

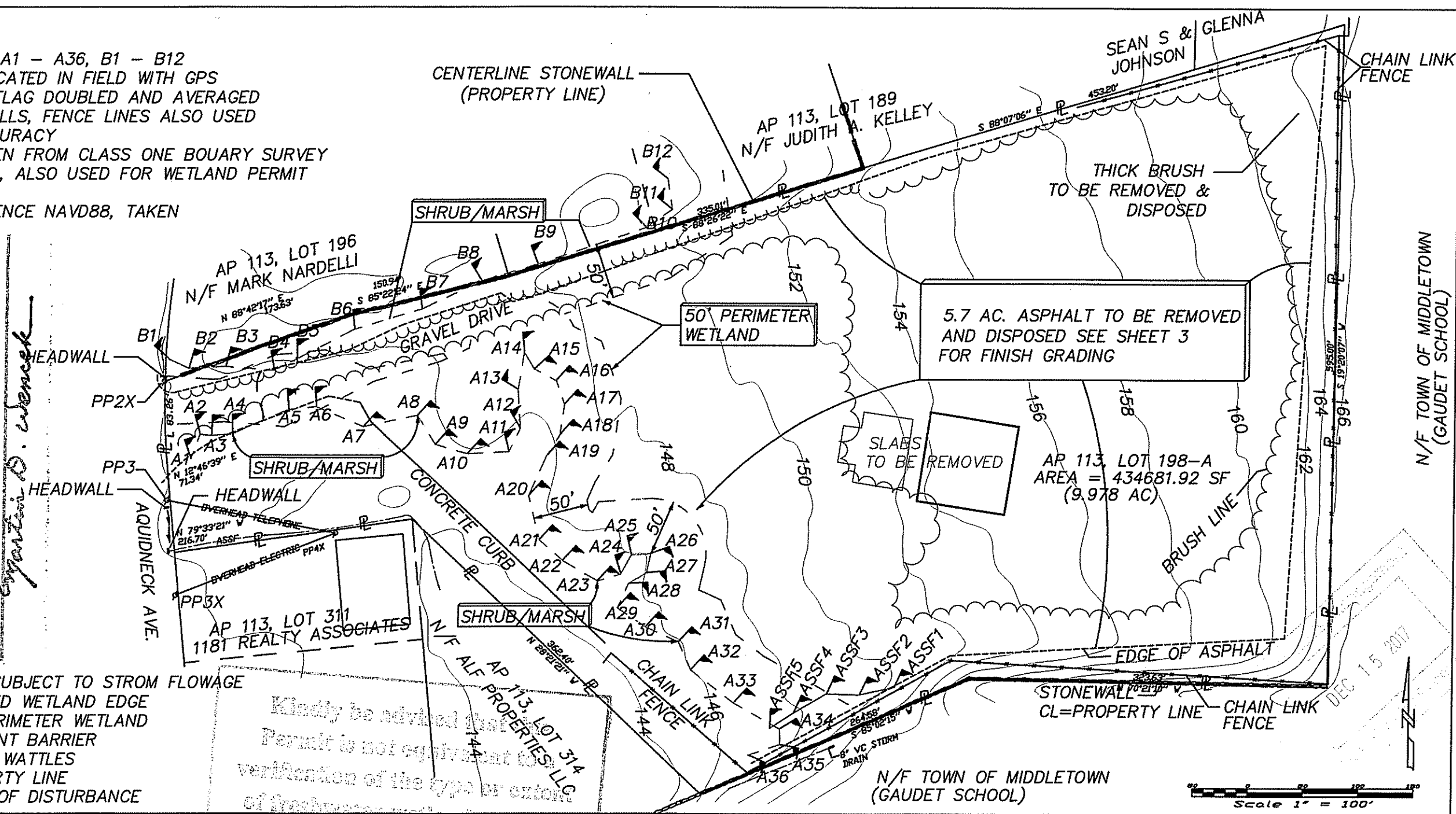
GENERAL NOTES:

- 1) WETLAND FLAGS A1 - A36, B1 - B12
ASSF1 - ASSF5 LOCATED IN FIELD WITH GPS
SUB METER, EACH FLAG DOUBLED AND AVERAGED
LOCATION, STONEWALLS, FENCE LINES ALSO USED
AS CHECK FOR ACCURACY
- 2) BASE PLAN TAKEN FROM CLASS ONE BOUARY SURVEY
PERFORMED IN 1999, ALSO USED FOR WETLAND PERMIT
99-0028
- 3) CONTOUR REFERENCE NAVD88, TAKEN
FROM GIS

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF WATER RESOURCES
 FRESHWATER WETLANDS PROGRAM
 APPROVED WITH CONDITIONS
 AS SPECIFIED IN THE LETTER OF APPROVAL
 FILE # 17-0033
 JAN 25 2018
 CHANGES ALLOWED WITHOUT PRIOR APPROVAL
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE
 LEGEND:

- AC ACRES
- ASSF AREA SUBJECT TO STORM FLOWAGE
- FLAGGED WETLAND EDGE
- - - 50' PERIMETER WETLAND
- ==== SEDIMENT BARRIER
- == == == STRAW WATTLES
- PL PROPERTY LINE
- LOD LIMITS OF DISTURBANCE

Kindly be advised that
 Permit is not equivalent to
 verification of the type or extent
 of freshwater wetland on site.



PLAN TO ACCOMPANY FRESH WATER WETLAND APPLICATION
 TOWN OF MIDDLETOWN
 1199 AQUIDNECK AVE., MIDDLETOWN, RI 02842
 AP 113, LOT 198A
 SHEET 1 OF 6 1"=100' BY: WARREN HALL, CIVIL ENGINEER
 DECEMBER 8, 2017

- PLAN REFERENCES:**
- 1) RHODE ISLAND DEPARTMENT OF TRANSPORTATION PLAT 164
 - 2) "LAND OF JOHN P. AND SARAH KELLEY CONVEYED TO HARRY AND ZAVEN MINASSIAN MIDDLETOWN RI" PLAN BOOK 7, PAGE 53 MIDDLETOWN LAND EVIDENCE RECORDS
 - 3) "PLAN OF LAND OF HARRY AND ZAVEN MINASSIAN MIDDLETOWN RI RALPH T. DUFFY MARCH 23, 1962" PLAN BOOK 7, PAGE 53 MIDDLETOWN LAND EVIDENCE RECORDS

WARREN HALL

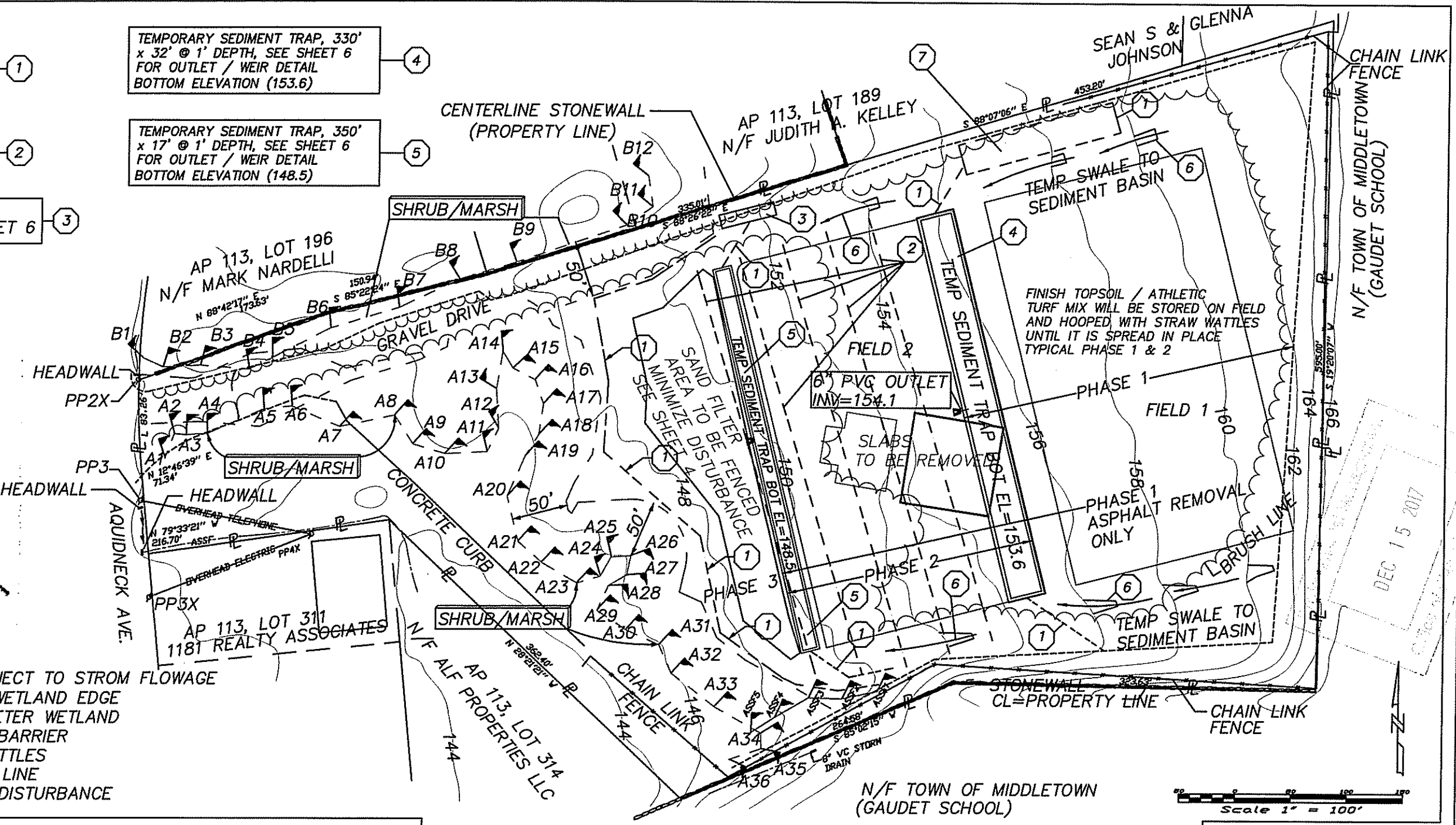
REGISTERED
 PROFESSIONAL ENGINEER

- ① LOD STRAW WATTLE SHEET 6
- ② STRAW WATTLE SHEET 6 40'± ON CENTER 5 ROWS
- ③ CONSTRUCTION ENTRANCE SEE SHEET 6

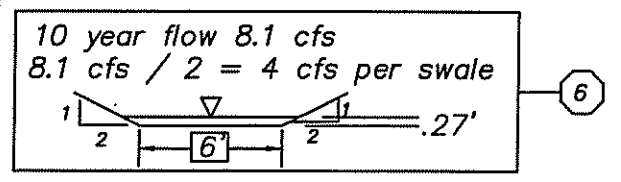
- ④ TEMPORARY SEDIMENT TRAP, 330' x 32' @ 1' DEPTH, SEE SHEET 6 FOR OUTLET / WEIR DETAIL BOTTOM ELEVATION (153.6)
- ⑤ TEMPORARY SEDIMENT TRAP, 350' x 17' @ 1' DEPTH, SEE SHEET 6 FOR OUTLET / WEIR DETAIL BOTTOM ELEVATION (148.5)

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 Warren D. Weneck

- LEGEND**
- AC ACRES
 - ASSF AREA SUBJECT TO STORM FLOWAGE
 - FLAGGED WETLAND EDGE
 - - - 50' PERIMETER WETLAND
 - === SEDIMENT BARRIER
 - ||| STRAW WATTLES
 - R PROPERTY LINE
 - LOD LIMITS OF DISTURBANCE

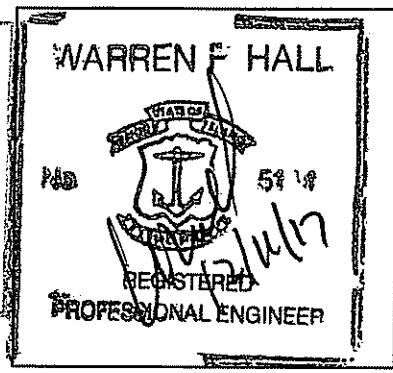


PLAN TO ACCOMPANY FRESH WATER WETLAND APPLICATION
 SOIL EROSION CONTROL PLAN
 TOWN OF MIDDLETOWN
 1199 AQUIDNECK AVE., MIDDLETOWN, RI 02842
 AP 113, LOT 198A
 SHEET 2 OF 6 1"=100' BY: WARREN HALL, CIVIL ENGINEER
 DECEMBER 8, 2017



AREA TO BE USED FOR
 RE FUELING OF CONSTRUCTION
 EQUIPMENT, PROVIDE A STRAW WATTLE GATE

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DEC 15 2017

Scale 1" = 100'

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FERTILIZER SCHEDULE:
 FERTILIZATION WILL TAKE PLACE ON ON PLAYING SURFACES; NONE TO BE APPLIED TO BANKS, SWALES OR DRAINAGE AREAS
 ROTARY SPREADER OR TRACTOR WITH 3 POINT HITCH
 TYPE OF FERTILIZER: GRANULAR
FIRST APPLICATION:
 18-24-18 45% SLOW RELEASE NITROGEN
 (4 WEEK WINDOW AFTER APPLICATION)
SECOND APPLICATION:
 21-3-21 67% SLOW RELEASE NITROGEN
 (5-6 WEEK WINDOW AFTER APPLICATION)
 APPLICATION RATE--1 POUND OF NITROGEN PER 1000 SQUARE FEET
 LIME WITH SEEDING
 RECOMMEND: 1 TON OF PELLETIZED LIME PER ACRE ON PLAYING TURF

LOD
 STRAW WATTLE
 SHEET 6

AS SPECIFIED IN THE LETTER OF APPROVAL
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 ALL PLANS MUST BE AT CONSTRUCTION SITE

Warren F. Hall
 CIVIL ENGINEER

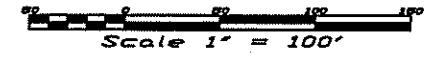
- LEGEND**
- ⊙ DARK SKY COMPLIANT LIGHT
 - AC ACRES
 - ASSF AREA SUBJECT TO STORM FLOWAGE
 - FLAGGED WETLAND EDGE
 - 50' PERIMETER WETLAND
 - SEDIMENT BARRIER
 - STRAW WATTLES
 - PROPERTY LINE
 - LOD LIMITS OF DISTURBANCE

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PLAN TO ACCOMPANY FRESH WATER WETLAND APPLICATION
 FINISH GRADING PLAN
 TOWN OF MIDDLETOWN
 1199 AQUIDNECK AVE., MIDDLETOWN, RI 02842
 AP 113, LOT 198A
 SHEET 3 OF 6 1"=100' BY: WARREN HALL, CIVIL ENGINEER
 DECEMBER 8, 2017

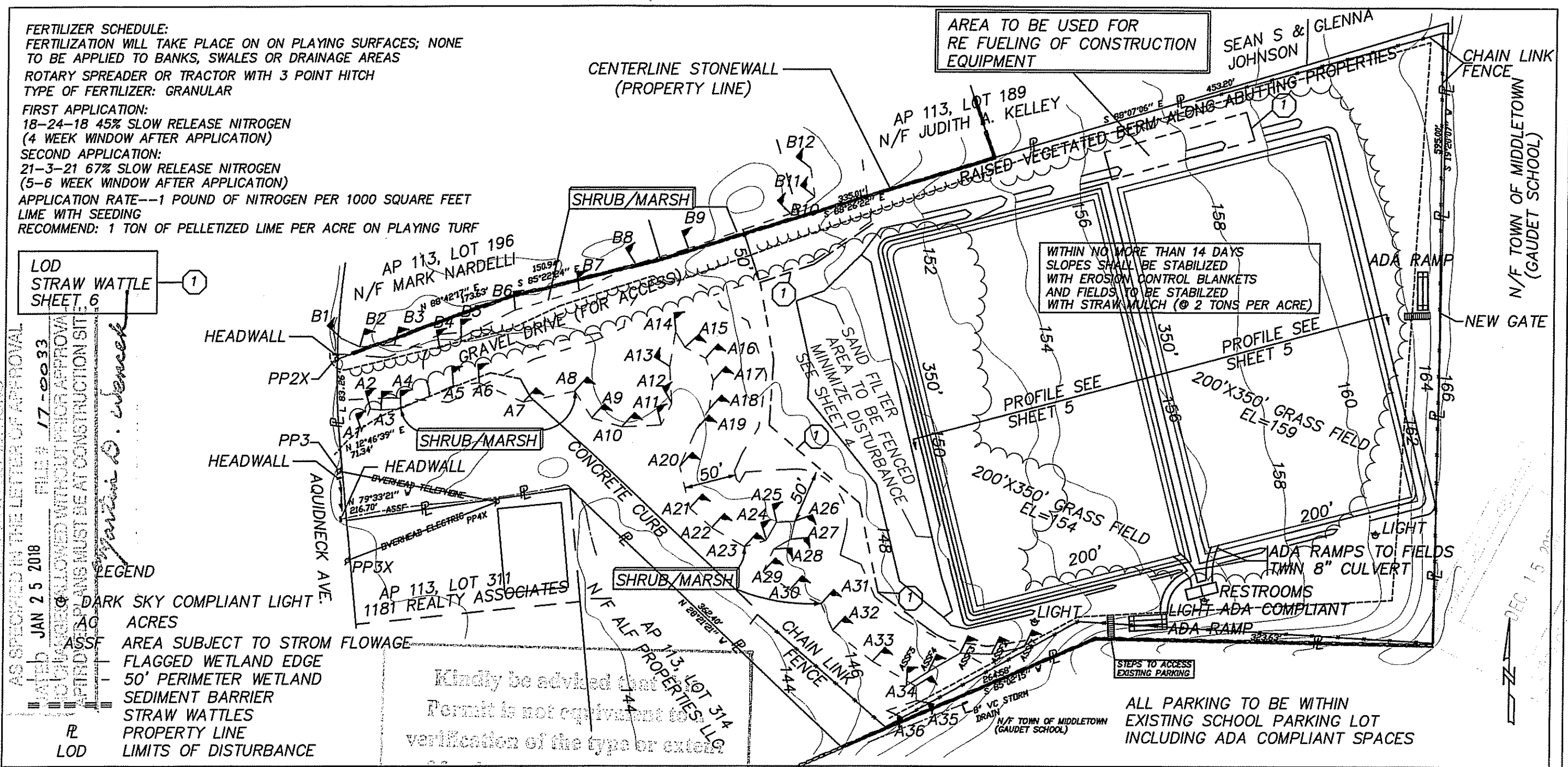
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WARREN F. HALL

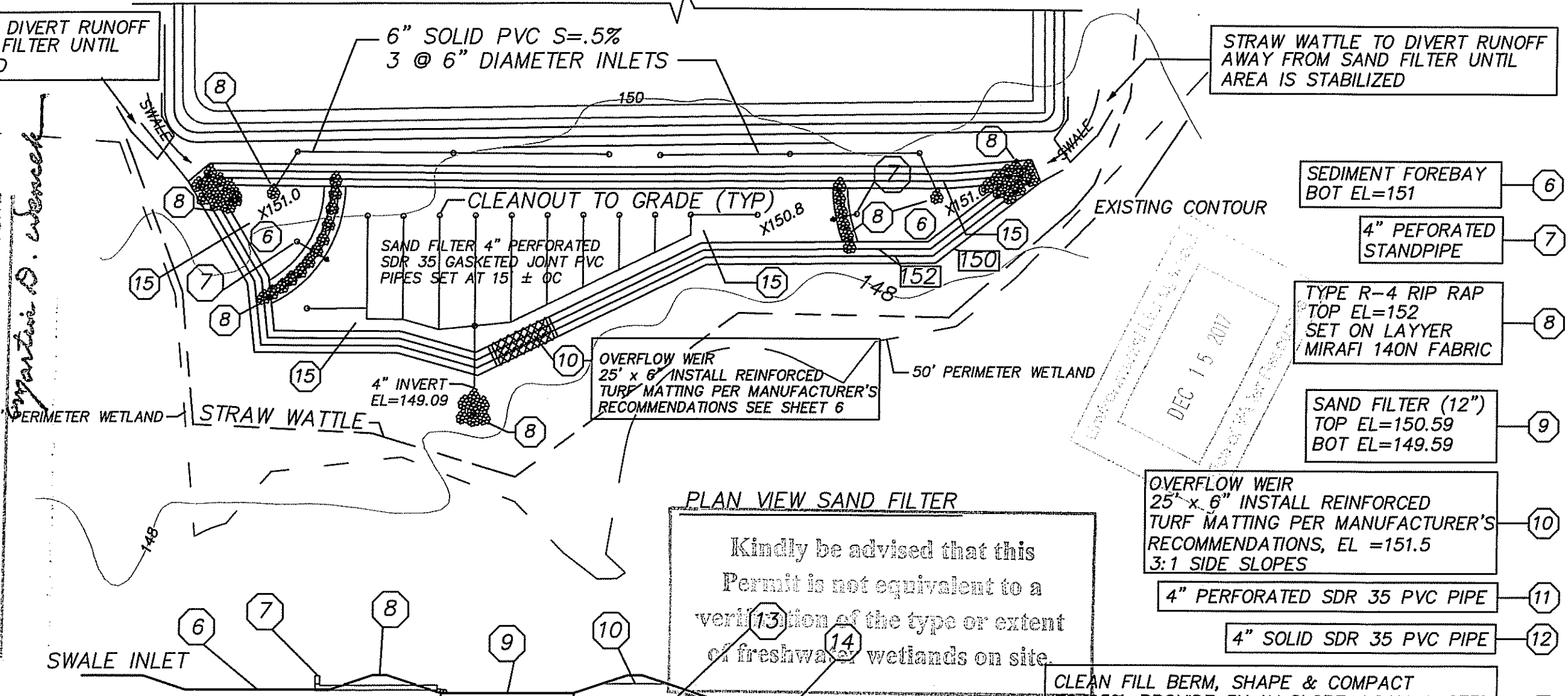
REGISTERED PROFESSIONAL ENGINEER



STRAW WATTLE TO DIVERT RUNOFF AWAY FROM SAND FILTER UNTIL AREA IS STABILIZED

STRAW WATTLE TO DIVERT RUNOFF AWAY FROM SAND FILTER UNTIL AREA IS STABILIZED

6" SOLID PVC S=.5%
3 @ 6" DIAMETER INLETS



SEDIMENT FOREBAY
BOT EL=151

4" PEFORATED STANDPIPE

TYPE R-4 RIP RAP
TOP EL=152
SET ON LAYER
MIRAFI 140N FABRIC

SAND FILTER (12")
TOP EL=150.59
BOT EL=149.59

OVERFLOW WEIR
25' x 6" INSTALL REINFORCED
TURF MATTING PER MANUFACTURER'S
RECOMMENDATIONS, EL =151.5
3:1 SIDE SLOPES

4" PERFORATED SDR 35 PVC PIPE

4" SOLID SDR 35 PVC PIPE

CLEAN FILL BERM, SHAPE & COMPACT
TO 95%, PROVIDE 3H:1V SLOPE, LOAM & SEED
PROVIDE EROSION CONTROL MATS WITHIN
14 DAYS OF SEED

TYPE R-4 RIPRAP
OUTLET PROTECTION
SET ON MIRAFI 140N FABRIC

PLAN VIEW SAND FILTER
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CLEANOUT TO GRADE (TYP)
SAND FILTER 4" PERFORATED
SDR 35 GASKETED JOINT PVC
PIPES SET AT 15' ± OC

OVERFLOW WEIR
25' x 6" INSTALL REINFORCED
TURF MATTING PER MANUFACTURER'S
RECOMMENDATIONS SEE SHEET 6

4" INVERT
EL=149.09

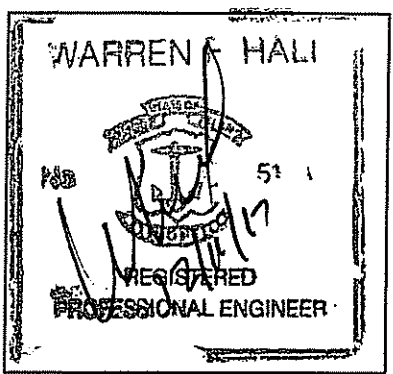
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Martin D. Weneck

LEGEND
x151.0 SPOT FINISH GRADE
[152] PROPOSED CONTOUR

PROFILE THRU SAND FILTER

SEE SHEET 6 FOR DETAIL SECTION

PLAN TO ACCOMPANY FRESH WATER WETLAND APPLICATION
SAND FILTER PLAN & PROFILE
TOWN OF MIDDLETOWN
1199 AQUIDNECK AVE., MIDDLETOWN, RI 02842
AP 113, LOT 198A
SHEET 4 OF 6 1"=50' BY: WARREN HALL, CIVIL ENGINEER
DECEMBER 8, 2017



SEED FOREBAYS & SAND FILTER
WITH NEW ENGLAND EROSION CONTROL /
RESTORATION MIX FOR DETENTION BASINS &
MOIST SITES, SEED SLOPES OF SAND FILTER WITH
NEW ENGLAND CONSERVATION / WILDLIFE MIX

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TEMPORARY SEDIMENT TRAP, 330' x 32' @ 1' DEPTH, SEE SHEET 6 FOR OUTLET / WEIR DETAIL
BOTTOM ELEVATION (153.6)

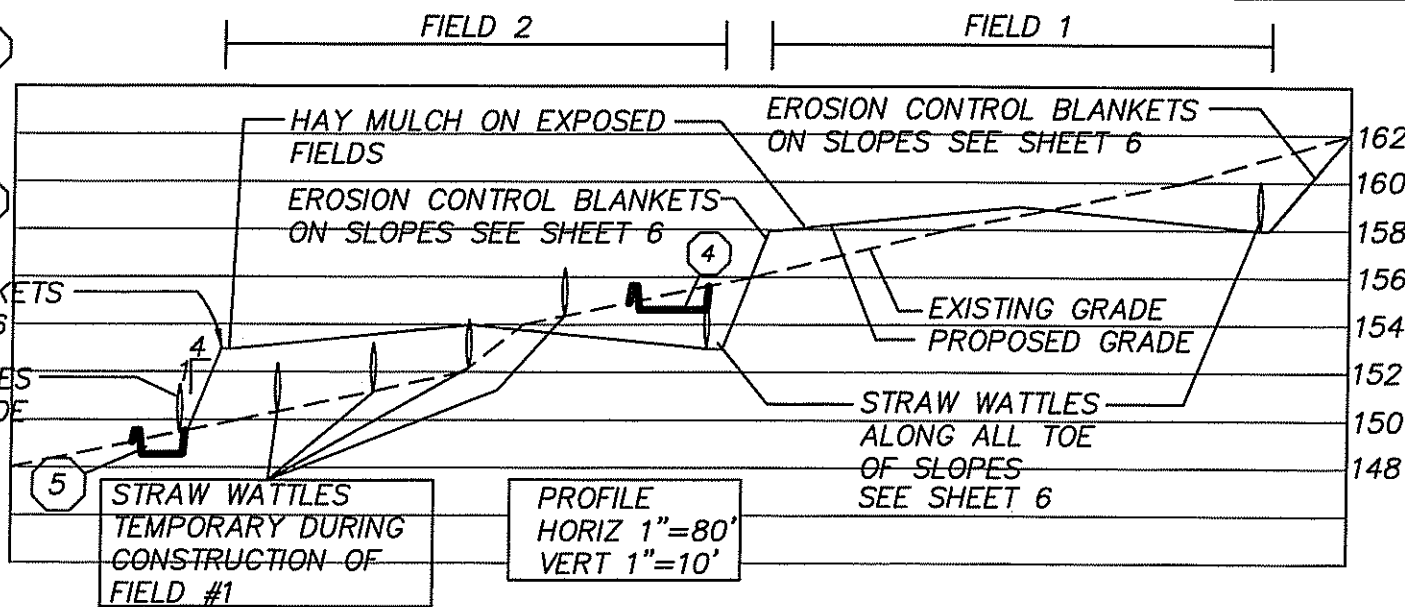
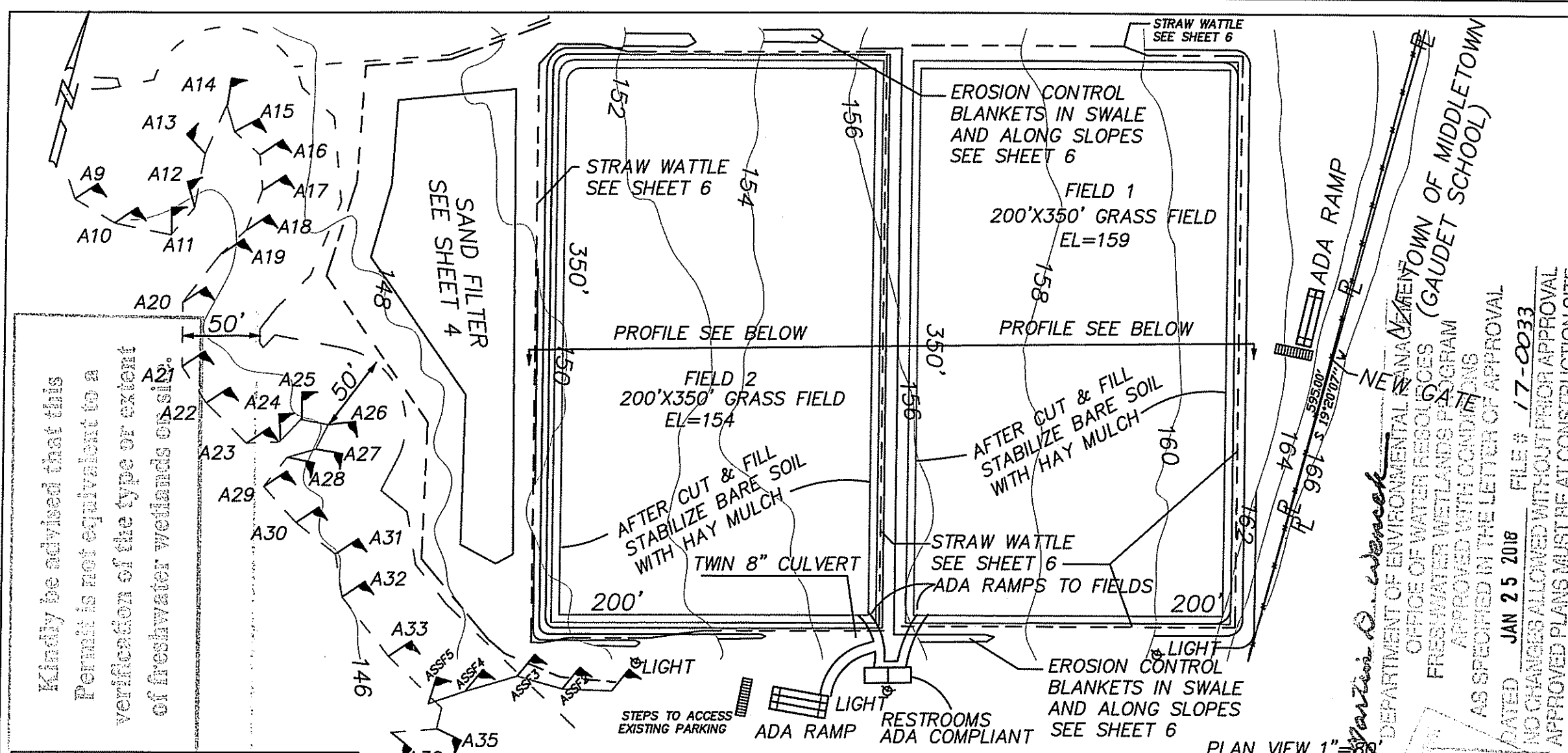
TEMPORARY SEDIMENT TRAP, 350' x 17' @ 1' DEPTH, SEE SHEET 6 FOR OUTLET / WEIR DETAIL
BOTTOM ELEVATION (148.5)

EROSION CONTROL BLANKETS ON SLOPES SEE SHEET 6

STRAW WATTLES ALONG ALL TOE OF SLOPES SEE SHEET 6

STRAW WATTLES TEMPORARY DURING CONSTRUCTION OF FIELD #1

PROFILE
HORIZ 1"=80'
VERT 1"=10'



Walter O. Wenczek
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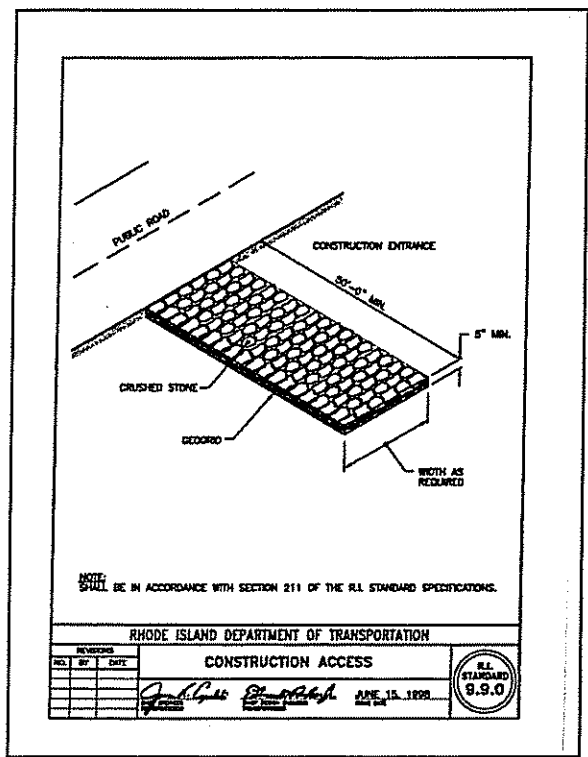
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PLAN TO ACCOMPANY FRESH WATER WETLAND APPLICATION
 PLAN & PROFILE
 TOWN OF MIDDLETOWN
 1199 AQUIDNECK AVE., MIDDLETOWN, RI 02842
 AP 113, LOT 198A
 SHEET 5 OF 6
 DECEMBER 8, 2017

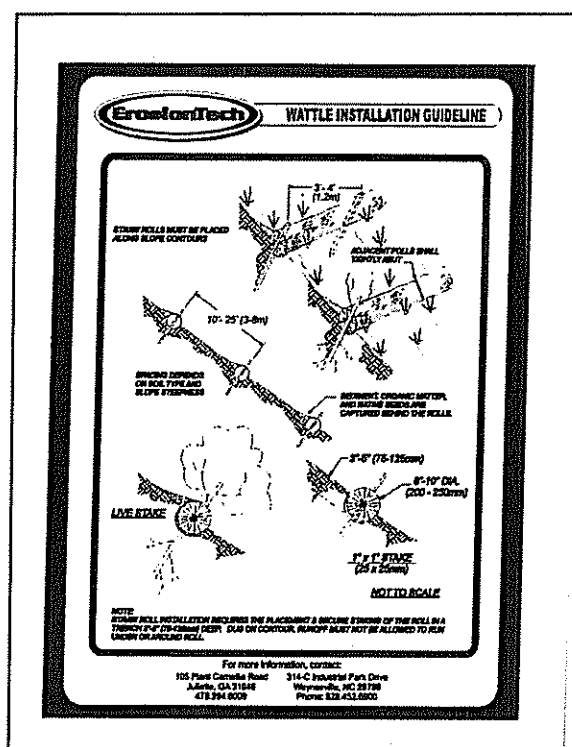
WARREN H. HALL

 REGISTERED PROFESSIONAL ENGINEER

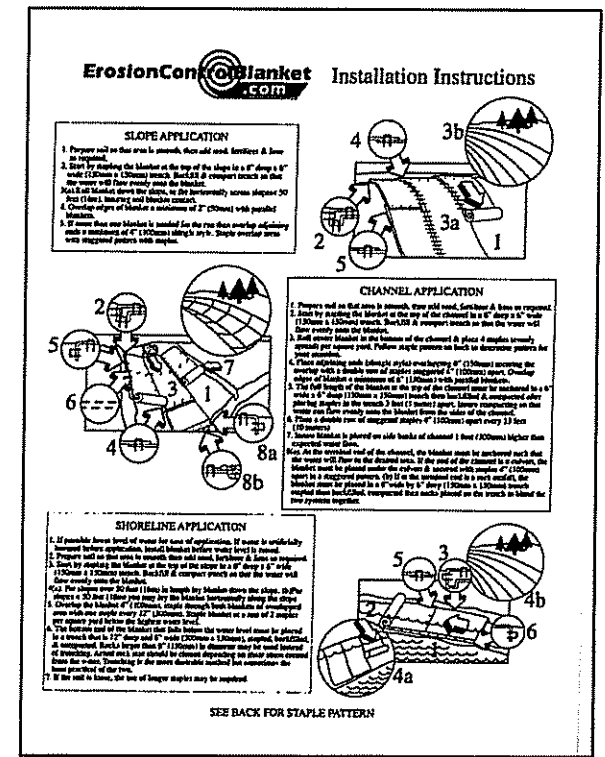
BY: WARREN HALL, CIVIL ENGINEER



CONSTRUCTION ENTRANCE



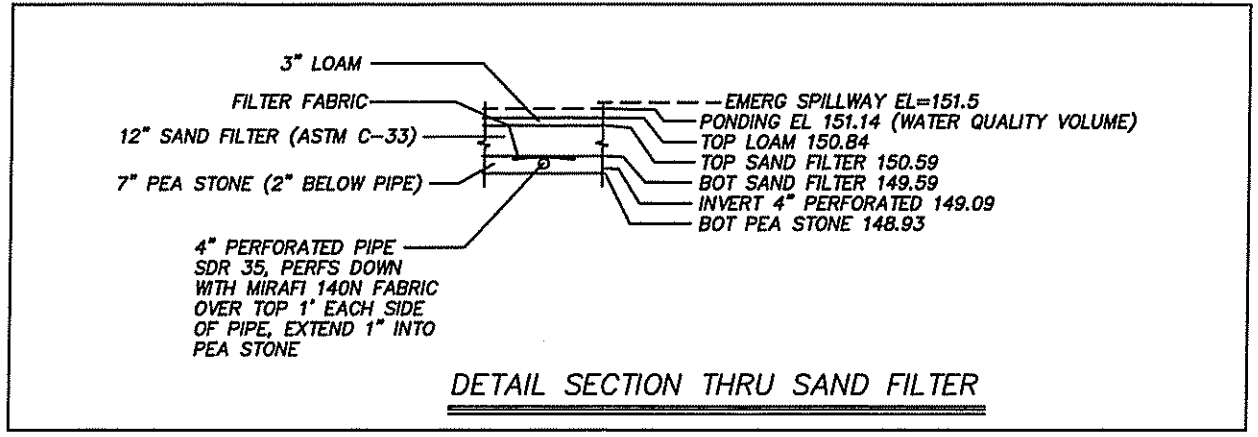
WATTLE DETAIL



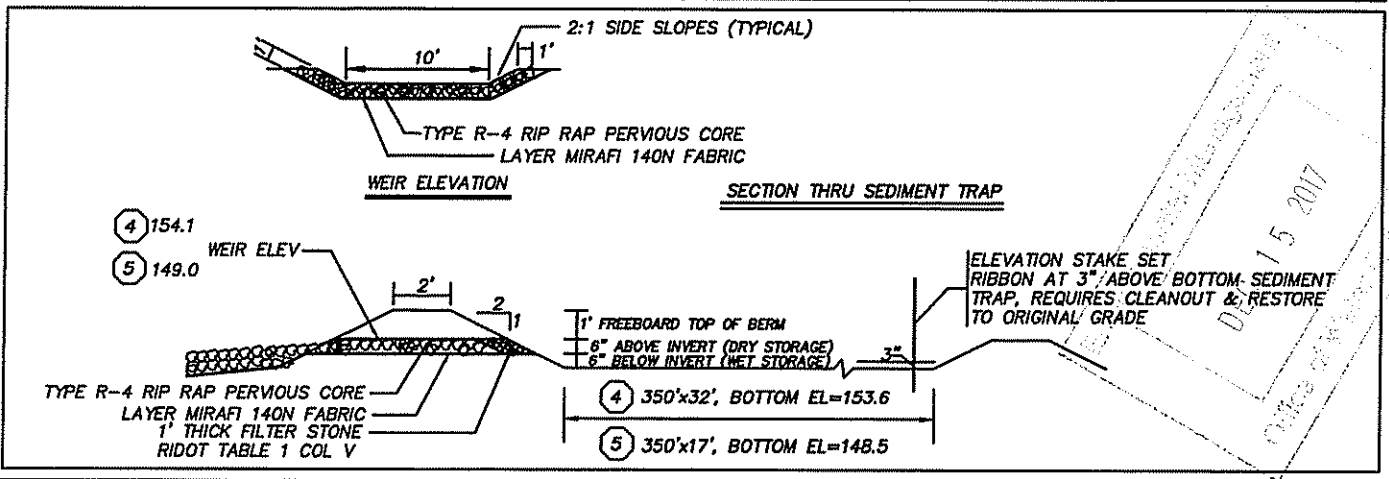
EROSION CONTROL BLANKET

Property	Value	Property	Value
Weight	10.0 oz/yd ²	Modulus	1.5 x 10 ⁶ psi
Length	42 in	Strength	150 lb/yd
Width	42 in	Stitch	1/2 in
Area	1764 sq ft	Stitch Density	1000 stitches/sq yd
Volume	1.125 cu yd	Stitch Spacing	12 in

TURF REINFORCEMENT MAT

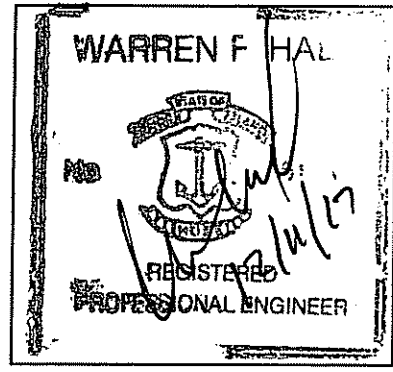


DETAIL SECTION THRU SAND FILTER



PLAN TO ACCOMPANY FRESH WATER WETLAND APPLICATION
 DETAIL SHEET
 TOWN OF MIDDLETOWN
 1199 AQUIDNECK AVE., MIDDLETOWN, RI 02842
 AP 113, LOT 198A
 SHEET 6 OF 6 BY: WARREN HALL, CIVIL ENGINEER
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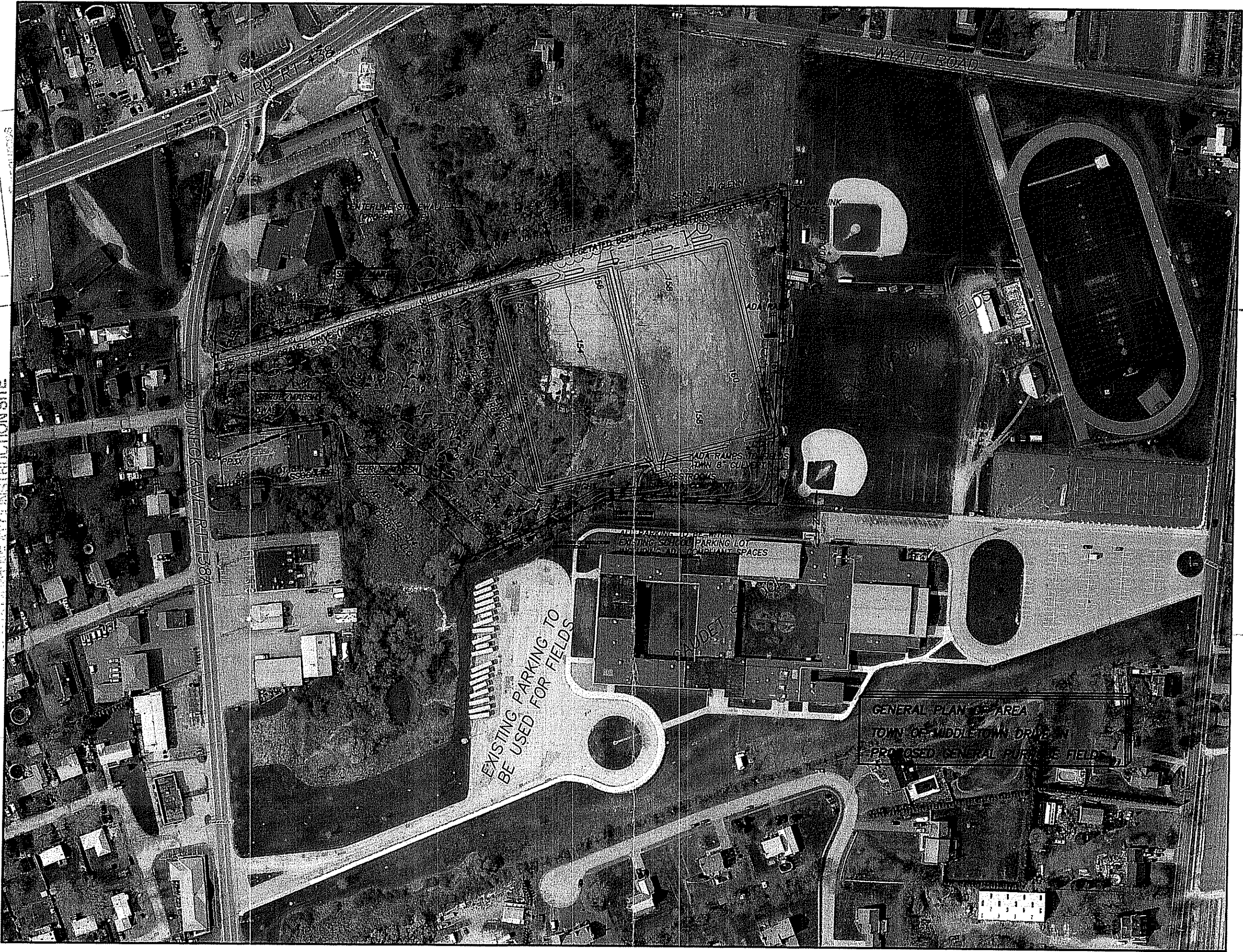
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Warren F. Hall



Quentin B. Wheeler

JAN 25 2018 FILE # 17-0033
APPROVED FOR THE LETTER OF APPROVAL
GENERAL PURPOSE FIELDS

DEC 15 2017



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