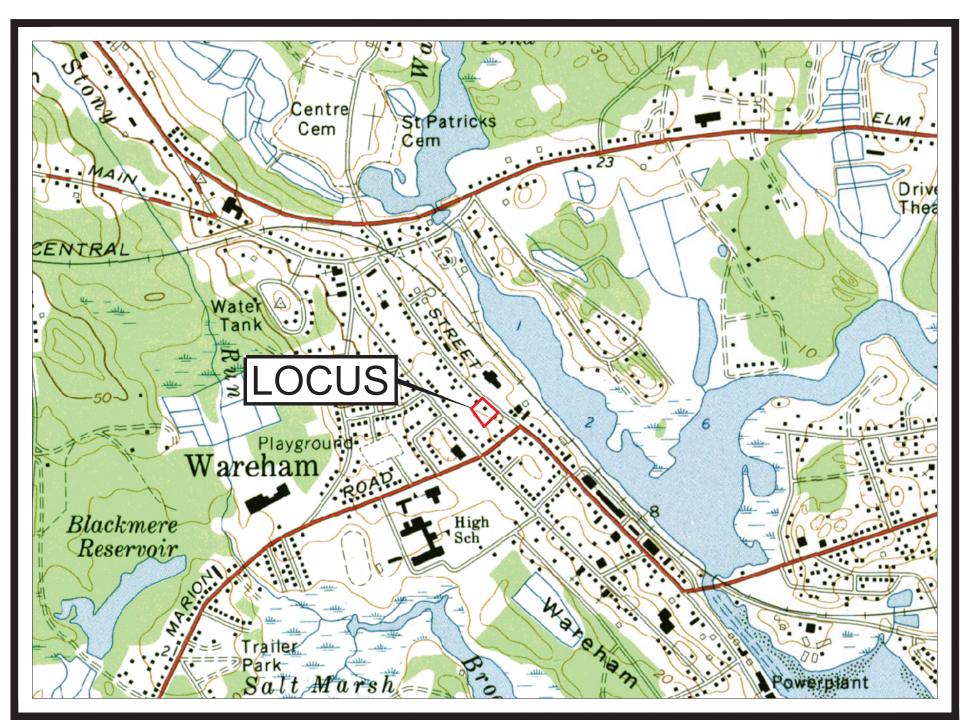
PROPOSED SITE PLAN

386 MAIN STREET WAREHAM, MASSACHUSETTS

DATE: MARCH 21, 2023 **REV 3: AUGUST 7, 2023**

SHEET NO. TITLE 1 OF 8 **COVER SHEET** 2 OF 8 **EXISTING CONDITIONS PLAN** 3 OF 8 LAYOUT & LANDSCAPING PLAN **UTILITIES PLAN** 4 OF 8 5 OF 8 **GRADING & DRAINAGE PLAN EMERGENCY ACCESS PLAN** 6 OF 8 7 OF 8 DETAIL SHEET 8 OF 8 **DETAIL SHEET**

LIST OF DRAWINGS



LEGEND

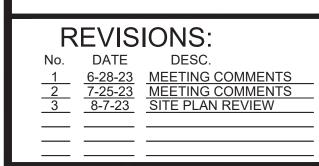
27x5 PROPOSED CATCH BASIN **—**X**—**X**—**X PROPOSED FENCE -X-X-X-**EXISTING FENCE**

> JOHN L. CHURCHILL JR., P.E. DATE PROPOSED SITE PLAN

386 MAIN STREET **WAREHAM**

COVER SHEET

MASSACHUSETTS
(PLYMOUTH COUNTY)



PREPARED FOR: ANGELA MCKEOWN 484 LIBERTY STREET ROCKLAND, MA 02370

PREPARED BY:

JC ENGINEERING, INC 2854 CRANBERRY HIGHWAY EAST WAREHAM, MA 02538 508-273-0377

DATE: MARCH 21, 2023
FIELD: BM/JF
CALC./DESIGN: SJI
DRAWN: SJI
CHECK: JLC
JOB NO: 6028
SHEET 1 OF 8



AERIAL MAP SCALE 1" = 500'

CIVIL ENGINEER / SURVEYOR: JC ENGINEERING, INC. 2854 CRANBERRY HIGHWAY EAST WAREHAM, MA 02538 PH: 508-273-0377

CURRENT OWNER / APPLICANT:

ANGELA MCKEOWN, TRUSTEE

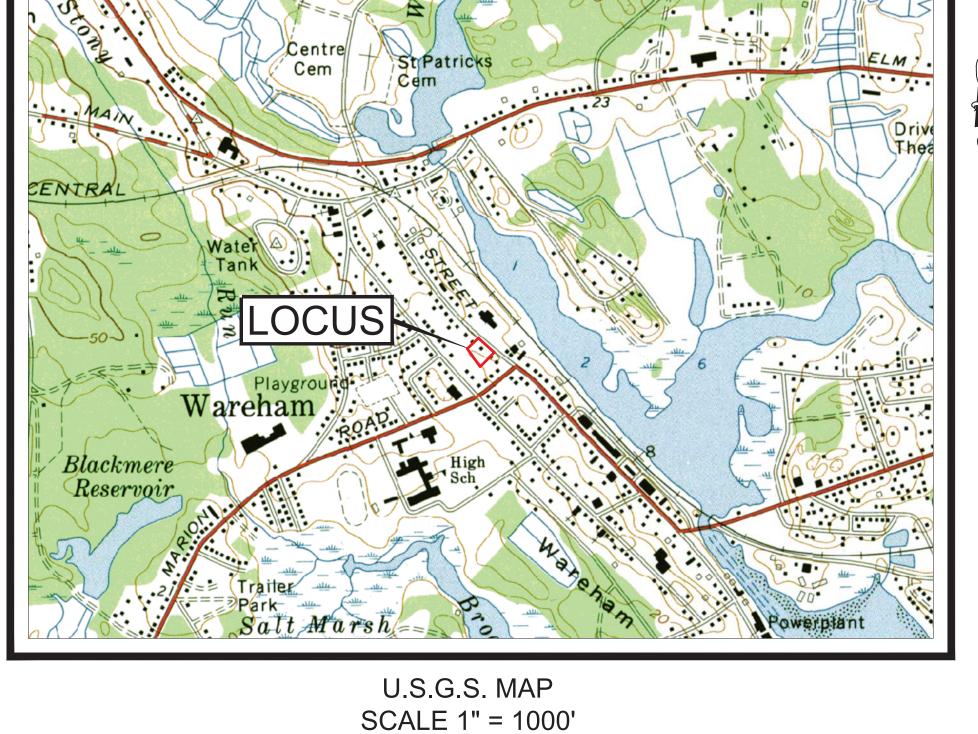
484 LIBERTY STREET

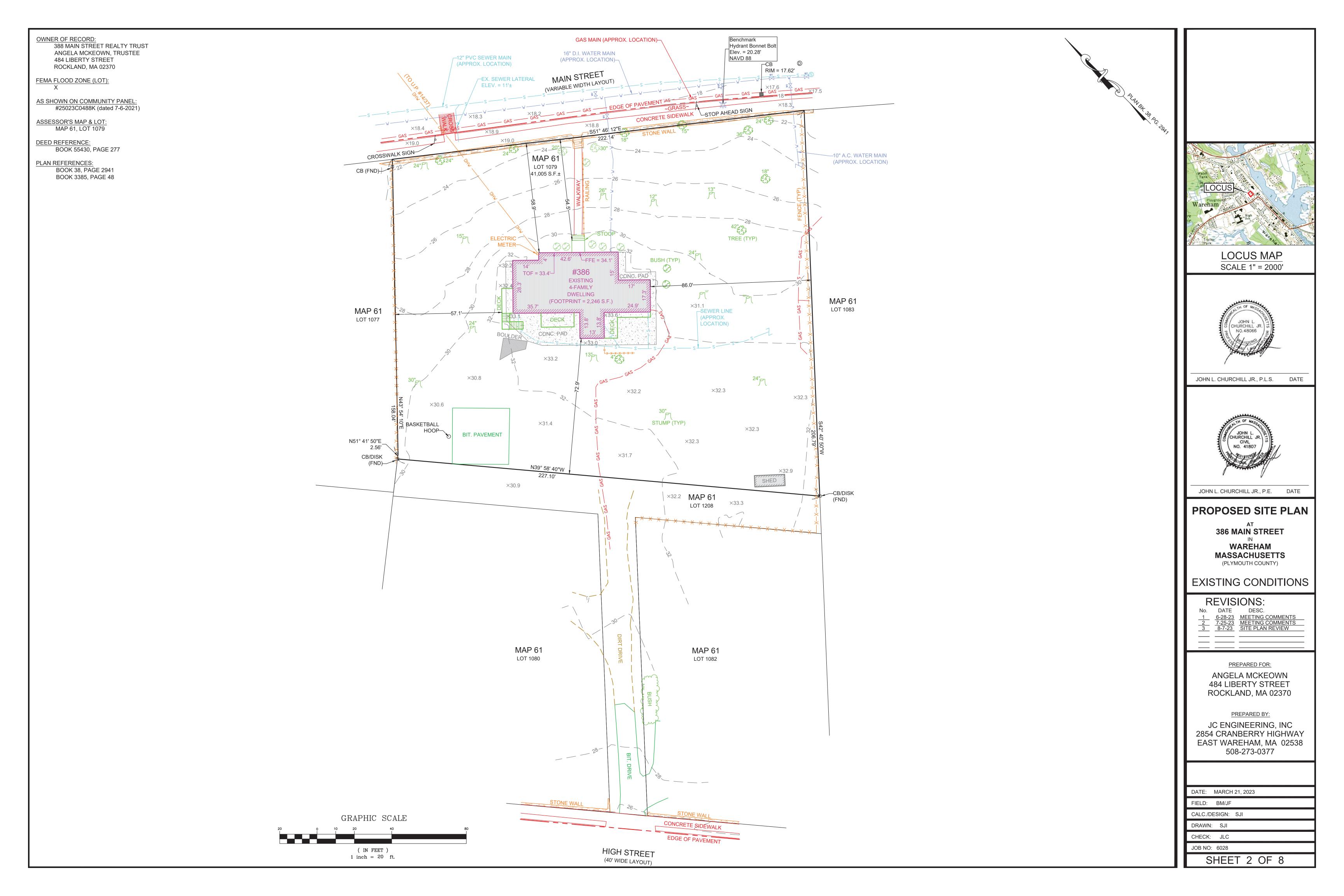
ROCKLAND, MA 02370

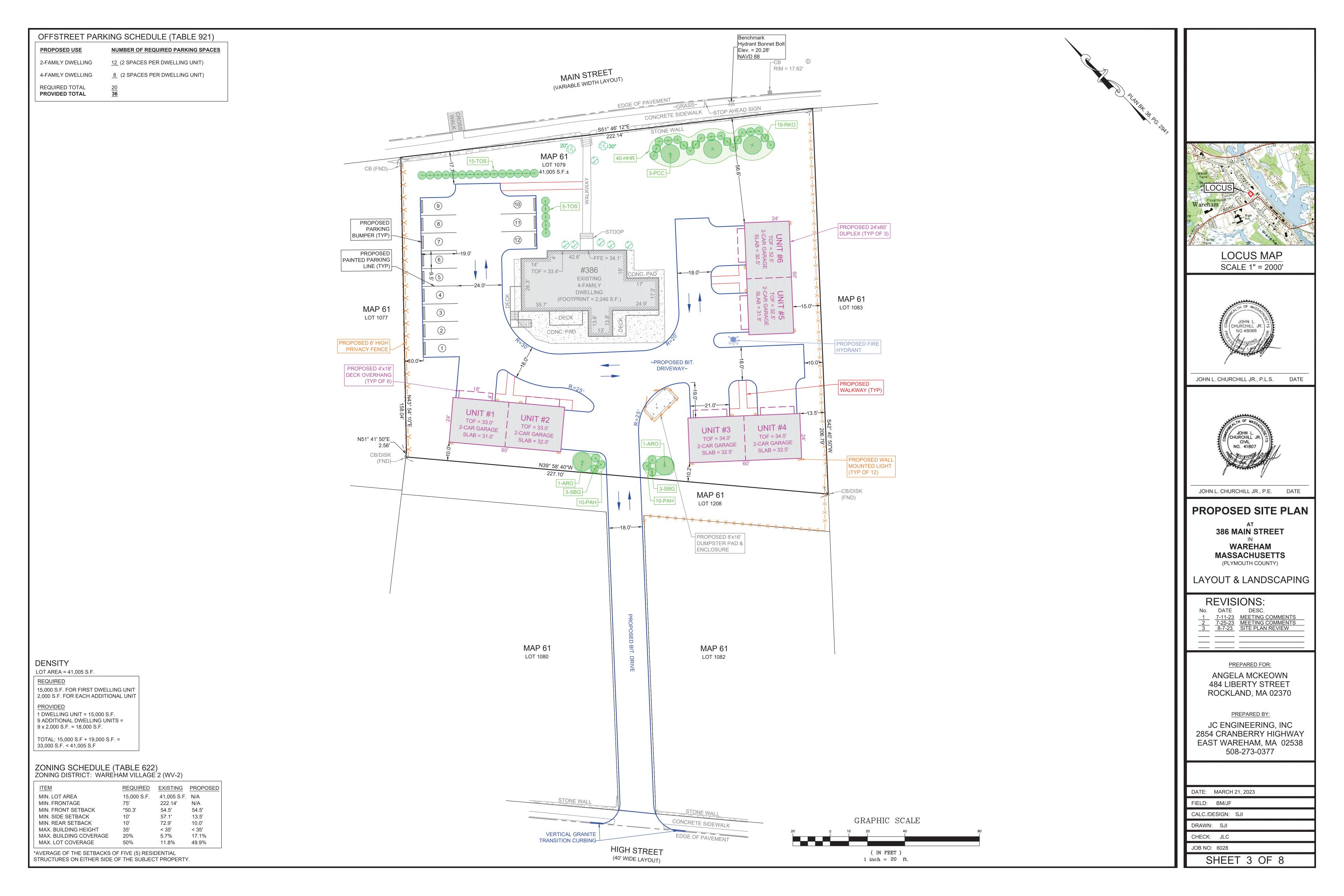
388 MAIN STREET REALTY TRUST

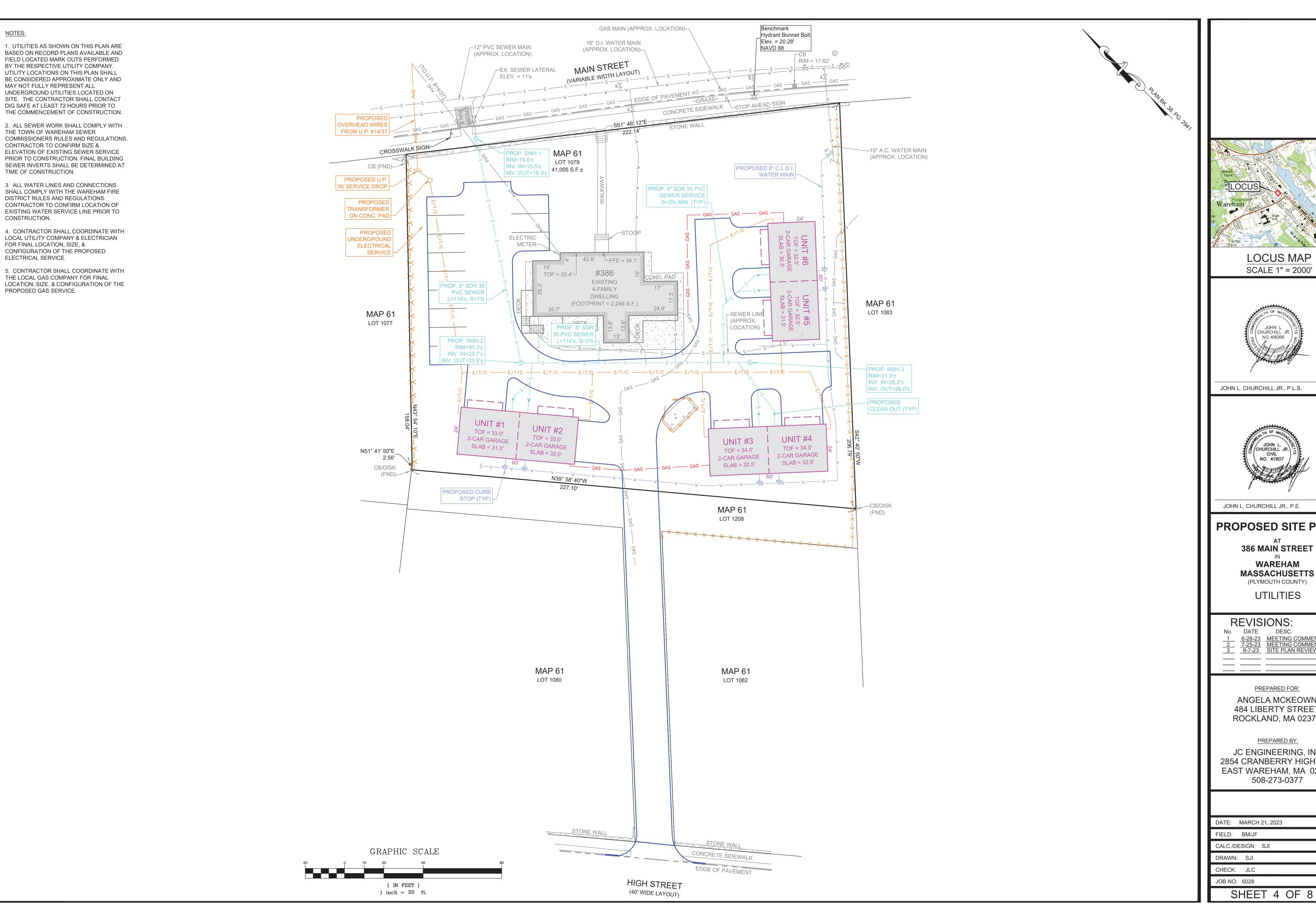
ASSESSORS MAP NTS

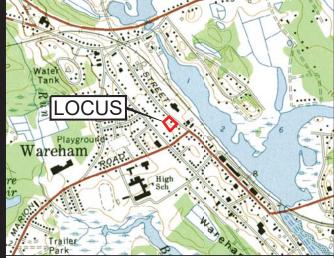
LOCUS



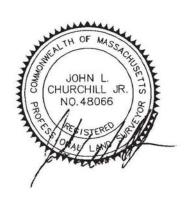








LOCUS MAP SCALE 1" = 2000'



JOHN L. CHURCHILL JR., P.L.S.



JOHN L. CHURCHILL JR., P.E. DATE

PROPOSED SITE PLAN

386 MAIN STREET WAREHAM **MASSACHUSETTS** (PLYMOUTH COUNTY)

UTILITIES



PREPARED FOR: ANGELA MCKEOWN

484 LIBERTY STREET ROCKLAND, MA 02370

PREPARED BY:

JC ENGINEERING, INC 2854 CRANBERRY HIGHWAY EAST WAREHAM, MA 02538 508-273-0377

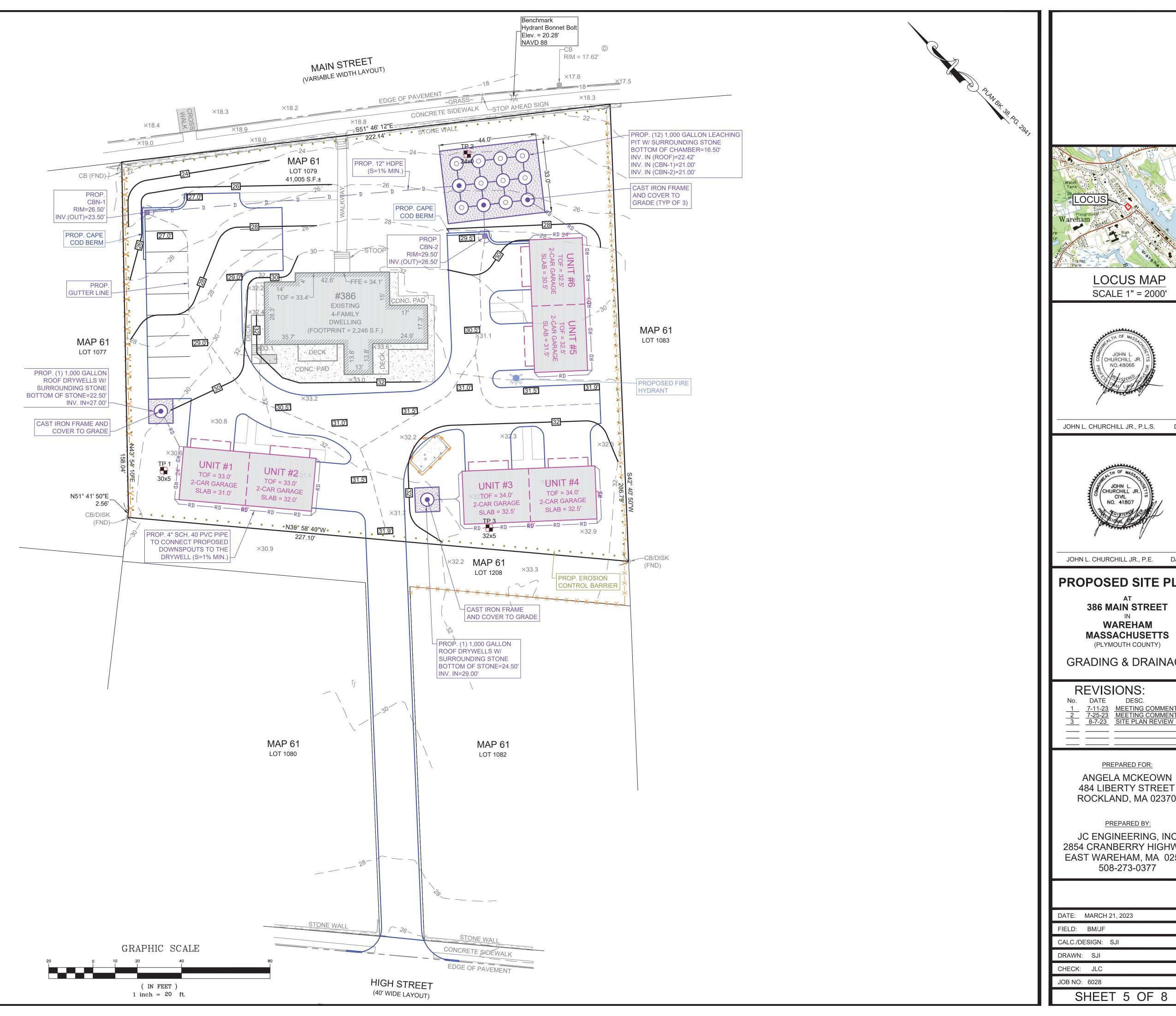
DATE:	MARCH 21, 2023
FIELD:	BM/JF
CALC./E	DESIGN: SJI
DRAWN	: SJI
CHECK:	JLC
JOB NO	: 6028

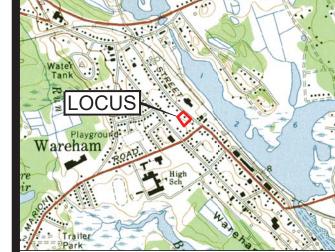
GRADING & DRAINAGE NOTES:

- 1. ALL CUT & FILL SLOPES SHALL BE 3:1 OR FLATTER UNLESS OTHERWISE NOTED ON THIS PLAN.
- 2. EXISTING AND PROPOSED GRADE CONTOURS ARE SHOWN AT 2-FT

INTERVALS.

- 3. MINIMUM COVER OVER PIPE SHALL NOT BE LESS THAN 1.0 FEET.
- 4. THE DRIVEWAY SHALL NOT BE PAVED UNTIL THE ENTIRE PERMANENT DRAINAGE SYSTEM HAS BEEN INSTALLED AND PIPE CONNECTIONS COMPLETE. CONTRACTOR SHALL NOTIFY ENGINEER PRIOR TO BACKFILL FOR INSPECTION.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSPECTION AND MAINTENANCE OF ALL STORMWATER MANAGEMENT FACILITIES UNTIL SUCH TIME THAT THE DRIVEWAY, BUILDINGS, AND ASSOCIATED UTILITIES ARE ACCEPTED BY THE OWNER.





SCALE 1" = 2000'



JOHN L. CHURCHILL JR., P.L.S.



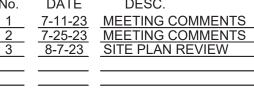
JOHN L. CHURCHILL JR., P.E. DATE

PROPOSED SITE PLAN

386 MAIN STREET

WAREHAM **MASSACHUSETTS**

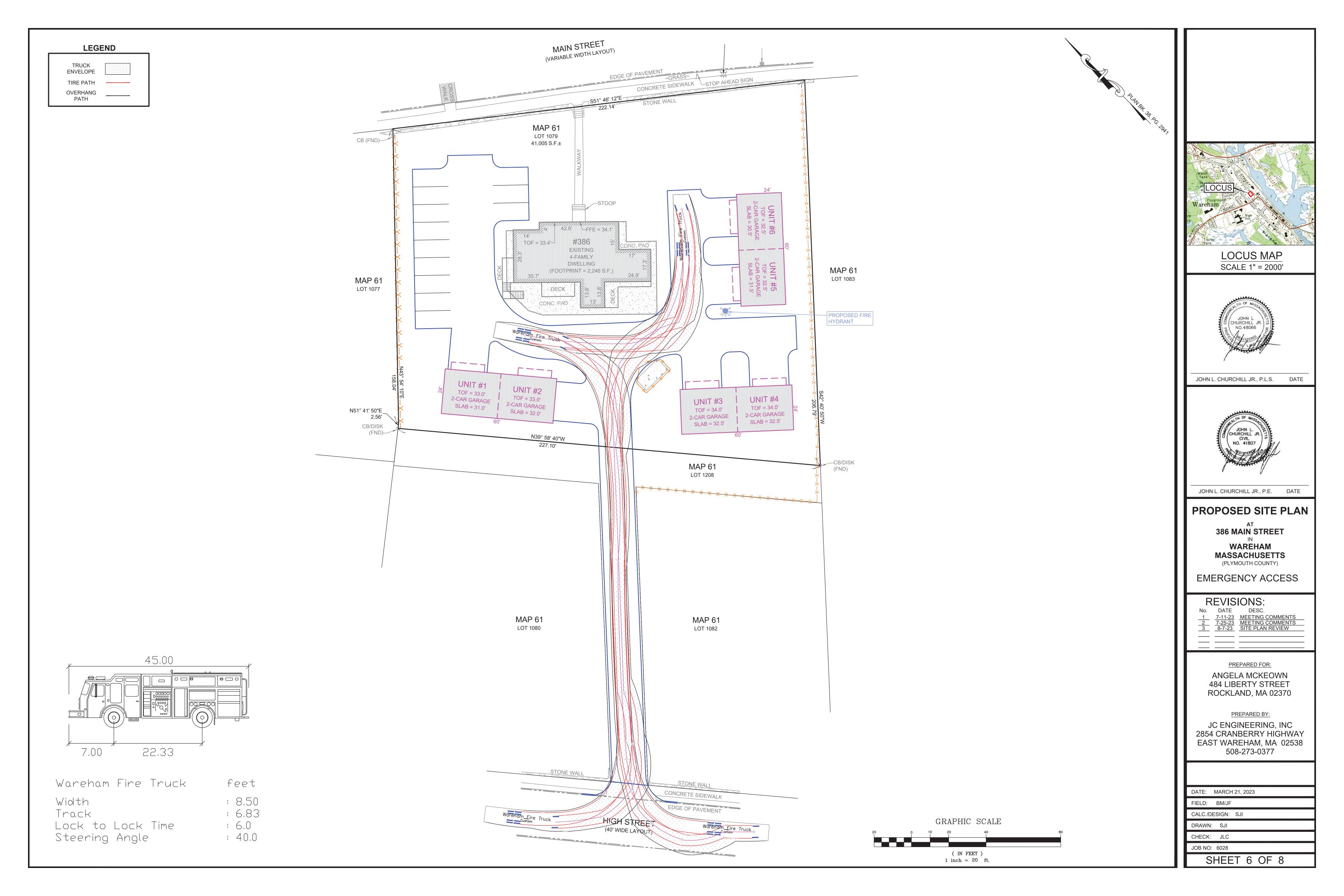
GRADING & DRAINAGE



484 LIBERTY STREET ROCKLAND, MA 02370

JC ENGINEERING, INC 2854 CRANBERRY HIGHWAY EAST WAREHAM, MA 02538 508-273-0377

	DATE: MARCH 21, 2023
П	FIELD: BM/JF
П	CALC./DESIGN: SJI
П	DRAWN: SJI



PLANTING NOTES:

1. ALL PLANT MATERIAL SHALL CONFORM TO THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN ANSI Z260.1 OR THE LATEST EDITION. ALL PLANT MATERIAL SHALL BE TRUE TO SPECIES, VARIETY AND SIZE AND SHALL BE CERTIFIED DISEASE AND INSECT FREE AT THE TIME OF DELIVERY TO THE SITE. THE OWNER AND/OR LANDSCAPE ARCHITECT RESERVES THE RIGHT TO APPROVE OR REJECT THE PLANT MATERIAL ON SITE PRIOR TO INSTALLATION.

2. THE LANDSCAPE ARCHITECT SHALL SPECIFY AN ACCEPTABLE REPLACEMENT SHOULD ANY PLANT MATERIAL BE UNAVAILABLE AT TIME OF DELIVERY.

3. ALL PLANT MATERIAL SHALL BE PROPERLY PLANTED AND STAKED IN CONFORMANCE WITH THE DETAILS PROVIDED. PROVIDE THREE (3) STAKES PER TREE UNLESS OTHERWISE NOTED. INSTALL ALL PLANT MATERIAL ON UNDISTURBED GRADE OR GRADES THAT HAVE BEEN ESTABLISHED DURING CONSTRUCTION AND APPROVED BY THE LANDSCAPE ARCHITECT. FURNISH ALL PLANT MATERIAL IN APPROVED CONTAINERS OR BALLED AND BURLAPPED. CUT AND REMOVE BURLAP FROM THE TOP ONE-THIRD (1/3) OF THE ROOT BALL. ENTIRELY REMOVE ALL WIRE ROOT BALL BASKETS FROM THE PLANTING PIT PRIOR TO FINAL BACKFILLING OF PLANTING PIT.

4. PROVIDE PLANTING PITS AS INDICATED ON THE PLANTING DETAILS. BACKFILL PLANTING PITS WITH ONE PART EACH OF TOPSOIL, ONE PART PEAT MOSS OR COMPOSTED LEAF MATTER (TWO YEARS OLD), AND ONE PART EXISTING SOILS ON THE SITE. IF IN THE OPINION OF THE LANDSCAPE ARCHITECT EXCESSIVELY WET SOIL CONDITIONS EXIST. THEN PLANTING PITS SHALL BE EXCAVATED AN ADDITIONAL 12" AND FILLED WITH SAND TO THE BOTTOM OF THE PLANT PIT. A SLOW RELEASE FERTILIZER SHALL BE ADDED TO THE BACKFILL MIX IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS FOR NEW TRANSPLANTS.

5. NEWLY INSTALLED PANT MATERIAL SHALL BE WATERED AT THE TIME OF THE INSTALLATION AND AGAIN WITHIN 24 HOURS OF THE INSTALLATION. REGULAR WATERING SHALL BE PROVIDED BY THE LANDSCAPE CONTRACTOR TO ENSURE ESTABLISHMENT, GROWTH AND SURVIVAL OF ALL PLANTS.

6. ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF TWO YEARS AFTER THE DATE OF FINAL ACCEPTANCE BY THE LANDSCAPE ARCHITECT. ANY PLANT THAT DIES WITHIN THE GUARANTEE PERIOD SHALL BE REMOVED (INCLUDING THE ROOT BALL) AND REPLACED WITH A SPECIMEN OF THE SAME VARIETY AND SIZE AS THE ORIGINALLY SPECIFIED PLANT, AT THE EXPENSE OF THE LANDSCAPE CONTRACTOR.

7. THE LANDSCAPE CONTACTOR SHALL FURNISH A MINIMUM OF 24" OF TOPSOIL IN ALL PLANTING BEDS. A COMPLETE SOIL ANALYSIS SHALL BE CONDUCTED BY THE LANDSCAPE CONTRACTOR PRIOR TO PLANTING TO DETERMINE THE EXTENT OF MODIFICATIONS NECESSARY TO THE PH AND NUTRIENT LEVELS OF THE PLANTING SOIL TO ENSURE SURVIVAL OF THE PLANTS. THE CONTRACTOR SHALL FURNISH THE TEST RESULTS TO THE LANDSCAPE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO PLANTING.

8. ALL PLANTING BEDS AND TREE WELLS SHALL RECEIVE A 3" MINIMUM LAYER OF FINELY SHREDDED PINE BARK. THE LANDSCAPE CONTRACTOR SHALL SUBMIT A SAMPLE OF THE MULCH TO THE LANDSCAPE ARCHITECT PRIOR TO DELIVERY OF THE MULCH TO THE SITE.

9. ALL SHRUB MASSES SHALL BE PLANTED IN CONTINUOUS MULCHED BEDS.

10. IN THE CASE OF A DISCREPANCY BETWEEN THE QUANTITIES LISTED IN THE PLANT SCHEDULE AND THOSE ILLUSTRATED IN THE PLAN, THE PLAN SHALL

11. ALL LANDSCAPE AREAS NOT PLANTED WITH TREES, SHRUBS, GROUND COVER OR SOD SHALL BE RESTORES WITH 6" OF TOPSOIL AND SHALL BE SEEDED AS INDICATED ON THE PLANS. (T & S)

12. APPLICATION OF GRASS SEED FERTILIZER AND MULCH SHALL BE ACCOMPLISHED BY BROADCAST OR HYDRO SEEDING AT THE RATES OUTLINED BELOW:

LIMESTONE: 100 LBS / 1000 SF

DRAINAGE

TEST PIT DATA

EVALUATOR: Bradley Bertolo, EIT, CSE

January 6, 2023

Sandy Loam

10Yr 3/2

Sandy Loam

10Yr 5/6

Fine Loamy Sand

2.5Y 6/2

10% Gravel

Some Cobbles &

Boulders

26.50'

30.50'

< 21.50'

INSPECTOR: __Unwitnessed

TEST PIT #:

ELEV TOP =

ELEV WATER =

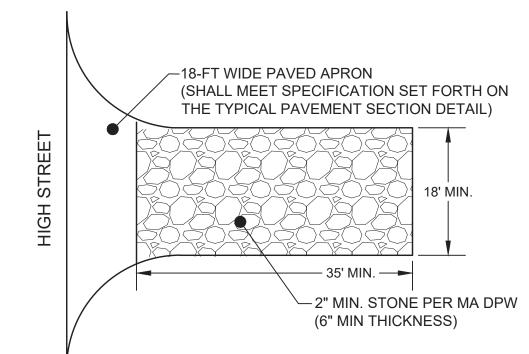
PERC RATE =

DEPTH OF PERC =

TEXTURAL CLASS:

FERTILIZER; USE LOW PHOSPHATE AND SLOW RELEASE NITROGEN FERTILIZER 1000 LBS/ACRE

CREEPING RED FESCUE TALL FESCUE PERENNIAL RYE RED TOP



TEMPORARY CONSTRUCTION ENTRANCE DETAIL

TEST PIT #:

ELEV TOP =

ELEV WATER =

PERC RATE =

DEPTH OF PERC =

TEXTURAL CLASS:

DRAINAGE

TEST PIT DATA

EVALUATOR: Bradley Bertolo, EIT, CSE

January 6, 2023

Sandy Loam

10Yr 3/2

Sandy Loam

10Yr 5/6

Loamy Sand

2.5Y 6/3

15% Gravel

& Cobbles

No Mottling, Standing or Weeping Observed No Mottling, Standing or Weeping Observed No Mottling, Standing or Weeping Observed

2

24.00'

23.33'

20.83'

< 14.00'

INSPECTOR: Unwitnessed

DRAINAGE

TEST PIT DATA

EVALUATOR: Bradley Bertolo, EIT, CSE

Fill

Loamy Sand

10Yr 5/6

Loamy Sand

2.5Y 6/2

5% Gravel

29.50'

3

32.50'

INSPECTOR: Unwitnessed

TEST PIT #:

ELEV TOP =

PERC RATE =

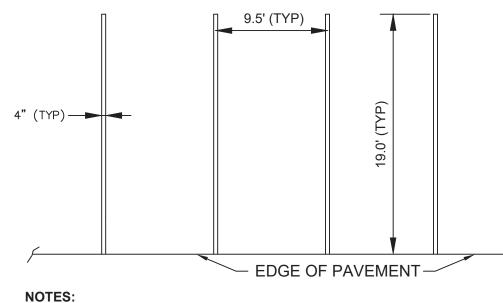
DEPTH OF PERC =

TEXTURAL CLASS:

DATE: January 6, 2023

ELEV WATER = < 21.50'

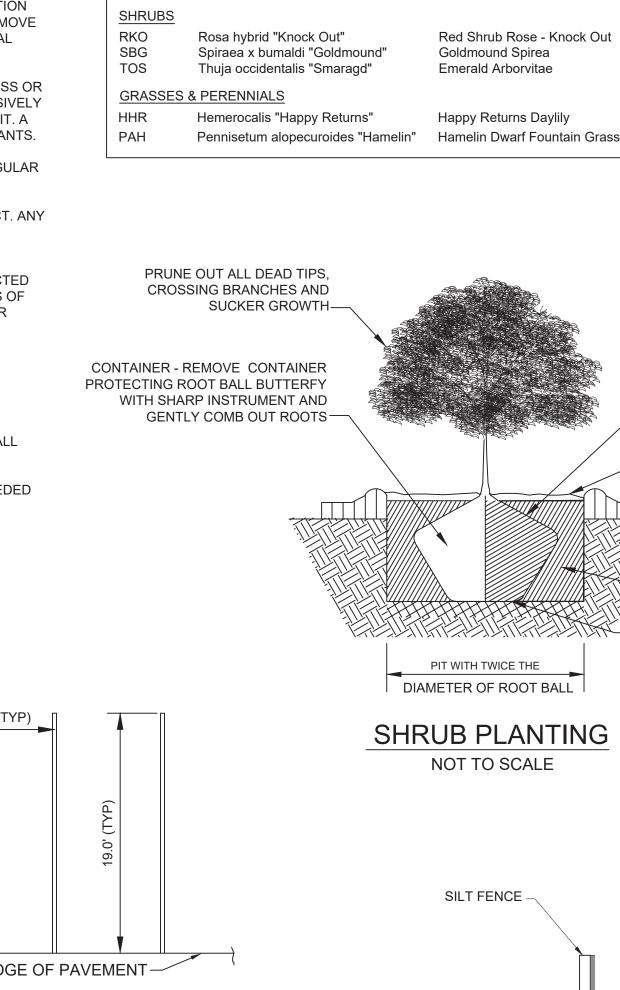
NOT TO SCALE



(1) STRIPING SHALL BE 4" WIDE STRAIGHT LINES OF WHITE TRAFFIC PAINT, TO BE INSTALLED AS SHOWN ON LAYOUT AND PARKING PLAN. (2) DIMENSIONS AS SHOWN APPLY ONLY TO OUTDOOR SURFACE PARKING AREAS ONLY.

TYPICAL STRIPING DETAIL

NOT TO SCALE



PLANT SCHEDULE

PCC

BOTANICAL NAME

Acer rubrum "October Glory"

Pyrus calleryana "Chanticleer"

BACKFILL WITH TOPSOIL FROM HOLE - ROOTBALL SHOULD SIT DIRECTLY ON UNDISTURBED SOIL PIT WITH TWICE THE DIAMETER OF ROOT BALL SHRUB PLANTING NOT TO SCALE - 1" X 2" X 3' OAK SILT FENCE -BEANPOLES, SPACED 6' 0.C. MAX. ·12" COMPOST FILTER SOCK **FILTERED** RUNOFF -

COMMON NAME

Goldmound Spirea

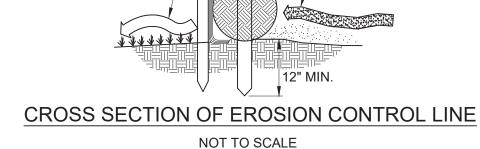
Emerald Arborvitae

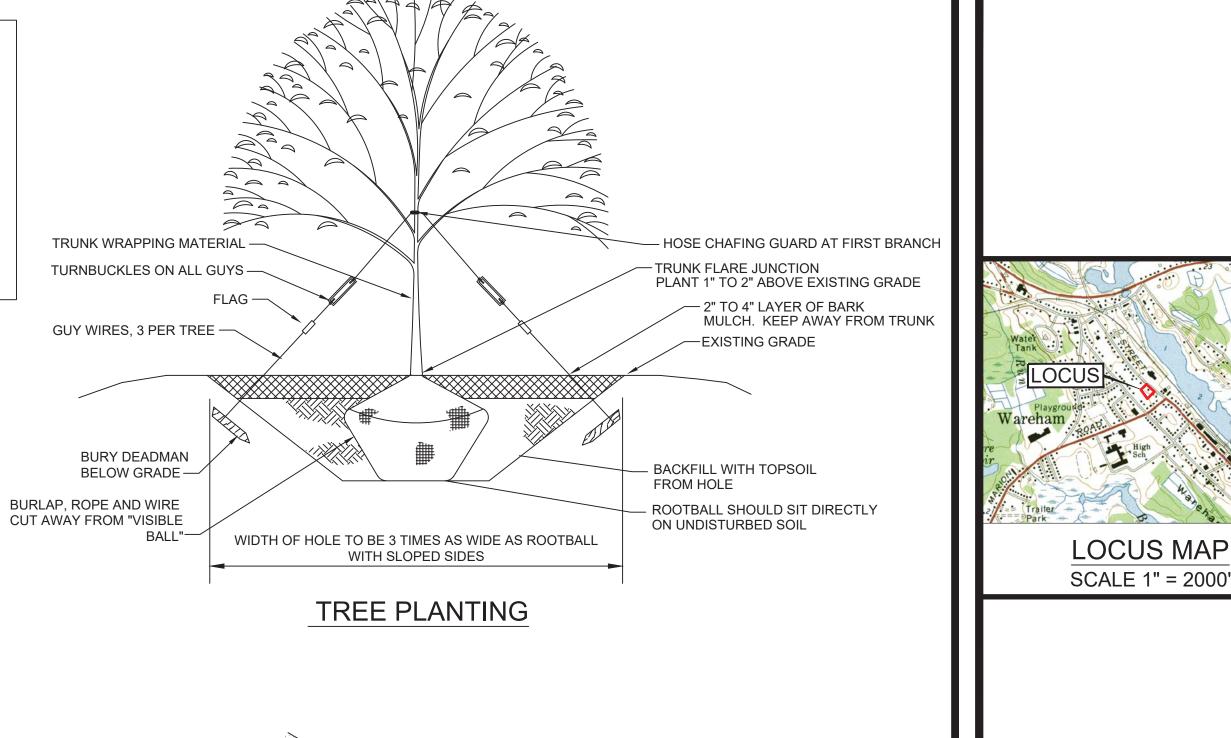
Happy Returns Daylily

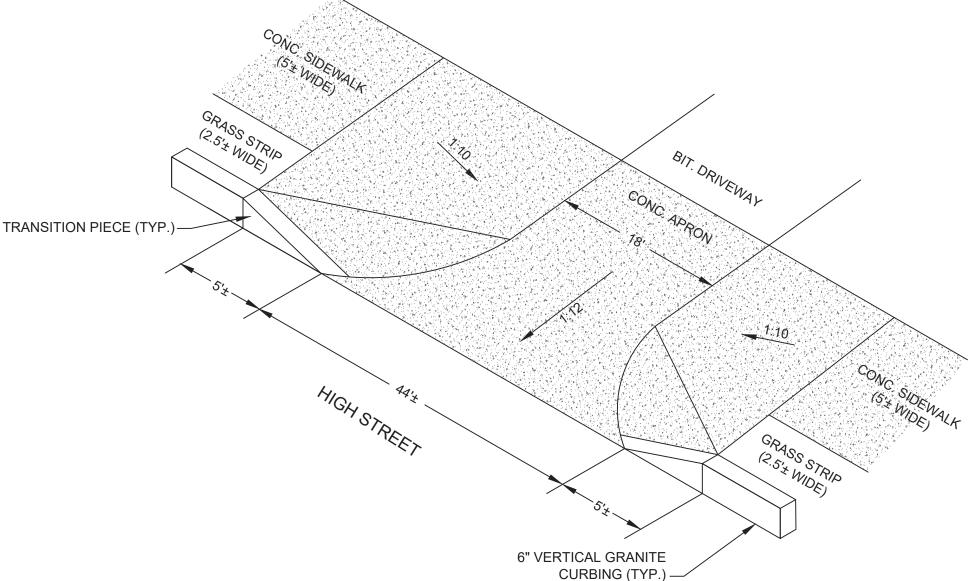
October Glory Red Maple

Cleveland Select Callery Pear

Red Shrub Rose - Knock Out







NOTE: DEPTH OF HYDRANT BURY TO SUIT INSTALLED

HYDRANT ASSEMBLY DETAIL

NOT TO SCALE

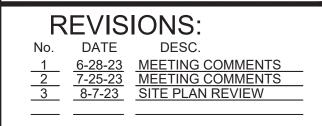
DEPTH OF COVER OVER WATERMAIN.



JOHN L. CHURCHILL JR., P.L.S.

386 MAIN STREET WAREHAM **MASSACHUSETTS** (PLYMOUTH COUNTY)

DETAIL



PREPARED FOR: ANGELA MCKEOWN **484 LIBERTY STREET** ROCKLAND, MA 02370

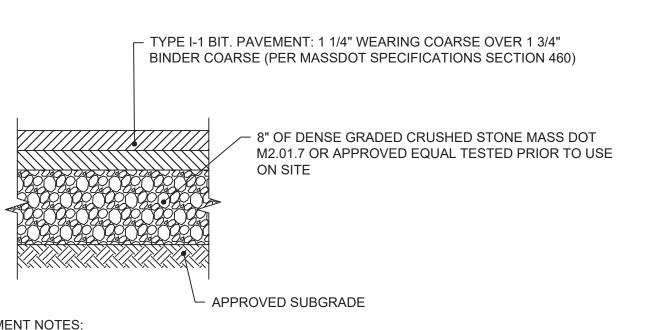
PREPARED BY:

JC ENGINEERING, INC 2854 CRANBERRY HIGHWAY EAST WAREHAM, MA 02538 508-273-0377

DATE: MARCH 21, 2023
FIELD: BM/JF
CALC./DESIGN: SJI
DRAWN: SJI
CHECK: JLC
JOB NO: 6028
SHEET 7 OF 8

CONCRETE APRON

NOT TO SCALE



PAVEMENT NOTES: 1. SUBGRADE MATERIAL SHALL CONSISTS OF INERT MATERIAL THAT IS HARD, DURABLE STONE AND/OR COARSE SAND, FREE FROM LOAM AND CLAY TO A DEPTH NOT LESS THAN 4-FT BELOW FINISHED GRADE ELEVATION. ALL UNSUITABLE MATERIAL SHALL BE EXCAVATED AND REMOVED PRIOR TO SUBGRADE INSTALLATION.

2. SUBGRADE SHALL BE PLACED IN MAXIMUM 8" LIFTS (COMPACTED TO 95%)

3. REFER TO SITE PLAN FOR EXTENTS OF BIT. PAVEMENT.

4. THE INSTALLED BINDER COARSE SHALL BE SWEPT CLEAN PRIOR TO THE INSTALLATION OF THE WEARING COARSE BY A MECHANICAL SWEEPER. TACK COAT SHALL BE APPLIED PER THE SPECIFICATIONS.

TYPICAL PAVEMENT SECTION

ADJUSTABLE SERVICE BOX (SET FLUSH WITH SURFACE) -FINISH GRADE -— SLEEVE TYPE COUPLING 1" TYPE "K" COPPER COUPLING -- CURB STOP - CORPORATION STOP - PROP. 6" CLDI WATERMAIN

QUANTITY COMMENTS

20

20

- B & B - CUT & REMOVE BURLAP

GENTLY COMB OUT ROOTS

BARK MULCH (3" MINIMUN)

SEDIMENT LADEN

RUNOFF (SEDIMENT

REACHES HALF OF

HEIGHT OF SOCK)

TO BE REMOVED IF IT

- EXISTING GRADE

FROM TOP HALF OF ROOT BALL &

- AGED SHREDDED PINE / HEMLOCK

B & B

B & B

3 gal.

3 gal.

B & B

18" o.c.

18" o.c.

3" cal.

3" cal.

18" - 24" ht.

18" - 24" spr

6' - 7' ht.

NOT TO SCALE

ADJUSTABLE VALVE BOX VARIES TO BE DETERMINED WITH COVER(SET FLUSH IN THE FIELD WITH SURFACE)-ROTATE HYDRANT MATCH THE STEAMER — AS DIRECTED PROPOSED CONNECTION -HYDRANT TO MEET THE SURFACE-WAREHAM FIRE DISTRICTS REQUIREMENTS 18" MIN. CLEAR RETAINER **GLAND (TYP** ANCHOR TEE-THRUST BLOCK PLACED AGAINST 6" GATE VALVE-UNDISTURBED MATERIAL (TYP.) 6" D.I. CONNECTING PIPE --FLAT STONE OR CONCRETE BLOCK 1/2" TO 1" CRUSHED STONE TO 6" ABOVE HYDRANT DRIP

WATER SERVICE CONNECTION NOT TO SCALE

