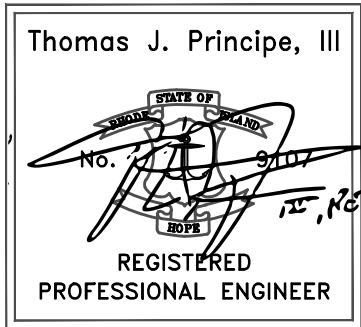


C:\Users\admin\Principe Engineering Dropbox\ERSC PLANS\2024\ERSC PLANS\2024-2_670 Metacom Avenue Bristol_Dave Ramos\Drawings\ERSC-2024-2_670 METACOM AVENUE_BRISTOL_PRELIMINARY-rev.dwg, DWG To PDF.pc3

PRELIMINARY SUBMISSION
FOR
668 & 670 METACOM AVENUE
ASSESSORS MAP 128 PARCELS 15 & 16
IN
BRISTOL, RHODE ISLAND



APPLICANT:
DAVID J. RAMOS
12 RUTH AVENUE
BRISTOL, RI 02809

OWNER (LOT 15):
DAVID J. RAMOS
12 RUTH AVENUE
BRISTOL, RI 02809

OWNER (LOT 16):
LIONEL J. RAMOS
9 SCOTT LANE
BRISTOL, RI 02809

PREPARED BY:
PRINCIPE COMPANY, INC.
ENGINEERING DIVISION

27 SAKONNET RIDGE DRIVE
TIVERTON, RHODE ISLAND 02878
401.816.5385
INFO@PRINCIPECOMPANY.COM
WWW.PRINCIPECOMPANY.COM

AUGUST 8, 2025
REVISED AUGUST 27, 2025

LIST OF DRAWINGS

- 1) TITLE SHEET
- 2) EXISTING CONDITIONS PLAN (LOTS 15 & 16)
- 3) PROPOSED LAYOUT PLAN (LOT 16)
- 4) DRAINAGE & GRADING PLAN (LOT 16)
- 5) LANDSCAPE PLAN (LOT 16)
- 6) PROPOSED CONDITIONS PLAN (LOT 15)
- 7) RIDOT PAP PLAN
- 8) CONSTRUCTION DETAILS - 1
- 9) CONSTRUCTION DETAILS - 2
- 10) CONSTRUCTION DETAILS - 3

STREET INDEX
METACOM AVENUE
(PUBLIC- STATE HIGHWAY)

SOIL REFERENCE:

NRCS WEB SOIL SURVEY:
PmA - PITTSBURY SILT LOAM (0-3% SLOPES) [27" GWI]
Sf - STISSING VERY STONY SILT LOAM [9" GWI]
CaC - CANTON-CHARLTON-ROCK OUTCROP COMPLEX (3-15% SLOPES)
DATE ACCESSED: 03/25/24

PLAN REFERENCE:

1.) EXISTING CONDITIONS TAKEN FROM CLASS I SURVEY PLAN ENTITLED:
"EXISTING CONDITIONS PLAN FOR DAVID J. RAMOS & LIONEL J. RAMOS"
AP 128 LOT 15 & 16 IN BRISTOL, RI
DATE: 03/27/2024; REVISED JULY 3, 2025
PREPARED BY: PRINCIPLE COMPANY, INC. - SURVEYING DIVISION
SIGNED BY: STEPHEN T. LONG, PLS NO. 1930

REQUESTED RELIEF

WAIVERS REQUESTED

A waiver is requested from Land Development Projects Section:
Sidewalks shall be required to be installed on one side of new streets in subdivisions and in multifamily developments. No sidewalks is proposed in front of Lot 15.

DRAWING ISSUE:

- ☐ CONCEPT
☐ CUSTOMER APPROVAL
☒ PERMITTING
☐ CONSTRUCTION
☐ AS-BUILT
☐ OTHER:

ONLY PLANS ISSUED FOR CONSTRUCTION
SHALL BE USED FOR CONSTRUCTION

ZONING-GB: LOT 15

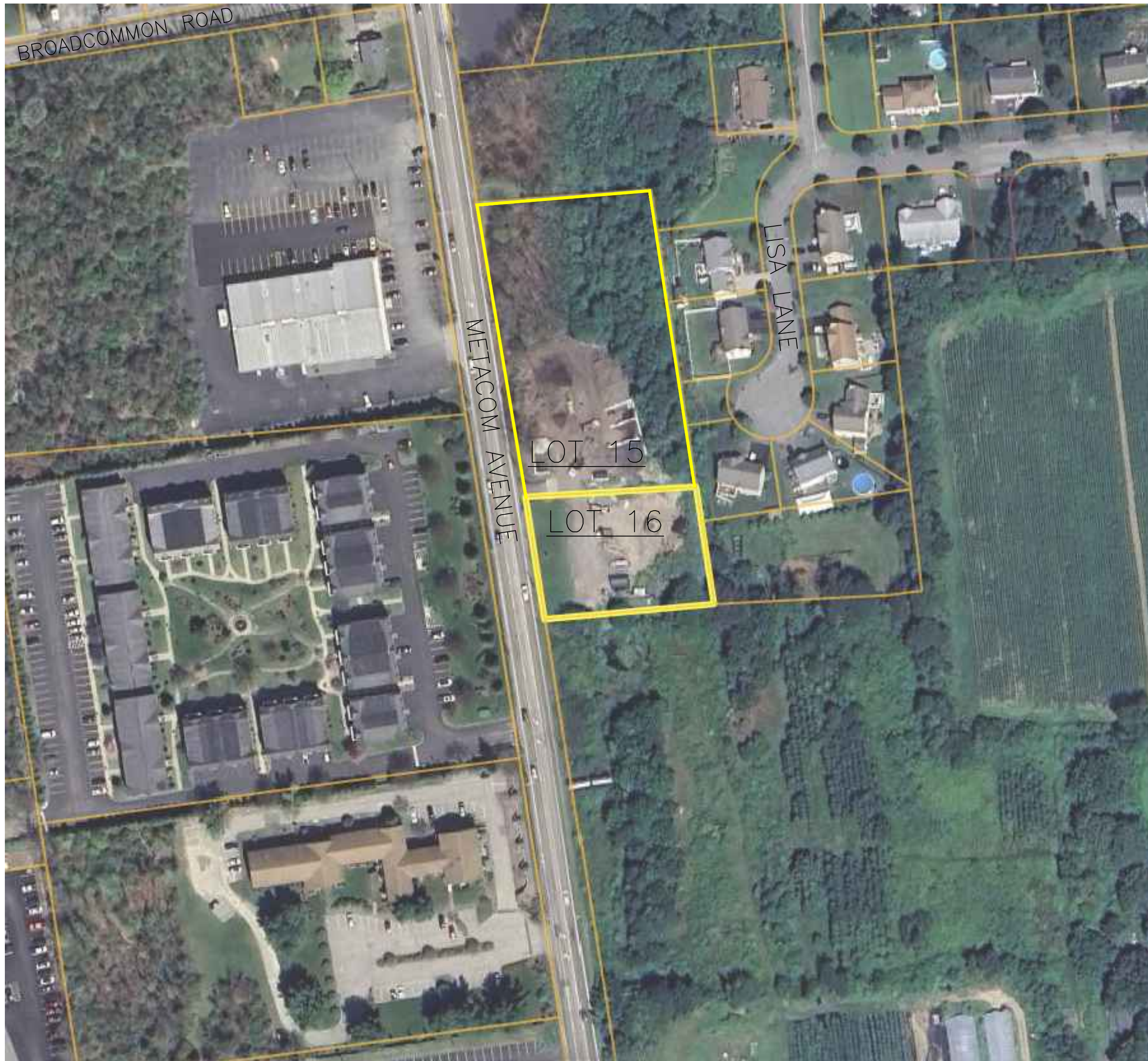
ROUTE 136 (METACOM AVENUE) OVERLAY	
DIMENSIONAL REQUIREMENTS	EXISTING
MIN. LOT AREA: 10,000 SF	64,406 SF
MIN. LOT WIDTH: 100 FT	323.2 FT
MIN. FRONT YARD: 25 FT	N/A
MIN. REAR YARD: 30 FT	N/A
MIN. SIDE YARD: 10 FT	N/A
MAX. BLDG. LOT COV.: 40%	N/A
MAX. TOTAL LOT COV.: 70%	N/A
MIN. DIST. FROM RES. ZONE: 25 FT	N/A
MAX. FLOOR AREA RATIO: 0.5	N/A

ZONING-GB: LOT 16

ROUTE 136 (METACOM AVENUE) OVERLAY	
DIMENSIONAL REQUIREMENTS	EXISTING
MIN. LOT AREA: 10,000 SF	31,403 SF
MIN. LOT WIDTH: 100 FT	157.0 FT
MIN. FRONT YARD: 25 FT	N/A
MIN. REAR YARD: 30 FT	N/A
MIN. SIDE YARD: 10 FT	N/A
MAX. BLDG. LOT COV.: 40%	N/A
MAX. TOTAL LOT COV.: 70%	N/A
MIN. DIST. FROM RES. ZONE: 25 FT	N/A
MAX. FLOOR AREA RATIO: 0.5	N/A

GENERAL NOTES:

1. THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM THE LATEST AVAILABLE INFORMATION. THE UTILITY LOCATIONS ARE APPROXIMATE AND MAY NOT BE ALL INCLUSIVE. THE CONTRACTOR SHALL CHECK AND VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND "DIG-SAFE" MUST BE NOTIFIED PRIOR TO COMMENCING ANY CONSTRUCTION OPERATIONS. RESTORATION AND REPAIR OF DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR TOWN WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE NOTIFIED AT LEAST 72 HOURS IN ADVANCE.
2. THIS SITE LIES IN ZONE X AS SHOWN ON THE FIRM MAP FOR THE CITY OF BRISTOL, RI COMMUNITY PANEL NO.44001C001H, MAP REVISED JULY 7, 2014.
3. THERE ARE NO KNOWN EASEMENTS OR RIGHTS OF WAY WITHIN OR ADJACENT TO THIS PARCEL UNLESS OTHERWISE SHOWN.
4. THE CONTOURS SHOWN HEREIN ARE BASED UPON THE NAVD83 DATUM.
5. THERE ARE UNDERGROUND UTILITIES LOCATED WITHIN METACOM AVENUE ALONG THIS PARCELS FRONTAGE.

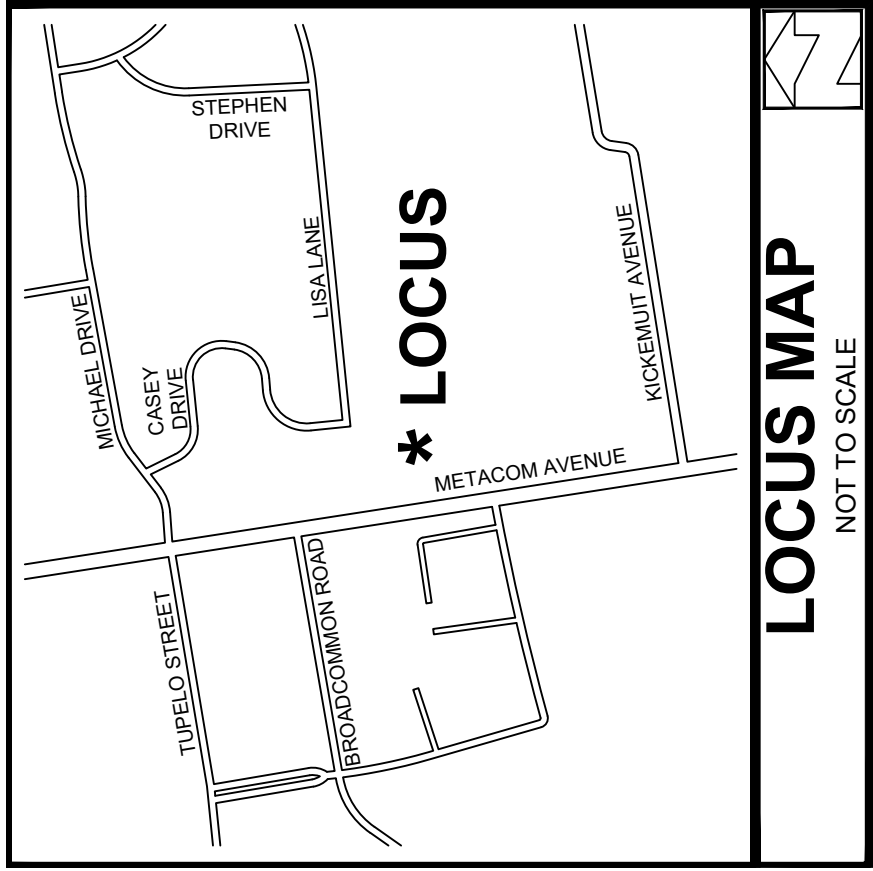


SITE LOCUS

SCALE: 1"=100'

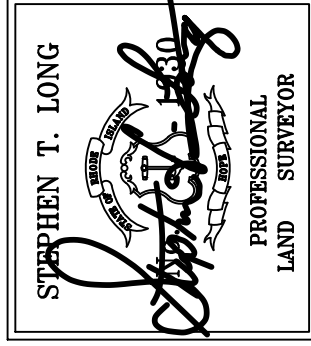
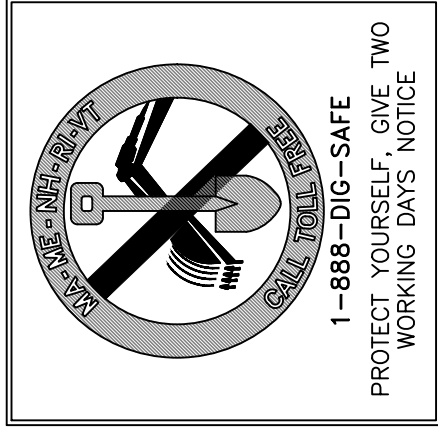
LEGEND

	EXISTING	PROPOSED
PERIMETER LINE		
ABUTTER LINE		
EDGE OF PAVEMENT		
FENCE		
EASEMENT		
CONTOUR		
UTILITY POLE		
TEST HOLE		
SAWCUT		
BUILDING SETBACK		
OVERHEAD WIRE		
CATCH BASIN		
DRAIN MANHOLE		
DRAIN LINE		
WATER LINE		
WATER GATE VALVE		
WELL		
SEWER LINE		
WETLAND FLAG		
SIGN		
DOWNSPOUT		
LIGHT POST		
STONEWALL		
COMPOST FILTER SOCK		
RIDOT STD 9.9.0		
CONSTRUCTION ACCESS		



GENERAL NOTES:

1. THE LOCATION AND DEPTH OF EXISTING UTILITIES ARE APPROXIMATE AND HAVE BEEN PLOTTED FROM RECORD DRAWINGS, FIELD SURVEY, AND VISUAL INSPECTION. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL EXISTING UTILITIES, BOTH OVERHEAD AND UNDERGROUND, AND "DIG-SAFE" MUST BE NOTIFIED PRIOR TO ANY EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND FOR PROTECTING ALL UTILITIES AND STRUCTURES FROM DAMAGE TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR WITH NO ADDITIONAL CO TO THE OWNER. NO EXCAVATION SHALL COMMENCE UNTIL ALL INVOLVED UTILITY COMPANIES AND/OR TOWN WHOSE FACILITIES MIGHT BE AFFECTED BY ANY WORK TO BE PERFORMED BY THE CONTRACTOR ARE NOTIFIED AT LEAST 72 HOURS IN ADVANCE.
 2. THIS SITE LIES IN ZONE X AS SHOWN ON THE FIRM MAP FOR THE CITY OF BRISTOL, RI COMMUNITY PANEL NO. 4400100011H, MAP REVISED JULY 17, 2014.
 3. THERE ARE NO KNOWN EASEMENTS OR RIGHTS OF WAY WITHIN OR ADJACENT TO THIS PARCEL UNLESS OTHERWISE SHOWN.
 4. THE CONTOURS SHOWN HEREIN ARE BASED UPON THE NAVD83 DATUM.
 5. THIS SITE DOES NOT LIE WITHIN ANY KNOWN AGRICULTURAL USE, SILVICULTURAL USE, NATURAL HERITAGE OR FARMLAND CONSERVATION AREAS.
 6. THERE ARE UNDERGROUND UTILITIES LOCATED WITHIN METACOM AVENUE ALONG THIS PARCELS FRONTAGE.
 7. LOT 15 HAS 4,393 SQ. FT. ± OF LAND UNSUITABLE FOR DEVELOPMENT. LOT 16 HAS 1,134 SQ. FT. ± OF LAND UNSUITABLE FOR DEVELOPMENT.
- REFERENCES:
1. A CERTAIN PLAN ENTITLED "SUBDIVISION PLAN LISA LANE EXTENSION/ASSESSORS PLAT 128, LOT 2 SITUATED IN BRISTOL, RHODE ISLAND, PREPARED FOR J.T. O'CONNELL REALTY COMPANY PREPARED BY JOHN P. CATO LAND PLANNERS, DATED JANUARY 12, 2003; FINAL REVISION DATED JANUARY 12, 2003; AND RECORDED IN THE TOWN OF BRISTOL, RHODE ISLAND IN THE TOWN CLERK'S OFFICE.
 2. A CERTAIN PLAN ENTITLED "SITE PLAN FOR LUNEL J. RAMOS PLAT 109, LOT 16, METACOM AVENUE, BRISTOL, RI, SCALE 1" = 20', DATED 02/12/2002, PREPARED BY BARKER LAND SURVEYING, INC., WHICH IS LOCATED IN THE BRISTOL LAND EVIDENCE RECORDS AS P.C. 468 (PLAT 128) FOR MACOMI PROPERTIES LTD & EDWARD YEAGER, SCALE 1" = 50', DATED 10/08/02; PREPARED BY HOLMES ENGINEERING, INC. BERKLEY, MASSACHUSETTS.
 3. A CERTAIN PLAN ENTITLED "LOT LAYOUT AND ZONING PLAN FINAL CASEY DRIVE ESTATES (PLAT 128) FOR MACOMI PROPERTIES LTD & EDWARD YEAGER, SCALE 1" = 50', DATED 11/02/2002; PREPARED BY HOLMES ENGINEERING, INC. BERKLEY, MASSACHUSETTS.
 4. A CERTAIN PLAN ENTITLED "PROPERTY SURVEY PLAN IN BRISTOL, RHODE ISLAND, PREPARED FOR MACOMI PROPERTIES LTD, 3478 MARKET STREET WARREN, RHODE ISLAND; DATED 11/02/2002 REVISED 8-15-2002; SCALE 1" = 50'; PREPARED BY ALPHA LAND SURVEYING.
 5. R.I.D.O.T. PLAT #655



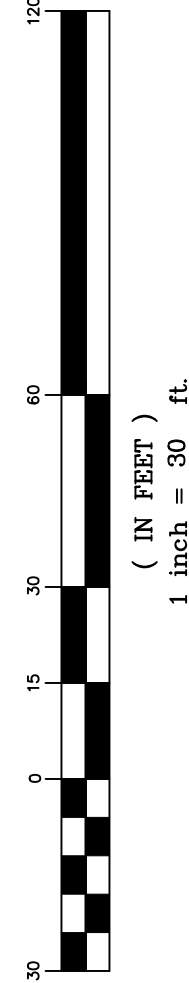
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO 435-RICR 00-00-1.9 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATIONS FOR PROFESSIONAL LAND SURVEYORS NOVEMBER 25, 2015 AS FOLLOWS:

TYPE OF SURVEY: LIMITED CONTENT SURVEY
MEASUREMENT SPECIFICATION: CLASS 1 STANDARD / CLASS 3 TOPO

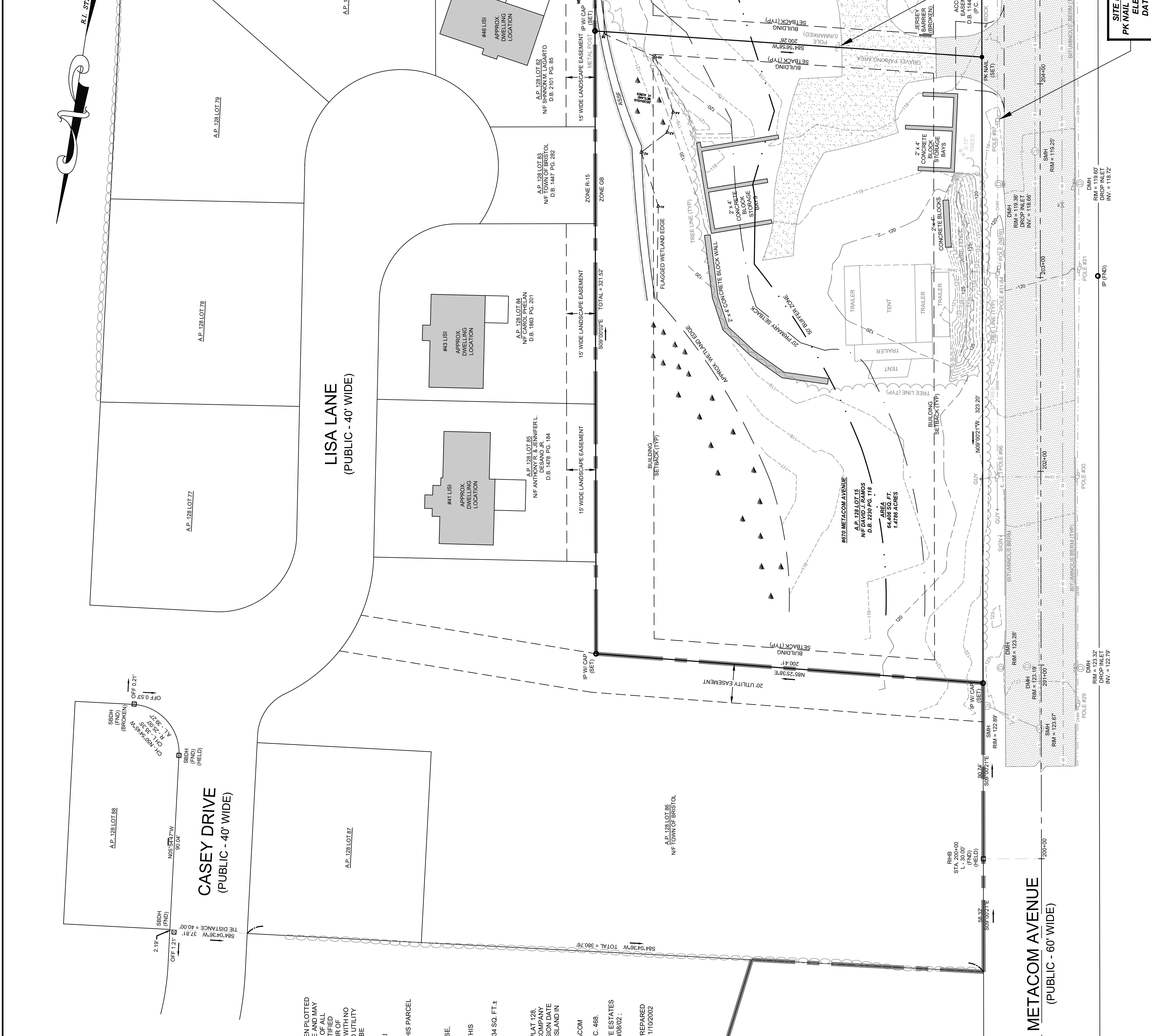
PURPOSE OF SURVEY: EXISTING CONDITIONS

BY: Stephen T. Long DATE: 8/19/2025
STEPHEN T. LONG, PLS NO. 19874

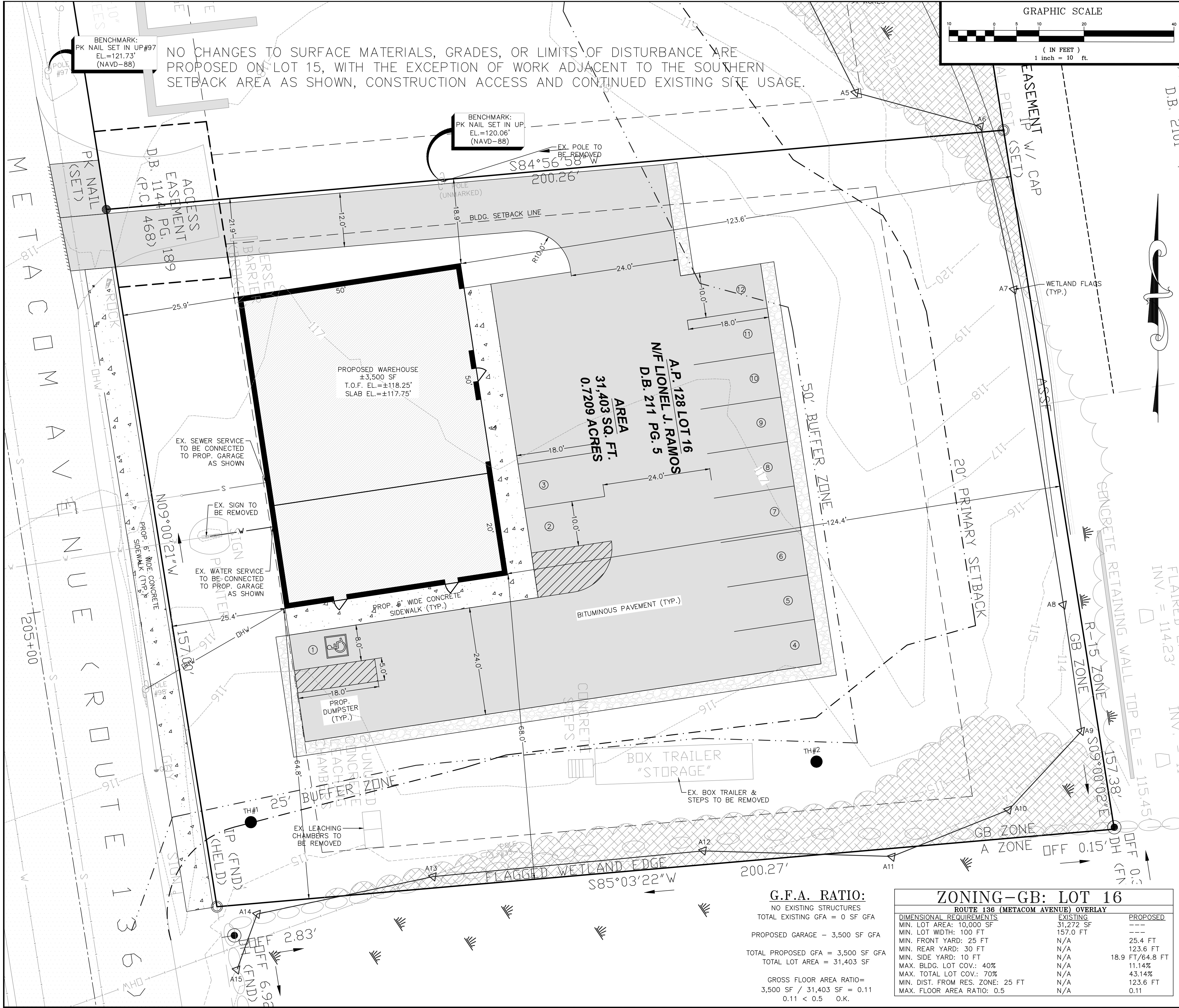
GRAPHIC SCALE



SCALE: 1"=30'	SHEET NO.: 1 OF 1
DRAWN BY: JML	DESIGN BY: STL
DATE: 3-27-2024	PROJECT NO.: ERSC-2024-2



C:\Users\admin\Principe Engineering\Dropbox\ERSC PLANS\2024\ERSC-2024-2_670 Metacom Avenue Bristol_Dave Ramos\Drawings\ERSC-2024-2_670 Metacom Avenue Bristol-preliminary-rev.dwg, DWG To PDF.pc.plt, ERSC-2024-2_670 Metacom Avenue Bristol-preliminary-rev.dwg, DWG To PDF.pc.plt



PLAN NOTES:

- CONTRACTOR TO VERIFY BENCHMARK AND EXISTING CONDITIONS PRIOR TO COMMENCING CONSTRUCTION AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
- PLAN IS TO BE USED SOLELY FOR THE USE OF THE SOIL EROSION, RUNOFF AND SEDIMENT CONTROL ORDINANCE FOR THE TOWN OF BRISTOL AND IS NOT AUTHORIZED FOR ANY OTHER USE. CONTRACTOR TO STRICTLY ADHERE TO BRISTOL'S SOIL EROSION, RUNOFF, AND SEDIMENT CONTROL ORDINANCE AT ALL TIMES DURING CONSTRUCTION.
- SEE ADDITIONAL NOTES ON SHEET 6 OF 6, WHICH NEED TO BE STRICTLY ADHERED TO AS WELL.

ARCHITECT NOTE:
IT IS THE RESPONSIBILITY OF THE ARCHITECT TO FINALIZE SITE LAYOUT & COORDINATE ELEMENTS WITH ENGINEER PRIOR TO CONSTRUCTION. FINAL GRADING & LAYOUT SHALL BE COORDINATED AND VERIFIED THROUGH ARCHITECT DRAWINGS.

BUILDING LOT COVERAGE:
NO EXISTING STRUCTURES
TOTAL EXISTING LOT COVERAGE = 0 SF

PROPOSED GARAGE - 3,500 SF

TOTAL PROPOSED LOT COVERAGE = 3,500 SF
TOTAL LOT AREA = 31,403 SF

LOT COVERAGE=
3,500 SF / 31,403 SF X 100% = 11.14%
11.14% TOTAL LOT COVERAGE < 25% O.K.

TOTAL LOT COVERAGE:
EXISTING GRAVEL PARKING AREA - 12,973 SF
TOTAL EXISTING LOT COVERAGE = 12,973 SF

PROPOSED BUILDING = 3,500 SF
PROPOSED ON-SITE SIDEWALK = 723 SF
PROPOSED PAVEMENT = 8,788 SF

TOTAL PROPOSED LOT COVERAGE = 13,011 SF
TOTAL LOT AREA = 31,011 SF

LOT COVERAGE=
13,011 SF / 31,403 SF X 100% = 43.14%
43.14% TOTAL LOT COVERAGE < 70% O.K.

PARKING REQUIREMENTS:
SERVICE BUSINESS: 1 SPOT / 300 SF GFA REQ.
3,500 SF PROPOSED x 1 SPOT/300 SF GFA = 11.7 REQ.

TOTAL PARKING SPOTS REQUIRED = 11.7
TOTAL PARKING SPOTS PROVIDED = 12

STATE PERMITS REQUIRED/APPLIED FOR:
RIDEM WETLANDS IA#10310 (7/31/25)
RIDEM STORMWATER IA#10310 (7/31/25)
RIDOT PAP#25-131 (8/8/25)

TEST HOLE DATA:
TH#1: HTM 0'-5'; LEDGE @ 5'; DRY TO 5'; HSG "C"
TH#2: HTM 0'-5'; NO LEDGE; DRY TO 7.5' HSG "C"

APPLICANT:
DAVID J. RAMOS
12 RUTH AVENUE
BRISTOL, RI 02809

OWNER (LOT 15):
DAVID J. RAMOS
12 RUTH AVENUE
BRISTOL, RI 02809

OWNER (LOT 16):
LIONEL J. RAMOS
9 SCOTT LANE
BRISTOL, RI 02809

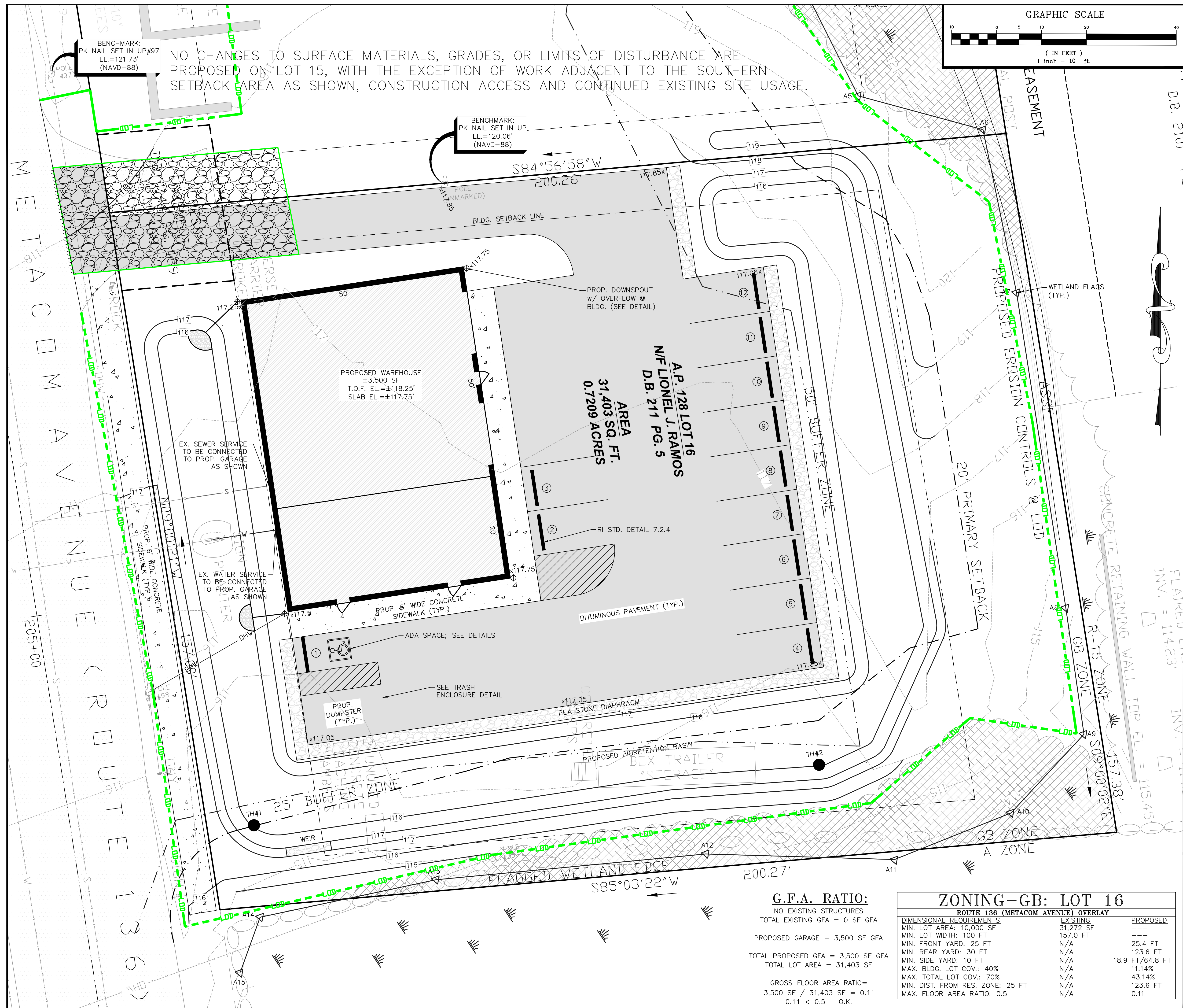
PROPOSED LAYOUT PLAN-LOT 16

Thomas J. Principe, III
REGISTERED PROFESSIONAL ENGINEER

PRINCIPE COMPANY, INC.
ENGINEERING DIVISION
27 SAKONNET RIDGE DRIVE
TIVERTON, RI 02878
401.816.5385
WWW.PRINCIPECOMPANY.COM

PRELIMINARY SUBMISSION
for
668 & 670 METACOM AVENUE
AP 128 LOTS 15 & 16
in
BRISTOL, RHODE ISLAND

SCALE: 1" = 10' **SHEET NO:** 3 of 10
DRAWN BY: KAB **DESIGN BY:** KAB **CHECKED BY:** TJP
DATE: 08/08/2025 **PROJECT NO.:** ERSC-2024-2



PLAN NOTES:

1. CONTRACTOR TO VERIFY BENCHMARK AND EXISTING CONDITIONS PRIOR TO COMMENCING CONSTRUCTION AND SHALL NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. PLAN IS TO BE USED SOLELY FOR THE USE OF THE SOIL EROSION, RUNOFF AND SEDIMENT CONTROL ORDINANCE FOR THE TOWN OF BRISTOL AND IS NOT AUTHORIZED FOR ANY OTHER USE. CONTRACTOR TO STRICTLY ADHERE TO BRISTOL'S SOIL EROSION, RUNOFF AND SEDIMENT CONTROL ORDINANCE AT ALL TIMES DURING CONSTRUCTION.
3. SEE ADDITIONAL NOTES ON SHEET 6 OF 6, WHICH NEED TO BE STRICTLY ADHERED TO AS WELL.

ARCHITECT NOTE:

IT IS THE RESPONSIBILITY OF THE ARCHITECT TO FINALIZE SITE LAYOUT & COORDINATE ELEMENTS WITH ENGINEER PRIOR TO CONSTRUCTION. FINAL GRADING & LAYOUT SHALL BE COORDINATED AND VERIFIED THROUGH ARCHITECT DRAWINGS.

BUILDING LOT COVERAGE:

NO EXISTING STRUCTURES
TOTAL EXISTING LOT COVERAGE = 0 SF

PROPOSED GARAGE - 3,500 SF

TOTAL PROPOSED LOT COVERAGE = 3,500 SF
TOTAL LOT AREA = 31,403 SF

LOT COVERAGE=
 $3,500 \text{ SF} / 31,403 \text{ SF} \times 100\% = 11.14\%$
 11.14% TOTAL LOT COVERAGE < 25% O.K

TOTAL LOT COVERAGE:

EXISTING GRAVEL PARKING AREA = 12,973 SF
TOTAL EXISTING LOT COVERAGE = 12,973 SF

PROPOSED BUILDING = 3,500 SF
PROPOSED ON-SITE SIDEWALK = 723 SF
PROPOSED PAVEMENT = 8,788 SF

TOTAL PROPOSED LOT COVERAGE = 13,011 SF
TOTAL LOT AREA = 31,011 SF

LOT COVERAGE=
13,011 SF / 31,403 SF X 100% = 43.14%
43.14% TOTAL LOT COVERAGE < 70% O.K.

PARKING REQUIREMENTS:

SERVICE BUSINESS: 1 SPOT / 300 SF GFA REQ.
3,500 SF PROPOSED x 1 SPOT/300 SF GFA = 11.7 REQ.

TOTAL PARKING SPOTS REQUIRED = 11.7
TOTAL PARKING SPOTS PROVIDED = 12


STATE PERMITS REQUIRED/APPLIED FOR:

RIDEM WETLANDS IA#10310 (7/31/25)
 RIDEM STORMWATER IA#10310 (7/31/25)
 RIDOT PAP#25-131 (8/8/25)

<u>APPLICANT:</u>	<u>OWNER (LOT 15):</u>	<u>OWNER (LOT 16):</u>
DAVID J. RAMOS	DAVID J. RAMOS	LIONEL J. RAMOS
12 RUTH AVENUE	12 RUTH AVENUE	9 SCOTT LANE
BRISTOL, RI 02809	BRISTOL, RI 02809	BRISTOL, RI 02809

DRAINAGE & GRADING PLAN—LOT 16

Thomas J. Principe, III



REGISTERED
PROFESSIONAL ENGINEER



PRINCIPLE COMPANY, INC.
ENGINEERING DIVISION

27 SAKONNET RIDGE DRIVE
TIVERTON, RI 02878
401.816.5385

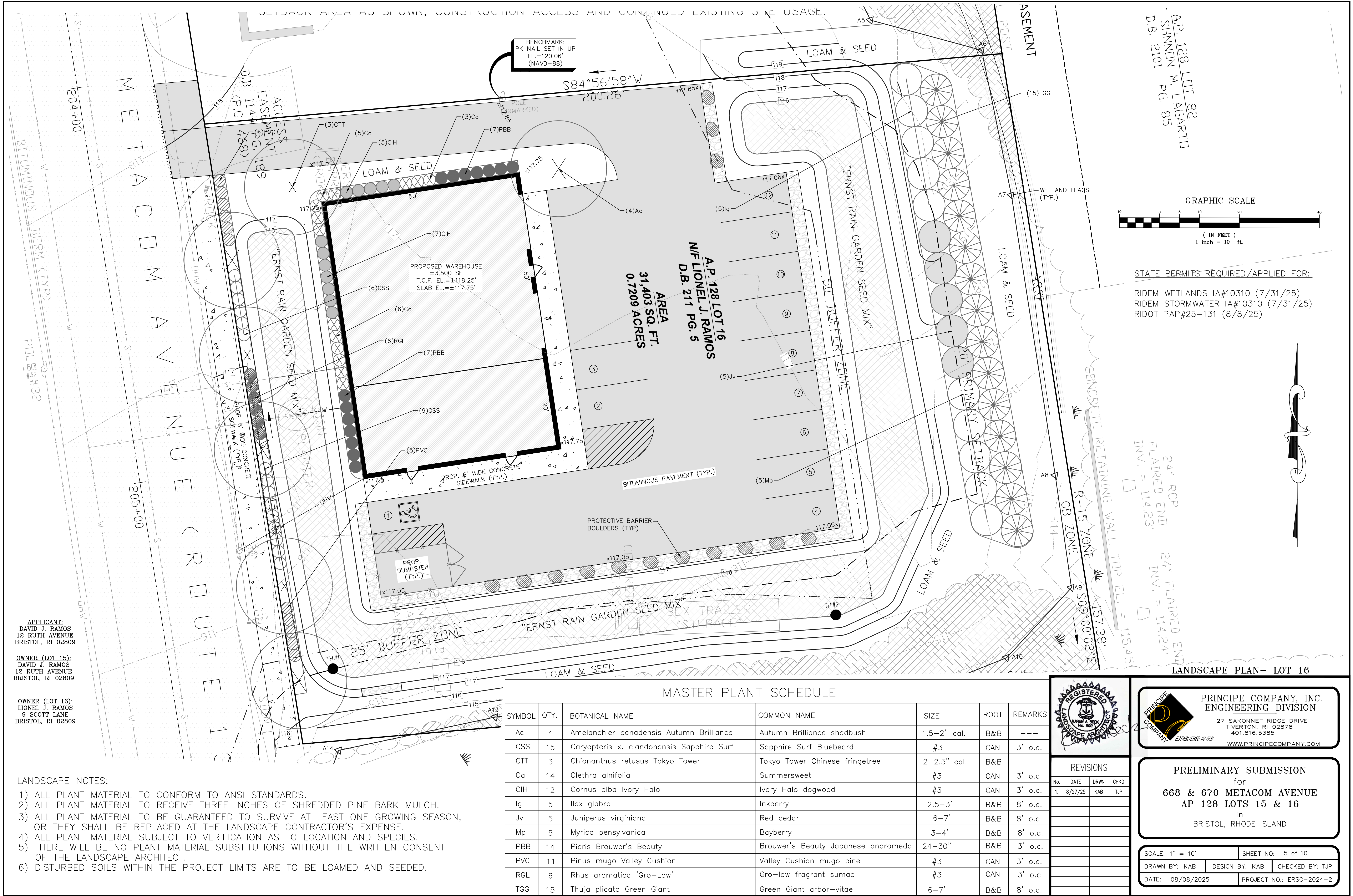
ESTABLISHED IN 1961

WWW.PRINCIPLECOMPANY.COM

[illegible]

PRELIMINARY SUBMISSION
for
668 & 670 METACOM AVENUE
AP 128 LOTS 15 & 16
in
BRISTOL, RHODE ISLAND

SCALE: 1" = 10'		SHEET NO: 4 of 10	
DRAWN BY: KAB	DESIGN BY: KAB	CHECKED BY: TJP	
DATE: 08/08/2025		PROJECT NO.: ERSC-2024-2	

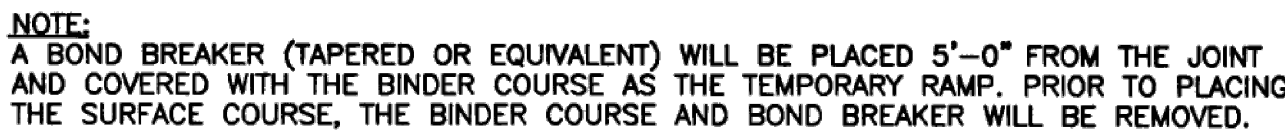


RHODE ISLAND DEPARTMENT OF TRANSPORTATION

CONSTRUCTION ACCESS

James H. Casabianca *Edmund B. Parker Jr.* JUNE 15, 1998

R.I.
STANDARD
9.9.0

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

TRANSVERSE PAVEMENT

CUT AND MATCH

James A. Casaldi Edmund J. Parker Jr. JUNE 15, 1998

R.I.
STANDARD
47.1.

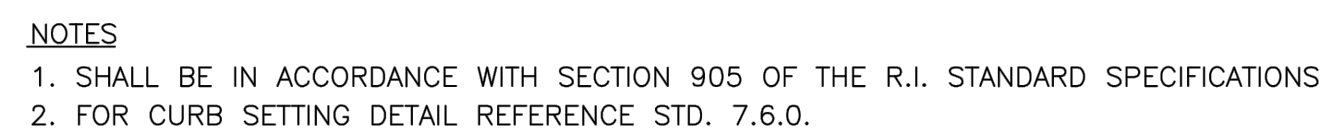


(IN FEET)
1 inch = 10 ft.

APPLICANT:
DAVID J. RAMOS

OWNER (LOT 15):
DAVID L. DAMOG

OWNER (LOT 16):
LIONEL L. DAMOG



RHODE ISLAND DEPARTMENT OF TRANSPORTATION

CEMENT CONCRETE SIDEWALK

JUNE 15, 1998

R.I.
STANDAR
43.1.

RIDOT NOTES:

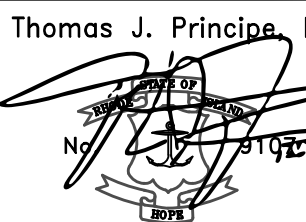
1. THERE WILL BE NO IMPACT TO THE STATE HIGHWAY DRAINAGE SYSTEM AS THERE IS NO PROPOSED INCREASE IN UNTREATED IMPERVIOUS AREA AND NO CHANGE IN WATERSHED FLOW.
2. ALL WORK TO BE DONE WITHIN THE STATE HIGHWAY RIGHT OF WAY (ROW) SHALL CONFORM TO THE RHODE ISLAND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AUGUST 2003 EDITION WITH ALL LATEST AMENDMENTS. 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.

STATE PERMITS REQUIRED/APPLIED FOR:

RIDEM WETLANDS IA#10310 (7/31/25)
RIDEM STORMWATER IA#10310 (7/31/25)
RIDOT PAP#25-131 (8/8/25)

1. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO FAMILIARIZE HIMSELF WITH ANY APPLICABLE LOCAL, STATE AND FEDERAL LAWS GOVERNING HIS INTENDED ACTIVITIES. OSHA REGULATIONS ARE APPLICABLE OF PROJECT SITE CONSTRUCTION ACTIVITIES.
2. ALL CONSTRUCTION WILL BE UNDERTAKEN IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE TOWN OF TIVERTON.
3. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF ALL EXISTING UTILITIES, STRUCTURES, AND ABUTTING PROPERTIES. THE COST OF ANY REPAIR OR REPLACEMENT OF DAMAGED ITEMS SHALL BE BORNE BY THE CONTRACTOR.
4. IF THE MUNICIPALITY REQUIRES A PROJECT PRE-CONSTRUCTION CONFERENCE, THE PROJECT DEVELOPER AND THE PROJECT CONTRACTOR WILL ATTEND AND WILL PROVIDE ALL REQUESTED MATERIALS PRIOR TO COMMENCING ANY WORK.
5. IF CEMENT CONCRETE MIX TRUCKS ARE TO BE WASHED OUT ON SITE, THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING A WASH OUT AREA WITH APPROPRIATE PROTECTION CONTROLS.
6. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING COLLECTION AND STORAGE LOCATIONS ON-SITE FOR ALL CONSTRUCTION DEBRIS AND TRASH SO THAT THIS MATERIAL DOES NOT BECOME A NEIGHBORHOOD NUISANCE.

RIDOT PAP PLAN



REGISTERED
PROFESSIONAL ENGINEER



PRINCIPE COMPANY, INC.
ENGINEERING DIVISION

27 SAKONNET RIDGE DRIVE
TIVERTON, RI 02878
401.816.5385
WWW.PRINCIPLECOMPANY.COM

WWW.PRINCIPFCOMPANY.COM

PRELIMINARY SUBMISSION

for
668 & 670 METACOM AVENUE
AP 128 LOTS 15 & 16

in
BRISTOL, RHODE ISLAND

SCALE: 1" = 10'		SHEET NO: 7 of 10	
DRAWN BY: KAB		DESIGN BY: KAB	CHECKED BY: TJP
DATE: 08/08/2025		PROJECT NO.: ERSC-2024-2	

SCALE: 1" = 10'	SHEET NO: 7 of 10
-----------------	-------------------

DRAWN BY: KAB	DESIGN BY: KAB	CHECKED BY:
---------------	----------------	-------------

DATE: 08/08/2025	PROJECT NO: FRSC-202
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SHEET NO: 7 of 10

GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO OBTAIN ANY AND ALL PERMITS REQUIRED BY THE STATE OF RHODE ISLAND AND THE MUNICIPALITY PRIOR TO COMMENCING ANY WORK.
- IT SHALL ALSO BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF ALL EXISTING UTILITIES, STRUCTURES, AND ADJUTING PROPERTIES. THE COST OF ANY REPAIR OR REPLACEMENT OF DAMAGED ITEMS SHALL BE BORNE BY THE CONTRACTOR.
- BEFORE STARTING ANY CONSTRUCTION THE CONTRACTOR SHALL COORDINATE INSTALLATION OF ANY HYDRANTS, WATER MAINS, BLOWOFF ASSEMBLIES, FITTINGS, AND VALVES WITH THE LOCAL WATER DEPARTMENT AS TO TYPE AND MANUFACTURER.
- THE CONTRACTOR SHALL COORDINATE ALL WORK WITH THE MUNICIPAL ENGINEERING DEPARTMENT AND ALL UTILITY INSTALLATIONS AND INSPECTIONS WITH THE APPROPRIATE UTILITY COMPANY. A 48 HOUR ADVANCE NOTICE IS REQUIRED BEFORE WORK COMMENCEMENT.
- ALL WORK PERFORMED HEREIN SHALL BE COVERED BY THE "R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (REVISION OF 1997)" WITH ALL CORRECTIONS AND ADDENDA AND THE 1974 R.I. STANDARD DETAILS WITH ALL CORRECTIONS AND ADDENDA AND THE TOWN OF BRISTOL STANDARD SPECIFICATIONS AND DETAILS.
- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR QUANTITY TAKE-OFF IN COMPUTING ANY ESTIMATES.
- EMBANKMENT SLOPES AND ALL DISTURBED AREAS ARE TO RECEIVE 4" OF TOPSOIL AND SEEDED, SEE EROSION CONTROL PROGRAM.
- UNLESS OTHERWISE SPECIFIED, ALL STORM DRAINS SHALL BE REINFORCED CONCRETE CLASS III PIPE.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION INDICATED ON THESE PLANS. THAT INCLUDES ANY CONSTRUCTION TO BRING UTILITIES TO SITE, ANY REPAIRS, ANY TRENCHING REQUIRED, HYDRANTS, ANY AND ALL CONSTRUCTION FOR ACCEPTANCE OF ROADS AND EASEMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION AND EROSION CONTROLS.
- THE LOCATION OF EXISTING UTILITIES AS SHOWN ARE APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR. "DIG SAFE" SHALL BE CONTACTED BY THE CONTRACTOR AS PART OF THIS VERIFICATION.
- IN ALL EXCAVATION AND PLACEMENT OF FILL, THE CONTRACTOR SHALL PERFORM THE WORK IN FULL COMPLIANCE WITH THE R.I. STANDARD SPECIFICATION SECTION 202.
- ALL WATER MAINS SHALL BE DEFLECTED ALONG A CURVE WITH A MINIMUM RADIUS OF 250' AT ANY LOCATION WHERE THIS IS NOT POSSIBLE, PROPER BENDS AND FITTINGS SHALL BE USED.
- ALL EXCESS SOIL, STUMPS, TREES, ROCKS, BOULDERS, AND OTHER REFUSE SHALL BE DISCARDED OFF SITE, IN ACCORDANCE WITH STATE AND LOCAL REGULATIONS.

EROSION CONTROL & SOIL STABILIZATION PROGRAM

- DENUDED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR EXCESSIVE PERIODS OF TIME SUCH AS THE INACTIVE WINTER SEASON.
- ALL DISTURBED SLOPES, EITHER NEWLY CREATED OR EXPOSED PRIOR TO OCTOBER 15, SHALL BE SEEDED OR PROTECTED BY THAT DATE, FOR ANY WORK COMPLETED DURING EACH CONSTRUCTION YEAR.
- THE TOPSOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS AND SHALL CONFORM WITH R.I. STD SPECIFICATION M 18.
- THE SEED MIX SHALL BE INOCULATED WITHIN 24 HOURS, BEFORE MIXING AND PLANTING, WITH APPROPRIATE INOCULUM FOR EACH VARIETY.
- THE DESIGN MIX SHALL BE COMPRISED OF THE FOLLOWING PERMANENT SEEDING MIXTURES:

A. MOWED AREA (ALL FLATS OR SLOPES LESS THAN 3:1)

MIXTURE:	% BY WEIGHT:	SEEDING DATES:
RED FESCUE	75	APRIL 1 - JUNE 15
KENTUCKY BLUEGRASS	15	AUGUST 15 - OCTOBER 15
COLONIAL BENTGRASS	5	
PERENNIAL RYEGRASS	5	
TOTAL:	100 lbs/Ac.	

B. UNMOWED AREA OR INFREQUENTLY MOWED (ALL SLOPES GREATER THAN 3:1)

MIXTURE:	% BY WEIGHT:	SEEDING DATES:
RED FESCUE	75	APRIL 1 - JUNE 15
COLONIAL BENTGRASS	5	AUGUST 15 - OCTOBER 15
PERENNIAL RYEGRASS	5	
BIRDFOOT TROFOIL	15	
TOTAL:	100 lbs/Ac.	
- TEMPORARY TREATMENTS SHALL CONSIST OF A STRAW, OR FIBER MULCH OR PROTECTIVE COVERS SUCH AS A MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, EXCELSIOR BLANKETS) THEY SHALL BE INCORPORATED INTO THE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
- STRAW APPLICATIONS SHOULD BE IN THE AMOUNT OF 3,000 - 4,000 lbs/Ac.
- ALL STRAW BALES OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP MINIMIZE THE EROSION. A TEMPORARY SEEDING GUIDE MUST BE INCLUDED AS A REFERENCE. THE FOLLOWING SPECIES ARE RECOMMENDED:

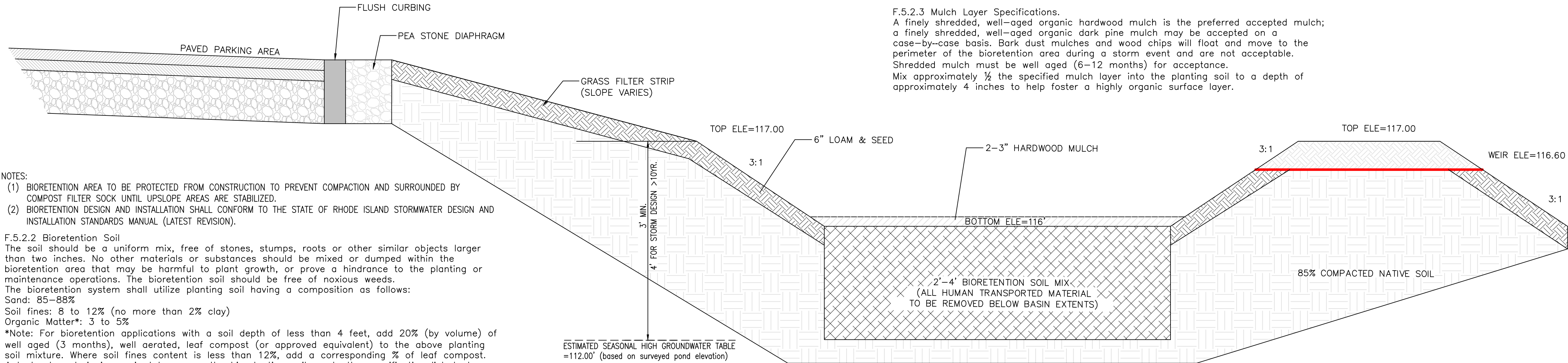
MIXTURE:	lbs./1,000 S.F.	lbs/Ac.	SEEDING DATES:
ANNUAL RYEGRASS	1.0 - 1.5	40 - 60	3/1 - 6/1
PERENNIAL RYEGRASS	1.0 - 1.5	40 - 60	3/1 - 6/1
SUDAN GRASS	0.7 - 1.0	30 - 40	5/15 - 8/15
MILLET	0.7 - 1.0	30 - 40	5/15 - 8/15
WINTER RYE	3.0	120	4/15 - 6/15
OATS	0.5 - 5.0	86 - 120	3/1 - 6/15
WEEPING COVER GRASS	0.5 - 5.0	5 - 20	5/1 - 7/1

ORDER OF PROCEDURE:

- PRIOR TO ANY CLEARING AND GRUBBING OR ANY ROUGH GRADING, TEMPORARY STRAW BALES AND SANDBAGS SHALL BE PLACED OUTSIDE THE LIMITS OF CONSTRUCTION AS PER THE PLANS (I.E. ALONG ROADWAYS, STREAM BANKS, CRITICAL AREAS, ETC.).
- ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE PERIODICALLY MAINTAINED AS PER THE RESPECTIVE PROGRAMS FOR TEMPORARY CONTROL.
- IF WORK PROGRESS IS TO BE INTERRUPTED AT ANY TIME, REFERENCE EROSION AND SEDIMENTATION PROGRAMS FOR TEMPORARY CONTROL.
- TEMPORARY STRAW BALES AND SANDBAGS ALONG AND AT THE ENDS OF ROADWAYS MAY ALSO BE REMOVED AFTER FINAL SOIL STABILIZATION HAS BEEN ACHIEVED AND APPROVED.
- STRAW BALES LOCATED AT DRAINAGE OUTLETS MUST REMAIN UNTIL SUCH TIME THAT A DESIRABLE STAND OF GRASS OR COVER HAS BEEN ESTABLISHED AND THE PROJECT RECEIVES A FAVORABLE APPROVAL FOR FINAL ACCEPTANCE FROM THE ENGINEER.

SEDIMENTATION CONTROL PROGRAM:

- RIP RAP SPLASH PADS SHALL BE INSTALLED AT THE OUTLETS FOR ALL CULVERTS DISCHARGING INTO A WATERWAY.
- EXTREME CARE SHALL BE EXERCISED SO AS TO PREVENT ANY UNSUITABLE MATERIAL ENTERING THE WETLANDS.
- ALL DISTURBED AREAS SUBJECT TO EROSION TENDENCIES WHETHER THEY ARE NEWLY FILLED OR EXCAVATED SHALL BE SEEDED AND PROTECTED WITH A FIBER MULCH.
- DURING CONSTRUCTION, THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL.
- SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.
- CARE SHOULD BE TAKEN SO AS NOT TO PLACE "REMOVED SEDIMENTS" WITHIN THE PATH OF EXISTING, NEWLY CREATED (BOTH TEMPORARY AND PERMANENT) OR PROPOSED WATERCOURSES OR THOSE AREAS SUBJECTED TO STORM WATER FLOW.
- ADDITIONAL STRAW BALES OR SANDBAGS SHALL BE LOCATED AS CONDITIONS WARRANT.
- ALL SEDIMENTS SHALL BE REMOVED FROM THE DRAINAGE AND DETENTION FACILITIES AS SCHEDULED FOR EACH FACILITY (SEE DETENTION BASIN MAINTENANCE, THIS SHEET).
- REFERENCE THE "R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK" PREPARED BY THE U.S. DEPT. OF AGRICULTURE, SOIL CONSERVATION SERVICE, 1989, AS A GUIDE.



NOTES:

- BIORETENTION AREA TO BE PROTECTED FROM CONSTRUCTION TO PREVENT COMPACTION AND SURROUNDED BY COMPOST FILTER SOCK UNTIL UPSLOPE AREAS ARE STABILIZED.
- BIORETENTION DESIGN AND INSTALLATION SHALL CONFORM TO THE STATE OF RHODE ISLAND STORMWATER DESIGN AND INSTALLATION STANDARDS MANUAL (LATEST REVISION).

F.5.2.2 Bioretention Soil

The soil should be a uniform mix, free of stones, stumps, roots or other similar objects larger than two inches. No other materials or substances should be mixed or dumped within the bioretention area that may be harmful to plant growth, or prove a hindrance to the planting or maintenance operations. The bioretention soil should be free of noxious weeds. The bioretention system shall utilize planting soil having a composition as follows:
Sand: 65-86%
Soil fines: 8 to 12% (no more than 2% clay)
Organic Matter*: 3 to 5%
*Note: For bioretention applications with a soil depth of less than 4 feet, add 20% (by volume) of well aged (3 months), well aerated, leaf compost (or approved equivalent) to the above planting soil mixture. Where soil fines content is less than 12%, add a corresponding % of leaf compost. A textural analysis is required to ensure the bioretention soil meets the specification listed above. The bioretention soil should also be tested for the following criteria:
pH range 5.2 - 7.0; magnesium not to exceed 32 ppm; phosphorus P205 not to exceed 69 ppm; potassium K20 not to exceed 78 ppm; soluble salts not to exceed 500 ppm.

BMP REQUIRED MAINTENANCE:

MONTHLY:

INSPECT AND REMOVE ANY TRASH
REMOVE ANY INVASIVE SPECIES PLANTS

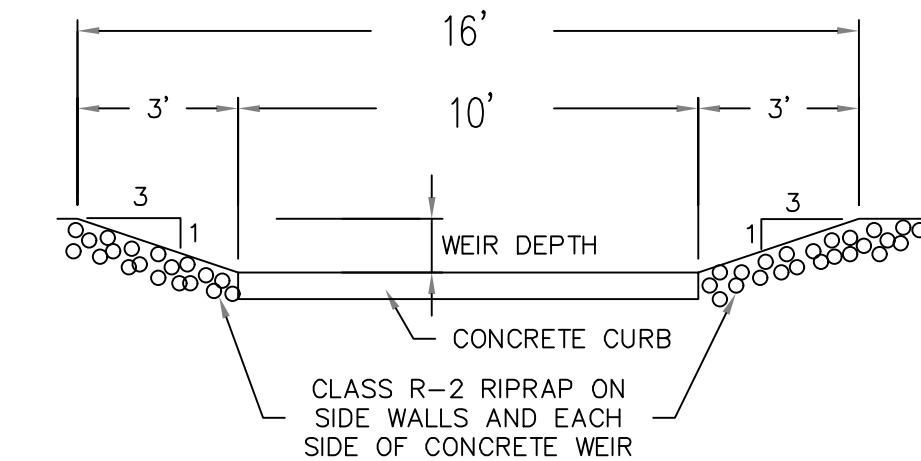
ANNUALLY:

MULCH- SPRING, AS NEEDED
REPLACE ANY DEAD VEGETATION-SPRING
REMOVE DEAD VEGETATION-FALL OR SPRING
PRUNE-SPRING

AS NEEDED:

REPLACE SOIL MEDIA AND PLANTS WHEN PONDING DOES
NOT SUBSIDE WITHIN 72 HRS
(CAREFUL MAINTENANCE SHOULD PROLONG THIS REQUIREMENT)

*ALL PLANT MATERIAL SHALL BE WATERED AND MAINTAINED
BY THE OWNER TO ASSURE THAT SUITABLE GROWTH HAS
BEEN ESTABLISHED.



Emergency Spillway / Overflow Weir Detail

NOT TO SCALE

EROSION CONTROL, SOIL STABILIZATION AND SEDIMENT CONTROL PLAN

- PRIOR TO THE COMMENCEMENT OF ANY CLEARING, GRUBBING, DEMOLITION OR EARTHWORK ACTIVITY, TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THE PLANS ARE TO BE INSTALLED BY THE CONTRACTOR.
- CONSTRUCTION ACCESS STABILIZATION ENTRANCE PADS ARE TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF SITE GRUBBING OR EARTHWORK ACTIVITY.
- EXISTING CATCH BASINS ARE TO BE PROTECTED WITH HAY BALES AND/OR SILT SACS PRIOR TO THE START OF SITE GRUBBING, EARTHWORK OR UNDERGROUND UTILITY AND DRAINAGE INFRASTRUCTURE INSTALLATION TO SERVE THE DEVELOPMENT SITE.
- THE PROJECT CONSTRUCTION SEQUENCE, TO THE EXTENT PRACTICAL, SHOULD REQUIRE THE INSTALLATION OF DOWN GRADE AND OFF SITE STORM DRAINAGE SYSTEM IMPROVEMENTS BEFORE THE START OF SITE GRUBBING AND EARTHWORK ACTIVITY.
- TEMPORARY SITE SLOPE TREATMENTS FOR SOIL STABILIZATION SHALL CONSIST OF STRAW, FIBER MULCH, RIP RAP OR PROTECTIVE COVERS SUCH AS MAT OR FIBER LINING (BURLAP, JUTE, FIBERGLASS NETTING, AND EXCELSIOR OR EQUAL PRODUCTS). THESE AND OTHER ACCEPTABLE MEASURES SHALL BE INCORPORATED INTO THE SITE WORK AS WARRANTED OR AS ORDERED BY THE ENGINEER.
- CONSTRUCTION SITES ARE DYNAMIC, THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION AND OR MOVEMENT AND MAINTENANCE OF EROSION CONTROLS, SOIL STABILIZATION AND SEDIMENT CONTROL MEASURES AS NEEDED TO MAXIMIZE THE INTENT OF THE PLAN FOR ALL SITE CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PERIODIC INSPECTION, MAINTENANCE, REPAIR, AND REPLACEMENT OF EROSION CONTROLS, SOIL STABILIZATION AND SEDIMENT CONTROL DEVICES UNTIL AN ACCEPTABLE PERMANENT VEGETATIVE GROWTH IS ESTABLISHED. THE CONTRACTOR SHALL MAINTAIN A DETAIL LOG OF ALL EROSION CONTROL INSPECTIONS, COMPLAINTS RELATED TO EROSION OR SEDIMENT, AND CORRECTIVE REMEDIAL MEASURES TAKEN THROUGHOUT THE COURSE OF THE PROJECT CONSTRUCTION.
- SOIL EROSION AND SEDIMENT CONTROL IS NOT LIMITED TO DAMAGES CAUSED BY WATER BUT ALSO INCLUDES EROSION AND SEDIMENT RESULTING FROM WINDS. MEASURES, SUCH AS TEMPORARY GROUND COVERS, WATER AND CALCIUM APPLICATIONS ARE TO BE UNDERTAKEN AS NEEDED TO MINIMIZE WIND RELATED SOIL AND DUST CONTROL.
- STOCK PILES OF EARTH MATERIALS SHALL NOT BE LOCATED NEAR WATERWAYS OR WETLANDS. STOCK PILES SHALL HAVE SIDE SLOPES NO GREATER THAN THIRTY PERCENT (30%). STOCK PILES SHALL BE SURROUNDED ON THE DOWN GRADIENT OF THE EXISTING GROUND SURFACE BY STRAW BALES OR SILT FENCE. THE STOCK PILES SHALL ALSO BE SEEDED OR STABILIZED IN SOME MANOR TO PREVENT SOIL EROSION.
- THE SMALLEST POSSIBLE SITE AREAS SHALL BE DISTURBED OR EXPOSED AT ONE TIME AND DENUDED SLOPES OR WORK AREAS SHALL NOT BE LEFT EXPOSED FOR EXCESSIVE PERIODS OF TIME, SUCH AS INACTIVE PERIODS OR SITE WORK SHUT DOWNS.
- TO THE EXTENT POSSIBLE, ALL DISTURBED AREAS MUST BE SEEDED OR STABILIZED WITHIN THE CONSTRUCTION SEASON. STABILIZATION OF ONE FORM OR ANOTHER SHALL BE ACHIEVED WITHIN FIFTEEN (15) DAYS OF FINAL GRADING.
- EXPOSED STEEP OR LONG SLOPES SHOULD BE TREATED WITH "CRIMPING" OR "TRACKING" TO REDUCE EROSION AND SEDIMENT AND TO TACK DOWN SEEDING OR MULCH APPLICATIONS.
- IF CONCRETE IS TO BE USED ON SITE, THE CONTRACTOR MUST ESTABLISH AND MAINTAIN SPECIFIC WASHOUT AREAS FOR THE CONCRETE TRUCKS WITH APPROPRIATE PROTECTION CONTROLS.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING AND MAINTAINING COLLECTION AND STORAGE LOCATIONS ON-SITE FOR ALL CONSTRUCTION DEBRIS AND TRASH SO THAT THIS MATERIAL DOES NOT BECOME A NEIGHBORHOOD NUISANCE.
- EXISTING TREES AND VEGETATION WILL BE RETAINED WHENEVER FEASIBLE.
- SITE SOIL EROSION AND SOIL STABILIZATION AND SEDIMENT CONTROLS MUST CONFORM TO ALL REQUIREMENTS OF THE APPLICABLE LOCAL COMMUNITY ORDINANCES AND STATE REGULATIONS.

F.5.2.3 Mulch Layer Specifications.

A finely shredded, well-aged organic hardwood mulch is the preferred accepted mulch; a finely shredded, well-aged organic dark pine mulch may be accepted on a case-by-case basis. Bark dust mulches and wood chips will float and move to the perimeter of the bioretention area during a storm event and are not acceptable. Shredded mulch must be well aged (6-12 months) for acceptance. Mix approximately 1/2 the specified mulch layer into the planting soil to a depth of approximately 4 inches to help foster a highly organic surface layer.

BIORETENTION AREA DETAIL

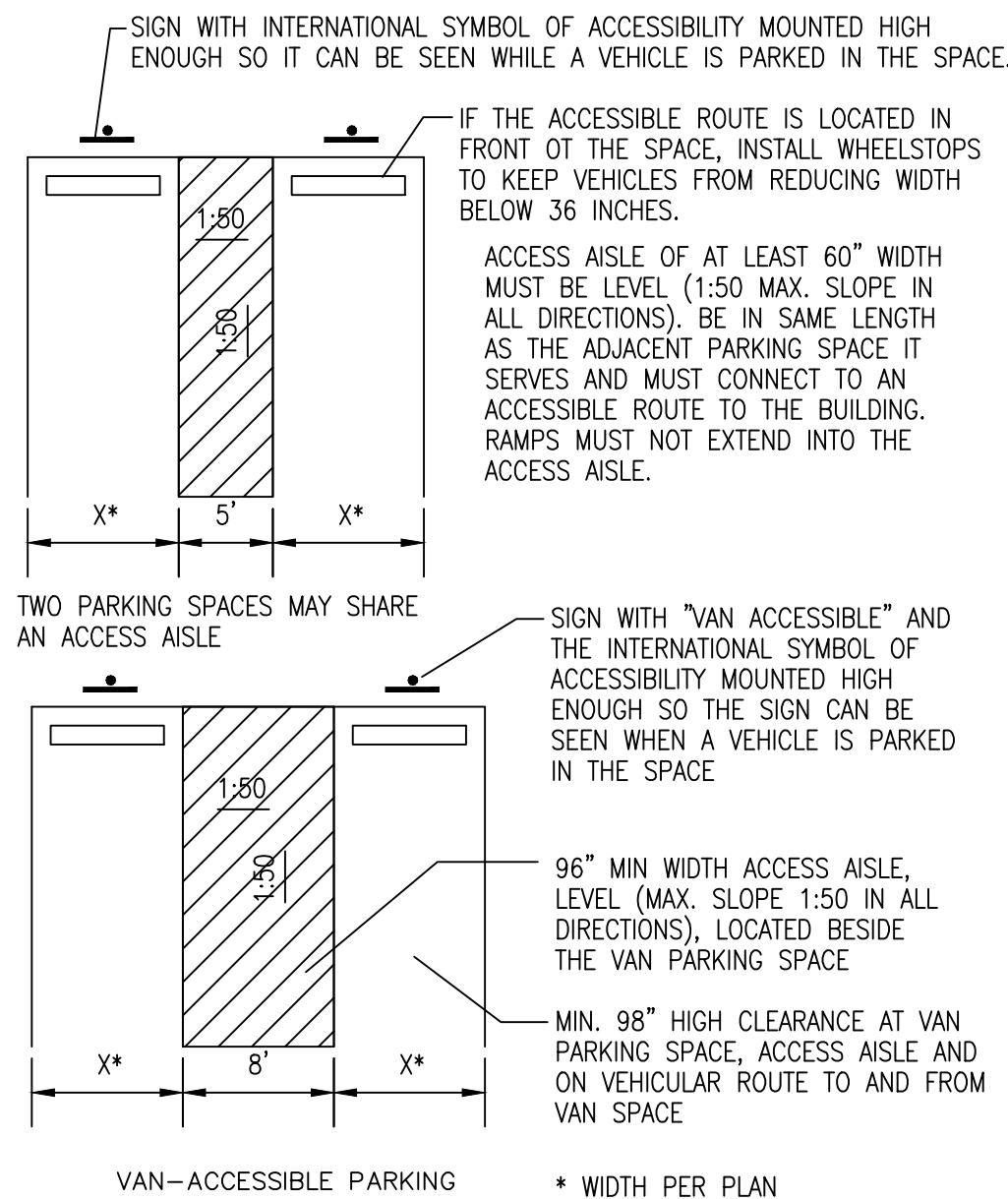
NOT TO SCALE

Rain Garden Mix - ERNMX-180

Botanical Name	Common Name	Price/Lb
25.60 % <i>Schizachyrium scoparium</i> , Fort Indiantown Gap-PA Ecotype	Little Bluestem, Fort Indiantown Gap-PA Ecotype	17.91
20.00 % <i>Elymus virginicus</i> , Madison-NY Ecotype	Virginia Wildrye, Madison-NY Ecotype	11.22
9.00 % <i>Carex vulpinoidea</i> , PA Ecotype	Fox Sedge, PA Ecotype	33.80
8.00 % <i>Echinacea purpurea</i>	Purple Coneflower	46.80
7.80 % <i>Chasmanthium latifolium</i> , WV Ecotype	River Oats, WV Ecotype	104.00
6.80 % <i>Panicum rigidulum</i> , PA Ecotype	Redtop Panicgrass, PA Ecotype	78.00
3.00 % <i>Coreopsis lanceolata</i>	Lanceleaf Coreopsis	31.20
3.00 % <i>Rudbeckia hirta</i>	Blackeyed Susan	33.80
2.50 % <i>Verbena hastata</i> , PA Ecotype	Blue Vervain, PA Ecotype	41.60
2.00 % <i>Chamaecrista fasciculata</i> , PA Ecotype	Partridge Pea, PA Ecotype	13.00
2.00 % <i>Panicum clandestinum</i> , Tioga	Deertongue, Tioga	23.87
1.50 % <i>Asclepias incarnata</i> , PA Ecotype	Swamp Milkweed, PA Ecotype	192.40
1.50 % <i>Heliopsis helianthoides</i> , PA Ecotype	Oxeye Sunflower, PA Ecotype	36.40
1.30 % <i>Penstemon digitalis</i> , PA Ecotype	Tall White Beardtongue, PA Ecotype	182.00
1.20 % <i>Zizia aurea</i> , PA Ecotype	Golden Alexanders, PA Ecotype	62.40
0.70 % <i>Pycnanthemum tenuifolium</i>	Narrowleaf Mountainmint	260.00
0.50 % <i>Aster novae-angliae</i>	New England Aster	390.00
0.50 % <i>Baptisia australis</i> , Southern WV Ecotype	Blue False Indigo, Southern WV Ecotype	104.00
0.50 % <i>Juncus effusus</i>	Soft Rush	52.00
0.50 % <i>Juncus tenuis</i> , PA Ecotype	Path Rush, PA Ecotype	65.00
0.50 % <i>Senna hebecarpa</i> , VA & WV Ecotype	Wild Senna, VA & WV Ecotype	31.20
0.50 % <i>Vernonia noveboracensis</i> , PA Ecotype	New York Ironweed, PA Ecotype	286.00
0.30 % <i>Monarda fistulosa</i> , Fort Indiantown Gap-PA Ecotype	Wild Bergamot, Fort Indiantown Gap-PA Ecotype	104.00
0.20 % <i>Aster lateriflorus</i>	Calico Aster	364.00
0.20 % <i>Solidago nemoralis</i> , PA Ecotype	Gray Goldenrod, PA Ecotype	312.00
0.10 % <i>Aster pilosus</i> , PA Ecotype	Heath Aster, PA Ecotype	286.00
0.10 % <i>Eupatorium perfoliatum</i> , PA Ecotype	Boneset, PA Ecotype	208.00
0.10 % <i>Mimulus ringens</i> , PA Ecotype	Square Stemmed Monkeyflower, PA Ecotype	260.00
0.10 % <i>Solidago juncea</i> , PA Ecotype	Early Goldenrod, PA Ecotype	364.00

100.00 %

Seeding Rate: 20 lb per acre with a cover crop. For sites that drain within 24 hours of a rain event use one of the following cover crops:Oats (1 Jan to 31 Jul; 30 lbs/acre), Japanese Millet (1 May to 31 Aug; 10 lbs/acre), or grain rye (1 Aug to 31 Dec; 30 lbs/acre).



HANDICAP PARKING SPACES

NOT TO SCALE

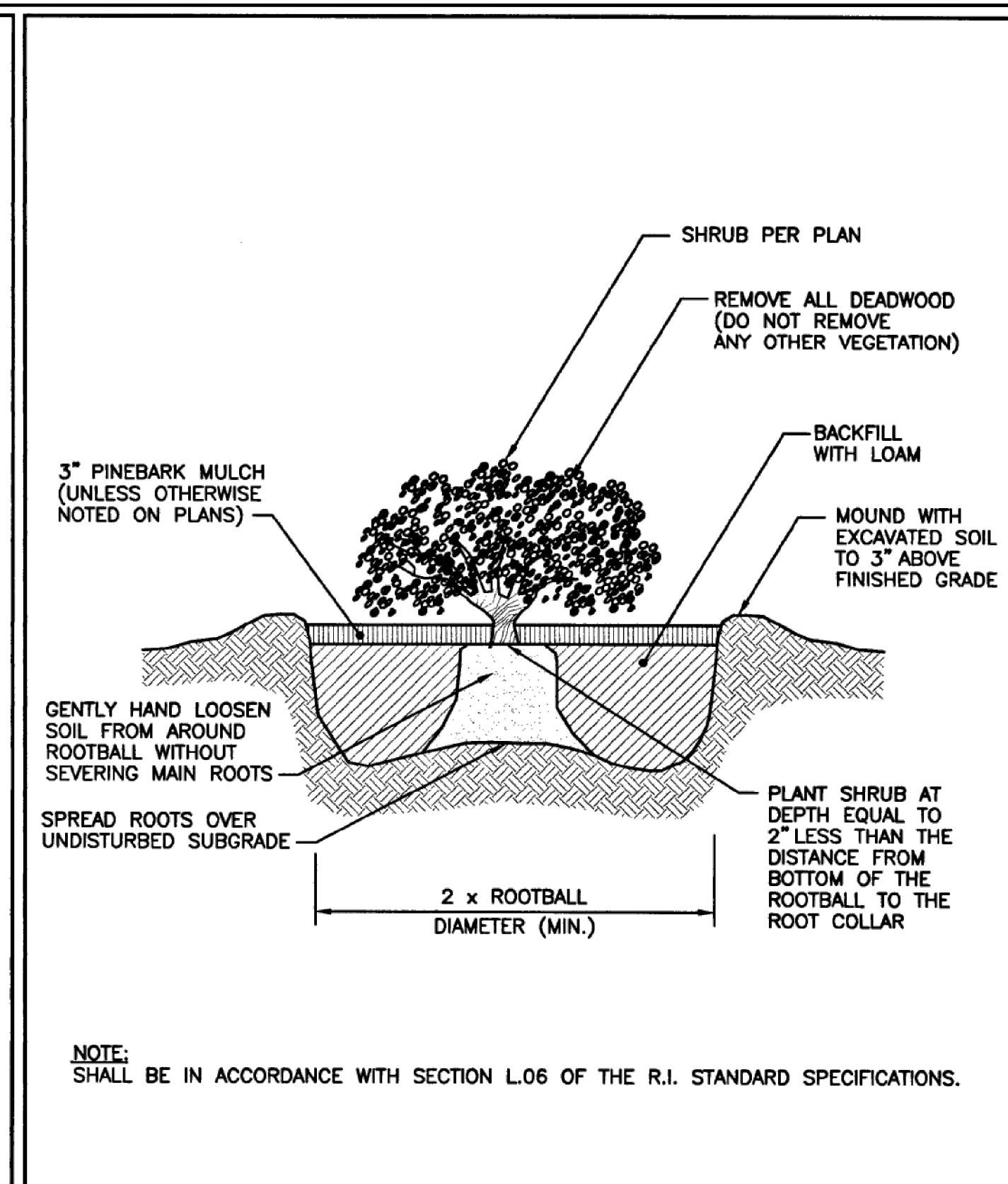
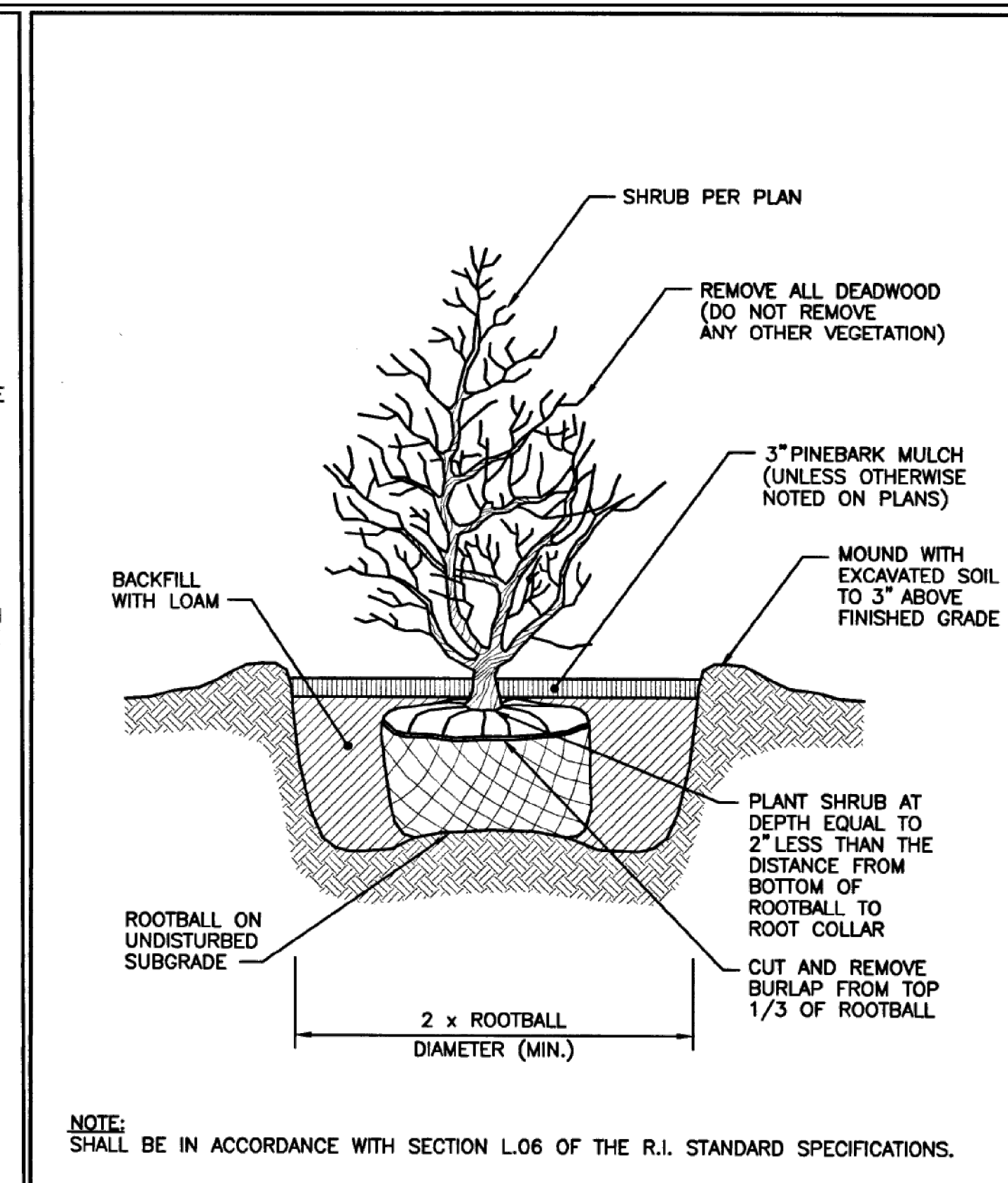
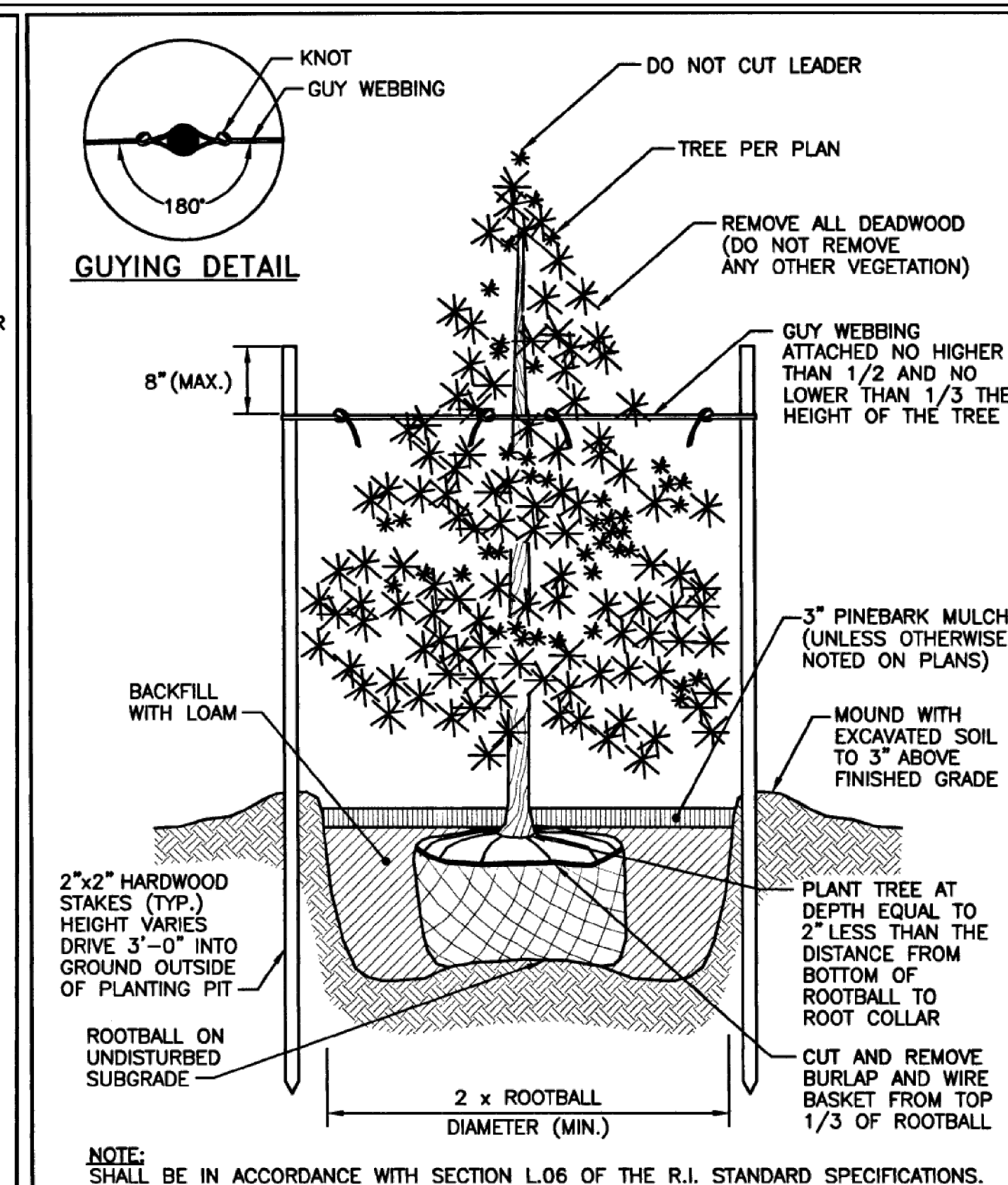
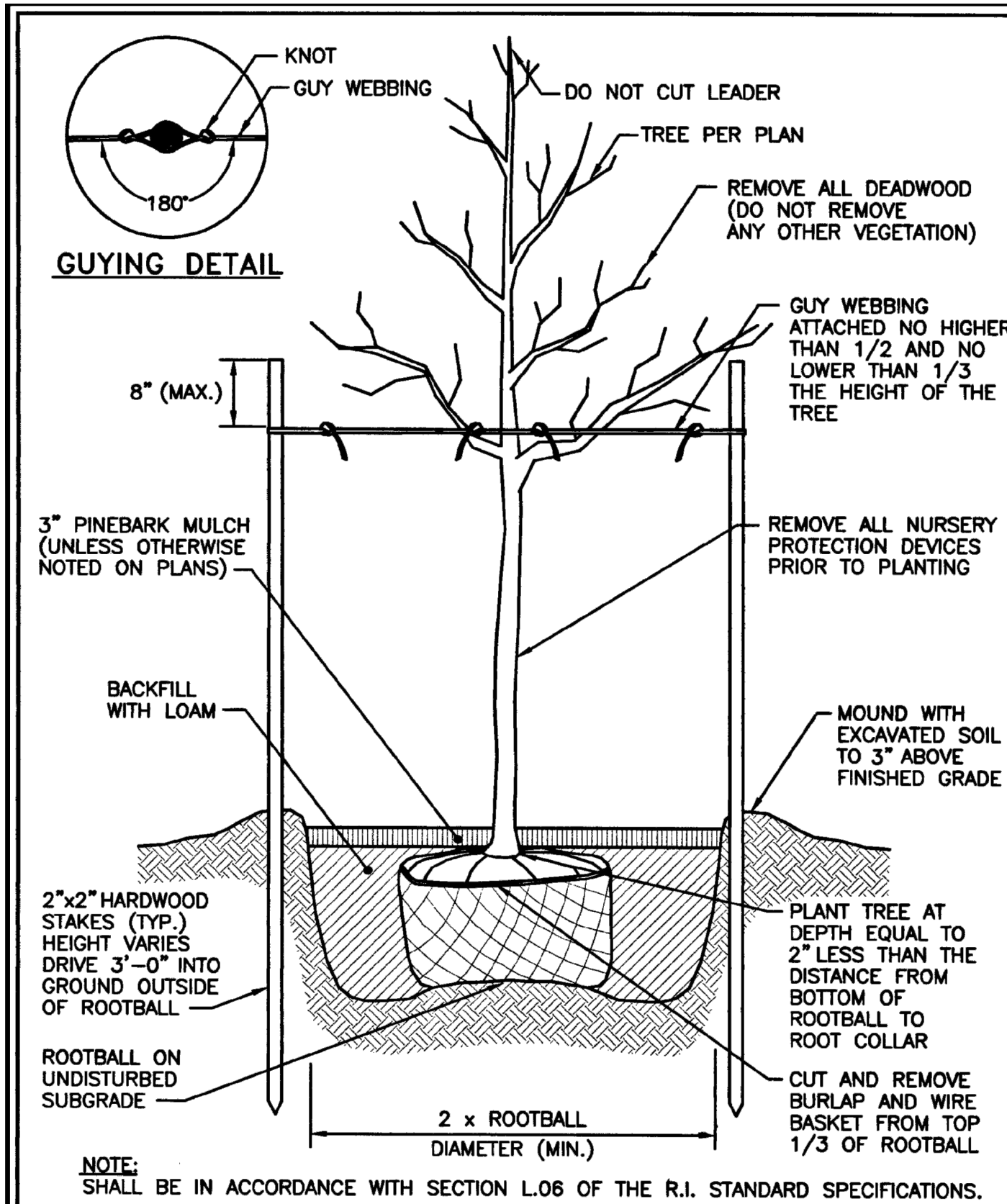
APPLICANT: DAVID J. RAMOS
12 RUTH AVENUE
BRISTOL, RI 02809




OWNER (LOT 15): DAVID J. RAMOS
12 RUTH AVENUE
BRISTOL, RI 02809



OWNER (LOT 16): LIONEL J. RAMOS
9 SCOTT LANE
BRISTOL, RI 02809



CONSTRUCTION DETAILS-1

	PRINCIPE COMPANY, INC. ENGINEERING DIVISION 27 SAKONNET RIDGE DRIVE TIVERTON, RI 02878 401.616.5385 WWW.PRINCIPECOMPANY.COM
PRELIMINARY SUBMISSION for 668 & 670 METACOM AVENUE AP 128 LOTS 15 & 16 in BRISTOL, RHODE ISLAND	
SCALE: AS NOTED SHEET NO: 8 of 10	
DRAWN BY: KAB	DESIGN BY: KAB
DATE: 08/08/2025	CHECKED BY: TJP
PROJECT NO.: ERSC-2024-2	



RHODE ISLAND DEPARTMENT OF TRANSPORTATION			
REVISONS		LARGE TREE STAKING AND PLANTING DETAIL (2" CALIPER AND GREATER)	
NO.	BY DATE		
		 	R.I. STANDARD 50.1.0
		CHIEF ENGINEER TRANSPORTATION	DEPT. DESIGN ENGINEER TRANSPORTATION
		JUNE 15, 1998 ISSUE DATE	

RHODE ISLAND DEPARTMENT OF TRANSPORTATION			
REVISIONS		<div style="font-size: 1.2em; font-weight: bold;">EVERGREEN TREE PLANTING DETAIL</div> <div style="font-size: 1.5em; font-weight: bold;">(4'-0" HIGH AND GREATER)</div>	
NO.	BY	DATE	<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;">  <small>CLERK ENGINEER RHODE ISLAND</small> </div> <div style="width: 45%;">  <small>SENIOR DESIGN ENGINEER</small> </div> </div> <div style="text-align: right; margin-top: 10px;"> JUNE 15, 1998 <small>ISSUE DATE</small> </div>
			

RHODE ISLAND DEPARTMENT OF TRANSPORTATION			
REVISIONS		BALL AND BURLAP SHRUB PLANTING DETAIL	
NO.	BY	DATE	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <small>CHRIS EMERY ENGINEER TRANSPORTATION</small> </div> <div style="text-align: center;">  <small>DAVID P. BAKER ENGINEER TRANSPORTATION</small> </div> <div style="text-align: right;"> JUNE 15, 1998 <small>ISSUE DATE</small> </div> </div>
			<div style="border: 2px solid black; border-radius: 50%; width: 80px; height: 80px; margin: 0 auto; display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> <small>R.I. STANDARD</small> 50.3.0 </div> </div>

RHODE ISLAND DEPARTMENT OF TRANSPORTATION				
REVISIONS			CONTAINER GROWN SHRUB PLANTING DETAIL	R.I. STANDARD 50.3.1
NO.	BY	DATE		
			<i>James J. Gault</i> CHIEF ENGINEER TRANSPORTATION	<i>Edward J. Patis</i> CHIEF DESIGN ENGINEER TRANSPORTATION

[illegible]