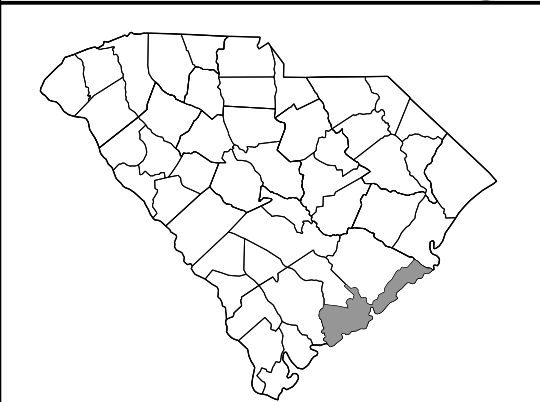


SOUTH CAROLINA
 REGISTERED PROFESSIONAL ENGINEER
 No. C0318
 HDR ENGINEERING, INC.
 OF THE CAROLINAS

SOUTH CAROLINA
 REGISTERED PROFESSIONAL ENGINEER
 No. 24436
 Darby Michael M.



SHADED AREA INDICATES
 CHARLESTON COUNTY, SOUTH CAROLINA



SCALE: 1" = 5,000'

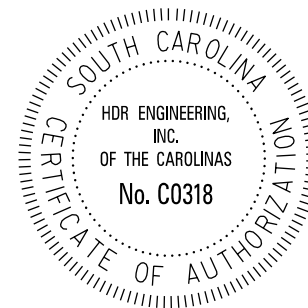
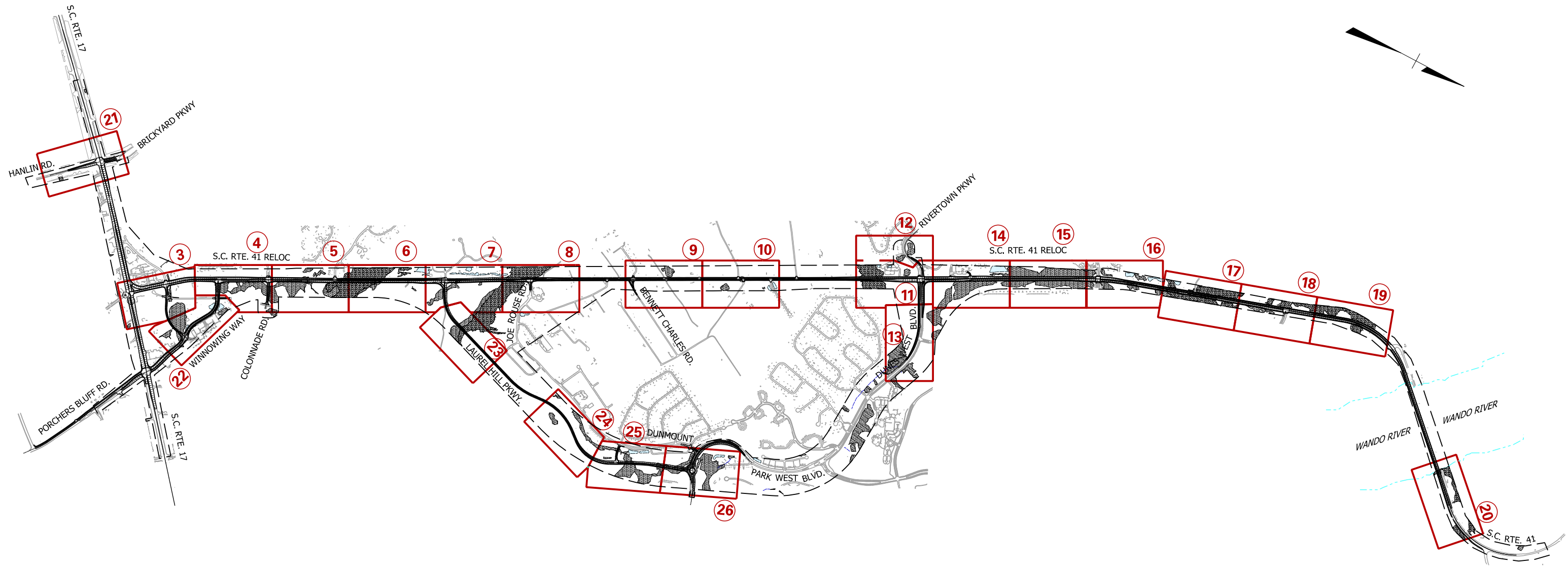


S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023



VICINITY MAP
 SHEET 1 OF 33

DATE: 1/18/2024 FILE: c:\p\working\ave\ave\02251423\SH-00_Vicinity_Map.dgn



DATE: 1/18/2024
FILE: c:\p\working\easton\0251423\SH-002_insex_3ht.dgn



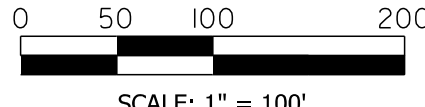
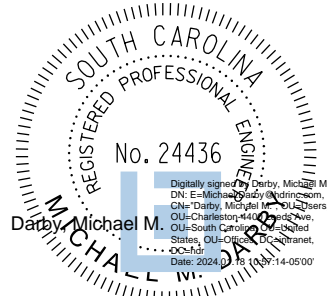
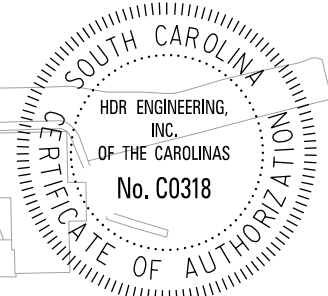
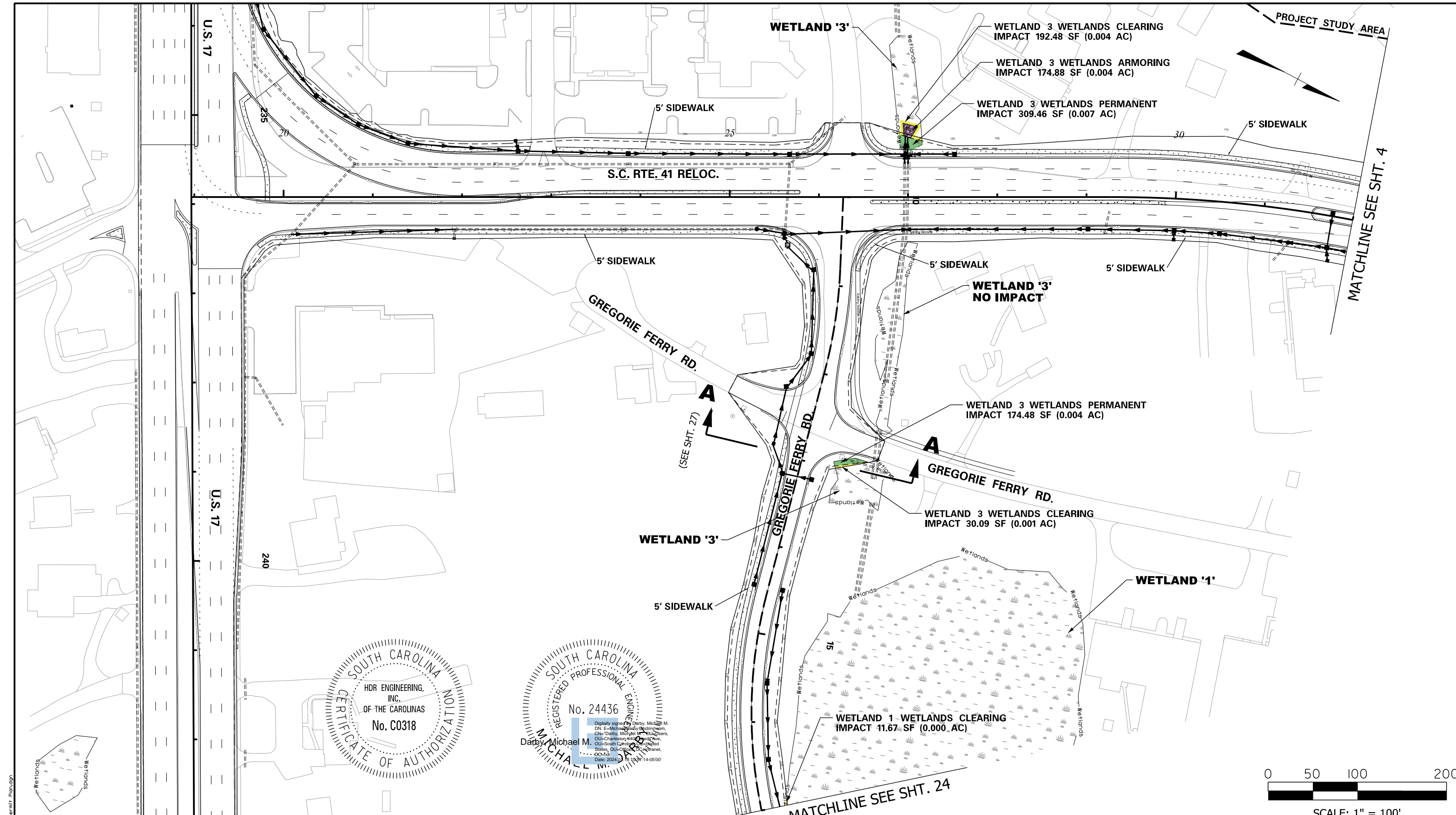
SCALE: NOT TO SCALE

**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**



INDEX/LAYOUT SHEET

SHEET 2 OF 33



LEGEND

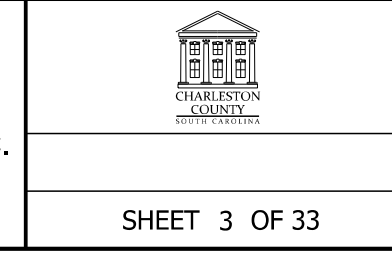
- FRESHWATER WETLAND
- CRITICAL WETLAND
- NON-WETLAND WATERS
- PERMANENT IMPACT
- CLEARING IMPACT
- NON-WETLAND WATERS IMPACT
- NON-WETLAND WATERS ARMORING IMPACT
- NON-WETLAND WATERS PIPE IMPACT
- BRIDGE CONSTRUCTION ACCESS
- ROADWAY
- PAVEMENT REMOVAL
- PROJECT STUDY AREA

IMPACTS THIS SHEET

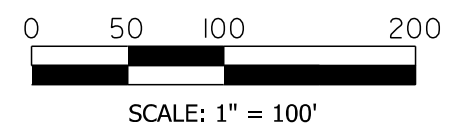
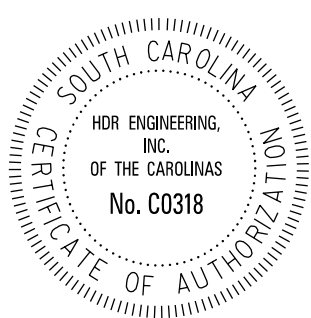
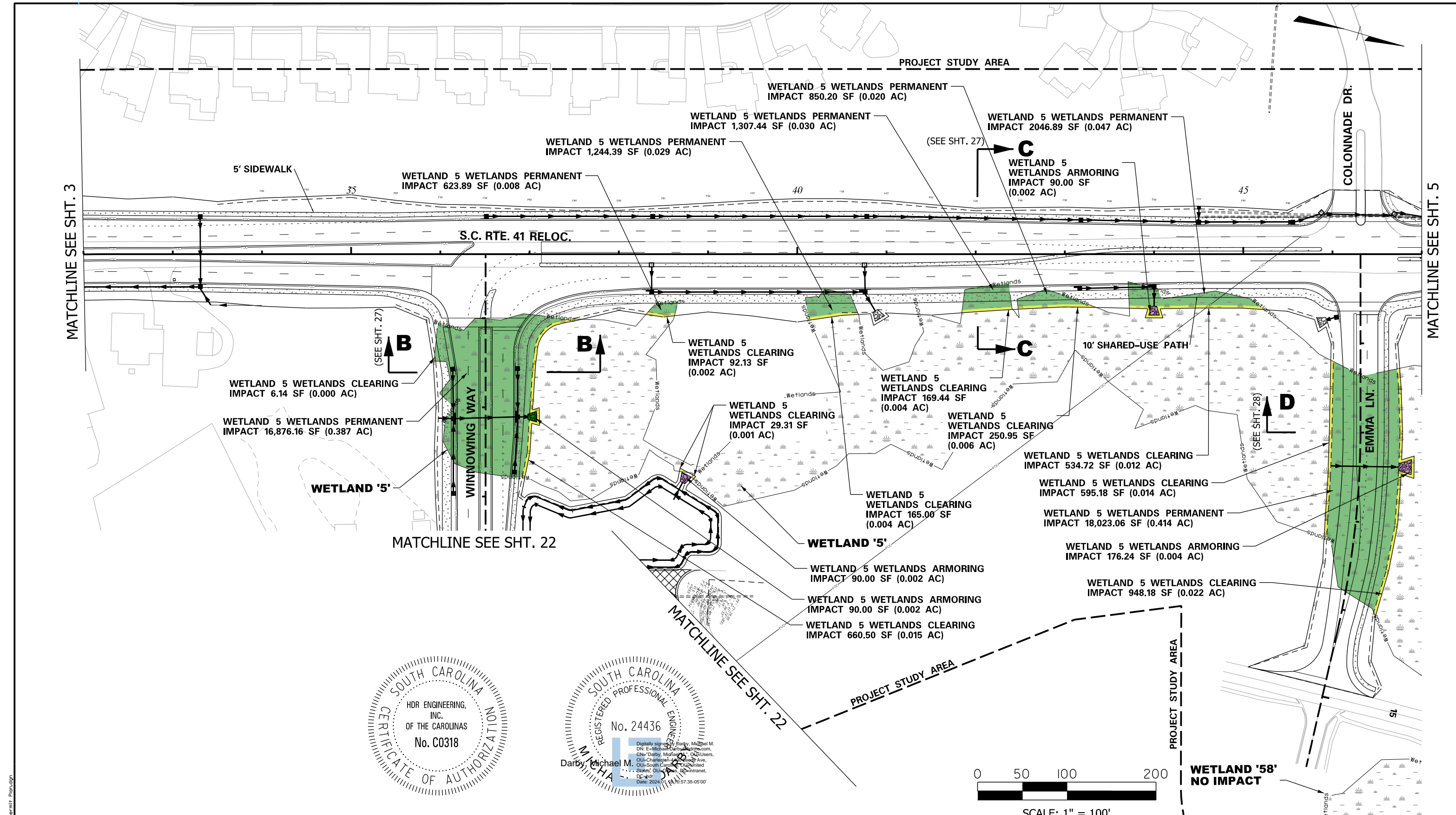
- WETLAND PERMANENT IMPACTS = 483.94 SF (0.011 AC)
- WETLAND CLEARING IMPACT = 234.24 SF (0.005 AC)
- WETLAND ARMORING IMPACTS = 174.88 SF (0.004 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**



DATE: 1/18/2024 FILE: c:\p\working\easton\c251423\SHT_003_permit_Plan.dgn



LEGEND

| | | | | | |
|--|--------------------------------|--|------------------------------------|--|--------------------|
| | FRESHWATER WETLAND | | NON-WETLAND WATERS IMPACT | | PAVEMENT REMOVAL |
| | CRITICAL WETLAND | | NON-WETLAND WATERS ARMORING IMPACT | | PROJECT STUDY AREA |
| | NON-WETLAND WATERS PIPE IMPACT | | NON-WETLAND WATERS PIPE IMPACT | | |
| | PERMANENT IMPACT | | BRIDGE CONSTRUCTION ACCESS | | |
| | CLEARING IMPACT | | ROADWAY | | |

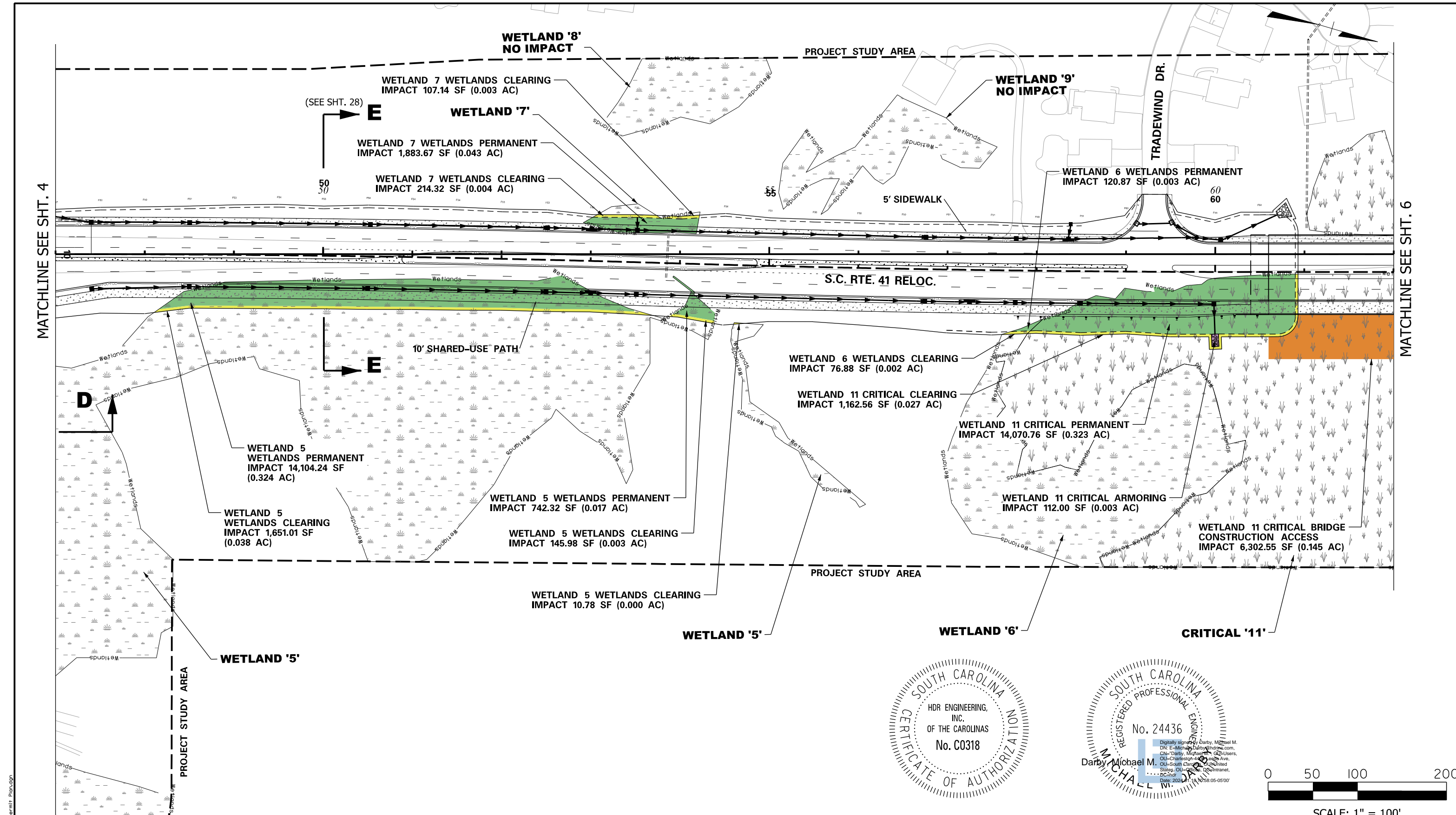
IMPACTS THIS SHEET

| | |
|---------------------------------------|---------------------------|
| WETLAND PERMANENT IMPACTS | = 40,972.03 SF (0.940 AC) |
| WETLAND CLEARING IMPACT | = 3,451.55 SF (0.940 AC) |
| WETLAND ARMORING IMPACTS | = 446.24 SF (0.010 AC) |
| WETLAND OPEN WATERS IMPACT | = 0 SF (0.000 AC) |
| WETLAND PIPE IMPACT | = 0 LF |
| WETLAND CRITICAL PERMANENT IMPACTS | = 0 SF (0.000 AC) |
| WETLAND CRITICAL CLEARING IMPACT | = 0 SF (0.000 AC) |
| WETLAND CRITICAL ARMORING IMPACTS | = 0 SF (0.000 AC) |
| WETLAND CRITICAL CONST. ACCESS IMPACT | = 0 SF (0.000 AC) |
| WETLAND CRITICAL PIPE IMPACT | = 0 LF |



**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**





MATCHLINE SEE SHT. 4

MATCHLINE SEE SHT. 6

PROJECT STUDY AREA

PROJECT STUDY AREA

PROJECT STUDY AREA

S.C. RTE. 41 RELOC.

TRADEWIND DR.

55

60

(SEE SHT. 28)

50

E

E

D

WETLAND '8'
NO IMPACT

WETLAND '9'
NO IMPACT

WETLAND 7 WETLANDS CLEARING
IMPACT 107.14 SF (0.003 AC)

WETLAND '7'

WETLAND 7 WETLANDS PERMANENT
IMPACT 1,883.67 SF (0.043 AC)

WETLAND 7 WETLANDS CLEARING
IMPACT 214.32 SF (0.004 AC)

WETLAND 6 WETLANDS PERMANENT
IMPACT 120.87 SF (0.003 AC)

WETLAND 6 WETLANDS CLEARING
IMPACT 76.88 SF (0.002 AC)

WETLAND 11 CRITICAL CLEARING
IMPACT 1,162.56 SF (0.027 AC)

WETLAND 11 CRITICAL PERMANENT
IMPACT 14,070.76 SF (0.323 AC)

WETLAND 11 CRITICAL ARMORING
IMPACT 112.00 SF (0.003 AC)

WETLAND 11 CRITICAL BRIDGE
CONSTRUCTION ACCESS
IMPACT 6,302.55 SF (0.145 AC)

WETLAND 5
WETLANDS PERMANENT
IMPACT 14,104.24 SF
(0.324 AC)

WETLAND 5
WETLANDS CLEARING
IMPACT 1,651.01 SF
(0.038 AC)

WETLAND 5 WETLANDS PERMANENT
IMPACT 742.32 SF (0.017 AC)

WETLAND 5 WETLANDS CLEARING
IMPACT 145.98 SF (0.003 AC)

WETLAND 5 WETLANDS CLEARING
IMPACT 10.78 SF (0.000 AC)

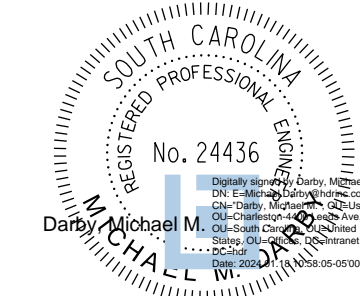
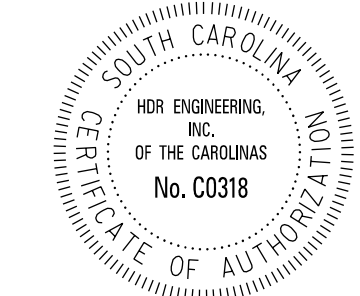
WETLAND '5'

WETLAND '5'

WETLAND '6'

CRITICAL '11'

10' SHARED-USE PATH



SCALE: 1" = 100'

LEGEND

- | | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |

IMPACTS THIS SHEET

- WETLAND PERMANENT IMPACTS = 16,851.11 SF (0.387 AC)
- WETLAND CLEARING IMPACT = 2,206.11 SF (0.051 AC)
- WETLAND ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 14,070.76 SF (0.323 AC)
- WETLAND CRITICAL CLEARING IMPACT = 1,162.56 SF (0.027 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 112.00 SF (0.003 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 6,302.55 SF (0.145 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



HDR Engineering Inc.
of the Carolinas
4400 Leeds Avenue, Suite 450
North Charleston, SC 29405
843.414.3700

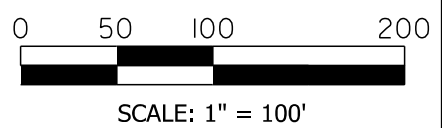
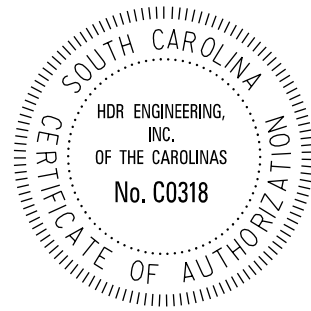
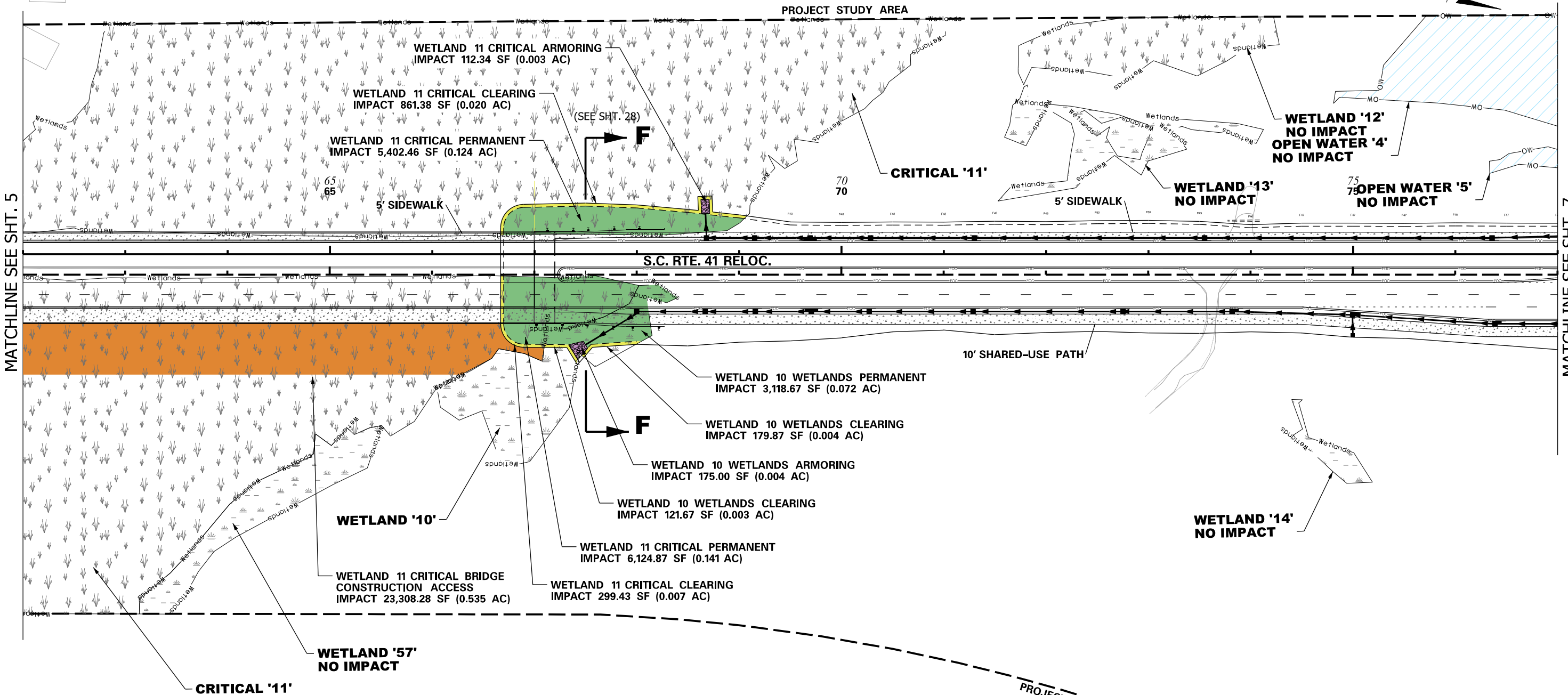
S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023



DATE: 1/18/2024 FILE: c:\pwworking\hdr\on\2251423\SHT_005_permit_Plan.dgn

MATCHLINE SEE SHT. 5

MATCHLINE SEE SHT. 7



LEGEND

- FRESHWATER WETLAND
- CRITICAL WETLAND
- NON-WETLAND WATERS
- PERMANENT IMPACT
- CLEARING IMPACT
- NON-WETLAND WATERS ARMORING IMPACT
- NON-WETLAND WATERS PIPE IMPACT
- BRIDGE CONSTRUCTION ACCESS
- ROADWAY
- PAVEMENT REMOVAL
- PROJECT STUDY AREA

IMPACTS THIS SHEET

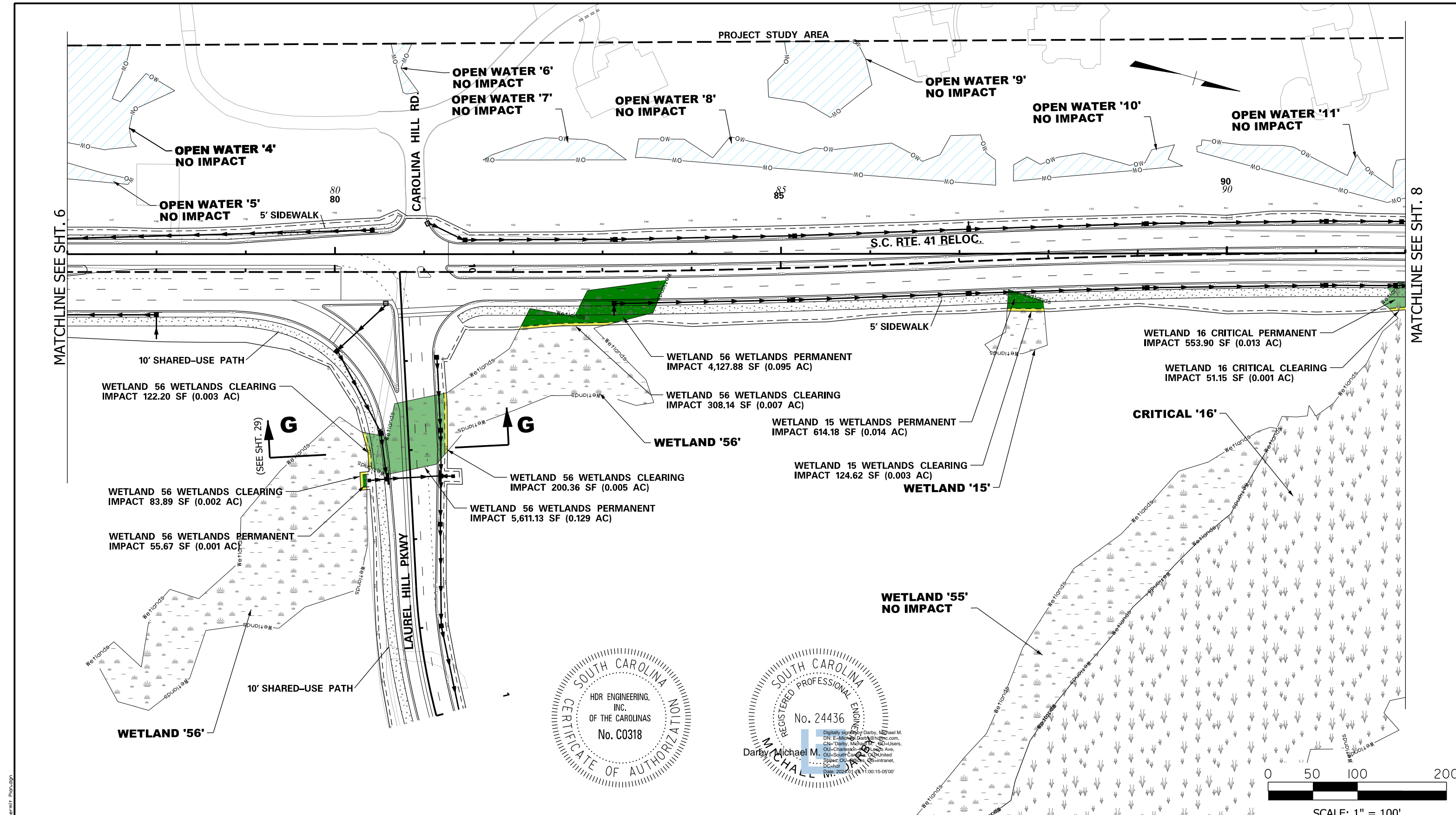
| | |
|---------------------------------------|---------------------------|
| WETLAND PERMANENT IMPACTS | = 3,118.67 SF (0.072 AC) |
| WETLAND CLEARING IMPACT | = 301.54 SF (0.007 AC) |
| WETLAND ARMORING IMPACTS | = 175.00 SF (0.004 AC) |
| WETLAND OPEN WATERS IMPACT | = 0 SF (0.000 AC) |
| WETLAND PIPE IMPACT | = 0 LF |
| WETLAND CRITICAL PERMANENT IMPACTS | = 11,527.33 SF (0.265 AC) |
| WETLAND CRITICAL CLEARING IMPACT | = 1,160.81 SF (0.027 AC) |
| WETLAND CRITICAL ARMORING IMPACTS | = 112.34 SF (0.003 AC) |
| WETLAND CRITICAL CONST. ACCESS IMPACT | = 23,308.28 SF (0.535 AC) |
| WETLAND CRITICAL PIPE IMPACT | = 0 LF |



S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023



DATE: 1/18/2024 FILE: c:\pwworking\hdr\2025\2423\SHT_006_permit_Plan.dgn



MATCHLINE SEE SHT. 6

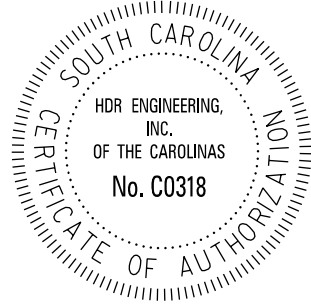
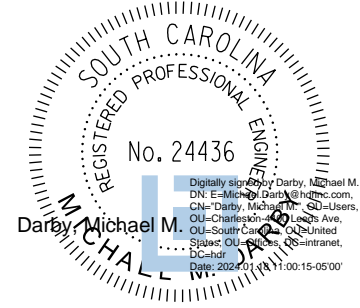
MATCHLINE SEE SHT. 8

LEGEND

- | | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |

IMPACTS THIS SHEET

- WETLAND PERMANENT IMPACTS = 10,962.76 SF (0.227 AC)
- WETLAND CLEARING IMPACT = 839.21 SF (0.020 AC)
- WETLAND ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 489.53 SF (0.011 AC)
- WETLAND CRITICAL CLEARING IMPACT = 51.15 SF (0.001 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF

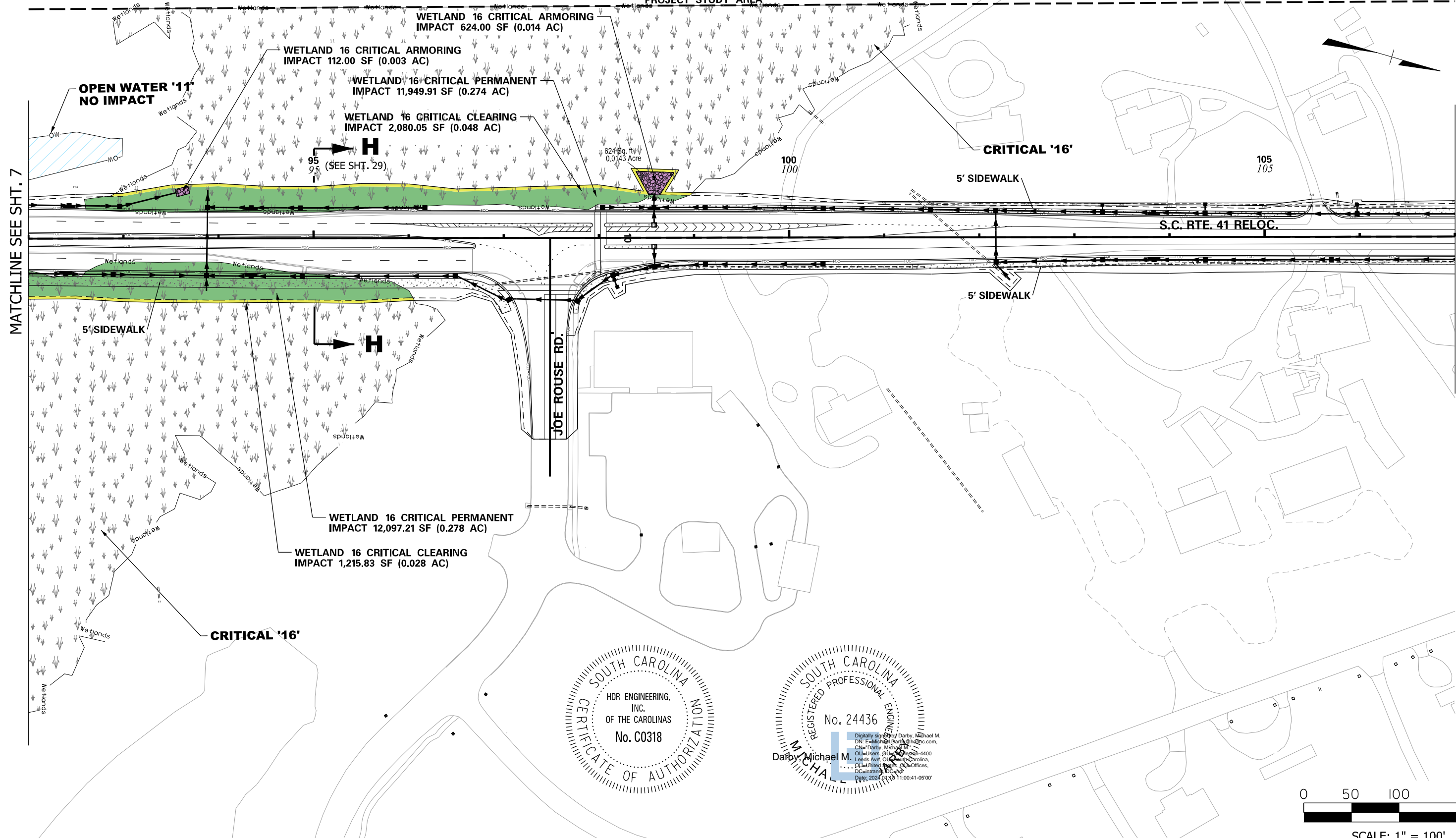


S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023



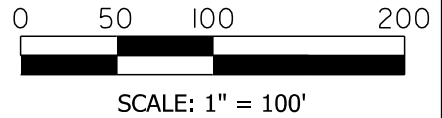
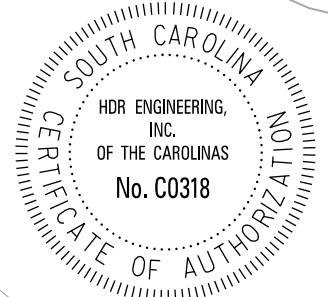
DATE: 1/18/2024 FILE: c:\pwworking\hdr\2023\423\SHT_007_permit_Plan.dgn

PROJECT STUDY AREA



MATCHLINE SEE SHT. 7

MATCHLINE SEE SHT. 9



LEGEND

- FRESHWATER WETLAND
- CRITICAL WETLAND
- NON-WETLAND WATERS
- PERMANENT IMPACT
- CLEARING IMPACT
- NON-WETLAND WATERS ARMORING IMPACT
- NON-WETLAND WATERS PIPE IMPACT
- BRIDGE CONSTRUCTION ACCESS
- ROADWAY
- PAVEMENT REMOVAL
- PROJECT STUDY AREA

IMPACTS THIS SHEET

- WETLAND PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 24,047.12 SF (0.552 AC)
- WETLAND CRITICAL CLEARING IMPACT = 3,295.88 SF (0.076 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 736 SF (0.017 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF
- CRITICAL STREAM IMPACT = 51.60 LF



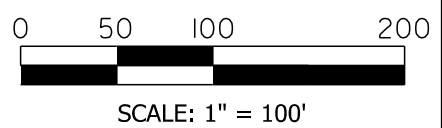
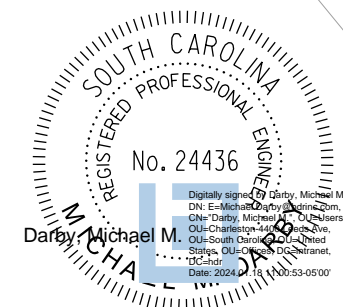
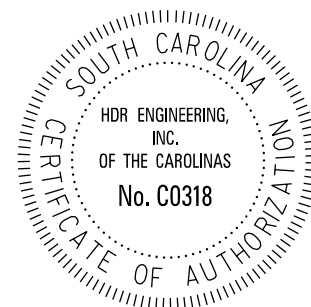
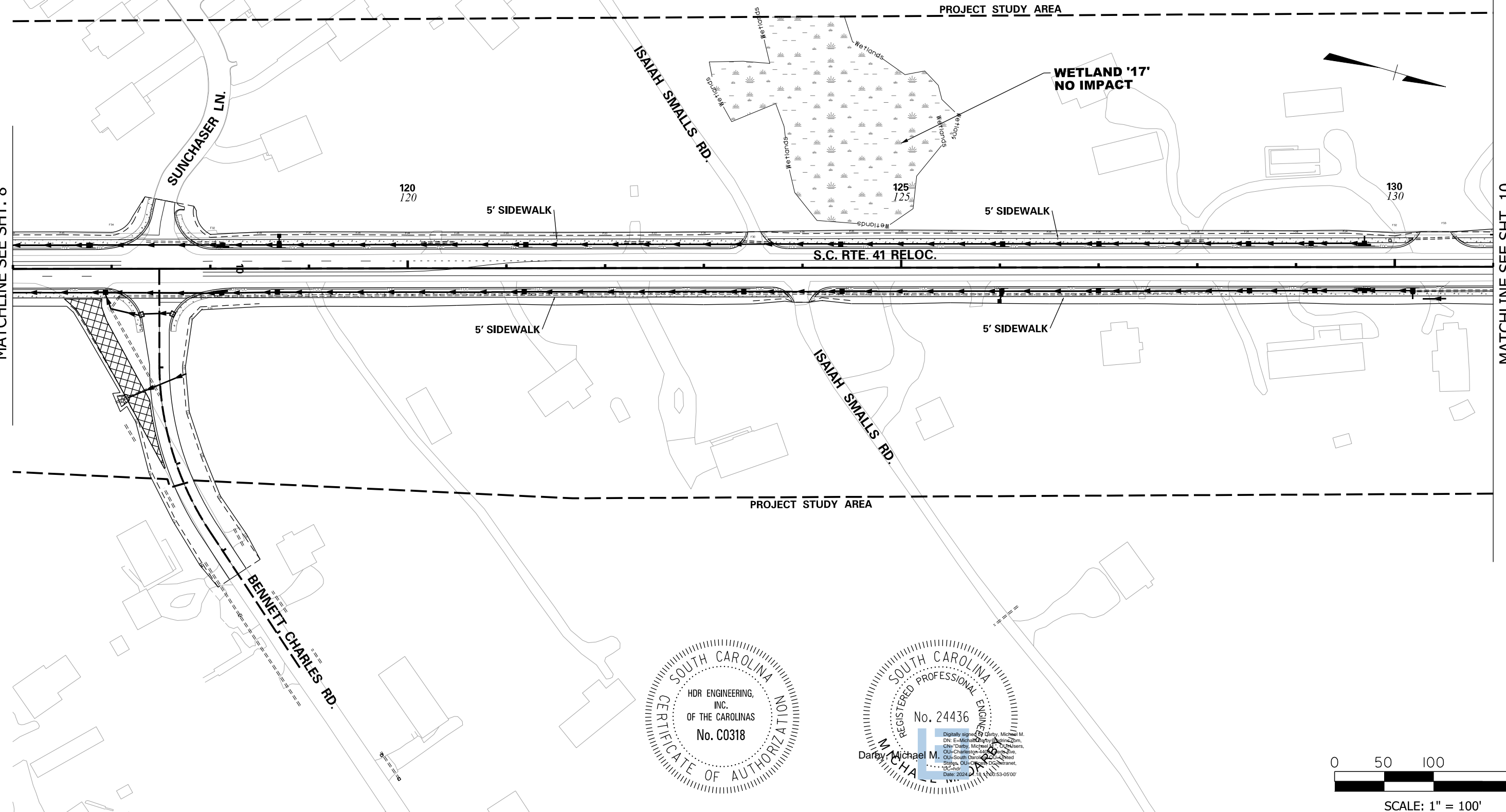
S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023



DATE: 1/18/2024 FILE: c:\pwworking\hdr\2024\23\SHT-008_permit_Plan.dgn

MATCHLINE SEE SHT. 8

MATCHLINE SEE SHT. 10



LEGEND

- FRESHWATER WETLAND
- CRITICAL WETLAND
- NON-WETLAND WATERS
- PERMANENT IMPACT
- CLEARING IMPACT
- NON-WETLAND WATERS IMPACT
- NON-WETLAND WATERS ARMORING IMPACT
- NON-WETLAND WATERS PIPE IMPACT
- BRIDGE CONSTRUCTION ACCESS
- ROADWAY
- PAVEMENT REMOVAL
- PROJECT STUDY AREA

IMPACTS THIS SHEET

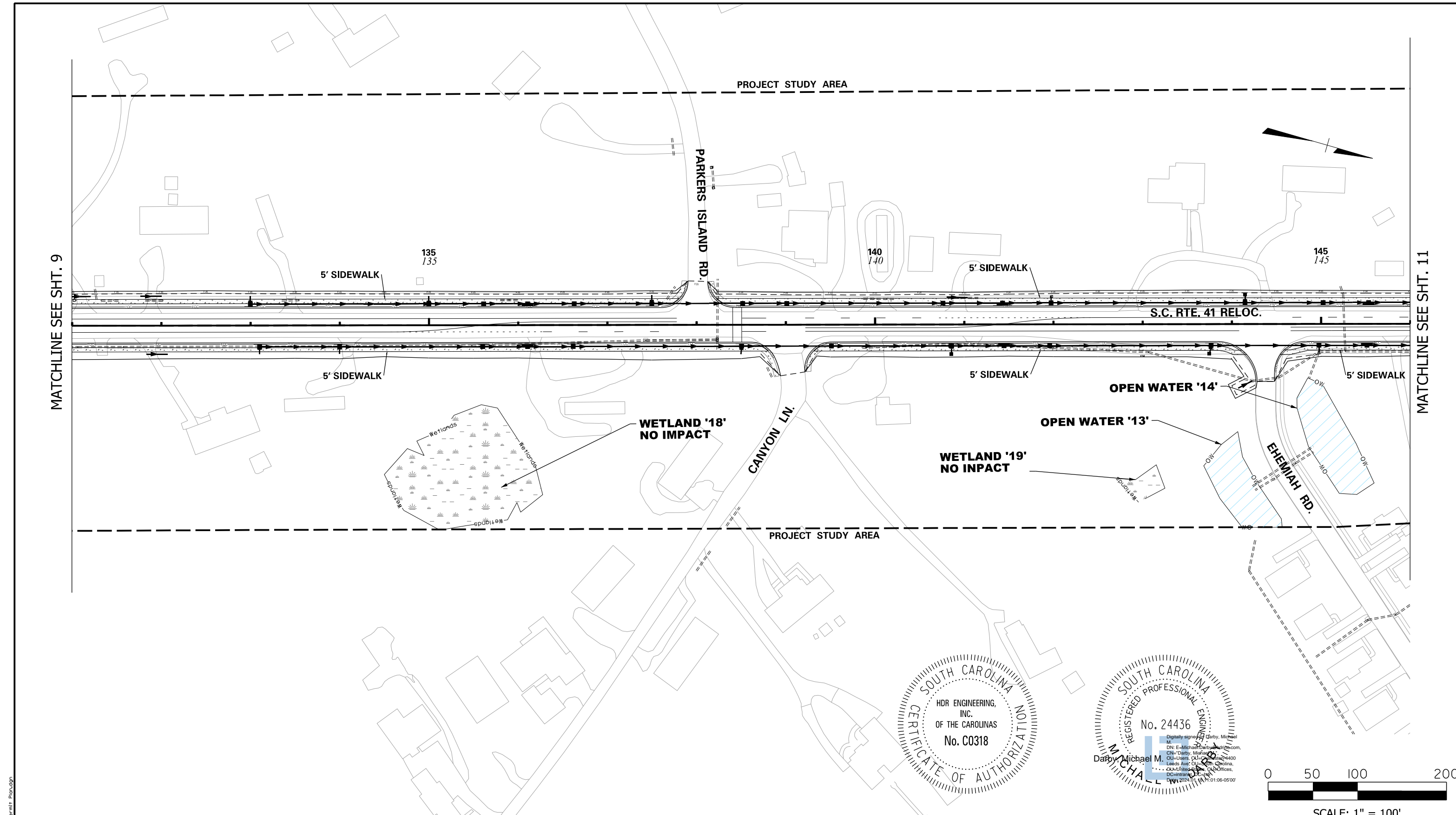
- WETLAND PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**



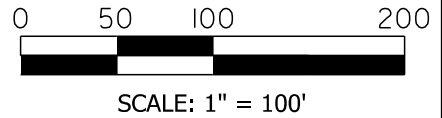
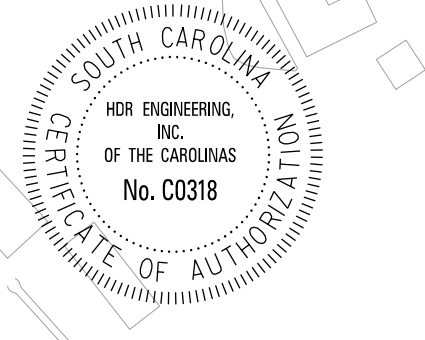
DATE: 1/18/2024 FILE: c:\pwworking\houston\20251423\SHT_009_permit_Plan.dgn



DATE: 1/18/2024
FILE: c:\p\working\easton\2251423\SHT_010_permit1 - Plan.dgn

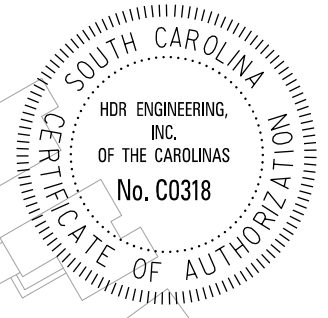
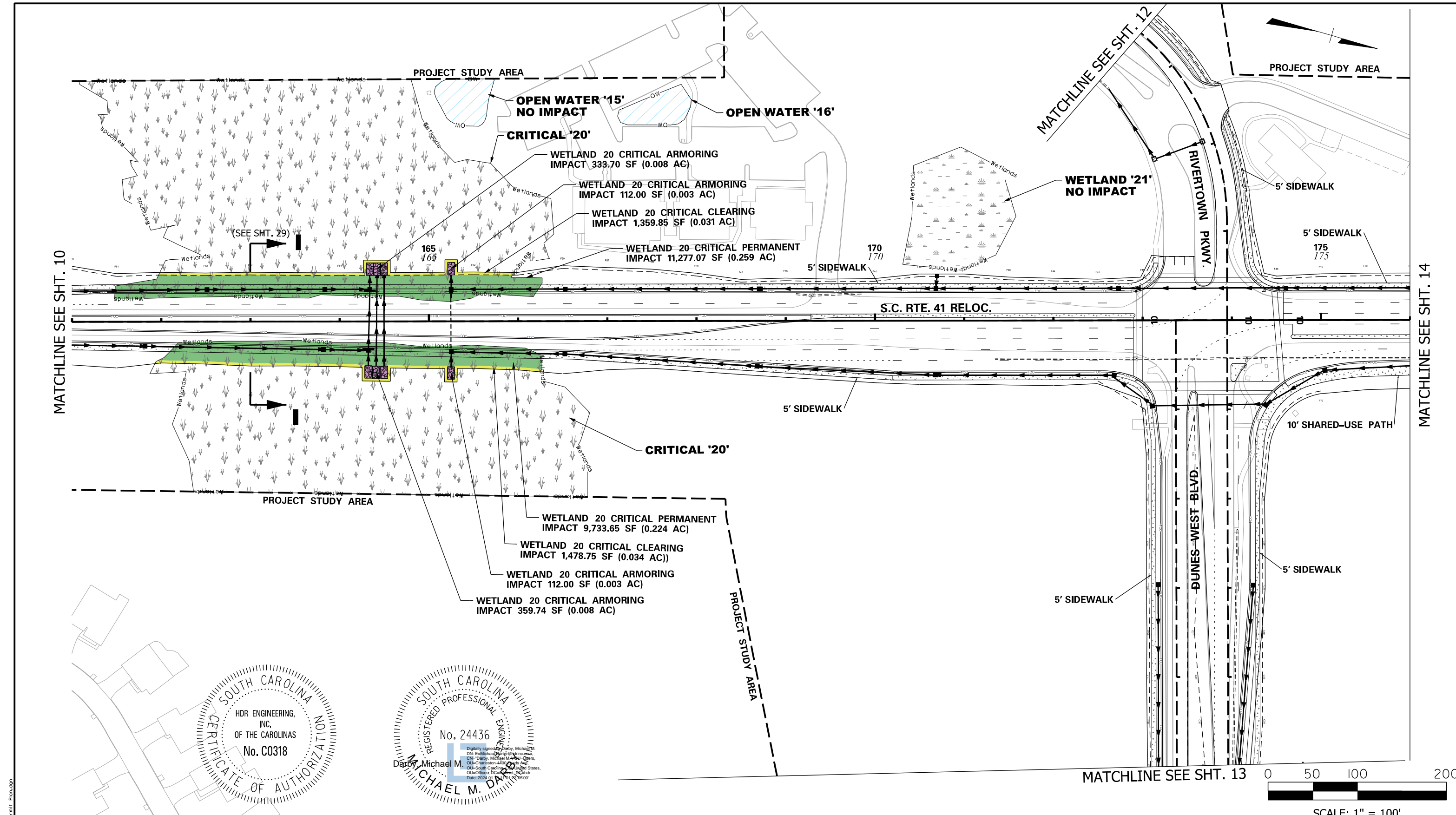
| LEGEND | | | |
|--------|------------------------------------|--|--------------------|
| | FRESHWATER WETLAND | | PAVEMENT REMOVAL |
| | CRITICAL WETLAND | | PROJECT STUDY AREA |
| | NON-WETLAND WATERS | | |
| | PERMANENT IMPACT | | |
| | CLEARING IMPACT | | |
| | NON-WETLAND WATERS IMPACT | | |
| | NON-WETLAND WATERS ARMORING IMPACT | | |
| | NON-WETLAND WATERS PIPE IMPACT | | |
| | BRIDGE CONSTRUCTION ACCESS | | |
| | ROADWAY | | |

| IMPACTS THIS SHEET | |
|---------------------------------------|-------------------|
| WETLAND PERMANENT IMPACTS | = 0 SF (0.000 AC) |
| WETLAND CLEARING IMPACT | = 0 SF (0.000 AC) |
| WETLAND ARMORING IMPACTS | = 0 SF (0.000 AC) |
| WETLAND OPEN WATERS IMPACT | = 0 SF (0.000 AC) |
| WETLAND PIPE IMPACT | = 0 LF |
| WETLAND CRITICAL PERMANENT IMPACTS | = 0 SF (0.000 AC) |
| WETLAND CRITICAL CLEARING IMPACT | = 0 SF (0.000 AC) |
| WETLAND CRITICAL ARMORING IMPACTS | = 0 SF (0.000 AC) |
| WETLAND CRITICAL CONST. ACCESS IMPACT | = 0 SF (0.000 AC) |
| WETLAND CRITICAL PIPE IMPACT | = 0 LF |



**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**





LEGEND

- FRESHWATER WETLAND
- CRITICAL WETLAND
- NON-WETLAND WATERS
- PERMANENT IMPACT
- CLEARING IMPACT
- NON-WETLAND WATERS IMPACT
- NON-WETLAND WATERS ARMORING IMPACT
- NON-WETLAND WATERS PIPE IMPACT
- BRIDGE CONSTRUCTION ACCESS
- ROADWAY
- PAVEMENT REMOVAL
- PROJECT STUDY AREA

IMPACTS THIS SHEET

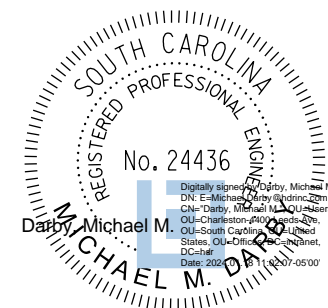
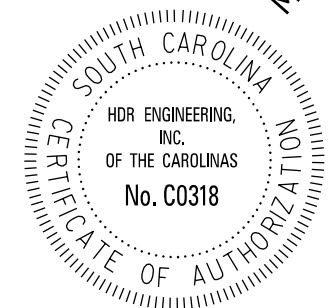
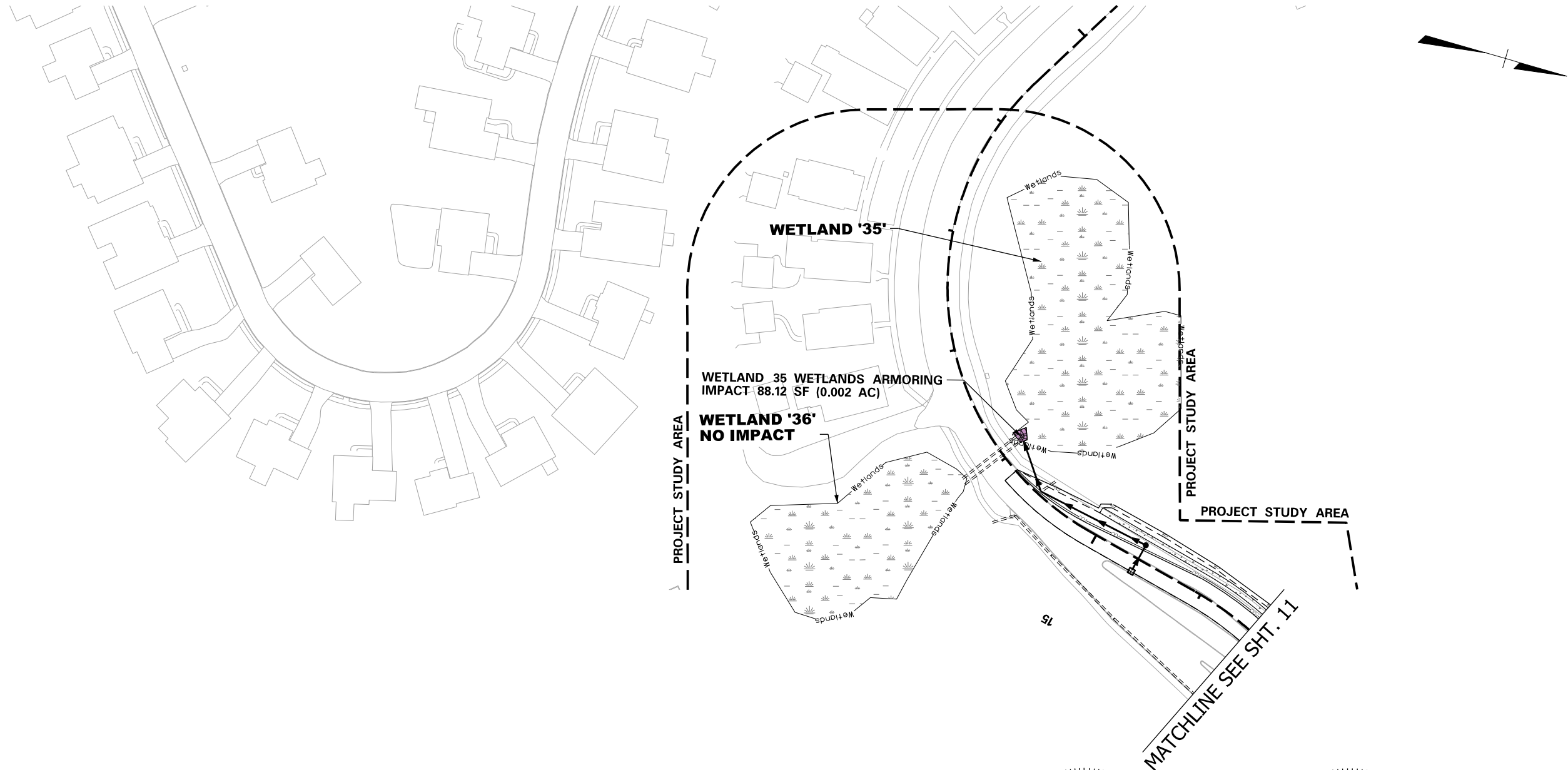
- WETLAND PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 21,010.72 SF (0.482 AC)
- WETLAND CRITICAL CLEARING IMPACT = 2,838.60 SF (0.065 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 917.44 SF (0.021 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**



DATE: 1/18/2024 FILE: c:\pwworking\hdr\2025\2423\SHT-01_permit.rvt Plot: dgm



SCALE: 1" = 100'

LEGEND

- FRESHWATER WETLAND
- CRITICAL WETLAND
- NON-WETLAND WATERS
- PERMANENT IMPACT
- CLEARING IMPACT
- NON-WETLAND WATERS IMPACT
- NON-WETLAND WATERS ARMORING IMPACT
- NON-WETLAND WATERS PIPE IMPACT
- BRIDGE CONSTRUCTION ACCESS
- ROADWAY
- PAVEMENT REMOVAL
- PROJECT STUDY AREA

IMPACTS THIS SHEET

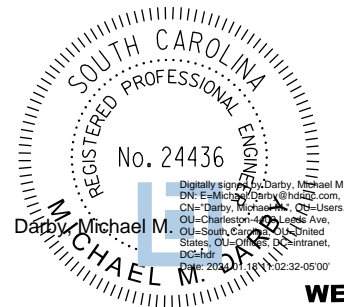
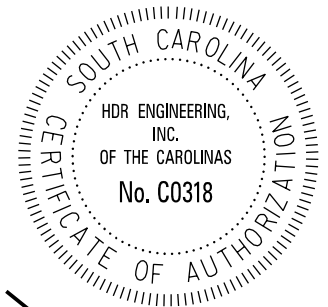
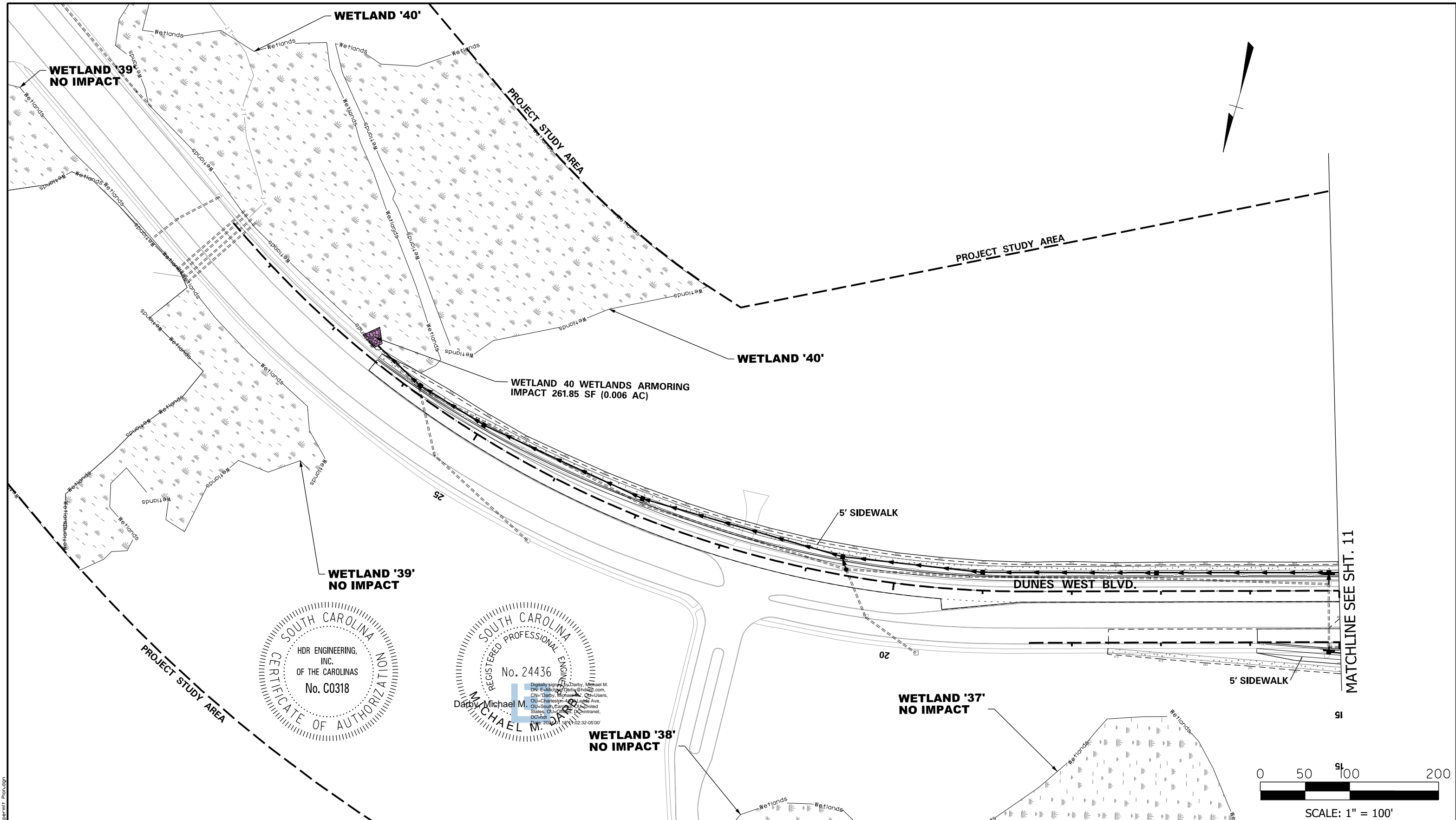
- WETLAND PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND ARMORING IMPACTS = 88.12 SF (0.002 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**



DATE: 1/18/2024 FILE: c:\p\working\scs\0251423\SHT_012_permitr_Plan.dgn



LEGEND

- FRESHWATER WETLAND
- CRITICAL WETLAND
- NON-WETLAND WATERS
- PERMANENT IMPACT
- CLEARING IMPACT
- NON-WETLAND WATERS IMPACT
- NON-WETLAND WATERS ARMORING IMPACT
- NON-WETLAND WATERS PIPE IMPACT
- BRIDGE CONSTRUCTION ACCESS
- ROADWAY
- PAVEMENT REMOVAL
- PROJECT STUDY AREA

IMPACTS THIS SHEET

- WETLAND PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND ARMORING IMPACTS = 261.85 SF (0.006 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



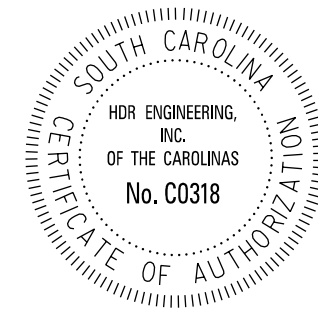
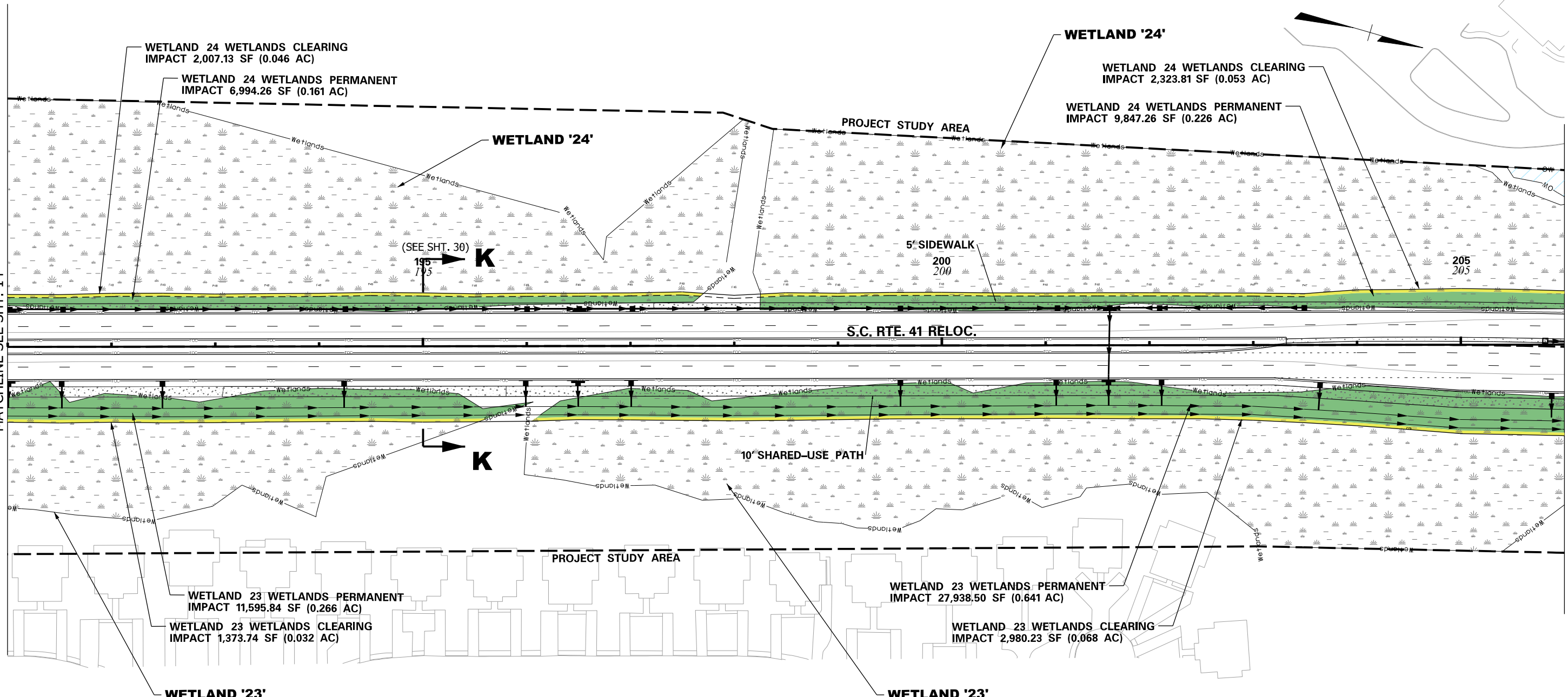
**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**



DATE: 1/18/2024 FILE: c:\pwworking\hdr\sc\251423\SHT_03_permit - Plan.dgn

MATCHLINE SEE SHT. 14

MATCHLINE SEE SHT. 16



SCALE: 1" = 100'

LEGEND

- FRESHWATER WETLAND
- CRITICAL WETLAND
- NON-WETLAND WATERS
- PERMANENT IMPACT
- CLEARING IMPACT
- NON-WETLAND WATERS ARMORING IMPACT
- NON-WETLAND WATERS PIPE IMPACT
- BRIDGE CONSTRUCTION ACCESS
- ROADWAY
- PAVEMENT REMOVAL
- PROJECT STUDY AREA

IMPACTS THIS SHEET

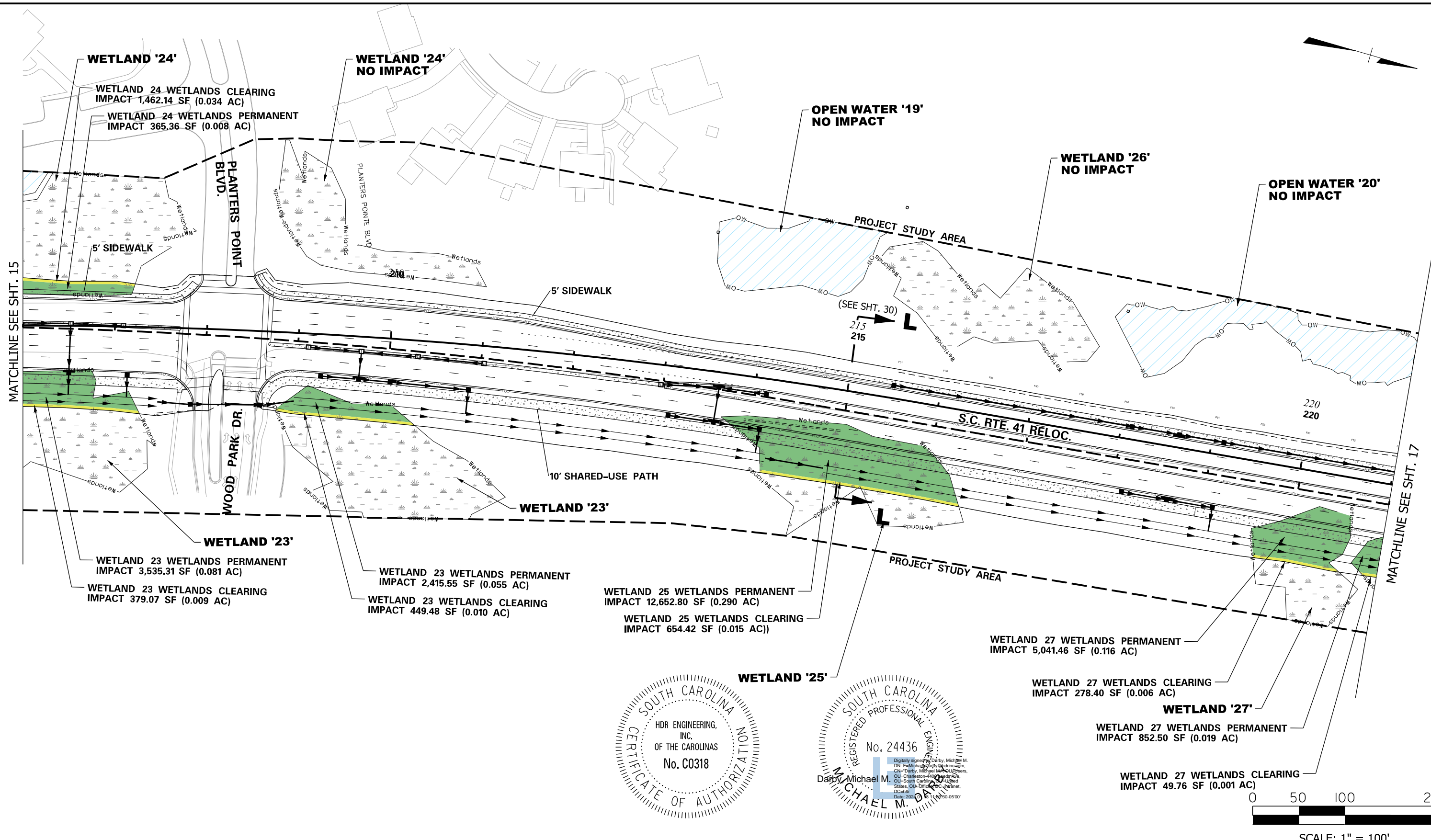
- WETLAND PERMANENT IMPACTS = 56,375.86 SF (1.294 AC)
- WETLAND CLEARING IMPACT = 8,684.91 SF (0.199 AC)
- WETLAND ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023

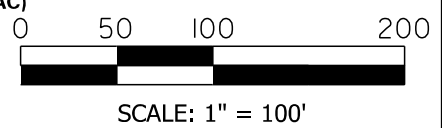
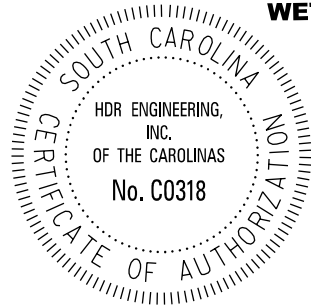


DATE: 1/18/2024 FILE: c:\pwworking\hdr\sc\251423\SHT_05_permit_Plan.dgn



MATCHLINE SEE SHT. 15

MATCHLINE SEE SHT. 17



LEGEND

- FRESHWATER WETLAND
- CRITICAL WETLAND
- NON-WETLAND WATERS
- PERMANENT IMPACT
- CLEARING IMPACT
- NON-WETLAND WATERS IMPACT
- NON-WETLAND WATERS ARMORING IMPACT
- NON-WETLAND WATERS PIPE IMPACT
- BRIDGE CONSTRUCTION ACCESS
- ROADWAY
- PAVEMENT REMOVAL
- PROJECT STUDY AREA

IMPACTS THIS SHEET

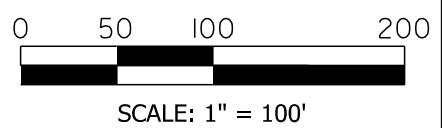
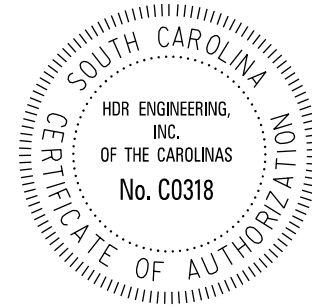
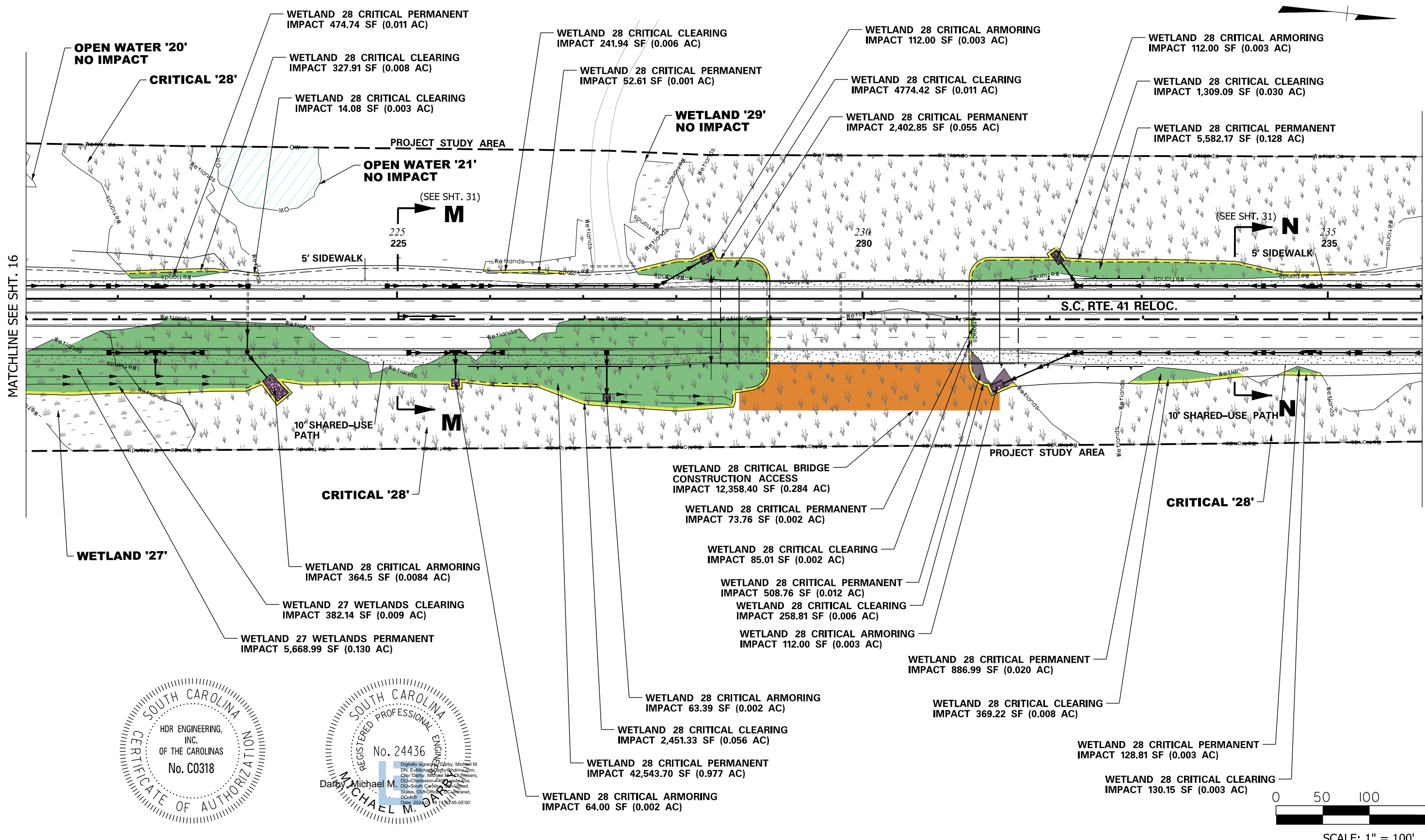
- WETLAND PERMANENT IMPACTS = 24,862.98 SF (0.571 AC)
- WETLAND CLEARING IMPACT = 3,273.27 SF (0.078 AC)
- WETLAND ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023



DATE: 1/18/2024 FILE: c:\pwworking\hdr\project\2023\423\SHT_016_perm11 - Plot.dgn



LEGEND

- FRESHWATER WETLAND
- CRITICAL WETLAND
- NON-WETLAND WATERS
- PERMANENT IMPACT
- CLEARING IMPACT
- NON-WETLAND WATERS ARMORING IMPACT
- NON-WETLAND WATERS PIPE IMPACT
- BRIDGE CONSTRUCTION ACCESS
- ROADWAY
- PAVEMENT REMOVAL
- PROJECT STUDY AREA

IMPACTS THIS SHEET

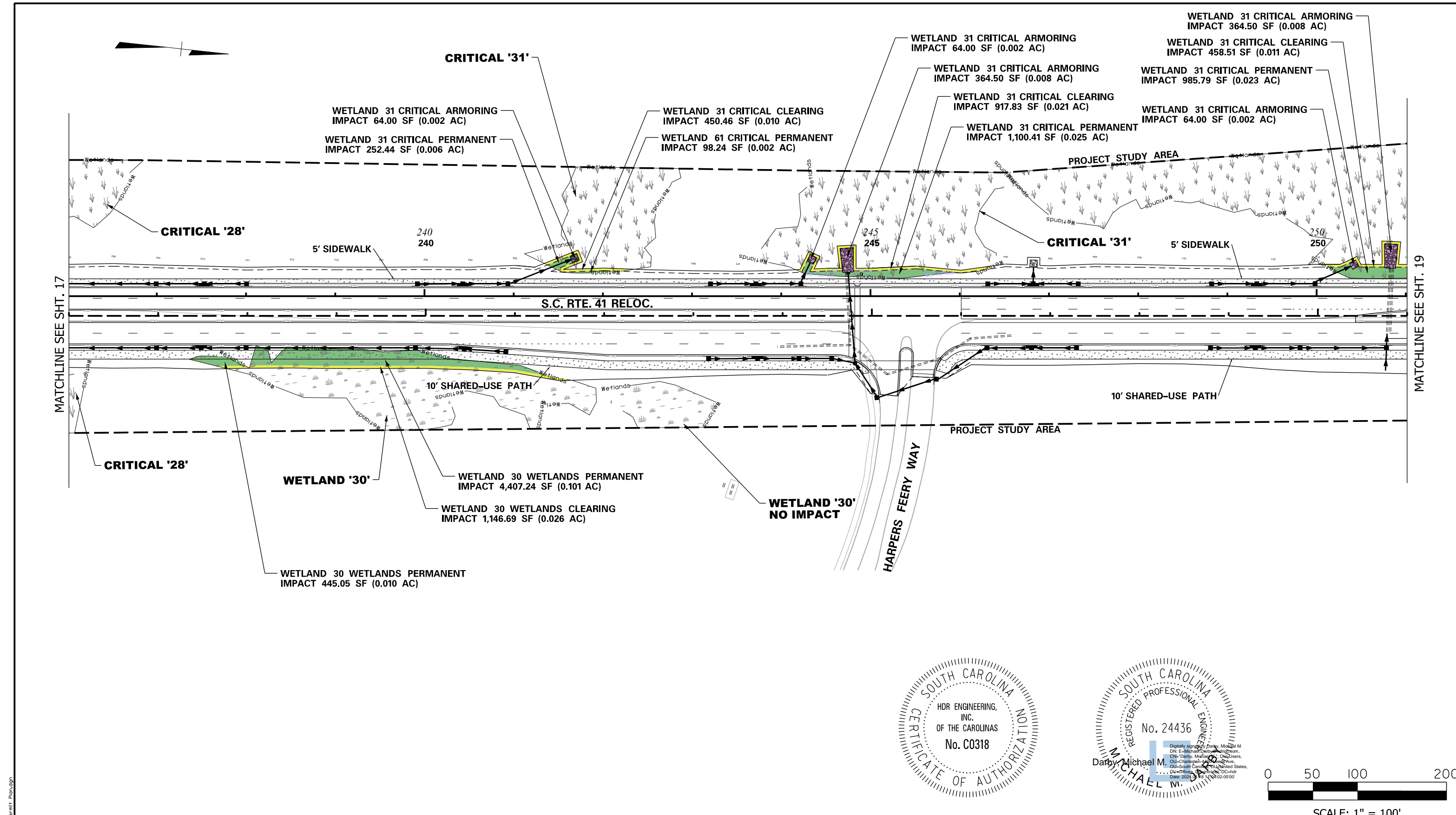
- WETLAND PERMANENT IMPACTS = 5,668.99 SF (0.130 AC)
- WETLAND CLEARING IMPACT = 382.14 SF (0.009 AC)
- WETLAND ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 52,654.39 SF (1.209 AC)
- WETLAND CRITICAL CLEARING IMPACT = 9,961.96 SF (0.229 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 827.89 SF (0.190 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 12,358.40 SF (0.284 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**

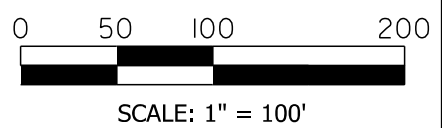
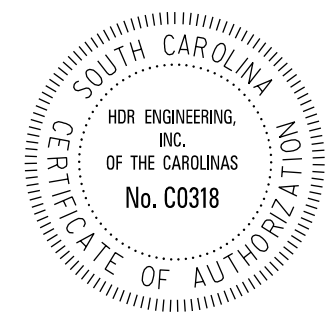


DATE: 1/18/2024 FILE: c:\pwworking\hdr\2025\2425\SHT_017_permitr_Plan.dgn



MATCHLINE SEE SHT. 17

MATCHLINE SEE SHT. 19



LEGEND

- FRESHWATER WETLAND
- CRITICAL WETLAND
- NON-WETLAND WATERS
- PERMANENT IMPACT
- CLEARING IMPACT
- NON-WETLAND WATERS IMPACT
- NON-WETLAND WATERS ARMORING IMPACT
- NON-WETLAND WATERS PIPE IMPACT
- BRIDGE CONSTRUCTION ACCESS
- ROADWAY
- PAVEMENT REMOVAL
- PROJECT STUDY AREA

IMPACTS THIS SHEET

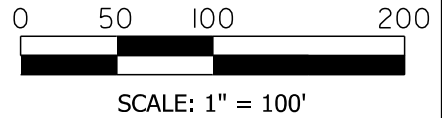
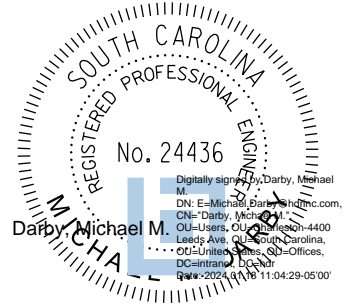
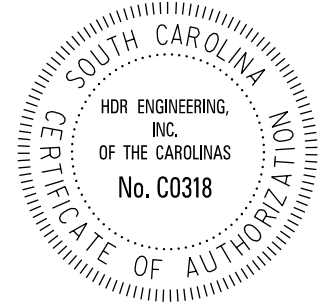
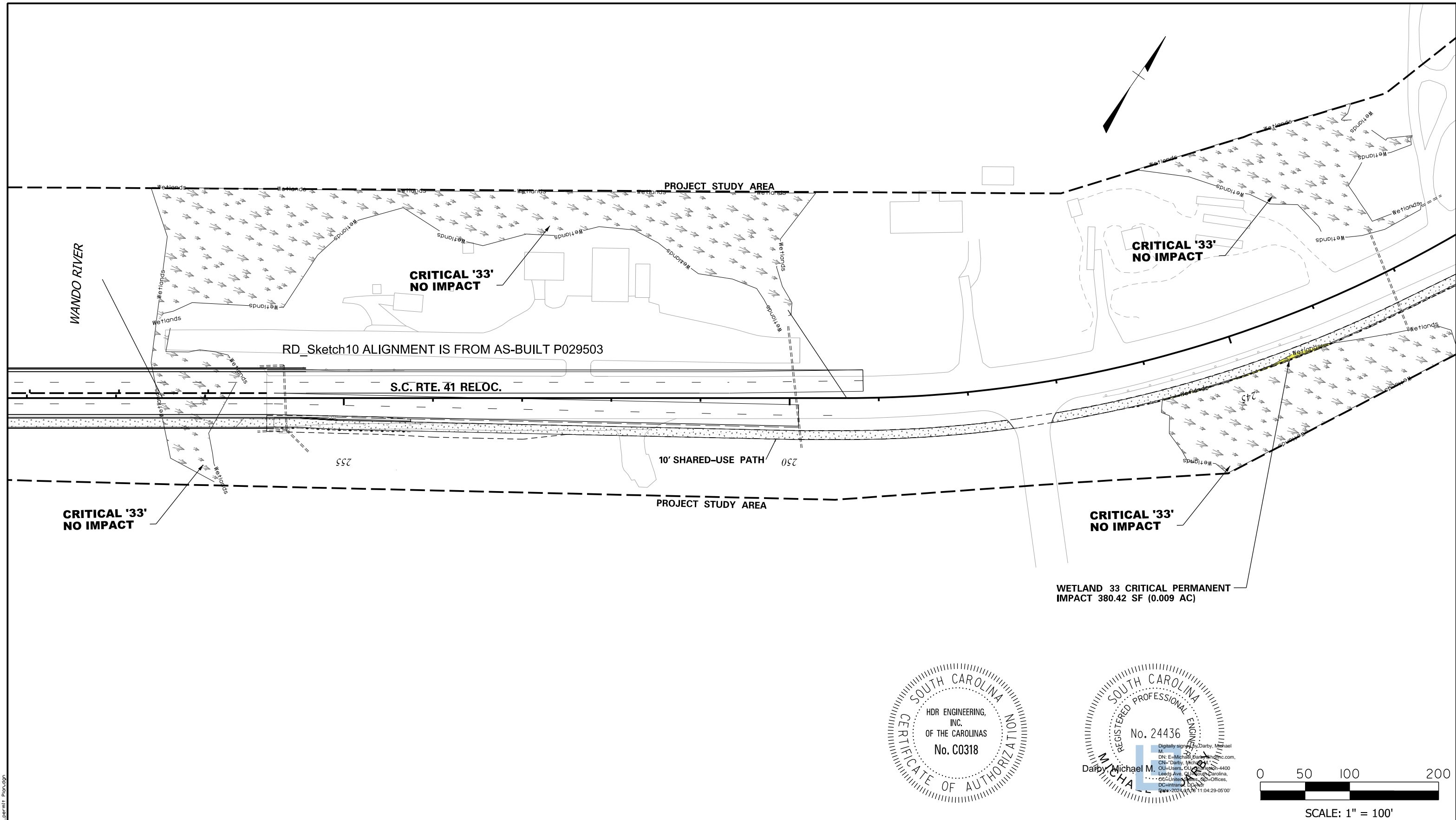
- WETLAND PERMANENT IMPACTS = 4,852.29 SF (0.111 AC)
- WETLAND CLEARING IMPACT = 1,146.69 SF (0.026 AC)
- WETLAND ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 2,436.88 SF (0.056 AC)
- WETLAND CRITICAL CLEARING IMPACT = 1,826.80 SF (0.419 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 921 SF (0.021 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023



DATE: 1/18/2024 FILE: c:\pwworking\hdr\2023\243\SHT_018_permit1 - Plan.dgn

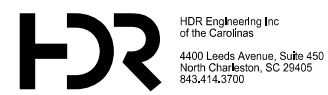


LEGEND

- FRESHWATER WETLAND
- CRITICAL WETLAND
- NON-WETLAND WATERS
- PERMANENT IMPACT
- CLEARING IMPACT
- NON-WETLAND WATERS ARMORING IMPACT
- NON-WETLAND WATERS PIPE IMPACT
- BRIDGE CONSTRUCTION ACCESS
- ROADWAY
- PAVEMENT REMOVAL
- PROJECT STUDY AREA

IMPACTS THIS SHEET

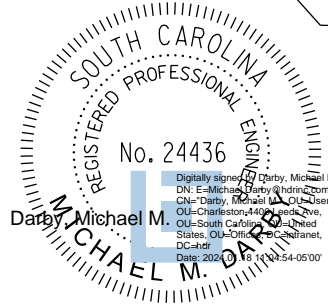
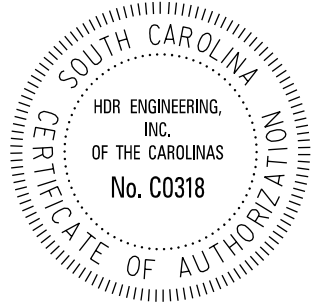
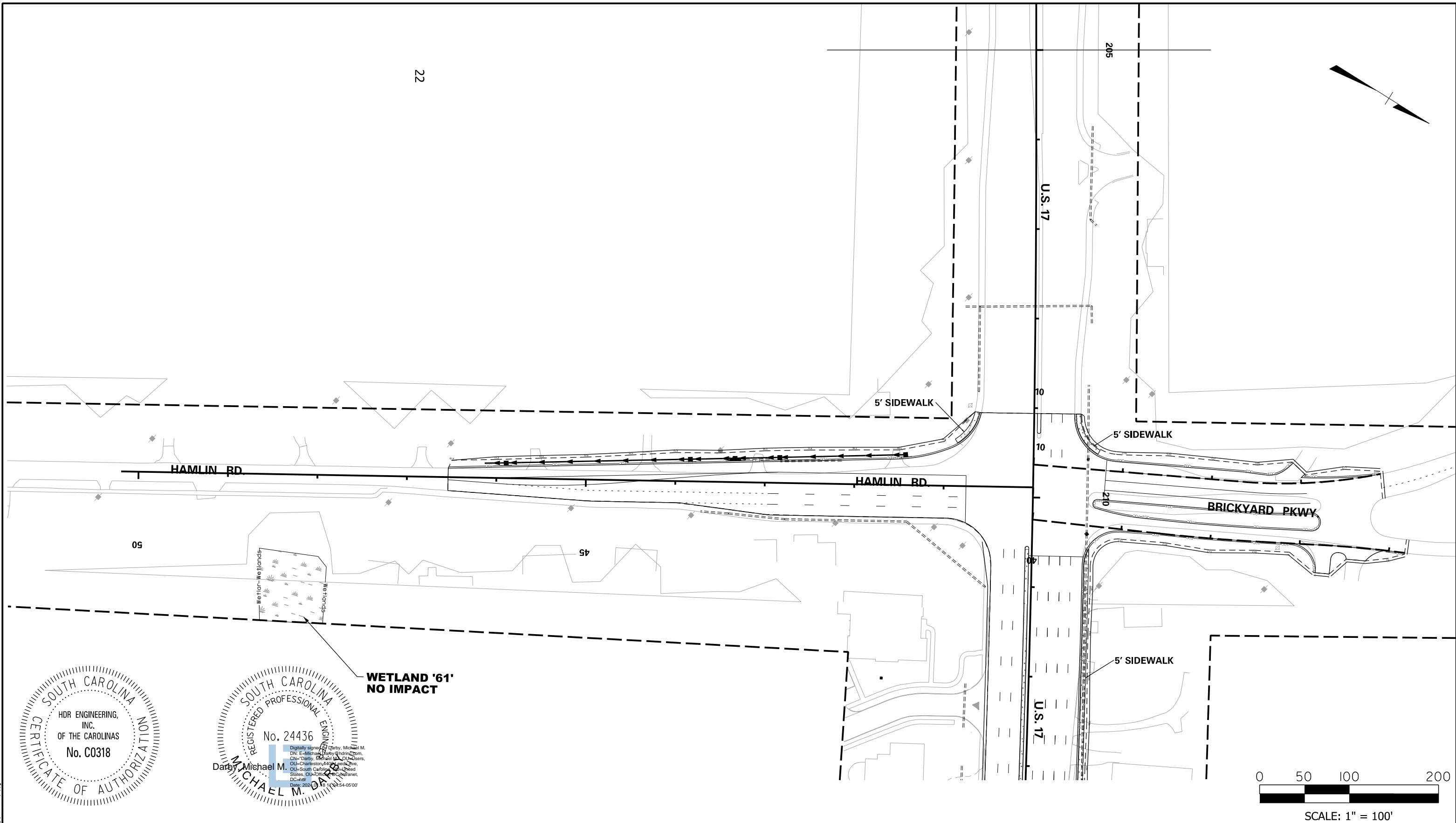
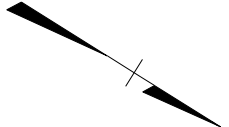
- WETLAND PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 380.42 SF (0.009 AC)
- WETLAND CRITICAL CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



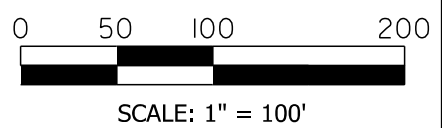
**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**



DATE: 1/18/2024 FILE: c:\pwworking\hdr\sc\0251423\SHT_020_permit_Plan.dgn



**WETLAND '61'
NO IMPACT**



LEGEND

- FRESHWATER WETLAND
- CRITICAL WETLAND
- NON-WETLAND WATERS
- PERMANENT IMPACT
- CLEARING IMPACT
- NON-WETLAND WATERS IMPACT
- NON-WETLAND WATERS ARMORING IMPACT
- NON-WETLAND WATERS PIPE IMPACT
- BRIDGE CONSTRUCTION ACCESS
- ROADWAY
- PAVEMENT REMOVAL
- PROJECT STUDY AREA

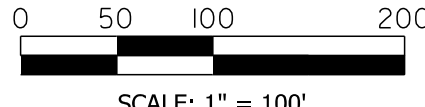
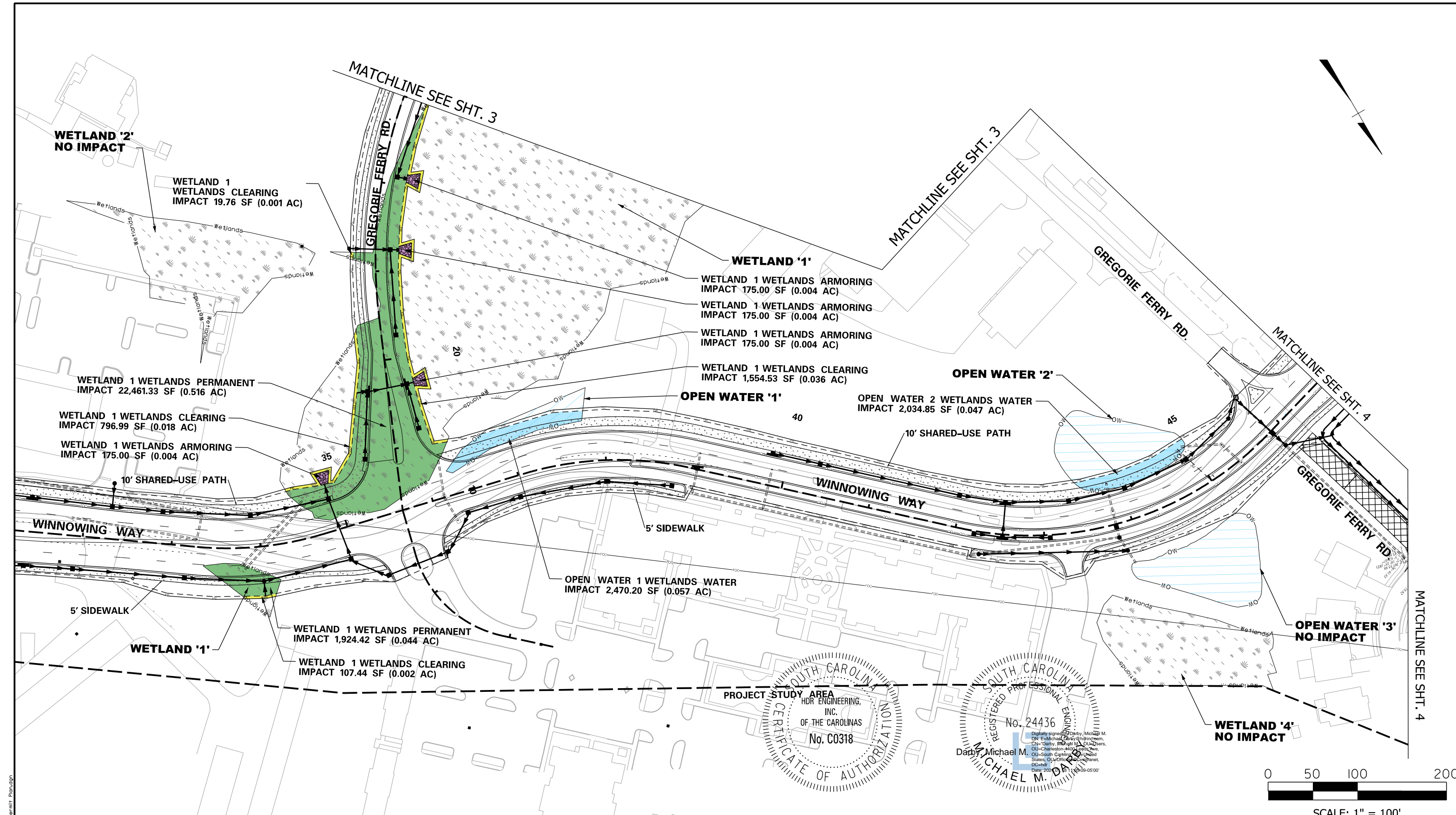
- IMPACTS THIS SHEET**
- WETLAND PERMANENT IMPACTS = 0 SF (0.000 AC)
 - WETLAND CLEARING IMPACT = 0 SF (0.000 AC)
 - WETLAND ARMORING IMPACTS = 0 SF (0.000 AC)
 - WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
 - WETLAND PIPE IMPACT = 0 LF
 - WETLAND CRITICAL PERMANENT IMPACTS = 0 SF (0.000 AC)
 - WETLAND CRITICAL CLEARING IMPACT = 0 SF (0.000 AC)
 - WETLAND CRITICAL ARMORING IMPACTS = 0 SF (0.000 AC)
 - WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
 - WETLAND CRITICAL PIPE IMPACT = 0 LF



**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**



DATE: 1/18/2024 FILE: c:\pwworking\houston\20251423\SHT_021_permit1 - Plot.dgn

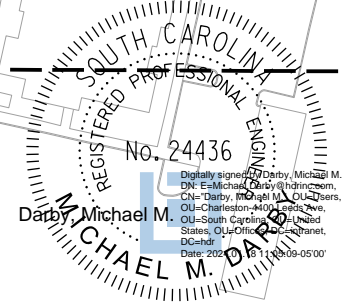


LEGEND

- | | | | | | |
|--|--------------------|--|------------------------------------|--|--------------------|
| | FRESHWATER WETLAND | | NON-WETLAND WATERS IMPACT | | PAVEMENT REMOVAL |
| | CRITICAL WETLAND | | NON-WETLAND WATERS ARMORING IMPACT | | PROJECT STUDY AREA |
| | NON-WETLAND WATERS | | NON-WETLAND WATERS PIPE IMPACT | | |
| | PERMANENT IMPACT | | BRIDGE CONSTRUCTION ACCESS | | |
| | CLEARING IMPACT | | ROADWAY | | |

IMPACTS THIS SHEET

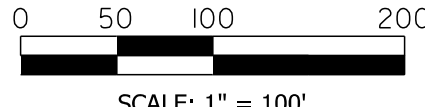
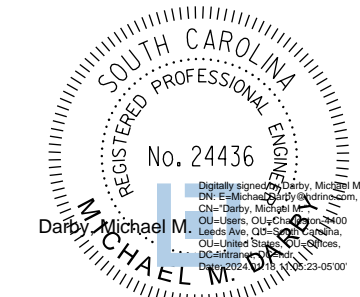
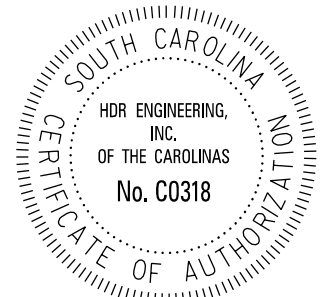
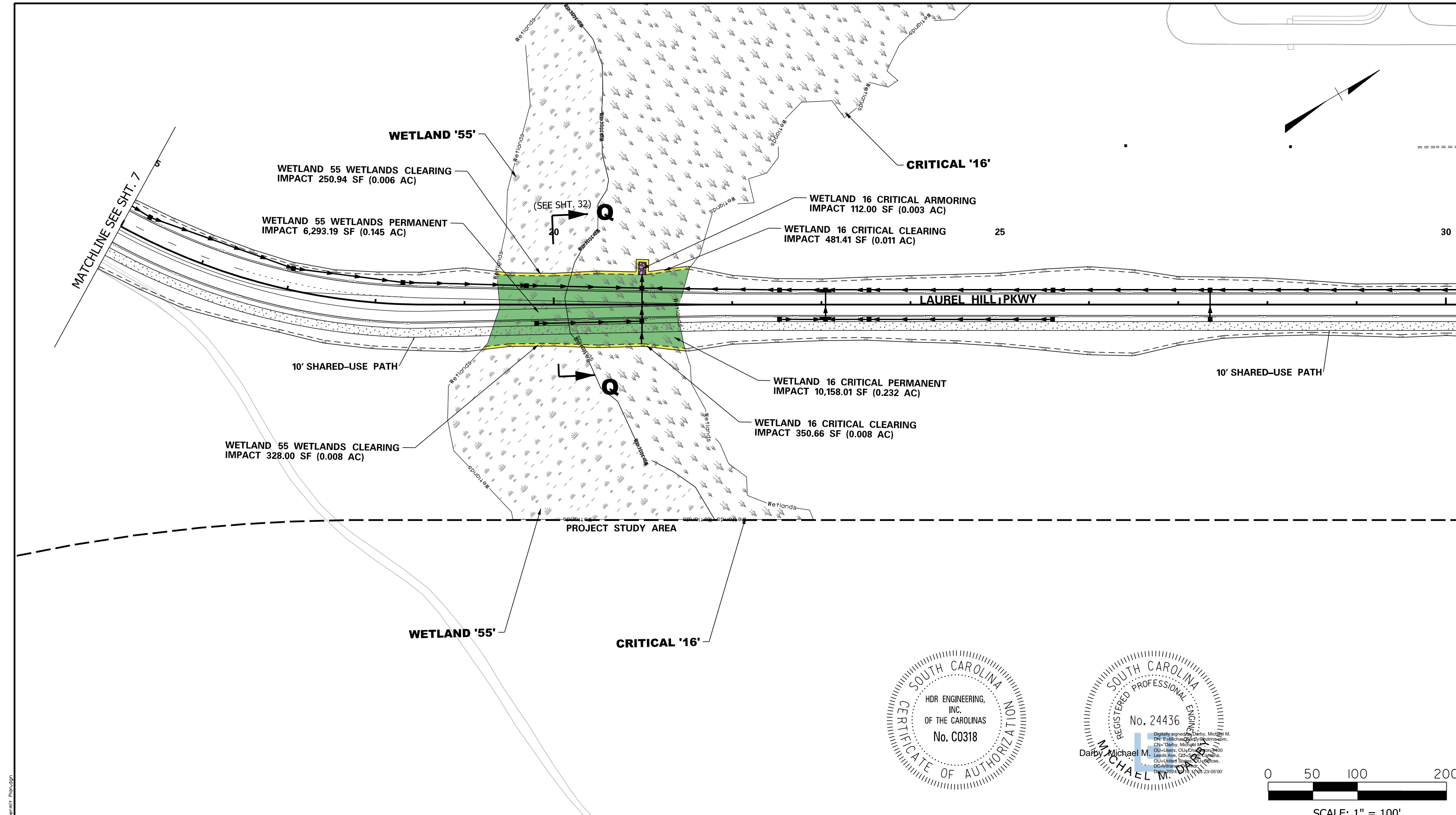
- WETLAND PERMANENT IMPACTS = 24,385.75 SF (0.550 AC)
- WETLAND CLEARING IMPACT = 2,478.71 SF (0.057 AC)
- WETLAND ARMORING IMPACTS = 700.00 SF (0.016 AC)
- WETLAND OPEN WATERS IMPACT = 4,505.05 SF (0.103 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023



DATE: 1/18/2024 FILE: c:\pwworking\hdr\2023\423\SHT_022_permit1_Plan.dwg



LEGEND

- | | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |

IMPACTS THIS SHEET

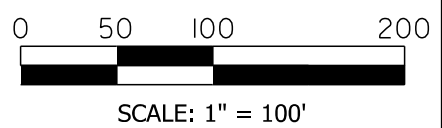
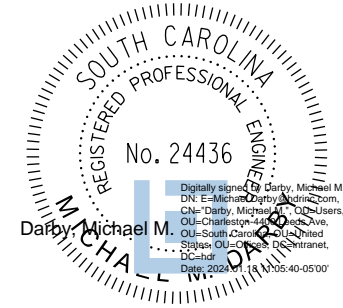
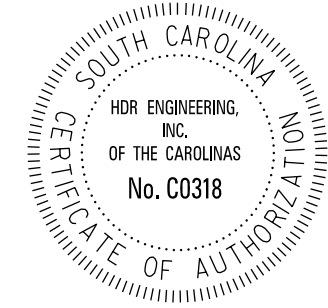
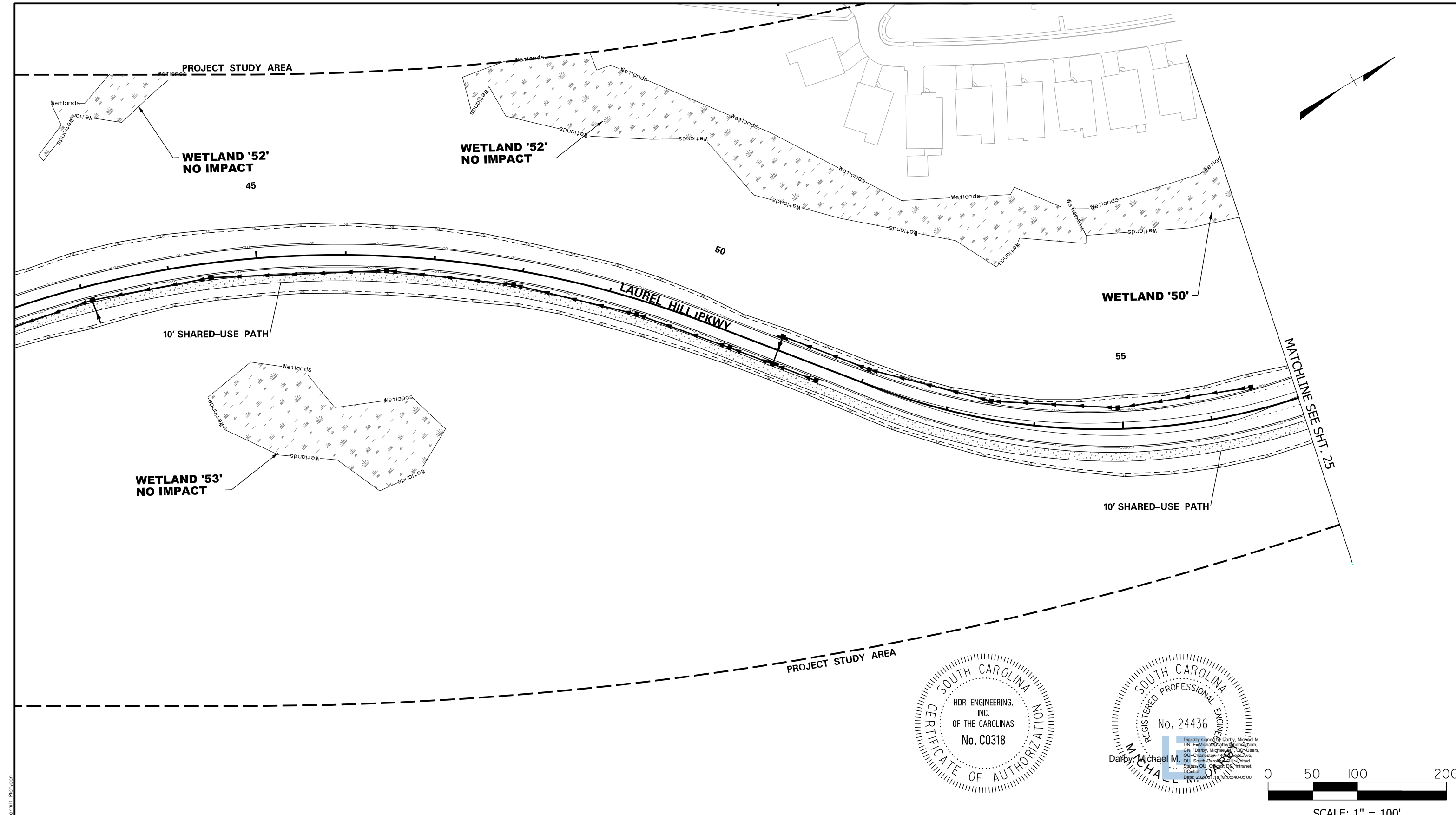
- WETLAND PERMANENT IMPACTS = 6,293.19 SF (0.145 AC)
- WETLAND CLEARING IMPACT = 578.94 SF (0.013 AC)
- WETLAND ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 10,158.01 SF (0.232 AC)
- WETLAND CRITICAL CLEARING IMPACT = 832.07 SF (0.019 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 112 SF (0.003 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**



DATE: 1/18/2024 FILE: c:\pwworking\hdr\2024\23-SHT-023_permit-1_Plan.dgn




DATE: 1/18/2024 FILE: c:\pwworking\hdr\2024\23\231024\231024_permit_1_permit_1.dwg

| LEGEND | | | |
|--------|------------------------------------|--|--------------------|
| | FRESHWATER WETLAND | | PAVEMENT REMOVAL |
| | CRITICAL WETLAND | | PROJECT STUDY AREA |
| | NON-WETLAND WATERS | | |
| | PERMANENT IMPACT | | |
| | CLEARING IMPACT | | |
| | NON-WETLAND WATERS IMPACT | | |
| | NON-WETLAND WATERS ARMORING IMPACT | | |
| | NON-WETLAND WATERS PIPE IMPACT | | |
| | BRIDGE CONSTRUCTION ACCESS | | |
| | ROADWAY | | |

| IMPACTS THIS SHEET | |
|---------------------------------------|-------------------|
| WETLAND PERMANENT IMPACTS | = 0 SF (0.000 AC) |
| WETLAND CLEARING IMPACT | = 0 SF (0.000 AC) |
| WETLAND ARMORING IMPACTS | = 0 SF (0.000 AC) |
| WETLAND OPEN WATERS IMPACT | = 0 SF (0.000 AC) |
| WETLAND PIPE IMPACT | = 0 LF |
| WETLAND CRITICAL PERMANENT IMPACTS | = 0 SF (0.000 AC) |
| WETLAND CRITICAL CLEARING IMPACT | = 0 SF (0.000 AC) |
| WETLAND CRITICAL ARMORING IMPACTS | = 0 SF (0.000 AC) |
| WETLAND CRITICAL CONST. ACCESS IMPACT | = 0 SF (0.000 AC) |
| WETLAND CRITICAL PIPE IMPACT | = 0 LF |

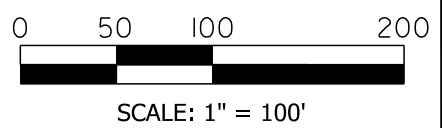
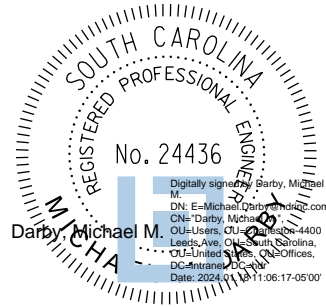
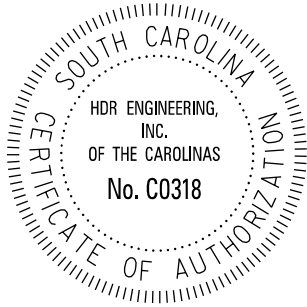
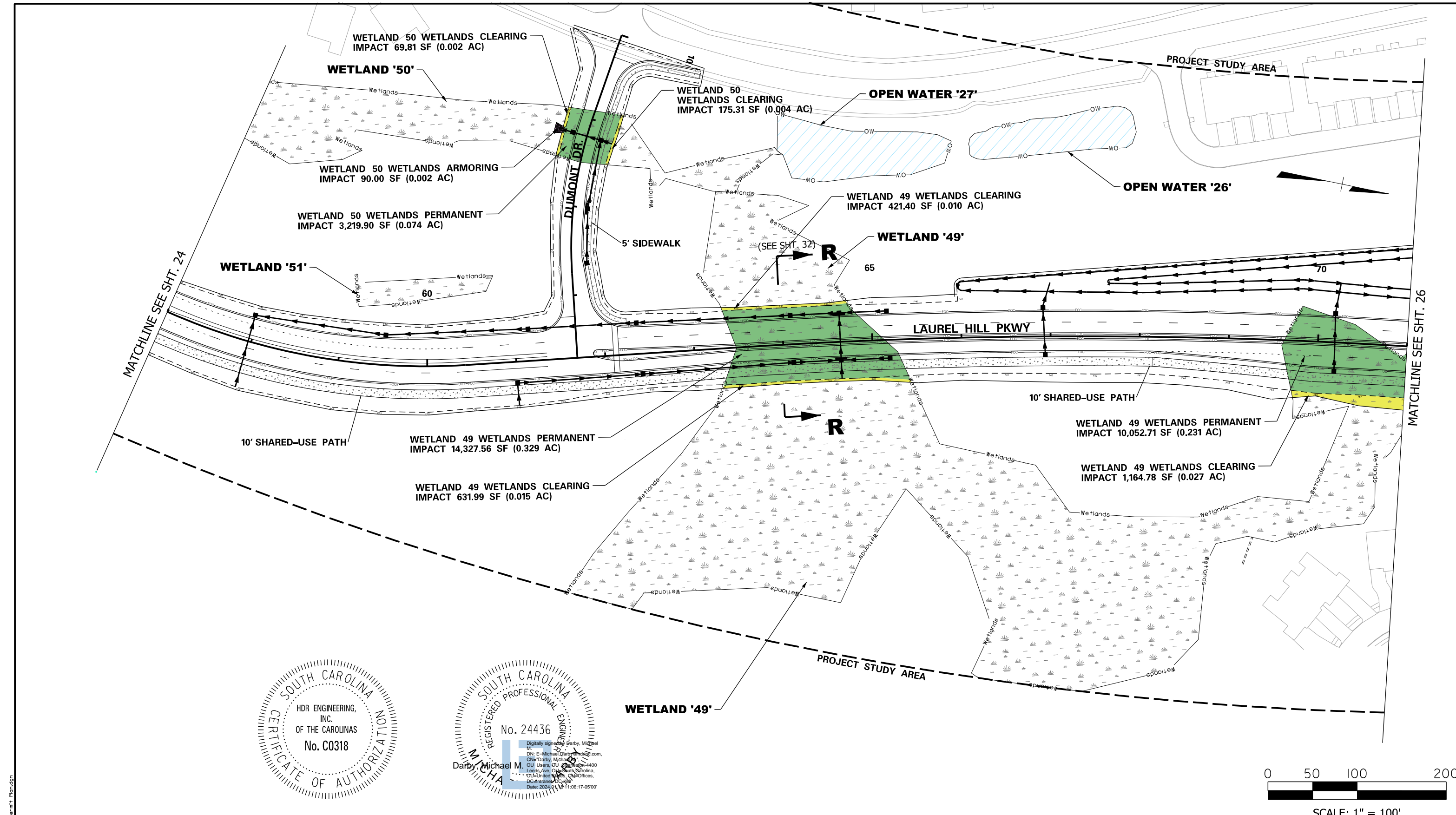


**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**



CHARLESTON COUNTY
SOUTH CAROLINA

SHEET 24 OF 33



LEGEND

- | | | | | | |
|--|---------------------------|--|------------------------------------|--|--------------------|
| | FRESHWATER WETLAND IMPACT | | NON-WETLAND WATERS ARMORING IMPACT | | PAVEMENT REMOVAL |
| | CRITICAL WETLAND | | NON-WETLAND WATERS PIPE IMPACT | | PROJECT STUDY AREA |
| | NON-WETLAND WATERS | | BRIDGE CONSTRUCTION ACCESS | | |
| | PERMANENT IMPACT | | ROADWAY | | |
| | CLEARING IMPACT | | | | |

IMPACTS THIS SHEET

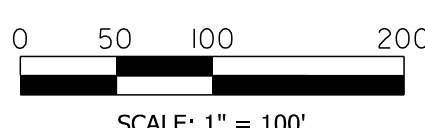
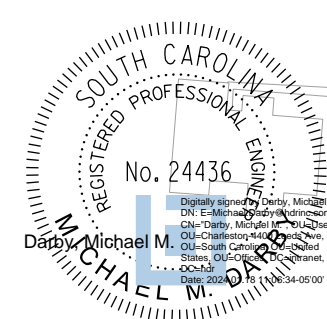
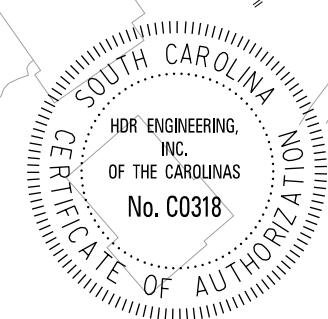
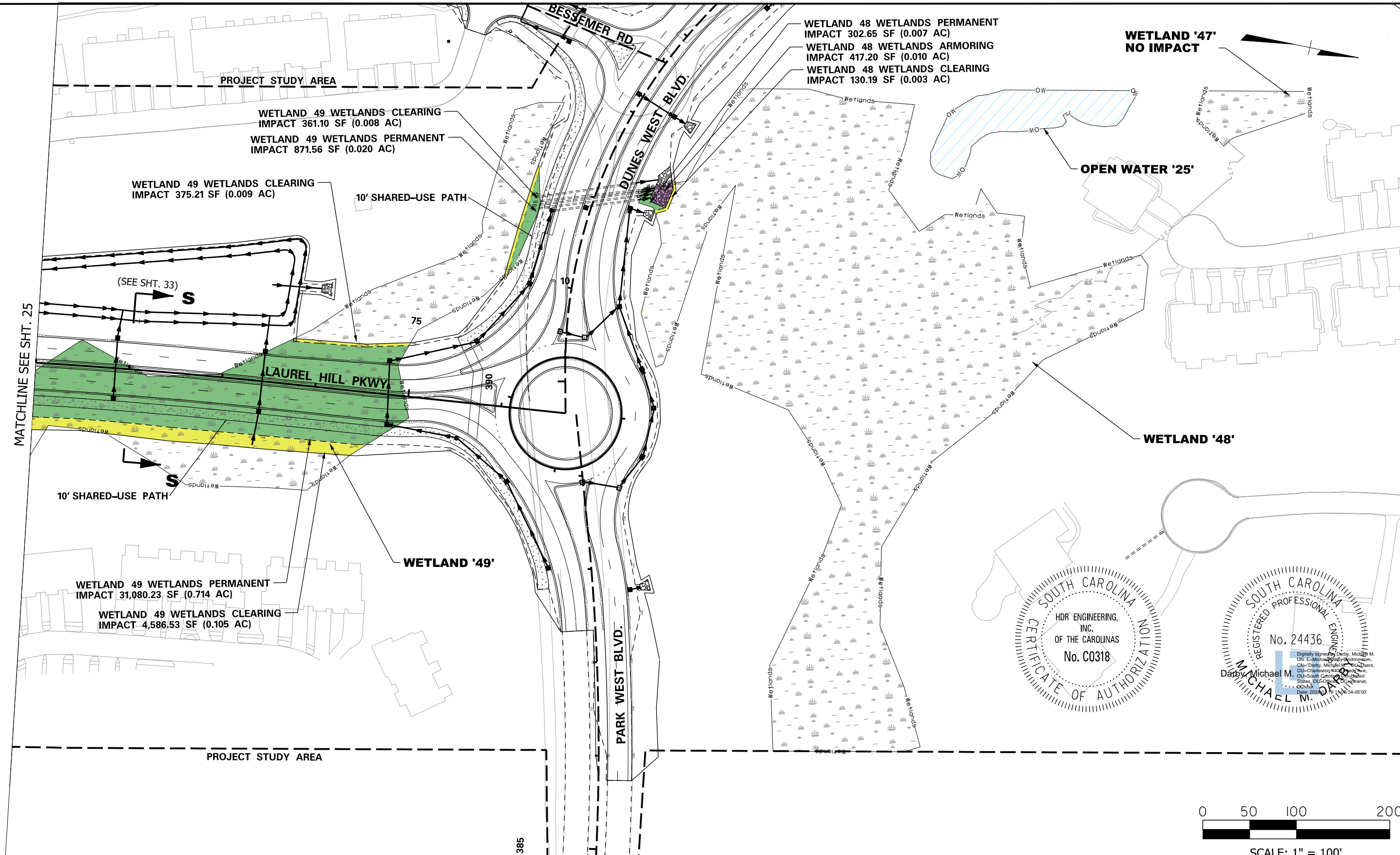
- WETLAND PERMANENT IMPACTS = 27,600.17 SF (0.634 AC)
- WETLAND CLEARING IMPACT = 2,463.29 SF (0.057 AC)
- WETLAND ARMORING IMPACTS = 90.00 SF (0.002 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**



DATE: 1/18/2024 FILE: c:\pwworking\hdr\2023\423\Sht_025_permit_Plan.dgn



LEGEND

- FRESHWATER WETLAND
- CRITICAL WETLAND
- NON-WETLAND WATERS
- PERMANENT IMPACT
- CLEARING IMPACT 27
- NON-WETLAND WATERS ARMORING IMPACT
- NON-WETLAND WATERS PIPE IMPACT
- BRIDGE CONSTRUCTION ACCESS
- ROADWAY
- PAVEMENT REMOVAL
- PROJECT STUDY AREA

IMPACTS THIS SHEET

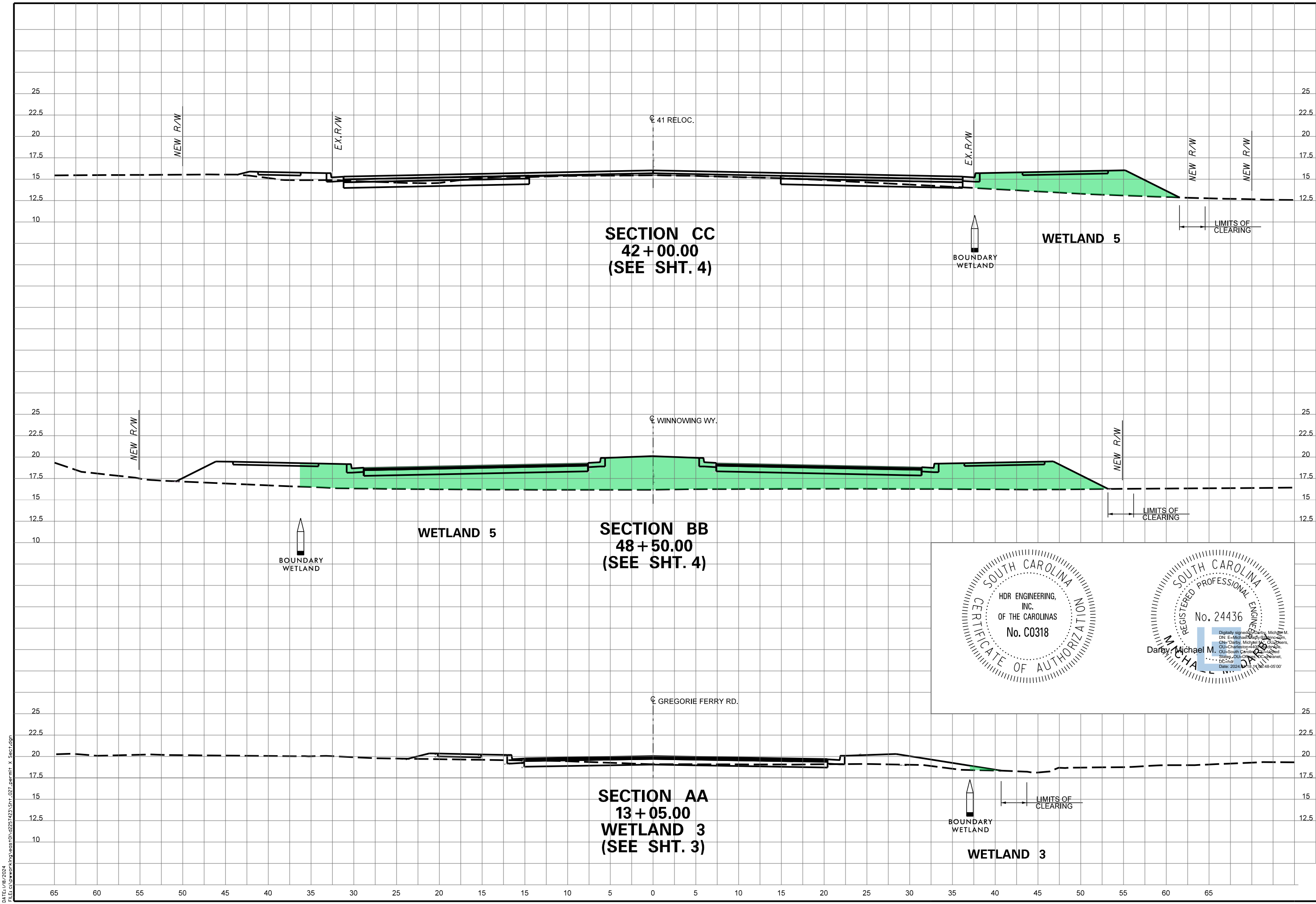
- WETLAND PERMANENT IMPACTS = 32,254.44 SF (0.740)
- WETLAND CLEARING IMPACT = 5,456.03 SF (0.117)
- WETLAND ARMORING IMPACTS = 417.20 SF (0.010 AC)
- WETLAND OPEN WATERS IMPACT = 0 SF (0.000 AC)
- WETLAND PIPE IMPACT = 0 LF
- WETLAND CRITICAL PERMANENT IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CLEARING IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL ARMORING IMPACTS = 0 SF (0.000 AC)
- WETLAND CRITICAL CONST. ACCESS IMPACT = 0 SF (0.000 AC)
- WETLAND CRITICAL PIPE IMPACT = 0 LF



**S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023**



DATE: 1/18/2024 FILE: c:\pwworking\hdx\2023\423\Sht_026_permit1_Plan.dgn



WETLAND PERMANENT IMPACT

WETLAND CRITICAL PERMANENT IMPACT

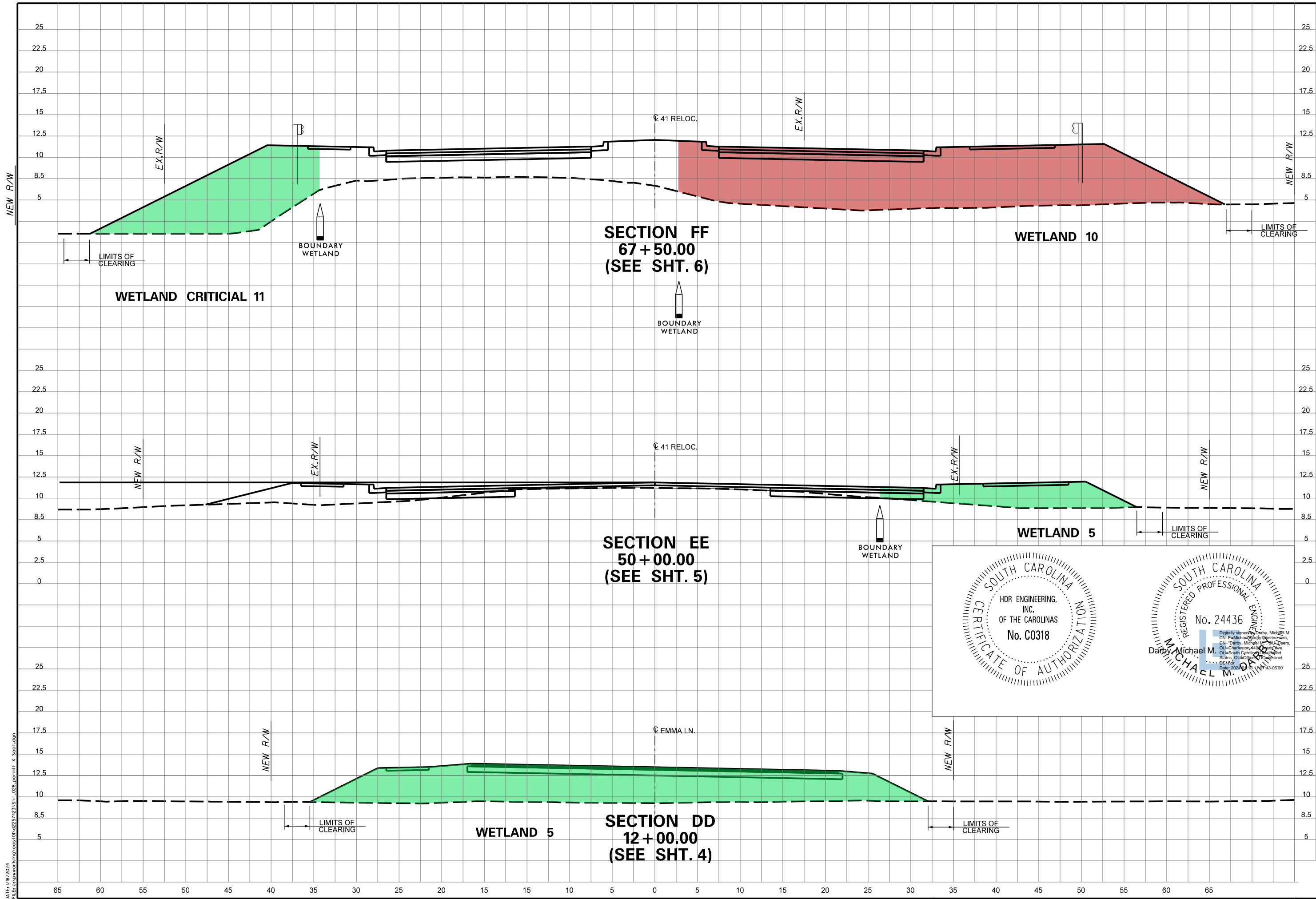



S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023


SOUTH CAROLINA
CERTIFICATE OF AUTHORIZATION
 HDR ENGINEERING, INC.
 OF THE CAROLINAS
 No. C0318


SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
 No. 24436
 Darby Michael M.
 Digitally signed by Darby Michael M., DN: cn=Darby Michael M., ou=Engineers, ou=Charleston County, ou=South Carolina, email=Darby.Michael@hdr.com, c=US, Date: 2023.03.15 14:48:05-07'00'

DATE: 1/18/2024
 FILE: c:\p\working\aveast\02251423\Sht_027_permit.x_sct.rdg



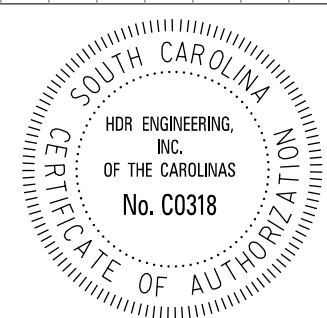

WETLAND PERMANENT IMPACT
 WETLAND PERMANENT IMPACT

WETLAND CRITICAL PERMANENT IMPACT
 WETLAND CRITICAL PERMANENT IMPACT



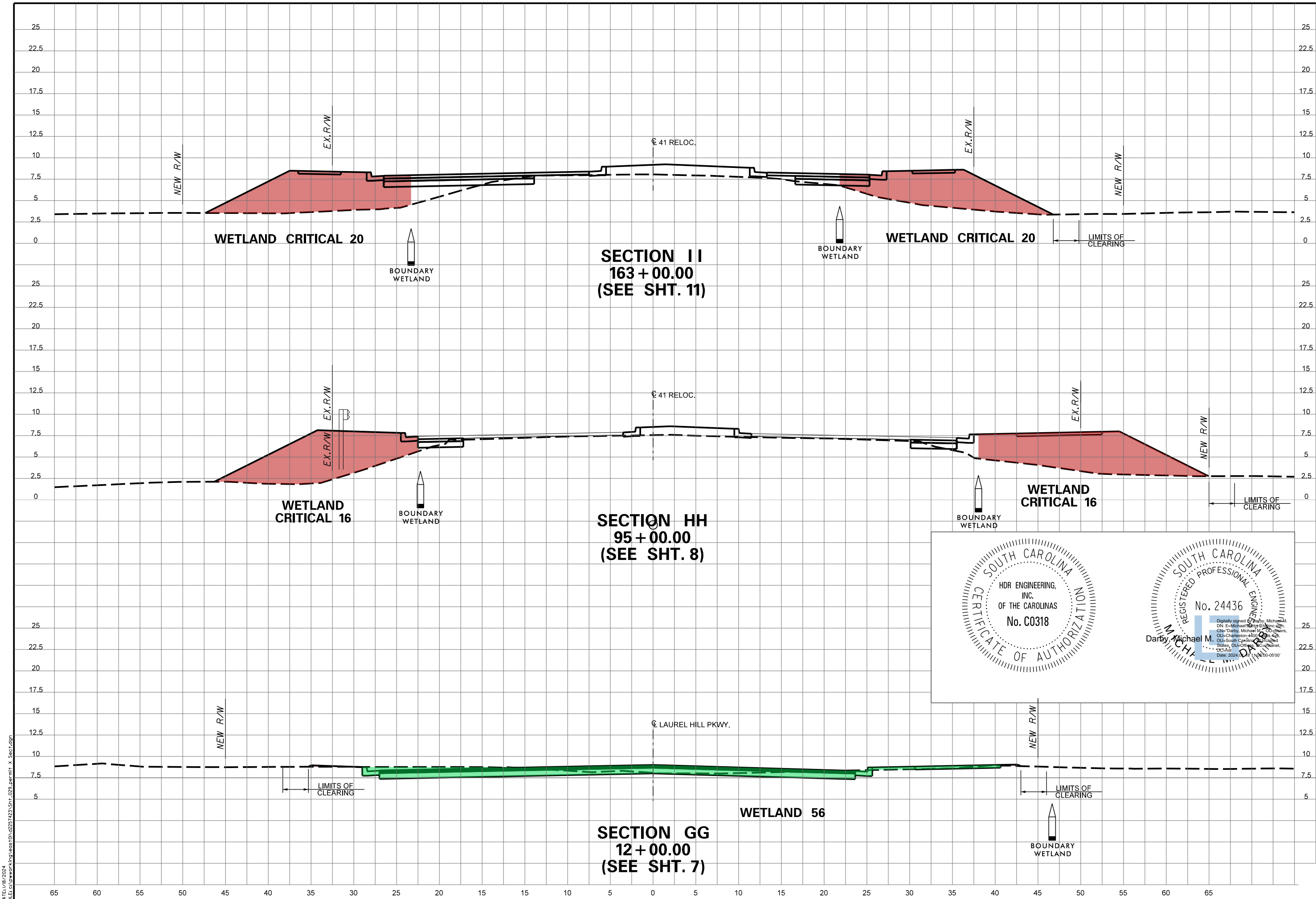
CLARENCE
 CHARLESTON COUNTY
 SOUTH CAROLINA

S.C. 41 CORRIDOR IMPROVEMENTS
 CHARLESTON COUNTY, S.C.
 APPLICATION BY CHARLESTON COUNTY, S.C.
 March 15, 2023

DATE: 1/18/2024
 FILE: c:\p\working\aveest\02251423\SHT-028_permit-x_Sect.rdg

SHEET 28 OF 33



WETLAND PERMANENT IMPACT (Green box)

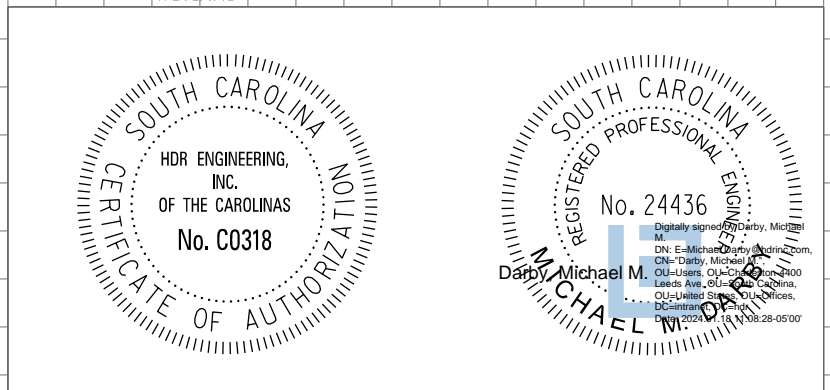
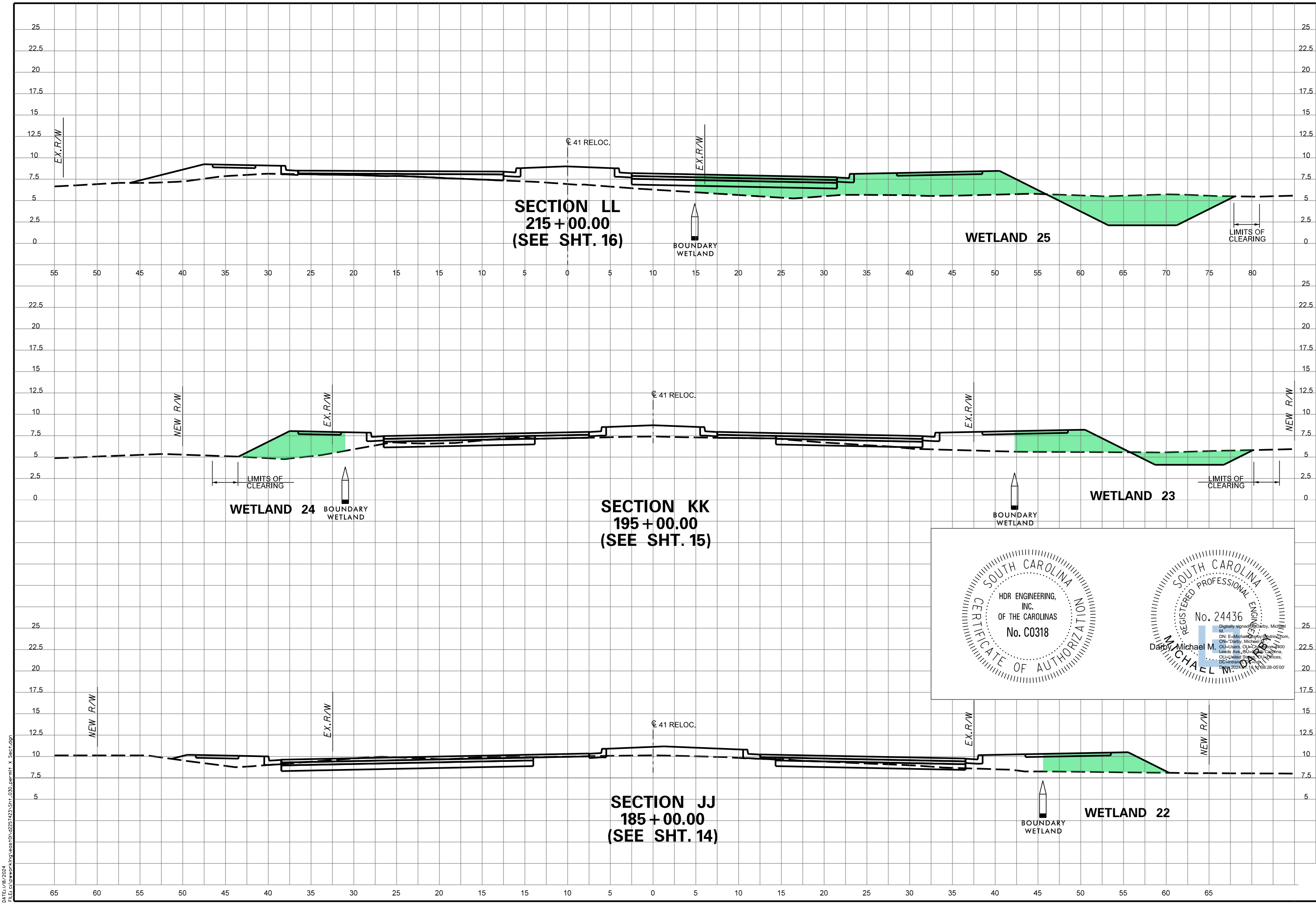
WETLAND CRITICAL PERMANENT IMPACT (Red box)

S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023

SOUTH CAROLINA
CERTIFICATE OF AUTHORIZATION
 HDR ENGINEERING, INC.
 OF THE CAROLINAS
 No. C0318

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
 No. 24436
 Digitally signed by Michael M. Darby
 DN: cn=Michael M. Darby, o=HDR Engineering, Inc., ou=Charleston, c=US
 Michael M. Darby
 Registered Professional Engineer
 State of South Carolina
 License No. 24436
 Date: 2024.03.15 11:00:05-0500

DATE: 1/18/2024
 FILE: c:\pwworking\hdr\easton\2251423\Sht_029_permit1_x_Sect1.dgn



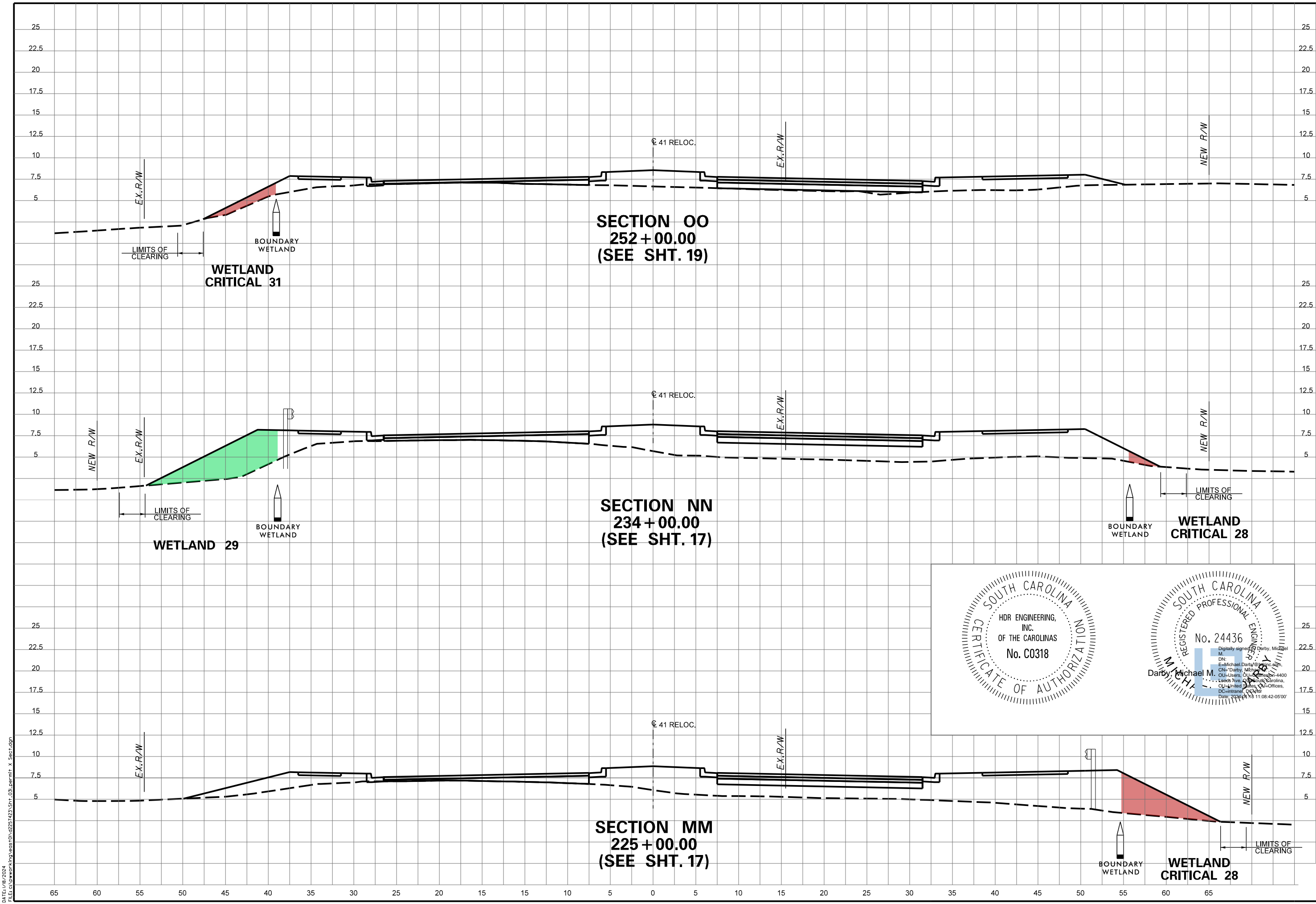
WETLAND PERMANENT IMPACT

WETLAND CRITICAL PERMANENT IMPACT

CLAYTON COUNTY
SOUTH CAROLINA

S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023

DATE: 1/18/2024
FILE: c:\pwworking\hdr\easton\2251423\Sht_030_permit_x_Sec1.rgn

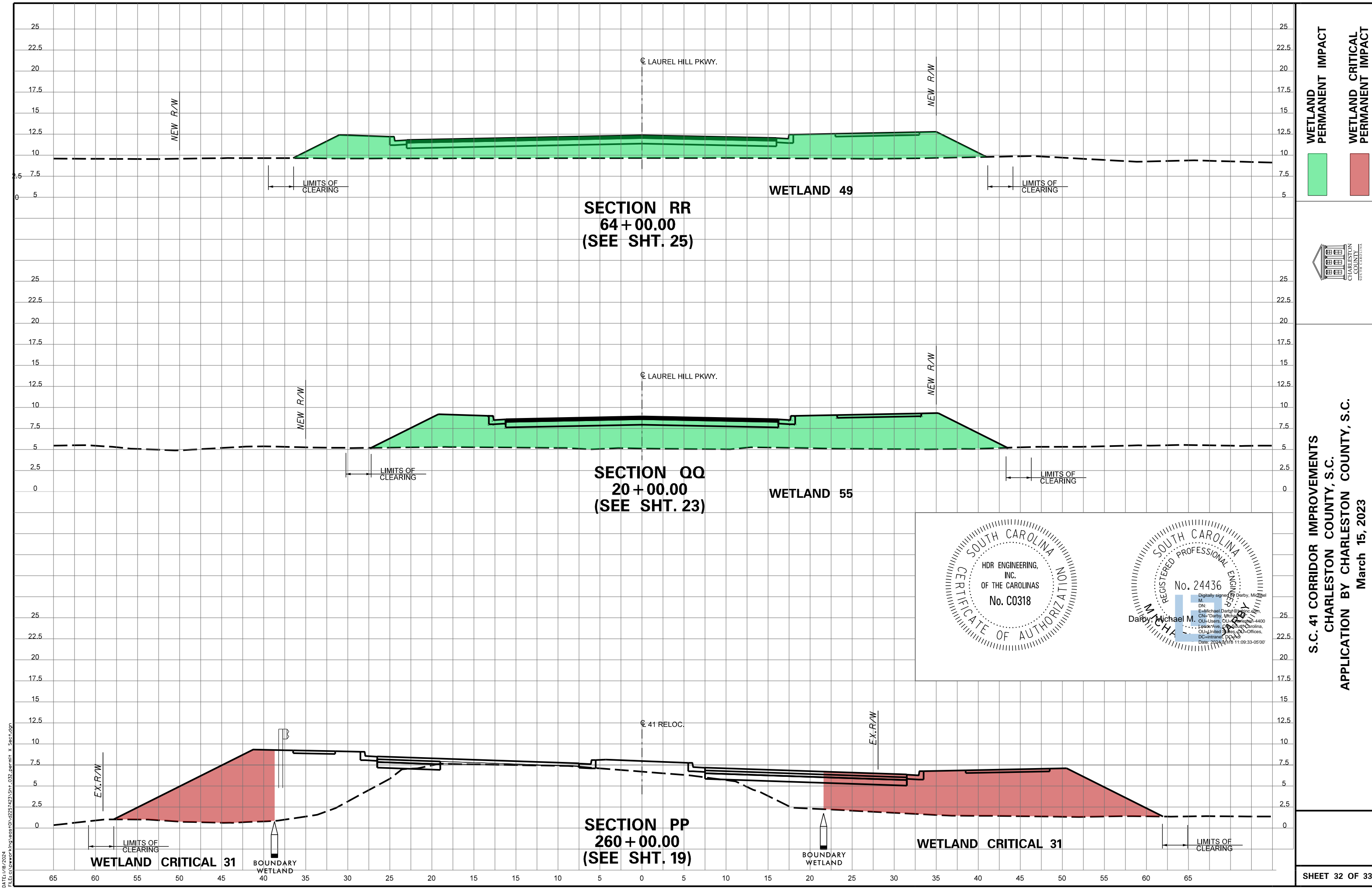


WETLAND PERMANENT IMPACT

WETLAND CRITICAL PERMANENT IMPACT

S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023

DATE: 1/18/2024
 FILE: c:\pwworking\hdr\easton\2251423\SHT-031_permit.rvt x Sect.dgn

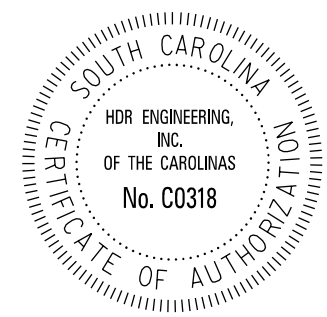


WETLAND PERMANENT IMPACT

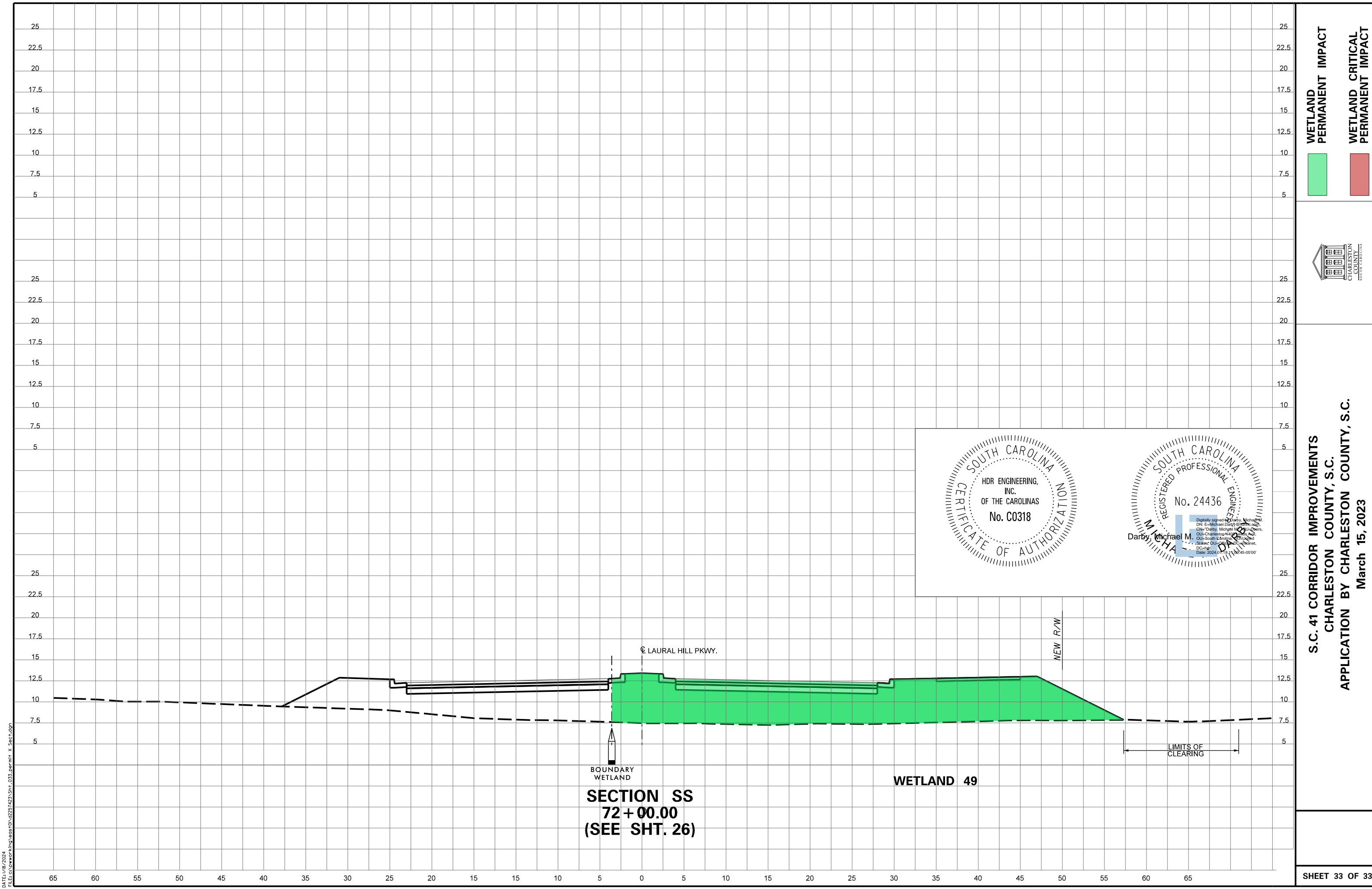

WETLAND CRITICAL PERMANENT IMPACT




S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023

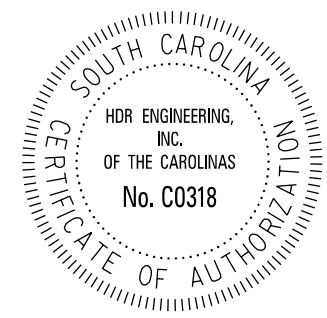


DATE: 1/18/2024
 FILE: c:\pwworking\hdr\projects\2023\41\31\SHT_032_permit.x_sct.dwg



WETLAND PERMANENT IMPACT


WETLAND CRITICAL PERMANENT IMPACT

S.C. 41 CORRIDOR IMPROVEMENTS
CHARLESTON COUNTY, S.C.
APPLICATION BY CHARLESTON COUNTY, S.C.
March 15, 2023

DATE: 1/18/2024
 FILE: c:\p\working\aveest\02251423\SH-033_permit1_x_Sect.rdg

NEW R/W