# SITE RE-DEVELOPMENT PLANS

### SCHEDULE OF PLAN SET DRAWINGS:

**COVER SHEET** SHEET 1

**ABBREVIATIONS** 

CLDI

CONC

ocs

PROP

PSI

TOF

CAPE COD BERM

CONCRETE

DIAMETER

ELEVATION

**EXISTING** 

FEET

DUCTILE IRON

EDGE OF PAVEMENT

FINISHED GRADE

FORCE MAIN

GARAGE FLOOR

NOW OR FORMERLY

POLYVINYL CHLORIDE

TOP OF FOUNDATION

OUTLET CONTROL STRUCTURE

POUNDS PER SQUARE INCH

HORIZONTAL INNER DIAMETER

INVERT LINEAR FEET MAXIMUM

ON CENTER

PROPOSED

RAIN GARDEN SEWER/SLOPE SQUARE FEET SEWER MANHOLE

**RADIUS** 

TEST PIT **TYPICAL** VERTICAL WATER SERVICE

CONCRETE LINED DUCTILE IRON

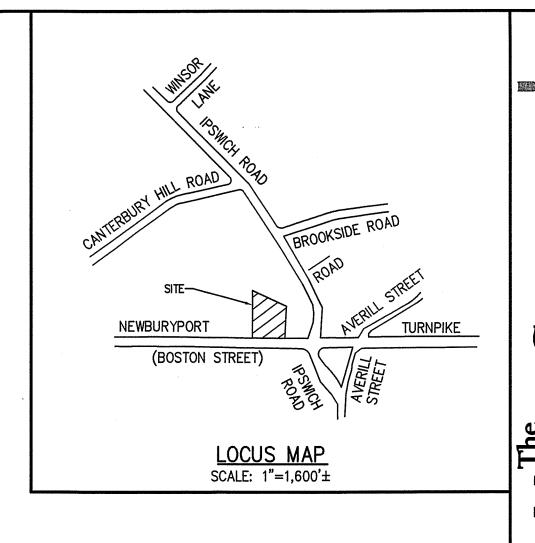
**EXISTING CONDITIONS** SITE LAYOUT PLAN

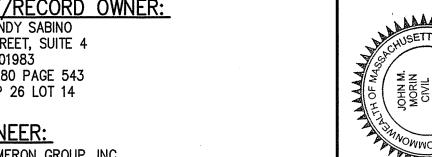
GRADING, UTILITY & DRAINAGE PLAN

CONSTRUCTION DETAILS CONSTRUCTION DETAILS

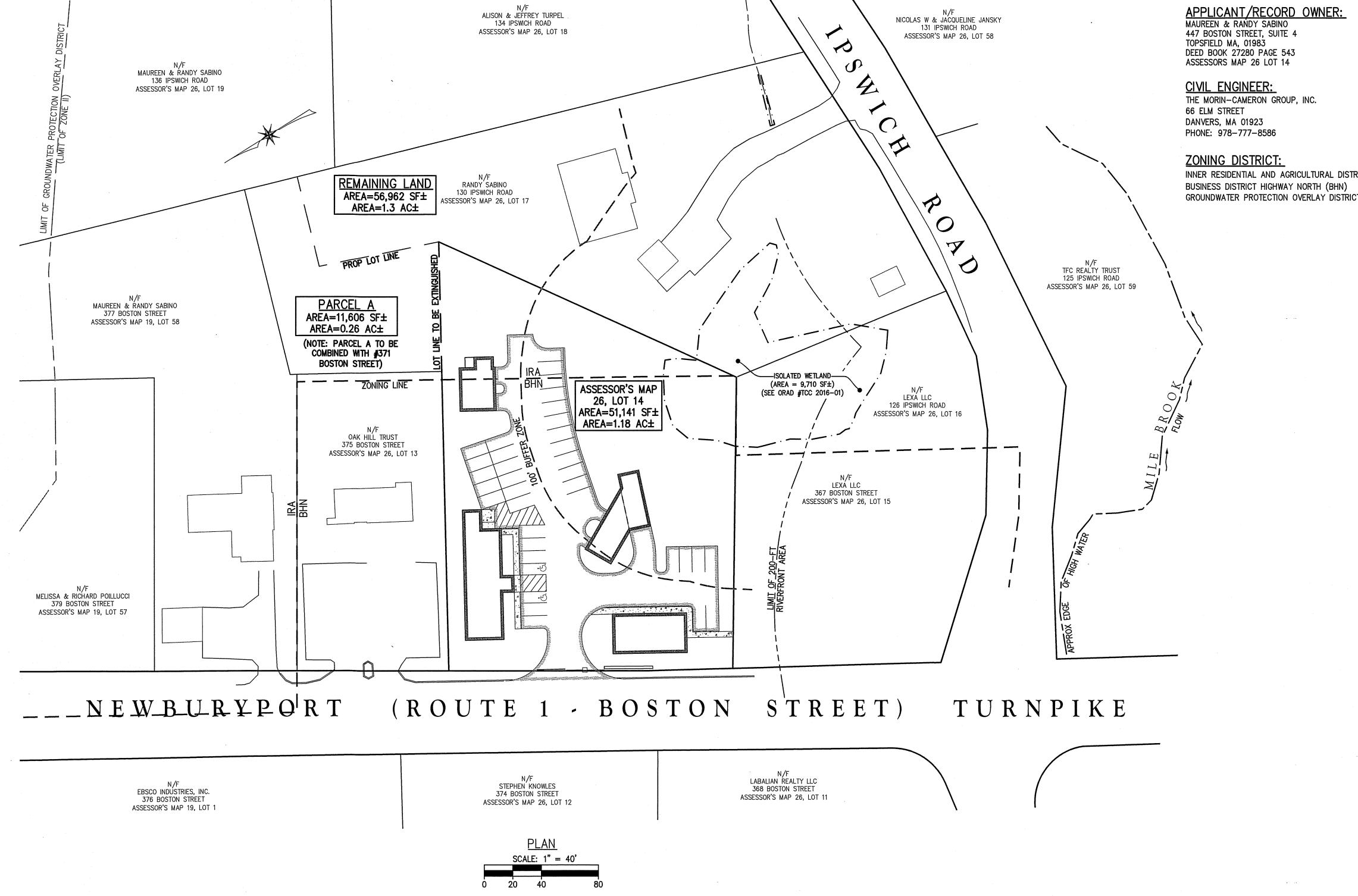
## 371 BOSTON STREET TOPSFIELD, MASSACHUSETTS

(ASSESSOR'S MAP 26, LOT 14)



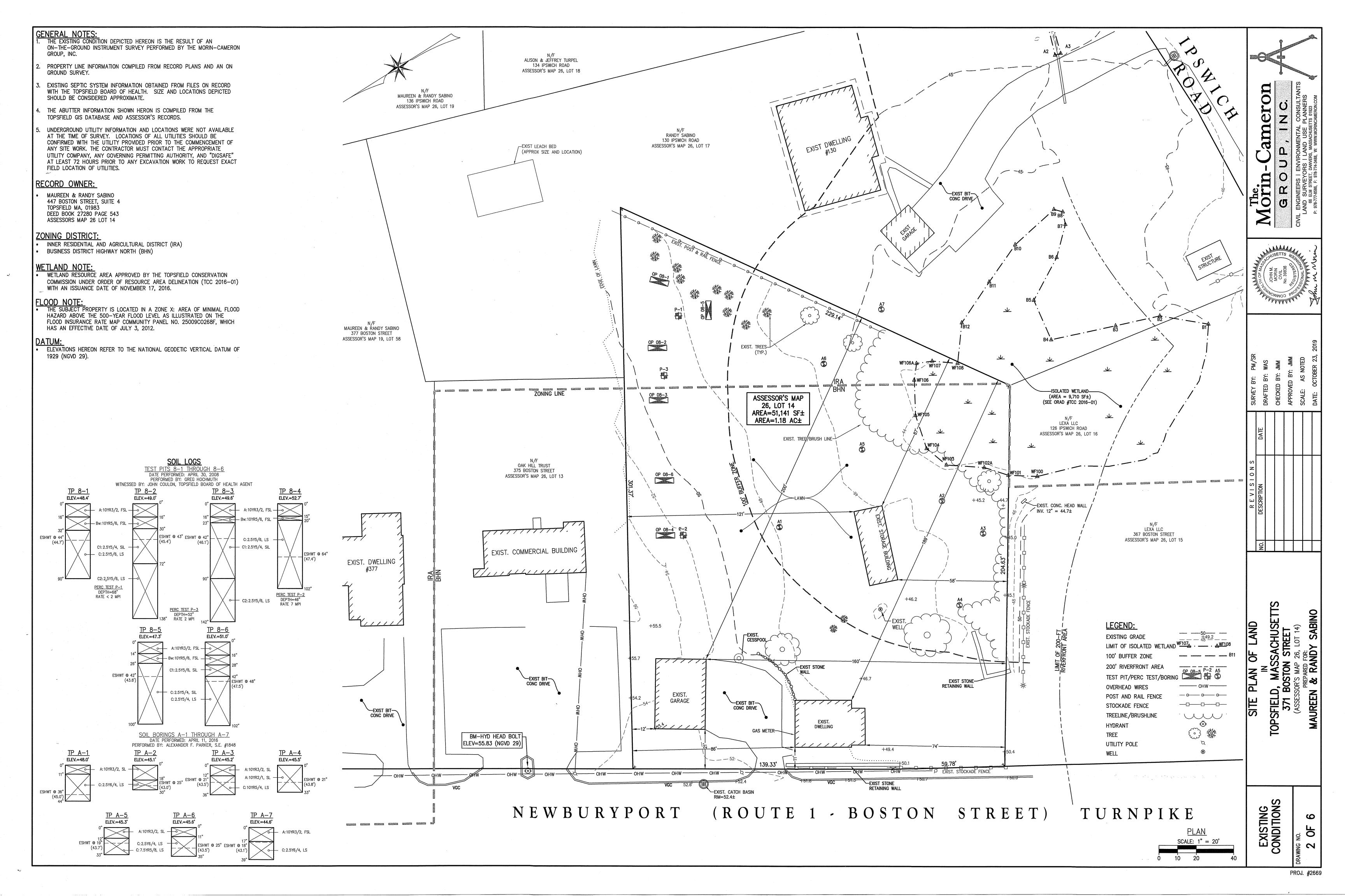


INNER RESIDENTIAL AND AGRICULTURAL DISTRICT (IRA)



### **GENERAL NOTE:**

THESE PLANS ARE PREPARED FOR OUR CLIENTS USE ONLY FOR THE SPECIFIC PURPOSE OF OBTAINING PERMITS AND LOCAL APPROVALS, AND ARE NOT TO BI USED OR RELIED UPON AS A CONSTRUCTION DOCUMENT OR ANY OTHER USE BY OTHERS WITHOUT THE WRITTEN CONSENT OF THE MORIN-CAMERON GROUP, INC.

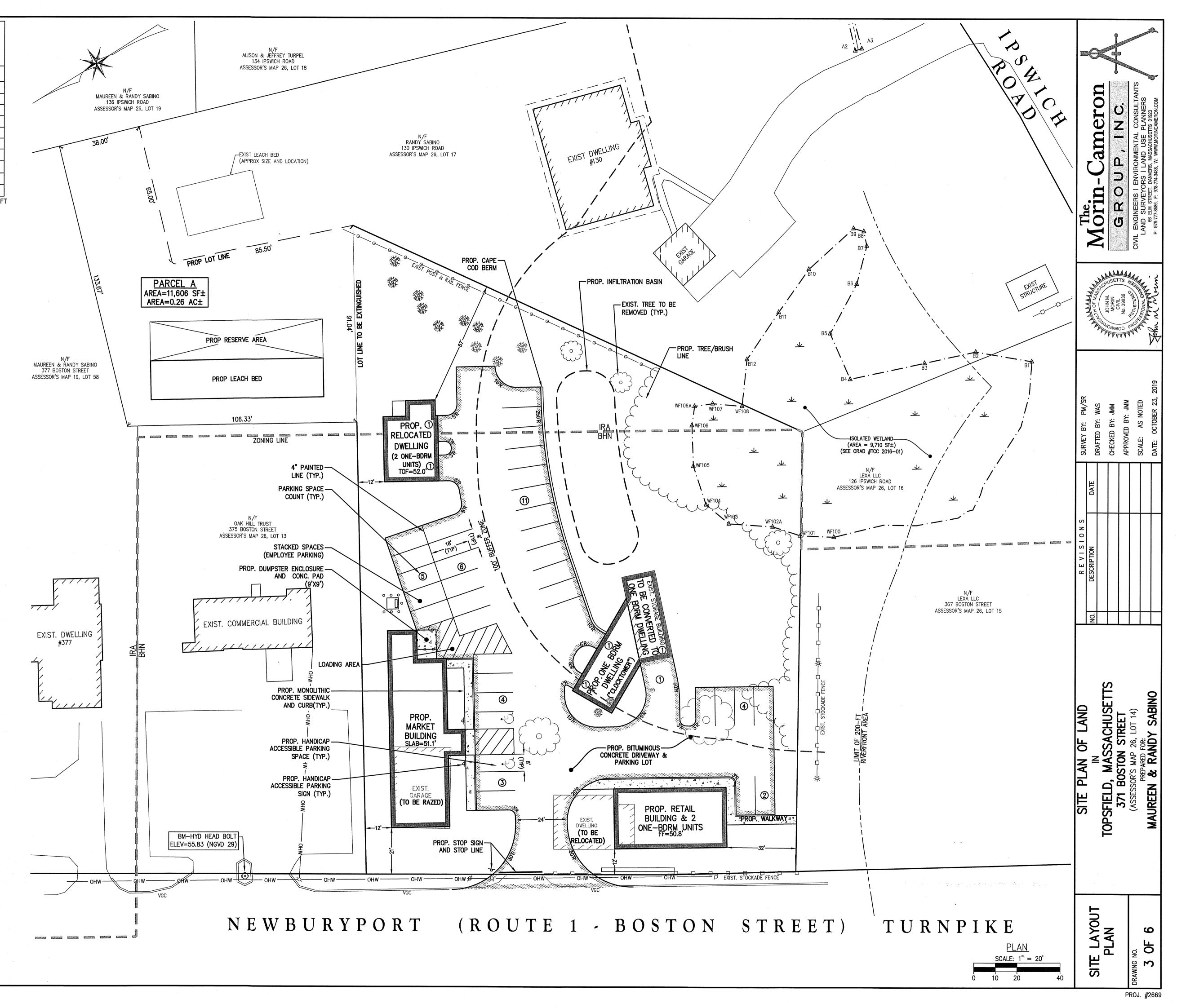


## ZONING DISTRICT: INNER RESIDENTIAL AND AGRICULTURAL DISTRICT (IRA) BUSINESS DISTRICT HIGHWAY NORTH (BHN)

|                 | REQUIRED (IRA)  | REQUIRED (BHN)       | EXISTING       | PROPOSED       |
|-----------------|-----------------|----------------------|----------------|----------------|
| LOT AREA        | 40,000 SF (MIN) | 20,000 SF (MIN)      | 51,141 SF±     | 62,747 SF±     |
| FRONTAGE        | 150 FT          | 100 FT               | 199.1'±        | NO CHANGE      |
| LOT DEPTH       | 150 FT          | 100 FT               | 252 <b>'</b> ± | NO CHANGE      |
| FRONT SETBACK   | 20 FT           | 40 FT                | 11'            | NO CHANGE      |
| SIDE SETBACK    | 15 FT           | *30 FT               | 12'            | NO CHANGE      |
| REAR SETBACK    | 40 FT           | *30 FT               | 189'           | 57'            |
| BUILDING HEIGHT | 35 FT           | . 35 FT              | 24 <b>'</b> ±  | <35 FT         |
| STORIES         | 2½ MAX          | 2 <mark>1</mark> MAX | 2              | 2 <del>1</del> |
| BUILDING AREA   | 25% MAX         | 40% MAX              | 5.0%           | 9.9%           |
| OPEN SPACE      | 50% MIN         | 30% MIN              | 91.1%          | 64.4%          |
|                 |                 |                      |                |                |

\*EXCEPT WHERE ADJACENT TO RESIDENTIAL USE OR DISTRICT IN WHICH CASE THE YARD WILL INCREASE TO 50 FT

| PARKING REQUIREMENTS      |   |  |  |  |  |
|---------------------------|---|--|--|--|--|
| <u>USE</u>                | <u>REQUIRED</u>   | <u>PROVIDED</u>  |  |  |  |
| RESIDENTIAL DWELLING UNIT | FEWER THAN 2 BEDROOMS: 1 PER UNIT 2 OR MORE BEDROOMS: 2 PER UNIT =  (6) 1-BDRM UNITS: 6 X 1 =  6 SPACES REQUIRED  | 5 GARAGE SPACES, 3 OUTSIDE   |  |  |  |
| RETAIL SALES & SERVICE    | 1 SPACE PER 250 SF GROSS FLOOR AREA EXCLUSIVE OF STORAGE AREA BUT NO FEWER THAN 3 SPACES PER SEPARATE ENTERPRISE  MARKET: 2,398 SF X $\left(\frac{1}{250}\right)$ SF) = 9.6  10 SPACES REQUIRED  RETAIL: 1,456 SF X $\left(\frac{1}{250}\right)$ SF) = 5.9  6 SPACES REQUIRED | 33 SPACES (INCLUDING 2 HANDICAP<br>ACCESSIBLE SPOTS AND 5 STACKED<br>SPACES) |  |  |  |
| TOTAL                     | 22 SPACES REQUIRED  | 41 SPACES PROVIDED   |  |  |  |



### GENERAL UTILITY NOTES: 1. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR ELEVATION OF EXISTING UTILITIES AND STRUCTURES AS SHOWN ON THESE PLANS IS BASÉD ON RECORDS OF VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION IS NOT TO BE RELIED UPON AS BEING EXACT OR COMPLETE. THE LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY, ANY GOVERNING PERMITTING AUTHORITY, AND "DIGSAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES AND THE ENGINEER SHALL BE NOTIFIED IN WRITING OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION AND APPROPRIATE REMEDIAL ACTION SHALL BE TAKEN BEFORE PROCEEDING WITH THE WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLAN.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCHMARKS NECESSARY FOR THE WORK.
- DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A RECORD OF ALL BURIED UTILITIES. THE "AS-BUILT" RECORDS SHALL BE PROVIDED TO THE DESIGN ENGINEER AT THE COMPLETION OF THE PROJECT.

### **DEMOLITION NOTES:**

- ALL MATERIALS REMOVED FROM THE PREMISES SHALL BE DONE SO IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS FOR HAULING AND DISPOSAL.
- COORDINATE ANY UTILITY DISCONNECTIONS WITH APPROPRIATE SERVICE PROVIDERS.
- ALL TREES TO REMAIN SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES. AVOID HEAVY MACHINERY WITHIN ROOT BALL AREAS.

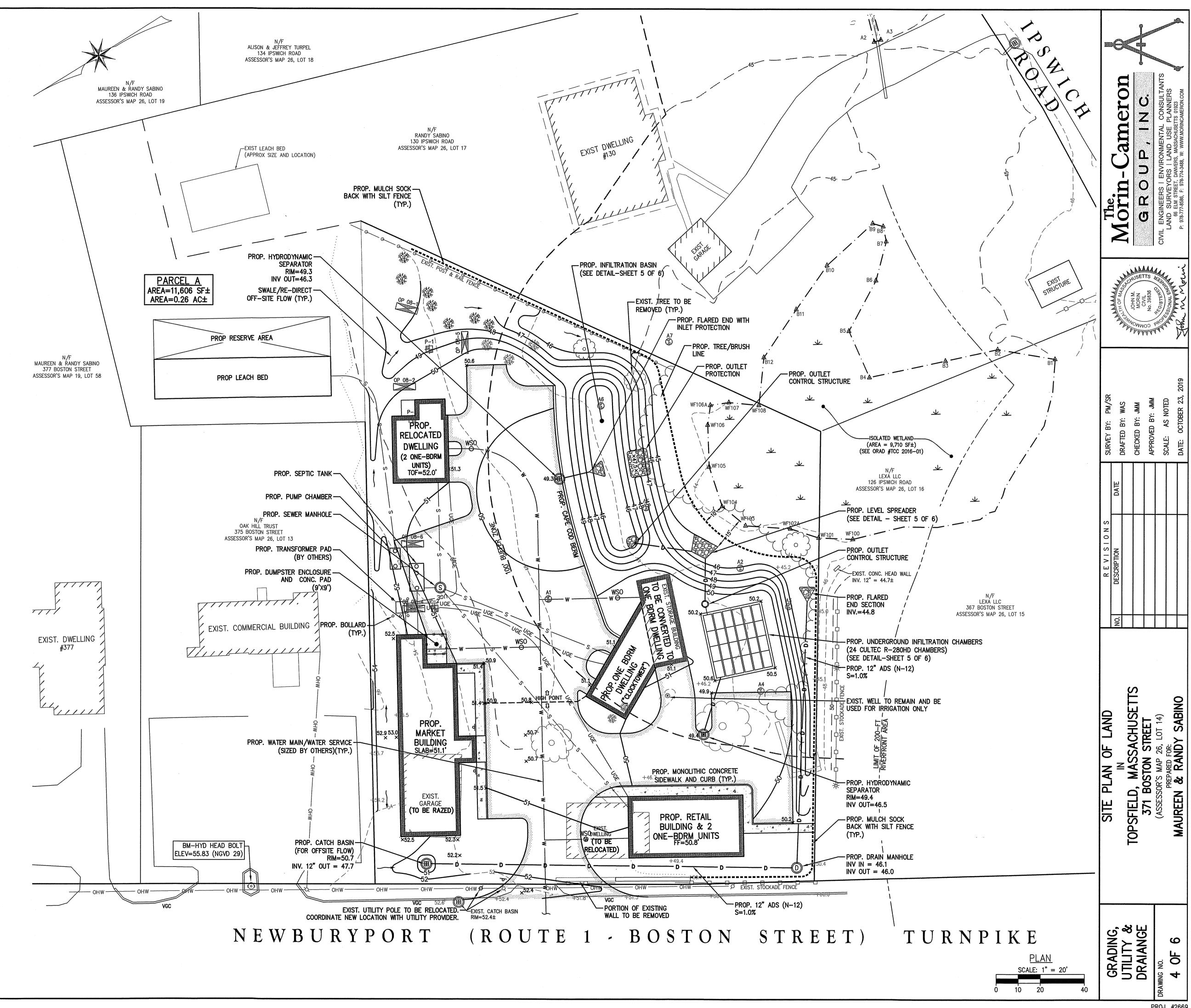
- WATER AND SEWER NOTES:

  1. THE ONSITE SEWAGE DISPOSAL SYSTEM DESIGN SHALL BE APPROVED BY THE TOPSFIELD BOARD OF
- A MINIMUM OF 10 FEET CLEAR HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN SANITARY SEWER PIPES AND WATER PIPES UNLESS CONDITIONS PREVENT A LATERAL SEPARATION OF LESS THAN 10 FEET. WHERE SANITARY SEWERS CROSS WATER SERVICES OR A MINIMUM OF 10 FEET LATERAL SEPARATION CANNOT BE ACHIEVED THE WATER PIPE SHALL BE SLEEVED IN PVC FOR A MINIMUM DISTANCE OF 10 FEET FROM THE CROSSING POINT OF THE SEWER PIPE AND SEALED AT EACH END.
- ALL GRAVITY SEWER PIPE SHALL BE POLYVINYL CHLORIDE (PVC) SCH40 UNLESS OTHERWISE NOTED.
- WATER SERVICE CONNECTIONS SHALL HAVE A MINIMUM 5' OF COVER TO PREVENT FREEZING. THE TOPSFIELD WATER DEPARTMENT SHALL BE NOTIFIED PRIOR TO WATER SERVICE INSTALLATION.

### STORM DRAIN NOTES:

BACKFILL SHALL BE COMPACTED TO 95% MAXIMUM DRY DENSITY BY AASHTO T-180D METHOD.

- SHEETING, IF USED, SHALL BE REMOVED PRIOR TO BACKFILLING TRENCH.
- UNSUITABLE SOIL BELOW THE INVERT SHALL BE REMOVED AND REPLACED WITH APPROVED MATERIAL AND SHALL NOT BE USED AS BACKFILL.
- UNSUITABLE MATERIALS SHALL BE REMOVED FROM BENEATH THE INFILTRATION BASIN AND CHAMBER SYSTEM AND REPLACED WITH CLEAN, GRANULAR FILL MEETING THE ASTM C33 SPECIFICATIONS (CONCRETE SAND).



LEGEND:

DRAIN MANHOLE

