



Sudbury to Hudson Reliability Project Invasive Plant Management Plan

DECEMBER 2021

PREPARED FOR

Eversource Energy

PREPARED BY

SWCA Environmental Consultants

SUDBURY TO HUDSON RELIABILITY PROJECT INVASIVE PLANT MANAGEMENT PLAN

Prepared for

Eversource Energy

NSTAR Electric Company d/b/a Eversource Energy
247 Station Drive Westwood, MA 02090

Prepared by

SWCA Environmental Consultants

15 Research Drive
Amherst, Massachusetts 01002
(413) 256-0202
www.swca.com

December 2021

CONTENTS

1	Introduction	1
2	Pre-Construction Conditions.....	1
2.1	Invasive Plant Species Present.....	2
2.2	Invasive Plant Species Prevalence.....	2
3	Invasive Management Plan.....	3
3.1	Areas Identified for Invasive Plant Management	3
3.2	Initial Methods of Management.....	5
3.3	Clearing and Grubbing	6
3.4	Follow-up Management.....	6
4	Site Restoration.....	7
5	Invasive Species Monitoring.....	7
6	Summary	8

Appendices

Appendix A. Invasive Species Management Plan – All Data

Figures

Figure 1. 2021 All Survey Results (Sudbury) Mapbook

Figure 2. 2021 Invasive Species Treatment Plan Mapbook

Tables

Table 1.	Invasive Plant Species Present.....	2
Table 2.	Invasive Plant Species Prevalence along the ROW	3
Table 3.	Locations Targeted for Invasive Plant Management	4

This page intentionally blank.

1 INTRODUCTION

NSTAR Electric Company d/b/a Eversource Energy (“Eversource”) is proposing to build an approximately 9 mile 115-kilovolt (kV) underground transmission line between Eversource’s existing Sudbury substation in Sudbury, Massachusetts, and the Hudson Light & Power Company’s (HL&P) substation in Hudson, Massachusetts. The new underground transmission line will traverse the municipalities of Sudbury, Hudson, Stow, and Marlborough, Massachusetts. Approximately 7.5 miles of the new transmission line will be installed within an inactive Massachusetts Bay Transportation Authority (MBTA) railroad right-of-way (ROW). Eversource has coordinated with the Massachusetts Department of Conservation and Recreation (DCR) to develop a two-phased project in which a portion of the Massachusetts Central Rail Trail (MCRT) will be co-located with the new transmission line. Phase I is the responsibility of Eversource and will include the installation of the underground transmission line, all major earthwork, installation of the stormwater management system, construction of a 14-foot gravel road, construction/renovation of Bridges 128 and 127, site restoration, and implementation of all mitigation. Phase II is the responsibility of DCR and will include the paving of the MCRT, installation of safety plantings and other trail amenities, and long-term maintenance of the corridor.

The Town of Sudbury, per requirements of the Sudbury Wetlands Administration Bylaw, requires mitigation of adjacent upland resource areas (AURAs) through invasive species management per the Order of Conditions (OOC) issued to Eversource and DCR (MassDEP File# 301-1287). AURAs generally consist of land within 100 feet of wetland resource areas and land within 200 feet from the top of bank of perennial streams and rivers.

Prior to the commencement of each project phase, Special Condition Part I(r) of the OOC requires that invasive species presence along the corridor be mapped within and adjacent to the limit of work (LOW). This invasive species management plan includes mapping to satisfy the conditions of the permit (Figures 1 and 2). The intent of the pre-construction mapping and data collection is to create a baseline map identifying invasive plant populations existing along the ROW prior to the commencement of construction activities. The mapping and data collection provides critical information necessary for the development of this invasive plant management plan.

Special Condition Part II specific to Phase I(b) requires submittal of an invasive species management plan to the Sudbury Conservation Commission 4 weeks prior to any land disturbance. The management plan specifically involves the removal and management of invasive species and revegetation with native species for a period of 5 years for a minimum of 3.3 acres of land within the MBTA ROW, but outside of the proposed LOW. This document satisfies this condition. The intent of the invasive species management efforts at the project site is to improve wildlife habitat.

This plan includes details regarding the pre-construction assemblage and dissemination of invasive species along the project corridor in Sudbury, proposed management activities, post-management restoration, and post-management site monitoring and reporting.

2 PRE-CONSTRUCTION CONDITIONS

A baseline inventory survey identifying all invasive species located along the ROW in the Sudbury portion of the project was conducted in July 2021. Data are provided in tabular form in Appendix A and global positioning system (GPS)-based mapping is provided as Figure 1. Representative project photographs are provided in Appendix B.

Baseline surveys involved identifying individual stands of invasive plant species along the entire ROW. Invasive plant survey technicians made note of access constraints, habitat improvement potential, and proximity to off-ROW populations of invasive plant species. Populations were documented as polygons via GPS units. Density of the population and exact species of the invasive plants present were noted and documented.

2.1 Invasive Plant Species Present

The invasive plant species located within the ROW are listed in Table 1, and noted in Figure 1, Invasive Species Management Plan Mapbook, and in Appendix A.

Table 1. Invasive Plant Species Present

Common Name	Scientific Name
Common reed	<i>Phragmites australis</i>
Purple loosestrife	<i>Lythrum salicaria</i>
Japanese barberry	<i>Berberis thunbergii</i>
Asiatic bittersweet	<i>Celastrus orbiculatus</i>
Autumn olive	<i>Elaeagnus umbellata</i>
Morrow's honeysuckle	<i>Lonicera morrowii</i>
Japanese knotweed	<i>Polygonum cuspidatum</i>
Glossy buckthorn	<i>Rhamnus frangula</i>
Multiflora rose	<i>Rosa multiflora</i>
Black locust	<i>Robinia psuedoacacia</i>
Garlic mustard	<i>Alliaria petiolata</i>
Norway maple	<i>Acer platanoides</i>
Reed canary grass	<i>Phalaris arundinacea</i>
Burning bush	<i>Euonymus alatus</i>
Tree of heaven	<i>Ailanthus altissima</i>

2.2 Invasive Plant Species Prevalence

As noted, invasive plant polygons were documented along the ROW in Sudbury. The recorded pre-construction data include species identification, polygon limits of infestation (area calculation), and percent cover of the invasive species within the documented polygon. Each population was assigned a Feature ID which was coded with the town initials, scientific name abbreviation, and series population number.

Table 2 (below) indicates the invasive species observed along the ROW in terms of prevalence relative to area size (square feet). The species in Table 2 are presented from most prevalent invasive plant species to least abundant along the ROW.

Table 2. Invasive Plant Species Prevalence along the ROW

Common Name	Scientific Name	ROW Area Total (square feet)
Glossy buckthorn	<i>Rhamnus frangula</i>	1,140,959.00
Asiatic bittersweet	<i>Celastrus orbiculatus</i>	411,722.00
Morrow's honeysuckle	<i>Lonicera morrowii</i>	160,120.90
Multiflora rose	<i>Rosa multiflora</i>	85,501.58
Norway maple	<i>Acer platanoides</i>	78,239.94
Japanese barberry	<i>Berberis thunbergii</i>	34,108.00
Purple loosestrife	<i>Lythrum salicaria</i>	31,556.48
Burning bush	<i>Euonymus alatus</i>	21,765.56
Common reed	<i>Phragmites australis</i>	18,897.14
Garlic mustard	<i>Alliaria petiolata</i>	17,642.32
Japanese knotweed	<i>Polygonum cuspidatum</i>	10,473.98
Autumn olive	<i>Elaeagnus umbellata</i>	8,851.25
Reed canary grass	<i>Phalaris arundinacea</i>	8,337.65
Black locust	<i>Robinia psuedoacacia</i>	1,218.51
Tree of heaven	<i>Ailanthus altissima</i>	3.14

3 INVASIVE MANAGEMENT PLAN

To establish which locations would be most suitable for invasive plant management, mitigation GIS specialists analyzed the recorded data regarding the location of invasive plant populations relative to the different components of the ROW and project. These include the LOW, ROW limits, and area located within the ROW but outside of the LOW (identified as the Area Within Management Zone). Recorded invasive plant data were then detailed across each of these three zones.

Each location was ranked regarding treatment location parameters such as access to the populations, whether the management of the invasive plants will be beneficial to wildlife habitat, and if the management of each population is feasible. The mitigation goal is associated with locally regulated Adjacent Upland Resource Area, and as such vegetated wetlands were not specifically targeted for mitigation at this project. The limitation of management options also poses potential risk to resource areas as the allowable management means are physical in nature and involve soil disturbance. This factor was also considered regarding the location of proposed invasive plant management along the ROW.

The most ideal treatment areas would be entirely confined by the limits of the ROW (populations do not extend beyond the ROW). Invasive plant populations identified within the LOW will be managed through the construction project and will not be considered as invasive plant management detailed in the OOC under Special Condition Part II specific to Phase I(b).

3.1 Areas Identified for Invasive Plant Management

SWCA and the Town of Sudbury Conservation Commission Administrator conducted a site visit to field-verify each location of invasive species identified along the ROW and discussed whether each population should be considered for management. The Town provided feedback regarding priority management areas

to consider managing across the ROW and are presented in Table 3 below. Mapping was finalized identifying ideal treatment areas (Figure 2) along the Sudbury portion of the ROW. The target management area as set in the OOC associated with the project is 3.3 acres. During the site visit, 11.38 acres of individual invasive plant populations were located along the Sudbury ROW. The populations and the field notes from the meeting with the Town were reviewed and it was concluded that 3.64 acres of the ROW outside the LOW would be targeted for management for this project.

Table 3 summarizes the locations individual populations of invasive species targeted for invasive plant management (outside of the LOW).

Table 3. Locations Targeted for Invasive Plant Management

Feature ID	Area in Management Zone (square feet)	% Cover
SU-ACPL-066	6,691.39	75%
SU-ACPL-179	2,023.30	75%
SU-ALPE4-163	58.48	15%
SU-ALPE4-172	386.85	25%
SU-BETH-042	4,246.61	7%
SU-BETH-156	510.77	15%
SU-BETH-162	3,454.73	15%
SU-BETH-165	782.10	25%
SU-CEOR7-018	3.14	Over 90%
SU-CEOR7-039	8,052.45	15%
SU-CEOR7-061	63.86	38%
SU-CEOR7-080	22,974.22	38%
SU-CEOR7-083	3,531.82	25%
SU-CEOR7-106	92.87	25%
SU-CEOR7-149	38.57	38%
SU-CEOR7-152	249.60	50%
SU-CEOR7-167	720.24	25%
SU-DIERV-010	742.37	50%
SU-DIERV-012	2,660.11	38%
SU-DIERV-049	237.67	25%
SU-DIERV-151	37.26	15%
SU-DIERV-164	104.22	25%
SU-DIERV-171	1,511.91	25%
SU-EUAL13-038	3.14	Over 90%
SU-EUAL13-041	3.14	Over 90%
SU-EUAL13-047	1,657.62	15%
SU-EUAL13-051	3.14	Over 90%
SU-EUAL13-053	3.14	Over 90%
SU-EUAL13-063	102.43	25%
SU-FRANG-005	6,764.20	50%
SU-FRANG-011	9,735.61	75%
SU-FRANG-014	846.95	25%
SU-FRANG-016	66.02	15%

Feature ID	Area in Management Zone (square feet)	% Cover
SU-FRANG-036	43,221.89	75%
SU-FRANG-060	113.55	25%
SU-FRANG-064	6,175.77	38%
SU-FRANG-079	23,361.16	60%
SU-FRANG-082	7,630.16	75%
SU-FRANG-084	9,916.42	75%
SU-FRANG-148	84,650.79	75%
SU-FRANG-173	882.70	15%
SU-PHAU7-108	189.22	15%
SU-ROMU-007	572.49	25%
SU-ROMU-048	2,270.98	38%
SU-ROMU-129	328.39	25%
SU-ROMU-150	39.60	38%
SU-ROMU-154	59.38	25%
SU-ROPS-044	981.19	60%
SU-ROPS-177	3.14	Over 90%

It should be noted that the information presented in Table 3 includes the total area per population delineated during the invasive species management survey. Often populations for one species overlap populations for other species. This area calculation (presented in Table 3) does not consider the population overlap.

3.2 Initial Methods of Management

Methods for managing the invasive plant species identified on the ROW were analyzed and discussed with the Town of Sudbury Conservation Commission Administrator. All methods of managing invasive plant species were considered and assessed by species targeted for control and location of the invasive plant populations. It should be noted that the Siting Board Permit (Energy Facility Siting Board Final Decision (EFSB 17-02, DPU 17-82 & 83), dated Dec. 18, 2019, Condition F) does not allow for the use of herbicides within the entire ROW. Therefore, to abide by this permit condition invasive plant management will not be achieved by way of herbicide applications. To eliminate any risk of destabilization of wetland resource areas no invasive plant management is being proposed for jurisdictional wetland resource areas (all state and local jurisdictional areas). This plan provides guidance for invasive plant management and is a living document that may be adjusted as necessary during the project. This section summarizes the invasive plant management techniques proposed along the ROW. It should be noted that the management areas will be accessed by way of the proposed construction, since access for equipment and personnel is not available currently.

Condition F. The Siting Board directs Eversource to utilize mechanical vegetation management along the MBTA ROW. Further, if Eversource finalizes an MOU with DCR for vegetation management along the MCRT, Eversource shall incorporate the same provision in the MOU. If DCR does not agree to the inclusion of this provision in the MOU, Eversource shall submit a report to the Siting Board describing DCR's objections for the Board's consideration.

3.3 Clearing and Grubbing

Clearing and grubbing is proposed as the method of management best suited for invasive species within the ROW. Invasive plant management professionals may consider alternative means of managing invasive species if site conditions dictate that clearing and grubbing would not be suitable. Conditions where this might be considered include the topography of the management area, access to the management area, off ROW adjacent land use potential impact to native species. This method is not suitable for all invasive plant species as some species are unlikely to be managed successfully with the employment of this method. *This method should be avoided for the following species: phragmites, Japanese knotweed, and garlic mustard.* Clearing and grubbing will successfully eliminate much of the woody invasive vegetation present within the management area. However, some resprouting will be expected the following spring. Clearing woody invasive plant material involves cutting the targeted plant to the base, chipping the waste material, and removing the root flare from the ground. If possible, clearing activities should occur during plant dormancy or when the targeted plant species have not produced fruit. This timing would prevent seed development from the invasive plants prior to grubbing, which should reduce the risk of spreading invasive plant propagules through this action.

The contractor conducting the clearing and grubbing activities associated with the invasive plant management shall take care when operating machinery within invasive-populated areas. Extra care should be taken when transporting equipment from areas with established stands of phragmites and Japanese knotweed, as machine tracks may spread the root/rhizome fragments and lead to proliferation of these two species in other sections of the project work zone. No grubbing activities should occur within populations of phragmites or Japanese knotweed.

Site restoration activities should be implemented in conjunction with the clearing and grubbing operations to ensure that restoration vegetation is installed immediately following the removal of the invasive plant material. This should increase the potential of successfully restoring these management areas. See Section 4, Site Restoration, for further details.

3.4 Follow-up Management

Five years of invasive plant management is required per the OOC under Special Condition Part II specific to Phase I(b). Follow-up management activities will occur for five years from the start of construction in an attempt to reduce or eradicate invasive species found within the proposed management areas (see Table 3). Invasive species monitoring should occur each year that management has occurred (see Section 5). The follow-up management actions should be in response to the data recorded and analyzed annually. In general, the intent of the follow-up management is to continue the efforts to reduce and potentially eliminate invasive species from the managed areas. It is possible that invasive plants may resprout or entirely new populations may develop in the management areas during the monitoring period.

Follow-up management should be performed via hand-pulling/removal or mechanical grubbing. The method used by the invasive plant managers will be specific to the target plant, size of population needing treatment, and the location of the target plant. Target plants will only be managed up to the work limits (edge of ROW) and no further. The plants to be managed during follow-up applications include all invasive species located in the project management areas and thus are not limited to species previously observed.

Hand removal can be performed for smaller populations and for target woody species. Herbaceous species likely will not be the best candidates for this method of management and will require herbicide applications.

4 SITE RESTORATION

It is imperative that locations where any invasive species management efforts are conducted that site restoration occur. The timing of the site restoration activities will be specific to the invasive plant management efforts. In most instances, areas disturbed via invasive plant management activities should be seeded immediately following invasive plant operations with native seed mixtures specifically suitable for the locations where the management has occurred. Seeding should occur in all locations where invasive species management occurs. This will aid in stabilizing any disturbed soils and will offer native plant competition in an effort of reducing colonization of invasive plants within the disturbed areas.

Restoration plantings will be considered for all areas where invasive plant populations have been managed. However, care should be taken to not prematurely install vegetation prior to being confident that invasive plant populations have been successfully managed. Plant material proposed for restoration should be approved by the Conservation Commission's Agent prior to installation. Material should be native to the county, found along the ROW, and appropriate for the habitat being restored.

5 INVASIVE SPECIES MONITORING

Initial invasive plant species monitoring along the ROW is proposed to occur during the first growing season following the initial management efforts, and each year for 4 years thereafter (total of 5 years of annual monitoring). Conclusions will be drawn as to the overall success of the invasive management program, and comparison will be made between the assemblage of invasive species prior to construction (2021 data) and the state of invasive prevalence each year within the monitoring period.

Monitoring will involve the same methods employed during the pre-construction survey. Each mapped management location within the ROW will be assessed annually. Invasive plant specialist will delineate the edge of each managed invasive population with a submeter-accurate mobile GPS unit. The monitor will assign a percent cover value for each species throughout the GPS-recorded polygon. Percent cover in a polygon is estimated by observing the total area covered by the leaf structure of all individual plants of a certain species as it relates to the total area of the treatment area (polygon). It is possible for all percent cover values assigned within a management area to sum larger than 100%, as it is possible for the leaves of multiple plants to overlap vertically. Photograph documentation will also be collected for each monitored management location.

All field data recorded will be compiled into a spreadsheet with the following information for each location: feature ID, date of survey, map sheets where location can be found, invasive plant species present, respective percent cover information, total percent cover of all invasive plants within the polygon, and any pertinent notes regarding invasive plants, access, or treatment recommendations. All GPS-located invasive polygons will be projected on a GIS mapping program (ArcMap). Map sheets will be compared to previous years' polygon data when possible. A new annotated set of Map sheets will be provided with every monitoring report for the remainder of the monitoring period.

A report will be submitted annually (by December 1) documenting the findings of the invasive species monitoring activities. Comparisons will be made across management years and in relation to the pre-construction monitoring findings. The report will include methods of management completed in the monitoring year and proposed management efforts for the following year. Restoration efforts will also be assessed for each managed location. Plant installation and seed mix installation will be considered for each location, depending on site conditions at the time of the monitoring visit. The report will identify whether the mitigation currently meets the success standard set in the OOC (Part II, Phase I, 8.y). This

condition identifies that the mitigation areas will be deemed substantially in compliance when there is a minimum of 90% cover with native species and free of invasive species.

6 SUMMARY

As stated, invasive species management will not be performed prior to the approval of this plan and prior to the start of construction activities on site. It is anticipated that the initial invasive species control effort will be conducted in 2022 or 2023 depending on the construction schedule. Follow-up invasive species management activities will occur annually in the summer months for five years following the initial management efforts. Site monitoring visits will be conducted annually in the summer/early fall of each of the five years. These inspections will include documentation of the proposed management locations specifically identified in this management plan.

FIGURES

Figure 1. 2021 All Survey Results - Sudbury Mapbook
Figure 2. 2021 Invasive Species Treatment Plan Mapbook

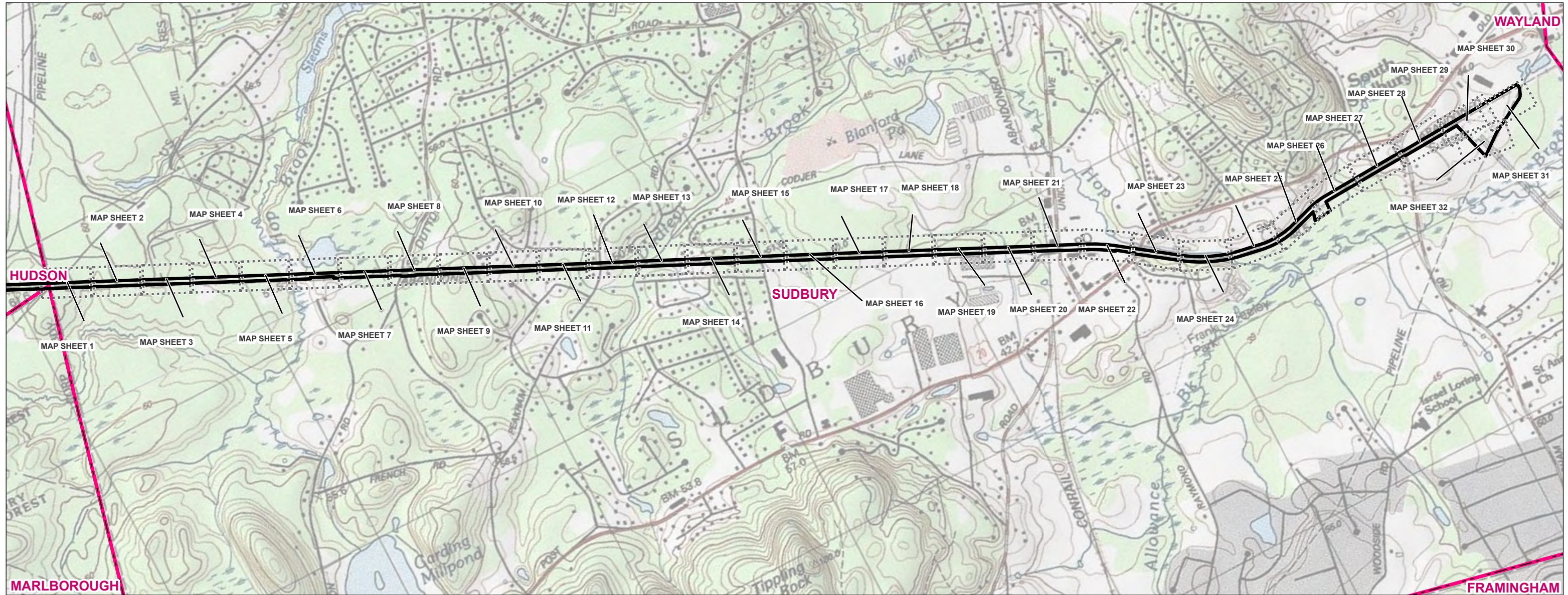
Figures 1 and 2 are available electronically at: [xxxxxx](#)

APPENDIX A

Invasive Species Management Plan – All Data

2021 - Sudbury Hudson Reliability Project

SUDBURY, MA
 Invasive Species Survey Results
Final Map Set
 Date: January 24, 2022



Legend

--- Map Sheet Matchline



0 0.25 0.5 Miles

INDEX OF FIGURES
 Title Sheet / Index Map
 Map Sheets 1-32

NO.	DATE	REVISIONS

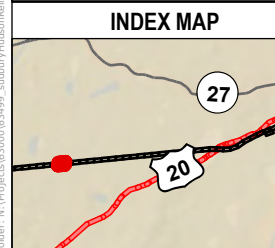
PREPARED FOR:
EVERSOURCE
 ENERGY
 107 Selden Street
 Berlin, CT 06037

PREPARED BY:
SWCA
 ENVIRONMENTAL CONSULTANTS
 15 Research Drive
 Amherst, MA 01002

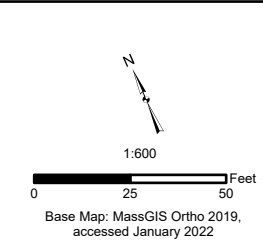


Folder: \\projects\031020\031020_sudbury\sub-area\frang\frang_invasive\frang_invasive_031020_1000\Project\Reports

MAP SHEET 2



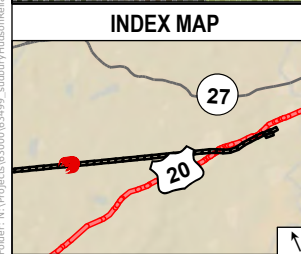
Legend			
Limit Of Work (LOW)	ROPS - Black Locust	ROMU - Multiflora Rose	EUAL13 - Winged Euonymus
Map Sheet	FRANG - Buckthorn	ACPL - Norway Maple	Vernal Pool
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle	PHAU7 - Phragmites	Open Water
Municipal Boundary	ALPE4 - Garlic Mustard	LYSA2 - Purple Loosestrife	Field Delineated Wetland
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry	PHAR3 - Reed Canary Grass	
ELUM - Autumn Olive	POCU6 - Japanese Knotweed	AIAL - Tree of Heaven	



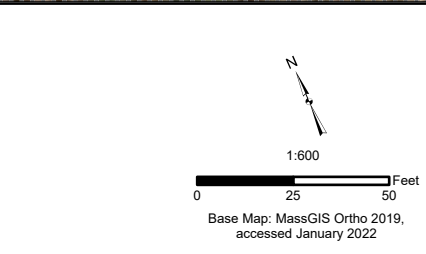
NO.	DATE	REVISIONS

Sudbury Hudson Reliability Project
 Invasive Species Survey Results

SUDBURY, MA	MAP SHEET 1 OF 32
Date: January, 2022	



- | Legend | |
|-----------------------------|----------------------------|
| Limit Of Work (LOW) | ROPS - Black Locust |
| Map Sheet | FRANG - Buckthorn |
| Existing Right-of-Way (ROW) | DIERV - Bush Honeysuckle |
| Municipal Boundary | ALPE4 - Garlic Mustard |
| CEOR7 - Asiatic Bittersweet | BETH - Japanese Barberry |
| ELUM - Autumn Olive | POCU6 - Japanese Knotweed |
| ROMU - Multiflora Rose | ACPL - Norway Maple |
| PHAU7 - Phragmites | LYSA2 - Purple Loosestrife |
| PHAR3 - Reed Canary Grass | AIAL - Tree of Heaven |
| EUAL13 - Winged Euonymus | Vernal Pool |
| Open Water | Field Delineated Wetland |



NO.	DATE	REVISIONS

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

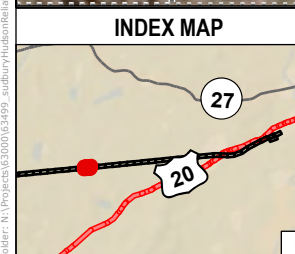
SUDBURY, MA	MAP SHEET 2 OF 32
Date: January, 2022	



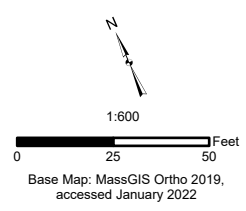
MAP SHEET 3

MAP SHEET 5

SUDBURY



Legend	
Limit Of Work (LOW)	ROPS - Black Locust
Map Sheet	FRANG - Buckthorn
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle
Municipal Boundary	ALPE4 - Garlic Mustard
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry
ELUM - Autumn Olive	POCU6 - Japanese Knotweed
ROMU - Multiflora Rose	ACPL - Norway Maple
PHAU7 - Phragmites	LYSA2 - Purple Loosestrife
PHAR3 - Reed Canary Grass	AIAL - Tree of Heaven
EUAL13 - Winged Euonymus	Vernal Pool
Open Water	Field Delineated Wetland



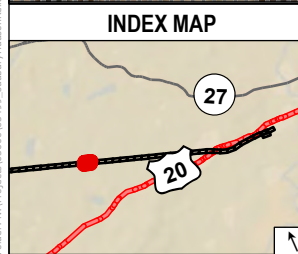
NO.	DATE	REVISIONS

EVERSOURCE
ENERGY

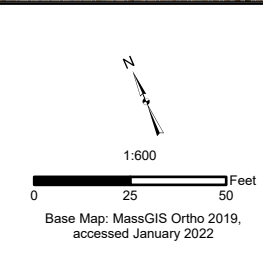
**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

SUDBURY, MA	MAP SHEET 4 OF 32
Date: January, 2022	

Folder: \\proj\proj\GIS\020\0209\020909_sudbury_hudson_reliability\InvasiveSpeciesSurveyResults\MapSheets\MapSheet4.mxd



Legend			
Limit Of Work (LOW)	ROPS - Black Locust	ROMU - Multiflora Rose	EUAL13 - Winged Euonymus
Map Sheet	FRANG - Buckthorn	ACPL - Norway Maple	Vernal Pool
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle	PHAU7 - Phragmites	Open Water
Municipal Boundary	ALPE4 - Garlic Mustard	LYSA2 - Purple Loosestrife	Field Delineated Wetland
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry	PHAR3 - Reed Canary Grass	
ELUM - Autumn Olive	POCU6 - Japanese Knotweed	AIAL - Tree of Heaven	



NO.	DATE	REVISIONS

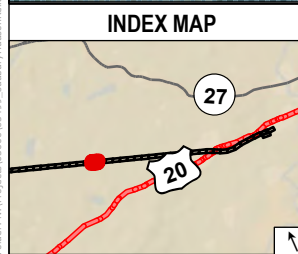
EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

SUDBURY, MA	MAP SHEET 5 OF 32
Date: January, 2022	

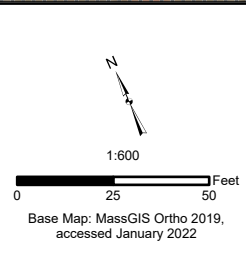
SWCA
ENVIRONMENTAL CONSULTANTS

Folder: \\projects\GIS\2022\01\02\03\04\05\06\07\08\09\10\11\12\13\14\15\16\17\18\19\20\21\22\23\24\25\26\27\28\29\30\31\32\33\34\35\36\37\38\39\40\41\42\43\44\45\46\47\48\49\50\51\52\53\54\55\56\57\58\59\60\61\62\63\64\65\66\67\68\69\70\71\72\73\74\75\76\77\78\79\80\81\82\83\84\85\86\87\88\89\90\91\92\93\94\95\96\97\98\99\100\101\102\103\104\105\106\107\108\109\110\111\112\113\114\115\116\117\118\119\120\121\122\123\124\125\126\127\128\129\130\131\132\133\134\135\136\137\138\139\140\141\142\143\144\145\146\147\148\149\150\151\152\153\154\155\156\157\158\159\160\161\162\163\164\165\166\167\168\169\170\171\172\173\174\175\176\177\178\179\180\181\182\183\184\185\186\187\188\189\190\191\192\193\194\195\196\197\198\199\200\201\202\203\204\205\206\207\208\209\210\211\212\213\214\215\216\217\218\219\220\221\222\223\224\225\226\227\228\229\230\231\232\233\234\235\236\237\238\239\240\241\242\243\244\245\246\247\248\249\250\251\252\253\254\255\256\257\258\259\260\261\262\263\264\265\266\267\268\269\270\271\272\273\274\275\276\277\278\279\280\281\282\283\284\285\286\287\288\289\290\291\292\293\294\295\296\297\298\299\300\301\302\303\304\305\306\307\308\309\310\311\312\313\314\315\316\317\318\319\320\321\322\323\324\325\326\327\328\329\330\331\332\333\334\335\336\337\338\339\340\341\342\343\344\345\346\347\348\349\350\351\352\353\354\355\356\357\358\359\360\361\362\363\364\365\366\367\368\369\370\371\372\373\374\375\376\377\378\379\380\381\382\383\384\385\386\387\388\389\390\391\392\393\394\395\396\397\398\399\400\401\402\403\404\405\406\407\408\409\410\411\412\413\414\415\416\417\418\419\420\421\422\423\424\425\426\427\428\429\430\431\432\433\434\435\436\437\438\439\440\441\442\443\444\445\446\447\448\449\450\451\452\453\454\455\456\457\458\459\460\461\462\463\464\465\466\467\468\469\470\471\472\473\474\475\476\477\478\479\480\481\482\483\484\485\486\487\488\489\490\491\492\493\494\495\496\497\498\499\500\501\502\503\504\505\506\507\508\509\510\511\512\513\514\515\516\517\518\519\520\521\522\523\524\525\526\527\528\529\530\531\532\533\534\535\536\537\538\539\540\541\542\543\544\545\546\547\548\549\550\551\552\553\554\555\556\557\558\559\560\561\562\563\564\565\566\567\568\569\570\571\572\573\574\575\576\577\578\579\580\581\582\583\584\585\586\587\588\589\590\591\592\593\594\595\596\597\598\599\600\601\602\603\604\605\606\607\608\609\610\611\612\613\614\615\616\617\618\619\620\621\622\623\624\625\626\627\628\629\630\631\632\633\634\635\636\637\638\639\640\641\642\643\644\645\646\647\648\649\650\651\652\653\654\655\656\657\658\659\660\661\662\663\664\665\666\667\668\669\670\671\672\673\674\675\676\677\678\679\680\681\682\683\684\685\686\687\688\689\690\691\692\693\694\695\696\697\698\699\700\701\702\703\704\705\706\707\708\709\710\711\712\713\714\715\716\717\718\719\720\721\722\723\724\725\726\727\728\729\730\731\732\733\734\735\736\737\738\739\740\741\742\743\744\745\746\747\748\749\750\751\752\753\754\755\756\757\758\759\760\761\762\763\764\765\766\767\768\769\770\771\772\773\774\775\776\777\778\779\780\781\782\783\784\785\786\787\788\789\790\791\792\793\794\795\796\797\798\799\800\801\802\803\804\805\806\807\808\809\810\811\812\813\814\815\816\817\818\819\820\821\822\823\824\825\826\827\828\829\830\831\832\833\834\835\836\837\838\839\840\841\842\843\844\845\846\847\848\849\850\851\852\853\854\855\856\857\858\859\860\861\862\863\864\865\866\867\868\869\870\871\872\873\874\875\876\877\878\879\880\881\882\883\884\885\886\887\888\889\890\891\892\893\894\895\896\897\898\899\900\901\902\903\904\905\906\907\908\909\910\911\912\913\914\915\916\917\918\919\920\921\922\923\924\925\926\927\928\929\930\931\932\933\934\935\936\937\938\939\940\941\942\943\944\945\946\947\948\949\950\951\952\953\954\955\956\957\958\959\960\961\962\963\964\965\966\967\968\969\970\971\972\973\974\975\976\977\978\979\980\981\982\983\984\985\986\987\988\989\990\991\992\993\994\995\996\997\998\999\1000



Legend

- Limit Of Work (LOW)
- Map Sheet
- Existing Right-of-Way (ROW)
- Municipal Boundary
- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard
- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife
- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Vernal Pool
- Open Water
- Field Delineated Wetland

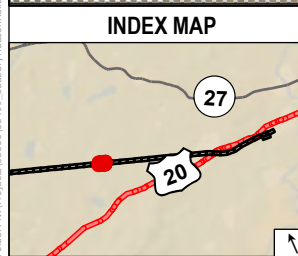
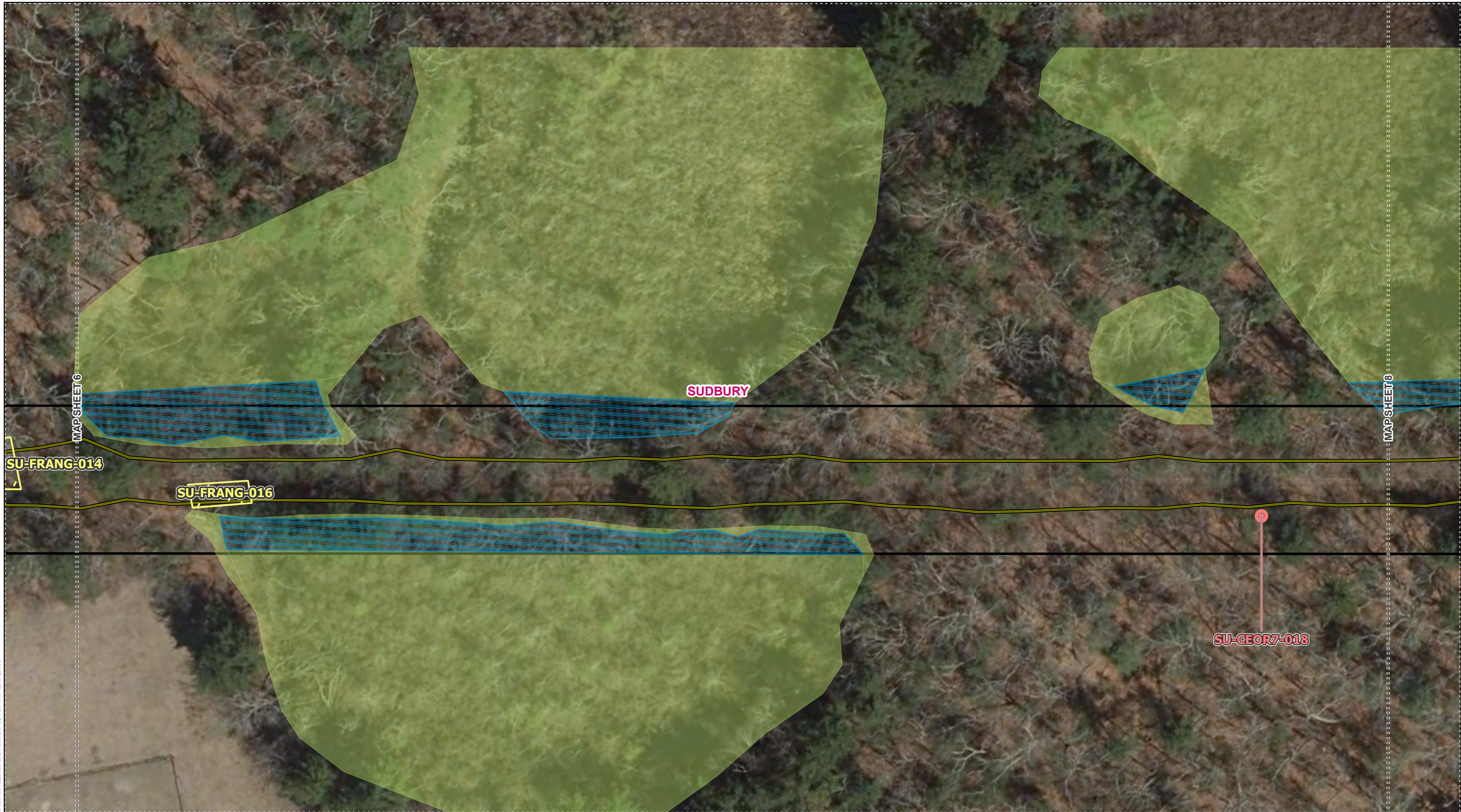


NO.	DATE	REVISIONS

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

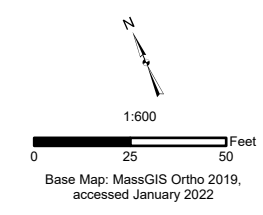
SUDBURY, MA MAP SHEET 6 OF 32

Date: January, 2022



Legend

- | | | | |
|---|---|---|---|
| <ul style="list-style-type: none"> Limit Of Work (LOW) Map Sheet Existing Right-of-Way (ROW) Municipal Boundary CEOR7 - Asiatic Bittersweet ELUM - Autumn Olive | <ul style="list-style-type: none"> ROPS - Black Locust FRANG - Buckthorn DIERV - Bush Honeysuckle ALPE4 - Garlic Mustard BETH - Japanese Barberry POCU6 - Japanese Knotweed | <ul style="list-style-type: none"> ROMU - Multiflora Rose ACPL - Norway Maple PHAU7 - Phragmites LYSA2 - Purple Loosestrife PHAR3 - Reed Canary Grass AIAL - Tree of Heaven | <ul style="list-style-type: none"> EUAL13 - Winged Euonymus Vernal Pool Open Water Field Delineated Wetland |
|---|---|---|---|



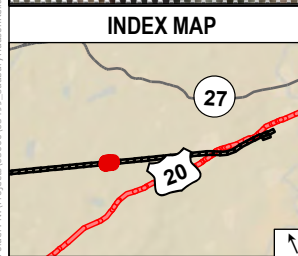
NO.	DATE	REVISIONS

EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

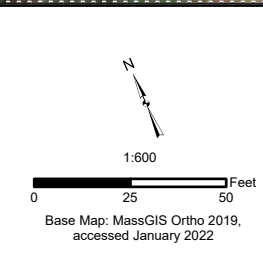
SADBURY, MA	MAP SHEET 7 OF 32
Date: January, 2022	

Folder: \\proj\GIS\2020\03\29499_sudbury\hudson\rel\hudson\mapsheet7\0329499_01\Project\Figure1



Legend

- | | | | |
|-----------------------------|---------------------------|----------------------------|--------------------------|
| Limit Of Work (LOW) | ROPS - Black Locust | ROMU - Multiflora Rose | EUAL13 - Winged Euonymus |
| Map Sheet | FRANG - Buckthorn | ACPL - Norway Maple | Vernal Pool |
| Existing Right-of-Way (ROW) | DIERV - Bush Honeysuckle | PHAU7 - Phragmites | Open Water |
| Municipal Boundary | ALPE4 - Garlic Mustard | LYSA2 - Purple Loosestrife | Field Delineated Wetland |
| CEOR7 - Asiatic Bittersweet | BETH - Japanese Barberry | PHAR3 - Reed Canary Grass | |
| ELUM - Autumn Olive | POCU6 - Japanese Knotweed | AIAL - Tree of Heaven | |



NO.	DATE	REVISIONS

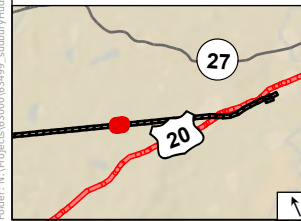
Sudbury Hudson Reliability Project
Invasive Species Survey Results
 SUDBURY, MA MAP SHEET 8 OF 32
 Date: January, 2022

Folder: \\proj\shared\GIS\020\03\499_sudbury_hudson_reliability\invasive_species_survey\8_of_32.mxd



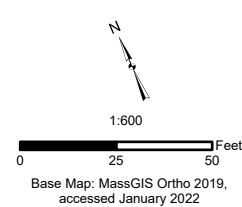
Folder: \\Proton\GIS\2022\01\2022_SudburyReliability\02\Invasive\Map_Sheet_9_032022.mxd

INDEX MAP



Legend

Limit Of Work (LOW)	ROPS - Black Locust	ROMU - Multiflora Rose	EUAL13 - Winged Euonymus
Map Sheet	FRANG - Buckthorn	ACPL - Norway Maple	Vernal Pool
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle	PHAU7 - Phragmites	Open Water
Municipal Boundary	ALPE4 - Garlic Mustard	LYSA2 - Purple Loosestrife	Field Delineated Wetland
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry	PHAR3 - Reed Canary Grass	
ELUM - Autumn Olive	POCU6 - Japanese Knotweed	AIAL - Tree of Heaven	



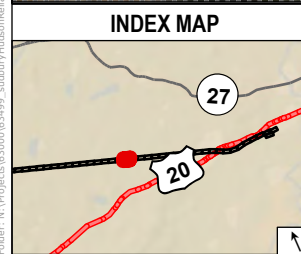
NO.	DATE	REVISIONS

EVERSOURCE ENERGY

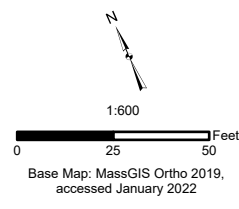
**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

SUDBURY, MA MAP SHEET 9 OF 32
Date: January, 2022





Legend			
Limit Of Work (LOW)	ROPS - Black Locust	ROMU - Multiflora Rose	EUAL13 - Winged Euonymus
Map Sheet	FRANG - Buckthorn	ACPL - Norway Maple	Vernal Pool
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle	PHAU7 - Phragmites	Open Water
Municipal Boundary	ALPE4 - Garlic Mustard	LYSA2 - Purple Loosestrife	Field Delineated Wetland
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry	PHAR3 - Reed Canary Grass	
ELUM - Autumn Olive	POCU6 - Japanese Knotweed	AIAL - Tree of Heaven	



NO.	DATE	REVISIONS

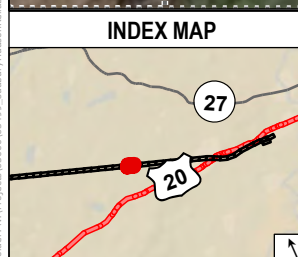
EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

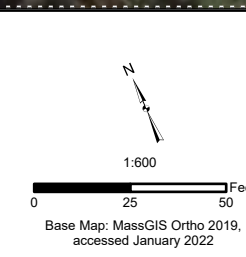
SUDBURY, MA MAP SHEET 10 OF 32

Date: January, 2022

SWCA
ENVIRONMENTAL CONSULTANTS



Legend	
Limit Of Work (LOW)	ROMU - Multiflora Rose
Map Sheet	FRANG - Buckthorn
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle
Municipal Boundary	ALPE4 - Garlic Mustard
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry
ELUM - Autumn Olive	POCU6 - Japanese Knotweed
ROMU - Multiflora Rose	PHAU7 - Phragmites
ACPL - Norway Maple	LYSA2 - Purple Loosestrife
EUAL13 - Winged Euonymus	PHAR3 - Reed Canary Grass
Vernal Pool	AIAL - Tree of Heaven
Open Water	
Field Delineated Wetland	



NO.	DATE	REVISIONS

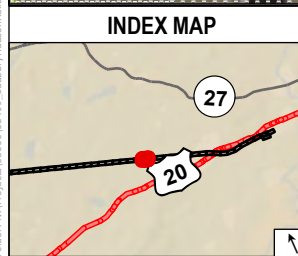
EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

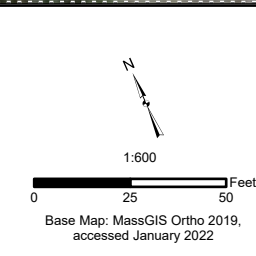
SUDBURY, MA MAP SHEET 11 OF 32

Date: January, 2022

SWCA
ENVIRONMENTAL CONSULTANTS



Legend	
Limit Of Work (LOW)	ROPS - Black Locust
Map Sheet	FRANG - Buckthorn
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle
Municipal Boundary	ALPE4 - Garlic Mustard
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry
ELUM - Autumn Olive	POCU6 - Japanese Knotweed
ROMU - Multiflora Rose	ACPL - Norway Maple
PHAU7 - Phragmites	LYSA2 - Purple Loosestrife
PHAR3 - Reed Canary Grass	AIAL - Tree of Heaven
EUAL13 - Winged Euonymus	Vernal Pool
Open Water	Field Delineated Wetland



NO.	DATE	REVISIONS

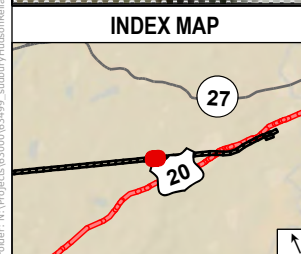
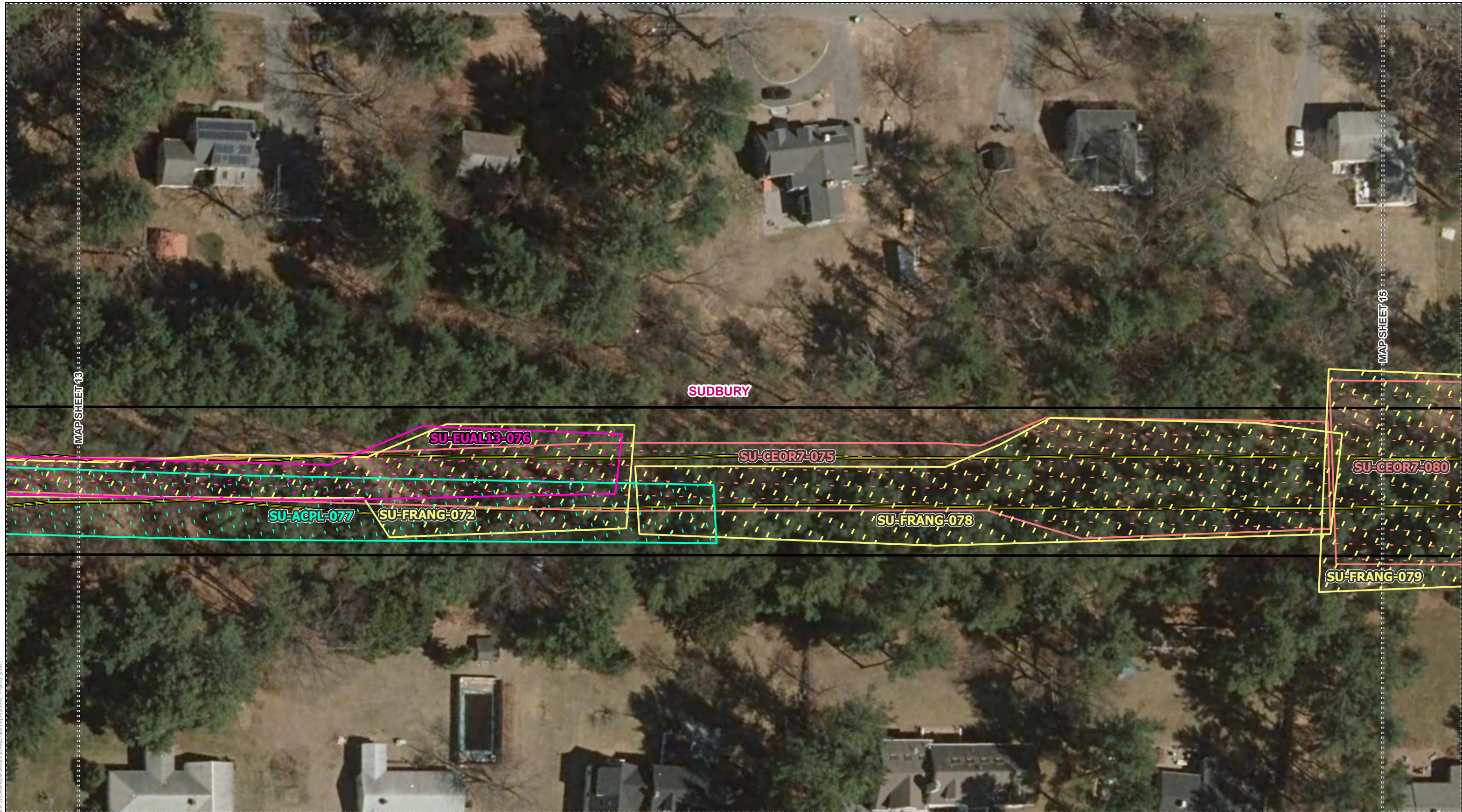
EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

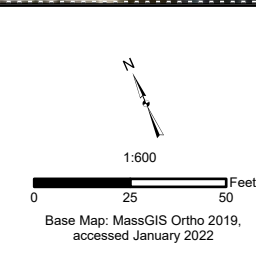
SUDBURY, MA MAP SHEET 13 OF 32

Date: January, 2022

SWCA
ENVIRONMENTAL CONSULTANTS



Legend			
Limit Of Work (LOW)	ROPS - Black Locust	ROMU - Multiflora Rose	EUAL13 - Winged Euonymus
Map Sheet	FRANG - Buckthorn	ACPL - Norway Maple	Vernal Pool
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle	PHAU7 - Phragmites	Open Water
Municipal Boundary	ALPE4 - Garlic Mustard	LYSA2 - Purple Loosestrife	Field Delineated Wetland
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry	PHAR3 - Reed Canary Grass	
ELUM - Autumn Olive	POCU6 - Japanese Knotweed	AIAL - Tree of Heaven	



NO.	DATE	REVISIONS

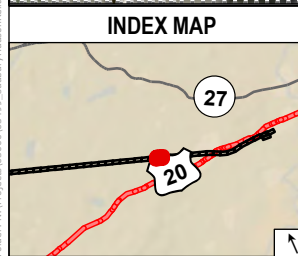
EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

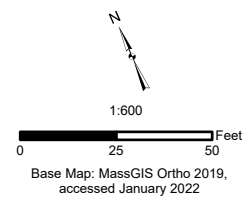
SUDBURY, MA MAP SHEET 14 OF 32

Date: January, 2022

SWCA
ENVIRONMENTAL CONSULTANTS



Legend	
Limit Of Work (LOW)	ROPS - Black Locust
Map Sheet	FRANG - Buckthorn
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle
Municipal Boundary	ALPE4 - Garlic Mustard
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry
ELUM - Autumn Olive	POCU6 - Japanese Knotweed
ROMU - Multiflora Rose	PHAU7 - Phragmites
ACPL - Norway Maple	LYSA2 - Purple Loosestrife
EUAL13 - Winged Euonymus	PHAR3 - Reed Canary Grass
Vernal Pool	AIAL - Tree of Heaven
Open Water	
Field Delineated Wetland	



NO.	DATE	REVISIONS

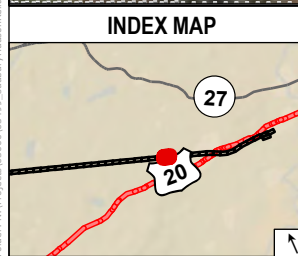
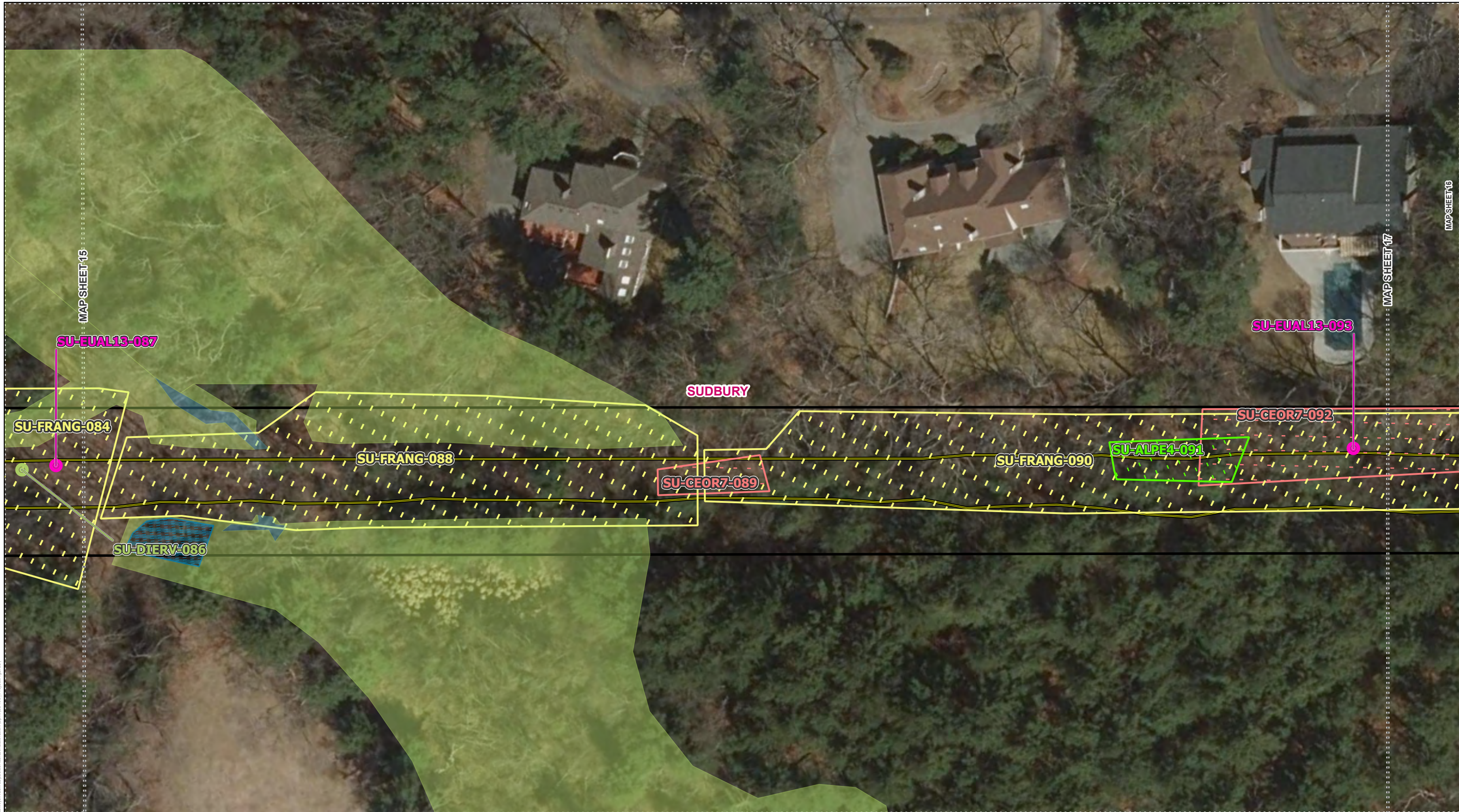
EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

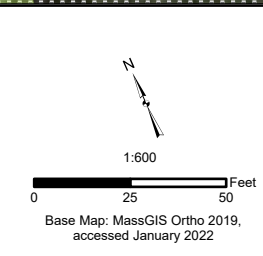
SUDBURY, MA MAP SHEET 15 OF 32

Date: January, 2022

SWCA
ENVIRONMENTAL CONSULTANTS



Legend	
Limit Of Work (LOW)	ROPS - Black Locust
Map Sheet	FRANG - Buckthorn
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle
Municipal Boundary	ALPE4 - Garlic Mustard
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry
ELUM - Autumn Olive	POCU6 - Japanese Knotweed
ROMU - Multiflora Rose	PHAU7 - Phragmites
ACPL - Norway Maple	LYSA2 - Purple Loosestrife
EUAL13 - Winged Euonymus	PHAR3 - Reed Canary Grass
Vernal Pool	AIAL - Tree of Heaven
Open Water	
Field Delineated Wetland	



NO.	DATE	REVISIONS

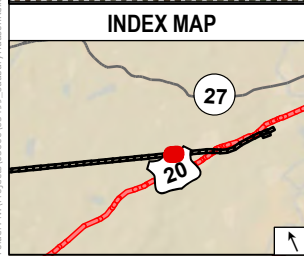
EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

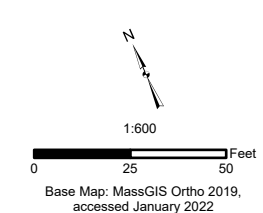
SUDBURY, MA MAP SHEET 16 OF 32

Date: January, 2022

SWCA
ENVIRONMENTAL CONSULTANTS



Legend	
Limit Of Work (LOW)	ROPS - Black Locust
Map Sheet	FRANG - Buckthorn
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle
Municipal Boundary	ALPE4 - Garlic Mustard
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberrry
ELUM - Autumn Olive	POCU6 - Japanese Knotweed
ROMU - Multiflora Rose	PHAU7 - Phragmites
ACPL - Norway Maple	LYSA2 - Purple Loosestrife
EUAL13 - Winged Euonymus	PHAR3 - Reed Canary Grass
Vernal Pool	AIAL - Tree of Heaven
Open Water	
Field Delineated Wetland	



NO.	DATE	REVISIONS

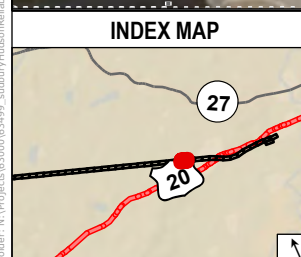
EVERSOURCE
ENERGY

Sudbury Hudson Reliability Project
Invasive Species Survey Results

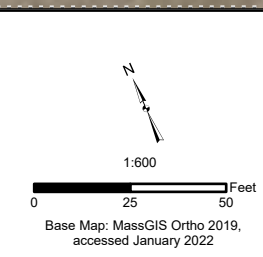
SUDBURY, MA MAP SHEET 17 OF 32

Date: January, 2022

E:\Projects\031009\031009_Sudbury\Biodiversity\Map_Sheets\Map_Sheet_17.mxd, 01/11/2022 10:51:09 AM, Project/Energy



Legend			
Limit Of Work (LOW)	ROPS - Black Locust	ROMU - Multiflora Rose	EUAL13 - Winged Euonymus
Map Sheet	FRANG - Buckthorn	ACPL - Norway Maple	Vernal Pool
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle	PHAU7 - Phragmites	Open Water
Municipal Boundary	ALPE4 - Garlic Mustard	LYSA2 - Purple Loosestrife	Field Delineated Wetland
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry	PHAR3 - Reed Canary Grass	
ELUM - Autumn Olive	POCU6 - Japanese Knotweed	AIAL - Tree of Heaven	



NO.	DATE	REVISIONS

EVERSOURCE
ENERGY

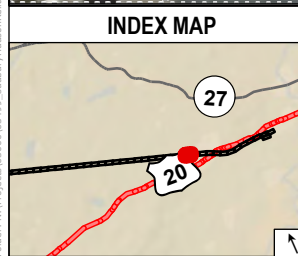
**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

SUDBURY, MA MAP SHEET 18 OF 32

Date: January, 2022

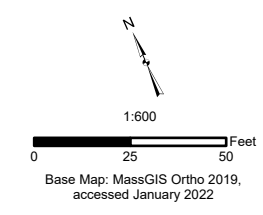
SWCA
ENVIRONMENTAL CONSULTANTS

Folder: \\proj\proj\GIS\009\02499_sudbury_hudson_reliability\workspace\workspace\map\18_1809_01.mxd



Legend

- Limit Of Work (LOW)
- Map Sheet
- Existing Right-of-Way (ROW)
- Municipal Boundary
- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard
- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife
- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Vernal Pool
- Open Water
- Field Delineated Wetland



NO.	DATE	REVISIONS

EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

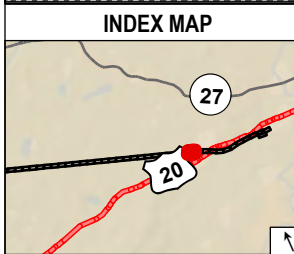
SUDBURY, MA MAP SHEET 19 OF 32

Date: January, 2022

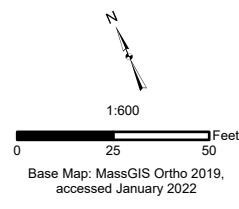
SWCA
ENVIRONMENTAL CONSULTANTS



Folder: \\P:\projects\21020\21020_Sudbury_Hudson\GIS\21020_Sudbury_Hudson\Map_Sheet_20_of_32.mxd
 1/20/2022 10:00:00 AM
 Project: 21020_Sudbury_Hudson



Legend	
Limit Of Work (LOW)	ROMU - Multiflora Rose
Map Sheet	ACPL - Norway Maple
Existing Right-of-Way (ROW)	EUAL13 - Winged Euonymus
Municipal Boundary	Vernal Pool
CEOR7 - Asiatic Bittersweet	Open Water
ELUM - Autumn Olive	Field Delineated Wetland
ROPS - Black Locust	PHAU7 - Phragmites
FRANG - Buckthorn	LYSA2 - Purple Loosestrife
DIERV - Bush Honeysuckle	PHAR3 - Reed Canary Grass
ALPE4 - Garlic Mustard	AIAL - Tree of Heaven
BETH - Japanese Barberry	
POCU6 - Japanese Knotweed	



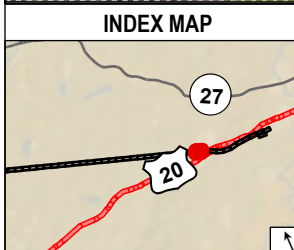
NO.	DATE	REVISIONS

Sudbury Hudson Reliability Project
Invasive Species Survey Results

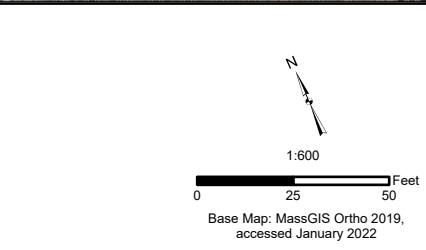
SUDBURY, MA MAP SHEET 20 OF 32
 Date: January, 2022



Folder: \\P:\Projects\GIS\00783499_Sudbury\GIS\Map_Sheets\Map_Sheet_21_of_32.mxd
 Project: E:\Projects\GIS\00783499_Sudbury\GIS\Map_Sheets\Map_Sheet_21_of_32.mxd

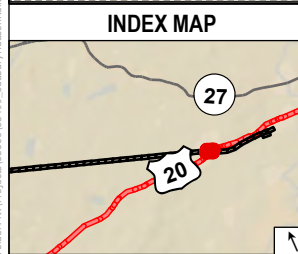


Legend			
Limit Of Work (LOW)	ROPS - Black Locust	ROMU - Multiflora Rose	EUAL13 - Winged Euonymus
Map Sheet	FRANG - Buckthorn	ACPL - Norway Maple	Vernal Pool
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle	PHAU7 - Phragmites	Open Water
Municipal Boundary	ALPE4 - Garlic Mustard	LYSA2 - Purple Loosestrife	Field Delineated Wetland
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry	PHAR3 - Reed Canary Grass	
ELUM - Autumn Olive	POCU6 - Japanese Knotweed	AIAL - Tree of Heaven	



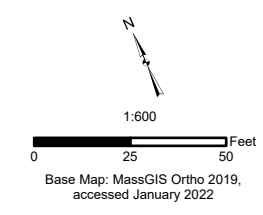
NO.	DATE	REVISIONS

EVERSOURCE ENERGY
Sudbury Hudson Reliability Project
Invasive Species Survey Results
 SUDBURY, MA MAP SHEET 21 OF 32
 Date: January, 2022



Legend

- | | | | |
|-----------------------------|---------------------------|----------------------------|--------------------------|
| Limit Of Work (LOW) | ROPS - Black Locust | ROMU - Multiflora Rose | EUAL13 - Winged Euonymus |
| Map Sheet | FRANG - Buckthorn | ACPL - Norway Maple | Vernal Pool |
| Existing Right-of-Way (ROW) | DIERV - Bush Honeysuckle | PHAU7 - Phragmites | Open Water |
| Municipal Boundary | ALPE4 - Garlic Mustard | LYSA2 - Purple Loosestrife | Field Delineated Wetland |
| CEOR7 - Asiatic Bittersweet | BETH - Japanese Barberry | PHAR3 - Reed Canary Grass | |
| ELUM - Autumn Olive | POCU6 - Japanese Knotweed | AIAL - Tree of Heaven | |

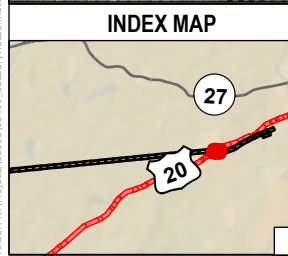


NO.	DATE	REVISIONS

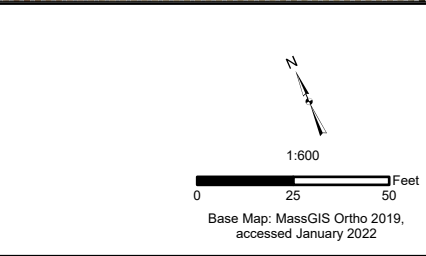
EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

SUDBURY, MA	MAP SHEET 22 OF 32
Date: January, 2022	



Legend			
Limit Of Work (LOW)	ROPS - Black Locust	ROMU - Multiflora Rose	EUAL13 - Winged Euonymus
Map Sheet	FRANG - Buckthorn	ACPL - Norway Maple	Vernal Pool
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle	PHAU7 - Phragmites	Open Water
Municipal Boundary	ALPE4 - Garlic Mustard	LYSA2 - Purple Loosestrife	Field Delineated Wetland
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry	PHAR3 - Reed Canary Grass	
ELUM - Autumn Olive	POCU6 - Japanese Knotweed	AIAL - Tree of Heaven	



NO.	DATE	REVISIONS

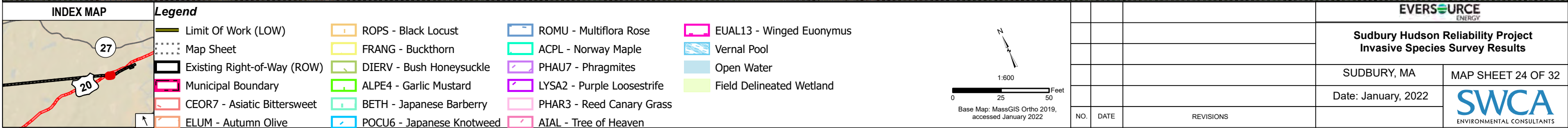
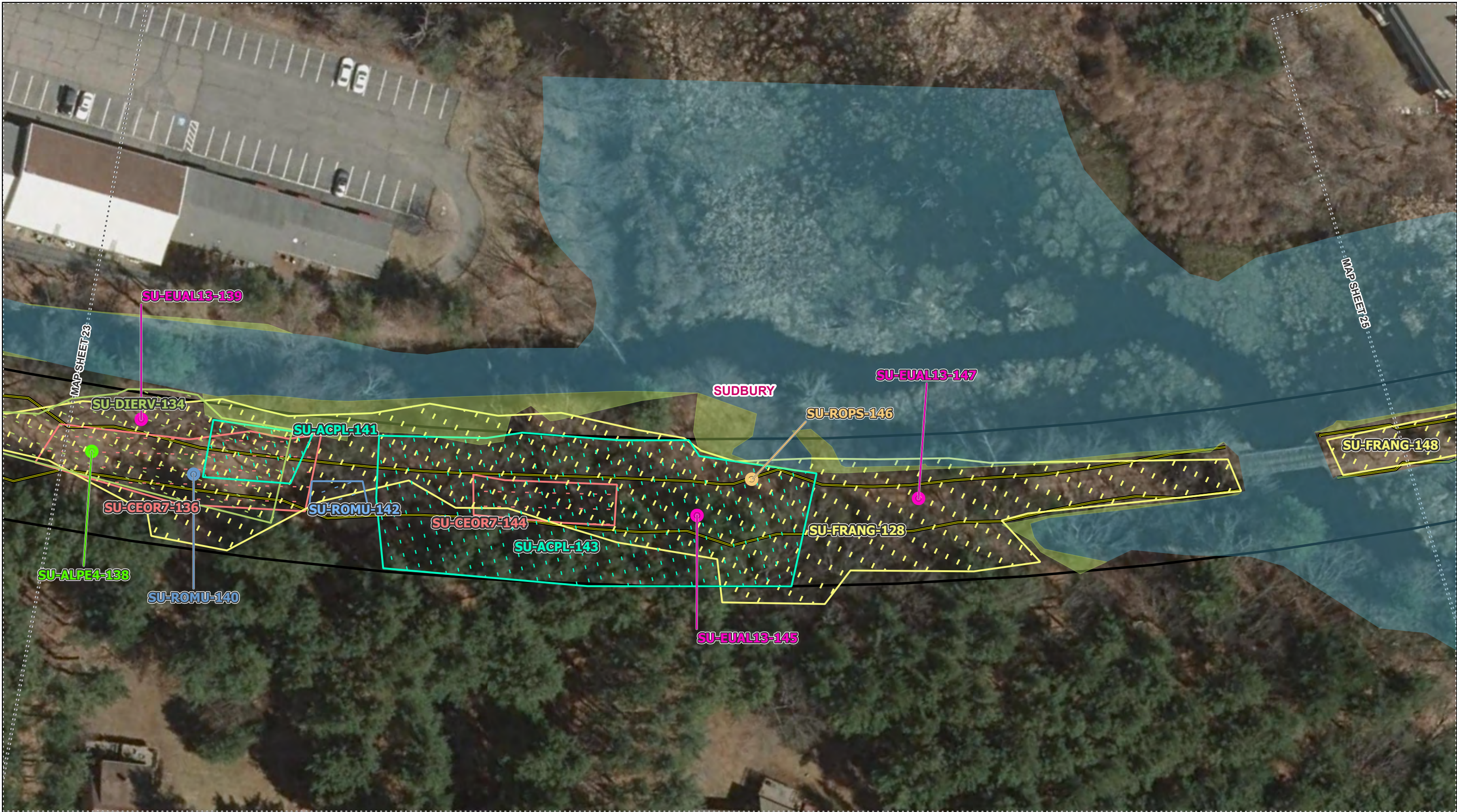
EVERSOURCE ENERGY

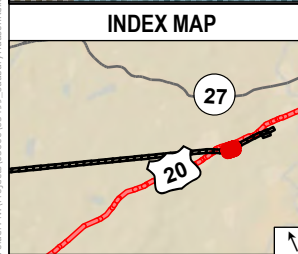
**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

SUDBURY, MA MAP SHEET 23 OF 32

Date: January, 2022

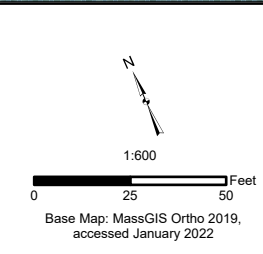
SWCA
ENVIRONMENTAL CONSULTANTS





Legend

- | | | | |
|-----------------------------|---------------------------|----------------------------|--------------------------|
| Limit Of Work (LOW) | ROPS - Black Locust | ROMU - Multiflora Rose | EUAL13 - Winged Euonymus |
| Map Sheet | FRANG - Buckthorn | ACPL - Norway Maple | Vernal Pool |
| Existing Right-of-Way (ROW) | DIERV - Bush Honeysuckle | PHAU7 - Phragmites | Open Water |
| Municipal Boundary | ALPE4 - Garlic Mustard | LYSA2 - Purple Loosestrife | Field Delineated Wetland |
| CEOR7 - Asiatic Bittersweet | BETH - Japanese Barberry | PHAR3 - Reed Canary Grass | |
| ELUM - Autumn Olive | POCU6 - Japanese Knotweed | AIAL - Tree of Heaven | |



NO.	DATE	REVISIONS

EVERSOURCE ENERGY

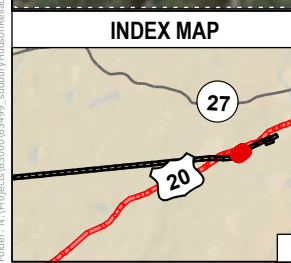
**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

SUDBURY, MA	MAP SHEET 25 OF 32
Date: January, 2022	

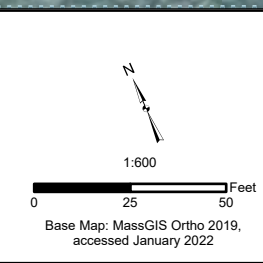
Folder: \\proj\gis\01000\02490_sudbury_hudson_reliability\InvasiveSpeciesSurveyResults\MapSheets\MS25.mxd
 Created: 1/20/22 10:05 AM



Folder: \\proj\GIS\2022\03\2022_Sudbury_Hudson_Reliability_P\Map_Sheets\Map_Sheet_26.mxd
 Project: Sudbury Hudson Reliability Project
 Date: 03/20/22



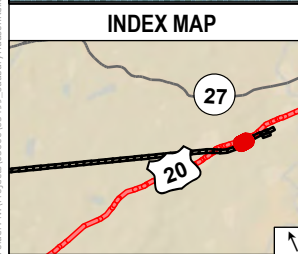
Legend	
Limit Of Work (LOW)	ROPS - Black Locust
Map Sheet	FRANG - Buckthorn
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle
Municipal Boundary	ALPE4 - Garlic Mustard
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry
ELUM - Autumn Olive	POCU6 - Japanese Knotweed
ROMU - Multiflora Rose	PHAU7 - Phragmites
ACPL - Norway Maple	LYSA2 - Purple Loosestrife
EUAL13 - Winged Euonymus	PHAR3 - Reed Canary Grass
Vernal Pool	AIAL - Tree of Heaven
Open Water	
Field Delineated Wetland	



NO.	DATE	REVISIONS

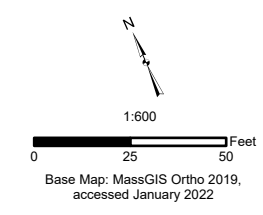
Sudbury Hudson Reliability Project
Invasive Species Survey Results

SUDBURY, MA MAP SHEET 26 OF 32
 Date: January, 2022



Legend

- | | | | |
|-----------------------------|---------------------------|----------------------------|--------------------------|
| Limit Of Work (LOW) | ROPS - Black Locust | ROMU - Multiflora Rose | EUAL13 - Winged Euonymus |
| Map Sheet | FRANG - Buckthorn | ACPL - Norway Maple | Vernal Pool |
| Existing Right-of-Way (ROW) | DIERV - Bush Honeysuckle | PHAU7 - Phragmites | Open Water |
| Municipal Boundary | ALPE4 - Garlic Mustard | LYSA2 - Purple Loosestrife | Field Delineated Wetland |
| CEOR7 - Asiatic Bittersweet | BETH - Japanese Barberry | PHAR3 - Reed Canary Grass | |
| ELUM - Autumn Olive | POCU6 - Japanese Knotweed | AIAL - Tree of Heaven | |



NO.	DATE	REVISIONS

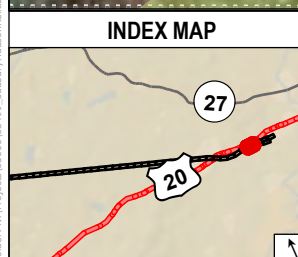
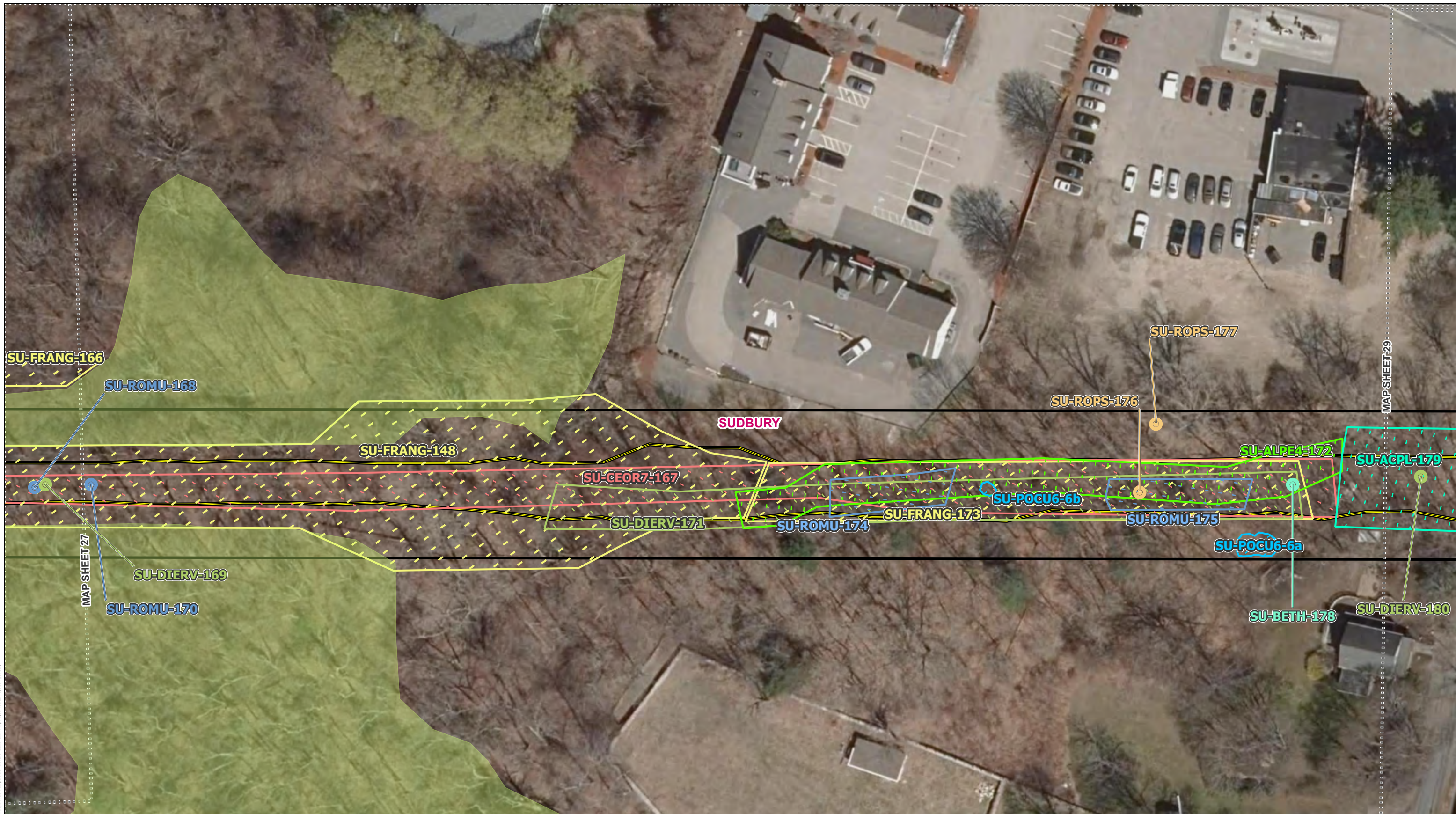
EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

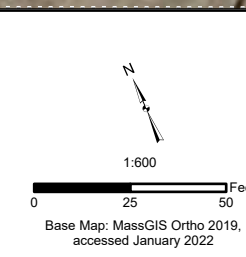
SUDBURY, MA MAP SHEET 27 OF 32

Date: January, 2022

SWCA
ENVIRONMENTAL CONSULTANTS



Legend	
Limit Of Work (LOW)	ROPS - Black Locust
Map Sheet	FRANG - Buckthorn
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle
Municipal Boundary	ALPE4 - Garlic Mustard
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry
ELUM - Autumn Olive	POCU6 - Japanese Knotweed
ROMU - Multiflora Rose	PHAU7 - Phragmites
ACPL - Norway Maple	LYSA2 - Purple Loosestrife
Vernal Pool	PHAR3 - Reed Canary Grass
Open Water	AIAL - Tree of Heaven
Field Delineated Wetland	EUAL13 - Winged Euonymus



NO.	DATE	REVISIONS

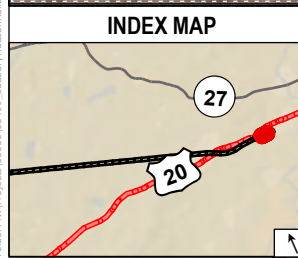
EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

SUDBURY, MA MAP SHEET 28 OF 32

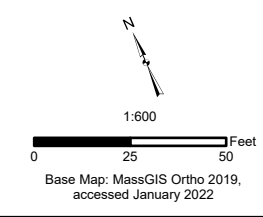
Date: January, 2022

SWCA
ENVIRONMENTAL CONSULTANTS



Legend

- Limit Of Work (LOW)
- Map Sheet
- Existing Right-of-Way (ROW)
- Municipal Boundary
- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard
- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife
- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Vernal Pool
- Open Water
- Field Delineated Wetland



NO.	DATE	REVISIONS

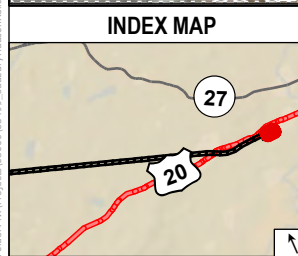
EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

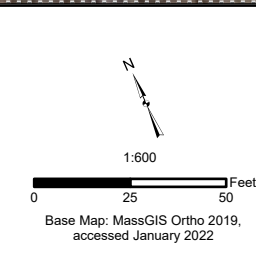
SUDBURY, MA MAP SHEET 30 OF 32

Date: January, 2022

SWCA
ENVIRONMENTAL CONSULTANTS



Legend	
Limit Of Work (LOW)	ROPS - Black Locust
Map Sheet	FRANG - Buckthorn
Existing Right-of-Way (ROW)	DIERV - Bush Honeysuckle
Municipal Boundary	ALPE4 - Garlic Mustard
CEOR7 - Asiatic Bittersweet	BETH - Japanese Barberry
ELUM - Autumn Olive	POCU6 - Japanese Knotweed
ROMU - Multiflora Rose	PHAU7 - Phragmites
ACPL - Norway Maple	LYSA2 - Purple Loosestrife
EUAL13 - Winged Euonymus	PHAR3 - Reed Canary Grass
Vernal Pool	AIAL - Tree of Heaven
Open Water	
Field Delineated Wetland	



NO.	DATE	REVISIONS

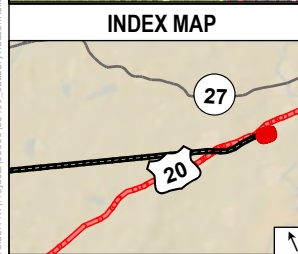
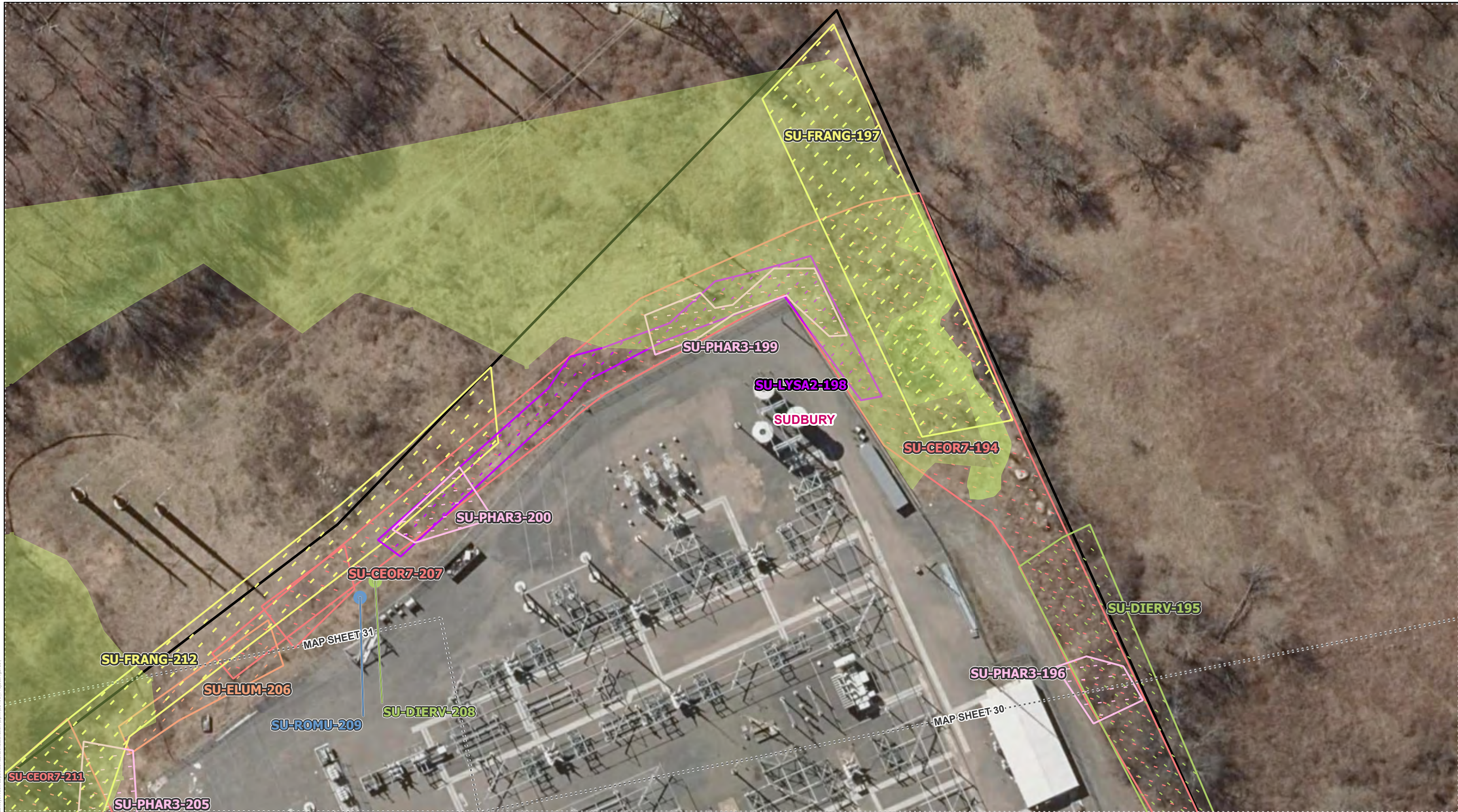
EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

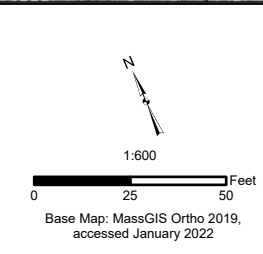
SUDBURY, MA MAP SHEET 31 OF 32

Date: January, 2022

SWCA
ENVIRONMENTAL CONSULTANTS



Legend			



NO.	DATE	REVISIONS

EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Survey Results**

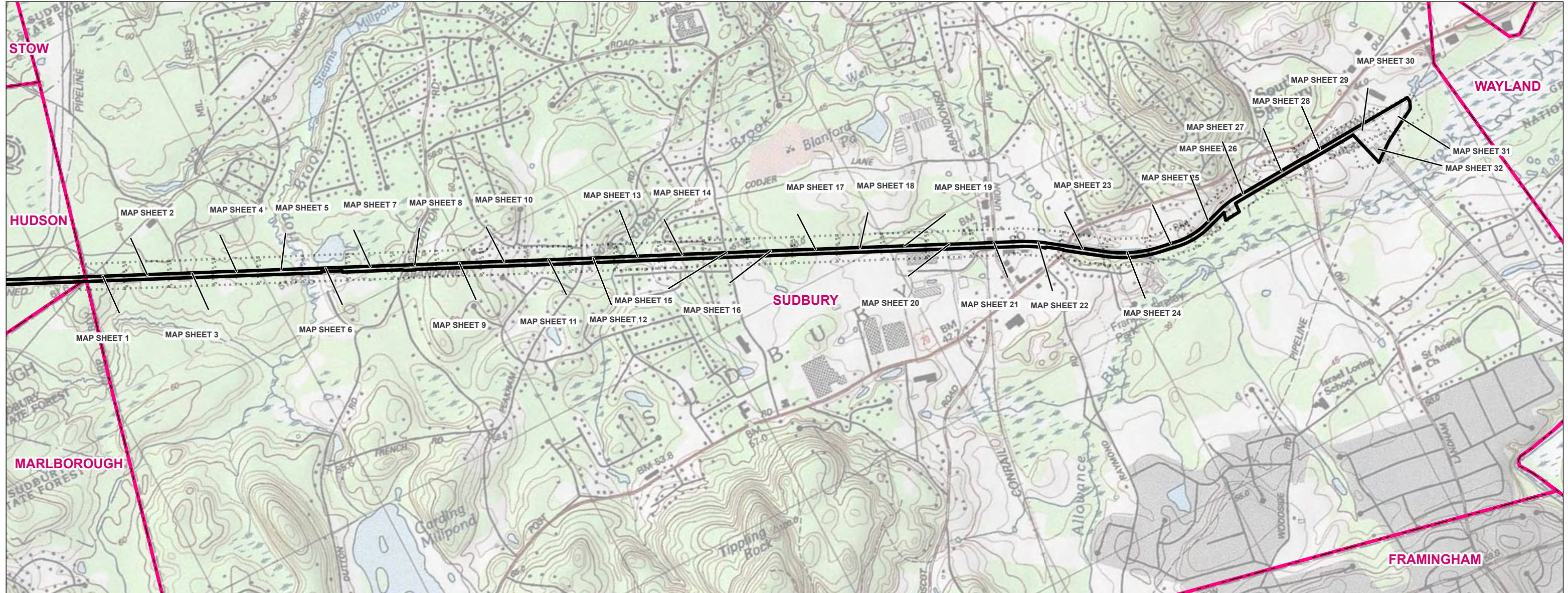
SUDBURY, MA	MAP SHEET 32 OF 32
Date: January, 2022	

SWCA
ENVIRONMENTAL CONSULTANTS

2021 - Sudbury Hudson Reliability Project

SUDBURY, MA
 Invasive Species Treatment Plan
 Final Map Set

Date: December 7, 2021



Legend

⋯ Map Sheet Matchline

▭ Existing Right-Of-Way (ROW)



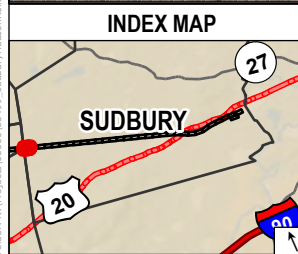
0 0.25 0.5 Miles

INDEX OF FIGURES
 Title Sheet / Index Map
 Map Sheets 1-32

NO.	DATE	REVISIONS

PREPARED FOR:
EVERSOURCE
 ENERGY
 107 Selden Street
 Berlin, CT 06037

PREPARED BY:
SWCA
 ENVIRONMENTAL CONSULTANTS
 15 Research Drive
 Amherst, MA 01002



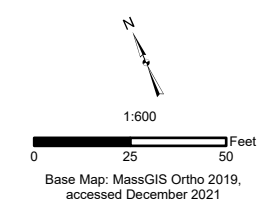
Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)

- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard

- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife

- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands



NO.	DATE	REVISIONS

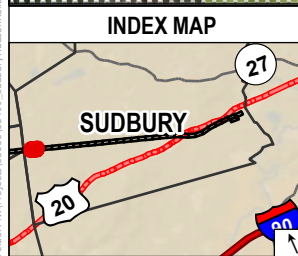
EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 1 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS



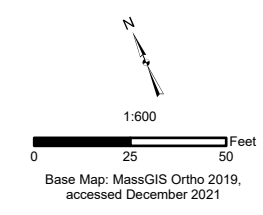
Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)

- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard

- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife

- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands



NO.	DATE	REVISIONS

EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 2 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS

C:\Users\A\Project\GIS\02012021\02012021_SudburyHudsonReliabilityProject\MapSheets\MapSheet2.mxd
 12/21/2021 10:00:00 AM



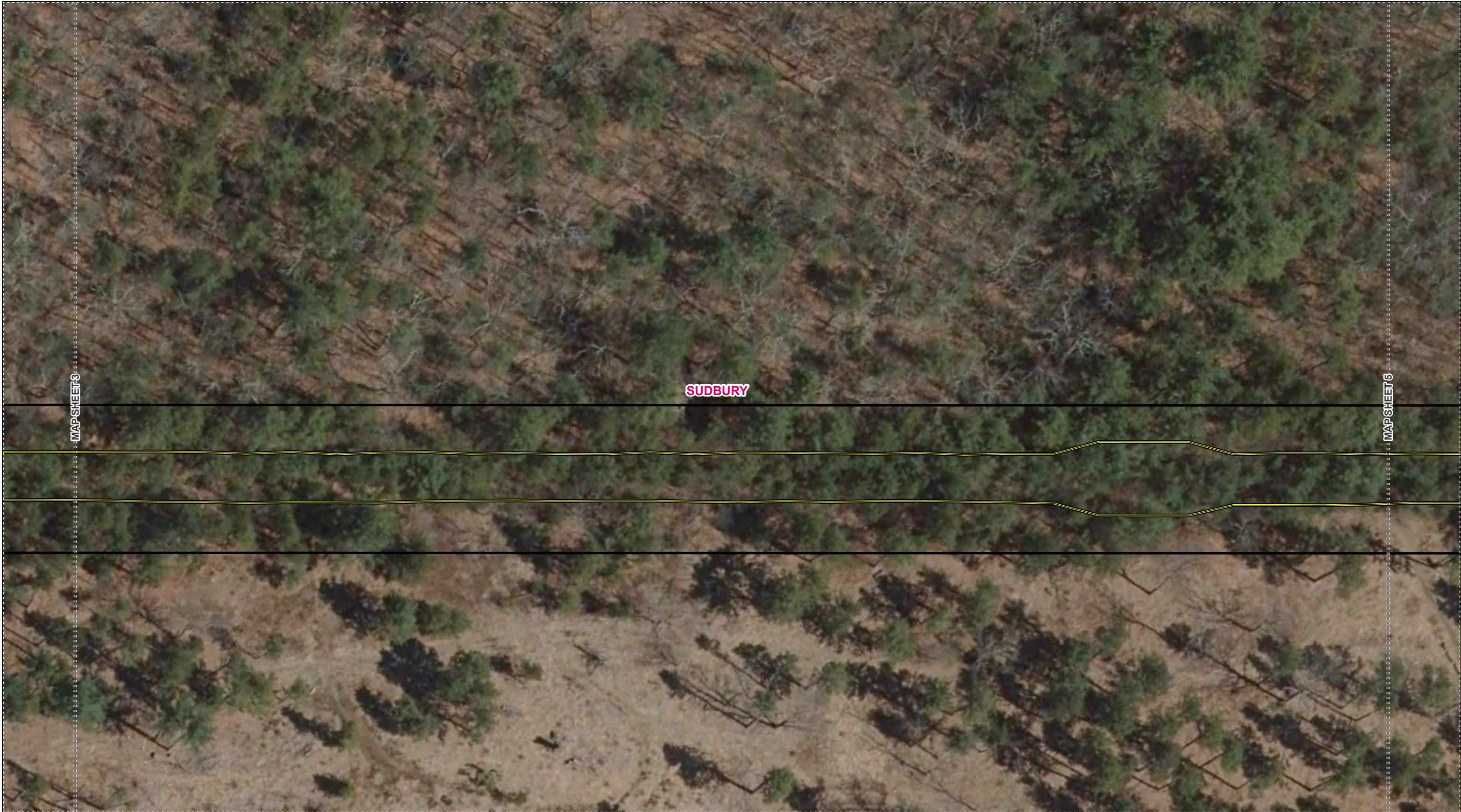
SUDBURY

MAP SHEET 2

MAP SHEET 4

C:\Users\A\Projects\GIS\02019\021909_Sudbury\Subarea\Map_Sheets\Map_Sheet_3.mxd - Printed (6/16/21)

<p>INDEX MAP</p>	<p>Legend</p> <ul style="list-style-type: none"> Road Limit Of Work (LOW) Watercourse Line (not delineated) Map Sheet Municipal Boundary Existing Right-of-Way (ROW) 	<ul style="list-style-type: none"> CEOR7 - Asiatic Bittersweet ELUM - Autumn Olive ROPS - Black Locust FRANG - Buckthorn DIERV - Bush Honeysuckle ALPE4 - Garlic Mustard 	<ul style="list-style-type: none"> BETH - Japanese Barberry POCU6 - Japanese Knotweed ROMU - Multiflora Rose ACPL - Norway Maple PHAU7 - Phragmites LYSA2 - Purple Loosestrife 	<ul style="list-style-type: none"> PHAR3 - Reed Canary Grass AIAL - Tree of Heaven EUAL13 - Winged Euonymus Delineated Wetlands 	<div style="text-align: center;"> <p>1:600</p> <p>Base Map: MassGIS Ortho 2019, accessed December 2021</p> </div>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="3" style="text-align: center;">EVERSOURCE ENERGY</td> </tr> <tr> <td colspan="3" style="text-align: center;">Sudbury Hudson Reliability Project Invasive Species Treatment Plan</td> </tr> <tr> <td style="width: 33%;"></td> <td style="width: 33%; text-align: center;">SUDBURY, MA</td> <td style="width: 33%; text-align: right;">MAP SHEET 3 OF 32</td> </tr> <tr> <td colspan="3" style="text-align: center;">Date: December, 2021</td> </tr> <tr> <td style="width: 33%;"></td> <td style="width: 33%; text-align: center;"></td> <td style="width: 33%; text-align: right;">ENVIRONMENTAL CONSULTANTS</td> </tr> </table>	EVERSOURCE ENERGY			Sudbury Hudson Reliability Project Invasive Species Treatment Plan				SUDBURY, MA	MAP SHEET 3 OF 32	Date: December, 2021					ENVIRONMENTAL CONSULTANTS
EVERSOURCE ENERGY																					
Sudbury Hudson Reliability Project Invasive Species Treatment Plan																					
	SUDBURY, MA	MAP SHEET 3 OF 32																			
Date: December, 2021																					
		ENVIRONMENTAL CONSULTANTS																			
					NO.	DATE	REVISIONS														

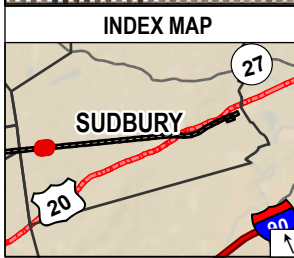


SUDBURY

MAP SHEET 3

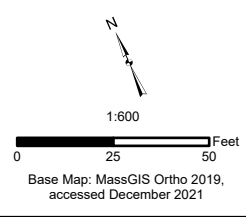
MAP SHEET 5

C:\Users\A\Projects\GIS\0208\0208_0000_SudburyHudsonReliability\MapSheets\MapSheet4.mxd



Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)
- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard
- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife
- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands



NO.	DATE	REVISIONS

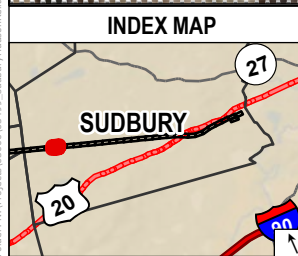
EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 4 OF 32

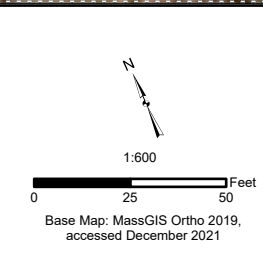
Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS



Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)
- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard
- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife
- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands
- Treatment/Mitigation Area



NO.	DATE	REVISIONS

EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

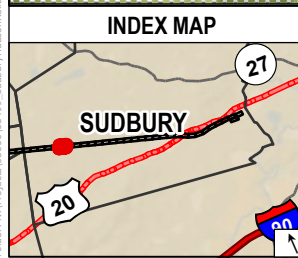
SUDBURY, MA MAP SHEET 5 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS

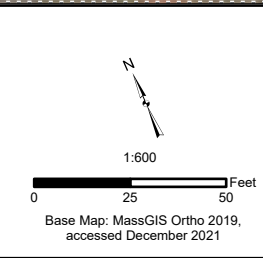


C:\Users\A\Projects\GIS\020121\020121_SudburyHudsonReliability\Map_Sheets\Map_Sheet_6_of_32.mxd



Legend

- | | | | |
|-----------------------------------|-----------------------------|----------------------------|---------------------------|
| Road | CEOR7 - Asiatic Bittersweet | BETH - Japanese Barberry | PHAR3 - Reed Canary Grass |
| Limit Of Work (LOW) | ELUM - Autumn Olive | POCU6 - Japanese Knotweed | AIAL - Tree of Heaven |
| Watercourse Line (not delineated) | ROPS - Black Locust | ROMU - Multiflora Rose | EUAL13 - Winged Euonymus |
| Map Sheet | FRANG - Buckthorn | ACPL - Norway Maple | Delineated Wetlands |
| Municipal Boundary | DIERV - Bush Honeysuckle | PHAU7 - Phragmites | Treatment/Mitigation Area |
| Existing Right-of-Way (ROW) | ALPE4 - Garlic Mustard | LYSA2 - Purple Loosestrife | |

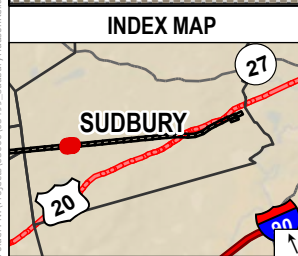


NO.	DATE	REVISIONS

EVERSOURCE ENERGY

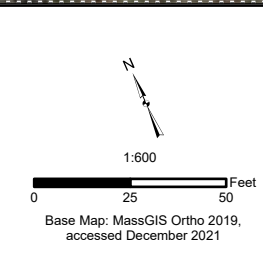
**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA	MAP SHEET 6 OF 32
Date: December, 2021	



Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)
- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard
- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife
- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands
- Treatment/Mitigation Area



NO.	DATE	REVISIONS

EVERSOURCE ENERGY

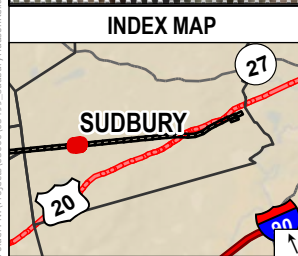
**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 7 OF 32

Date: December, 2021

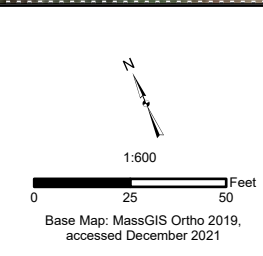
SWCA
ENVIRONMENTAL CONSULTANTS

C:\Users\A\Projects\GIS\020102\020102_SudburyHudsonReliabilityProject\MapSheets\MapSheet7.mxd



Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)
- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard
- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife
- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands



NO.	DATE	REVISIONS

EVERSOURCE ENERGY

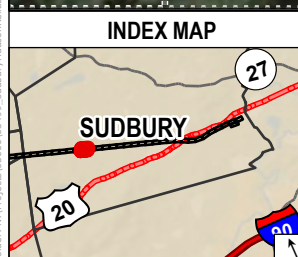
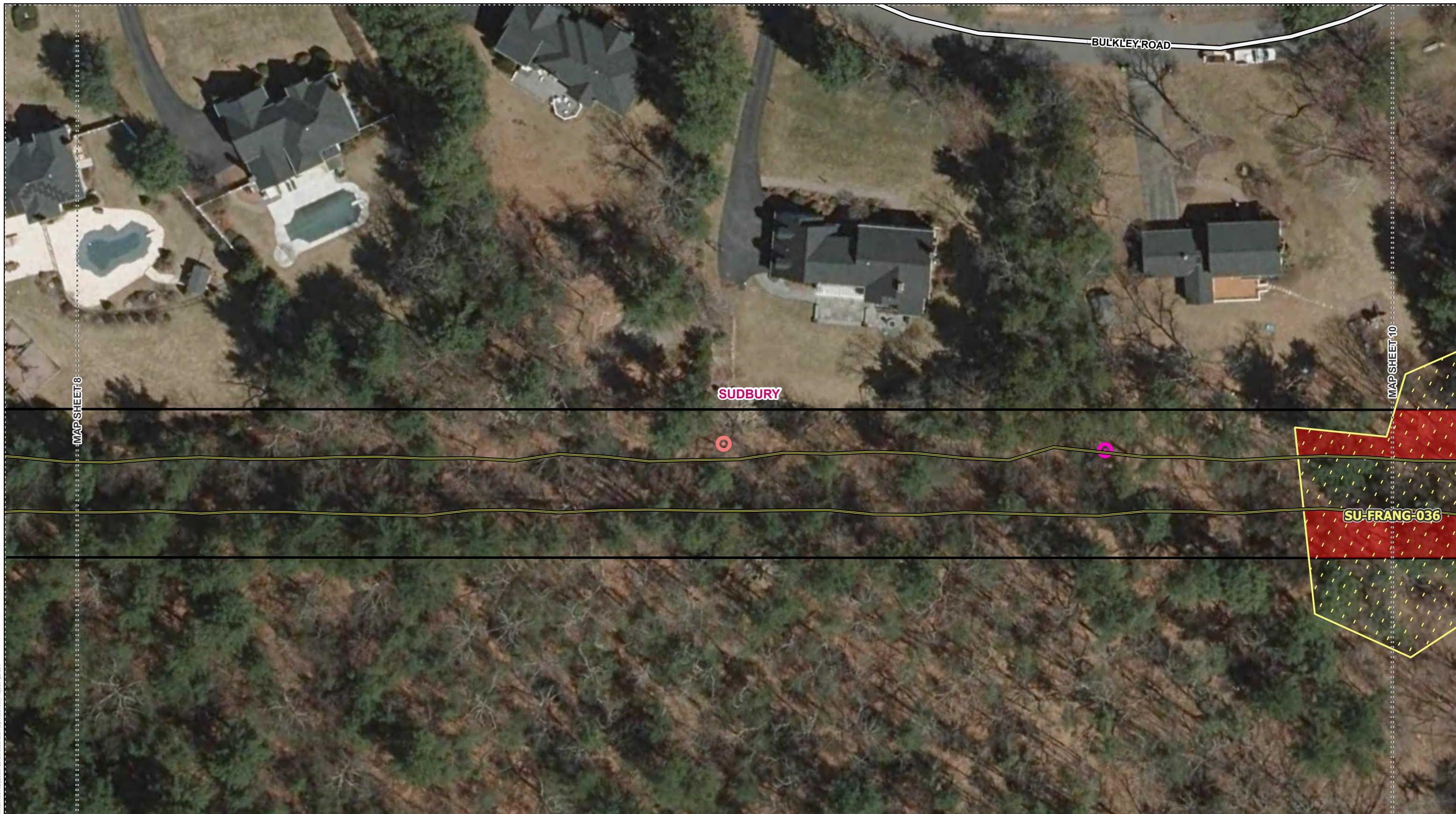
**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 8 OF 32

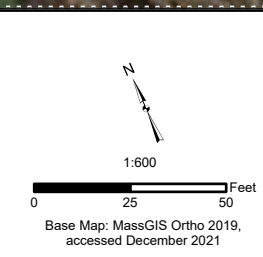
Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS

C:\Users\N\Projects\GIS\2020\02\0900_Sudbury\Subarea\Map_Sheets\Map_Sheet_8.mxd
 12/20/2021 10:00:00 AM



Legend	
Road	CEOR7 - Asiatic Bittersweet
Limit Of Work (LOW)	ELUM - Autumn Olive
Watercourse Line (not delineated)	ROPS - Black Locust
Map Sheet	FRANG - Buckthorn
Municipal Boundary	DIERV - Bush Honeysuckle
Existing Right-of-Way (ROW)	ALPE4 - Garlic Mustard
BETH - Japanese Barberry	PHAR3 - Reed Canary Grass
POCU6 - Japanese Knotweed	AIAL - Tree of Heaven
ROMU - Multiflora Rose	EUAL13 - Winged Euonymus
ACPL - Norway Maple	Delineated Wetlands
PHAU7 - Phragmites	Treatment/Mitigation Area
LYSA2 - Purple Loosestrife	



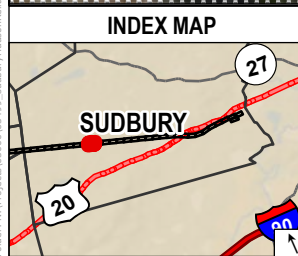
NO.	DATE	REVISIONS

EVERSOURCE ENERGY

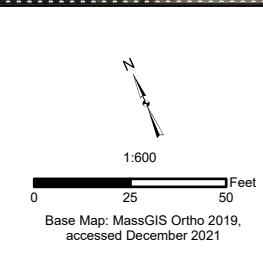
**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA	MAP SHEET 9 OF 32
Date: December, 2021	

File: \\proj\GIS\2020\03\09_SudburyHudsonReliabilityProject\GIS\2021_Ortho\MapSheet9.mxd



Legend	
Road	CEOR7 - Asiatic Bittersweet
Limit Of Work (LOW)	ELUM - Autumn Olive
Watercourse Line (not delineated)	ROPS - Black Locust
Map Sheet	FRANG - Buckthorn
Municipal Boundary	DIERV - Bush Honeysuckle
Existing Right-of-Way (ROW)	ALPE4 - Garlic Mustard
BETH - Japanese Barberry	POCU6 - Japanese Knotweed
ROMU - Multiflora Rose	PHAR3 - Reed Canary Grass
ACPL - Norway Maple	AIAL - Tree of Heaven
PHAU7 - Phragmites	EUAL13 - Winged Euonymus
LYSA2 - Purple Loosestrife	Delineated Wetlands
	Treatment/Mitigation Area



NO.	DATE	REVISIONS

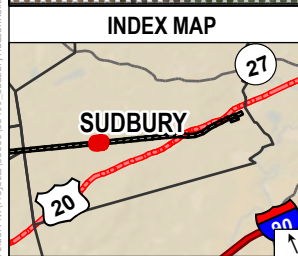
EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 10 OF 32

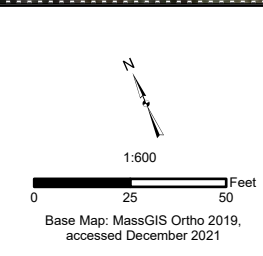
Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS



Legend

- | | | | |
|-----------------------------------|-----------------------------|----------------------------|---------------------------|
| Road | CEOR7 - Asiatic Bittersweet | BETH - Japanese Barberry | PHAR3 - Reed Canary Grass |
| Limit Of Work (LOW) | ELUM - Autumn Olive | POCU6 - Japanese Knotweed | AIAL - Tree of Heaven |
| Watercourse Line (not delineated) | ROPS - Black Locust | ROMU - Multiflora Rose | EUAL13 - Winged Euonymus |
| Map Sheet | FRANG - Buckthorn | ACPL - Norway Maple | Delineated Wetlands |
| Municipal Boundary | DIERV - Bush Honeysuckle | PHAU7 - Phragmites | Treatment/Mitigation Area |
| Existing Right-of-Way (ROW) | ALPE4 - Garlic Mustard | LYSA2 - Purple Loosestrife | |



NO.	DATE	REVISIONS

EVERSOURCE ENERGY

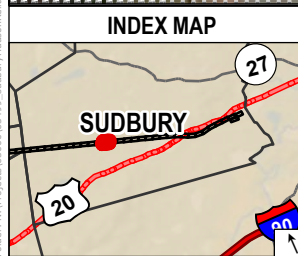
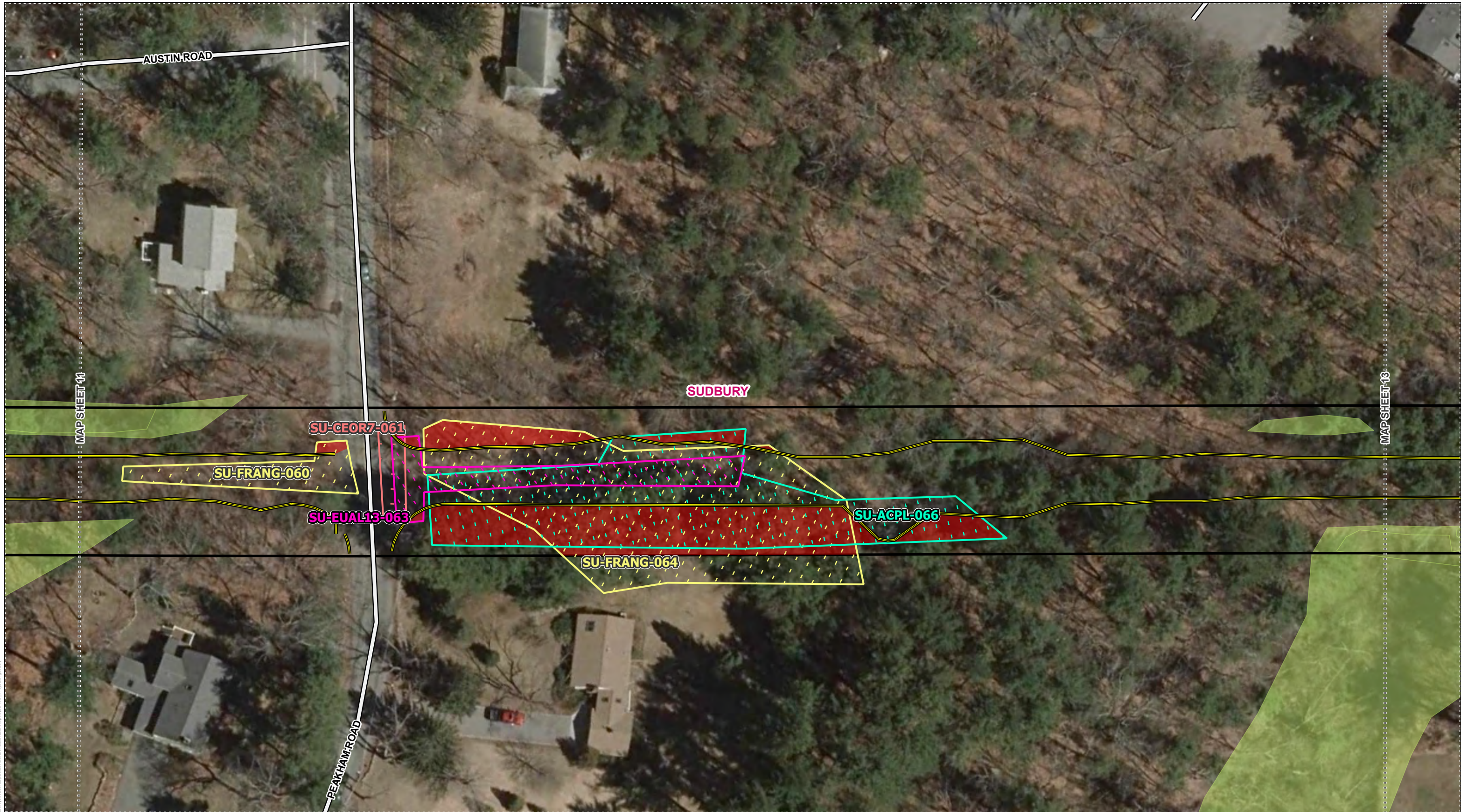
**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 11 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS

E:\Projects\GIS\020103\020103_SudburyHudsonReliabilityProject\Map_Sheets\Map_Sheet_11.mxd



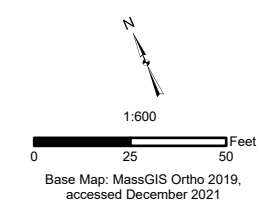
Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)

- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard

- BETH - Japanese Barberry
- PCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife

- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands
- Treatment/Mitigation Area



NO.	DATE	REVISIONS

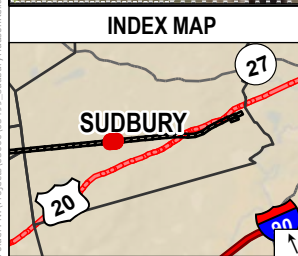
EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 12 OF 32

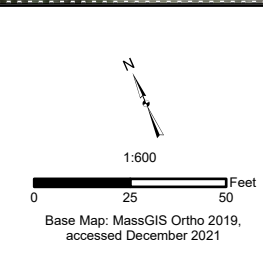
Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS



Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)
- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard
- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife
- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands



NO.	DATE	REVISIONS

EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 13 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS

C:\Users\A\Projects\GIS\0208\02080909_SudburyHudsonReliabilityProject\InvasiveSpeciesTreatmentPlan\Map_Sheet_13.mxd

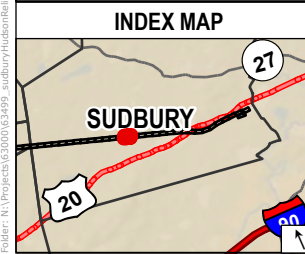
MAP SHEET 13

MAP SHEET 15

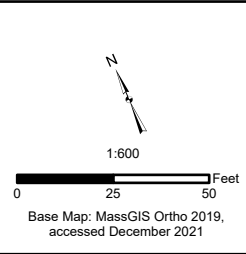
SUDBURY

SU-CEOR7-080

SU-FRANG-079



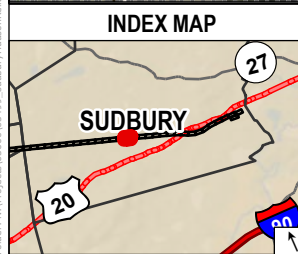
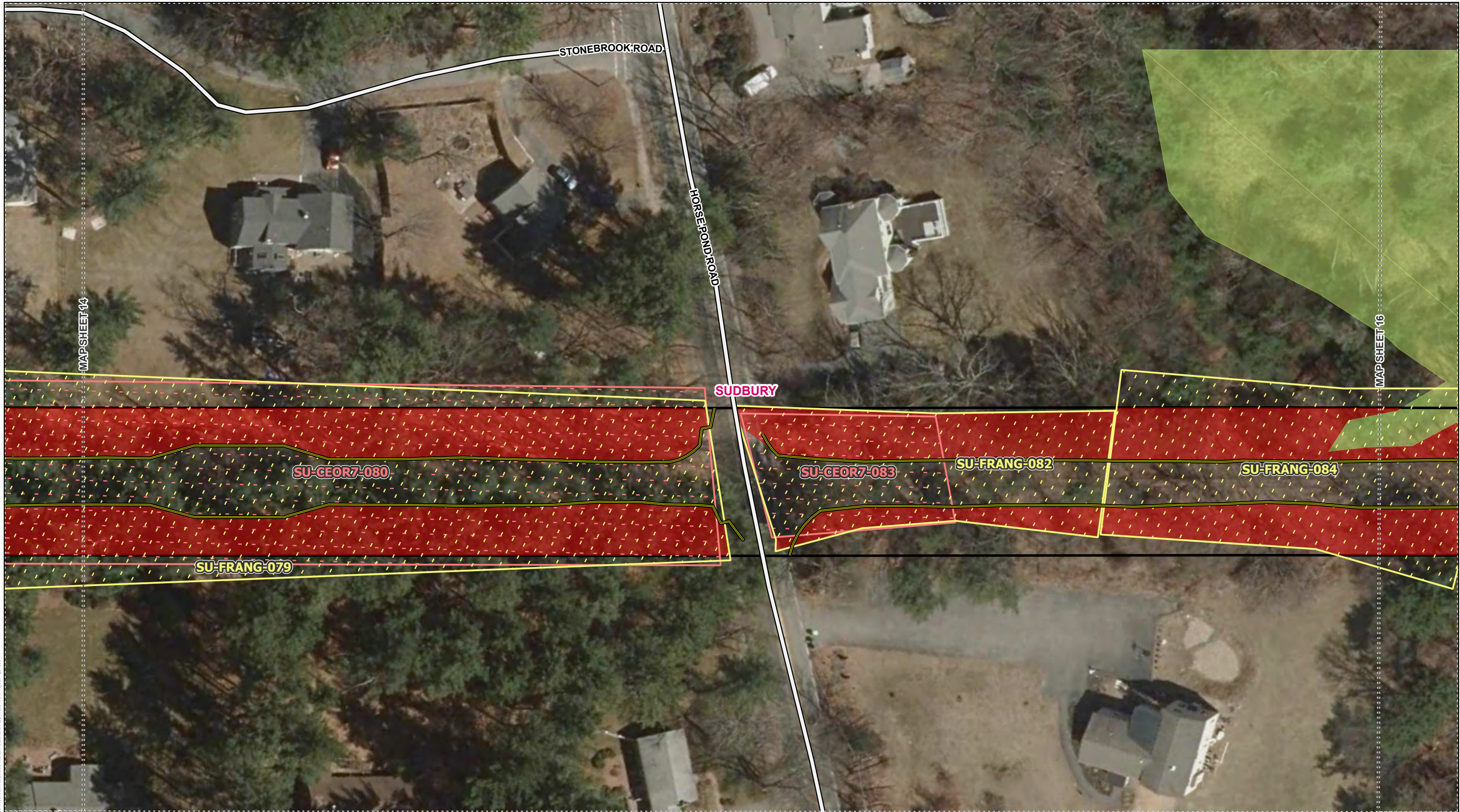
Legend	
	Road
	Limit Of Work (LOW)
	Watercourse Line (not delineated)
	Map Sheet
	Municipal Boundary
	Existing Right-of-Way (ROW)
	CEOR7 - Asiatic Bittersweet
	ELUM - Autumn Olive
	ROPS - Black Locust
	FRANG - Buckthorn
	DIERV - Bush Honeysuckle
	ALPE4 - Garlic Mustard
	BETH - Japanese Barberry
	POCU6 - Japanese Knotweed
	ROMU - Multiflora Rose
	ACPL - Norway Maple
	PHAU7 - Phragmites
	LYSA2 - Purple Loosestrife
	PHAR3 - Reed Canary Grass
	AIAL - Tree of Heaven
	EUAL13 - Winged Euonymus
	Delineated Wetlands
	Treatment/Mitigation Area



NO.	DATE	REVISIONS

EVERSOURCE ENERGY
Sudbury Hudson Reliability Project
Invasive Species Treatment Plan

SUDBURY, MA MAP SHEET 14 OF 32
 Date: December, 2021



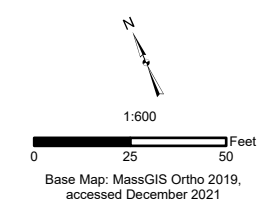
Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)

- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard

- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife

- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands
- Treatment/Mitigation Area



NO.	DATE	REVISIONS

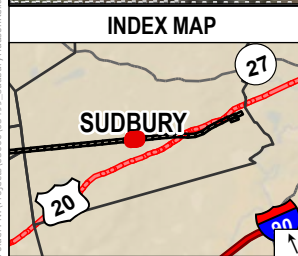
EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 15 OF 32

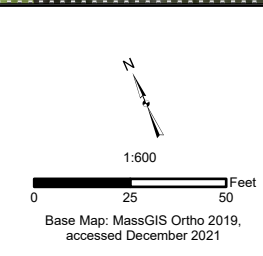
Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS



Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)
- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard
- BETH - Japanese Barberry
- PCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife
- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands
- Treatment/Mitigation Area



NO.	DATE	REVISIONS

EVERSOURCE ENERGY

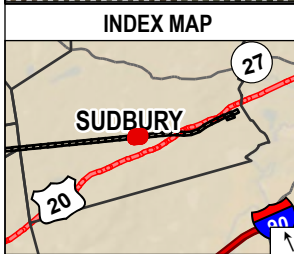
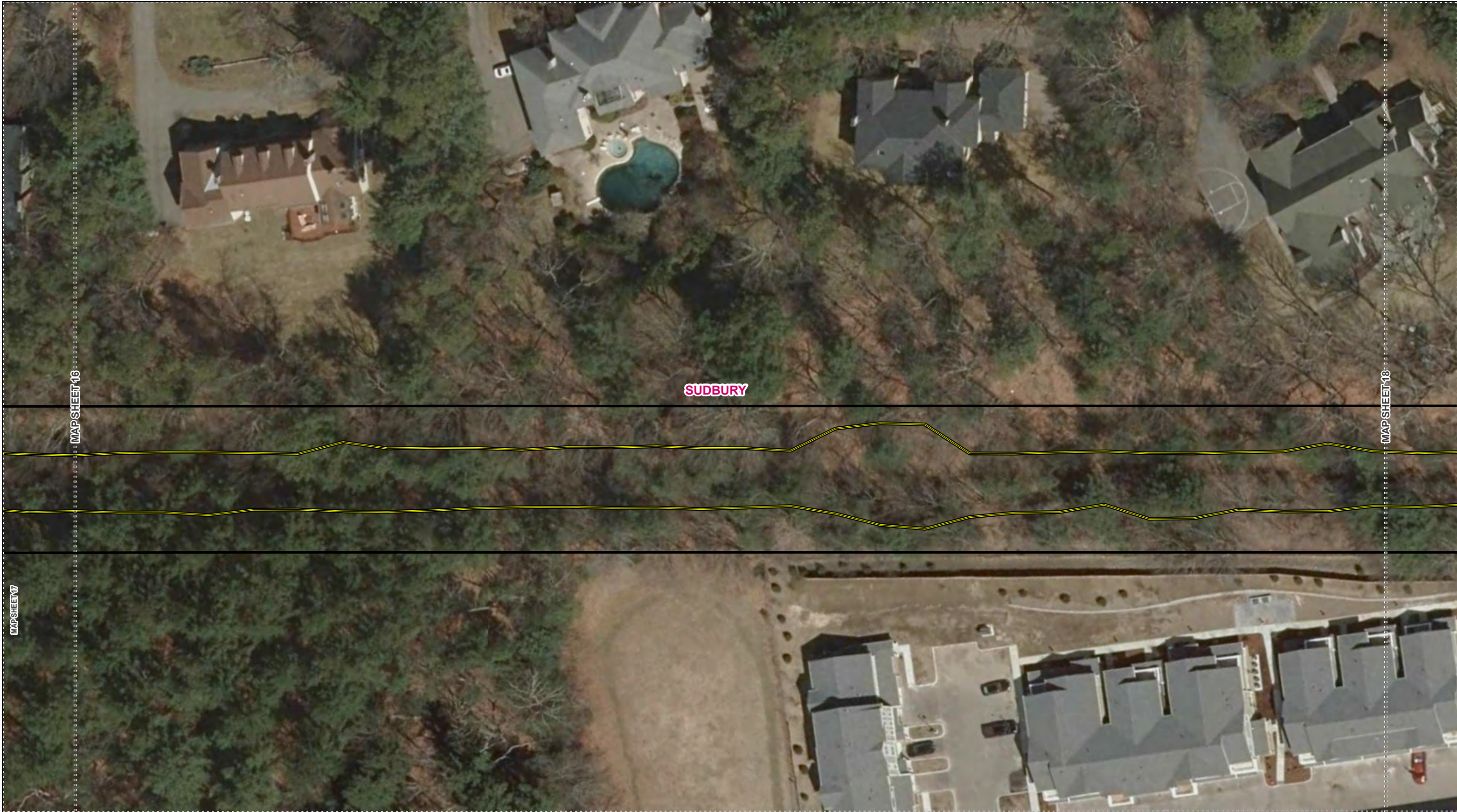
**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 16 OF 32

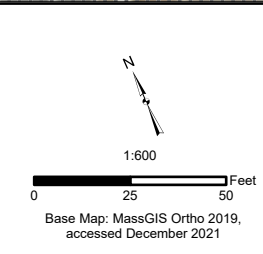
Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS

C:\Users\A\Projects\GIS\02019\02019_Sudbury\Subarea\Map_Sheets\Map_Sheet_16.mxd
 12/15/2021 10:00:00 AM



Legend					
	CEOR7 - Asiatic Bittersweet		BETH - Japanese Barberry		PHAR3 - Reed Canary Grass
	ELUM - Autumn Olive		POCU6 - Japanese Knotweed		AIAL - Tree of Heaven
	ROPS - Black Locust		ROMU - Multiflora Rose		EUAL13 - Winged Euonymus
	FRANG - Buckthorn		ACPL - Norway Maple		Delineated Wetlands
	DIERV - Bush Honeysuckle		PHAU7 - Phragmites		
	ALPE4 - Garlic Mustard		LYSA2 - Purple Loosestrife		



NO.	DATE	REVISIONS

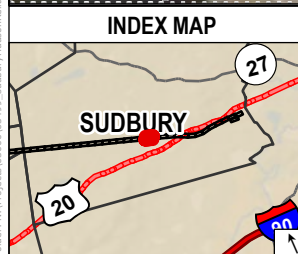
EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 17 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS



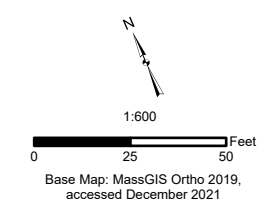
Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)

- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard

- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife

- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands



NO.	DATE	REVISIONS

EVERSOURCE
ENERGY

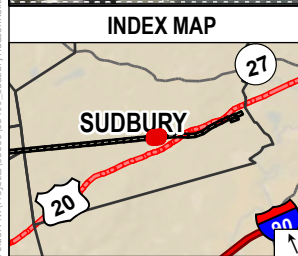
**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 18 OF 32

Date: December, 2021

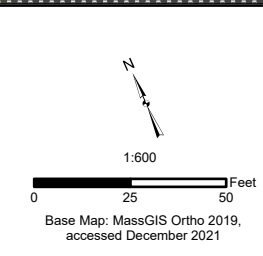
SWCA
ENVIRONMENTAL CONSULTANTS

File: \\proj\GIS\2020\02\09_SudburyHudsonReliabilityProject\GIS\2020_02\09_SudburyHudsonReliabilityProject\Map_Sheets\Map_Sheet_18.mxd



Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)
- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard
- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife
- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands



NO.	DATE	REVISIONS

EVERSOURCE
ENERGY

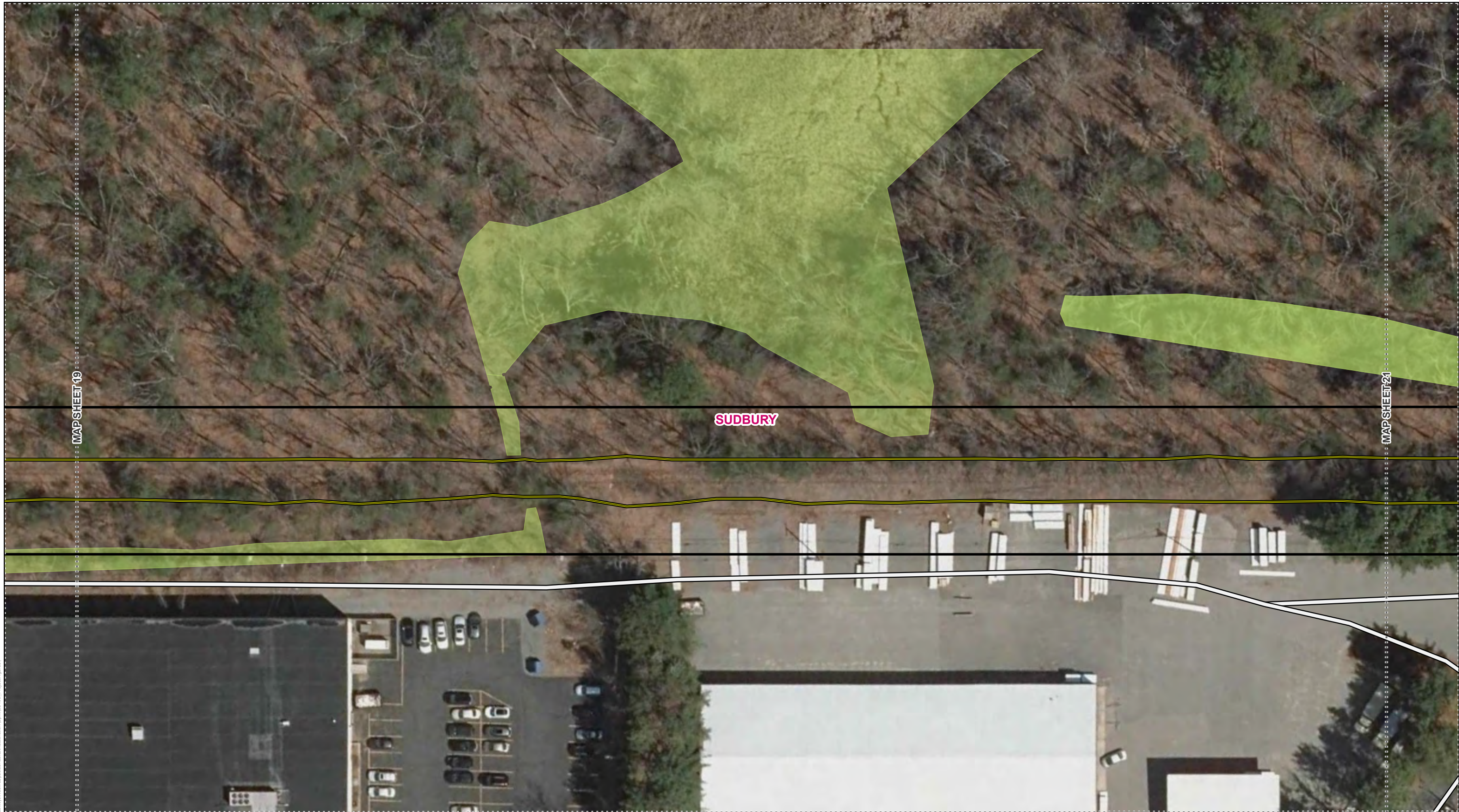
**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 19 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS

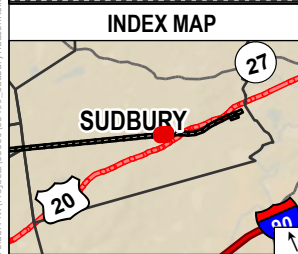
C:\Users\A\Project\GIS\020103\020103_Sudbury\Subarea\Map_Sheets\Map_Sheet_19.mxd



SUDBURY

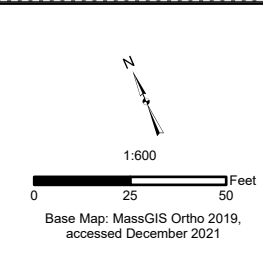
MAP SHEET 19

MAP SHEET 21



Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)
- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard
- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife
- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands



NO.	DATE	REVISIONS

EVERSOURCE ENERGY

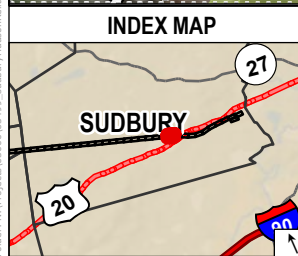
**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 20 OF 32

Date: December, 2021

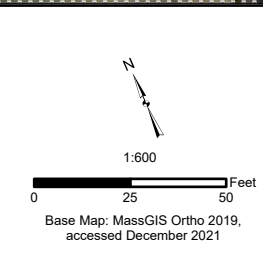
SWCA
ENVIRONMENTAL CONSULTANTS

File: \\proj\proj\GIS\2020\02\09_SudburyHudsonReliabilityProject\InvasiveSpeciesTreatmentPlan\Map_Sheet_20.mxd
 Project: 2020-02-09



Legend

- | | | | |
|-----------------------------------|-----------------------------|----------------------------|---------------------------|
| Road | CEOR7 - Asiatic Bittersweet | BETH - Japanese Barberry | PHAR3 - Reed Canary Grass |
| Limit Of Work (LOW) | ELUM - Autumn Olive | POCU6 - Japanese Knotweed | AIAL - Tree of Heaven |
| Watercourse Line (not delineated) | ROPS - Black Locust | ROMU - Multiflora Rose | EUAL13 - Winged Euonymus |
| Map Sheet | FRANG - Buckthorn | ACPL - Norway Maple | Delineated Wetlands |
| Municipal Boundary | DIERV - Bush Honeysuckle | PHAU7 - Phragmites | Treatment/Mitigation Area |
| Existing Right-of-Way (ROW) | ALPE4 - Garlic Mustard | LYSA2 - Purple Loosestrife | |



NO.	DATE	REVISIONS

EVERSOURCE ENERGY

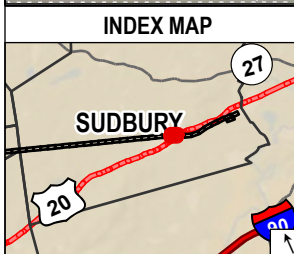
**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 21 OF 32

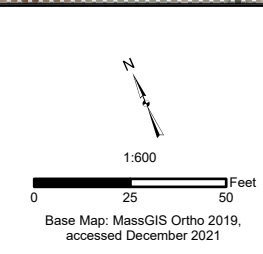
Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS

File Path: \\proj\proj\GIS\2020\GIS\2020_Sudbury\InvasiveSpeciesTreatmentPlan\MapSheets\MapSheet21.mxd
 Project: Invasive Species Treatment Plan
 Date: 12/15/2021 10:00 AM



Legend	
Road	CEOR7 - Asiatic Bittersweet
Limit Of Work (LOW)	ELUM - Autumn Olive
Watercourse Line (not delineated)	ROPS - Black Locust
Map Sheet	FRANG - Buckthorn
Municipal Boundary	DIERV - Bush Honeysuckle
Existing Right-of-Way (ROW)	ALPE4 - Garlic Mustard
BETH - Japanese Barberry	PHAR3 - Reed Canary Grass
POCU6 - Japanese Knotweed	AIAL - Tree of Heaven
ROMU - Multiflora Rose	EUAL13 - Winged Euonymus
ACPL - Norway Maple	Delineated Wetlands
PHAU7 - Phragmites	
LYSA2 - Purple Loosestrife	



NO.	DATE	REVISIONS

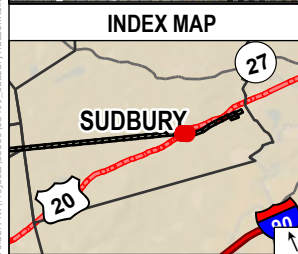
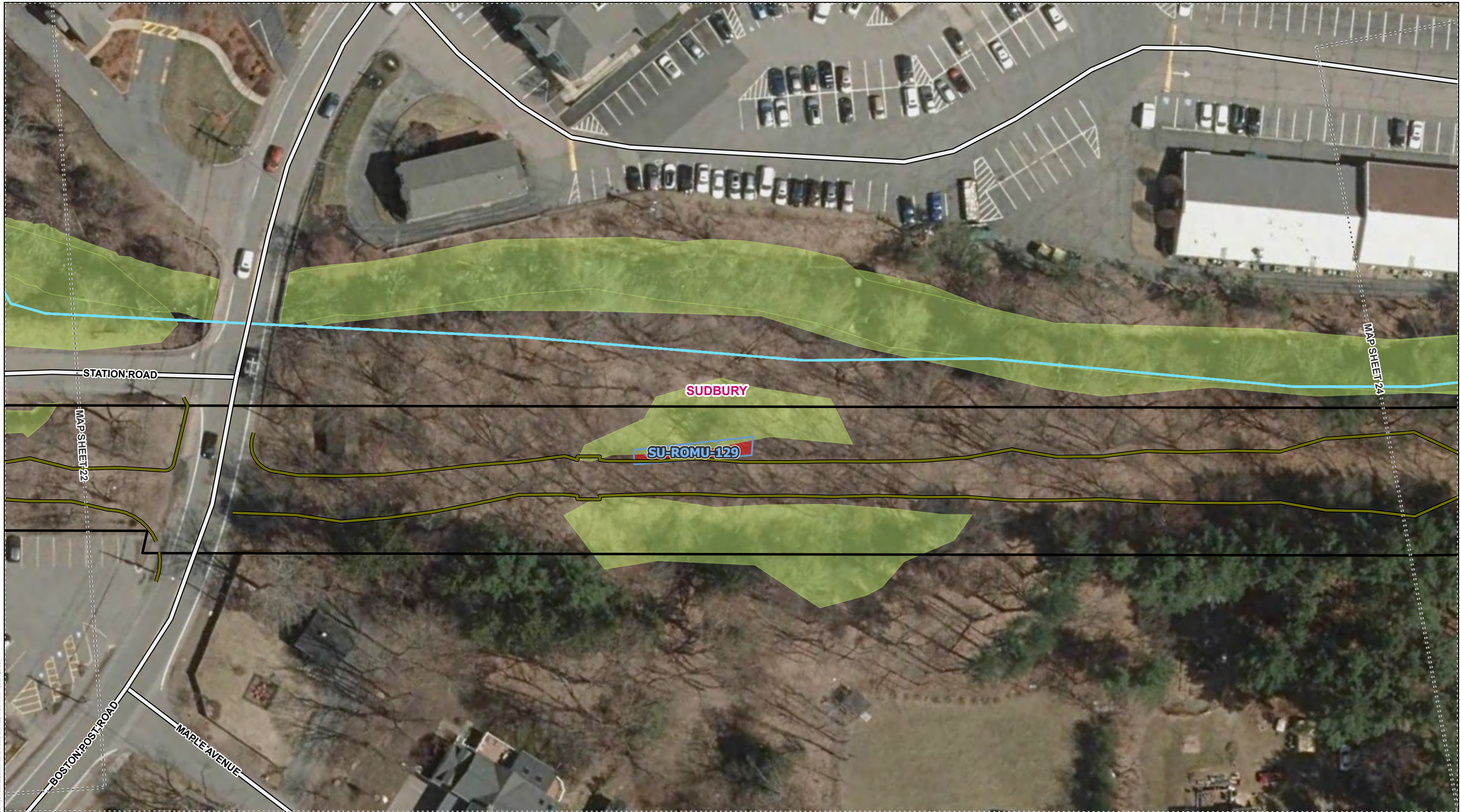
EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 22 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS



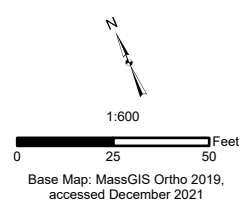
Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)

- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard

- BETH - Japanese Barberry
- PCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife

- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands
- Treatment/Mitigation Area



NO.	DATE	REVISIONS

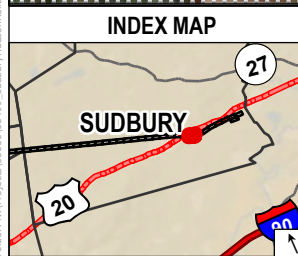
EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 23 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS



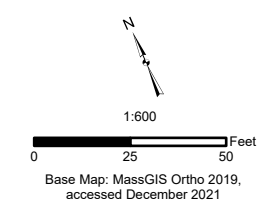
Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)

- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard

- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife

- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands
- Treatment/Mitigation Area



NO.	DATE	REVISIONS

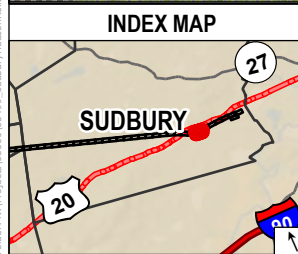
EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 24 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS



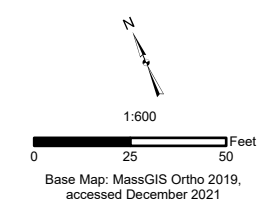
Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)

- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard

- BETH - Japanese Barberry
- PCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife

- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands
- Treatment/Mitigation Area



NO.	DATE	REVISIONS

EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

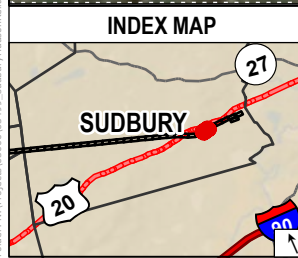
SUDBURY, MA MAP SHEET 25 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS

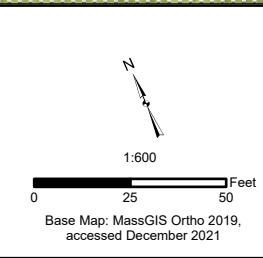


File: \\proj\GIS\2020\02\09_Sudbury\Suburban\Map_Sheets\Map_Sheet_26.mxd, Project: E:\Projects\2020\02\09_Sudbury\Suburban\Map_Sheets\Map_Sheet_26.mxd



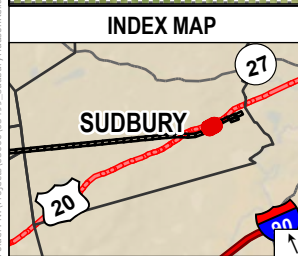
Legend

- | | | | |
|-----------------------------------|-----------------------------|----------------------------|---------------------------|
| Road | CEOR7 - Asiatic Bittersweet | BETH - Japanese Barberry | PHAR3 - Reed Canary Grass |
| Limit Of Work (LOW) | ELUM - Autumn Olive | POCU6 - Japanese Knotweed | AIAL - Tree of Heaven |
| Watercourse Line (not delineated) | ROPS - Black Locust | ROMU - Multiflora Rose | EUAL13 - Winged Euonymus |
| Map Sheet | FRANG - Buckthorn | ACPL - Norway Maple | Delineated Wetlands |
| Municipal Boundary | DIERV - Bush Honeysuckle | PHAU7 - Phragmites | Treatment/Mitigation Area |
| Existing Right-of-Way (ROW) | ALPE4 - Garlic Mustard | LYSA2 - Purple Loosestrife | |



NO.	DATE	REVISIONS

EVERSOURCE ENERGY
Sudbury Hudson Reliability Project
Invasive Species Treatment Plan
 SUDBURY, MA MAP SHEET 26 OF 32
 Date: December, 2021



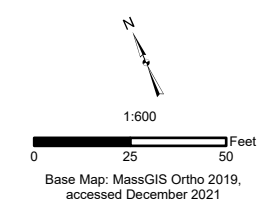
Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)

- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard

- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife

- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands
- Treatment/Mitigation Area



NO.	DATE	REVISIONS

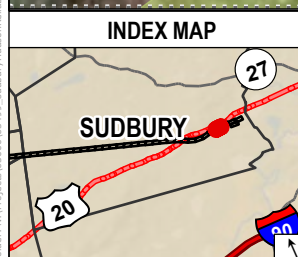
EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

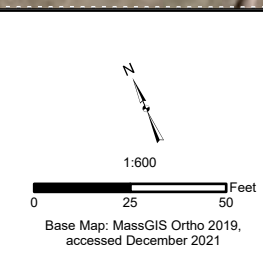
SUDBURY, MA MAP SHEET 27 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS



Legend	
Road	CEOR7 - Asiatic Bittersweet
Limit Of Work (LOW)	ELUM - Autumn Olive
Watercourse Line (not delineated)	ROPS - Black Locust
Map Sheet	FRANG - Buckthorn
Municipal Boundary	DIERV - Bush Honeysuckle
Existing Right-of-Way (ROW)	ALPE4 - Garlic Mustard
BETH - Japanese Barberry	PHAR3 - Reed Canary Grass
PCU6 - Japanese Knotweed	AIAL - Tree of Heaven
ROMU - Multiflora Rose	EUAL13 - Winged Euonymus
ACPL - Norway Maple	Delineated Wetlands
PHAU7 - Phragmites	Treatment/Mitigation Area
LYSA2 - Purple Loosestrife	



NO.	DATE	REVISIONS

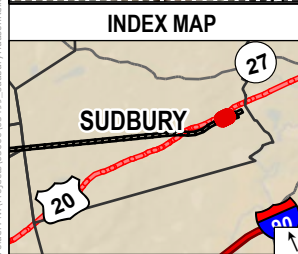
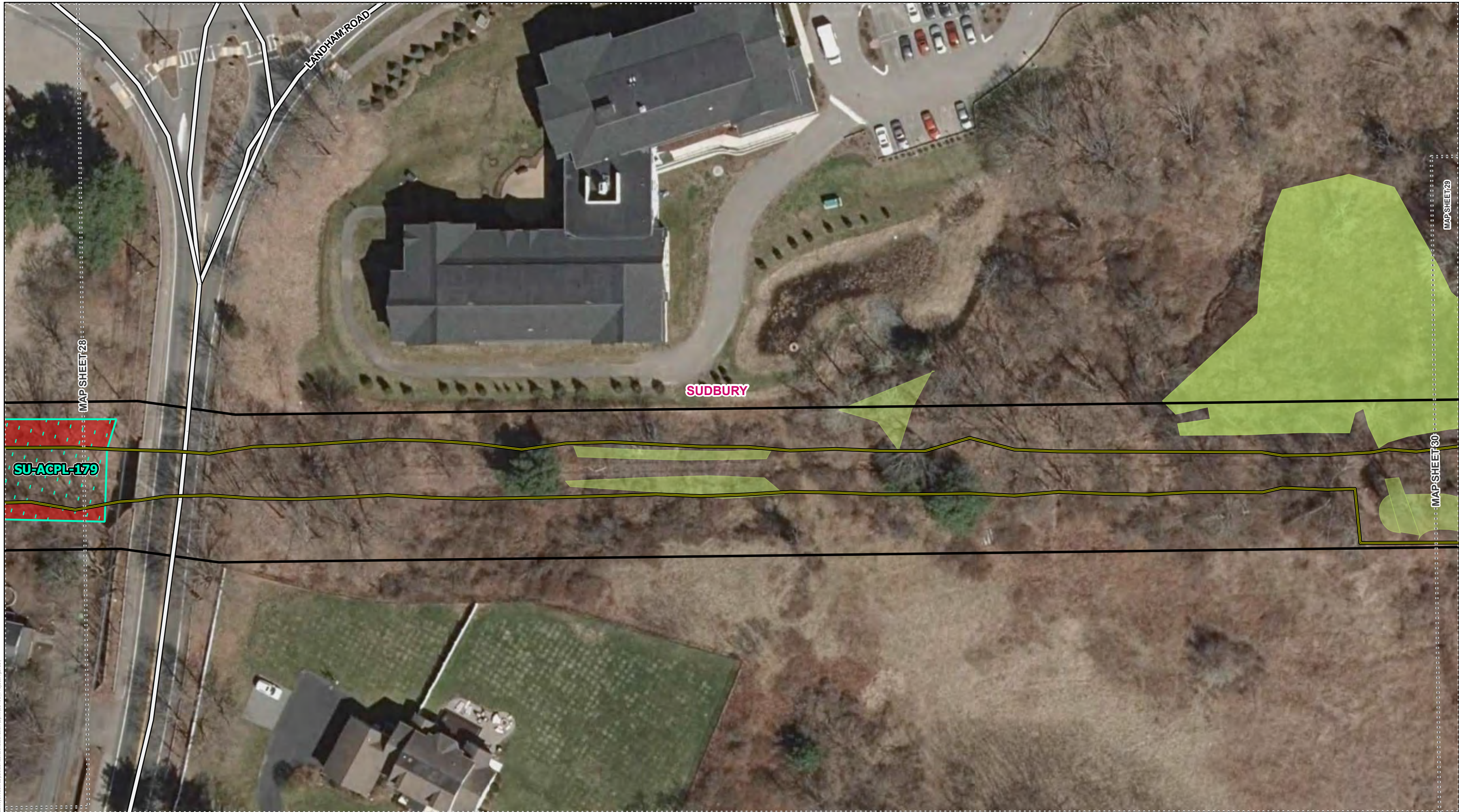
EVERSOURCE ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 28 OF 32

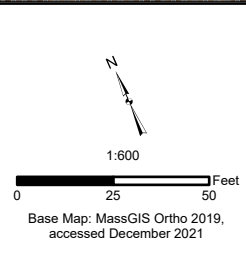
Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS



Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)
- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard
- BETH - Japanese Barberry
- PCOU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife
- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands
- Treatment/Mitigation Area



NO.	DATE	REVISIONS

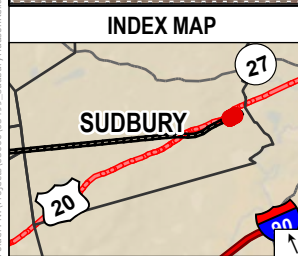
EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 29 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS



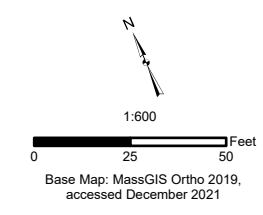
Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)

- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard

- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife

- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands



NO.	DATE	REVISIONS

EVERSOURCE ENERGY

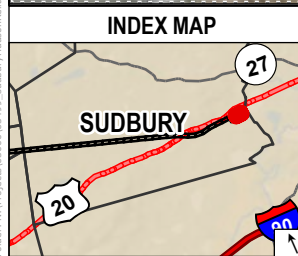
**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 30 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS

C:\Users\N\Projects\GIS\020103\020103_Sudbury\Subarea\Map_Sheets\Map_Sheet_30.mxd, Project: ERM-21



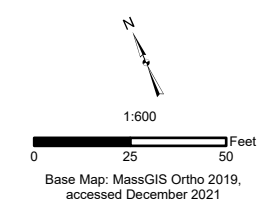
Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)

- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard

- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife

- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands



NO.	DATE	REVISIONS

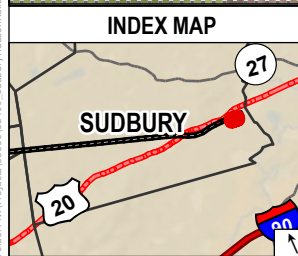
EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 31 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS



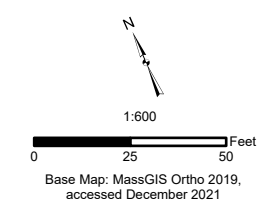
Legend

- Road
- Limit Of Work (LOW)
- Watercourse Line (not delineated)
- Map Sheet
- Municipal Boundary
- Existing Right-of-Way (ROW)

- CEOR7 - Asiatic Bittersweet
- ELUM - Autumn Olive
- ROPS - Black Locust
- FRANG - Buckthorn
- DIERV - Bush Honeysuckle
- ALPE4 - Garlic Mustard

- BETH - Japanese Barberry
- POCU6 - Japanese Knotweed
- ROMU - Multiflora Rose
- ACPL - Norway Maple
- PHAU7 - Phragmites
- LYSA2 - Purple Loosestrife

- PHAR3 - Reed Canary Grass
- AIAL - Tree of Heaven
- EUAL13 - Winged Euonymus
- Delineated Wetlands



NO.	DATE	REVISIONS

EVERSOURCE
ENERGY

**Sudbury Hudson Reliability Project
Invasive Species Treatment Plan**

SUDBURY, MA MAP SHEET 32 OF 32

Date: December, 2021

SWCA
ENVIRONMENTAL CONSULTANTS

Feature ID	Common Name	Scientific Name	Species Code	Town	Numerical ID	Percent Cover	Area Size (SQ.FT.)
SU-FRANG-002	Buckthorn	Frangula Mill.	FRANG	SU	002	7%	9,800.25
SU-FRANG-003	Buckthorn	Frangula Mill.	FRANG	SU	003	7%	952.97
SU-FRANG-004	Buckthorn	Frangula Mill.	FRANG	SU	004	3%	1,366.16
SU-FRANG-005	Buckthorn	Frangula Mill.	FRANG	SU	005	50%	13,602.49
SU-PHAU7-006	Phragmites	Phragmites australis (Cav.) Trin. ex Steud.	PHAU7	SU	006	75%	16,480.76
SU-ROMU-007	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	007	25%	710.53
SU-DIERV-009	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	009	50%	2,319.21
SU-DIERV-010	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	010	50%	1,666.35
SU-FRANG-011	Buckthorn	Frangula Mill.	FRANG	SU	011	75%	24,922.33
SU-DIERV-012	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	012	38%	4,608.74
SU-FRANG-014	Buckthorn	Frangula Mill.	FRANG	SU	014	25%	6,758.91
SU-FRANG-013	Buckthorn	Frangula Mill.	FRANG	SU	013	75%	6,660.92
SU-FRANG-016	Buckthorn	Frangula Mill.	FRANG	SU	016	15%	426.49
SU-FRANG-020	Buckthorn	Frangula Mill.	FRANG	SU	020	25%	7,758.48
SU-CEOR7-022	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	022	25%	1,229.19
SU-CEOR7-024	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	024	15%	6,575.79
SU-ALPE4-025	Garlic Mustard	Alliaria petiolata (M. Bieb.) Cavara & Grande	ALPE4	SU	025	38%	2,384.90
SU-FRANG-023	Buckthorn	Frangula Mill.	FRANG	SU	023	25%	14,032.42
SU-FRANG-027	Buckthorn	Frangula Mill.	FRANG	SU	027	15%	11,298.61
SU-ALPE4-029	Garlic Mustard	Alliaria petiolata (M. Bieb.) Cavara & Grande	ALPE4	SU	029	75%	866.55
SU-FRANG-036	Buckthorn	Frangula Mill.	FRANG	SU	036	75%	83,598.77
SU-CEOR7-039	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	039	15%	23,692.50
SU-BETH-042	Japanese Barberry	Berberis thunbergii DC.	BETH	SU	042	7%	10,007.15
SU-ROPS-044	Black Locust	Robinia pseudoacacia L.	ROPS	SU	044	60%	1,209.09
SU-EUAL13-047	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	047	15%	3,305.67
SU-ROMU-048	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	048	38%	4,892.78
SU-DIERV-049	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	049	25%	543.31
SU-FRANG-054	Buckthorn	Frangula Mill.	FRANG	SU	054	38%	10,639.66
SU-FRANG-056	Buckthorn	Frangula Mill.	FRANG	SU	056	38%	10,045.10
SU-FRANG-059	Buckthorn	Frangula Mill.	FRANG	SU	059	7%	12,214.18
SU-FRANG-060	Buckthorn	Frangula Mill.	FRANG	SU	060	25%	1,928.42
SU-CEOR7-061	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	061	38%	676.28
SU-EUAL13-063	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	063	25%	3,105.47
SU-FRANG-064	Buckthorn	Frangula Mill.	FRANG	SU	064	38%	15,450.09
SU-ACPL-066	Norway Maple	Acer platanoides L.	ACPL	SU	066	75%	12,865.88
SU-FRANG-067	Buckthorn	Frangula Mill.	FRANG	SU	067	25%	6,031.44
SU-FRANG-068	Buckthorn	Frangula Mill.	FRANG	SU	068	25%	37,770.42
SU-CEOR7-070	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	070	25%	738.37
SU-FRANG-072	Buckthorn	Frangula Mill.	FRANG	SU	072	60%	31,480.40
SU-CEOR7-075	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	075	38%	33,896.15
SU-EUAL13-076	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	076	7%	15,310.44

SU-ACPL-077	Norway Maple	Acer platanoides L.	ACPL	SU	077	38%	15,562.00
SU-FRANG-078	Buckthorn	Frangula Mill.	FRANG	SU	078	25%	20,635.17
SU-FRANG-079	Buckthorn	Frangula Mill.	FRANG	SU	079	60%	46,149.56
SU-CEOR7-080	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	080	38%	42,779.73
SU-FRANG-082	Buckthorn	Frangula Mill.	FRANG	SU	082	75%	13,219.98
SU-CEOR7-083	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	083	25%	6,842.76
SU-FRANG-084	Buckthorn	Frangula Mill.	FRANG	SU	084	75%	19,882.21
SU-FRANG-088	Buckthorn	Frangula Mill.	FRANG	SU	088	50%	20,898.92
SU-FRANG-090	Buckthorn	Frangula Mill.	FRANG	SU	090	25%	31,825.54
SU-CEOR7-089	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	089	15%	1,044.32
SU-ALPE4-091	Garlic Mustard	Alliaria petiolata (M. Bieb.) Cavara & Grande	ALPE4	SU	091	38%	1,630.03
SU-CEOR7-092	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	092	25%	5,949.39
SU-FRANG-094	Buckthorn	Frangula Mill.	FRANG	SU	094	7%	22,924.88
SU-FRANG-095	Buckthorn	Frangula Mill.	FRANG	SU	095	50%	22,365.56
SU-CEOR7-096	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	096	38%	1,633.67
SU-ROMU-097	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	097	15%	2,874.28
SU-FRANG-100	Buckthorn	Frangula Mill.	FRANG	SU	100	25%	24,115.92
SU-CEOR7-101	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	101	25%	1,321.12
SU-FRANG-102	Buckthorn	Frangula Mill.	FRANG	SU	102	60%	67,291.52
SU-FRANG-103	Buckthorn	Frangula Mill.	FRANG	SU	103	15%	600.41
SU-CEOR7-104	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	104	38%	20,683.30
SU-DIERV-105	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	105	38%	1,222.74
SU-PHAU7-108	Phragmites	Phragmites australis (Cav.) Trin. ex Steud.	PHAU7	SU	108	15%	626.44
SU-FRANG-107	Buckthorn	Frangula Mill.	FRANG	SU	107	25%	18,555.11
SU-CEOR7-106	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	106	25%	1,034.77
SU-CEOR7-110	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	110	50%	25,233.54
SU-ELUM-113	Autumn Olive	Elaeagnus umbellata Thunb.	ELUM	SU	113	38%	2,315.73
SU-DIERV-115	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	115	15%	16,247.01
SU-ACPL-116	Norway Maple	Acer platanoides L.	ACPL	SU	116	50%	15,564.25
SU-ROMU-117	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	117	15%	4,740.65
SU-ALPE4-118	Garlic Mustard	Alliaria petiolata (M. Bieb.) Cavara & Grande	ALPE4	SU	118	75%	2,446.02
SU-BETH-119	Japanese Barberry	Berberis thunbergii DC.	BETH	SU	119	25%	5,804.12
SU-ALPE4-121	Garlic Mustard	Alliaria petiolata (M. Bieb.) Cavara & Grande	ALPE4	SU	121	25%	250.05
SU-FRANG-123	Buckthorn	Frangula Mill.	FRANG	SU	123	38%	1,560.19
SU-ROMU-122	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	122	38%	2,982.25
SU-BETH-125	Japanese Barberry	Berberis thunbergii DC.	BETH	SU	125	38%	6,859.14
SU-ALPE4-124	Garlic Mustard	Alliaria petiolata (M. Bieb.) Cavara & Grande	ALPE4	SU	124	50%	529.43
SU-ACPL-126	Norway Maple	Acer platanoides L.	ACPL	SU	126	15%	2,067.92
SU-POCU6-127	Japanese Knotweed	Polygonum cuspidatum Siebold & Zucc.	POCU6	SU	127	60%	7,046.46
SU-FRANG-128	Buckthorn	Frangula Mill.	FRANG	SU	128	38%	54,692.18
SU-ROMU-129	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	129	25%	609.79
SU-POCU6-133	Japanese Knotweed	Polygonum cuspidatum Siebold & Zucc.	POCU6	SU	133	50%	1,922.76

SU-DIERV-134	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	134	38%	15,403.77
SU-CEOR7-135	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	135	38%	5,214.63
SU-CEOR7-136	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	136	25%	5,281.15
SU-ACPL-141	Norway Maple	Acer platanoides L.	ACPL	SU	141	50%	1,608.30
SU-ROMU-142	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	142	25%	412.10
SU-ACPL-143	Norway Maple	Acer platanoides L.	ACPL	SU	143	75%	18,294.32
SU-CEOR7-144	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	144	15%	1,756.71
SU-FRANG-148	Buckthorn	Frangula Mill.	FRANG	SU	148	75%	195,317.78
SU-CEOR7-149	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	149	38%	772.03
SU-ROMU-150	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	150	38%	725.74
SU-DIERV-151	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	151	15%	1,343.07
SU-CEOR7-152	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	152	50%	619.58
SU-CEOR7-153	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	153	38%	1,720.45
SU-ROMU-154	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	154	25%	743.72
SU-BETH-156	Japanese Barberry	Berberis thunbergii DC.	BETH	SU	156	15%	1,523.22
SU-CEOR7-158	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	158	75%	30,250.72
SU-DIERV-160	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	160	25%	14,754.01
SU-ROMU-161	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	161	25%	20,670.10
SU-BETH-162	Japanese Barberry	Berberis thunbergii DC.	BETH	SU	162	15%	8,846.50
SU-ALPE4-163	Garlic Mustard	Alliaria petiolata (M. Bieb.) Cavara & Grande	ALPE4	SU	163	15%	389.45
SU-DIERV-164	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	164	25%	441.07
SU-BETH-165	Japanese Barberry	Berberis thunbergii DC.	BETH	SU	165	25%	1,045.87
SU-FRANG-166	Buckthorn	Frangula Mill.	FRANG	SU	166	75%	4,705.65
SU-CEOR7-167	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	167	25%	18,717.42
SU-DIERV-171	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	171	25%	9,615.07
SU-ALPE4-172	Garlic Mustard	Alliaria petiolata (M. Bieb.) Cavara & Grande	ALPE4	SU	172	25%	7,000.65
SU-ROMU-174	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	174	15%	1,314.41
SU-FRANG-173	Buckthorn	Frangula Mill.	FRANG	SU	173	15%	9,877.62
SU-ROMU-175	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	175	25%	1,327.46
SU-ACPL-179	Norway Maple	Acer platanoides L.	ACPL	SU	179	75%	4,663.27
SU-ACPL-181	Norway Maple	Acer platanoides L.	ACPL	SU	181	75%	7,604.59
SU-POCU6-182	Japanese Knotweed	Polygonum cuspidatum Siebold & Zucc.	POCU6	SU	182	38%	1,204.98
SU-FRANG-183	Buckthorn	Frangula Mill.	FRANG	SU	183	50%	60,851.79
SU-CEOR7-184	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	184	75%	35,444.45
SU-ROMU-186	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	186	25%	43,466.37
SU-DIERV-187	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	187	38%	13,827.88
SU-ALPE4-188	Garlic Mustard	Alliaria petiolata (M. Bieb.) Cavara & Grande	ALPE4	SU	188	25%	2,138.97
SU-DIERV-189	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	189	25%	19,860.88
SU-CEOR7-191	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	191	60%	70,110.93
SU-DIERV-192	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	192	50%	48,800.47
SU-FRANG-193	Buckthorn	Frangula Mill.	FRANG	SU	193	25%	56,185.32
SU-LYSA2-202	Purple Loosestrife	Lythrum salicaria L.	LYSA2	SU	202	50%	20,380.63

SU-PHAR3-201	Reed Canary Grass	Phalaris arundinacea L.	PHAR3	SU	201	25%	2,494.25
SU-CEOR7-203	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	203	15%	586.12
SU-ELUM-213	Autumn Olive	Elaeagnus umbellata Thunb.	ELUM	SU	213	25%	4,527.96
SU-PHAU7-214	Phragmites	Phragmites australis (Cav.) Trin. ex Steud.	PHAU7	SU	214	75%	1,789.94
SU-FRANG-212	Buckthorn	Frangula Mill.	FRANG	SU	212	75%	130,873.81
SU-LYSA2-204	Purple Loosestrife	Lythrum salicaria L.	LYSA2	SU	204	25%	5,718.69
SU-CEOR7-211	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	211	60%	34,410.24
SU-PHAR3-205	Reed Canary Grass	Phalaris arundinacea L.	PHAR3	SU	205	38%	1,708.67
SU-ELUM-206	Autumn Olive	Elaeagnus umbellata Thunb.	ELUM	SU	206	25%	2,004.41
SU-CEOR7-207	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	207	25%	1,357.97
SU-LYSA2-198	Purple Loosestrife	Lythrum salicaria L.	LYSA2	SU	198	25%	5,454.02
SU-PHAR3-200	Reed Canary Grass	Phalaris arundinacea L.	PHAR3	SU	200	38%	1,116.36
SU-CEOR7-194	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	194	25%	32,120.41
SU-PHAR3-199	Reed Canary Grass	Phalaris arundinacea L.	PHAR3	SU	199	25%	1,972.04
SU-FRANG-197	Buckthorn	Frangula Mill.	FRANG	SU	197	50%	11,681.91
SU-DIERV-195	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	195	38%	9,417.08
SU-PHAR3-196	Reed Canary Grass	Phalaris arundinacea L.	PHAR3	SU	196	60%	1,043.19
SU-FRANG-001	Buckthorn	Frangula Mill.	FRANG	SU	001	Over 90%	3.14
SU-DIERV-008	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	008	Over 90%	3.14
SU-CEOR7-015	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	015	Over 90%	3.14
SU-CEOR7-018	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	018	Over 90%	3.14
SU-FRANG-019	Buckthorn	Frangula Mill.	FRANG	SU	019	Over 90%	3.14
SU-ALPE4-021	Garlic Mustard	Alliaria petiolata (M. Bieb.) Cavara & Grande	ALPE4	SU	021	Over 90%	3.14
SU-FRANG-026	Buckthorn	Frangula Mill.	FRANG	SU	026	Over 90%	3.14
SU-ROMU-028	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	028	Over 90%	3.14
SU-CEOR7-030	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	030	Over 90%	3.14
SU-CEOR7-031	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	031	Over 90%	3.14
SU-CEOR7-032	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	032	Over 90%	3.14
SU-EUAL13-033	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	033	Over 90%	3.14
SU-DIERV-035	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	035	Over 90%	3.14
SU-EUAL13-034	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	034	Over 90%	3.14
SU-CEOR7-037	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	037	Over 90%	3.14
SU-EUAL13-038	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	038	Over 90%	3.14
SU-EUAL13-041	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	041	Over 90%	3.14
SU-ROMU-040	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	040	Over 90%	3.14
SU-ROMU-043	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	043	Over 90%	3.14
SU-EUAL13-045	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	045	Over 90%	3.14
SU-DIERV-046	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	046	Over 90%	3.14
SU-BETH-050	Japanese Barberry	Berberis thunbergii DC.	BETH	SU	050	Over 90%	3.14
SU-EUAL13-051	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	051	Over 90%	3.14
SU-ROMU-052	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	052	Over 90%	3.14
SU-EUAL13-053	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	053	Over 90%	3.14

SU-CEOR7-055	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	055	Over 90%	3.14
SU-CEOR7-057	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	057	Over 90%	3.14
SU-BETH-058	Japanese Barberry	Berberis thunbergii DC.	BETH	SU	058	Over 90%	3.14
SU-DIERV-062	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	062	Over 90%	3.14
SU-BETH-065	Japanese Barberry	Berberis thunbergii DC.	BETH	SU	065	Over 90%	3.14
SU-EUAL13-069	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	069	Over 90%	3.14
SU-BETH-071	Japanese Barberry	Berberis thunbergii DC.	BETH	SU	071	Over 90%	3.14
SU-BETH-073	Japanese Barberry	Berberis thunbergii DC.	BETH	SU	073	Over 90%	3.14
SU-CEOR7-074	Asiatic Bittersweet	Celastrus orbiculatus Thunb.	CEOR7	SU	074	Over 90%	3.14
SU-ACPL-081	Norway Maple	Acer platanoides L.	ACPL	SU	081	Over 90%	3.14
SU-EUAL13-085	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	085	Over 90%	3.14
SU-DIERV-086	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	086	Over 90%	3.14
SU-EUAL13-087	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	087	Over 90%	3.14
SU-EUAL13-093	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	093	Over 90%	3.14
SU-DIERV-098	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	098	Over 90%	3.14
SU-DIERV-099	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	099	Over 90%	3.14
SU-ELUM-109	Autumn Olive	Elaeagnus umbellata Thunb.	ELUM	SU	109	Over 90%	3.14
SU-BETH-111	Japanese Barberry	Berberis thunbergii DC.	BETH	SU	111	Over 90%	3.14
SU-DIERV-112	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	112	Over 90%	3.14
SU-DIERV-114	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	114	Over 90%	3.14
SU-ACPL-120	Norway Maple	Acer platanoides L.	ACPL	SU	120	Over 90%	3.14
SU-ACPL-130	Norway Maple	Acer platanoides L.	ACPL	SU	130	Over 90%	3.14
SU-ROMU-131	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	131	Over 90%	3.14
SU-DIERV-132	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	132	Over 90%	3.14
SU-ALPE4-138	Garlic Mustard	Alliaria petiolata (M. Bieb.) Cavara & Grande	ALPE4	SU	138	Over 90%	3.14
SU-EUAL13-139	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	139	Over 90%	3.14
SU-ROMU-140	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	140	Over 90%	3.14
SU-EUAL13-145	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	145	Over 90%	3.14
SU-ROPS-146	Black Locust	Robinia pseudoacacia L.	ROPS	SU	146	25%	3.14
SU-EUAL13-147	Winged Euonymus	Euonymus alatus (Thunb.) Siebold	EUAL13	SU	147	Over 90%	3.14
SU-AIAL-155	Tree of Heaven	Ailanthus altissima (Mill.) Swingle	AIAL	SU	155	Over 90%	3.14
SU-ROMU-157	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	157	Over 90%	3.14
SU-DIERV-159	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	159	Over 90%	3.14
SU-ROMU-168	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	168	Over 90%	3.14
SU-DIERV-169	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	169	Over 90%	3.14
SU-ROMU-170	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	170	Over 90%	3.14
SU-ROPS-176	Black Locust	Robinia pseudoacacia L.	ROPS	SU	176	Over 90%	3.14
SU-ROPS-177	Black Locust	Robinia pseudoacacia L.	ROPS	SU	177	Over 90%	3.14
SU-BETH-178	Japanese Barberry	Berberis thunbergii DC.	BETH	SU	178	Over 90%	3.14
SU-DIERV-180	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	180	Over 90%	3.14
SU-DIERV-185	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	185	Over 90%	3.14
SU-LYSA2-190	Purple Loosestrife	Lythrum salicaria L.	LYSA2	SU	190	Over 90%	3.14

SU-DIERV-215	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	215	Over 90%	3.14
SU-PHAR3-210	Reed Canary Grass	Phalaris arundinacea L.	PHAR3	SU	210	Over 90%	3.14
SU-ROMU-209	Multiflora Rose	Rosa multiflora Thunb.	ROMU	SU	209	Over 90%	3.14
SU-DIERV-208	Bush Honeysuckle	Diervilla Mill.	DIERV	SU	208	Over 90%	3.14
SU-POCU6-6b	Japanese Knotweed	Polygonum cuspidatum Siebold & Zucc.	POCU6	SU	6a	60%	49.53
SU-POCU6-6a	Japanese Knotweed	Polygonum cuspidatum Siebold & Zucc.	POCU6	SU	6b	60%	250.24