LEWIS LANDING

PROPOSED MULTI-UNIT RESIDENTIAL DEVELOPMENT HUTTLESTON AVE. FAIRHAVEN, MASSACHUSETTS



APPLICANT/OWNER:

DANA LEWIS 18 TANNER LANE FAIRHAVEN, MA 02719

LOCUS:

MAP 31 - LOT 117C AND LOT 115A HUTTLESTON AVENUE FAIRHAVEN, MA

SCHEDULE OF DRAWINGS

SHEET NUMBER	PLAN TITLE				
-	COVER SHEET				
1	EXISTING CONDITIONS PLAN				
2	SITE LAYOUT AND LANDSCAPING PLAN				
3	GRADING & UTILITIES PLAN				
4	EROSION CONTROL PLAN				
5	DETAIL SHEET-1				
6	DETAIL SHEET-2				
7	ARCHITECTURALS				

PLANNING BOARD WAIVERS REQUESTED FOR STORMWATER MANAGEMENT REGULATIONS

- FAIRHAVEN ZONING BYLAW 198-31.1 (C)
 (2) (g) [6] REQUIRING BASINS AND
 PONDS TO HAVE 4:1 SIDE SLOPES AND
 SEDIMENT FOREBAYS TO HAVE 3:1 SIDE
 SLOPES
- FAIRHAVEN ZONING BYLAW 198-31.1 (A)

 (1) (a) [2] ALLOWING NO INCREASE IN
 THE 10-YEAR STORM RUNOFF VOLUME
 DUE TO SOILS UNSUITABLE FOR
 INFILTRATION.



SCALE: 1"=100"

SEPTEMBER 9, 2019
REVISED JULY 8, 2020

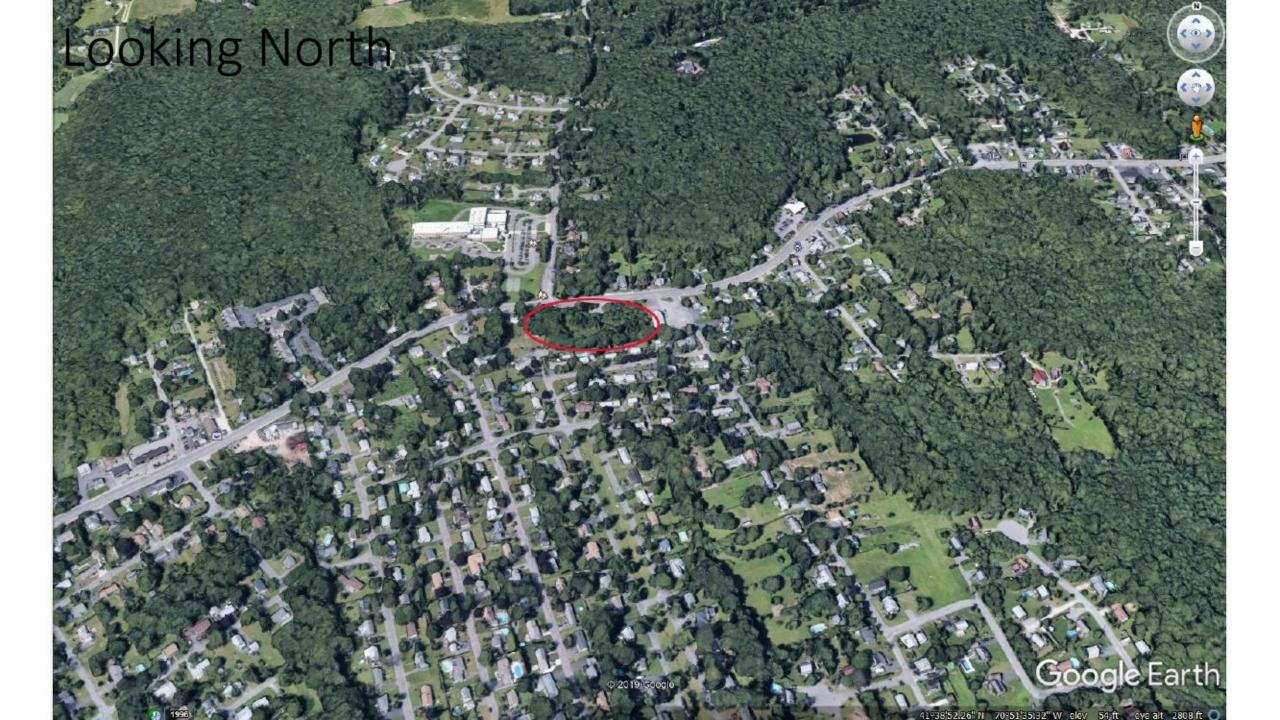
PRIME ENGINEERING

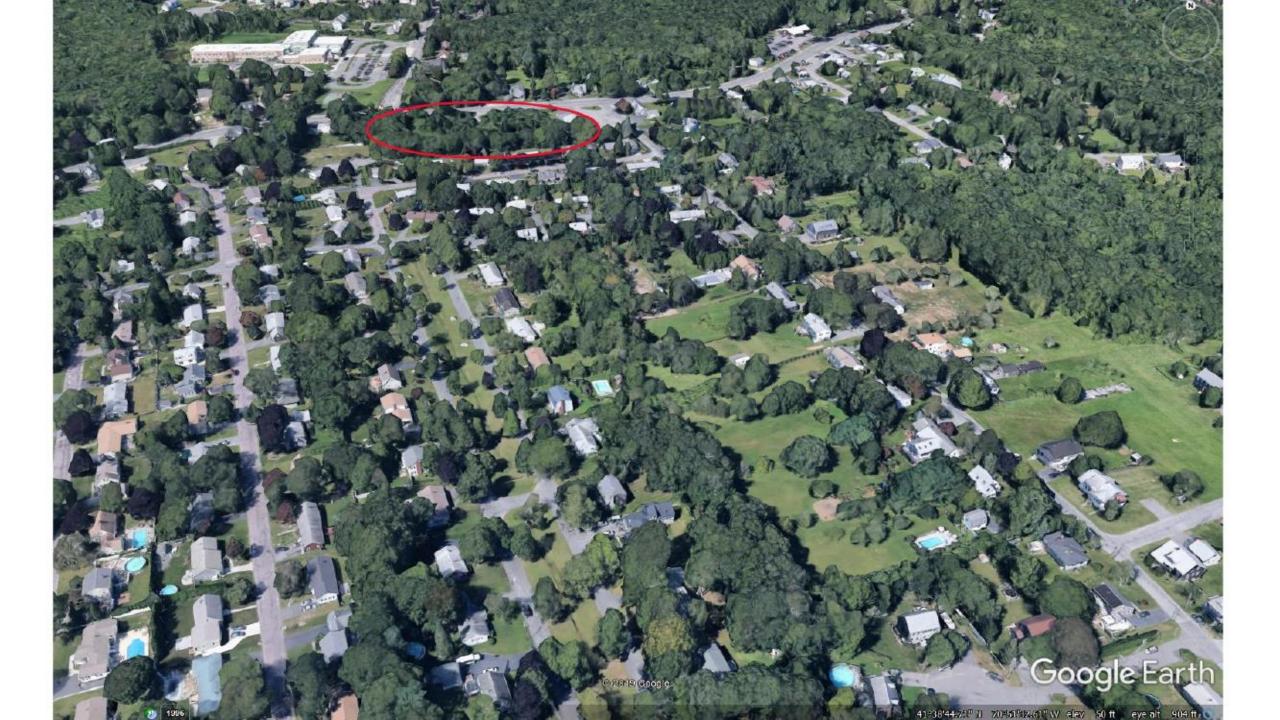
PREPARED BY:

CIVIL ENGINEERING—LAND SURVEYING—ENVIRONMENTAL ASSESSMENT P.O. BOX 1088, 350 BEDFORD STREET, LAKEVILLE, MA 02347 TEL: 508.947.0050 FAX: 508.947.2004









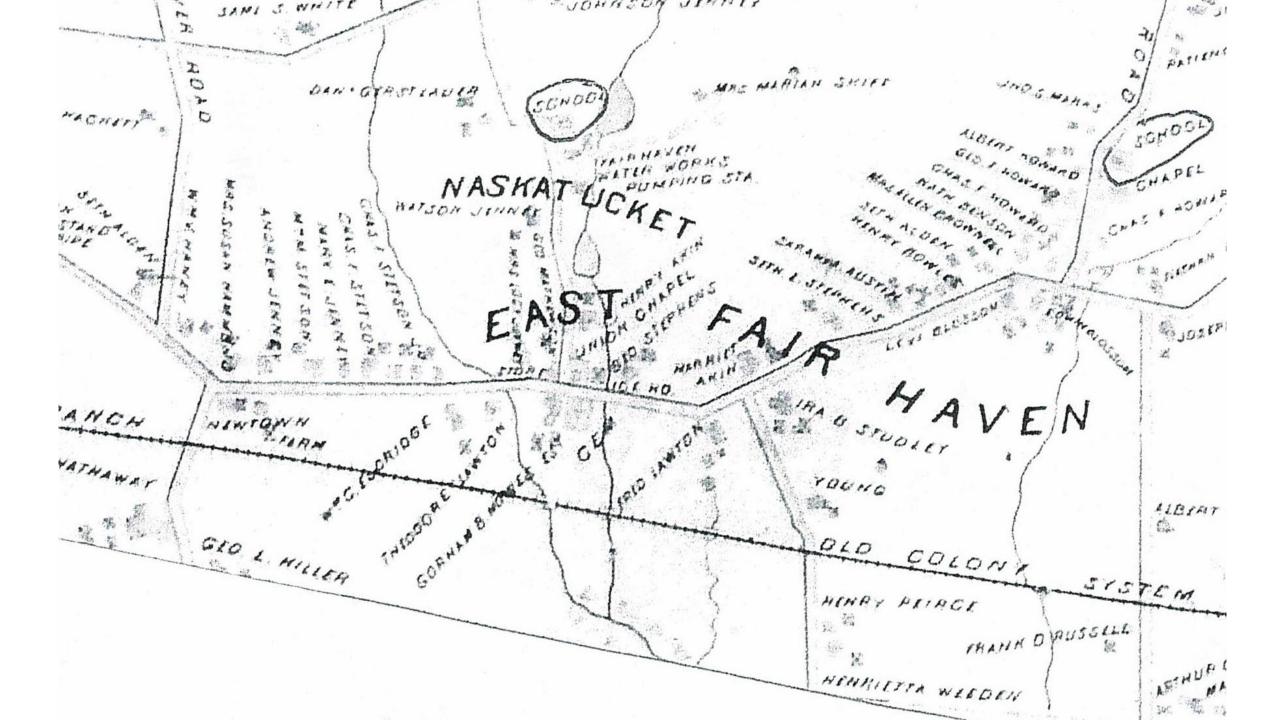


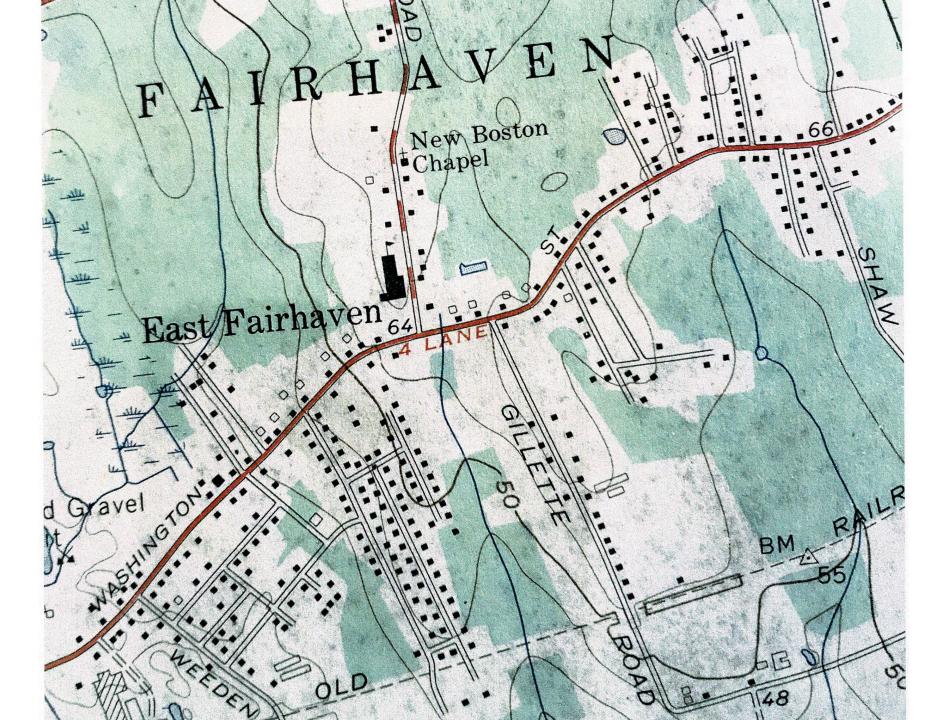




- SOMETE AUFUS SPOU 0 1895 CHAS. JENNEY SETH DELAND Z Z JEREMIAH BUMPAS JNO. HOWARD PATIENCE SHERMER MRS. L. MOULTON VSON JENNEY UND S. MARKS MRS. MARIAH SKIFF SCHOOL ALBERT HOWARD - CHAPEL GEO. F. HOWARD CHAS. F. HOWARD NATH BENSON HAVEN KS ATER WORKS PUMPING STA. MRSALLEN BROWNELL MENATHAN BENSON J.WILLIAMS STONE MATTAPOISETT SETH ALDEN SAN POST HENRY BOWLES ADAD JOSEPH FRANCIS SARAH A. AUSTIN J.F.TRIPP SETH. E. STEPHENS M. M. LEMOS E E OWN BLOSSOM 16to STEPHENS HENRY HARRIE TIRA B. STUDLEY ERED LAWTON ALBERT GELETT YDUNG TO

ALBERT HOWARD -CHAPEL GEO. F. HOWARD CHAS. F. HOWARD CHAS. F. HOWARD BENSON BENSON NATH. BENSON MRSALLEN BROWNELL J.WILLIAMS MATTA POISETT ROAD SETH ALDEN & HENRY BOWLES J.F.TRIPP JOSEPH FRANCIS ARAH A. AUSTIN & M. M. LEMP EDWN BLOSSON E. STEPHENS LEVI BLOSSOM 多吗 英 HAVEN TIRA B. STUDLEY ALBERT GELETT YDUNG 1





DESCRIPTION

- Applicant: Dana Lewis, Represented by Richard Rheaume, P.E. of Prime Engineering, Inc.
- Project Location: The location is Huttleston Avenue (between 347 and 355), Map 31
 Lots 115A and 117C. The project is directly to the west of the liquor store on the
 corner of Rt. 6 and Gellette Rd.
- **Proposal:** To construct Twelve (12) residential units with twenty-four (24) bedrooms in four (4) multi-unit residential buildings with three (3) two-bedroom units each. twenty-eight (28) parking spaces and associated infrastructure, stormwater control and landscaping.
- Zoning: Rezoned to Apartment/Multifamily (RC) from RA and B in 2018.
- Local Permits: Conservation Commission Notice of Intent for work within the 100-foot buffer to wetlands; Building; Land Disturbance Permit (Chapter 194) from the Fairhaven Board of Public Works.
- Other Permits: The proposed work area is over 1 acre and requires filing an US EPA
 NPDES permit and associated SWPPP;

Project History:

- The site was a wetland that was mostly filled and became a roadwork staging area.
- The site is overgrown with brush that are mostly invasive species.
- A stonewall separates the smaller lot 115A, which is a few feet lower, than 117C.
- The two properties were <u>rezoned to Apartment/Multifamily (RC) from RA and B</u> in 2018 by a developer. The rezone was approved with a <u>Covenant</u> "limiting the total number of condominium units in their project...". The Covenant also requires "Condominium Documents, which will be reviewed by Town Counsel prior to project approval...". The current proposal is for apartments.
- As part of the rezone the "Covenantors" agreed to a condition "they will limit their Project
 to a total of not more than twelve (12) condominium units having no more than twenty-four
 (24) bedrooms total and structures not to exceed two (2) stories." It also includes that
 "Project's Condominium Documents, which will be reviewed by Town Counsel prior to
 Project approval..."
- The smaller lot, Map 31, 115A, is 19,005 square feet and was a Single Residence District (RA). The larger lot, Map 31, Lot 117C is 2.06 acres and was Business District (B) since 1965. Both were rezoned to Apartment/Multifamily Districts (RC).
- At the time of the rezone, the Police Department noted that they had a concern with any
 future ingress/egress to the site because of the curvature and hill on Huttleston Avenue. As
 one combined similarly zoned lot the Special Permit Authority can limit curb cuts.

ADMINISTRATIVE SUMMARY

- Complete Filing Received: September 21, 2019.
- Advertisements: The project was originally advertised in the Thursday October 17, 2019 and Thursday October 24, 2019 editions of the Fairhaven Neighborhood News. The project was re-advertised in the Thursday August 6, 2020 and August 13, 2020 editions of the Fairhaven Neighborhood News.
- Extensions: On October 15, 2020 the Agent requested a continuation to the November 5, 2029 Public Hearing; On March 9, 2020 the Agent requested a continuation to the March 24, 2020 public hearing; On March 9, 2020 the Agent granted an additional two months to action on the petition. On March 10, 2020, the Governor declared a State of Emergency tolling all permits until 90 days after the end of the State of Emergency. The State of Emergency is still in effect.
- Routing Sent: January 3, 2020
- **Public Hearing:** The Lewis Landing Special Permit public hearing was opened on January 28, 2020 and continued to February 25, 2020. The public hearing was heard on that date and was continued again to March 25 but that meeting was cancelled due to the State of Emergency. The continued Public Hearing was re-advertised and noticed to resume on August 25, 2020.

SP 2019-13 Lewis Landing Routing Comments

• Fire Department:

No concerns except developer needs the correct water main size for sprinkler system.

Police Department:

- Note Route 6 has heavy traffic at this location and have a <u>concern with the sightline</u> <u>distance to the left</u> when exiting the property from the proposed westerly entry.
- Most MV's drive well in excess of eastbound 35 MPH (school, hill, curve).

Public Works Department:

- Existing drain manhole at the SW corner of the property needs to be rebuilt;
- Southwest corner of the site has ponding of water now.
- Discharge at proposed maintenance shed will only make the problem worse
- · Sewer: Several clarifications needed.
- Water: 8" Ductile Iron Water Main needed for project and Separate water shut off needed for each unit.
- BPW: Preconstruction Meeting with Utility Contractor
 - Fees: Sewer, Water, Driveway, Trench Permit, Inspection Services and As-built plans

SP 2019-13 Lewis Landing Routing Comments

Conservation :

- Project before the Conservation Commission since October 15, 2019.
- Revised plans dated December 4, 2019 were submitted in response to peer review comments regarding stormwater.
- The applicant is <u>requesting variances to the Massachusetts Wetlands</u>
 <u>Protection Act Stormwater Regulations</u>. Additionally, there are a few <u>aspects of the stormwater design that do not meet Massachusetts</u>

 <u>Stormwater Standards</u>.
- The engineer submitted <u>revised plans</u> and responses to the most recent stormwater peer review on January 23 to be presented to the Conservation Commission at their January 27 meeting.

Environment

- Overall, the site consists of invasive brush and contains a lot of wild rose and phragmytes. There is one specimen Linden Tree that has been identified to be retained.
- All of the proposed rain garden plants are native.
- Most of the landscaping plants are native.
- Wetlands: Soil tests indicate the site was a wetland that was mostly filled.
- The southern border and southwest corner are still wetlands.
- Two of the proposed four-unit buildings are within the 100-foot buffer of the wetlands.
- Stormwater is piped under the road to a low spot to an old manhole and then piped in another line to an open swale that runs several blocks down along Brook Drive.
- Habitat: The site is not in an NHESP Priority Habitat

Storm water:

- The fourth and most recent Peer Review by GCG was submitted on May 11, 2020 based on the February 14, 2020 plans. The Agent has subsequently revised the plans on June 26, 2020 and July 8, 2020. Staff has asked the Agent to prepare a response to the GCG Comments of May 11.
- The Agent submitted 4 letters dated June 1; June 20; June 24 and July 23, 2020.
 - <u>June 1, 2020</u>: Agent notes that Peer Review wants them to cut the trees in the proposed infiltration area on Lot 115A. The Peer Reviewer said they could not accurately calculate the amount of water being detained and that the trees detritus would impact the effectiveness of the detention and maintenance. The Agent requests that they be allowed to retain the existing trees within the proposed infiltration area. He says the area has four times the capacity then required. They also request keeping landscaping along the pocket wetlands which the Peer Review says will block maintenance.
 - June 20, 2020: Agent requests that the Board not require any more Peer Review.
 - June 23, 2020: Agent reports that a video assessment of the existing drain lines and manhole was conducted that shows the "Route 6 drainage system has been abandoned and is clogged with soi. It is clear that MasssDOT extended the drainage system westerly as shon on revised plan...It is proposed to re-habilitate that manhole and to install a bolt down manhole cover..." They believe these two actions will result in less overland flow than currently occurs.
 - July 23, 2020: A one-page summary of changes since February.

Storm water:

- Four (4) waivers from Section 198.31.1 requested. The original Peer Review identified additional Waivers that were required. If the Planning Board approves of the pocket wetland as a Best Management Practice then some of those additional waivers are not required.
 - The majority of paved areas are generally at least 25 feet away from the edge of the wetlands.
 - Applicant offers that once the project is approved an easement will be granted to MassDOT and the Town to preserve the right of the existing drainpipes).
- (Section 198-31.1 (c)(2)(g)[6]. "the design does not meet the 15 feet width access path as required by MSH, which is under MDEP jurisdiction. Since the pocket wetland requires sediment clean once every ten years and will be maintained by a private contractor. Waiver requested.
- (Section 198-31.1 (c)(2)(n)[6]. "The existing RCPs are located at the bottom of constructed pocket wetland, which requires sediment clean out once every 10 years... GCG recommends applicant to install a foot of riprap stone over the two pipes for protections during sediment clean out.
- (Section 198-31.1 (A)(1)(a)[2]. "This is a Town of Fairhaven requirement and as proposed the post-development 10-year storm event would increase the runoff volume from pre-development condition's 0.269 a.f. to 0.411 a.f. It would require additional square feet of infiltration area to control the runoff volume(Note: the area of development has been reduced so the area would be reduced. Staff has requested GCG to estimate the revised area). The latest calculations shown an increase of runoff volume of 0.148-acre feet (6,447 cubic feet) during the 10-year storm event. This is a local requirement; If a wavier is not considered, this would require an addition infiltration basin be designed at the downstream of pocket wetland outfall." Waiver Requested. GCG recommends to properly sizing the infiltration area based on MSH requirements without the required ESHGW separation. Infiltration volume calculations at the downstream of pocket wetland should be included in the HydroCAD report.
- (Section 198-31.1 (A) (1) (a) [2]. "To allow an increase in the volume of runoff since the soils are not suitable for infiltration. See comment #3 above. See comment #3 above".

Transportation

- Access: Proposal now has one driveway onto Route 6. However, it is onto a busy section of Route 6 carrying 11,000- 12,000 cars a day.
 - The existing driveway is proposed to be relocated to the west about 80' from existing curb cut. A second entry was removed.
 - Liquor store has a 60' wide curb cut on Route 6 and 160' wide cut on Gellette Road.

• Sight Lines:

- The sightline from the proposed driveway is just over 300 feet but is located at a dangerous location.
- The driveway is proposed between two intersections that experience a higher crash rate than other sections of the road.
- Exiting the property to the left is an intersection, a curve and a hill.
- Police noted during the Rezone that this was an area of concern.
- Safety/Accidents: From 2015-2017 there appear to have been about six (6) accidents at the New Boston Road/Route 6 Intersection. There appear to have been four (4) accidents at the Gellette/Route 6 intersection with two of those including injuries.

Transportation

- **Trip Generation:** (Existing Zero)
 - 12 residential units can be expected to create approximately 120 vehicle trips/day.
 - Proposed: According to the Applicant traffic estimates
 - The peak hour trips during the morning peak weekday hour (7 a.m. to 9 a.m.) is projected to be 11 with 2 vehicles entering and 9 vehicles exiting.
 - The peak hour trip ends during the adjacent street's afternoon peak weekday hour (4 p.m. to 6 p.m.) is projected to be 12 with 8 vehicles entering and 4 vehicles exiting.
 - Vehicular Volume of Road: Route 6 at this location carries approximately 11,000 12,000 cars a day (SRPEDD Rt. 6 Study). East bound the Speed Limit is 35 MPH and west bound it is 40 MPH.
 - Nearby Intersections (LOS): The LOS for the nearby Intersections is C.
 - Parking: Proposal is for 28 parking spaces including two accessible spots.
 - Mass Transit: This area is not currently serviced by mass transit.

ZONING & SPECIAL PERMIT CRITERIA

- Zoning Criteria: § 198-2. Purpose of Zoning: How does the proposal adhere to the following purposes of § 198:
 - A. Does design promote the health, safety, convenience and general welfare?
- The proposal creates a new curb cut and generates new traffic between two curb cuts (New Boston and Gellete Rd.) that are dangerous.
 - B. Does design lessen the danger from fire, flood, panic and other... disasters?
- The existing site has distinct flooding problems. The revised plan increases the flow of stormwater off of the site but at a slower rate.
 - C. Does design improve and beautify the town?
- The design shows <u>bare utilitarian buildings</u> that do not beautify the Town. The <u>removal of invasive species</u> and addition of street trees is an improvement.
 - D. Does design prevent overcrowding of land?
- The design proposes to fit the <u>maximum number of units</u> allowed by Town Meeting. The two-story units are less than 900 sf each with <u>little storage and no amenities</u>.
 - E. Does design avoid undue concentration of population?
- The plan is crowded.

ZONING & SPECIAL PERMIT CRITERIA

- F. Does design <u>facilitate the adequate needs of water, water supply, drainage,</u> sewerage, schools, parks, open space and other public requirements?
- The site has <u>existing drainage problems</u> that will not be entirely solved by the proposed stormwater system. The site is across Route 6 from the East Fairhaven School. However, the apartments are so small they are not conducive to children.
 - G. Does the design conserve the value of land and buildings, including the conservation of natural resources and the prevention of blight and pollution of the environment?
- The bare buildings originally <u>billed to the Town as condominiums</u> have become rentals that will not improve the value of the neighborhood.
 - H. Does the design encourage the most appropriate use of land throughout the town?
- TBD.
 - I. Does the design preserve and increase amenities ...
- There is no room for additional amenities on the site when fitting 12 units on the available land.

Special Permit Criteria:§198-29(1): How does the proposal show <u>Harmony</u> with the general <u>purpose</u> and intent of the Special Permit chapter, and are the <u>standards of Section 198-29(1) met by the use as designed</u>:

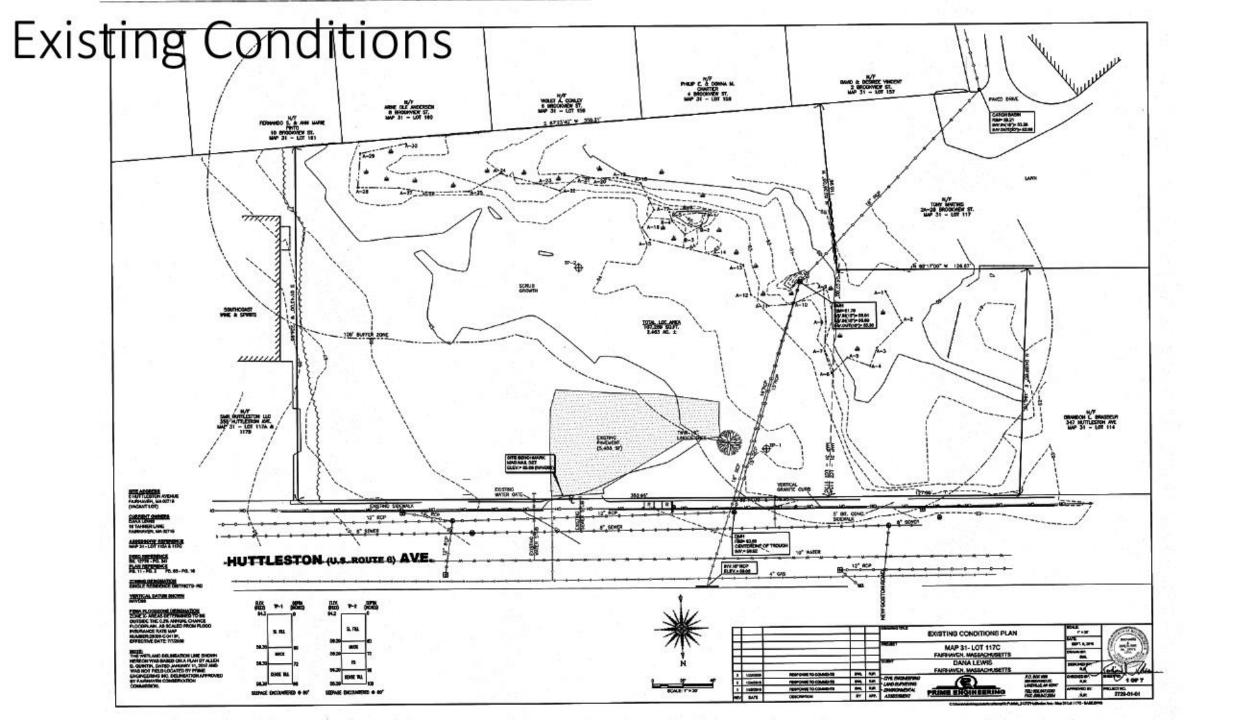
- §198-29(1)(a): Does design assure safety with respect to internal circulation and egress of traffic.
 - The site ingress/egress is not optimal.
- §198-29(1)(b): Does design provide adequate access for fire and service equipment.
 - The Fire Department will be contacted on the revised plan.
- §198-29(1)(c): Does design provide adequate utility services and drainage facilities ...
 - The site was a wetlands that were filled. There was once a larger pond across the road that was filled in over the years. The low side of this site accumulates stormwater before draining to a long drainage swale.
- §198-29(1)(d): Does Landscape design conform to § 198-27C of this chapter.
- §198-27C(1): No <u>off-street parking</u> area for five or more cars shall be located <u>within</u> the required front, side or rear yard <u>setback</u>. If no setback is required minimum parking setback shall be 6'.
 - There is no parking in the setback.
- §198-27C(2): Required parking areas paved, unless exempted by Special Permit.
 - The parking is proposed to be paved.

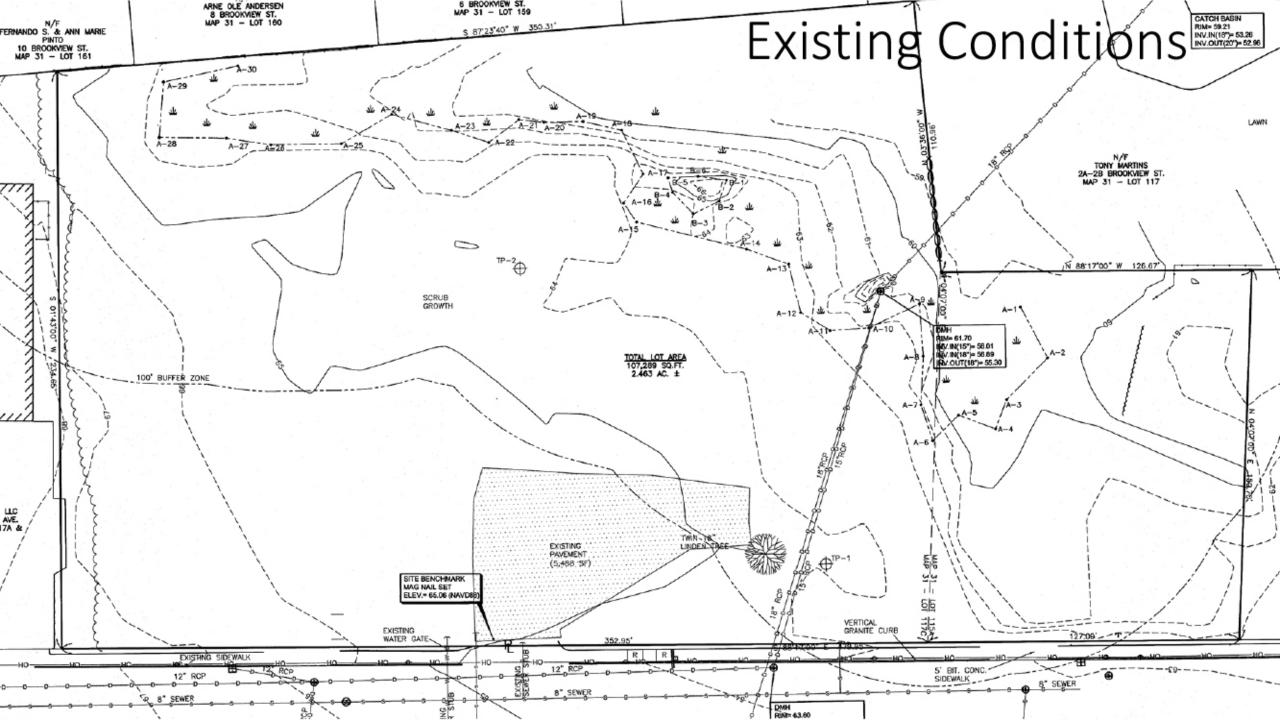
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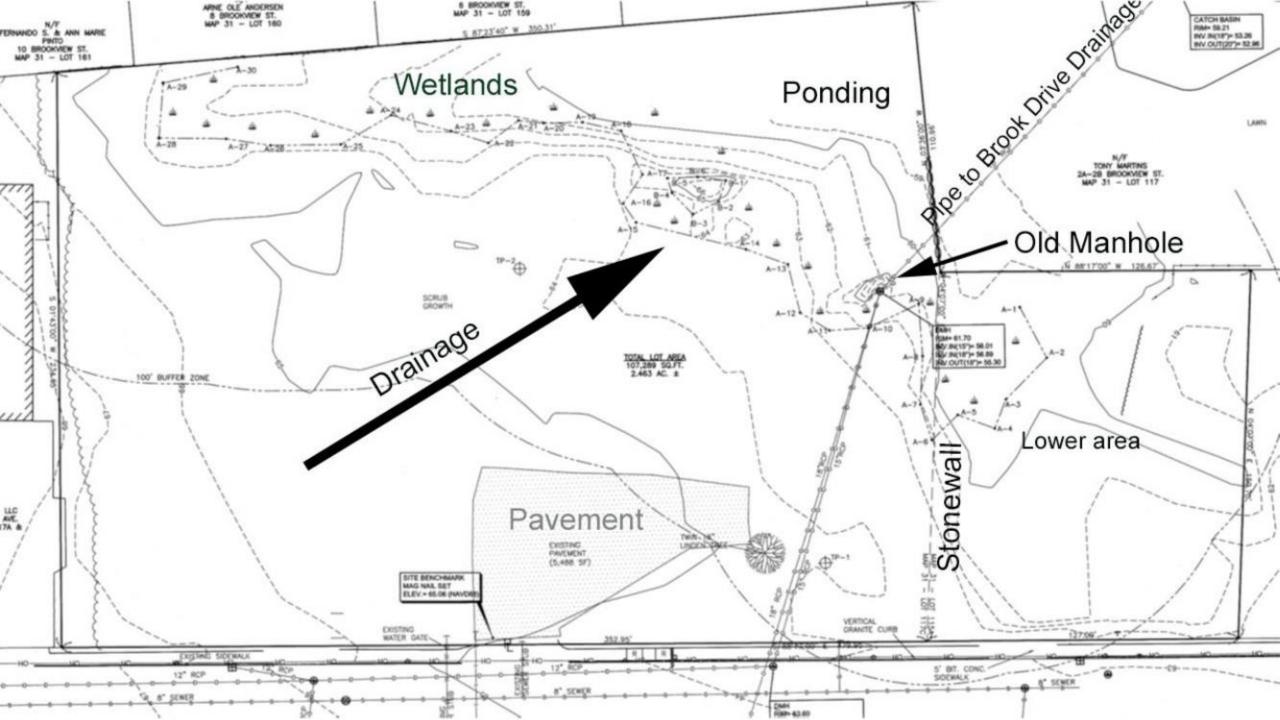
- § 198-27C (3): Backing onto a public way?
 - There is no proposed backing into a public way.
- §198-27C (4): Perimeter landscaping requirements. Parking for 5 or more cars include the following:
- § 198-27C (4) (a): A landscaped buffer strip ...adjacent to any public road...
 - A vegetated buffer strip is proposed with Red Maples and an Inkberry Holly hedge.
- § 198-27C (b): A landscaped buffer strip shall be provided adjacent to any adjoining uses...
 - There is not a landscaped buffer between the units and the abutting liquor store.
 - A 6' stockade fence is proposed along the liquor store parking.
- § 198-27C (c): Plantings shall include the incorporation of evergreen and deciduous plantings ...
 - Blue Spruce evergreen and inkberry evergreens are included among the mostly deciduous plantings.

KEY PLANNING CONCERNS

- <u>Traffic: New Curb cut at Difficult Location</u>:
 - <u>Sightline</u> distance to west is <u>not optimal</u>. Listed as 400 feet it appears to be less than 300 feet and cars generally drive significantly faster than the posted 35 MPH.
 - The extended curb cut of the Liquor Store next to the narrow entrance to Gillette Road creates backups on Route 6. Proposal adds new curb cut at dangerous location just after cars come around a curve on a hill.
- Stormwater and Drainage:
 - Site is located on app. 5' of fill over a onetime wetland with poor soil and a high water table. <u>Infiltration is difficult</u>.
 - Without waivers, Peer Review indicates they would need additional area for infiltration area to control the stormwater runoff. What would the project look like without waivers?
- Wetlands:
 - The southern border and southwest corner are still wetlands.
 - Stormwater is piped under the road to a poorly functioning manhole and then piped in another line to an open swale that runs several blocks down along Brook Drive.
- Flooding:
 - SW corner of the property has a ponding issue.













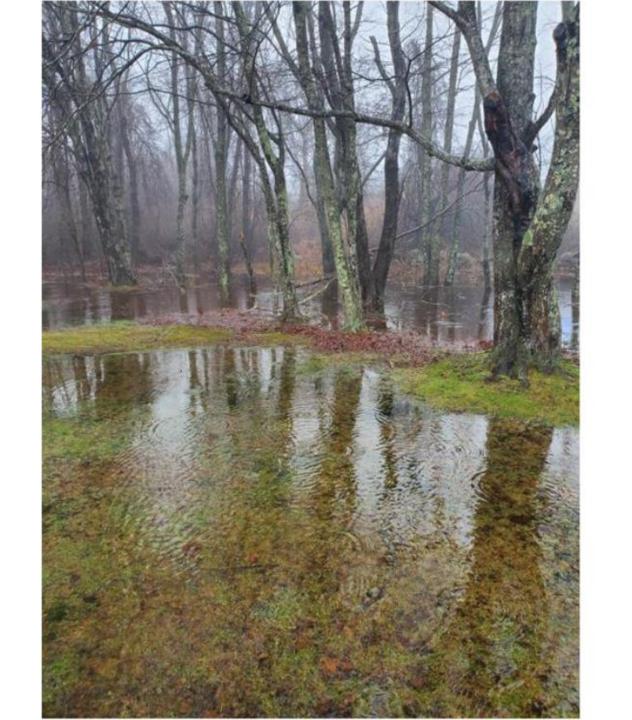












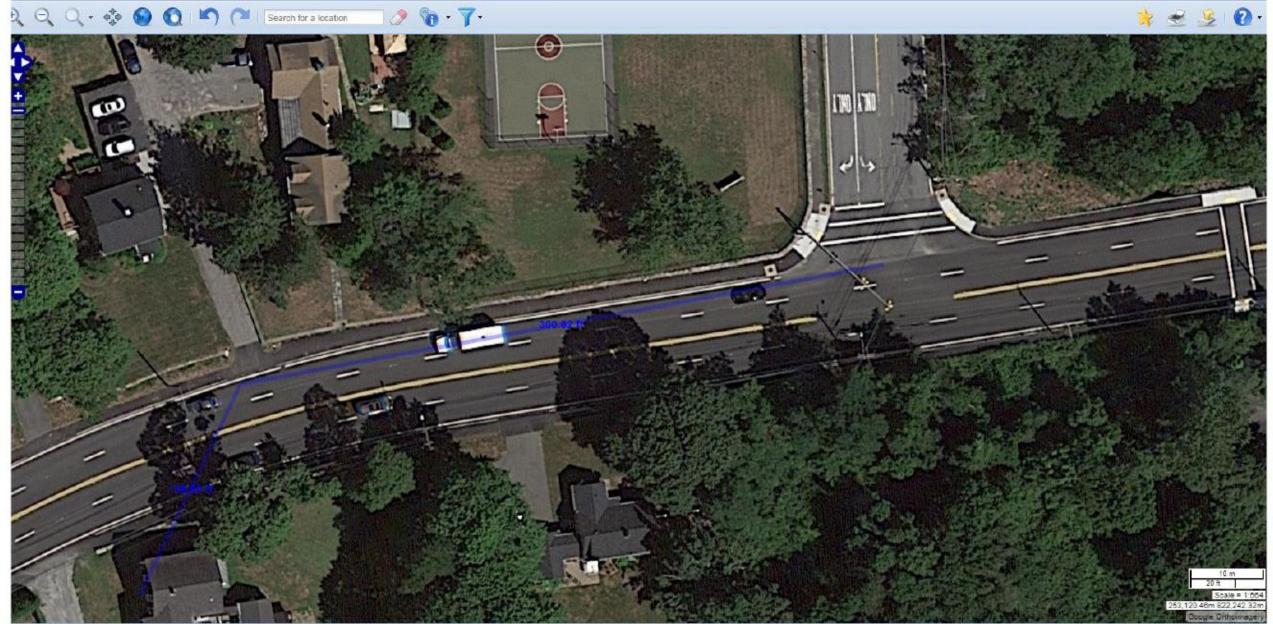


MuniMapper: Fairhaven, MA

Town of Fairhaven Web Site



300' from c.l. NBR to Curve















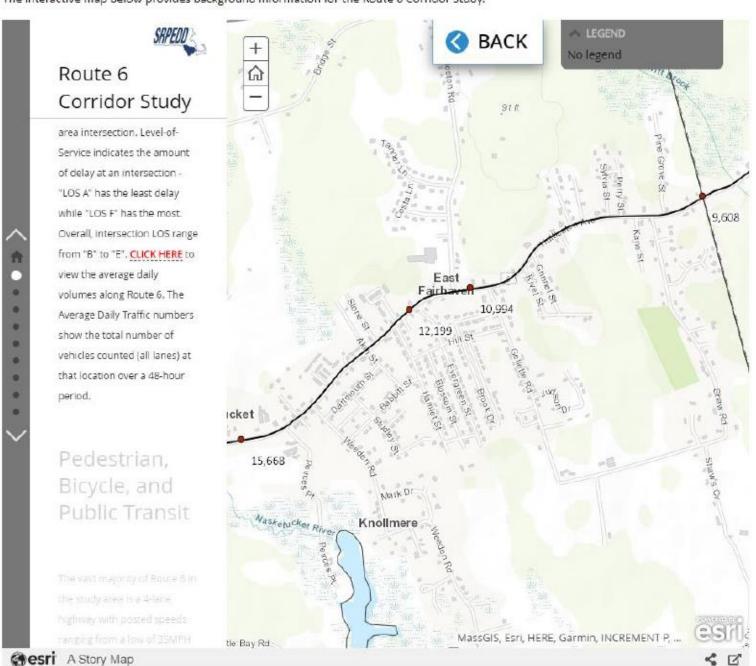
Route 6
Daily
Trip
Generation:

12,199
East of
E. FH School

10,994 at this location

Interactive Maps

The interactive map below provides background information for the Route 6 Corridor Study.

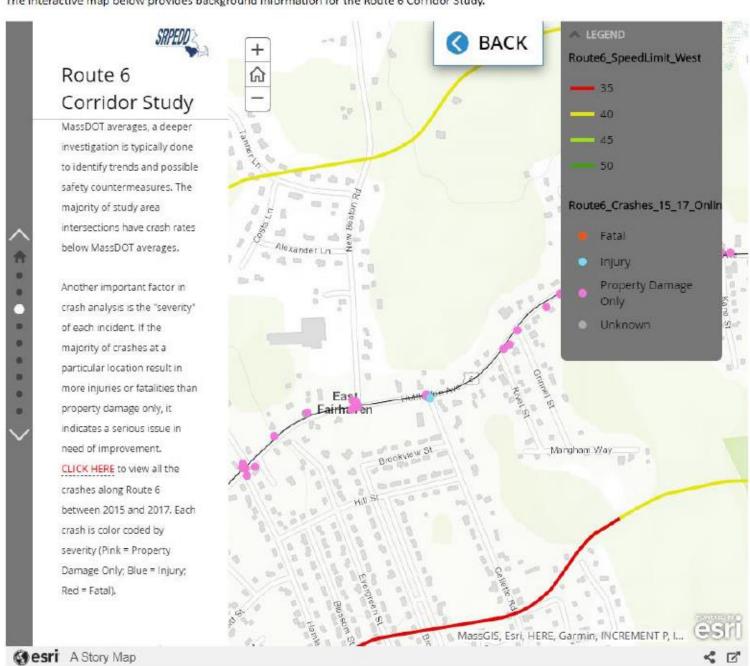


Interactive Maps

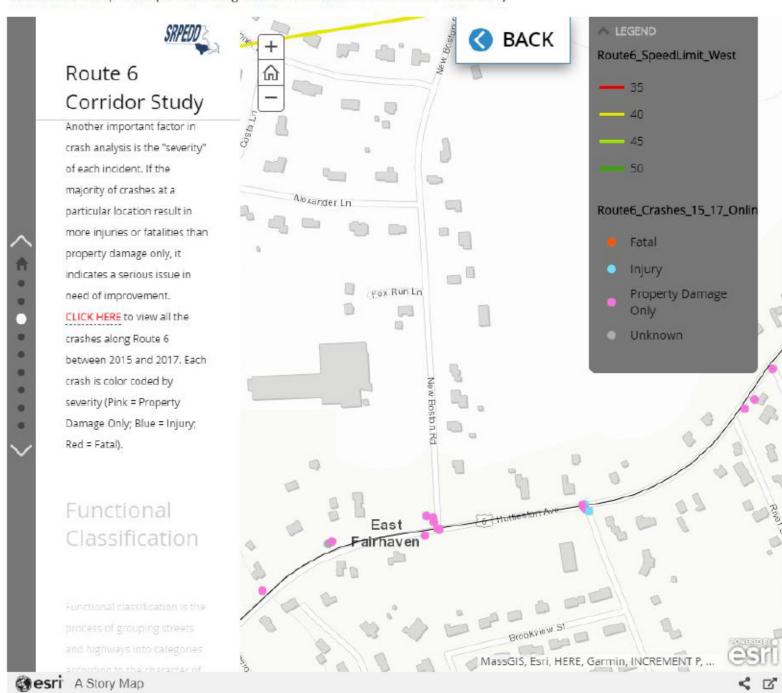
The interactive map below provides background information for the Route 6 Corridor Study.

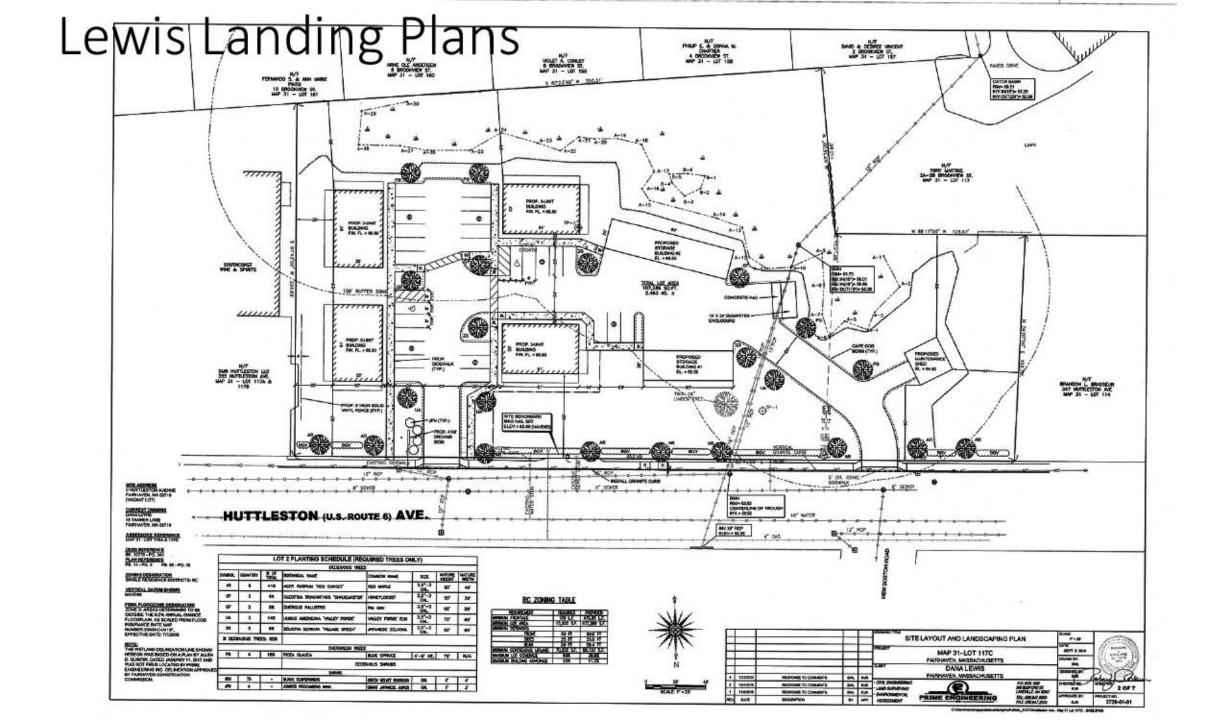
Route 6 Crash **Statistics**

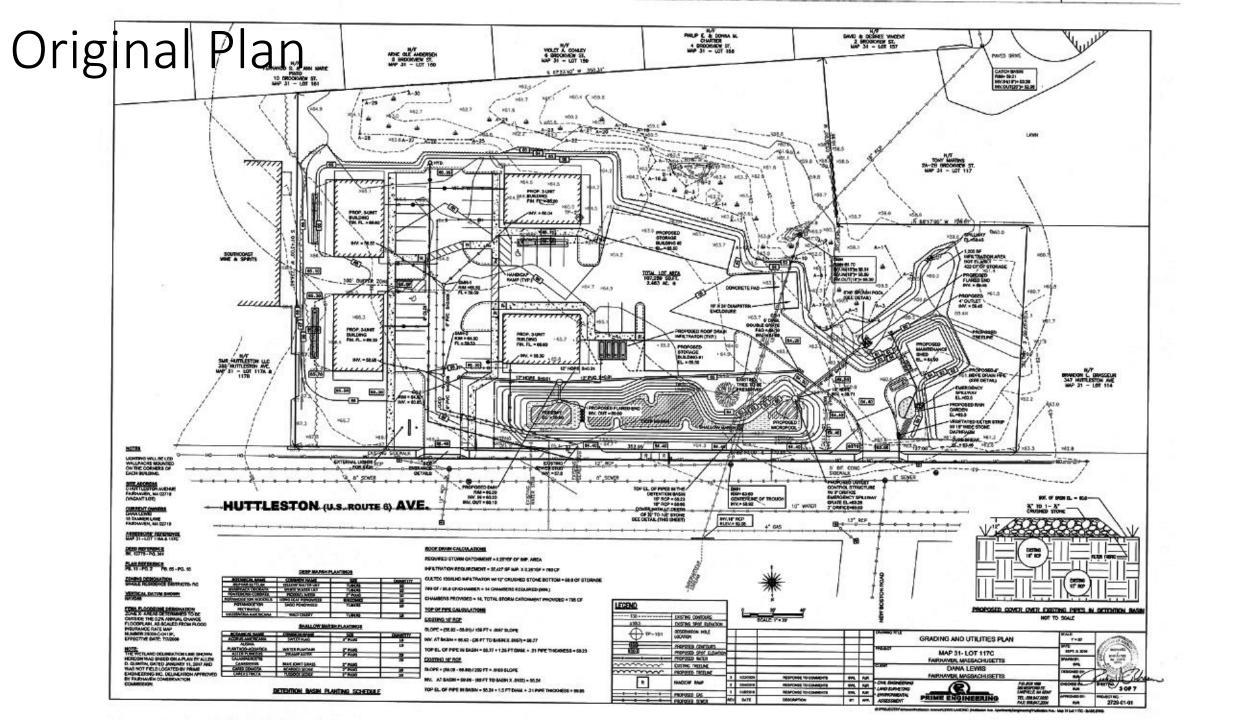
6 @ E.FH & Rt. 6 4 @ Gell. & Rt. 6 (2 injury)

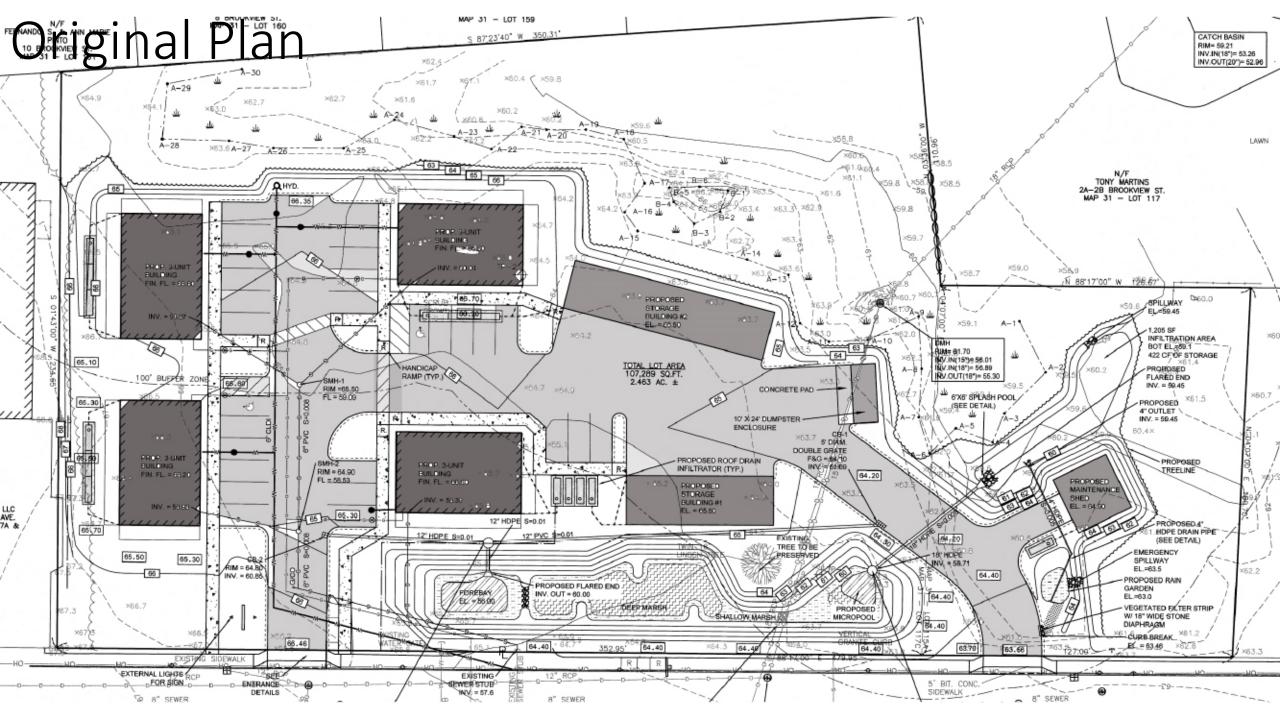


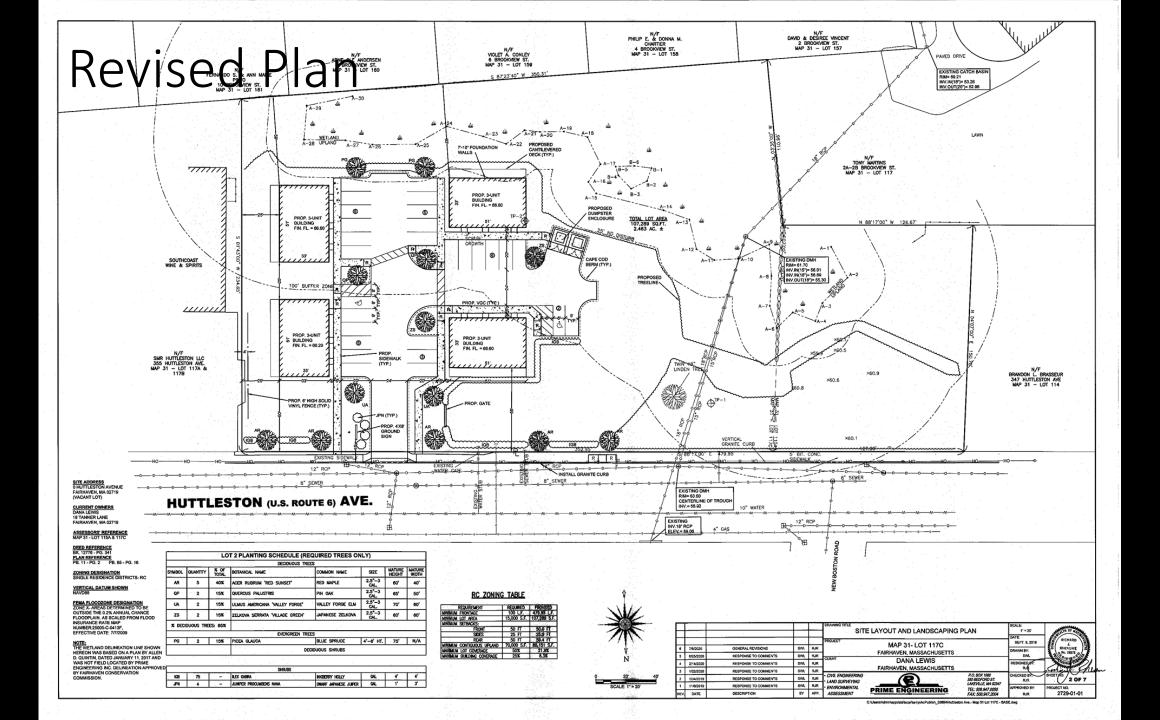
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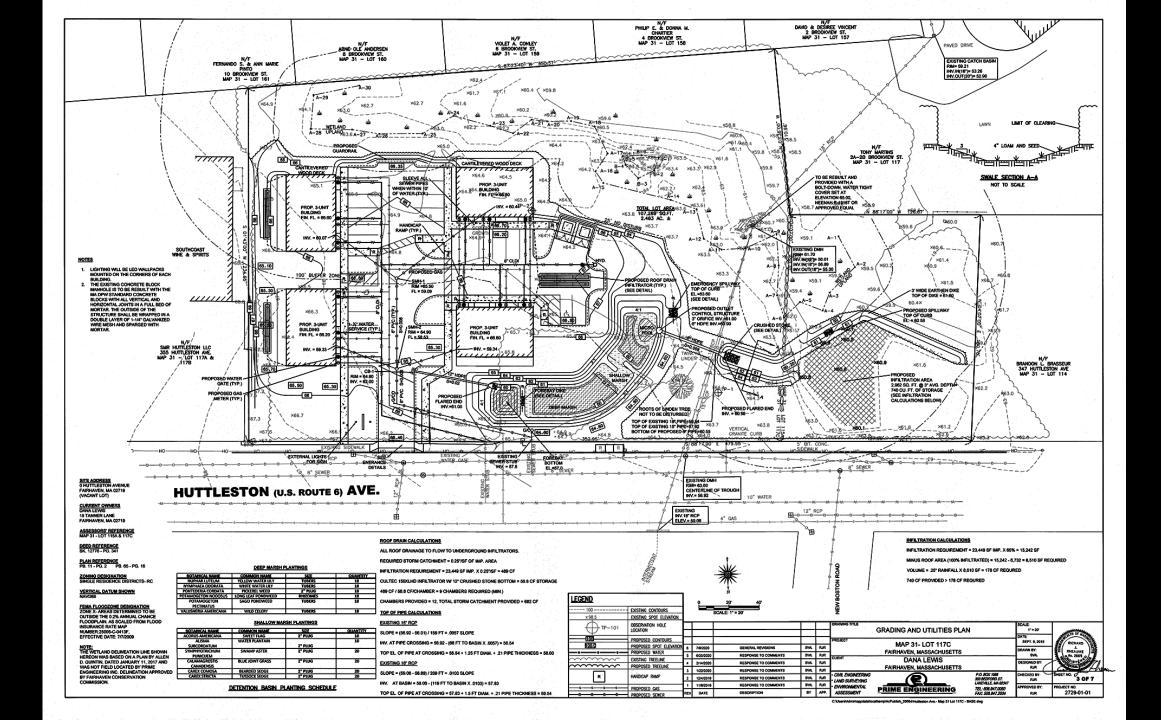






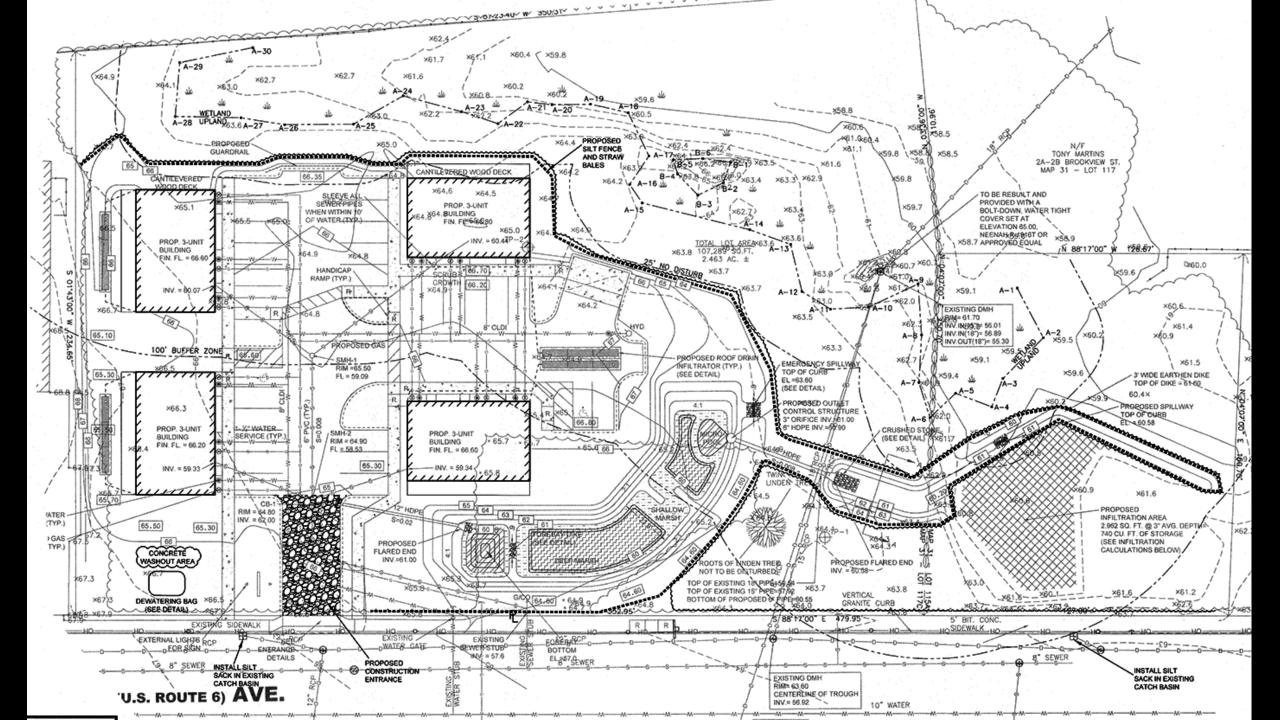


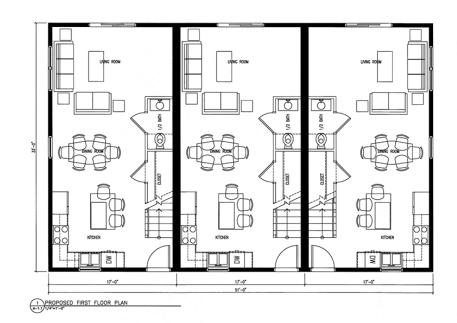


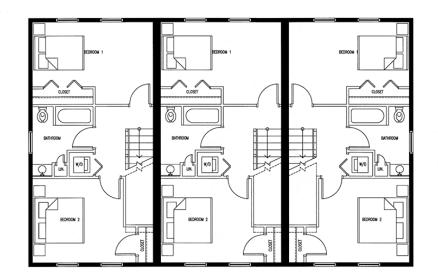


EROSION & SEDIMENT CONTROL NOTES: THE FOLLOWING IS THE MINIMUM REQUIREMENTS THE CONTRACTOR SHALL FOLLOW TO PROVENT MAPPORTS CALLED BY RESIGNA AND CORRESPONDED OPERING CONSTRUCTION. THE CONTRACTOR MAY, AT HIS DECRETION MAYELENET ADDITIONAL MESSIGNED OF SECURITY CALLED AND CONTRACTOR OF THE MESSIGNED WAS INSTALLED FROM TO STAMP REMOVAL, AND CONSTRUCTION STAMBLATION OF ALL REGERACED AND SIGN. STOCKIFLE AREAS WILL BE INITIATED AND MANTANCED OUTBROAD, IPPSSES OF CONSTRUCTION. The state of the s Ammonia. ×62.4~ . ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE CONSTRUCTED IN ACCORDANCE WITH LOCAL MUNICIPAL REGULATIONS, ALL EROSION CONTROL MEASURES ARE TO BE MAINTAINED AND UPGRADED AS REQUIRED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION. A STAKED STRAWBALE DAM SHALL BE INSTALLED DOWN GRADIENT OF ALL DRAINAGE CUTFALLS. - - A-30 ×60.4 (×59.8 ×61.1 ×61.7 A-29 ×61.6 ×62.7 ADDITIONAL CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER OR AGENTS OF THE OWNER. \ X60.8. _ _ -CATCH BASINS WILL BE PROTECTED WITH STRAW BALE FILTERS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE THOROUGHLY STABLUZZE, FILTER FABRIC SHOULD BE RISTALLED UNDER GRATE OPENING UNIT. PAVEMENT IS IN PLACE AND GROUND SURFACE IS A-21 A-20 ----x58.8 x62:2 5. SEERING MAINTURE FOR FINANCED GRASSED AREAS WALL BE AS FOLLOWS: KENTUCHY BLUE GRASS: 40% KENTUCHY BLUE GRASS: 40% KENTUCHY BLUE GRASS: 40% KENTENNAM, REPORTAGES: 41% KENTENNAM, REP PROPOSED SILT FENCE AND STRAW ×61.0c60.4 ×64.4 V59.8 \X58.8 X58.5 TONY MARTINS A-17×64 B=6.200 PB219 ×63.5 8-4 2033 65 20 4 9 x63.4 2A-2B BROOKVIEW ST. MAP 31 - LOT 117 BALES ×64.2 ×64.6 ×64.5 TO BE REBUILT AND SLEEVE A PROP. 3-UNIT 8-3 6. AMEA TO SE LETT MARE REPORT PREVIEW D'AUTONNE AUD SEEDING ID ACHIEVITE, DIALL RECOPET À TEMPORANT S'EDINGO OF PRIFINANT METODASS, AVEN DES TO A MATE DE 3 LEADING SO, ET AT A EDITHO TO 10 MOL LUMISTONI ÉCOUVALENT TO DE 60 PERCEIT CALCIUM PLUS IMMORBIAL DOCO; SIMULI, SE AVANCIUM CAS ESCENDE PROSPANIONO AT A REVITTO ET 01 EUR JOSO DE 7T. PLANTING PRODOMINATES, FERTILIZE ACCORDING TOA SOL TIERÉ AT A MANIMAIM APPLICATION RATE OF 1 LIST OF METODOMINATES, FERTILIZE ACCORDING TOA SOL TIERÉ AT A MANIMAIM APPLICATION RATE OF 1 LIST OF METODOMINATES, FERTILIZE ACCORDING TOA SOL TIERÉ AT A MANIMAIM APPLICATION RATE OF 1 LIST OF METODOMINATES, FERTILIZE ACCORDING TOA SOL TIERÉ AT A MANIMAIM APPLICATION RATE OF 1 LIST OF METODOMINATES, FERTILIZE ACCORDING TOA SOL TIERÉ AT A MANIMAIM APPLICATION RATE OF 1 LIST OF 1 L ×59.7 BOLT-DOWN, WATER TIGHT 864.BUILDING FIN. FLYESERSO WATER TYP COVER SET AT ELEVATION 65.00. NEENAHBIRITOR X58.7 APPROYED EQUAL INV. = 60.44F PROP. 3-UNIT TOTAL LOT AREA 6 ×63.8 107,289 SO.FT. 2.463 AC. ± /N 88'17'00" IN FL = 66.60 OSTURE NO. SCRUB (86.70) 0.0340 CROWTH 66.20 . AT ALL PROPOSED FILL AREAS WHICH ARE NOT CURRENTLY SHOWN ON THESE PLANS, THE CONTRACTOR SHALL ESTABLISH AN EROSON CONTROL LINE (STRAW BALE CHECK) OF PLETE AREARCH, ADOLT THE (15) FEET FRONT OF TO SLOPE OF PROPOSED FILL RASA PROOK TO BEGINNING FILL INSTALLATION, STABLIZATION OF SLOPES IN FILL AREAS (USING MULCH OR GRASS) SHALL BE BRITILED WHITEM THERTY (20) DAYS OF COMMERCIALITY OF PLL INSTALLATION. x63.7 ×40 8 ×59.1 ×60,6. _ BIM= 61.70 INV.IN(18")= 56.01 INV.IN(18")= 56.89 INV.OUT(18")= 55.30 . STABILIZATION OF SLOPES IN CUT AREAS (USING MULCH OR GRASS) AND THE INSTALLATION OF CONTROL LINE (STRAW BALE CHECK OR FILTER FABRIC) AT THE TOE OF SLOPE SHALL BE INITIATED WITHIN THATY (30) FEET. X61.4 PROPOSED GAS POOSED BOOF DE ×59.1 SEDIMENT REMOVED FROM CONTROL STRUCTURES WILL BE DISPOSED IN A MANNER WHICH IS CONSISTENT WITH THE RITENT OF THE PLAN. ALL STRAW BALES OR SILT FENCE RETAINING SEDIMENT OVER 1/2 THEIR HEIGHT SHALL HAVE THE SEDIMENT REMOVED AND ALL DAMAGED EROSION CONTROLS SHALL BE REPARKED OR REPLACED. ×61.5 (SEE DETAIL) OP OF CURE WIDE EARYHEN DIKE FL = 59.09 TOP OF DIKE = 81-60 SEE DETAIL CONTRACTOR WILL BE ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDMENT CONTROL PLAN THIS RESPONSIBILITY INCLUDED THE INSTITULATION AND MAINTENANCE REPORT OF THE PLAN AND HOPPING THE PROPERTY TOWN AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE RESPONSIBLE OF THIS RESPONSIBLE. 60.4× PROPESED OUTLE ×66.3 OPOSED SPILLWAY ONTROL STRUCTUR TOP OF CURE ORIFICE INV #61.0 > 60.58 CRUSHED STONE SMH-2 RIM = 64.90 PROP. 3-UNIT BUILDING THE CONTRACTOR SHALL SECURE THE SERVICES OF A PROFESSIONAL ENGINEER WHO SHALL VERFY IN THE FIELD THAT THE CONTROLS REQUIRED BY THIS PLAN ARE PROPERLY INSTALLED, SHALL MAKE INSPECTION OF SUCH FACILITIES NOT LESS FREQUENTLY THAN EVERY 14 DAYS OR AFTER A RAIFFALL IN EXCESS OF 14 NICH, WHOTHEVER OCCURS FIRST. FIN. FL. = 66.20 ×63.5 FL = 58.53 FIN. FL. = 66.60 INV. = 59.34 INV. = 59.33 STOCKPILES OF SOIL SHALL BE SURROUNDED BY A SEDIMENT BARRIER. SOIL STOCKPILES TO BE LEFT BARE FOR MORE THAN THIRTY (30) DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION OR MULCH. IF SOIL STOCKPILES ARE TO REMAIN FOR MORE THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED IN PLACE OF STRAW BALES. SIDE SLOPES SHALL NOT EXCEED 2.1. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL DUST AND WIND EROSION THROUGHOUTHE LIFE OF HIS CONTRACT DUST CONTROL SHALL INCLUDE, BUT IS NOT LIMITED TO SPRINKLING WHERE ON EXPOSED SOILS AND HAUL ROADS AS NEEDED, CONTRACTOR SHALL CONTROL DUST THERETY. INFILTRATION AREA (TYP.) 65.50 65.30 2.962 SQ. FT. @ 3" AVG. DEPTM 740 CU. FT. OF STORAGE GAS SEE INFILTRATION CONCRETE CALCULATIONS BELOW) . IF FINAL GRADING IS TO BE DELAYED FOR MORE THAN THIRTY (30) DAYS AFTER LAND DISTURBANCES CEASE, TEMPORARY VEGETATION OR MULCH SHALL BE USED TO STABILIZE SOILS. WASHOUT AREA NOT TO BE DISTURBED 5. STRAW BALES SHALL BE USEO ONLY AS A TEMPORARY MEASURE. WHERE CONTROL MEASURES WILL BE REQUIRED FOR LONGER THAN SIXTY (60) DAYS, FILTER FABRIC SHALL BE USED. 67.3 TOP OF EXISTING 18 PIPE-50 SE TOP OF EXISTING 15 PIPE-57 FO x63.8 16. WHERE DEWATERANG IS NECESSARY. THEME SHALL NOT BE A DISCHARGE ORDECTLY WITO WETLANDS ON WATERCOURSES PROPER METHODS AND DEWACES SHALL BE UTILIZED TO THE EXTRAIT PROVIDENCE AND PROPERTY OF THE METH AND THE OUTSET OF FUNDS. OF FLOATING THE WITH AND THE OUTSET OF FUNDS, OR FLOATING THE WITH AND THE OUTSET OF FUNDS. OR FLOATING THE WITH AND THE OUTSET OF FUNDS. OR FLOATING THE WITH AND THE OUTSET OF FUNDS. OR FLOATING THE WITH AND THE OUTSET OF FUNDS. OR FLOATING THE WITH AND THE OUTSET OF FUNDS. OR FLOATING THE WITH AND THE OUTSET OF FUNDS. OR FLOATING THE OUTSET OF FUNDS. OR FUNDS AND THE OUTSET OF FUNDS THE OUTSET OF FUNDS THE OUTSET OF FUNDS. THE OUTSET OF FUNDS THE OUTSET OF FUNDS. THE OUTSET OF FUNDS THE OUTSET OUTSET OF FUNDS. THE OUTSET OUTSET OUTSET OUTSET OUTSET OUTSET. ×61.2 VERTICAL _x61.6-GRANITE CURB ×62.6 88 12 00 E 479.95 BOTTOM FOR SIGN NV = 57.6 EL857 SEWER 8" SEWER INSTALL SILT SACK IN EXISTING THE CONTRACTOR SHALL OBTAIN AN INPOES PERMIT PRIOR TO THE START OF CONSTRUCTION EXISTING DMH RIM= 63.60 CATCH BASIN U.S. ROUTE 6) AVE. CENTERLINE OF TROUGH HOSE OVER COMPOST LOGS DISCHARGE HOSE INV.= 56.92 EXISTING INV.18" RCP ELEV, = 59.06 3' WIDE GEOFAB SILT FENCE FABRIC OR -COMPOST SOCK APPROVED EQUAL FLOW -1" x 1" x 3' PINE STAKE -SILT FENCE STRAWBALES PLACED ALONG DOWN -STRAWBALE _1" x 1" x 3" PINE STAKE -1" x 1" x 3' BEANPOLE STAKE SURROUND BAG WITH COMPOST WATTLE AND SILT FENCE PROP. GRADE WETLANDS TO BE USED IF DISCHARGE IS CLOSER THAN 100' TO WETLANDS PROP. GRADE FLOW == -NEW PIG DEWATERING BAG™ BOAD STABILIZATION FILTER--EMBED STRAW BALE MIN. OF 4" 10'x15' BAG SILT FENCE DETAIL AT FLAT SLOPES COMPOST SOCK, STRAWBALE, AND SILT FENCE AT TOE OF STEEP SLOPES 1:6 OR MORE NOT TO SCALE PLACE BAG ON BED OF STRAY CONSTRUCTION ENTRANCE NOT TO SCALE NOT TO SCALE NOT TO SCALE **EROSION CONTROL PLAN** 1" = 20" SIDE VIEW STRAW UNDERLAY SEPT. 9, 2019 MAP 31- LOT 117C DEWATERING DETAIL 7/8/2020 GENERAL REVISION FAIRHAVEN, MASSACHUSETTS NOT TO SCALE SWL RJE 5 6/25/2020 DANA LEWIS 10'X15' DEWATERING BAG 4 2/14/2020 RESPONSE TO COMMENTS SWL RJR FAIRHAVEN, MASSACHUSETTS (150 CF) WITH 180 MICRON SWL RJR 1/22/2020 RESPONSE TO COMMENTS P.O. BOX 1088 350 BEDFORD ST. LAKEVILLE, MA 0234 FILTERED WATER 12/4/2019 RESPONSE TO COMMENTS 9M 919 Æ) € 4 OF 7 OR APPROVED EQUAL SURROUND BAG WITH COMPOST RJR 11/8/2019 RESPONSE TO COMMENTS SWL RJR WATTLES AND SILT FENCE PLAN VIEW PRIME ENGINEERING TEL: 508.947.0050 FAX: 508.947.2004 DATE DESCRIPTION BY APP. 2729-01-01

Ave - Man 31 Lot 117C - BASE dwg



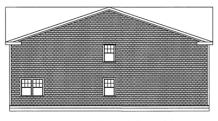




PROPOSED SECOND FLOOR PLAN





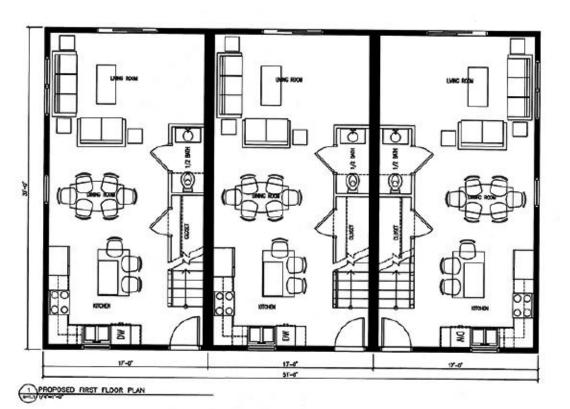


PROPOSED SIDE ELEVATION

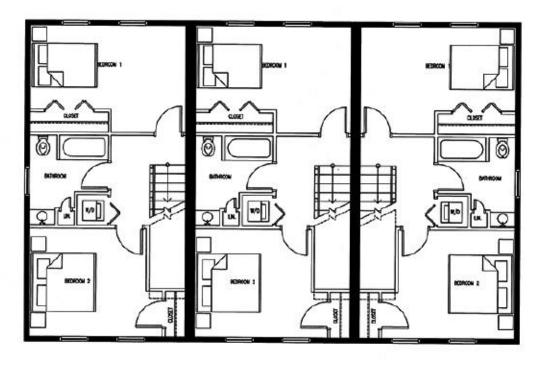
Е					DRAWING TITLE	ARCHITECTURALS		SCALE: 1" = 20" DATE:	
F				,,	PROJECT	MAP 31- LOT 117C FAIRHAVEN, MASSACHUSETTS		SEPT. 9, 2019 DRAWN BY: SWL	RICHARD BY
F					CUENT	DANA LEWIS FAIRHAVEN, MASSACHUSETTS		DESIGNED BY	and offer
E					CIVIL ENGINEERING LAND SURVEYING	(2)	P.O. BOX 1088 350 BEDFORD ST. LAKEVILLE MA 02347	CHECKED BY RJR	7 OF 7
REV	DATE	DESCRIPTION	6Y	APP.	ENVIRONMENTAL ASSESSMENT	PRIME ENGINEERING		APPROVED BY: RJR	PROJECT NO. 2729-01-01

C Wsers/Admin'appdata/loca/templAcPublish_20064/Huttleston Ave.- Map 31 Lot 117C - BASE deg

1st Floor Plan



2nd Floor Plan



PROPOSED SECOND FLOOR PLAN



PROPOSED FRONT ELEVATION



1 PROPOSED REAR ELEVATION

