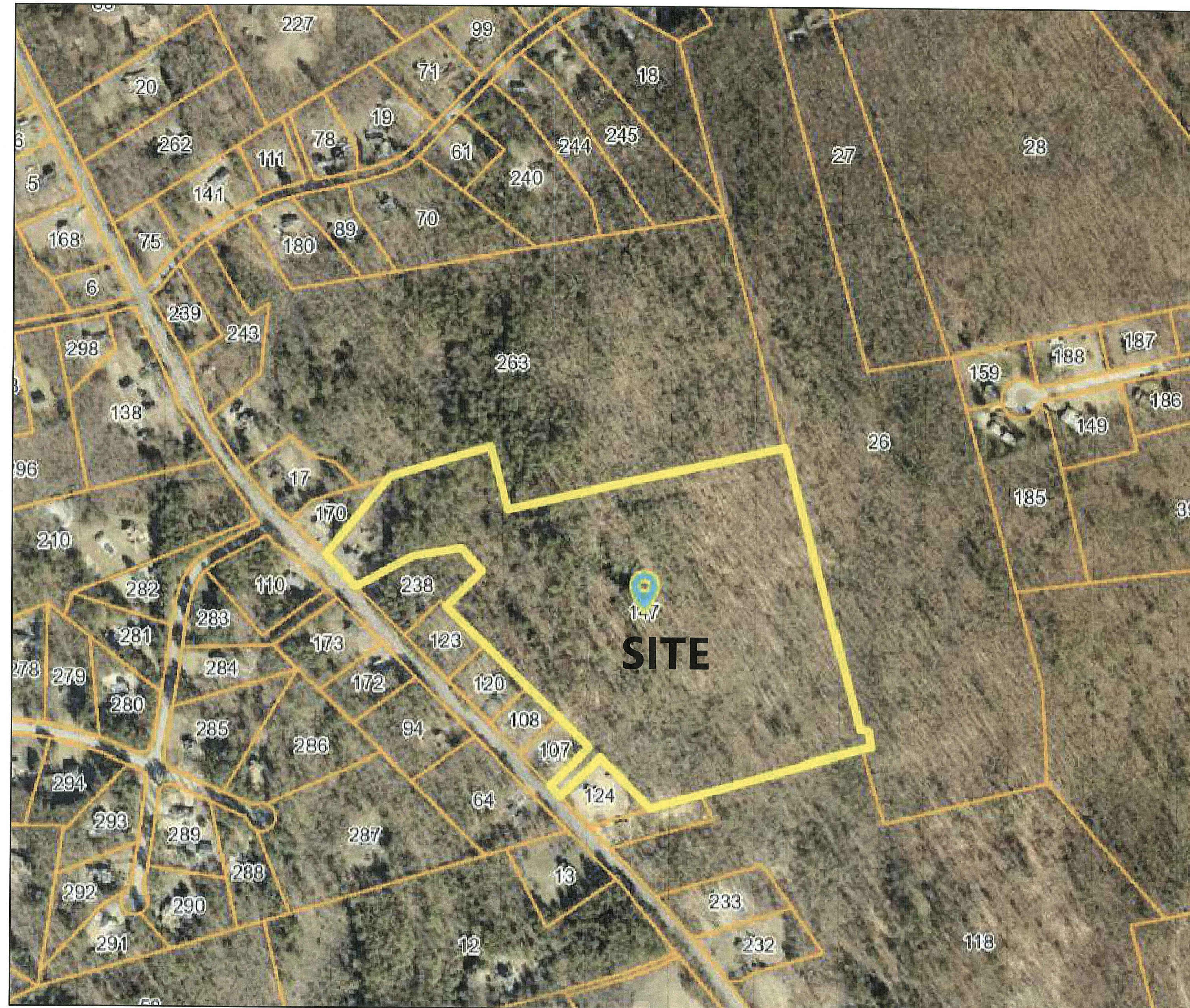
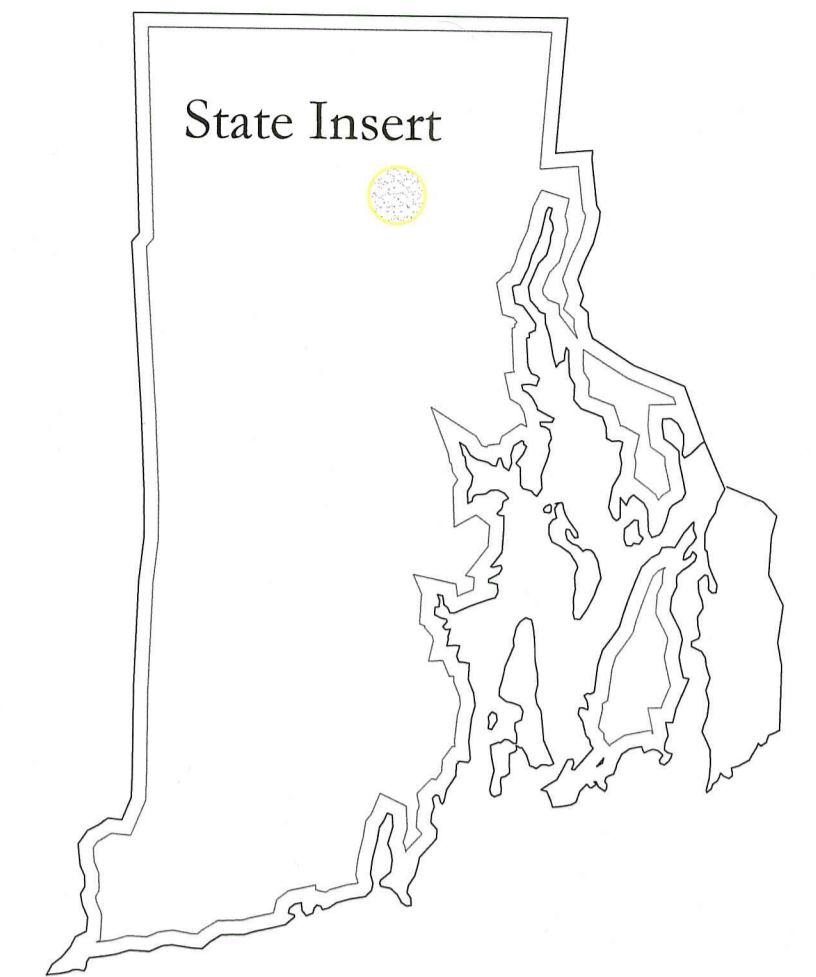



# PROPOSED SINGLE FAMILY DWELLING

A.P. 8 Lot 147  
566 PROVIDENCE PIKE NORTH SMITHFIELD, RI

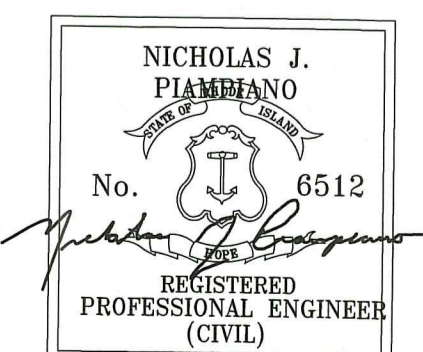


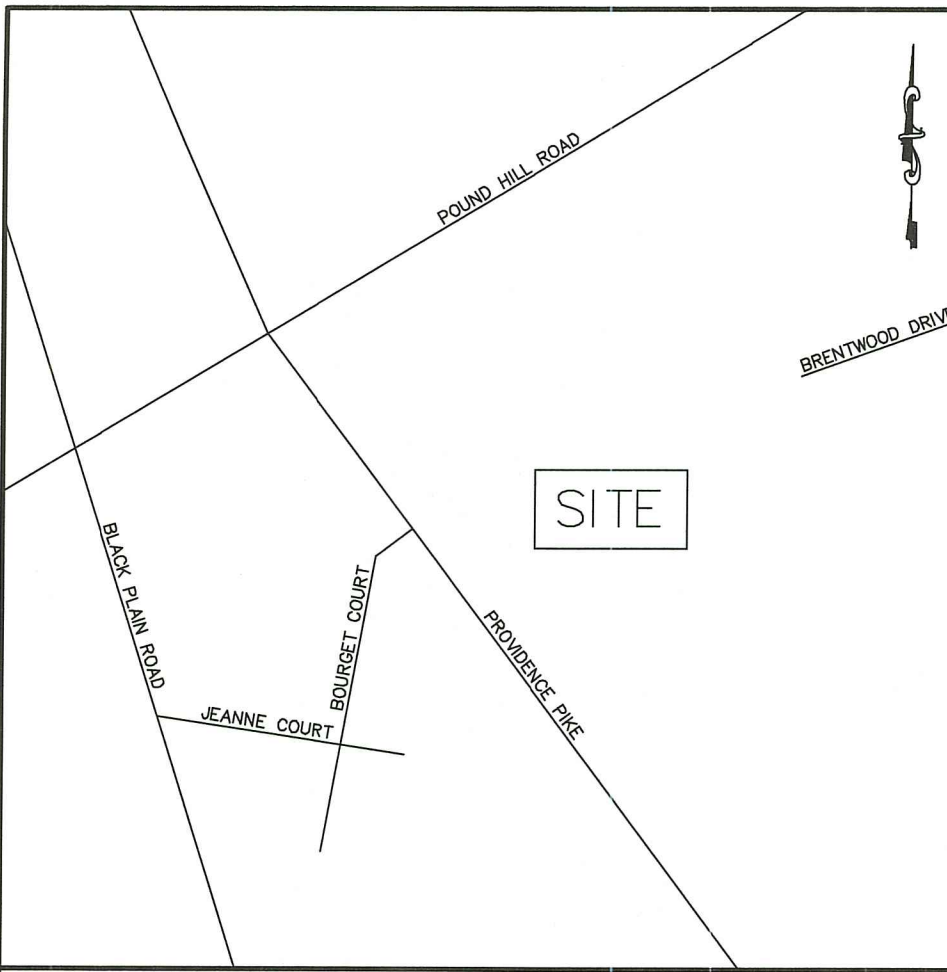
|   |
|---|
| <b>Applicant:</b><br>DONNA CORRIVEAU<br>566 PROVIDENCE PIKE<br>NORTH SMITHFIELD, RI 02896   |
| <b>Owner:</b><br>LEMIEUX FAMILY TRUST-JEANNINE T LEMIEUX TRUSTEE<br>C/O DONNA CORRIVEAU<br>566 PROVIDENCE PIKE<br>NORTH SMITHFIELD, RI 02896  |
| <b>Land Surveyor:</b><br>DARVEAU LAND SURVEYING, INC<br>PO BOX 7918<br>CUMBERLAND, RI 02861   |
| <b>Civil Engineer:</b><br><b>ADVANCED CIVIL DESIGN</b> <br>EST. 2001<br><small>P.O. BOX 253<br/>                 180 DANIELSON PIKE<br/>                 SCITOWATE, RI 02887<br/>                 (401) 941-8955</small> |

| Sheet Index |                          |             |               |
|-------------|--------------------------|-------------|---------------|
| #           | SHEET TITLE              | DATE ISSUED | LAST REVISION |
| N/A         | COVERSHEET               | 8/6/2025    | 8/6/2025      |
| 1           | EXISTING CONDITIONS PLAN | 6/10/2024   |               |
| 2           | EXISTING CONDITIONS PLAN | 6/10/2024   |               |
| 3           | EXISTING CONDITIONS PLAN | 6/10/2024   |               |
| 4           | PROPERTY LINE PLAN       | 6/10/2024   |               |
| 5           | PROPOSED SITE PLAN       | 6/10/2024   |               |
| 6           | PROPOSED OWTS PLAN       | 6/10/2024   |               |
| 7           | PROPOSED OWTS PLAN       | 6/10/2024   |               |
| 8           | OVERALL SITE PLAN        | 6/2024      | 6/1/2025      |
| 9           | DETAILS                  | 6/2024      | 8/6/2025      |

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS AS  
 SPECIFIED IN THE LETTER OF APPROVAL  
 DATED: MAR 26 2025 FILE #: 24-018-3  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Gregory D. Wenzel*

PLAN FOR NOTICE



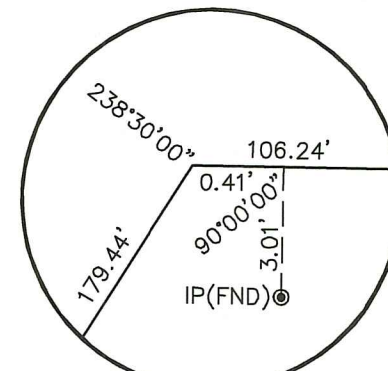


**LEGEND**

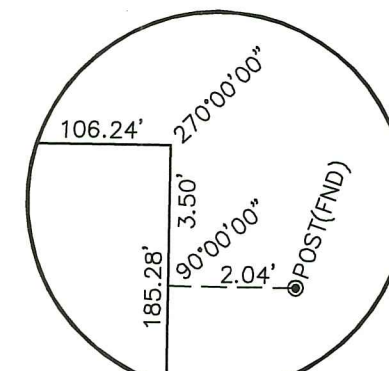
|      |                    |
|------|--------------------|
| DH   | DRILL HOLE         |
| FSB  | FIELD STONE BOUND  |
| GB   | GRANITE BOUND      |
| IP   | IRON PIPE          |
| RIHB | R.I. HIGHWAY BOUND |
| STA. | STATION            |
| FND  | FOUND              |
| N/F  | NOW OR FORMERLY    |
| S.F. | SQUARE FEET        |
| BK   | BOOK               |
| PG   | PAGE               |

**ZONING INFORMATION:**  
 THE PARCEL IS ZONED: RA.  
 MINIMUM LOT AREA = 65,000 S.F.  
 MINIMUM LOT FRONTAGE = 200 FEET  
 MINIMUM BUILDING SETBACKS:  
 FRONT YARD = 40 FEET  
 SIDE YARD = 25 FEET  
 REAR YARD = 40 FEET  
 BUILDING COVERAGE = 25%

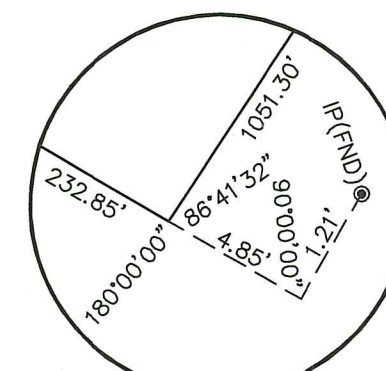
**LOCUS**  
 NOT TO SCALE



**DETAIL "A"**  
 NOT TO SCALE

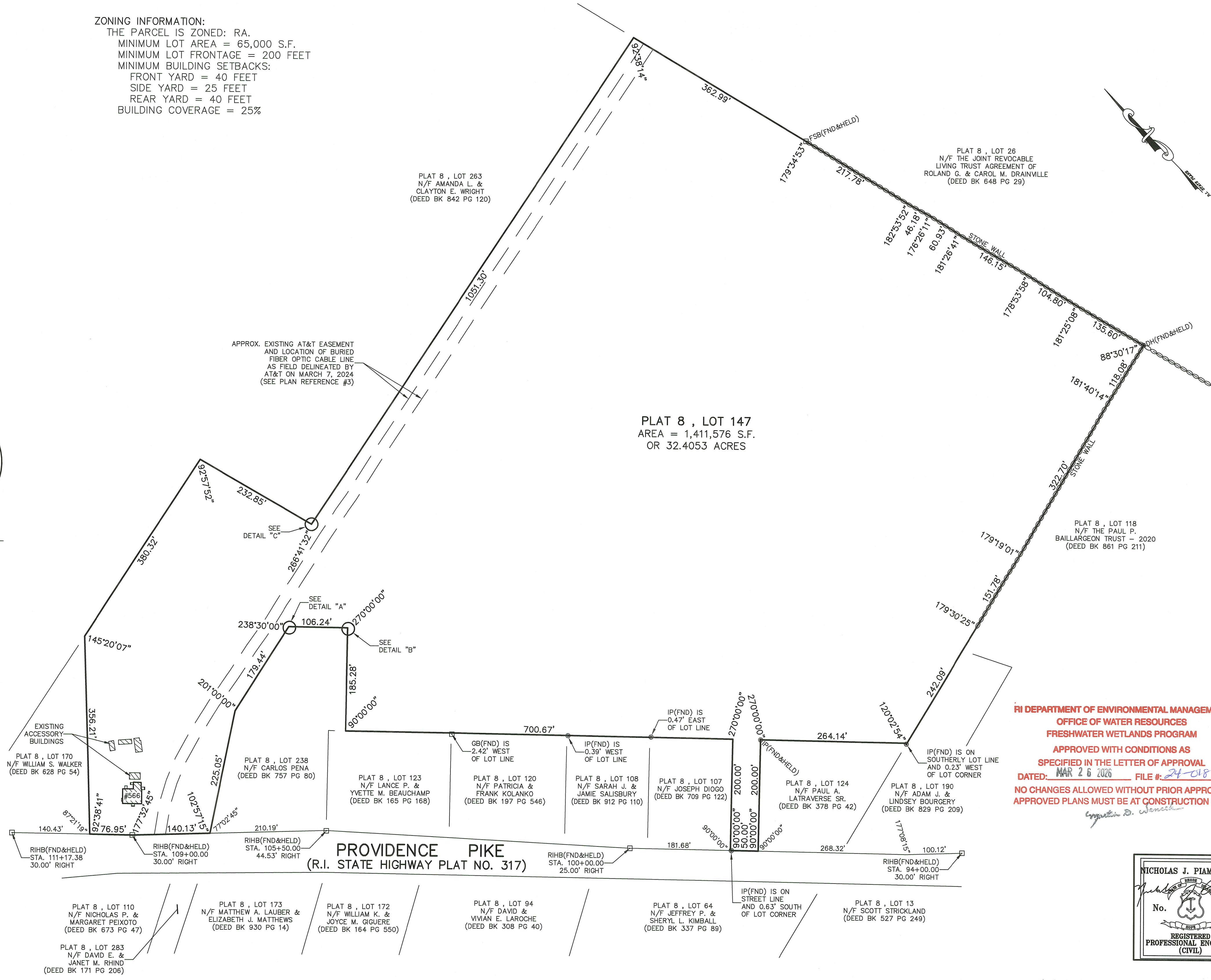


**DETAIL "B"**  
 NOT TO SCALE



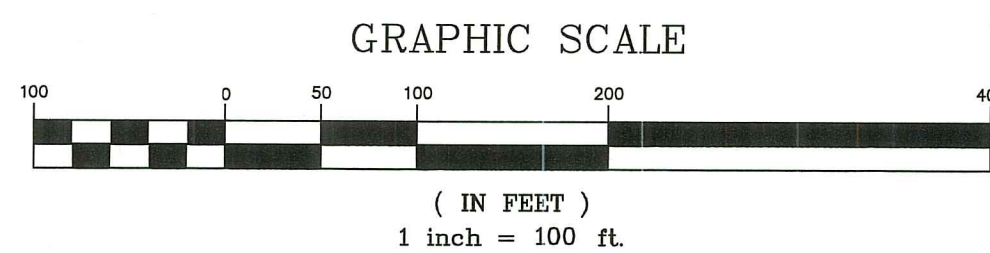
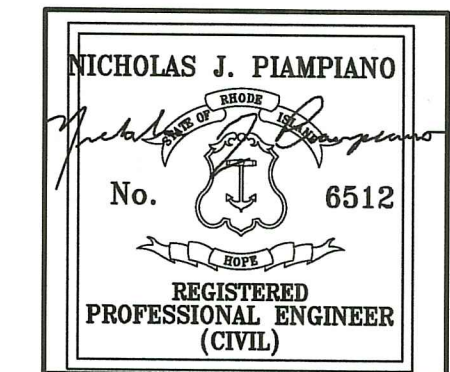
**DETAIL "C"**  
 NOT TO SCALE

- GENERAL NOTES:**
1. THE PARCEL IS PLAT 8, LOT 147.
  2. THE TOTAL PARCEL AREA IS 1,411,576 S.F. OR 32.4053 ACRES.
  3. SEE DEED BOOK 601 AT PAGE 68 FOR TITLE REFERENCE.
  4. THE BASIS OF BEARING FOR THIS PLAN IS RHODE ISLAND STATE PLANE COORDINATE SYSTEM (NAD83).
  5. THE PARCEL IS LOCATED IN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON NATIONAL FLOOD INSURANCE RATE MAP 44007C0152G FOR THE TOWN OF NORTH SMITHFIELD, DATED: MARCH 2, 2009.



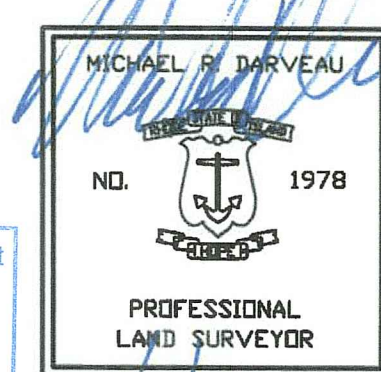
**PLAT 8, LOT 147**  
 AREA = 1,411,576 S.F.  
 OR 32.4053 ACRES

**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
**OFFICE OF WATER RESOURCES**  
**FRESHWATER WETLANDS PROGRAM**  
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED: MAR 26 2026 FILE #: 24-0183  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE



- PLAN REFERENCES:**
1. PLAN ENTITLED "ADMINISTRATIVE SUBDIVISION FOR THEODORE SR. & ELMA P. LEMIEUX, 520 PROVIDENCE PIKE, NORTH SMITHFIELD, RHODE ISLAND, DECEMBER 1996, SCALE: 1"=120', BY NATIONAL SURVEYORS-DEVELOPERS, INC.," WHICH IS RECORDED IN THE TOWN OF NORTH SMITHFIELD REGISTRY OF DEEDS AT CABINET 45-A.
  2. PLAN ENTITLED "PLAN OF LAND, NORTH SMITHFIELD, R.I., SURVEYED FOR THEODORE LEMIEUX, JAN. 1969, SCALE: 1 IN. = 50 FT., BY STANLEY H. MOWRY, SURVEYOR," WHICH IS RECORDED IN THE TOWN OF NORTH SMITHFIELD REGISTRY OF DEEDS IN SHELF #28.
  3. UNRECORDED PLAN ENTITLED "AT&T, BLACKSTONE TO PROVIDENCE FTG 'A' RESTORE AND REBUILD, ET 09393-118, SCALE: 1" = 100', AS-BUILT RECORD 11/29/93, PREPARED BY MICHAEL BAKER JR., INC. CONSULTING ENGINEERS, BEAVER, PENNSYLVANIA."

Environmental Management  
 SEP 05 2026  
 Office of Water Resources



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 REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015, AS FOLLOWS:

**TYPE OF SURVEY:**  
 LIMITED CONTENT BOUNDARY SURVEY  
 DATA ACCUMULATION SURVEY  
 TOPOGRAPHIC ACCURACY

**MEASUREMENT SPECIFICATION:**  
 CLASS I  
 CLASS III  
 T-2

**STATEMENT OF PURPOSE:**  
 THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:

- 1) PREPARE A WETLAND PLAN.

BY: *Michael R. Darveau*  
 MICHAEL R. DARVEAU, PLS#1978  
 PRESIDENT, DARVEAU LAND SURVEYING, INC.

DATE: 6/1/25  
 COA #LS-A497

**WETLAND PLAN**

EXISTING CONDITIONS PLAN FOR  
**DONNA CORRIVEAU**  
 PLAT 8, LOT 147  
 566 PROVIDENCE PIKE  
 NORTH SMITHFIELD, RHODE ISLAND

**DARVEAU LAND SURVEYING, INC.**  
 786 GREAT ROAD, SUITE 5  
 NORTH SMITHFIELD, R.I. 02896  
 PHONE: 401-475-5700  
 E-MAIL: MIKE@DARVEAUSURVEY.COM

|             |              |           |               |
|-------------|--------------|-----------|---------------|
| PROJECT NO: | 2023_016     | SCALE:    | 1" = 100'     |
| REVISION:   | JUNE 1, 2025 | DRAWN BY: | S.A.K.        |
| SHEET NO:   | 1 OF 9       | DATE:     | JUNE 10, 2024 |

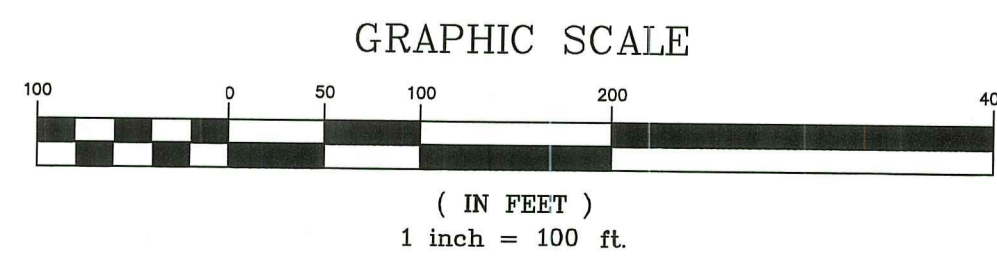
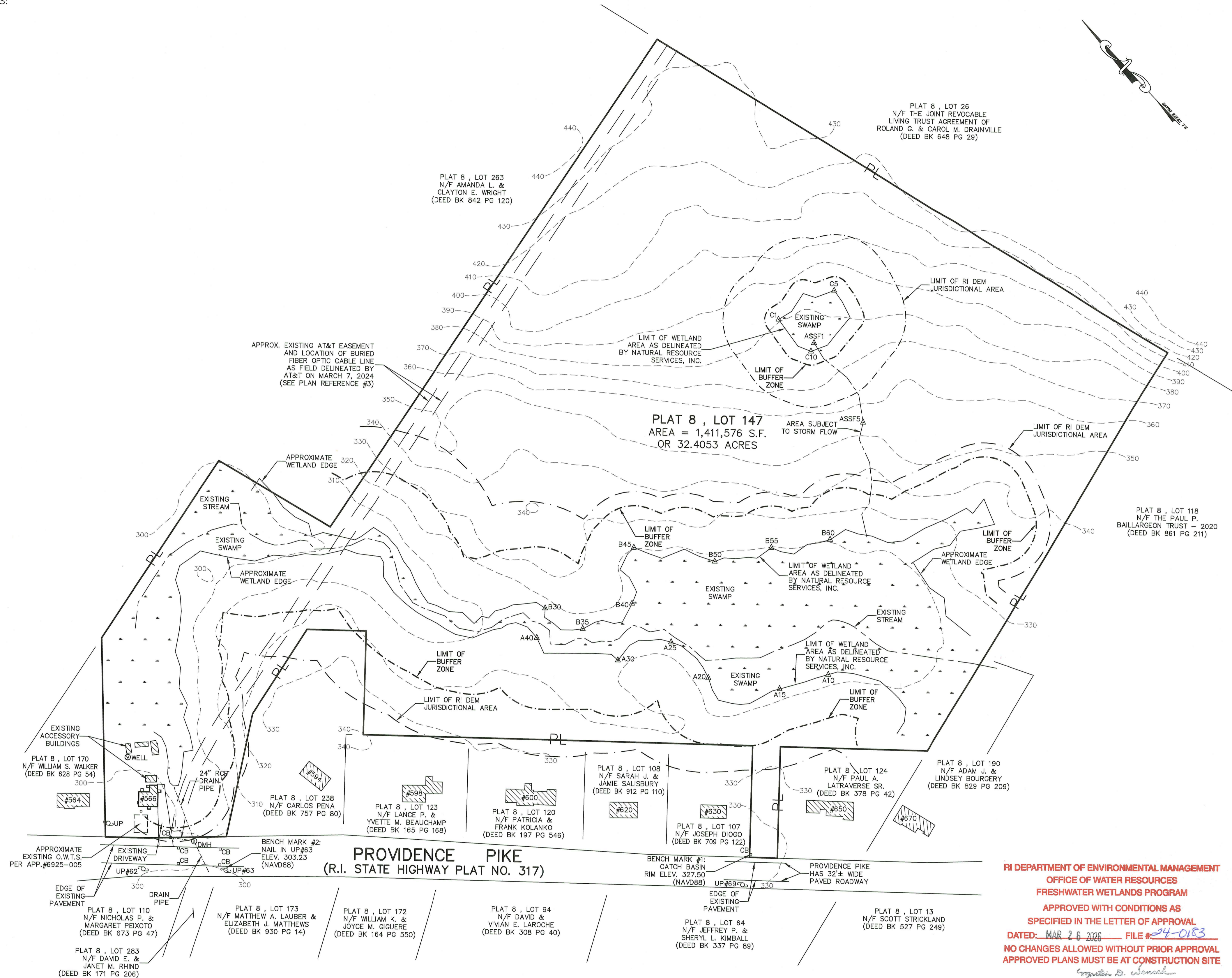
**LEGEND**

PL PROPERTY LINE  
 N/F NOW OR FORMERLY  
 S.F. SQUARE FEET  
 BK BOOK  
 PG PAGE  
 UP UTILITY POLE  
 DMH DRAIN MANHOLE  
 CB CATCH BASIN  
 A# WETLAND FLAG

**ZONING INFORMATION:**  
 THE PARCEL IS ZONED: RA.  
 MINIMUM LOT AREA = 65,000 S.F.  
 MINIMUM LOT FRONTAGE = 200 FEET  
 MINIMUM BUILDING SETBACKS:  
 FRONT YARD = 40 FEET  
 SIDE YARD = 25 FEET  
 REAR YARD = 40 FEET  
 BUILDING COVERAGE = 25%

**GENERAL NOTES:**

- THE PARCEL IS PLAT 8, LOT 147.
- THE TOTAL PARCEL AREA IS 1,411,576 S.F. OR 32.4053 ACRES.
- SEE DEED BOOK 601 AT PAGE 68 FOR TITLE REFERENCE.
- THE BASIS OF BEARING FOR THIS PLAN IS RHODE ISLAND STATE PLANE COORDINATE SYSTEM (NAD83).
- THE PARCEL DOES NOT LIE WITHIN A PUBLIC WATERSHED OR ZONE OF CONTRIBUTION TO A PUBLIC WATER SUPPLY.
- THE EXISTING WETLAND AREAS WERE DELINEATED BY NATURAL RESOURCE SERVICES, INC., ON JUNE 8 AND 13, 2023, AND WERE FIELD LOCATED BY DARVEAU LAND SURVEYING, INC.
- THE PARCEL IS LOCATED IN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON NATIONAL FLOOD INSURANCE RATE MAP 44007C0152G FOR THE TOWN OF NORTH SMITHFIELD, DATED: MARCH 2, 2009.
- THE CONTOURS SHOWN ARE AT 10-FOOT INTERVALS AND WERE TAKEN FROM AERIAL PHOTOGRAMMETRY, NAVD88 DATUM.
- THE MAJORITY OF THE PARCEL IS WOODED AND VACANT OF ANY EXISTING STRUCTURES EXCEPT FOR DWELLING #566 AND ASSOCIATED ACCESSORY BUILDINGS.
- THERE WERE NO KNOWN PRIME FARMLAND SOILS ON THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THE PARCEL WAS NOT IN ACTIVE AGRICULTURAL USE AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO KNOWN STATE DESIGNATED NATURAL HERITAGE SITES ON THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO KNOWN GEOLOGIC FORMATIONS ON THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO KNOWN RIDGE LINES OF EXISTING HILLS ON THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO KNOWN WELLHEAD PROTECTION AREAS FOR PUBLIC OR COMMUNITY DRINKING WATER WELLS ON THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THE PARCEL DOES NOT APPEAR TO BE IN THE GROUNDWATER AQUIFER OVERLAY DISTRICT AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO KNOWN STATE, REGIONAL, OR COMMUNITY GREENWAYS AND GREENSPACE PRIORITIES WITHIN THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO KNOWN STATE-DESIGNED NATURAL HERITAGE SITES WITHIN THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO ROADS OR TRAILS OBSERVED WITHIN THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO KNOWN HISTORICALLY SIGNIFICANT SITES OR STRUCTURES OBSERVED WITHIN THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO KNOWN STATE OR LOCALLY-DESIGNATED HISTORIC SITES, DISTRICTS, CEMETERIES OR LANDSCAPES WITHIN THE PARCEL AT THE TIME OF PLAN PREPARATION.
- STONE WALLS WERE OBSERVED ALONG THE EASTERLY AND SOUTHERLY PROPERTY LINES OF THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO KNOWN ARCHAEOLOGICAL SITES WITHIN THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO KNOWN SCENIC ROAD CORRIDORS AND STATE-DESIGNATED SCENIC AREAS AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO HIKING, BIKING AND/OR BRIDLE TRAILS OBSERVED WITHIN OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO BOAT LAUNCHES, LAKE AND STREAM ACCESS POINTS, BEACHES AND/OR WATER TRAILS OBSERVED WITHIN OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO EXISTING PLAY FIELDS AND PLAYGROUNDS OBSERVED WITHIN OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO EXISTING PUBLIC OR PRIVATE WATER LINES OBSERVED WITHIN OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO EXISTING PUBLIC OR PRIVATE SEWER LINES OBSERVED WITHIN OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO OBSERVED NATURAL RESOURCE AREAS ON OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO OBSERVED CULTURAL RESOURCE AREAS ON OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.
- THERE WERE NO OBSERVED RECREATIONAL RESOURCE AREAS ON OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.



Environmental Management  
 SEP 05 2026  
 Office of Water Resources

NICHOLAS J. PIAMPIANO  
 No. 6512  
 REGISTERED  
 PROFESSIONAL ENGINEER  
 (CIVIL)

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS AS  
 SPECIFIED IN THE LETTER OF APPROVAL  
 DATED: MAR 26 2026 FILE # 24-0183  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

|  |                            |                               |                                     |
|--|----------------------------|-------------------------------|-------------------------------------|
| <p><b>WETLAND PLAN</b></p> <p>EXISTING CONDITIONS PLAN FOR</p> <p><b>DONNA CORRIVEAU</b></p> <p>PLAT 8, LOT 147</p> <p>566 PROVIDENCE PIKE</p> <p>NORTH SMITHFIELD, RHODE ISLAND</p> |                            | <p>PROJECT NO: 2023_016</p>   |                                     |
|  |                            | <p>REVISION: JUNE 1, 2025</p> | <p>SCALE: 1" = 100'</p>             |
| <p>SHEET NO: 2 OF 9</p>  | <p>DATE: JUNE 10, 2024</p> | <p>DRAWN BY: S.A.K.</p>       | <p>EXISTING CONDITIONS PLAN FOR</p> |
| <p><b>DARVEAU LAND SURVEYING, INC.</b></p> <p>786 GREAT ROAD, SUITE 5</p> <p>NORTH SMITHFIELD, R.I. 02896</p> <p>PHONE: 401-475-5700</p> <p>E-MAIL: MIKE@DARVEAUSURVEY.COM</p>       |                            |                               |                                     |

**GENERAL NOTES:**  
 1. THE PARCEL IS PLAT 8, LOT 147.  
 2. THE TOTAL PARCEL AREA IS 1,411,576 S.F. OR 32.4053 ACRES.  
 3. SEE DEED BOOK 601 AT PAGE 68 FOR TITLE REFERENCE.  
 4. THE BASIS OF BEARING FOR THIS PLAN IS RHODE ISLAND STATE PLANE COORDINATE SYSTEM (NAD83).  
 5. THE EXISTING WETLAND AREAS WERE DELINEATED BY NATURAL RESOURCE SERVICES, INC., ON JUNE 8 AND 13, 2023, AND WERE FIELD LOCATED BY DARVEAU LAND SURVEYING, INC.  
 6. THE PARCEL IS LOCATED IN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON NATIONAL FLOOD INSURANCE RATE MAP 44007C0152G FOR THE TOWN OF NORTH SMITHFIELD, DATED: MARCH 2, 2009.  
 7. THE CONTOURS SHOWN ARE AT 2-FOOT INTERVALS AND WERE TAKEN FROM ACTUAL FIELD SURVEY, NAVD88 DATUM.

**LEGEND**

|      |                 |
|------|-----------------|
| PL   | PROPERTY LINE   |
| N/F  | NOW OR FORMERLY |
| S.F. | SQUARE FEET     |
| BK   | BOOK            |
| PG   | PAGE            |
| UP   | UTILITY POLE    |
| CB   | CATCH BASIN     |
| A#   | WETLAND FLAG    |
| SE   | SOIL EVALUATION |
| LT   | LEDGE TEST HOLE |

PLAT 8, LOT 263  
 N/F AMANDA L. &  
 CLAYTON E. WRIGHT  
 (DEED BK 842 PG 120)

APPROX. EXISTING AT&T EASEMENT  
 AND LOCATION OF BURIED  
 FIBER OPTIC CABLE LINE  
 AS FIELD DELINEATED BY  
 AT&T ON MARCH 7, 2024

**SOIL EVALUATION ELEVATIONS:**

|                             |       |
|-----------------------------|-------|
| GROUND AT SE#24-1.....      | 342.6 |
| WATER TABLE AT SE#24-1..... | 338.6 |
| LEDGE AT SE#24-1.....       | 336.6 |
| GROUND AT SE#24-2.....      | 345.6 |
| WATER TABLE AT SE#24-2..... | 341.6 |
| LEDGE AT SE#24-2.....       | 339.9 |
| GROUND AT SE#24-3.....      | 339.5 |
| WATER TABLE AT SE#24-3..... | 335.5 |
| LEDGE AT SE#24-3.....       | 333.3 |
| GROUND AT LT#1.....         | 342.7 |
| LEDGE AT LT#1.....          | 336.0 |
| GROUND AT LT#2.....         | 346.0 |
| LEDGE AT LT#2.....          | 338.8 |
| GROUND AT LT#3.....         | 353.5 |
| LEDGE AT LT#3.....          | 345.3 |
| GROUND AT LT#4.....         | 352.6 |
| LEDGE AT LT#4.....          | 346.8 |
| GROUND AT LT#5.....         | 353.4 |
| LEDGE AT LT#5.....          | 345.4 |
| GROUND AT LT#6.....         | 350.3 |
| LEDGE AT LT#6.....          | 344.5 |
| GROUND AT LT#7.....         | 344.8 |
| LEDGE AT LT#7.....          | 338.6 |
| GROUND AT LT#8.....         | 343.0 |
| LEDGE AT LT#8.....          | 336.0 |
| GROUND AT LT#9.....         | 338.2 |
| LEDGE AT LT#9.....          | 333.2 |
| GROUND AT LT#10.....        | 335.4 |
| LEDGE AT LT#10.....         | 329.2 |
| GROUND AT LT#11.....        | 334.5 |
| LEDGE AT LT#11.....         | 327.7 |
| GROUND AT LT#12.....        | 334.2 |
| LEDGE AT LT#12.....         | 328.2 |

**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
**OFFICE OF WATER RESOURCES**  
**FRESHWATER WETLANDS PROGRAM**  
**APPROVED WITH CONDITIONS AS**  
**SPECIFIED IN THE LETTER OF APPROVAL**  
**DATED: MAR 26 2026 FILE #: 24-0183**  
**NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL**  
**APPROVED PLANS MUST BE AT CONSTRUCTION SITE**

*Signature of Nicholas J. Piampiano*

PLAT 8, LOT 123  
 N/F LANCE P. &  
 YVETTE M. BEAUCHAMP  
 (DEED BK 165 PG 168)

PLAT 8, LOT 120  
 N/F PATRICIA &  
 FRANK KOLANKO  
 (DEED BK 197 PG 546)

PLAT 8, LOT 108  
 N/F SARAH J. &  
 JAMIE SALISBURY  
 (DEED BK 912 PG 110)

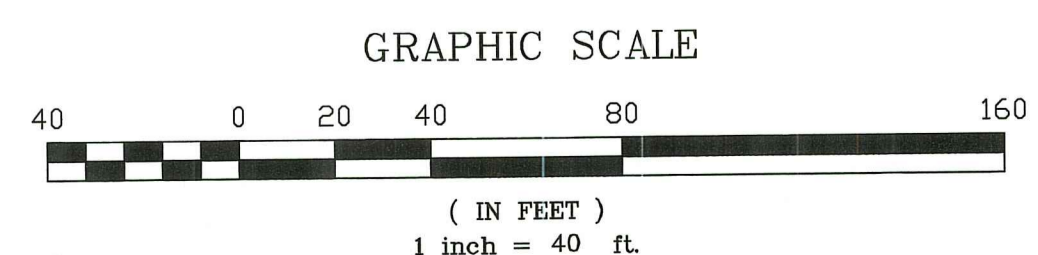
PLAT 8, LOT 107  
 N/F JOSEPH DIOGO  
 (DEED BK 709 PG 122)

PLAT 8, LOT 124  
 N/F PAUL A.  
 LATRAVERSE SR.  
 (DEED BK 378 PG 42)

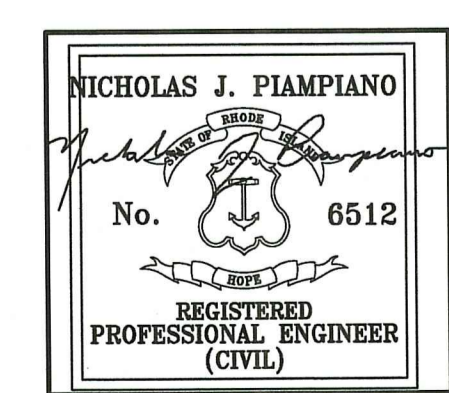
**PROVIDENCE PIKE**  
 EDGE OF PAVEMENT  
 EDGE OF PAVEMENT

BENCH MARK:  
 CATCH BASIN  
 RM. ELEV. 327.50  
 (NAVD88)

EXISTING  
 DRIVEWAY



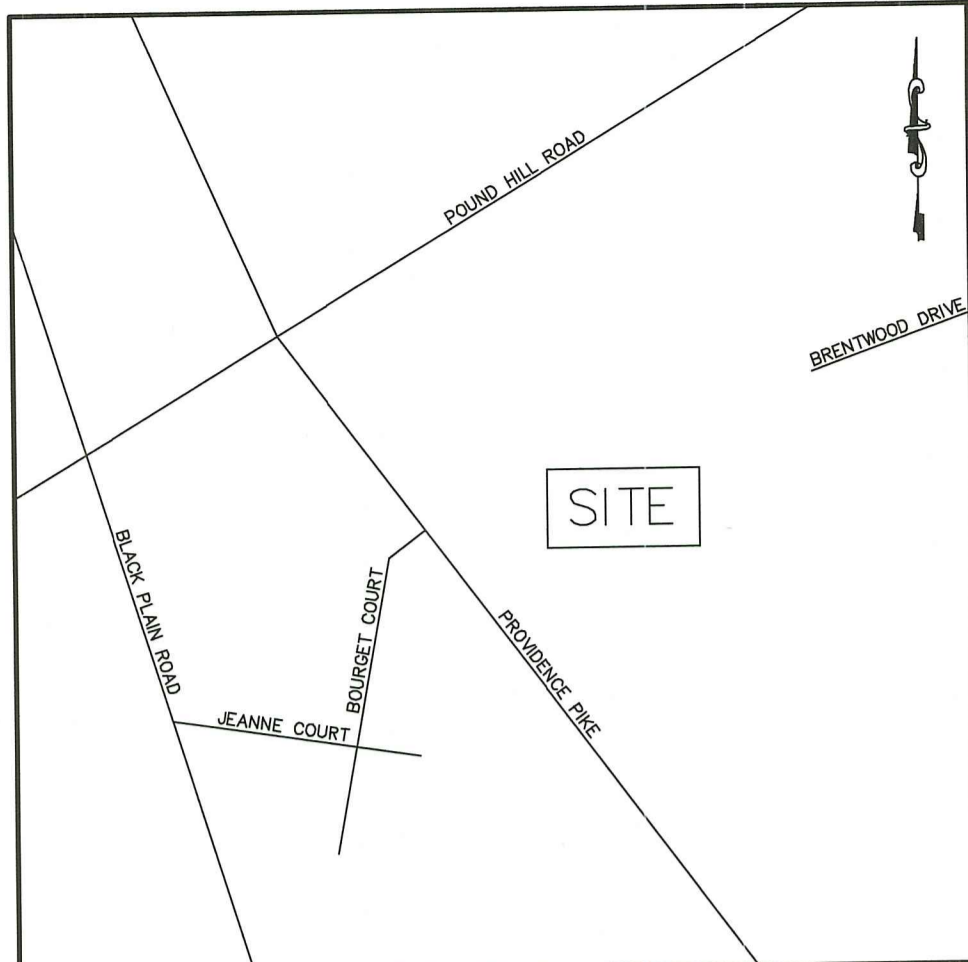
Environmental Management  
**SEP 05 2026**  
 Office of Water Resources



**DARVEAU LAND SURVEYING, INC.**  
 786 GREAT ROAD, SUITE 5  
 NORTH SMITHFIELD, R.I. 02896  
 PHONE: 401-475-5700  
 E-MAIL: MIKE@DARVEAUSURVEY.COM

**WETLAND PLAN**  
 EXISTING CONDITIONS PLAN FOR  
**DONNA CORRIVEAU**  
 PLAT 8, LOT 147  
 566 PROVIDENCE PIKE  
 NORTH SMITHFIELD, RHODE ISLAND

|             |          |           |               |           |          |
|-------------|----------|-----------|---------------|-----------|----------|
| PROJECT NO: | 2023_016 | REVISION: | JUNE 1, 2025  | SCALE:    | 1" = 40' |
| SHEET NO:   | 3 OF 9   | DATE:     | JUNE 10, 2024 | DRAWN BY: | S.A.K.   |



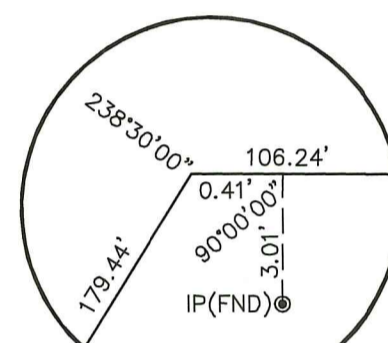
**LEGEND**

- DH DRILL HOLE
- FSB FIELD STONE BOUND
- GB GRANITE BOUND
- IP IRON PIPE
- RIHB R.I. HIGHWAY BOUND
- STA. STATION
- FND FOUND
- N/F NOW OR FORMERLY
- S.F. SQUARE FEET
- BK BOOK
- PG PAGE

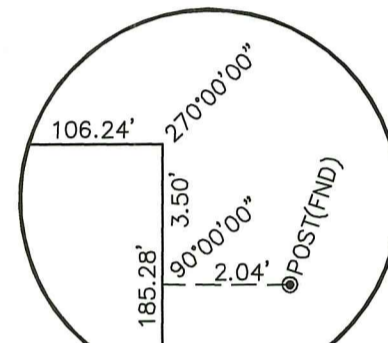
**ZONING INFORMATION:**  
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 REAR YARD = 40 FEET  
 BUILDING COVERAGE = 25%

**STREET INDEX**  
 PROVIDENCE PIKE

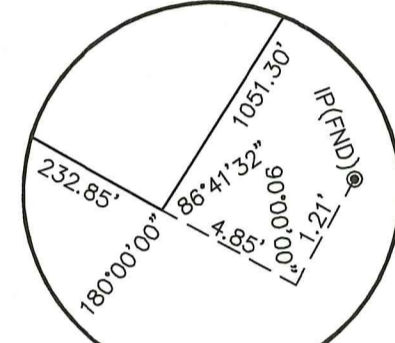
**LOCUS**  
 NOT TO SCALE



**DETAIL "A"**  
 NOT TO SCALE



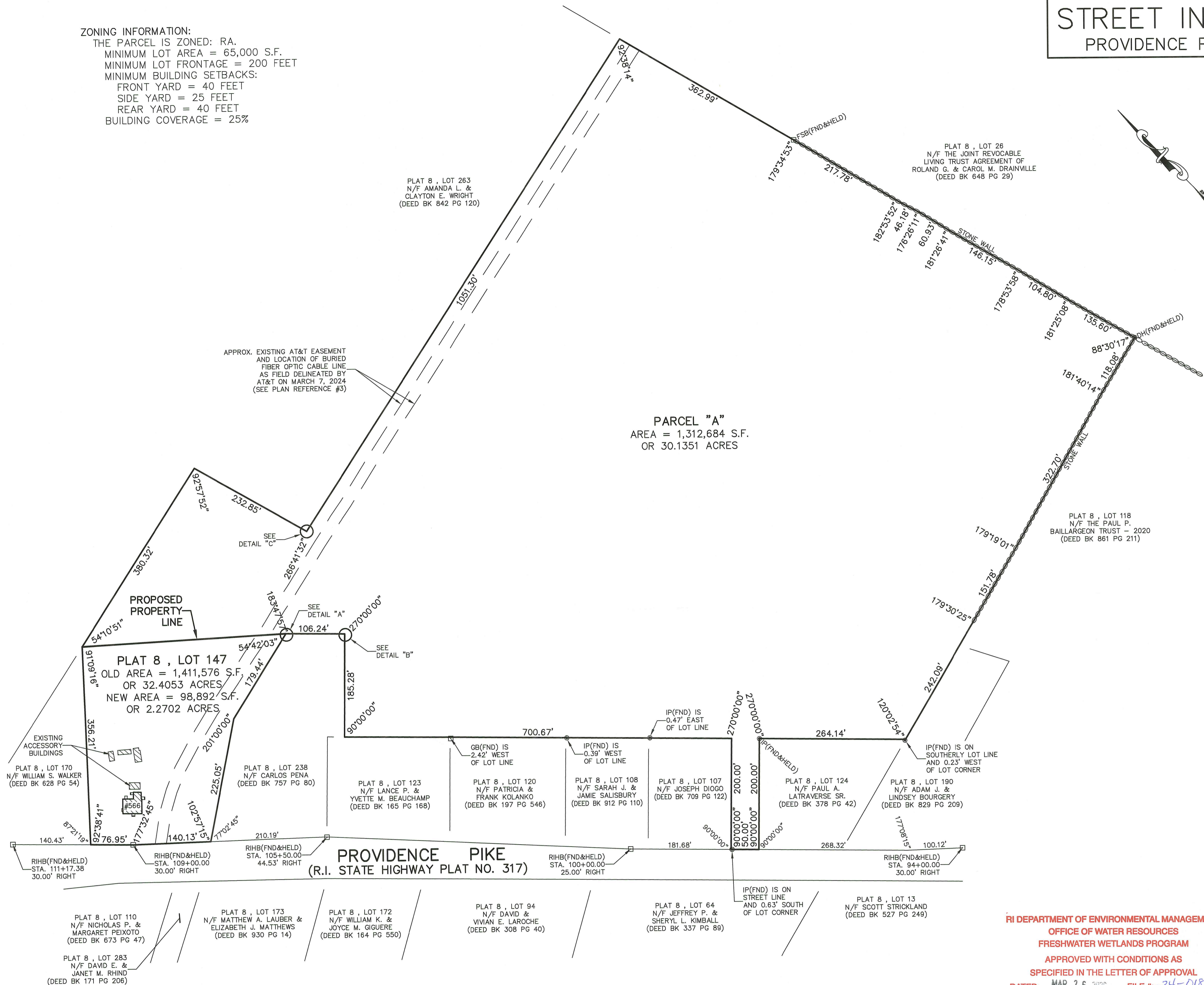
**DETAIL "B"**  
 NOT TO SCALE



**DETAIL "C"**  
 NOT TO SCALE

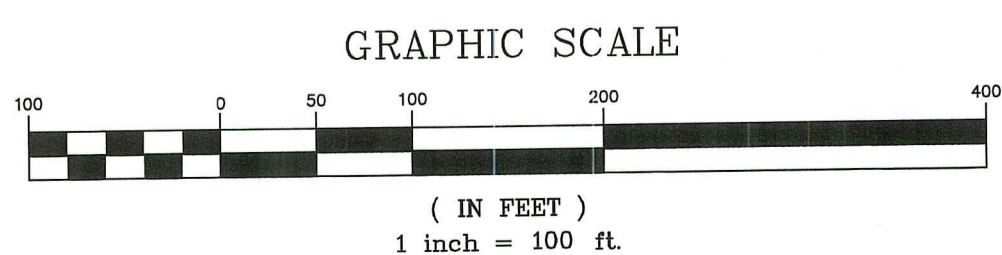
**GENERAL NOTES:**

1. THE PARCEL IS PLAT 8, LOT 147.
2. THE TOTAL PARCEL AREA IS 1,411,576 S.F. OR 32.4053 ACRES.
3. SEE DEED BOOK 601 AT PAGE 68 FOR TITLE REFERENCE.
4. THE BASIS OF BEARING FOR THIS PLAN IS RHODE ISLAND STATE PLANE COORDINATE SYSTEM (NAD83).
5. THE PARCEL IS LOCATED IN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON NATIONAL FLOOD INSURANCE RATE MAP 44007C0152G FOR THE TOWN OF NORTH SMITHFIELD, DATED: MARCH 2, 2009.



**PARCEL "A"**  
 AREA = 1,312,684 S.F.  
 OR 30.1351 ACRES

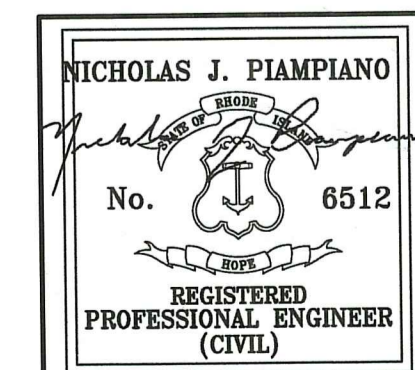
**PLAT 8, LOT 147**  
 OLD AREA = 1,411,576 S.F.  
 OR 32.4053 ACRES.  
 NEW AREA = 98,892 S.F.  
 OR 2.2702 ACRES



**PLAN REFERENCES:**

1. PLAN ENTITLED "ADMINISTRATIVE SUBDIVISION FOR THEODORE SR. & ELMA P. LEMIEUX, 520 PROVIDENCE PIKE, NORTH SMITHFIELD, RHODE ISLAND, DECEMBER 1996, SCALE: 1"=120', BY NATIONAL SURVEYORS-DEVELOPERS, INC.," WHICH IS RECORDED IN THE TOWN OF NORTH SMITHFIELD REGISTRY OF DEEDS AT CABINET 45-A.
2. PLAN ENTITLED "PLAN OF LAND, NORTH SMITHFIELD, R.I., SURVEYED FOR THEODORE LEMIEUX, JAN. 1969, SCALE: 1 IN. = 50 FT., BY STANLEY H. MOWRY, SURVEYOR," WHICH IS RECORDED IN THE TOWN OF NORTH SMITHFIELD REGISTRY OF DEEDS IN SHELF #28.
3. UNRECORDED PLAN ENTITLED "AT&T, BLACKSTONE TO PROVIDENCE FTG 'A' RESTORE AND REBUILD, ET 09393-118, SCALE: 1" = 100', AS-BUILT RECORD 11/29/93, PREPARED BY MICHAEL BAKER JR., INC. CONSULTING ENGINEERS, BEAVER, PENNSYLVANIA."

**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
**OFFICE OF WATER RESOURCES**  
**FRESHWATER WETLANDS PROGRAM**  
 APPROVED WITH CONDITIONS AS  
 SPECIFIED IN THE LETTER OF APPROVAL  
 DATED: MAR 26 2025 FILE # 24-0183  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE



**WETLAND PLAN**

**DARVEAU LAND SURVEYING, INC.**  
 786 GREAT ROAD, SUITE 5  
 NORTH SMITHFIELD, R.I. 02896  
 PHONE: 401-475-5700  
 E-MAIL: MIKE@DARVEAUSURVEY.COM

PROPOSED PROPERTY LINE PLAN FOR  
**DONNA CORRIVEAU**  
 PLAT 8, LOT 147  
 566 PROVIDENCE PIKE  
 NORTH SMITHFIELD, RHODE ISLAND

|             |          |           |               |           |           |
|-------------|----------|-----------|---------------|-----------|-----------|
| PROJECT NO: | 2023_016 | REVISION: | JUNE 1, 2025  | SCALE:    | 1" = 100' |
| SHEET NO:   | 4 OF 9   | DATE:     | JUNE 10, 2024 | DRAWN BY: | S.A.K.    |

**LEGEND**

PL PROPERTY LINE  
 N/F NOW OR FORMERLY  
 S.F. SQUARE FEET  
 BK BOOK  
 PG PAGE  
 UP UTILITY POLE  
 DMH DRAIN MANHOLE  
 CB CATCH BASIN  
 A# WETLAND FLAG

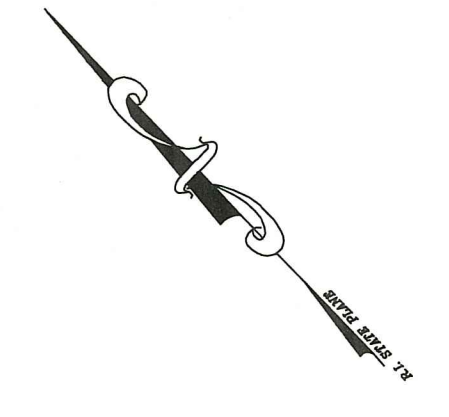
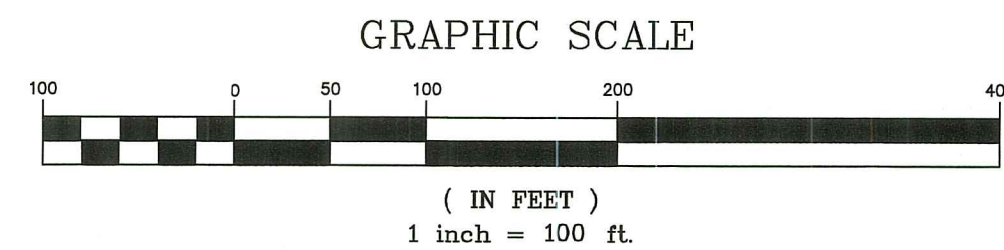
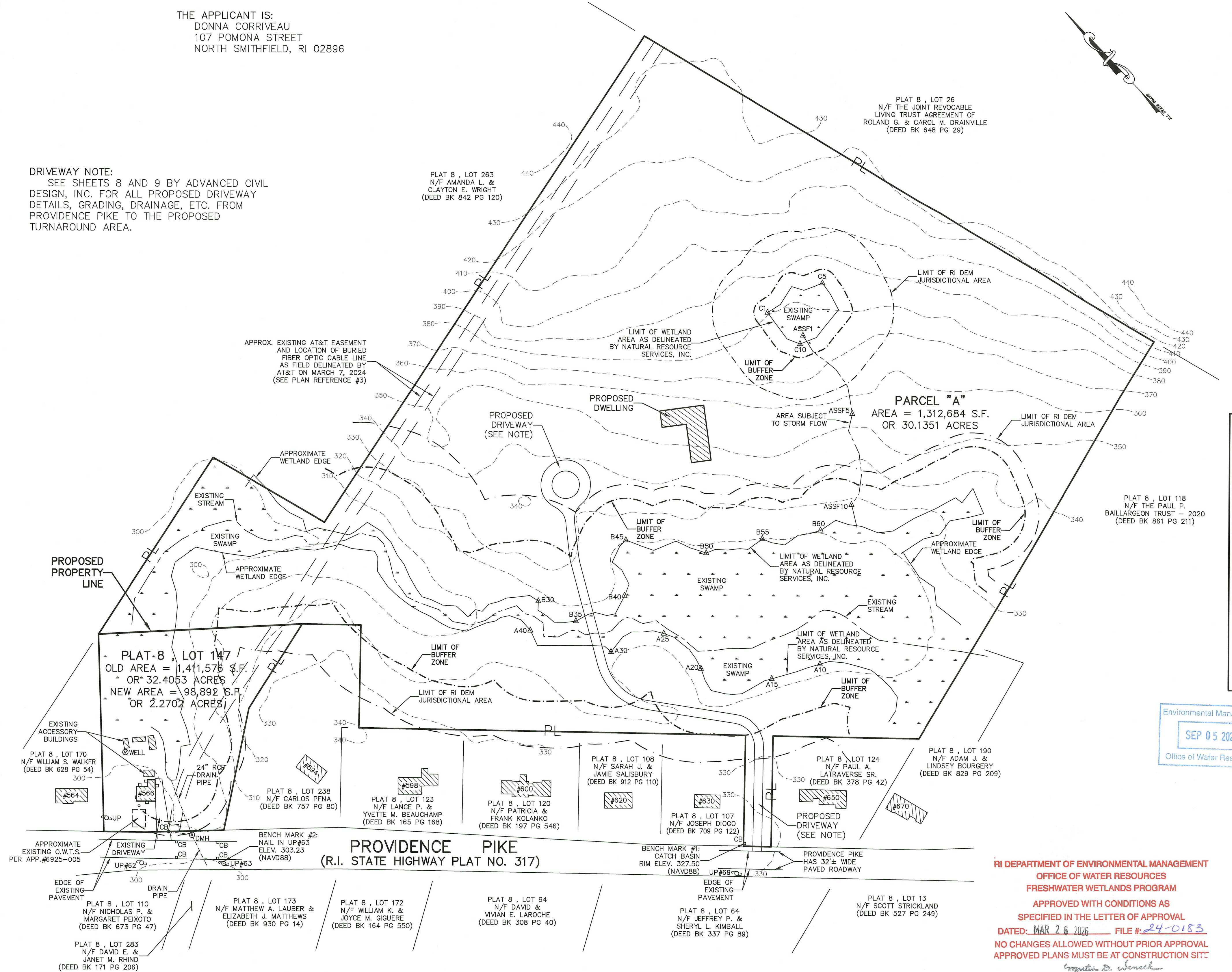
**ZONING INFORMATION:**  
 THE PARCEL IS ZONED: RA.  
 MINIMUM LOT AREA = 65,000 S.F.  
 MINIMUM LOT FRONTAGE = 200 FEET  
 MINIMUM BUILDING SETBACKS:  
 FRONT YARD = 40 FEET  
 SIDE YARD = 25 FEET  
 REAR YARD = 40 FEET  
 BUILDING COVERAGE = 25%

**THE OWNER IS:**  
 THE LEMIEUX FAMILY TRUST  
 566 PROVIDENCE PIKE  
 NORTH SMITHFIELD, RI 02896

**THE APPLICANT IS:**  
 DONNA CORRIVEAU  
 107 POMONA STREET  
 NORTH SMITHFIELD, RI 02896

**DRIVEWAY NOTE:**  
 SEE SHEETS 8 AND 9 BY ADVANCED CIVIL DESIGN, INC. FOR ALL PROPOSED DRIVEWAY DETAILS, GRADING, DRAINAGE, ETC. FROM PROVIDENCE PIKE TO THE PROPOSED TURNAROUND AREA.

- GENERAL NOTES:**
- THE PARCEL IS PLAT 8, LOT 147.
  - THE TOTAL PARCEL AREA IS 1,411,576 S.F. OR 32.4053 ACRES.
  - SEE DEED BOOK 601 AT PAGE 68 FOR TITLE REFERENCE.
  - THE BASIS OF BEARING FOR THIS PLAN IS RHODE ISLAND STATE PLANE COORDINATE SYSTEM (NAD83).
  - THE PARCEL DOES NOT LIE WITHIN A PUBLIC WATERSHED OR ZONE OF CONTRIBUTION TO A PUBLIC WATER SUPPLY.
  - THE EXISTING WETLAND AREAS WERE DELINEATED BY NATURAL RESOURCE SERVICES, INC., ON JUNE 8 AND 13, 2023, AND WERE FIELD LOCATED BY DARVEAU LAND SURVEYING, INC.
  - THE PARCEL IS LOCATED IN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON NATIONAL FLOOD INSURANCE RATE MAP 44007C0152G FOR THE TOWN OF NORTH SMITHFIELD, DATED: MARCH 2, 2009.
  - THE CONTOURS SHOWN ARE AT 10-FOOT INTERVALS AND WERE TAKEN FROM AERIAL PHOTOGRAMMETRY, NAVD88 DATUM.
  - THE MAJORITY OF THE PARCEL IS WOODED AND VACANT OF ANY EXISTING STRUCTURES EXCEPT FOR DWELLING #566 AND ASSOCIATED ACCESSORY BUILDINGS.
  - THERE WERE NO KNOWN PRIME FARMLAND SOILS ON THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THE PARCEL WAS NOT IN ACTIVE AGRICULTURAL USE AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO KNOWN STATE DESIGNATED NATURAL HERITAGE SITES ON THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO KNOWN GEOLOGIC FORMATIONS ON THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO KNOWN RIDGE LINES OF EXISTING HILLS ON THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO KNOWN WELLHEAD PROTECTION AREAS FOR PUBLIC OR COMMUNITY DRINKING WATER WELLS ON THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THE PARCEL DOES NOT APPEAR TO BE IN THE GROUNDWATER AQUIFER OVERLAY DISTRICT AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO KNOWN STATE, REGIONAL, OR COMMUNITY GREENWAYS AND GREENSPACE PRIORITIES WITHIN THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO KNOWN STATE-DESIGNED NATURAL HERITAGE SITES WITHIN THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO ROADS OR TRAILS OBSERVED WITHIN THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO KNOWN HISTORICALLY SIGNIFICANT SITES OR STRUCTURES OBSERVED WITHIN THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO KNOWN STATE OR LOCALLY-DESIGNATED HISTORIC SITES, DISTRICTS, CEMETERIES OR LANDSCAPES WITHIN THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - STONE WALLS WERE OBSERVED ALONG THE EASTERLY AND SOUTHERLY PROPERTY LINES OF THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO KNOWN ARCHAEOLOGICAL SITES WITHIN THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO KNOWN SCENIC ROAD CORRIDORS AND STATE-DESIGNATED SCENIC AREAS AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO HIKING, BIKING AND/OR BRIDLE TRAILS OBSERVED WITHIN OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO BOAT LAUNCHES, LAKE AND STREAM ACCESS POINTS, BEACHES AND/OR WATER TRAILS OBSERVED WITHIN OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO EXISTING PLAY FIELDS AND PLAYGROUNDS OBSERVED WITHIN OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO EXISTING PUBLIC OR PRIVATE WATER LINES OBSERVED WITHIN OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO EXISTING PUBLIC OR PRIVATE SEWER LINES OBSERVED WITHIN OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO OBSERVED NATURAL RESOURCE AREAS ON OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO OBSERVED CULTURAL RESOURCE AREAS ON OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.
  - THERE WERE NO OBSERVED RECREATIONAL RESOURCE AREAS ON OR ADJACENT TO THE PARCEL AT THE TIME OF PLAN PREPARATION.



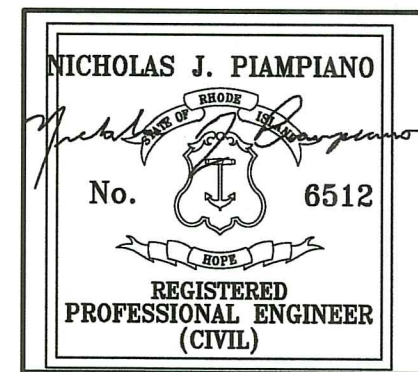
**WETLAND PLAN**

PROPOSED SITE PLAN FOR  
**DONNA CORRIVEAU**  
 PLAT 8, LOT 147  
 566 PROVIDENCE PIKE  
 NORTH SMITHFIELD, RHODE ISLAND

**DARVEAU LAND SURVEYING, INC.**  
 786 GREAT ROAD, SUITE 5  
 NORTH SMITHFIELD, R.I. 02896  
 PHONE: 401-475-5700  
 E-MAIL: MIKE@DARVEAUSURVEY.COM



**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED: MAR 26 2026 FILE #: 24-0183  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE!



|             |              |           |               |
|-------------|--------------|-----------|---------------|
| PROJECT NO: | 2023_016     | SCALE:    | 1" = 100'     |
| REVISION:   | JUNE 1, 2025 | DRAWN BY: | S.A.K.        |
| SHEET NO:   | 5 OF 9       | DATE:     | JUNE 10, 2024 |

**GENERAL NOTES:**

1. THE PARCEL IS PLAT 8, LOT 147.
2. THE TOTAL PARCEL AREA IS 1,411,576 S.F. OR 32.4053 ACRES.
3. SEE DEED BOOK 601 AT PAGE 68 FOR TITLE REFERENCE.
4. THE BASIS OF BEARING FOR THIS PLAN IS RHODE ISLAND STATE PLANE COORDINATE SYSTEM (NAD83).
5. THE EXISTING WETLAND AREAS WERE DELINEATED BY NATURAL RESOURCE SERVICES, INC., ON JUNE 8 AND 13, 2023, AND WERE FIELD LOCATED BY DARVEAU LAND SURVEYING, INC.
6. THE PARCEL IS LOCATED IN ZONE X (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON NATIONAL FLOOD INSURANCE RATE MAP 44070C0152G FOR THE TOWN OF NORTH SMITHFIELD, DATED: MARCH 2, 2009.
7. THE CONTOURS SHOWN ARE AT 2'-FOOT INTERVALS AND WERE TAKEN FROM ACTUAL FIELD SURVEY, NAVD88 DATUM.

**GENERAL O.W.T.S. NOTES:**

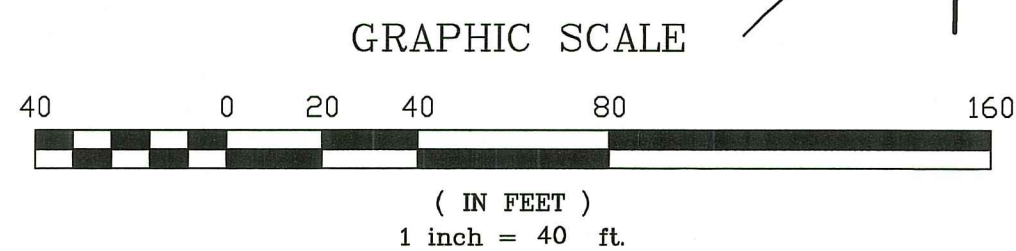
1. THE SLOPE OF BUILDING SEWER FROM DWELLING TO SEPTIC TANK SHALL NOT BE LESS THAN 1 PERCENT AND NOT GREATER THAN 5 PERCENT.
2. THE OUTLET AND INLET PIPES SHALL BE CONNECTED TO THE SEPTIC TANK WITH A WATERTIGHT SEALED FLEXIBLE JOINT. THE PIPE GASKET SHALL BE AN INTEGRAL PART OF ALL TANKS AND THE PIPE GASKET SHALL BE FASTENED TO THE PIPE WITH A STAINLESS STEEL RETRACTABLE CLAMP. A FRICTION FIT CONNECTION IS ONLY ALLOWED IF THE TANK IS PERFORMANCE TESTED.
3. SURFACE WATER SHALL BE DIVERTED AWAY FROM THE SEPTIC TANK OPENING.
4. ACCESSIBILITY TO SEPTIC TANKS SHALL BE LOCATED ON THE LOT AS TO BE ACCESSIBLE FOR SERVICING AND CLEANING.
5. INSTALLATION OF ALL SEPTIC TANKS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S MINIMUM REQUIREMENTS. IN ADDITION, ALL SEPTIC TANKS MUST MEET THE INSTALLATION REQUIREMENTS SPECIFIED.
6. BACKFILL SHALL BE PLACED AROUND THE SEPTIC TANK IN SUCH A MANNER AS TO AVOID DAMAGE TO IT. ALL BACKFILL PLACED AROUND THE SEPTIC TANK SHALL BE FREE OF LARGE STONES, STUMPS, WASTE, CONSTRUCTION MATERIAL AND RUBBISH.
7. USE SCHED 40 PVC PIPING OR EQUIVALENT THROUGHOUT SEWAGE SYSTEM, EXCEPT AS NOTED.
8. NO WELL EXISTS WITHIN 200 FEET OF THE PROPOSED SEWAGE SYSTEM EXCEPT AS SHOWN.
9. IF A WELL IS PROPOSED, NO SEWAGE SYSTEM EXISTS WITHIN 200 FEET OF THE PROPOSED WELL EXCEPT AS SHOWN.
10. ALL WELLS, EXISTING AND PROPOSED, WITHIN 200 FEET OF THE SEWAGE SYSTEM ARE SHOWN. ALL PUBLIC WELLS, EXISTING AND PROPOSED, WITHIN 500 FEET OF THE SEWAGE SYSTEM AREA ARE SHOWN.
11. IF A DRIVEWAY OR PAVEMENT IS TO BE NEAR THE SEWAGE SYSTEM, A PROTECTIVE BERM IS TO BE PLACED AROUND THE SEWAGE SYSTEM IN THE AREA OF THE DRIVEWAY OR PAVEMENT TO PREVENT VEHICULAR TRAFFIC TRAVELING OVER THE SEWAGE SYSTEM.
12. INSTALLER TO MEET ALL O.W.T.S. SPECIFICATIONS AND REQUIREMENTS.
13. NO DRAINS OF ANY KIND SHALL BE LOCATED WITHIN 25 FEET OF THE PROPOSED SEWAGE SYSTEM.
14. THE FINISH GRADE AT 10 FEET FROM ALL SIDES OF LEACHING FIELD SHALL NOT BE LOWER THAN ELEVATION OF 344.7 WITH 3:1 SLOPE.
15. OWNER AND/OR BUILDER IS RESPONSIBLE FOR BUILDING AND LEACHING FIELD MEETING LOCAL ZONING SETBACK REQUIREMENTS.
16. ALL UNDERGROUND UTILITIES AND STRUCTURES ARE APPROXIMATE AND MUST BE FIELD VERIFIED BEFORE THE START OF ANY CONSTRUCTION OR EXCAVATION.

**SOIL EVALUATION ELEVATIONS:**

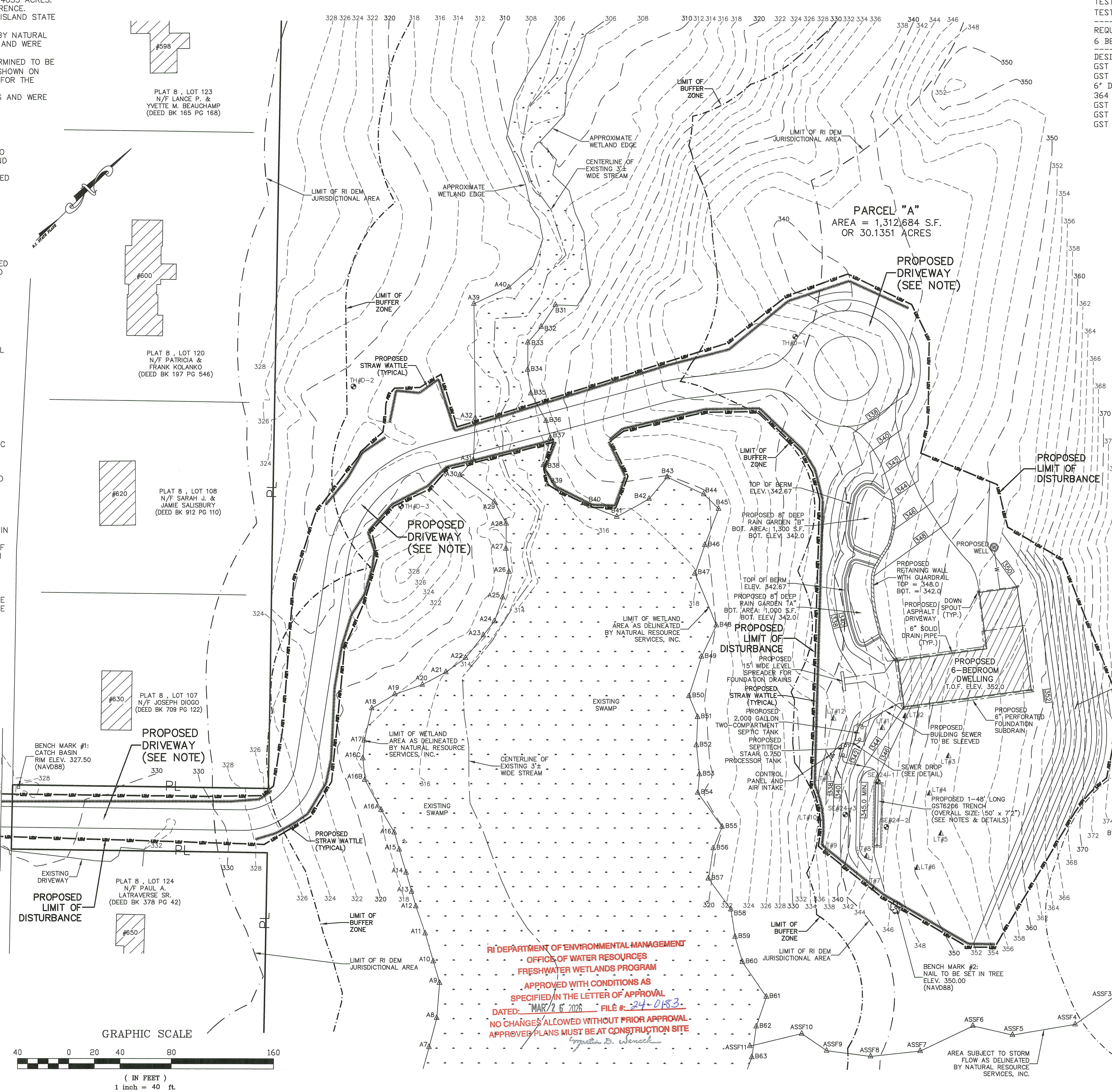
|                             |       |
|-----------------------------|-------|
| GROUND AT SE#24-1.....      | 342.6 |
| WATER TABLE AT SE#24-1..... | 338.6 |
| LEDGE AT SE#24-1.....       | 336.6 |
| GROUND AT SE#24-2.....      | 345.6 |
| WATER TABLE AT SE#24-2..... | 341.6 |
| LEDGE AT SE#24-2.....       | 339.9 |
| GROUND AT SE#24-3.....      | 339.5 |
| WATER TABLE AT SE#24-3..... | 335.5 |
| LEDGE AT SE#24-3.....       | 333.3 |
| GROUND AT LT#1.....         | 336.0 |
| LEDGE AT LT#1.....          | 336.0 |
| GROUND AT LT#2.....         | 346.0 |
| LEDGE AT LT#2.....          | 338.8 |
| GROUND AT LT#3.....         | 353.5 |
| LEDGE AT LT#3.....          | 345.3 |
| GROUND AT LT#4.....         | 352.6 |
| LEDGE AT LT#4.....          | 346.8 |
| GROUND AT LT#5.....         | 353.4 |
| LEDGE AT LT#5.....          | 345.4 |
| GROUND AT LT#6.....         | 350.3 |
| LEDGE AT LT#6.....          | 344.5 |
| GROUND AT LT#7.....         | 344.8 |
| LEDGE AT LT#7.....          | 338.6 |
| GROUND AT LT#8.....         | 343.0 |
| LEDGE AT LT#8.....          | 336.0 |
| GROUND AT LT#9.....         | 335.2 |
| LEDGE AT LT#9.....          | 332.7 |
| GROUND AT LT#10.....        | 335.4 |
| LEDGE AT LT#10.....         | 329.2 |
| GROUND AT LT#11.....        | 334.5 |
| LEDGE AT LT#11.....         | 327.7 |
| GROUND AT LT#12.....        | 334.2 |
| LEDGE AT LT#12.....         | 328.2 |

**TABLE OF O.W.T.S. ELEVATIONS:**

|                                   |               |
|-----------------------------------|---------------|
| INVERT OUT DWELLING.....          | 340.55        |
| SEPTIC TANK ELEVATIONS:           |               |
| INVERT IN SEPTIC TANK.....        | 338.67        |
| INVERT OUT SEPTIC TANK.....       | 338.42        |
| TOP OF SEPTIC TANK RISER.....     | 341.34        |
| SEPTITECH STAAR 0.75D ELEVATIONS: |               |
| INVERT IN SEPTITECH.....          | 336.17        |
| TOP OF SEPTITECH TANK RISER.....  | 338.00        |
| GST6206 LEACH FIELD ELEVATIONS:   |               |
| BOTTOM OF C-33 SAND.....          | 344.00        |
| BOTTOM OF CRUSHED STONE.....      | 344.17        |
| INVERT IN GST TRENCH.....         | 344.67        |
| FINISHED GRADE OVER FIELD.....    | 345.8 - 346.5 |
| 10' AWAY BREAKOUT ELEVATION.....  | 344.7         |



**PROVIDENCE PIKE**



**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
**OFFICE OF WATER RESOURCES**  
**FRESHWATER WETLANDS PROGRAM**  
**APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL**  
**DATED: MAR 26 2025 FILE # 24-0153**  
**NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL**  
**APPROVED PLANS MUST BE AT CONSTRUCTION SITE**

**TEST HOLE DATA:**  
DATE DUG - 5-7-24  
TEST HOLE - SE#24-2  
TEST HOLE - SE#24-2

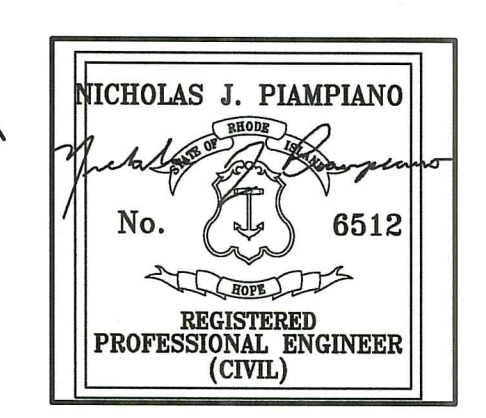
**GROUND WATER DATA: 2425-0412**  
PERFORMED BY: SUSAN CAPASSO  
W.T. DEPTH = 48"  
LEDGE DEPTH = 68" LEDGE EL. 339.9

**REQUIRED CAPACITY OF LEACHING SYSTEM:**  
6 BEDROOMS X 115 GALLONS PER BEDROOM = 690 GALLONS PER DAY  
DESIGN GEOMATRIX GST ON CATEGORY 8M SOILS  
GST DESIGN RATE = 1.9 GAL/S.F./DAY  
GST AREA REQUIRED: 364 SQUARE FEET  
6' DEEP GST6206 = 10.3 S.F./L.F. EFFECTIVE LEACHING CREDIT  
364 S.F. / 10.3 S.F./L.F. = 36 L.F. REQ'D  
GST SIZE PROPOSED: 1 - 48' LONG GST TRENCH = 48 L.F.  
GST SIZE PROPOSED: 7.2' WIDE BY 50' LONG  
GST AREA PROPOSED: 494 SQUARE FEET

**SEPTIC TANK NOTES:**

1. ONE INLET AND ONE OUTLET SHALL BE PROVIDED THROUGH THE APPROPRIATE END OR SIDE WALL OF EACH TANK. WHERE MORE THAN ONE INLET IS REQUIRED FOR MULTIPLE BUILDING SEWERS, THE TANK SHALL BE MANUFACTURED WITH THE APPROPRIATE NUMBER OF INLETS.
2. THE INVERT ELEVATION OF THE OUTLET SHALL BE AT LEAST 3 INCHES BELOW THE INVERT ELEVATION OF THE INLET, AND ABOVE THE SEASONAL HIGH GROUNDWATER TABLE.
3. THE INLET AND INLET PIPES SHALL BE CONNECTED TO THE SEPTIC TANK WITH A WATERTIGHT SEALED FLEXIBLE JOINT. THE PIPE GASKET SHALL BE AN INTEGRAL PART OF ALL TANKS AND THE PIPE GASKET SHALL BE FASTENED TO THE PIPE WITH A STAINLESS STEEL RETRACTABLE CLAMP. A FRICTION FIT CONNECTION IS ONLY ALLOWED IF THE TANK IS PERFORMANCE TESTED.
4. TANKS SHALL BE PROVIDED WITH AN INLET SANITARY TEE AND OUTLET TEES OR OTHER NON-CORRODING EQUIVALENT DEVICE APPROVED BY THE DIRECTOR. THE INLET AND OUTLET TEES SHALL BE MINIMUM SDR 35 PVC SOLVENT WELDED. THE TOPS OF THE TEES SHALL EXTEND A MINIMUM OF 6 INCHES ABOVE THE FLOW LINE, AND SHALL BE LEFT OPEN TO PROVIDE VENTILATION. THERE SHALL BE AN AIR SPACE OF AT LEAST 3 INCHES BETWEEN THE TOP OF THE TEES AND TOP INTERIOR OF THE TANK.
5. THE INLET SANITARY TEE SHALL EXTEND DOWNWARD AT LEAST 12 INCHES BELOW THE FLOW LINE.
6. THE OUTLET TEE SHALL EXTEND DOWNWARD 1/3 OF THE DEPTH BELOW THE FLOW LINE. TEES OR OTHER APPROVED OUTLET DEVICES SHALL BE EQUIPPED WITH AN EFFLUENT SCREEN.
7. SPECIFICATIONS FOR INLET TEES AND OUTLET TEES ARE FOR NORMAL, LOW-FLOW CONDITIONS. HIGH-FLOW CONDITIONS, CREATED WITH LIQUID IS PUMPED FROM ANOTHER TANK, MAY REQUIRE OTHER DIMENSIONS AND CONSIDERATIONS.
8. A MINIMUM 20 INCHES DIAMETER ACCESS OPENING SHALL BE LOCATED OVER BOTH THE INLET TEE AND OUTLET TEE. ALL TANK OPENINGS SHALL MEET THE FOLLOWING REQUIREMENTS:
9. THE ACCESS OPENING OVER THE OUTLET TEE SHALL BE BROUGHT TO FINISHED GRADE OR WITHIN 12 INCHES OF FINISHED GRADE, WHERE A RISER IS REQUIRED, IT SHALL BE WATERTIGHT.
10. LIDS ON TOP OF THE TANK SHOULD REMAIN IN PLACE WHERE PRACTICAL. LIDS FOR THE OPENING AT FINISHED GRADE SHALL PREVENT UNAUTHORIZED ENTRY BY MEETING EITHER OF THE FOLLOWING: (A) LID SHALL WEIGH A MINIMUM OF 50 POUNDS AND FIT TIGHTLY ONTO THE RISER OR (B) LID SHALL BE TAMPER RESISTANT AND MECHANICALLY FASTENED.
11. THE TANK MANUFACTURERS SHALL PROVIDE AND LICENSED OWTS INSTALLERS SHALL ATTACH A LABEL OF NON-CORROSIVE MATERIAL IN A PROMINENT LOCATION AT EACH ACCESS OPENING TO WARN THAT "ENTRANCE INTO THE TANK COULD BE FATAL."
12. SURFACE WATER SHALL BE DIVERTED AWAY FROM THE TANK OPENING.
13. ACCESSIBILITY TO TANKS SHALL BE LOCATED ON THE LOT AS TO BE ACCESSIBLE FOR SERVICING AND CLEANING.
14. INSTALLATION OF ALL TANKS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S MINIMUM REQUIREMENTS. IN ADDITION, ALL TANKS MUST MEET THE INSTALLATION REQUIREMENTS SPECIFIED.
15. THE TANK SHALL BE INSTALLED ON A LEVEL, STABLE BASE THAT WILL NOT SETTLE.
16. BACKFILL SHALL BE PLACED AROUND THE TANK IN SUCH A MANNER AS TO AVOID DAMAGE TO IT. ALL BACKFILL PLACED AROUND THE TANK SHALL BE FREE OF LARGE STONES, STUMPS, WASTE, CONSTRUCTION MATERIAL AND RUBBISH.
17. WHERE ANY PORTION OF A TANK IS INSTALLED BELOW THE SEASONAL HIGH GROUNDWATER TABLE, THE TANK'S SUSCEPTIBILITY TO FLOATION SHALL BE DETERMINED, AND PROVISIONS SHALL BE MADE TO PREVENT FLOATION, WHERE NECESSARY AS DETERMINED BY THE FLOATION CALCULATIONS.
18. WHENEVER MORE THAN 25 PERCENT OF THE DAILY DESIGN FLOW IS PUMPED INTO A TANK, THE TANK CAPACITY SHALL BE INCREASED BY 50 PERCENT BEYOND THE MINIMUM CAPACITIES.
19. THE MINIMUM COVER OVER THE INVERT OF THE OUTLET SHALL BE 18 INCHES. IF THE DEPTH OF COVER EXCEEDS 42 INCHES, THE OWTS APPLICATION SHALL INCLUDE DOCUMENTATION OF THE TANK'S ABILITY TO STRUCTURALLY WITHSTAND THE LOADING, AND THE TANK'S DESIGN SHALL ALLOW FOR PROPER MAINTENANCE AND ACCESS.
20. THE TANK SHALL BE A MINIMUM OF 75 FEET FROM ALL WELLS.

**DRIVEWAY NOTE:**  
SEE SHEETS 8 AND 9 BY ADVANCED CIVIL DESIGN, INC. FOR ALL PROPOSED DRIVEWAY DETAILS, GRADING, DRAINAGE, ETC. FROM PROVIDENCE PIKE TO THE PROPOSED TURNAROUND AREA.



**LEGEND**

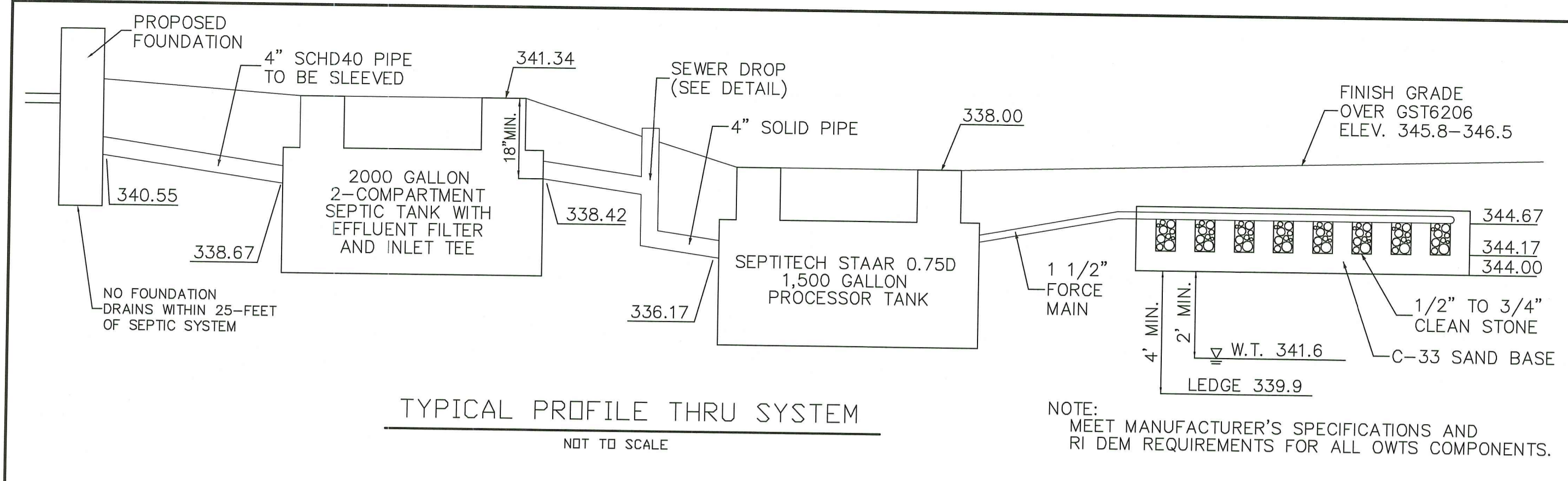
|            |                   |
|------------|-------------------|
| PL         | PROPERTY LINE     |
| N/F        | NOW OR FORMERLY   |
| S.F.       | SQUARE FEET       |
| BOOK       | BOOK              |
| PG         | PAGE              |
| UP         | UTILITY POLE      |
| CB         | CATCH BASIN       |
| A#         | WETLAND FLAG      |
| SE         | SOIL EVALUATION   |
| LT         | LEDGE TEST HOLE   |
| BOT. ELEV. | BOTTOM ELEVATION  |
| T.O.F.     | TOP OF FOUNDATION |

**DARVEAU LAND SURVEYING, INC.**  
786 GREAT ROAD, SUITE 5  
NORTH SMITHFIELD, R.I. 02896  
PHONE: 401-475-5700  
E-MAIL: MIKE@DARVEAUSURVEY.COM

**WETLAND PLAN**

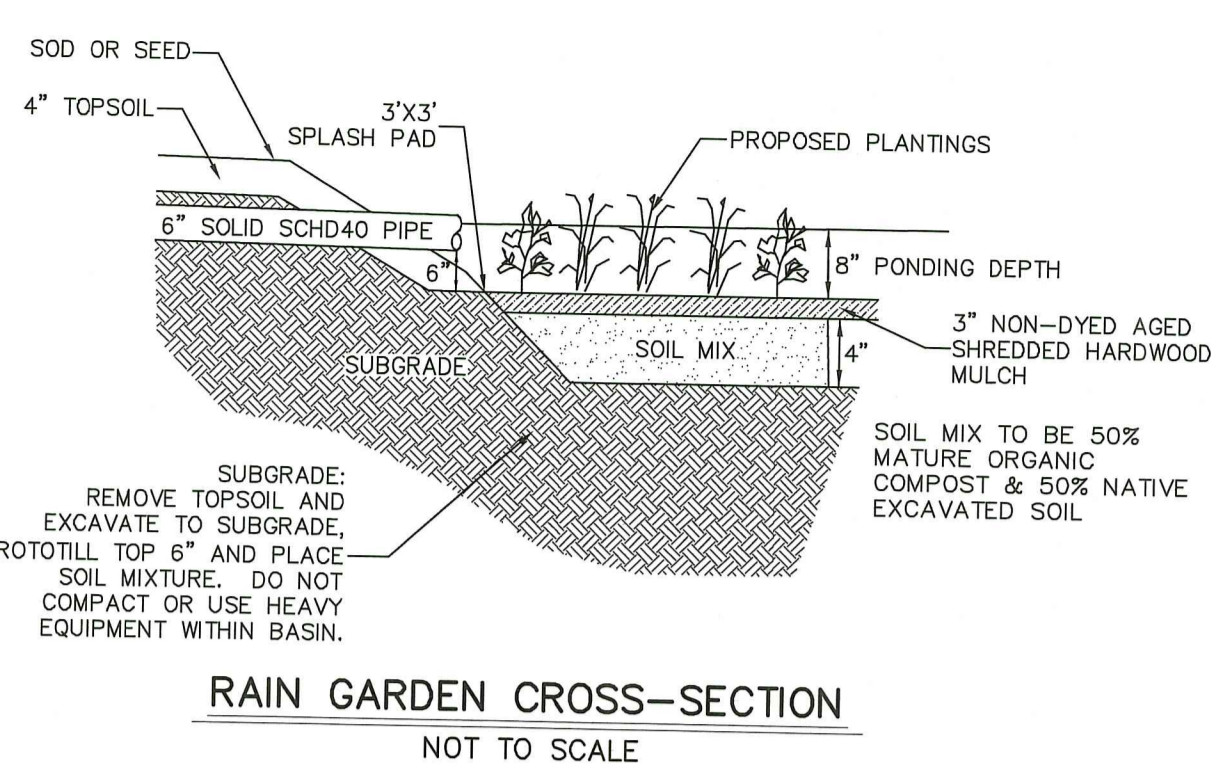
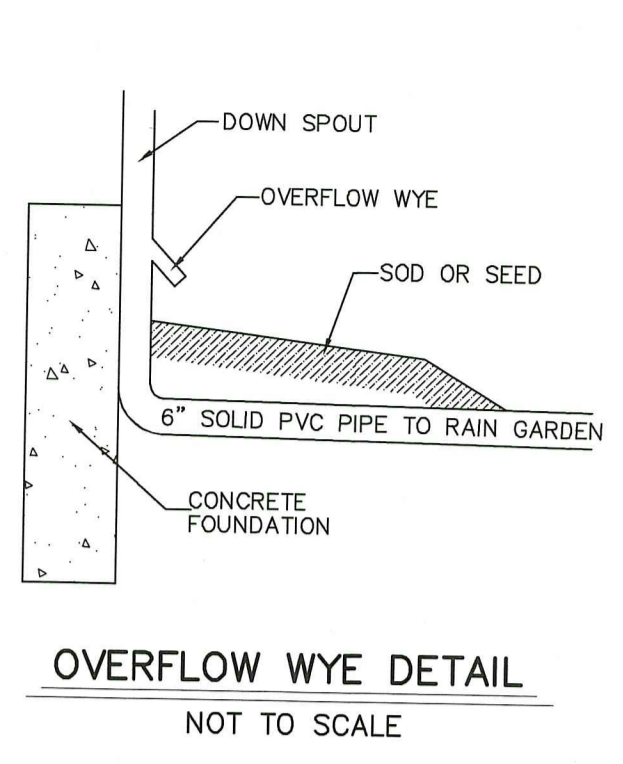
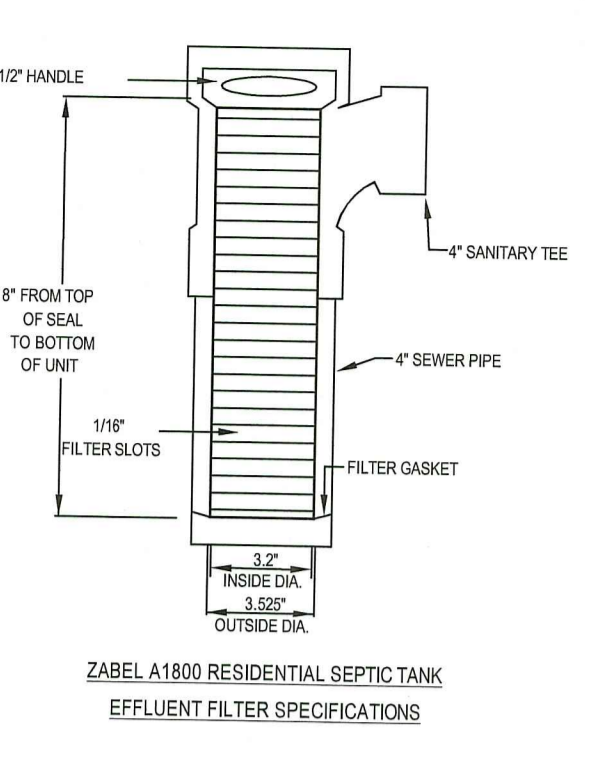
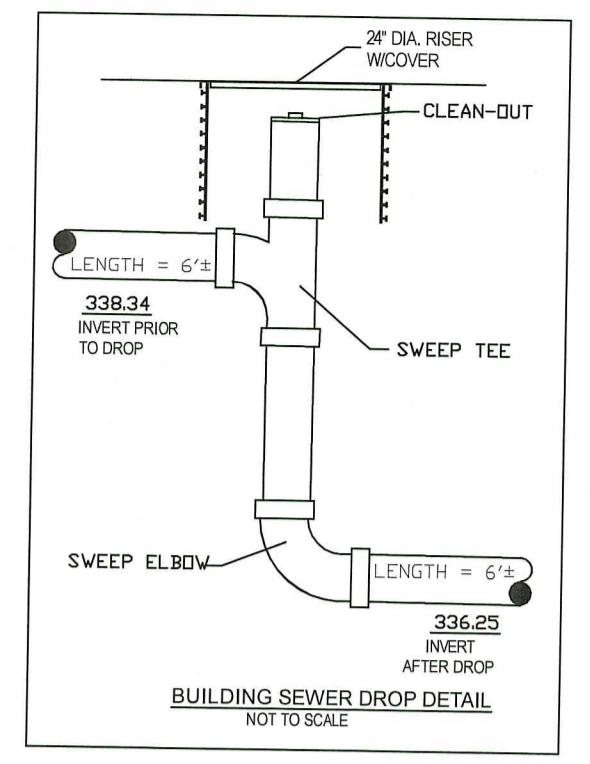
PROPOSED O.W.T.S. PLAN FOR  
**DONNA CORRIVEAU**  
PLAT 8, LOT 147  
566 PROVIDENCE PIKE  
NORTH SMITHFIELD, RHODE ISLAND

SCALE: 1" = 40'  
REVISIONS: JUNE 1, 2025  
PROJECT NO: 2023\_016  
DRAWN BY: S.A.K.  
DATE: JUNE 10, 2024  
SHEET NO: 6 OF 9



TYPICAL PROFILE THRU SYSTEM  
NOT TO SCALE

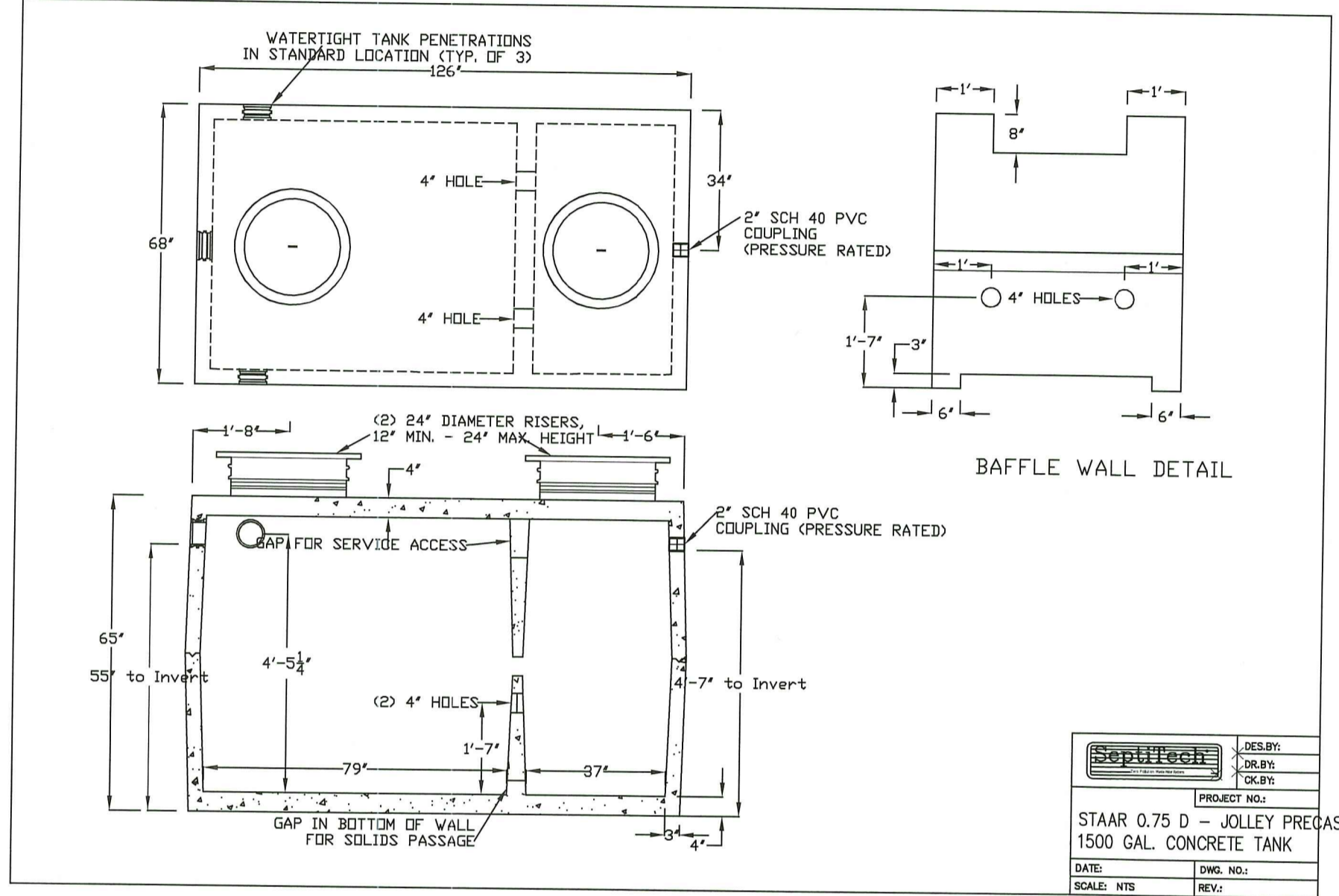
NOTE: MEET MANUFACTURER'S SPECIFICATIONS AND RI DEM REQUIREMENTS FOR ALL OWTS COMPONENTS.



OVERFLOW WYE DETAIL  
NOT TO SCALE

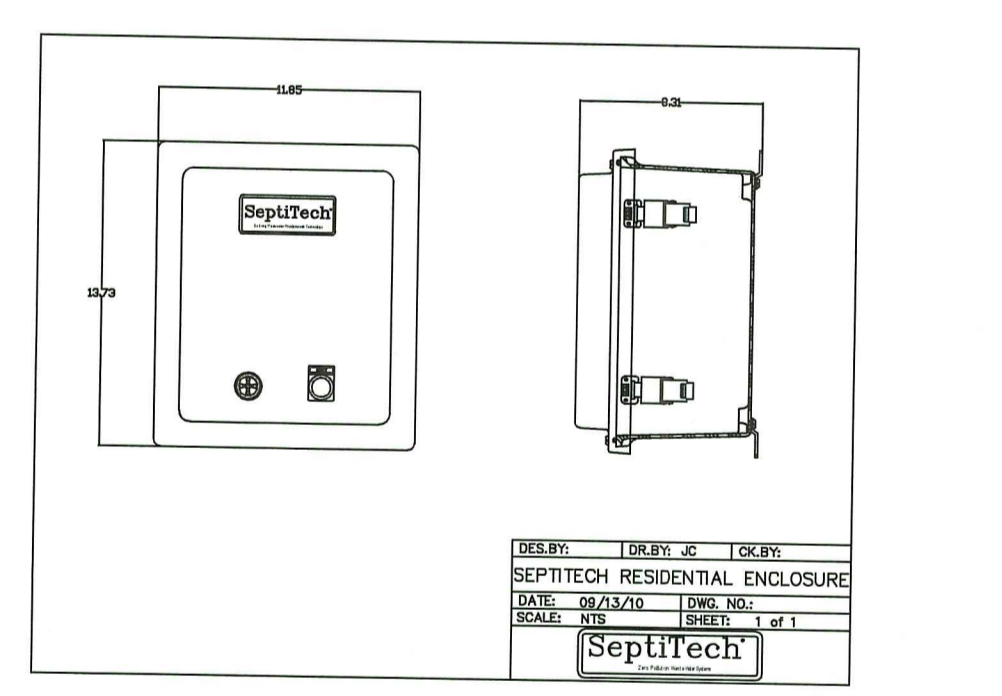
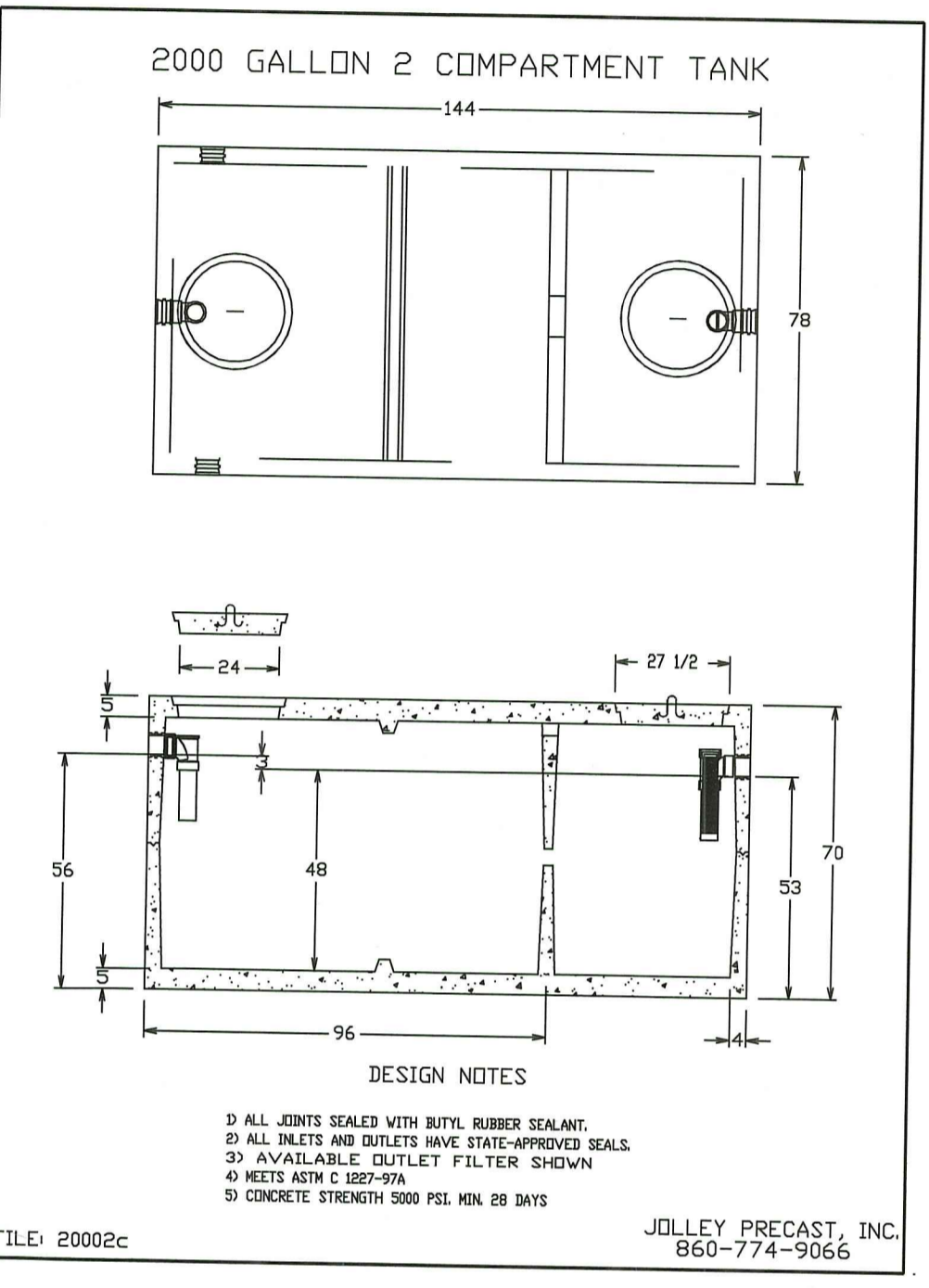
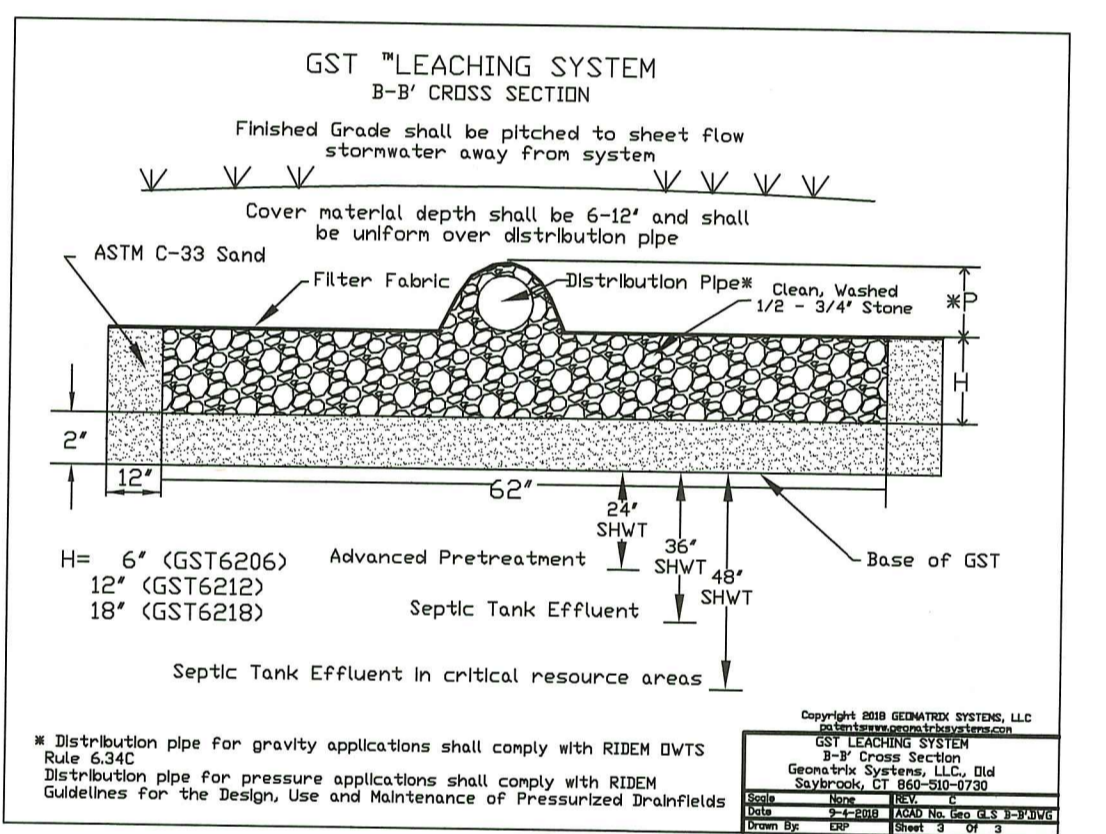
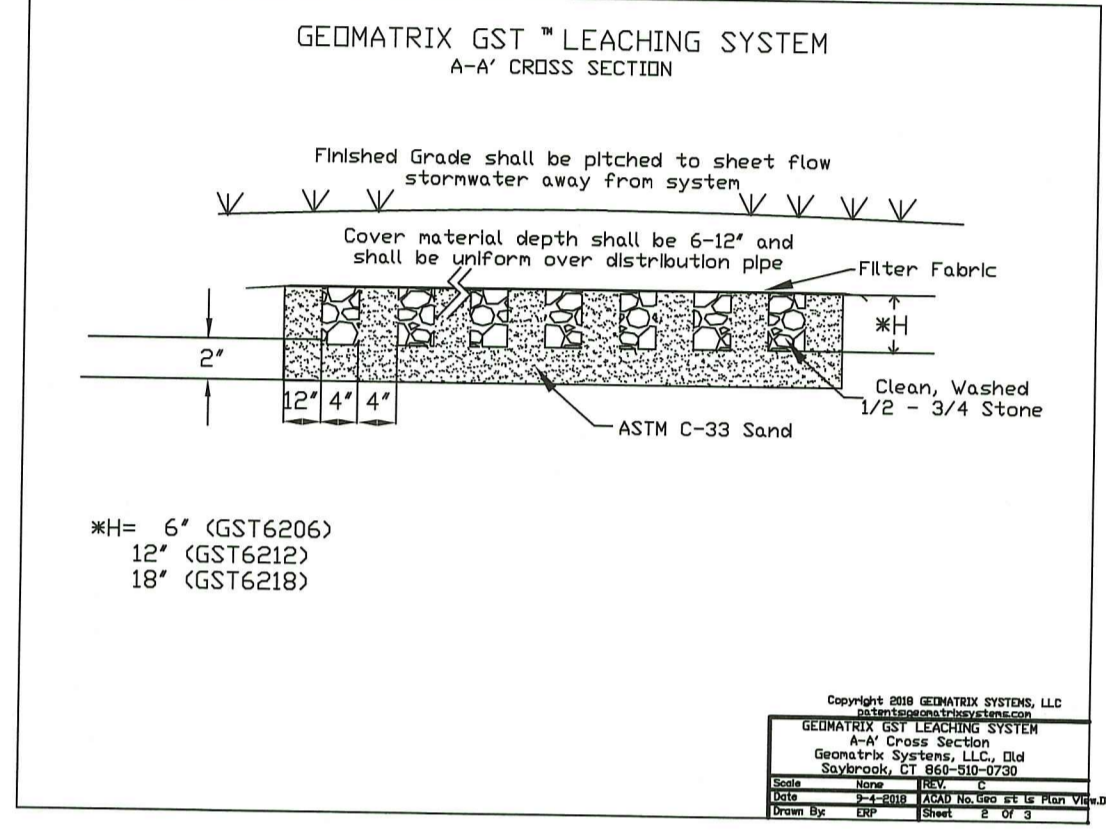
RAIN GARDEN CROSS-SECTION  
NOT TO SCALE

SeptiTech STAAR 0.75 D  
1500-GALLON PROCESSOR TANK

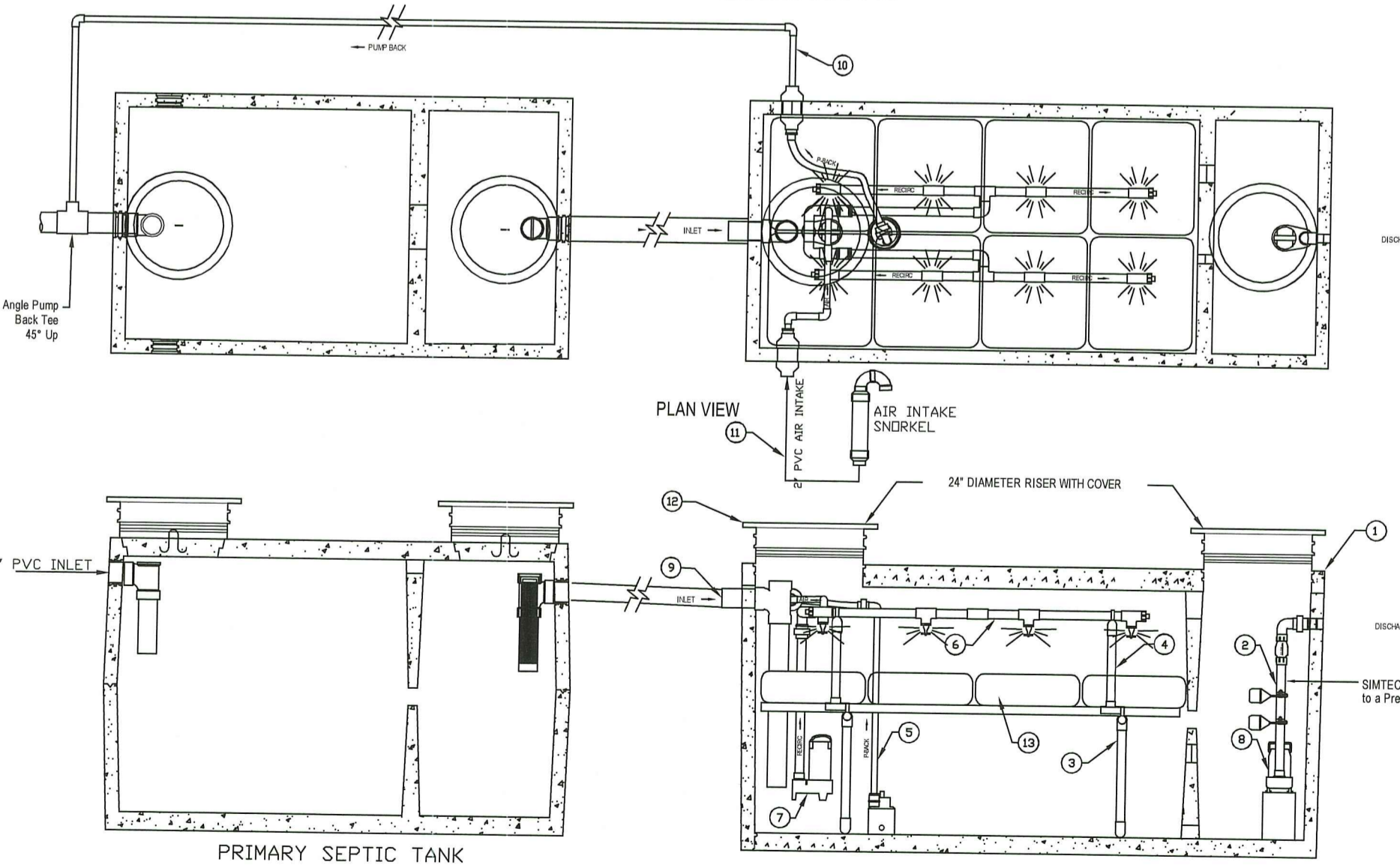


BAFFLE WALL DETAIL

STAAR 0.75 D - JOLLEY PRECAST  
1500 GAL CONCRETE TANK



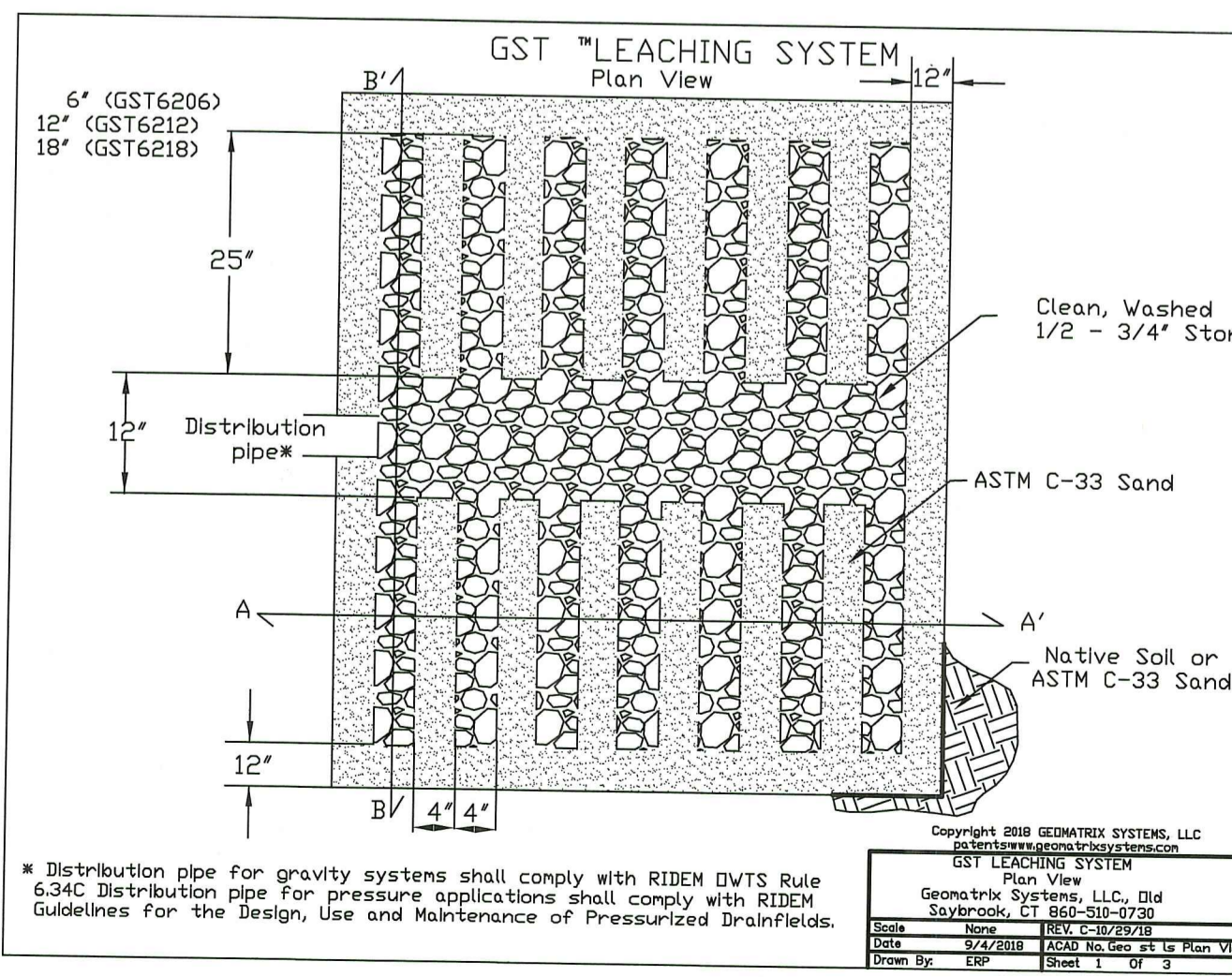
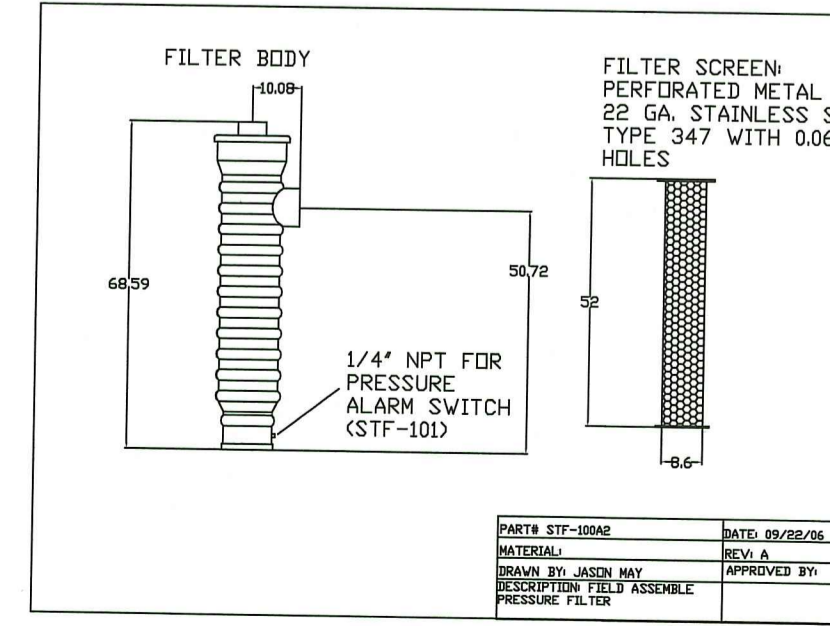
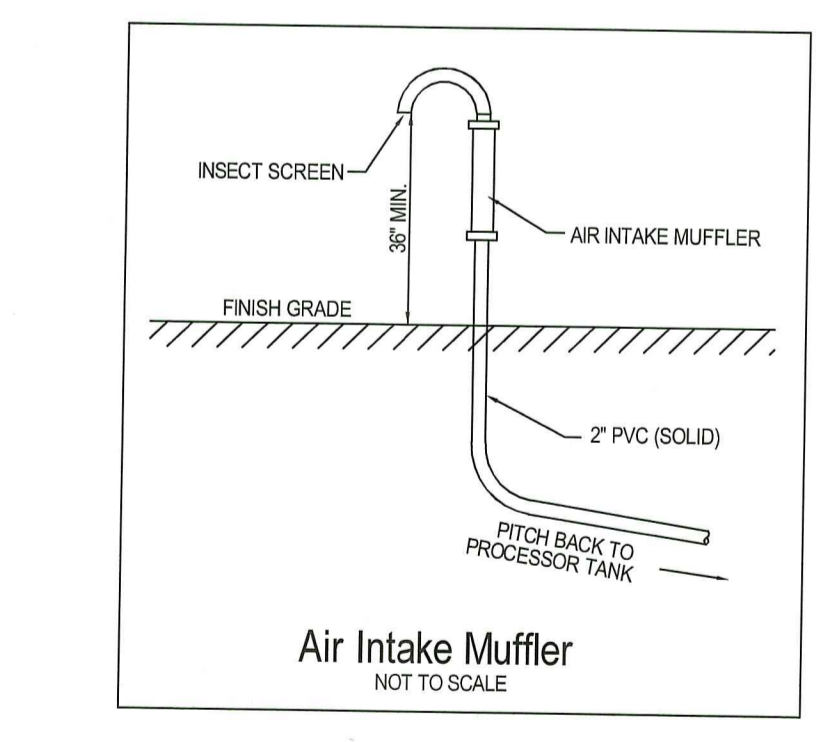
SeptiTech  
STAAR 0.75 D PROCESSOR LAYOUT



SECTION VIEW

| ITEM | DESCRIPTION   | ITEM | DESCRIPTION      |
|------|---|------|------------------|
| 1    | 1500 Gal. CONCRETE Tank                             | 8    | Discharge Pump   |
| 2    | Discharge Assembly w/ SMITTECH Filter (if required) | 9    | Inlet Pipe       |
| 3    | Support Structure                                   | 10   | Pump Back Line   |
| 4    | Spray Header Support Structure                      | 11   | Air Intake Line  |
| 5    | Pump Back Assembly                                  | 12   | Riser with Cover |
| 6    | Spray Header Assembly                               | 13   | Bio Media        |
| 7    | Recirculation Pump                                  |      |                  |

NOTE TO INSTALLER  
The SeptiTech processor tank needs to be 1/2 filled with clean water prior to startup.



SEDIMENTATION AND EROSION CONTROL:  
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL TEMPORARY SEDIMENTATION & EROSION CONTROL.  
2. EMBANKMENT SLOPES & ALL DISTURBED AREAS ARE TO RECEIVE A LAYER OF TOPSOIL (LOAM) AND SEED.  
3. IMMEDIATELY UPON COMPLETION OF THE CLEARING AND GRUBBING AND PRIOR TO ANY ROUGH GRADING, A TEMPORARY SILT FENCE OR HAY BALES SHALL BE PLACED AT THE LIMIT OF PERMANENT DISTURBANCE PER PLAN.  
4. ALL EROSION & SEDIMENTATION CONTROL SHALL BE PERIODICALLY MAINTAINED DURING BUILDING CONSTRUCTION BY THE CONTRACTOR.

EROSION & SOIL STABILIZATION PROGRAM:  
1. TEMPORARY TREATMENTS SHALL CONSIST OF A SILT FENCE, HAY BALES OR PROTECTIVE COVERS SUCH AS FABRIC MATS.  
2. THE SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED COVER IS ESTABLISHED.  
3. NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE APRIL 1 - OCT. 15.  
4. ALL FILL, IF REQUIRED, SHALL BE CLEAN AND THOROUGHLY COMPACTED UPON PLACEMENT IN STRICT CONFORMANCE WITH RIDPW STANDARD SPECIFICATION SECTION 202.

SEDIMENTATION CONTROL PROGRAM:  
1. A TEMPORARY SILT FENCE, HAY BALES OR PROTECTIVE COVER SHALL BE INSTALLED PRIOR TO CONSTRUCTION & SHALL BE MAINTAINED ON A DAILY BASIS. IN ADDITION TO THE LINE OF THE SILT FENCE AT THE LIMIT OF PERMANENT UNTIL VEGETATION IS ESTABLISHED.  
2. ALL HAY BALE COVER HAS BEEN ESTABLISHED.  
3. THE SILT FENCE AND HAY BALES ARE TO HAVE TWO STAKES DRIVEN INTO EACH HAY BALE.  
4. ALL SEDIMENTATION AND EROSION CONTROLS MUST BE INSTALLED AND PASS THE TOWN'S INSPECTION PRIOR TO ANY CONSTRUCTION WORK.  
5. DURING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ADEQUATE DRAINAGE FLOW DURING STORMS AND PERIODS OF RAINFALL.  
6. SEDIMENTATION CONTROL DEVICES SHALL BE INSPECTED CLOSELY AND MAINTAINED PROMPTLY AFTER EACH RAINFALL.

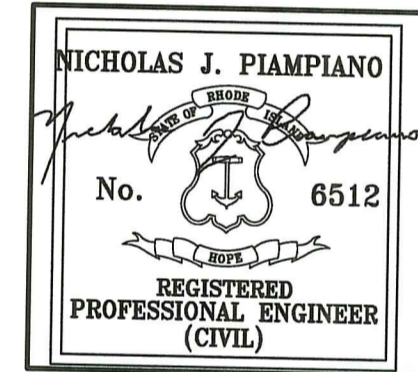
SLOPE STABILIZATION AND VEGETATION:  
1. THE SILT FENCE OR HAY BALES SHALL BE PLACED AT THE TOE OF ALL DISTURBED SLOPES. THIS SHALL BE MAINTAINED AS A SEDIMENT BARRIER UNTIL THE SLOPES ARE STABILIZED WITH GRASS.  
2. THE DISTURBED SLOPES (CUT OR FILL) SHALL BE IMMEDIATELY MULCHED AS AN EROSION PROTECTION MEASURE.  
3. MAINTAIN MULCH UNTIL THE SLOPES ARE STABILIZED WITH A SATISFACTORY GROWTH OF GRASS.  
4. VEGETATION REMOVED MAY BE SHREDDED AND CHIPPED ON SITE FOR USE AS MULCH, OR IT MAY BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER.  
5. THE RESEEDING OF THE DISTURBED SLOPES SHALL BE CONDUCTED WITH SEED MATERIALS SELECTED FOR PRODUCTION OF A QUICK COVER AND HARDY STAND, PARTICULARLY A CONSERVATION GRASS SEED OR COMPARABLE. THE SEEDING SHALL BE IN ACCORDANCE WITH COMMON NURSERY PRACTICE IN THE RHODE ISLAND AREA.  
6. PROVIDED THAT THE PROVISIONS OF THE SEDIMENTATION & EROSION CONTROL PLAN ARE IMPLEMENTED, THERE WILL BE NO ADVERSE ENVIRONMENTAL EFFECTS FROM THE PROPOSED CONSTRUCTION.

SIZING CALCULATION FOR RAIN GARDEN "A" PER RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE DOCUMENT FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT -  
TABLE 8: RAIN GARDEN SIZING GUIDANCE  
\* RAIN GARDEN "A" IS FOR RUN-OFF FROM THE PROPOSED DWELLING.  
\* PROPOSED IMPERVIOUS AREA = 4,920 S.F.  
\* RAIN GARDEN "A" DEPTH = 8 INCHES  
\* SOIL TYPE: SILTY SOILS = 0.16 SIZING FACTOR (1-INCH STORM EVENT)  
\* 4,920 S.F. X 0.16 = 787 S.F. RAIN GARDEN REQUIRED  
\* PROPOSED RAIN GARDEN "A" BOTTOM AREA = 1,000 S.F.

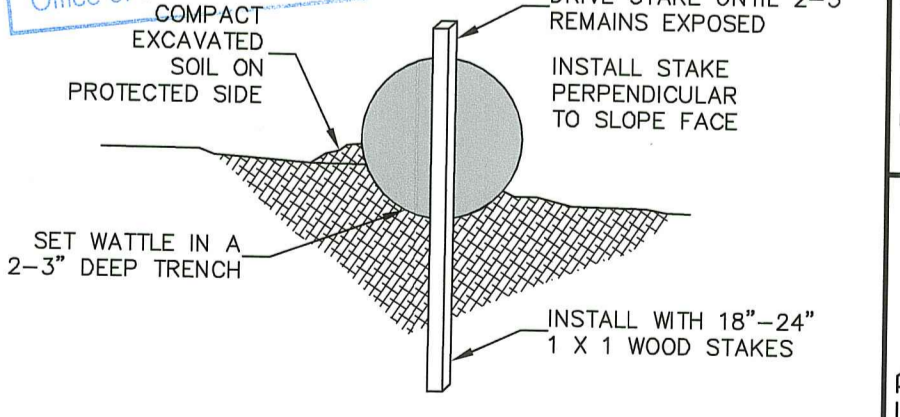
SIZING CALCULATION FOR RAIN GARDEN "B" PER RHODE ISLAND STORMWATER MANAGEMENT GUIDANCE DOCUMENT FOR INDIVIDUAL SINGLE-FAMILY RESIDENTIAL LOT DEVELOPMENT -  
TABLE 8: RAIN GARDEN SIZING GUIDANCE  
\* RAIN GARDEN "B" IS FOR RUN-OFF FROM A PORTION OF THE PROPOSED DRIVEWAY.  
\* PROPOSED IMPERVIOUS AREA = 8,100 S.F.  
\* RAIN GARDEN "B" DEPTH = 8 INCHES  
\* SOIL TYPE: SILTY SOILS = 0.16 SIZING FACTOR (1-INCH STORM EVENT)  
\* 8,100 S.F. X 0.16 = 1,296 S.F. RAIN GARDEN REQUIRED  
\* PROPOSED RAIN GARDEN "B" BOTTOM AREA = 1,300 S.F.

RAIN GARDEN NOTES:  
1. RAIN GARDEN SHALL BE INSPECTED FOLLOWING AT LEAST THE FIRST TWO (2) PRECIPITATION EVENTS OF AT LEAST 1.0 INCH TO ENSURE THAT THE SYSTEMS ARE FUNCTIONING PROPERLY. THEREAFTER, THE RAIN GARDEN SHALL BE MONITORED AND MAINTAINED TO ASSURE PROPER FUNCTIONING PLANT GROWTH AND SURVIVAL. PLANTS SHALL BE REPLACED ON AN AS-NEEDED BASIS DURING THE GROWING SEASON.  
2. SILT/SEDIMENT SHALL BE REMOVED FROM THE RAIN GARDEN WHEN THE ACCUMULATED SEDIMENT EXCEEDS ONE (1) INCH, OR WHEN WATER PONDS FOR MORE THAN 48 HOURS. THE TOP FEW INCHES OF MATERIAL SHALL BE REMOVED AND REPLACED WITH FRESH SOIL MIXTURE AND MULCH.  
3. PRUNING OR REPLACEMENT OF WOODY VEGETATION SHALL OCCUR WHEN DEAD OR DYING VEGETATION IS OBSERVED.  
4. SOIL EROSION GULLIES SHALL BE REPAIRED WHEN THEY OCCUR.  
5. FERTILIZER OR PESTICIDES SHALL NOT BE APPLIED TO PLANTS WITHIN RAIN GARDEN.  
6. PERENNIAL PLANTS AND GRASS COVERS SHALL BE REPLACED AS NECESSARY TO MAINTAIN AN ADEQUATE VEGETATED GROUND COVER. ANNUAL PLANTS MAY ALSO BE USED TO MAINTAIN GROUND COVER.  
7. THE PROPOSED PLANTINGS FOR THE RAIN GARDEN SHALL BE SUITABLE NATIVE PLANTS USED IN ACCORDANCE WITH THE RHODE ISLAND COASTAL PLANT GUIDE, WHICH IS LOCATED AT CELS.URI.EDU/TESTSITE/COASTALPLANTS/COASTALPLANTGUIDE.HTM.  
8. THE RAIN GARDEN SHALL BE PHYSICALLY DELINEATED PRIOR TO THE START OF CONSTRUCTION TO PREVENT ADDITIONAL COMPACTION.

SEPTITECH NOTES:  
-TANK(S) SHALL NOT BE INSTALLED AT A DEPTH ANY GREATER THAN 24-INCHES. TANK INSTALLATIONS REQUIRING A DEPTH GREATER THAN 24-INCHES SHALL DO SO WITH PRIOR APPROVAL BY SEPTITECH ONLY.  
-TANK(S) SHALL BE INSTALLED WITH A MINIMUM OF 12-INCHES OF COMPACTED CRUSHED STONE BEDDING. SELECT FILL SHALL BE USED FOR BACK FILLING AROUND TANKS. NATIVE MATERIAL MAY BE USED IF APPROVED BY THE ENGINEER.  
-WATER TESTING: CONTRACTOR IS RESPONSIBLE FOR WATER TESTING THE CONCRETE TANK(S) ONCE THE TANK(S) INSTALLATION HAS BEEN COMPLETED AND ALLOWED TO SET OVERNIGHT. WATER TESTING SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM C1227.9.2. INSTALLING CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING CLEAN WATER FOR THE TESTING, FILLING THE TANKS, AND PUMPING THE TANKS DRY ONCE TESTING IS COMPLETED.  
-EXTERIOR PIPING: CONTRACTOR IS RESPONSIBLE FOR SUPPLYING AND INSTALLING ALL EXTERIOR PIPING PER SEPTITECH INSTALLATION DRAINAGES.  
-AIR INTAKE PIPING: AIR INTAKE SNOORKEL SHALL BE INSTALLED WITHIN 100 FEET OF THE PROCESSOR TANK. AIR INTAKE PIPING SHALL BE INSTALLED SUCH THAT A POSITIVE PITCH IS PROVIDED BACK TOWARDS THE PROCESSOR TANK SUCH THAT ANY CONDENSATION BUILD UP IS FREE TO DRAIN.  
-PIPE INSULATION: CONTRACTOR IS RESPONSIBLE FOR INSULATING ALL PIPING EXTERIOR TO THE SEPTITECH PROCESSOR INCLUDING THE DISCHARGE LINE FROM THE DISPOSAL FIELD.  
-TANK INSULATION: AFTER CONCRETE TANKS HAVE BEEN INSTALLED AND WATER TESTING IS COMPLETED, CONTRACTOR SHALL INSULATE THE TOP AND SIDES OF THE PROCESSOR TANK BELOW FROST DEPTH (4- FEET MINIMUM) DOWN THE SIDES OF THE TANK WITH 2" RIGID FOAM (BLUE) BOARD INSULATION AND THEN COMPLETE BACKFILLING. CONTRACTOR IS ALSO RESPONSIBLE FOR INSTALLING INSULATION OVER THE TOP OF THE FORCE MAIN FROM THE SEPTITECH SYSTEM TO THE DISPOSAL FIELD IF NOT BURIED BELOW FROST LEVEL IN ORDER TO PREVENT FREEZING.  
-ELECTRICAL: ALL ELECTRICAL WORK IS THE RESPONSIBILITY OF THE CONTRACTOR'S LICENSED ELECTRICIAN AND IS NOT PROVIDED BY SEPTITECH.  
-SEPTITECH PROCESSORS CAN ALSO BE BUILT TO 3-PHASE POWER REQUIREMENTS. IF 3-PHASE IS REQUIRED, PLEASE NOTIFY SEPTITECH AT THE TIME OF CONTRACT SIGNING.



DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED: MAR 26 2025 FILE # 24-0183  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



STRAW WATTLE DETAIL  
NOT TO SCALE

WETLAND PLAN

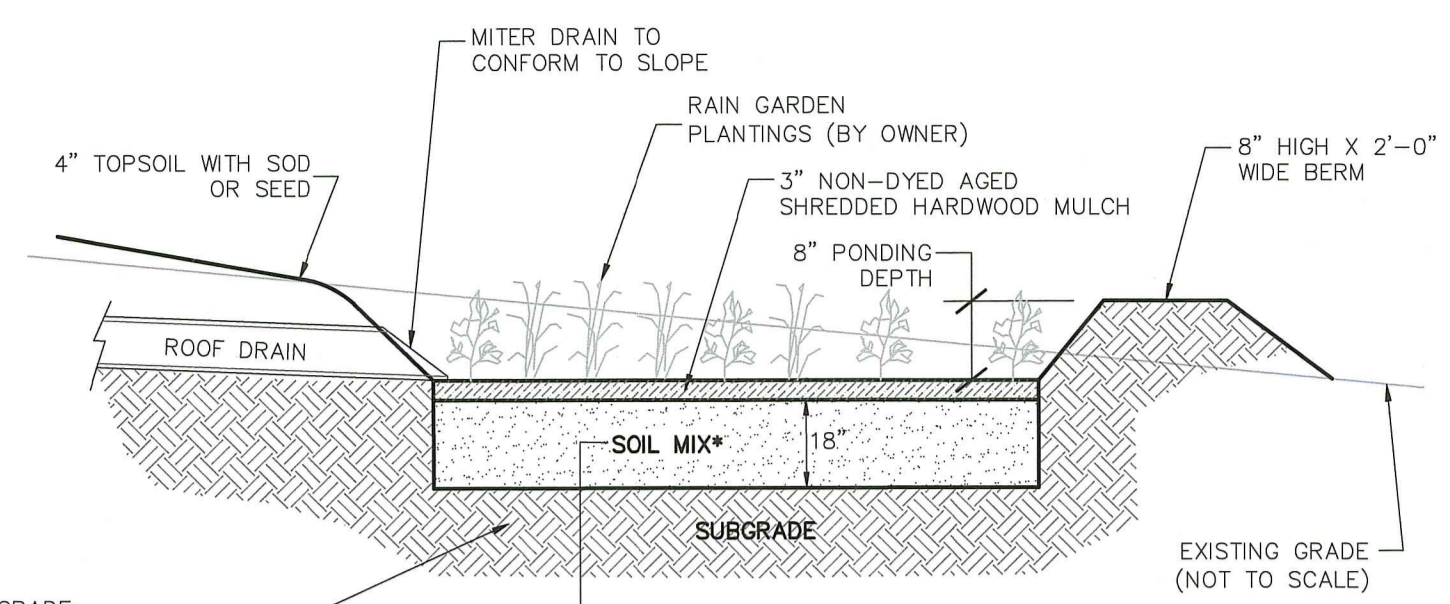
PROPOSED O.W.T.S. PLAN FOR  
DONNA CORRIVEAU  
PLAT 8, LOT 147  
566 PROVIDENCE PIKE  
NORTH SMITHFIELD, RHODE ISLAND

DARVEAU LAND SURVEYING, INC.  
786 GREAT ROAD, SUITE 5  
NORTH SMITHFIELD, R.I. 02896  
PHONE: 401-475-5700  
E-MAIL: MIKE@DARVEAUSURVEY.COM

PROJECT NO: 2023\_016  
SHEET NO: 7 OF 9  
REVISIONS:  
REVISED JUNE 1, 2025 AS NOTED  
DATE: JUNE 10, 2024  
DRAWN BY: S.A.K.

SCALE: AS NOTED

**TEMPORARY STORMWATER AND SOIL EROSION CONTROL DURING CONSTRUCTION NOTE:**  
 THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT EROSION CONTROLS SHOWN ON THIS PLAN ARE MINIMUM REQUIRED BASED ON THE FINAL GRADING CONDITIONS. DURING CONSTRUCTION ADDITIONAL CONTROLS MAY BE REQUIRED DUE TO TEMPORARY GRADING, EXCESSIVE RAIN EVENTS, AND OTHER UNKNOWN CONDITIONS THAT MAY BE ENCOUNTERED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT WETLANDS AND BUFFERS TO REMAIN ARE PROTECTED AT ALL TIMES FROM SEDIMENT DISCHARGE AND ANY ADJACENT PROPERTIES BE PROTECTED FROM EXCESSIVE STORMWATER FLOW BY INSPECTING AND PROVIDING MAINTENANCE TO ALL CONTROLS SHOWN ON THE PLAN OR AS NEEDED THROUGHOUT CONSTRUCTION.



**RAIN GARDEN SECTION DETAIL**

NOT TO SCALE  
 \* PER SOIL EVALS FSL

**Rain Garden Plantings:**

| LATIN NAME                  | COMMON NAME       | SIZE  | SPACING  |
|-----------------------------|-------------------|-------|----------|
| <b>GRASSES / PERENNIALS</b> |                   |       |          |
| FESTUCA OVINE GLAUCA        | BLUE FESCUE       | 1 GAL | 18" O.C. |
| PANICUM VIRGATUM            | SWITCHGRASS       | 1 GAL | 18" O.C. |
| PENNISETUM ALOPECUROIDES    | FOUNTAIN GRASS    | 1 GAL | 18" O.C. |
| RUBROCKIA HIRTA             | BLACK EYED SUSAN  | 1 GAL | 18" O.C. |
| <b>SHRUBS</b>               |                   |       |          |
| CEPHALANTHUS OCCIDENTALIS   | COMMON BUTTONBUSH |       |          |
| COMPTONIA PEREGRINA         | SWEET FERN        |       |          |
| LEDUM GROENLANDICUM         | LABRADOR TEA      |       |          |
| PHOTINIA MELANOCARPA        | BLACK CHOKEBERRY  |       |          |

• FINAL PLANTINGS TO BE CHOSEN AND INSTALLED BY OWNER OR OWNER REPRESENTATIVE. REFERENCE THE RHODE ISLAND COASTAL PLANT GUIDE AT [www.uri.edu/cos/ceac/cosplantguide/CosPlantGuide](http://www.uri.edu/cos/ceac/cosplantguide/CosPlantGuide).

**FLOODPLAIN RE-VEGETATION & PLANTING NOTES:**

- UPON COMPLETION OF FINAL GRADING THE FLOODPLAIN COMPENSATION AREA SCREENED TOPSOIL SHALL BE PLACED 4"-6" THICK.
- THE AREA WILL THEN BE SEEDDED WITH A NORTHEAST WILDFLOWER CONSERVATION MIX THEN MULCHED WITH LOOSE STRAW.
- THE FOLLOWING SHRUBS SHALL BE PLANTED 5'-6" ON CENTER THROUGHOUT THE AREA:  
 25 PEPPERBUSH (CLETHRA ALNIFOLIA)  
 25 ARROWWOOD (VIBURNUM DENTATUM)
- SHRUBS SHALL BE 3-5 GALLON CONTAINERS STOCK MEETING A 2'-3" TALL STANDARD.
- ANY SHRUBS WHICH DO SURVIVE AFTER 1 FULL YEAR SHALL BE REPLACED.

**ROOF RAIN GARDEN SIZING CALCULATIONS**

- Impervious Driveway CUL-DE-SAC Area = 5,538 s.f.
- Soil type: Sand
- Design Coefficient of Permeability = 1.0 ft/day
- Intensity = 1-inch
- Water Quality Volume Needed:  
 $5,538 \text{ s.f.} \times 0.083 (1") = 460 \text{ c.f.}$
- Proposed Rain Garden Depth = 8-inches or 0.7-foot

Surface Area at Bottom of the Garden:  
 $A(f) = (WQv)(df) / [(k)(hf + df)(tf)]$

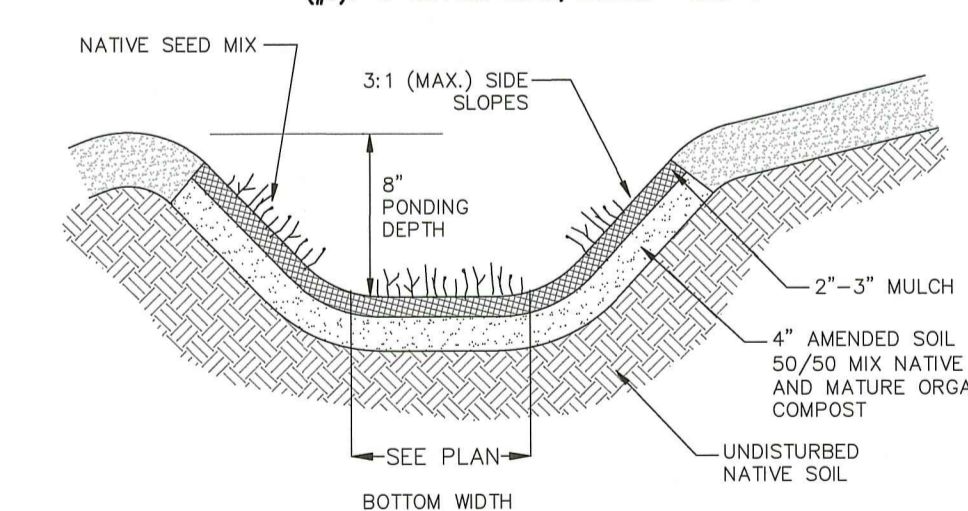
Where:  
 A(f) = surface area of the filter bed (ft²)  
 df = Filter bed depth (ft) = 1.0 ft  
 K = coefficient of permeability of the filter media (use 1.0 ft/day)  
 hf(f) = Average height of water above the RAIN GARDEN (ft) (use 0.7 ft)  
 tf = design filter bed drain time (assume 1 day for design purposes)

$A(f) = (460)(1.0) / [(1.0)(0.7 + 1.0)(1.0)]$   
 $A(f) = 271 \text{ s.f. use } 366 \text{ s.f.}$

**VEGETATED SWALE SIZING:**

| IMPERVIOUS AREA       | SIZE PER RIDEM GUIDANCE MANUAL (SANDY SOILS)         |
|-----------------------|--|
| AREA #1 STA 6+50-8+25 | 224 S.F. REQUIRED (BOTTOM AREA) FOR 8" PONDING DEPTH |
| AREA #2 STA 5+50-6+50 | 128 S.F. REQUIRED (BOTTOM AREA) FOR 8" PONDING DEPTH |
| AREA #3 STA 2+25-5+25 | 384 S.F. REQUIRED (BOTTOM AREA) FOR 8" PONDING DEPTH |

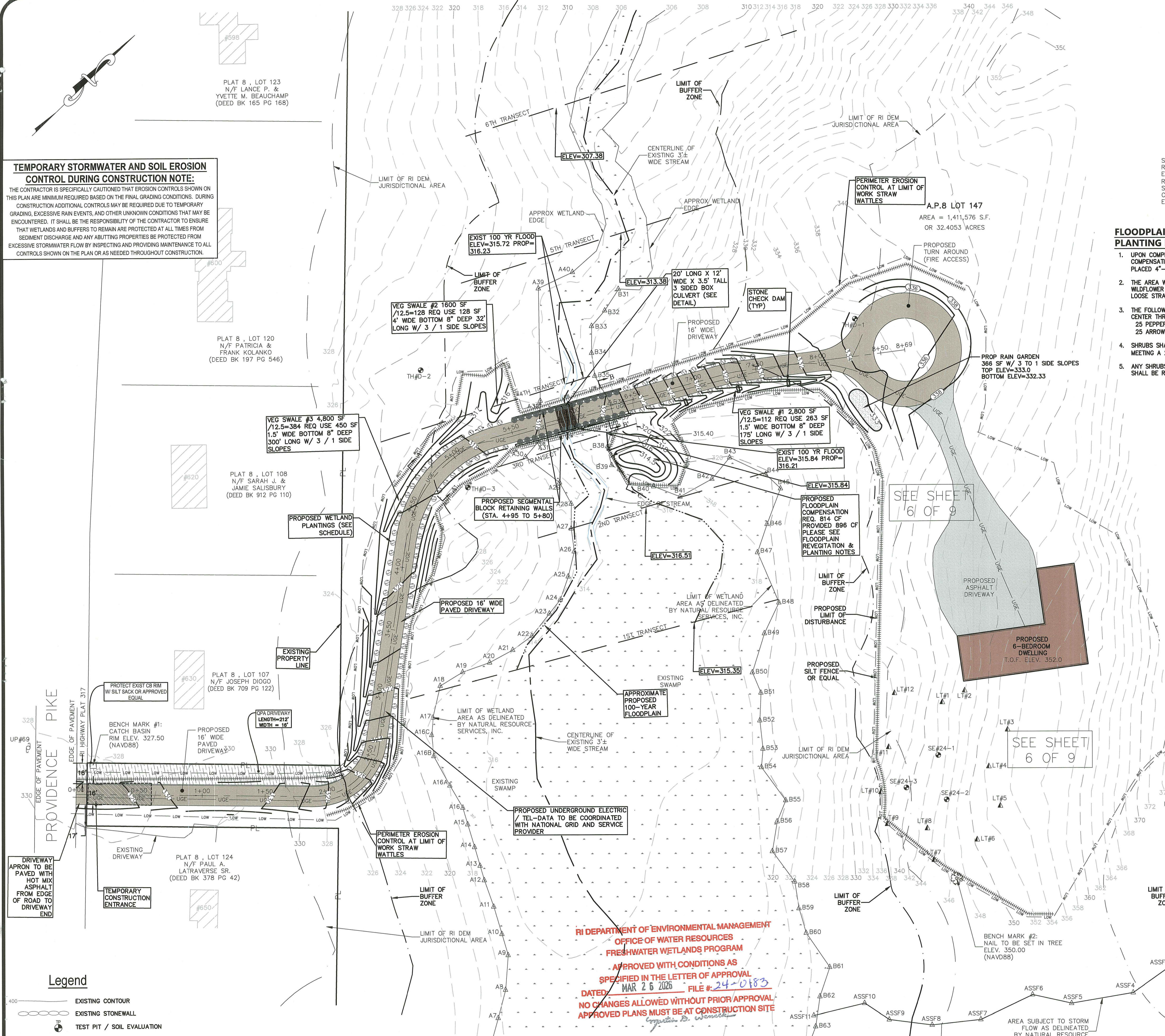
SIZING OPTIONS FOR SWALE #1, #2 & #3:  
 (1) 1'-5" BOTTOM WIDTH, LENGTH = 175'-0"  
 (2) 4'-0" BOTTOM WIDTH, LENGTH = 32'-0"  
 (3) 1'-6" BOTTOM WIDTH, LENGTH = 300'-0"



**VEGETATED SWALE**

**STORMWATER OPERATION & MAINTENANCE**

- THE HOMEOWNER WILL HAVE THE RESPONSIBILITY TO MAINTAIN THE FUNCTIONALITY OF GRADING AND DRAINAGE MEASURES SHOWN ON THIS PLAN.
- VEGETATED SWALES SHALL BE INSPECTED ANNUALLY AND SHOULD BE INSPECTED AFTER LARGE STORM EVENTS.
- SWALE ERODED SIDE SLOPES AND CHANNEL BOTTOMS SHALL BE STABILIZED AS NECESSARY.
- IF THE SURFACE OF THE SWALE BECOMES CLOGGED TO THE POINT THAT STANDING WATER IS OBSERVED ON THE SURFACE 48 HOURS AFTER PRECIPITATION EVENTS, THE BOTTOM SHALL BE ROTO-TILLED OR CULTIVATED TO BREAK UP ANY HARD-PACKED SEDIMENT, AND THEN RESEEDED.
- VEGETATION IN DRY SWALES SHALL BE MOVED AS REQUIRED TO MAINTAIN MINIMUM GRASS HEIGHTS IN THE 4-8 INCH RANGE.
- EVERY FIVE YEARS, THE CHANNEL BOTTOM OF DRY SWALES SHOULD BE SCRAPED TO REMOVE SEDIMENT AND TO RESTORE ORIGINAL CROSS SECTION AND INFILTRATION RATE, AND SHOULD BE SEEDDED TO RESTORE GROUND COVER, WHERE NECESSARY.



**Legend**

- EXISTING CONTOUR
- EXISTING STONEWALL
- TEST PIT / SOIL EVALUATION
- PROPOSED CONTOUR
- PROPOSED WELL
- EROSION CONTROL STRAW WATTLE
- T.F. TOP ELEV. OF FOUNDATION
- T.SLAB TOP ELEV. OF CONC. SLAB
- LIMIT OF DISTURBANCE

**Planting Schedule**

| SYMBOL   | NAME                                | HEIGHT | SPACING    | QTY. |
|----------|-------------------------------------|--------|------------|------|
| (Symbol) | INKBERRY (ILEX GLABRA)              | 3'-4'  | 6 FT. O.C. | 30   |
| (Symbol) | RHODODENDRON (RHODODENDRON MAXIMUM) | 4'-5'  | 8 FT. O.C. | 114  |

**QPA MAINTENANCE NOTE**

1. QPA'S ARE TO REMAIN IN NATURAL VEGETATION OR ARE TO VEGETATED WITH LOW MAINTENANCE GRASSES.

**PROPOSED WETLAND IMPACTS**

STREAM CHANNEL - 26'  
 WETLANDS - 1,803 S.F.  
 WETLAND BUFFER - 19,237 S.F.

**RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
**OFFICE OF WATER RESOURCES**  
**FRESHWATER WETLANDS PROGRAM**  
 APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL DATED MAR 26 2026 FILE # 24-0183  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL. APPROVED PLANS MUST BE AT CONSTRUCTION SITE

Environmental Management  
 SEP 05 2026  
 Office of Water Resources

**General Notes:**

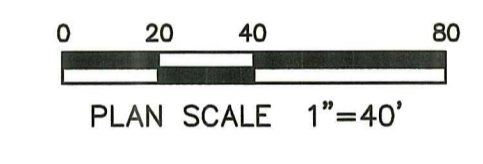
- PROPERTY LINE, EXISTING CONDITIONS, AND TOPOGRAPHY SHOWN ON THIS PLAN WAS PREPARED BY DARVEAU LAND SURVEYING, INC. OF CUMBERLAND, RI.
- WETLANDS WERE FIELD DELINEATED BY NATURAL RESOURCE SERVICES.
- THE DEVELOPER/CONTRACTOR IS RESPONSIBLE TO COORDINATE AND OBTAIN ALL PERMITS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY DIO-SAFE 72 HOURS PRIOR TO START OF CONSTRUCTION.
- EROSION CONTROL MEASURES SHOWN ON THIS PLAN ARE TO BE CONSIDERED THE MINIMUM REQUIREMENT FOR CONTROLS. THE CONTRACTOR SHALL HAVE THE RESPONSIBILITY TO INSTALL AND MAINTAIN ADDITIONAL EROSION CONTROLS AS REQUIRED DURING CONSTRUCTION TO MITIGATE SEDIMENT RUNOFF AND PROVIDE FOR SLOPE PROTECTION.
- ALL DISTURBED AREAS WITHIN LIMIT OF WORK ARE TO BE STABILIZED WITH A MINIMUM OF 4" LOAM AND SEEDDED.

**RIDOT General Notes:**

- 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, 2008 EDITION (AMENDED MARCH 2018) WITH ALL REVISIONS AND ADDENDA. STANDARD DETAILS FOR THIS WORK ARE R.I. STANDARD DETAILS 1998 EDITION (AMENDED JUNE 2019) WITH ALL REVISIONS.
- ALL TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), 2009 EDITION, INCLUDING ALL REVISIONS.
- THE OWNER SHALL FILE AND OBTAIN A UTILITY PERMIT WITH RIDOT FOR ANY UTILITY CONNECTIONS WITHIN THE STATE'S RIGHT-OF-WAY PRIOR TO INSTALLATION.

**Soil Erosion & Sediment Control Notes**

- ALL EROSION CONTROLS SHALL BE MAINTAINED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS OR APPROVED GROUND COVER IS ESTABLISHED.
- EROSION CONTROL BARRIERS CONSISTING OF STRAW WATTLES OR EQUAL SHALL BE INSTALLED AS SHOWN ON THIS PLAN AT A MINIMUM. ADDITIONAL BARRIERS MAY BE REQUIRED DUE TO THE LOGISTICS OF THE PROJECT. REMOVE THE ACCUMULATED SEDIMENT WHEN HALF THE HEIGHT OF THE BARRIER IS FILLED IN.
- STOCKPILES OF SOILS AT THE RISK OF EROSION FROM WIND OR RAIN SHALL BE PROTECTED WITH EROSION CONTROL BARRIERS AND TEMPORARY SEED.
- THE CONSTRUCTION ENTRANCE (I.E. STONE ANTI-TRACKING PAD) SHALL BE INSTALLED AND MAINTAINED THROUGHOUT BY THE CONTRACTOR. MAINTENANCE SHALL INCLUDE REPLACEMENT AND/OR TOP DRESSING WITH ADDITIONAL STONE AS REQUIRED.
- ALL SEDIMENTS SPILLED, DROPPED, WASHED, OR TRACKED ONTO THE PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.
- ALL DISTURBED AREAS SHALL BE STABILIZED SHALL, AT A MINIMUM, RECEIVE 4" OF TOPSOIL AND SEED.
- REFERENCE THE "RHODE ISLAND EROSION AND SEDIMENTATION CONTROL HANDBOOK" FOR FURTHER INFORMATION INCLUDED DETAILS AND PROCEDURES.



**Advanced Civil Design, Inc.**  
 CIVIL ENGINEERS

88 PEEPTOAD ROAD  
 SITUATE, RI 02857  
 PH: (401) 644-8656

| NO. | DATE     | REVISION  |
|-----|----------|-----------|
| 4   | 6/1/25   | PER RIDEM |
| 3   | 3/27/25  | PER RIDEM |
| 2   | 2/14/25  | PER RIDEM |
| 1   | 11/29/24 | PER RIDEM |

**Proposed Single Family Dwelling**

A.P. 8 LOT 147  
 566 PROVIDENCE PIKE  
 NORTH SMITHFIELD, RI 02896

PREPARED FOR:  
 DONNA CORRIVEAU  
 566 PROVIDENCE PIKE  
 NORTH SMITHFIELD, RI 02896

**DRAWING TITLE:**

**OVERALL SITE PLAN**

DATE: JUNE 2024  
 SCALE: AS NOTED  
 DESIGNED BY: N.J.P.  
 CHECKED BY: C.S.R.

NICHOLAS J. PIAMPANO  
 No. 6512  
 REGISTERED PROFESSIONAL ENGINEER (CIVIL)  
 SHEET 8 OF 9

