

PERMIT SITE DEVELOPMENT PLANS

(TO ACCOMPANY A SITE PLAN REVIEW APPLICATION)

93 STATE STREET

(MAP: 14 LOTS: 39 & 40)

LOCATED IN

NEWBURYPORT, MASSACHUSETTS

DATE: JANUARY 8, 2020

OWNER/APPLICANT:

INSTITUTION FOR SAVINGS

93 STATE STREET

NEWBURYPORT, MASSACHUSETTS 01950



500 CUMMINGS CENTER SUITE 5950 BEVERLY, MASSACHUSETTS 01915
69 MILK STREET, SUITE 302 WESTBOROUGH, MASSACHUSETTS 01581
TELEPHONE: (978) 299-0447 TELEPHONE: (508) 871-7030
WWW.MERIDIANASSOC.COM

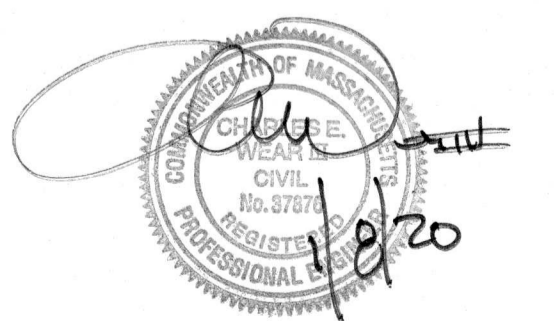
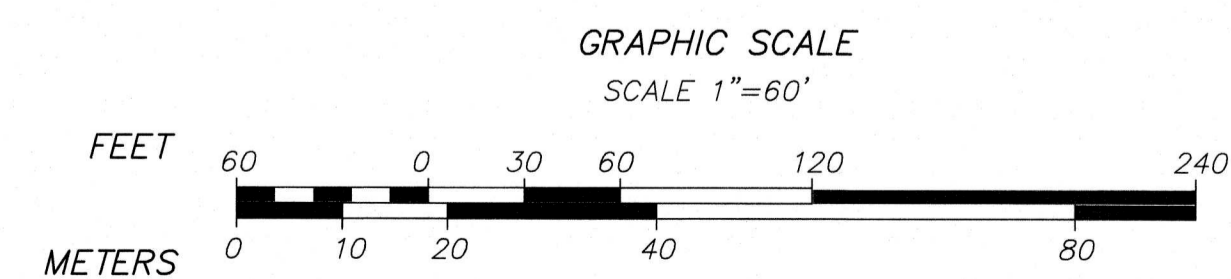
DRAWING INDEX:

- SHEET 1 COVER SHEET
- SHEET 2 RECORD CONDITIONS/DEMOLITION PLAN
- SHEET 3 SITE LAYOUT, GRADING & EROSION CONTROL PLAN
- SHEET 4 SITE UTILITY PLAN
- SHEET 5 LANDSCAPING PLAN
- SHEET 6 SITE DETAILS

APPROVED BY PLANNING BOARD

DATE: _____

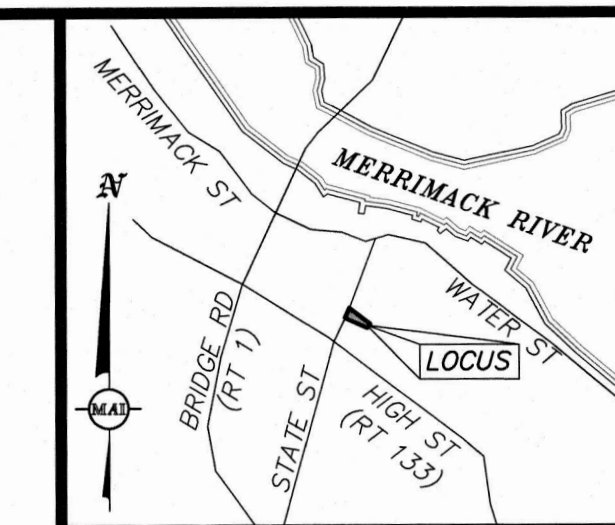
LOCUS CONTEXT MAP



TEMPORARY BENCHMARK CHART

T.B.M.#	DESCRIPTION	ELEVATION
△	X-CUT RIGHT FRONT CAP BOLT HYDRANT, 2.8' A.G.	102.30
△	TOP OF GRANITE POST, 3.5' A.G.	107.26

(SEE NOTE 6)



LOCUS MAP
(NOT TO SCALE)

EXISTING LEGEND:

- 101 ONE FOOT CONTOUR
- 100 FIVE FOOT CONTOUR
- GRANITE CURB
- IRON FENCE
- WOOD FENCE
- RETAINING WALL
- BRICK
- CONCRETE
- PARKING AREA TO BE REMOVED
- SIGN
- HANDICAP RAMP
- BOLLARD
- BENCH
- DECIDUOUS TREE
- CONIFEROUS TREE
- COMPILED GAS LINE
- GAS GATE
- GAS METER
- COMMUNICATIONS LINE
- UNDERGROUND CABLE PAINT MARKING
- TELEPHONE MANHOLE
- OVERHEAD WIRES
- COMPILED ELECTRIC LINE
- LIGHT POLE
- ELECTRIC MANHOLE
- UTILITY POLE
- UTILITY POLE WITH LIGHT
- GUY WIRE
- ELECTRIC HANDHOLE
- AIR CONDITIONER
- DRAIN LINE
- COMPILED DRAIN LINE
- DRAIN MANHOLE
- COMPILED DRAIN MANHOLE
- CATCH BASIN
- COMPILED CATCH BASIN
- AREA DRAIN/ROUND CATCH BASIN
- D-SHAPE CATCH BASIN
- DOUBLE CATCH BASIN
- CLEANOUT
- WATER LINE
- COMPILED WATER LINE
- UNDERGROUND WATER PAINT MARKING
- WATER GATE
- COMPILED WATER GATE
- HYDRANT
- WATER SERVICE
- IRRIGATION CONTROL VALVE
- SEWER LINE
- COMPILED SEWER LINE
- SEWER MANHOLE
- COMPILED SEWER MANHOLE
- MANHOLE
- TERMINUS UNKNOWN
- ABOVE GROUND
- BIT. CONC.
- BITUMINOUS CONCRETE
- CAST IRON
- CONC.
- CORRUGATED STEEL
- FINISHED FIRST FLOOR
- GEN
- GENERATOR
- GC
- GRANITE CURB
- INV
- PVC
- POLYVINYL CHLORIDE
- RWS
- STONE RETAINING WALL
- TO BE REMOVED

RECORD OWNER:

INSTITUTION FOR SAVINGS IN NEWBURYPORT AND ITS VICINITY
93 STATE STREET
NEWBURYPORT, MASSACHUSETTS 01950

REFERENCES:

- PLAN BOOK 35, PLAN 13
- PLAN IN RECORD BOOK 2526, PAGE 1
- PLAN 292 OF 1945
- PLAN 704 OF 1955

- DEED BOOK 764, PAGE 51
- DEED BOOK 1851, PAGE 347
- DEED BOOK 1889, PAGE 219
- DEED BOOK 3423, PAGE 564
- DEED BOOK 5448, PAGE 338
- DEED BOOK 6788, PAGE 210

DOCUMENTS ON RECORD AT THE ESSEX SOUTH COUNTY REGISTRY OF DEEDS

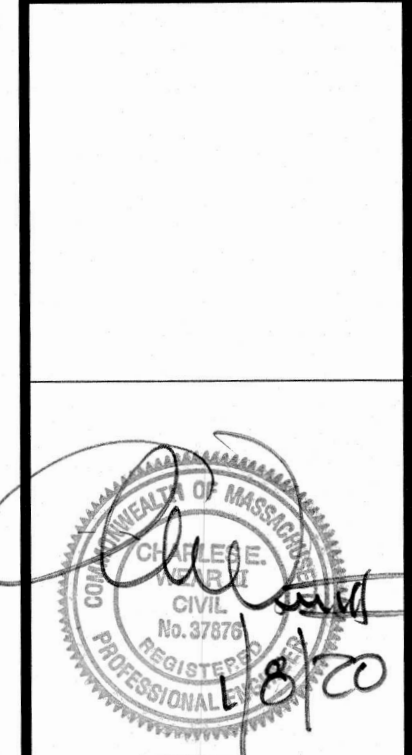
NOTES:

- THE TOPOGRAPHY, SITE DETAIL & SURFACE IMPROVEMENTS DEPICTED HEREON WERE OBTAINED FROM AN INSTRUMENT SURVEY CONDUCTED ON THE GROUND BY MERIDIAN ASSOCIATES, INC. (MAI) ON APRIL 25, 2019 AND JULY 9 & 10, 2019.
- THE SUBJECT PROPERTY IS LOCATED IN THE DOWNTOWN BUSINESS DISTRICT (B2) AND THE DOWNTOWN OVERLAY DISTRICT.
- THE SUBJECT PROPERTY IS DEPICTED AS LOTS 39 & 40 ON CITY OF NEWBURYPORT ASSESSOR'S MAP 14.
- THE LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED UPON A PARTIAL FIELD SURVEY AND COMPILATION OF PLANS OF RECORD. MERIDIAN ASSOCIATES, INC. DOES NOT WARRANT NOR GUARANTEE THE LOCATION OF ALL UTILITIES DEPICTED OR NOT DEPICTED. THE CONTRACTOR, PRIOR TO COMMENCEMENT OF CONSTRUCTION, SHALL VERIFY THE LOCATION OF ALL UTILITIES AND CONTACT DIG SAFE AT 811.
- THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT, VISIBLE USES OF THE LAND; HOWEVER, THIS DOES NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.
- THE ELEVATIONS DEPICTED HEREON ARE BASED ON AN ASSUMED DATUM.
- LIMITED PROPERTY LINES ARE DEPICTED HEREON.
- THE SUBJECT PREMISES IS LOCATED IN FLOOD ZONE X (UNSHADED), AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN PER FEMA FLOOD INSURANCE RATE MAP NUMBER 25009C01366 DATED JULY 16, 2014.
- THE RIGHT OF WAY LINES FOR OTIS AND PROSPECT STREET WERE BASED UPON EVIDENCE OF OCCUPATION. MAI WAS UNABLE TO FIND RECORD STREET LAYOUTS FOR EITHER STREET. THE CITY OF NEWBURYPORT HAS NOT BEEN ABLE TO FIND ANY RECORDS OF TAKINGS OR LAYOUT PLANS TO ACCOUNT FOR THE CURRENT ROADWAY AND SIDEWALK FOOTPRINT. THE PLANS OF RECORD FOR THE SUBJECT PROPERTY COULD NOT BE PUT ON THE GROUND. THE FRONTAGE ALONG STATE STREET INDICATES THAT THE OWNERSHIP EXTENDS INTO THE APPARENT RIGHT OF WAY OF PRESENT DAY PROSPECT STREET, AS CONSTRUCTED, BASED ON LINES OF OCCUPATION.

ALL UNDERGROUND UTILITY DATA REPRESENTS RECORD INFORMATION RECOVERED THROUGH RESEARCH WITHOUT SURFACE DEMARCATON NOR SUBSURFACE VERIFICATION

BK. #673, PG. #17.40
DWG. No. 6215_REC.DWG

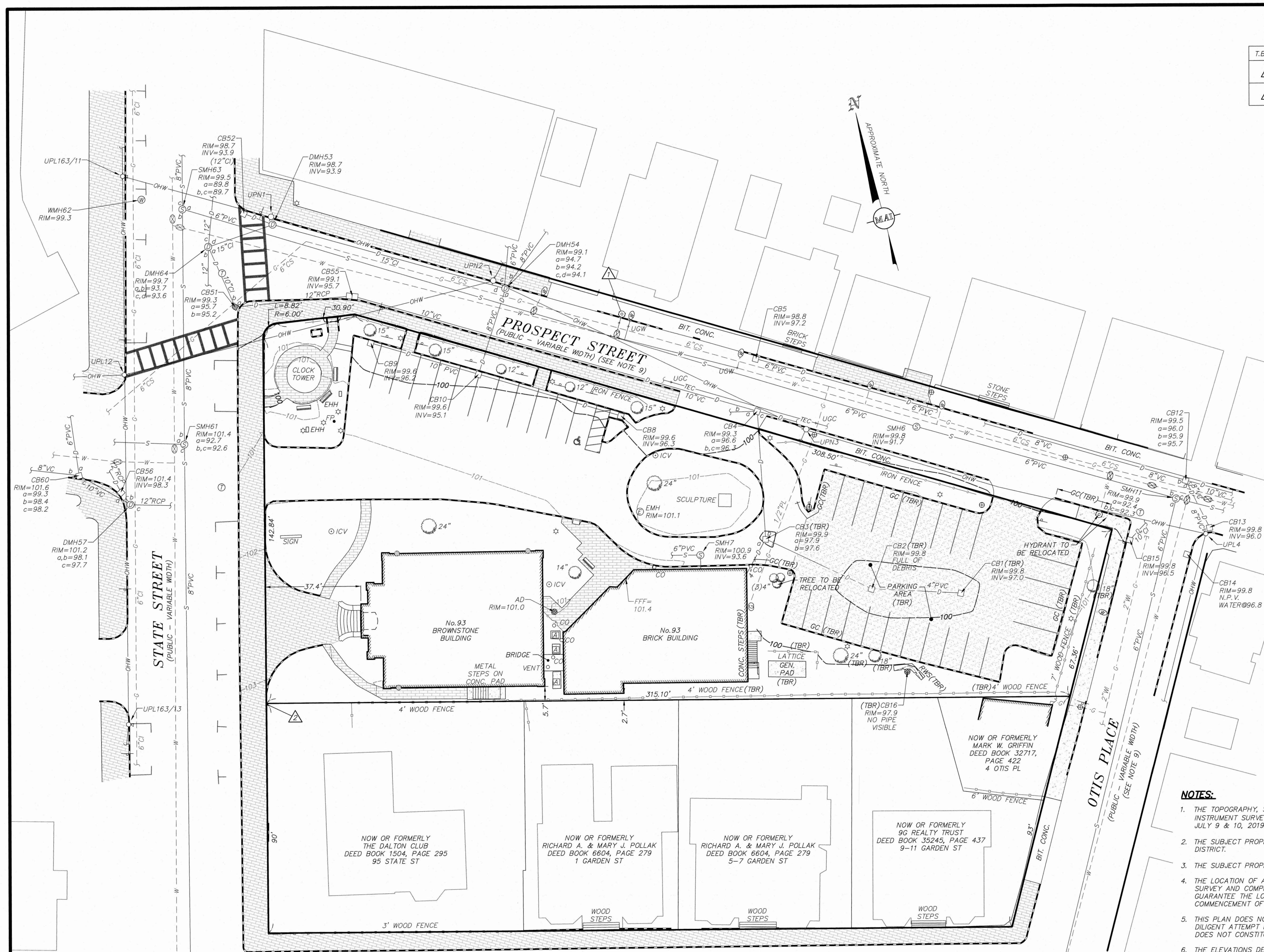
NO.	REVISIONS	DATE	DESCRIPTION



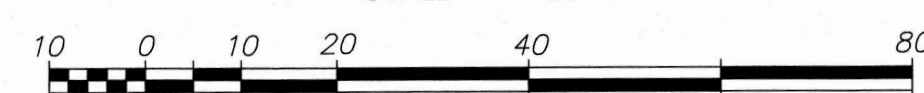
**93 STATE STREET
RECORD CONDITIONS & DEMO PLAN
LOCATED IN
NEWBURYPORT MASSACHUSETTS
(ESSEX COUNTY)
PREPARED FOR
INSTITUTION FOR SAVINGS**

MERIDIAN ASSOCIATES
680 CLAMMING CENTER, SUITE 5050
BEVERLY, MASSACHUSETTS 01915
TELEPHONE: (978) 299-0447
WWW.MERIDIANSASSOC.COM

DESIGNED BY: _____
CHECKED BY: _____
DATE: JANUARY 8, 2020
SCALE: 1"=20'
SHEET No. 2 of 6
PROJECT No. 6215



GRAPHIC SCALE
SCALE: 1"=20'



SCHEDULE OF DIMENSIONAL CONTROLS

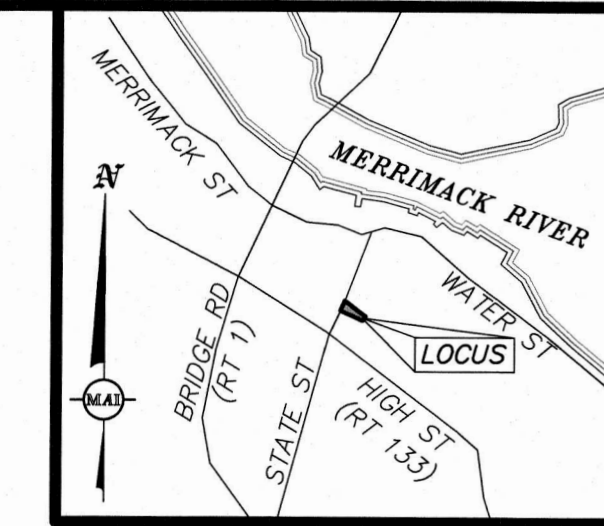
ZONING DISTRICT: 404 B-2 (DOWNTOWN OVERLAY DISTRICT)

REQUIREMENT	REQUIRED	EXISTING	PROPOSED ADDITION
LOT AREA:	5,000 S.F.	36,998±S.F.	36,998±S.F.
FRONTAGE:	60 FT.	491.06± FT.	491.06± FT.
LOT WIDTH:	N/A	VARIES	VARIES
FRONT YARD:	0 FT.	37.4± FT.	4.2± FT.
SIDE YARD:	0 FT.	2.7± FT.	4.5± FT.
REAR YARD:	0 FT.	4.5± FT.	5.5± FT.
BUILDING LOT COVERAGE:	100%	18%	40%

TEMPORARY BENCHMARK CHART

T.B.M.#	DESCRIPTION	ELEVATION
△	X-CUT RIGHT FRONT CAP BOLT HYDRANT, 2.8' A.G.	102.30
△	TOP OF GRANITE POST	107.26

(SEE NOTE 6 SHEET 2)



LOCUS MAP
(NOT TO SCALE)

EROSION CONTROL LEGEND

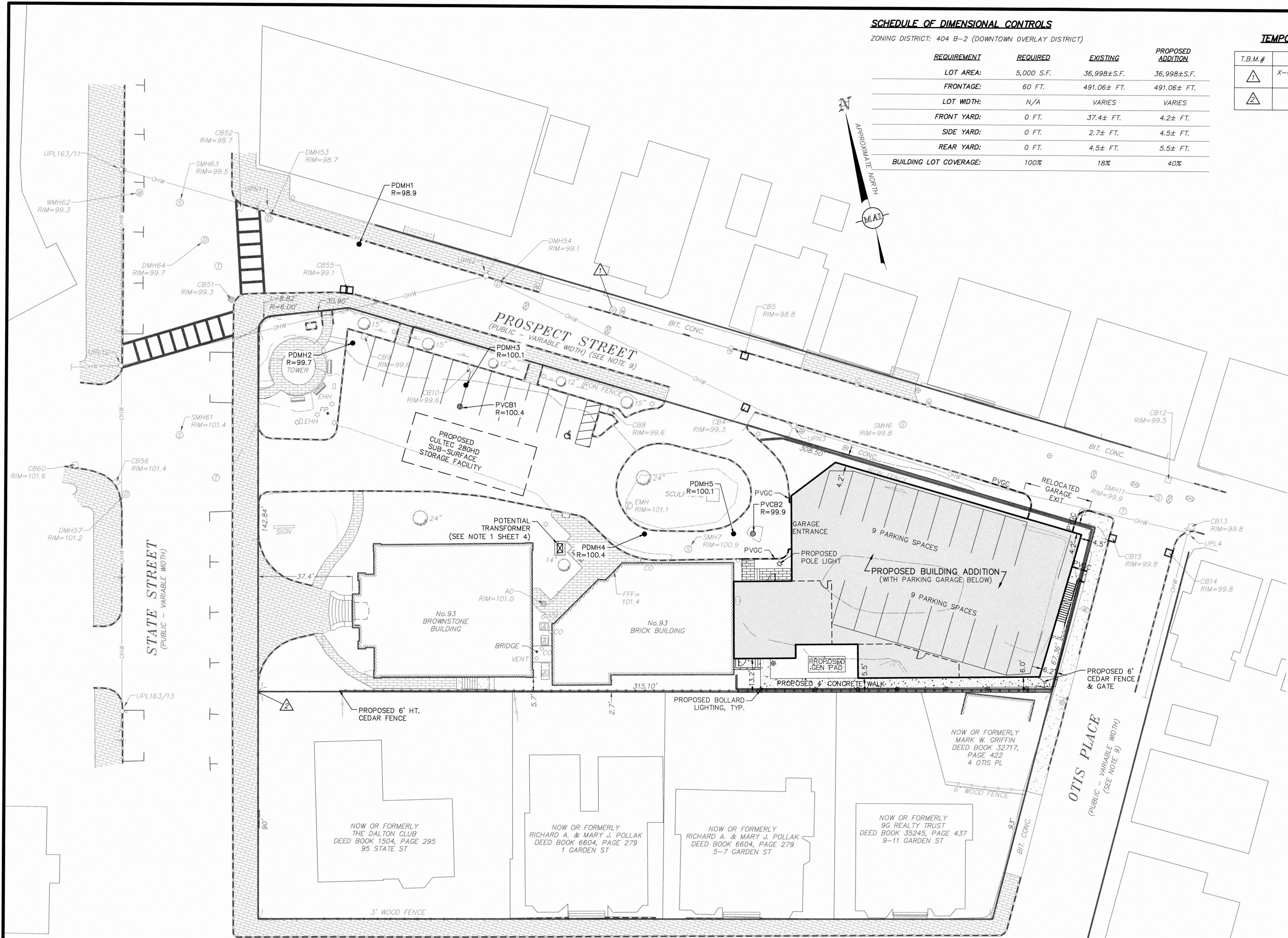
- ▣ PROPOSED FILTERMATT
- ▣ PROPOSED CATCHBASIN INLET PROTECTION

EROSION CONTROL NOTES:

1. ALL EXISTING STRUCTURES WITHIN THE LIMIT OF WORK TO BE REMOVED SHALL BY PROTECTED AND MAINTAINED UNTIL TIME OF REMOVAL/REPLACEMENT.
2. EROSION CONTROL DEVICES SHALL BE CHECKED DAILY TO ENSURE PROPER FUNCTION.

PROPOSED LEGEND

- ▬ PROPOSED GRANITE CURB
- ▬ PROPOSED WALL
- ▬ PROPOSED WOODEN FENCE
- ▬ PROPOSED CONCRETE WALK
- ☆ PROPOSED DECORATIVE POLE LIGHT
- ☆ PROPOSED BOLLARD LIGHT
- PDMH PROPOSED DRAIN MANHOLE
- PVCB PROPOSED VORTECH CATCHBASIN
- ▭ PROPOSED SUB-SURFACE STORAGE FACILITY

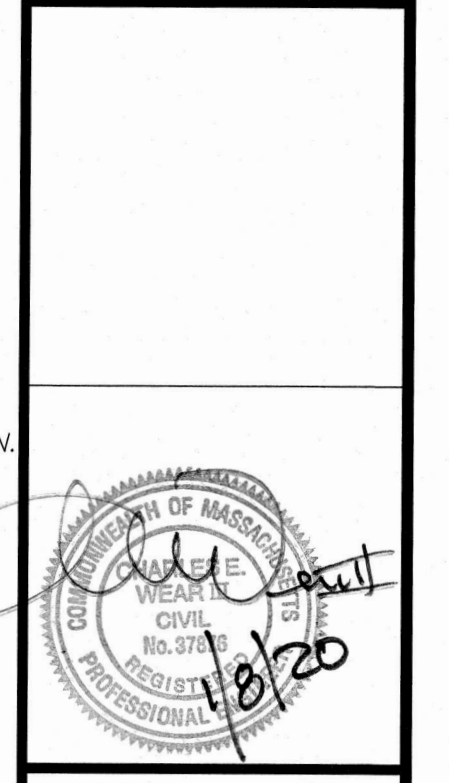


GRAPHIC SCALE
SCALE: 1" = 20'



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REVISIONS	DATE	DESCRIPTION

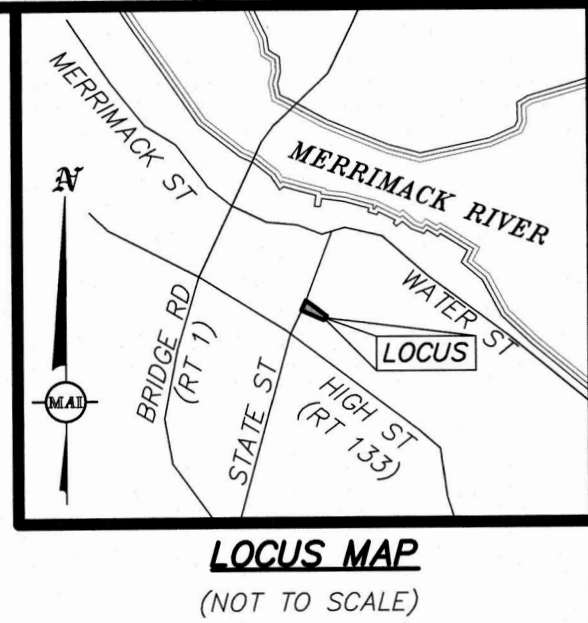
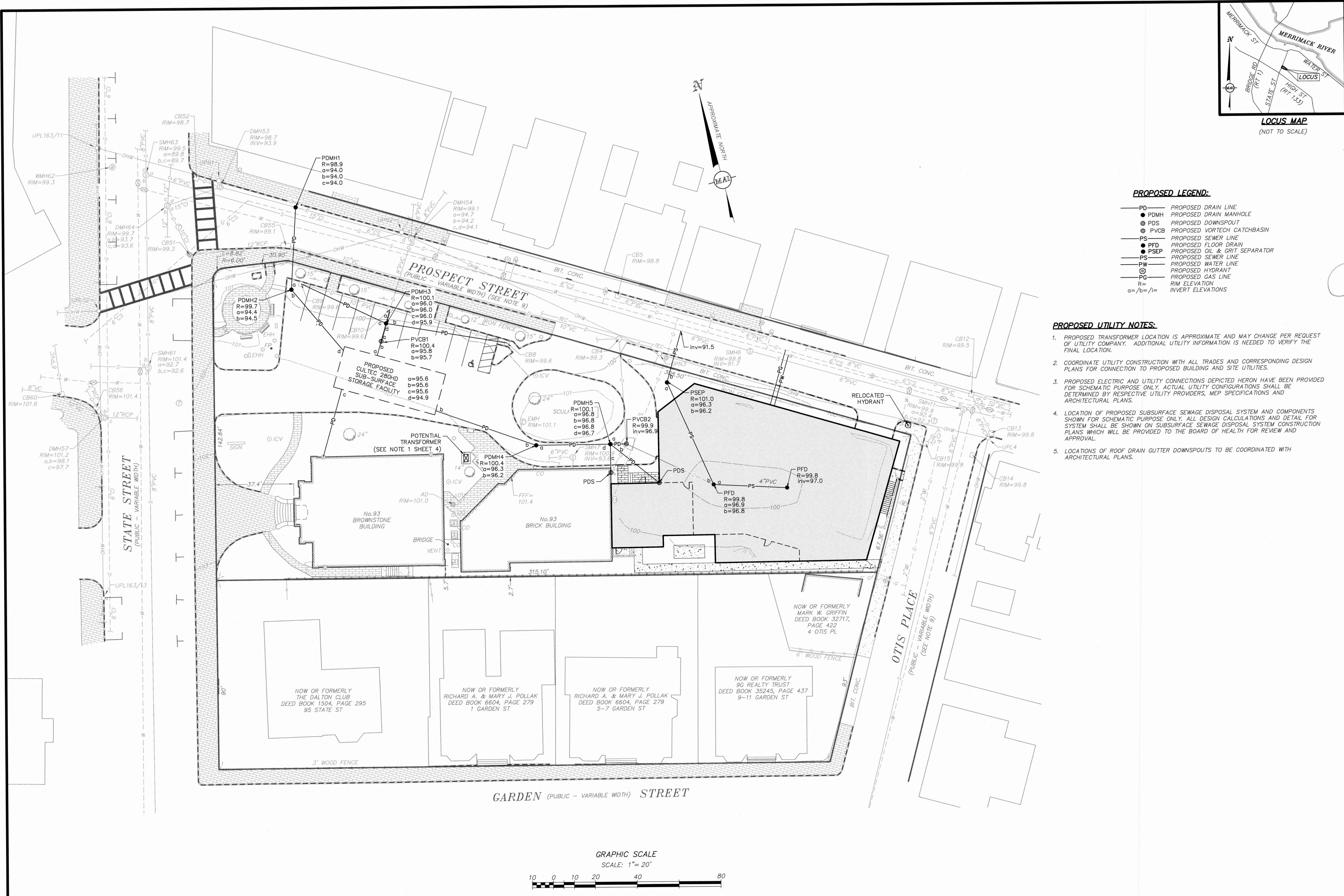


93 STATE STREET
SITE LAYOUT, GRADING & EROSION CONTROL PLAN
 LOCATED IN
NEWBURYPORT, MASSACHUSETTS
 (ESSEX COUNTY)
 PREPARED FOR
INSTITUTION FOR SAVINGS

MERIDIAN ASSOCIATES
 500 CUMMINGS CENTER, SUITE 5950
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 TELEPHONE: (978) 299-0447
 WWW.MERIDIANASSOC.COM

DATE: JANUARY 8, 2020
 SCALE: 1" = 20'
 SHEET No. **3 OF 6**
 PROJECT No. **6215**

(XREF: 6215-REC)
 DWG. No. 6215_SITE.DWG



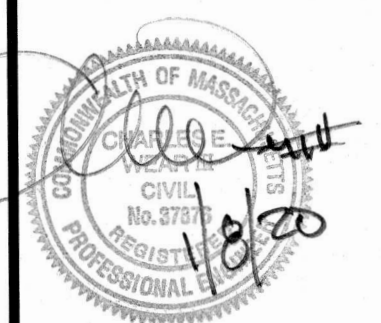
PROPOSED LEGEND:

- PD — PROPOSED DRAIN LINE
- PDMH — PROPOSED DRAIN MANHOLE
- ⊙ PDS — PROPOSED DOWNSPOUT
- ⊙ PVCB — PROPOSED VORTECH CATCHBASIN
- PS — PROPOSED SEWER LINE
- PFD — PROPOSED FLOOR DRAIN
- PSEP — PROPOSED OIL & GRIT SEPARATOR
- PW — PROPOSED SEWER LINE
- PW — PROPOSED WATER LINE
- ⊙ — PROPOSED HYDRANT
- PG — PROPOSED GAS LINE
- R = RIM ELEVATION
- a = b = i = INVERT ELEVATIONS

PROPOSED UTILITY NOTES:

1. PROPOSED TRANSFORMER LOCATION IS APPROXIMATE AND MAY CHANGE PER REQUEST OF UTILITY COMPANY. ADDITIONAL UTILITY INFORMATION IS NEEDED TO VERIFY THE FINAL LOCATION.
2. COORDINATE UTILITY CONSTRUCTION WITH ALL TRADES AND CORRESPONDING DESIGN PLANS FOR CONNECTION TO PROPOSED BUILDING AND SITE UTILITIES.
3. PROPOSED ELECTRIC AND UTILITY CONNECTIONS DEPICTED HEREON HAVE BEEN PROVIDED FOR SCHEMATIC PURPOSE ONLY. ACTUAL UTILITY CONFIGURATIONS SHALL BE DETERMINED BY RESPECTIVE UTILITY PROVIDERS, MEP SPECIFICATIONS AND ARCHITECTURAL PLANS.
4. LOCATION OF PROPOSED SUBSURFACE SEWAGE DISPOSAL SYSTEM AND COMPONENTS SHOWN FOR SCHEMATIC PURPOSE ONLY. ALL DESIGN CALCULATIONS AND DETAIL FOR SYSTEM SHALL BE SHOWN ON SUBSURFACE SEWAGE DISPOSAL SYSTEM CONSTRUCTION PLANS WHICH WILL BE PROVIDED TO THE BOARD OF HEALTH FOR REVIEW AND APPROVAL.
5. LOCATIONS OF ROOF DRAIN GUTTER DOWNSPOUTS TO BE COORDINATED WITH ARCHITECTURAL PLANS.

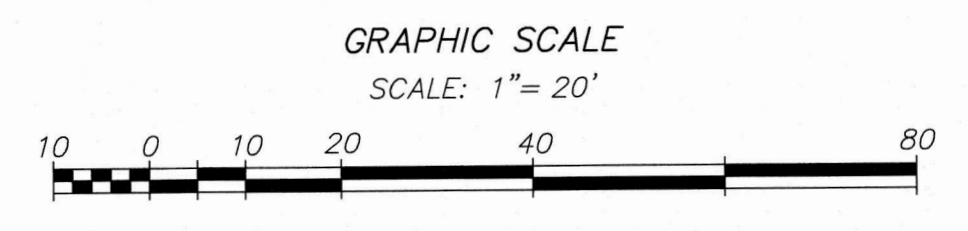
REVISIONS	DATE	DESCRIPTION



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SITE UTILITY PLAN
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 (ESSEX COUNTY)
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INSTITUTION FOR SAVINGS

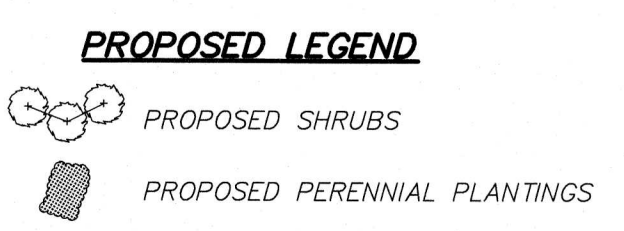
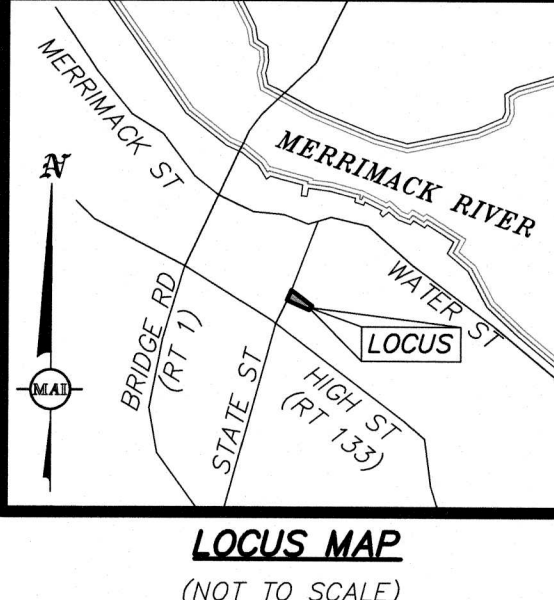
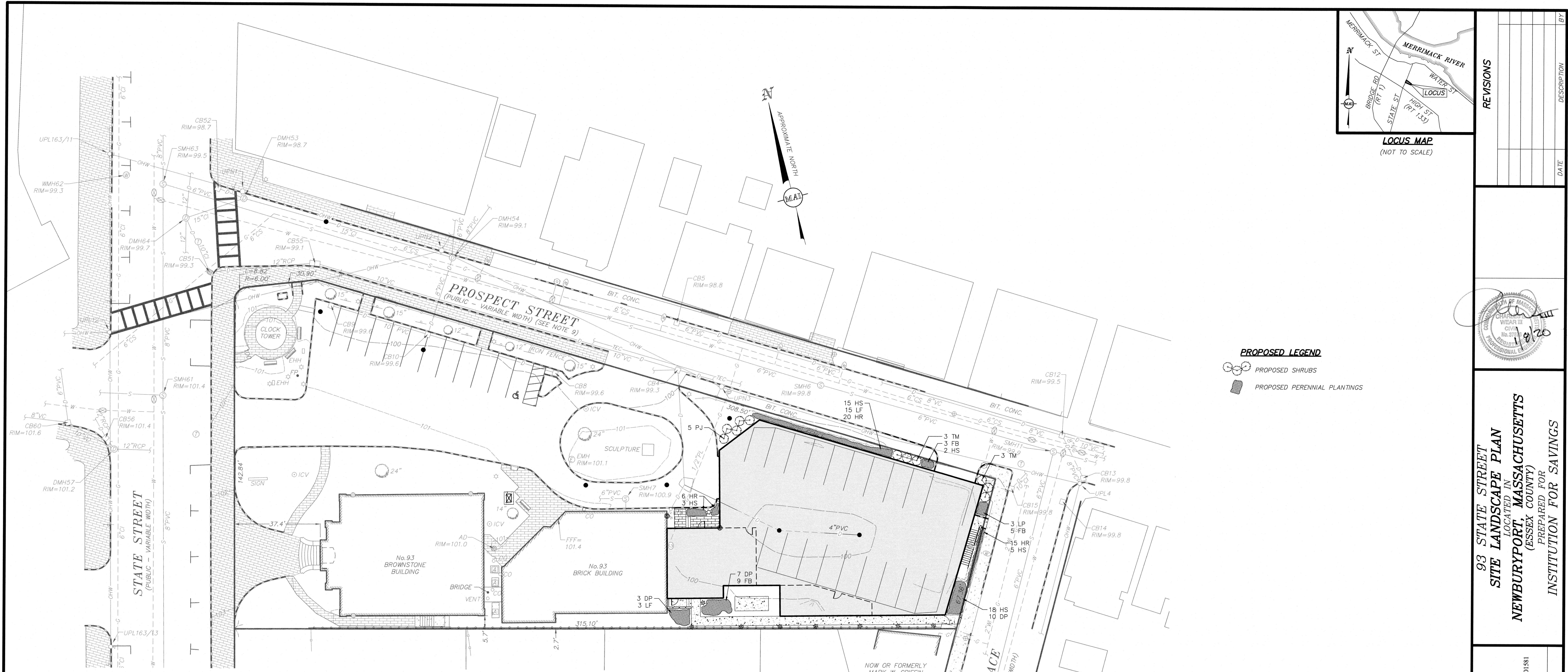
MERIDIAN ASSOCIATES
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DATE: JANUARY 8, 2020
 SCALE: 1"=20'
 SHEET No. **4 OF 6**
 PROJECT No. **6215**

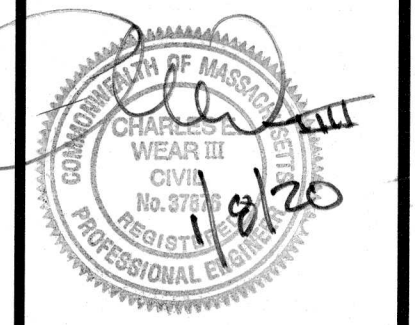


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DWG. No. 6215_SITE.DWG



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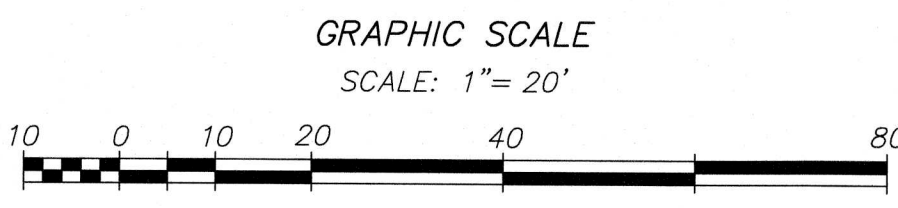


93 STATE STREET
 SITE LANDSCAPE PLAN
 LOCATED IN
 NEWBURYPORT, MASSACHUSETTS
 (ESSEX COUNTY)
 PREPARED FOR
 INSTITUTION FOR SAVINGS

PLANT SCHEDULE

QTY.	SYM.	SCIENTIFIC NAME	COMMON NAME	SIZE	NOTES
	PJ	<i>Pteris japonica</i> 'Mountain Fire'	Mountain Fire Andromeda	24"-30" Ht. #3 Pot	DR DT 48" OC White Evergreen Winter Interest Heavy Shade April
	TM	<i>Taxus x media</i> 'Hatfieldii'	Hatfield Yew	30"-36" Ht. B&B	DT ST 60" OC Evergreen Winter Interest Heavy Shade
	DP	<i>Dennstaedtia punctilobula</i>	Hay Scented Fern	#1 Pot	DR N 30" OC Fall Color Heavy Shade
	HS	<i>Hosta</i> 'Big Daddy'	Big Daddy Hosta	#1 Pot	ST 30" OC White-Pale Lavender Hummingbirds Showy Heavy Shade July-August
	LF	<i>Leucothoe fontanesiana</i>	Leucothoe	#2 Pot	ST 30" OC White Fragrant Heavy Shade May
	FB	<i>Hosta</i> 'Fragrant Bouquet'	Fragrant Bouquet Hosta	#2 Pot	ST 30" OC White Fragrant Hummingbirds Heavy Shade June-July
	HR	<i>Hemerocallis</i> 'Happy Returns'	Happy Returns Daylily	#1 Pot	DR DT ST 12" OC Yellow Butterflies Fragrant June-October

B&B = BALLED & BURLAPPED | DR = DEER RESISTANT | DT = DROUGHT TOLERANT | ST = SALT TOLERANT | N = NATIVE | OC = ON-CENTER



NOTES:

- ALL PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED BY THE "AMERICAN STANDARD FOR NURSERY STOCK" PUBLISHED BY AMERICANHORT 2014 AND AS AMENDED.
- ALL PLANT MATERIAL SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF ACCEPTANCE BY OWNER OR OWNER'S REPRESENTATIVE.
- NO DEVIATIONS OR SUBSTITUTIONS FROM THE PLANT SCHEDULE SHALL BE ALLOWED WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PLANT MATERIALS INCLUDING EXISTING TREES AGAINST DAMAGE DURING THE CONSTRUCTION PERIOD. PROTECTION SHALL BEGIN PRIOR TO COMMENCEMENT OF ANY WORK AND CONTINUE UNTIL FINAL ACCEPTANCE BY OWNER OR OWNER'S REPRESENTATIVE.
- ALL NEW PLANTING AREAS SHALL BE EXCAVATED TO A DEPTH THAT CONFORMS WITH THE PLANTING DETAILS (SHEET 6 OF THIS PLAN SET) AND RECEIVE NEW PLANTING SOIL.
- ALL MATERIALS REMOVED FROM SITE SHALL BE DISPOSED OF IN A LEGAL AND PROFESSIONAL MANNER.
- ALL DISTURBED AREAS SHALL BE RE-SEEDED WITHIN 15 DAYS OF DISTURBANCE OR REPLANTING AS SHOWN HEREON WITH A DROUGHT TOLERANT TURFGRASS SEED MIX (80% TALL FESCUE, 10% PERENNIAL RYE GRASS, 10% KENTUCKY BLUEGRASS) AT THE DIRECTION OF THE OWNER'S REPRESENTATIVE.
- BALLED AND BURLAPPED PLANTS MAY BE PLANTED IN THE SPRING FROM APRIL 1ST UNTIL JUNE 15TH AND IN THE FALL FROM AUGUST 15TH TO NOVEMBER 15TH.

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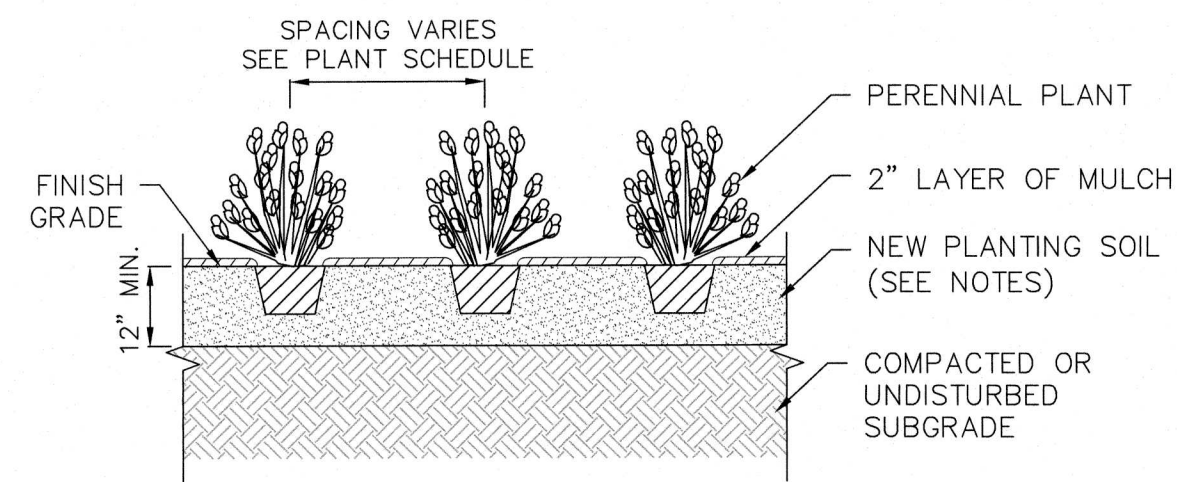
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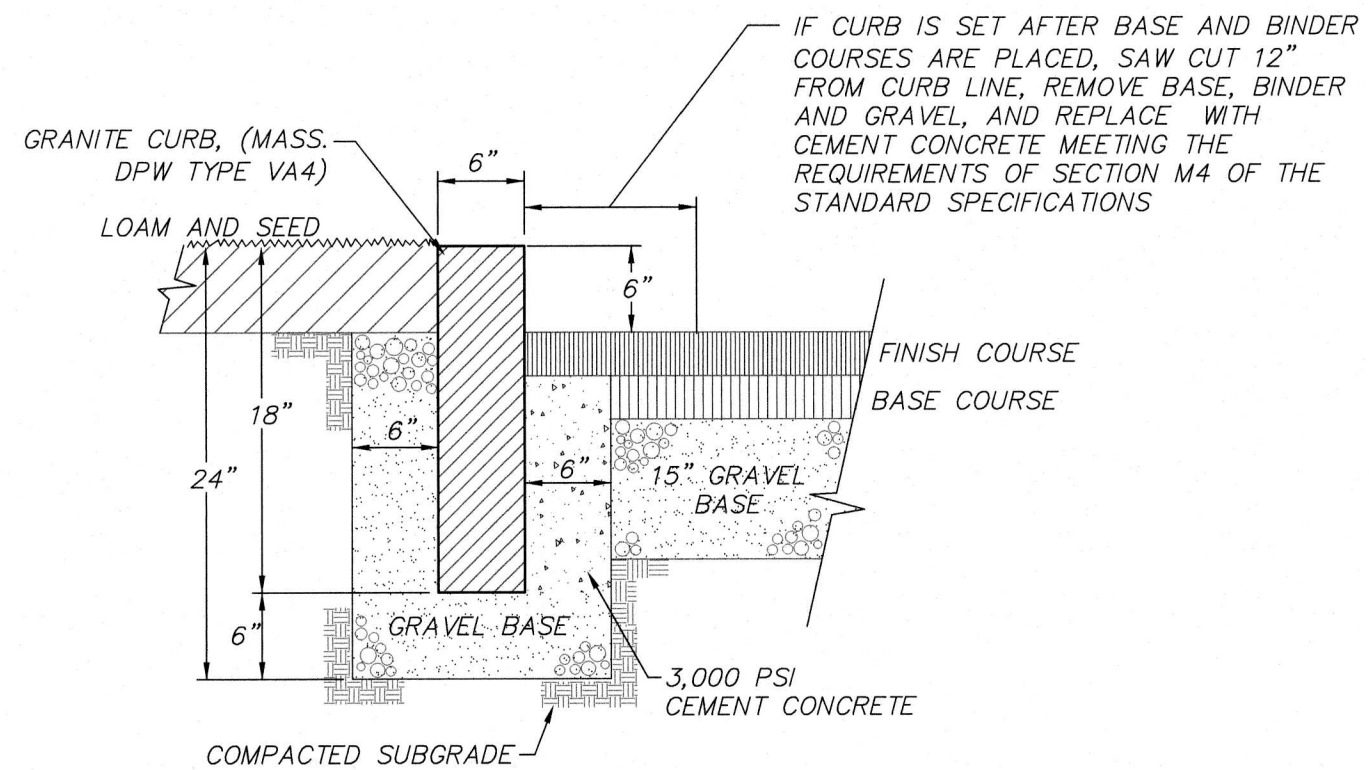
SHEET No.
 5 OF 6

PROJECT No.
 6215

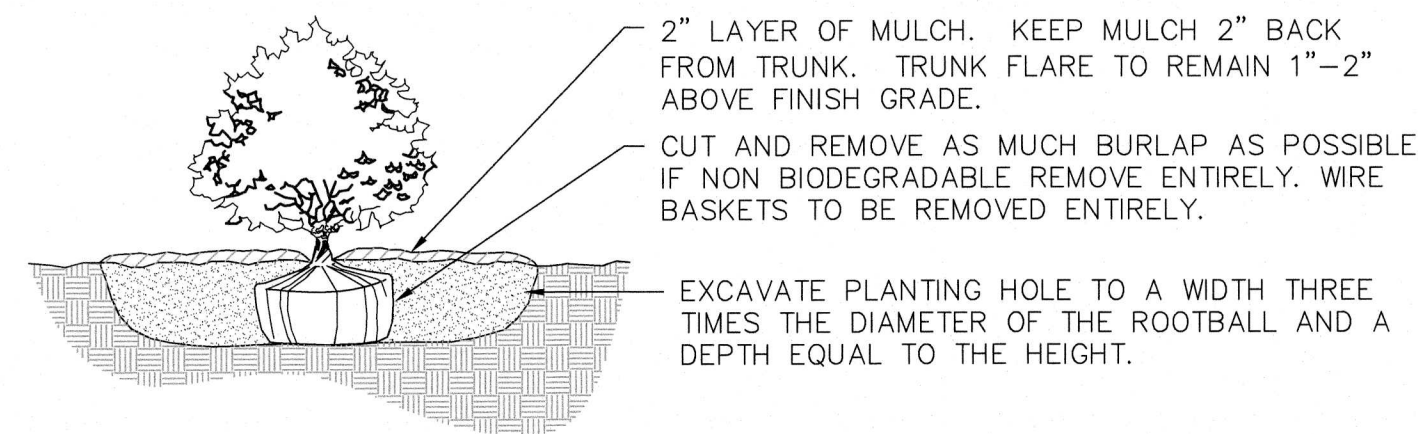


- NOTE
- SEE LANDSCAPE NOTES FOR ADDITIONAL PLANTING REQUIREMENTS.
 - SPACE PLANTS EQUALLY TO PROVIDE CONSISTENT COVER OVER INDICATED PLANTING BED.
 - ALL ROOT BALLS TO BE SCARIFIED PRIOR TO BACKFILLING.

GROUNDCOVER / ANNUAL / PERENNIAL PLANTING
(NOT TO SCALE)

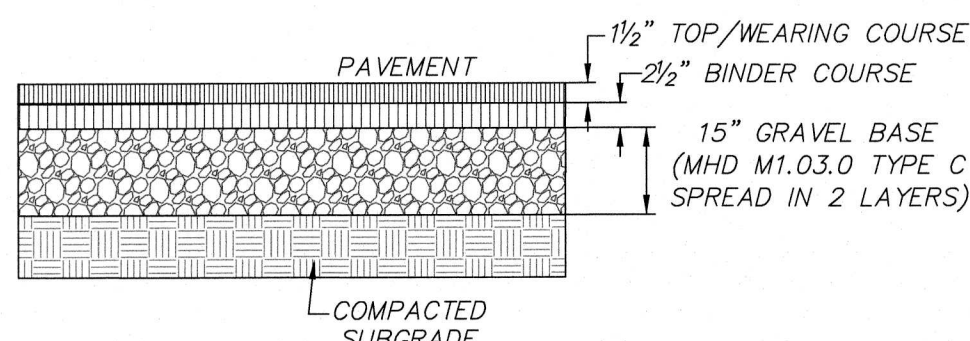


VERTICAL GRANITE CURB
(NOT TO SCALE)



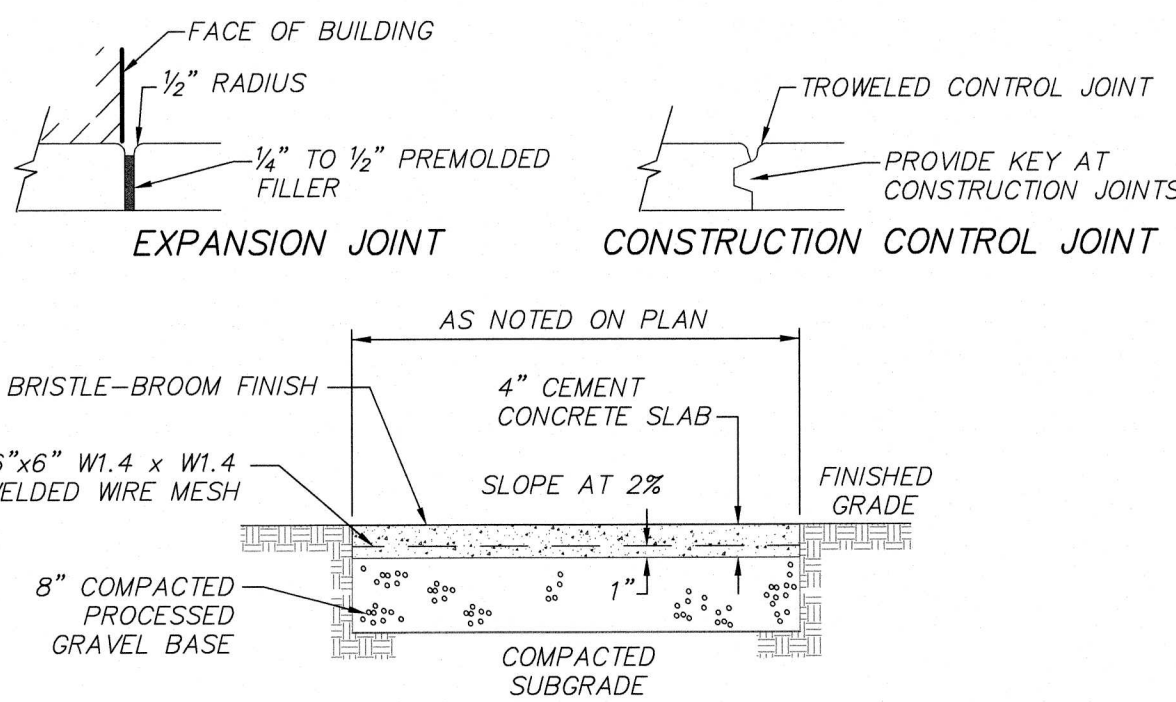
- NOTES:
- BACKFILL PLANTING HOLE WITH NEW PLANTING SOIL.
 - BACKFILL HALF THE SOIL AND WATER TO SETTLE OUT AIR POCKETS, COMPLETE BACKFILLING AND REPEAT WATERING.
 - IF ROOTS ARE CIRCLING THE ROOTBALL EXTERIOR, CUT ROOTS VERTICALLY IN SEVERAL PLACES PRIOR TO PLANTING.

SHRUB PLANTING
(NOT TO SCALE)



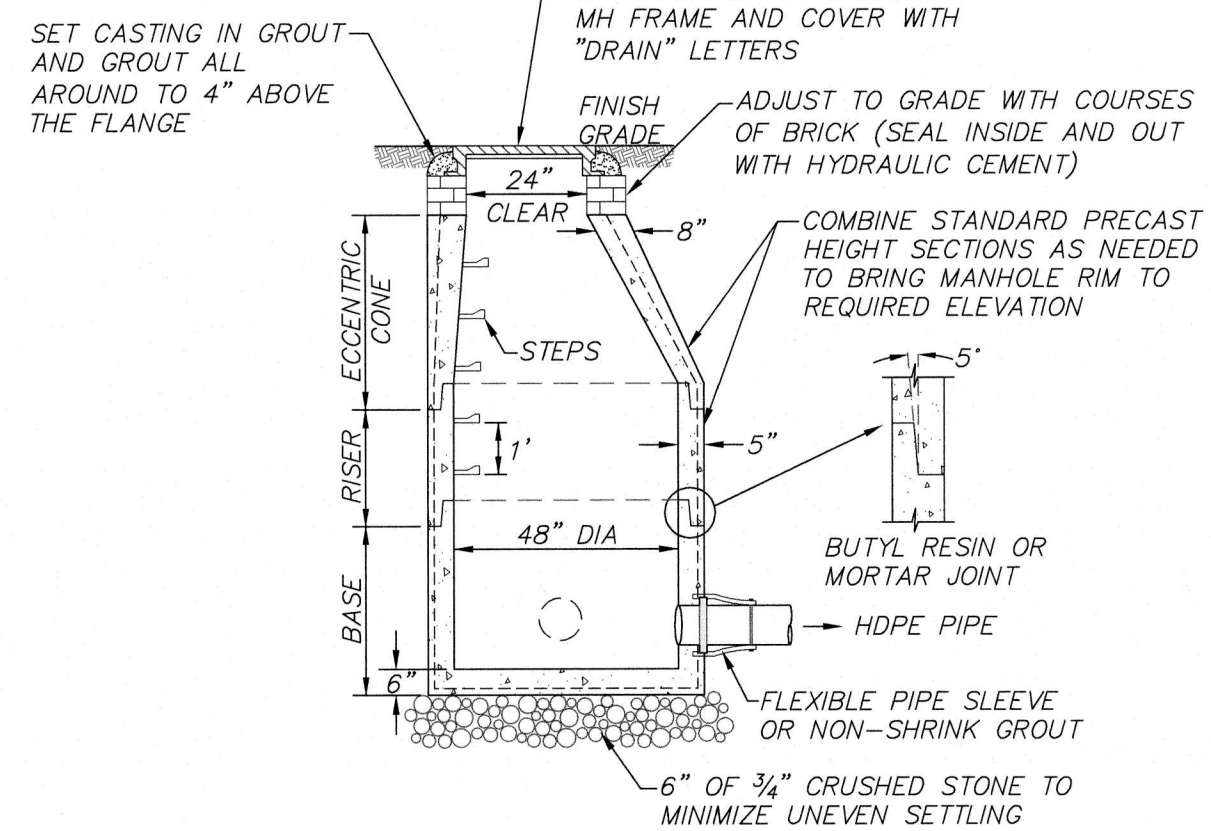
- NOTE:
- THE WEARING AND BINDER COURSES SHALL CONSIST OF CLASS 1 TYPE I-1 BITUMINOUS CONCRETE (HOT MIX ASPHALT)

BITUMINOUS CONCRETE PAVEMENT
(NOT TO SCALE)



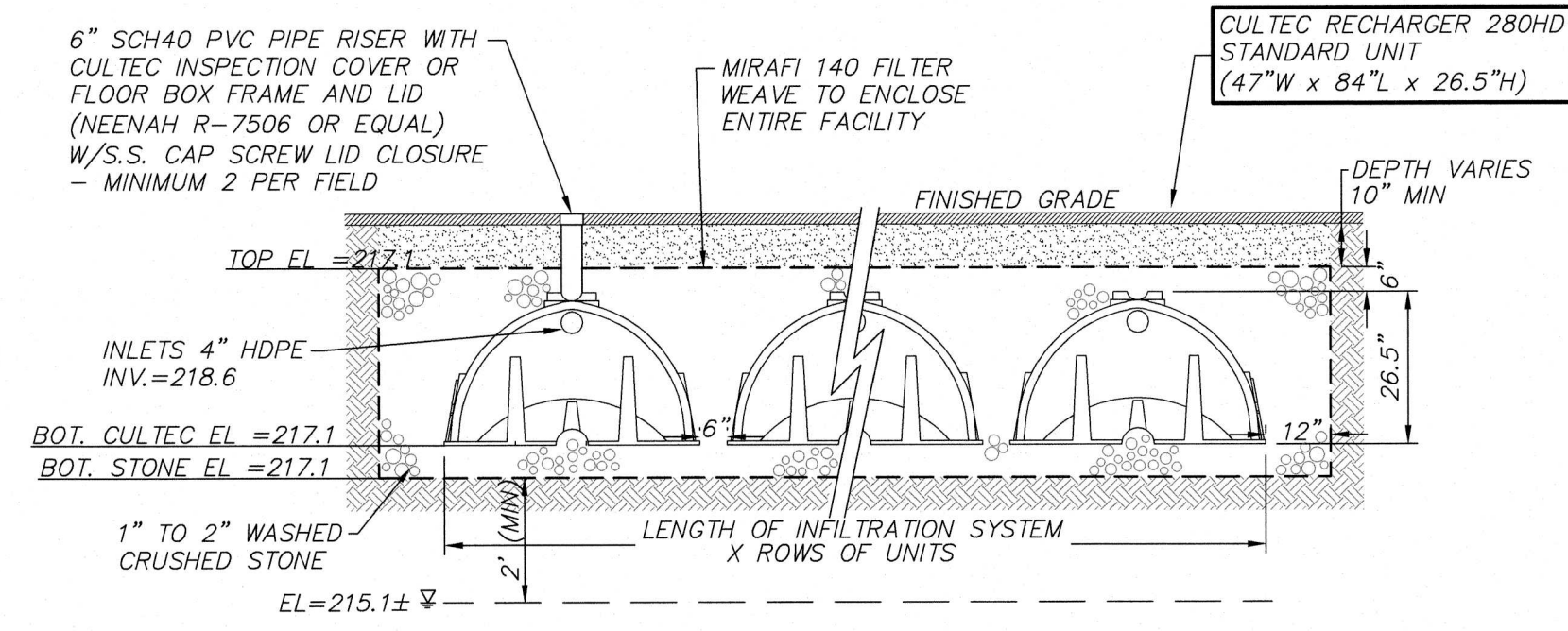
- NOTES:
- TYPICAL EXPANSION JOINT SPACING EVERY 20' O.C.
 - TYPICAL CONTROL JOINT SPACING EVERY 5' O.C.

CONCRETE WALKWAY
(NOT TO SCALE)



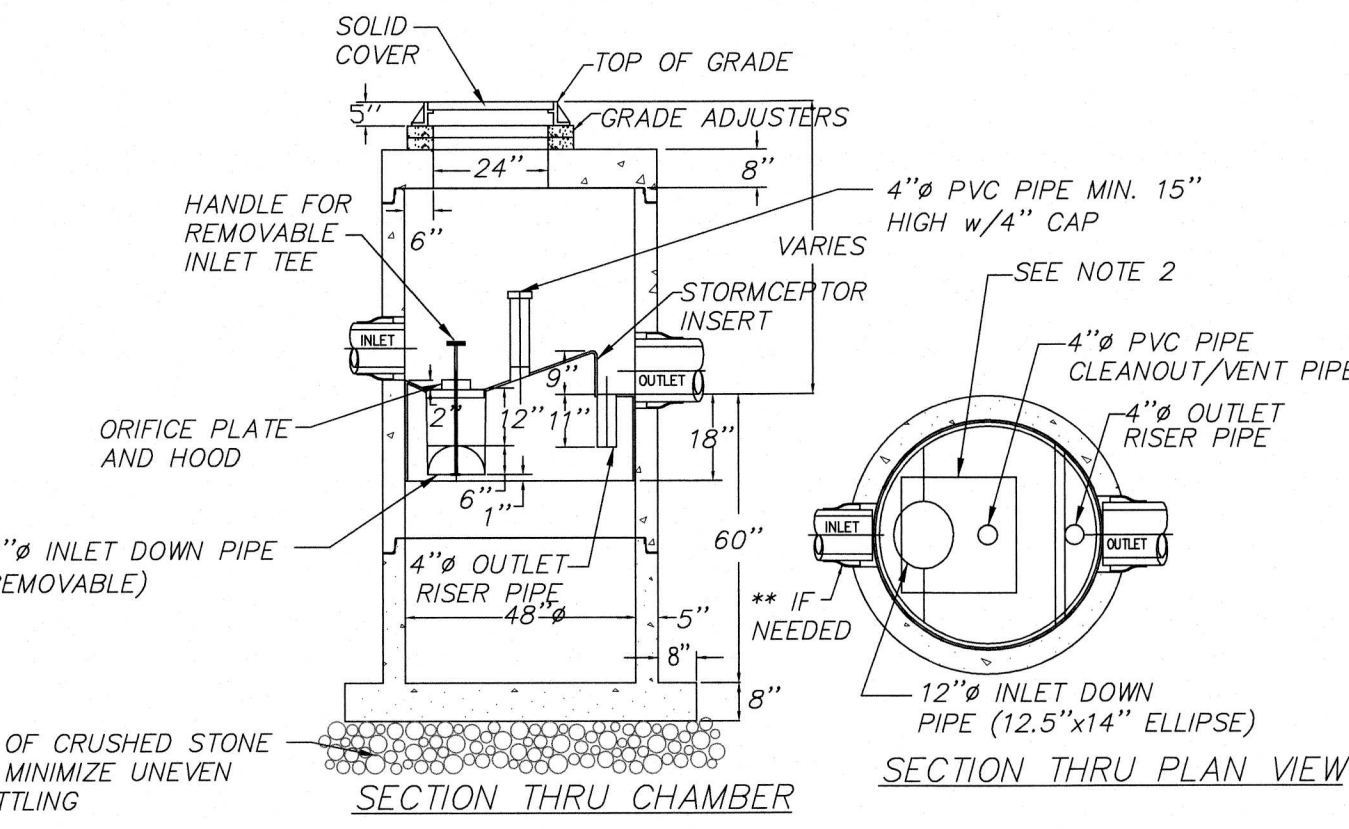
- NOTES:
- 48" DIAMETER DRAIN MANHOLE AS MANUFACTURED BY SHEA CONCRETE PRODUCTS OR EQUAL.
 - CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
 - REINFORCED STEEL CONFORMS TO LATEST ASTM A185 SPEC. 0.12 SQ IN/LINEAL FT AND 0.12 SQ IN (BOTH WAYS) BASE BOTTOM.
 - H-20 DESIGN LOADING PER AASHTO HS-20-44; ASTM C478 SPEC FOR PRECAST REINFORCED CONCRETE MANHOLE SECTIONS.
 - BUTYL RESIN JOINT CONFORMS TO LATEST ASTM C990 SPEC.
 - STEEL REINFORCED COPOLYMER POLYPROPYLENE PLASTIC STEP CONFORMS TO LATEST ASTM C478 SPEC.
 - PROVIDE EXTERIOR DAMPPROOFING AS REQUIRED.

DRAIN MANHOLE DETAIL
(NOT TO SCALE)



- NOTES:
- PROVIDE MINIMUM 2 FEET SEPARATION BETWEEN BOTTOM OF THE 6 INCH WASHED STONE LAYER AND SEASONAL HIGH GROUNDWATER TABLE.
 - REMOVE ALL TOPSOIL AND SUBSOIL IN AREA OF PROPOSED INFILTRATION FACILITY AND REPLACE WITH SAND CONFORMING TO 310 CMR 15.255(3), MASSACHUSETTS STATE ENVIRONMENTAL CODE, TITLE V.

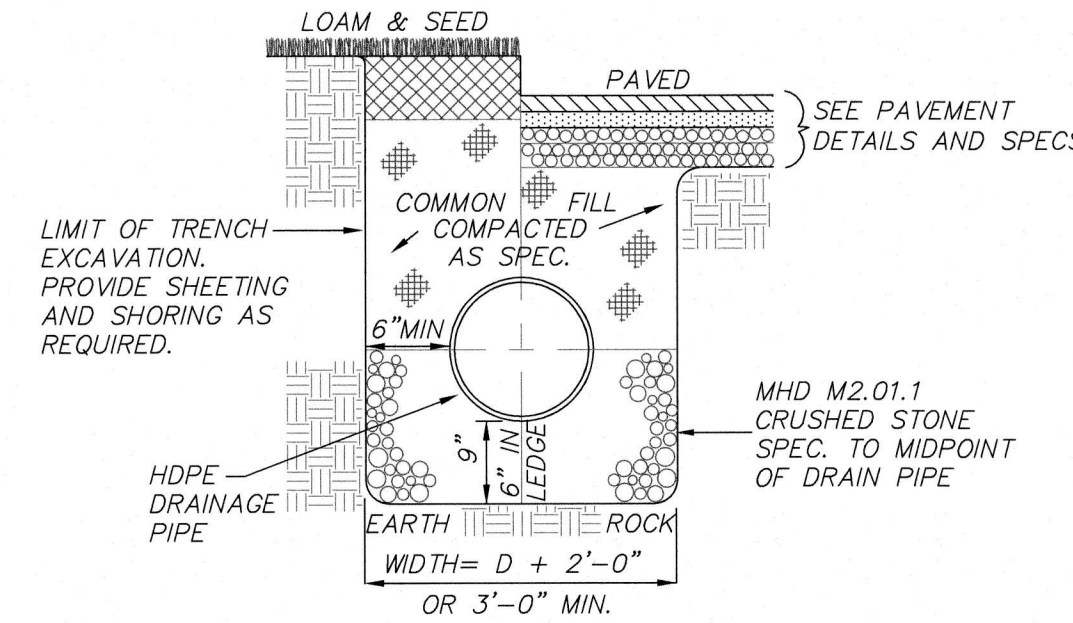
SUBSURFACE INFILTRATION FACILITY
(NOT TO SCALE)



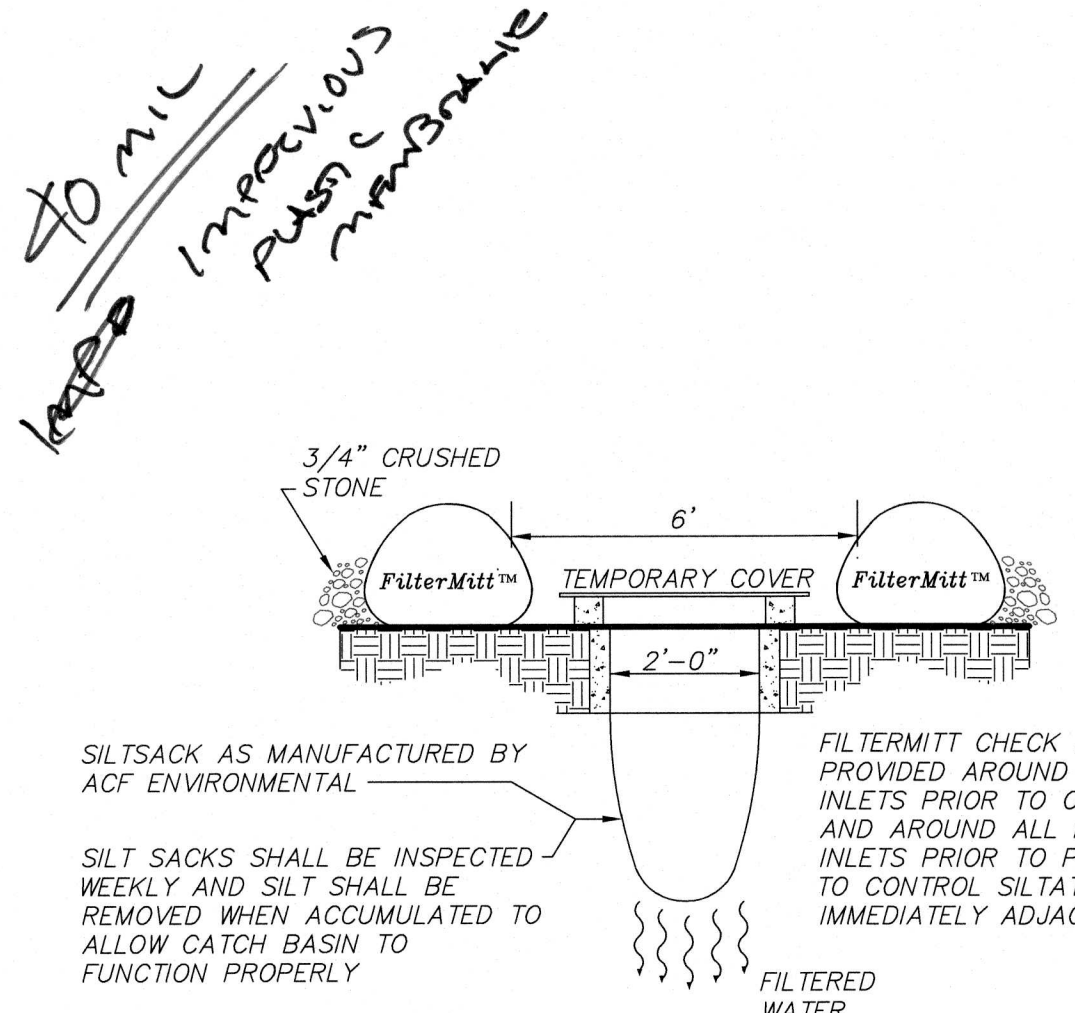
- NOTES:
- THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE OUTLET WHERE APPLICABLE.
 - THE COVER SHOULD BE POSITIONED OVER THE 4" CLEANOUT/VENT PIPE.
 - THE STORMCEPTOR SYSTEM IS PROTECTED BY ONE OR MORE OF THE FOLLOWING U.S. PATENTS: #4985148, #5498331, #5725760, #5753115, #5849181.
 - CONTRACTOR TO PROVIDE CRANE TO SET UNIT (HEAVIEST SECTION WEIGHS 5000 LB)
 - UNIT MANUFACTURED BY CSR, 712 BROADWAY, SUITE 612, KANSAS CITY, MO 64105.

STC 450i Precast Concrete Stormceptor
(450 US Gallon Capacity)

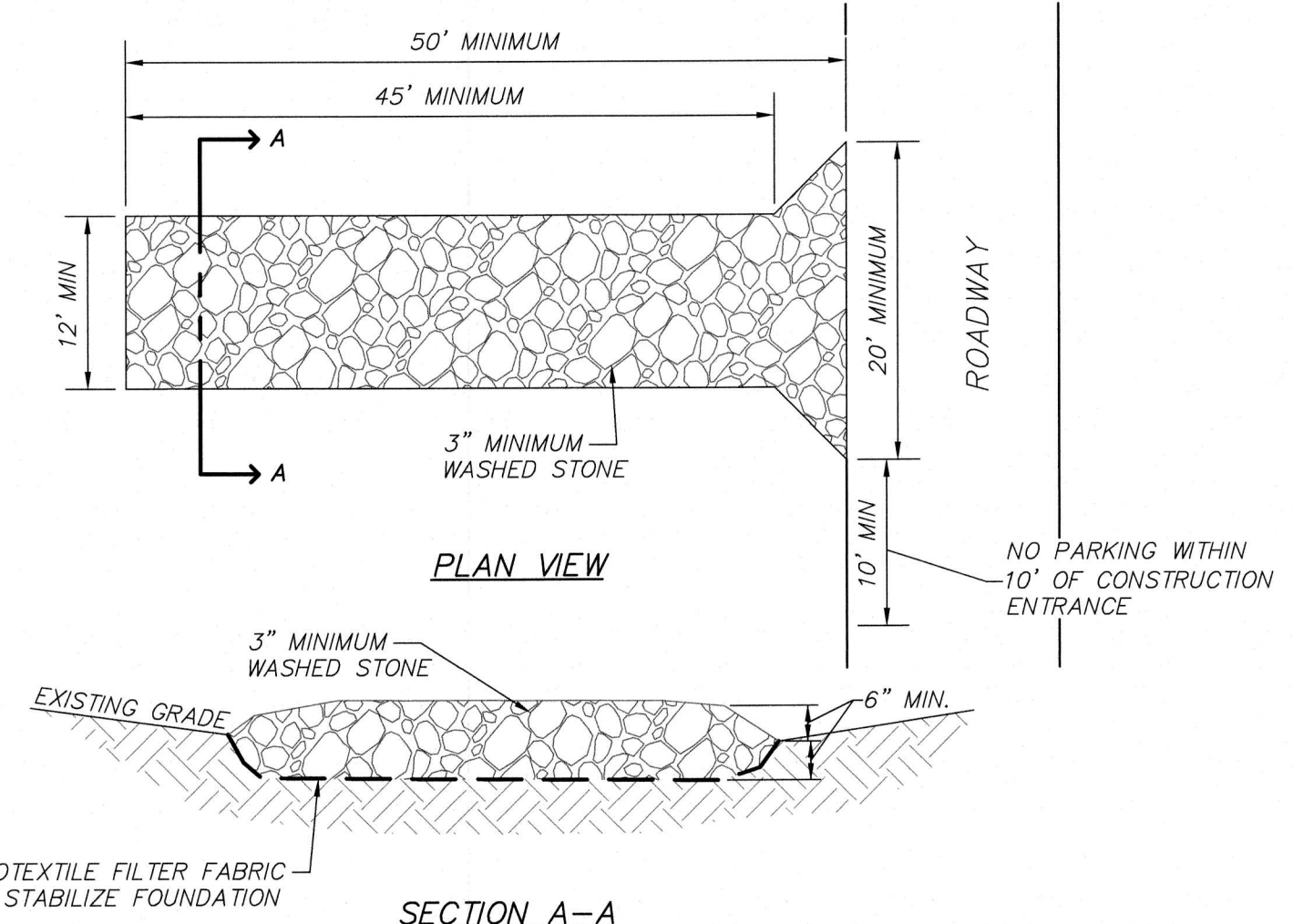
STORMCEPTOR VORTEX UNIT
(NOT TO SCALE)



DRAIN TRENCH
(NOT TO SCALE)

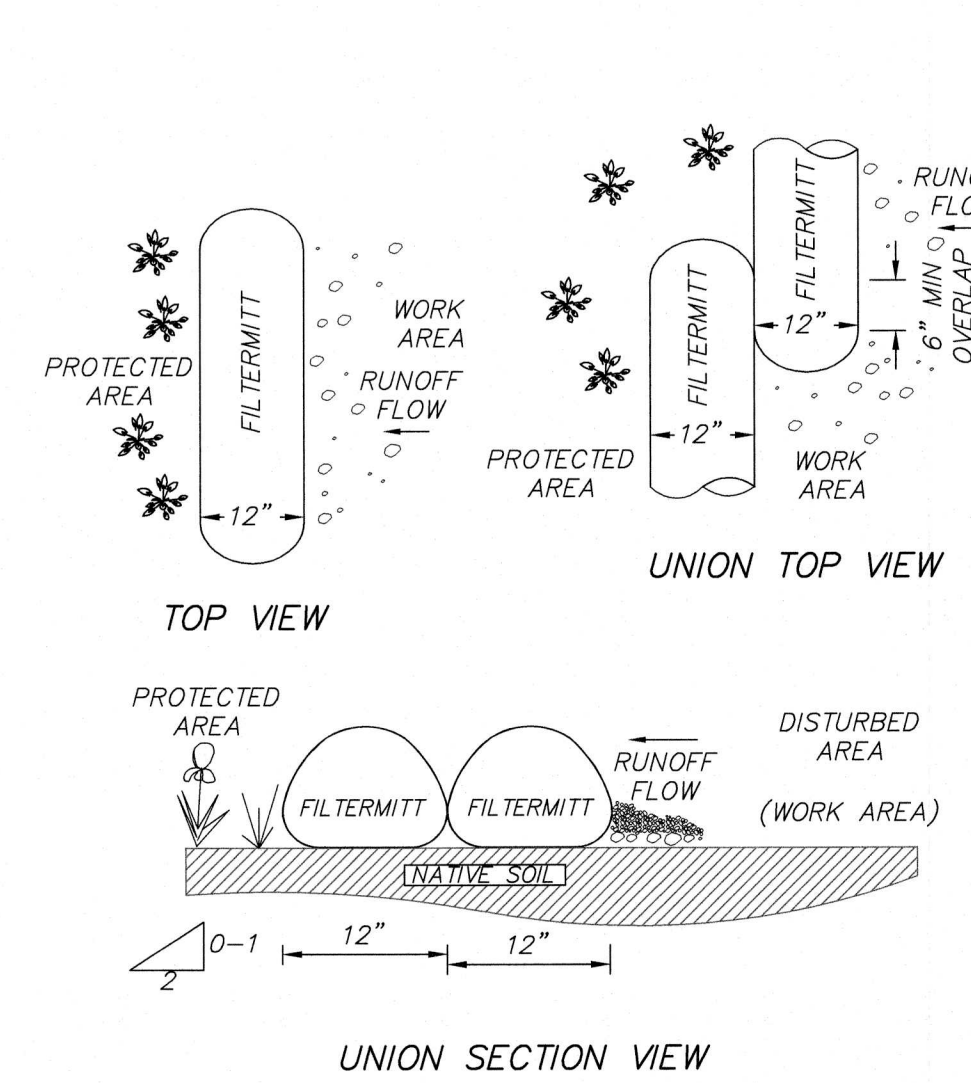


CATCH BASIN FILTER DETAIL
(NOT TO SCALE)

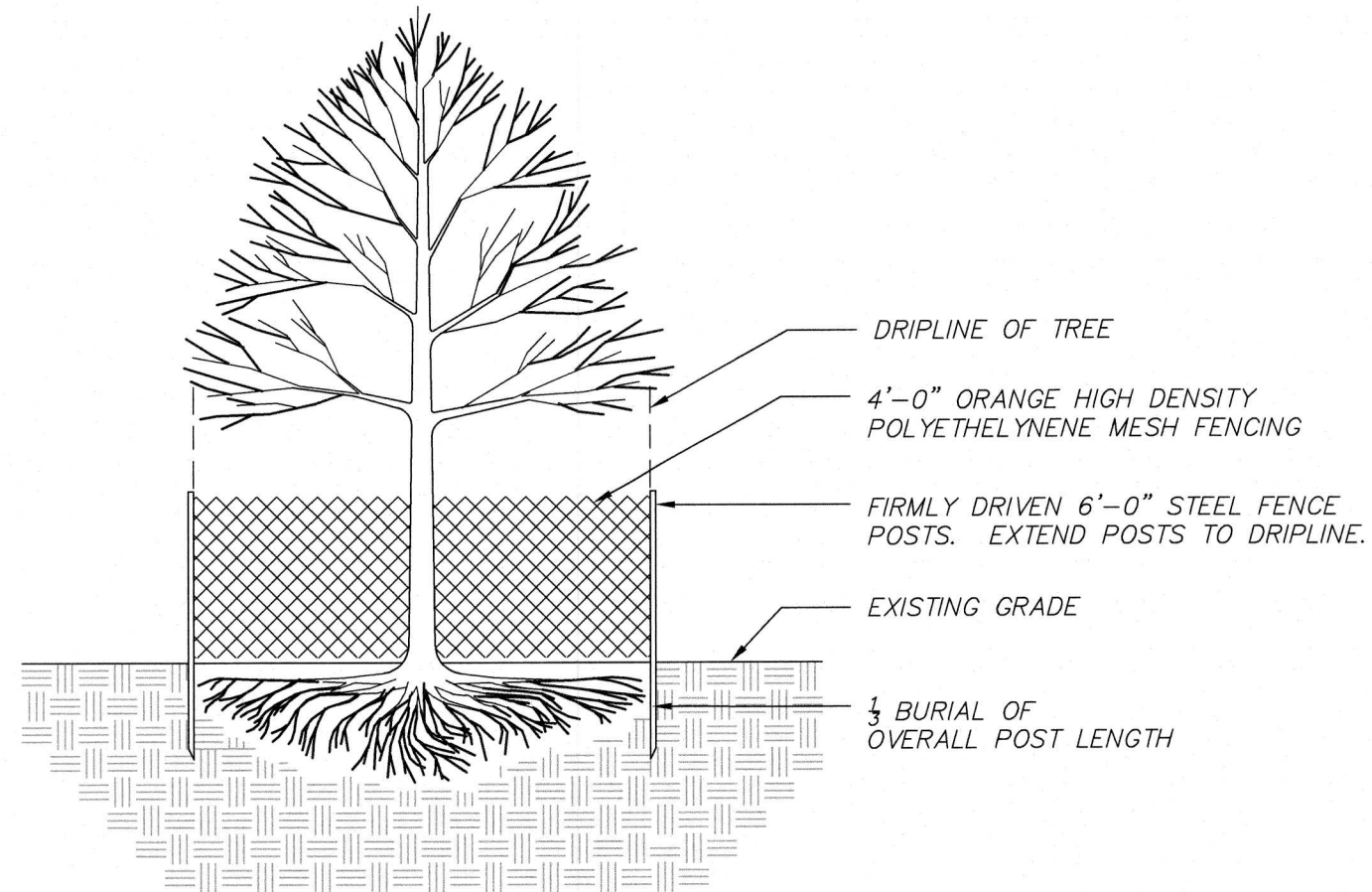


TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
(NOT TO SCALE)

APPROVED BY PLANNING BOARD:



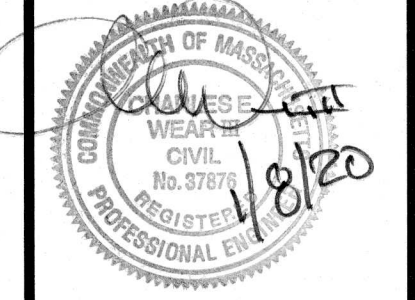
EROSION CONTROL SOCK - FILTERMITT DETAIL
(NOT TO SCALE)



TREE PROTECTION
(NOT TO SCALE)

- NOTE
- ALL TREES >3" DBH WITHIN THE LIMIT OF WORK TO RECEIVE TREE PROTECTION PRIOR TO THE START OF CONSTRUCTION ACTIVITIES.

REVISIONS	DATE	DESCRIPTION



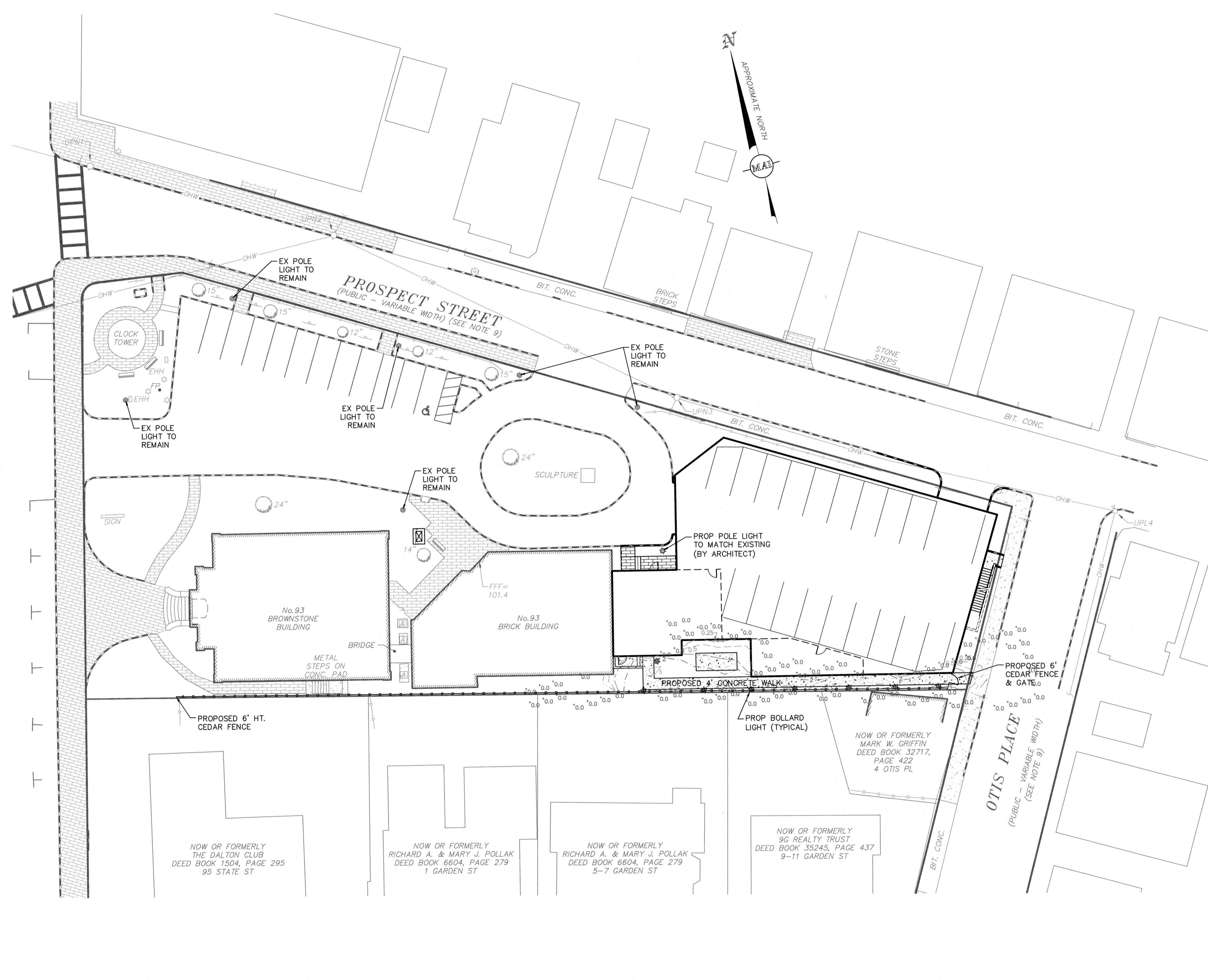
93 STATE STREET
SITE DETAILS
LOCATED IN
NEWBURYPORT, MASSACHUSETTS
(ESSEX COUNTY)
PREPARED FOR
INSTITUTION FOR SAVINGS

MERIDIAN ASSOCIATES
60 N. STATE STREET, SUITE 303
BOSTON, MASSACHUSETTS 02111
TELEPHONE: (617) 299-0447
WWW.MERIDIANASSOC.COM

CHECKED BY:

DATE: JANUARY 8, 2020
SCALE: AS NOTED
SHEET No. 6 of 6
PROJECT No. 6215

FOR PERMITTING ONLY
NOT FOR CONSTRUCTION



- LIGHTING NOTES:**
1. THE SOLE PURPOSE OF THIS PLAN IS TO DEPICT THE PHOTOMETRICS OF THE PROPOSED BOLLARD LIGHTS ALONG THE PROPOSED SOUTHERN WALKWAY.
 2. BOLLARD LIGHT SELECTION AND DETAIL PROVIDED BY THE ARCHITECT.
 3. EXISTING POLE LIGHTS WITHIN THE EXISTING PARKING LOT SHALL REMAIN AS NOTED. ONE NEW POLE LIGHT IS PROPOSED AT THE ENTRY OF THE ADDITION AND SHALL MATCH THE EXISTING LIGHTING IN THE PARKING LOT. POLE LIGHT TO BE DETERMINED BY ARCHITECT.

PROPOSED LIGHTING LEGEND

☆	EXISTING POLE LIGHT
☆	PROPOSED POLE LIGHT
☆	PROPOSED BOLLARD LIGHT
---	PROPOSED 5 FC CONTOUR
---	PROPOSED 2 FC CONTOUR
---	PROPOSED 1 FC CONTOUR
---	PROPOSED 0.5 FC CONTOUR
---	PROPOSED 0.25 FC CONTOUR
FC	PROPOSED FOOTCANDLE
*0.0	PROPOSED ZERO FOOTCANDLE SPOT

BRA SERIES-LED

SPECIFICATIONS

INSTALLATION

OPTICS

INTERNAL LOUVER SUPPLIED WITH CLEAR POLYCARBONATE LENS	IL	VPA - Vertical Array BRA6 Available in: 36 LED Max BRA6 Available in: 24 LED Max
CAST LOUVER	CL	
OPAL POLYCARBONATE	WA	
PARABOLIC REFLECTOR	PR	RADIAL LED Module BRA6 Available in: 18 LED Module BRA6 Available in: 12 LED Module

Spec/Order Example: BRA6-TR/12LED120WW/RAL-8019-T/HSW

ORDERING INFORMATION

BOLLARD	OPTICS	# of LEDs	COLOR	VOLTAGE	MOUNTING	FINISH	OPTIONS
<input checked="" type="checkbox"/> BRA6-LED	VERTICAL POWER ARRAY	# of LEDs	COLOR	VOLTAGE	MOUNTING	FINISH	OPTIONS
<input type="checkbox"/> BRA6-LED	INTERNAL LOUVER IL	<input checked="" type="checkbox"/> 36LED	<input checked="" type="checkbox"/> WW (5000K) Standard	<input checked="" type="checkbox"/> 120V	<input checked="" type="checkbox"/> GROUND INSTALLATION (STANDARD)	<input checked="" type="checkbox"/> BLACK RAL-9005-T	<input type="checkbox"/> DIMMABLE DRIVER (3-10V PROVIDED)
	CAST LOUVER CL	<input type="checkbox"/> 24LED	<input type="checkbox"/> CW (5000K)	<input type="checkbox"/> 240V	<input type="checkbox"/> WALL MOUNT	<input type="checkbox"/> WHITE RAL-9003-T	<input type="checkbox"/> HIGH-LOW DIMMING FOR MICROINTEGRATED MICRON SENSOR
	OPAL POLYCARBONATE WP		<input checked="" type="checkbox"/> WW (3000K) ORDERLED COLORS AVAILABLE CONTACT FACTORY	<input type="checkbox"/> 347V	<input type="checkbox"/> WALL MOUNT	<input type="checkbox"/> GREY RAL-7004-T	<input type="checkbox"/> INTERNAL HOUSE SIDE SHIELD
	RADIAL LED MODULE			<input type="checkbox"/> 480V	<input type="checkbox"/> WALL MOUNT	<input type="checkbox"/> DARK BRONZE RAL-7004-T	<input type="checkbox"/> DUP
	PARABOLIC REFLECTOR PR	<input type="checkbox"/> 18LED		<input type="checkbox"/> 120V	<input type="checkbox"/> WALL MOUNT	<input type="checkbox"/> GREEN RAL-6005-T	<input type="checkbox"/> GROUND FAULT RECEPTACLE
		<input type="checkbox"/> 24LED		<input type="checkbox"/> 208V	<input type="checkbox"/> WALL MOUNT		<input type="checkbox"/> SURGE PROTECTOR
		<input type="checkbox"/> 36LED		<input type="checkbox"/> 240V	<input type="checkbox"/> WALL MOUNT		<input type="checkbox"/> 20KV SURGE PROTECTOR
		<input type="checkbox"/> 48LED		<input type="checkbox"/> 277V	<input type="checkbox"/> WALL MOUNT		<input type="checkbox"/> 20KV SURGE PROTECTOR
		<input type="checkbox"/> 72LED		<input type="checkbox"/> 347V	<input type="checkbox"/> WALL MOUNT		<input type="checkbox"/> 20KV SURGE PROTECTOR
		<input type="checkbox"/> 108LED		<input type="checkbox"/> 480V	<input type="checkbox"/> WALL MOUNT		<input type="checkbox"/> 20KV SURGE PROTECTOR

NOTE: 1. AVAILABLE IN BROWN ONLY 2. AVAILABLE IN BROWN ONLY

FOR SMOOTH FINISH REPLACE SUFFIX "T" WITH SUFFIX "S" (EXAMPLE: RAL-9005-S)

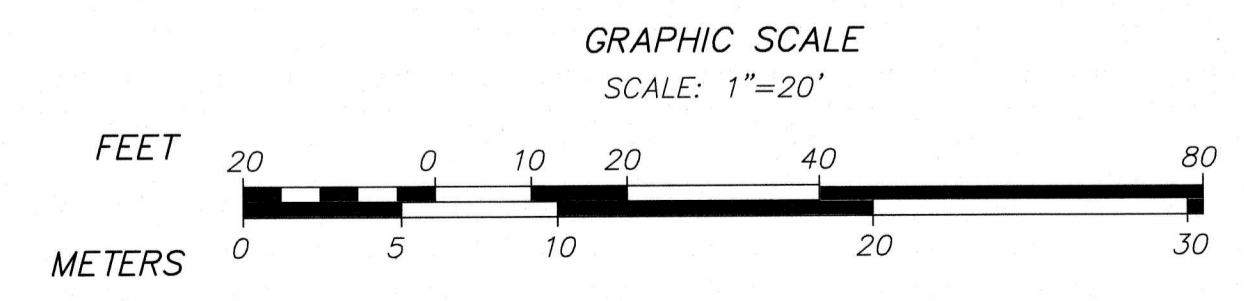
SEE USABLE COAT FOR ADDITIONAL COLORS

U.S. Architectural Lighting

800 West Avenue, O'Fallon, IL 60456
Phone: (815) 233-2000 Fax: (815) 233-2001
www.usalighting.com

U.S. ARCHITECTURAL LIGHTING

RECORD OWNER:
INSTITUTION FOR SAVINGS IN
NEWBURYPORT AND ITS VICINITY
93 STATE STREET
NEWBURYPORT, MASSACHUSETTS 01950



REVISIONS

NO.	DATE	DESCRIPTION

**93 STATE STREET
BOLLARD PHOTOMETRIC PLAN
LOCATED IN
NEWBURYPORT, MASSACHUSETTS
(ESSEX COUNTY)
PREPARED FOR
INSTITUTION FOR SAVINGS**

MERIDIAN ASSOCIATES
500 CUMMINGS CENTER SUITE 5950
WESTBOROUGH, MASSACHUSETTS 01581
TELEPHONE: (978) 299-0447
WWW.MERIDIANASSOC.COM

CHECKED BY: _____
DESIGNED BY: _____

DATE: JANUARY 8, 2020

SCALE: 1" = 20'

SHEET No. 1 of 1

PROJECT No. 6215

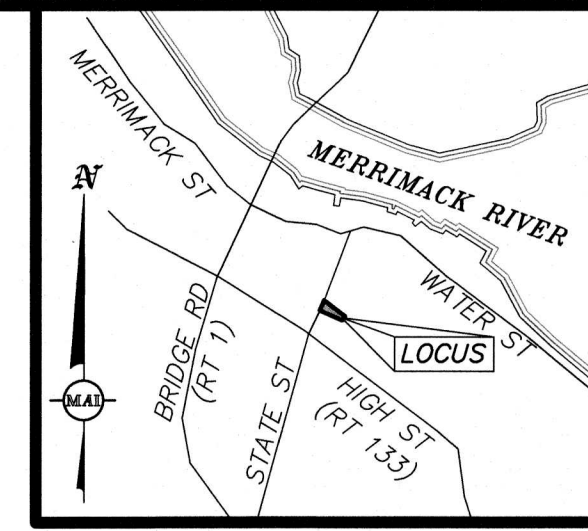
(XREF: 6215_REC/6215_SITE)
DWG. No. 6215_PHOTOMETRIC.DWG

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TEMPORARY BENCHMARK CHART:

T.B.M.#	DESCRIPTION	ELEVATION
1	X-CUT RIGHT FRONT CAP BOLT HYDRANT, 2.8' A.G.	102.30
2	TOP OF GRANITE POST, 3.5' A.G.	107.26

(SEE NOTE 6)



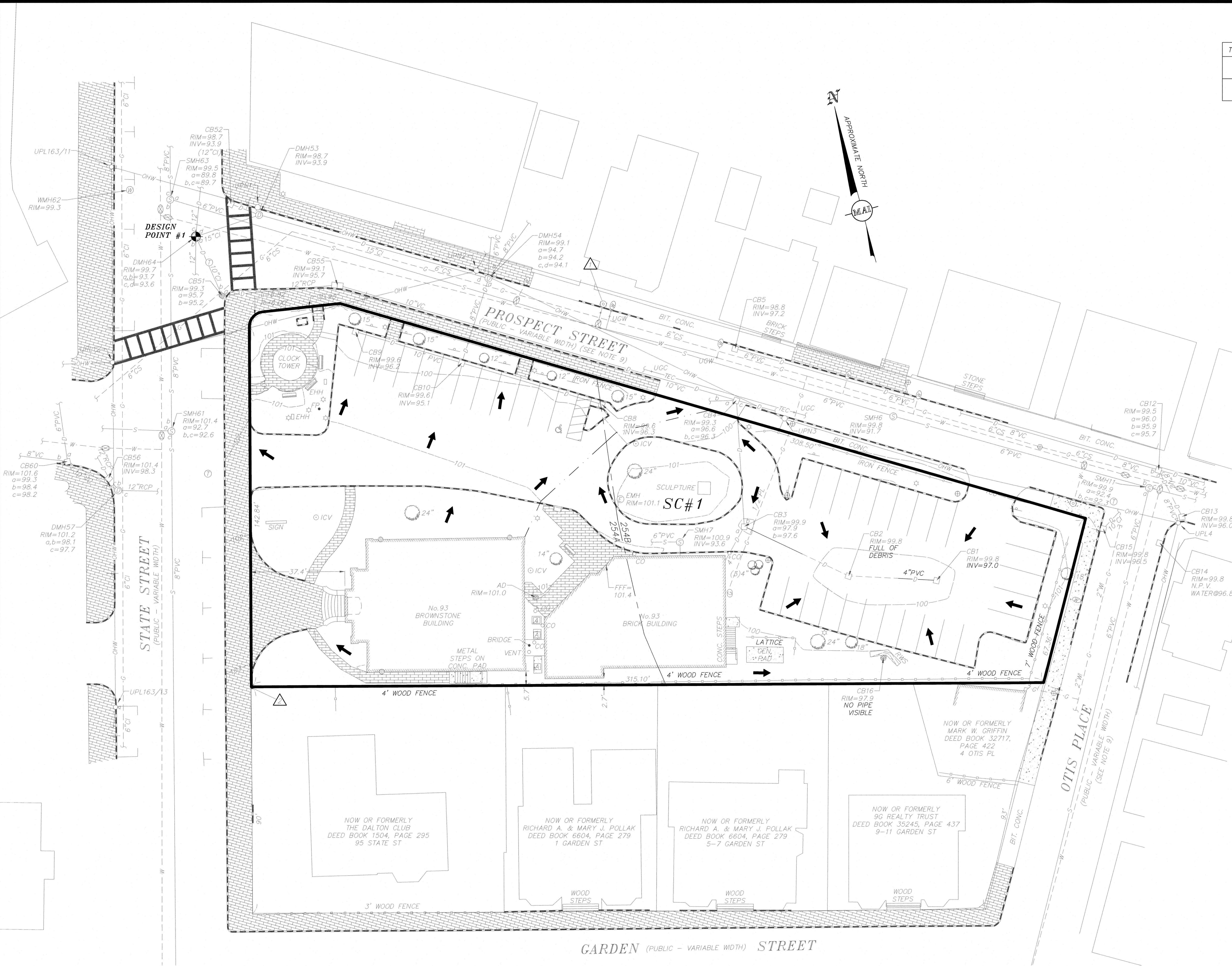
LOCUS MAP:
(NOT TO SCALE)

LEGEND

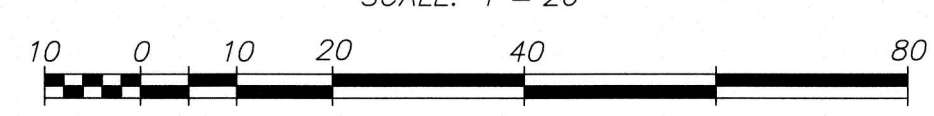
- SUBCATCHMENT LIMIT
- SUBCATCHMENT LABEL
- STUDY POINT #1 (DESIGN POINT)
- OVERLAND FLOW DIRECTION
- SOIL TYPE
- SOIL TYPE DELINEATION LINE
- HYDROLOGIC SOIL GROUP
- HYDROLOGIC FLOW PATH

NOTES:

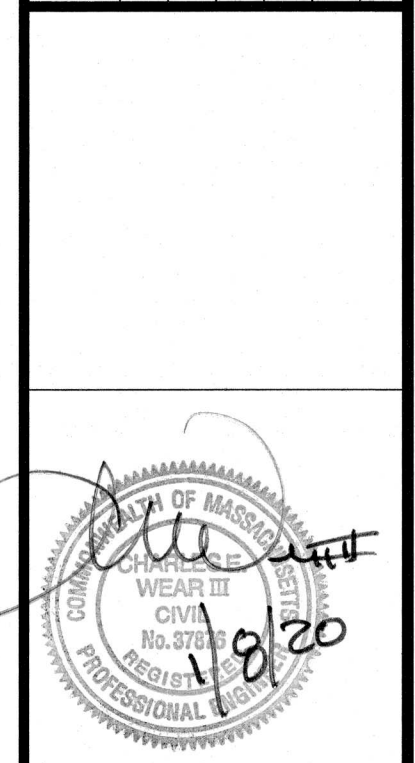
- LOCATIONS AND TYPES OF SOIL DESIGNATIONS WITHIN THE LOCUS PROPERTY SUBCATCHMENT LIMITS HAVE BEEN DELINEATED BY USDA NATURAL RESOURCES CONSERVATION SERVICE (NRCS).
- BASED ON NRCS, THE SOIL TYPES ARE ASSOCIATED WITH THE FOLLOWING HYDROLOGIC SOIL GROUPS (HSG):
254A - MERRIMAC FINE SANDY LOAM (0-3% SLOPE) - HSG A
254B - MERRIMAC FINE SANDY LOAM (3-8% SLOPE) - HSG A



GRAPHIC SCALE
SCALE: 1"=20'



REVISIONS	DATE	DESCRIPTION	BY



93 STATE STREET
EXISTING CONDITION WATERSHED
LOCATED IN
NEWBURYPORT MASSACHUSETTS
(ESSEX COUNTY)
PREPARED FOR
INSTITUTION FOR SAVINGS

MERIDIAN ASSOCIATES
500 CUMMINGS CENTER, SUITE 5950
BEVERLY, MASSACHUSETTS 01915
TELEPHONE: (978) 299-0447
WWW.MERIDIANASSOC.COM

69 MILK STREET, SUITE 302
WESTBOROUGH, MASSACHUSETTS 01581
TELEPHONE: (508) 871-7030
WWW.MERIDIANASSOC.COM

DESIGNED BY: _____
CHECKED BY: _____

DATE:
JANUARY 8, 2020

SCALE:
1"=20'

SHEET No.
1 OF 2

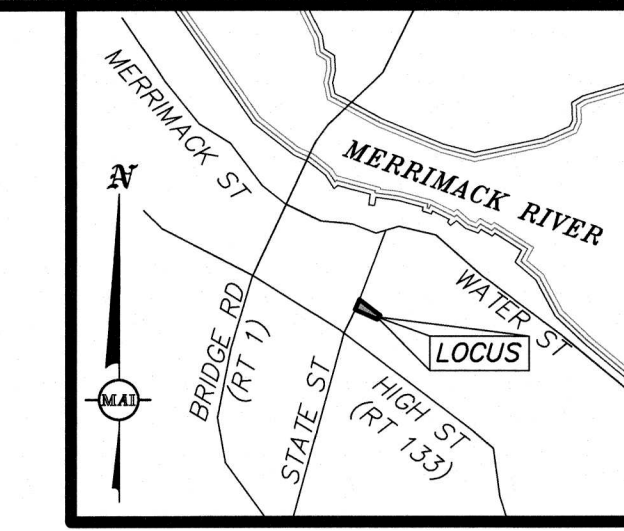
PROJECT No.
6215

(XREF: 6215_REC)
DWG. No. 6215_PRE.DWG

TEMPORARY BENCHMARK CHART:

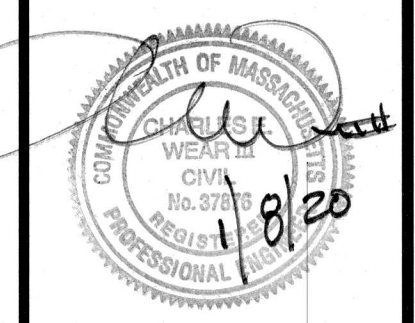
T.B.M.#	DESCRIPTION	ELEVATION
1	X-CUT RIGHT FRONT CAP BOLT HYDRANT, 2.8' A.G.	102.30
2	TOP OF GRANITE POST	107.26

(SEE NOTE 6 SHEET 2)



LOCUS MAP:
(NOT TO SCALE)

REVISIONS	DATE	DESCRIPTION	BY



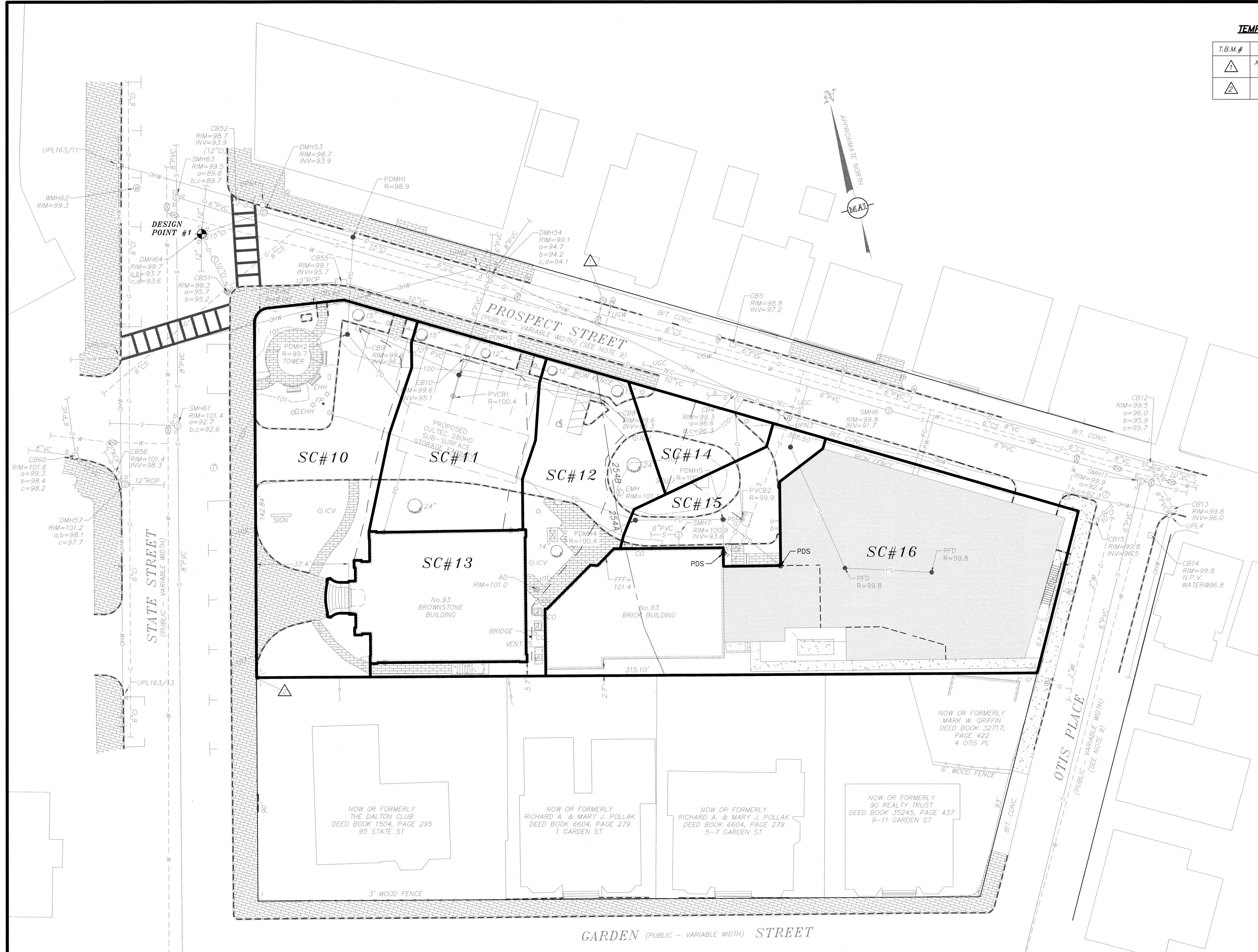
93 STATE STREET
POST CONSTRUCTION WATERSHED
LOCATED IN
NEWBURYPORT MASSACHUSETTS
(ESSEX COUNTY)
PREPARED FOR
INSTITUTION FOR SAVINGS

MERIDIAN ASSOCIATES
500 CUMMINGS CENTER SUITE 5950
BEVERLY, MASSACHUSETTS 01915
TELEPHONE: (978) 299-0447
WWW.MERIDIANASSOC.COM

69 MILK STREET, SUITE 302
WESTBOROUGH, MASSACHUSETTS 01581
TELEPHONE: (508) 871-7030
WWW.MERIDIANASSOC.COM

CHECKED BY: _____
DESIGNED BY: _____

DATE: JANUARY 8, 2020
SCALE: 1"=20'
SHEET No. 2 OF 2
PROJECT No. 6215



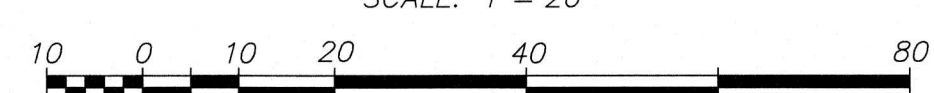
LEGEND

- SUBCATCHMENT LIMIT
- SUBCATCHMENT LABEL
- STUDY POINT #1 (DESIGN POINT)
- SOIL TYPE
- SOIL TYPE DELINEATION LINE
- HSG
- HYDROLOGIC SOIL GROUP
- HYDROLOGIC FLOW PATH

NOTES:

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254A - MERRIMAC FINE SANDY LOAM (0-3% SLOPE) - HSG A
254B - MERRIMAC FINE SANDY LOAM (3-8% SLOPE) - HSG A

GRAPHIC SCALE
SCALE: 1"=20'



FOR PERMITTING ONLY
NOT FOR CONSTRUCTION