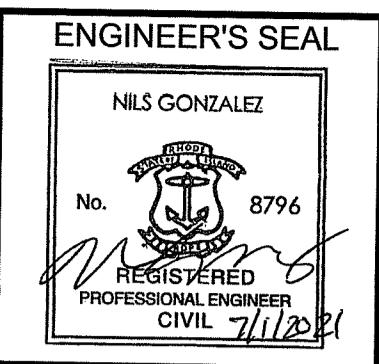
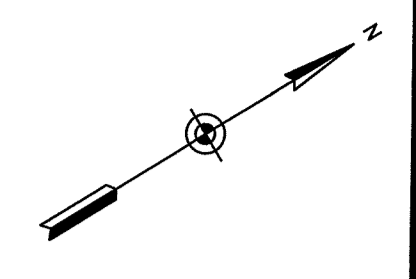
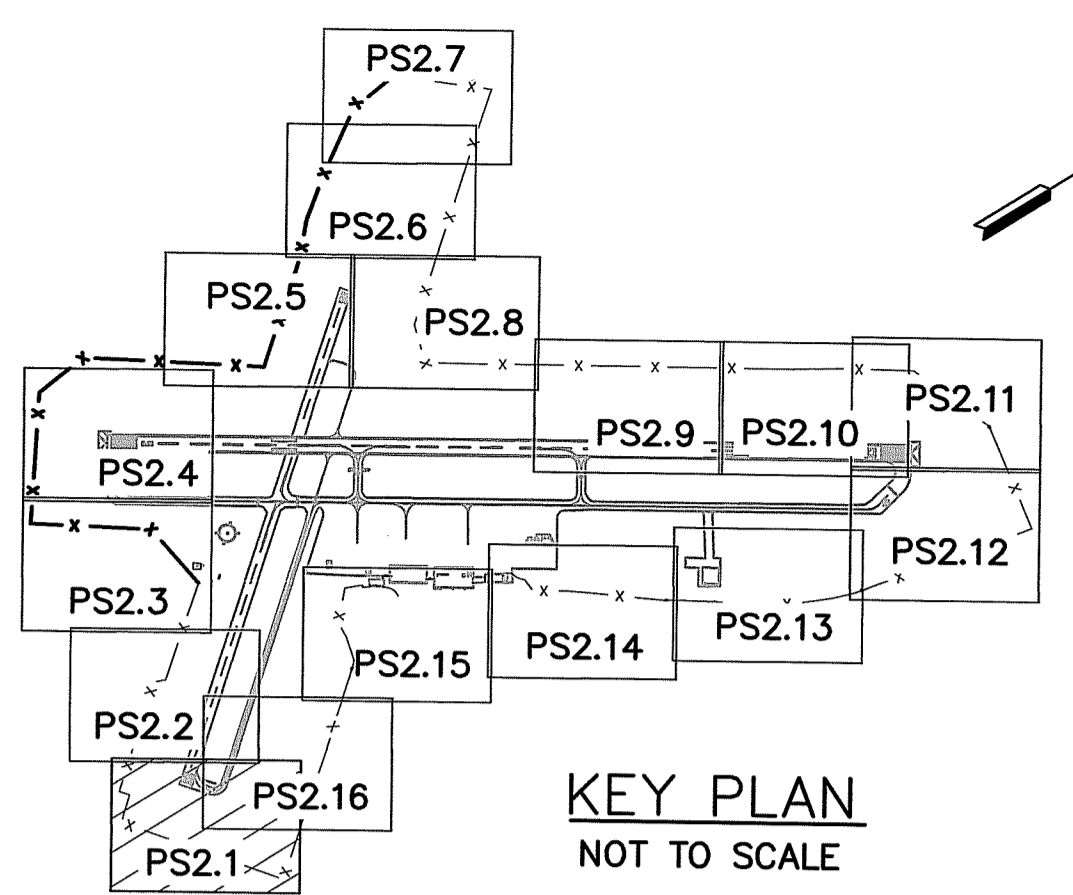
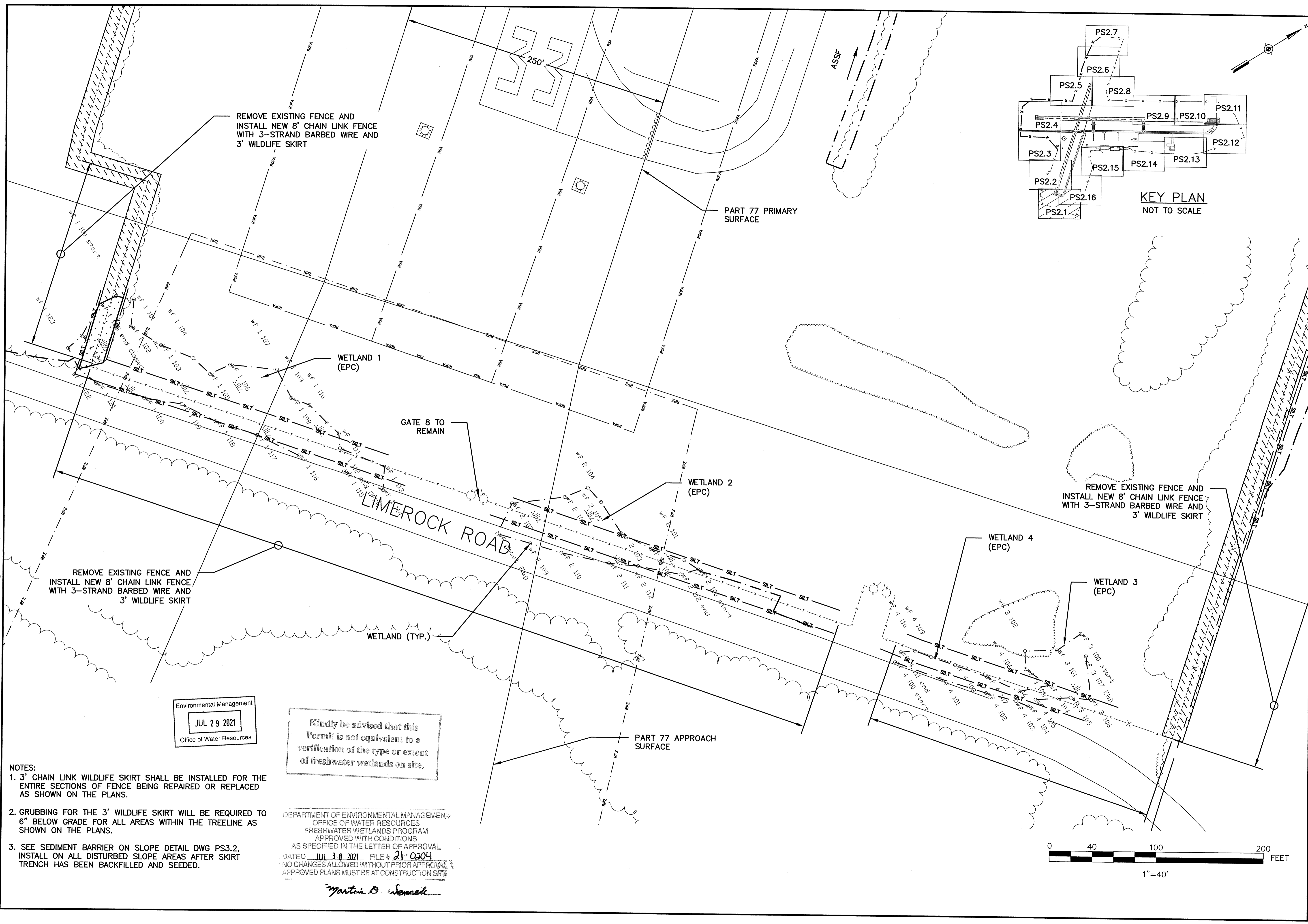




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Rhode Island Airport Corporation  
 NORTH CENTRAL STATE AIRPORT  
 300 JENCKES HILL RD  
 SMITHFIELD, RI 02917  
 48-044B, 48-044, AND 48-047  
 LINCOLN: 28-006

PROJECT DESIGNER  
**Hoyle, Tanner & Associates, Inc.**  
 850 Dow Street  
 Mansfield, RI 02875  
 Tel: 401-669-8888  
 Fax: 401-669-8888  
 Web Page: www.hoyletanner.com

NORTH CENTRAL STATE AIRPORT  
 WILDLIFE FENCE INSTALLATION AND REPAIR  
**WETLAND IMPACTS**  
**SHEET 1 OF 16**

REV. NO.	DATE	DESCRIPTION

PROJ. No.: 301012  
 FILE: SFZ-PS201  
 AIP No.: 3-44-0004-XXX-2021  
 DRAWING NO.  
**PS2.1**  
 SHEET 2 OF 20

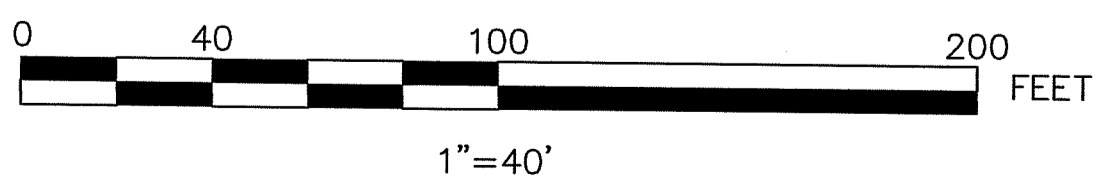
Environmental Management  
**JUL 29 2021**  
 Office of Water Resources

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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED **JUL 30 2021** FILE # **21-0204**  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Martin D. Sencak*

- NOTES:
- 3' CHAIN LINK WILDLIFE SKIRT SHALL BE INSTALLED FOR THE ENTIRE SECTIONS OF FENCE BEING REPAIRED OR REPLACED AS SHOWN ON THE PLANS.
  - GRUBBING FOR THE 3' WILDLIFE SKIRT WILL BE REQUIRED TO 6" BELOW GRADE FOR ALL AREAS WITHIN THE TREELINE AS SHOWN ON THE PLANS.
  - SEE SEDIMENT BARRIER ON SLOPE DETAIL DWG PS3.2, INSTALL ON ALL DISTURBED SLOPE AREAS AFTER SKIRT TRENCH HAS BEEN BACKFILLED AND SEEDED.



SCALE: 1" = 40'  
 DATE: JULY 2021

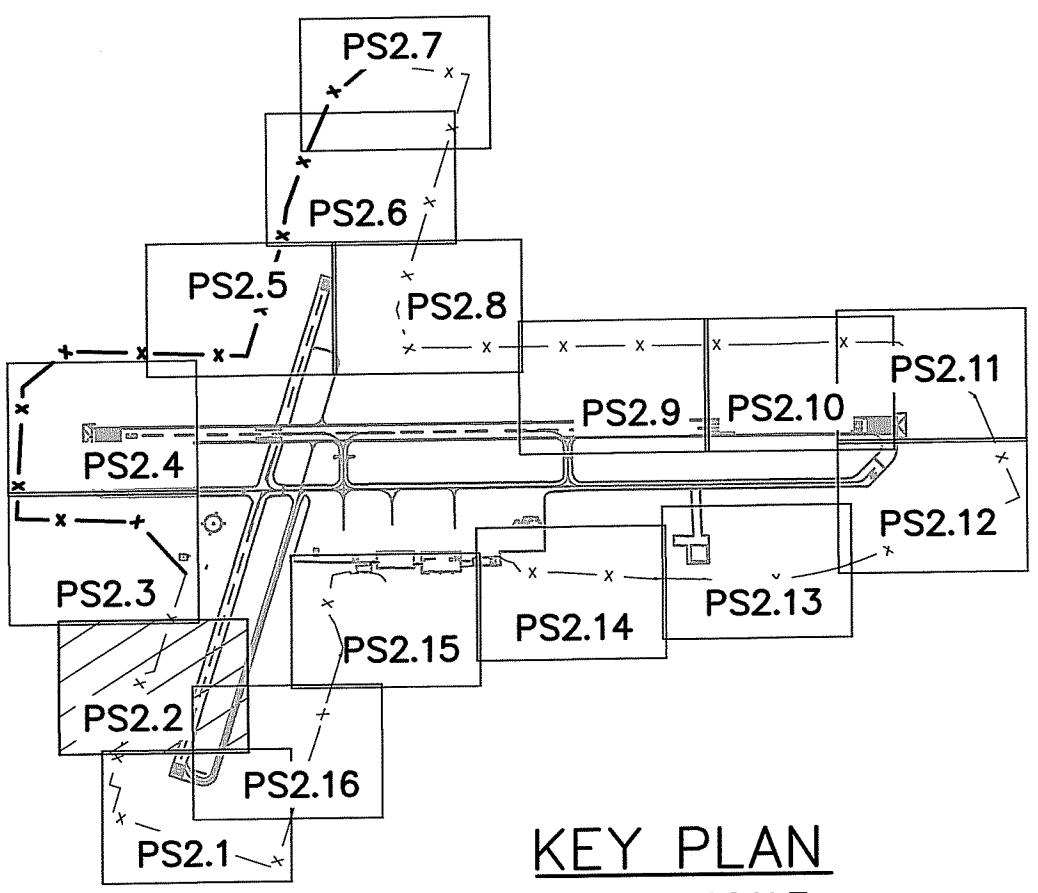
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 DRAWN BY: CIM

DESIGNED BY: CIM

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Environmental Management  
**JUL 29 2021**  
 Office of Water Resources

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



**KEY PLAN**  
NOT TO SCALE

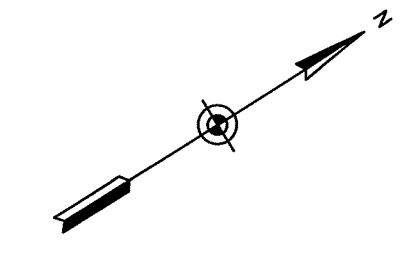
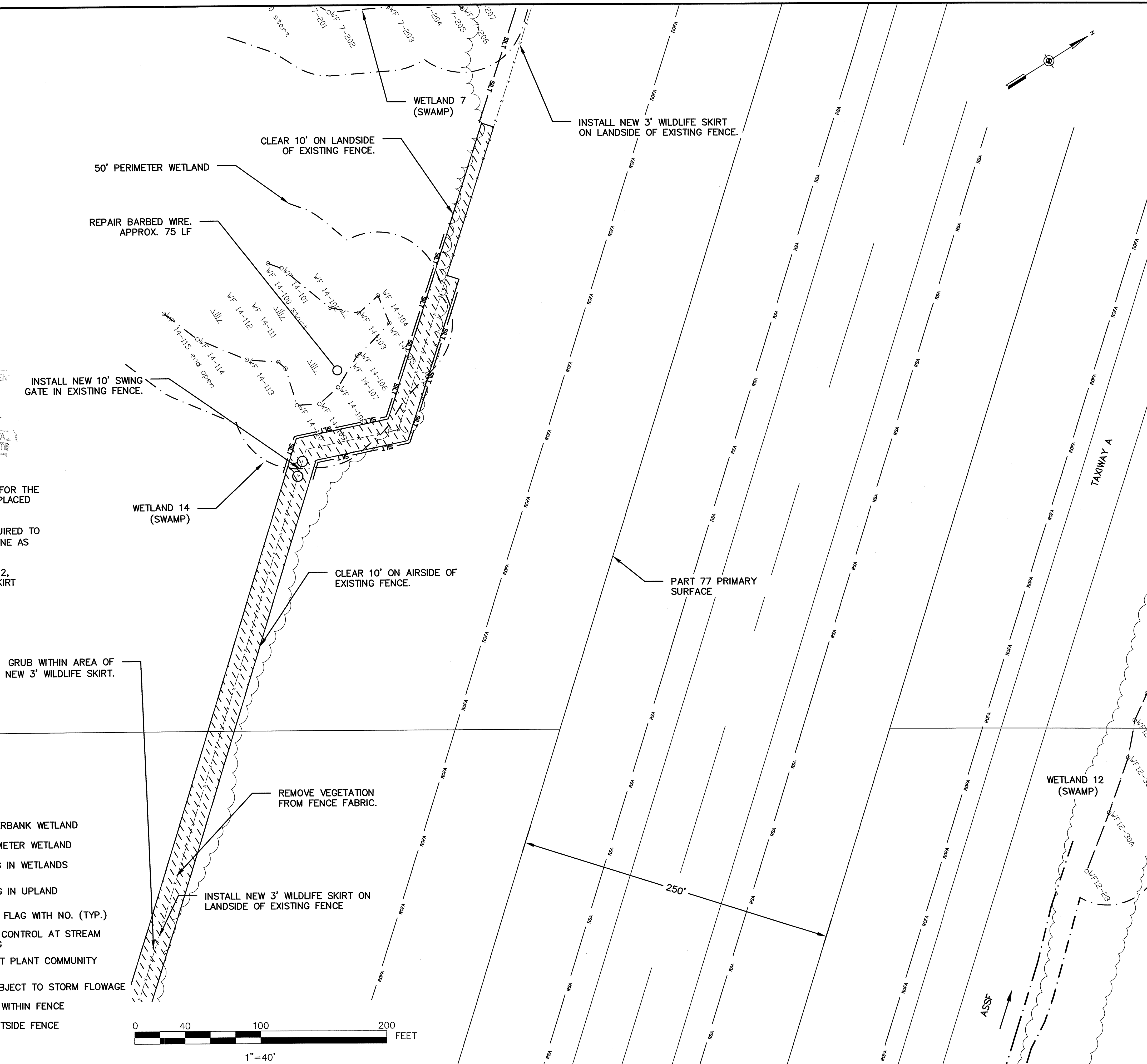
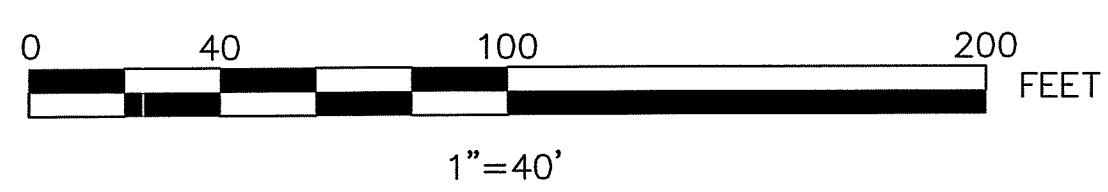
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED **JUL 30 2021** FILE # **21-0204**  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Martin D. Wenzel*

- NOTES:
- 3' CHAIN LINK WILDLIFE SKIRT SHALL BE INSTALLED FOR THE ENTIRE SECTIONS OF FENCE BEING REPAIRED OR REPLACED AS SHOWN ON THE PLANS.
  - GRUBBING FOR THE 3' WILDLIFE SKIRT WILL BE REQUIRED TO 6" BELOW GRADE FOR ALL AREAS WITHIN THE TREELINE AS SHOWN ON THE PLANS.
  - SEE SEDIMENT BARRIER ON SLOPE DETAIL DWG PS3.2, INSTALL ON ALL DISTURBED SLOPES AREAS AFTER SKIRT TRENCH HAS BEEN BACKFILLED AND SEEDED.

**LEGEND:**

- RSA — RUNWAY SAFETY AREA
- ROFA — RUNWAY OBJECT FREE AREA
- RPZ — RUNWAY PROTECTION ZONE
- AIRPORT PROPERTY LINE
- EXISTING TREELINE
- EXISTING WETLANDS
- X—X—X— EXISTING FENCE
- X—X—X— PROPOSED FENCE
- SILT — PROPOSED SILT FENCE
- STREAM <10' WIDE
- 100' RIVERBANK WETLAND
- 50' PERIMETER WETLAND
- CLEARING IN WETLANDS
- CLEARING IN UPLAND
- WF-8-181 WETLAND FLAG WITH NO. (TYP.)
- EROSION CONTROL AT STREAM CROSSING
- EPC EMERGENT PLANT COMMUNITY
- ASSF — AREA SUBJECT TO STORM FLOWAGE
- AIRSIDE — AIRFIELD WITHIN FENCE
- LANDSIDE — AREA OUTSIDE FENCE



ENGINEER'S SEAL  
 NILS GONZALEZ  
 No. 8796  
 REGISTERED PROFESSIONAL ENGINEER CIVIL 7/12/21

Rhode Island Airport Corporation  
 NORTH CENTRAL STATE AIRPORT  
 300 JENCKES HILL RD  
 SMITHFIELD, RI 02917  
 SMITHFIELD: 45-047, 45-050, 48-044B, 48-044, AND 48-047  
 LINCOLN: 28-006  
 CHECKED BY: NEG  
 DRAWN BY: CJM

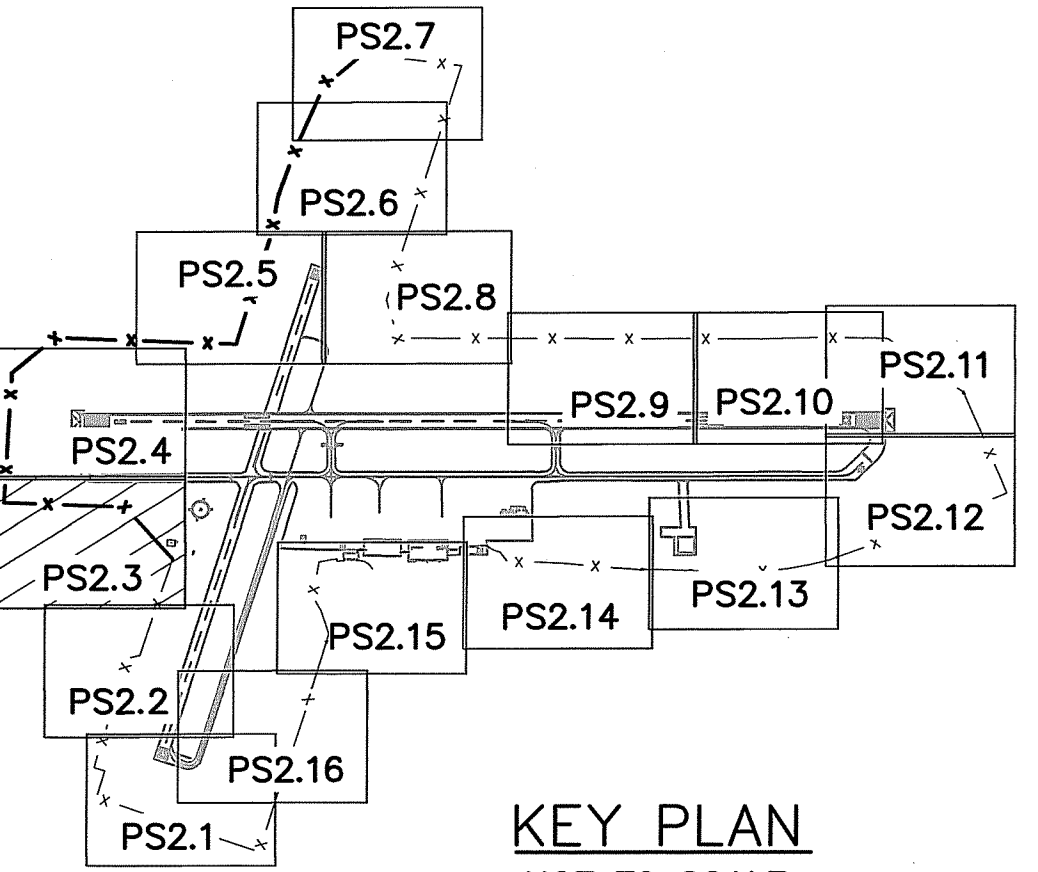
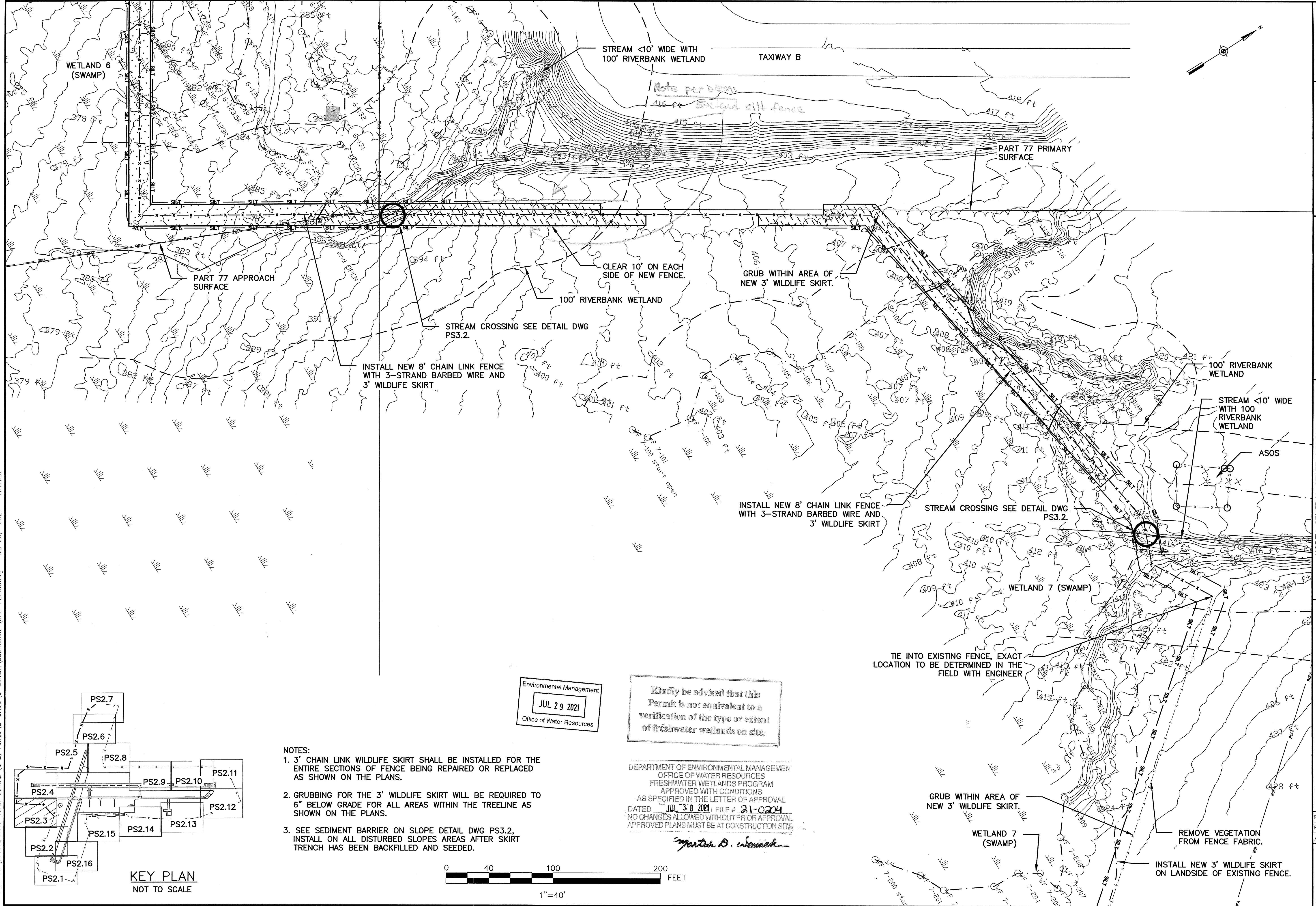
PROJECT DESIGNER  
**Hoyle, Tanner & Associates, Inc.**  
 100 Dow Street  
 Smithfield, RI 02917  
 Tel: 603-669-5555  
 Fax: 603-669-4868  
 Web Page: www.hoyletanner.com  
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 DESIGNED BY: CJM

NORTH CENTRAL STATE AIRPORT  
 WILDLIFE FENCE INSTALLATION AND REPAIR  
**WETLAND IMPACTS**  
**SHEET 2 OF 16**  
 DATE: JULY 2021  
 SCALE: 1" = 40'

REV. NO.	DATE	DESCRIPTION

PROJ. No.: 301012  
 FILE: SFZ-PS202  
 AP No.: 3-44-0004-XXX-2021  
 DRAWING NO.  
**PS2.2**  
 SHEET 3 OF 20

DWG: H:\301012 RIAC North Central (SFZ) Fence V2-CADD\3-Exhibit\Submission\_SFZ-PS203.dwg Jul 29, 2021 - 11:54am



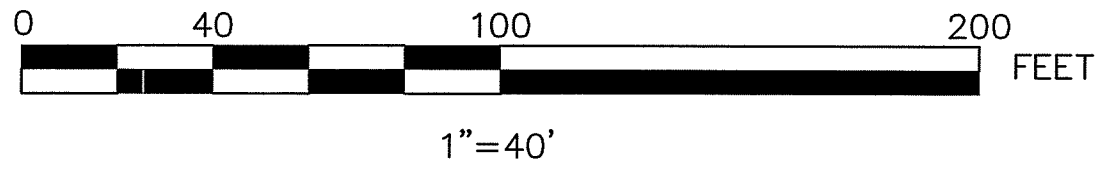
- NOTES:**
- 3' CHAIN LINK WILDLIFE SKIRT SHALL BE INSTALLED FOR THE ENTIRE SECTIONS OF FENCE BEING REPAIRED OR REPLACED AS SHOWN ON THE PLANS.
  - GRUBBING FOR THE 3' WILDLIFE SKIRT WILL BE REQUIRED TO 6" BELOW GRADE FOR ALL AREAS WITHIN THE TREELINE AS SHOWN ON THE PLANS.
  - SEE SEDIMENT BARRIER ON SLOPE DETAIL DWG PS3.2, INSTALL ON ALL DISTURBED SLOPE AREAS AFTER SKIRT TRENCH HAS BEEN BACKFILLED AND SEEDED.

Environmental Management  
**JUL 29 2021**  
 Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED **JUL 30 2021** FILE # **21-0204**  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Martin D. Wemack*



ENGINEER'S SEAL  
 NLS GONZALEZ  
 No. 8796  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL 7/12/21

Rhode Island Airport Corporation  
 NORTH CENTRAL STATE AIRPORT  
 300 JENCKES HILL RD  
 SMITHFIELD, RI 02917  
 SMITHFIELD: 45-047, 45-050, 45-044B, 48-044, AND 48-047  
 LINCOLN: 28-006

PROJECT DESIGNER  
**Hoyle, Tanner & Associates, Inc.**  
 150 Oak Street  
 Smithfield, RI 02917  
 Tel: 402-699-5555  
 Fax: 402-699-5555  
 Web: http://www.hta.com

NORTH CENTRAL STATE AIRPORT  
 WILDLIFE FENCE INSTALLATION AND REPAIR  
**WETLAND IMPACTS**  
**SHEET 3 OF 16**

NO.	DATE	DESCRIPTION

PROJ. No.: 301012  
 FILE: SFZ-PS203  
 AIP No.: 3-44-0004-XXX-2021  
 DRAWING NO.

**PS2.3**  
 SHEET 4 OF 20

CHECKED BY: NEG  
 DRAWN BY: CJM

DESIGNED BY: CJM

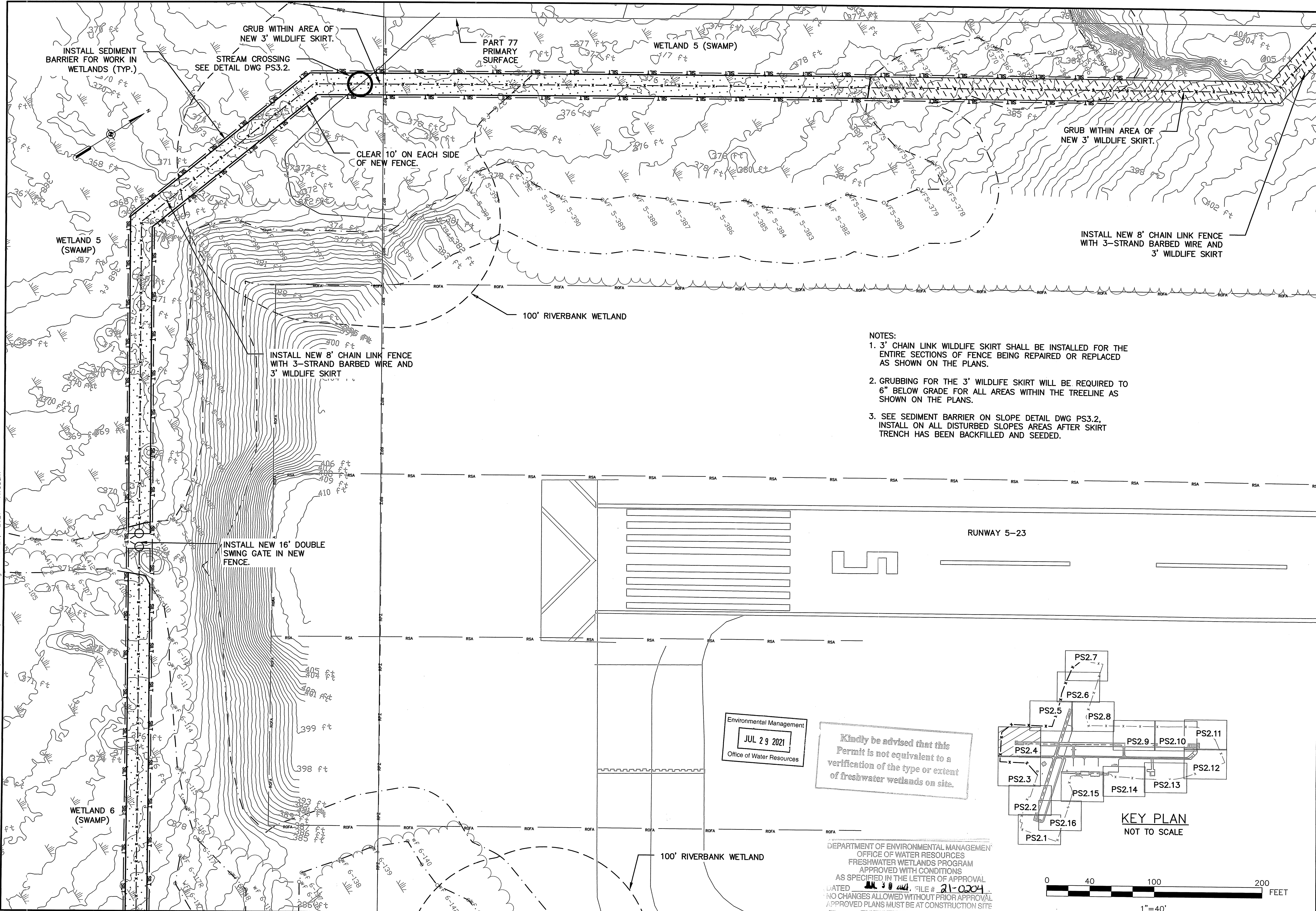
DATE: JULY 2021

SCALE: 1" = 40'

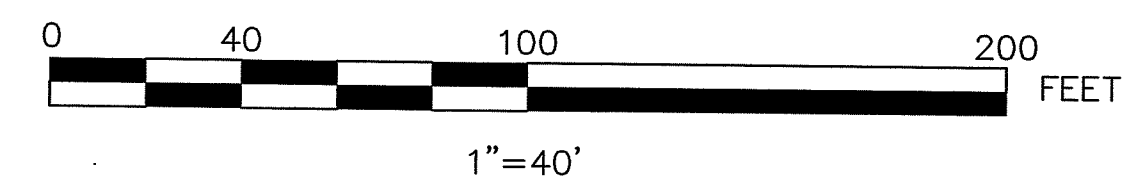
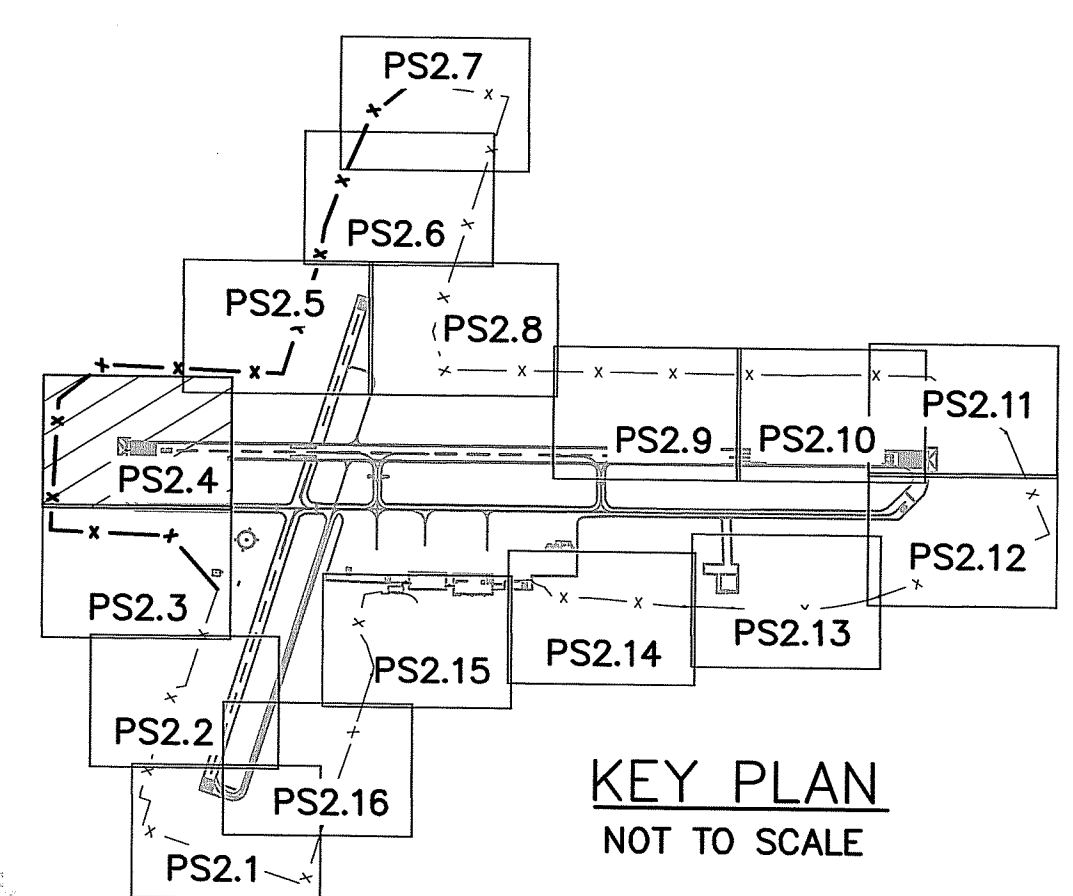
BY: NEG

PERMITTING DOCUMENTS  
 7/1/21

DWG: H:\301012\RIAC North Central (SFZ) Fence\2-CADD\3-Exhibit\Submission\SFZ-PS204.dwg Jul 29, 2021 11:58am



- NOTES:
- 3' CHAIN LINK WILDLIFE SKIRT SHALL BE INSTALLED FOR THE ENTIRE SECTIONS OF FENCE BEING REPAIRED OR REPLACED AS SHOWN ON THE PLANS.
  - GRUBBING FOR THE 3' WILDLIFE SKIRT WILL BE REQUIRED TO 6" BELOW GRADE FOR ALL AREAS WITHIN THE TREELINE AS SHOWN ON THE PLANS.
  - SEE SEDIMENT BARRIER ON SLOPE DETAIL DWG PS3.2, INSTALL ON ALL DISTURBED SLOPE AREAS AFTER SKIRT TRENCH HAS BEEN BACKFILLED AND SEEDED.



Environmental Management  
JUL 29 2021  
Office of Water Resources

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED Jul 29 2021 FILE # 21-0204  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Martin D. Wenczek*

ENGINEER'S SEAL  
NIELS GONZALEZ  
No. 8796  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL 711282

Rhode Island Airport Corporation  
NORTH CENTRAL STATE AIRPORT  
300 JENCKES HILL RD  
SMITHFIELD, RI 02917  
SMITHFIELD: 45-047, 45-050,  
48-044B, 48-044, AND 48-047  
LINCOLN: 28-006

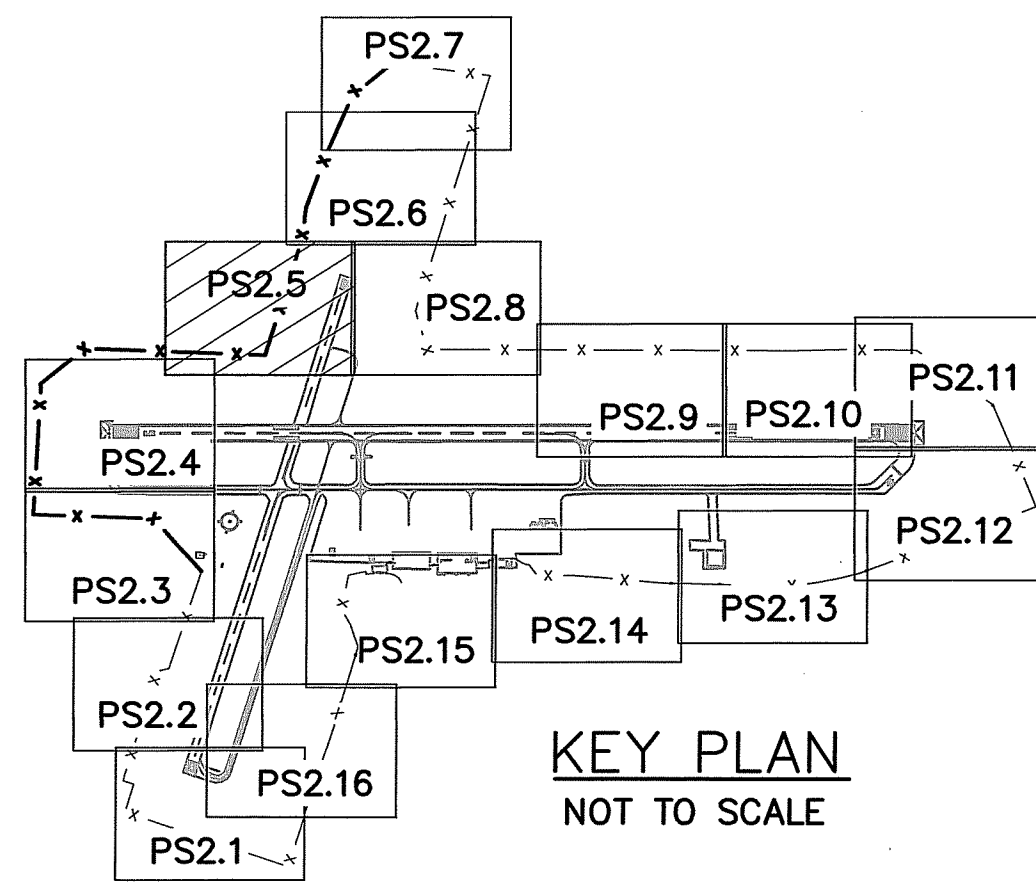
PROJECT DESIGNER  
**Hoyle, Tanner & Associates, Inc.**  
100 Pine Street  
Providence, RI 02903-2227  
Tel: 401-669-8888  
Fax: 401-669-8888  
Web Page: www.hoyletanner.com

NORTH CENTRAL STATE AIRPORT  
WILDLIFE FENCE INSTALLATION AND REPAIR  
**WETLAND IMPACTS  
SHEET 4 OF 16**

REV. NO.	DATE	DESCRIPTION	BY

PERMITTING DOCUMENTS  
DO NOT SCALE DRAWING  
7/1/21  
NEG  
SCALE: 1" = 40'  
DATE: JULY 2021  
DRAWN BY: CUM  
CHECKED BY: NEG  
DESIGNED BY: CUM  
PROJECT NO.: 301012  
FILE: SFZ-PS203  
AIP No. 3-44-0004-XXX-2021  
DRAWING NO.  
**PS2.4**  
SHEET 5 OF 20

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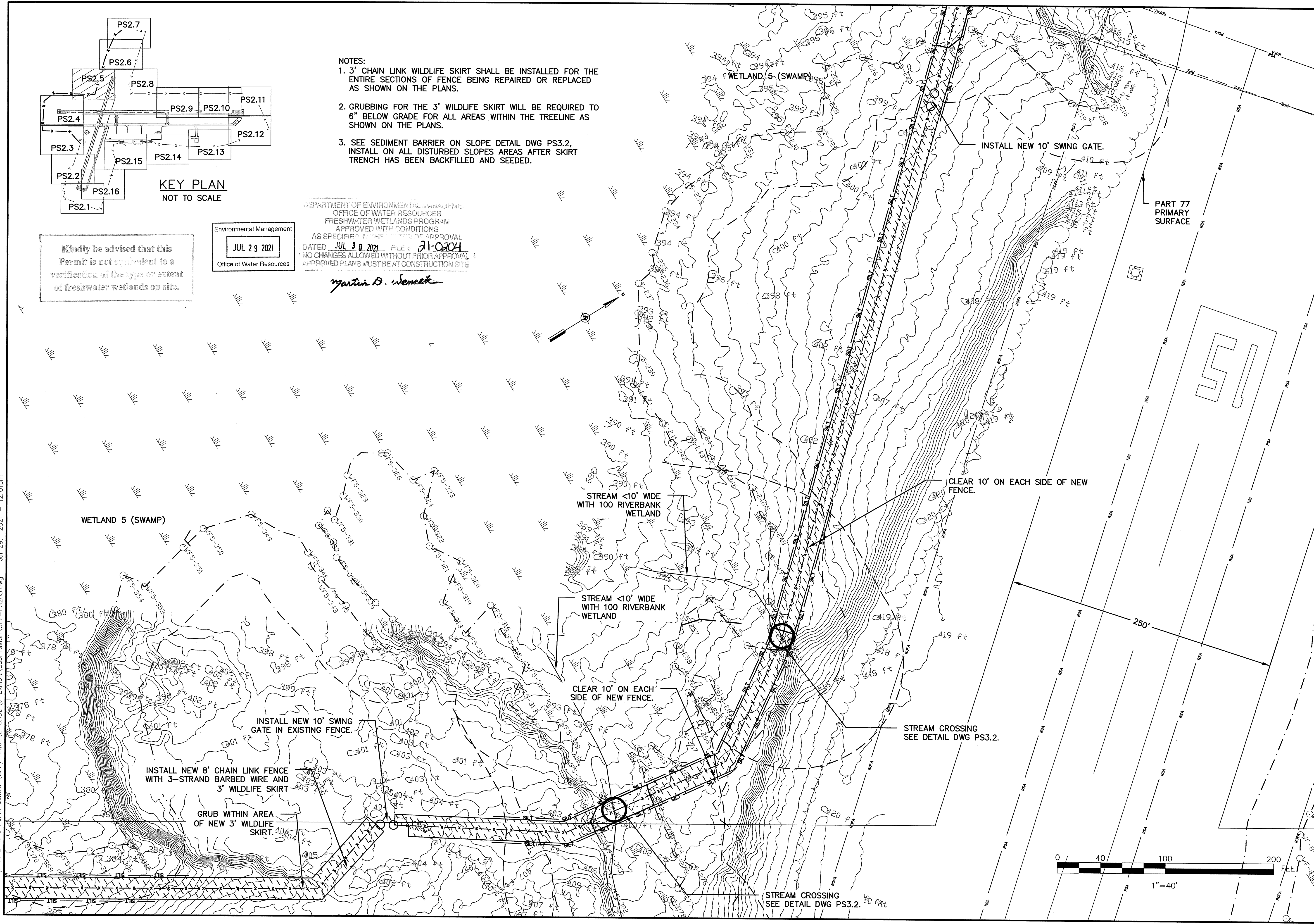
- NOTES:
- 3' CHAIN LINK WILDLIFE SKIRT SHALL BE INSTALLED FOR THE ENTIRE SECTIONS OF FENCE BEING REPAIRED OR REPLACED AS SHOWN ON THE PLANS.
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  - SEE SEDIMENT BARRIER ON SLOPE DETAIL DWG PS3.2, INSTALL ON ALL DISTURBED SLOPE AREAS AFTER SKIRT TRENCH HAS BEEN BACKFILLED AND SEEDED.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTERS OF APPROVAL  
 DATED JUL 30 2021 FILE # 21-0204  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Martin D. Wenczek*

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

Environmental Management  
 JUL 29 2021  
 Office of Water Resources



ENGINEER'S SEAL  
 NILS GONZALEZ  
 No. 8796  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL 7/12/21

Rhode Island Airport Corporation  
 NORTH CENTRAL STATE AIRPORT  
 300 JENCKES HILL RD  
 SMITHFIELD, RI 02917  
 SMITHFIELD: 45-047, 45-050, 48-044, 48-044, AND 48-047  
 LINCOLN: 28-006  
 CHECKED BY: NEG  
 DRAWN BY: CJM

PROJECT DESIGNER  
**Hoyle Tanner**  
 Associates, Inc.  
 100 Dowd Street  
 Smithfield, RI 02917  
 Tel: 401-666-3333  
 Fax: 401-666-4988  
 Web Page: www.hoyletanner.com  
 Hoyle Tanner & Associates © 2021  
 DESIGNED BY: CJM

NORTH CENTRAL STATE AIRPORT  
 WILDLIFE FENCE INSTALLATION AND REPAIR  
**WETLAND IMPACTS**  
**SHEET 5 OF 16**  
 SCALE: 1" = 40'  
 DATE: JULY 2021

REV. NO.	DATE	DESCRIPTION	BY

7/1/21	PERMITTING DOCUMENTS <small>DO NOT SCALE DRAWING</small>	NEG
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PROJ. No.: 301012  
 FILE: SFZ-PS203  
 AIP No.: 3-44-0004-XXX-2021  
**DRAWING NO. PS2.5**  
 SHEET 6 OF 20

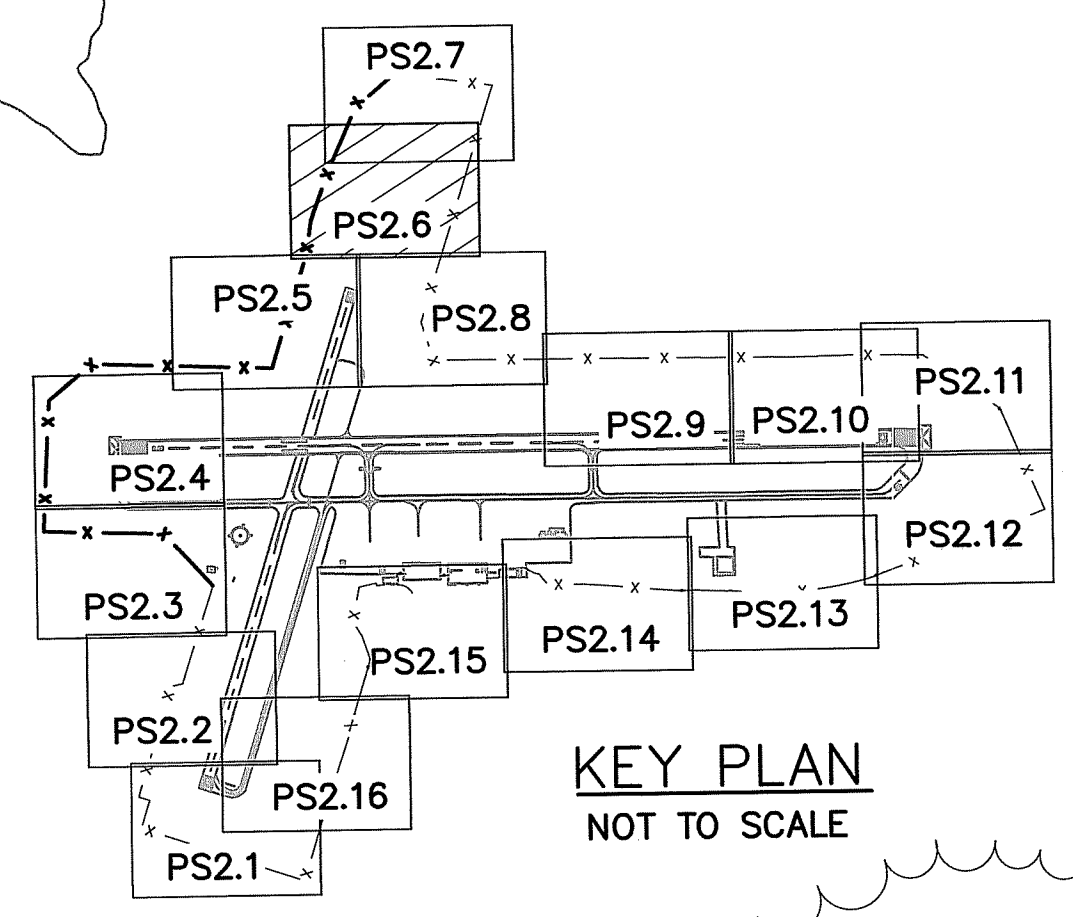
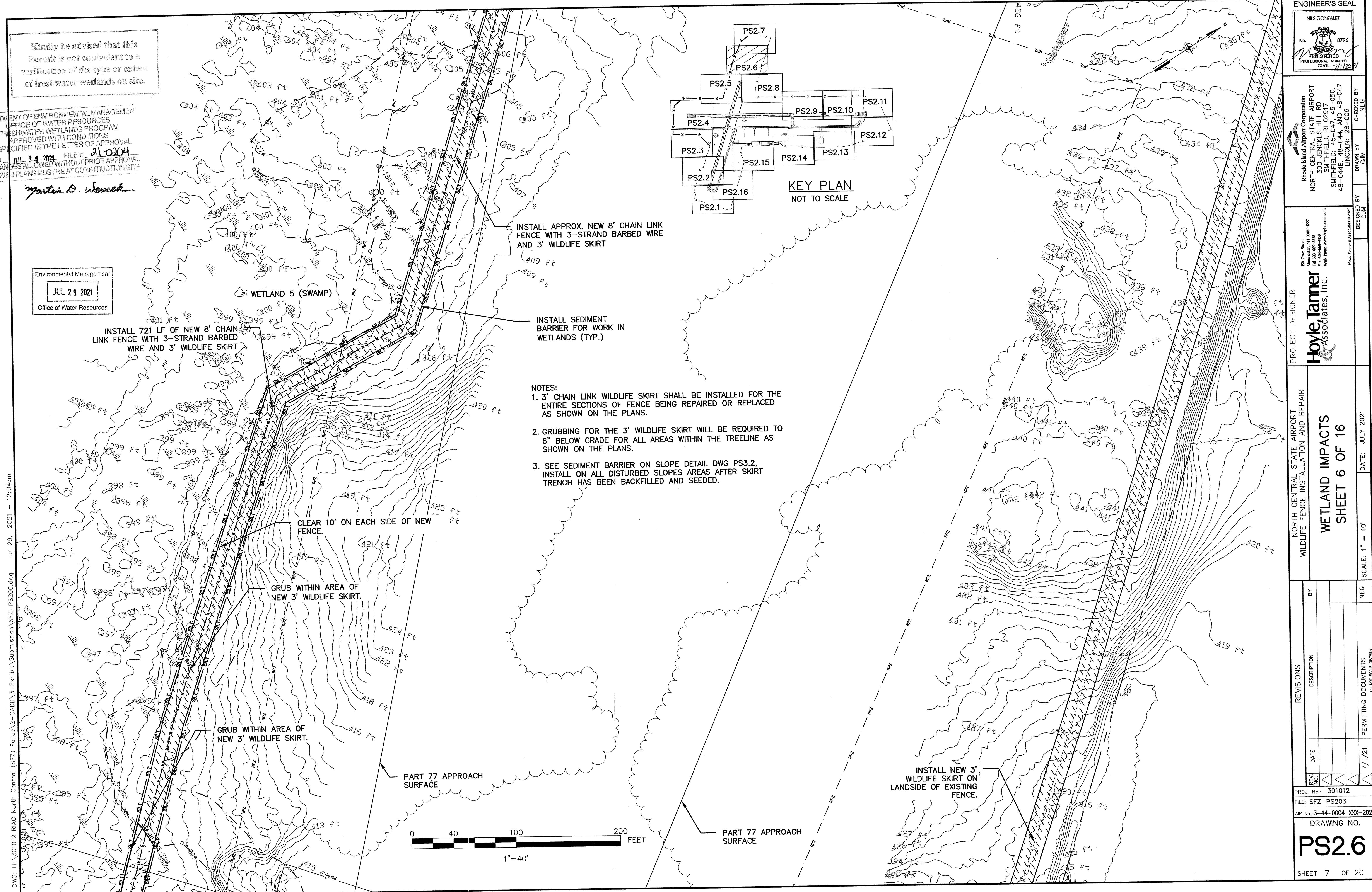
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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATE: JUL 29 2021 FILE # 21-0304  
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*Martin D. Wenczek*

Environmental Management  
JUL 29 2021  
Office of Water Resources

DWG: H:\301012\RIAC North Central (SFZ) Fence\_2-CADD\3-Exhibit\Submission\SFZ-PS206.dwg Jul 29, 2021 - 12:04pm



INSTALL APPROX. NEW 8' CHAIN LINK FENCE WITH 3-STRAND BARBED WIRE AND 3' WILDLIFE SKIRT

INSTALL SEDIMENT BARRIER FOR WORK IN WETLANDS (TYP.)

INSTALL 721 LF OF NEW 8' CHAIN LINK FENCE WITH 3-STRAND BARBED WIRE AND 3' WILDLIFE SKIRT

CLEAR 10' ON EACH SIDE OF NEW FENCE.

GRUB WITHIN AREA OF NEW 3' WILDLIFE SKIRT.

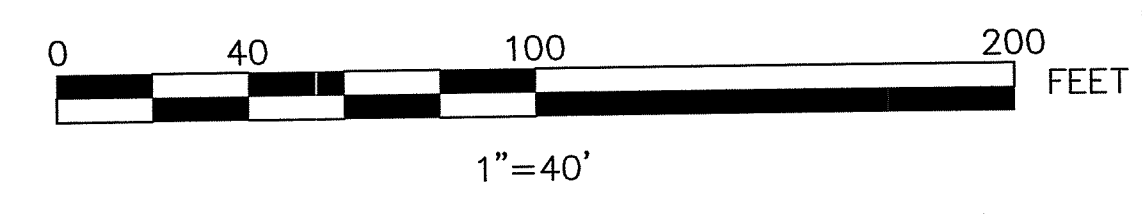
GRUB WITHIN AREA OF NEW 3' WILDLIFE SKIRT.

PART 77 APPROACH SURFACE

PART 77 APPROACH SURFACE

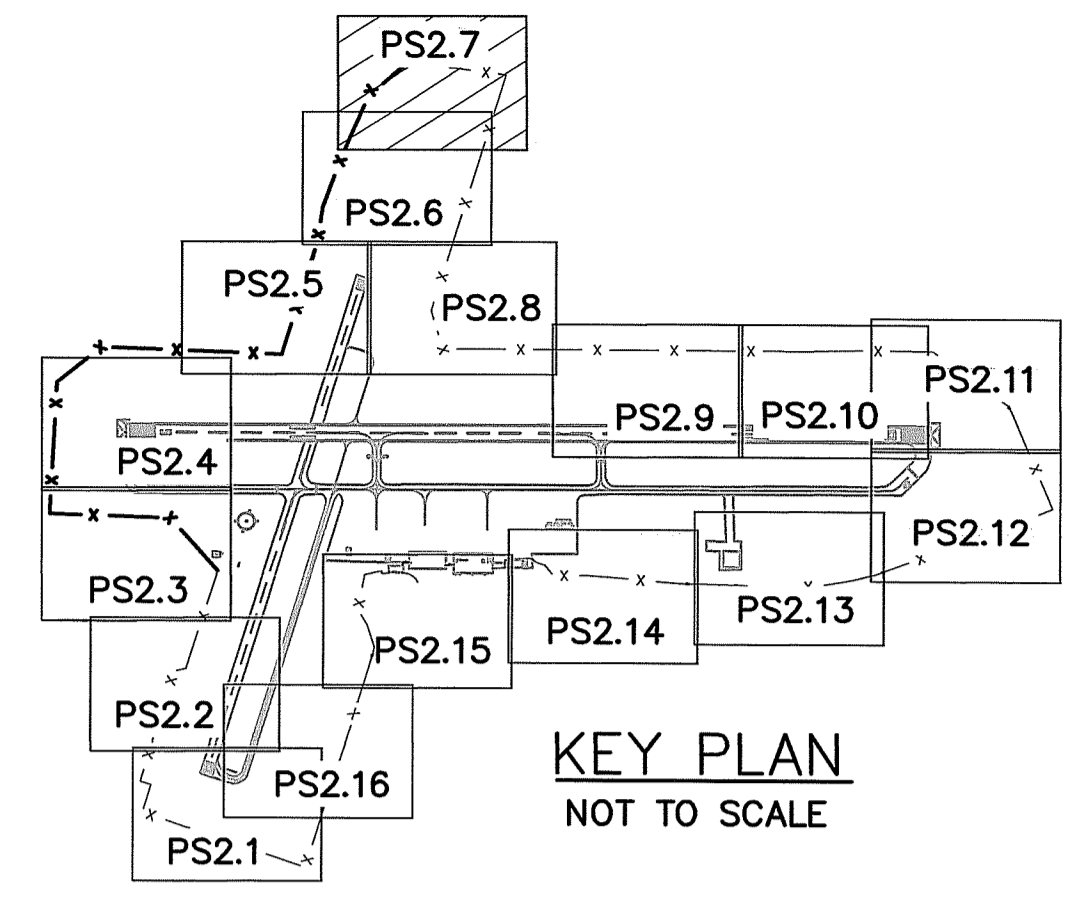
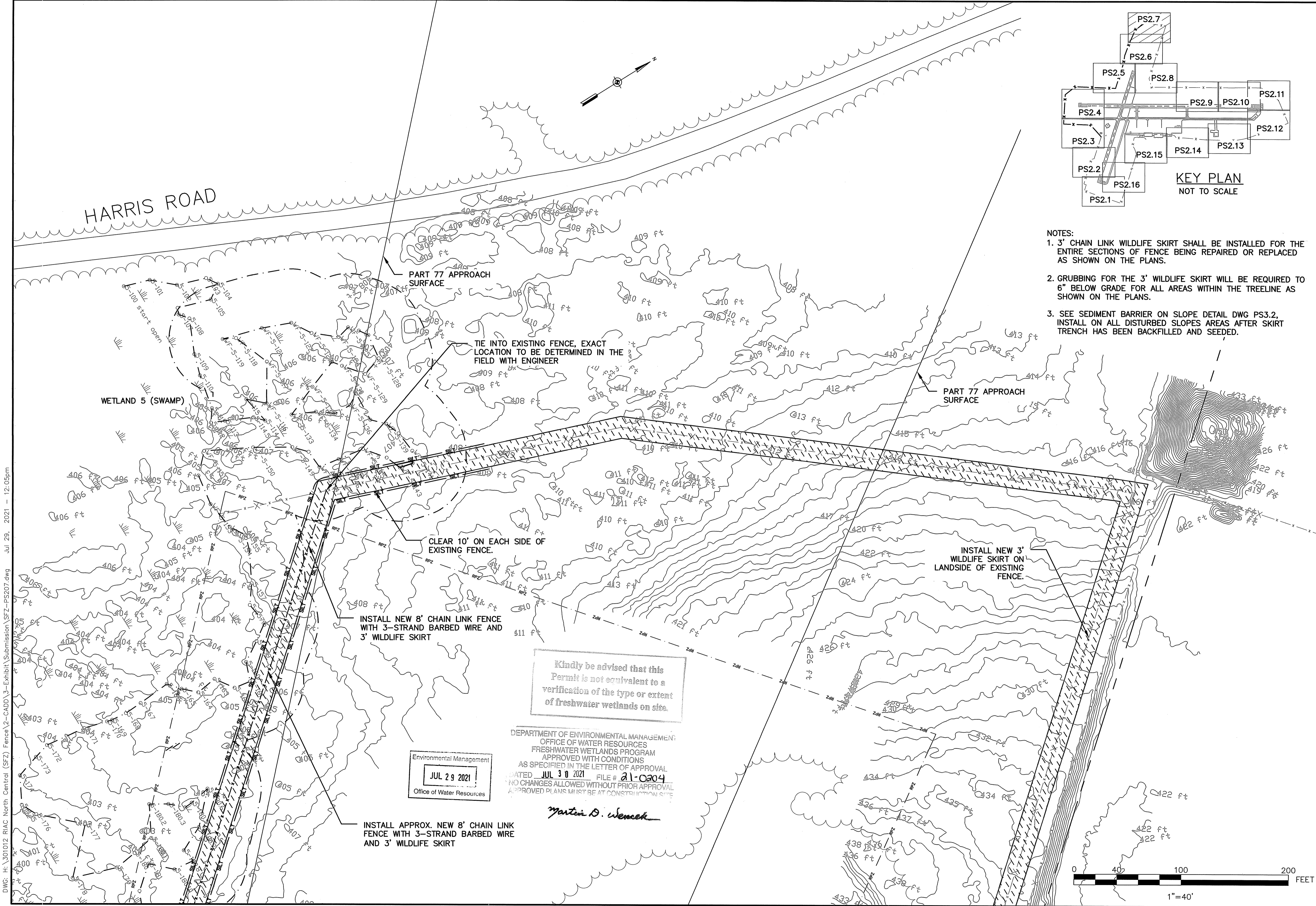
INSTALL NEW 3' WILDLIFE SKIRT ON LANDSIDE OF EXISTING FENCE.

- NOTES:
1. 3' CHAIN LINK WILDLIFE SKIRT SHALL BE INSTALLED FOR THE ENTIRE SECTIONS OF FENCE BEING REPAIRED OR REPLACED AS SHOWN ON THE PLANS.
  2. GRUBBING FOR THE 3' WILDLIFE SKIRT WILL BE REQUIRED TO 6" BELOW GRADE FOR ALL AREAS WITHIN THE TREELINE AS SHOWN ON THE PLANS.
  3. SEE SEDIMENT BARRIER ON SLOPE DETAIL DWG PS3.2, INSTALL ON ALL DISTURBED SLOPE AREAS AFTER SKIRT TRENCH HAS BEEN BACKFILLED AND SEEDDED.



ENGINEER'S SEAL  
NLS GONZALEZ  
No. 8796  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL 71122

Rhode Island Airport Corporation  
NORTH CENTRAL STATE AIRPORT  
SOUTHFIELD, RI 02917  
SMITHFIELD: 45-047, 45-050, 45-048, 45-049, 45-050, 45-051, 45-052, 45-053, 45-054, 45-055, 45-056, 45-057, 45-058, 45-059, 45-060, 45-061, 45-062, 45-063, 45-064, 45-065, 45-066, 45-067, 45-068, 45-069, 45-070, 45-071, 45-072, 45-073, 45-074, 45-075, 45-076, 45-077, 45-078, 45-079, 45-080, 45-081, 45-082, 45-083, 45-084, 45-085, 45-086, 45-087, 45-088, 45-089, 45-090, 45-091, 45-092, 45-093, 45-094, 45-095, 45-096, 45-097, 45-098, 45-099, 45-100, 45-101, 45-102, 45-103, 45-104, 45-105, 45-106, 45-107, 45-108, 45-109, 45-110, 45-111, 45-112, 45-113, 45-114, 45-115, 45-116, 45-117, 45-118, 45-119, 45-120, 45-121, 45-122, 45-123, 45-124, 45-125, 45-126, 45-127, 45-128, 45-129, 45-130, 45-131, 45-132, 45-133, 45-134, 45-135, 45-136, 45-137, 45-138, 45-139, 45-140, 45-141, 45-142, 45-143, 45-144, 45-145, 45-146, 45-147, 45-148, 45-149, 45-150, 45-151, 45-152, 45-153, 45-154, 45-155, 45-156, 45-157, 45-158, 45-159, 45-160, 45-161, 45-162, 45-163, 45-164, 45-165, 45-166, 45-167, 45-168, 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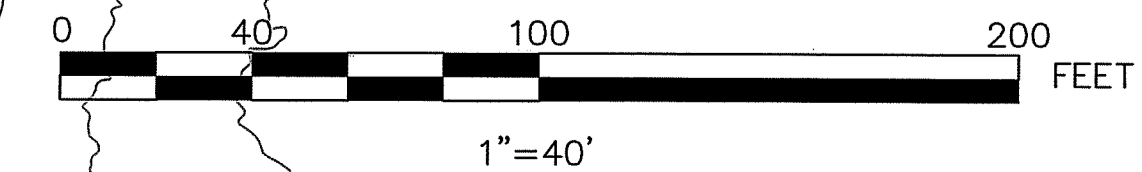
- NOTES:
- 3' CHAIN LINK WILDLIFE SKIRT SHALL BE INSTALLED FOR THE ENTIRE SECTIONS OF FENCE BEING REPAIRED OR REPLACED AS SHOWN ON THE PLANS.
  - GRUBBING FOR THE 3' WILDLIFE SKIRT WILL BE REQUIRED TO 6" BELOW GRADE FOR ALL AREAS WITHIN THE TREELINE AS SHOWN ON THE PLANS.
  - SEE SEDIMENT BARRIER ON SLOPE DETAIL DWG PS3.2, INSTALL ON ALL DISTURBED SLOPE AREAS AFTER SKIRT TRENCH HAS BEEN BACKFILLED AND SEEDED.

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

Environmental Management  
**JUL 29 2021**  
 Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED **JUL 30 2021** FILE # **21-0204**  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Martin D. Wencsek*



ENGINEER'S SEAL  
 NILS GONZALEZ  
 No. 8796  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL 7/1/2021

Rhode Island Airport Corporation  
 NORTH CENTRAL STATE AIRPORT  
 300 JENCKES HILL RD  
 SMITHFIELD, RI 02917  
 SMITHFIELD: 45-047, 45-050,  
 48-044B, 48-044, AND 48-047  
 LINCOLN: 28-006  
 DRAWN BY: CJM  
 CHECKED BY: NEG

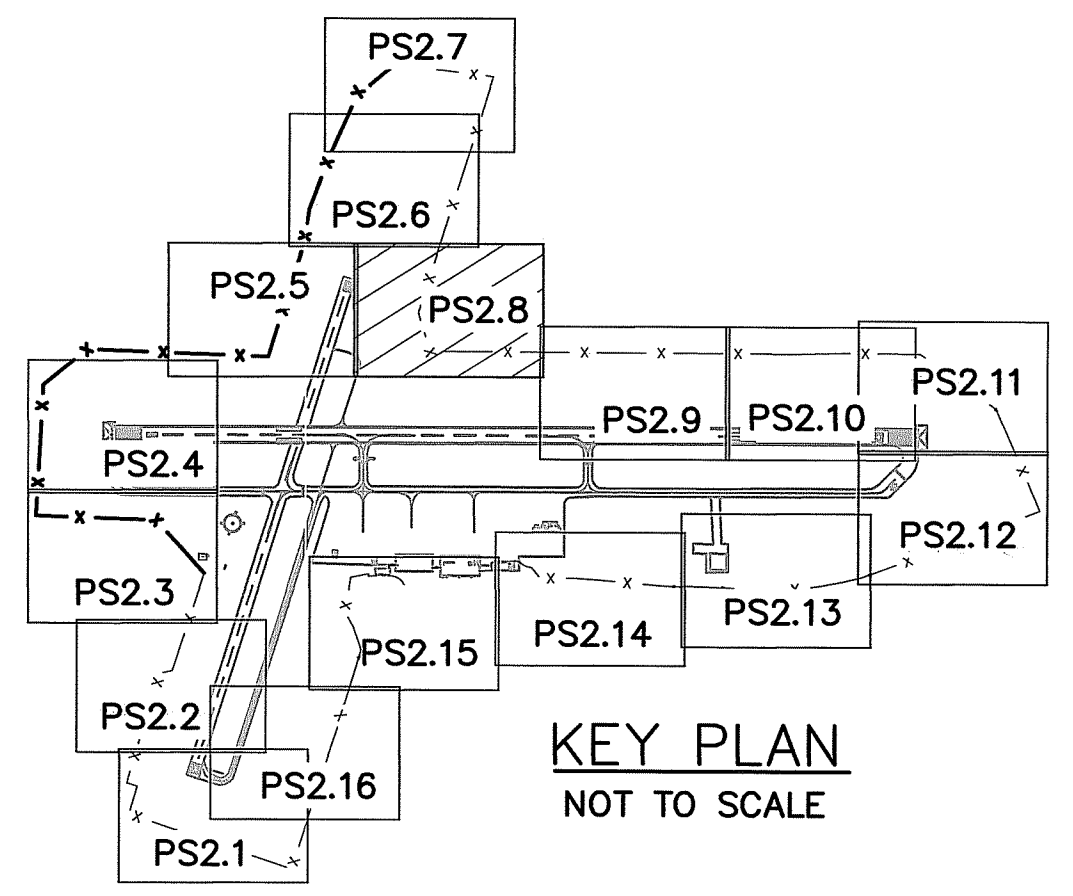
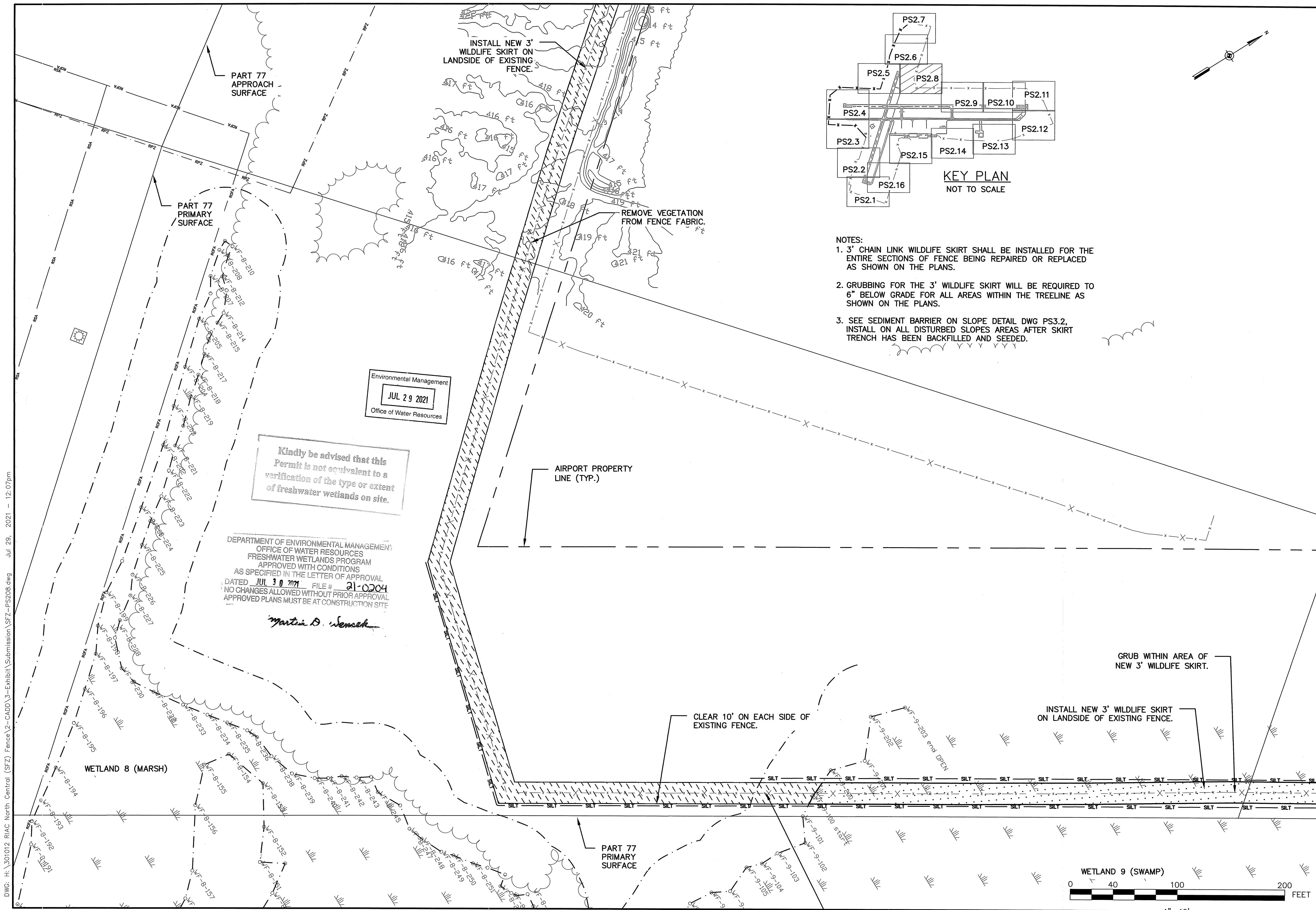
PROJECT DESIGNER  
**Howe Tanner**  
 Associates, Inc.  
 165 Dow Street  
 Pawtucket, RI 02861  
 Tel: 401-949-3277  
 Fax: 401-949-3555  
 Web Page: www.howe-tanner.com  
 Howe Tanner & Associates © 2021  
 DESIGNED BY: CJM  
 CHECKED BY: NEG

NORTH CENTRAL STATE AIRPORT  
 WILDLIFE FENCE INSTALLATION AND REPAIR  
**WETLAND IMPACTS**  
**SHEET 7 OF 16**  
 SCALE: 1" = 40'  
 DATE: JULY 2021

REVISIONS	DATE	DESCRIPTION	BY	PERMITTING DOCUMENTS

PROJ. No.: 301012  
 FILE: SFZ-PS203  
 AIP No.: 3-44-0004-XXX-2021  
 DRAWING NO.  
**PS2.7**  
 SHEET 8 OF 20

DWG: H:\301012 RIAC North Central (SFZ) Fence\2-CADD\3-Exhibit\_Submission\_SFZ-PS207.dwg Jul 29, 2021 - 12:05pm



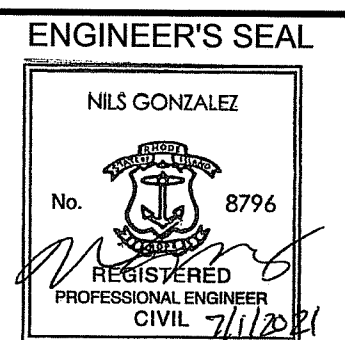
- NOTES:**
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  - SEE SEDIMENT BARRIER ON SLOPE DETAIL DWG PS3.2, INSTALL ON ALL DISTURBED SLOPES AREAS AFTER SKIRT TRENCH HAS BEEN BACKFILLED AND SEED.

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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JUL 30 2021 FILE # 21-0204  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Martin D. Sencak*

Environmental Management  
JUL 29 2021  
Office of Water Resources



Rhode Island Airport Corporation  
NORTH CENTRAL STATE AIRPORT  
300 JENCKES HILL RD  
SMITHFIELD, RI 02917  
SMITHFIELD: 45-047, 45-050,  
48-044, 48-044, AND 48-047  
LINCOLN: 28-008

CHECKED BY: NEG  
DRAWN BY: C.J.M.

PROJECT DESIGNER  
**Hoyle, Tanner & Associates, Inc.**  
55 Dow Street  
Providence, RI 02909-2277  
Tel: 401-853-1888  
Fax: 401-853-1888  
Web Page: www.hta.com

DESIGNED BY: C.J.M.

NORTH CENTRAL STATE AIRPORT  
WILDLIFE FENCE INSTALLATION AND REPAIR

**WETLAND IMPACTS  
SHEET 8 OF 16**

SCALE: 1" = 40'  
DATE: JULY 2021

REV. NO.	DATE	DESCRIPTION	BY	NEG

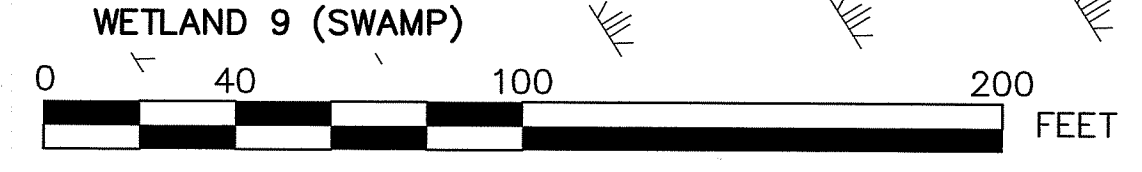
PERMITTING DOCUMENTS  
DO NOT SCALE DRAWING

7/1/21

PROJ. No.: 301012  
FILE: SFZ-PS203  
AIP No.: 3-44-0004-XXX-2021

DRAWING NO.  
**PS2.8**

SHEET 9 OF 20



DWG: H:\301012\_RIAC\_North\_Central\_(SFZ)\_Fence\_V2-CADD\3-Exhibit\Submission\SFZ-PS203.dwg Jul 29, 2021 - 12:07pm

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

Environmental Management  
Office of Water Resources  
JUL 29 2021

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
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*Martin D. Sencak*

INSTALL NEW 3' WILDLIFE SKIRT ON LANDSIDE OF EXISTING FENCE.

GRUB WITHIN AREA OF NEW 3' WILDLIFE SKIRT.

GRUB WITHIN AREA OF NEW 3' WILDLIFE SKIRT.

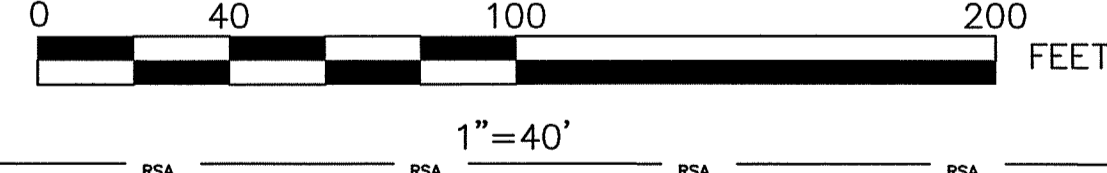
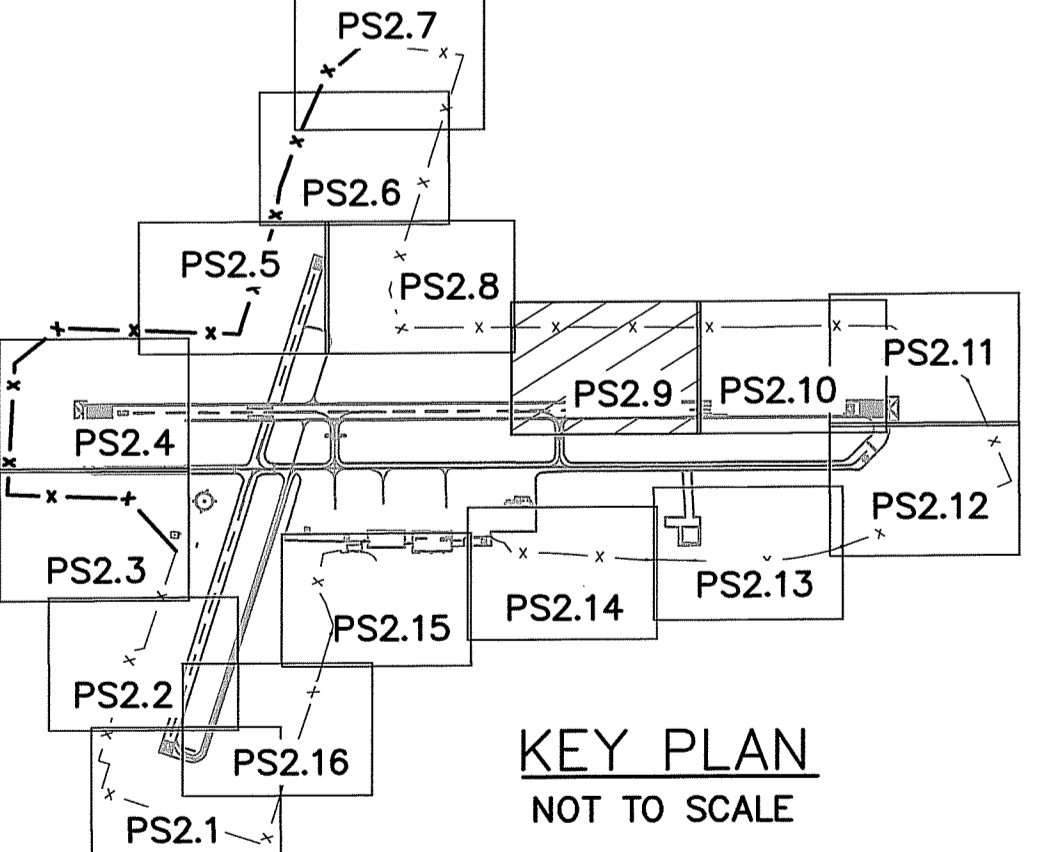
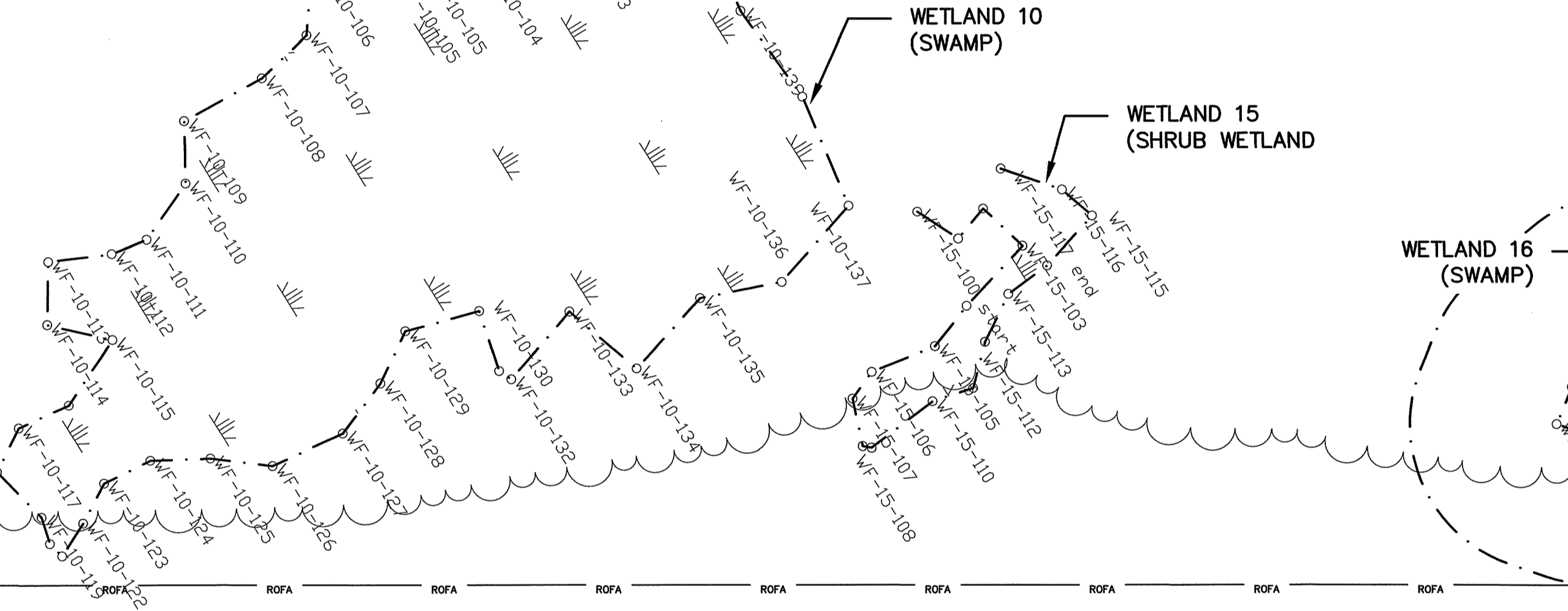
REMOVE VEGETATION FROM FENCE FABRIC.

Note per DEM: Extend silt fence

PART 77 PRIMARY SURFACE

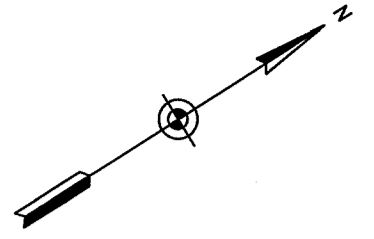
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RUNWAY 5-23

TAXIWAY C



ENGINEER'S SEAL  
Nils Gonzalez  
No. 8796  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL 7/1/21

Rhode Island Airport Corporation  
NORTH CENTRAL STATE AIRPORT  
300 JENCKES HILL RD  
SMITHFIELD, RI 02917  
SMITHFIELD: 45-047, 45-050, 48-044B, 48-044, AND 48-047  
LINCOLN: 28-006

PROJECT DESIGNER  
**Hoyle, Tanner & Associates, Inc.**  
10 Dow Street  
Providence, RI 02903-1227  
Tel: 401-869-6555  
Fax: 401-869-6558  
Web Page: www.hoyletanner.com

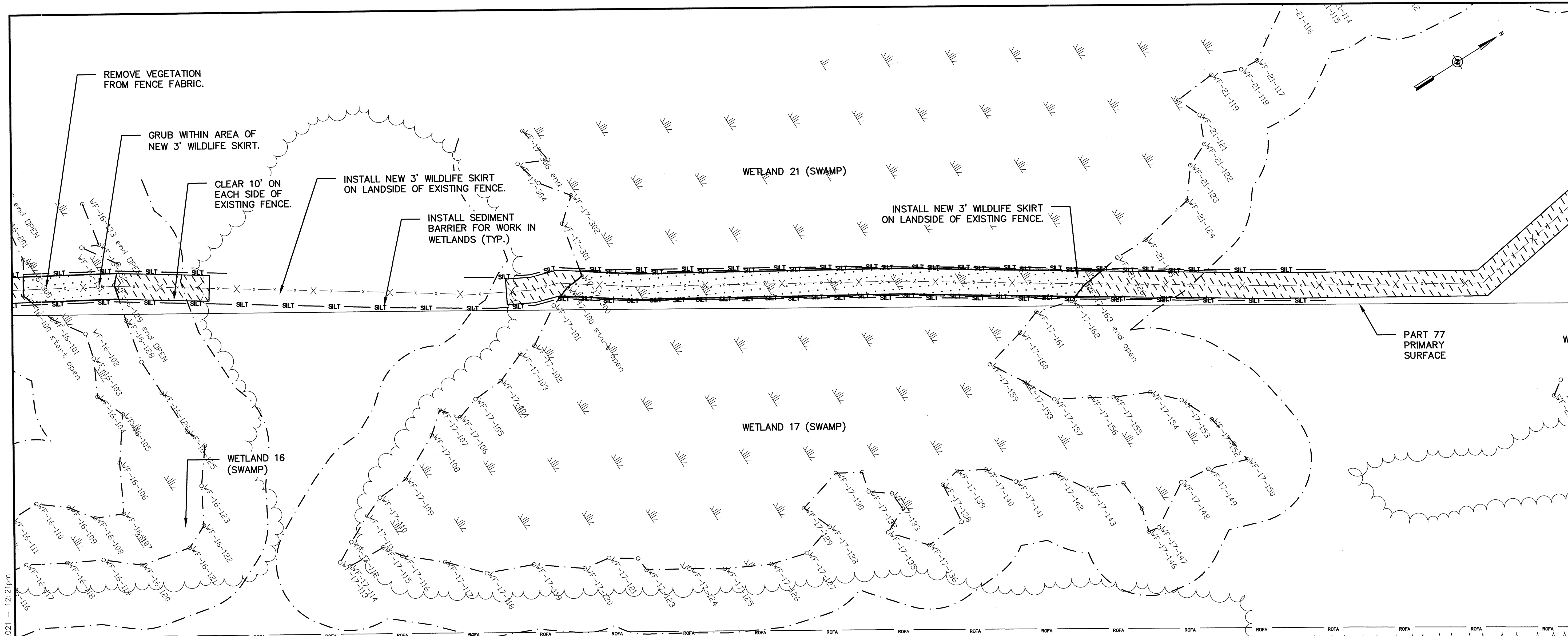
NORTH CENTRAL STATE AIRPORT  
WILDLIFE FENCE INSTALLATION AND REPAIR  
WETLAND IMPACTS  
SHEET 9 OF 16  
DATE: JULY 2021  
SCALE: 1" = 40'

REV. NO.	DATE	DESCRIPTION	BY

PERMITTING DOCUMENTS  
7/1/21  
NEG

PROJ. No.: 301012  
FILE: SFZ-PS203  
AIP No.: 3-44-0004-XXX-2021  
DRAWING NO.  
**PS2.9**  
SHEET 10 OF 20

DWG: H:\301012\_RIAC\_North\_Central\_SFZ\_Fence\2-CADD\3-Exhibit\Submission\SFZ-PS209.dwg Jul 29, 2021 - 12:11pm



ENGINEER'S SEAL  
 NILS GONZALEZ  
 No. 8796  
 REGISTERED PROFESSIONAL ENGINEER CIVIL 7/1/21

Rhode Island Airport Corporation  
 NORTH CENTRAL STATE AIRPORT  
 300 JENCKES HILL RD  
 SMITHFIELD, RI 02917-0500  
 SMITHFIELD, RI 02917-0500  
 48-0446, LINCOLN: 28-006

PROJECT DESIGNER  
**Hoyle Tanner**  
 Associates, Inc.  
 150 Deer Street  
 Middletown, RI 02842-0227  
 Tel: 603-669-5353  
 Fax: 603-669-4938  
 Web Page: www.hoyletanner.com

NORTH CENTRAL STATE AIRPORT  
 WILDLIFE FENCE INSTALLATION AND REPAIR  
**WETLAND IMPACTS**  
**SHEET 10 OF 16**  
 DATE: JULY 2021  
 SCALE: 1" = 40'

REV. NO.	DATE	DESCRIPTION	BY

PERMITTING DOCUMENTS  
 7/1/21  
 NEG

PROJ. No.: 301012  
 FILE: SFZ-PS203  
 AIP No.: 3-44-0004-XXX-2021  
 DRAWING NO.  
**PS2.10**  
 SHEET 11 OF 20

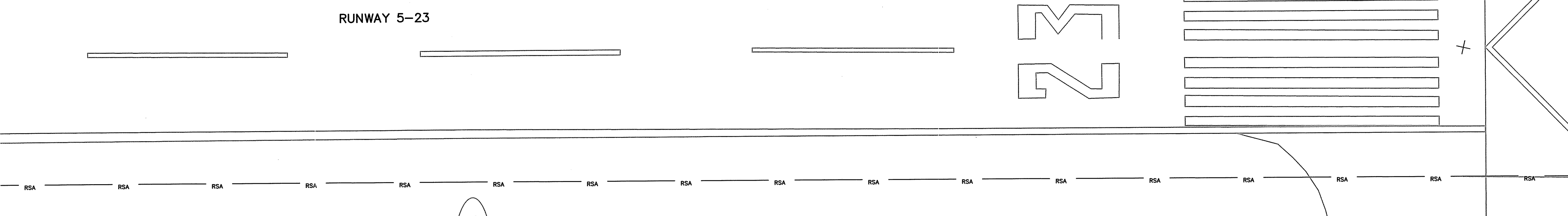
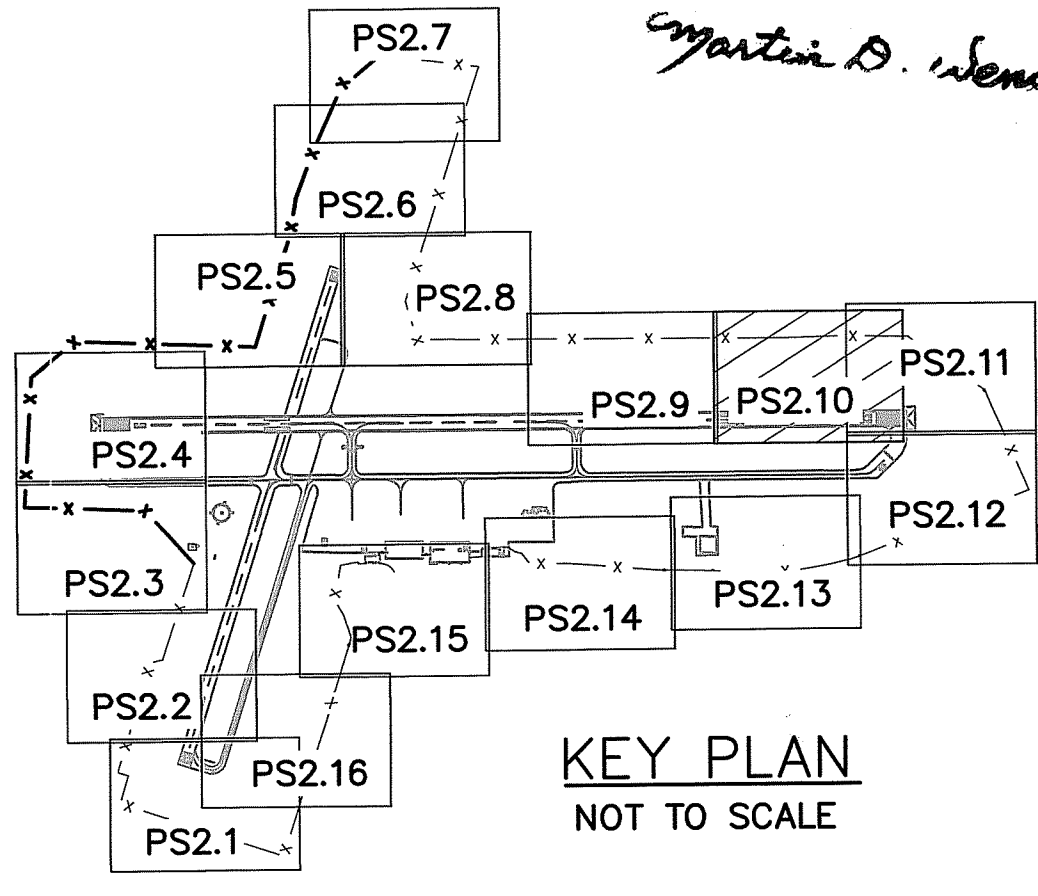
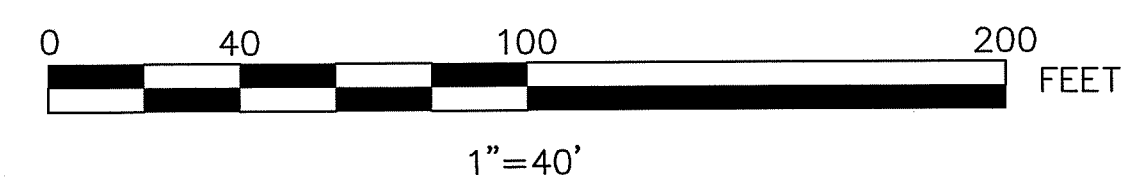
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

Environmental Management  
**JUL 29 2021**  
 Office of Water Resources

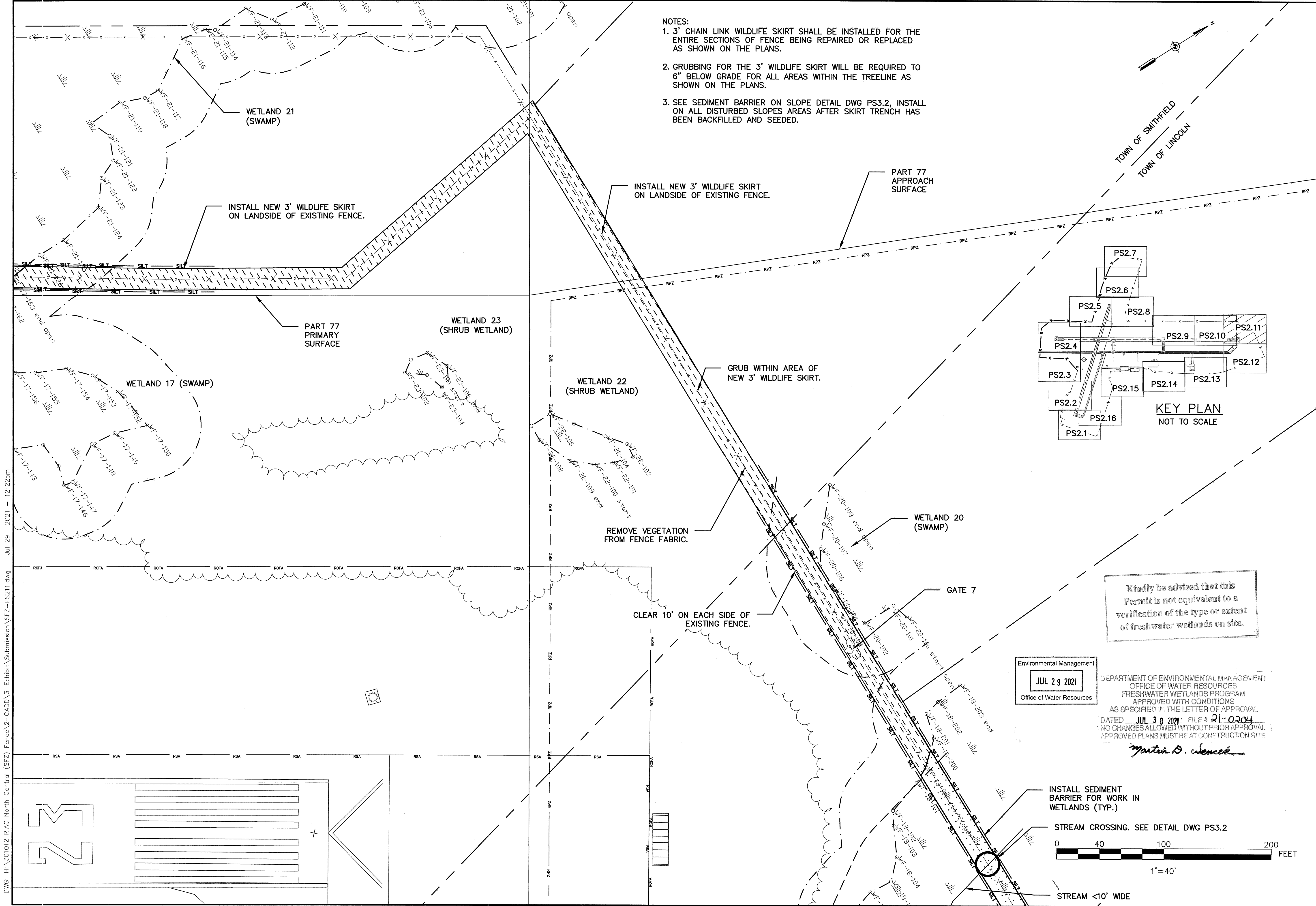
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED **JUL 30 2021** FILE # **21-0204**  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Martin D. Seneck*

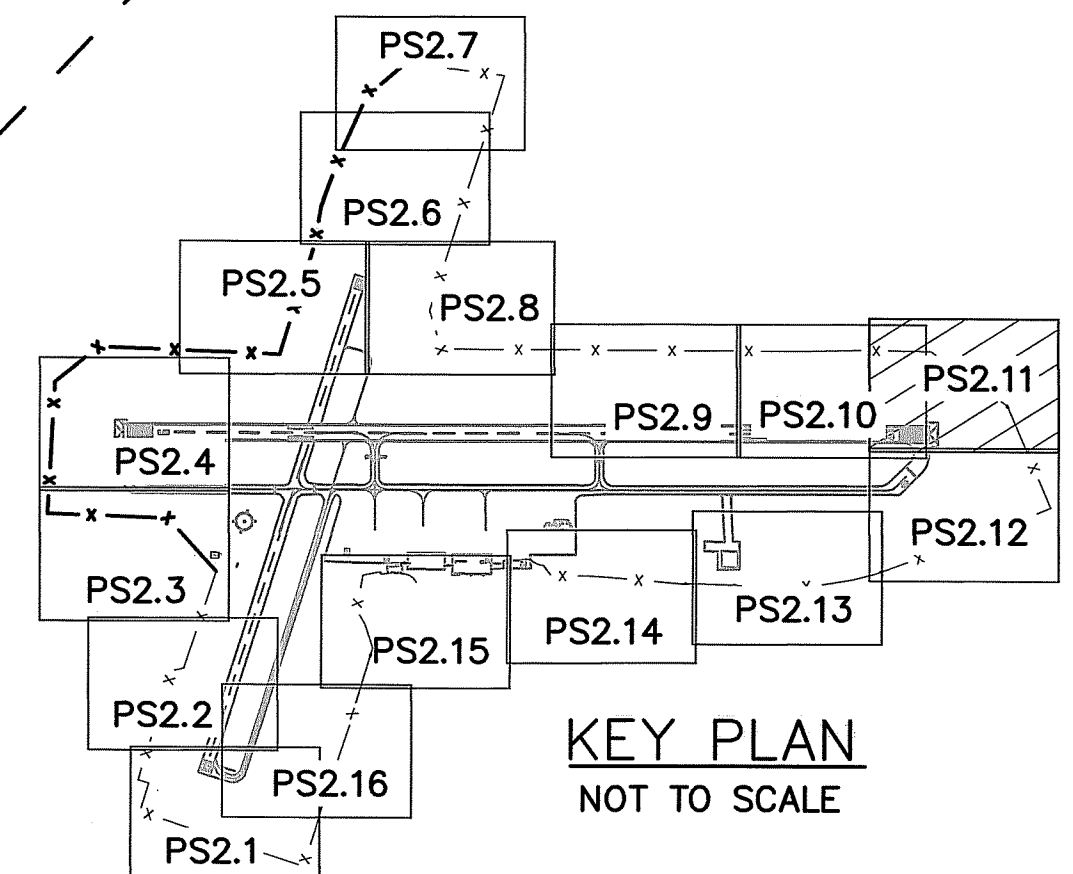
- NOTES:
- 3' CHAIN LINK WILDLIFE SKIRT SHALL BE INSTALLED FOR THE ENTIRE SECTIONS OF FENCE BEING REPAIRED OR REPLACED AS SHOWN ON THE PLANS.
  - GRUBBING FOR THE 3' WILDLIFE SKIRT WILL BE REQUIRED TO 6" BELOW GRADE FOR ALL AREAS WITHIN THE TREELINE AS SHOWN ON THE PLANS.
  - SEE SEDIMENT BARRIER ON SLOPE DETAIL DWG PS3.2, INSTALL ON ALL DISTURBED SLOPES AREAS AFTER SKIRT TRENCH HAS BEEN BACKFILLED AND SEEDDED.



DWG: H:\301012 RIAC North Central (SFZ) Fence\2-CADD\3-Exhibit\Submission\SFZ-PS210.dwg Jul 29, 2021 - 12:21pm



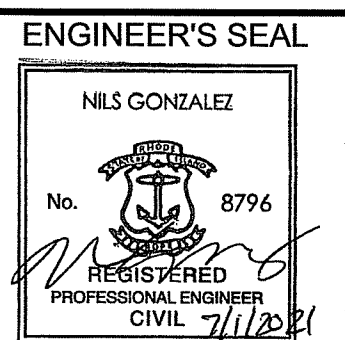
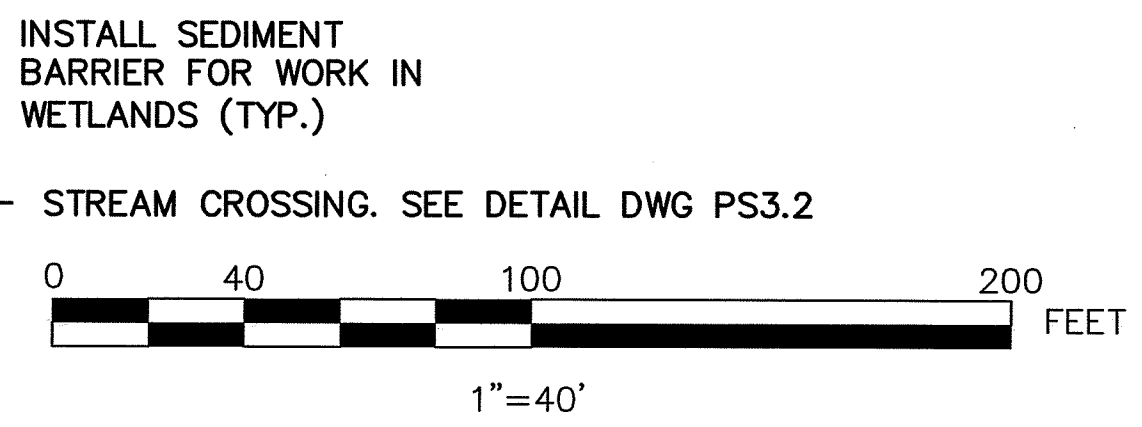
- NOTES:
- 3' CHAIN LINK WILDLIFE SKIRT SHALL BE INSTALLED FOR THE ENTIRE SECTIONS OF FENCE BEING REPAIRED OR REPLACED AS SHOWN ON THE PLANS.
  - GRUBBING FOR THE 3' WILDLIFE SKIRT WILL BE REQUIRED TO 6" BELOW GRADE FOR ALL AREAS WITHIN THE TREELINE AS SHOWN ON THE PLANS.
  - SEE SEDIMENT BARRIER ON SLOPE DETAIL DWG PS3.2, INSTALL ON ALL DISTURBED SLOPE AREAS AFTER SKIRT TRENCH HAS BEEN BACKFILLED AND SEEDDED.



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

Environmental Management  
**JUL 29 2021**  
 Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED **JUL 30 2021** FILE # **21-0204**  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE  
*Martin D. Sencak*



Rhode Island Airport Corporation  
 NORTH CENTRAL STATE AIRPORT  
 300 JENCKES HILL RD  
 SMITHFIELD, RI 02917  
 SMITHFIELD: 45-047, 45-050, 48-044, 48-047  
 LINCOLN: 28-006  
 DRAWN BY: CJM  
 CHECKED BY: NEG

PROJECT DESIGNER  
**Hoyle, Tanner & Associates, Inc.**  
 95 Dow Street  
 North Smithfield, RI 02891-2277  
 Tel: 401-469-3533  
 Fax: 401-469-3535  
 Web Page: www.htainc.com  
 Hoyle, Tanner & Associates © 2021  
 DESIGNED BY: CJM

NORTH CENTRAL STATE AIRPORT  
 WILDLIFE FENCE INSTALLATION AND REPAIR  
**WETLAND IMPACTS**  
**SHEET 11 OF 16**  
 SCALE: 1" = 40'  
 DATE: JULY 2021

REV. NO.	DATE	DESCRIPTION	BY

PERMITTING DOCUMENTS  
 DATE: 7/1/21  
 DRAWING NO. **PS2.11**

PROJ. No.: 301012  
 FILE: SFZ-PS203  
 AIP No.: 3-44-0004-XXX-2021  
 DRAWING NO. **PS2.11**  
 SHEET 12 OF 20

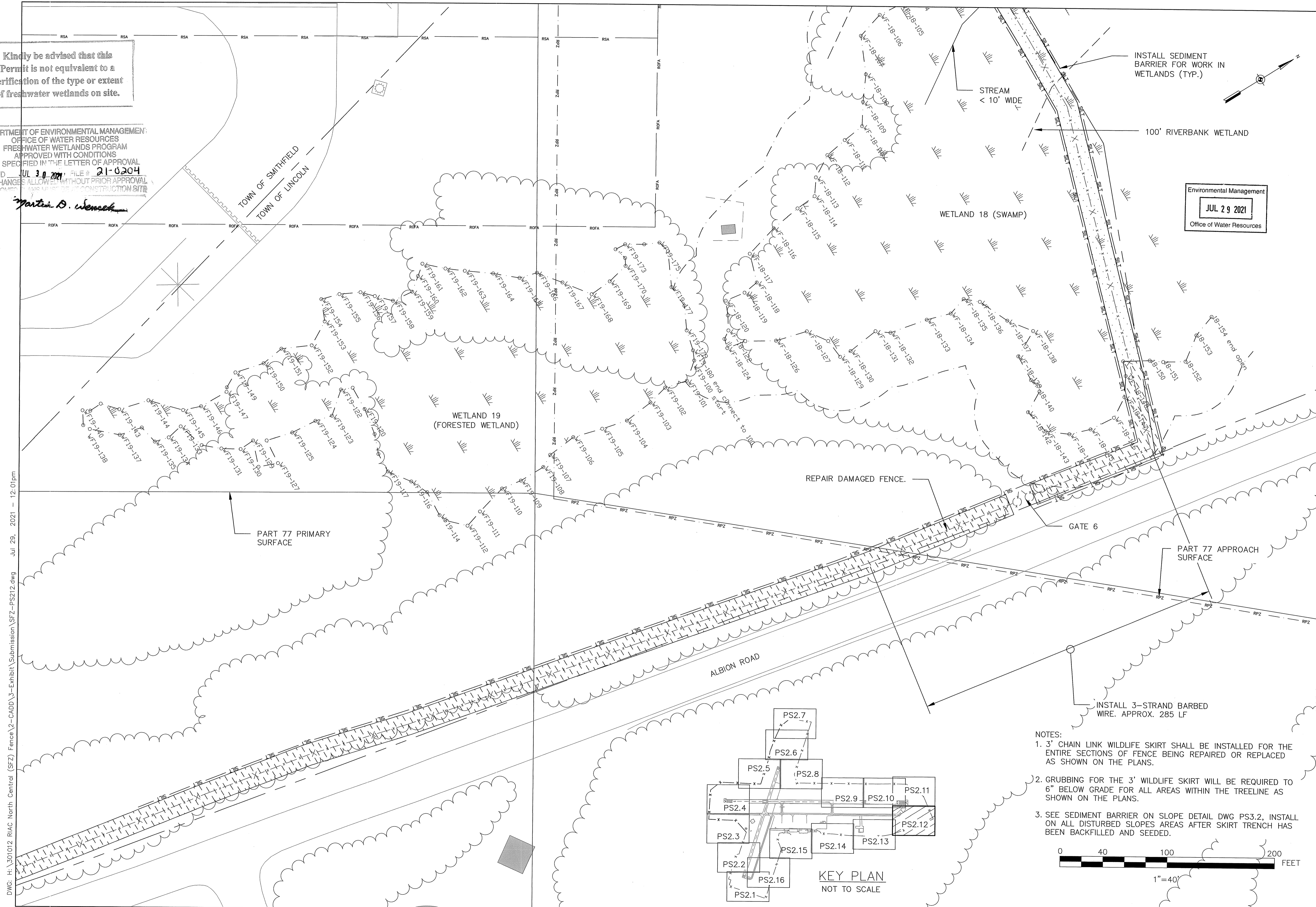
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Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATE: JUL 30 2021 FILE # 21-0204  
CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
DRAWN BY: C.M. CHECKED BY: NEG

*Mark D. Wenzel*

Dwg. H:\301012 RIAC North Central (SFZ) Fence\_2-CAAD\_3-Exhibit Submission SFZ-PS212.dwg Jul 29, 2021 - 12:01pm



Environmental Management  
JUL 29 2021  
Office of Water Resources

INSTALL SEDIMENT BARRIER FOR WORK IN WETLANDS (TYP.)

STREAM < 10' WIDE

100' RIVERBANK WETLAND

WETLAND 18 (SWAMP)

WETLAND 19 (FORESTED WETLAND)

PART 77 PRIMARY SURFACE

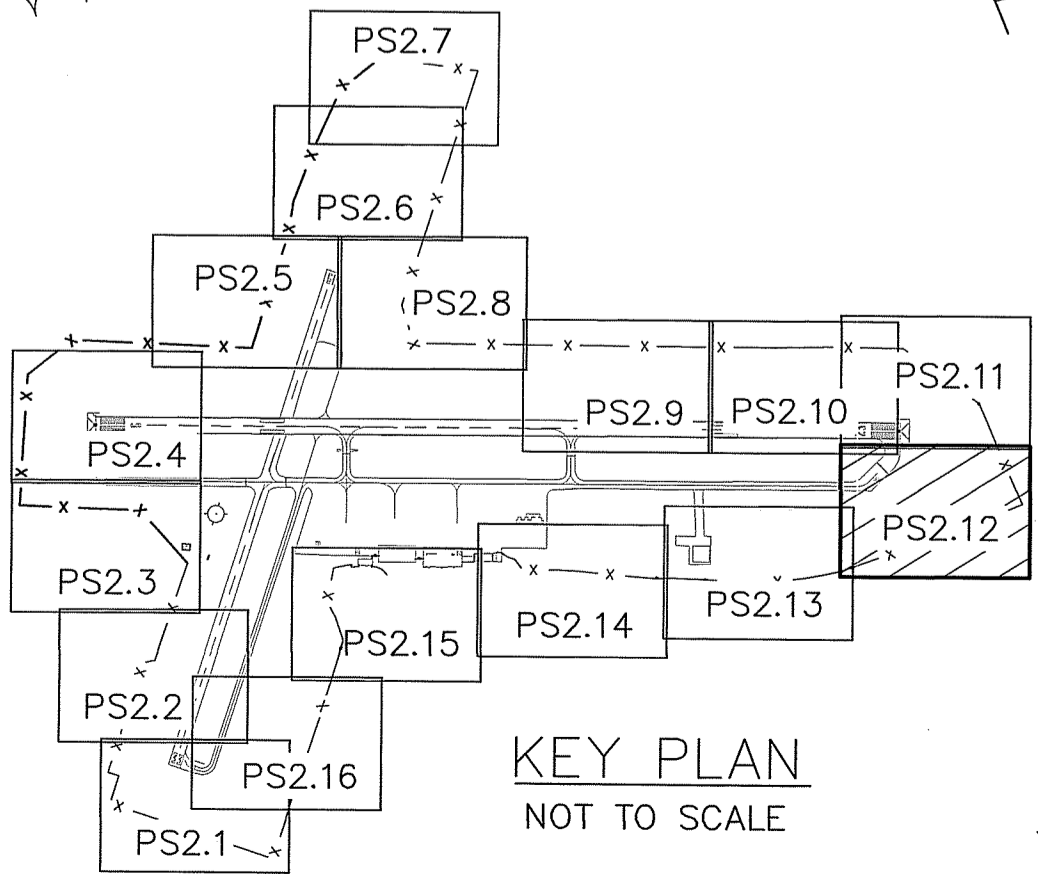
PART 77 APPROACH SURFACE

REPAIR DAMAGED FENCE.

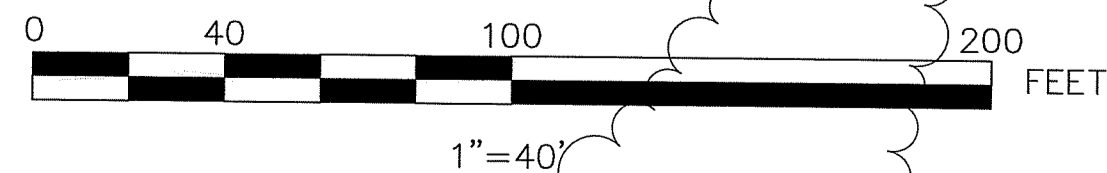
GATE 6

ALBION ROAD

INSTALL 3-STRAND BARBED WIRE. APPROX. 285 LF



- NOTES:
- 3' CHAIN LINK WILDLIFE SKIRT SHALL BE INSTALLED FOR THE ENTIRE SECTIONS OF FENCE BEING REPAIRED OR REPLACED AS SHOWN ON THE PLANS.
  - GRUBBING FOR THE 3' WILDLIFE SKIRT WILL BE REQUIRED TO 6" BELOW GRADE FOR ALL AREAS WITHIN THE TREELINE AS SHOWN ON THE PLANS.
  - SEE SEDIMENT BARRIER ON SLOPE DETAIL DWG PS3.2, INSTALL ON ALL DISTURBED SLOPES AREAS AFTER SKIRT TRENCH HAS BEEN BACKFILLED AND SEEDED.



ENGINEER'S SEAL  
Nils Gonzalez  
No. 8796  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL

Rhode Island Airport Corporation  
NORTH CENTRAL STATE AIRPORT  
300 JENCKES HILL RD  
SMITHFIELD, RI 02917  
SMITHFIELD: 45-047, 45-050,  
48-044B, 48-044, AND 48-047  
LINCOLN: 28-006

PROJECT DESIGNER  
**Hoyle Tanner**  
Associates, Inc.  
100 Dow Street  
Providence, RI 02903-2277  
Tel: 401-859-2555  
Fax: 401-859-4868  
Web Page: www.hoyletanner.com

NORTH CENTRAL STATE AIRPORT  
WILDLIFE FENCE INSTALLATION AND REPAIR  
**WETLAND IMPACTS**  
SHEET 12 OF 16

REVISIONS	DESCRIPTION	DATE	BY

PROJ. No.: 301012  
FILE: SFZ-PS203  
AIP No.: 3-44-0004-XXX-2021

DRAWING NO.  
**PS2.12**  
SHEET 13 OF 20

CHECKED BY: NEG  
DRAWN BY: C.M.

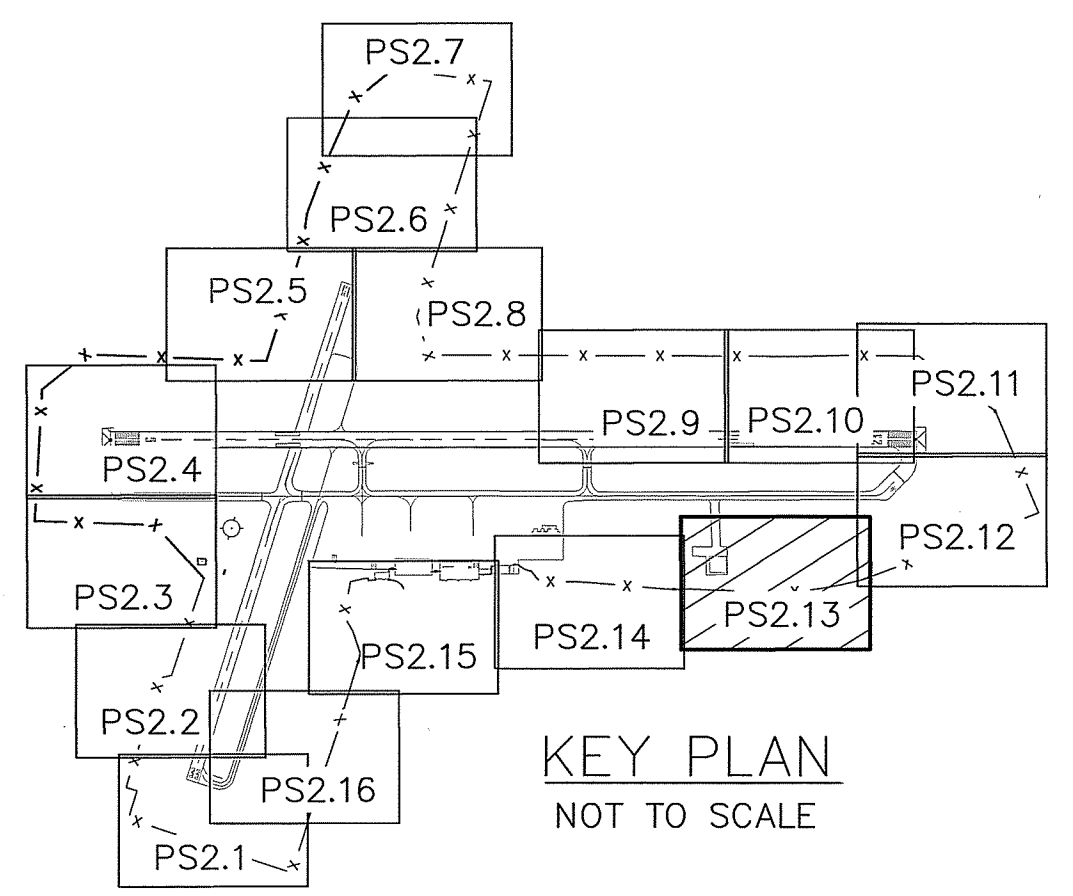
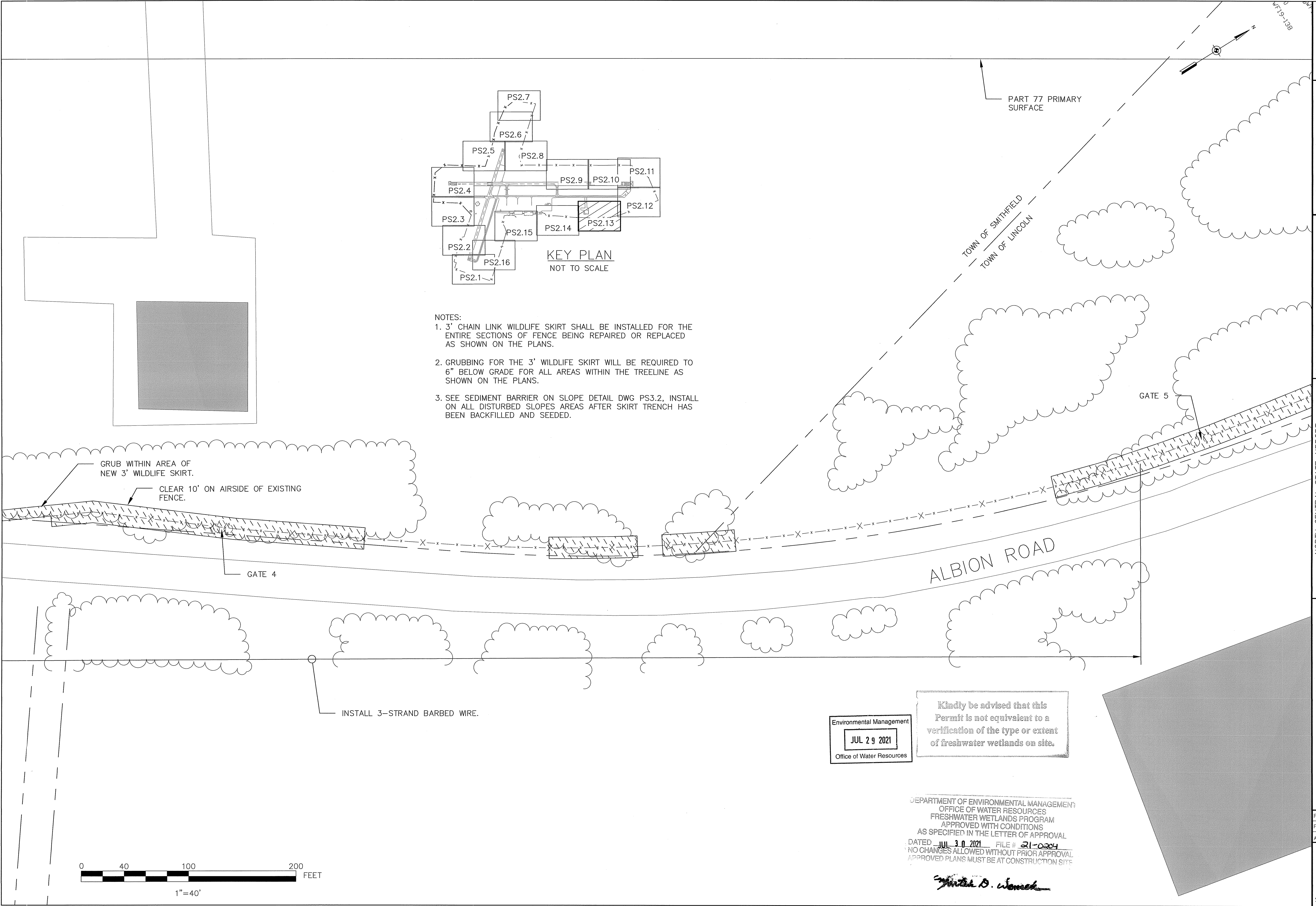
DESIGNED BY: C.M.

DATE: JULY 2021

SCALE: 1" = 40'

PERMITTING DOCUMENTS  
7/1/21  
NEG

DWG: H:\301012 RIAC North Central (SFZ) Fence\2-CADD\3-Exhibit\Submission\SFZ-PS213.dwg Jul 29, 2021 12:03pm



- NOTES:
- 3' CHAIN LINK WILDLIFE SKIRT SHALL BE INSTALLED FOR THE ENTIRE SECTIONS OF FENCE BEING REPAIRED OR REPLACED AS SHOWN ON THE PLANS.
  - GRUBBING FOR THE 3' WILDLIFE SKIRT WILL BE REQUIRED TO 6" BELOW GRADE FOR ALL AREAS WITHIN THE TREELINE AS SHOWN ON THE PLANS.
  - SEE SEDIMENT BARRIER ON SLOPE DETAIL DWG PS3.2, INSTALL ON ALL DISTURBED SLOPES AREAS AFTER SKIRT TRENCH HAS BEEN BACKFILLED AND SEEDDED.

GRUB WITHIN AREA OF NEW 3' WILDLIFE SKIRT.  
 CLEAR 10' ON AIRSIDE OF EXISTING FENCE.

GATE 4

GATE 5

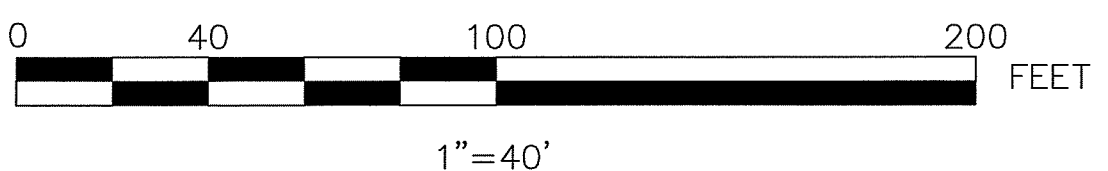
INSTALL 3-STRAND BARBED WIRE.

Environmental Management  
**JUL 29 2021**  
 Office of Water Resources

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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED JUL 30 2021 FILE # 21-0304  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Michael D. Womack*



ENGINEER'S SEAL  
 NILS GONZALEZ  
 No. 8796  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL 7/1/2021

Rhode Island Airport Corporation  
 NORTH CENTRAL STATE AIRPORT  
 300 JENCKES HILL RD  
 SMITHFIELD, RI 02917  
 SMITHFIELD: 45-047, 45-050, 48-044, 48-047  
 LINCOLN: 28-008

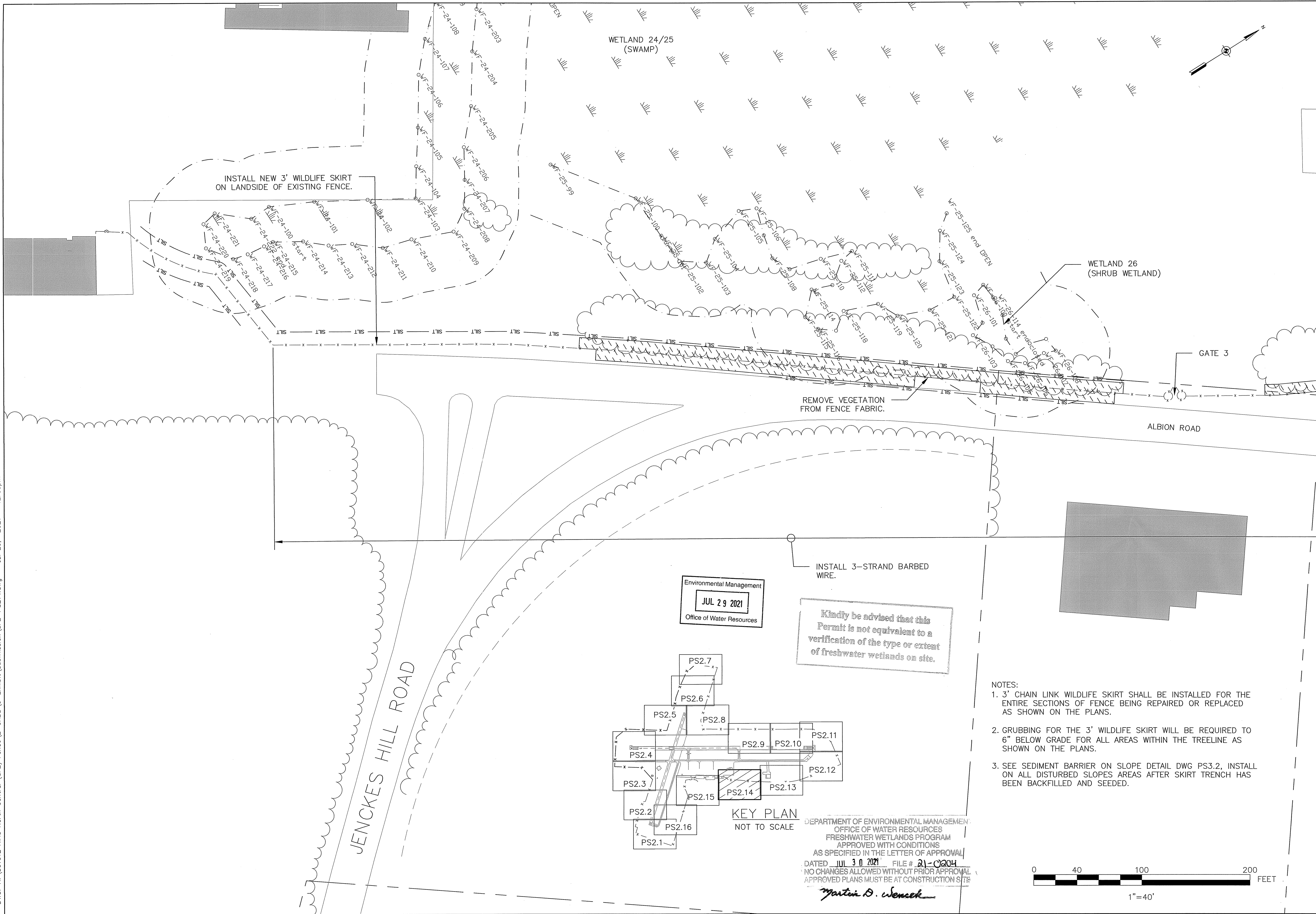
PROJECT DESIGNER  
**Hoyle, Tanner & Associates, Inc.**  
 95 Dow Street  
 Pawtucket, RI 02861-3227  
 Tel: 401-949-8835  
 Fax: 401-949-8836  
 Web: <http://www.hoyletanner.com>  
 Hoyle, Tanner & Associates © 2021

NORTH CENTRAL STATE AIRPORT  
 WILDLIFE FENCE INSTALLATION AND REPAIR  
 WETLAND IMPACTS  
 SHEET 13 OF 16  
 SCALE: 1" = 40'  
 DATE: JULY 2021

REV. NO.	DATE	DESCRIPTION	BY
1	7/1/21	PERMITTING DOCUMENTS	NEG

PROJ. No.: 301012  
 FILE: SFZ-PS203  
 AIP No.: 3-44-0004-XXX-2021  
 DRAWING NO.  
**PS2.13**  
 SHEET 14 OF 20

DWG. H:\301012\_RIAC North Central (SFZ) Fence\2-CADD\3-Exhibit\Submission\SFZ-PS214.dwg Jul 29, 2021 12:05pm



ENGINEER'S SEAL  
Nils Gonzalez  
No. 8796  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL 7/1/21

Rhode Island Airport Corporation  
NORTH CENTRAL STATE AIRPORT  
300 JENCKES HILL RD  
SMITHFIELD, RI 02917  
SMITHFIELD: 45-047, 45-050,  
48-044B, 48-044, AND 48-047  
LINCOLN: 28-006  
DRAWN BY: C.M.  
CHECKED BY: NEG

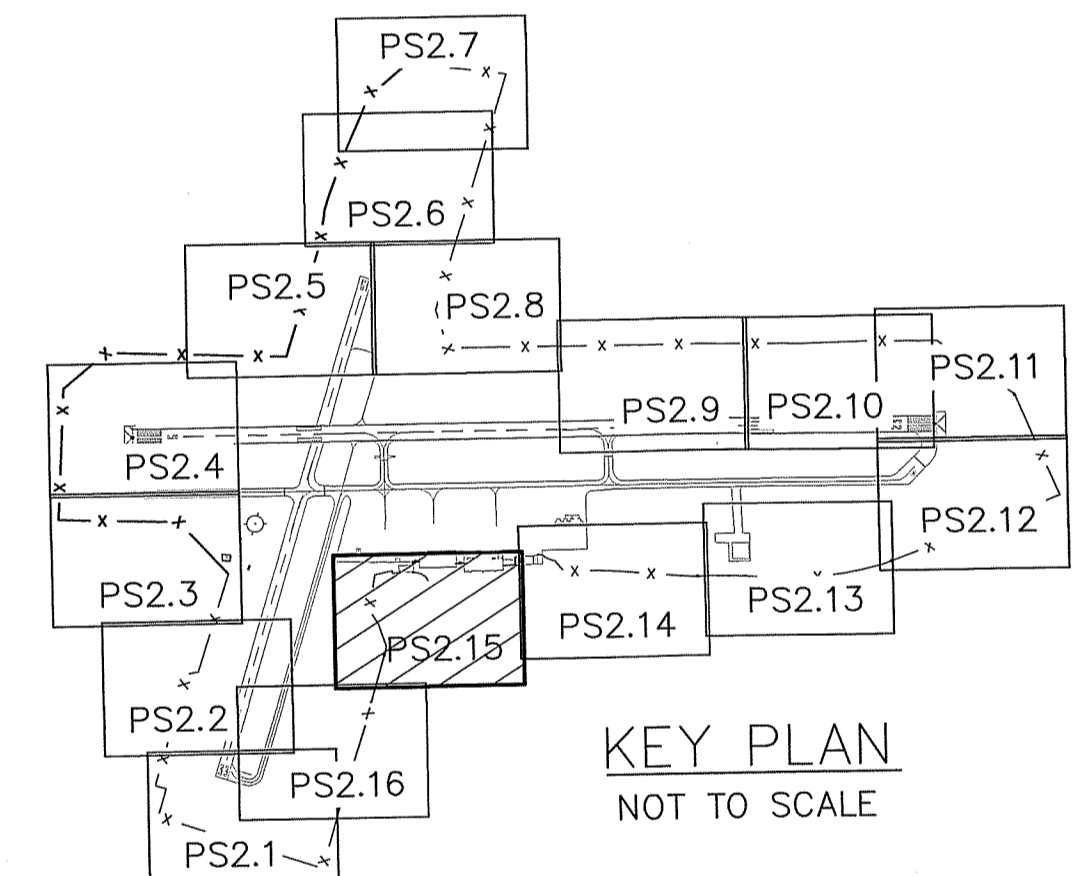
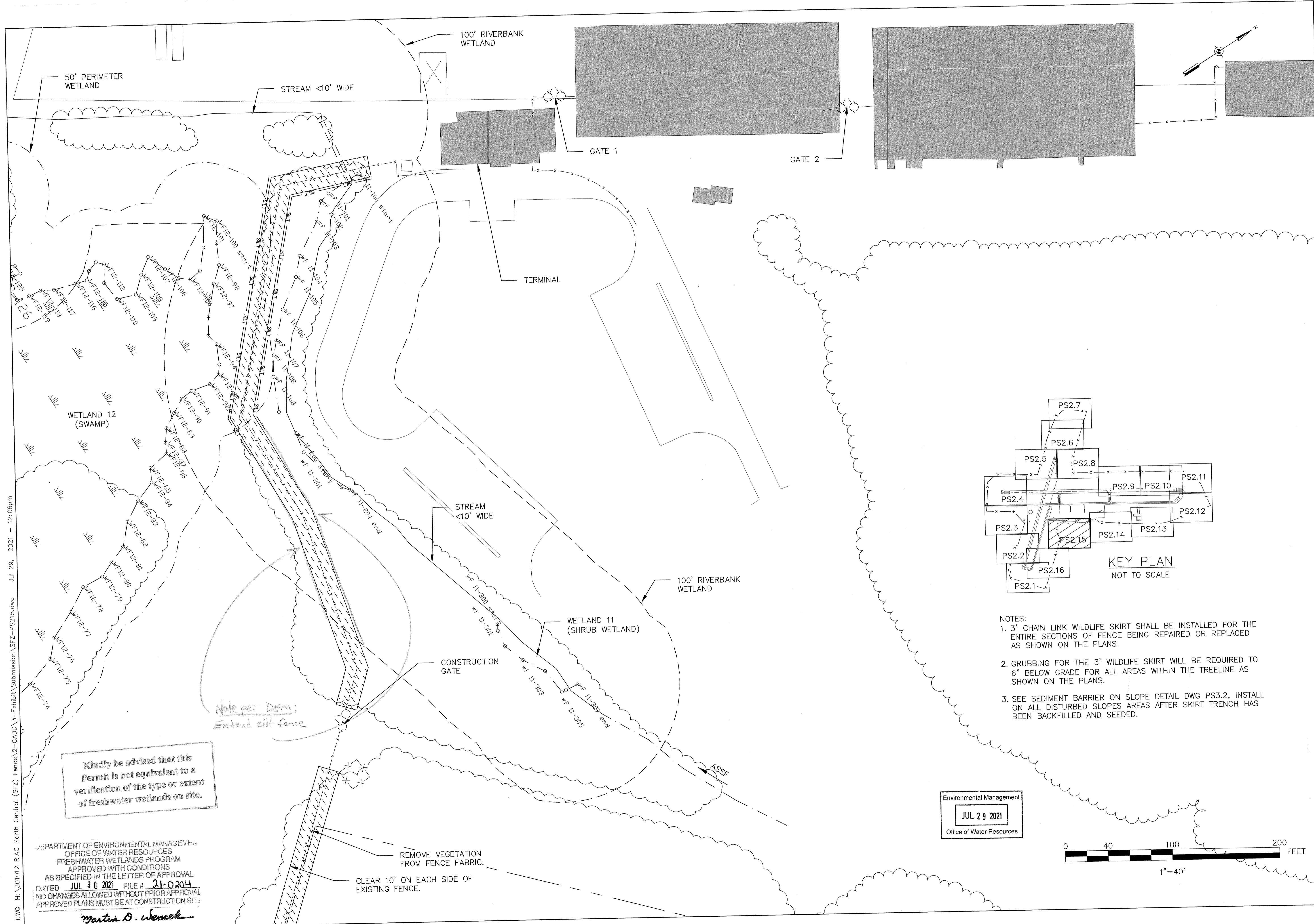
PROJECT DESIGNER  
Hoyle, Tanner & Associates, Inc.  
150 Dow Street  
Tel: 603-669-2277  
Fax: 603-669-1858  
Web Page: www.hoyletanner.com  
Hoyle, Tanner & Associates © 2021  
DESIGNED BY: C.M.  
DRAWN BY: C.M.  
CHECKED BY: NEG

NORTH CENTRAL STATE AIRPORT  
WILDLIFE FENCE INSTALLATION AND REPAIR  
WETLAND IMPACTS  
SHEET 14 OF 16  
SCALE: 1" = 40'  
DATE: JULY 2021

REV. NO.	DATE	DESCRIPTION	BY	NEG

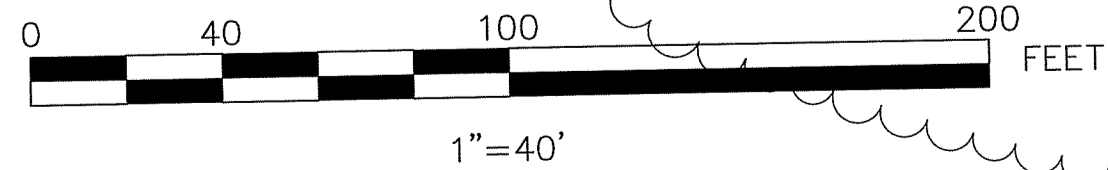
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DO NOT SCALE DRAWING  
7/1/21

PROJ. No.: 301012  
FILE: SFZ-PS203  
AIP No.: 3-44-0004-XXX-2021  
DRAWING NO.  
**PS2.14**  
SHEET 15 OF 20



- NOTES:
1. 3' CHAIN LINK WILDLIFE SKIRT SHALL BE INSTALLED FOR THE ENTIRE SECTIONS OF FENCE BEING REPAIRED OR REPLACED AS SHOWN ON THE PLANS.
  2. GRUBBING FOR THE 3' WILDLIFE SKIRT WILL BE REQUIRED TO 6" BELOW GRADE FOR ALL AREAS WITHIN THE TREELINE AS SHOWN ON THE PLANS.
  3. SEE SEDIMENT BARRIER ON SLOPE DETAIL DWG PS3.2, INSTALL ON ALL DISTURBED SLOPES AREAS AFTER SKIRT TRENCH HAS BEEN BACKFILLED AND SEEDED.

Environmental Management  
**JUL 29 2021**  
 Office of Water Resources



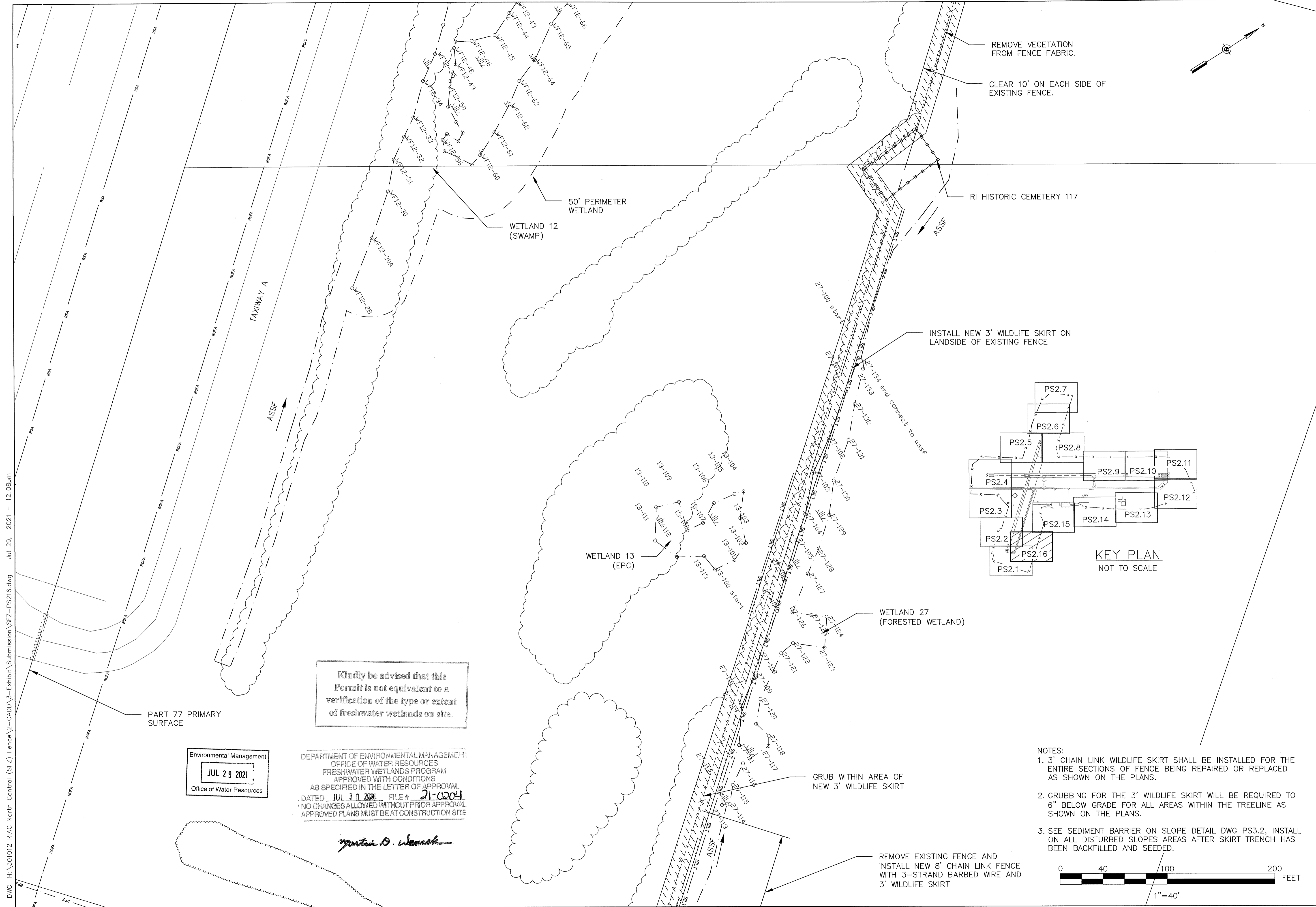
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED **JUL 30 2021** FILE # **21-0204**  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Martin D. Weneck*

Rhode Island Airport Corporation NORTH CENTRAL STATE AIRPORT 300 JENCKE RD SMITHFIELD, RI 02917 48-044B, 48-044, AND 48-047 LINCOLN: 28-006	
DESIGNED BY	CJM
CHECKED BY	NEG
PROJECT DESIGNER <b>Hoyle Tanner</b> Associates, Inc.	
100 Dow Street Pawtucket, RI 02861 Tel: 401-942-3333 Fax: 401-942-3335 Web Page: www.hoyletanner.com	
NORTH CENTRAL STATE AIRPORT WILDLIFE FENCE INSTALLATION AND REPAIR WETLAND IMPACTS SHEET 15 OF 16	
DATE:	JULY 2021
SCALE:	1" = 40'
BY	NEG
DESCRIPTION	PERMITTING DOCUMENTS <small>DO NOT SCALE DRAWING</small>
REV. NO.	7/1/21
DATE	
PROJ. No.:	301012
FILE:	SFZ-PS203
AIP No.:	3-44-0004-XXX-2021
DRAWING NO.	
<b>PS2.15</b>	
SHEET 16 OF 20	

DWC: H:\301012 RIAC North Central (SFZ) Fence\2-CADD\3-Exhibit\Submission\SFZ-PS215.dwg Jul 29, 2021 - 12:06pm



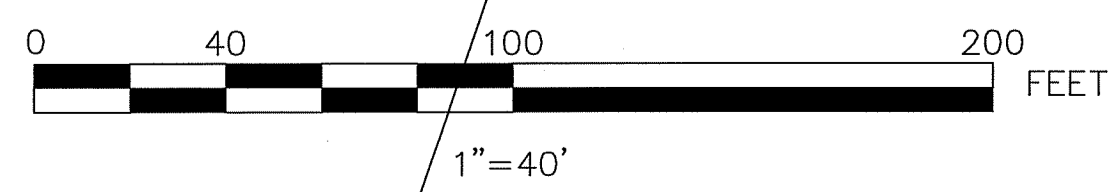
Kindly be advised that this Permit is not equivalent to a verification of the type or extent of freshwater wetlands on site.

Environmental Management  
**JUL 29 2021**  
 Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
 OFFICE OF WATER RESOURCES  
 FRESHWATER WETLANDS PROGRAM  
 APPROVED WITH CONDITIONS  
 AS SPECIFIED IN THE LETTER OF APPROVAL  
 DATED JUL 30 2021 FILE # 21-0204  
 NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
 APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Martin D. Wenczek*

- NOTES:
- 3' CHAIN LINK WILDLIFE SKIRT SHALL BE INSTALLED FOR THE ENTIRE SECTIONS OF FENCE BEING REPAIRED OR REPLACED AS SHOWN ON THE PLANS.
  - GRUBBING FOR THE 3' WILDLIFE SKIRT WILL BE REQUIRED TO 6" BELOW GRADE FOR ALL AREAS WITHIN THE TREELINE AS SHOWN ON THE PLANS.
  - SEE SEDIMENT BARRIER ON SLOPE DETAIL DWG PS3.2, INSTALL ON ALL DISTURBED SLOPE AREAS AFTER SKIRT TRENCH HAS BEEN BACKFILLED AND SEEDDED.



**ENGINEER'S SEAL**  
 NILS GONZALEZ  
 No. 8796  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL 7/12/21

Rhode Island Airport Corporation  
 NORTH CENTRAL STATE AIRPORT  
 300 JENCKES HILL RD  
 SMITHFIELD, RI 02917  
 SMITHFIELD: 45-047, 45-050,  
 48-044B, 48-044, AND 48-047  
 LINCOLN: 28-006  
 DRAWN BY: CJM  
 CHECKED BY: NEG

PROJECT DESIGNER  
**Hoyle, Tanner & Associates, Inc.**  
 20 Dow Street  
 Smithfield, RI 02917  
 Tel: 401-669-4555  
 Fax: 401-669-4188  
 Web Page: www.hoyletanner.com  
 Hoyle, Tanner & Associates © 2021  
 DESIGNED BY: CJM

NORTH CENTRAL STATE AIRPORT  
 WILDLIFE FENCE INSTALLATION AND REPAIR  
 WETLAND IMPACTS  
 SHEET 16 OF 16  
 SCALE: 1" = 40'  
 DATE: JULY 2021

REVISIONS	DESCRIPTION	DATE	BY

PERMITTING DOCUMENTS	NEG
DO NOT SCALE DRAWING	7/1/21

PROJ. No.: 301012  
 FILE: SFZ-PS203  
 AP No.: 3-44-0004-XXX-2021  
 DRAWING NO.  
**PS2.16**  
 SHEET 17 OF 20

DWG. H: \301012\_RIAC\_North\_Central\_SFZ\Fence\2-CADD\3-Exhibit\Submission\SFZ-PS216.dwg Jul 29, 2021 - 12:08pm

**EROSION CONTROL NOTES**

- ALL EARTHWORK SHALL BE CONFINED TO THE LIMITS OF WORK AS SHOWN ON CONTRACT DRAWINGS.
- SILT FENCES OR OTHER SEDIMENT BARRIERS SHALL BE INSTALLED WHERE SHOWN ON THE PLANS, ON THE DOWNHILL SIDE OF STOCKPILES OF TOPSOIL AND OTHER SOIL MATERIALS AND IN OTHER LOCATIONS AS DIRECTED BY THE RESIDENT PROJECT REPRESENTATIVE, TO PREVENT SILT AND SEDIMENTATION FROM ENTERING EXISTING DRAINAGE CHANNELS. SILT FENCE SHALL BE IN PLACE AND APPROVED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES.
- SOIL STABILIZATION OF DISTURBED AREAS MUST, AT A MINIMUM, BE INITIATED IMMEDIATELY WHENEVER ANY CLEARING, GRADING, EXCAVATING OR OTHER EARTH DISTURBANCE ACTIVITIES HAVE PERMANENTLY CEASED ON ANY PORTION OF THE SITE, OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING FOURTEEN (14) CALENDAR DAYS.
- DUST CONTROL: ALL VEHICLE TRAFFIC AREAS AND EXPOSED SURFACES SHALL BE MOISTENED PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST.
- SLOPE STABILITY: ALL SLOPES SHALL BE INSPECTED FREQUENTLY FOR SIGNS OF FAILURE, SLIPPING, AND/OR EROSION. ANY DAMAGE SHALL BE REPAIRED IMMEDIATELY.
- CONTRACTOR EROSION CONTROL MEASURES ARE NOT LIMITED TO THOSE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PERFORM ANY AND ALL ADDITIONAL MEASURES TO CONTROL EROSION.

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DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED **JUL 30 2021** FILE # **21-0204**  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
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*Martin D. Wenech*

**TOPSOIL AND SEEDING**

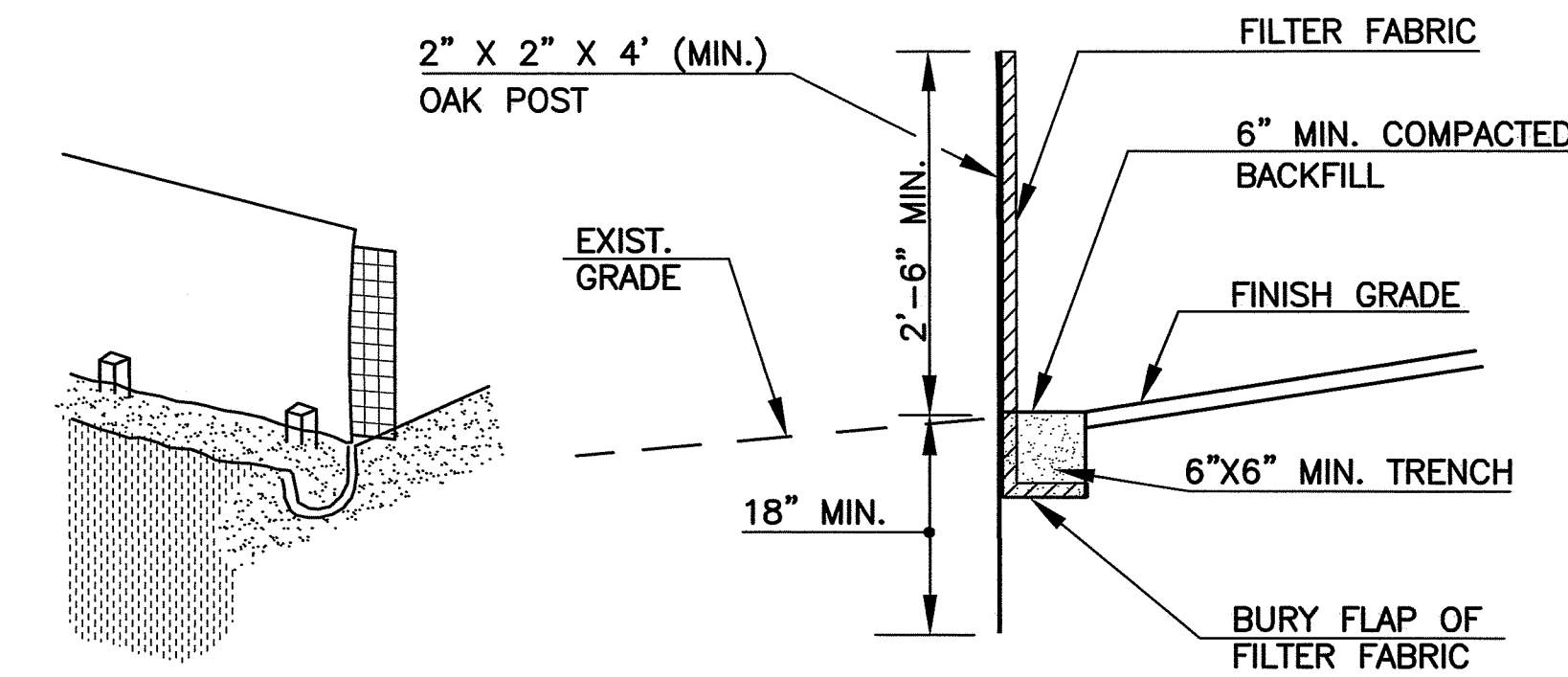
- TOPSOIL:**  
TOPSOIL REMOVED DURING EXCAVATION FOR WILDLIFE SKIRT WILL BE STOCKPILED TO THE SIDE AND THEN PUT BACK ON TOP OF THE WILDLIFE SKIRT.
- USE PERMANENT SEED MIXES AND RATES BETWEEN 5/15 AND 9/30. USE TEMPORARY SEED MIXES FOR PERIODS LESS THAN 12 MONTHS. IF USING TEMPORARY SEED MIXES BETWEEN 10/01 AND 5/15, RE-SEED WITH PERMANENT SEED MIX AFTER 5/15.
- UPLAND SEEDING:**  
USE COLD SEASON/ENDOPHYTE ENHANCED GRASSES SIMILAR TO THE FOLLOWING VARIETIES:  
AMBROSE CHEWINGS FESCUE, VIKING H20 HARD FESCUE, AND TOP GUN PERENNIAL RYEGRASS, OR AS APPROVED BY THE ENGINEER.
- WETLAND SEED:**  
NATIVE WETLAND SEED MIX, USDA HARDINESS ZONE 6B.
- TEMPORARY SEED:**  
TEMPORARY SEEDING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 4 OF THE "RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK".

KIND OF SEED	LBS PER ACRE	SEEDING DEPTH	RECOMMENDED SEEDING DATES	REMARKS
WINTER RYE	120	1-1.5 IN	4/15-7/1 8/15-10/15	GOOD FOR FALL SEEDING. SELECT A HARDY SPECIES, SUCH AS AROOSTOOK RYE.
OATS	86	1-1.5 IN	3/1-6/15 8/1-10/1	EARLY FALL SEEDING WILL DIE WHEN WINTER WEATHER MOVES IN, BUT MULCH WILL PROVIDE PROTECTION.
ANNUAL RYEGRASS	40	.25 IN	3/1-6/15 8/1-10/15	GROWS QUICKLY BUT IS OF SHORT DURATION. USE WHERE APPEARANCE IS IMPORTANT. WITH MULCH, SEEDING MAY BE DONE THROUGHOUT GROWING SEASON.
SUDANGRASS	30	.5-1 IN	5/15-8/1	GOOD GROWTH DURING HOT SUMMER PERIODS.
PERENNIAL RYEGRASS	40	.25 IN	3/15-7/1 8/1-10/15	GOOD COVER, LONGER LASTING THAN ANNUAL RYEGRASS. MULCHING WILL ALLOW SEEDING THROUGHOUT GROWING SEASON.

- LIME AND FERTILIZER:**  
APPLY LIME AND FERTILIZER AT THE RATES SPECIFIED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.  
LIME OR FERTILIZER SHALL NOT BE USED IN WETLANDS
- MULCH:**  
MULCH AND EROSION CONTROL MATTING SHALL BE AS SPECIFIED IN THE RHODE ISLAND SOIL EROSION AND SEDIMENT CONTROL HANDBOOK.  
  

STRAW OR HAY (ANCHORED)	70 - 90 LBS	PROTECTED AREAS
STRAW OR HAY (ANCHORED)	185 - 275 LBS	WINDY AREAS
SHREDDED OR CHOPPED	185 - 275 LBS	MODERATE TO HIGH VELOCITY
EROSION CONTROL BLANKET	AS REQUIRED	AREAS AND SLOPES STEEPER THAN 3:1

  
 MULCH SHALL NOT BE USED IN WETLANDS

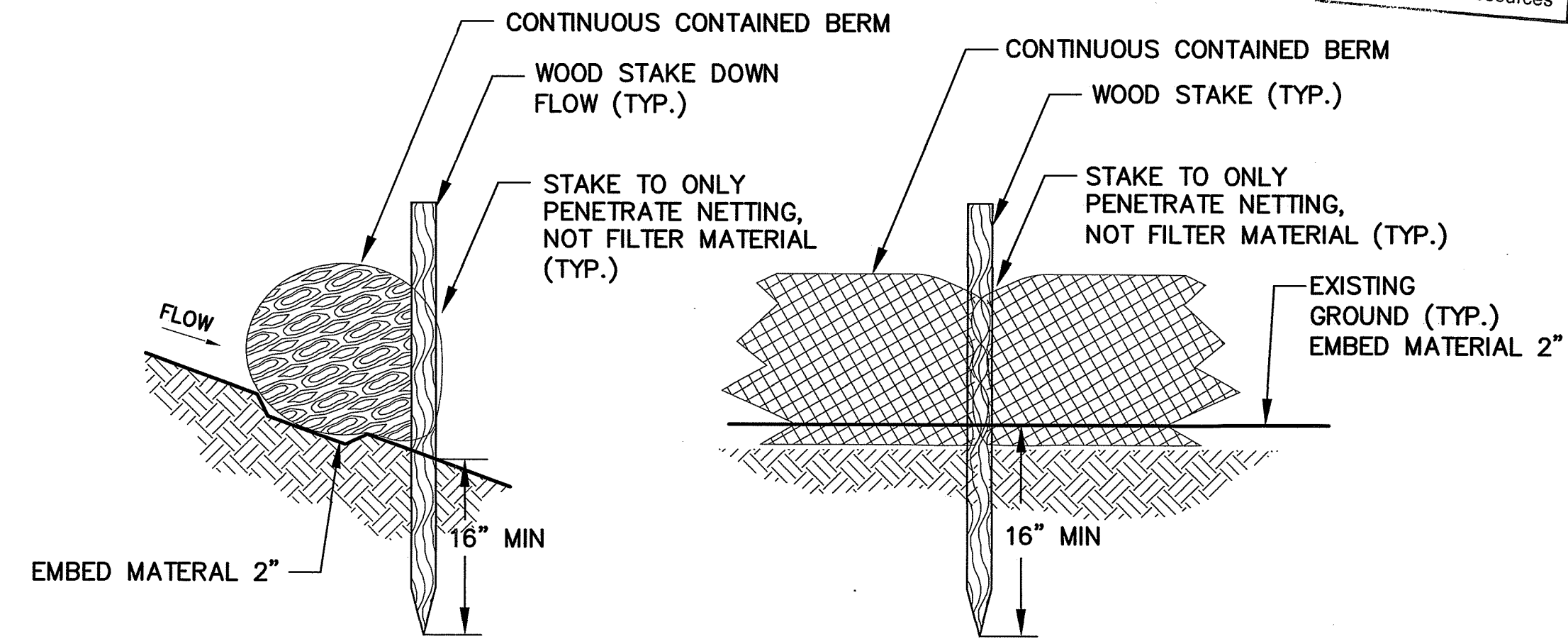


- NOTE:
- SPACING OF WOOD FENCE POST NOT TO EXCEED 6'-0".
  - SILT FENCE SHALL BE INSTALLED BEFORE ANY EARTH REMOVAL OR EXCAVATION TAKES PLACE.
  - SILT FENCE SHALL BE INSPECTED WEEKLY OR AFTER A RAIN EVENT THAT EXCEEDS 1/4" IN 24 HOURS. ANY SEDIMENT ACCUMULATED HIGHER THAN 1 FOOT ABOVE EXISTING GRADE SHALL BE REMOVED, ANY DAMAGED SECTIONS SHALL BE REPAIRED OR REPLACED.

**SILT FENCE SEDIMENT BARRIER DETAIL**

NOT TO SCALE

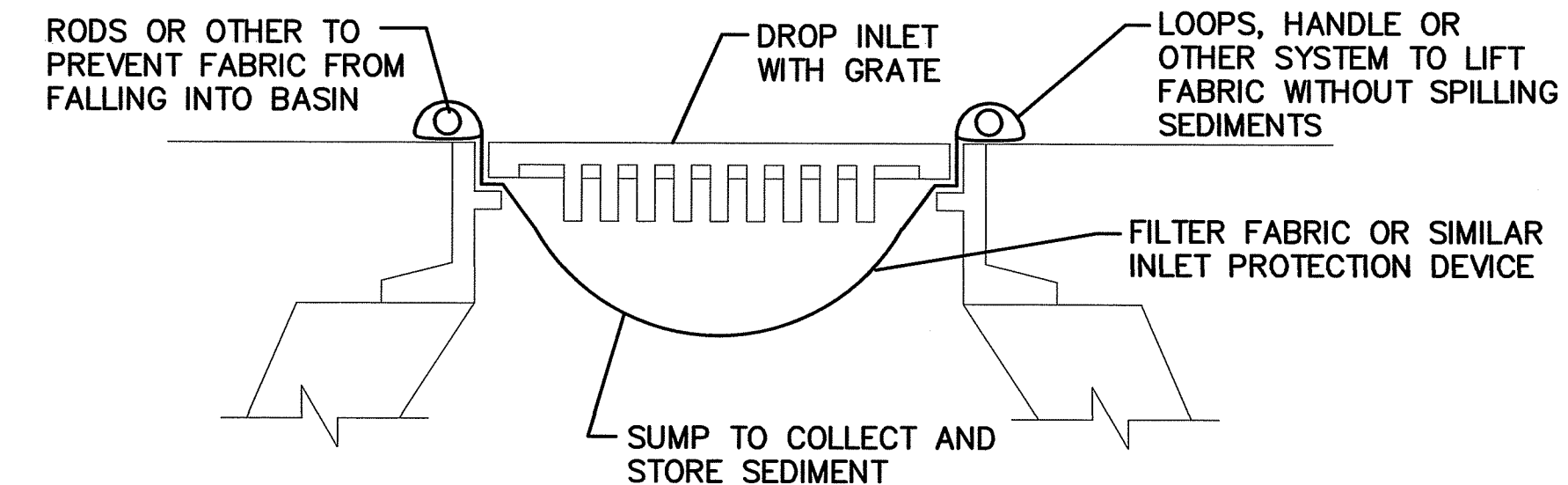
Environmental Management  
**JUL 29 2021**  
Office of Water Resources



- NOTE:  
CONTINUOUS CONTAINED BERMS CONSIST OF A SYNTHETIC TUBULAR NETTING FILLED WITH EROSION CONTROL MIX OR OTHER FILTER MATERIAL AND SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTION.

**CONTINUOUS CONTAINED BERM SEDIMENT BARRIER DETAIL**

NOT TO SCALE



- MAINTENANCE:**  
CONTRACTOR TO CLEAN AFTER EVERY STORM. IF THE BARRIER BECOMES CLOGGED WITH SEDIMENT SO THAT IT NO LONGER ADEQUATELY PASSES FILTERED WATER, THE SEDIMENT SHALL BE REMOVED AND THE BARRIER SHALL BE REPLACED. REMOVED SEDIMENT SHALL BE DEPOSITED IN A SUITABLE AREA AND IN SUCH A MANNER THAT IT WILL NOT ERODE.

THE DEVICE SHALL BE REMOVED WHEN THE DRAINAGE AREA HAS BEEN ADEQUATELY STABILIZED.

**FILTER FABRIC INLET PROTECTION FOR CATCH BASINS IN PAVEMENT**

NOT TO SCALE

ENGINEER'S SEAL  
NLS GONZALEZ  
No. 8796  
REGISTERED PROFESSIONAL ENGINEER CIVIL 7/11/21

Rhode Island Airport Corporation  
NORTH CENTRAL STATE AIRPORT  
300 WELLS RD  
SMITHFIELD, RI 02917  
SMITHFIELD: 45-047, 45-050  
48-044B, 48-044, AND 48-047  
48-044B LINCOLN: 28-006  
DRAWN BY: C/M  
CHECKED BY: NEG

PROJECT DESIGNER  
**Hoyle, Tanner & Associates, Inc.**  
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Web Page: www.hoyletanner.com  
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DESIGNED BY: C/M

NORTH CENTRAL STATE AIRPORT  
WILDLIFE FENCE INSTALLATION AND REPAIR  
**EROSION CONTROL NOTES AND DETAILS 1 OF 2**  
DATE: JULY 2021  
SCALE: NOT TO SCALE

REV. NO.	DATE	DESCRIPTION	BY

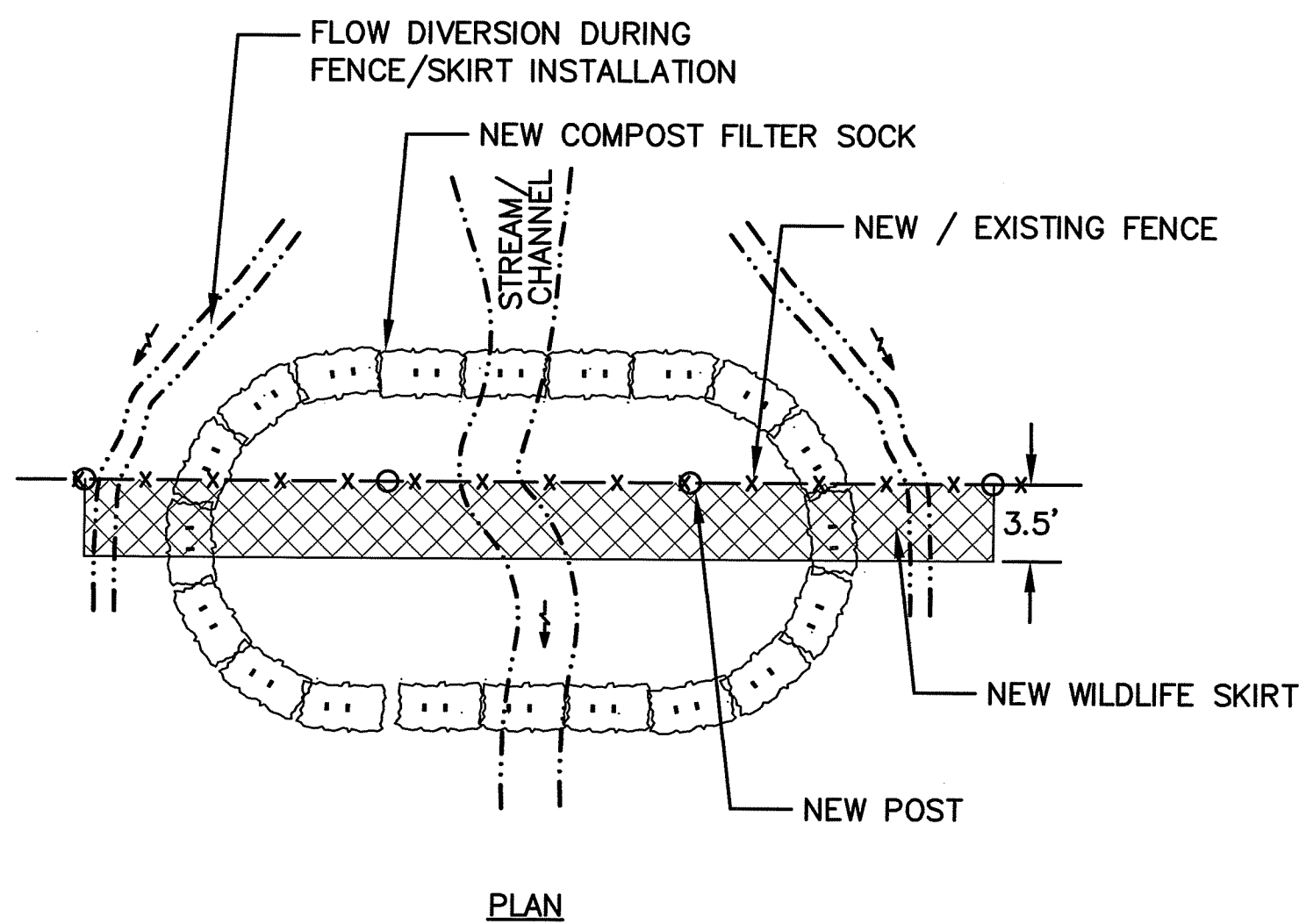
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7/1/21

PROJ. No.: 301012  
FILE: SFZ-PS301  
AIP No.: 3-44-0004-XXX-2021

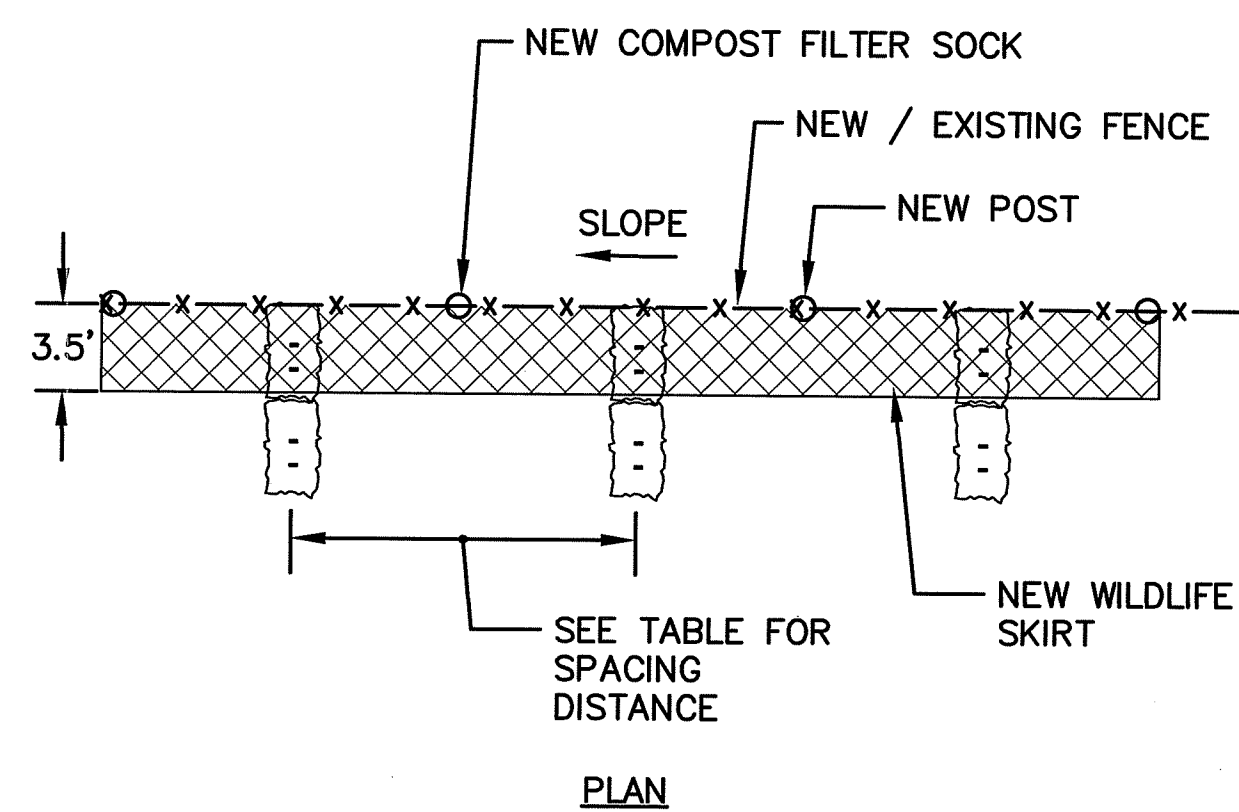
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**PS3.1**

**INSTALLATION SEQUENCE:**

1. INSTALL FENCE AND/OR SKIRT TO WITHIN 10 FEET OF STREAM
2. ENCIRCLE STREAM CROSSING WITH SEDIMENT BARRIER TO DIVERT STREAM WATER FLOW AROUND WORK AREA
3. INSTALL FENCE AND/OR SKIRT ACROSS STREAM
4. REMOVE SEDIMENT BARRIER
5. CONTINUE FENCE AND/OR SKIRT INSTALLATION BEYOND STREAM



**EROSION CONTROL AT STREAM CROSSING**  
NOT TO SCALE



**SEDIMENT BARRIER ON SLOPE**  
NOT TO SCALE

**TEMPORARY STREAM CROSSINGS**

1. STREAM CROSSINGS WILL BE AVOIDED WHENEVER POSSIBLE WITH THE EXCEPTION OF WORK TO BE DONE TO INSTALL THE FENCE OR WILDLIFE SKIRT; EQUIPMENT WILL NOT CROSS STREAMS FOR SITE ACCESS EXCEPT WHEN WORKING DIRECTLY ON THE FENCE. UPLAND ROUTES WILL BE USED WHEN SUITABLE.
2. STREAMS WILL BE CROSSED DURING LOW FLOW PERIODS ONLY, BETWEEN JULY 1 TO OCTOBER 30, OR DURING FROZEN SITE CONDITIONS WHEN WATER IS NOT FLOWING AND SOILS ARE FROZEN SUFFICIENT TO PREVENT ALTERATION BY EQUIPMENT.
3. SWAMP MATTING OR TIMBER MATS WILL NOT BE USED.
4. LOW GROUND PRESSURE (LGP) EQUIPMENT WILL BE USED TO WORK IN WETLANDS AND STREAMS WHERE NEEDED. CONTRACTOR SHALL EVALUATE FIELD CONDITIONS TO DETERMINE IF SUCH EQUIPMENT IS NEEDED. IF SITE IS DRY ENOUGH THAT WORK IN WETLANDS OR STREAM CROSSINGS WILL NOT RESULT IN SOIL RUTTING, ALTERATION OR COMPACTION IN ANY WAY, THEN LGP EQUIPMENT MAY NOT BE REQUIRED.
5. EQUIPMENT MUST ARRIVE ON SITE IN CLEAN CONDITION AND IS TO BE MAINTAINED CAREFULLY. MUD MUST BE REMOVED; THE EQUIPMENT MUST BE FREE OF LEAKS, INVASIVE SPECIES AND NOXIOUS WEEDS.
6. ALL VEHICLES AND SERVICE EQUIPMENT WILL BE WASHED OR MAINTAINED AT A DESIGNATED SITE AWAY FROM THE STREAM BED.
7. WORK DONE DURING FLOWING WATER SHALL BE AVOIDED TO THE EXTENT PRACTICABLE. CONTRACTOR SHALL EVALUATE FIELD CONDITIONS TO DETERMINE IF WORK CANNOT BE DONE IN THE DRY.
8. WHEN THERE IS FLOWING WATER IN THE STREAM, COMPOST FILTER SOCKS (CFS) WILL BE HAND INSTALLED ACROSS THE WIDTH OF THE STREAM, PERPENDICULAR TO THE FLOW, ON THE UPSTREAM AND DOWNSTREAM SIDE IMMEDIATELY INSIDE THE SILT FENCING, TO ENCIRCLE THE STREAM CROSSING WORK AREA, PRIOR TO WORKING WITHIN 10 FEET OF THE STREAM OR RIVERFRONT WETLAND AND WILL BE REMOVED IMMEDIATELY UPON COMPLETION OF WORK.

SLOPE PERCENT	DIAMETER OF COMPOST FILTER SOCK REQUIRED			
	8 INCH (200-mm)	12 INCH (300-mm)	18 INCH (450 mm)	24 INCH (600 mm)
2 OR LESS	300(90)	375 (110)	500 (150)	650 (200)
5	200 (60)	205 (75)	275 (85)	325 (100)
10	100 (30)	125 (35)	150 (45)	200 (60)
15	70 (20)	85 (25)	100 (30)	160 (50)
20	50 (15)	65 (20)	70 (20)	130 (40)
25	40 (12)	50 (15)	55 (16)	100 (30)
30	30 (9)	40 (12)	45 (13)	65 (20)
35	30 (9)	40 (12)	45 (13)	55 (18)
40	30 (9)	40 (12)	45 (13)	50 (15)
45	20 (6)	25 (8)	30 (9)	40 (12)
50	20 (6)	25 (8)	30 (9)	35 (10)

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

Environmental Management  
JUL 29 2021  
Office of Water Resources

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS  
AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JUL 30 2021 FILE # 21-0204  
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL  
APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Martin D. Semek*

**ENGINEER'S SEAL**  
NILS GONZALEZ  
No. 8796  
REGISTERED PROFESSIONAL ENGINEER  
CIVIL 711221

Rhode Island Airport Corporation  
NORTH CENTRAL STATE AIRPORT  
300 JENCKES HILL RD  
SMITHFIELD, RI 02917  
SMITHFIELD: 45-047, 45-050, 48-044B, 48-044, AND 48-047  
LINCOLN: 28-006  
DRAWN BY: C/M  
CHECKED BY: NEG

PROJECT DESIGNER  
150 Dow Street  
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Tel: 603-669-9333  
Fax: 603-669-9335  
Web Page: www.hoyletanner.com  
Project Number: 2 Associates 12-2021  
DESIGNED BY: C/M

**HOYLE, TANNER & ASSOCIATES, INC.**

NORTH CENTRAL STATE AIRPORT  
WILDLIFE FENCE INSTALLATION AND REPAIR  
EROSION CONTROL NOTES  
SHEET 2 OF 2  
SCALE: NOT TO SCALE  
DATE: JULY 2021

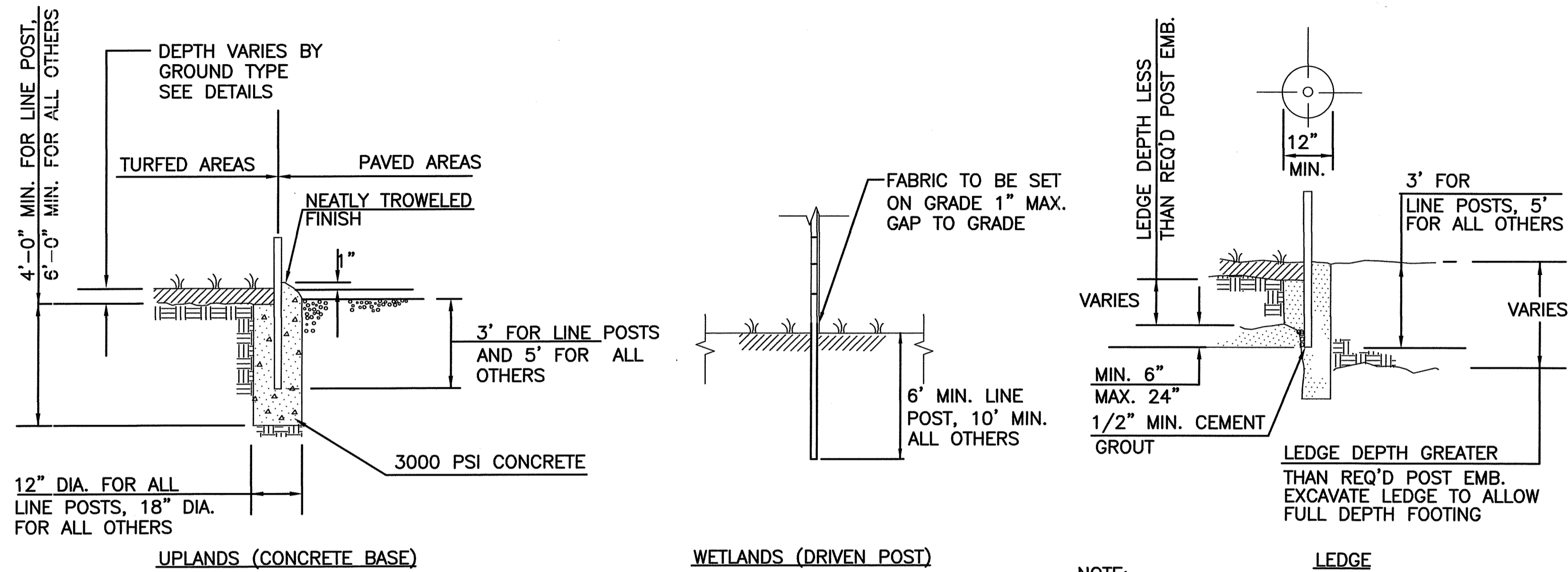
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PROJ. No.: 301012  
FILE: SFZ-PS302  
AIP No.: 3-44-0004-XXX-2021  
DRAWING NO.  
**PS3.2**  
SHEET 19 OF 20

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FENCES SHALL BE GROUNDED ON EACH SIDE OF EVERY GATE, AT POINTS 150 FEET (45.7 M) ON EACH SIDE OF HIGH-TENSION LINE CROSSINGS, AND AT 150-FOOT (47.5 M) INTERVALS ALONG THE FENCE WHERE HIGH TENSION LINES (AS DEFINED BY ANSI C2) ARE DIRECTLY OVERHEAD AND RUN PARALLEL TO THE FENCE. FENCES SHALL BE GROUNDED EVERY 500 FEET OF LENGTH WHEN FENCE ARE IN ISOLATED PLACES AND AT LESSER DISTANCES DEPENDING ON PROXIMITY OF FENCE TO PUBLIC ROADS, HIGHWAYS, AND BUILDINGS. THE GROUNDING SHALL BE ACCOMPLISHED WITH A COPPER CLAD ROD 10 FEET LONG AND A MINIMUM OF 3/4 INCH IN DIAMETER DRIVEN VERTICALLY UNTIL THE TOP IS 6 INCHES BELOW THE GROUND SURFACE. A NO. 6 SOLID COPPER CONDUCTOR SHALL BE CLAMPED TO THE ROD AND TO THE FENCE IN SUCH A MANNER THAT EACH ELEMENT OF THE FENCE IS GROUNDED.

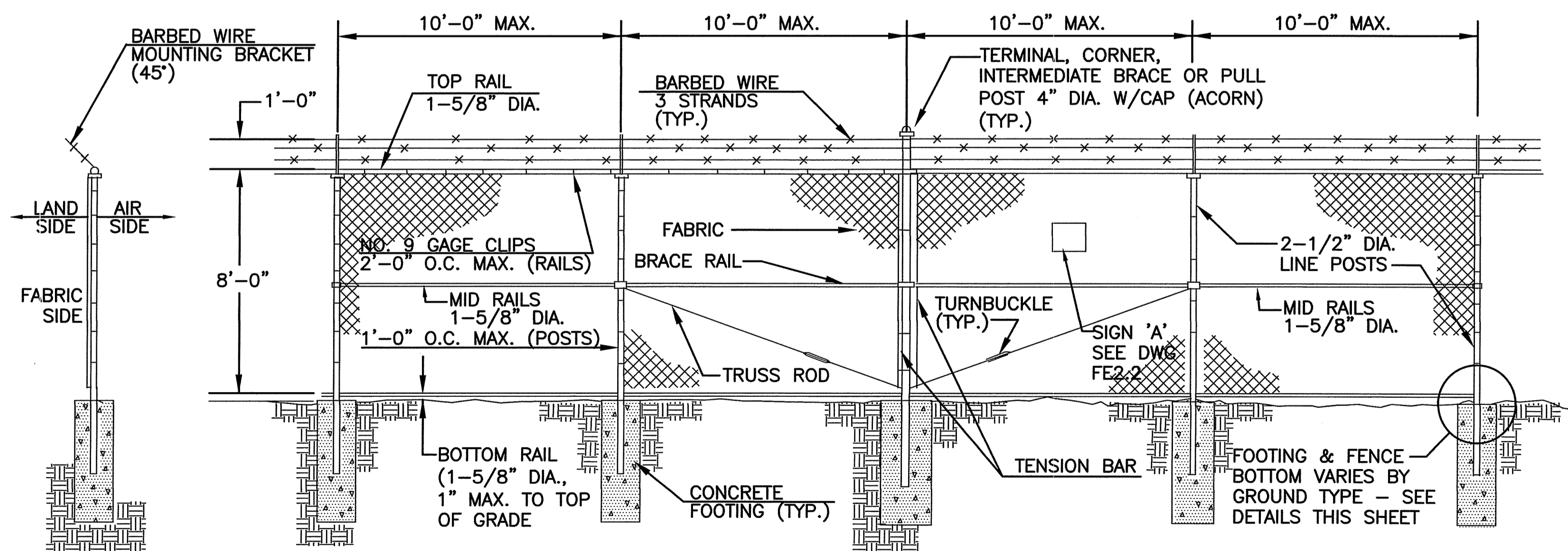


**POST SETTING DETAILS**  
NOT TO SCALE

NOTE:  
ALL POSTS SET IN LEDGE OR PAVEMENT SHALL BE INCIDENTAL TO EACH FENCE ITEM

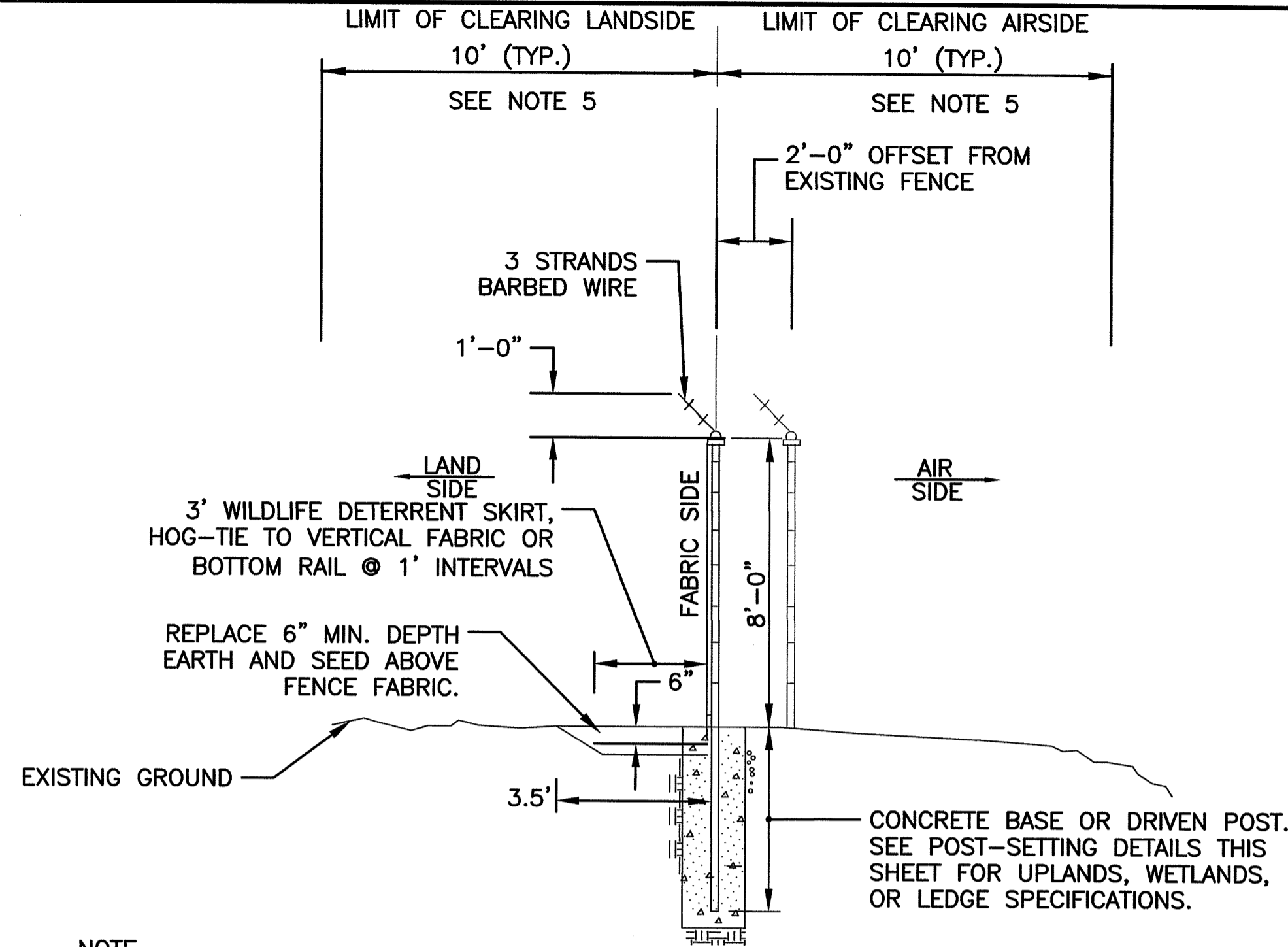
**TEMPORARY STREAM CROSSINGS**

1. STREAM CROSSINGS WILL BE AVOIDED WHENEVER POSSIBLE WITH THE EXCEPTION OF WORK TO BE DONE TO INSTALL THE FENCE OR WILDLIFE SKIRT; EQUIPMENT WILL NOT CROSS STREAMS FOR SITE ACCESS EXCEPT WHEN WORKING DIRECTLY ON THE FENCE. UPLAND ROUTES WILL BE USED WHEN SUITABLE.
2. STREAMS WILL BE CROSSED DURING LOW FLOW PERIODS ONLY, BETWEEN JULY 1 TO OCTOBER 30, OR DURING FROZEN SITE CONDITIONS WHEN WATER IS NOT FLOWING AND SOILS ARE FROZEN SUFFICIENT TO PREVENT ALTERATION BY EQUIPMENT.
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9. FLOW WILL NOT BE DIVERTED, BANK AND CHANNELS AREAS WILL NOT BE REALIGNED.



**INTERMEDIATE POST ASSEMBLY**  
NOT TO SCALE

- NOTES
1. ALL CORNER AND INTERMEDIATE POSTS SHALL HAVE TWO BRACES, WITH A MAXIMUM SPACING BETWEEN POST ASSEMBLIES OF 500'
  2. LINE POST SHALL BE DRIVEN UNLESS OTHERWISE DIRECTED BY THE ENGINEER.



**NOTE**

1. SEE DWG. NO. PS2.1 THROUGH PS2.1 FOR CHAINLINK FENCE AND WILDLIFE SKIRT LOCATIONS
2. FULL TENSION OF THE WILDLIFE "SKIRT" IS NOT RECOMMENDED, CONTRACTOR SHALL TENSION WILDLIFE SKIRT ENOUGH TO CONFORM WITH EXISTING TERRAIN.
3. INSTALL NEW FENCE AT A 2 FT OFFSET ON THE LANDSIDE OF THE EXISTING FENCE.
4. WHERE FENCE IS TO BE REPAIRED ONLY, INSTALL NEW 3' WILDLIFE SKIRT AS SHOWN.
5. FOR CLEARING BEYOND LIMITS OF NEW WILDLIFE SKIRT, CLEAR ALL BRUSH, TREES OR VEGETATION. GRIND STUMPS FLUSH TO GROUND, NO GRUBBING OF STUMPS, NO GRADE CHANGE. AFTER CONSTRUCTION, VEGETATION WILL BE MAINTAINED BY MOWING OR HAND CLEARING.
6. WITHIN LIMITS OF WILDLIFE SKIRT CLEAR AND GRUB ALL BRUSH, TREES, OR VEGETATION.

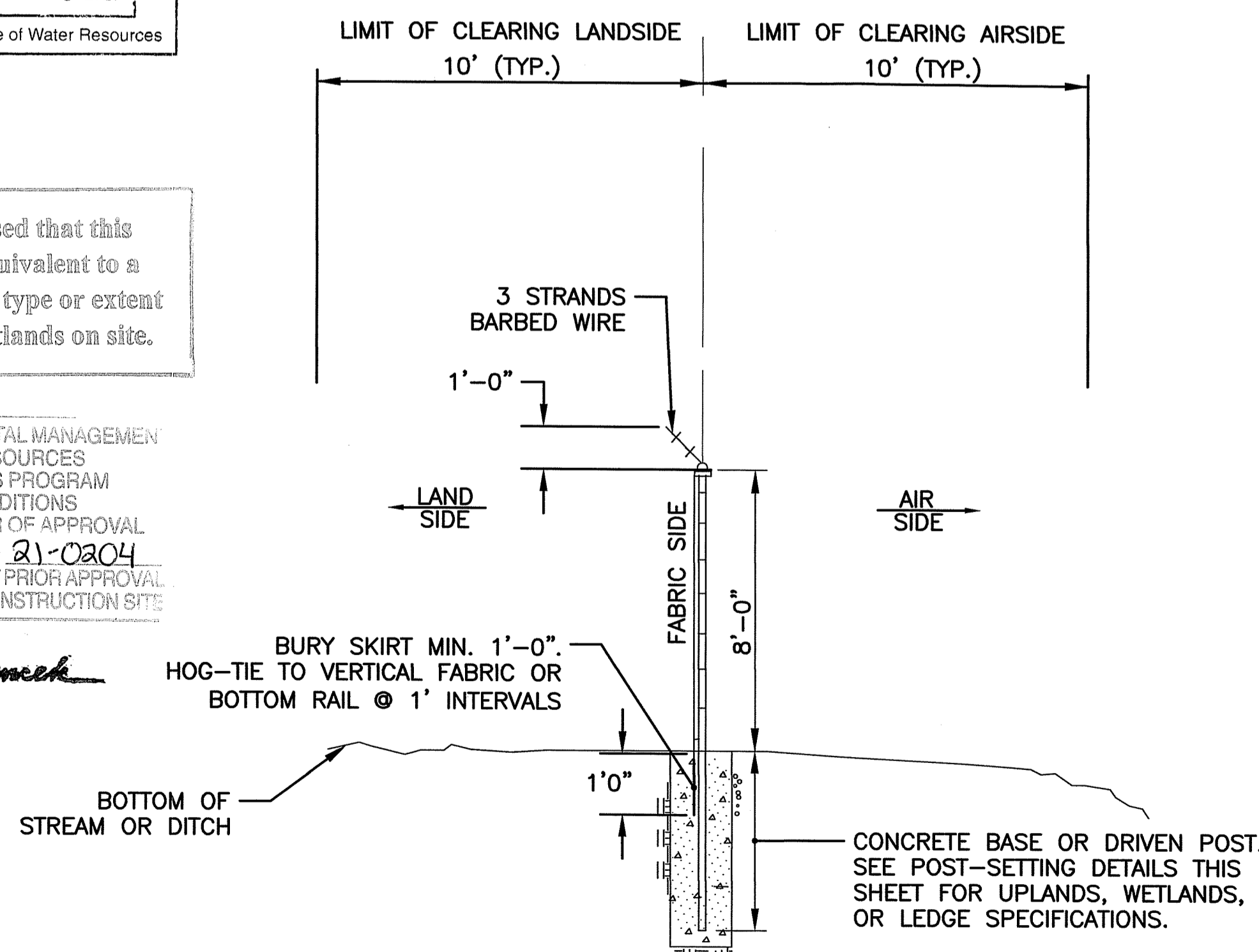
**CHAIN LINK FENCE WITH WILDLIFE SKIRT DETAIL**  
NOT TO SCALE

Environmental Management  
JUL 29 2021  
Office of Water Resources

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

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF WATER RESOURCES  
FRESHWATER WETLANDS PROGRAM  
APPROVED WITH CONDITIONS AS SPECIFIED IN THE LETTER OF APPROVAL  
DATED JUL 30 2021 FILE # 21-0204  
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APPROVED PLANS MUST BE AT CONSTRUCTION SITE

*Martin D. Wenczek*



**WILDLIFE SKIRT DETAIL AT STREAM/DITCH CROSSINGS**  
NOT TO SCALE

NOTE:  
POSTS SHALL BE DRIVEN IN WETLANDS, AND SHALL HAVE A CONCRETE BASE IN UPLANDS.

ENGINEER'S SEAL  
NLS GONZALEZ  
No. 8796  
REGISTERED PROFESSIONAL ENGINEER CIVIL 7/1/21

Rhode Island Airport Corporation  
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SMITHFIELD: 45-047, 45-050, 48-044, AND 48-047  
LINCOLN: 28-006

PROJECT DESIGNER  
**Hoyle, Tanner & Associates, Inc.**  
950 Dow Street  
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Tel: 401-683-1227  
Tel: 401-683-3555  
Fax: 401-683-1668  
Web Page: www.hta.com

NORTH CENTRAL STATE AIRPORT  
WILDLIFE FENCE INSTALLATION AND REPAIR  
**FENCE DETAILS**  
DATE: JULY 2021  
SCALE: NOT TO SCALE

REV. NO.	DATE	DESCRIPTION	BY	PERMITTING DOCUMENTS

PROJ. No.: 301012  
FILE: SFZ-PS302  
AIP No.: 3-44-0004-XXX-2021  
DRAWING NO.  
**PS3.3**  
SHEET 20 OF 20

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