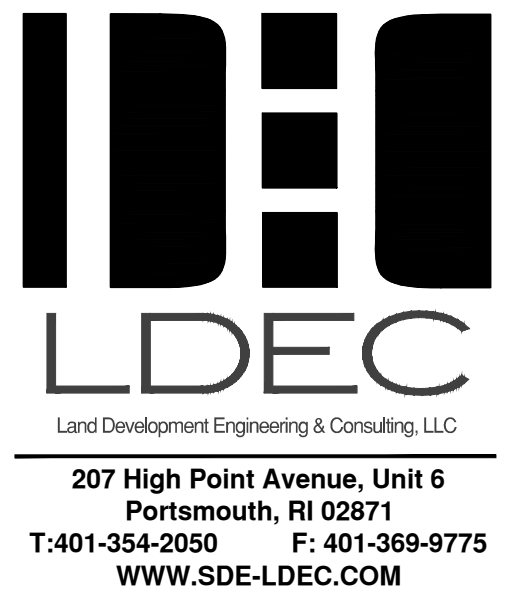


SITE REDEVELOPMENT PLANS CENTREVILLE BANK

160 EAST MAIN ROAD
ASSESSORS MAP 107SE, PARCEL 72

Middletown , Rhode Island

AUGUST 8, 2024



NO.	DATE	DESCRIPTION	APPROVED

PLAN REVISIONS

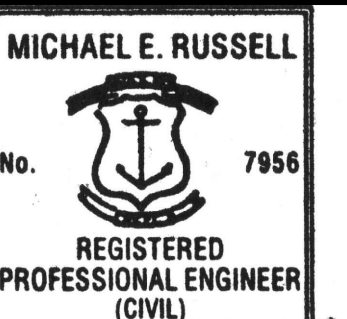
DATE: AUGUST 8, 2024

DRAWN BY: SJE COMPS. BY: SJE CHECK BY: MER

PROJECT NO. 22133

ISSUED FOR: PERMITTING

PERMITTING



Michael E. Russell

SITE REDEVELOPMENT PLANS

160 EAST MAIN ROAD
MIDDLETOWN, RHODE ISLAND
ASSESSORS MAP 107SE, PARCEL 72

PREPARED FOR
160 EAST MAIN ROAD, LLC

DRAWING TITLE:

COVER SHEET

SCALE: N.T.S.

SHEET NO.

1 OF 9

PLAN INDEX

TITLE	SHEET NO.
COVER SHEET	1
EXISTING CONDITIONS PLAN	2
SITE LAYOUT PLAN	3
GRADING & DRAINAGE PLAN	4
EROSION CONTROL PLAN	5
UTILITY PLAN	6
LANDSCAPING PLAN	7
LIGHTING PLAN	8
CONSTRUCTION DETAILS	9



LOCUS MAP

CIVIL ENGINEER

LAND DEVELOPMENT ENGINEERING & CONSULTING, LLC.
207 HIGH POINT AVENUE, UNIT 6
PORTSMOUTH, RI 02871
(401) 354-2050

SURVEYOR OF RECORD

LAND DEVELOPMENT ENGINEERING & CONSULTING, LLC.
207 HIGH POINT AVENUE, UNIT 6
PORTSMOUTH, RI 02871
(401) 354-2050

ARCHITECT

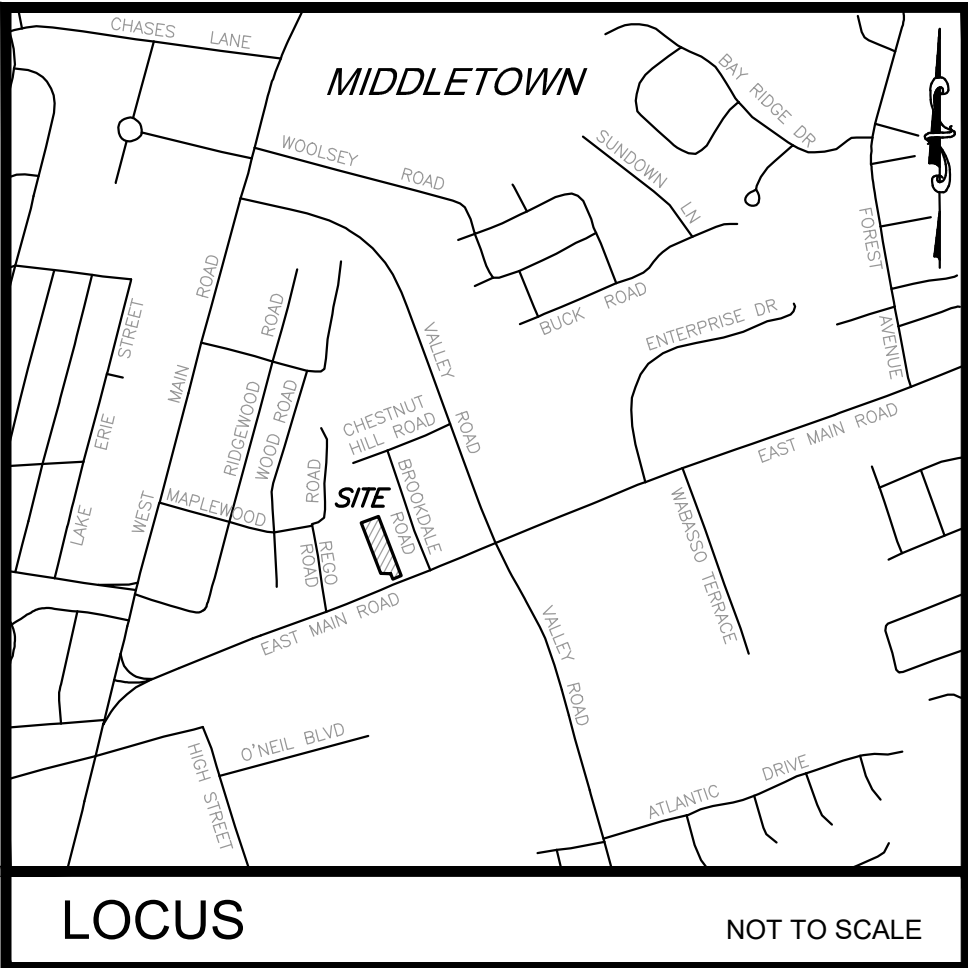
CORDTSEN DESIGN ARCHITECTURE
42 WEST MAIN ROAD
MIDDLETOWN, RI 02842
(401) 619-4689

LANDSCAPE ARCHITECT

VERDE DESIGN + HORTICULTURE
89 DR. MARCUS WHEATLAND BLVD.
NEWPORT, RI 02840
(401) 619-0562

PERMIT REFERENCES

DOT APPROVAL:
PHYSICAL ALTERATIONS PERMIT APPLICATION# 23-143
RIDEM APPROVAL:
FWW# 23-0255



LOCUS
NOT TO SCALE

LEGEND

○	BOLLARD
□	CATCH BASIN
⊙	ELECTRIC MANHOLE
⊕	DRAIN MANHOLE
—x—	FENCE (CHAIN LINK)
—o—	FENCE (WOOD)
⊗	GAS GATE
⊗	GAS SERVICE
⊙	MANHOLE
⊕	MONITORING WELL
⊙	SEWER MANHOLE
—S—	SEWER MAIN
x	SPOT ELEVATION
SB/DH	STONE BOUND W/DRILL HOLE
⊕	TRAFFIC SIGNAL POLE
⊙	TREE
⊕	UTILITY POLE
⊗	WATER GATE
—W—	WATER SERVICE

- NOTES:**
- EXISTING CONDITIONS INFORMATION WAS COMPILED FROM AN ON THE GROUND SURVEY PERFORMED BY LAND DEVELOPMENT ENGINEERING & CONSULTING, LLC BETWEEN FEBRUARY 27, 2023 AND MARCH 16, 2023.
 - ELEVATIONS ARE REFERENCED TO NAVD88.
 - THE SITE IS PARTIALLY LOCATED WITHIN A 0.2% ANNUAL CHANGE FLOOD HAZARD AREA AS DETERMINED FROM THE TOWN OF MIDDLETOWN FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 445401 0093 J (MAP REVISED SEPTEMBER 4, 2013).
 - THIS PLAN AND ANY ACCOMPANYING CERTIFICATIONS DO NOT CONSTITUTE A CERTIFICATION OF TITLE TO THE PROPERTY DISPLAYED HEREON. THE OWNER OF LOCUS AND ABUTTING PROPERTIES ARE SHOWN ACCORDING TO CURRENT TOWN ASSESSORS RECORDS.
 - EXISTING UTILITY LINES SHOWN ON THIS PLAN ARE FROM AVAILABLE INFORMATION AND ARE APPROXIMATE LOCATIONS. THERE MAY BE EXISTING LINES OTHER THAN THOSE INDICATED. LAND DEVELOPMENT ENGINEERING & CONSULTING, LLC ASSUMES NO RESPONSIBILITY FOR DAMAGES INCURRED AS A RESULT OF UTILITIES OMITTED OR INACCURATELY SHOWN. BEFORE PLANNING FUTURE CONNECTIONS, THE PROPER PUBLIC UTILITY ENGINEERING DEPARTMENT SHOULD BE CONSULTED.

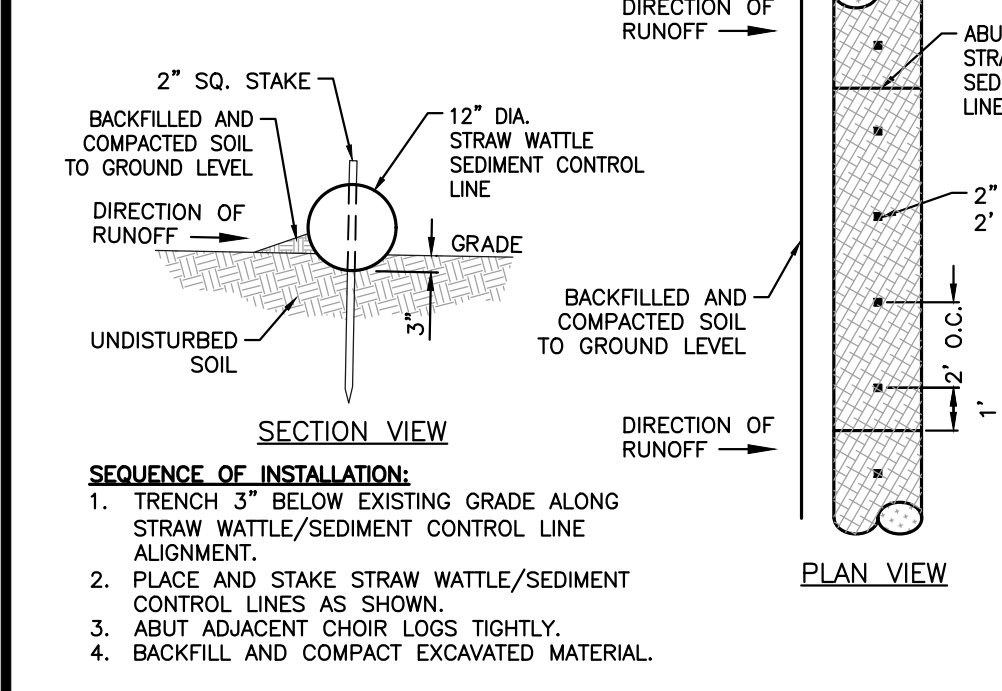
CURRENT OWNER
160 EAST MAIN ROAD, LLC
909 AQUIDNECK AVENUE
MIDDLETOWN, RI 02842

TITLE REFERENCES:
DEED BK.1789/PG.48
TAKING BK.981/PG.258

PLAN REFERENCES:
PLAN BK.10/PG.5
S.H.L. PLAT NO. 2558B

SITE LOCATION:
160 EAST MAIN ROAD
MIDDLETOWN, RHODE ISLAND

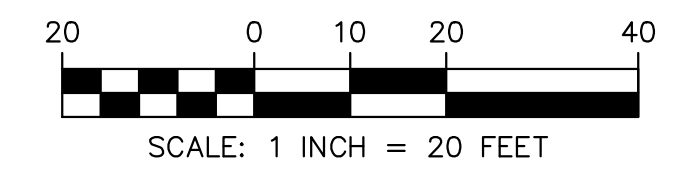
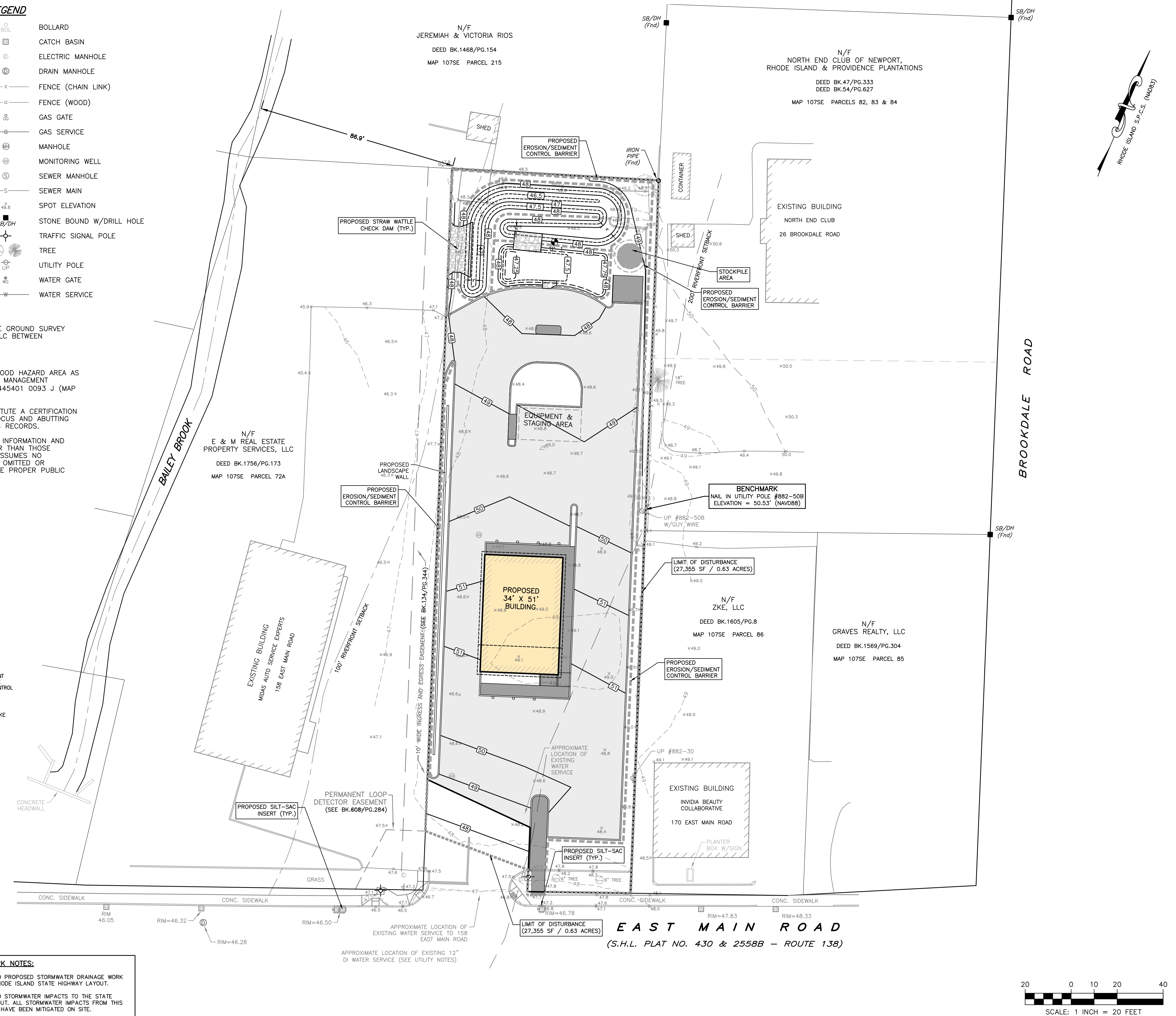
ASSESSORS REFERENCE:
MAP 107SE PARCEL 72



TYPICAL EROSION/SEDIMENT CONTROL STRAW WATTLE DETAIL
NOT TO SCALE

- UTILITY WORK NOTES:**
- UTILITY WORK SUCH AS SEWER, WATER, GAS, ELECTRIC, ETC. CONNECTIONS WITHIN THE STATE R.O.W. WILL REQUIRE A SEPARATE R.I.D.O.T. UTILITY PERMIT CONTRACTOR TO OBTAIN BEFORE CONSTRUCTION.
 - ALL WORK TO BE DONE WITHIN THE STATE HIGHWAY RIGHT OF WAY (ROW) SHALL CONFORM TO THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AUGUST 2023 EDITION WITH ALL REVISIONS. STANDARD DETAILS FOR THIS WORK ARE R.I. STANDARD DETAILS 1999 EDITION (AMENDED OCTOBER 2022) WITH ALL REVISIONS.
 - ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2009, INCLUDING ALL REVISIONS.

- DRAINAGE WORK NOTES:**
- THERE ARE NO PROPOSED STORMWATER DRAINAGE WORK WITHIN THE RHODE ISLAND STATE HIGHWAY LAYOUT.
 - THERE ARE NO STORMWATER IMPACTS TO THE STATE HIGHWAY LAYOUT. ALL STORMWATER IMPACTS FROM THIS DEVELOPMENT HAVE BEEN MITIGATED ON SITE.



LDEC
Land Development Engineering & Consulting, LLC
207 High Point Avenue, Unit 6
Portsmouth, RI 02871
T: 401-354-2050 F: 401-369-9775
WWW.SDE-LDEC.COM

NO.	DATE	DESCRIPTION	APPROVED

PLAN REVISIONS

DATE: AUGUST 8, 2024
DRAWN BY: SJE COMPS. BY: SJE CHECK BY: MER
PROJECT NO: 22133

ISSUED FOR: PERMITTING

MICHAEL E. RUSSELL
No. 7956
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

SITE REDEVELOPMENT PLANS
160 EAST MAIN ROAD
MIDDLETOWN, RHODE ISLAND
ASSESSORS MAP 107SE, PARCEL 72
PREPARED FOR
160 EAST MAIN ROAD, LLC

DRAWING TITLE:
SEDIMENT & EROSION CONTROL PLAN

SCALE: **1"=20'**
SHEET NO.

5 OF 9



LOCUS NOT TO SCALE

LEGEND

	BOLLARD
	CATCH BASIN
	ELECTRIC MANHOLE
	DRAIN MANHOLE
	FENCE (CHAIN LINK)
	FENCE (WOOD)
	GAS GATE
	GAS SERVICE
	MANHOLE
	MONITORING WELL
	SEWER MANHOLE
	SEWER MAIN
	SPOT ELEVATION
	STONE BOUND W/DRILL HOLE
	TRAFFIC SIGNAL POLE
	TREE
	UTILITY POLE
	WATER GATE
	WATER SERVICE

- NOTES:**
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 - SEE RIDOT TRAFFIC SIGNAL PLAN - 1 BY VANASSE HANGEN BRUSTLIN, INC. REVISED 4/17/06, FOR ADDITIONAL INFORMATION AND DETAILS.

CURRENT OWNER
 160 EAST MAIN ROAD, LLC
 909 AQUIDNECK AVENUE
 MIDDLETOWN, RI 02842

TITLE REFERENCES:
 DEED BK.1789/PG.48
 TAKING BK.981/PG.258

PLAN REFERENCES:
 PLAN BK.10/PG.5
 S.H.L. PLAT NO. 2558B

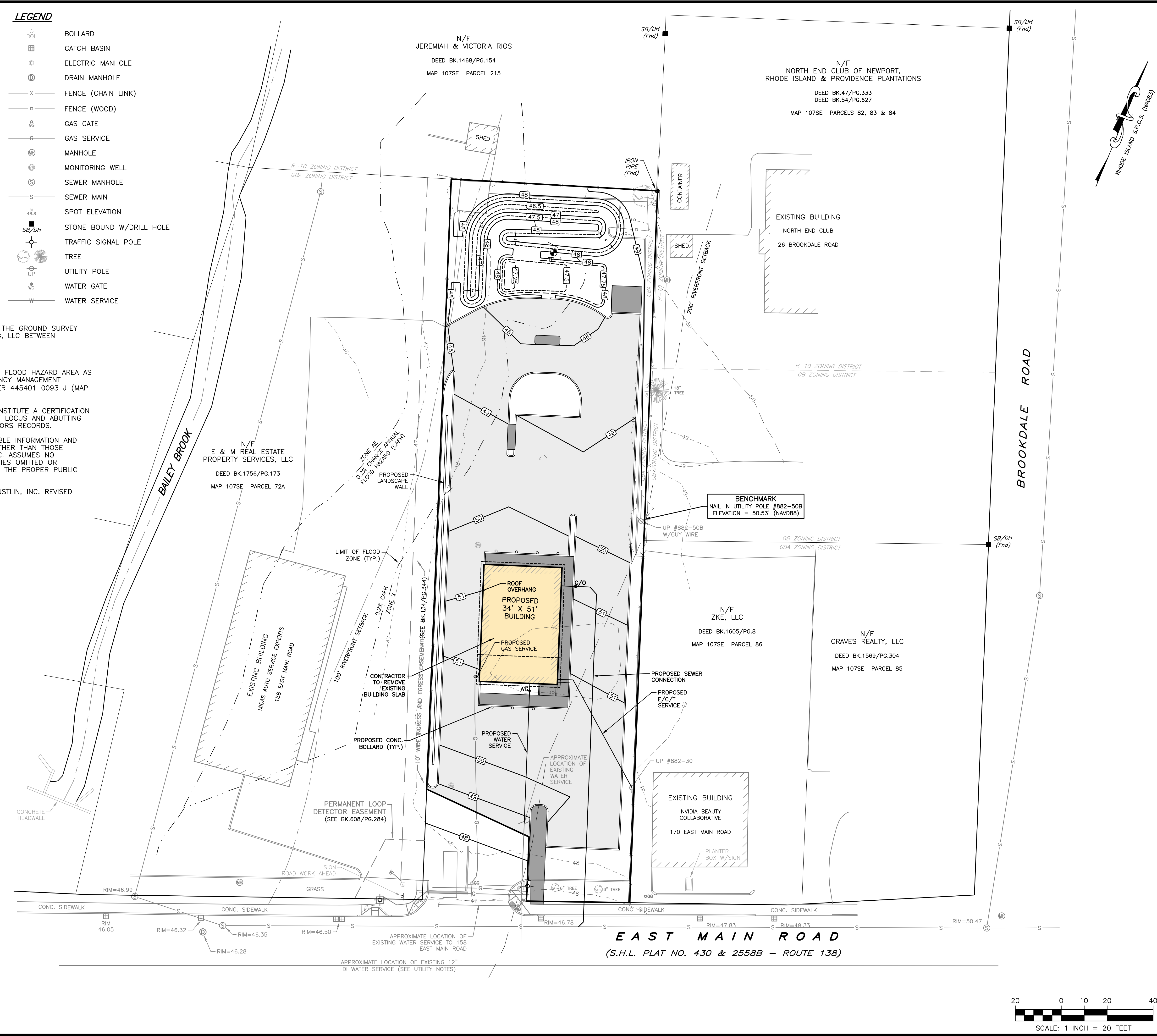
SITE LOCATION:
 160 EAST MAIN ROAD
 MIDDLETOWN, RHODE ISLAND

ASSESSORS REFERENCE:
 MAP 107SE PARCEL 72

- UTILITY NOTES:**
- TO BE CONFIRMED WITH NEWPORT UTILITIES UPON APPLYING FOR NEW SERVICE CONNECTION)

- DRAINAGE WORK NOTES:**
- THERE ARE NO PROPOSED STORMWATER DRAINAGE WORK WITHIN THE RHODE ISLAND STATE HIGHWAY LAYOUT.
 - THERE ARE NO STORMWATER IMPACTS TO THE STATE HIGHWAY LAYOUT. ALL STORMWATER IMPACTS FROM THIS DEVELOPMENT HAVE BEEN MITIGATED ON SITE.

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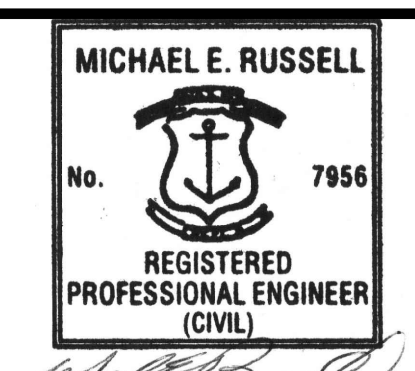
PLAN REVISIONS

DATE: AUGUST 8, 2024

DRAWN BY: SJE COMPS. BY: SJE CHECK BY: MER

PROJECT NO. 22133

ISSUED FOR: PERMITTING



SITE REDEVELOPMENT PLANS

160 EAST MAIN ROAD
 MIDDLETOWN, RHODE ISLAND
 ASSESSORS MAP 107SE, PARCEL 72

PREPARED FOR
 160 EAST MAIN ROAD, LLC

DRAWING TITLE:
UTILITY PLAN

SCALE: **1"=20'**

SHEET NO.
6 OF 9

PLANTING NOTES

- LANDSCAPE CONTRACTOR SHALL VISIT SITE PRIOR TO SUBMITTING BID TO BECOME COMPLETELY FAMILIAR WITH SITE CONDITIONS.
- NO PLANTING WILL BE INSTALLED UNTIL ALL GRADING AND CONSTRUCTION HAS BEEN COMPLETED IN THE IMMEDIATE AREA.
- CONTRACTOR TO VERIFY ALL UTILITIES ON PROPERTY AND TO PROTECT ALL UTILITIES DURING EXCAVATION.
- IF THERE IS A DISCREPANCY BETWEEN THE NUMBER OF PLANTS SHOWN ON THE PLAN AND THE NUMBER OF PLANTS SHOWN IN THE PLANT LIST, THE NUMBER OF PLANTS SHOWN ON THE LIST WILL TAKE PRECEDENCE.
- ALL CONTAINER MATERIAL TO BE GROWN IN CONTAINER A MINIMUM OF SIX MONTHS.
- ALL MATERIAL SHALL COMPLY WITH THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK, ACCORDING TO THE AMERICAN ASSOCIATION OF NURSERYMEN.
- CONTRACTOR SHALL REPAIR ALL DAMAGE TO PROPERTY FROM PLANTING OPERATIONS AT NO COST TO THE OWNER.
- CONTRACTOR SHALL GUARANTEE NEW PLANT MATERIAL THROUGH ONE CALENDAR YEAR FROM TIME OF PROVISIONAL ACCEPTANCE.
- ALL PROPOSED PLANTS SHALL BE LOCATED CAREFULLY AS SHOWN ON THE PLANS AND THE PLACEMENT SHALL BE APPROVED BY THE LANDSCAPE ARCHITECT BEFORE THE INSTALLATION.
- ALL DISTURBED AREAS NOT TO BE PAVED OR PLANTED SHALL BE LOAMED AND SEEDED AS SHOWN. SEE SPECIFICATIONS FOR SOIL PREPARATION AND SEED MIX.
- TWO INCH (2") DEEP, FINELY SHREDDED BARK MULCH WILL BE INSTALLED AROUND ALL TREES AND SHRUBS THAT ARE ISOLATED FROM GROUND COVER AREAS AND GENERAL SHRUB MASSES.
- ALL PLANT MATERIAL SHALL BE INSPECTED BY THE LANDSCAPE ARCHITECT ON SITE PRIOR TO INSTALLATION. THE LANDSCAPE ARCHITECT WILL TAG ALL TREES AT THE NURSERY AND INSPECT THEM AFTER DELIVERY TO THE SITE. SEE SPECIFICATIONS FOR TAGGING, INSPECTION, AND ACCEPTANCE OF PLANT MATERIAL.
- LANDSCAPE ARCHITECT SHALL CONFIRM PLANT LIST AND APPROVE SUBSTITUTIONS OF PLANT VARIETIES PRIOR TO ORDERING OF MATERIAL.
- SOIL MIX: 1/3 PEAT MOSS, 1/3 SCREENED LOAM, 1/3 DEHYDRATED MANURE.
- THE OWNER RESERVES THE RIGHT TO SUBSTITUTE PLANT SELECTIONS WITH PLANTS OF SIMILAR CHARACTERISTICS IF THE SPECIFIED PLANTS ARE NOT AVAILABLE IN ACCEPTABLE QUANTITIES OR CONDITIONS.

LANDSCAPE REQUIREMENTS (TOWN OF MIDDLETOWN)

EXISTING VEGETATION (TREES AND VEGETATION ARE USED TO SATISFY LANDSCAPING REQUIREMENTS) TREES HAVING GREATER THAN 18" DBH THAT CANNOT BE PRESERVED ARE REPLACED WITH TWO TREES OF AT LEAST 4" DBH

PLANTED LANDSCAPING OCCUPIES A MINIMUM OF 25% OF THE PROJECT AREA.
 TOTAL PROJECT AREA = 27,378 SF
 REQUIRED LANDSCAPE AREA = 6,845 SF (25% OF PROJECT AREA)
 PROVIDED LANDSCAPE AREA = 7,857 SF (28.7% OF PROJECT AREA)

SCREENING
 SCREENING ELEMENT SUCH AS PLANTINGS, STONE WALLS, BERMS, AND/OR FENCES (OR A COMBINATION) PROVIDED ALONG ALL PROPERTY LINES

BUFFERS
 A LANDSCAPED BUFFER AT LEAST 10' IS PROVIDED ALONG ALL PROPERTY LINES (MAY BE REDUCED IF STONE WALL USED AS SCREENING ELEMENT) FOR ALL USES.
 A LANDSCAPED BUFFER AT LEAST 10' WIDE, WHICH IS DEFINED BY CURBING AND MAY INCLUDE SIDEWALKS BUT MUST INCLUDE A MINIMUM 5' PLANTING STRIP, IS PROVIDED BETWEEN BUILDINGS AND PARKING LOTS/DRIVEWAYS

PLANTINGS
 PLANTINGS ARE NONINVASIVE SPECIES, AND NATIVE TO AQUINCKE ISLAND IF POSSIBLE

TREES
 DECIDUOUS TREES - 2 EXISTING TREES TO REMAIN
 PLANTED ALONG STREET SIDE PROPERTY BOUNDARY, PRIVATE STREETS, AND INTERNAL DRIVEWAYS
 PLANTED IN STRIPS OR TREE WELLS LOCATED BETWEEN THE SIDEWALK AND CURB. SPACED NO FURTHER THEN 30' ON CENTER
 A MINIMUM OF 4" DBH AT TIME OF PLANTING

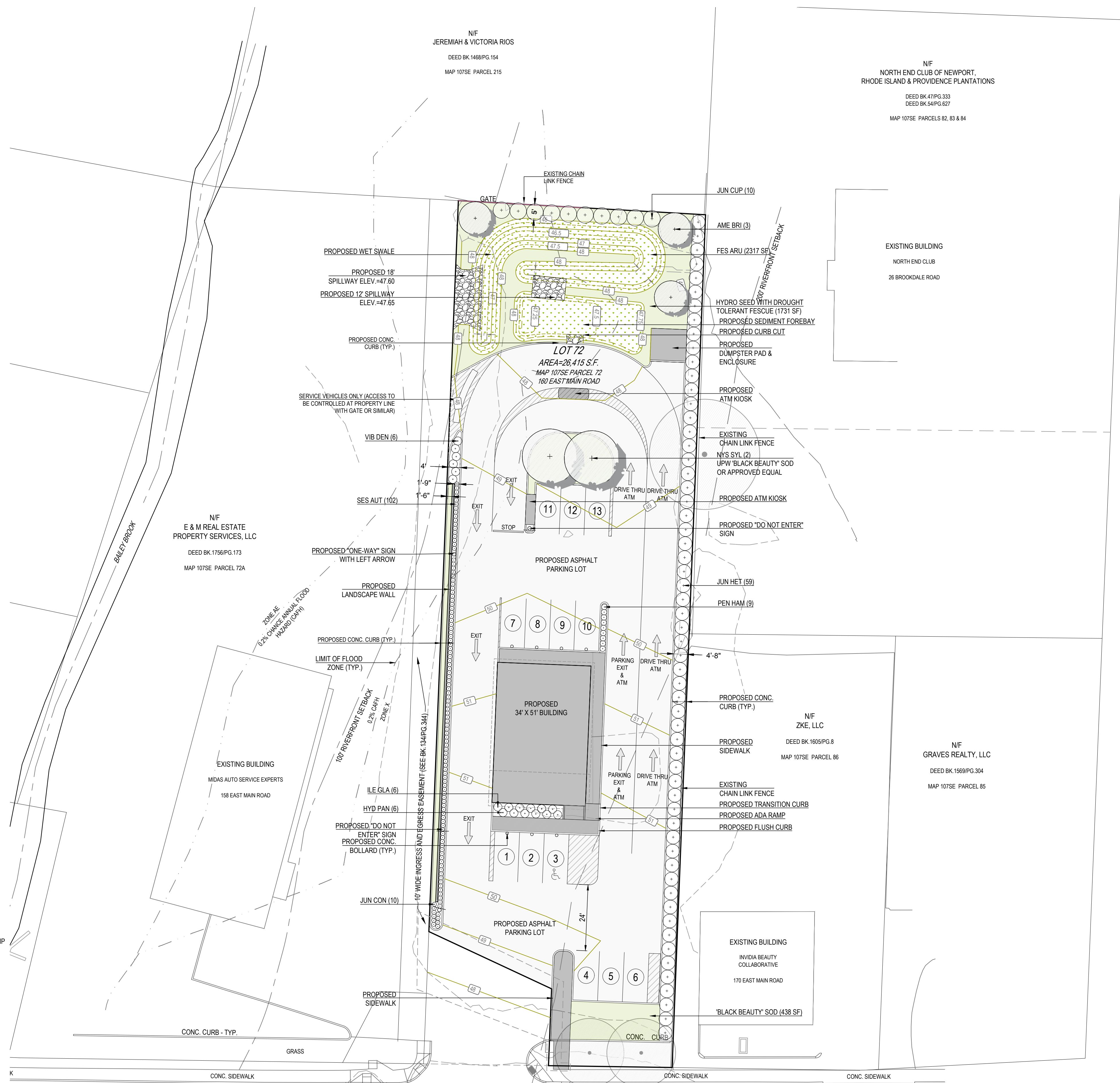
PARKING LOT TREES - 3 TREES REQUIRED, 5 TREES PROPOSED
 MINIMUM OF ONE TREE PROVIDED FOR EVERY 5 PARKING SPACES
 TREES AT LEAST 4" CALIBER DBH AND 7' TALL AT TIME OF PLANTING
 SURROUNDED BY AT LEAST 25 SF OF PERMEABLE UNPAVED AREA

SCENIC VIEWS
 SCENIC VIEWS AND HISTORICALLY SIGNIFICANT LANDSCAPE FEATURES PRESERVED TO THE MAXIMUM EXTENT REASONABLY POSSIBLE
 CONSISTENT WITH TOWN CODE CHAPTER 96: TREE PRESERVATION AND PROTECTION
 CONSISTENT WITH TOWN CODE CHAPTER 97: STONE WALLS

MAINTENANCE
 FOR LARGER PROJECTS OR SIGNIFICANT LANDSCAPE FEATURES, A MAINTENANCE AGREEMENT AND/OR BOND MAY BE REQUIRED
 LANDSCAPE MAINTENANCE PLANS ARE REQUIRED BY SECTION 523, AND PERFORMANCE AND MAINTENANCE GUARANTEES ARE REQUIRED UNDER ARTICLE 7.

PLANTING LEGEND

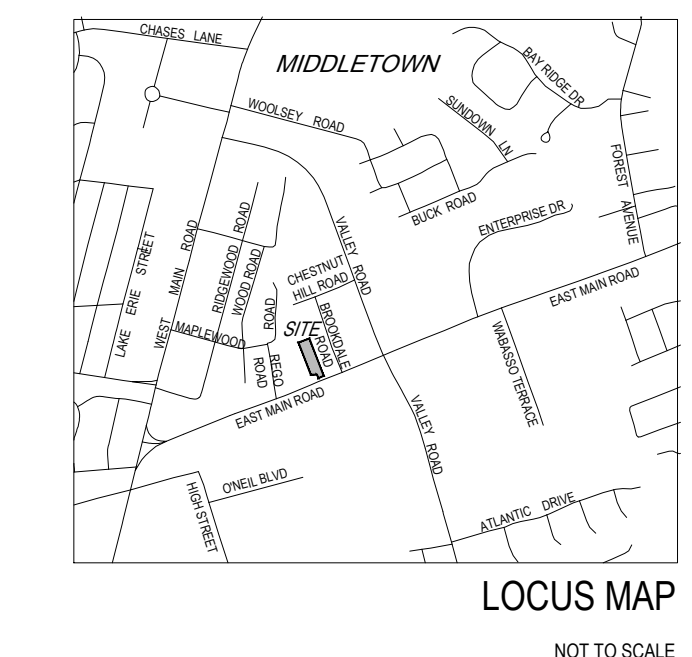
SYMBOL	BOTANICAL NAME	COMMON NAME	QTY	SIZE
DECIDUOUS TREES				
+	AME GRA	AMELANCHIER x GRAND, 'AUTUMN BRILLIANCE'	3	10 1/2" B&B CLUMP
+	NYS SYL	NYSSEA SYLVATICA 'WILDFIRE'	2	4" CAL.
EVERGREENS				
+	ILE GLA	ILEX GLABRA 'GEM BOX'	6	5 GAL. CONT.
+	JUN HET	JUNIPERUS CHINENSIS 'HETZU COLUMNARIS'	59	6 7/8" B&B
+	JUN CON	JUNIPERUS CONFERTA 'BLUE PACIFIC'	10	3 GAL. CONT.
+	JUN CUP	JUNIPERUS VIRG. 'CUPRESSIFOLIA'	10	7 7/8" B&B
SHRUBS				
+	HYD PAN	HYDRANGEA PANICULATA 'BOBO'	6	5 GAL. CONT.
+	VIB DEN	VIBURNUM DENTATUM 'CHICAGO LUSTRE'	6	3 1/4" B&B
GRASSES				
+	PEN HAM	PENNISETUM ALOPECUROIDES 'HAMELN'	9	1 GAL. CONT.
WET SWALE				
+	FES ARU	FESTUCA ARUNDINACEA (PER RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL)	2317	SF
PROPOSED LAWN AREAS				
+		'BLACK BEAUTY' SOD OR HYDRO SEED	2169	SF
+		EXISTING TREES TO REMAIN		



EAST MAIN ROAD
 (S.H.L. PLAT NO. 430 & 2558B - ROUTE 138)

VERDE DESIGN LLC
 18 WILDFLOWER LANE
 JAMESTOWN, RI 02835
 O. 401 560 4033
 verdedesign@gmail.com

CIVIL ENGINEER
 LDEC
 LAND DEVELOPMENT ENGINEERING & CONSULTING, LLC
 1700 WEST MAIN ROAD
 MIDDLETOWN RI
 401 354 2050



CENTREVILLE BANK
 160 EAST MAIN ROAD
 MIDDLETOWN, RHODE ISLAND

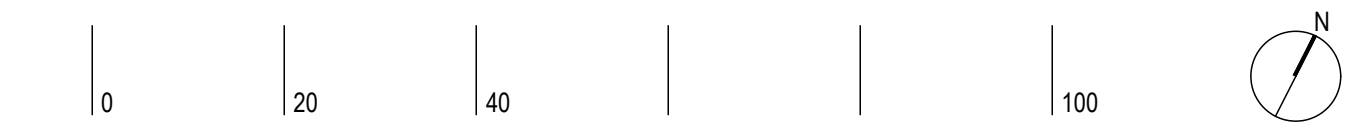


PROJECT NUMBER: 24.160
 DRAWN BY: PSR
 CHECKED BY: PSR
 SCALE: 1" = 20'-0"
 DATE: 7.08.2024

REVISIONS:

NO.	DESCRIPTION
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10	

LANDSCAPE PLAN



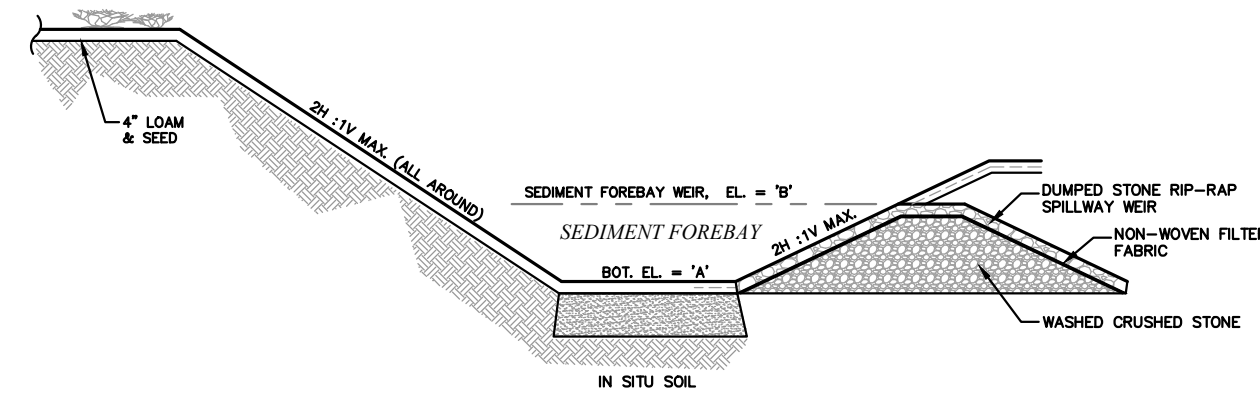
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SOIL EROSION AND SEDIMENTATION CONTROL NOTES

1. PRIOR TO INITIATING CONSTRUCTION, ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS, AS DIRECTED BY THE ENGINEER AND/OR AS NECESSITATED BY FIELD CONDITIONS. THE CONTRACTOR SHALL MAINTAIN THESE MEASURES UNTIL ALL WORK IS COMPLETED AND ALL AREAS HAVE BEEN STABILIZED.

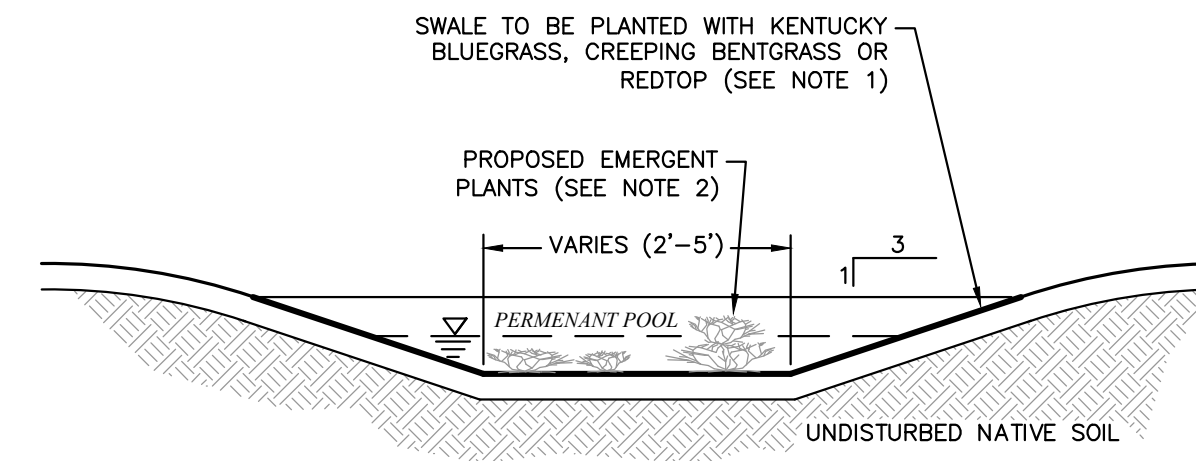
INSTALLATION SEQUENCE

- A. INSTALL SILT FENCE AND HAYBALES AS SHOWN ON PLAN.
 - B. CLEAR AND GRUB SITE.
 - C. CONSTRUCT SITE INFRASTRUCTURE AS SHOWN ON PLANS.
 - D. THE FOLLOWING ACTIVITIES SHALL TAKE PLACE IMMEDIATELY FOLLOWING CONSTRUCTION OF EMBANKMENTS AND FILL SLOPES: PLACEMENT OF LOAM AND GRASS SEED, INSTALLATION OF GROWER SLOPE STABILIZATION.
 - E. THE CONTRACTOR SHALL INSPECT ALL FILL SLOPES AND EMBANKMENTS ON A WEEKLY BASIS AND FOLLOWING ALL RAINFALL EVENTS UNTIL A MINIMUM 75% GRASS COVER IS ESTABLISHED SUFFICIENT TO PREVENT EROSION FROM OCCURRING.
2. ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR OR AS DIRECTED BY THE ENGINEER.
 3. AFTER THE INSTALLATION OF DRAINAGE STRUCTURES, HAYBALES OR OTHER APPROVED MATERIALS SHALL BE PLACED TO PROTECT THE INTEGRITY OF THE STRUCTURES.
 4. DISTURBED AREAS SHALL BE STABILIZED WITH THE APPLICATION OF A MINIMUM OF FOUR INCHES (4") OF LOAM AND SHALL BE SEEDED WITH AN APPROVED GRASS MIX OR SHALL BE RIPRAPPED AS SOON AS POSSIBLE AFTER THE FINISHED GRADE HAS BEEN MET. IF FINAL GRADING DOES NOT OCCUR DURING THE GROWING SEASON, THESE AREAS SHALL BE MULCHED WITH HAY AND SECURED BY JUTE NETTING WITH STAPLES. SLOPES EXCEEDING 2:1 SHALL BE LOAMED AND STABILIZED WITH PEGGED SOD OR APPROVED EROSION CONTROL BLANKETS UNLESS OTHERWISE NOTED.
 5. THE MOUTHS OF ALL CATCH BASINS SHALL BE FITTED WITH SILTSACK OR FILTER FABRIC DURING THE ENTIRE CONSTRUCTION PROCESS TO RETARD SILTATION.
 6. WHERE APPLICABLE, PROPER DUST CONTROL MEASURES SHALL APPLY TO REDUCE THE SURFACE AND AIR TRANSPORT OF DUST GENERATED DURING CONSTRUCTION. THE FOLLOWING METHODS SHALL BE USED:
 - A. WET SUPPRESSION WITHOUT WETTING AGENT SHALL BE APPLIED DURING LOAD IN / LOAD OUT AND EARTH MOVING CONSTRUCTION ACTIVITIES, SPECIALLY ON STOCKPILES.
 - B. INACTIVE STOCKPILES SHALL BE STABILIZED THROUGH APPLICATION OF SOIL STABILIZERS OR SEEDING.
 - C. WIND SCREENS OR BARRIERS AND PLASTIC TARP COVERS SHALL BE SECURED TO PREVENT WIND DISLODGE AND DAMAGE. ANY DAMAGES SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
 7. DEWATERING OPERATIONS SHALL BE PROVIDED, IF REQUIRED; ALL DISCHARGE SHALL PASS THROUGH SEDIMENTATION CONTROL DEVICES TO PREVENT IMPACTS UPON WATER BODIES, BORDERING VEGETATED WETLANDS, DRAINAGE SYSTEMS AND ADJUTING PROPERTIES.



FOREBAY-1&2
NOT TO SCALE

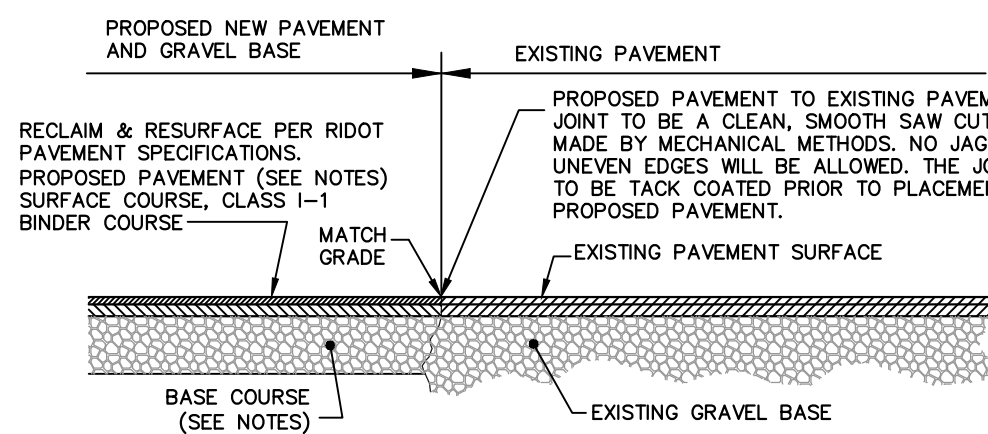
GROUND WATER ELEVATION					
FOREBAY	TH-#	EXISTING ELEV.	SHOW ELEV.	BOTTOM OF BASIN	OUTLET WEIR ELEV. "B"
1	TH-1	48.25	12'	47.25	47.65



WET VEGETATED SWALE CROSS SECTION DETAIL
NOT TO SCALE

NOTES:

1. TO SEE LIST OF APPROVED GRASSES FOR USE IN OPEN CHANNELS AND WET SWALES SEE THE RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL, APPENDIX B: VEGETATION GUIDELINES AND PLANTING LIST, SECTION B.6 OPEN CHANNELS, TABLE B-2.
2. FOR EMERGENT PLANT SPECIES SEE THE RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL, APPENDIX B: VEGETATION GUIDELINES AND PLANTING LIST, TABLE B-6 PLANT LIST FOR STORMWATER BASINS AND WYTS. (ZONE 2 & ZONE 3)

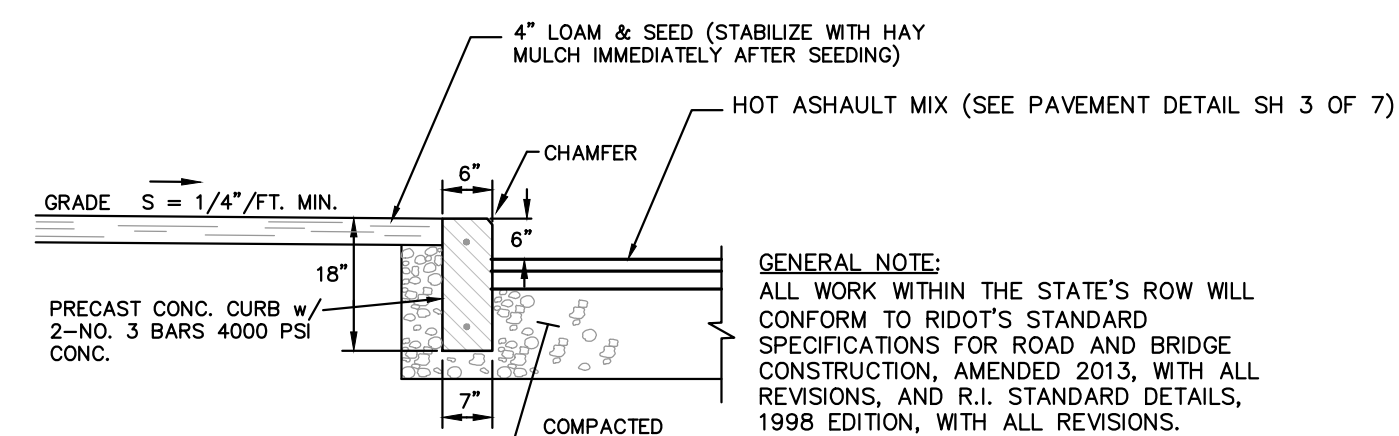


PAVEMENT SAW CUT & SEAL
ROADWAY ENTRANCE & UTILITY TRENCH
R.I.-DET. 147.1.1
NOT TO SCALE

NOTES:

1. THE TWO SECTION (PROPOSED & EXISTING) SHALL BE SIMILAR STRUCTURAL CAPACITIES AND FIELD TESTING SHALL BE PERFORMED.
2. ROADWAY PAVEMENT SAW CUTTING CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH SECTION 932 AND SECTION 934.03.1 OF THE R.I. STANDARD SPECIFICATIONS.
3. AGGREGATES, GRAVEL BASE AND SUBBASE COURSES MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH SECTION 300 AND SECTION M.01 OF THE R.I. STANDARD SPECIFICATIONS.
4. BITUMINOUS CONCRETE PAVEMENT MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH SECTION 400 AND SECTION M.03 OF THE R.I. STANDARD SPECIFICATIONS.
5. CONCRETE MATERIAL AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH SECTION 600 OF THE R.I. STANDARD SPECIFICATIONS.
6. DEPTH(S) OF NEW MATERIALS SHALL MATCH EXISTING PAVEMENT CONSTRUCTION DEPTHS FOR GRAVEL BORROW, SUBBASE, BASE, BINDER COURSE, AND SURFACE COURSE.
7. BITUMINOUS CONCRETE SHALL CONFORM TO RHODE ISLAND STANDARD SPECIFICATIONS M.03.06. AND RIDOT SECT. 401.03.11
8. GRAVEL BORROW TYPE C SHALL CONFORM TO RHODE ISLAND STANDARD SPECIFICATIONS M.01.09 RIDOT SECT. 401.03.11.
9. GRAVEL BORROW SHALL CONSIST OF INERT MATERIAL THAT IS HARD, DURABLE STONE AND COARSE SAND, FREE FROM LOAM AND CLAY, SURFACE COATINGS AND DELETERIOUS MATERIALS. GRADATION REQUIREMENTS FOR GRAVEL SHALL BE DETERMINED BY AASHTO-T11 AND T27 AND SHALL CONFORM TO THE FOLLOWING:

SIEVE DESIGNATION	PERCENT PASSING	MAXIMUM SIZE OF STONE IN GRAVEL SHALL BE 2 INCHES LARGEST DIMENSION
1/2 IN	50-85	
NO. 4	40-75	
NO. 50	8-28	
NO. 200	0-10	

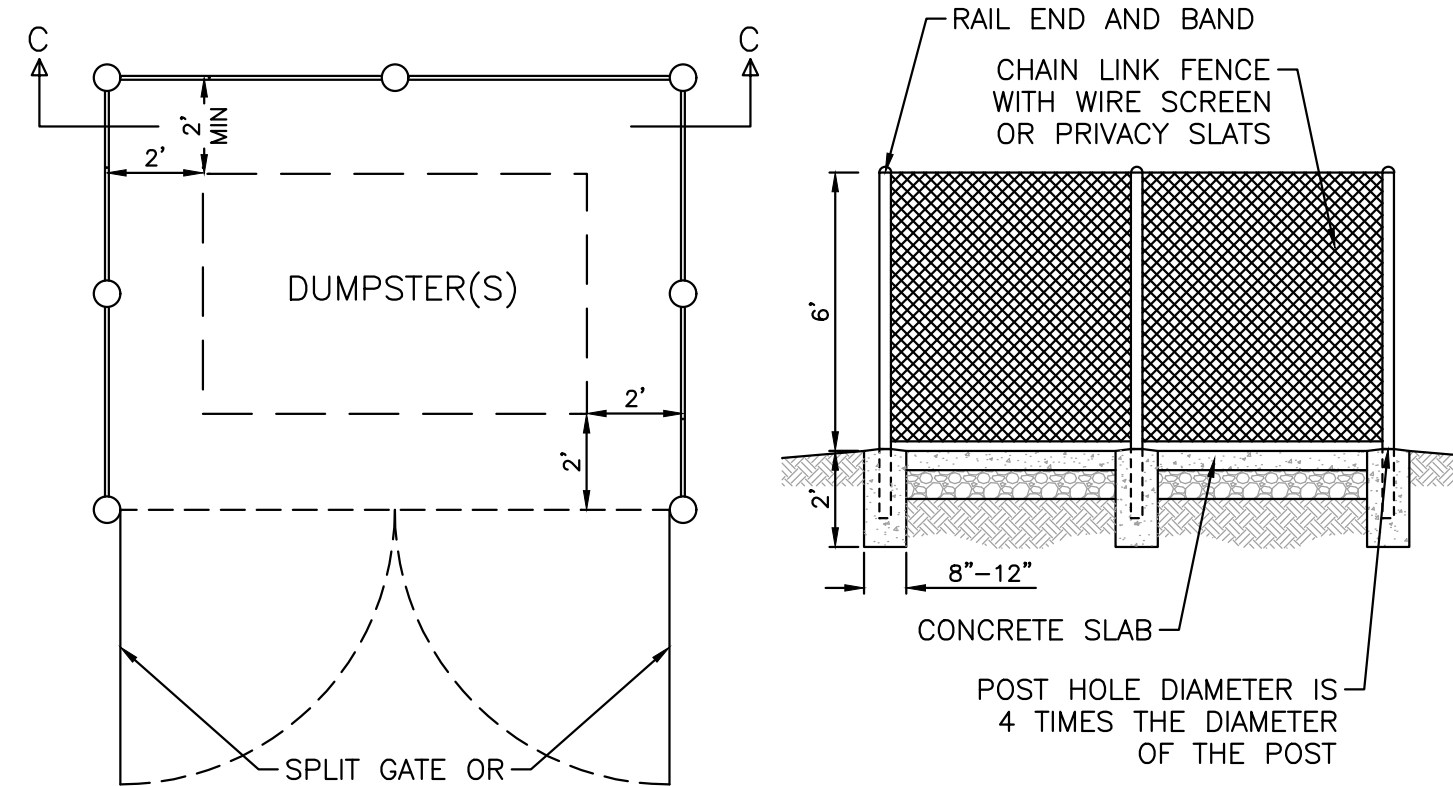


PAVEMENT & PRECAST CONCRETE CURB DETAIL
NOT TO SCALE

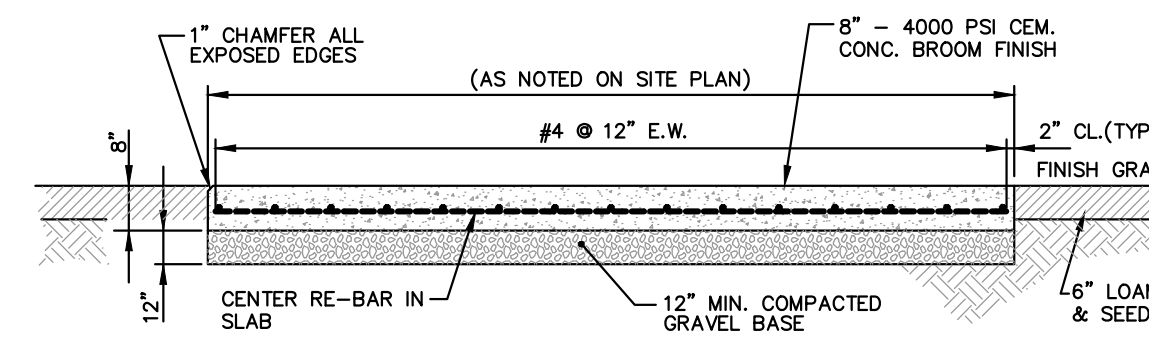
NOTES:

1. HOT MIX ASPHALT (HMA) SHALL CONFORM TO RHODE ISLAND STANDARD SPECIFICATIONS M.03.06. AND RIDOT SECT. 401.03.11 AND AS SPECIFIED IN THE RIDOT-HMA CONSTRUCTION SPECIFICATIONS.
2. 6" GRAVEL BORROW TYPE C SHALL CONFORM TO RHODE ISLAND STANDARD SPECIFICATIONS M.01.09 RIDOT SECT. 401.03.11 AS LISTED BELOW:
GRAVEL BORROW SHALL CONSIST OF INERT MATERIAL THAT IS HARD, DURABLE STONE AND COARSE SAND, FREE FROM LOAM AND CLAY, SURFACE COATINGS AND DELETERIOUS MATERIALS. GRADATION REQUIREMENTS FOR GRAVEL SHALL BE DETERMINED BY AASHTO-T11 AND T27 AND SHALL CONFORM TO THE FOLLOWING:

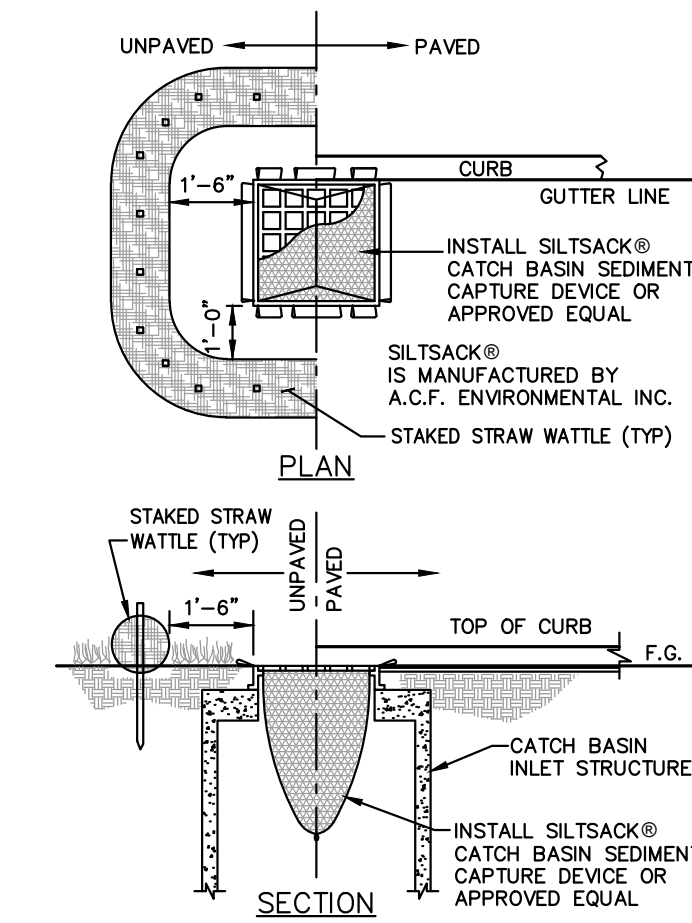
SIEVE DESIGNATION	PERCENT PASSING	MAXIMUM SIZE OF STONE IN GRAVEL SHALL BE 2 INCHES LARGEST DIMENSION
1/2 IN	50-85	
NO. 4	40-75	
NO. 50	8-28	
NO. 200	0-10	



DUMPSTER ENCLOSURE DETAIL
NOT TO SCALE



DUMPSTER PAD SECTION DETAIL
NOT TO SCALE



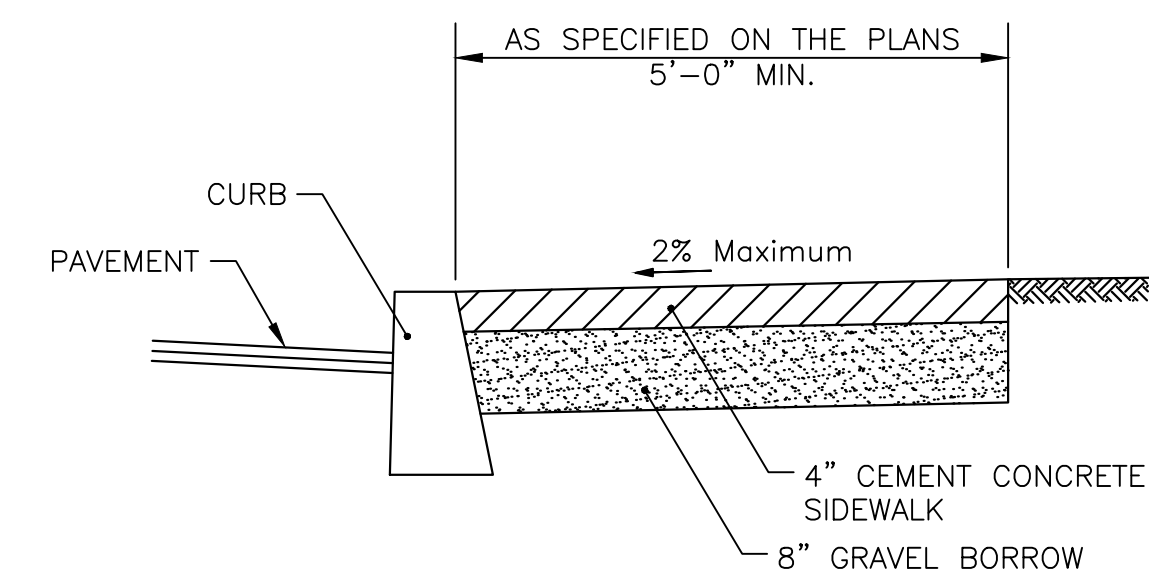
INLET SEDIMENTATION CONTROL DETAIL
NOT TO SCALE

DRAINAGE WORK NOTES:

1. THERE ARE NO PROPOSED STORMWATER DRAINAGE WORK WITHIN THE RHODE ISLAND STATE HIGHWAY LAYOUT.
2. THERE ARE NO STORMWATER IMPACTS TO THE STATE HIGHWAY LAYOUT. ALL STORMWATER IMPACTS FROM THIS DEVELOPMENT HAVE BEEN MITIGATED ON SITE.

UTILITY WORK NOTES:

1. UTILITY WORK SUCH AS SEWER, WATER, GAS, ELECTRIC, ETC. CONNECTIONS WITHIN THE STATE R.O.W. WILL REQUIRE A SEPARATE R.I.D.O.T. UTILITY PERMIT - CONTRACTOR TO OBTAIN BEFORE CONSTRUCTION.
2. ALL WORK TO BE DONE WITHIN THE STATE HIGHWAY RIGHT OF WAY (ROW) SHALL CONFORM TO THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AUGUST 2023 EDITION WITH ALL REVISIONS. STANDARD DETAILS FOR THIS WORK ARE R.I. STANDARD DETAILS 1998 EDITION (AMENDED OCTOBER 2022) WITH ALL REVISIONS.
3. ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES 2009, INCLUDING ALL REVISIONS.



NOTES

1. SHALL BE IN ACCORDANCE WITH SECTION 905 OF THE R.I. STANDARD SPECIFICATIONS.
2. FOR CURB SETTING DETAIL REFERENCE STD. 7.6.0

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

CEMENT CONCRETE SIDEWALK (MODIFIED)

R.I. STANDARD 43.1.0

LDEC
Land Development Engineering & Consulting, LLC
207 High Point Avenue, Unit 6
Portsmouth, RI 02871
T: 401-354-2050 F: 401-369-9775
WWW.SDE-LDEC.COM

NO.	DATE	DESCRIPTION	APPROVED

PLAN REVISIONS

DATE:	AUGUST 8, 2024
DRAWN BY:	SJE
COMPS. BY:	SJE
CHECK BY:	MER
PROJECT NO.:	22133

ISSUED FOR:
PERMITTING

MICHAEL E. RUSSELL
No. 7956
REGISTERED PROFESSIONAL ENGINEER (CIVIL)

SITE REDEVELOPMENT PLANS
160 EAST MAIN ROAD
MIDDEL TOWN, RHODE ISLAND
ASSESSORS MAP 107SE, PARCEL 72
PREPARED FOR
160 EAST MAIN ROAD, LLC

DRAWING TITLE:

CONSTRUCTION DETAILS

SCALE: **N.T.S.**

SHEET NO. **9 OF 9**