

- LEGEND**
- EXISTING CONTOUR  340
  - PROPOSED CONTOUR  340
  - WETLAND FLAG  Δ B1
  - 50' PERIMETER WETLAND
  - ROOF DRAIN LEADER  RD
  - SILT FENCE & OF DISTURBANCE
  - PROPOSED ELECTRIC  E
  - EXISTING CATCH BASIN  CB
  - PROPOSED UTILITY POLE  -O- UP
  - ABOVE GROUND UTILITIES ENDS AFTER CROSSING  OH
  - UNDERGROUND UTILITIES BEGINS AFTER CROSSING  E
  - BUFFER MARKER  ●

RAIN GARDEN - 6'x23' (138 SF)  
 BOTTOM ELEV. = 339.3  
 DISTANCE FROM WELL = 25 FT. MIN.  
 DISTANCE FROM FOUNDATION = 10 FT. MIN.

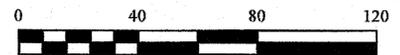
- RAIN GARDEN PLANTING SCHEDULE**  
 -NO SCALE-
- (5) IRIS VERSICOLOR  
24" O.C.
  - (4) RUDBECKIA FULGIDA GOLDSTRUM  
30" O.C.
  - (4) PANICUM VIRGATUM SWITCHGRASS  
30" O.C.
- 15'x9'x 8" DEEP = 135 S.F.  
 BOTTOM ELEVATION = 339.3  
 (8" DEEP)

- PLANTING SCHEDULE:**
- ⊙ RHODODENDRON (RHODODENDRON MAXIMUS)  
3'-4' HIGH AFTER PLANTING  
SPACED 8 FT. O.C. (AS SHOWN)
  - ⊙ WHITE PINE (8) (PINUS STROBUS)  
5 FT. TALL 10 FT. O.C.
  - ⊙ PEPPERBUSH (12) (ELETHRA ALNIFOLIA)  
2'-3' TALL 5 FT. O.C.

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS AS  
 SPECIFIED IN THE LETTER OF APPROVAL  
 DATED: AUG 23 2022 FILE #: 16-0257  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Nancy L. Freeman*

- NOTES**
- 1) THIS SITE HAS AN RIDEM WETLANDS SECTION, APPROVED APPLICATION, NO. 16-0257. (KIMBALL BURGESS)
  - 2) THE PROPOSED MODIFICATION TO THE PROJECT ARE AS FOLLOWS:  
 PORCHES AND DECK ADDED TO HOUSE  
 HOUSE FOOTPRINT IS REVISED TO ELIMINATE THE 2 FT. JOG IN THE SOUTHEASTERLY CORNER.  
 RELOCATE RAIN GARDEN, PARALLEL TO LOT LINE.

RI Environmental Management  
 AUG 11 2022  
 Office of Water Resources



**CERTIFICATION**  
 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 MAY 04, 2016, AS FOLLOWS:

TYPE OF BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY  
 MEASUREMENT SPECIFICATION: CLASS 1  
 VERTICAL CONTROL STANDARD: V-4  
 TOPOGRAPHIC SURVEY ACCURACY: T-3

THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:  
 WETLAND PERMIT MODIFICATION

PATRICIA A. KELLY  
 1966  
 PROFESSIONAL LAND SURVEYOR  
 5/30/22

BENCHMARK:  
 CORNER OF CATCH BASIN = 340.29  
 MSL SCALED

BY: *Patricia A. Kelly* 5/30/22  
 PATRICIA A. KELLY, PLS #1966 COA #A734 DATE

NO.	REVISION	DATE	BY
2	REVISED RAIN GARDEN LOCATION		05/30/22
1	REVISED DECK SIZE		03/02/22

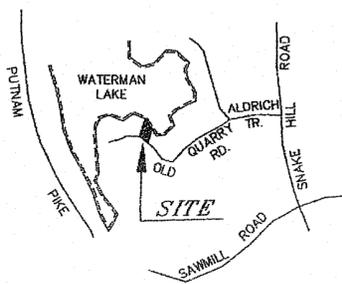
**WETLANDS PERMIT - MODIFICATION PLAN**

MICHAEL BARNES  
 OLD QUARRY ROAD  
 GLOCESTER, RI  
 PINELEDGE PLAT - LOT 15

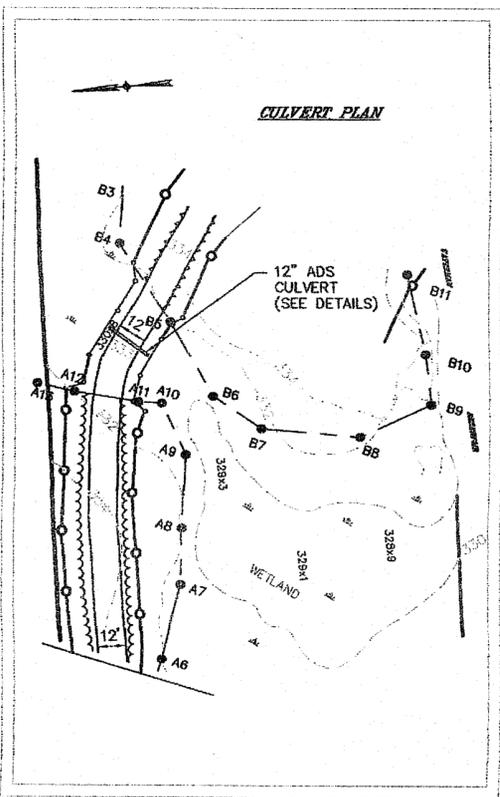
KELLY LAND SERVICES, INC.  
 kellylandservices@gmail.com  
 LAND SURVEYING - SUBDIVISIONS - SEPTIC DESIGNS - SOIL EVALUATIONS

97 BUCKS WAY  
 TIVERTON, RI 02878  
 401-293-0535  
 PO BOX 278  
 GREENVILLE, RI 02828  
 401-232-2620

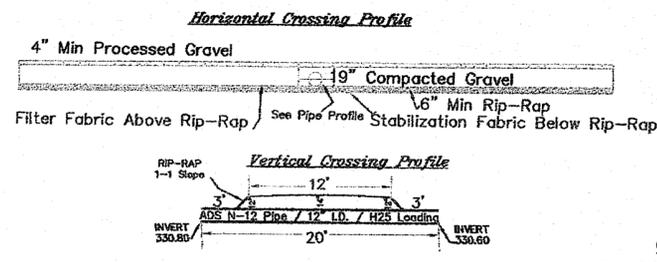
DATE: 11/19/21  
 SCALE: 1"=40'  
 SHEET NO: 1 OF 1  
 PROJ. NO: IMS 050806-W3



**LOCUS MAP**  
NOT TO SCALE

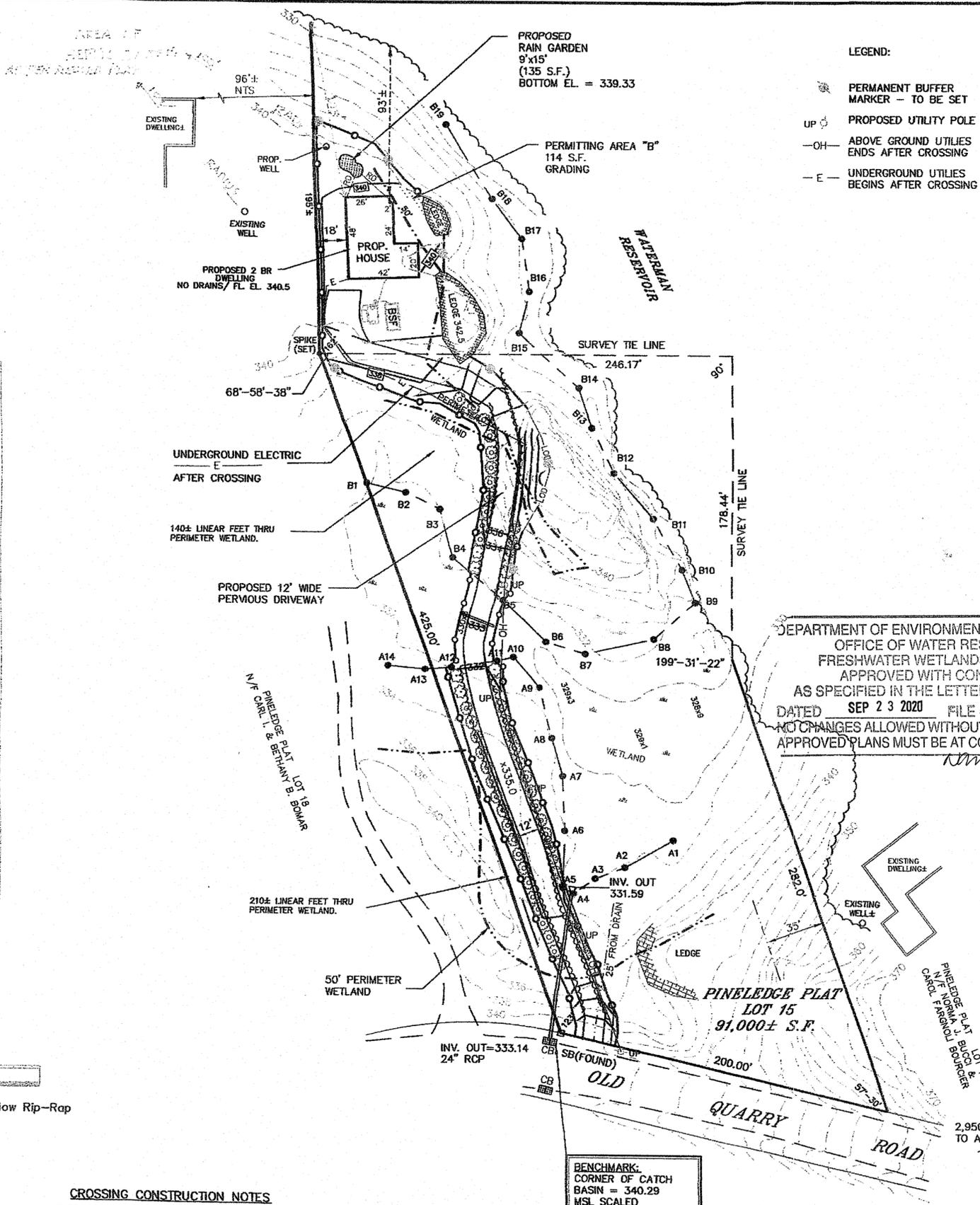


**CULVERT PLAN**

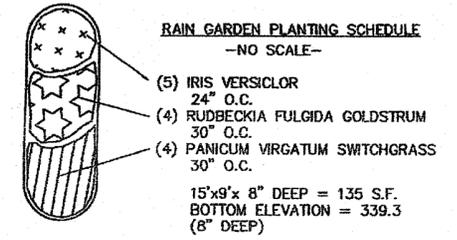


Detail Scale 1" = 10'

- CROSSING CONSTRUCTION NOTES**
1. PLACE EROSION CONTROLS PRIOR TO ANY EXCAVATION
  2. REMOVE A HORIZON (Loam) IN ROAD AREA ONLY.
  3. INSTALL STABILIZATION FABRIC AT BOTTOM EXCAVATION.
  4. PLACE MIN 6" RIP-RAP ABOVE FABRIC.
  5. INSTALL ADS PIPE AS SHOWN BY:
  6. INSTALL FILTER FABRIC PRIOR TO GRAVEL PLACEMENT.
  7. PLACE AND COMPACT GRAVEL IN 6" LIFTS.
  8. PLACE PROCESSED GRAVEL TO FINISH GRADE.
  9. FINALLY CONTOUR AND PLACE 1-1 SLOPING RIP-RAP.



- LEGEND:**
- PERMANENT BUFFER MARKER - TO BE SET
  - UP PROPOSED UTILITY POLE
  - OH- ABOVE GROUND UTILITIES ENDS AFTER CROSSING
  - E- UNDERGROUND UTILITIES BEGINS AFTER CROSSING



- PLANTING SCHEDULE:**
- RHODODENDRON (RHODODENDROM MAXIMUS) 3'-4" HIGH AFTER PLANTING SPACED 8 FT. O.C. (AS SHOWN)
  - WHITE PINE (8) (PINUS STROBUS) 5 FT. TALL 10 FT. O.C.
  - PEPPERBUSH (12) (ELETHRA ALNIFOLIA) 2'-3' TALL 5 FT. O.C.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED SEP 23 2020 FILE # 16-0257  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL.  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE.  
*Anthony E. Muscatelli*

**CERTIFICATION:**

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 JANUARY 28, 2015, AS FOLLOWS:

TYPE OF BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY  
MEASUREMENT SPECIFICATION: CLASS 1  
VERTICAL CONTROL STANDARD: V-4  
TOPOGRAPHIC SURVEY ACCURACY: T-3

THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:  
WETLAND / ZONING PERMIT

BY: *Anthony E. Muscatelli* 8-16-20  
ANTHONY E. MUSCATELLI, PLS #1718 COA #A207 DATE

Environmental Management  
AUG 31 2020  
Office of Water Resources



ROBERT F. ANGILLI, JR.  
No. 3582  
REGISTERED PROFESSIONAL ENGINEER

ANTHONY E. MUSCATELLI  
No. 1718  
REGISTERED LAND SURVEYOR

**INTERNATIONAL MAPPING & SURVEYING CORP.**  
LAND SURVEYING CIVIL ENGINEERING PHOTOGRAMMETRIC MAPPING  
19 INDUSTRIAL DRIVE, SMITHFIELD, R.I. 02917 (401) 232-2620

**WETLANDS PLAN - MODIFICATION**  
for KIMBALL W. BURGESS  
on OLD QUARRY ROAD  
in GLOUCESTER, RI  
PINELEDGE PLAT LOT 15

MISC. REV.	8/10/20	2
REV. HOUSE PER CLIENT	7/21/20	1
REVISIONS	DATE	NO.
DRAWN BY	P.A.K.	
CKD. BY	A.E.M.	
APPRD. BY	A.E.M.	
DATE	07/14/20	
SCALE	1"=50'	
SHEET	1 OF 1	
DWG.NO.	050806-Z	

Soil L / Ledge Probes #1413-0075

SE#1-EL.341.19/60" SHWT/112" Depth  
 SE#2-EL.340.88/60" SHWT/88" Depth  
 SE#3-EL.335.85/38" SHWT/84" Depth  
 SHWT Design Depth 932.85  
 BEDROCK Design Depth 937.52  
 Bottom Peastons/Top Sand EL: 942.52  
 L1-EL.340.63/88" Depth  
 L2-EL.340.79/44" Depth  
 L3-EL.341.21/66" Depth  
 L4-EL.340.16/87" Depth  
 L5-EL.340.92/66" Depth  
 L6-EL.338.85/20" Depth  
 L8-EL.337.63/18" Depth  
 L9-EL.337.25/42" Depth

**DESIGN DATA**

Proposed 2 B/R Dwelling / 230 Gals/Day  
 Soil Cat #6 / BSF Rate 2.3 Gal/SF/Day  
 SHWT by Soil Eval 9' EL: 92.00  
 Minimum Required BSF Area = 100 S/F  
 Area Provided = 105 S/F

**NOTES**

SEE ATTACHED TYPICALS & DESIGN CRITERIA  
 SEE ATTACHED BSF NOTES, DETAILS AND CALCULATIONS  
 SEE ATTACHED ENLARGED OWTS PLAN SECTION

**OWTS / WETLANDS PLAN**

for **KIMBALL W. BURGESS**  
 on **OLD QUARRY ROAD**  
 in **GLOCESTER, RI**

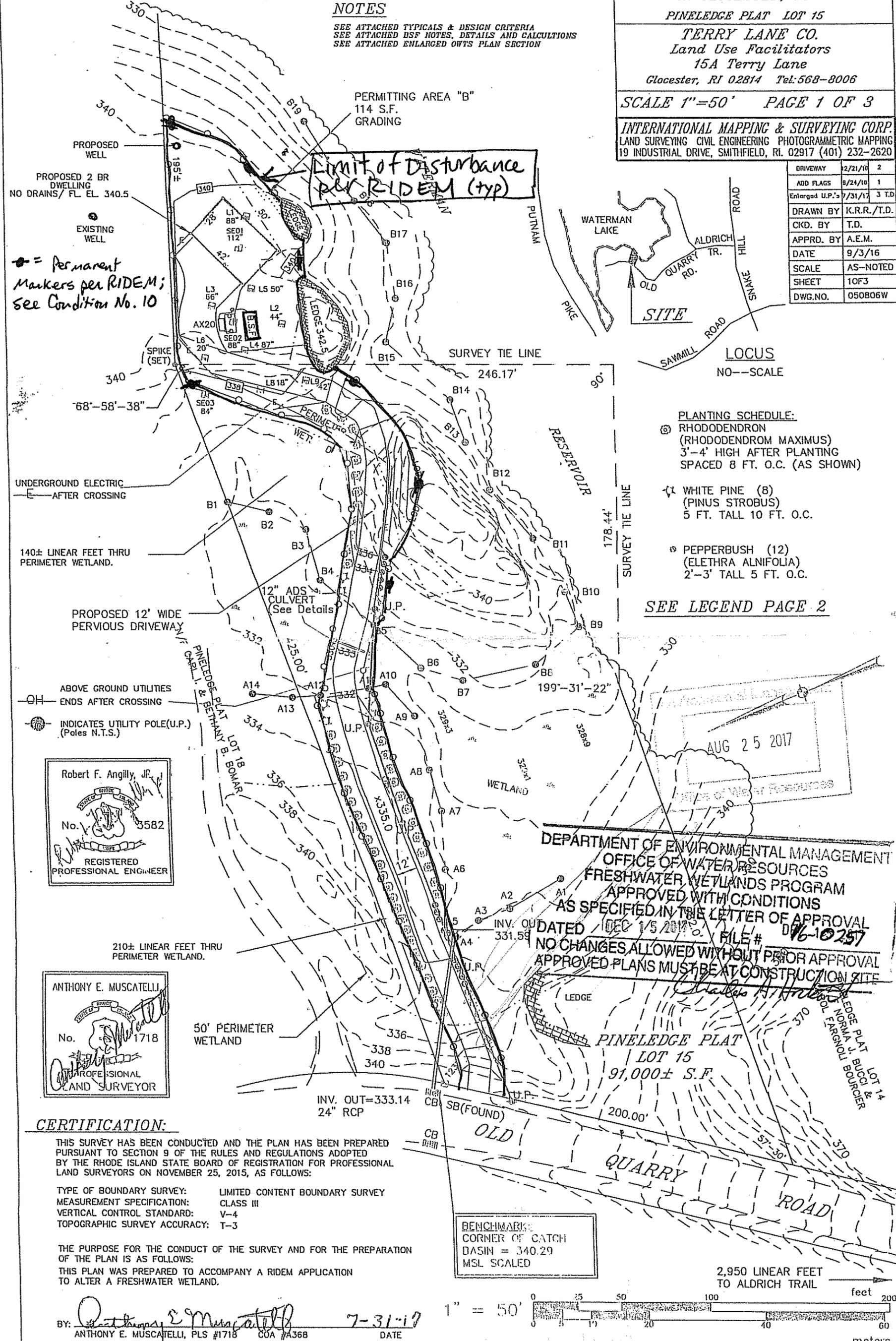
**PINELEDGE PLAT LOT 15**

**TERRY LANE CO.**  
 Land Use Facilitators  
 15A Terry Lane  
 Gloucester, RI 02814 Tel: 568-8006

SCALE 1"=50' PAGE 1 OF 3

**INTERNATIONAL MAPPING & SURVEYING CORP.**  
 LAND SURVEYING CIVIL ENGINEERING PHOTOGRAMMETRIC MAPPING  
 19 INDUSTRIAL DRIVE, SMITHFIELD, RI. 02917 (401) 232-2620

DRIVEWAY	2/21/16	2
ADD FLAGS	8/24/16	1
Enlarged U.P.'s	7/31/17	3 T.D.
DRAWN BY	K.R.R./T.D.	
KCD. BY	T.D.	
APPRD. BY	A.E.M.	
DATE	9/3/16	
SCALE	AS-NOTED	
SHEET	10F3	
DWG.NO.	050806W	



• = Permanent Markers per RIDEEM; see Condition No. 10

UNDERGROUND ELECTRIC AFTER CROSSING

140± LINEAR FEET THRU PERIMETER WETLAND.

PROPOSED 12' WIDE PERVIOUS DRIVEWAY

ABOVE GROUND UTILITIES ENDS AFTER CROSSING

INDICATES UTILITY POLE (U.P.) (Poles N.T.S.)

Robert F. Angilly, Jr.  
 No. 3582  
 REGISTERED PROFESSIONAL ENGINEER

ANTHONY E. MUSCATELLI  
 No. 1718  
 PROFESSIONAL LAND SURVEYOR

210± LINEAR FEET THRU PERIMETER WETLAND.

50' PERIMETER WETLAND

INV. OUT=333.14  
 24" RCP

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
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 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED DEC 15 2017 FILE # DW6-10257  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

PINELEDGE PLAT  
 LOT 15  
 91,000± S.F.

BENCHMARK  
 CORNER OF CATCH  
 BASIN = 340.29  
 MSL SCALED

2,950 LINEAR FEET TO ALDRICH TRAIL

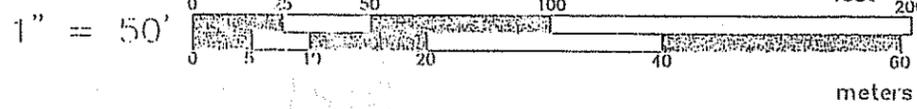
**CERTIFICATION:**

THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO SECTION 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 BOUNDARY SURVEY: LIMITED CONTENT BOUNDARY SURVEY  
 MEASUREMENT SPECIFICATION: CLASS III  
 VERTICAL CONTROL STANDARD: V-4  
 TOPOGRAPHIC SURVEY ACCURACY: T-3

THE PURPOSE FOR THE CONDUCT OF THE SURVEY AND FOR THE PREPARATION OF THE PLAN IS AS FOLLOWS:  
 THIS PLAN WAS PREPARED TO ACCOMPANY A RIDEEM APPLICATION TO ALTER A FRESHWATER WETLAND.

BY: *Anthony E. Muscatelli*  
 ANTHONY E. MUSCATELLI, PLS #1718 COA #A368  
 7-31-17 DATE

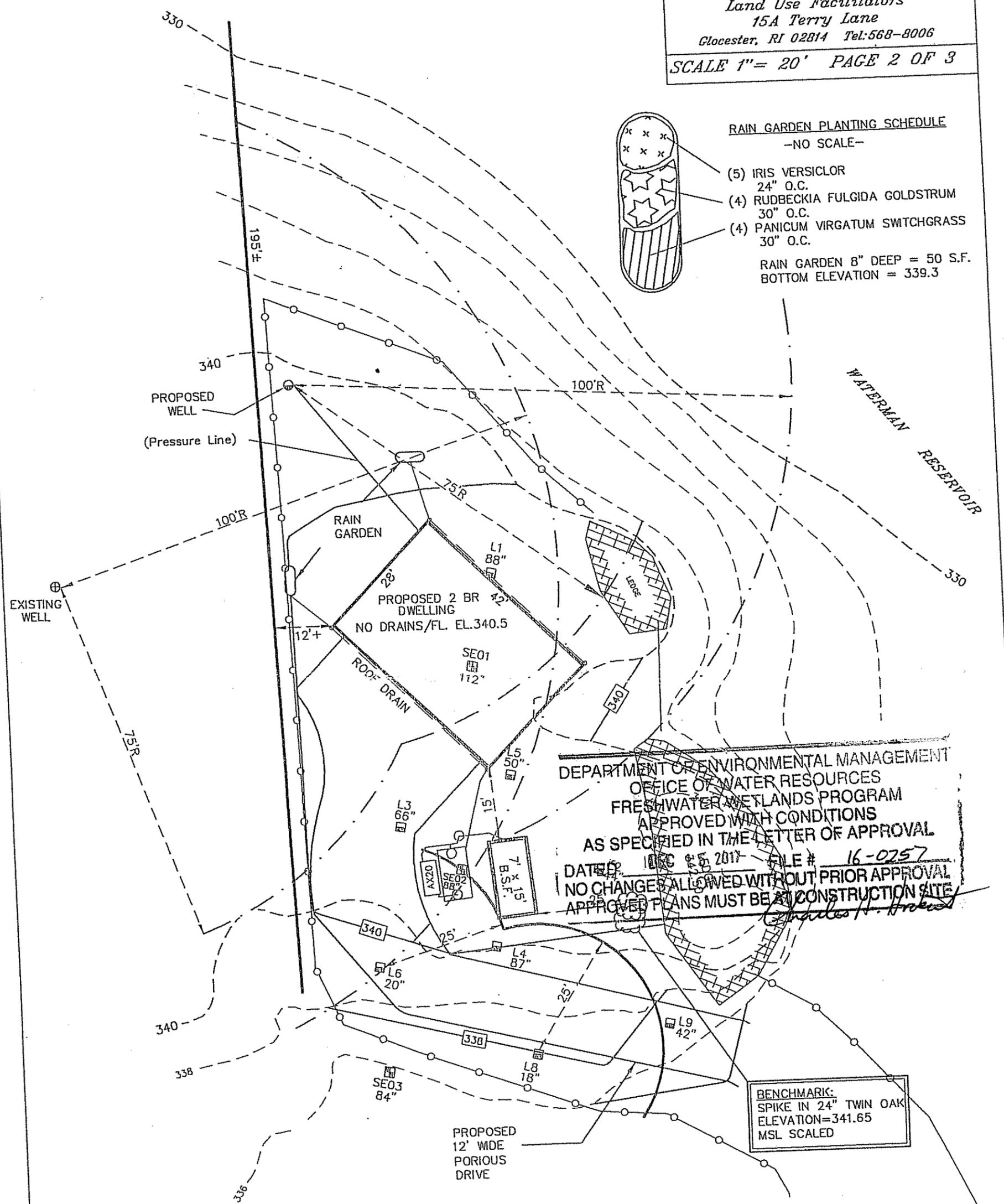
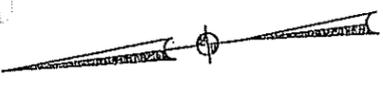


Plans for Notice

# OWTS PLAN

**OWTS / WETLANDS PLAN**  
 for **KIMBALL W. BURGESS**  
 on **OLD QUARRY ROAD**  
 in **GLOCESTER, RI**  
**PINELEDGE PLAT LOT 15**

**TERRY LANE CO.**  
 Land Use Facilitators  
 15A Terry Lane  
 Glocester, RI 02814 Tel: 568-8006  
**SCALE 1" = 20' PAGE 2 OF 3**



**RAIN GARDEN PLANTING SCHEDULE**  
 -NO SCALE-

- (5) IRIS VERSICOLOR 24" O.C.
- (4) RUDBECKIA FULGIDA GOLDSTRUM 30" O.C.
- (4) PANICUM VIRGATUM SWITCHGRASS 30" O.C.

RAIN GARDEN 8" DEEP = 50 S.F.  
 BOTTOM ELEVATION = 339.3

**DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**  
**OFFICE OF WATER RESOURCES**  
**FRESHWATER WETLANDS PROGRAM**  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED: **DEC 15 2011** FILE # **16-0257**  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

**BENCHMARK:**  
 SPIKE IN 24" TWIN OAK  
 ELEVATION=341.65  
 MSL SCALED

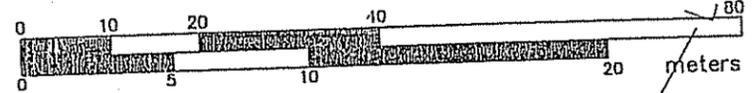
**LEGEND:**

- EXISTING WETLAND EDGE WITH FLAG
- EXISTING CATCH BASIN
- LEDGE OUTCROP
- L.O.D./Silt Fence or Equiv.
- SOIL EVALUATION
- LEDGE PROBE

**ANTHONY E. MUSCATELLI**  
 No. 1718  
 REGISTERED  
 LAND SURVEYOR

**Robert F. Angilly, JR.**  
 No. 3582  
 REGISTERED  
 PROFESSIONAL ENGINEER

1" = 20'



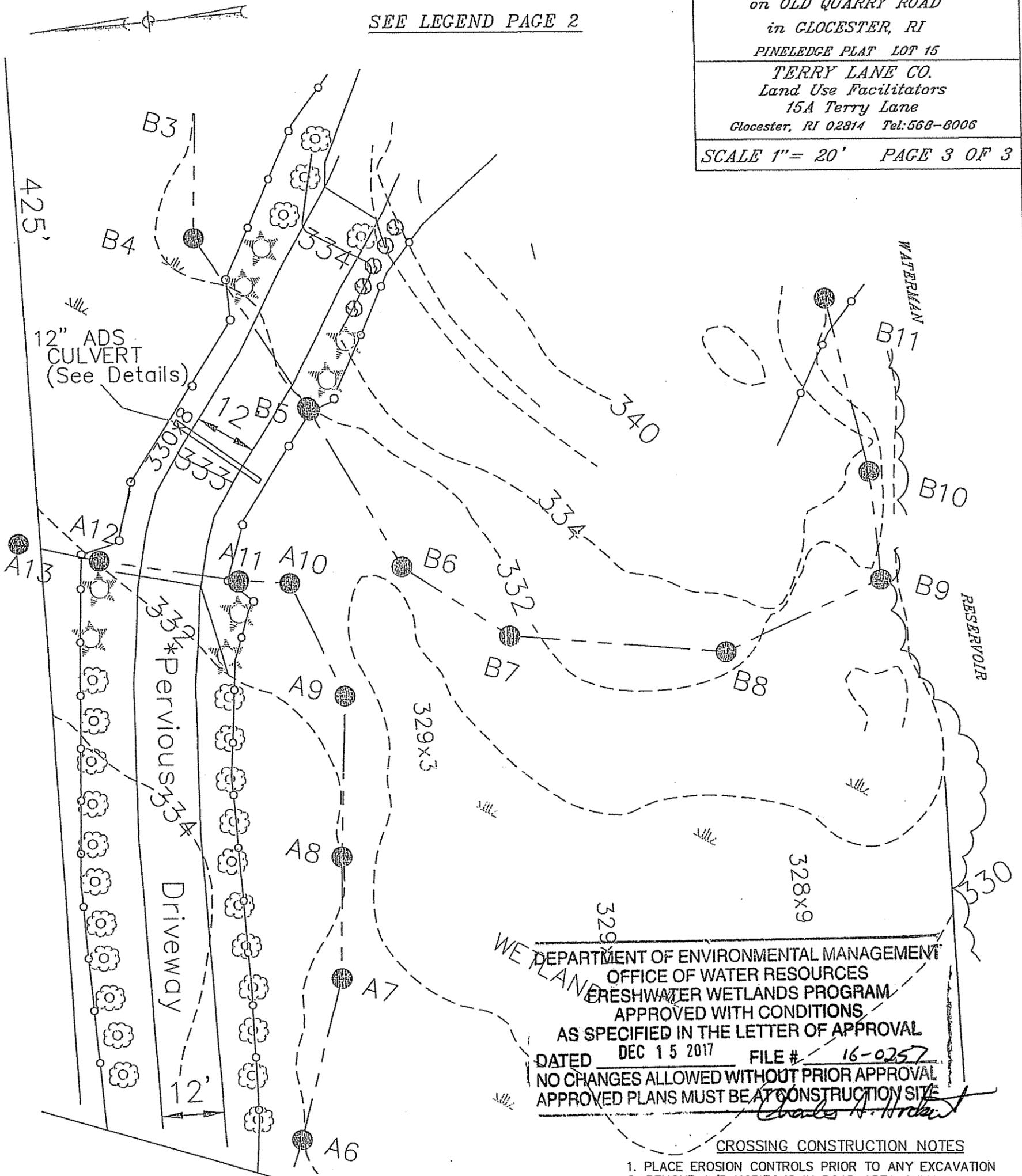
LOD

# CULVERT PLAN

SEE LEGEND PAGE 2

**OWTS / WETLANDS PLAN**  
 for **KIMBALL W. BURGESS**  
 on **OLD QUARRY ROAD**  
 in **GLOCESTER, RI**  
**PINEEDGE PLAT LOT 15**  
**TERRY LANE CO.**  
 Land Use Facilitators  
 15A Terry Lane  
 Glocester, RI 02814 Tel: 568-8006

SCALE 1" = 20' PAGE 3 OF 3

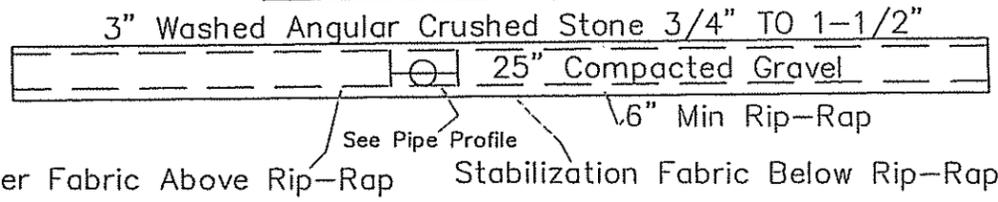


DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
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 DATED DEC 15 2017 FILE # 16-0257  
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*Charles A. Harkin*

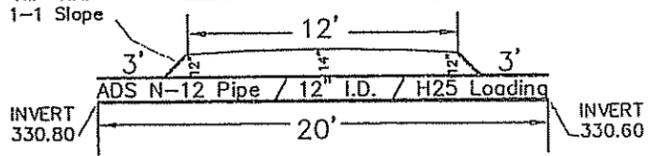
**CROSSING CONSTRUCTION NOTES**

1. PLACE EROSION CONTROLS PRIOR TO ANY EXCAVATION
2. REMOVE A/B HORIZONS IN ROAD AREA ONLY.
3. INSTALL STABILIZATION FABRIC AT BOTTOM EXCAVATION.
4. PLACE MIN 6" RIP-RAP ABOVE STABILIZATION FABRIC.
5. PLACE BEDDING MATERIAL (3/4") BELOW THE PIPE 30" WIDE
6. INSTALL 12" DBL WALL ADS N-12 PIPE AS SHOWN.
7. INSTALL FILTER FABRIC PRIOR TO GRAVEL PLACEMENT.
8. PLACE AND COMPACT GRAVEL IN 6" LIFTS.
9. PLACE 3" OF 3/4"-1-1/2" TO FINISH GRADE.
10. FINALLY CONTOUR AND PLACE 1-1 SLOPING RIP-RAP.
11. SEE \*PERVIOUS DRIVEWAY NOTES PAGE 1 OF 3

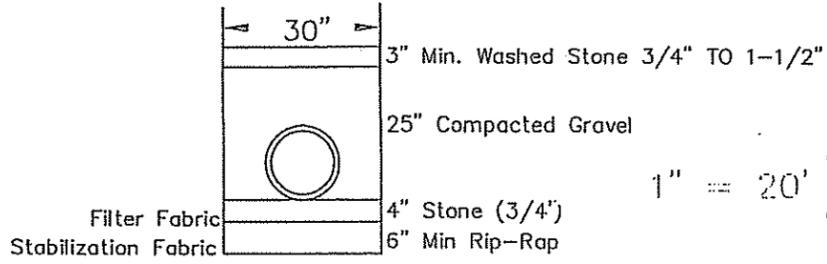
**Horizontal Crossing Profile**



**Vertical Crossing Profile**



**Pipe End Profile**



ANTHONY E. MUSCATELLI  
 No. 1718  
 PROFESSIONAL  
 LAND SURVEYOR

Robert F. Angilly, Jr.  
 No. 3582  
 REGISTERED  
 PROFESSIONAL ENGINEER

