



City of New Bedford

Department of Planning, Housing & Community Development

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PATRICK J. SULLIVAN
DIRECTOR

STAFF REPORT

PLANNING BOARD MEETING

September 14, 2016

Case # 30-16: SITE PLAN REVIEW
Hathaway Collision Center
167 Potter Street
Map 82, Lots 108

Applicant/

Owner: Robert. E. Hathaway, Jr.
Hathaway Collision Center
175 Potter Street
New Bedford,, MA 02740

Applicant's

Agent: Field Engineering Co.
11 D Industrial Drive
P.O. Box 1178
Mattapoisett, MA 02739



Overview of Request

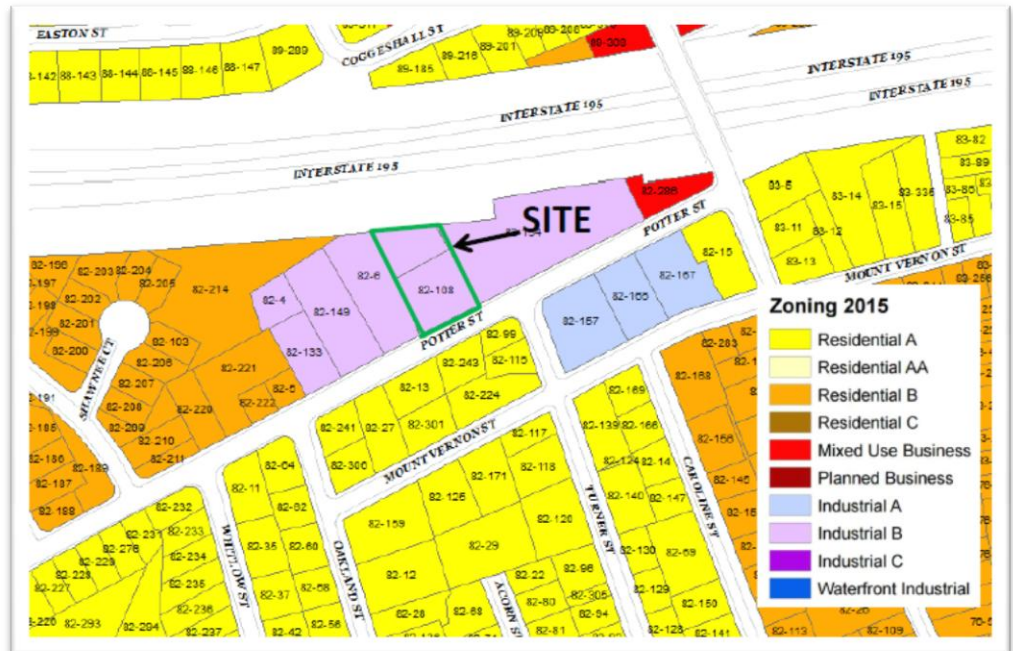
Applicant seeks Site Plan approval for new construction of a 100 foot by 70 foot steel structure, for expansion of an auto body repair business, on a 15,006 +/- SF parcel, located at 167 Potter Street (Map 82, Lot 108), in the Industrial-B zoning district. The proposed eighteen (18) +/- foot high, 7,000 SF motor vehicle body repair and light service use is allowed in the Industrial B zoning district by Special Permit from the City Council under **§5310**.

The applicant states he is in the process of concurrently filing for this permit with Council. The Planning Board is charged with reviewing the site plan for approval under **§5400 of Chapter 9-Comprehensive Zoning** and providing a recommendation to the New Bedford City Council in this matter. The Board's review in this matter is required "in order to promote the health, safety and general welfare of the community" in this detailed review of the site development.

Existing Conditions

According to the company web site, Hathaway Collision Center provides comprehensive collision repair service for motor vehicles which includes: suspension and brake service, on-site rental car arrangements to assist clients during the duration of auto collision repair work, minor mechanical services, glass replacement, complete vehicle refinishing, air conditioning repair, frame and unibody alignment, laser measuring of motor vehicles for damage repair to factory specifications, paint-less dent repair, and 24 hour towing service.

An existing 621+/- steel structure currently occupies the land and previously accommodated the needs of former tenant Whaling City Cable T.V. The applicant intends to demolish the existing fifteen (15) +/- foot high site structure to expand Hathaway Collision Center currently located at the 167 Potter Street subject parcel (Map 82, Lot 6). An Approval Not Required (ANR) Plan of Land was recorded at the New Bedford Registry of Deeds on 04/06/2016 adjusting the lot line at Map 82, Lot 6 and Map 82, Lot 108 to create Lots 1 (175 Potter Street) and 2(167 Potter Street) respectively (Attachment 2). Lot 2 now consists of 26, 285+/- SF. Assessors parcel maps have not caught up with the lot line adjustment under the ANR plan and so reflect the land area as having 15,006 +/- SF.



The site is located along the north side of Potter Street, west of Shawmut Street, and south of the Interstate 195 right-of-way. Bituminous pavement bound by granite curbing fronts these parcels as sidewalk. Three curb cuts from Potter Street provide vehicular access to the parcels for internal circulation. Chain link fence topped with barbed wire runs along the Potter Street frontage of the two parcels comprised by 167 and 175 Potter Street. A healthy hedgerow buffers the neighboring west parcel located at 183 Potter Street.

The proposed business expansion site is surrounded by a residential neighborhood exemplifying pride of ownership. The adjacent business entity immediately to the east along Potter Street is Sharrock's English Bakery and Deli.

Proposed Conditions

The purpose of the proposed building is to increase efficiency by providing additional covered work space for cars that are undergoing repair but may be awaiting parts, and are therefore moved to the surface lot so other cars may be serviced inside the covered structure. City code defines **Motor vehicle body repair as an establishment, garage or work area enclosed within a building where repairs are made or caused to be made to motor vehicle bodies, including fenders, bumpers and similar components of motor vehicle bodies or fuel sales.** (Current zoning does not permit open air vehicle repair.)

Stormwater will be mitigated by a subsurface infiltration system. Runoff from roof drains will be discharged into the subsurface roof drain recharge system located on-site. Storm water from the remaining developed portion of the site will flow unattenuated off-site as is the currently practice. A stormwater management system has been designed to accept and treat the projected stormwater flow due to development, in accordance with the current Department of Environmental Protection (DEP) Stormwater Management Standards. As part of the DEP Stormwater Management Standards and Regulations, DEP is requires Low Impact Development (LID) measures to be considered in the design of projects. According to the Stormwater Management System Report for the

proposed site development, the applicant states this project does make use of certain LID measures, which includes minimizing the amount of additional impervious area on the site, and proposed subsurface recharge system that will promote recharge to the groundwater.

Portions of the gravel parking lot will be paved increasing impervious surface. The site gently rolls northwest toward the right-of-way of I-195, away from Potter Street. An assumed datum of 98.30 feet was applied, with elevation at the south side of Potter Street, and noted on Existing Conditions EC-1. Planning division Site Plan Review Application Checklist requires that benchmark locations be based on USGS NGVD and that the year be shown on plans submitted for consideration. The Watershed Plan presented by the applicant in the Stormwater Management System Report does not illustrate sheet flow of the water's movement. As this site had been heavily vegetated prior to paving, and given the nature of the business in serving motor vehicles that may have sustained damage to the auto engine, the Planning Board may wish to consider having the applicant provide a better defined stormwater mitigation plan to monitor and protect the subsurface water quality from auto pollutants.

The Stormwater Management System Report may be found at this link:

http://3t848o30ike211t7x11nzgxi.wpengine.netdna-cdn.com/planning/wp-content/uploads/sites/46/planning-board-meeting-postings/2016/091416/Case-30-16_167-Potter-St_Hathaway-Collision-Center_Stormwater-Report.pdf



The proposed 7,000 +/- SF structure will occupy approximated 26% of the land area. By right, an applicant is allowed to have 50% of the lot in the I-B area covered by buildings. If the overall site is 26, 130 +/- SF and 7,000 is covered by the structure, we have 19, 130 SF remaining. Of the remaining 19, 130 SF +/-, 20% must be Green Space. The Site Layout & Landscape plan sheet SL-1 illustrates 400 +/- SF of landscape plantings consisting of a staggered row of arborvitae, but 3,826 SF is needed to satisfy the minimum required Green Space as per ordinance. Given the surrounding residential context, the Planning Board may wish to condition any approval with a requirement for a more robust landscaping plan to satisfy the purpose, objectives, and requirements of §3300. **Screening and Landscaping.**

The business expansion expects to staff ten (10) employees with business hours of operation between 7:00 a.m. and 5:00 p.m. Monday thru Saturday. Daily deliveries will be scheduled during operating hours. As stipulated under ordinance at §17-15 (b) the applicant shall subscribe to quiet hours between 10:00 p.m. and 7:00 p.m. On-site utilities from the former cable business are available for the collision repair business expansion.

The proposed use requires eighteen (18) parking spaces, which are shown on Site Layout and Landscaping Plan sheet SL-1 with parking dimensions in conformance with regulations. However, aisle width at the east elevation of the building does *not* meet the stipulations of twenty-two (22) feet. For public safety reasons, the applicant should confer with the Fire Department and receive the Fire Marshall's sign off of the circulation plan. It is assumed that loading will occur inside the structure.

Omitted from this plan sheet is ADA parking for clients/customers. One ADA compliant space should be illustrated on the site plan to satisfy **521 CMR 23.00: PARKING AND PASSENGER LOADING ZONES**.

Appendix C-Table of Parking & Loading Regulations

USE	PARKING REQUIREMENTS	LOADING REQUIREMENTS
Businesses engaged in retail sale, rental, repair, servicing, storage and distribution of motor vehicles, trailers, campers, boats, furniture or building materials.	One (1) space per each 400 sq. ft. of gross floor area, but not less than two (2) spaces for each business use intended to occupy the premises.	One loading space for each building containing more than 5,000 and less than 10,000 sq. ft. of gross floor area. Thereafter, one (1) additional loading space shall be required for each additional 25,000 sq. ft. of gross floor area.

The applicant has not provided a time line for completion for the proposed project, as stipulated under §5452.

Site Plan Review

The submittal is named on the Title Sheet as: Proposed Site Development Hathaway Collision Center, 167 Potter Street, New Bedford, MA, Assessors Map 82, Lot 108, dated August 12, 2016, prepared for Hathaway Collision Center, 175 Potter Street, New Bedford, MA 02740, as prepared by Field Engineering Co., Inc., 11 D Industrial Drive, P.O. Box 1178, Mattapoisett, MA 02739, consisting of six (6) sheets.

and

Architectural Plans – Frame Cross Section Plan for Bob Hathaway dated 06/16/2016 as prepared by Package Steel Systems, Inc and Anchor Bolt Plan for Bob Hathaway dated 06/16/2016 prepared by Package Steel Systems, Inc.

- The architectural plans have not been stamped or signed; staff recommends the applicant be reminded of the requirement to have the plans stamped by a registered architect as stipulated under §5440 of the city's zoning ordinance.

Cover Sheet – Sheet 1 of 6

Notes & Details – N-1 – Sheet 2 of 6

- Staff recommends the applicant be required to change all 'Hay' references to 'Straw'.

Existing Conditions – EC-1 - Sheet 3 of 6

Site Layout & Landscaping – SL-1 – Sheet 4 of 6

Site Grading & Utilities – SGU – 1 – Sheet 5 of 6

Sediment & Erosion Control – EROS – 1 Sheet - 6 of 6

- Plans calls out a Hazard Note that states: *“Notify City of New Bedford to inspect catch basin brick under frame washed out possible collapse with truck traffic”*. The Board may wish to have the applicant elaborate on this comment.

Review Comments

Plans for site plan review approval were distributed to City Clerk, City Solicitor, Health Department, Inspectional Services, Engineering, Public Infrastructure, Conservation Commission, Fire Department and School Department offices.

Outside of this, no further comments from city offices were received by the time of this report’s completion.

Master Plan Goal:

The application for site plan approval under consideration by the Planning Board as part of the development proposal by Hathaway Collision Center meets the criteria set forth under *A City Master Plan: New Bedford 2020* in that the proposal supports existing business as part of the strategic approach for economic development.

Staff Recommendation:

Because the proposed business expansion may impact the quiet enjoyment of the abutting Residence A & B zoning districts, the Board may wish to remind the applicant of the standards set forth under **§3300 and Appendix B** of the Zoning Code whereby Green Space in the Industrial B zoning district must comprise a minimum of 20% of the site. To this end a revised landscape buffering plan with landscape schedule should be presented for the Planning Board’s review and consideration. The Board may wish to consider the extent to which the landscape buffer will provide a suitable boundary and separate the incompatible land uses from each other, provide visual relief from the cars under repair, preserve the visual and environmental character of New Bedford as viewed from the residential neighbors, and to offer residential property owners protection against diminution of property values due to this adjacent non-residential use.

Staff recommends that the Board request a better defined stormwater mitigation plan to monitor and protect the subsurface water quality from auto pollutants.

As this commercial business is adjacent to a residential zone, the Planning Board may wish to require the applicant to provide a Lighting Plan to illustrate the location of site illumination.

Having reviewed this request, the existing character of surrounding properties and thresholds required for Site Plan application, staff recommends approval of this case submittal to include the following conditions:

1. That the planning board require that the applicant provide a better defined stormwater mitigation plan to monitor and protect the subsurface water quality from auto pollutants.
2. That the erosion & sedimentation control program utilize straw rather than hay materials, and plan notes be revised to replace references of “hay” with “straw”.
3. That the applicant strictly adhere to the Stormwater Management System Operation and Maintenance Plan notes found on Notes & Detail plan sheet N-1.
 - Among these Notes & Details found on plan sheet N-1, the applicant is reminded he is responsible to sweep the driveway and paved parking at least twice per year and,
 - That Best Management Practices be conducted annually for the Roof Drain Recharge System, and
 - That Note number 5 be corrected for clarification.
4. That a Lighting Plan be presented for review and approval by the Planning Board or its agent the Acting City Planner.

5. That a revised Landscape Plan be presented for approval by the Planning Board or its agent the Acting City Planner.
6. That Architectural Elevation drawings signed by the consulting architect be presented for review and approval by the Planning Board or its agent the Acting City Planner.
7. That the plans be revised to show benchmark locations based on USGS NGVD, with year, as required by the Planning division Site Plan Review Application Checklist .
8. That one ADA compliant space should be illustrated on the site plan to satisfy 521 CMR 23.00: PARKING AND PASSENGER LOADING ZONES.
9. Aisle width at the east elevation of the building does not meet the stipulations of twenty-two (22) feet. For public safety reasons, the applicant should confer with the Fire Department and receive written approval of the proposed circulation plan.

Attachments:

1. New Bedford Planning Board Site Plan Review Petition which includes:
 - A. Site Plan Review Application
 - B. Site Plan Review Application Checklist
 - C. Certified Abutters List
 - D. Proof of Ownership
 - E. Narrative
 - F. Aerial Plan of Project Site
 - G. Property Photographs
 - H. Architectural Drawings
 - I. Building Permit Rejection Package
 - J. Proposed Site Development Plans
2. Approval Not Required Plan of Land Recorded at Bristol County Registry of Deeds Book 174/ 22
3. Stormwater Management System Report





CITY OF NEW BEDFORD
JONATHAN F. MITCHELL, MAYOR

CITY CLERKS OFFICE
NEW BEDFORD, MA

PLANNING BOARD

2016 AUG 12 12:53

CITY CLERK

SUBMIT TO:
Planning Department
133 William Street
Room 303
New Bedford, MA 0274

SITE PLAN REVIEW APPLICATION

The undersigned, being the Applicant, seeks Site Plan Approval for property depicted on a plan entitled: Proposed Site Development Plans by: Field Engineering Co., Inc. dated: 8/12/16

1. Application Information

Street Address: 167 Potter Street

Assessor's Map(s): 82 Lot(s) 108

Registry of Deeds Book: 10742 Page: 275

Zoning District: IB

Applicant's Name (printed): Hathaway Collision Center, c/o Bob Hathaway

Mailing Address: 175 Potter Street New Bedford MA 02740
(Street) (City) (State) (Zip)

Contact Information: (508) 993-1582 bob@hathawaycollision.net
Telephone Number Email Address

Applicant's Relationship to Property: ☒ Owner ☐ Contract Vendee ☐ Other

List all submitted materials (include document titles & volume numbers where applicable) below:

Site Plan Review Checklist
Site Plan Review Application/Abutters List/Deed/Other Documentation
Proposed Site Development Plans
Stormwater Management System Report
Filing Fee Check

By signing below, I/we acknowledge that all information presented herein is true to the best of my/our knowledge. I/we further understand that any false information intentionally provided or omitted is grounds for the revocation of the approval (s). I/we also give Planning Department staff and Planning Board Members the right to access the premises (both interior and exterior) at reasonable times and upon reasonable notice for the purpose of taking photographs and conducting other visual inspections.

8/11/16
Date

Bob Hathaway
Signature of Applicant

City Hall • 133 William Street • Room 303 • New Bedford, MA 02740 • www.newbedford-ma.gov
PH: (508) 979-1488 • FX: (508) 979-1576

2. Review Applicability (Check All That Apply to Your Proposal)

Category

- ☐ Residential
☒ Commercial
☐ Industrial
☐ Mixed (Check all categories that apply)

Construction

- ☐ New Construction
☐ Expansion of Existing
☐ Conversion
☐ Rehabilitation

Scale

- ☐ < 2,000 gross sq feet
☒ > 2,000 gross sq feet
☐ 3 or more new residential units
☐ 1 or more new units in existing res. multi-unit
☐ Drive Thru Proposed
☐ Ground Sign Proposed
☐ Residential Driveway With > 1 curbcut

3. Zoning Classifications

Present Use of Premises: Garage Storage

Proposed Use of Premises: Automotive Body Repair

Zoning Relief Previously Granted (Variances, Special Permits, with Dates Granted):

N/A

4. Briefly Describe the Proposed Project:

Applicant proposes to construct a 7,000-SF pre-fabricated metal building on an existing lot next to their existing auto body repair facility. The proposed building will be serviced by existing utilities currently serving a pre-existing building on the property.

5. Please complete the following:

	Existing	Allowed/Required	Proposed
Lot Area (sq ft)	26,130	0	26,130
Lot Width (ft)	125	0	125
Number of Dwelling Units	N/A	N/A	N/A
Total Gross Floor Area (sq ft)	621	-	7,000
Residential Gross Floor Area (sq ft)	N/A	N/A	N/A
Non-Residential Gross Floor Area (sq ft)	621	-	7,000
Building Height (ft)	<15	100	18±
Front Setback (ft)	71.8	25	61.7
Side Setback (ft)	56.2	25	28.3
Side Setback (ft)	37.1	25	28.4

Rear Setback (ft)	103.3	25	26.5
Lot Coverage by Buildings (% of Lot Area)	2.4%	50%	26.8%
Permeable Open Space (% of Lot Area)	95%	20%	63.4%
Green Space (% of Lot Area)	95%±	20%	63.4%
Off-Street Parking Spaces	30±	18	18
Long-Term Bicycle Parking Spaces	-	-	-
Short-Term Bicycle Parking Spaces	-	-	-
Loading Bays	0	1	2

6. Please complete the following:

	Existing	Proposed
a) Number of customers per day:	<u>5-10</u>	<u>5-10</u>
b) Number of employees:	<u>8</u>	<u>10</u>
c) Hours of operation:	<u>7AM-5PM</u>	<u>7AM-5PM</u>
d) Days of operation:	<u>6 Days</u>	<u>6 Days</u>
e) Hours of deliveries:	<u>7AM-5PM</u>	<u>7AM-5PM</u>
f) Frequency of deliveries:	<input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> Other: _____	

7. Planning Board Special Permits:

☐ The applicant is also requesting a Special Permit from the Planning Board.

N/A Specify the requested Special Permit(s) below, and set forth within attached Development Impact Statement how the request meets approval criteria listed in §5320 of the zoning code.

8. ZBA Variances and Special Permits:

NOTICE: Checking below does not constitute application for a special permit or a variance. The applicant must also file the proper application form and fee with the Zoning Board of Appeals.

☒ The applicant is also requesting a special permit from the ZBA: (CITY COUNCIL)

Specify zoning code section & title

2200 Use Regulations

☐ The applicant is also requesting a variance from the ZBA:

N/A Specify zoning code section & title

9. OWNERSHIP VERIFICATION

This section is to be completed & signed by the property owner:

I hereby authorize the following Applicant: Hathaway Collision Center

at the following address: 175 Potter Street

to apply for: Site Plan Review

on premises located at: 167 Potter Street

in current ownership since: 4/12/13

whose address is: 175 Potter Street

for which the record title stands in the name of: Robert Hathaway Jr. c/o Hathaway Collision Center

whose address is: 175 Potter Street

by a deed duly recorded in the:

Registry of Deeds of County: Bristol Book: 10742 Page: 275

OR Registry District of the Land Court, Certificate No.: _____ Book: _____ Page: _____

I/we acknowledge that all information presented herein is true to the best of my/our knowledge. I/we further understand that any false information intentionally provided or omitted is grounds for the revocation of the approval(s). I/we also give Planning Department staff and Planning Board Members the right to access the premises (both interior and exterior) at reasonable times and upon reasonable notice for the purpose of taking photographs and conducting other visual inspections.

8/10/16

Date

Robert E. Hathaway

Signature of Land Owner (If authorized Trustee, Officer or Agent, so identify)



Site Plan Review Application Checklist

In order for the City of New Bedford Planning Board to accurately review your project in a timely manner, plan sets submitted with applications must be complete and thorough. A comprehensive understanding of this handout and submittal of all required documents and plans ensures an efficient review of your project.

Unless otherwise noted or determined by Planning Division Staff to not be required, the following information and drawings must be included in the submittal package for your application. For an application to be accepted, each and every item is required at the time of application submittal.

In certain instances, plans, or portions of plans, may be waived when not applicable for the review of a particular type of development, at the discretion of the City Planner. Requests for any such waiver(s) must be submitted, in writing, to Planning Division for consideration prior to application submittal.

All submitted materials must be legible, organized & bound (where appropriate) in a manner that allows for distribution of all proposal materials as 1 package. Please utilize double-sided printing for submitted reports, studies and statements when possible.

Initials Indicate
Item Submitted.

For subparts of the required plans, please mark as follows:

☒ = Shown on Plans ☐ W = Waiver Requested ☐ NA = Not Applicable

Staff Applicant

☒

1. **Completed Application Form** (with all required signatures; 1 Original & 15 Copies)

☒

2. **Completed Site Plan Review Application Checklist** (1 original & 15 copies)

☒

3. **Plans**

- ☒ Four (4) stapled and folded sets of full-sized plans (24" x 36") and Twelve (12) sets of reduced plans (11" x 17") are required for all applications. Staff reserves the right to require additional copies.
- ☒ One (1) electronic copy (PDF & CAD) of all proposed activity plans (See Section 10 of Checklist for Requirements)
- ☒ All plans oriented so that north arrow points to top of sheet
- ☒ Plans shall be drawn at a minimum scale of 1" = 40' or less
- ☒ All plans shall be stamped by Commonwealth of Massachusetts-registered Professional Engineer, Professional Land Surveyor, and/or Professional Landscape Architect, as appropriate
- ☒ Plan sets shall be comprised of separate sheets as listed below unless otherwise approved by the City Planner
- ☒ All plans shall have a title block comprised of the following: Project Title, Sheet Title, Sheet Number; Registrant Stamp (i.e. PE, PLS, LA); Registrant's name and address; Street addresses of the project area parcels; Scale at which the plan is drawn; Plan Issue Date; and all plan revision dates (with corresponding revision descriptions).

Staff **Applicant**

X

3a. Cover Sheet, to include the following information:

☒ **Title Block**

- | | |
|--|---|
| <input type="checkbox"/> Project name/title | <input type="checkbox"/> Name and address of Engineer / Architect / Landscape Architect |
| <input type="checkbox"/> Assessor's map and parcel number(s) | <input type="checkbox"/> Name and address of developer |
| <input type="checkbox"/> Registry Book and Page | <input type="checkbox"/> Revision Date Block |
| <input type="checkbox"/> Name and address of property owner | <input type="checkbox"/> Street Number and/or Lot Number |

☒ **Zoning Requirements Table (Indicate Required vs. Provided)**

- | | |
|---|---|
| <input type="checkbox"/> Zoning District | <input type="checkbox"/> Compact Parking Spaces |
| <input type="checkbox"/> Lot Area | <input type="checkbox"/> Accessible Parking Spaces |
| <input type="checkbox"/> Lot Frontage | <input type="checkbox"/> Van Accessible Parking Spaces |
| <input type="checkbox"/> Front, Side & Rear Setbacks of Buildings and Parking Areas | <input type="checkbox"/> Screening Buffers |
| <input type="checkbox"/> Building Height | <input type="checkbox"/> Percentage of Lot that is Upland |
| <input type="checkbox"/> Lot Coverage | <input type="checkbox"/> Total Square Footage of Upland |
| <input type="checkbox"/> Green Space | |
| <input type="checkbox"/> Off-Street Parking Spaces | |

- ☒ **Locus Map** (At a scale of 1 inch = 100 feet, showing the entire project and its relation to existing areas, buildings and roads within a distance of 1,000 feet from the project boundaries or such other distances as may be approved or required by the Planning Board.)

- ☒ **Plan Index** with latest revision date of each individual plan

X

3b. Existing Conditions Plan

- | | |
|---|--|
| <input type="checkbox"/> Name of Surveyor or Surveyor Firm | |
| <input type="checkbox"/> Date of survey | |
| <input type="checkbox"/> Property lines with bearings and distances | |
| <input type="checkbox"/> Monuments set/found at all lot corners | |
| <input type="checkbox"/> Easements with bearings and distances suitable for registry filing | |
| <input type="checkbox"/> Names of all abutters | |
| <input type="checkbox"/> Street names | |
| <input type="checkbox"/> Benchmark locations (Based on USGS NGVD – show year) | |
| <input type="checkbox"/> NHESP mapped areas (Areas of Estimated and Priority Habitats) | |
| <input type="checkbox"/> Existing 21E Contaminated Site Information | |
| <input type="checkbox"/> Existing Buildings and Structures | |
| <input type="checkbox"/> Area of building | <input type="checkbox"/> Setbacks from property lines |
| <input type="checkbox"/> Number of stories | <input type="checkbox"/> Floor elevations |
| <input type="checkbox"/> Principal use | <input type="checkbox"/> Door locations with sill elevations |

Staff | **Applicant**

- ☐ Existing Topography:
 - ☐ Contours at 2' intervals (1' contours or additional spot grades if site is flat)
 - ☐ Overhead and underground utilities including but not limited to water, sewer, drainage, electric, telephone, cable TV, gas, septic systems, detention structures, wells
 - ☐ Existing parking/paved areas including pavement type (parking, walkways, etc.)
 - ☐ All Existing Curbscuts
 - ☐ Listing of all existing utility owners and contact info located within the project limits
 - ☐ Adequate utility information outside the site to verify proposed utility connections
 - ☐ All utility pipe types, sizes, lengths, and slopes
 - ☐ All utility structure information including rim and invert elevations
 - ☐ All existing easements within 50 feet of property line-Identify any utility within the easement
 - ☐ All existing utility easements with bearings and distances
 - ☐ Existing pavement markings within site and on connecting roads
 - ☐ Existing features such as walls, curbing, landscaping, trees, walks, fences, trees over 12" caliper, lighting, poles, guys, signs, loading areas, fire hydrants, dumpster locations, known buried slabs, etc...
 - ☐ Wetlands, floodplain, water protection district delineation including offsets and buffer zones
 - ☐ Streams, water courses, swales and all flood hazard areas
 - ☐ Rock Outcroppings
 - ☐ Test pit locations including groundwater depths when encountered
 - ☐ Historic buildings within 250 feet of the subject property

X

3c. Demolition Plan

- ☐ Existing Conditions Plan plus:
 - ☐ Existing Buildings and Structures to be removed/demolished
 - ☐ Existing parking/paved areas to be removed/demolished
 - ☐ Existing utilities to be removed/demolished
 - ☐ Existing hydrants to be removed
 - ☐ Existing features to be removed/ demolished such as walls, curbing, landscaping trees, walks, fences, trees over 6" caliper, lighting, poles, guys, signs, etc.
- ☐ Dust Control Measures
- ☐ Proposed construction phase drainage infrastructure plan including (but not limited to) piping and natural watercourse profiles & cross-sections, retention/detention structures, drain manholes, catch basins, gutter inlets, headwalls, water quality BMPs, and erosion & sedimentation control features, etc.

X

3d. Construction/Layout Plan

- ☐ Proposed Buildings and Structures

Staff Applicant

- | | |
|---|---|
| <input type="checkbox"/> Area of building or additions | <input type="checkbox"/> Setback dimensions from property lines |
| <input type="checkbox"/> Number of stories | <input type="checkbox"/> Out-buildings, detached garages, temp. construction trailers, etc. |
| <input type="checkbox"/> Principal use | |
| <input type="checkbox"/> Floor elevations | |
| <input type="checkbox"/> Door locations with sill elevations | |
| <input type="checkbox"/> Proposed Topography, including but not limited to: | |
| <input type="checkbox"/> Proposed contours at 2' intervals | <input type="checkbox"/> Curb type(s) and limits |
| <input type="checkbox"/> Parking lot setbacks to property line | <input type="checkbox"/> Lighting / Poles / Guys |
| <input type="checkbox"/> Parking lot grades (not to exceed 5% or be less than 0.5%) | <input type="checkbox"/> Signs (include sign schedule) |
| <input type="checkbox"/> Walls | <input type="checkbox"/> Pavement markings |
| <input type="checkbox"/> Parking spaces (delineated and dimensioned) | <input type="checkbox"/> Loading areas / Loading Docks / Platforms |
| <input type="checkbox"/> Accessible parking spaces & aisles | <input type="checkbox"/> Fences |
| <input type="checkbox"/> Wheelchair ramps | <input type="checkbox"/> Landscape areas |
| <input type="checkbox"/> Sidewalks | <input type="checkbox"/> Dumpster(s), Compactor(s) & Pads |
| <input type="checkbox"/> Pavement type(s) | <input type="checkbox"/> Spot Grades at 4 Building Corners |
| | <input type="checkbox"/> Overall Plan Showing Areas of Cut & Fill |
| <input type="checkbox"/> Critical dimensions including aisle widths, parking stall dimensions, curb radius, driveway openings, etc. | |
| <input type="checkbox"/> Grading at entrance-show spot grades if required | |
| <input type="checkbox"/> Emergency Vehicle Access | |
| <input type="checkbox"/> Truck Access (WB-50 unless otherwise approved by City Engineer) | |
| <input type="checkbox"/> Snow Storage Areas, with limits of any fence protection (if applicable) | |
| <input type="checkbox"/> Construction notes, including the following notes: | |
| <ul style="list-style-type: none">• Any minor modifications (as determined by the City Engineer) to the information shown on the approved site plans shall be submitted to the City Engineer as a Minor Plan Revision for approval prior to the work being performed.• Any work and material within the City right-of-way shall conform to the City of New Bedford requirements• All handicap parking, ramps, and access shall conform to AAB & MAAB requirements• All erosion control measures shall be in place prior to construction. Erosion Control shall conform to the City of New Bedford Conservation Commission requirements as stated in the Order of Conditions. (Refer to Erosion Control Plan if part of submission)• All pavement markings and signs shall conform to MUTCD requirements | |

X 3e. Grading and Drainage Plan

- ☐ Existing Conditions Plan and Construction/ Layout Plan plus:
- ☐ Existing and proposed site grading/ topography-Contours at 2' intervals (1' contours or additional spot grades if site is flat)

Staff Applicant

- ☐ Proposed parking lots, sidewalks, islands, etc.
 - Parking lot grades shall not exceed 5% or be less than 0.5 %
- ☐ Floor elevations & door locations
- ☐ Proposed drainage infrastructure plan including but not limited to piping and natural watercourse profiles & cross-sections, infiltration/ retention / detention structures, drain manholes, headwalls, roof recharge systems, flow direction, water quality BMPs, etc.
- ☐ Adequate information off site to verify proposed drain connections
- ☐ Drainage system profiles including rim and invert elevations, material, types, sizes, lengths, utility crossings and slopes
- ☐ Utility easements with bearings and distances suitable for registry filing
- ☐ Delineation of all stockpile areas
- ☐ Provide safety fencing around stockpiles over 10' in height or otherwise restrict site access
- ☐ For applications associated with residential or commercial/industrial subdivisions, include an overall development plan showing all construction activity and proposed grading for all project phases, and show the proposed building envelope within each house lot and the proposed grading, drainage, and storm water disposal for each lot.
- ☐ A design for the stormwater drainage systems prepared by a Registered Professional Engineer demonstrating that proposed development rates of runoff do not exceed pre-development rates, as required under Massachusetts Stormwater Management Standards.

X

3f. Utility and Grading Plan (Show appropriate info from Existing Conditions & Construction/Layout Plan)

- ☐ Include all proposed utilities, including, but not limited to, Water, Sewer, Drainage, Electric, Telephone, Cable TV, Gas, Lighting, Title V Septic Systems & Detention and Retention Structures
 - Adequate utility information outside the site to verify proposed utility connections
 - All utility pipe types, sizes, lengths, and slopes
 - All utility structure information including rim and invert elevations
 - Any utility access vaults
 - All utility access handholes
 - All water services, hydrants, gates, shutoffs, tees
 - Utilities shall be underground if possible
 - All transformer locations
 - Required utility easements with dimensional bearings and distances
- ☐ Force main, if required, conforming to City of New Bedford requirements
- ☐ Water main loop
- ☐ Sewer profile showing all utility crossings
- ☐ Sections through detention basin(s)
- ☐ Include the following notes:
 - The contractor shall obtain a Street Disturbance & Obstruction Permit prior to any construction within the right-of-way
 - All water and sewer material and construction shall conform to the City of New Bedford requirements

Staff Applicant

- All water and sewer construction shall be inspected by the City Of New Bedford before being backfilled
- The City shall be notified at least 24 hours prior to the required inspections
- ☐ Detention basin, retention basin or other stormwater mechanisms (such as infiltration devices), if proposed.

X 3g. Landscape Plan

- ☐ Location, species & size of all proposed plantings
- ☐ All existing landscaping to be removed or retained
- ☐ Plant and tree legend
- ☐ Delineate & label all existing and proposed groundcovers, lawn areas, driveways, walkways, patios and other surface treatments
- ☐ Snow storage areas
- ☐ Proposed irrigation methods (on-site wells to be used unless otherwise approved)
- ☐ Verify sight distances at entrances

X 3h. Erosion Control Plan (show appropriate information from Existing Conditions and Construction/Layout Plans)

- ☐ Straw bales or straw bale/silt fence combination and compost filter tubes
- ☐ Anti-tracking BMP area at all construction entrances
- ☐ Dust Control (Methods of)
- ☐ Protection of existing and proposed drainage structures with straw bales and/or silt sacks
- ☐ Delineation of all temporary stockpile areas
- ☐ Safety fencing around stockpiles over 10' in height or otherwise restricted site access
- ☐ Straw bales or straw bale/silt fence combination around all stockpiles
- ☐ Include the following notes:
 - All BMP erosion control measures shall be in place prior to demolition or any site work.
 - Erosion Control BMPs shall conform to US EPA, NPDES, MA DEP and Massachusetts Erosion and Sedimentation Control Guidelines for Urban and Suburban Areas.
 - Maintenance specifications for all proposed erosion and sedimentation controls.

N/A 3i. Floor Plan

- ☐ Include complete floor plan of all floors (entire building), including existing & proposed work
- ☐ Label all rooms (e.g., bedroom, kitchen, bathroom), and include dimensions of room sizes
- ☐ Show the location of all existing and proposed doors, windows, and walls
- ☐ For non-residential projects: show all existing and proposed seating areas, mechanical/kitchen equipment, backup generators and/or other major functional components of the proposed project

Staff Applicant

- ☐ Identify waste storage and disposal area(s), including detail(s) for dumpster(s) and dumpster pick-up and trash & garbage compaction areas (if any)

X

3j. Building Elevations

- ☐ Show all structural building elevations (front, sides and rear façades) that will be affected by the proposed project
- ☐ For additions/alterations: label existing and new construction, as well as items to be removed
- ☐ Identify all existing and proposed exterior materials, treatments and colors- including roofing, roof eaves, eave brackets, siding, doors, trim, sills, windows, fences, and railings. Show details of proposed new exterior elements
- ☐ Show any exterior mechanical, duct work, and/or utility boxes
- ☐ Include dimensions for building height, wall length and identify existing and proposed floor elevations

N/A

3k. Sign Plan

- ☐ Fully-dimensioned color elevations for all proposed signs
- ☐ Total square footage of existing signs and total square footage of proposed signs
- ☐ Existing and proposed sign locations on site plan
- ☐ Existing and proposed materials and methods of lighting for all signs

X

3l. Lighting Plan

- ☐ Location and orientation of all existing and proposed exterior lighting, including building and ground lighting and emergency spot lighting (if any)
- ☐ Height and initial foot-candle readings on the ground and the types of fixtures to be used
- ☐ Plan Must Show Illumination Patterns On-Site and Areas Off-Site
- ☐ New Bedford Washingtonian Type Fixtures Should Be Used, Where Applicable
- ☐ Provide Cut Sheet for All Lighting Fixtures

X

3m. Detail Sheets (Typical Details)

- | | |
|--|--|
| <input type="checkbox"/> Pavement Section Detail | <input type="checkbox"/> Sewer Manhole Detail (26" cover) |
| <input type="checkbox"/> Sidewalk Detail | <input type="checkbox"/> Detention / Retention Basin Sections (from plan) |
| <input type="checkbox"/> Curb Detail | <input type="checkbox"/> Detention Basin Outlet Structure Detail |
| <input type="checkbox"/> Driveway Detail | <input type="checkbox"/> Miscellaneous Detention / Retention Basin Details |
| <input type="checkbox"/> Wheel Chair Ramp Detail | <input type="checkbox"/> Infiltration Device Details |
| <input type="checkbox"/> Concrete Pad Detail | <input type="checkbox"/> Stormwater BMPs (Water Quality Structure Details, etc.) |
| <input type="checkbox"/> Catch Basin Detail | <input type="checkbox"/> Bollards |
| <input type="checkbox"/> Drainage Manhole Detail | |
| <input type="checkbox"/> Water/Sewer Trench Details (12" envelope) | |

Staff Applicant

- ☐ Water and Sewer Trench Sections
- ☐ Anti-Seepage Collar Detail
- ☐ Flared End Detail
 - ☐ Rip Rap Detail
 - ☐ Straw bales/Silt Fence Detail
 - ☐ Silt Sac Detail
 - ☐ Compost Filter Tube Detail
 - ☐ Light Pole Foundation Detail
 - ☐ Retaining Wall Details
 - ☐ Tree/Shrub Planting Detail

- ☐ Sign Detail
- ☐ Fence Detail
- ☐ Flowable Fill Trench
- ☐ Pavement Marking Details
- ☐ Handicap Parking/Compact Parking Signs
- ☐ Hydrant Detail (American -Darling B-62-B (Open Right) or Mueller Super Centurion Hydrant (Open Right)
- ☐ Thrust Block Detail

 X **4. Project Narrative** (16 Copies), to include adequate summary & description of the proposed project and indicating, where appropriate:

- If submitting a Development Impact Statement (DIS), this Narrative shall be submitted as part of that document
- The number of dwelling units to be built and the acreage in residential use
- Evidence of compliance with parking and off-street loading requirements
- The forms of ownership contemplated for the property and a summary of the provisions of any ownership or maintenance thereof
- Identification of all land that will become common or public land
- Any other evidence necessary to indicate compliance with the zoning ordinance
- A written statement indicating the estimated time required to complete the proposed project and any and all phases thereof
- A written estimate showing, in detail, the projected costs of all site improvements (and off-site improvement) planned
- Drainage calculations by a registered professional engineer, with storm drainage design conforming to City of New Bedford subdivision regulations, as well as wetland delineations determined by a certified wetland scientist if applicable, for 1, 10, 25 & 100 year storm events

 X **5. Certified Abutters List** (4 copies)

 X **6. Proof of Ownership** (Copy of Deed(s) for All Involved Parcels; 4 Copies)

 N/A **7. Development Impact Statement (DIS)**, completed per §5350 of Zoning Code, (16 Copies), if required by Board

 N/A **8. Traffic Impact & Access Study (TIAS)** (16 Copies), if required by Board

 X **9. Stormwater Management Report** (9 Copies), if required, comprised of the following:

- ☐ MADEP Stormwater Standards Compliance Checklist (signed & stamped)

Staff Applicant

- ☐ Overall Project Description
- ☐ Existing Conditions
- ☐ Proposed Improvements
- ☐ Proposed Conditions
- ☐ Hydrologic Analysis for Existing & Proposed Conditions for Milestone Storm Event Intensities
- ☐ Stormwater Management Regulations
- ☐ Summary
- ☐ Appendix - Existing/Proposed Conditions Plans showing the following:
 - ☐ Overall Existing Subcatchment Area Table
 - Subcatchment Labeled, Design Point, Area, Curve number, Tc (min.)
 - ☐ Soil Classifications Table (Existing Soils)
 - Map Unit Symbol, Map Unit Name, Hydrologic Soil Code
 - ☐ Overall Proposed Subcatchment Area Table
 - Subcatchment Labeled, Design Point, Area, Curve number, Tc (min.)
 - ☐ Soil Classifications Table (Including Proposed Boron Soils, Etc., if applicable)
 - Map Unit Symbol, Map Unit Name, Hydrologic Soil Code
- ☐ Appendix - Hydrologic Analyses
 - ☐ HydroCAD Software Analyses (or equivalent software) Analyses (Existing & Proposed Conditions)
- ☐ Appendix - Illicit Discharge Certification (signed & dated)

X 10. Electronic PDF and AutoCAD Files

- ☐ Shall consist of a CD with a printed CD Label in a CD case
- ☐ CAD files shall be 2010 format or the latest revision of AutoCAD Civil 3D
- ☐ All project submissions shall include the following file types. All project related Drawing Files shall be provided in all 2 supported formats, listed below.
 - AutoCAD Drawing format (.dwg)
 - Adobe Portable Document Format (.pdf)
- ☐ PDF files shall be created from within the AutoCAD environment and contain Layer information.
- ☐ It is a requirement that each project drawing/sheet created for a project shall be published/plotted to DWG and PDF, and placed in the appropriate folder in the CD submission. All external references (DWG, DWF, DGN, PDF, TIFF, MrSID, JPG, etc.) which are used in support of the creation of these project sheets shall be stored within the XREF folder only (Subfolder of DWG) on the CD. Also the AutoCAD support files (fonts, plot style, etc.) should be supplied on the CD.
- ☐ **File Naming:**

Staff Applicant

The following file naming standard for all CAD related files created, used, or submitted to the Planning Department shall be followed. This applies to all CAD drawings, DWF's, PDF's used in support of, or used in conjunction with this CAD Standard.

File names shall begin with their project Planning Board Case number assigned (available through the Planning Department), followed by an underscore and the appropriate discipline code. In the instance where there is more than one file, assign an appropriate sequential number to the end (ex. 1,2,3). Special characters are not permitted except for the following; hyphens [-], underscores [_], and/or parenthesis [()].

Example 1.

A set of engineering design plans and documents were prepared for project file number 12-34; acceptable filenames would be as follows:

12-34_Existing Conditions1.dwg

12-34_Existing Conditions2.dwg

12-34_Generali.dwg

12-34_Generale.dwg

 X 11. **Photos Depicting Existing Conditions** (Minimum of 3, In Color, 1 Aerial + 2
Other Views; 16 Copies)

 X 12. **Completed Department Sign-Off Sheet** (1 original copy)

 X 13. **Application Fee** (All fees are due at time of application submission)

Official Use Only:

For the Planning Board, this application has been received by the Planning Division of the Department of Planning, Housing & Community Development on the date specified below:

Review date: _____ All materials submitted: Yes No

Signature: _____ Fee: _____



City of New Bedford REQUEST for a CERTIFIED ABUTTERS LIST

This information is needed so that an official abutters list as required by MA General Law may be created and used in notifying abutters. You, as applicant, are responsible for picking up and paying for the certified abutters list from the assessor's office (city hall, room #109).

SUBJECT PROPERTY	
MAP #	82
LOT(S)#	108
ADDRESS: 167 Potter Street	
OWNER INFORMATION	
NAME: Robert E. Hathaway Jr., c/o Hathaway Collision Center	
MAILING ADDRESS: 175 Potter Street, New Bedford, MA 02740	
APPLICANT/CONTACT PERSON INFORMATION	
NAME (IF DIFFERENT): Rebecca - Field Engineering Co., Inc.	
MAILING ADDRESS (IF DIFFERENT): P.O. Box 1178, Mattapoisett, MA 02739	
TELEPHONE #	(508) 758-2749
EMAIL ADDRESS:	rcarvalho@fieldengrg.com
REASON FOR THIS REQUEST: Check appropriate	
<input type="checkbox"/>	ZONING BOARD OF APPEALS APPLICATION
<input type="checkbox"/>	PLANNING BOARD APPLICATION
<input type="checkbox"/>	CONSERVATION COMMISSION APPLICATION
<input type="checkbox"/>	LICENSING BOARD APPLICATION
<input checked="" type="checkbox"/>	OTHER (Please explain): Special Permit through City Council

CITY CLERK
NEW BEDFORD
AUG 12 2:53
DEPARTMENT

Once obtained, the Certified List of Abutters must be attached to this Certification Letter.

Submit this form to the Planning Division Room 303 in City Hall, 133 William Street. You, as applicant, are responsible for picking up and paying for the certified abutters list from the assessor's office (city hall, room #109).

Official Use Only:

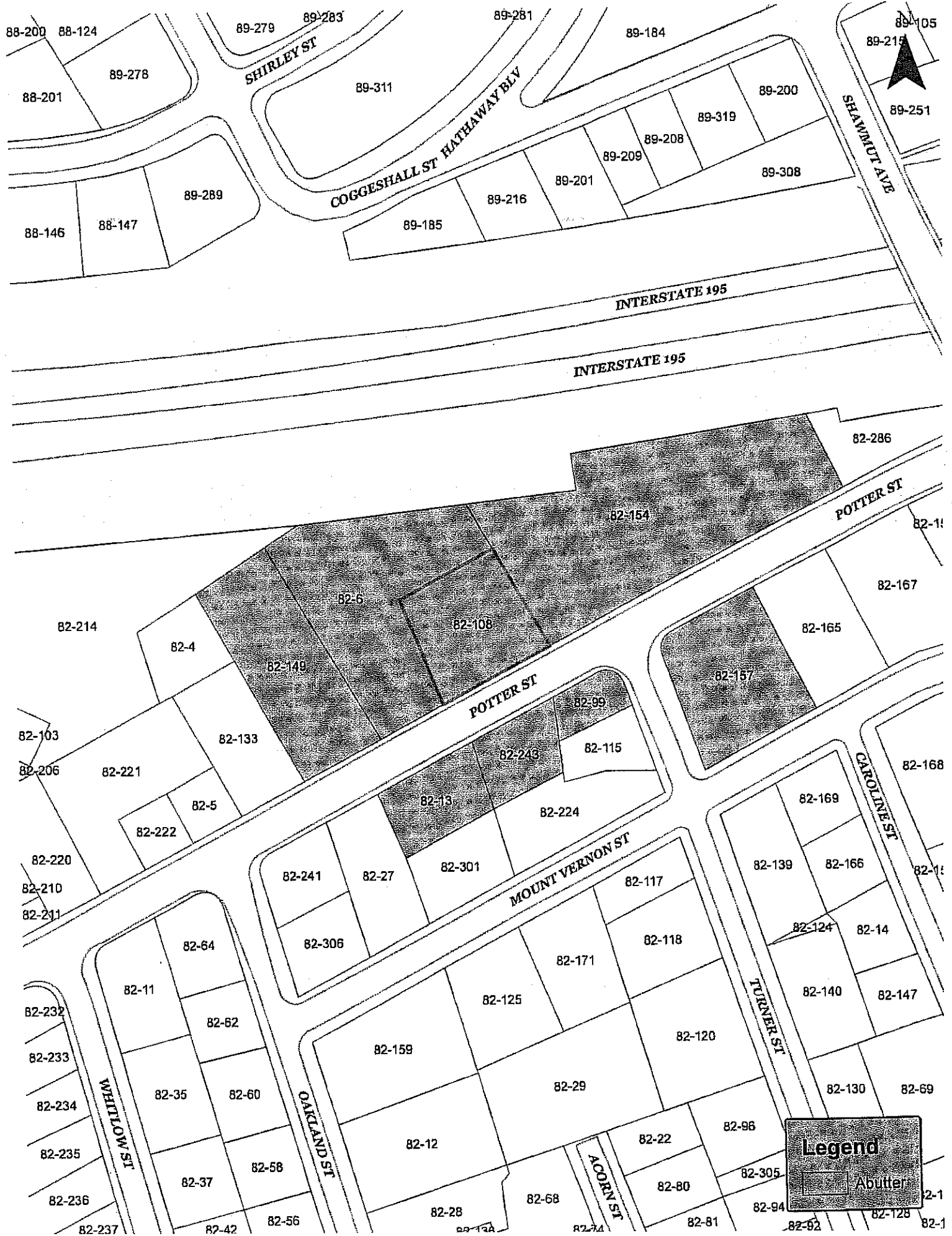
As Administrative Assistant to the City of New Bedford's Board of Assessors, I do hereby certify that the names and addresses as identified on the attached "abutters list" are duly recorded and appear on the most recent tax.

Carlos Amado
Printed Name

Signature

Date

ATTACHMENT 1C



Quitclaim Deed

COMCAST OF SOUTHERN NEW ENGLAND, INC., a Massachusetts corporation, having an address c/o Comcast Cable Communications, LLC, One Comcast Center, 1701 John F. Kennedy Boulevard, Philadelphia, PA 19103-2838, formerly known as MediaOne of Southern New England, Inc., and as Continental Cablevision of Southern New England, Inc., and as Colony Cablevision of Southeastern Massachusetts, Inc., and as Whaling City Cable T.V., Inc.

in consideration of One Hundred Thousand Dollars (\$100,000.00) paid, grant
with **QUITCLAIM COVENANTS**

to **ROBERT E. HATHAWAY, JR.**, an individual, whose address is c/o Hathaway Collision Center, 175 Potter Street, New Bedford, MA 02740

the following described premises known as 167 Potter Street, New Bedford, Bristol County, Massachusetts, bounded and described as follows:

Beginning at a point in the northerly line of Potter Street, Five Hundred Twenty-seven and 4/10 (527.4) feet from the westerly line of Shawmut Avenue;

thence continuing westerly in the northerly line of Potter Street One Hundred and Thirty (130) feet to a stake;

thence northerly by land now or formerly of John T. Hathaway One Hundred Twenty-four and 76/100 (124.76) feet;

thence easterly by land now or formerly of New Bedford Textile Company One Hundred Fourteen and 26/100 (114.26) feet;

thence southerly by land now or formerly of Manhattan Bottling Company, Inc., One Hundred Twenty-three and 76/100 (123.76) feet to the point of beginning.

Containing Fifty-one and 53/100 (51.53) square rods and being Parcel No. 1 on a plan of land entitled, Sub-division of land in New Bedford belonging to Wyman Truck Leasing Corporation, Scale: 1" = 50', dated March 27, 1963, and prepared by E. J. Engineering Co., Inc., New Bedford, Mass. Said plan being on file in the Bristol County (S.D.) Registry of Deeds, at Plan Book 64, Page 46, being a part of the premises conveyed to Wyman Truck Leasing Corporation by Coaters, Inc., and recorded in the Bristol County (S.D.) Registry of Deeds in Book 1306, at Page 311, and dated February 19, 1960.

Being the same premises described in a Deed from International Telemeter of New Bedford, Inc. to the said Whaling City Cable T.V., Inc., dated March 19, 1975 and recorded with the Bristol County Registry of Deeds in Book 1698, Page 21.



167 Potter St.
New Bedford MA

This deed does not represent a sale of all or substantially all of the grantor's assets located within the Commonwealth of Massachusetts.

[Remainder of Page Intentionally Left Blank -- Signature Page and Acknowledgement to Follow]

REG OF DEEDS
REG #07
BRISTOL S

04/12/13 1:59PM 21
003530 #6484

FEE \$456.00

CASH \$456.00



[Signature Page to Deed for 167 Potter Street, New Bedford, Bristol County, Massachusetts]

Executed this 09th day of April, 2013

COMCAST OF SOUTHERN NEW ENGLAND, INC.

By: *[Signature]*
Gerald C. O'Brien, Vice President-Real Estate

COMMONWEALTH OF PENNSYLVANIA:

COUNTY OF PHILADELPHIA :

On this 9th day of April, 2013, before me, the undersigned notary public, personally appeared Gerald C. O'Brien, proved to me through satisfactory evidence of identification, which was PA driver license, to be the person whose name is signed on the preceding or attached document, and acknowledged to me that he signed it voluntarily for its stated purpose.

(as Vice President – Real Estate for Comcast of Southern New England, Inc., a corporation)

[Signature] (official signature and seal of notary)
My commission expires: 12/14/16

From the Office of:

Jennifer C. Kissiah, Esquire
Drinker Biddle & Reath LLP
One Logan Square, Suite 2000
Philadelphia, PA 19103
Telephone: (215) 988-2700

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Jennifer Yenchuk, Notary Public
City of Philadelphia, Philadelphia County
My Commission Expires Dec. 14, 2016
I, PENNSYLVANIA ASSOCIATION OF NOTARIES

Return to:

Robert E. Hathaway, Jr.
Hathaway Collision Center
175 Potter Street
New Bedford, MA 02740



PHBP/953501.2

© Real Estate Bar Association for Massachusetts
(6-1-04)

NARRATIVE TO ACCOMPANY PLANNING BOARD
PETITION FOR SITE PLAN APPROVAL
HATHAWAY COLLISION CENTER
167 POTTER STREET
NEW BEDFORD, MASSACHUSETTS

1.0 PROJECT OVERVIEW

On behalf of our client and the owner and applicant of record, Robert Hathaway c/o Hathaway Collision Center, Field Engineering has prepared this Planning Board Petition for Site Plan Approval in accordance with the City of New Bedford Comprehensive Zoning By Law and the Planning Board Rules and Regulations for Site Plan Approval. This Petition is for the review and approval of the proposed construction of a 7,000 square foot pre-fabricated metal building with associated site improvements on an existing lot located at 167 Potter Street in the City of New Bedford. The proposed Auto Body Repair use is allowed by Special Permit from the City Council in the underlying Industrial Zoning District and the applicant is in the process of filing for this Permit with the Council.

The applicant is proposing to raze an existing small storage building on the parcel located at 167 Potter Street adjacent to their existing garage to construct a 7,000 square foot pre-fabricated metal building to supplement their existing operations. Work will include demolition of the existing building, construction of the new building, and paving a portion of the currently graveled parking and loading area. The remaining portions of the property will remain gravel as in the current condition.

The purpose of the proposed building is to provide additional covered storage for cars that are in the process of being worked on, but not yet complete. In current conditions, the applicant needs to move cars in and out of their smaller facility to perform the work and store them while waiting for parts. The new building will allow the applicant to perform work on more vehicles at one time and also provide for a more efficient overall operation. The additional space will also allow the applicant to potentially increase their workforce in the future as conditions warrant.

As the Site Plans show, the proposed impervious and gravel parking areas on the site will continue to flow off-site as they currently do. The proposed building will now be serviced by a subsurface infiltration system which will serve to attenuate the increase in runoff associated with the building and also promote recharge into the underlying soils on the site. The proposed stormwater management system will be a vast improvement to the existing conditions on the property, which consists solely of sediment laden runoff from the gravel parking areas flowing directly to the off-site drainage system.

The existing building will continue to be serviced by water, sewer, electric, and communications utilities currently located within Potter Street. The existing site will continue to use two existing curb cuts off of Potter Street and will continue to be enclosed with a chain link fence as in current conditions.

2.0 EXISTING CONDITIONS

The proposed project is located on City of New Bedford Assessor's Lot 108 on Map 82 and the legal address of the facility is 167 Potter Street. The proposed facility is located on the site of an existing storage facility that was previously owned by Whaling City Cable. (See attached Deed) The site itself consists of an approximate 600 square foot building and various gravel and crushed concrete surface parking and outdoor storage areas. The site is bordered to north by Route 195, to the south by Potter Street, to the west by the applicant's existing facility and to the east by additional industrial development. There are no wetland resource areas on or within 100' of the subject parcel. According to the most recent Federal Emergency Management Agency (FEMA) Flood Insurance mapping, Community Panel Nos. 255216-0389-F, dated 7/7/2009, no portion of the proposed project site is located within the 100 year floodplain.

3.0 PROPOSED CONDITIONS

3.1 PROPOSED BUILDING

The project will consist of the construction of a 7,000 square foot pre-fabricated metal building to be used for storage of vehicles under repair as well as to perform repairs on the vehicles. The proposed building will contain:

- One overhead drive-in doorway on each end of the building
- Clear open spaces for storage of vehicles and repair space for vehicles
- Small office and bathroom facility for employee use only

3.2 SITE IMPROVEMENTS

The majority of the existing gravel parking and loading areas outside the building will remain. A portion of the existing gravel parking area will be paved to provide more durable surface for the areas seeing the most traffic. The applicant is proposing to retain both curb cut openings that service the existing lot. Sufficient space will be provided outside the building to provide parking for a minimum of 18 vehicles, which is also the minimum required by zoning. The proposed building will be tied into existing utility services currently serving the pre-existing building on the lot. Any changes to the existing utilities servicing the building, including water, sewer, gas, and electric will be reviewed by their respective City Department or Utility Company prior to their implementation. Finally, the proposed building will be equipped with a roof drain

recharge system that will serve to attenuate the rates of peak runoff off the property as well as provide a means for additional recharge to the underlying groundwater.

3.3 STORMWATER MANAGEMENT SYSTEM AND COMPLIANCE WITH APPLICABLE STANDARDS

The proposed stormwater management system incorporates a number of Best Management Practices (BMPs), as prescribed in the Department of Environmental Protection Stormwater Management Handbook. These practices include structural and non-structural measures providing stormwater quantity and quality management. These BMPs will function to minimize potential adverse water quality impacts to the surrounding wetland ecosystem and drainage systems. The following sections describe the temporary and permanent stormwater BMPs proposed for the site development.

The proposed stormwater management plan has been developed based on the projected site conditions and the present condition of the drainage systems that receive stormwater runoff from the site. The proposed BMPs have been designed to comply with the Massachusetts Stormwater Management Handbook.

The existing and proposed paved and impervious areas on the developed lot are the primary target area for water quantity control measures for the project. In existing conditions, there is no treatment or attenuation being provided to the runoff generated by the impervious surfaces on the lot. The majority of this runoff flows overland directly to off-site drainage systems adjacent to the project site. The goal of the proposed stormwater management system design was to provide the necessary attenuation for the increased impervious surface on the project site. The amount of gravel surface on the site has also been reduced therefore reducing the amount of sediment-laden runoff produced by the gravel surfaces being discharged to the off-site drainage systems.

Select Structural Best Management Practices (BMP's)

Roof Drain Recharge System

Runoff from the clean roof drains from the new building will be discharged to a subsurface roof drain recharge system located on-site. The subsurface system will consist of plastic parabolic Cultec Contactor leaching chambers on a bed of double washed stone. These systems have been sized to provide storage volume to for up to the 100 year storm event. These systems will achieve recharge to the groundwater through the underlying soils.

Select Non-Structural Best Management Practices (BMP's)

Stormwater Management System Maintenance Program

All structural components of the stormwater management system will be inspected and maintained on a regular basis in accordance with the requirements of the Stormwater Management Policy. A detailed Stormwater Management System Operation and

Maintenance Plan has been prepared in accordance with the newly promulgated Stormwater Management Standards and Stormwater Management Handbook prepared by the Massachusetts Department of Environmental Protection.

Regulatory Compliance

The Massachusetts Stormwater Handbook, Volume 3 (February, 2008), has been used as the primary guidance for the selection and design of permanent non-structural and structural BMPs for the long-term protection of existing wetland and water resources. The Stormwater Management Plan developed for this project incorporates water quantity and quality controls that will protect surface and groundwater resources, wetlands and adjacent properties from potential impacts due to increased impervious areas on the site. The Stormwater Management Plan also incorporates select LID measures in accordance with the new Stormwater Management Policies.

The Stormwater Management System Report prepared by Field Engineering Co. Inc. describes the temporary and permanent stormwater BMPs proposed for the site development, compliance with the Stormwater Management Policies, and includes drainage calculations prepared by a Registered Professional Engineer, a DEP Stormwater Management Form Checklist, and a Post Construction Operation and Maintenance Plan with Long Term Pollution Prevention Plan.



FIELD
ENGINEERING
CO., INC.
CONSULTING ENGINEERS

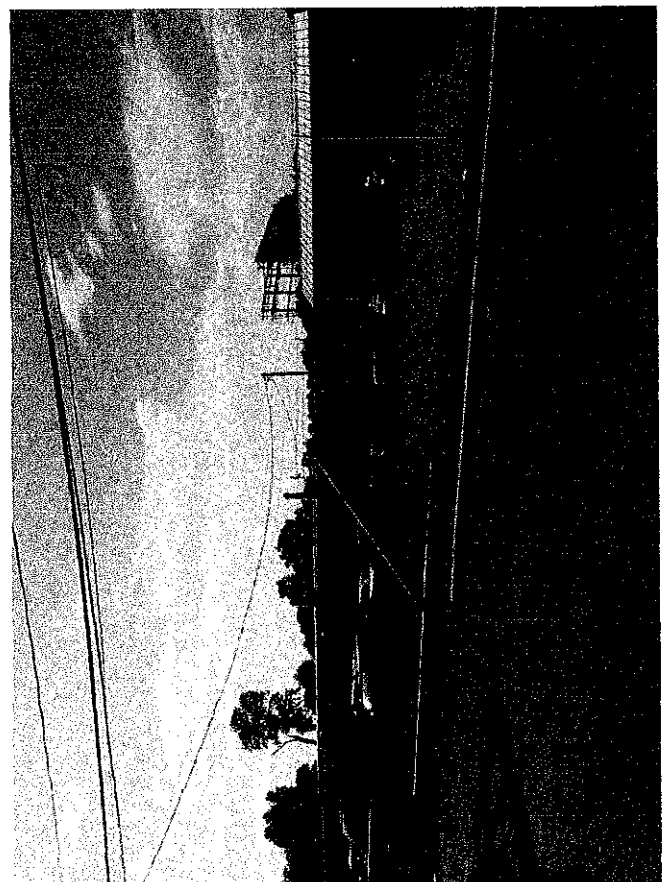
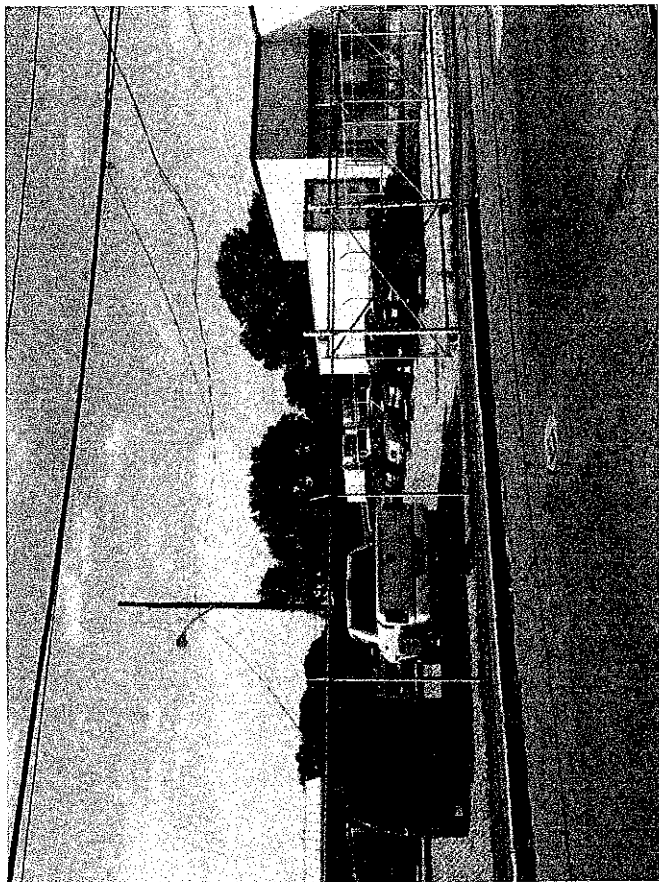
11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPoisETT, MA 02739
TEL: (508) 758-2749
FAX: (508) 758-2849

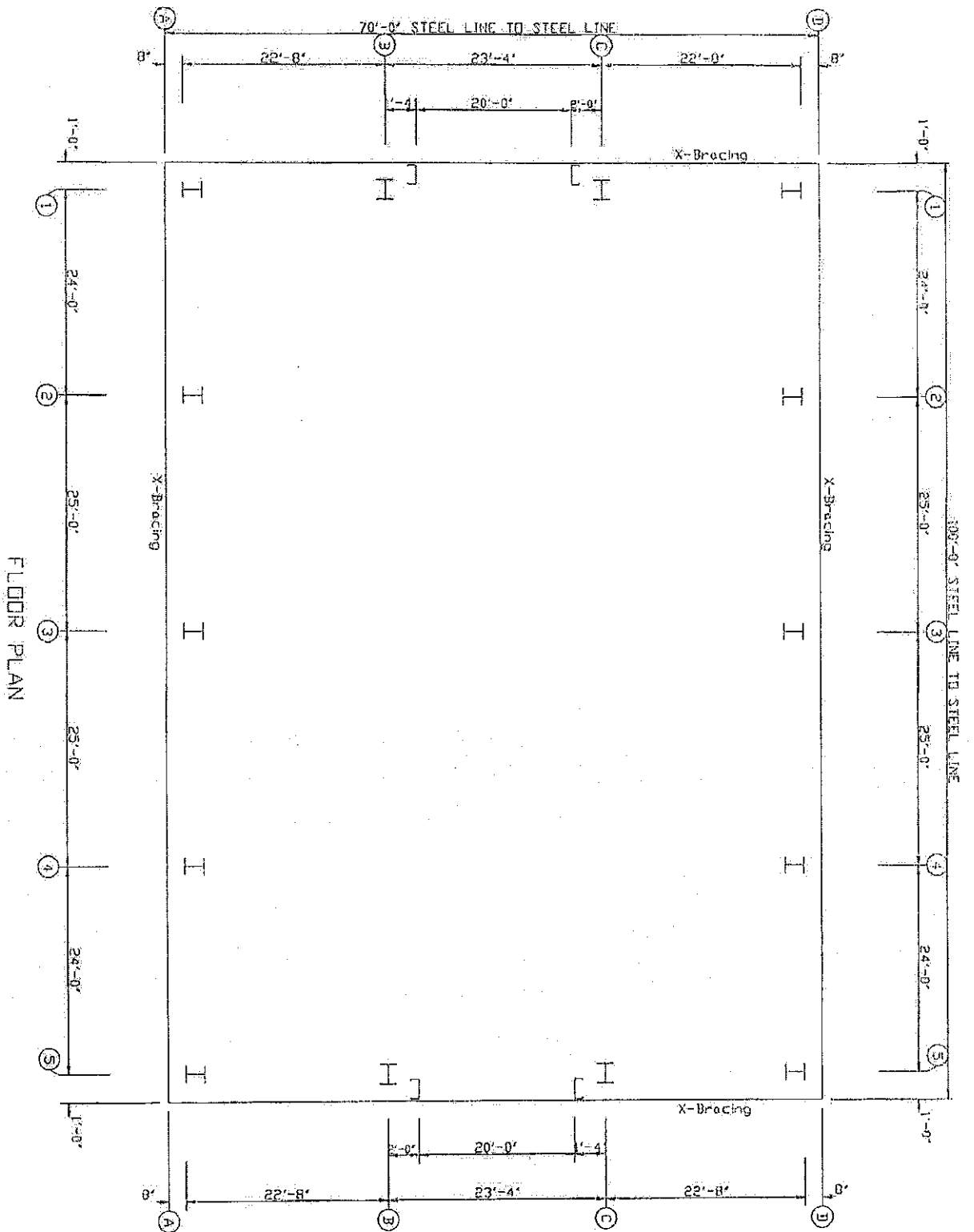
THE CROCKER BUILDING
4 COURT STREET SUITE 104
TAUNTON, MA 02780
TEL: (508) 824-9279
FAX: (508) 824-9276

AERIAL PLAN
HATHAWAY COLLISION CENTER

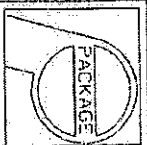
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NEW BEDFORD, MASSACHUSETTS

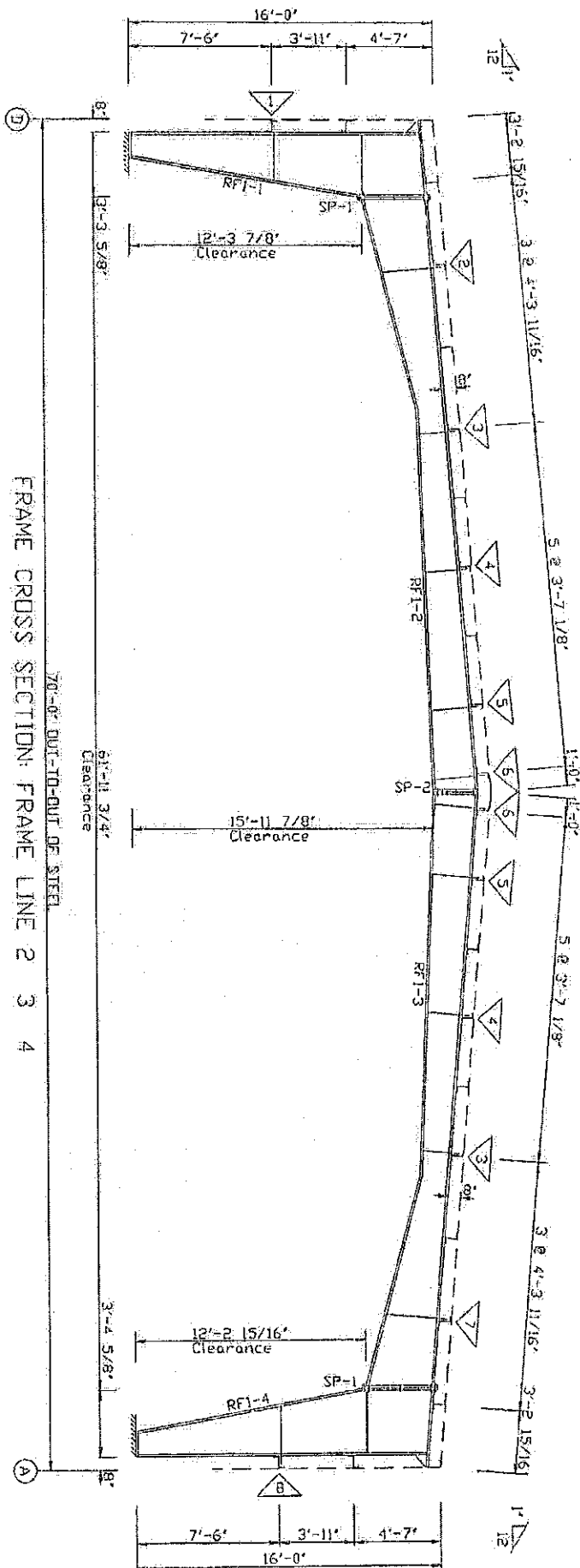
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Issued For	PERMITTING	Sheet	1 OF 1





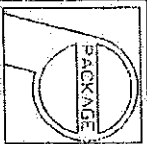
PACKAGE STEEL SYSTEMS, INC.		Bob Hathaway	
PROJECT	Bob Hathaway	ANCHOR BOLT PLAN	
ID	Q1505-046	PRELIMINARY - NOT FOR CONSTRUCTION	
PROJECT		CSB	
ADDRESS	New Bedford, MA 02740	DATE: 6/16/16	DRAWING: ABL-T-1





FRAME CROSS SECTION: FRAME LINE 2 3 4

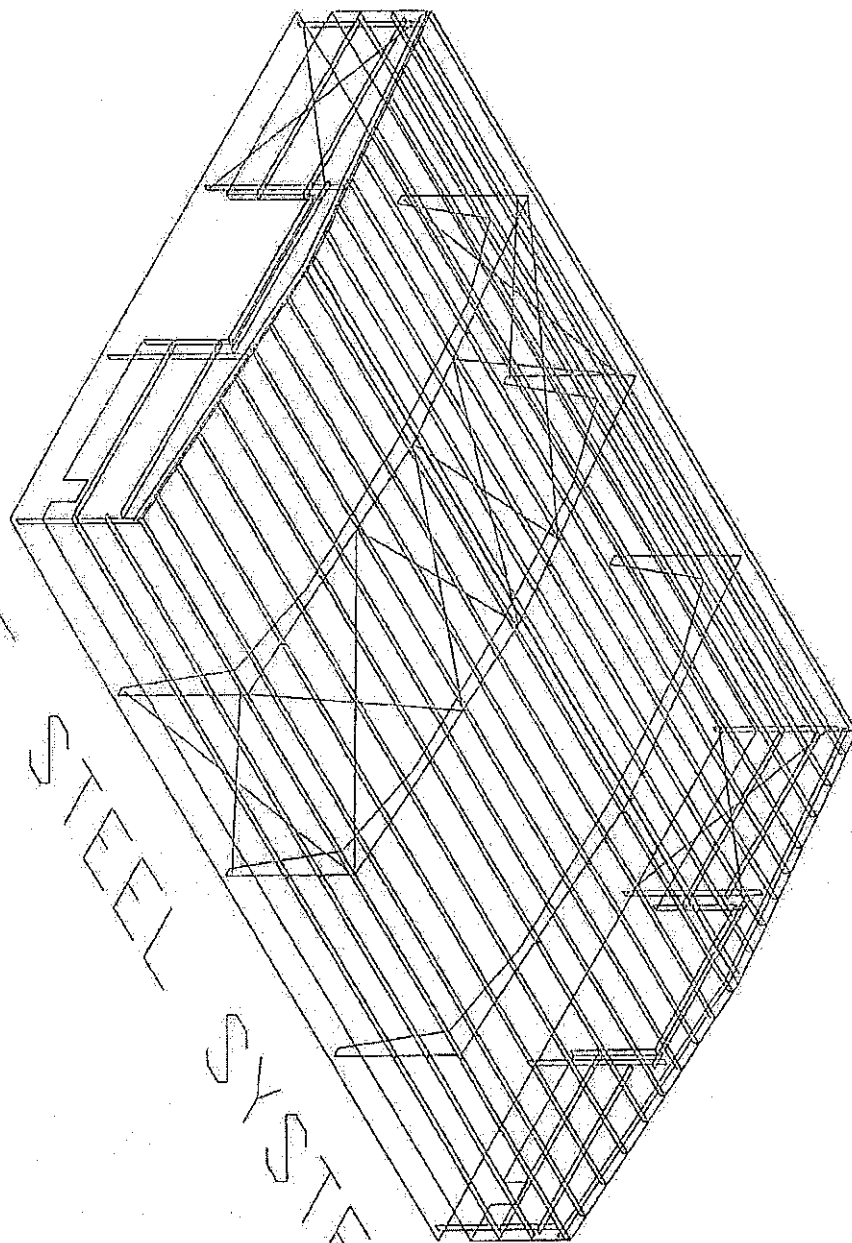
PACKAGE STEEL SYSTEMS, INC.	Bob Hathaway
PROJECT	Bob Hathaway
ID	61506-046
PROJECT	PRELIMINARY - NOT FOR CONSTRUCTION
ADDRESS	New Bedford, MA 02740
DATE	6/16/16
DRAWING	FRXS-1

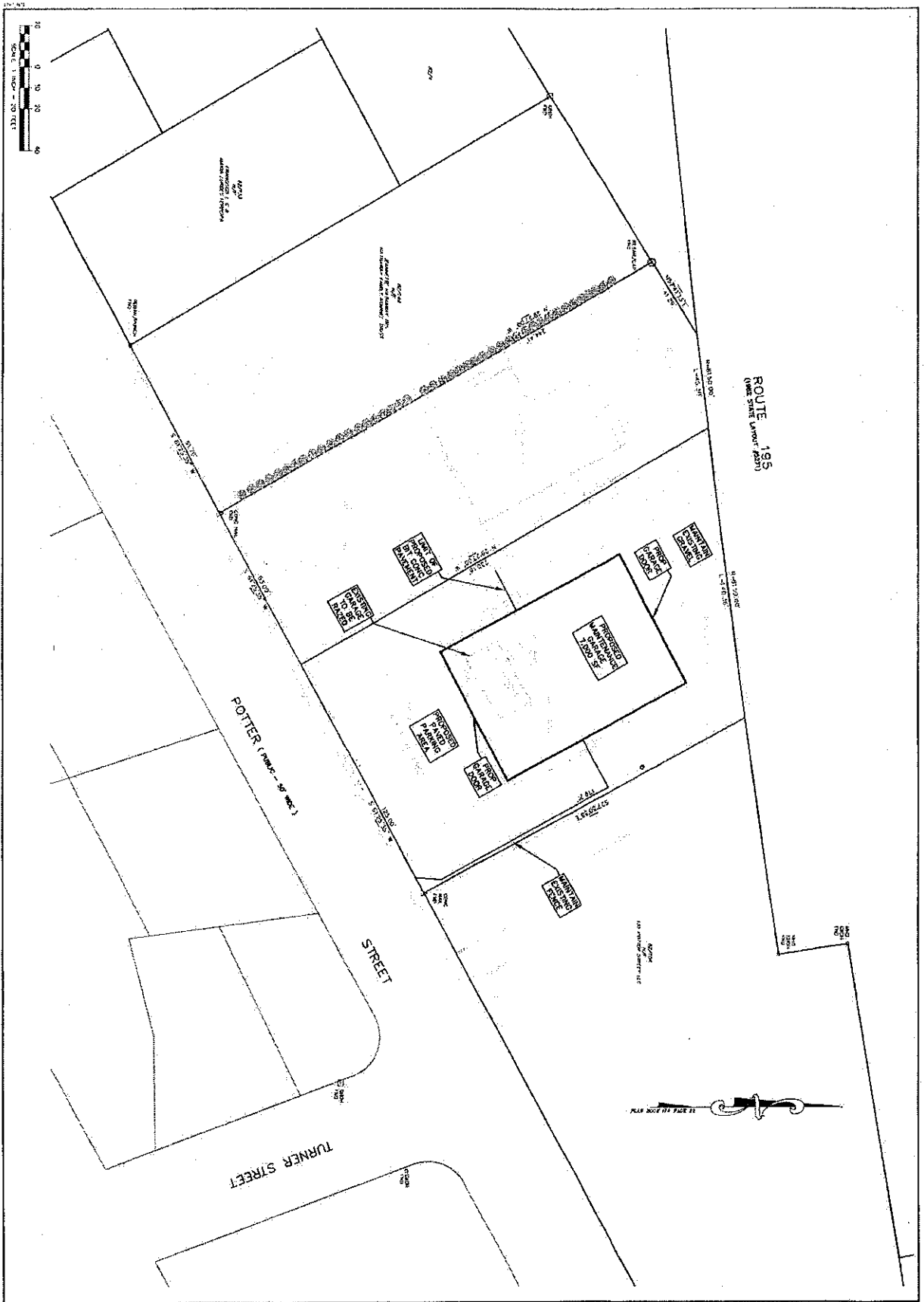


PACKAGE

STEEL

SYSTEMS, INC.





FIELD ENGINEERING CONSULTING ENGINEERS 100 SOUTH STREET NEW BEDFORD, MASSACHUSETTS 01905 TEL: (508) 465-1111 FAX: (508) 465-1112		PROPOSED SITE DEVELOPMENT HATHAWAY COLLISION CENTER 167 POTTER STREET NEW BEDFORD, MASSACHUSETTS	
SITE PLAN SHEET NO. 2007 SCALE: 1" = 40'		PERMITTING SUBMITTED BY: FIELD ENGINEERING DATE: 11/15/07 PROJECT NO.: 070316	

IX. HOMEOWNER LICENSE EXEMPTION**Supplement # 1**

The current exemption for "homeowner" was extended to include owner-occupied dwellings of two units or less and to allow such homeowners to engage an individual for hire who does not possess a license, provided that the owner acts as supervisor. (State Building Code Section 110.5)

DEFINITION OF HOMEOWNER:

Person(s) who own a parcel of land on which he/she resides or intends to reside, on which there is, or is intended to be, a one to two family dwelling, attached or detached structures accessory to such use and /or farm structures. A person who constructs more than one home in a two-year period shall not be considered a homeowner. Such "homeowner shall submit to the Building Official, on a form acceptable to the Building Official, that he/she shall be responsible for all such work performed under the building permit. (Section 110.5)

The undersigned "homeowner assumes responsibility for compliance with the State Building Code and other applicable codes, ordinance, rules and regulations, and will comply with the City of New Bedford Building Department minimum inspection procedures and requirements.

HOMEOWNERS SIGNATURE N/A

X. CONSTRUCTION DEBRIS DISPOSAL**Supplement #2**

In accordance with provisions of Massachusetts General Law C40, S54, debris resulting from this work shall be disposed of in a properly licensed solid waste disposal facility as defined by Massachusetts General Law C111, S150A

The debris will be disposed of in: T.B.D.
(Location of Facility)

Signature of Permit Applicant _____

Date _____

XI. HOME IMPROVEMENT CONTRACTOR LAW AFFIDAVIT

(Residential Use Only) Supplement to Permit Application

Supplement #3

MGLC 142A requires that the "reconstruction, alteration, renovation, repair, modernization, conversion, improvement, removal, demolition, or construction of an addition to any pre-existing owner-occupied building containing at least one but not more than four dwelling units ... or to structures which are adjacent to such residence of building" be conducted by registered contractors, with certain exceptions, along with other requirements.

Type of Work: N/A Erect A 100' x 70' Structure Est. Cost \$250,000

Address of Work _____

Owner Name: _____ Date of Permit Application: _____

I hereby certify that: Registration is not required for the following reason(s):

_____ Work excluded by law _____ Job under \$1,000 _____ Building not owner-occupied _____ Owner obtaining own permit

Other (specify) _____

Notice is hereby given that:

OWNERS OBTAINING THEIR OWN PERMIT OR EMPLOYING UNREGISTERED CONTRACTORS FOR APPLICABLE HOME IMPROVEMENT WORK DO NOT HAVE ACCESS TO THE ARBITRATION PROGRAM OF GUARANTY FUND UNDER MGLC. 142A.

signed under penalties of perjury:

I hereby apply for a permit as the agent of the owner:

Date _____ Contractor Signature _____

Registration No. _____

OR:

Notwithstanding the above notice, I hereby apply for a permit as the owner of the above property:

Date _____ Owner Signature _____

XII. BUILDING COMMISSIONERS REVIEW COMMENTS AND CONDITIONS

C. Building Permit Rejected ☒ SITE PLAN REVIEW - PLANNING BOARD

Fee _____

Reason For Rejection: CITY COUNCIL - SPECIAL PERMIT

Permit # _____

"SEE ATTACHMENTS"

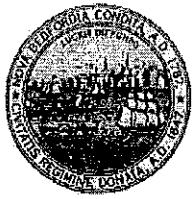
Comments and Conditions:

Signed Danny D. Romanowski

Date: 8/5/16 "DDR"

Title Building Commissioner

Not valid unless signed (not stamped) by Building Commissioner



DEPARTMENT OF INSPECTIONAL SERVICES
133 WILLIAM STREET - ROOM 308
NEW BEDFORD, MA 02740

CITY OF NEW BEDFORD
JONATHAN F. MITCHELL, MAYOR

New Bedford Comprehensive Zoning Code Review Code of Ordinances – Chapter-9

167 Potter Street – Plot: 82 – Lot: 108– Zoned District: IB

Zoning Code Review as follows:

SPECIAL PERMIT REQUIRED FROM CITY COUNCIL

Sections:

2200 USE REGULATIONS

2210 GENERAL

2230 TABLE OF USE REGULATIONS

APPENDIX A

(C.) COMMERCIAL #14 MOTOR VEHICLE GENERAL REPAIRS

(C.) COMMERCIAL#15 MOTOR VEHICLE BODY REPAIRS

(C.) COMMERCIAL#16 MOTOR VEHICLE LIGHT SERVICE

Sections:

5300 - 5330 + 5360-5390 SPECIAL PERMIT

Planning Board

Site plan Review

Sections:

5400- 5490B- Site Plan Review



City of New Bedford, Massachusetts
Building Department
Application for Plan Examination
and Building Permit

FOR BUILDING DEPT. USE

DATE RECEIVED _____
RECEIVED BY _____
ISSUED BY _____

IMPORTANT — COMPLETE ALL ITEMS — MARK BOXES WHERE APPLICABLE — PRINT

Permit No. _____
Completion Date _____

(AT LOCATION) 167 POTTER ST
(IND.) (STREET)
BETWEEN _____ AND _____
(CROSS STREET) (CROSS STREET)
PLOT 82 LOT 108 DISTRICT IND-B ACCEPTED STREET YES
PLANS FILED ☐ YES ☐ NO

II. TYPE AND COST OF BUILDING — all applicants complete parts A through D — PRINT

A. TYPE OF IMPROVEMENT

1. ☒ New Building
2. ☐ Addition (if residential, enter number of new housing units added, if any, in Part D, 14)
3. ☐ Alteration (if residential, enter number of new housing units added, if any, in Part D, 14)
4. ☐ Repair, replacement
5. ☐ Demolition (if multifamily residential, enter number of units in building in Part D, 14, if non-residential, indicate most recent use checking D-18 - D-32)
6. ☐ Moving (relocation)
7. ☐ Foundation only

D1. PROPOSED USE — For demolition most recent use

Residential

13. ☐ One family
14. ☐ Two or more family — Enter number of units _____
15. ☐ Transient hotel, motel, or dormitory — Enter number of units _____
16. ☐ Garage
17. ☐ Carport
18. ☐ Other — Specify _____

Nonresidential

19. ☐ Amusement, recreational
20. ☐ Church, other religious
21. ☐ Industrial
22. ☐ Parking garage
23. ☒ Service station (repair garage)
24. ☐ Hospital, institutional
25. ☐ Office, bank, professional
26. ☐ Public utility
27. ☐ School, library, other educational
28. ☐ Stores, mercantile
29. ☐ Tanks, towers
30. ☐ Funeral homes
31. ☐ Food establishments
32. ☐ Other — Specify _____

B. OWNERSHIP

8. ☒ Private (individual, corporation, nonprofit institution, etc.)
9. ☐ Public (Federal, State, or local government)

D2. Does this building contain asbestos?

- ☐ YES ☐ NO If yes complete the following
Name & Address of Asbestos Removal Firm: _____

Submit copy of notification sent to DEDE and the State Dept. of Labor & Industries and results of air sample analysis after asbestos removal is completed.

C. COST

10. Cost of construction (omit cents) \$ 250,000
To be installed but not included in the above cost
a. Electrical _____
b. Plumbing _____
c. Heating, air conditioning _____
d. Other (elevator, etc.) _____
11. TOTAL VALUE OF CONSTRUCTION \$ 250,000
12. TOTAL ASSESSED BLDG. VALUE N/A

D3. Non-residential — Describe in detail proposed use of buildings, e.g., food processing plant, machine shop, laundry building, hospital, elementary school, secondary school, college, parochial school, parking garage for department store, rental office building, office building at industrial plant. If use of existing building is being changed, enter proposed use.

III. SELECTED CHARACTERISTICS OF BUILDING — For new buildings complete part E through I. For demolition, complete only parts G, H & I. For all others, (additions, alterations, repair, moving, foundation), complete E through I.

E. PRINCIPAL TYPE OF FRAME

33. ☐ Masonry (wall bearing)
34. ☐ Wood frame
35. ☒ Structural steel
36. ☐ Reinforced concrete
37. ☐ Other — Specify _____

G. TYPE OF SEWAGE DISPOSAL

43. ☒ Public or private company
44. ☐ Private (septic tank, etc.)

H. TYPE OF WATER SUPPLY

45. ☒ Public or private company
46. ☐ Private (well, cistern)

F. PRINCIPAL TYPE OF HEATING FUEL

38. ☒ Gas
39. ☐ Oil
40. ☐ Electricity
41. ☐ Coal
42. ☐ Other — Specify _____

I. TYPE OF MECHANICAL

- Is there a fire sprinkler system?
47. ☐ YES 48. ☒ NO
Will there be central air conditioning?
49. ☐ YES 50. ☒ NO
Will there be an elevator?
51. ☐ YES 52. ☒ NO

J. DIMENSIONS

53. Number of stories 1
54. Height 220'
55. Total square feet of floor area, all floors based on exterior dimensions 7,000
56. Building length 100
57. Building width 70
58. Total sq. ft. of bldg. footprint 7,000
59. Front lot line width 120'
60. Rear lot line width 120'
61. Depth of lot 129'
62. Total sq. ft. of lot size 26,130 SF
63. % of lot occupied by bldg. (56+62) 27%
64. Distance from lot line (front) 61.7'
65. Distance from lot line (rear) 26.5'
66. Distance from lot line (left) 26.5'
67. Distance from lot line (right) 28.4'

OTHER APPLICABLE REVIEWS

K. FLOODPLAIN

Is location within flood hazard area? yes (no)

If yes, zone: _____ and base elevation _____

L. WETLANDS PROTECTION

Is location subject to flooding? NoIs location part of a known wetland? NoHas local conservation commission reviewed this site? N/A

IV. IDENTIFICATION - ALL APPLICANTS - PLEASE PRINT			
OWNER OR LESSEE NAME	MAILING ADDRESS	ZIP CODE	TELEPHONE NO.
Robert Hathaway Jr. c/o	175 Potter St. New Bedford MA	02740	508-993-1582
Hathaway Collision			
E-mail Address:			
Bob@HathawayCollision.NET			
CONTRACTOR NAME	MAILING ADDRESS	ZIP CODE	TELEPHONE NO.
T.B.D.			
E-mail Address:			
Engineer/ARCHITECT NAME	MAILING ADDRESS	ZIP CODE	TELEPHONE NO.
Field Engineering Co. Inc.	110 Industrial Drive Mattapoisett MA	02739	508-758-2749
E-mail Address:			
Rich@Fieldengr.com	Richard R. Ricciotti, P.E. MA Civil # 45898		
SIGNATURE OF OWNER	APPLICANT SIGNATURE	DATE	
<i>Robert E. Hathaway</i>	<i>Robert E. Hathaway</i>	6-21-16	

Omission of reference to any provision shall not nullify any

requirement of this code nor exempt any structure from such requirement.

The applicants understands and warrant that they will comply with all pertinent federal and state statutes, local ordinances and all federal, state, and local regulations, including those of the Architectural Barriers board, Department of Environmental Protection Agency and may be forwarded for review to all pertinent local city agencies which may express specific concerns. It is understood that the issuance of a permit shall not serve as an acceptance or acknowledgment of compliance nor exempt any structure from such requirement. The permit shall be a license to proceed with the work and shall not be construed as authority to violate, cancel, or set aside any of the provisions of the State Building Code or local code of ordinances, except as specifically stipulated by modification or legally granted variation in accordance with Section 122.0 of State Building Code or local code of ordinances.

I have read the above and sign under pain and penalty of perjury as to the truth of all of the information and statements contained in sections I through IV of this application.

Robert E. Hathaway 167 Potter St. New Bedford MA 02740
 Applicant's Signature Address City

V. OTHER JURISDICTION APPROVALS AND NOTIFICATION

APPROVAL	CHECK	DATE OBTAINED	BY
Electrical			
Plumbing			
Fire Department			
Water			
Planning			
Conservation			
Public Works			
Health			
Licensing			
Other			

VI. ZONING REVIEW

DISTRICT: IND-13 USE: Motor Vehicle Body Repairs

FRONTAGE: 120' LOT SIZE: 26,130 SF

SETBACKS:

FRONT: 61.7' LEFT SIDE: 28.3' RIGHT SIDE: 28.4' REAR: 26.5'

PERCENTAGE OF LOT COVERAGE PRIMARY BUILDING 27%

VARIANCE HISTORY

VII. WORKER'S COMPENSATION INSURANCE AFFIDAVIT

I, Robert Hathaway Jr.

(licensee/permittee) with a principal place of business/residence at:

175 Porter St., New Bedford, MA 02745

(City/State/Zip) do hereby certify, under the pains and penalties of perjury, that:

☐ I am an employer providing worker's compensation coverage for my employees working on this job.

Insurance Company

Policy Number

☐ I am a sole proprietor and have no one working for me.

☒ I am a sole proprietor, general contractor, or homeowner and have hired the contractors listed below who have the following worker's compensation insurance policies:

T.B.D.

Name of contractor

Insurance Company/policy number

T.B.D.

Name of contractor

Insurance Company/policy number

☐ I am a homeowner performing all the work myself.

NOTE: Please be aware that while homeowners who employ persons to do maintenance, construction or repair work on a dwelling of not more than three units in which the homeowner also resides or on the grounds appurtenant thereto are not generally considered to be employers under the Workers' Compensation Act (GL. C. 152, sect. 1(5)), application by a homeowner for a license or permit may evidence the legal status of an employer under the Workers' Compensation Act.

I understand that a copy of this statement will be forwarded to the Department of Industrial Accidents' Office of Insurance for coverage verification and that failure to secure coverage as required under Section 25A of MGL 152 can lead to the imposition of criminal penalties consisting of a fine of up to \$1500.00 and/or imprisonment of up to one year and civil penalties in the form of a Stop Work Order and a fine of \$100.00 a day against me.

Signed this _____ day of _____, 20 _____

COMMONWEALTH OF MASSACHUSETTS
DIVISION OF PROFESSIONAL LICENSURE

BOARD OF
SHEET METAL WORKERS

ISSUES THE FOLLOWING LICENSE AS A
MASTER-UNRESTRICTED

SCOTT M. CURLEY
39 PINE MILL DR
PEMBROKE, MA 02359-3821



[Signature]
LICENSE SIGNATURE

1979

08/28/2017

1157

LICENSE NUMBER EXPIRATION DATE SERIAL NUMBER



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

03/16/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. IF SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Phone: (508) 824-4051 Fax: (508) 822-7654

J R TALLMAN & CO, INC
PO BOX 469 / 12 COURT STREET
TAUNTON MA 02780

Agency Lic#: 1780241

CONTACT MARIA

NAME

PHONE (A/C No. Ext): (508) 824-4051

FAX

(A/C No.): (508) 822-7654

E-MAIL maria@jrtallman.com

ADDRESS

INSURER(S) AFFORDING COVERAGE

NAIC #

INSURER A : TRAVELERS INDEMNITY CO OF AMERICA

25666

INSURER B : TRAVELERS INDEMNITY

25658

INSURER C : TRAVELERS INDEMNITY

25658

INSURER D : GUARD INSURANCE GROUP

INSURER E :

INSURER F :

INSURED

THOMAS J. KENNEDY PLUMBING HEATING AND HVAC INC
1635 BROADWAY
RAYNHAM MA 02767

COVERAGES

CERTIFICATE NUMBER: 23770

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADOL INSD	SUBR XWD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			680-57B1M090-14-42	11/15/15	11/15/16	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED. EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/PO/AGG \$ 2,000,000
B	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS			BA-5781M667-14-SEL	11/15/15	11/15/16	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
C	UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000			CUP-0724T248	11/15/15	11/15/16	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 6,000,000
D	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y/N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	THWC662382	11/15/15	11/15/16	PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE-EA EMPLOYEE \$ 1,000,000 E.L. DISEASE-POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Denise L. McGrail
Denise L. McGrail



The Commonwealth of Massachusetts
Department of Industrial Accidents
Office of Investigations
1 Congress Street, Suite 100
Boston, MA 02114-2017
www.mass.gov/dia

Workers' Compensation Insurance Affidavit: Builders/Contractors/Electricians/Plumbers
Applicant Information **Please Print Legibly**

Name (Business/Organization/Individual): Thomas J. Kennedy Plumbing

Address: 1635 Broadway, Suite #2

City/State/Zip: Raynham, MA 02767

Phone #: (508) 824-6556

Are you an employer? Check the appropriate box:

1. ☒ I am an employer with 39 employees (full and/or part-time).*
2. ☐ I am a sole proprietor or partnership and have no employees working for me in any capacity. [No workers' comp. insurance required.]
3. ☐ I am a homeowner doing all work myself. [No workers' comp. insurance required.]

4. ☐ I am a general contractor and I have hired the sub-contractors listed on the attached sheet. These sub-contractors have employees and have workers' comp. insurance.†
5. ☐ We are a corporation and its officers have exercised their right of exemption per MGL c. 152, §1(4), and we have no employees. [No workers' comp. insurance required.]

Type of project (required):

6. ☐ New construction
7. ☐ Remodeling
8. ☐ Demolition
9. ☐ Building addition
10. ☐ Electrical repairs or additions
11. ☐ Plumbing repairs or additions
12. ☐ Roof repairs
13. ☐ Other _____

*Any applicant that checks box #1 must also fill out the section below showing their workers' compensation policy information.
†Homeowners who submit this affidavit indicating they are doing all work and then hire outside contractors must submit a new affidavit indicating such.
Contractors that check this box must attach an additional sheet showing the name of the sub-contractors and state whether or not those entities have employees. If the sub-contractors have employees, they must provide their workers' comp. policy number.

I am an employer that is providing workers' compensation insurance for my employees. Below is the policy and job site information.

Insurance Company Name: Guardian Insurance Group

Policy # or Self-ins. Lic. #: THWC352140

Expiration Date: 11-15/2016

Job Site Address: _____ City/State/Zip: _____

Attach a copy of the workers' compensation policy declaration page (showing the policy number and expiration date). Failure to secure coverage as required under Section 25A of MGL c. 152 can lead to the imposition of criminal penalties of a fine up to \$1,500.00 and/or one-year imprisonment, as well as civil penalties in the form of a STOP WORK ORDER and a fine of up to \$250.00 a day against the violator. Be advised that a copy of this statement may be forwarded to the Office of Investigations of the DIA for insurance coverage verification.

I do hereby certify under the pains and penalties of perjury that the information provided above is true and correct.

Signature: Thomas J. Kennedy

Date: _____

Phone #: (508) 824-6556

Official use only. Do not write in this area, to be completed by city or town official.

City or Town: _____ Permit/License # _____

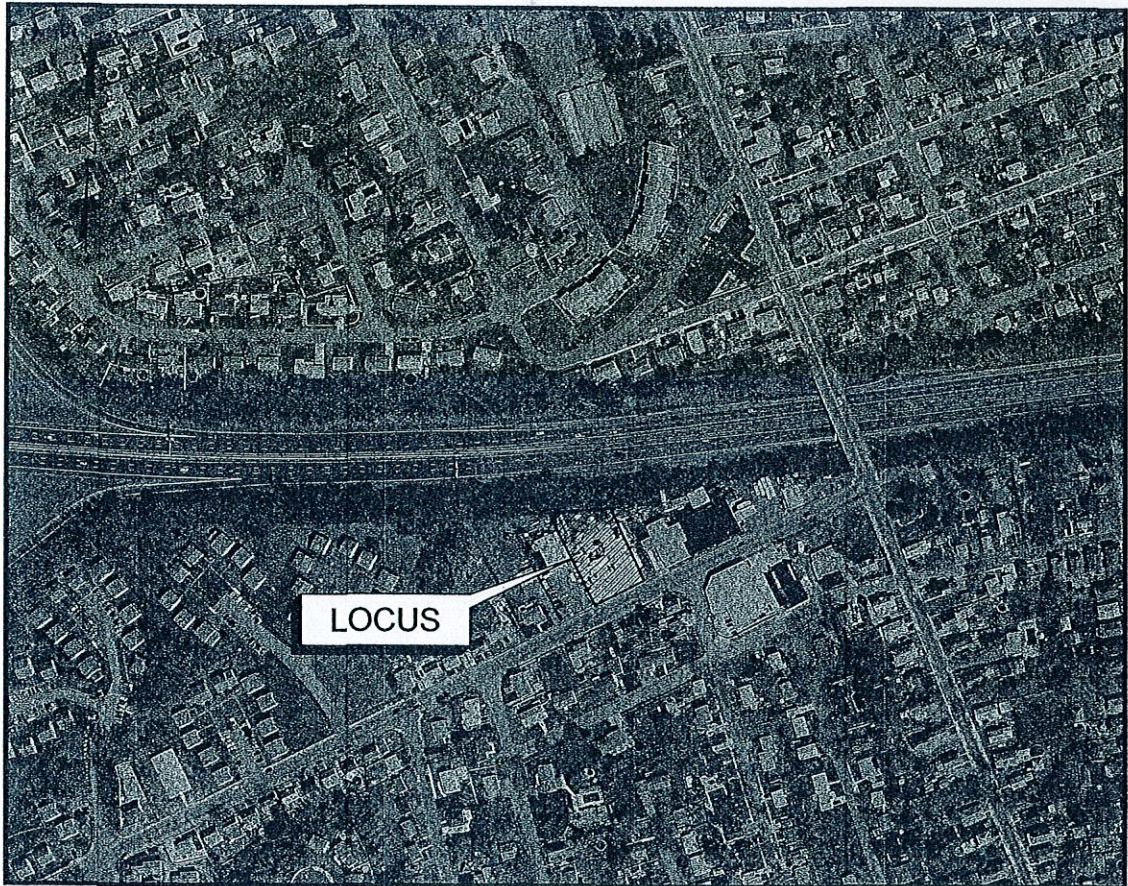
Issuing Authority (circle one):

1. Board of Health 2. Building Department 3. City/Town Clerk 4. Electrical Inspector 5. Plumbing Inspector
6. Other _____

Contact Person: _____ Phone #: _____

PROPOSED SITE DEVELOPMENT HATHAWAY COLLISION CENTER

167 POTTER STREET
NEW BEDFORD, MASSACHUSETTS



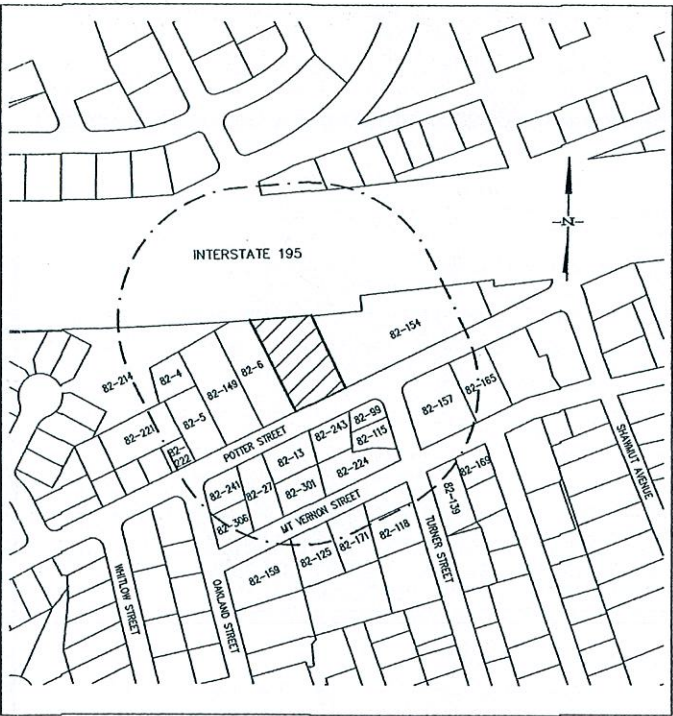
SCALE: 1"=200'

ENGINEER:

FIELD ENGINEERING CO., INC.
11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPOISETT, MA 02739

OWNER/APPLICANT:

HATHAWAY COLLISION CENTER
175 POTTER STREET
NEW BEDFORD, MA 02740



SCALE: 1"=200'

PROJECT LOCATION:

ASSESSORS MAP 82 LOT 108
NEW BEDFORD, MASSACHUSETTS

SITE DRAWINGS

ISSUED FOR: PERMITTING
DATE ISSUED: AUGUST 12, 2016
LATEST ISSUE:

CITY CLERKS OFFICE
NEW BEDFORD, MA

2016 AUG 12 P 2:52

CITY CLERK

INDEX TO DRAWINGS

SHEET	DRAWING TITLE
N-1	TITLE SHEET
EC-1	NOTES & LEGEND
SL-1	EXISTING CONDITIONS
SGU-1	SITE LAYOUT & LANDSCAPING
SEC-1	SITE GRADING & UTILITIES
	SEDIMENT & EROSION CONTROL

--- 300' NOTIFICATION LINE
--- PROJECT SITE

LOT NO.	OWNER OF RECORD
82-4	ROBERT E. HATHAWAY TRS. & JEANNETTE HATHAWAY TRS.
82-5	CHRISTOPHER J. DUMONT TRS. & JEFFREY M. HATHAWAY TRS.
82-6	175 POTTER STREET LLC
82-13	TINA M. LEAHY
82-27	PEDRO J. GONCALVES & SANDRA I. SILVA
82-99	JULIA D. ROSA
82-115	VEIRA SALES ANA MARIA VIERA
82-118	WILLIAM M. & MELISSA WHELAN
82-125	GLADYS GAJ TR. GAJ FAMILY NOMINEE TRUST
82-133	FRANCISCO L. G. & MARIA LURDES FERREIRA
82-139	PAULA MANNING DECRUZ
82-149	JEANNETTE HATHAWAY TRS. HATHAWAY FAMILY NOMINEE
82-154	135 POTTER STREET LLC
82-157	SCOTT D. & DONNA F. HALLMAN
82-159	PIERRE C. P. & LAURA JEAN SEGUIN
82-165	SCOTT D. & DONNA F. HALLMAN
82-169	KATHLEEN MORRIS TRS. CAROLINE STREET REALTY TRUST
82-171	GLADYS GAJ TR. GAJ FAMILY NOMINEE TRUST
82-214	NB HOUSING AUTHORITY
82-221	WENDY PEREIRA
82-222	KEITH R. & MICHELLE T. MILLER
82-224	ROBERT A. FERNANDES
82-241	JOSE & SARA MACEDO
82-243	MARY C. & JOSEPH F. MENDONCA
82-301	VICTOR & SARA RIVERA
82-308	MARIA PARREIRA

PROPOSED
SITE
DEVELOPMENT

167 POTTER STREET
MAP 82 LOT 108
NEW BEDFORD, MA



FIELD
ENGINEERING
CO., INC.
CONSULTING ENGINEERS

11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPOISETT, MA 02739
TEL: (508) 758-2749
FAX: (508) 758-2949

THE CROCKER BUILDING
4 COURT STREET SUITE 104
TAUNTON, MA 02780
TEL: (508) 824-9279
FAX: (508) 824-9276

Project No.

2097

GENERAL CONSTRUCTION NOTES

1. THE MATERIALS AND CONSTRUCTION OF ALL THE PROPOSED WATER, SEWER AND STORM DRAINAGE UTILITIES SHALL CONFORM TO THE LOCAL D.P.W. STANDARDS AND SPECIFICATIONS AS WELL AS ALL APPLICABLE MASSDOT STANDARDS AND SPECIFICATIONS, LATEST EDITION. THE MATERIALS AND CONSTRUCTION OF ALL ELECTRIC, TELEPHONE & CATV UTILITIES SHALL CONFORM TO THE SPECIFICATIONS OF EACH RESPECTIVE PUBLIC UTILITY PROVIDER.
2. ALL CONSTRUCTION MATERIALS, AS WELL AS ALL MATERIAL SHOP DRAWINGS AND MANUFACTURERS DATA SHALL RECEIVE THE WRITTEN APPROVAL OF THE LOCAL D.P.W. AND THE PROJECT ENGINEER PRIOR TO FABRICATION AND INSTALLATION.
3. THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES SHALL BE CONSIDERED APPROXIMATE AND MUST BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY CONSTRUCTION. UNDERGROUND UTILITIES SHOWN ARE FROM FIELD OBSERVATION AND THE BEST AVAILABLE RECORD INFORMATION AND ARE NOT WARRANTED TO BE EXACT, NOR IS IT WARRANTED THAT ALL UNDERGROUND PIPES OR STRUCTURES ARE SHOWN. THE CONTRACTOR SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES RELATIVE TO THE LOCATION AND ELEVATION OF ALL EXISTING LINES.
4. THE CONTRACTOR SHALL CONTACT "DUG SAFE" AT 1-800-332-4844, 72 HOURS PRIOR TO ANY EXCAVATION AND/OR SUBSURFACE TESTING TO INFORM THE UTILITY COMPANIES OF ANY EXCAVATION.
5. WHENEVER EXISTING STRUCTURES ARE ENCOUNTERED, THE CONTRACTOR SHALL REPAIR ANY DAMAGED STRUCTURES OR REPLACE ANY REMOVED STRUCTURES, AND MAKE ANY IMPROVEMENTS ABOVE OR BELOW GRADE TO A CONDITION BETTER THAN OR EQUAL TO PRE-EXISTING CONDITIONS.
6. ALL EXCAVATED MATERIAL DESIGNATED FOR REUSE SHALL BE STOCKPILED ON SITE NO HIGHER THAN 8 FEET AND SHALL BE ENCLOSED BY TEMPORARY SILT FENCES TO PREVENT TRAVEL OF SEDIMENT TO ADJACENT PROPERTIES OR DRAINAGE WAYS. STOCKPILES SHALL NOT BE ALLOWED WITHIN THE 100' WETLAND BUFFER ZONE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL WASTE MATERIAL AT AN APPROVED LOCATION. BURNING OF WASTE MATERIAL ON SITE WILL NOT BE PERMITTED.
8. EROSION CONTROL MEASURES SHALL REMAIN IN PLACE AND MAINTAINED IN GOOD CONDITION UNTIL SURFACE RESTORATION IS COMPLETE AND ALL AREAS DISTURBED BY THE CONTRACTORS OPERATIONS ARE STABILIZED.
9. THE CONTRACTOR SHALL PROTECT ADJACENT PROPERTIES FROM ON SITE CONSTRUCTION ACTIVITIES AND REMOVE ANY SEDIMENT OR DEBRIS DEPOSITED THEREON IMMEDIATELY.
10. DRAINAGE GENERATED AS A RESULT OF TRENCH DRAINING SHALL BE DISCHARGED TO EXISTING DRAINAGE COURSES WITH PROPER EROSION CONTROL, AND DRAINAGE MEASURES SUBJECT TO APPROVAL BY THE PROJECT ENGINEER. DIRECT DISCHARGE INTO PAVEMENT, WETLANDS OR PRIVATE PROPERTY SHALL NOT BE ALLOWED WITHOUT CONSENT OF THE PROJECT ENGINEER AND THE OWNER.
11. THE OWNER AND THE PROJECT ENGINEER SHALL APPROVE ALL FIELD CHANGES IN THE WORK PRIOR TO IMPLEMENTATION. NO FIELD CHANGES SHALL BE MADE IN ANY SPECIFIED SITE WORK OR ANY MATERIALS FOR WHICH SHOP DRAWINGS HAVE BEEN SUBMITTED AND APPROVED WITHOUT PRIOR CONSULTATION OF THE OWNER AND THE PROJECT ENGINEER. ANY CHANGES SO MADE WITHOUT THE CONSENT OF THE OWNER AND THE PROJECT ENGINEER SHALL BE DEEMED UNACCEPTABLE BY EITHER PARTY, BE PROMPTLY REMOVED FROM THE WORK AT NO EXPENSE TO THE OWNER OF THE PROJECT.
12. ANY WORK OR MATERIALS NOT MEETING THE APPROVED STANDARDS AND SPECIFICATIONS OF THE LOCAL DEPT. OF PUBLIC WORKS SHALL BE IMMEDIATELY REMOVED AND REPLACED AT THE FULL RESPONSIBILITY AND COST/EXPENSE TO THE CONTRACTOR.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE PREPARATION, THE COORDINATION AND INSTALLATION OF ALL UTILITY CONNECTIONS, AND RELATED WORK INCLUDING BUT NOT LIMITED TO ALL NECESSARY SHORING, BRACING AND TRENCH DRAINING FOR THE COMPLETE INSTALLATION OF THE PROJECT FACILITIES DURING CONSTRUCTION.
14. ALL OPEN EXCAVATIONS SHALL BE ADEQUATELY SAFEGUARDED IN STRICT ACCORDANCE WITH OSHA GUIDELINES AND TO THE SATISFACTION OF THE LOCAL POLICE DEPARTMENT. PROVISIONS FOR TEMPORARY BARRICADES, CAUTION SIGNS, LIGHTS AND OTHER MEANS TO PREVENT ACCESS TO PROPERTY ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE SUITABLE AND SAFE BRIDGES AND OTHER CROSSINGS FOR ACCOMMODATING TRAVEL BY PEDESTRIANS AND WORKMEN. NO EXCAVATIONS SHALL REMAIN OPEN OVERNIGHT.
15. REFER TO CONSTRUCTION DETAIL SHEETS FOR ADDITIONAL UTILITY REQUIREMENTS AND SPECIFICATIONS.
16. THESE PLANS HAVE BEEN PREPARED SPECIFICALLY AS SUPPLEMENTAL INFORMATION TO ACCOMPANY APPLICABLE PERMIT APPLICATIONS AND ARE NOT INTENDED FOR ACTUAL CONSTRUCTION WITHOUT THE EXPRESSED WRITTEN APPROVAL OF FIELD ENGINEERING CO., INC.
17. IN THE EVENT OF AN INCONSISTENCY BETWEEN THESE SPECIFICATIONS AND THE LOCAL D.P.W. THE LOCAL D.P.W. SPECIFICATIONS SHALL GOVERN. THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE SPECIFICATIONS FROM THE LOCAL DEPARTMENT OF PUBLIC WORKS.
18. ANY UNLAWFUL MODIFICATIONS (AS DETERMINED BY THE CITY ENGINEER) TO THE INFORMATION SHOWN ON THE APPROVED SITE PLANS SHALL BE SUBMITTED TO THE CITY ENGINEER AS A MINOR PLAN REVISION FOR APPROVAL PRIOR TO THE WORK BEING PERFORMED.
19. ALL HANDICAP PARKING, RAMPS, AND ACCESS SHALL CONFORM TO AAB & MAAS REQUIREMENTS.
20. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION. EROSION CONTROL SHALL CONFORM TO THE CITY OF NEW BEDFORD CONSERVATION COMMISSION REQUIREMENTS AS STATED IN THE ORDER OF CONDITIONS (REFER TO SITE GRADING AND LAYOUT PLAN FOR EROSION CONTROL LOCATIONS).
21. ALL PAVEMENT MARKINGS AND SIGNS SHALL CONFORM TO MUTCD REQUIREMENTS.

LEGEND	EXISTING	PROPOSED
INTERMEDIATE CONTOUR	42	42
INDEX CONTOUR	40	40
SPOT ELEVATION	123.4	123.4
SEWER MANHOLE		
DRAIN MANHOLE		
ROOF DRAIN		
CATCH BASIN		
FLARED END		
RIP-RAP		
UNDERGROUND WATER		
WATER FIRE SERVICE		
WATER DOMESTIC SERVICE		
HYDRANT		
WATER GATE		
TEE		
TAPPING SLEEVE & GATE VALVE		
GAS GATE		
UNDERGROUND GASLINE		
UNDERGROUND ELECTRIC CABLE & TELEPHONE		
LIGHT POLE		
UTILITY POLE		
QUY WIRE		
OVERHEAD WIRE		
HANDICAP RAMP		
CONCRETE		
BITUMINOUS CONCRETE		
TREE		
TREE LINE		
BUILDING		
CONCRETE CURB		
BIT CONC BERM		
POST & RAIL FENCE		
CHAIN LINK FENCE		
SIGN		
SOIL TEST PIT		
BORDERING VEGETATED WETLAND & FLAG NO.		
WETLAND PROTECTION ZONE		

EROSION & SEDIMENTATION CONTROL PROGRAM

1. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL BE EXECUTED IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS AND THE NPDES STORMWATER POLLUTION PREVENTION PLAN (SWPPP).
2. THOSE AREAS UNDERGOING ACTUAL CONSTRUCTION WILL BE LEFT IN AN UNTREATED OR UNVEGETATED CONDITION FOR A MINIMUM TIME. AREAS SHALL BE PERMANENTLY STABILIZED WITHIN 15 DAYS OF FINAL GRADING AND TEMPORARILY STABILIZED WITHIN 30 DAYS OF INITIAL DISTURBANCE OF THE SOIL. IF THE DISTURBANCE IS WITHIN 100 FEET OF A WETLAND RESOURCE AREA, THE DISTURBED AREAS SHALL BE STABILIZED WITHIN 7 DAYS OR PRIOR TO ANY FORECASTED STORM EVENT.
3. SEDIMENT BARRIERS (SILT FENCE, HAY BARRIERS, ETC.) SHOULD BE INSTALLED PRIOR TO ANY SOIL DISTURBANCE OF THE UPDRAINING CONTRIBUTING DRAINAGE AREA. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 8:1 AFTER OCTOBER 1ST.
4. INSTALL SILT FENCE AT TOE OF SLOPE TO FILTER SILT FROM RUNOFF. SEE SILT FENCE DETAIL FOR PROPER INSTALLATION. SILT FENCE WILL REMAIN IN PLACE PER NOTE #5.
5. ALL EROSION CONTROL STRUCTURES WILL BE INSPECTED, REPLACED AND/OR REPAIRED EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL, SNOW MELT OR WHEN NO LONGER SERVOABLE DUE TO SEDIMENT ACCUMULATION OR DECOMPOSITION. SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH STORM EVENT AND WHEN THE DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSTREAM ARE STABILIZED BY TURF.
6. NO SLOPES, EITHER PERMANENT OR TEMPORARY, SHALL BE STEEPER THAN TWO TO ONE (2 TO 1) UNLESS NOTED OTHERWISE.
7. IF FINAL SEEDING OF THE DISTURBED AREAS IS NOT COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST, USE TEMPORARY MULCH OR DORMANT SEEDING TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.
8. TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINAL GRADED SHALL BE COMPLETED 45 DAYS PRIOR TO THE FIRST KILLING FROST TO PROTECT FROM SPRING RUNOFF PROBLEMS.
9. REVEGETATION MEASURES WILL COMMENCE UPON COMPLETION OF CONSTRUCTION EXCEPT AS NOTED ABOVE. ALL DISTURBED AREAS NOT OTHERWISE STABILIZED WILL BE GRADED, SMOOTHED, AND PREPARED FOR FINAL SEEDING AS FOLLOWS:
 - A) THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL BE PLACED TO A DEPTH OF FOUR (4) INCHES ON ALL LOAM AND SEED AREAS OR AS SPECIFIED ON THE DRAWINGS.
 - B) APPLY FERTILIZER AT A RATE OF 800 LB PER ACRE OR 18.4 LB PER 1,000 SF. APPLY GROUND LIMESTONE EQUIVALENT TO 50% CALCIUM PLUS MANGANESE OXIDE AT A RATE OF 3 TONS PER ACRE OR 138 LB PER 1,000 SF.
 - C) THE DESIGN MIX FOR SEEDING SHALL BE IN ACCORDANCE WITH THE FOLLOWING TABLE. THE SEED MIX SHALL BE INOCULATED WITHIN TWENTY-FOUR (24) HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
10. MULCH AND SEED AREAS - MASSDOT SPEC M6.03.0

TYPE	% BY WEIGHT
RED FESCUE	50
KENTUCKY 31	30
DOMESTIC RYE	10
RED TOP	5
LAUREL CLOVER	5
APPLICATOR RATE	4.0 LBS./1000 S.F.
11. HAY OR STRAW MULCH SHALL BE LOOSELY SPREAD TO A UNIFORM DEPTH AT THE RATE OF 4.5 TONS PER ACRE EXCEPT OVER CERTAIN SELECTED SEEDER AREAS WHERE 2 TONS PER ACRE SHALL BE USED AS DIRECTED BY THE ENGINEER AND/OR THE PLANNING BOARD. A HYDRO-APPLICATION OF WOOD OR PAPER FIBER SHALL BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS WILL BE USED ON HAY MULCH FOR WIND CONTROL.
12. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE IS STABILIZED TO THE SATISFACTION OF THE PROJECT ENGINEER AND/OR THE CONSERVATION COMMISSION.
13. ADJACENT PROPERTIES WILL BE PROTECTED WITH HAY BALES AND/OR SILT FENCING INSTALLED AS SHOWN ON THE DRAWINGS. ADDITIONAL HAY BALES OR BAGS SHALL BE LOCATED AS CONDITIONS WARRANT OR AS DIRECTED BY THE PROJECT ENGINEER AND/OR THE CONSERVATION COMMISSION.
14. TEMPORARY HAY-BALE EROSION CHECKS OR FILTER FABRIC GRATE INSERTS SHALL BE PROVIDED AT ALL DRAINAGE STRUCTURE INLETS DURING CONSTRUCTION. UPON COMPLETION OF CONSTRUCTION AND SATISFACTORY STABILIZATION OF DISTURBED AREAS, THE CONTRACTOR SHALL CLEAN ALL CATCH BASIN SUMPS AND DRAIN INVERTS.
15. THE CONTRACTOR MUST REPAIR OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE OWNER.
16. THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1ST THROUGH JUNE 15TH AND AUGUST 15TH THROUGH SEPTEMBER 30TH.
17. STOCKPILES OF TOP SOIL SHALL NOT BE LOCATED NEAR WATERWAYS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 1:1.

MULCH AND MULCH ANCHORING

MULCH LOCATION	MULCH	RATE (1,000 S.F.)
MILD SLOPES LESS THAN 3:1	STRAW OR HAY	200 POUNDS
HIGH WIND VELOCITY AREAS	SHREDDED "M" CHOPPED CORNSTALKS	200-275 POUNDS
MODERATE TO HIGH VELOCITY AREAS	ANCHORED STRAW OR HAY (1)	200 POUNDS
STEEP SLOPES GREATER THAN 3:1	JUTE MESH OR EXCELISOR MAT	AS REQUIRED
	JUTE MESH OR EXCELISOR MAT	AS REQUIRED

(1) A HYDRO-APPLICATION OF WOOD OR PAPER FIBER MAY BE APPLIED FOLLOWING SEEDING. A SUITABLE BINDER SUCH AS CURASOL OR RMB PLUS SHALL BE USED ON HAY MULCH FOR WIND CONTROL.

MULCH ANCHORING MAY BE ACCOMPLISHED WITH PEG AND TWINE (1 SQ. YD./BLOCK); MULCH NETTING (PER MANUFACTURERS SPECIFICATIONS); WOOD CELLULOSE FIBER (750 LBS/ACRE); OR CHEMICAL TACK (PER MANUFACTURERS SPECIFICATIONS).

EROSION CONTROL NOTES DURING CONSTRUCTION

1. CONSTRUCTION ACTIVITY EXECUTED DURING THE WINTER CONSTRUCTION PERIOD BETWEEN NOVEMBER 1 THROUGH APRIL 15 SHALL BE SUBJECT TO THE FOLLOWING ADDITIONAL REQUIREMENTS.
2. WINTER EXCAVATION AND EARTHWORK SHALL BE DONE SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.
3. EXPOSED AREA SHOULD BE LIMITED TO THAT WHICH CAN BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT.
4. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED SUCH THAT NO AREA IN EXCESS OF ONE ACRE IS WITHOUT EROSION CONTROL PROTECTION.
5. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AND ADEQUATELY ANCHORED BY AN APPROVED ANCHORING TECHNIQUE.
6. BETWEEN THE DATES OF OCTOBER 15 AND APRIL 15, LOAM OR SEED WILL NOT BE PERMITTED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES, THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDING AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED.
7. IF THE DATE IS AFTER NOVEMBER 1ST AND IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED AND IS SMOOTH, THEN THE AREA MAY BE DORMANT SEEDING AT A RATE OF 200 TO 300K HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. SLOPES SHALL NOT BE LEFT UNEXPOSED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS TREATED IN THE ABOVE MANNER.
8. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF HAY BALE/SAND BAG CHECK DAMS.
9. BETWEEN THE DATES OF NOVEMBER 1ST AND APRIL 15TH ALL MULCH SHALL BE ANCHORED BY EITHER PEG LINE, MULCH NETTING, ASPHALT EMULSION CHEMICAL, TRUCK OR WOOD CELLULOSE FIBER.
10. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS WITH A SLOPE GREATER THAN 3% . FOR SLOPES EXPOSED TO DIRECT WINDS, AND FOR ALL OTHER SLOPES GREATER THAN 8%.
11. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL AREAS WITH SLOPES GREATER THAN 15% AFTER OCTOBER 1ST THE SAME APPLIES FOR ALL SLOPES GREATER THAN 8%.
12. ALL EROSION MITIGATION SHALL BE IN PLACE PRIOR TO ANY SOIL DISTURBANCE ACTIVITIES ON THE SITE.

DUST CONTROL NOTES DURING CONSTRUCTION

1. DUST SHALL BE CONTROLLED BY THE CONTRACTOR AS NEEDED, OR AS DIRECTED BY THE TOWN OR OWNER BY USING ONE OF THE FOLLOWING TWO METHODS:
 - A) WATER THE CONTRACTOR SHALL SPRAY WATER OVER EXPOSED SOIL SURFACES UNTIL MOISTENED AS NEEDED TO CONTROL DUST.
 - B) CALCIUM CHLORIDE CALCIUM CHLORIDE SHOULD BE EITHER LOOSE DRY GRANULES OR FLAKES FINE ENOUGH TO FEED THROUGH A SPREADER AT A RATE THAT WILL KEEP THE SURFACE MOIST BUT NOT CAUSE POLLUTION OR PLANT DAMAGE. CONTRACTOR SHALL NOT USE CALCIUM CHLORIDE ON STEEPER SLOPES (GREATER THAN 3:1) OR IN AREAS THAT WILL DRAIN DIRECTLY TOWARDS THE WETLANDS.
2. SPECIAL CONSIDERATION FOR DUST CONTROL SHALL BE GIVEN AT ALL SITE ACCESS DRIVEWAYS TO MINIMIZE THE AMOUNT OF DUST IN THE STREETS.
3. ALTERNATIVE METHODS FOR DUST CONTROL SUCH AS THE USE OF MULCH OR SPRAY ON ADHESIVES SHALL BE REVIEWED WITH THE PROJECT ENGINEER PRIOR TO THEIR IMPLEMENTATION.

STORMWATER MANAGEMENT SYSTEM OPERATION AND MAINTENANCE PLAN

NAME AND CURRENT ADDRESS OF THE APPLICANT/OWNER

HATHAWAY COLLISION CENTER

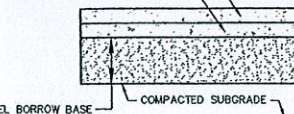
175 POTTER STREET

NEW BEDFORD, MASSACHUSETTS 02744

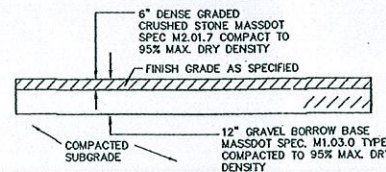
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF ALL STORMWATER MANAGEMENT FACILITIES UNTIL SUCH TIME AS THE STORMWATER MANAGEMENT SYSTEM IS ACCEPTED BY THE OWNER. THEREAFTER THE OWNER SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF THE STORMWATER FACILITIES IN ACCORDANCE WITH THIS OPERATION AND MAINTENANCE PLAN AS WELL AS THE CONTINUING CONDITIONS OF THE CERTIFICATE OF COMPLIANCE ON THE PROPERTY.
2. ALL STRUCTURAL BEST MANAGEMENT PRACTICES (BMP'S) INCLUDING SHOULD BE INSPECTED AFTER EVERY MAJOR RAINFALL EVENT EXCEEDING 1.0-INCH FOR THE FIRST 6 MONTHS AFTER CONSTRUCTION TO ENSURE PROPER STABILIZATION AND CONSTRUCTION.
3. THEREAFTER, REGULAR BMP INSPECTIONS SHOULD BE CONDUCTED ACCORDING TO THE FOLLOWING SCHEDULE:

BMP STRUCTURE	INSPECTIONS PER YEAR
ROOF DRAIN RECHARGE SYSTEM	1
THE DRIVEWAY AND PAVED PARKING AREAS SHALL BE SWEEPED AT LEAST TWICE PER YEAR.	
4. NO DISPOSAL OF MATERIALS WILL BE PERMITTED WITHIN THE AND OF THE STORMWATER MANAGEMENT SYSTEM BMP'S. THIS PROHIBITION APPLIES TO TRASH, FILL MATERIAL, CONSTRUCTION DEBRIS, GRASS CLIPPINGS, COLLECTED LEAVES, AND CUT BRANCHES.

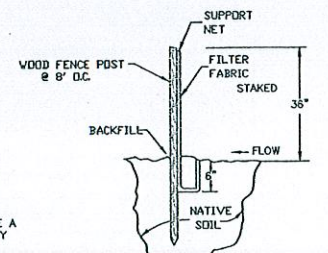
- 1 1/2" TOP COURSE (TYPE I-1 HMA)
- 1 1/2" DENSE BINDER COURSE (TYPE I-1 HMA)



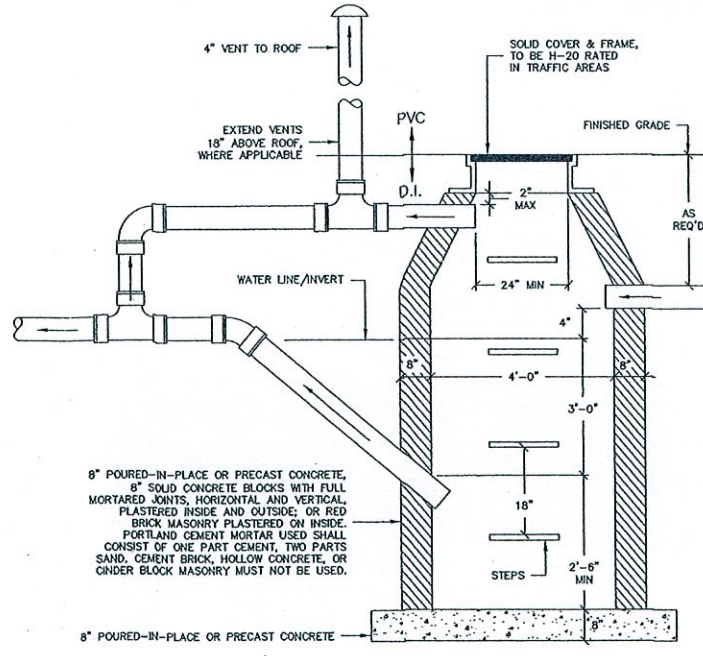
TYPICAL STANDARD PAVEMENT SECTION
NOT TO SCALE



GRAVEL ACCESS ROAD AND PARKING AREA SECTION
NOT TO SCALE

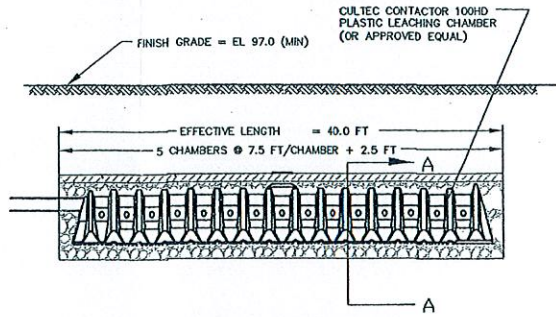


TYPICAL SILT FENCE DETAIL
NOT TO SCALE

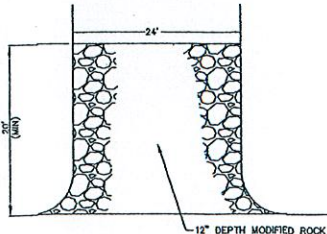


OIL/WATER SEPARATOR
NOT TO SCALE

- NOTES
1. STRUCTURE SHALL BE SET ON MIN. 12" CRUSHED STONE BEDDING.
 2. STRUCTURE SHALL BE GRANULAR FILL BACKFILLED.
 3. PRECAST CONCRETE UNITS PER ASTM C478 (LATEST) AND MIN. 0.12 SQ. IN. STEEL PER VERTICAL FOOT PER AASHTO M199 ALLOWED ONLY BY SHOP DWG. APPROVAL.



ROOF DRAIN RECHARGE SYSTEM



TEMPORARY CONSTRUCTION PAD
NOT TO SCALE

NOTE: TEMPORARY CONSTRUCTION PADS TO BE PLACED AT ALL CONSTRUCTION ENTRANCES OFF POTTER STREET TO MINIMIZE TRACKING OF MATERIAL ONTO THE PUBLIC WAY

GENERAL ABBREVIATIONS

ABANDON	ABANDON	MONUMENT
ADJUST	ADJUST	NOT IN CONTRACT
APPROX.	APPROXIMATE	NATIONAL GEOGRAPHIC
AS	AS	NOW OR FORMERLY
BD	BOUND	ON CENTER
BT CONC.	BITUMINOUS CONCRETE	OVERHEAD WIRE
BY OTHERS	BY OTHERS	PROFILE GRADE LINE
CH	CHAIN	PROPOSED
CH	CHAIN	POLYVINYLCHLORIDE PIPE
CH	CHAIN	PAVEMENT
CH	CHAIN	PAVED WATERWAY
CH	CHAIN	RELOCATED
CH	CHAIN	REMOVE AND DISPOSE
CH	CHAIN	REMOVE AND RESET
CH	CHAIN	REMOVE AND STACK
CH	CHAIN	RESET EX. GRANITE CURB
CH	CHAIN	REMOVE
CH	CHAIN	RELOC.
CH	CHAIN	REINFORCED CONCRETE PIPE
CH	CHAIN	RETAIN
CH	CHAIN	RIGHT OF WAY
CH	CHAIN	RAILROAD
CH	CHAIN	STONE BOUND/DRILL HOLE
CH	CHAIN	SHOULDER
CH	CHAIN	SLOPED GRANITE CURB
CH	CHAIN	STATION
CH	CHAIN	TEMPORARY BENCH MARK
CH	CHAIN	TOP OF CURB
CH	CHAIN	TOP OF SLOPE
CH	CHAIN	TAPPING SLEEVE, VALVE AND BOX
CH	CHAIN	TYPICAL
CH	CHAIN	TOP OF WALL
CH	CHAIN	UNDER CONSTRUCTION
CH	CHAIN	U.S. GEOLOGICAL SURVEY
CH	CHAIN	VERTICAL
CH	CHAIN	VERT. GRANITE CURB
CH	CHAIN	WHEELCHAIR RAMP

FIELD ENGINEERING CO., INC. CONSULTING ENGINEERS

110 INDUSTRIAL DRIVE
P.O. BOX 1178
HATTAPQUSETT, MA 02739
TEL: (508) 758-2749
FAX: (508) 758-2849

THE CROCKER BUILDING
4 COURT STREET SUITE 104
TAUNTON, MA 02780
TEL: (508) 824-9279
FAX: (508) 824-9276

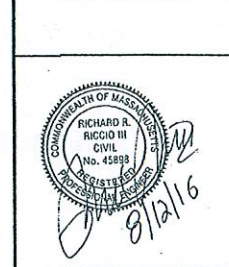
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Date: 8/12/16

Scale: N.T.S.

Drawn By: RMS
Designed By: RRR
Checked By: RRR

Issued For: PERMITTING



PROPOSED SITE DEVELOPMENT
HATHAWAY COLLISION CENTER

167 POTTER STREET
NEW BEDFORD, MASSACHUSETTS

Notes & Details

Project No. 2097
Sheet 2 OF 6

N-1

CITY CLERK

3. THE SUBJECT PARCEL IS NOT LOCATED WITHIN ANY SPECIAL FLOOD HAZARD ZONES AS SHOWN ON THE CITY OF NEW BEDFORD FIRM, COMMUNITY-PANEL NUMBER 255216-0389-F EFFECTIVE DATE JULY 7, 2009.

PLAN BOOK 174 PAGE 22

82/154
N/F
135 POTTER STREET LLC

HAZARD
NOTIFY CITY OF NEW BEDFORD
TO INSPECT CATCH BASIN BRICK
UNDER FRAME WASHED OUT
POSSIBLE COLLAPSE WITH TRUCK TRAFFIC

Issued For	
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PERMITTING

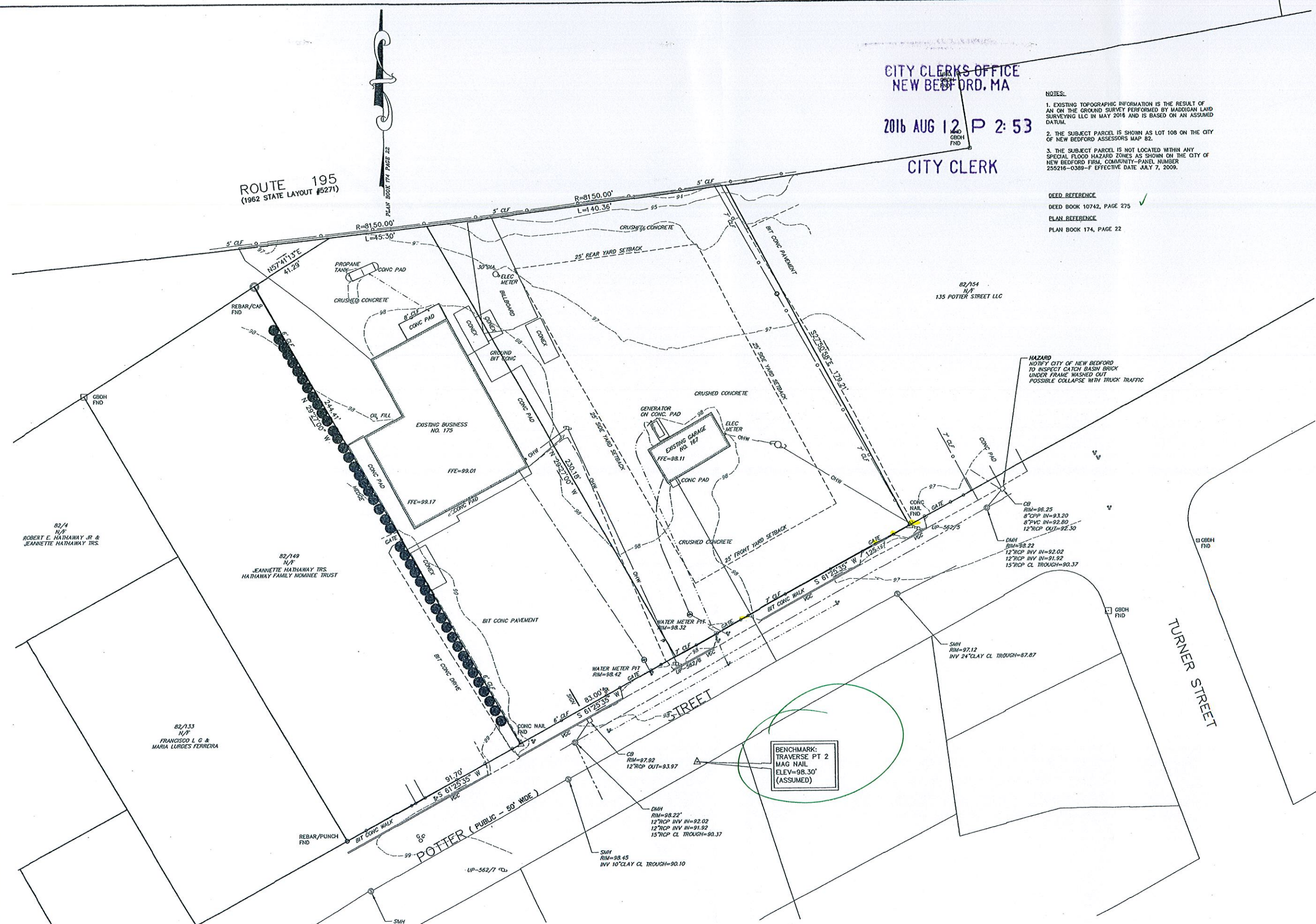
PROPOSED SITE DEVELOPMENT
HATHAWAY COLLISION CENTER

167 POTTER STREET
NEW BEDFORD, MASSACHUSETTS

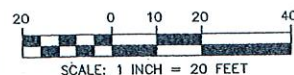
EXISTING CONDITIONS

Sheet
3 OF 6

EC-1



097 SITE



CATEGORY: BUSINESSES ENGAGED IN RETAIL SALE, RENTAL, REPAIR, SERVICING, STORAGE AND DISTRIBUTION OF MOTOR VEHICLES, TRAILERS, CAMPERS, BOATS, FURNITURE OR BUILDING MATERIALS

PARKING REQUIRED: ONE (1) SPACE PER EACH 400 SQ. FT. OF GROSS FLOOR AREA, BUT NOT LESS THAN TWO (2) SPACES FOR EACH BUSINESS USE INTENDED TO OCCUPY THE PREMISES.

GROSS FLOOR AREA = 7,000 S.F.
7,000 S.F. x 1 SPACE / 400 S.F. = 18 SPACES

PARKING PROVIDED: 18 PARKING SPACES (NOT INCLUDING GARAGE BAYS AND LOADING AREAS)
2 LOADING SPACES

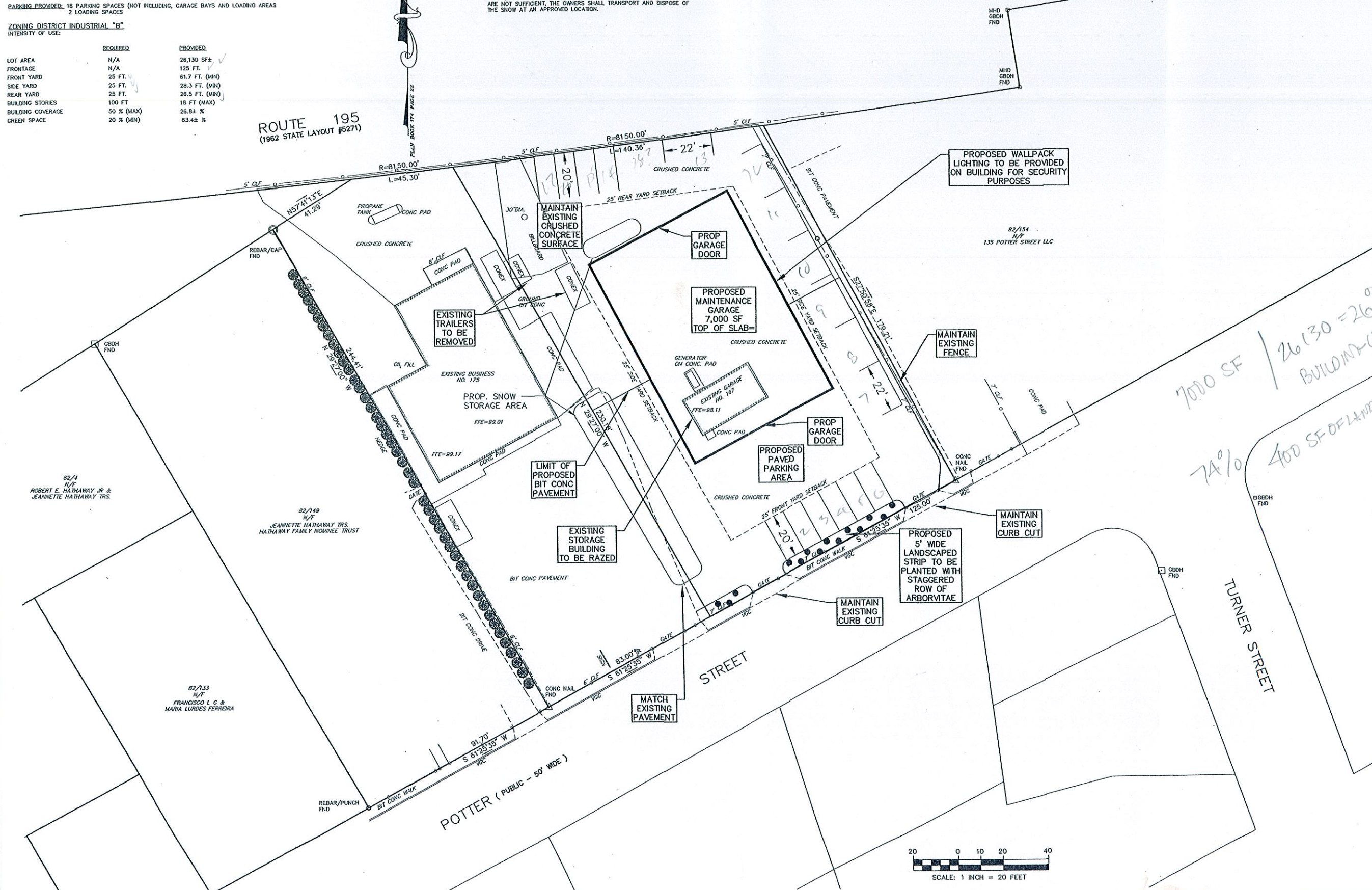
ZONING DISTRICT INDUSTRIAL "B"
INTENSITY OF USE:

	REQUIRED	PROVIDED
LOT AREA	N/A	26,130 SF
FRONTAGE	N/A	125 FT.
FRONT YARD	25 FT.	61.7 FT. (1)
SIDE YARD	25 FT.	28.3 FT. (1)
REAR YARD	25 FT.	28.5 FT. (1)
BUILDING STORIES	100 FT	18 FT (MAX)
BUILDING COVERAGE	50 % (MAX)	26.8% ±
GREEN SPACE	20 % (MIN)	63.4% ±

PROPOSED SNOW MANAGEMENT NOTES

1. SNOW SHALL BE STOCKPILED IN THE AREAS AS GENERALLY SHOWN ON THIS PLAN. NO SNOW SHALL BE DEPOSITED DIRECTLY ONTO THE ADJACENT ROADWAY LAYOUT, OR ADJACENT PROPERTIES WITHOUT THE OWNER'S CONSENT. IN ADDITION, NO SNOW STOCKPILES SHALL DISTORT AND BLOCK THE LINES OF SITE VEHICLES ON THE ADJACENT ROADWAYS OR LEAVING THE SITE DRIVEWAYS

2. IN THE EVENT THAT THE SNOW STORAGE AREAS SHOWN ON THE PLAN ARE NOT SUFFICIENT, THE OWNERS SHALL TRANSPORT AND DISPOSE OF THE SNOW AT AN APPROVED LOCATION.



**FIELD
ENGINEERING
CO., INC.**
CONSULTING ENGINEERS

11D INDUSTRIAL DRIVE
P.O. BOX 1178
MATTAPOISETT, MA 02739
TEL: (508) 758-2749
FAX: (508) 758-2849

THE CROCKER BUILDING
4 COURT STREET SUITE 104
TAUNTON, MA 02780
TEL: (508) 824-9279
FAX: (508) 824-9276

[illegible]

Date 8/12/16

Scale 1"=20'

Drawn By RMS	Designed By RRR	Checked By RRR
-----------------	--------------------	-------------------

Issued For

PERMITTING

PROPOSED SITE DEVELOPMENT
HATHAWAY COLLISION CENTER

167 POTTER STREET
NEW BEDFORD, MASSACHUSETTS

Drawing Title

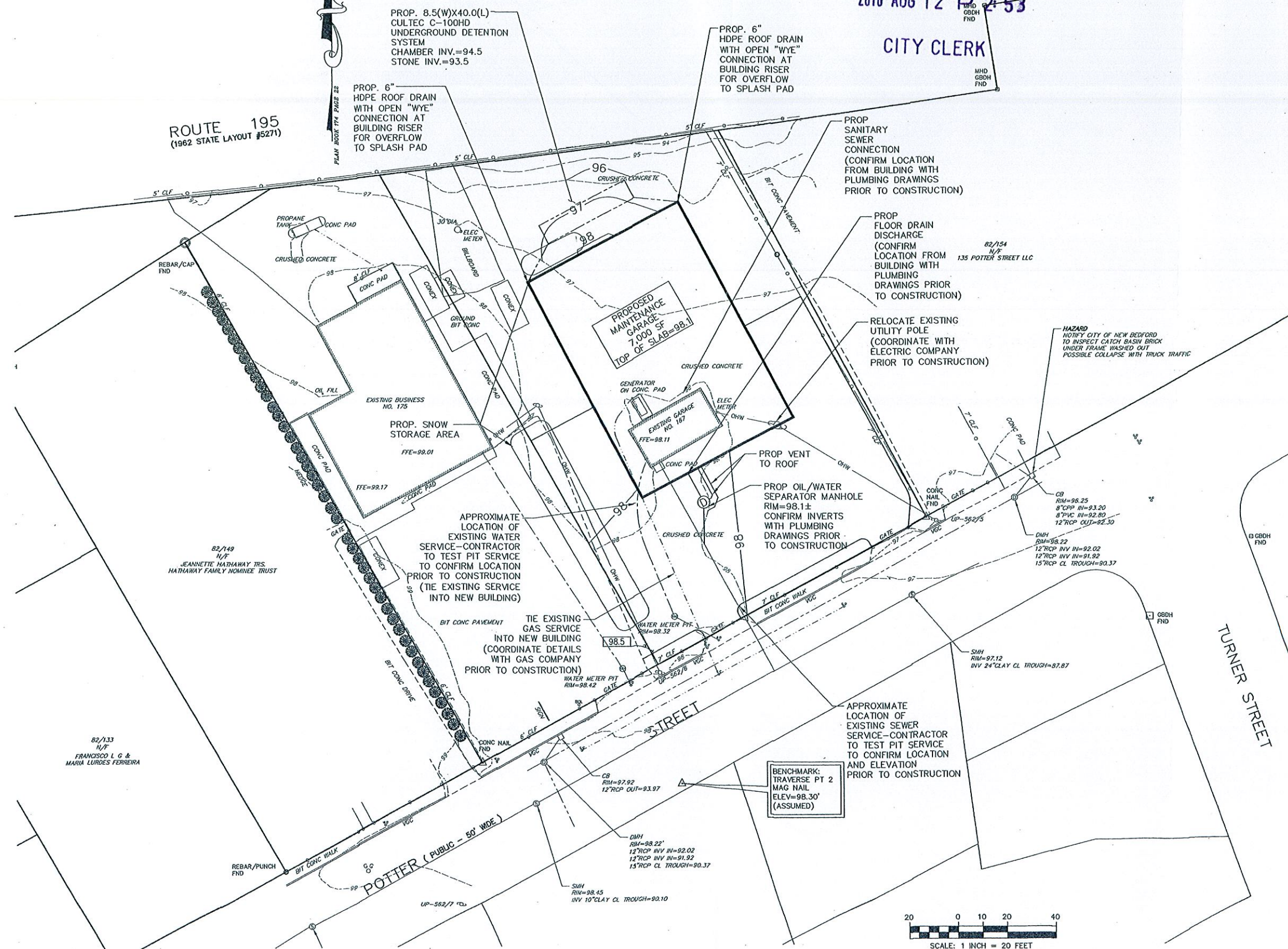
**SITE LAYOUT
& LANDSCAPING**

Project No.	Sheet
2097	4 OF 6

SL-1

2016 AUG 12 P 2:53

CITY CLERK

[illegible]

No.	Description	Date	App
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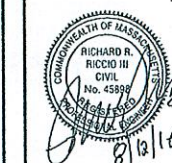
Date 8/12/16

Scale 1"=20'

Drawn By RMS	Designed By RRR	Checked By RRR
-----------------	--------------------	-------------------

Issued For

PERMITTING

PROPOSED SITE DEVELOPMENT
HATHAWAY COLLISION CENTER

167 POTTER STREET
NEW BEDFORD, MASSACHUSETTS

Drawing Title

**SITE GRADING
& UTILITIES**

Project No.	Sheet
2097	5 OF 6

SGU-1

CITY CLERK

ROUTE 195
(1962 STATE LAYOUT #5271)

— PROP SILT FENCE
LINE SHALL
SERVE AS LIMIT
OF WORK (TYP)

82/154
N/F
135 POTTER STREET LLC

PROPOSED
MAINTENANCE
GARAGE
7,000 SF
TOP OF SLAB=98.11

HAZARD
NOTIFY CITY OF NEW BEDFORD
TO INSPECT CATCH BASIN ERICK
UNDER FRAME WASHED OUT
POSSIBLE COLLAPSE WITH TRUCK TRAFFIC

— INSTALL SILT SACKS
IN EXIST. CB'S (TYP.)

PERMITTING

PROPOSED SITE DEVELOPMENT
HATHAWAY COLLISION CENTER

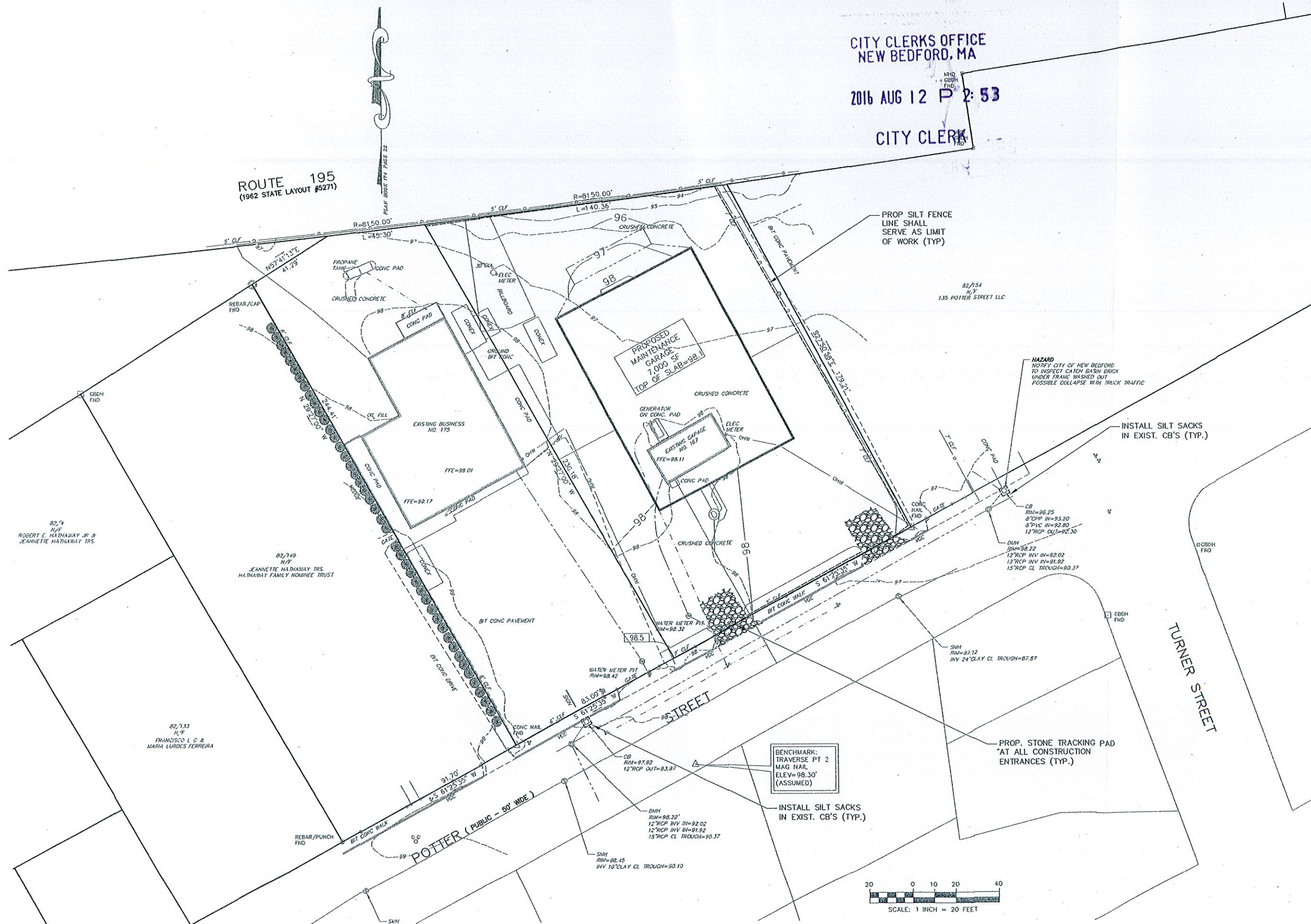
167 POTTER STREET
NEW BEDFORD, MASSACHUSETTS

Drawing Title

SEDIMENT &
EROSION CONTROL

Project No.	Sheet
2097	6 OF 6

EROS-1



GENERAL NOTES:

REFER TO PLAN BOOK 158, PAGE 102.
REFER TO PLAN BOOK 64, PAGE 46.

LOCUS LOT IS BEING SHOWN AS LOT 6 & 108, AS SHOWN ON
NEW BEDFORD ASSESSORS MAP 82.

THE PURPOSE OF THIS PLAN IS TO RESUBDIVIDE THE ABOVE
REFERENCED LOTS AS SHOWN.

OWNER OF RECORD:

ASSESSORS MAP 82, LOT 108
DEED BOOK 10742, PAGE 275.

ROBERT E. HATHAWAY, JR.
C/O HATHAWAY COLLISION CENTER
175 POTTER STREET
NEW BEDFORD, MA 02740

ASSESSORS MAP 82, LOT 6
DEED BOOK 11098, PAGE 18.

175 POTTER STREET, LLC
175 POTTER STREET
NEW BEDFORD, MA 02740

NEW BEDFORD PLANNING BOARD APPROVAL UNDER THE SUBDIVISION
CONTROL LAW NOT REQUIRED. NO DETERMINATION AS TO
COMPLIANCE WITH ZONING IS MADE OR INTENDED BY THIS
ENDORSEMENT.

Jill MacLean 9.16.14
JILL MACLEAN, CITY PLANNER DATE

"I CERTIFY THIS PLAN HAS BEEN PREPARED IN CONFORMITY WITH THE RULES AND
REGULATIONS OF THE REGISTERS OF DEEDS."



Leon C. Halle 9/15/14
LEON C. HALLE, R.L.S. STAMP DATE

04/06/16 11:37
PLAN RECORDED
BRISTOL S.D.
REGISTRY
in 174-22

ASSESSORS MAP 82
LOT 214
N/F
N B HOUSING AUTHORITY

N 57°43'10" E
94.30'

N 57°43'10" E
42.35'

L=44.05'

ROUTE
195

L=184.13'
R=7850.00'
L=140.08'

ASSESSORS MAP 82
LOT 149
N/F
HATHAWAY FAMILY NOMINEE TRUST

N 29°27'00" W
244.41'

LOT 1
20,122 SQ. FT.
0.46 ACRES

S 29°27'00" E
230.92'

LOT 2
26,285 SQ. FT.
0.60 ACRES

N 27°50'58" W
180.81'

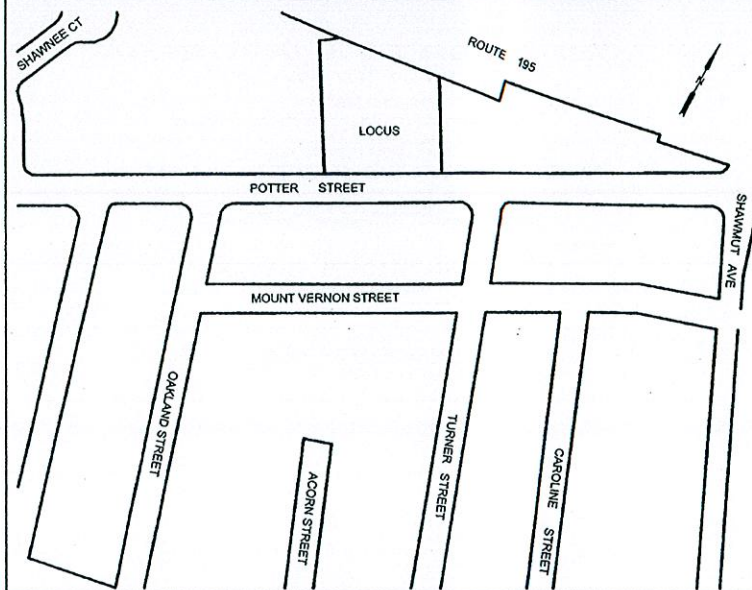
ASSESSORS MAP 82
LOT 154
N/F
135 POTTER STREET LLC

83.00'
S 61°25'35" W

125.00'
S 61°25'35" W

POTTER (50' Wide) STREET

LOCUS MAP : Scale 1" = 200'+/-



ZONING REQUIREMENTS:

ZONING IS INDUSTRIAL - B		SETBACK REQUIREMENTS:	
MINIMUM LOT FRONTAGE	0'	MINIMUM FRONT YARD	25.00'
MINIMUM TOTAL AREA	0 sq. ft.	MINIMUM REAR & SIDE YARD	25.00'
MAXIMUM % LOT COVERAGE	50% (Required)		

APPROVAL NOT REQUIRED
PLAN OF LAND
located in
NEW BEDFORD, MA
prepared for
175 POTTER STREET, LLC



SCALE: 1" = 30'

DATE: 9/08/2014

Alpha Engineering

32 Valerie Street
New Bedford, MA 02740
Tel. (508) 997-9976

REV. NO	REVISION	BY	DATE

FE 5021

Stormwater Management System Report

HATHAWAY COLLISION CENTER PROPOSED SITE DEVELOPMENT

167 POTTER STREET
NEW BEDFORD, MASSACHUSETTS

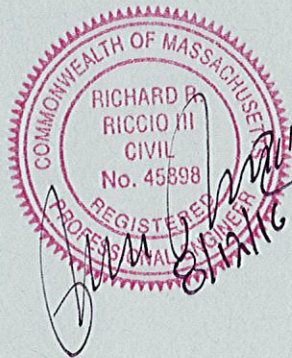
Prepared for:

Hathaway Collision Center
175 Potter Street
New Bedford, Massachusetts 02745

Prepared by:

Field Engineering Co., Inc.
11D Industrial Drive
PO Box 1178
Mattapoisett, Massachusetts 02739

August 12, 2016
Project No. 2097



FIELD
ENGINEERING CO., INC.
CONSULTING ENGINEERS

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Checklist for Stormwater Report

A. Introduction

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A Stormwater Report must be submitted with the Notice of Intent permit application to document compliance with the Stormwater Management Standards. The following checklist is NOT a substitute for the Stormwater Report (which should provide more substantive and detailed information) but is offered here as a tool to help the applicant organize their Stormwater Management documentation for their Report and for the reviewer to assess this information in a consistent format. As noted in the Checklist, the Stormwater Report must contain the engineering computations and supporting information set forth in Volume 3 of the Massachusetts Stormwater Handbook. The Stormwater Report must be prepared and certified by a Registered Professional Engineer (RPE) licensed in the Commonwealth.

The Stormwater Report must include:

- The Stormwater Checklist completed and stamped by a Registered Professional Engineer (see page 2) that certifies that the Stormwater Report contains all required submittals.¹ This Checklist is to be used as the cover for the completed Stormwater Report.
- Applicant/Project Name
- Project Address
- Name of Firm and Registered Professional Engineer that prepared the Report
- Long-Term Pollution Prevention Plan required by Standards 4-6
- Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan required by Standard 8²
- Operation and Maintenance Plan required by Standard 9

In addition to all plans and supporting information, the Stormwater Report must include a brief narrative describing stormwater management practices, including environmentally sensitive site design and LID techniques, along with a diagram depicting runoff through the proposed BMP treatment train. Plans are required to show existing and proposed conditions, identify all wetland resource areas, NRCS soil types, critical areas, Land Uses with Higher Potential Pollutant Loads (LUHPPL), and any areas on the site where infiltration rate is greater than 2.4 inches per hour. The Plans shall identify the drainage areas for both existing and proposed conditions at a scale that enables verification of supporting calculations.

As noted in the Checklist, the Stormwater Management Report shall document compliance with each of the Stormwater Management Standards as provided in the Massachusetts Stormwater Handbook. The soils evaluation and calculations shall be done using the methodologies set forth in Volume 3 of the Massachusetts Stormwater Handbook.

To ensure that the Stormwater Report is complete, applicants are required to fill in the Stormwater Report Checklist by checking the box to indicate that the specified information has been included in the Stormwater Report. If any of the information specified in the checklist has not been submitted, the applicant must provide an explanation. The completed Stormwater Report Checklist and Certification must be submitted with the Stormwater Report.

¹ The Stormwater Report may also include the Illicit Discharge Compliance Statement required by Standard 10. If not included in the Stormwater Report, the Illicit Discharge Compliance Statement must be submitted prior to the discharge of stormwater runoff to the post-construction best management practices.

² For some complex projects, it may not be possible to include the Construction Period Erosion and Sedimentation Control Plan in the Stormwater Report. In that event, the Issuing authority has the discretion to issue an Order of Conditions that approves the project and includes a condition requiring the proponent to submit the Construction Period Erosion and Sedimentation Control Plan before commencing any land disturbance activity on the site.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands Program

Checklist for Stormwater Report

B. Stormwater Checklist and Certification

The following checklist is intended to serve as a guide for applicants as to the elements that ordinarily need to be addressed in a complete Stormwater Report. The checklist is also intended to provide conservation commissions and other reviewing authorities with a summary of the components necessary for a comprehensive Stormwater Report that addresses the ten Stormwater Standards.

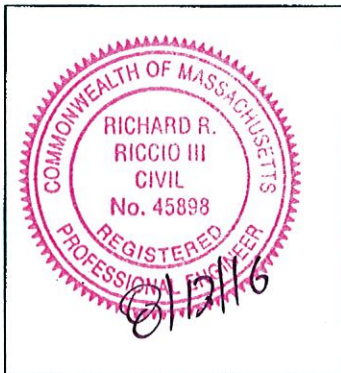
Note: Because stormwater requirements vary from project to project, it is possible that a complete Stormwater Report may not include information on some of the subjects specified in the Checklist. If it is determined that a specific item does not apply to the project under review, please note that the item is not applicable (N.A.) and provide the reasons for that determination.

A complete checklist must include the Certification set forth below signed by the Registered Professional Engineer who prepared the Stormwater Report.

Registered Professional Engineer's Certification

I have reviewed the Stormwater Report, including the soil evaluation, computations, Long-term Pollution Prevention Plan, the Construction Period Erosion and Sedimentation Control Plan (if included), the Long-term Post-Construction Operation and Maintenance Plan, the Illicit Discharge Compliance Statement (if included) and the plans showing the stormwater management system, and have determined that they have been prepared in accordance with the requirements of the Stormwater Management Standards as further elaborated by the Massachusetts Stormwater Handbook. I have also determined that the information presented in the Stormwater Checklist is accurate and that the information presented in the Stormwater Report accurately reflects conditions at the site as of the date of this permit application.

Registered Professional Engineer Block and Signature



Signature and Date

[Handwritten Signature] 8/12/16

Checklist

Project Type: Is the application for new development, redevelopment, or a mix of new and redevelopment?

- ☐ New development
- ☐ Redevelopment
- ☒ Mix of New Development and Redevelopment



Checklist for Stormwater Report

Checklist (continued)

LID Measures: Stormwater Standards require LID measures to be considered. Document what environmentally sensitive design and LID Techniques were considered during the planning and design of the project:

- ☒ No disturbance to any Wetland Resource Areas
- ☐ Site Design Practices (e.g. clustered development, reduced frontage setbacks)
- ☐ Reduced Impervious Area (Redevelopment Only) (Note: Within 100-foot Buffer Zone)
- ☐ Minimizing disturbance to existing trees and shrubs
- ☐ LID Site Design Credit Requested:
 - ☐ Credit 1
 - ☐ Credit 2
 - ☐ Credit 3
- ☐ Use of "country drainage" versus curb and gutter conveyance and pipe
- ☐ Bioretention Cells (includes Rain Gardens)
- ☐ Constructed Stormwater Wetlands (includes Gravel Wetlands designs)
- ☐ Treebox Filter
- ☐ Water Quality Swale
- ☐ Grass Channel
- ☐ Green Roof
- ☒ Other (describe): Subsurface Infiltration

Standard 1: No New Untreated Discharges

- ☒ No new untreated discharges
- ☒ Outlets have been designed so there is no erosion or scour to wetlands and waters of the Commonwealth
- ☐ Supporting calculations specified in Volume 3 of the Massachusetts Stormwater Handbook included.



Checklist for Stormwater Report

Checklist (continued)

Standard 2: Peak Rate Attenuation

- ☐ Standard 2 waiver requested because the project is located in land subject to coastal storm flowage and stormwater discharge is to a wetland subject to coastal flooding.
- ☐ Evaluation provided to determine whether off-site flooding increases during the 100-year 24-hour storm.
- ☒ Calculations provided to show that post-development peak discharge rates do not exceed pre-development rates for the 2-year and 10-year 24-hour storms. If evaluation shows that off-site flooding increases during the 100-year 24-hour storm, calculations are also provided to show that post-development peak discharge rates do not exceed pre-development rates for the 100-year 24-hour storm.

Standard 3: Recharge

- ☐ Soil Analysis provided.
- ☐ Required Recharge Volume calculation provided.
- ☐ Required Recharge volume reduced through use of the LID site Design Credits.
- ☒ Sizing the infiltration, BMPs is based on the following method: Check the method used.
 - ☒ Static
 - ☐ Simple Dynamic
 - ☐ Dynamic Field¹
- ☐ Runoff from all impervious areas at the site discharging to the infiltration BMP.
- ☐ Runoff from all impervious areas at the site is *not* discharging to the infiltration BMP and calculations are provided showing that the drainage area contributing runoff to the infiltration BMPs is sufficient to generate the required recharge volume.
- ☐ Recharge BMPs have been sized to infiltrate the Required Recharge Volume.
- ☒ Recharge BMPs have been sized to infiltrate the Required Recharge Volume *only* to the maximum extent practicable for the following reason:
 - ☒ Site is comprised solely of C and D soils and/or bedrock at the land surface
 - ☐ M.G.L. c. 21E sites pursuant to 310 CMR 40.0000
 - ☐ Solid Waste Landfill pursuant to 310 CMR 19.000
 - ☐ Project is otherwise subject to Stormwater Management Standards only to the maximum extent practicable.
- ☒ Calculations showing that the infiltration BMPs will drain in 72 hours are provided.
- ☐ Property includes a M.G.L. c. 21E site or a solid waste landfill and a mounding analysis is included.

¹ 80% TSS removal is required prior to discharge to infiltration BMP if Dynamic Field method is used.



Checklist for Stormwater Report

Checklist (continued)

Standard 3: Recharge (continued)

- ☐ The infiltration BMP is used to attenuate peak flows during storms greater than or equal to the 10-year 24-hour storm and separation to seasonal high groundwater is less than 4 feet and a mounding analysis is provided.
- ☐ Documentation is provided showing that infiltration BMPs do not adversely impact nearby wetland resource areas.

Standard 4: Water Quality

The Long-Term Pollution Prevention Plan typically includes the following:

- Good housekeeping practices;
 - Provisions for storing materials and waste products inside or under cover;
 - Vehicle washing controls;
 - Requirements for routine inspections and maintenance of stormwater BMPs;
 - Spill prevention and response plans;
 - Provisions for maintenance of lawns, gardens, and other landscaped areas;
 - Requirements for storage and use of fertilizers, herbicides, and pesticides;
 - Pet waste management provisions;
 - Provisions for operation and management of septic systems;
 - Provisions for solid waste management;
 - Snow disposal and plowing plans relative to Wetland Resource Areas;
 - Winter Road Salt and/or Sand Use and Storage restrictions;
 - Street sweeping schedules;
 - Provisions for prevention of illicit discharges to the stormwater management system;
 - Documentation that Stormwater BMPs are designed to provide for shutdown and containment in the event of a spill or discharges to or near critical areas or from LUHPPL;
 - Training for staff or personnel involved with implementing Long-Term Pollution Prevention Plan;
 - List of Emergency contacts for implementing Long-Term Pollution Prevention Plan.
- ☒ A Long-Term Pollution Prevention Plan is attached to Stormwater Report and is included as an attachment to the Wetlands Notice of Intent.
 - ☐ Treatment BMPs subject to the 44% TSS removal pretreatment requirement and the one inch rule for calculating the water quality volume are included, and discharge:
 - ☐ is within the Zone II or Interim Wellhead Protection Area
 - ☐ is near or to other critical areas
 - ☐ is within soils with a rapid infiltration rate (greater than 2.4 inches per hour)
 - ☐ involves runoff from land uses with higher potential pollutant loads.
 - ☐ The Required Water Quality Volume is reduced through use of the LID site Design Credits.
 - ☐ Calculations documenting that the treatment train meets the 80% TSS removal requirement and, if applicable, the 44% TSS removal pretreatment requirement, are provided.



Checklist for Stormwater Report

Checklist (continued)

Standard 4: Water Quality (continued)

- ☒ The BMP is sized (and calculations provided) based on:
 - ☒ The ½" or 1" Water Quality Volume or
 - ☐ The equivalent flow rate associated with the Water Quality Volume and documentation is provided showing that the BMP treats the required water quality volume.
- ☐ The applicant proposes to use proprietary BMPs, and documentation supporting use of proprietary BMP and proposed TSS removal rate is provided. This documentation may be in the form of the propriety BMP checklist found in Volume 2, Chapter 4 of the Massachusetts Stormwater Handbook and submitting copies of the TARP Report, STEP Report, and/or other third party studies verifying performance of the proprietary BMPs.
- ☐ A TMDL exists that indicates a need to reduce pollutants other than TSS and documentation showing that the BMPs selected are consistent with the TMDL is provided.

Standard 5: Land Uses With Higher Potential Pollutant Loads (LUHPPLs) NOT APPLICABLE

- ☐ The NPDES Multi-Sector General Permit covers the land use and the Stormwater Pollution Prevention Plan (SWPPP) has been included with the Stormwater Report.
- ☐ The NPDES Multi-Sector General Permit covers the land use and the SWPPP will be submitted *prior* to the discharge of stormwater to the post-construction stormwater BMPs.
- ☐ The NPDES Multi-Sector General Permit does *not* cover the land use.
- ☐ LUHPPLs are located at the site and industry specific source control and pollution prevention measures have been proposed to reduce or eliminate the exposure of LUHPPLs to rain, snow, snow melt and runoff, and been included in the long term Pollution Prevention Plan.
- ☐ All exposure has been eliminated.
- ☐ All exposure has *not* been eliminated and all BMPs selected are on MassDEP LUHPPL list.
- ☐ The LUHPPL has the potential to generate runoff with moderate to higher concentrations of oil and grease (e.g. all parking lots with >1000 vehicle trips per day) and the treatment train includes an oil grit separator, a filtering bioretention area, a sand filter or equivalent.

Standard 6: Critical Areas NOT APPLICABLE

- ☐ The discharge is near or to a critical area and the treatment train includes only BMPs that MassDEP has approved for stormwater discharges to or near that particular class of critical area.
- ☐ Critical areas and BMPs are identified in the Stormwater Report.



Checklist for Stormwater Report

Checklist (continued)

Standard 7: Redevelopments and Other Projects Subject to the Standards only to the maximum extent practicable

- ☒ The project is subject to the Stormwater Management Standards only to the maximum Extent Practicable as a:
 - ☐ Limited Project
 - ☐ Small Residential Projects: 5-9 single family houses or 5-9 units in a multi-family development provided there is no discharge that may potentially affect a critical area.
 - ☐ Small Residential Projects: 2-4 single family houses or 2-4 units in a multi-family development with a discharge to a critical area
 - ☐ Marina and/or boatyard provided the hull painting, service and maintenance areas are protected from exposure to rain, snow, snow melt and runoff
 - ☐ Bike Path and/or Foot Path
 - ☐ Redevelopment Project
- ☒ Redevelopment portion of mix of new and redevelopment.
- ☐ Certain standards are not fully met (Standard No. 1, 8, 9, and 10 must always be fully met) and an explanation of why these standards are not met is contained in the Stormwater Report.
- ☐ The project involves redevelopment and a description of all measures that have been taken to improve existing conditions is provided in the Stormwater Report. The redevelopment checklist found in Volume 2 Chapter 3 of the Massachusetts Stormwater Handbook may be used to document that the proposed stormwater management system (a) complies with Standards 2, 3 and the pretreatment and structural BMP requirements of Standards 4-6 to the maximum extent practicable and (b) improves existing conditions.

Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control

A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan must include the following information:

- Narrative;
 - Construction Period Operation and Maintenance Plan;
 - Names of Persons or Entity Responsible for Plan Compliance;
 - Construction Period Pollution Prevention Measures;
 - Erosion and Sedimentation Control Plan Drawings;
 - Detail drawings and specifications for erosion control BMPs, including sizing calculations;
 - Vegetation Planning;
 - Site Development Plan;
 - Construction Sequencing Plan;
 - Sequencing of Erosion and Sedimentation Controls;
 - Operation and Maintenance of Erosion and Sedimentation Controls;
 - Inspection Schedule;
 - Maintenance Schedule;
 - Inspection and Maintenance Log Form.
- ☒ A Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan containing the information set forth above has been included in the Stormwater Report.



Checklist for Stormwater Report

Checklist (continued)

Standard 8: Construction Period Pollution Prevention and Erosion and Sedimentation Control (continued)

- ☐ The project is highly complex and information is included in the Stormwater Report that explains why it is not possible to submit the Construction Period Pollution Prevention and Erosion and Sedimentation Control Plan with the application. A Construction Period Pollution Prevention and Erosion and Sedimentation Control has **not** been included in the Stormwater Report but will be submitted **before** land disturbance begins.
- ☐ The project is **not** covered by a NPDES Construction General Permit.
- ☐ The project is covered by a NPDES Construction General Permit and a copy of the SWPPP is in the Stormwater Report.
- ☒ The project is covered by a NPDES Construction General Permit but no SWPPP been submitted. The SWPPP will be submitted BEFORE land disturbance begins.

Standard 9: Operation and Maintenance Plan

- ☒ The Post Construction Operation and Maintenance Plan is included in the Stormwater Report and includes the following information:
 - ☒ Name of the stormwater management system owners;
 - ☒ Party responsible for operation and maintenance;
 - ☒ Schedule for implementation of routine and non-routine maintenance tasks;
 - ☐ Plan showing the location of all stormwater BMPs maintenance access areas;
 - ☐ Description and delineation of public safety features;
 - ☐ Estimated operation and maintenance budget; and
 - ☐ Operation and Maintenance Log Form.
- ☐ The responsible party is **not** the owner of the parcel where the BMP is located and the Stormwater Report includes the following submissions:
 - ☐ A copy of the legal instrument (deed, homeowner's association, utility trust or other legal entity) that establishes the terms of and legal responsibility for the operation and maintenance of the project site stormwater BMPs;
 - ☐ A plan and easement deed that allows site access for the legal entity to operate and maintain BMP functions.

Standard 10: Prohibition of Illicit Discharges

- ☒ The Long-Term Pollution Prevention Plan includes measures to prevent illicit discharges;
- ☒ An Illicit Discharge Compliance Statement is attached;
- ☐ NO Illicit Discharge Compliance Statement is attached but will be submitted **prior to** the discharge of any stormwater to post-construction BMPs.

Section 1

Hydrologic Overview

1.0 INTRODUCTION

1.1 Project Description

The applicant, Hathaway Collision Center is proposing to construct a 7,000 square foot prefabricated metal building to supplement their existing operations on the adjacent lot. The project will consist of construction of the building and paving a portion of the currently existing gravel parking areas. Remaining portions of the site will remain gravel and a landscape strip will be provided along the roadway. The purpose of the proposed building is to provide additional covered storage for vehicles in the process of being repaired as well as additional garage space for the applicants to work on cars. The site will be serviced by an on-site stormwater management system to attenuate the increase in rates of runoff that will be seen due to the construction of the proposed building and additional paved parking spaces. The on-site stormwater management system will consist of a subsurface recharge system to handle the clean water runoff from the new building. Stormwater from the remaining developed portions of the site will flow unattenuated off-site, as they do in pre-existing conditions.

The stormwater management system has been designed to accept and treat the projected stormwater flows from development in accordance with the current DEP Stormwater Management Standards. As part of the DEP Stormwater Management Standards and Regulations, the DEP is requiring Low Impact Development (LID) measures to be considered in the design of the project. The project, as proposed, does make use of certain LID measures including minimizing the amount of additional impervious area on the site and the proposed subsurface recharge system which will promote recharge to the groundwater on the site.

1.2 Hydrologic Overview

A hydrologic analysis for the pre and post developed conditions for the project site has been prepared and is submitted in the following sections of this report. The primary goal of this analysis is to evaluate and mitigate the potential impacts of the proposed construction to the adjacent properties and drainage system. Particular consideration has been given to stormwater quantity and quality to the off-site drainage systems. As the attached analysis shows, there is one distinct analysis point that has been analyzed. The analysis point and watershed areas are described in the following sections.

The analysis of the present condition and the proposed condition hydrology includes a calculated estimation of the runoff volume and peak storm flow rates from the site for each individual drainage area. The HydroCAD hydrologic program, developed by Applied Microcomputer Systems, was utilized in the preparation of the stormwater runoff models. The HydroCAD software is based upon the Soil Conservation Service, "Technical Release 20 – Urban Hydrology for Small Watersheds" and is a generally accepted industry standard methodology.

An analysis was performed for the 2, 10, 25 and 100-year frequency rainfall events. These events were based on a 24-hour duration storm with a SCS Type III storm distribution curve. Time of Concentration (T_c) values and runoff curve numbers (CN) were developed for each of the calculated existing and proposed drainage areas based upon prevalent topographic patterns, ground cover conditions, and SCS Hydrologic Soil Group classifications.

The hydrologic study area in the pre-developed condition consists of one (1) watershed areas with one (1) corresponding analysis point. The hydrologic study area in the post-developed condition consists of two (2) watershed areas and the same corresponding analysis point. The pre and post development watershed areas and corresponding analysis points are described in the following sections and shown on the Watershed Sketch Plans submitted in Appendix A.

The Bristol County Soil Conservation Service (SCS) mapping for this area indicates an Urban Soil type and this soil type was assumed to be Hydrologic Soil Group C in the hydrologic calculations.

1.3 Pre-Development Hydrologic Summary

In the present condition, the site is comprised of one (1) watershed areas as shown on the attached Pre Development Watershed Sketch Plan. The watershed designation and corresponding analysis point are as follows:

- Subcatchment PRE 1 is a 0.60-acre watershed area which consists of the entire parcel which flows unattenuated towards off-site drainage systems, which are taken as Analysis Point 1 (AP-1) in the analysis. The Time of Concentration for PRE-1 was assumed to be the minimum of 6.0 minutes and the CN was estimated to be 96.

A summary of the pre development hydrologic conditions for the 2, 10, 25, and 100-year storm events is submitted in Table 1.3 below.

Table 1.3 – Pre Development Hydrologic Summary

Storm Event	Analysis Point AP-1 Rate of Flow (c.f.s.)
2-year storm	1.98
10-year storm	2.76
25-year storm	3.24
100-year storm	4.08

1.4 Post Development Hydrologic Summary

In the developed condition, the site is comprised of two (2) watershed areas as shown on the attached Post Development Watershed Plan. The designated post development analysis point corresponds to the previously described pre development analysis point. The watershed designations and corresponding analysis points for each of the post development watersheds are as follows:

- Subcatchment POST 1 is a 0.16-acre portion of the overall watershed area consisting of the roof area of the proposed garage which will flow to a subsurface roof drain recharge system (Pond RECH) prior to overtopping towards the off-site drainage systems, which are taken as Analysis Point 1 (AP-1) in the analysis. The Time of Concentration for POST 1 was assumed to be the minimum of 6.0 minutes and the CN was estimated to be 98.
- Subcatchment POST 2 is a 0.44-acre portion of the overall watershed area consisting of the remaining portions of the lot which will flow unattenuated to the off-site drainage systems, which are taken as Analysis Point 1 (AP-1) in the analysis. The Time of Concentration for POST 2 was assumed to be the minimum of 6.0 minutes and the CN was estimated to be 96.

A summary of the post-development hydrologic conditions for the 2, 10, 25, and 100-year storm events is submitted in Table 1.4 below.

Table 1.4 – Post Development Hydrologic Summary

Storm Event	Analysis Point AP-1 Rate of Flow (c.f.s.)
2-year storm	1.98
10-year storm	2.76
25-year storm	3.22
100-year storm	4.02

The hydrologic analysis indicates that the stormwater management system design for the site meets or reduces peak runoff rates for the 2, 10, 25, and 100 year, 24 hour, Type III storm events from the pre developed levels at the analysis point.

1.5 Stormwater Management System Summary

The proposed stormwater management system incorporates a number of Best Management Practices (BMPs), as prescribed in the Department of Environmental Protection Stormwater Management Handbook. These practices include structural and non-structural measures providing stormwater quantity and quality management. These BMPs will function to minimize potential adverse water quality impacts to the surrounding wetland ecosystem. The following sections describe the temporary and permanent stormwater BMPs proposed for the site development.

The proposed stormwater management plan has been developed based on the projected site conditions and the present condition of the water resource areas that receive stormwater runoff from the site. The proposed BMPs have been designed to comply with the Massachusetts Stormwater Management Handbook.

The existing and proposed paved and impervious areas on the developed lot are the primary target area for water quantity and quality control measures for the project. In existing conditions, there is no treatment or attenuation being provided to the runoff generated by the impervious surfaces on the lot. The majority of this runoff flows overland directly to off-site drainage systems adjacent to the project site. The goal of the proposed stormwater management system design was to provide the necessary attenuation for the increased impervious surface on the project site. The amount of gravel surface on the site has also been reduced therefore reducing the amount of sediment-laden runoff produced by the gravel surfaces being discharged to the off-site drainage systems.

1.6 Select Structural Best Management Practices (BMP's)

Roof Drain Recharge System

Runoff from the clean roof drains from the new building will be discharged to a subsurface roof drain recharge system located on-site. The subsurface system will consist of plastic parabolic Cultec Contactor leaching chambers on a bed of double washed stone. These systems have been sized to provide storage volume to for up to the 100 year storm event. These systems will achieve recharge to the groundwater through the underlying soils.

1.7 Select Non-Structural Best Management Practices (BMP's)

Stormwater Management System Maintenance Program

All structural components of the stormwater management system will be inspected and maintained on a regular basis in accordance with the requirements of the Stormwater Management Policy. A detailed Stormwater Management System Operation and Maintenance Plan has been prepared in accordance with the newly promulgated Stormwater Management Standards and Stormwater Management Handbook prepared by the Massachusetts Department of Environmental Protection.

1.8 Regulatory Compliance

The Massachusetts Stormwater Handbook, Volume 3 (February, 2008), has been used as the primary guidance for the selection and design of permanent non-structural and structural BMPs for the long-term protection of existing wetland and water resources. The Stormwater Management Plan developed for this project incorporates water quantity and quality controls that will protect surface and groundwater resources, wetlands and adjacent properties from potential impacts due to increased impervious areas on the site. The Stormwater Management Plan also incorporates select LID measures in accordance with the new Stormwater Management Policies.

The stormwater performance standards developed by the DEP and a brief discussion on how the proposed project will achieve the standards are provided below.

Standard 1. No new stormwater conveyances may discharge untreated stormwater directly to, or cause erosion in wetlands or waters of the Commonwealth.

- No proposed site stormwater conveyance system will discharge untreated stormwater runoff directly to wetlands. Stormwater runoff from newly developed areas will run through either a roof drain recharge system or directly to off-site drainage systems.

Standard 2. Stormwater management systems shall be designed so that the post-development peak discharge rates do not exceed pre-development peak discharge rates.

- The storage volume within the roof drain recharge system will serve to limit the peak rates of stormwater runoff at or below pre development levels for the 2-, 10-, 25- and 100-year storm events. Refer to the Calculations in Sections 3 & 4 for additional information.

Standard 3. Loss of annual recharge to groundwater shall be eliminated or minimized through the use of environmentally sensitive site design, low impact development techniques, stormwater best management practices, and good operation and maintenance. At a minimum, the annual recharge from the post- development site shall approximate the annual recharge from pre-development conditions based on soil type. This Standard is met when the stormwater management system is designed to infiltrate the required recharge volume as determined in accordance with the Massachusetts Stormwater Handbook.

- Provisions for groundwater recharge have been provided with the subsurface infiltration system handling the clean roof runoff from the site.

Standard 4. Stormwater management systems shall be designed to remove 80% of the average annual post-construction load of Total Suspended Solids (TSS). This standard is met when:

- a) Suitable practices for source control and pollution prevention are identified in a long-term pollution prevention plan, and thereafter are implemented and maintained;
 - b) Structural stormwater best management practices are sized to capture the required water quality volume as determined in accordance with the Massachusetts Stormwater Handbook; and
 - c) Pretreatment is provided in accordance with the Massachusetts Stormwater Handbook.
- There is an overall decrease in the amount of gravel surfaces on the site that could provide sediment-laden runoff off site. The off-site stormwater management systems will continue to serve to reduce the amount of TSS in the runoff prior to ultimate discharge.

Standard 5. For land uses with higher potential pollutant loads, source control and pollution prevention shall be implemented in accordance with the Massachusetts Stormwater Handbook to eliminate or reduce the discharge of stormwater runoff from such land uses to the maximum extent practicable. If, through source control and/or pollution prevention, all land uses with higher potential pollutant loads cannot be completely protected from exposure to rain, snow, snow melt and stormwater runoff, the proponent shall use the specific structural stormwater BMPs determined by the Department to be suitable for such uses as provided in the Massachusetts Stormwater Handbook. Stormwater discharges from land uses with higher potential pollutant loads shall also comply with the requirements of the Massachusetts Clean Waters Act, M.G.L.c. 21, §§ 26-53 and the regulations promulgated thereunder at 314 CMR 3.00, 314 CMR 4.00 and 314 CMR 5.00.

- The proposed project is not considered a high intensity use with higher potential pollutant loads.

Standard 6. Stormwater discharges within the Zone II or Interim Wellhead Protection Area of a public water supply and stormwater discharges near or to any other critical area require the use of the specific source control and pollution prevention measures and the specific structural stormwater best management practices determined by the Department to be suitable for managing discharges to such areas, as provided in the Massachusetts Stormwater Handbook.

- The project does not discharge stormwater to any designated critical areas as defined in the Massachusetts Stormwater Handbook.

Standard 7. A redevelopment project is required to meet the following Stormwater Management Standards only to the maximum extent practicable: Standard 2, Standard 3, and the pretreatment and structural stormwater best management practice requirements of Standards 4, 5, and 6. Existing stormwater discharges shall comply with Standard 1 only to the maximum extent practicable. A redevelopment project shall also comply with all other requirements of the Stormwater Management Standards and improve existing conditions.

- This standard is not applicable as this is not a redevelopment of a previously developed site.

Standard 8. A plan to control construction-related impacts, including erosion, sedimentation, and other pollutant sources during construction and land disturbance activities (construction period erosion, sedimentation, and pollution prevention plan) shall be developed and implemented.

- The proposed development will incorporate erosion and sedimentation controls to minimize the potential for sedimentation in down gradient resources. These controls will include hay bales or silt fence barriers, and slope stabilization measures such as hay/straw blankets and jute matting, if necessary.

Standard 9. A Long -Term Operation and Maintenance (O&M) Plan shall be developed and implemented to ensure that stormwater management systems function as designed.

- The Stormwater Management Plan for this project has been developed in full compliance with the DEP Stormwater Management Policy. The Plan is based on a multi-dimensional approach to stormwater management that recognizes the need for proper site planning, source control of potential contaminants, and implementation of structural and non-structural treatment methods to ensure the protection of water resources in the vicinity of the site and adjacent properties. The Stormwater Operation and Maintenance Plan is provided on the construction drawings. A more detailed Long-Term Operation and Maintenance Plan is also included in the in the following sections.

Standard 10. Illicit Discharges to the Stormwater Management System are prohibited.

- An Illicit Discharge Compliance Statement has been completed and is included as an Appendix to this Report.

1.9 Post Construction Operation and Maintenance Plan

Name and current address of the Applicant

Hathaway Collision Center
175 Potter Street
New Bedford, Massachusetts 02745

Plans of Record

Refer to Site Development Plans prepared for H&M Dartmouth Realty LLC by Field Engineering and last dated 8/12/2016 for locations of all BMP's on site as well as construction details of all BMP's.

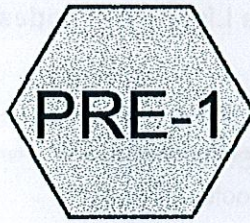
1. The contractor shall be responsible for the proper inspection and maintenance of all stormwater management facilities until such time as the Stormwater Management System is accepted by the Owner. Thereafter the Owner shall be responsible for the proper inspection and maintenance of the stormwater facilities in accordance with this Operation and Maintenance Plan as well as the continuing conditions of the Certificate of Compliance on the property.
2. All Structural Best Management Practices (BMP's) including the Roof Drain Recharge SYstem, should be inspected after every major rainfall event exceeding 1.0-inch for the first 6 months after construction to ensure proper stabilization and construction.
3. Thereafter, regular BMP inspections should be conducted according to the following schedule:

<u>BMP Structure</u>	<u>Inspections per Year</u>
Roof Drain Recharge System	1

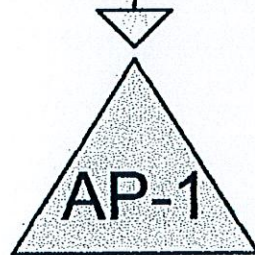
4. No disposal of materials shall be permitted within the buffer zones or wetlands on the project site. This prohibition applies to trash, fill material, construction debris, grass clippings, collected leaves and cut branches.

Section 2

Pre Development Hydrologic Analysis



Pre Development Area



Analysis Point 1



Routing Diagram for 2097-Pre Development
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2097-Pre Development

Type III 24-hr 2 YR Rainfall=3.50"

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Time span=0.00-24.00 hrs, dt=0.02 hrs, 1201 points

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

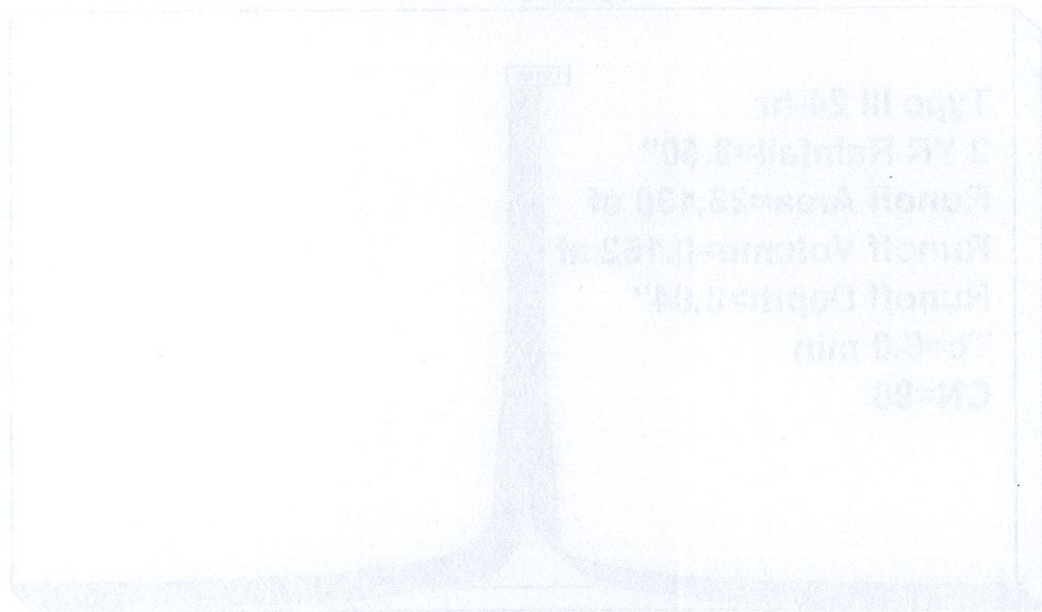
Subcatchment PRE-1: Pre Development

Runoff Area=26,130 sf 2.38% Impervious Runoff Depth>3.04"
Tc=6.0 min CN=96 Runoff=1.98 cfs 0.152 af

Pond AP-1: Analysis Point 1

Inflow=1.98 cfs 0.152 af
Primary=1.98 cfs 0.152 af

Total Runoff Area = 0.600 ac Runoff Volume = 0.152 af Average Runoff Depth = 3.04"
97.62% Pervious = 0.586 ac 2.38% Impervious = 0.014 ac



2097-Pre Development

Type III 24-hr 2 YR Rainfall=3.50"

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Summary for Pond AP-1: Analysis Point 1

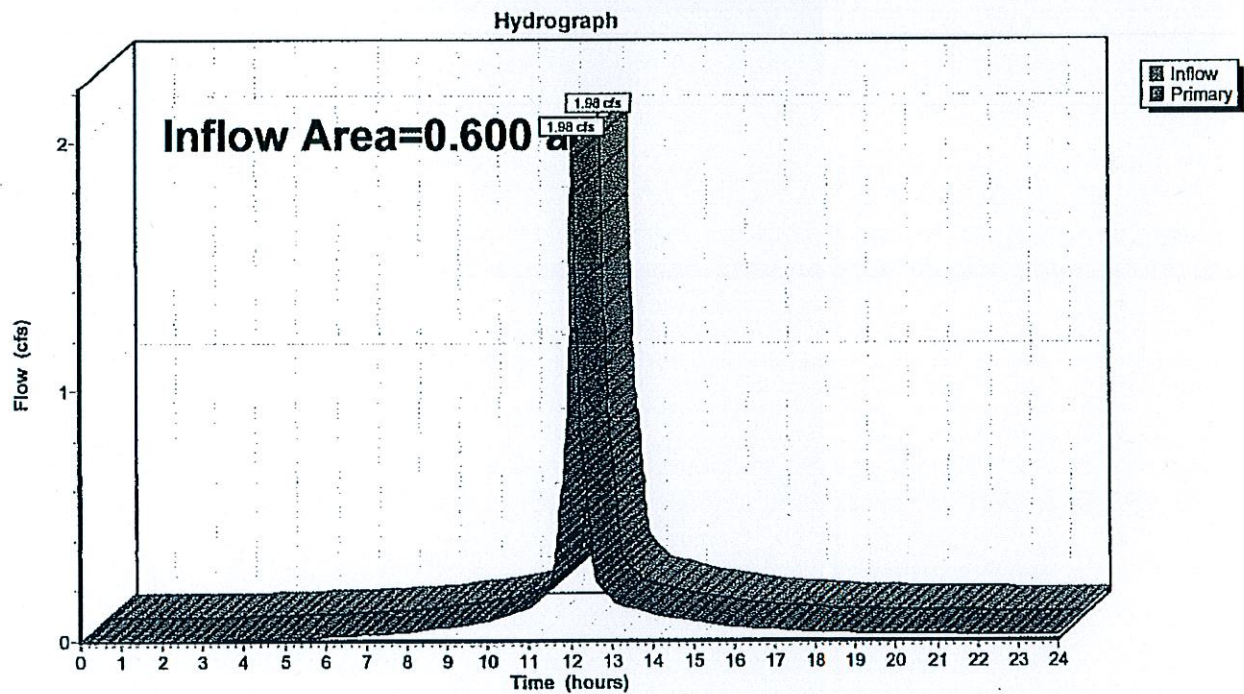
Analysis Point 1 is taken as the off-site drainage systems to which the site currently flows to unattenuated.

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.600 ac, 2.38% Impervious, Inflow Depth > 3.04" for 2 YR event
Inflow = 1.98 cfs @ 12.08 hrs, Volume= 0.152 af
Primary = 1.98 cfs @ 12.08 hrs, Volume= 0.152 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs

Pond AP-1: Analysis Point 1



2097-Pre Development

Type III 24-hr 10 YR Rainfall=4.80"

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Summary for Subcatchment PRE-1: Pre Development Area

Pre Development Area 1 consists of the entire property the discharges runoff to off-site drainage systems.

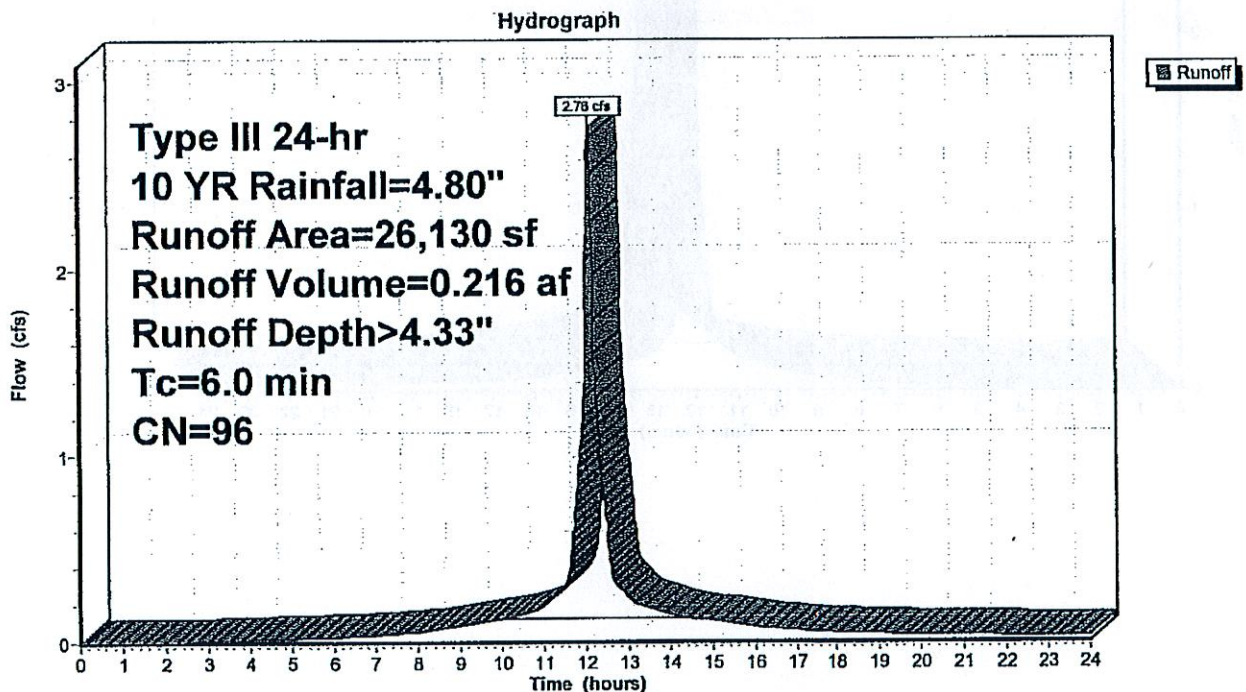
Runoff = 2.76 cfs @ 12.08 hrs, Volume= 0.216 af, Depth> 4.33"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs
Type III 24-hr 10 YR Rainfall=4.80"

Area (sf)	CN	Description
621	98	Paved parking & roofs
25,509	96	Gravel surface, HSG C
26,130	96	Weighted Average
25,509		97.62% Pervious Area
621		2.38% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment PRE-1: Pre Development Area



2097-Pre Development

Type III 24-hr 25 yr Rainfall=5.60"

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Time span=0.00-24.00 hrs, dt=0.02 hrs, 1201 points

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment PRE-1: Pre Development

Runoff Area=26,130 sf 2.38% Impervious Runoff Depth=5.13"
Tc=6.0 min CN=96 Runoff=3.24 cfs 0.256 af

Pond AP-1: Analysis Point 1

Inflow=3.24 cfs 0.256 af
Primary=3.24 cfs 0.256 af

Total Runoff Area = 0.600 ac Runoff Volume = 0.256 af Average Runoff Depth = 5.13"
97.62% Pervious = 0.586 ac 2.38% Impervious = 0.014 ac

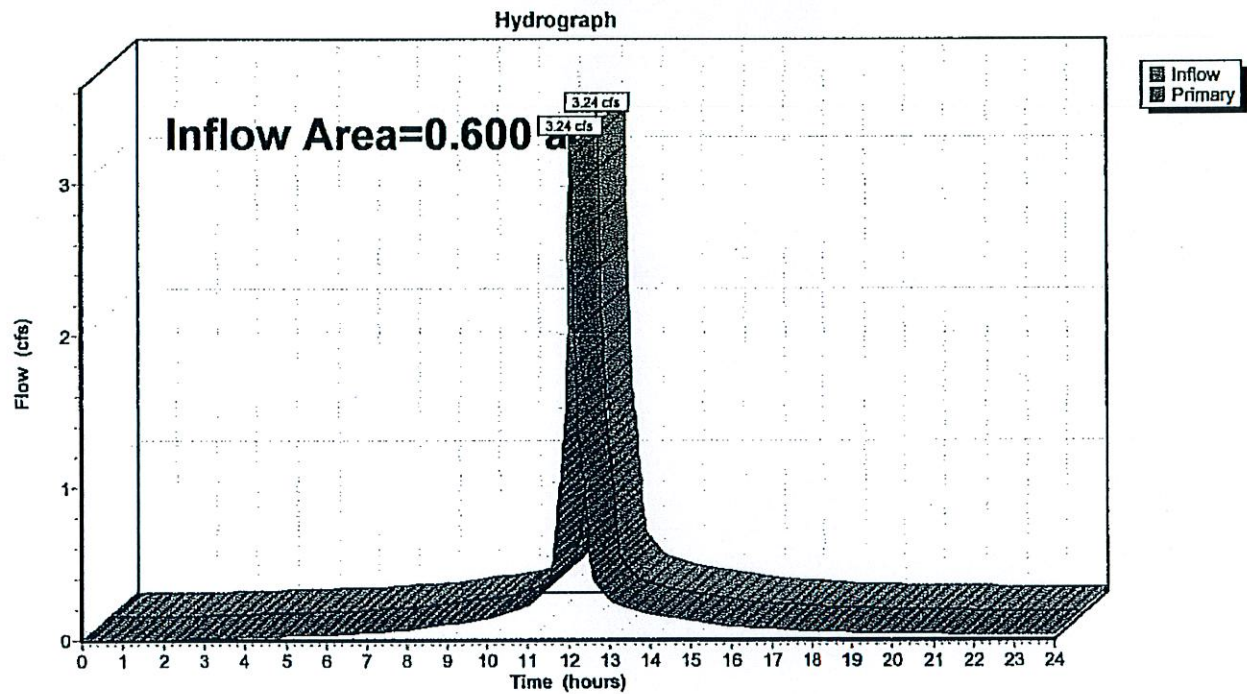
Summary for Pond AP-1: Analysis Point 1

Analysis Point 1 is taken as the off-site drainage systems to which the site currently flows to unattenuated.

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.600 ac, 2.38% Impervious, Inflow Depth > 5.13" for 25 yr event
Inflow = 3.24 cfs @ 12.08 hrs, Volume= 0.256 af
Primary = 3.24 cfs @ 12.08 hrs, Volume= 0.256 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs

Pond AP-1: Analysis Point 1

2097-Pre Development

Type III 24-hr 100 YR Rainfall=7.00"

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Summary for Subcatchment PRE-1: Pre Development Area

Pre Development Area 1 consists of the entire property the discharges runoff to off-site drainage systems.

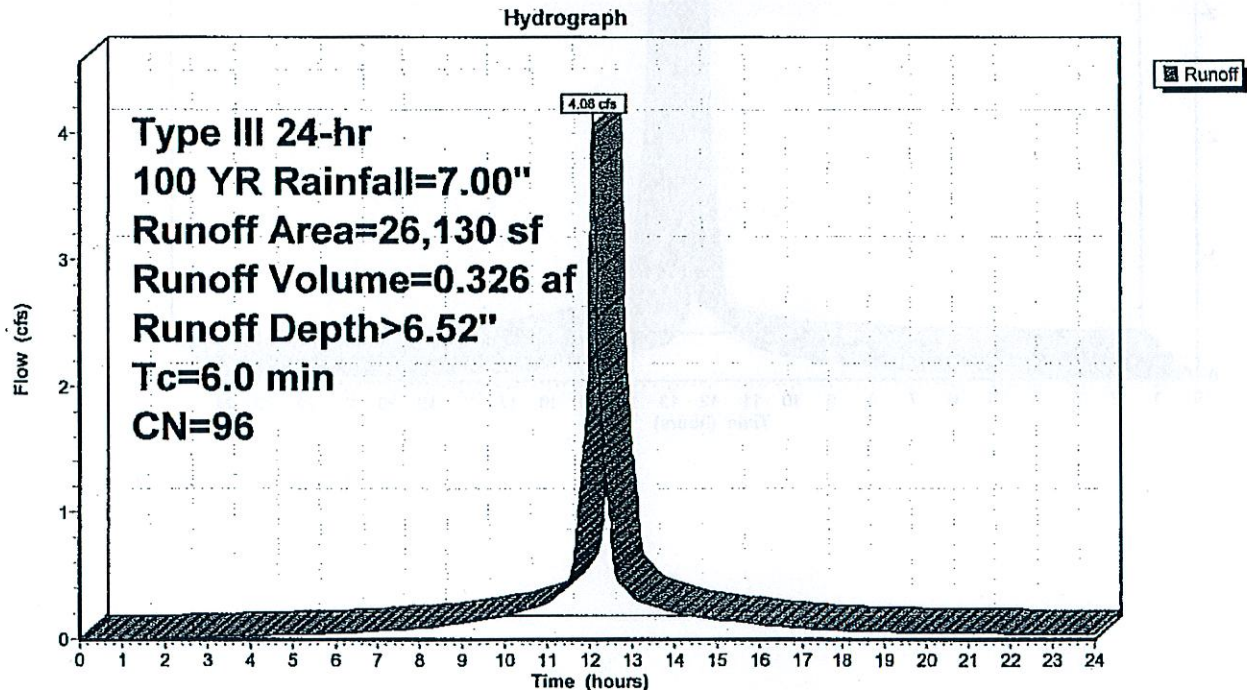
Runoff = 4.08 cfs @ 12.08 hrs, Volume= 0.326 af, Depth> 6.52"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs
Type III 24-hr 100 YR Rainfall=7.00"

Area (sf)	CN	Description
621	98	Paved parking & roofs
25,509	96	Gravel surface, HSG C
26,130	96	Weighted Average
25,509		97.62% Pervious Area
621		2.38% Impervious Area

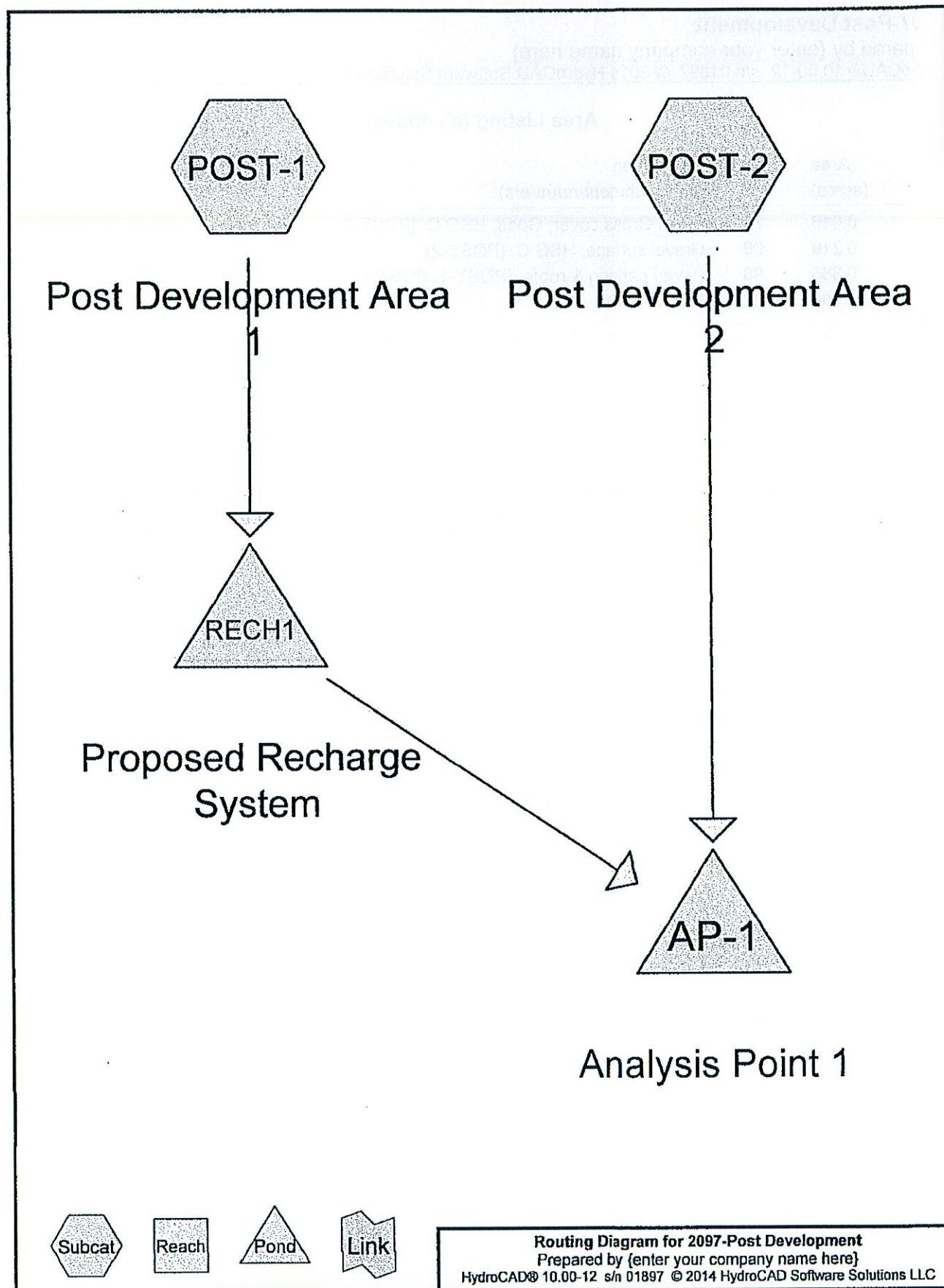
Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment PRE-1: Pre Development Area



Section 3

Post Development Hydrologic Analysis



2097-Post Development

Type III 24-hr 2 YR Rainfall=3.50"

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Time span=0.00-24.00 hrs, dt=0.02 hrs, 1201 points x 2

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN

Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment POST-1: Post Development Runoff Area=7,000 sf 100.00% Impervious Runoff Depth>3.26"
Tc=6.0 min CN=98 Runoff=0.55 cfs 0.044 af

Subcatchment POST-2: Post Development Runoff Area=19,130 sf 46.52% Impervious Runoff Depth>3.04"
Tc=6.0 min CN=96 Runoff=1.45 cfs 0.111 af

Pond AP-1: Analysis Point 1

Inflow=1.98 cfs 0.134 af
Primary=1.98 cfs 0.134 af

Pond RECH1: Proposed Recharge System Peak Elev=95.64' Storage=376 cf Inflow=0.55 cfs 0.044 af
Discarded=0.01 cfs 0.013 af Primary=0.54 cfs 0.023 af Outflow=0.54 cfs 0.036 af

Total Runoff Area = 0.600 ac Runoff Volume = 0.155 af Average Runoff Depth = 3.10"
39.15% Pervious = 0.235 ac 60.85% Impervious = 0.365 ac

2097-Post Development

Type III 24-hr 2 YR Rainfall=3.50"

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Summary for Subcatchment POST-2: Post Development Area 2

Post Development Area 2 consists of the remaining areas of the site that will continue to flow unattenuated to off-site drainage systems.

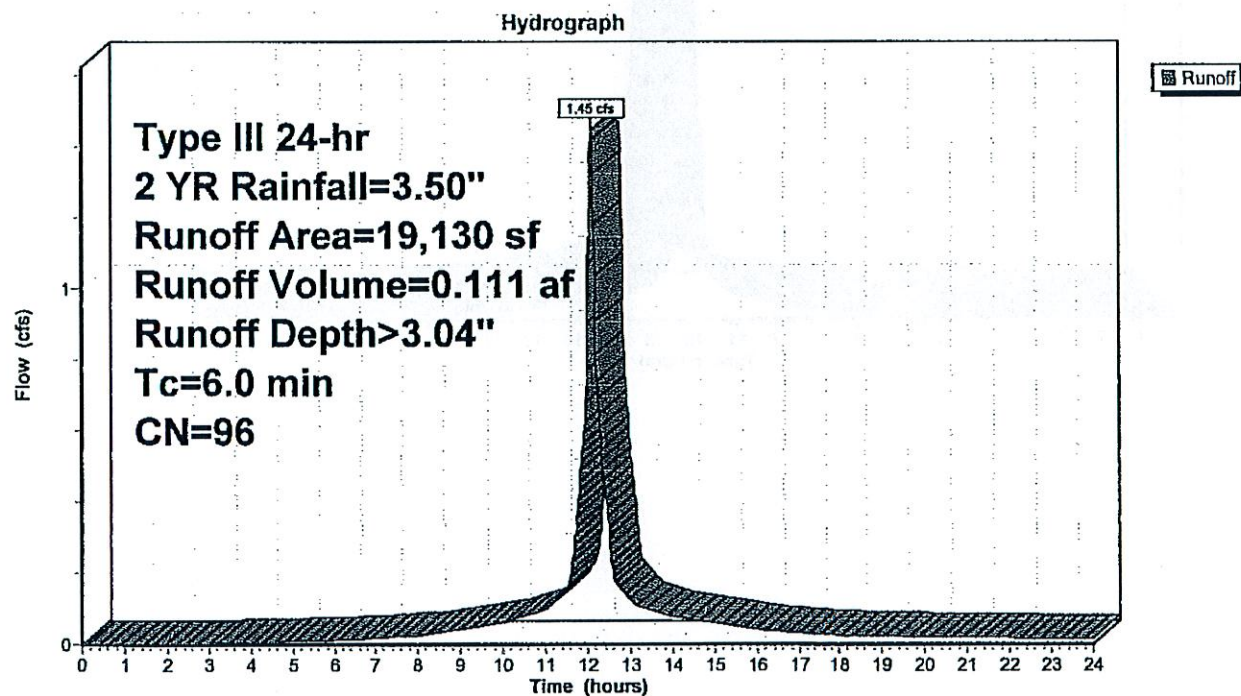
Runoff = 1.45 cfs @ 12.08 hrs, Volume= 0.111 af, Depth> 3.04"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs
Type III 24-hr 2 YR Rainfall=3.50"

Area (sf)	CN	Description
8,900	98	Paved parking & roofs
9,530	96	Gravel surface, HSG C
700	74	>75% Grass cover, Good, HSG C
19,130	96	Weighted Average
10,230		53.48% Pervious Area
8,900		46.52% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment POST-2: Post Development Area 2



2097-Post Development

Type III 24-hr 2 YR Rainfall=3.50"

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Summary for Pond RECH1: Proposed Recharge System

Inflow Area = 0.161 ac, 100.00% Impervious, Inflow Depth > 3.26" for 2 YR event
 Inflow = 0.55 cfs @ 12.08 hrs, Volume= 0.044 af
 Outflow = 0.54 cfs @ 12.09 hrs, Volume= 0.036 af, Atten= 0%, Lag= 0.4 min
 Discarded = 0.01 cfs @ 7.32 hrs, Volume= 0.013 af
 Primary = 0.54 cfs @ 12.09 hrs, Volume= 0.023 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs / 2

Peak Elev= 95.64' @ 12.09 hrs Surf.Area= 340 sf Storage= 376 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 37.2 min (791.2 - 754.0)

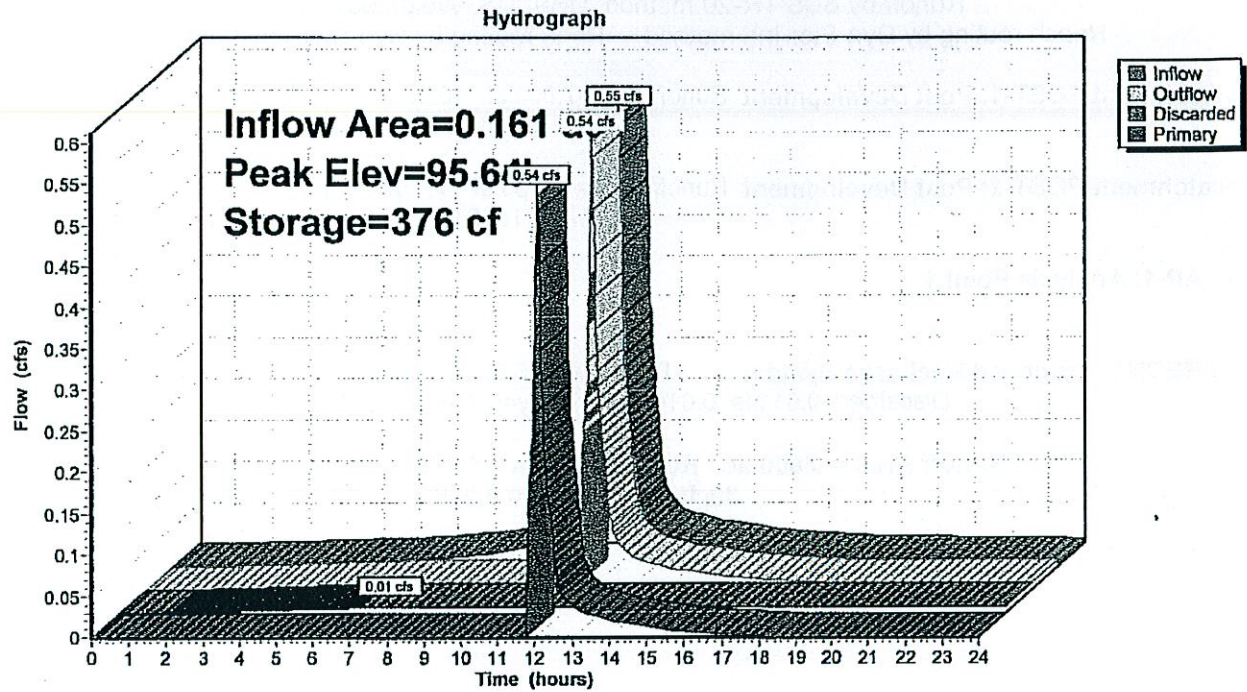
Volume	Invert	Avail.Storage	Storage Description
#1A	93.50'	289 cf	8.50'W x 40.00'L x 2.54'H Field A 864 cf Overall - 141 cf Embedded = 723 cf x 40.0% Voids
#2A	94.50'	141 cf	Cultec C-100HD x 10 Inside #1 Effective Size= 32.1"W x 12.0"H => 1.86 sf x 7.50'L = 14.0 cf Overall Size= 36.0"W x 12.5"H x 8.00'L with 0.50' Overlap Row Length Adjustment= +0.50' x 1.86 sf x 2 rows
431 cf			Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	93.50'	1.020 in/hr Exfiltration over Surface area
#2	Primary	95.50'	6.0" Horiz. Orifice/Grate X 2.00 C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.01 cfs @ 7.32 hrs HW=93.53' (Free Discharge)↑**1=Exfiltration** (Exfiltration Controls 0.01 cfs)**Primary OutFlow** Max=0.53 cfs @ 12.09 hrs HW=95.64' TW=0.00' (Dynamic Tailwater)↑**2=Orifice/Grate** (Weir Controls 0.53 cfs @ 1.22 fps)

Pond RECH1: Proposed Recharge System



2097-Post Development

Type III 24-hr 10 YR Rainfall=4.80"

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Summary for Subcatchment POST-1: Post Development Area 1

Post Development Area 2 consists of the remaining areas of the site that will continue to flow unattenuated to off-site drainage systems.

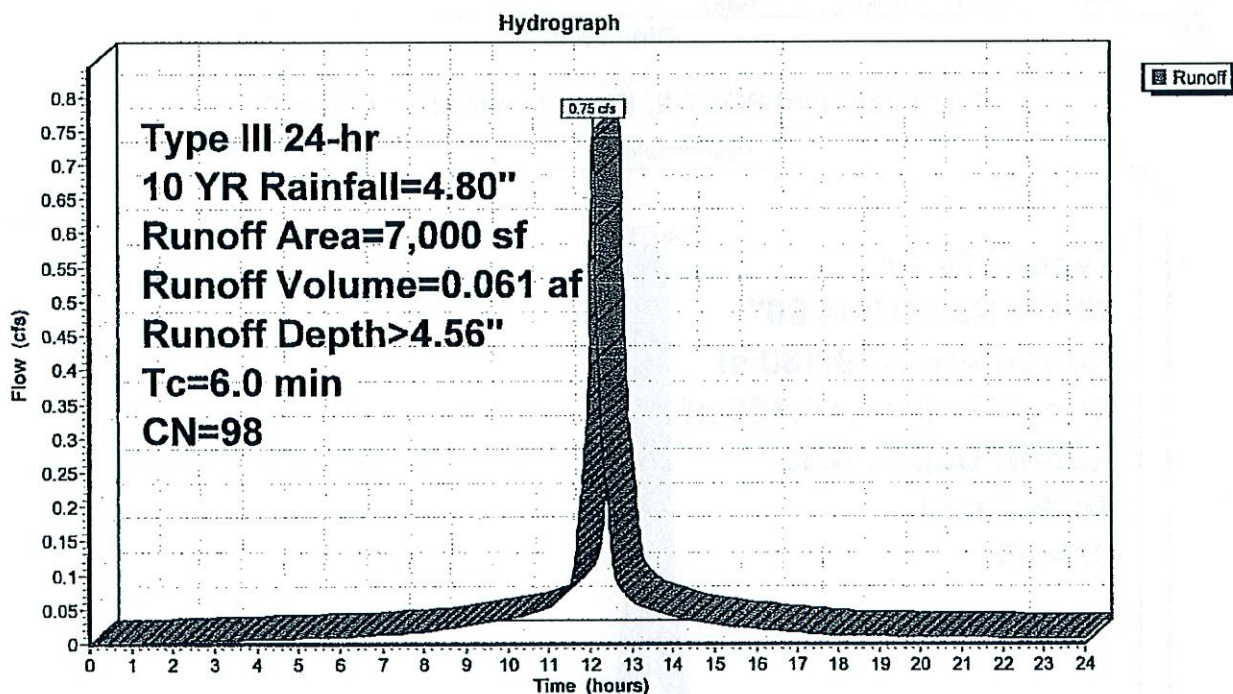
Runoff = 0.75 cfs @ 12.08 hrs, Volume= 0.061 af, Depth> 4.56"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs
Type III 24-hr 10 YR Rainfall=4.80"

Area (sf)	CN	Description
7,000	98	Paved parking & roofs
7,000		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment POST-1: Post Development Area 1



2097-Post Development

Type III 24-hr 10 YR Rainfall=4.80"

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Summary for Pond AP-1: Analysis Point 1

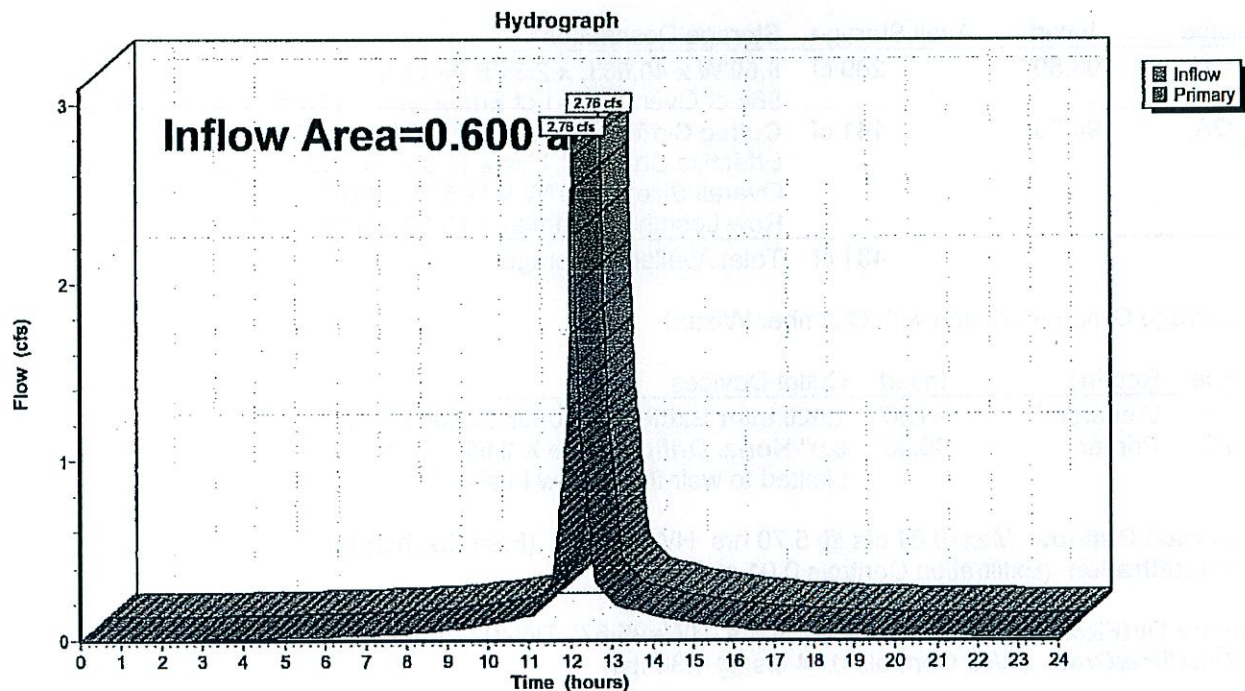
Analysis Point 1 is taken as the off-site drainage systems to which the site currently flows to unattenuated.

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.600 ac, 60.85% Impervious, Inflow Depth > 3.95" for 10 YR event
Inflow = 2.76 cfs @ 12.09 hrs, Volume= 0.197 af
Primary = 2.76 cfs @ 12.09 hrs, Volume= 0.197 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs / 2

Pond AP-1: Analysis Point 1



2097-Post Development

Type III 24-hr 10 YR Rainfall=4.80"

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Pond RECH1: Proposed Recharge System - Chamber Wizard Field A

Chamber Model = Cultec C-100HD (Cultec Contactor® 100HD)

Effective Size= 32.1"W x 12.0"H => 1.86 sf x 7.50'L = 14.0 cf

Overall Size= 36.0"W x 12.5"H x 8.00'L with 0.50' Overlap

Row Length Adjustment= +0.50' x 1.86 sf x 2 rows

36.0" Wide + 6.0" Spacing = 42.0" C-C Row Spacing

5 Chambers/Row x 7.50' Long +0.50' Row Adjustment = 38.00' Row Length +12.0" End Stone x 2 = 40.00' Base Length

2 Rows x 36.0" Wide + 6.0" Spacing x 1 + 12.0" Side Stone x 2 = 8.50' Base Width

12.0" Base + 12.5" Chamber Height + 6.0" Cover = 2.54' Field Height

10 Chambers x 14.0 cf +0.50' Row Adjustment x 1.86 sf x 2 Rows = 141.5 cf Chamber Storage

864.2 cf Field - 141.5 cf Chambers = 722.7 cf Stone x 40.0% Voids = 289.1 cf Stone Storage

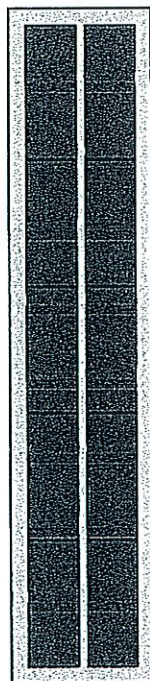
Chamber Storage + Stone Storage = 430.6 cf = 0.010 af

Overall Storage Efficiency = 49.8%

10 Chambers

32.0 cy Field

26.8 cy Stone



2097-Post Development

Type III 24-hr 25 yr Rainfall=5.60"

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Time span=0.00-24.00 hrs, dt=0.02 hrs, 1201 points x 2
Runoff by SCS TR-20 method, UH=SCS, Weighted-CN
Reach routing by Dyn-Stor-Ind method - Pond routing by Dyn-Stor-Ind method

Subcatchment POST-1: Post Development Runoff Area=7,000 sf 100.00% Impervious Runoff Depth>5.36"
Tc=6.0 min CN=98 Runoff=0.88 cfs 0.072 af

Subcatchment POST-2: Post Development Runoff Area=19,130 sf 46.52% Impervious Runoff Depth>5.13"
Tc=6.0 min CN=96 Runoff=2.37 cfs 0.188 af

Pond AP-1: Analysis Point 1

Inflow=3.22 cfs 0.237 af
Primary=3.22 cfs 0.237 af

Pond RECH1: Proposed Recharge System Peak Elev=95.71' Storage=385 cf Inflow=0.88 cfs 0.072 af
Discarded=0.01 cfs 0.015 af Primary=0.86 cfs 0.049 af Outflow=0.86 cfs 0.064 af

Total Runoff Area = 0.600 ac Runoff Volume = 0.259 af Average Runoff Depth = 5.19"
39.15% Pervious = 0.235 ac 60.85% Impervious = 0.365 ac

2097-Post Development

Type III 24-hr 25 yr Rainfall=5.60"

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Summary for Subcatchment POST-2: Post Development Area 2

Post Development Area 2 consists of the remaining areas of the site that will continue to flow unattenuated to off-site drainage systems.

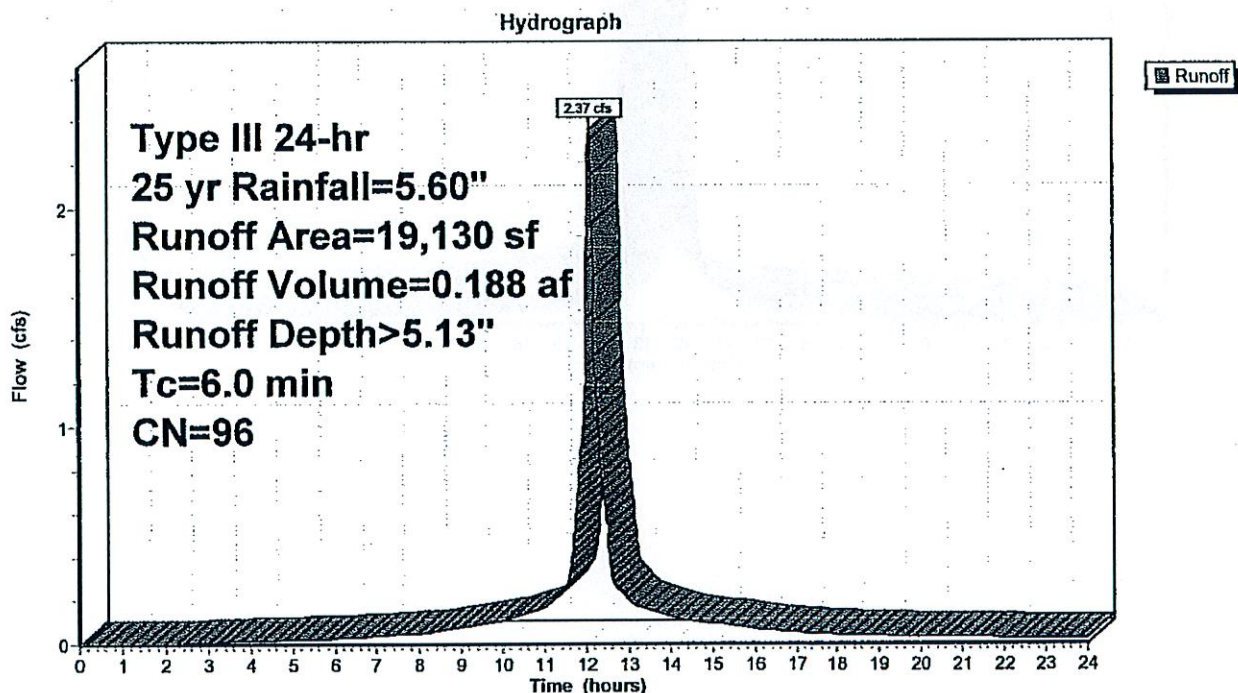
Runoff = 2.37 cfs @ 12.08 hrs, Volume= 0.188 af, Depth> 5.13"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs
Type III 24-hr 25 yr Rainfall=5.60"

Area (sf)	CN	Description
8,900	98	Paved parking & roofs
9,530	96	Gravel surface, HSG C
700	74	>75% Grass cover, Good, HSG C
19,130	96	Weighted Average
10,230		53.48% Pervious Area
8,900		46.52% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment POST-2: Post Development Area 2



2097-Post Development

Type III 24-hr 25 yr Rainfall=5.60"

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Summary for Pond RECH1: Proposed Recharge System

Inflow Area = 0.161 ac, 100.00% Impervious, Inflow Depth > 5.36" for 25 yr event
 Inflow = 0.88 cfs @ 12.08 hrs, Volume= 0.072 af
 Outflow = 0.86 cfs @ 12.10 hrs, Volume= 0.064 af, Atten= 2%, Lag= 0.8 min
 Discarded = 0.01 cfs @ 4.70 hrs, Volume= 0.015 af
 Primary = 0.86 cfs @ 12.10 hrs, Volume= 0.049 af

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs / 2

Peak Elev= 95.71' @ 12.10 hrs Surf.Area= 340 sf Storage= 385 cf

Plug-Flow detention time= (not calculated: outflow precedes inflow)

Center-of-Mass det. time= 27.7 min (773.4 - 745.7)

Volume	Invert	Avail.Storage	Storage Description
#1A	93.50'	289 cf	8.50'W x 40.00'L x 2.54'H Field A 864 cf Overall - 141 cf Embedded = 723 cf x 40.0% Voids
#2A	94.50'	141 cf	Cultec C-100HD x 10 Inside #1 Effective Size= 32.1"W x 12.0"H => 1.86 sf x 7.50'L = 14.0 cf Overall Size= 36.0"W x 12.5"H x 8.00'L with 0.50' Overlap Row Length Adjustment= +0.50' x 1.86 sf x 2 rows
		431 cf	Total Available Storage

Storage Group A created with Chamber Wizard

Device	Routing	Invert	Outlet Devices
#1	Discarded	93.50'	1.020 in/hr Exfiltration over Surface area
#2	Primary	95.50'	6.0" Horiz. Orifice/Grate X 2.00 C= 0.600 Limited to weir flow at low heads

Discarded OutFlow Max=0.01 cfs @ 4.70 hrs HW=93.53' (Free Discharge)

↑1=Exfiltration (Exfiltration Controls 0.01 cfs)

Primary OutFlow Max=0.85 cfs @ 12.10 hrs HW=95.70' TW=0.00' (Dynamic Tailwater)

↑2=Orifice/Grate (Orifice Controls 0.85 cfs @ 2.18 fps)

2097-Post Development

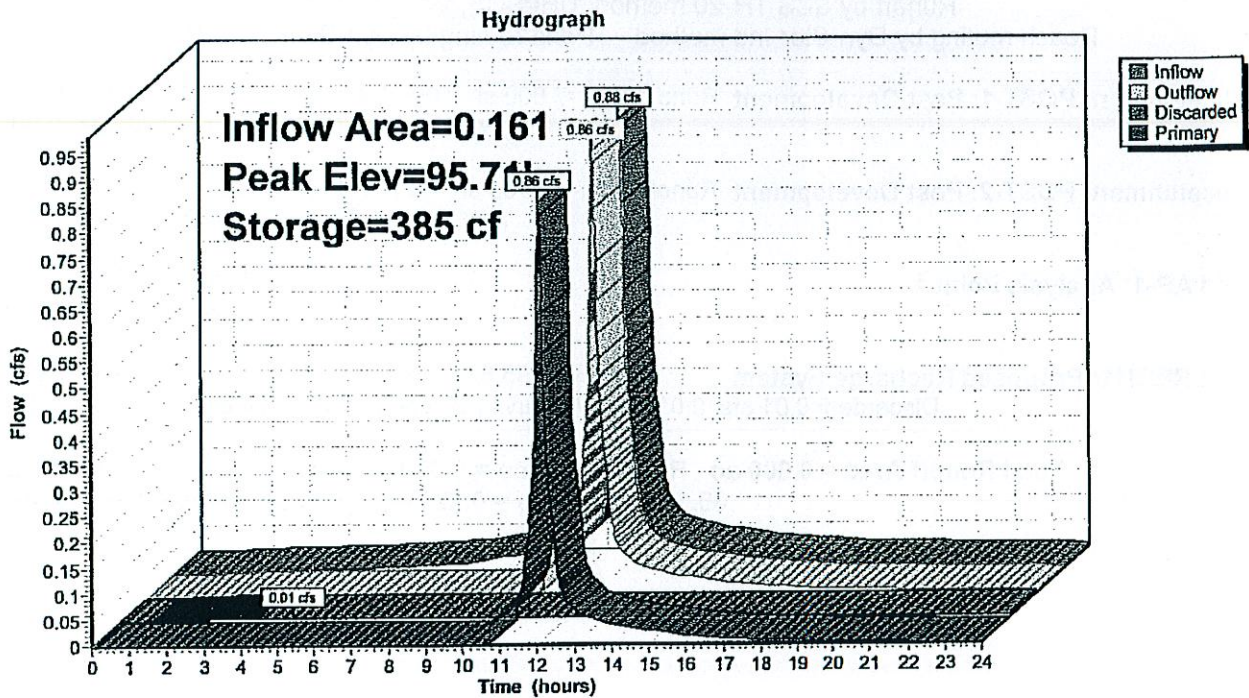
Type III 24-hr 25 yr Rainfall=5.60"

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Pond RECH1: Proposed Recharge System



2097-Post Development

Type III 24-hr 100 YR Rainfall=7.00"

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Summary for Subcatchment POST-1: Post Development Area 1

Post Development Area 2 consists of the remaining areas of the site that will continue to flow unattenuated to off-site drainage systems.

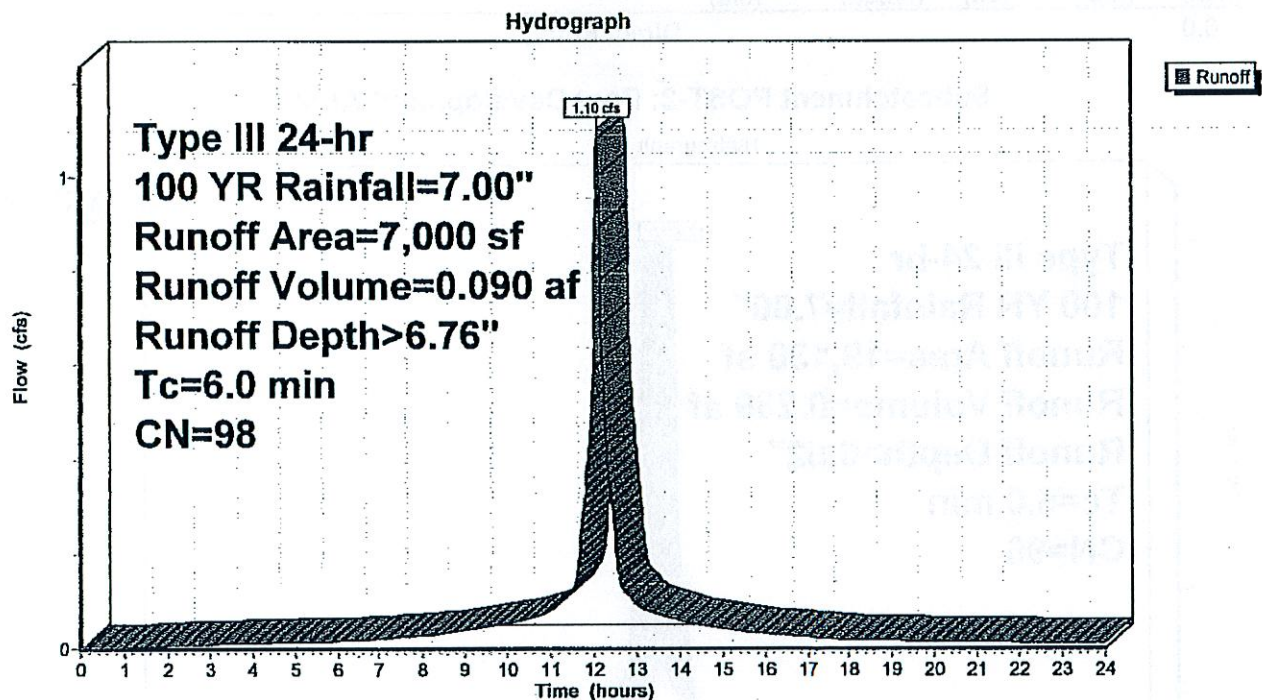
Runoff = 1.10 cfs @ 12.08 hrs, Volume= 0.090 af, Depth> 6.76"

Runoff by SCS TR-20 method, UH=SCS, Weighted-CN, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs
Type III 24-hr 100 YR Rainfall=7.00"

Area (sf)	CN	Description
7,000	98	Paved parking & roofs
7,000		100.00% Impervious Area

Tc (min)	Length (feet)	Slope (ft/ft)	Velocity (ft/sec)	Capacity (cfs)	Description
6.0					Direct Entry,

Subcatchment POST-1: Post Development Area 1



2097-Post Development

Type III 24-hr 100 YR Rainfall=7.00"

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Summary for Pond AP-1: Analysis Point 1

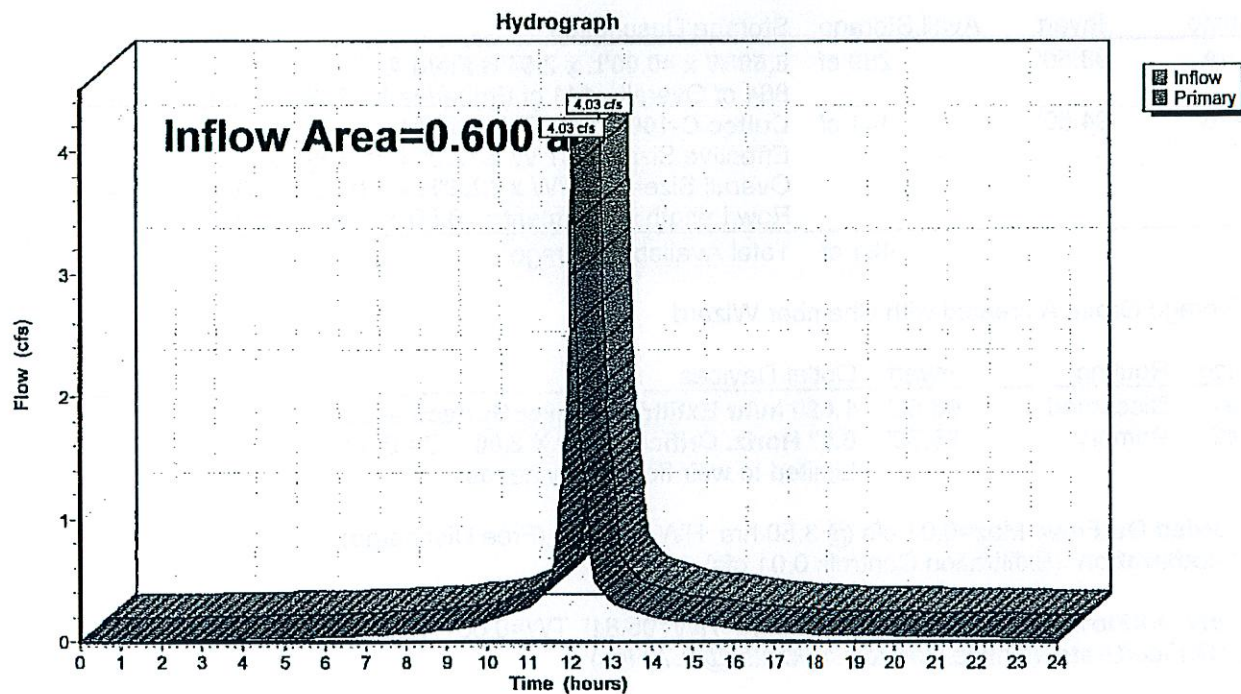
Analysis Point 1 is taken as the off-site drainage systems to which the site currently flows to unattenuated.

[40] Hint: Not Described (Outflow=Inflow)

Inflow Area = 0.600 ac, 60.85% Impervious, Inflow Depth > 6.12" for 100 YR event
Inflow = 4.03 cfs @ 12.09 hrs, Volume= 0.306 af
Primary = 4.03 cfs @ 12.09 hrs, Volume= 0.306 af, Atten= 0%, Lag= 0.0 min

Routing by Dyn-Stor-Ind method, Time Span= 0.00-24.00 hrs, dt= 0.02 hrs / 2

Pond AP-1: Analysis Point 1



2097-Post Development

Type III 24-hr 100 YR Rainfall=7.00"

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Pond RECH1: Proposed Recharge System - Chamber Wizard Field A

Chamber Model = Cultec C-100HD (Cultec Contactor® 100HD)

Effective Size= 32.1"W x 12.0"H => 1.86 sf x 7.50'L = 14.0 cf

Overall Size= 36.0"W x 12.5"H x 8.00'L with 0.50' Overlap

Row Length Adjustment= +0.50' x 1.86 sf x 2 rows

36.0" Wide + 6.0" Spacing = 42.0" C-C Row Spacing

5 Chambers/Row x 7.50' Long +0.50' Row Adjustment = 38.00' Row Length +12.0" End Stone x 2 = 40.00' Base Length

2 Rows x 36.0" Wide + 6.0" Spacing x 1 + 12.0" Side Stone x 2 = 8.50' Base Width

12.0" Base + 12.5" Chamber Height + 6.0" Cover = 2.54' Field Height

10 Chambers x 14.0 cf +0.50' Row Adjustment x 1.86 sf x 2 Rows = 141.5 cf Chamber Storage

864.2 cf Field - 141.5 cf Chambers = 722.7 cf Stone x 40.0% Voids = 289.1 cf Stone Storage

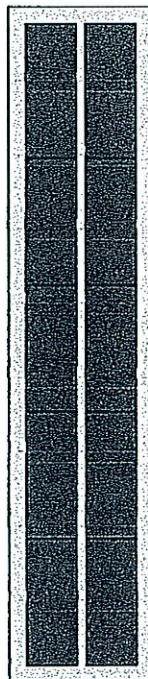
Chamber Storage + Stone Storage = 430.6 cf = 0.010 af

Overall Storage Efficiency = 49.8%

10 Chambers

32.0 cy Field

26.8 cy Stone



Section 4

Supplemental Data

FIELD ENGINEERING, INC.

MATTAPOISETT, MA

RECHARGE VOLUME CALCULATION

Client:	HATHAWAY COLLISION CENTER	Job No.	2097
Project:	167 POTTER STREET	Date:	8/11/2016
Location:	NEW BEDFORD MA	Design by:	R. RICCIO

REQUIRED RECHARGE VOLUME - ROOF DRAIN RECHARGE SYSTEM (CALCULATED BY THE STATIC METHOD)

HYDROLOGIC SOIL GROUP	C
UNIT VOLUME (in.) =	0.25
IMPERVIOUS AREA (s.f.) =	15,000
RECHARGE VOLUME (cu.ft.) =	313

AVAILABLE VOLUME CALCULATION

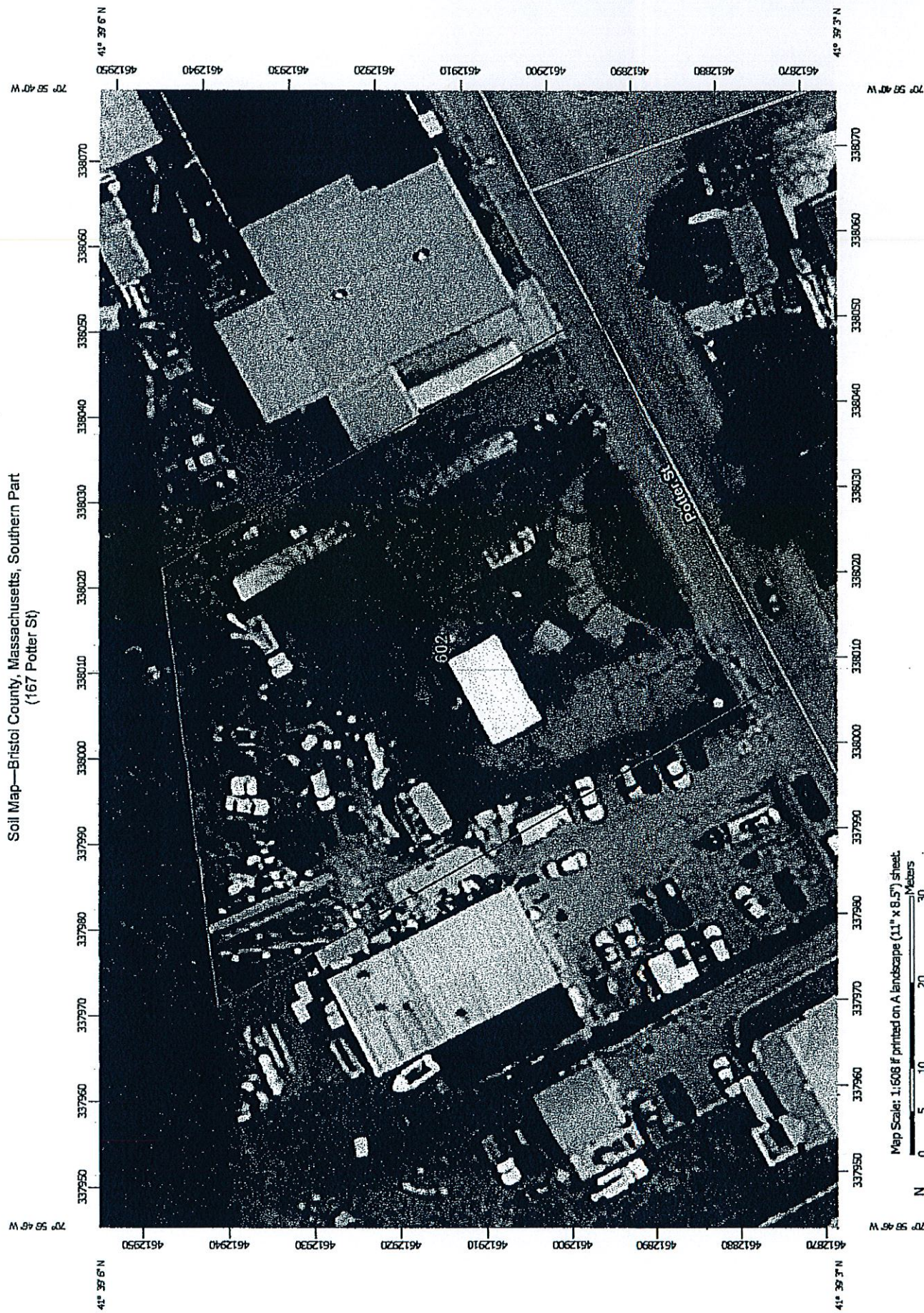
312 CF OF STORAGE PROVIDED WITHIN THE ROOF DRAIN
RECHARGE SYSTEM (BASED ON HYDROCAD CALCULATIONS-SEE
ATTACHED SHEET)

DRAWDOWN TIME CALCULATION

$\text{DRAWDOWN TIME} = (\text{REQ. RECH. VOL.}) / (\text{DES. INFILTRATION RATE "K"} * \text{BOTTOM AREA})$

RECHARGE VOLUME PROVIDED (CF)=	352.0	
DESIGN INFILTRATION RATE (IN/HR)=	1.0	
BOTTOM AREA(SF)=	333.0	
DRAWDOWN TIME (HRS)=	12.4	OK

Soil Map—Bristol County, Massachusetts, Southern Part
(167 Potter St)



Map Scale: 1:608 if printed on A landscape (11" x 8.5") sheet.



































































Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 19N WGS84

Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

MAP LEGEND

	Area of Interest (AOI)		Soil Map Unit Polygons		Soil Map Unit Lines		Soil Map Unit Points		Special Point Features		Blowout		Borrow Pit		Clay Spot		Closed Depression		Gravel Pit		Gravelly Spot		Landfill		Lava Flow		Marsh or swamp		Mine or Quarry		Miscellaneous Water		Perennial Water		Rock Outcrop		Saline Spot		Sandy Spot		Severely Eroded Spot		Sinkhole		Slide or Slip		Sodic Spot
	Area of Interest (AOI)		Soil Map Unit Polygons		Soil Map Unit Lines		Soil Map Unit Points		Special Point Features		Blowout		Borrow Pit		Clay Spot		Closed Depression		Gravel Pit		Gravelly Spot		Landfill		Lava Flow		Marsh or swamp		Mine or Quarry		Miscellaneous Water		Perennial Water		Rock Outcrop		Saline Spot		Sandy Spot		Severely Eroded Spot		Sinkhole		Slide or Slip		Sodic Spot
	Spoil Area		Stony Spot		Very Stony Spot		Wet Spot		Other		Special Line Features		Water Features		Streams and Canals		Transportation		Rails		Interstate Highways		US Routes		Major Roads		Local Roads		Background		Aerial Photography																

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Bristol County, Massachusetts, Southern Part
Survey Area Data: Version 9, Sep 28, 2015

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Mar 30, 2011—Oct 8, 2011

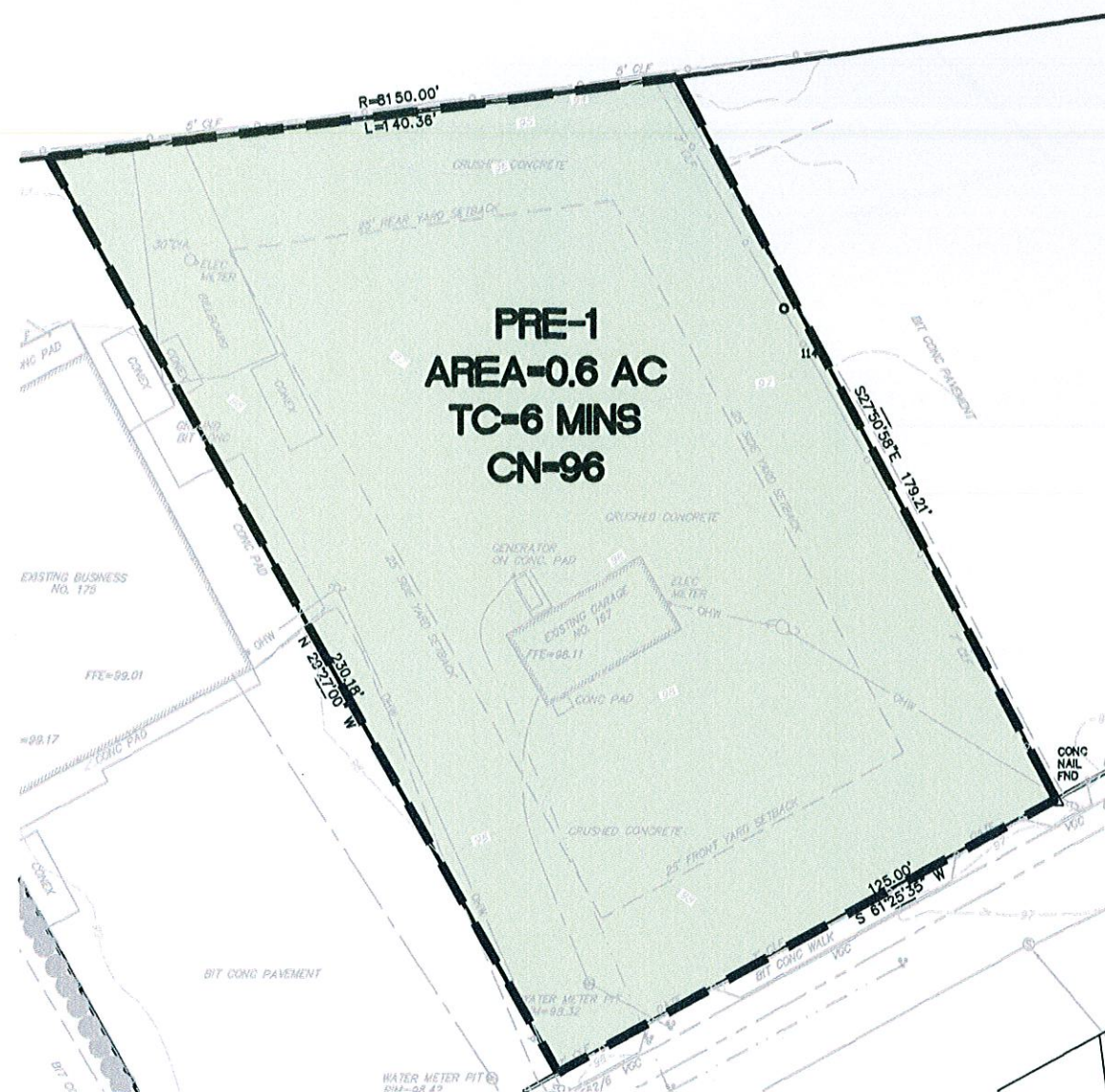
The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

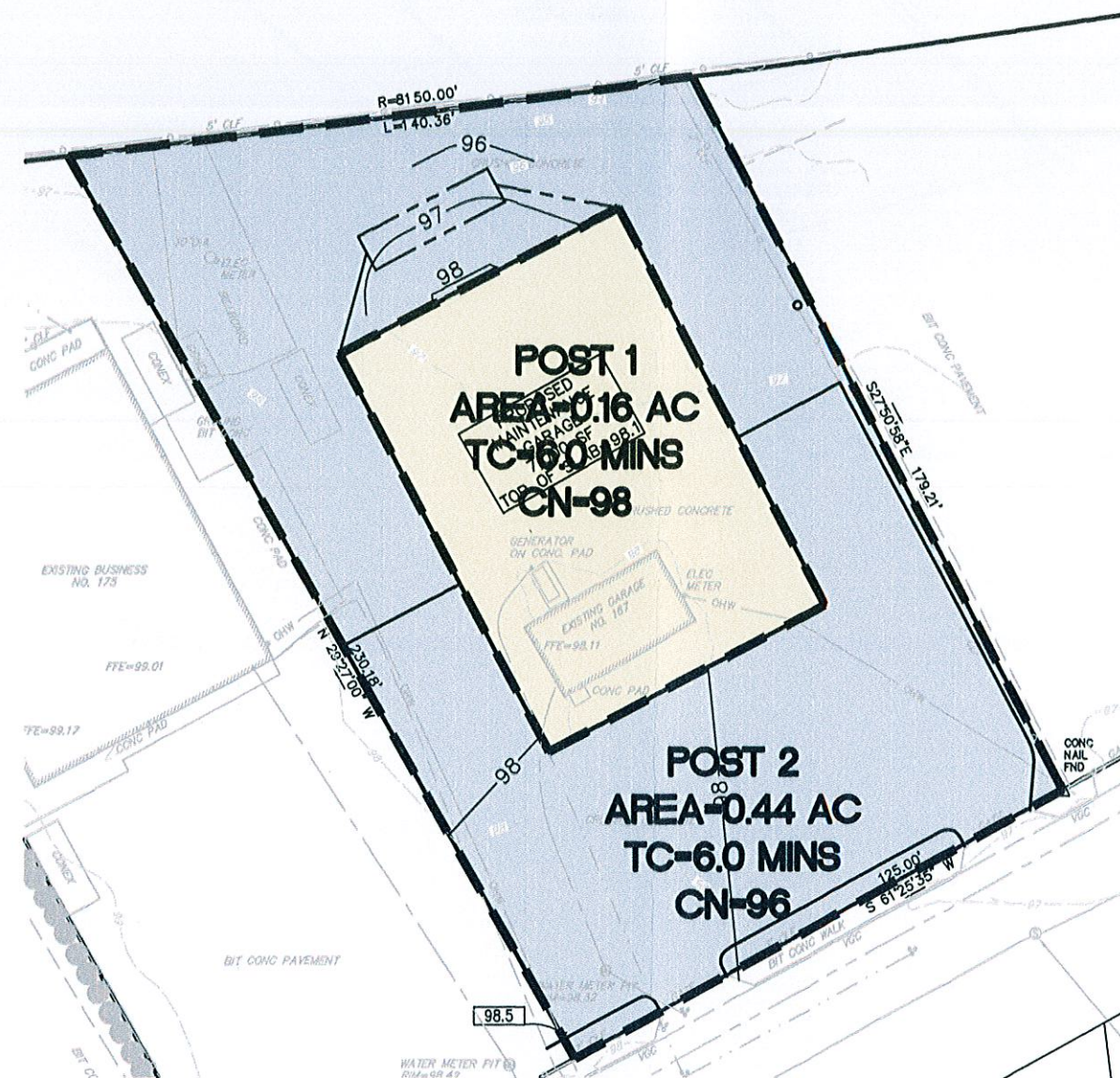
Bristol County, Massachusetts, Southern Part (MA603)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
602	Urban land	0.8	100.0%
Totals for Area of Interest		0.8	100.0%

Appendix A

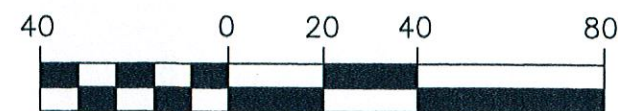
Pre and Post Development Watershed Sketches



PRE DEVELOPMENT PLAN



POST DEVELOPMENT PLAN



SCALE: 1 INCH = 40 FEET

FIELD
ENGINEERING CO., INC.
CONSULTING ENGINEERS

SCALE: 1"=40'

FIGURE 1
WATERSHED PLAN
HATHAWAY COLLISION CENTER
167 POTTER STREET
8/12/16

Appendix B

Long Term Pollution Prevention Plan

Long Term Pollution Prevention Plan
Proposed Site Development
Hathaway Collision Center
167 Potter Street
New Bedford, Massachusetts

1.0 Introduction

This Long Term Pollution Prevention Plan has been prepared in accordance with the Massachusetts Stormwater Handbook for Compliance with Stormwater Standards 4-6.

2.0 Good Housekeeping Practices/Storage Provisions

Good housekeeping practices including periodic inspections of stormwater management system components will be performed in accordance with the Stormwater Management System Operation and Maintenance Plan. It is not anticipated that any high pollutant materials would be stored on site in areas that would discharge directly any wetland resource areas or drainage system. It would be anticipated that maintenance personnel would make routine periodic inspections of the facility to ensure there are no issues with any materials stored on-site.

3.0 Vehicle Washing Controls

It is not anticipated that any vehicle washing would be taking place on site. The proposed use is an auto-body repair facility and significant vehicle washing will not take place.

4.0 Routine Maintenance of Stormwater BMP's

The Stormwater BMP's including the proposed roof drain recharge system and proposed edge drain will all be operated and maintained in accordance with the Stormwater Management System Operation and Maintenance Plan which is discussed on the Site Development Plans.

5.0 Spill Prevention and Response Plans

Emergency contact numbers will be posted through the facility that may occupy the building with a 24-hour contact number in the event of any spills on-site.

6.0 Landscaping Provisions

Landscaping on-site will consist strictly of loam and seeded areas. It is anticipated that the grassed areas will be mowed once or twice annually. Disposal of lawn and garden waste will be prohibited from any areas being used for stormwater management as well as in the wetland resource areas. Additionally, provisions shall be made to minimize the amount of fertilizers and other materials that will be allowed to be discharged within the landscaped areas on the site.

7.0 Pet Waste Management Provisions

It is not anticipated that there would be any pets on site at the existing auto repair facility.

8.0 Provisions for Solid Waste Management

Solid waste will be managed with existing trash containers and dumpsters located on-site.

9.0 Snow Disposal Guidelines

Plowing directly into the wetland resource areas or buffer zones will not be permitted. All snow stored on site will melt and flow through the stormwater management system.

10.0 Winter Road Salt and Sand Use

The use of road salt will not be allowed on the site. Sand will be used wherever possible. It is not anticipated that large quantities of road salt and/or sand will be stored on site.

11.0 Illicit Discharge Prevention

Illicit connections to the stormwater management system will be strictly prohibited. Any contractors performing work at the site will be notified of the prohibition of any illicit connections to the stormwater management system. All work done on site shall be per the approved design plans.

12.0 Training for Staff

- The owners of the building will be required to operate and maintain the Stormwater Management System. Any Site Management Staff would be properly trained in the operation and maintenance of the Stormwater Management System.

13.0 Emergency Contacts

The applicants for the project, Hathaway Collision Center, would be the emergency contacts for any implementation measures that may be required on this Long-Term Pollution Prevention Plan. Emergency contact numbers are posted throughout the site and facilities should any emergency situations arise.

Appendix C

Illicit Discharge Compliance Statement

Illicit Discharge Compliance Statement
Proposed Site Development
Hathaway Collision Center
167 Potter Street
New Bedford, Massachusetts

1.0 Description of Illicit Discharges

Illicit discharges are discharges to the stormwater management system that are not entirely composed of stormwater. Illicit discharges include (but are not limited to) wastewater discharges and discharges of stormwater contaminated by contact with process wastes, raw materials, toxic pollutants, hazardous substances, oil, or grease.

2.0 Illicit Discharge Prevention

The project, as designed, does not provide for any illicit connections to the proposed stormwater management system. As part of the long-term pollution prevention plan that will be on file at the Town and with the Owners, illicit connections to the stormwater management system will be strictly prohibited. Any contractors performing work at the site will be notified of the prohibition of any illicit connections to the stormwater management system.

3.0 Training for Staff


The property owner/managers responsible for the maintenance of the stormwater management system will be properly trained as required to detect any unauthorized illicit discharges to the stormwater management system and eliminate them as soon as possible. It is anticipated that staff will be performing routine maintenance on the stormwater management system and at this time would be able to detect any unauthorized illicit discharges.

4.0 Site-Map

Refer to Proposed Site Development Plans prepared for Hathaway Collision Center by Field Engineering for locations and information on the proposed stormwater management system associated with this project.

5.0 Certification

As the design plans show, there are no provisions for illicit discharges to the stormwater management system being proposed. Additionally, there are no proposed connections between any stormwater and wastewater management systems. Illicit discharges will be prohibited to the new stormwater management system associated with the proposed project and the property owners have been notified to not allow any unauthorized illicit discharges.



Richard R. Riccio III, P.E.