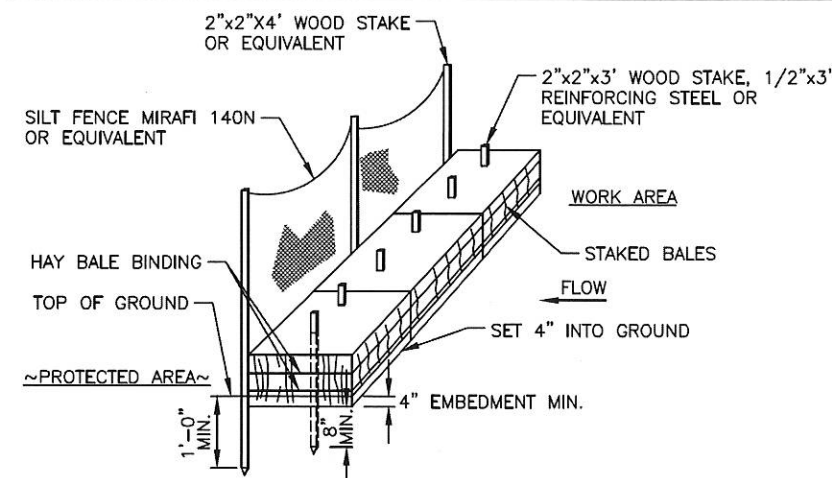
DATE

CHAIRMAN	
RECORDING AGENT	

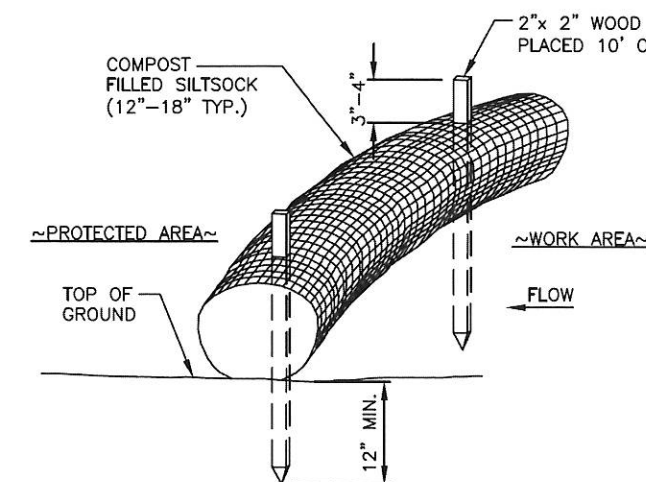
LEGEND

- PROPERTY LINE-SUBJECT PARCEL
- PROPERTY LINE-ABUTTERS
- PROPOSED EASEMENT
- EXISTING SOILS BOUNDARY
- EXISTING BUILDING
- XXX-XXX PARCEL ID #
- STONE WALL
- TREE LINE
- CONTOUR LINE
- UNDERGROUND DRAIN LINE

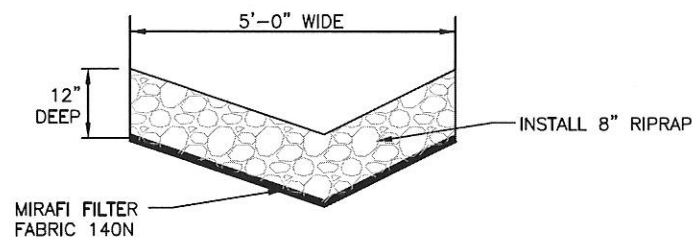
APPROVED BY THE BARRINGTON PLANNING BOARD	DATE
CHAIRMAN	
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HAYBALES/SILT FENCE DETAIL
SCALE: N.T.S.



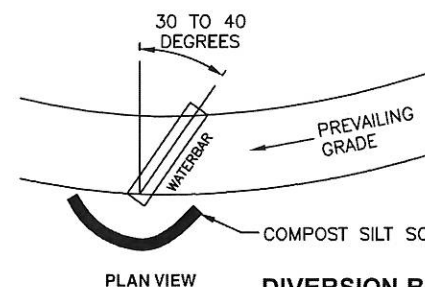
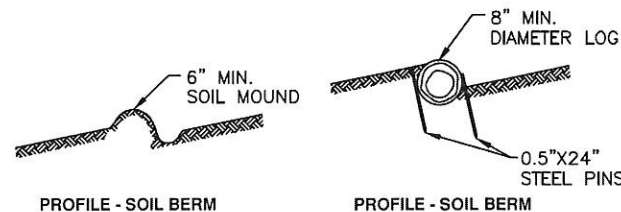
SILT SOCK DETAIL
SCALE: N.T.S.



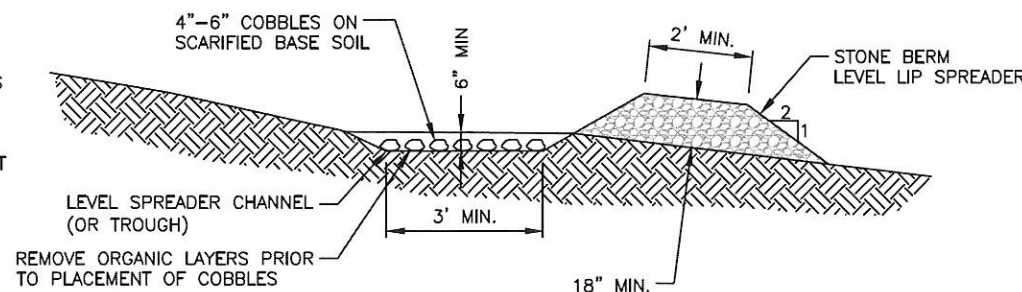
RIP-RAP LINED ROADSIDE INFILTRATION DITCH
SCALE: N.T.S.

CONSTRUCTION SPECIFICATIONS - SILT FENCE

1. THE GEOTEXTILE FABRIC SHALL MEET THE DESIGN CRITERIA FOR SILT FENCES.
2. THE FABRIC SHALL BE EMBEDDED A MINIMUM OF 8 INCHES INTO THE GROUND AND THE SOIL COMPACTED OVER THE EMBEDDED FABRIC.
3. WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO THE FENCE POSTS WITH WIRE TIES OR STAPLES.
4. FILTER CLOTH SHALL BE FASTENED SECURELY TO THE WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP, MID-SECTION AND BOTTOM.
5. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED, AND STAPLED.
6. FENCE POSTS SHALL BE A MINIMUM OF 36 INCHES LONG AND DRIVEN A MINIMUM OF 16 INCHES INTO THE GROUND. WOOD POSTS SHALL BE OF SOUND QUALITY HARDWOOD AND SHALL HAVE A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQUARE INCHES.
7. MAINTENANCE SHALL BE PERFORMED AS NEEDED TO PREVENT BULGES IN THE SILT FENCE DUE TO DEPOSITION OF SEDIMENT.



DIVERSION BERM DETAIL
SCALE: N.T.S.

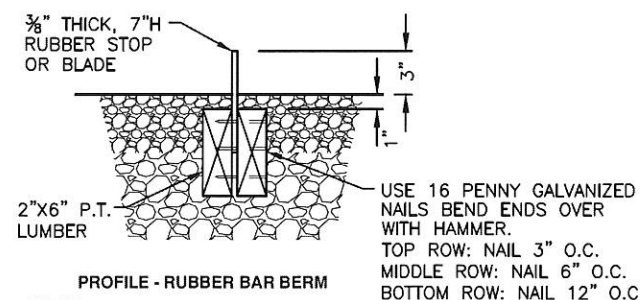


LEVEL SPREADER DETAIL
SCALE: N.T.S.

TABLE 4-13: GRADATION OF STONE FOR LEVEL SPREADER BERM	
SIEVE DESIGNATION	% BY WEIGHT PASSING SQUARE MESH SIEVE
12-INCH	100%
6-INCH	84%-100%
3-INCH	68%-83%
1-INCH	42%-55%
NO. 4	8%-12%

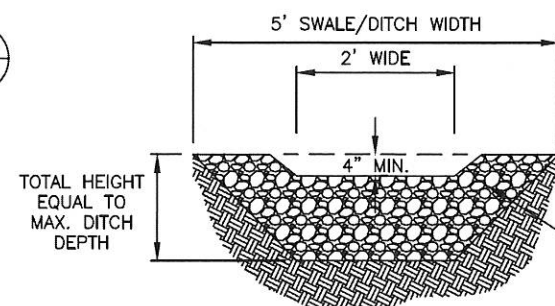
MAINTENANCE - SILT FENCE

1. SILT FENCES SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
2. IF THE FABRIC ON A SILT FENCE SHOULD DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
3. SEDIMENT DEPOSITS SHOULD BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHOULD BE REMOVED WHEN THEY REACHED APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER.
4. SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.
5. REMOVE ALL SEDIMENTATION CONTROLS AFTER SOIL IS STABILIZED.



NOTES:

1. OPEN TOP BOX TO BE CONSTRUCTED FROM 2" THICK WOOD.
2. INSTALL BARS AT LOCATIONS INDICATED ON PLANS
3. SOIL MOUNDED WATERBAR SHALL CONSIST OF A 6" MOUND OF COMPACTED SOIL IMMEDIATELY DOWNGRADIENT OF TROUGH.



NOTE:
SHAPED CHECK DAM TO BE LOCATED UPGRADIENT OF STONE BERM LEVEL SPREADER ENTRANCES

CHECK DAM DETAIL (PER NHDES)
SCALE: N.T.S.

EROSION CONTROL MEASURES:

1. DISTURBED AREAS SHALL BE KEPT TO THE MINIMUM AREA NECESSARY TO CONSTRUCT THE ROADWAYS AND ASSOCIATED DRAINAGE FACILITIES.
2. HAY BALE BARRIERS AND SEDIMENT TRAPS SHALL BE INSTALLED AS REQUIRED. BARRIERS AND TRAPS ARE TO BE MAINTAINED AND CLEANED UNTIL ALL SLOPES HAVE A HEALTHY STAND OF GRASS.
3. BALED HAY AND MULCH SHALL BE MOWINGS OF ACCEPTABLE HERBACEOUS GROWTH, FREE FROM NOXIOUS WEEDS OR WOODY STEMS, AND SHALL BE DRY. NO SALT HAY SHALL BE USED.
4. FILL MATERIAL SHALL BE FREE FROM STUMPS, WOOD, ROOTS, ETC.
5. STOCKPILED MATERIALS SHALL BE PLACED ONLY IN AREAS SHOWN ON THE PLANS. STOCKPILES SHALL BE PROTECTED BY SILTATION FENCE AND SEEDED TO PREVENT EROSION. THESE MEASURES SHALL REMAIN UNTIL ALL MATERIAL HAS BEEN PLACED OR DISPOSED OFF SITE.
6. ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED. A MINIMUM OF 4 INCHES OF LOAM SHALL BE INSTALLED WITH NOT LESS THAN ONE POUND OF SEED PER 50 SQUARE YARDS OF AREA.
7. APPLICATION OF GRASS SEED, FERTILIZERS AND MULCH SHALL BE ACCOMPLISHED BY BROADCAST SEEDING OR HYDROSEEDING AT THE RATES OUTLINED BELOW:

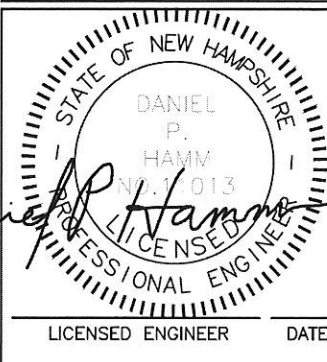
LIMESTONE: 75-100 LBS./1,000 SQUARE FEET.
FERTILIZER: RATE RECOMMENDED BY MANUFACTURER.
MULCH: HAY MULCH APPROXIMATELY 3 TONS/ACRE UNLESS EROSION CONTROL MATTING IS USED.

SEED MIX (SLOPES LESS THAN 4:1)	LBS./ACRE
CREeping RED FESCUE	20
TALL FESCUE	20
RED TOP	2
TOTAL	42
SLOPE MIX (SLOPES GREATER THAN 4:1)	LBS./ACRE
CREeping RED FESCUE	20
TALL FESCUE	20
RED TOP	8
TOTAL	48

8. AFTER ALL DISTURBED AREAS HAVE BEEN STABILIZED THE TEMPORARY EROSION CONTROL MEASURES ARE TO BE REMOVED.
9. ALL CATCH BASIN INLETS WILL BE PROTECTED WITH LOW POINT SEDIMENTATION BARRIER.
10. ALL STORM DRAINAGE OUTLETS WILL BE STABILIZED AND CLEANED AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.
11. ALL DEWATERING OPERATIONS MUST DISCHARGE DIRECTLY INTO A SEDIMENT FILTER AREA.
12. NO DISCHARGE SHALL BE DIRECTED TOWARDS ANY PROPOSED DITCHES, SWALES, OR PONDS UNTIL THEY HAVE BEEN PROPERLY STABILIZED.

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VW2-NH-0032A
BARRINGTON 1

SITE ADDRESS:
BUMFORD ROAD
BARRINGTON, NH 03825
OWNER OF RECORD:
STEVEN F. LENZI REV. TRUST &
PAMELA M. LENZI REV. TRUST

SHEET TITLE:
EROSION CONTROL
DETAILS & NOTES

SHEET NO.:
A-3