



City of Bristol
Aquifer Protection Agency

SPECIAL MEETING - MONDAY, FEBRUARY 10, 2025
CITY HALL COUNCIL CHAMBERS
111 NORTH MAIN STREET
6:30 P.M.

INFORMATION FOR THE PUBLIC TO ACCESS THIS MEETING:

Zoom Meeting link:

<https://bristolct-gov.zoom.us/j/89676718463?pwd=WQVL0qz0sVWCJtZ87XeJPb6DAkNGxJ.1>

Meeting ID:

896 7671 8463

Meeting Passcode:

123456

Join by phone

1-929-205-6099

AGENDA

1. Call to Order
2. Approval of Minutes
 - a. Special Meeting - November 18, 2024
3. Determinations
 - a. Application #APA-2025-01 – Determination of regulatory status for Non-Profit Housing (174 units/75 buildings) for the Cambridge Park Rehabilitation at 98 Jerome Avenue (inclusive of Davis Drive and Quaker Lane); Assessor's Map 53, Lot 129; A (Multi-Family Residential) zone; The Housing Authority of the City of Bristol, applicant.
 - b. Application #APA-2025-02 – Determination of regulatory status for the Removal of Earth Materials at 165 Warner Street; Assessor's Map 55, Lot 49; R-25/OSD (Single-Family Residential/Open Space Development Overlay) zone; DB Homes, LLC, applicant.
4. Adjournment

**BRISTOL AQUIFER PROTECTION AGENCY
MINUTES
SPECIAL MEETING OF MONDAY NOVEMBER 18, 2024**

By: Chairman White

Time: 7:59 P.M.

Place: City Hall
111 North Main St.
Council Chambers
First Floor

MEMBERS	NAME	PRESENT	ABSENT
REGULAR MEMBERS:	David White (Chairman)	X	
	Thomas Marra (Vice Chairman)	X	
	Richard Harlow	X	
	Richard Goodwin (Secretary)		X
	John LaFreniere	X	
ALTERNATE MEMBERS:	Michael DeRoehn	X	
	Sara Mangiafico	X	
	Peter Caruso	X	
STAFF:	Robert Flanagan, AICP, City Planner	X	

1. Call to Order

Per the order of Chairman White, the meeting was called to order at 7:59 P.M.

2. Approval of Minutes

a. Special Meeting - September 16, 2024

Chairman White designated regular Agency Members White, Marra, LaFreniere and Harlow with alternate Agency Member Mangiafico to vote on the September 16, 2024, special meeting minutes in place of Agency Member Goodwin with his absence this evening.

MOTION: Move to approve the minutes of the September 16, 2024, special meeting.

By: Harlow

Seconded: Marra.

For: Marra, Harlow, LaFreniere, Mangiafico and White.

Against: None.

Abstained: None.

b. Special Meeting - October 21, 2024

Chairman White designated regular Agency Members White, Marra, LaFreniere and Harlow with alternate Agency Member Mangiafico to vote on the October 21, 2024, special meeting minutes in place of Agency Member Goodwin with his absence this evening.

MOTION: Move to approve the minutes of the October 21, 2024, special meeting.

By: Harlow

Seconded: LaFreniere.

For: Marra, Harlow, LaFreniere, Mangiafico and White.

Against: None.

Abstained: None.

3. Registration Transfers

- a. APAT1-2411-01 – Request to transfer existing registration for Frank’s Transmission (APA2-2011-01 – Expiration Date: December 2025) located at 881 Farmington Avenue, Assessor’s Map 53, Lot 1; BG (General Business) zone to 881 Farmington Associates Corp., owner; Jonas Lima, agent; for the previously registered regulated activity on-site: Repair or maintenance of vehicles; repair or maintenance of internal combustion engines of vehicles (including boats, snow blowers, and lawnmowers.)

Chairman White designated regular Agency Members White, Marra, LaFreniere and Harlow with alternate Agency Member Mangiafico to vote on Application #APAT1-2411-01 in place of Agency Member Goodwin with his absence this evening.

The Agency acknowledged receipt of the following items in their electronic packets: *a copy of the existing Registration for 881 Farmington Ave., Application #APA2-2011-01, letter dated December 14, 2020; E-Mail to Applicant requesting clarification on application submission dated November 12, 2024; Transfer Form Application #APAT1-2411-01 (7 Pgs.), dated November 7, 2024; a plan entitled "Materials Management Plan, Express Auto and Tire, 881 Farmington Avenue, Bristol, CT 06010, Prepared by Bristol Aquifer Protection Agency, City of Bristol, 111 North Main St., Bristol, CT 06010 and Department of Energy & Environmental Protection, Bureau of Water Protection and Land Reuse, Planning and Standards Division, Aquifer Protection Area Program, 79 Elm St., Hartford, CT 06106 (22 Pgs.), dated November 2, 2024; the applicant submission of various maps and floorplans (6 Pgs.); Bristol GIS mapping for location, wetlands, zoning and aquifer (4 Pgs.); a Survey Map, dated November 11, 2009; IWWA application for addition, Application #1659, 881 Farmington Ave., circa 2009; 8 pictures of the site for the past 10 years (10 photos); and Module 11: Registrations, from the Aquifer Protection Area Program Training (4 Pgs.)*

Jonas Lima of 881 Farmington Associates, 881 Farmington Ave., representing the registrant, explained the request was to transfer the Aquifer Protection Agency registration but retain the intended uses of repair or maintenance of vehicles; repair or maintenance of internal combustion engines of vehicles (including boats, snow blowers, and lawnmowers.) The registrant noted the use would not be expanded in any way. Mr. Mohammed Aziz is the tenant who will be operating a tire change facility, with limited vehicle repairs.

Staff reviewed the transfer application that was approved at the October 2024 meeting. Staff said the approval in December 2020 was the second renewal. Staff noted the original approval was in September 2015, so the ConnDEEP wanted to keep the original approval date. As such, the transfer application would expire in September 2025.

Staff pointed out there was only one regulated use of the property. Staff clarified there were no large amounts of oil changes being stored on-site and the used oil would be taken offsite. Staff noted Frank’s Transmission closed within the last year, so the Registration would remain active. Staff said this was the first application of this type and a property transfer form was created for these types of applications.

Staff reviewed the documents for the application.

Staff read into the record Module 11: Registrations, Aquifer Protection Area Training, from the Zoning Regulations.

Agency inquiries: Mr. Lima noted there would be a limited amount of hazardous liquid on the site. The registrant noted the Safety Kleen Systems was contacted to remove materials offsite on a weekly basis. The registrant noted the materials were on a pad, so spills should not be a concern. Mr. Lima reviewed the secondary safety measures for the 250-gallon tanks on site. Mr. Lima was unsure if an impervious coating was on the wall, but this was not a requirement.

Muhammad Aziz of Xpress Auto & Tire, 881 Farmington Ave., explained the gallonage was not increased but there are three 250-gallon tanks on site. Mr Aziz reviewed the safety procedure for spills on site. Mr. Aziz noted there would be limited oil or hazardous materials onsite.

MOTION: Move that the Bristol Aquifer Protection Agency approve the Transfer Form for Registrations in an Aquifer Protection Area Application #APAT1-2411-01 at 881 Farmington Avenue for a new business: Xpress Auto & Tire.

This action by the Agency is the transfer of the current Registration #APA2-2011-01 at 881 Farmington Avenue, Assessor’s Map 53, Lot 1, which is the former Frank’s Transmission, which expires on September 9, 2024.

The Regulated Activity that is being transferred on-site is:

- Repair or maintenance of vehicles; repair or maintenance of internal combustion engines of vehicles (including boats, snow blowers and lawnmowers).

- This transfer is only for the Regulated activity above and no other Regulated activities are authorized on-site by this transfer. The effective date of the transfer will be: December 9, 2024.

By: Marra

Seconded: Mangiafico.

For: Marra, Harlow, LaFreniere, Mangiafico and White.
Against: None.
Abstained: None.

The application is approved.

4. Aquifer Protection Area Program Technical Training

a. Overview of APA Technical Training

Staff reviewed the APA Technical Training meeting that may done online. Staff will send the links to the training to the Agency Members. Staff mentioned the Agency Members may call him if they have any questions during the training.

5. Adjournment

Chairman White designated regular Agency Members White, Marra, LaFreniere and Harlow with alternate Agency Member Mangiafico to vote on the adjournment in place of Agency Member Goodwin with his absence this evening.

MOTION: Move to adjourn at 8:23 P.M.

By: White

Seconded: Marra.

For: Marra, Harlow, LaFreniere, Mangiafico and White.
Against: None.
Abstained: None.

This meeting was recorded.

Respectfully submitted,

Nancy King
Recording Secretary

David White, Chairman

Richard Goodwin, Secretary

Determination of Regulatory Status City of Bristol CT Aquifer Protection Area Program

OFFICE USE ONLY	
Form No.	APA-2025-01
APA Name	UWB/LWB/MS
Date of Receipt	1/14/25
Determination	
Determination Date	

This form will be used by the City of Bristol's Aquifer Protection Agency to

determine whether or not any of the activities currently being conducted on your property are subject to the regulatory requirements of the city's Aquifer Protection Area Program. Please complete this form and return it to:

City of Bristol Aquifer Protection Agency
c/o Land Use Office
City Hall, 111 North Main St.
Bristol CT 06010

Questions? Please call the city's Land Use Office at (860) 584-6225.

PART 1 (please print all responses)

Name of person completing this form: Mitzy Rowe

Name of business/facility: Housing Authority of the City of Bristol

Address/location of business/facility: 98 Jerome Ave (inclusive of Davis Drive and Quaker Lane)

Telephone # of business/facility: 860-582-6313

E-Mail address of business/facility: mrowe@bristolhousing.org

(If business does not have an e-mail address, provide e-mail address of contact person)

Briefly describe the type of business(es) conducted at this address/location:

Affordable housing units within a mix of 4-unit and 2-unit residential buildings and associated parking. The Housing Authority office building is also on-site.

PART 2

Check off [] each activity below if it's currently being conducted at the business/facility identified in Part 1.

(A)	☐	Underground storage of oil, petroleum, or hazardous material; underground transmission of oil, petroleum, or hazardous material ☐ Underground storage tank containing #2 fuel oil
(B)	☐	Dispensing of oil or petroleum for retail, wholesale, or fleet use
(C)	☐	On-site storage of hazardous materials for wholesale sale
(D)	☐	Repair or maintenance of vehicles; repair or maintenance of internal combustion engines of vehicles (including boats, snow blowers and lawnmowers) ☐ Involves the use, storage, or disposal of hazardous materials (including solvents, lubricants, paints, brake fluids, transmission fluids, or the generation of hazardous wastes)
(E)	☐	Salvage operations of metal or vehicle parts
(F)	☐	Wastewater discharges to ground water other than domestic sewage and storm water
(G)	☐	Car or truck washing ☐ wastewater is disposed of through a legal connection to the public sanitary sewer
(H)	☐	Production or refining of chemicals
(I)	☐	Clothes cleaning service (dry cleaner); cloth cleaning service ☐ Involves the use, storage, or disposal of hazardous materials (including dry-cleaning solvents)
(J)	☐	Industrial laundry service ☐ Involves the cleaning of clothes or cloth contaminated by hazardous materials ☐ Wastewater is disposed of through a legal connection to the public sanitary sewer
(K)	☐	Generation of electrical power by means of fossil fuels (e.g., power plants)
(LIST CONTINUES ON PAGE 2)		

(L)	☐	Production of electronic boards, electrical components, or other electrical equipment ☐ Involves the use, storage, or disposal of hazardous materials ☐ Involves metal plating, degreasing of parts or equipment, or etching operations
(M)	☐	Embalming or crematory services ☐ Involves the use, storage, or disposal of hazardous materials ☐ Wastewater is disposed of through a legal connection to the public sanitary sewer
(N)	☐	Furniture stripping operations ☐ Involves the use, storage, or disposal of hazardous materials
(O)	☐	Furniture finishing operations ☐ Involves the use, storage, or disposal of hazardous materials ☐ Wastewater is disposed of through a legal connection to the public sanitary sewer
(P)	☐	Storage, treatment or disposal of hazardous waste under a RCRA permit
(Q)	☐	Biological or chemical testing, analysis or research ☐ Involves the use, storage, or disposal of hazardous materials ☐ wastewater is disposed of through a legal connection to the public sanitary sewer
(R)	☐	Pest control services which involve the storage, mixing, or loading of pesticides or other hazardous materials
(S)	☐	Photographic finishing ☐ Involves the use, storage, or disposal of hazardous materials ☐ Wastewater is disposed of through a legal connection to the public sanitary sewer
(T)	☐	Production or fabrication of metal products, including metal cleaning or degreasing with industrial solvents, metal plating, or metal etching ☐ Involves the use, storage, or disposal of hazardous materials
(U)	☐	Printing, plate making, lithography, photoengraving, or gravure ☐ Involves the use, storage, or disposal of hazardous materials
(V)	☐	Accumulation or storage of waste oil, anti-freeze or spent lead-acid batteries as part of a recycling facility under a state DEP General Permit
(W)	☐	Production of rubber, resin cements, elastomers, or plastic ☐ Involves the use, storage, or disposal of hazardous materials
(X)	☐	Storage of de-icing chemicals for retail sale or for de-icing parking lots, access drives, etc. ☐ Such chemicals are stored in a weather-tight, water-proof structure
(Y)	☐	Accumulation, storage, handling, recycling, disposal, reduction, processing, burning, transfer or composting of solid waste under a state DEP permit (solid waste facility, landfill, transfer station, composting facility, processing center)
(Z)	☐	Dyeing, coating or printing of textiles; tanning or finishing of leather ☐ Involves the use, storage, or disposal of hazardous materials
(AA)	☐	Production of wood veneer, plywood, reconstituted wood or pressure-treated wood ☐ Involves the use, storage, or disposal of hazardous materials
(BB)	☐	Pulp production processes that involve bleaching

Check here ☐ if none of the activities listed in Part 2 above have been checked off, and proceed to Part 5 below.

PART 3

For each activity checked off in Part 2 that involves the use or storage of hazardous materials, indicate the activity's letter code and which of the following hazardous materials is used/stored as part of that activity.

	Activity Code: _____	Activity Code: _____	Activity Code: _____	Activity Code: _____
Solvents	☐	☐	☐	☐
Heavy metals	☐	☐	☐	☐
Petroleum products (inc. Used Oil)	☐	☐	☐	☐
Pesticides	☐	☐	☐	☐
Fertilizers	☐	☐	☐	☐
Road salt; other de-icers	☐	☐	☐	☐
Other (specify): _____	☐	☐	☐	☐

PART 4

Check off [] all of the statements below that apply to the activities you checked off in Part 2.

- ☐ The activity is conducted at a residence without compensation.

If you checked off more than one activity in Part 2, please indicate the letter code(s) of each activity this statement applies to:

- ☐ The activity involves the on-site use or storage of not more than 2.5 gallons of each type of hazardous material at any one time and the total of all hazardous materials on-site does not exceed 55 gallons at any one time.

If you checked off more than one activity in Part 2, please indicate the letter code(s) of each activity this statement applies to:

- ☐ The activity is an agricultural activity regulated pursuant to Section 22a-354m(d) of the Connecticut General Statutes.

If you checked off more than one activity in Part 2, please indicate the letter code(s) of each activity this statement applies to:

- ☐ The activity satisfies ALL the following conditions:

1. The activity takes place solely within an enclosed building in an area with an impermeable floor.
2. The activity involves no more than 10% of the floor area of the building in which it takes place.
3. Any hazardous material used in connection with the activity is stored in such building at all times.
4. All waste waters generated by the activity are disposed of through a legal connection to the public sanitary sewer.
5. The activity does not involve (i) the repair or maintenance of internal combustion engines, including (without limitation) vehicles or equipment associated with such vehicles, (ii) the underground storage of any hazardous material, or (iii) the above-ground storage of more than 110 gallons of hazardous materials.

If you checked off more than one activity in Part 2, please indicate the letter code(s) of each activity this statement applies to:

- ☐ The activity solely involves the use of lubricating oil and satisfies ALL of the following conditions:

1. The activity does not involve the cleaning of metals with chlorinated solvents at the facility.
2. The activity takes place solely within an enclosed building in an area with an impermeable floor.
3. Any hazardous material used in connection with the activity is stored in such building at all times.
4. The activity does not involve (i) the repair or maintenance of internal combustion engines, including (without limitation) vehicles or equipment associated with such vehicles, (ii) the underground storage of any hazardous material, or (iii) the above-ground storage of more than 110 gallons of such lubricating oil and associated hazardous waste.

If you checked off more than one activity in Part 2, please indicate the letter code(s) of each activity this statement applies to:

- ☐ The activity involves the dispensing of oil or petroleum from an above-ground storage tank or tanks with an aggregate volume of not more than 2,000 gallons and satisfies ALL of the following conditions:

1. The activity takes place solely on a paved surface which is covered by a roof.
2. The above-ground storage tank (or tanks) is a double-walled tank with overfill alarms.
3. All associated piping is either above-ground or has secondary containment.

If you checked off more than one activity in Part 2, please indicate the letter code(s) of each activity this statement applies to:

PART 5

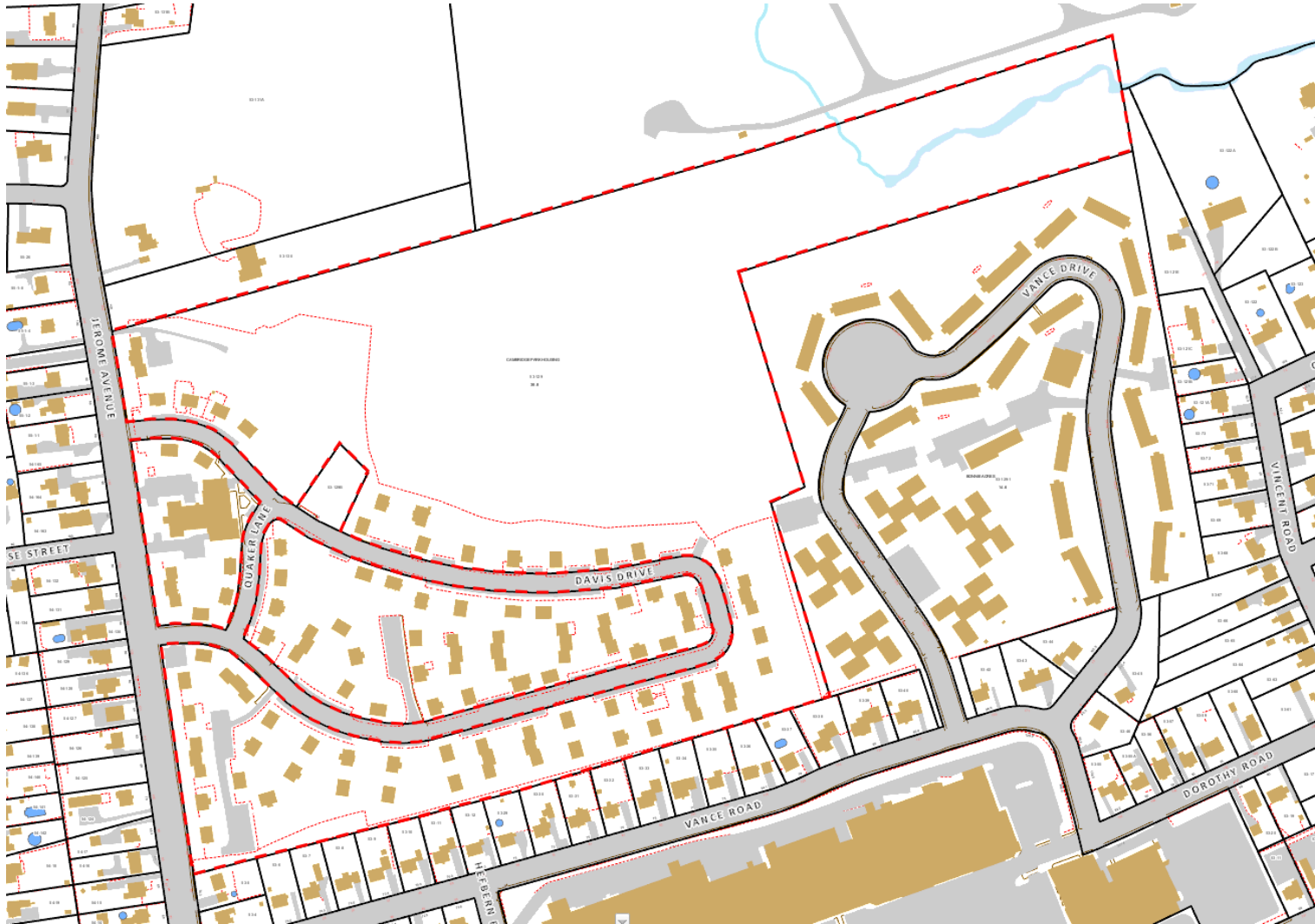
I hereby certify that this form has been completed to the best of my ability and that the information contained herein accurately represents the nature and extent of activities currently being conducted at the business/facility identified in Part 1 above which may be subject to the regulatory requirements of the city's Aquifer Protection Area Program.

Signature

Melissa A. Green, Acting CEO

Date

01/02/25



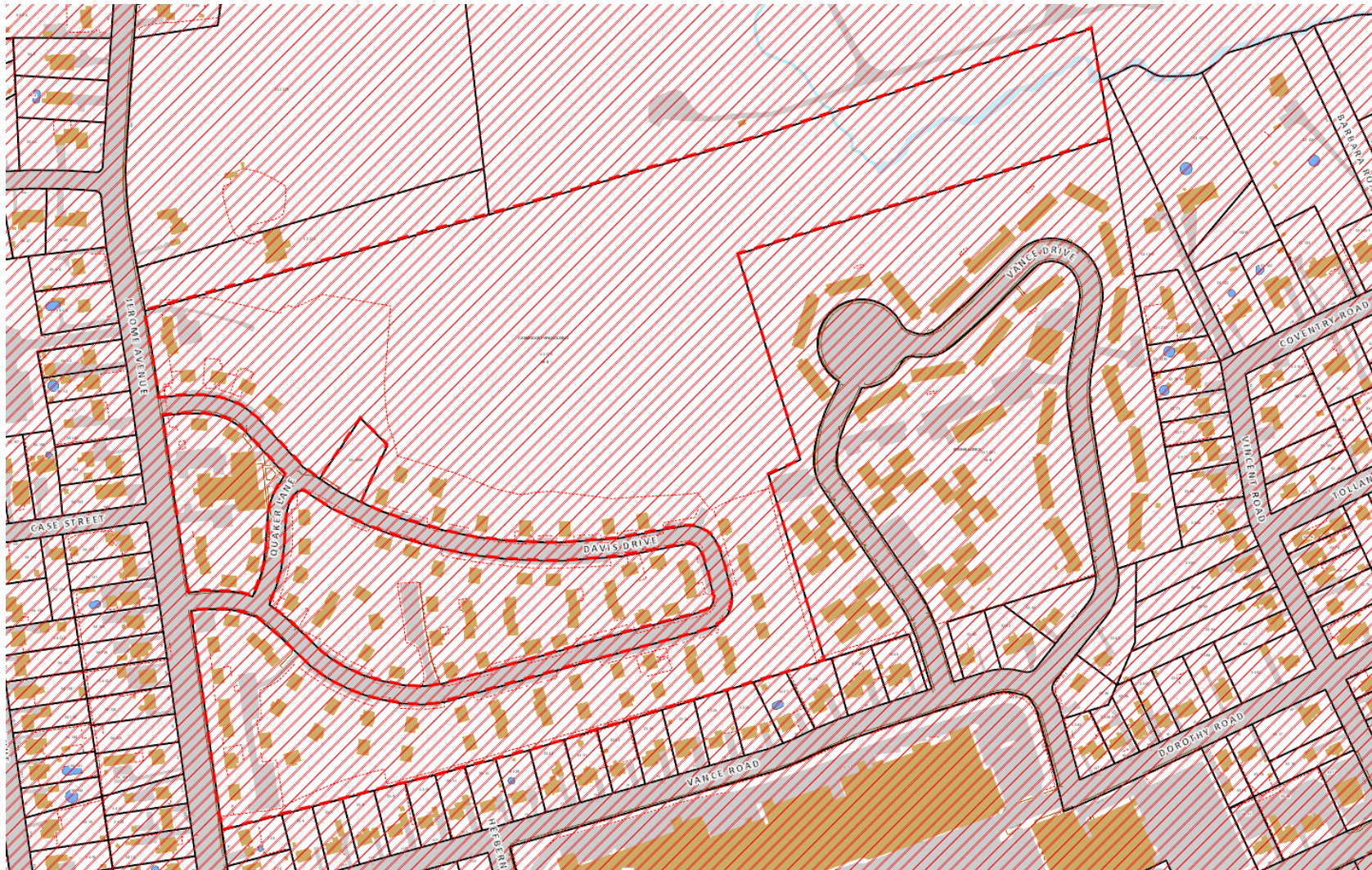
Cambridge Park – App. 2514 & 2515

98 Jerome Avenue

Map 53 Lot 129

A – Multi-Family Residential zone

Location Map



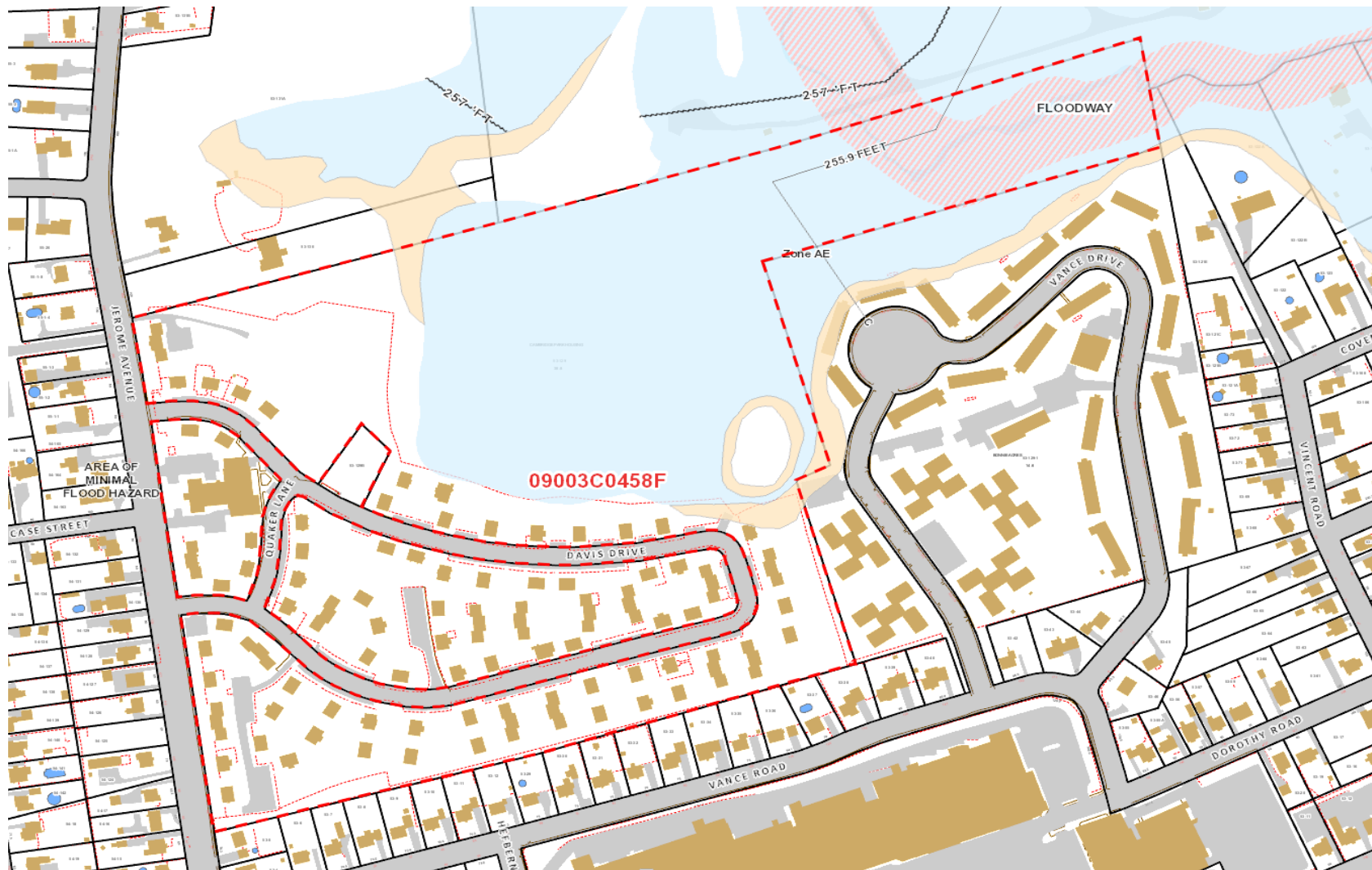
Cambridge Park – App. 2514 & 2515

98 Jerome Avenue

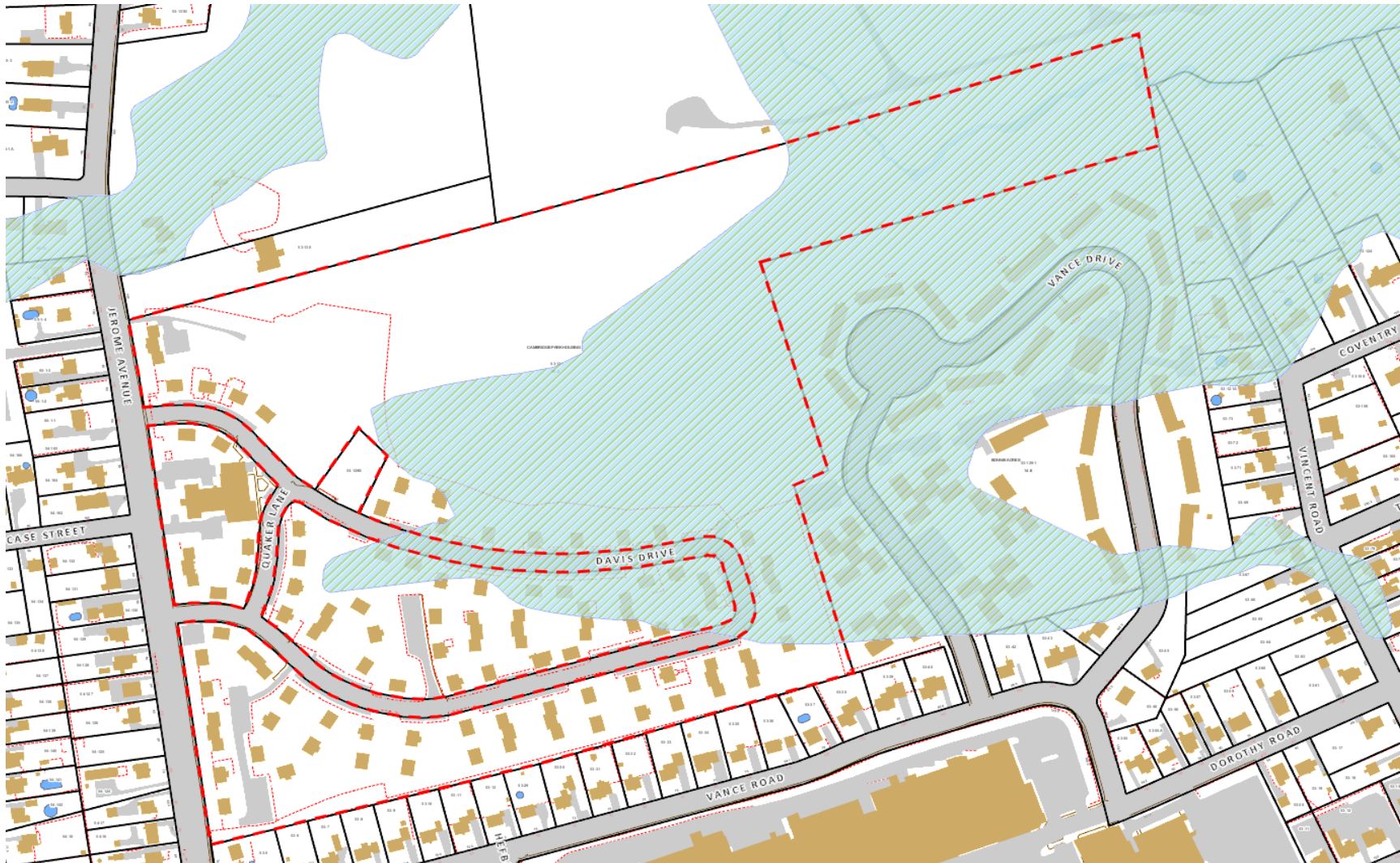
Map 53 Lot 129

A – Multi-Family Residential zone

Aquifer Map



Cambridge Apartments – App. 2514 & 2515
98 Jerome Avenue
Map 53 Lot 129
A – Multi-Family Residential zone
Floodplain Map



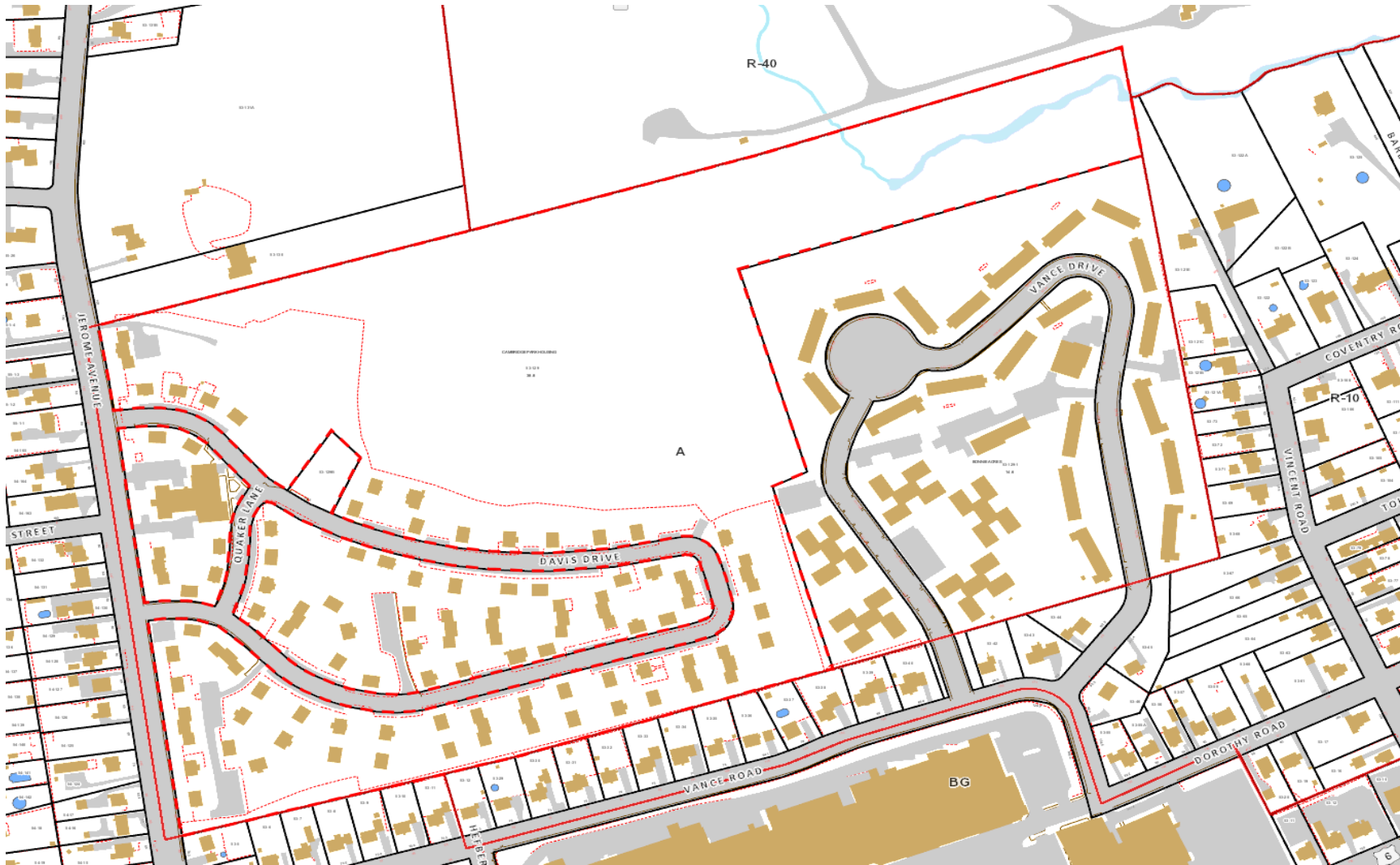
Cambridge Apartments – App. 2514 & 2515

98 Jerome Avenue

Map 53 Lot 129

A – Multi-Family Residential zone

Wetland Map



Cambridge Apartments – App. 2514 & 2515

98 Jerome Avenue

Map 53 Lot 129

A – Multi-Family Residential zone

Zoning Map



Cambridge Apartments – App. 2514 & 2515
98 Jerome Avenue
Map 53 Lot 129
A – Multi-Family Residential zone
Google Earth



Cambridge Apartments – App. 2514 & 2515
98 Jerome Avenue
Map 53 Lot 129
A – Multi-Family Residential zone
Google Earth

AQUIFER PROTECTION AREA GUIDANCE

Best Management Practices for Temporary Construction and Reconstruction Operations in Aquifer Protection Areas

Issues and Concerns

Potential groundwater quality concerns include stormwater, fuel, and other maintenance chemicals associated with vehicles, machinery, and equipment.

Guidance/Recommendations

For the protection of ground water quality at construction operations in aquifer protection areas, DEEP recommends the following:

Temporary Construction Measures

- Significant fuel, chemical or other hazardous materials storage and handling, including fueling of construction vehicles, should be located outside well field area and aquifer protection area.
- No repair or maintenance of construction vehicles or washing of construction vehicles is permitted within the aquifer protection area.
- Any necessary temporary storage should be aboveground, protected from rainfall, and on an impervious containment surface.
- An emergency spill and response plan should be developed, including coordination with the water supplier.
- The site access should be adequately secured at all times to prohibit any unauthorized disposal of waste materials.

Stormwater Pollution Prevention Measures:

- Ways to minimize pollutant load (sand, salt, etc.) should be examined.
- Deicing management areas should be established including low salt use areas, alternative chemical or sand methods.
- Wellhead protection signs shall be posted in clear visibility of the highway at the entrance and exit points of the aquifer protection area and at ½ mile intervals.

Drainage System Design Criteria:

- Select best management practices from the DEEP stormwater manual based on treatment effectiveness and low groundwater pollution potential.

- Sheetflow and swale collection is encouraged, where possible, outside of immediate well field area.
- Catch basins and curbs should be used in immediate wellhead area to divert and control runoff and spills away from wellhead.
- Dry wells or similar subsurface leaching structures should not be used for stormwater disposal from paved or other areas that have high potential to pollute groundwater; existing structures which have high potential to pollute groundwater should be removed or converted.
- Gross particle/oil separators (swirl concentrator type) may be used for pretreatment of consecutive catch basins. Deep catch basins (minimum 4' deep and tight construction, with baffles, may also be used).
- Stormwater discharge points shall outlet to aboveground land surface or basin type structures. Significant or critical discharge points should have a basin designed with a forebay (tight soil or lined) capable of containing an 8,000-10,000 gallon spill volume and 3-6 feet above water table, 4 feet above bedrock.
- Potential strategic groundwater monitoring should be considered.

For questions or more information, please contact the Aquifer Protection Area Program at 860-424-3040 or visit our website at www.ct.gov/deep/aquiferprotection.

AQUIFER PROTECTION AREA GUIDANCE

Best Management Practices for Controlling Stormwater from Parking Lots in Aquifer Protection Areas

- (1) Do not use direct infiltration structures (galleries, drywells, trenches) as these do not allow for attenuation of salt or other soluble compounds that may be contained in parking lot runoff.
- (2) Non-structural measures to dissipate and treat runoff are encouraged, including sheetflow from uncurbed pavement and vegetated swales/basins. These provide an opportunity for volatilization of volatile organic compounds to the extent possible before the stormwater can infiltrate into the ground.
- (3) If a stormwater collection system must be installed, it should discharge to an above-ground outlet point (swales, detention/retention basins or surface waters).
 - (a) Any catch basins installed should have deep sumps to trap sediments and hoods to trap oil and grease.
 - (b) If more than 1 acre of pavement drains to a common discharge point, a gross particle separator should also be installed. Advanced designs for gross particle separators have been developed, such as Vortech, Downstream Defender and Stormceptor, that the Department believes are very effective in retaining medium to coarse grained sediments as well as floatables. The last type of separator is designed to treat runoff from areas up to approximately 1 acre in size, while the former two can be sized to accommodate flow from larger areas. It is recommended that the appropriate variety of this or similar type of unit with a cyclonic design be installed in conjunction with each outfall, depending on the size of the drainage area.
- (4) Provisions should be made for the periodic maintenance that will be required to insure continued effectiveness of these control measures.

For more information regarding the design of stormwater collection systems, contact Chris Stone of the DEEP's Stormwater Permitting & Enforcement Division at (860) 424-3850.

Determination of Regulatory Status City of Bristol CT Aquifer Protection Area Program

OFFICE USE ONLY	
Form No.	_____
APA Name	_____
Date of Receipt	_____
Determination	_____
Determination Date	_____

This form will be used by the City of Bristol's Aquifer Protection Agency to

determine whether or not any of the activities currently being conducted on your property are subject to the regulatory requirements of the city's Aquifer Protection Area Program. Please complete this form and return it to:

City of Bristol Aquifer Protection Agency
c/o Land Use Office
City Hall, 111 North Main St.
Bristol CT 06010

Questions? Please call the city's Land Use Office at (860) 584-6225.

PART 1 (please print all responses)

Name of person completing this form: _____

Name of business/facility: _____

Address/location of business/facility: _____

Telephone # of business/facility: _____

E-Mail address of business/facility: _____

(If business does not have an e-mail address, provide e-mail address of contact person)

Briefly describe the type of business(es) conducted at this address/location:

PART 2

Check off [] each activity below if it's currently being conducted at the business/facility identified in Part 1.

(A)	☐	Underground storage of oil, petroleum, or hazardous material; underground transmission of oil, petroleum, or hazardous material ☐ Underground storage tank containing #2 fuel oil
(B)	☐	Dispensing of oil or petroleum for retail, wholesale, or fleet use
(C)	☐	On-site storage of hazardous materials for wholesale sale
(D)	☐	Repair or maintenance of vehicles; repair or maintenance of internal combustion engines of vehicles (including boats, snow blowers and lawnmowers) ☐ Involves the use, storage, or disposal of hazardous materials (including solvents, lubricants, paints, brake fluids, transmission fluids, or the generation of hazardous wastes)
(E)	☐	Salvage operations of metal or vehicle parts
(F)	☐	Wastewater discharges to ground water other than domestic sewage and storm water
(G)	☐	Car or truck washing ☐ wastewater is disposed of through a legal connection to the public sanitary sewer
(H)	☐	Production or refining of chemicals
(I)	☐	Clothes cleaning service (dry cleaner); cloth cleaning service ☐ Involves the use, storage, or disposal of hazardous materials (including dry-cleaning solvents)
(J)	☐	Industrial laundry service ☐ Involves the cleaning of clothes or cloth contaminated by hazardous materials ☐ Wastewater is disposed of through a legal connection to the public sanitary sewer
(K)	☐	Generation of electrical power by means of fossil fuels (e.g., power plants)

(LIST CONTINUES ON PAGE 2)

(L)	☐	Production of electronic boards, electrical components, or other electrical equipment ☐ Involves the use, storage, or disposal of hazardous materials ☐ Involves metal plating, degreasing of parts or equipment, or etching operations
(M)	☐	Embalming or crematory services ☐ Involves the use, storage, or disposal of hazardous materials ☐ Wastewater is disposed of through a legal connection to the public sanitary sewer
(N)	☐	Furniture stripping operations ☐ Involves the use, storage, or disposal of hazardous materials
(O)	☐	Furniture finishing operations ☐ Involves the use, storage, or disposal of hazardous materials ☐ Wastewater is disposed of through a legal connection to the public sanitary sewer
(P)	☐	Storage, treatment or disposal of hazardous waste under a RCRA permit
(Q)	☐	Biological or chemical testing, analysis or research ☐ Involves the use, storage, or disposal of hazardous materials ☐ wastewater is disposed of through a legal connection to the public sanitary sewer
(R)	☐	Pest control services which involve the storage, mixing, or loading of pesticides or other hazardous materials
(S)	☐	Photographic finishing ☐ Involves the use, storage, or disposal of hazardous materials ☐ Wastewater is disposed of through a legal connection to the public sanitary sewer
(T)	☐	Production or fabrication of metal products, including metal cleaning or degreasing with industrial solvents, metal plating, or metal etching ☐ Involves the use, storage, or disposal of hazardous materials
(U)	☐	Printing, plate making, lithography, photoengraving, or gravure ☐ Involves the use, storage, or disposal of hazardous materials
(V)	☐	Accumulation or storage of waste oil, anti-freeze or spent lead-acid batteries as part of a recycling facility under a state DEP General Permit
(W)	☐	Production of rubber, resin cements, elastomers, or plastic ☐ Involves the use, storage, or disposal of hazardous materials
(X)	☐	Storage of de-icing chemicals for retail sale or for de-icing parking lots, access drives, etc. ☐ Such chemicals are stored in a weather-tight, water-proof structure
(Y)	☐	Accumulation, storage, handling, recycling, disposal, reduction, processing, burning, transfer or composting of solid waste under a state DEP permit (solid waste facility, landfill, transfer station, composting facility, processing center)
(Z)	☐	Dyeing, coating or printing of textiles; tanning or finishing of leather ☐ Involves the use, storage, or disposal of hazardous materials
(AA)	☐	Production of wood veneer, plywood, reconstituted wood or pressure-treated wood ☐ Involves the use, storage, or disposal of hazardous materials
(BB)	☐	Pulp production processes that involve bleaching

Check here ☐ if none of the activities listed in Part 2 above have been checked off, and proceed to Part 5 below.

PART 3

For each activity checked off in Part 2 that involves the use or storage of hazardous materials, indicate the activity's letter code and which of the following hazardous materials is used/stored as part of that activity.

	Activity Code: _____	Activity Code: _____	Activity Code: _____	Activity Code: _____
Solvents	☐	☐	☐	☐
Heavy metals	☐	☐	☐	☐
Petroleum products (inc. Used Oil)	☐	☐	☐	☐
Pesticides	☐	☐	☐	☐
Fertilizers	☐	☐	☐	☐
Road salt; other de-icers	☐	☐	☐	☐
Other (specify): _____	☐	☐	☐	☐

PART 4

Check off [] all of the statements below that apply to the activities you checked off in Part 2.

- ☐ The activity is conducted at a residence without compensation.

If you checked off more than one activity in Part 2, please indicate the letter code(s) of each activity this statement applies to:

- ☐ The activity involves the on-site use or storage of not more than 2.5 gallons of each type of hazardous material at any one time and the total of all hazardous materials on-site does not exceed 55 gallons at any one time.

If you checked off more than one activity in Part 2, please indicate the letter code(s) of each activity this statement applies to:

- ☐ The activity is an agricultural activity regulated pursuant to Section 22a-354m(d) of the Connecticut General Statutes.

If you checked off more than one activity in Part 2, please indicate the letter code(s) of each activity this statement applies to:

- ☐ The activity satisfies ALL the following conditions:

1. The activity takes place solely within an enclosed building in an area with an impermeable floor.
2. The activity involves no more than 10% of the floor area of the building in which it takes place.
3. Any hazardous material used in connection with the activity is stored in such building at all times.
4. All waste waters generated by the activity are disposed of through a legal connection to the public sanitary sewer.
5. The activity does not involve (i) the repair or maintenance of internal combustion engines, including (without limitation) vehicles or equipment associated with such vehicles, (ii) the underground storage of any hazardous material, or (iii) the above-ground storage of more than 110 gallons of hazardous materials.

If you checked off more than one activity in Part 2, please indicate the letter code(s) of each activity this statement applies to:

- ☐ The activity solely involves the use of lubricating oil and satisfies ALL of the following conditions:

1. The activity does not involve the cleaning of metals with chlorinated solvents at the facility.
2. The activity takes place solely within an enclosed building in an area with an impermeable floor.
3. Any hazardous material used in connection with the activity is stored in such building at all times.
4. The activity does not involve (i) the repair or maintenance of internal combustion engines, including (without limitation) vehicles or equipment associated with such vehicles, (ii) the underground storage of any hazardous material, or (iii) the above-ground storage of more than 110 gallons of such lubricating oil and associated hazardous waste.

If you checked off more than one activity in Part 2, please indicate the letter code(s) of each activity this statement applies to:

- ☐ The activity involves the dispensing of oil or petroleum from an above-ground storage tank or tanks with an aggregate volume of not more than 2,000 gallons and satisfies ALL of the following conditions:

1. The activity takes place solely on a paved surface which is covered by a roof.
2. The above-ground storage tank (or tanks) is a double-walled tank with overfill alarms.
3. All associated piping is either above-ground or has secondary containment.

If you checked off more than one activity in Part 2, please indicate the letter code(s) of each activity this statement applies to:

PART 5

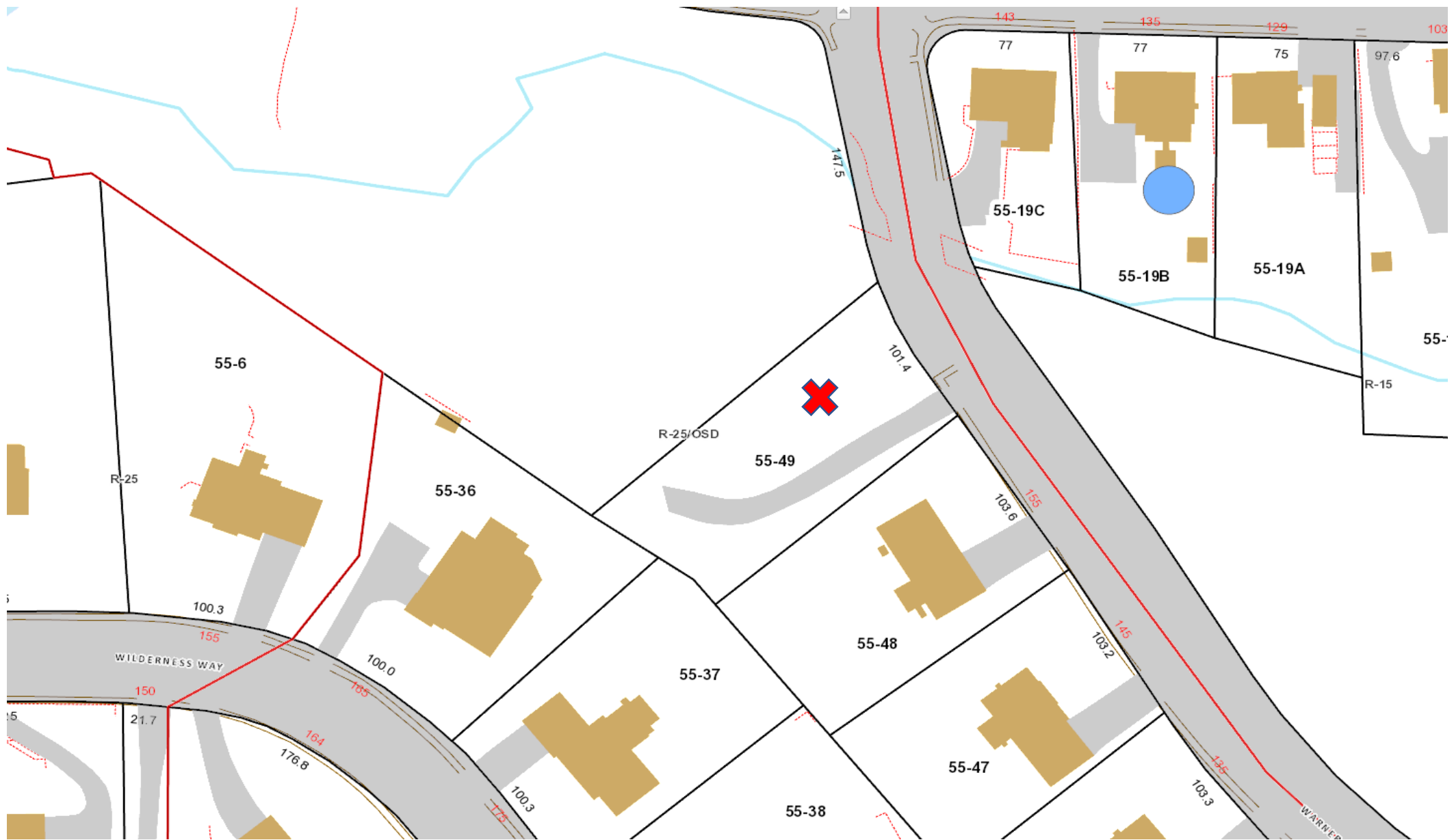
I hereby certify that this form has been completed to the best of my ability and that the information contained herein accurately represents the nature and extent of activities currently being conducted at the business/facility identified in Part 1 above which may be subject to the regulatory requirements of the city's Aquifer Protection Area Program.

Signature

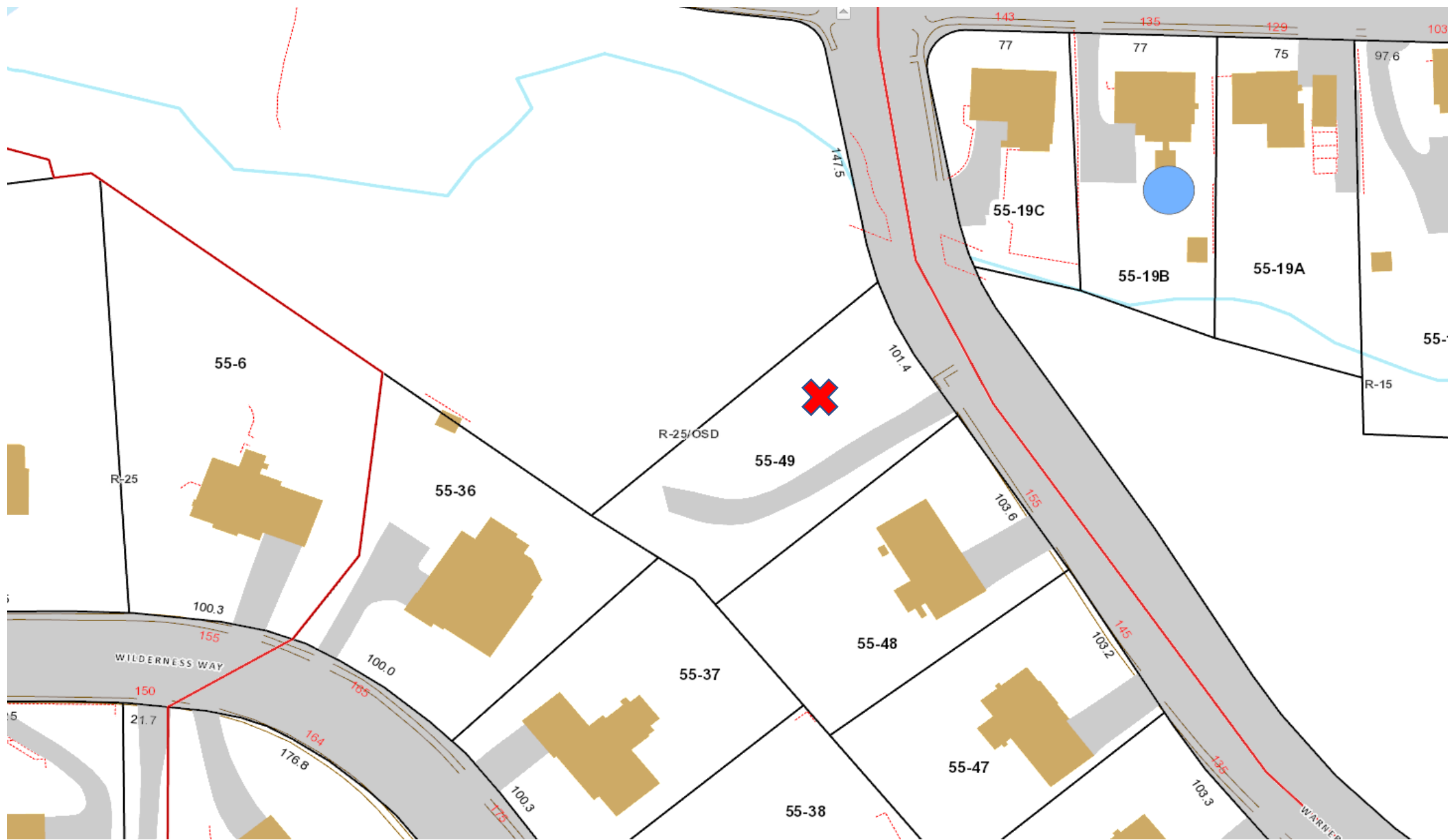
Date



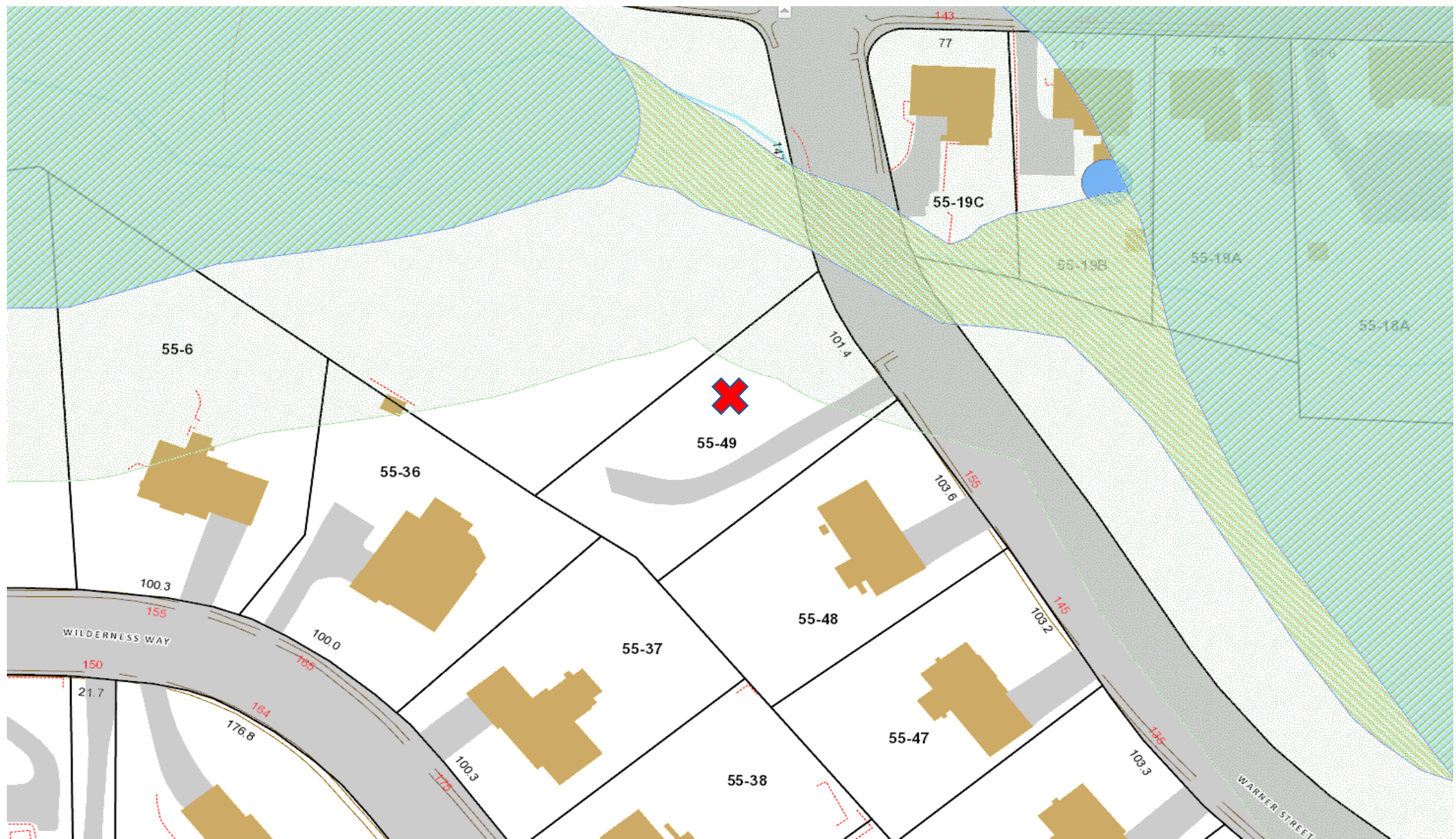
App. 2517 – 165 Warner Street – Map 55 & Lot 49
Aerial View – Bristol GIS



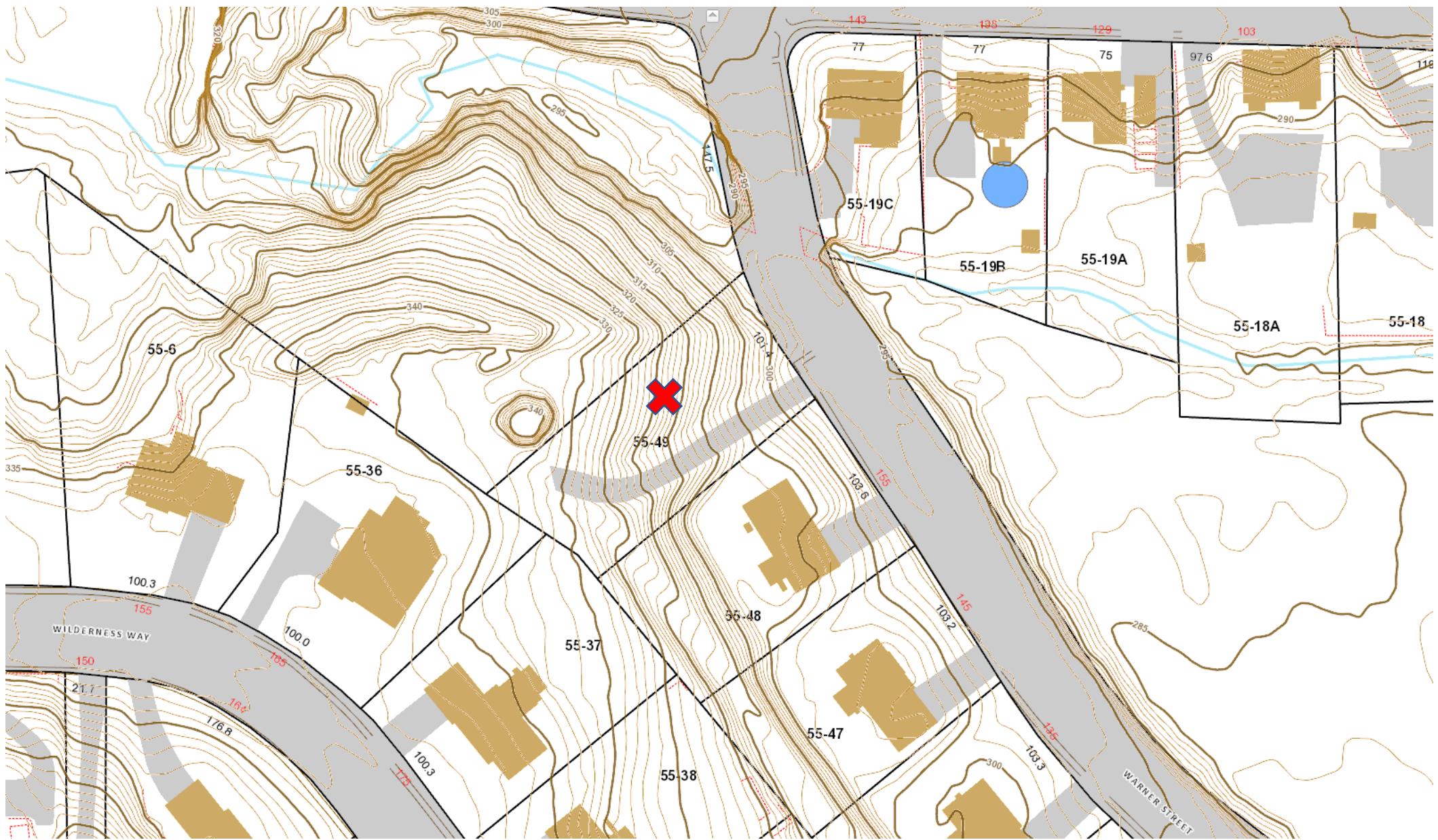
165 Warner Street – Map 55 & Lot 49
Location Map – Bristol GIS



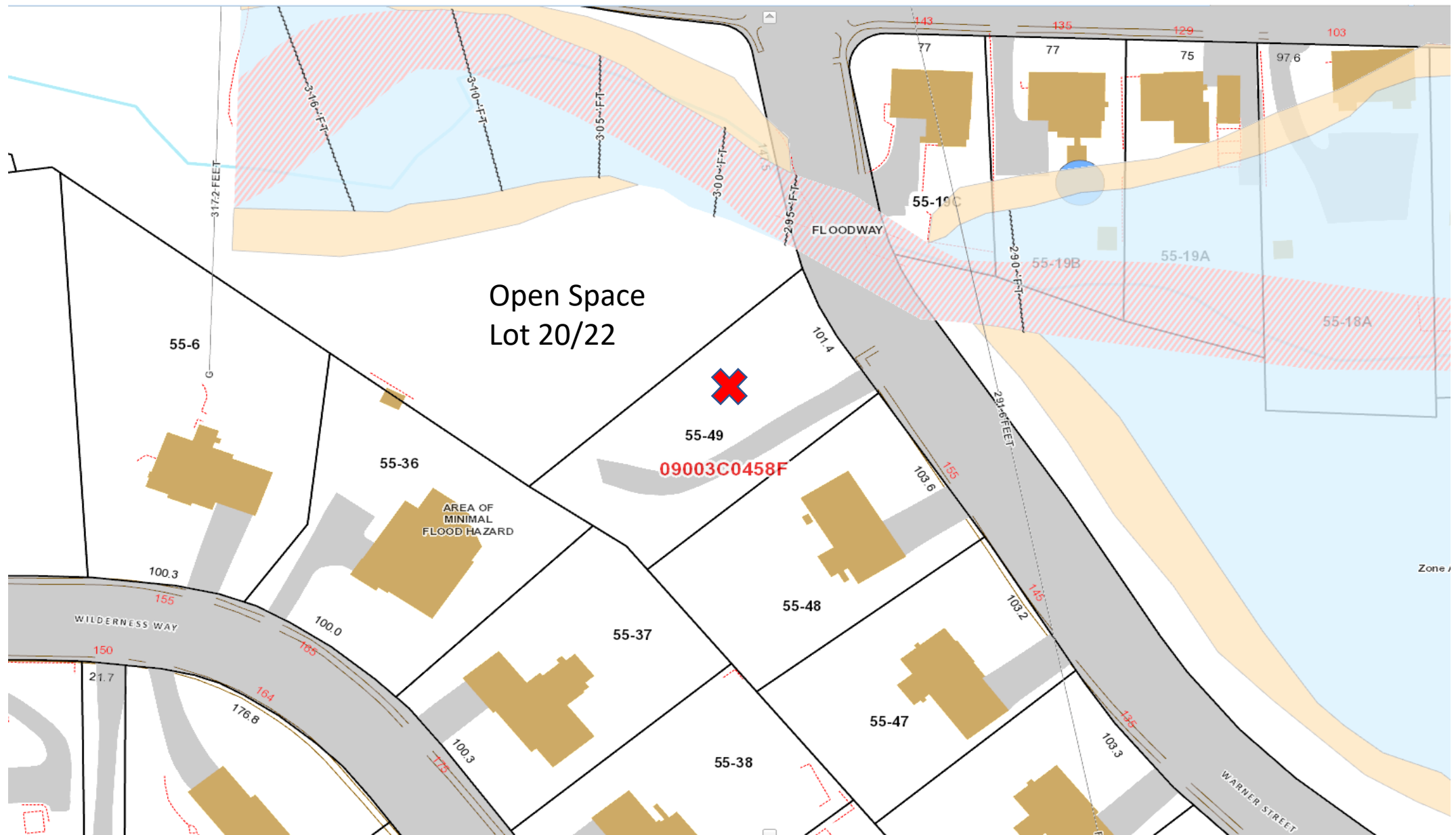
165 Warner Street – Map 55 & Lot 49
Zoning Map (R-25/OSD) – Bristol GIS



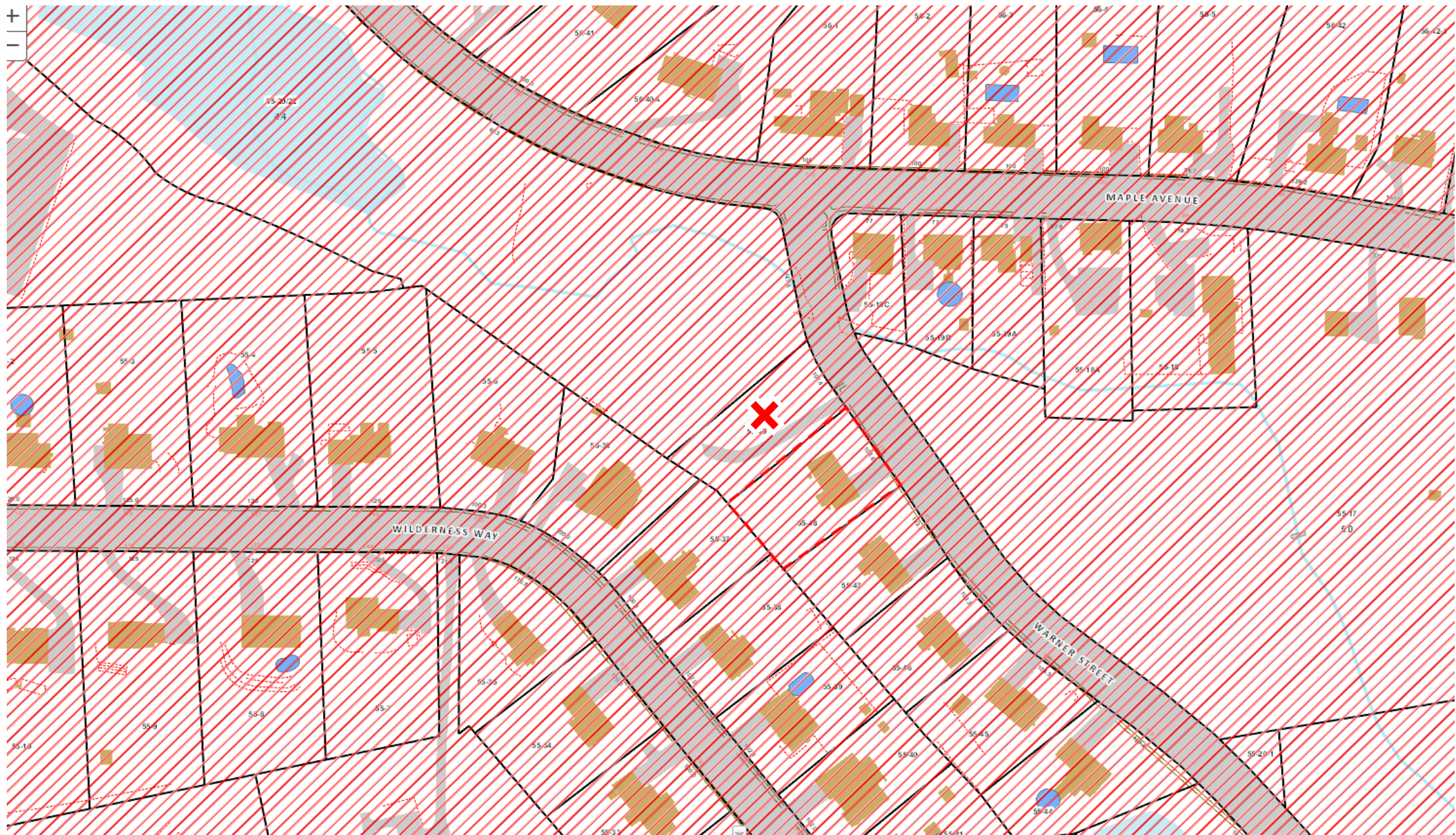
165 Warner Street – Map 55 & Lot 49
Inland Wetlands & Upland Review – Bristol GIS



App. 2517 – 165 Warner Street – Map 55 & Lot 49
Topography –Bristol GIS



App. 2517 – 165 Warner Street – Map 55 & Lot 49
Floodplain – Bristol GIS



App. 2517 – 165 Warner Street – Map 55 & Lot 49
Aquifer Protection – Bristol GIS



App. 2517 – 165 Warner Street – Map 55 & Lot 49
NearMap Aerial – Bristol GIS



App. 2517 – 165 Warner Street – Map 55 & Lot 49
Google Earth Aerial – Bristol GIS

AQUIFER PROTECTION AREA GUIDANCE

Best Management Practices for Temporary Construction and Reconstruction Operations in Aquifer Protection Areas

Issues and Concerns

Potential groundwater quality concerns include stormwater, fuel, and other maintenance chemicals associated with vehicles, machinery, and equipment.

Guidance/Recommendations

For the protection of ground water quality at construction operations in aquifer protection areas, DEEP recommends the following:

Temporary Construction Measures

- Significant fuel, chemical or other hazardous materials storage and handling, including fueling of construction vehicles, should be located outside well field area and aquifer protection area.
- No repair or maintenance of construction vehicles or washing of construction vehicles is permitted within the aquifer protection area.
- Any necessary temporary storage should be aboveground, protected from rainfall, and on an impervious containment surface.
- An emergency spill and response plan should be developed, including coordination with the water supplier.
- The site access should be adequately secured at all times to prohibit any unauthorized disposal of waste materials.

Stormwater Pollution Prevention Measures:

- Ways to minimize pollutant load (sand, salt, etc.) should be examined.
- Deicing management areas should be established including low salt use areas, alternative chemical or sand methods.
- Wellhead protection signs shall be posted in clear visibility of the highway at the entrance and exit points of the aquifer protection area and at ½ mile intervals.

Drainage System Design Criteria:

- Select best management practices from the DEEP stormwater manual based on treatment effectiveness and low groundwater pollution potential.

- Sheetflow and swale collection is encouraged, where possible, outside of immediate well field area.
- Catch basins and curbs should be used in immediate wellhead area to divert and control runoff and spills away from wellhead.
- Dry wells or similar subsurface leaching structures should not be used for stormwater disposal from paved or other areas that have high potential to pollute groundwater; existing structures which have high potential to pollute groundwater should be removed or converted.
- Gross particle/oil separators (swirl concentrator type) may be used for pretreatment of consecutive catch basins. Deep catch basins (minimum 4' deep and tight construction, with baffles, may also be used).
- Stormwater discharge points shall outlet to aboveground land surface or basin type structures. Significant or critical discharge points should have a basin designed with a forebay (tight soil or lined) capable of containing an 8,000-10,000 gallon spill volume and 3-6 feet above water table, 4 feet above bedrock.
- Potential strategic groundwater monitoring should be considered.

For questions or more information, please contact the Aquifer Protection Area Program at 860-424-3040 or visit our website at www.ct.gov/deep/aquiferprotection.

AQUIFER PROTECTION AREA GUIDANCE

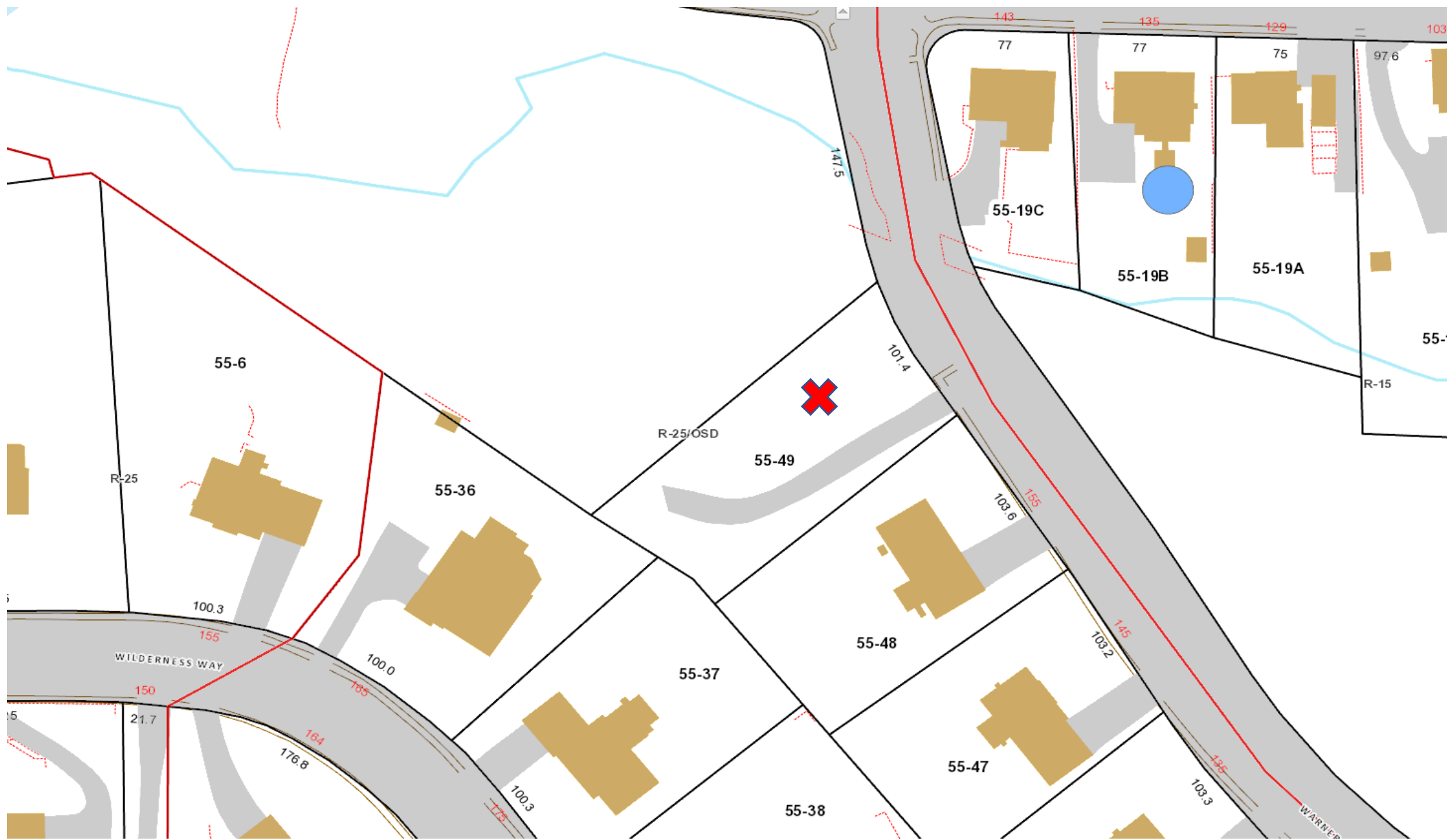
Best Management Practices for Controlling Stormwater from Parking Lots in Aquifer Protection Areas

- (1) Do not use direct infiltration structures (galleries, drywells, trenches) as these do not allow for attenuation of salt or other soluble compounds that may be contained in parking lot runoff.
- (2) Non-structural measures to dissipate and treat runoff are encouraged, including sheetflow from uncurbed pavement and vegetated swales/basins. These provide an opportunity for volatilization of volatile organic compounds to the extent possible before the stormwater can infiltrate into the ground.
- (3) If a stormwater collection system must be installed, it should discharge to an above-ground outlet point (swales, detention/retention basins or surface waters).
 - (a) Any catch basins installed should have deep sumps to trap sediments and hoods to trap oil and grease.
 - (b) If more than 1 acre of pavement drains to a common discharge point, a gross particle separator should also be installed. Advanced designs for gross particle separators have been developed, such as Vortech, Downstream Defender and Stormceptor, that the Department believes are very effective in retaining medium to coarse grained sediments as well as floatables. The last type of separator is designed to treat runoff from areas up to approximately 1 acre in size, while the former two can be sized to accommodate flow from larger areas. It is recommended that the appropriate variety of this or similar type of unit with a cyclonic design be installed in conjunction with each outfall, depending on the size of the drainage area.
- (4) Provisions should be made for the periodic maintenance that will be required to insure continued effectiveness of these control measures.

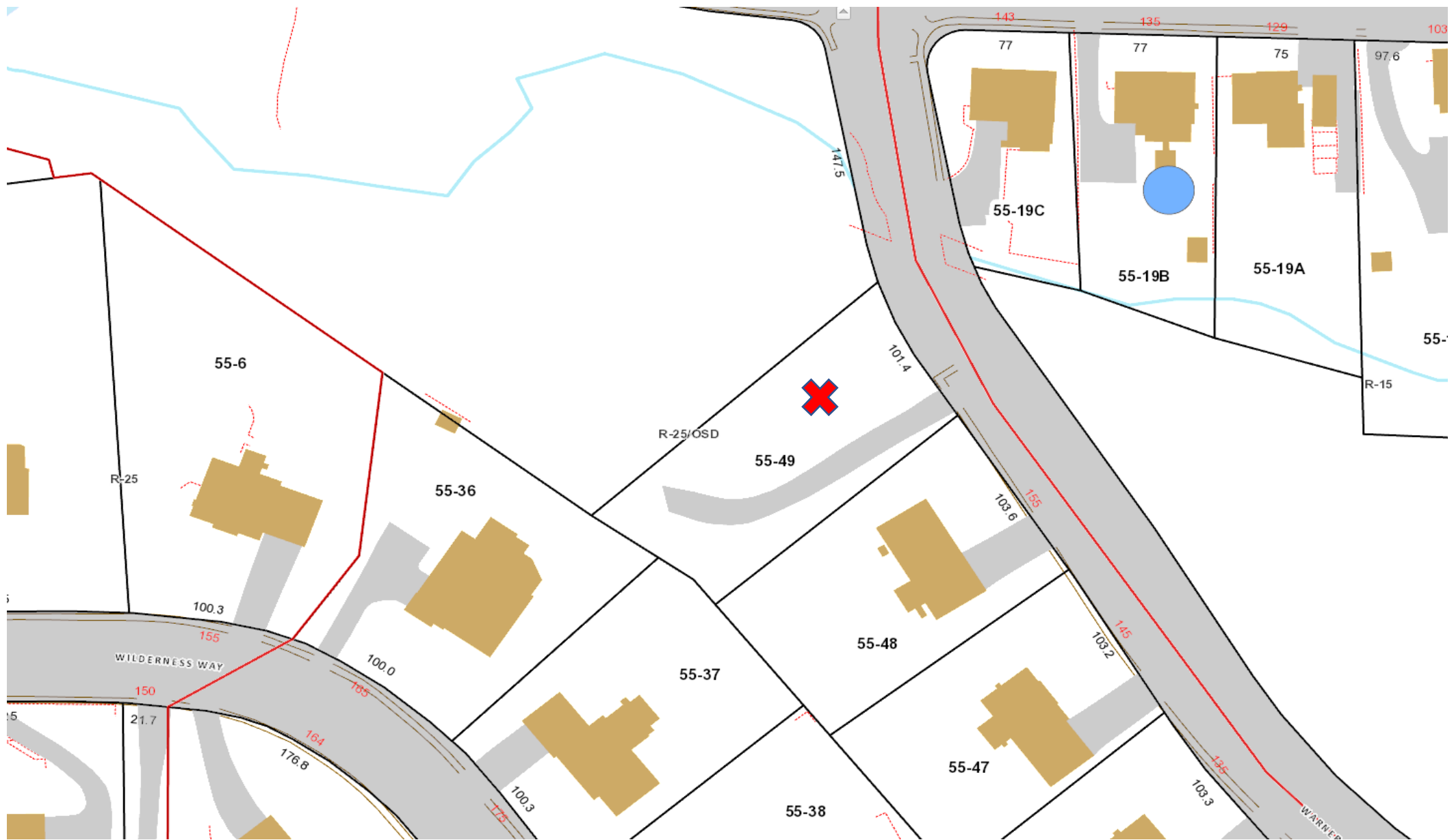
For more information regarding the design of stormwater collection systems, contact Chris Stone of the DEEP's Stormwater Permitting & Enforcement Division at (860) 424-3850.



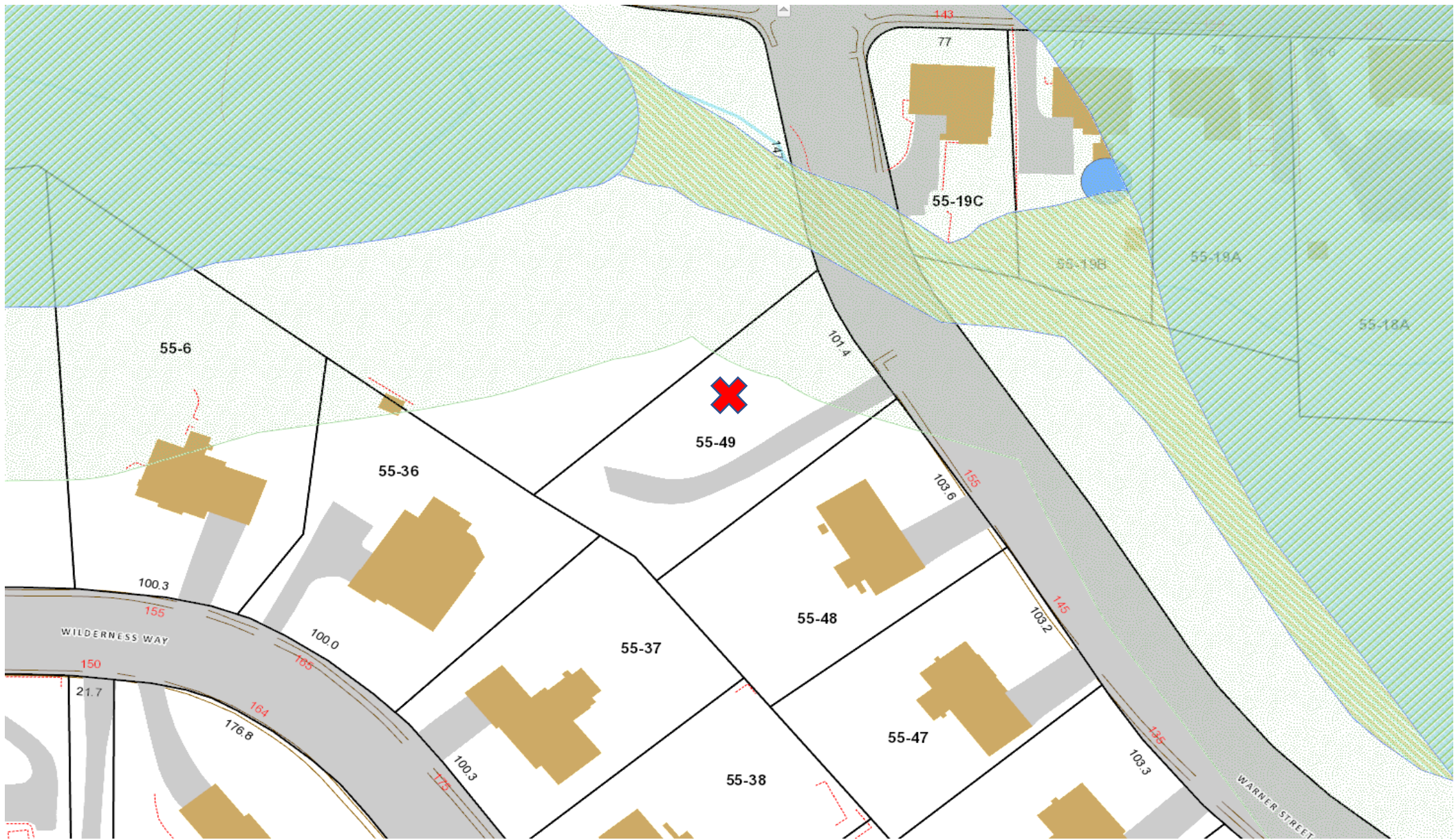
App. 2517 – 165 Warner Street – Map 55 & Lot 49
Aerial View – Bristol GIS



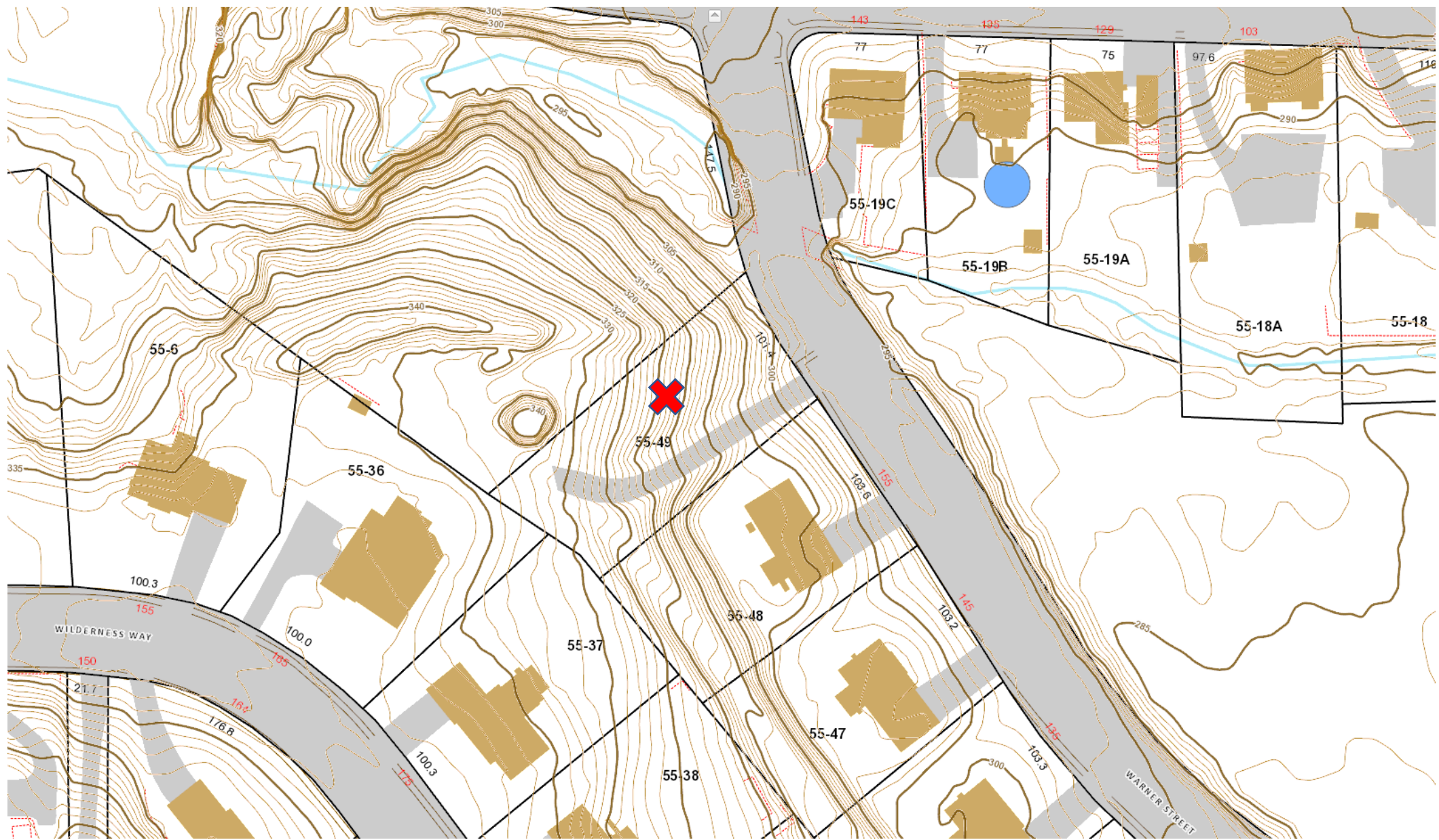
165 Warner Street – Map 55 & Lot 49
Location Map – Bristol GIS



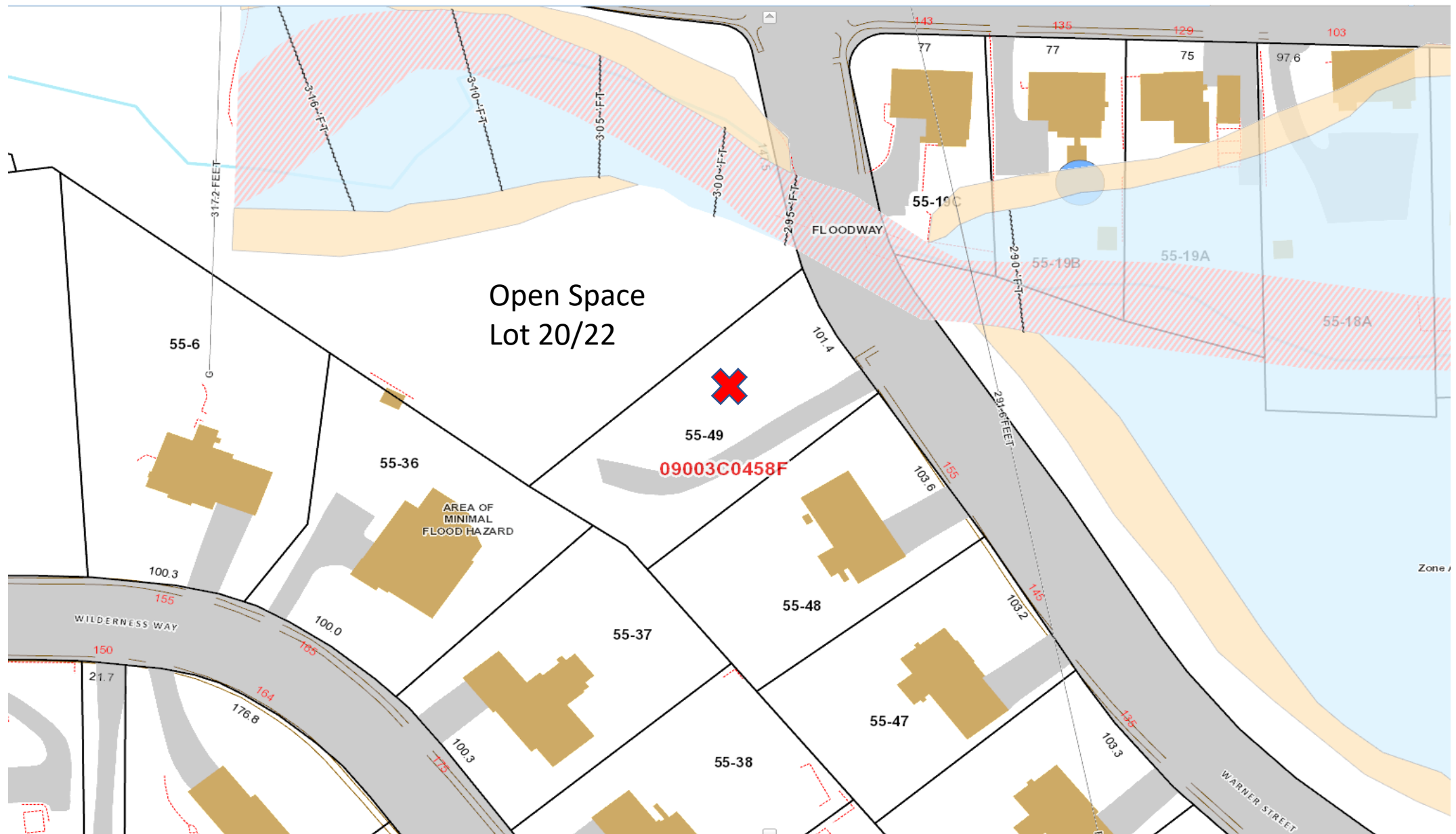
165 Warner Street – Map 55 & Lot 49
Zoning Map (R-25/OSD) – Bristol GIS



165 Warner Street – Map 55 & Lot 49
Inland Wetlands & Upland Review – Bristol GIS



App. 2517 – 165 Warner Street – Map 55 & Lot 49
Topography –Bristol GIS



App. 2517 – 165 Warner Street – Map 55 & Lot 49
Floodplain – Bristol GIS



App. 2517 – 165 Warner Street – Map 55 & Lot 49
NearMap Aerial – Bristol GIS



App. 2517 – 165 Warner Street – Map 55 & Lot 49
Google Earth Aerial – Bristol GIS

NOTES

ASSESSORS MAP 55

LOT 49

ZONE R-25

AREA OF WETLANDS ON PROPERTY - 0.0 Ac

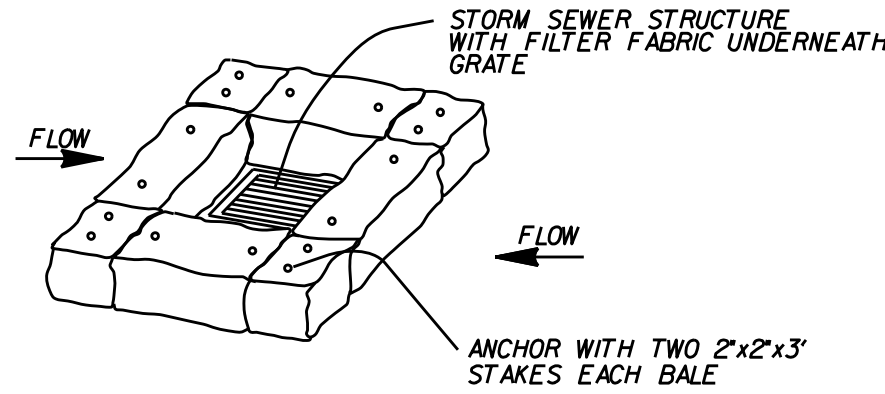
AREA OF WETLANDS DISTURBED - 0.0 Ac

FILL PLACED IN WETLANDS - 0.0 C.Y.

AREA OF ACTIVITY WITH 100' OF WETLANDS - 0.11 Ac

ESTIMATED TOTAL MATERIAL REMOVED FOR PROJECT - 3,800 C.Y.

WETLANDS SHOWN ARE AS DEPICTED ON MAP REFERENCE



HAY BALE INSTALLATION AT CATCH BASINS

CONNECT ALL ROOF LEADERS TO ROOF LEADER DRAIN

PROPOSED 25 L.F. 4" DIA PVC ROOF LEADER DRAIN

INSTALL 1 ROW OF 3-CULTEC RECHARGER 280HD CHAMBERS WITH 1' OF STONE ON THE BOTTOM.

PROVIDE A 4" PVC OVERFLOW.

DO NOT DISTURB MONUMENT
S.M.H. TF=296.4

BM SAN.MH TOP FRAME
ELEV.=296.4
SEWER AS BUILT DATUM

PROPOSED HAYBALE PROTECTION AT CATCH BASIN

PROPOSED LOCATION OF CONSTRUCTION ENTRANCE PAD

PROPOSED BIT.DRIVEWAY

TOGETHER WITH A RIGHT TO GRADE ON LOT 20/22 FOR HOUSE CONSTRUCTION

DRAINAGE CALCULATIONS FOR ROOF RUNOFF DETENTION:

Roof Area = 1980 S.F. X 1/12"/F1 = 165 C.F.

No. of Chambers = 165/70.53 C.F./Chamber = 2.3 Chambers - Say 3 Chambers

ZONING LOCATION SURVEY
PLOT PLAN FOR HOUSE
ASSESSORS LOT 49
PREPARED FOR
DB HOMES, LLC
WARNER STREET
BRISTOL, CONN.

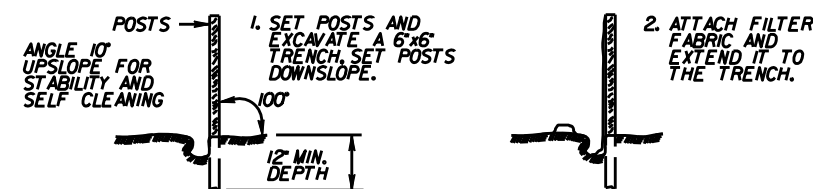
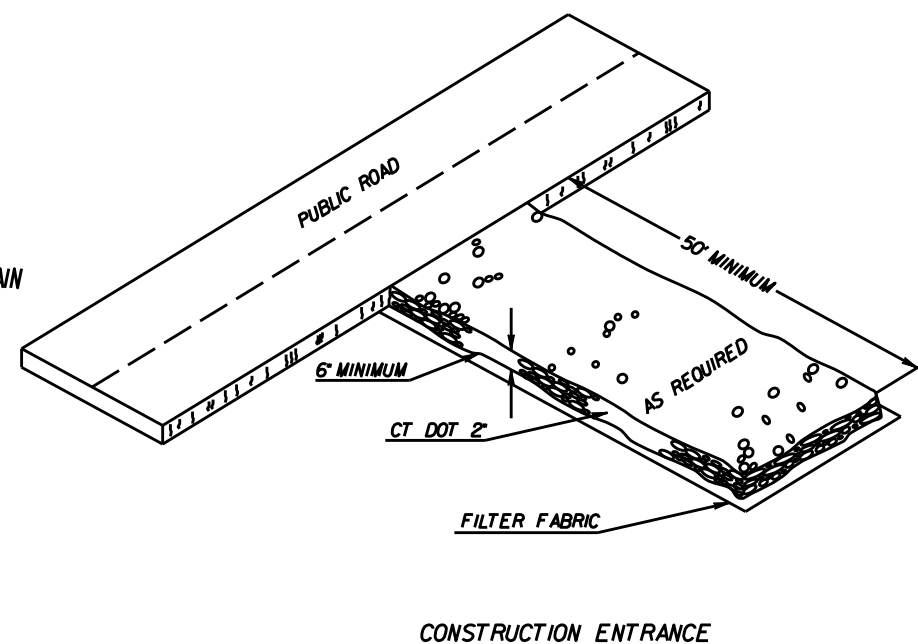
SCALE 1" = 20' DECEMBER 9, 2024

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- 000.0 EXISTING SPOT ELEVATION
- 000.0 PROPOSED SPOT ELEVATION
- BUILDING SETBACK LINE
- WETLAND LIMIT
- EXISTING SEWER MAIN
- PROPOSED SEWER LATERAL
- EXISTING WATER MAIN
- PROPOSED WATER SERVICE
- PROPOSED 6" PVC ROOF LEADER AND FOUNDATION DRAIN
- PROPOSED SEDIMENTATION CONTROL FENCE
- PROPOSED ELECTRIC SERVICE

MAP REFERENCE:

SUBDIVISION OF LOTS 20 & 22 AND A PORTION OF LOT 21 AND
RESUBDIVISION OF LOT 6 WARNER STREET BRISTOL, CONNECTICUT
TO BE DEVELOPED BY DANIEL P. SUTULA SCALE 1" = 40'
Rev. To 10-7-96 LEPORE ASSOCIATES, INC.



PLACEMENT AND CONSTRUCTION OF A SYNTHETIC FILTER BARRIER

SURVEYOR'S NOTES

THIS SURVEY AND MAP HAVE BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTION 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996.

IT IS A PROPERTY SURVEY BASED ON A DEPENDENT RESURVEY AND CONFORMS TO A HORIZONTAL ACCURACY CLASS A-2 AND A TOPOGRAPHIC SURVEY ACCURACY CLASS T-2.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

JOSEPH M. GREEN P.E.
REG. NO. 0026292

