FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.	TOTAL SHEETS
3	S.C.	BEAUFORT			1	55

RELEASED FOR CONSTRUCTION

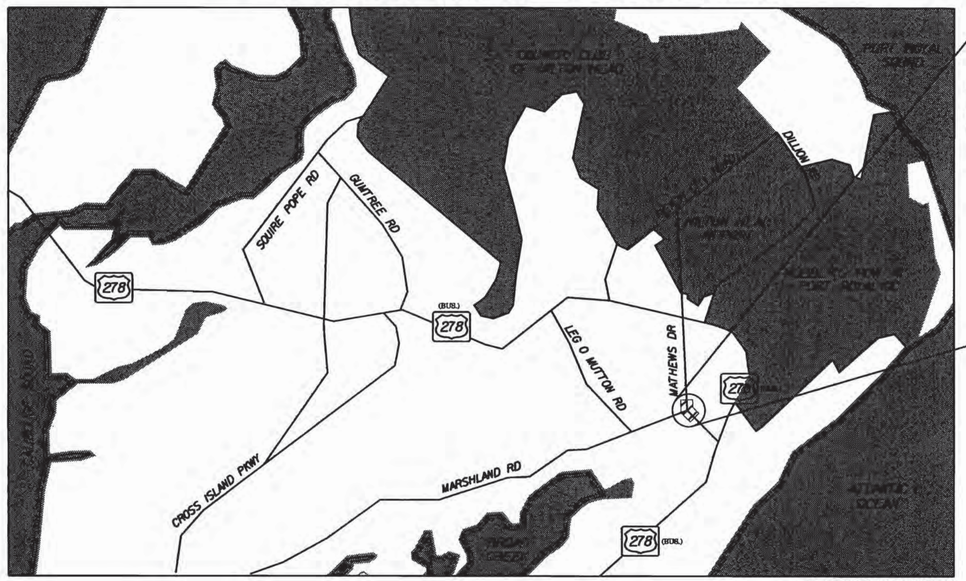
TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

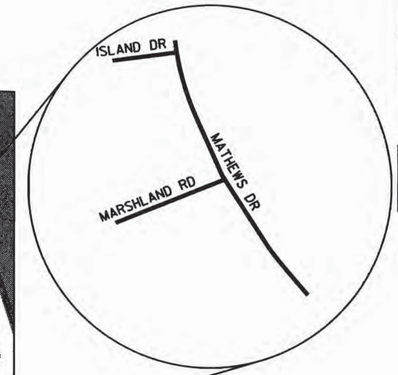
INDEX OF SHEETS

SHEET NO.	DESCRIPTION	SHEET SUBTOTAL
1	TITLE SHEET	1
2	SUMMARY OF QUANTITIES	1
3 - 3B	TYPICAL SECTIONS	3
4 - 4A	STAKING PLANS	2
4B	RIGHT-OF-WAY DATA SHEET	1
4C	RIGHT-OF-WAY LAYOUT SHEET	1
5	GENERAL CONSTRUCTION NOTES	1
6-8	CONSTRUCTION PLANS	3
9	INTERSECTION DETAIL SHEET	1
10 - 13	PROFILE SHEETS	4
D 6 - D 8	DRAINAGE PLANS	3
TC 1 - TC 10	TRAFFIC CONTROL PLANS	10
PM 6 - PM 8	PAVEMENT MARKING AND SIGNING PLANS	4
UT 6 - UT 8	UTILITY PLANS	3
EC 5 - EC 12	EROSION AND SEDIMENTATION CONTROL PLANS	8
CS 6 - CS 8	CLEARING PLANS	3
XS1 - XS6	CROSS SECTIONS	6
	TOTAL	55

MATHEWS DRIVE - MARSHLAND ROAD ROUNDABOUT PROJECT

BEAUFORT COUNTY





N

BEAUFORT COUNTY

NOT TO SCALE

LAYOUT

NPDES PERMIT INFORMATION

NPDES Disturbed

Area = 0.70 Acre(s)

Approximate Location of Roadway is

Longitude 80°42'08"

Latitude 32°12'20"

RAILROAD INVOLVEMENT ?

YES (NO)

Design Reference for these plans is the:

2004

AASHTO "A Policy on Geometric Design of Highways and Streets"

TRAFFIC DATA

13,500 ADT 2006

19,500 ADT 2026

TRUCKS 2 %

Certification Statement

These plans were prepared and certified by the consultant for completeness.

NET LENGTH OF ROADWAY (MATHEWS DRIVE)	0.18	MILES
NET LENGTH OF ROADWAY (SIDE STREETS)	0.07	MILES
NET LENGTH OF PROJECT	0.25	MILES
LENGTH OF EXCEPTIONS	0.0	MILES
GROSS LENGTH OF PROJECT	0.25	MILES

EQUALITIES IN STATIONING = NONE

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA

CALL 1-888-721-7877

PALMETTO UTILITY PROTECTION SERVICE

NOTE: ALL WORKMANSHIP AND MATERIAL ON THIS PROJECT TO CONFORM WITH SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (2007), AND BOOK OF STANDARD DRAWINGS FOR ROAD CONSTRUCTION (2010).

APPROVED FOR

DATE

MAYOR

COUNCIL MEMBERS

CLERK

DESIGN AND PLANS BY

COLEMAN-SNOW CONSULTANTS, LLC.

CONSULTING ENGINEERS

1691 TURNBULL AVENUE

NORTH CHARLESTON, SC 29405

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 21295 CHRIS DANIEL BOBROWSKI

01-23-13

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1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			2

RELEASED FOR CONSTRUCTION

SUMMARY OF QUANTITIES

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
1031000	MOBILIZATION	LS	1
1050800	CONST. STAKES, LINES, & GRADES	LS	1
1071000	TRAFFIC CONTROL	LS	1
1090200	AS BUILT CONSTRUCTION PLANS	LS	1
2012000	CLEARING AND GRUBBING WITHIN ROADWAY	LS	1
2021005	REM & DISP STRM DRN BOXES	EA	2
2024100	REMOVAL & DISPOSAL OF EXISTING CURB	LF	543
2025000	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT ROADWAY	SY	1083
2025000A	REMOVAL & DISPOSAL OF EXISTING ASPHALT PAVEMENT DRIVEWAYS	SY	46
2027000	REMOVAL & DISPOSAL OF EXISTING CONCRETE	CY	61
2031200	SITE EXCAVATION	LS	1
2033000	BORROW EXCAVATION	CY	865
2103000	FLOWABLE FILL	CY	33
3050104	GRADED AGGREGATE BASE COURSE (4 1/2 " UNIFORM)	SY	748
3100310	HOT MIX ASPHALT AGGREGATE BASE COURSE, TYPE B	TN	177
4011004	LIQUID ASPHALT BINDER, PG64-22	TN	106
4013990	MILLING EXISTING ASPHALT PAVEMENT (VARIABLE)	SY	2628
4020320	HOT MIX ASPHALT INTERMEDIATE COURSE, TYPE B	TN	802
4030320	HOT MIX ASPHALT SURFACE COURSE, TYPE B	TN	588
4030350	HOT MIX ASPHALT SURFACE COURSE, TYPE D	TN	51
4030360	HOT MIX ASPHALT SURFACE COURSE, TYPE E LEVELING	TN	511
5011100	PORTLAND CEMENT CONCRETE PAVEMENT - 8" UNIFORM	SY	308
6051120	PERMANENT CONSTRUCTION SIGNS (GROUND MOUNTED)	SF	228
6250020	12" WHITE SOLID LINE-FAST DRY PAINT	LF	14
6250110	4" YELLOW SOLID LINE-FAST DRY PAINT	LF	60
6271005	4" WHITE BROKEN LINES (GAPS EXCL.) THERMO. - 90 MIL	LF	310
6271010	4" WHITE SOLID LINE (PVT. EDGE LINES) THERMO. - 90 MIL	LF	2711
6271015	8" WHITE SOLID LINES THERMOPLASTIC - 125 MIL.	LF	893
6271023	12IN x 18IN WHITE TRIANG. YIELD BAR THERMO.-125 MIL	LF	40
6271025	24" WHITE SOLID LINES (STOP/DIAG LINES) THERMO. - 125 MIL	LF	285
6271030	WHITE SINGLE ARROWS (LT, STRGHT, RT) THERMO. - 125 MIL	EA	4
6271035	WHITE WORD MESSAGE "ONLY" - THERMO. 125 MIL	EA	4
6271043	WHITE LANE DROP ARROW(LT.OR RT.)THERMO-125MIL	EA	3
6271074	4" YELLOW SOLID LINES (PVT. EDGE LINES) THERMO. - 90 MIL	LF	2141
6271078	8" YELLOW SOLID LINES (PVT. EDGE LINES) THERMO - 90 MIL.	LF	273
6510105	FLAT SHEET, T-3, FIXED SIZE & MSG	SF	104
6531210	U-SEC. POST FOR SGN SUPP. - 3P	LF	214
7011800	CONC.CURB AND GUTTER W/FLUME	EA	8

ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
7141113	18" RC PIPE CUL - CLASS III - w/ASTM C443 JNT	LF	56
7142513	18" R.C. PIPE CUL. BEVELED END SECTN - CL 3 - w/ASTM C443 JNT	EA	1
7191605	CATCH BASIN - TYPE 16	EA	1
7197110	ADJUST CATCH BASIN (FOR SEAL OF BOX CULVERT)	EA	1
7197120	ADJUST MANHOLE	EA	3
7201000	CONCRETE CURB (9"X15")	LF	182
7203110	CONC.CURB & GUTTER(1'-6")VERT.	LF	1709
7203130	CONCRETE CURB & GUTTER (1'-6" OGEE)	LF	270
7204100	CONCRETE SIDEWALK (4" UNIFORM)	SY	61
7204200	HANDICAP RAMP (CONCRETE)	EA	4
7204900	DETECTABLE WARNING SURFACE	SF	80
7206000	CONCRETE MEDIAN	SY	80
8041020	RIP-RAP (CLASS B)	TN	31
8048200	GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP (CLASS 2) TYPE A	SY	31
8091010	RIGHT-OF-WAY MARKERS (REBAR CAP)	EA	23
8091050	RIGHT-OF-WAY PLAT	LS	1
8100100	PERMANENT COVER	ACRE	0.56
8100200	TEMPORARY COVER	ACRE	0.28
8104005	FERTILIZER (NITROGEN)	LB	57
8104010	FERTILIZER (PHOSPHORIC ACID)	LB	57
8104015	FERTILIZER (POTASH)	LB	57
8109901	MOWING	ACRE	0.56
8105005	AGRICULTURAL GRANULAR LIME	LB	1,128
8152004	INLET STRUCTURE FILTER - TYPE F (WEIGHTED)	LF	39
8152006	INLET STRUCTURE FILTER - TYPE F (NON-WEIGHTED)	LF	39
8153000	SILT FENCE	LF	2,672
SPEC	ORANGE TREE PROTECTION FENCE	LF	111
SPEC	STREETPRINT	SY	109
SPEC	OYSTER SHELL FINISH	SY	308
SPEC	WHITE WORD MESSAGE "STOP" - FAST DRY PAINT	EA	3

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 27285 RICHARD DANIEL BOBROWSKI 2-13-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. ____ DATE ____
DWG. ____ DATE ____ GROUP ____ - ____
R/W ____ DATE ____

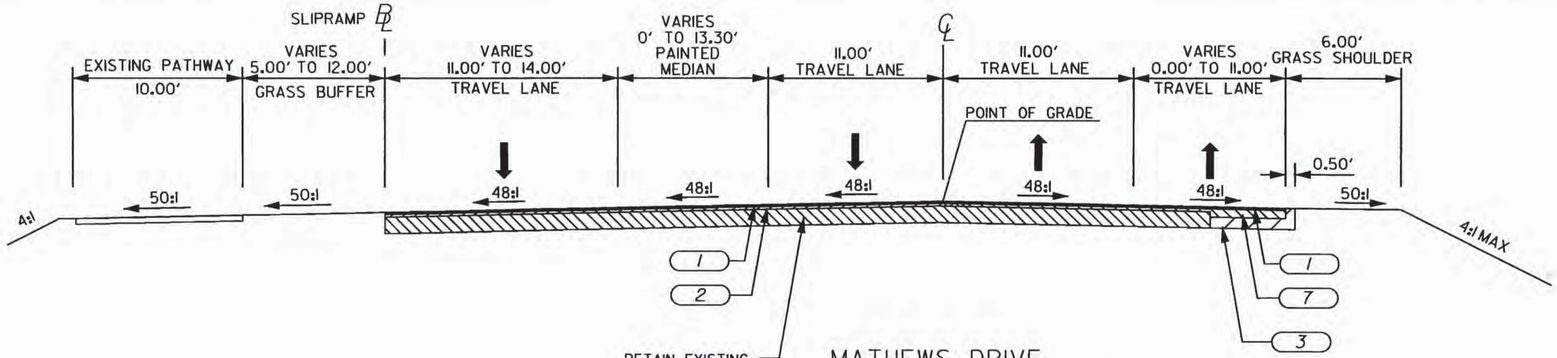
TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

SUMMARY OF QUANTITIES

G:\PROJECTS\IL28_MARSHLAND_ROUNDABOUT_D-DESIGN\Roadway\Dgn\Plan_Sheets\Sht_2 S00.dgn
2/12/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			3

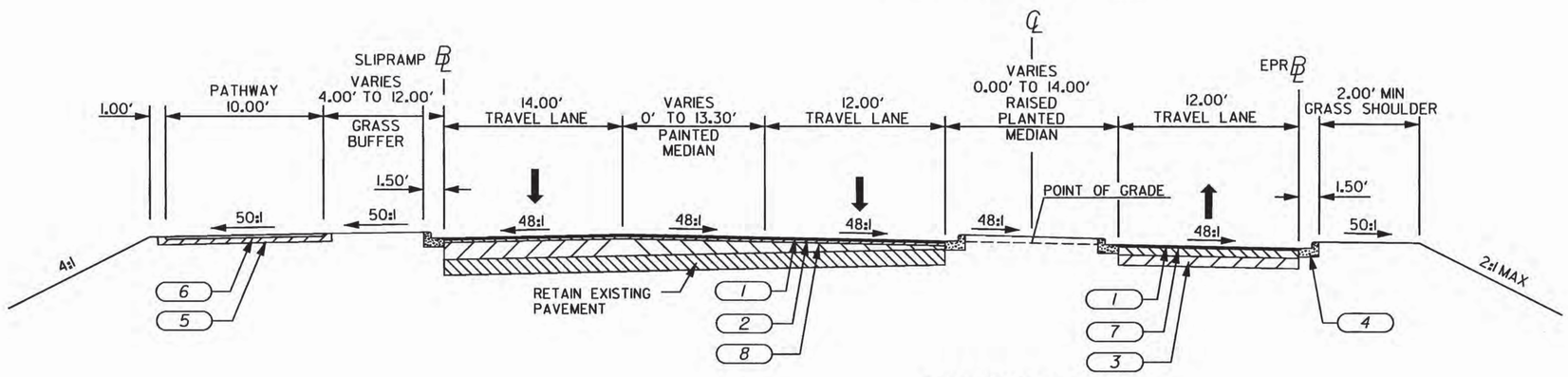
RELEASED FOR CONSTRUCTION



MATHEWS DRIVE

STA. 0+99.26 TO 4+71.11 LT

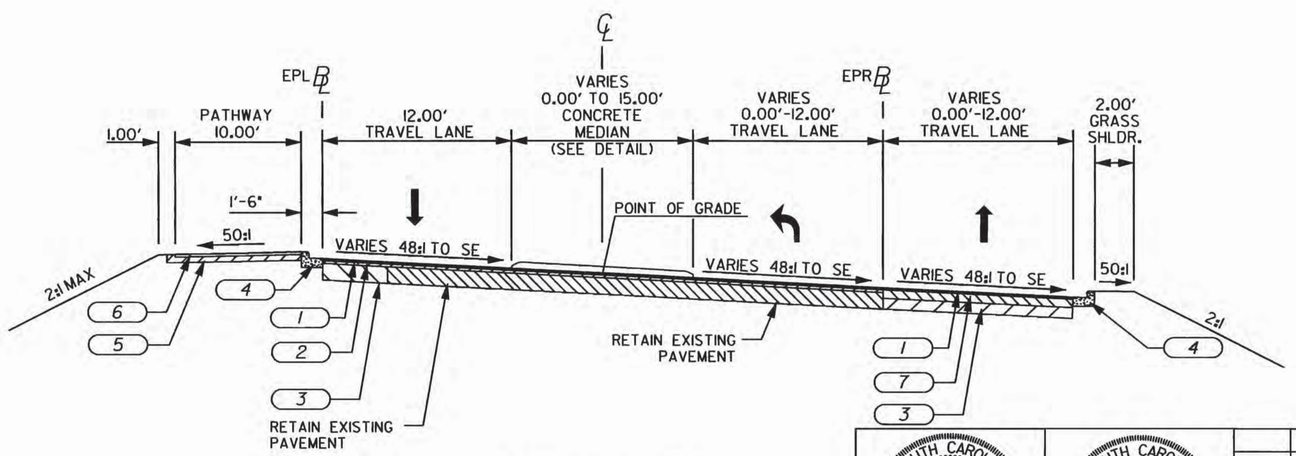
STA. 0+99.26 TO 4+55.87 RT



MATHEWS DRIVE

STA. 4+71.11 LT TO 5+10.30

STA. 4+55.87 RT TO 5+10.30

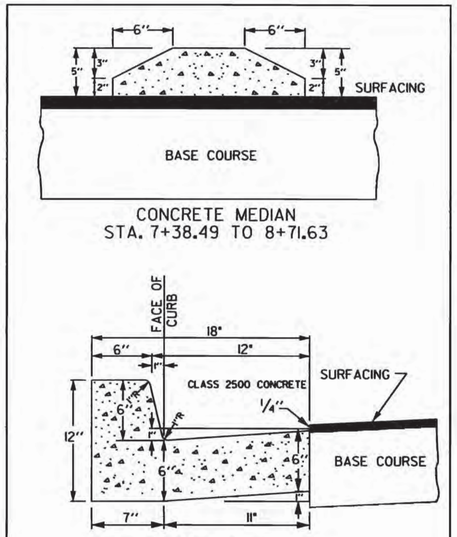


MATHEWS DRIVE

STA. 6+29.69 TO 10+71.13 LT

STA. 6+29.69 TO 9+50.00 RT

DETAIL



1. HMA SURFACE COURSE, TYPE B, 175 lb/yd^2
2. HMA CONCRETE INTERMEDIATE COURSE, TYPE B, 250 lb/yd^2
3. HOT MIX ASPHALT AGGREGATE BASE COURSE, TYPE B, 450 lb/yd^2
4. 1'-6" CONCRETE CURB AND GUTTER-VERTICAL FACE (SEE DETAIL)
5. 4 1/2" GRADED AGGREGATE BASE COURSE (COMPACTED)
6. 1 1/2" HMA SURFACE COURSE, TYPE D (COMPACTED)
7. HMA CONCRETE INTERMEDIATE COURSE, TYPE B, 450 lb/yd^2
8. HOT MIX ASPHALT (FOR LEVELING)

NOTES:
- NOT TO SCALE
- DESIGN SPEED = 35 MPH

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 DANIEL BOBROWSKI 1-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. ____ DATE ____
DWG. ____ DATE ____
R/W ____ DATE ____
GROUP ___ - ___

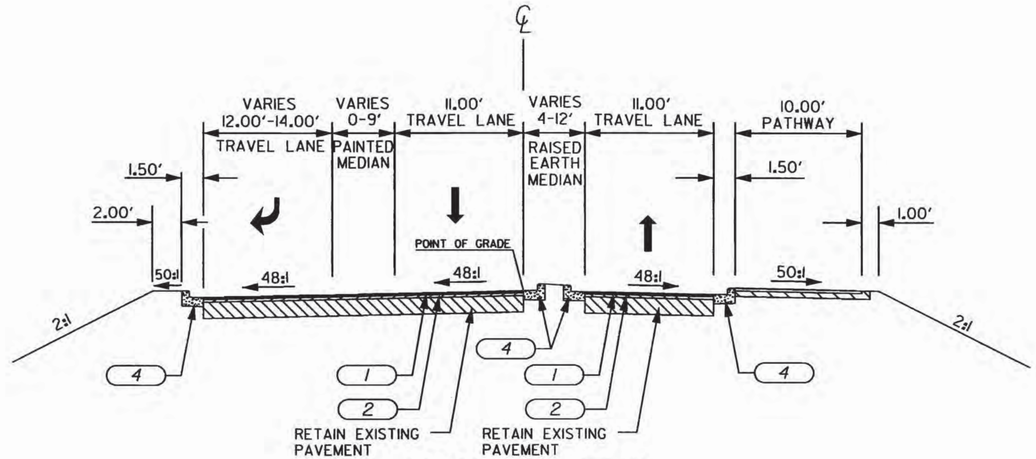
TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

TYPICAL SECTION

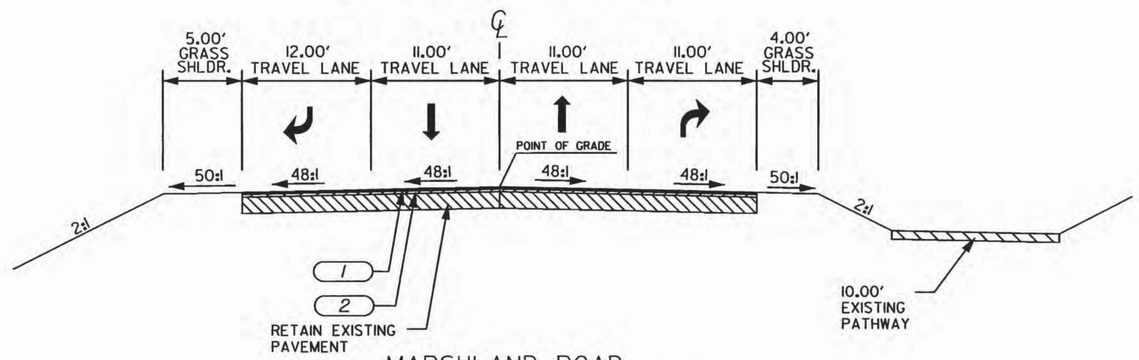
G:\PROJECTS\11.28_MARSHLAND_ROUNDABOUT_D-DESIGN\Roadway\Dgn\Typicals\MMR_typ1.dgn
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			3A

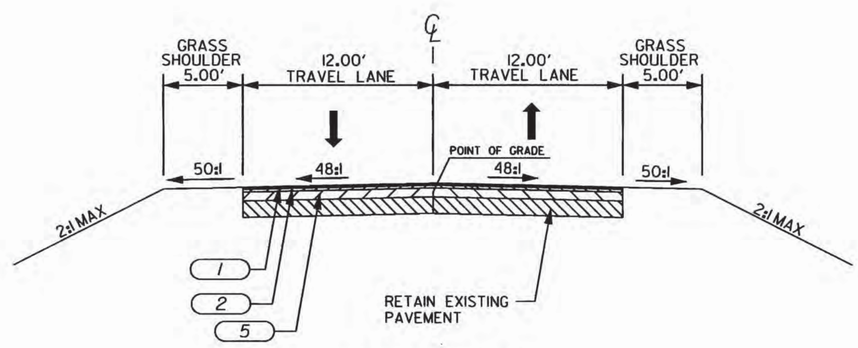
RELEASED FOR CONSTRUCTION



MARSHLAND ROAD
STA. 50+61.09 TO 52+00

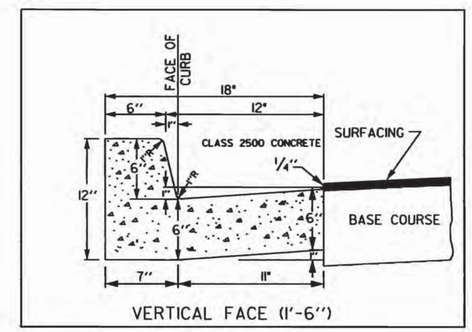


MARSHLAND ROAD
STA: 52+00.00 TO 53+10.00



ISLAND DRIVE
STA. 60+19.51 TO 61+70.47

DETAIL



VERTICAL FACE (1'-6")

1	HMA SURFACE COURSE, TYPE B, 175 lb/yd^2
2	HMA CONCRETE INTERMEDIATE COURSE, TYPE B, 250 lb/yd^2
3	HMA AGGREGATE BASE COURSE, TYPE B, 450 lb/yd^2
4	1'-6" CONCRETE CURB AND GUTTER-VERTICAL FACE (SEE DETAIL)
5	HOT MIX ASPHALT (FOR LEVELING)

NOTES:
-- NOT TO SCALE
-- DESIGN SPEED = 35 MPH

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHRIS DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ____ - ____
R/W _____ DATE _____

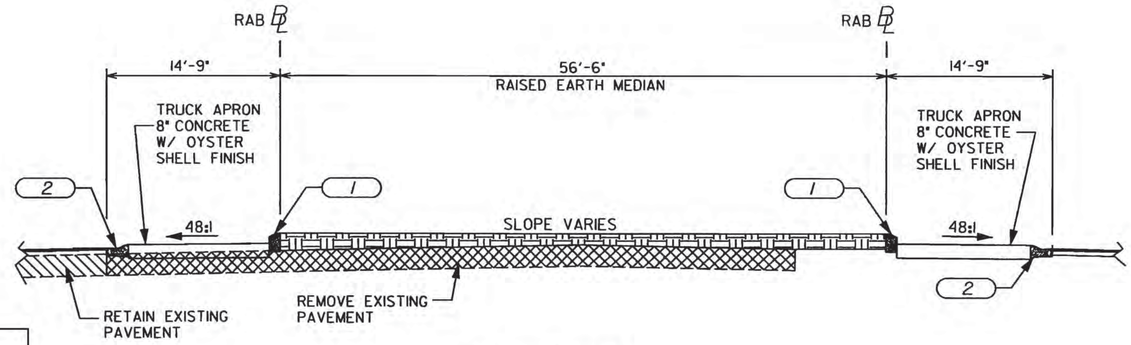
TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

TYPICAL SECTION

G:\PROJECTS\11_28_MARSHLAND_ROUNDABOUT_D-DESIGN\Roadway\Dgn\Typicals\MMR_typ2.dgn
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			3B

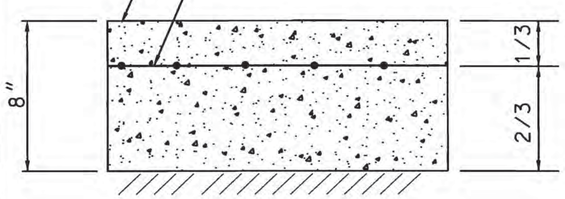
RELEASED FOR CONSTRUCTION

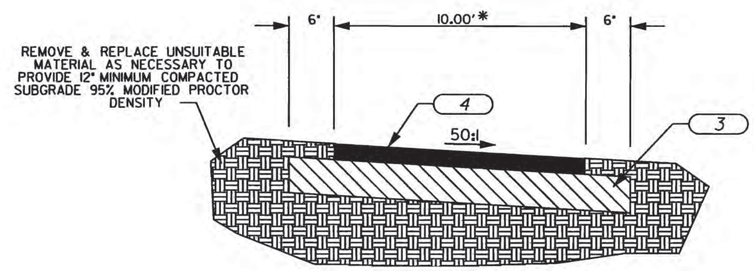


ROUNDABOUT

STA. 5+10.30 TO 6+29.69

CONCRETE TRUCK APRON DETAIL





PATHWAY

STA. 4+54.35 LT TO 5+37.25 LT (MATHEWS DRIVE)
STA. 50+47.61 RT TO 52+17.82 RT (MARSHLAND ROAD)
STA. 6+24.45 LT TO 10+71.21 LT (MATHEWS DRIVE)
* STA. 9+59.32 LT TO 10+71.21 LT PATHWAY WIDTH IS 8.00'

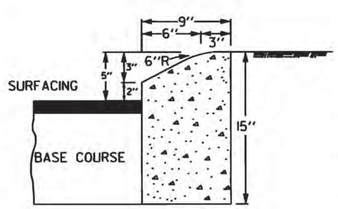
TRUCK APRONS:
-TYPE OF SHELL IS "#3 OYSTER SHELL" (3/8" SIZED PIECES)
-AMOUNT IS THREE (3) 40 LB. BAGS PER SQUARE YARD
CONCRETE SHOULD BE A "LIMESTONE MIX" RATHER THAN A "GRANITE MIX"
-APPLICATION IS:
1- ALLOW CONCRETE TO HARDEN TO A "BULL-FLOAT" FINISH
2- CAST OYSTER SHELLS EVENLY OVER SPECIFIED AREA
3- ALLOW CONCRETE TO HARDEN TO A "STEEL-FLOAT" FINISH OVER OYSTER SHELLS
4- PRESSURE-WASH CONCRETE TO EXPOSE OYSTER SHELL WHEN APPROPRIATE. DEPENDING ON ENVIRONMENTAL AND SITE CONDITIONS. CONCRETE NOT TO FULLY CURE BEFORE PRESSURE WASHING.
-OYSTER SHELL FINISH TO BE PAID FOR UNDER:
OYSTER SHELL FINISH (SY)

SIDEWALK CURB RAMPS:
- SAFESTEP TRUNCATED DOME PLATES TO BE USED IN LOCATIONS AS SHOWN IN THE PLANS. COLOR IS CHOCOLATE BROWN AND SET IN A 6" BAND OF OYSTER-SHELL FINISH CONCRETE.

CROSS WALKS:
- CROSS WALKS SHALL UTILIZE 'STREET PRINT PAVEMENT TEXTURING' WITH THE FOLLOWING SPECIFICATIONS:
PATTERN: "FRISCO COBBLE"
BORDER: "STACKED BRICK"
COLOR: "SANDSTONE"
- INSTALL PER MANUFACTURERS SPECIFICATIONS.
- STREETPRINT TO BE PAID UNDER: STREETPRINT (SY)

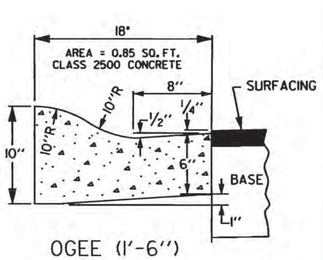
ASPHALT PATHWAYS:
- PATHWAY VERTICAL ALIGNMENT AND CROSS SLOPE SHALL NOT EXCEED ADA REQUIREMENTS. SEE GENERAL NOTES FOR DETAILS.
- ASPHALT PATHWAYS TO BE PAID UNDER:
PAVEMENT STRUCTURES (3) AND (4) ONLY.

CURB AND GUTTER DETAIL



9" X 15" CONCRETE CURB

(1)



OGEE (1'-6")

(2)

(1) 9"x15" CONCRETE CURB (SEE DETAIL)

(2) 1'-6" CONCRETE CURB AND GUTTER- OGEE (SEE DETAIL)

(3) 4 1/2" GRADED AGGREGATE BASE COURSE (COMPACTED)

(4) 1 1/2" HMA SURFACE COURSE, TYPE D (COMPACTED)

NOTES:
-- NOT TO SCALE

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27265 CHRIS DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ___ - ___
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

TYPICAL SECTION

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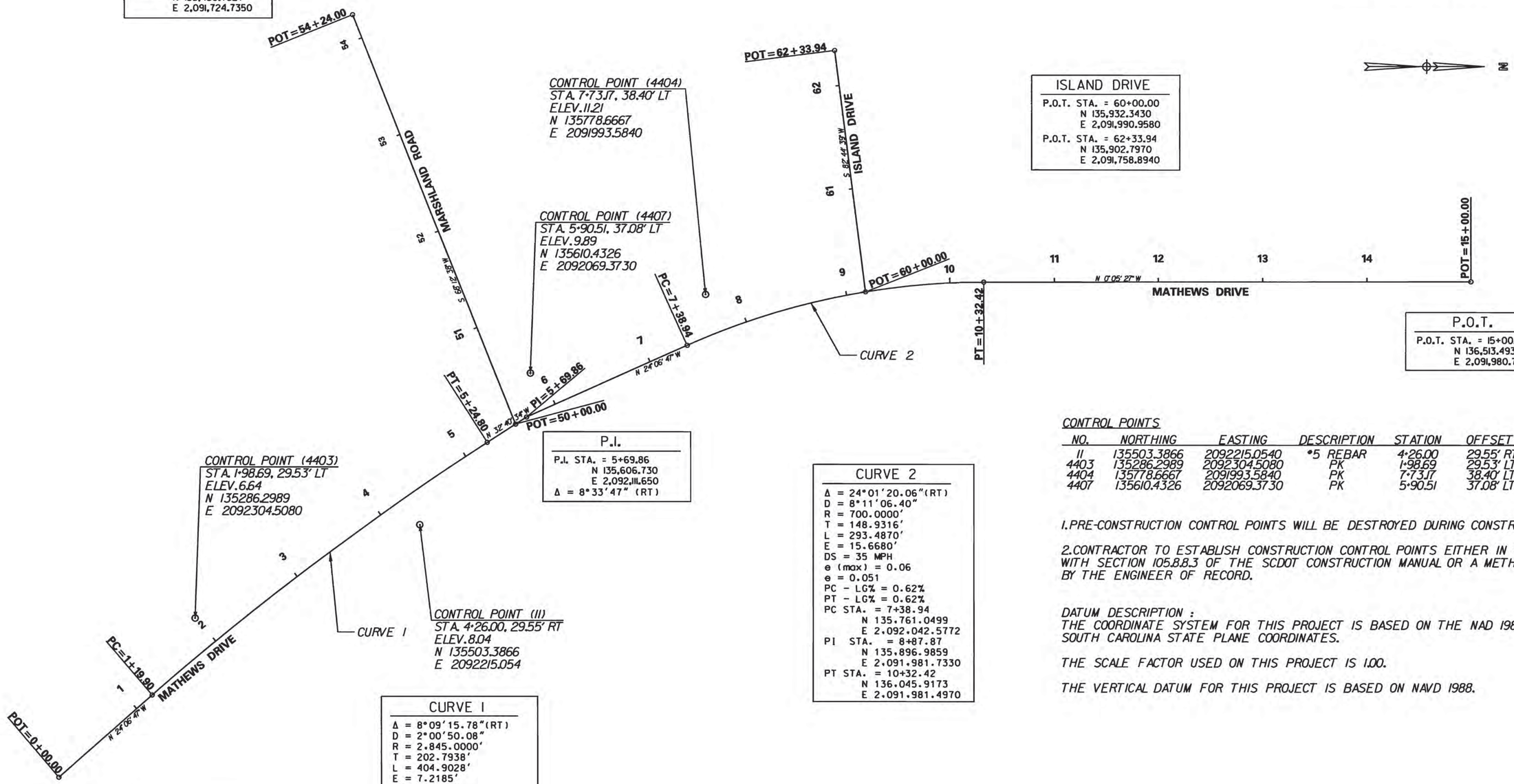
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			4

RELEASED FOR CONSTRUCTION



CONTROL POINTS

NO.	NORTHING	EASTING	DESCRIPTION	STATION	OFFSET	ELEVATION
11	135503.3866	2092215.0540	#5 REBAR	4+26.00	29.55' RT	8.04'
4403	135286.2989	2092304.5080	PK	1+98.69	29.53' LT	6.64'
4404	135778.6667	2091993.5840	PK	7+73.17	38.40' LT	11.21'
4407	135610.4326	2092069.3730	PK	5+90.51	37.08' LT	9.89'

1. PRE-CONSTRUCTION CONTROL POINTS WILL BE DESTROYED DURING CONSTRUCTION

2. CONTRACTOR TO ESTABLISH CONSTRUCTION CONTROL POINTS EITHER IN COMPLIANCE WITH SECTION 105.8.8.3 OF THE SCDOT CONSTRUCTION MANUAL OR A METHOD APPROVED BY THE ENGINEER OF RECORD.

DATUM DESCRIPTION :
THE COORDINATE SYSTEM FOR THIS PROJECT IS BASED ON THE NAD 1983 SOUTH CAROLINA STATE PLANE COORDINATES.

THE SCALE FACTOR USED ON THIS PROJECT IS 1.00.

THE VERTICAL DATUM FOR THIS PROJECT IS BASED ON NAVD 1988.

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 01-23-13 MICHAEL DANIEL BOBROWSKI

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ____ - ____
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

STAKING PLANS

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1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			4A

RELEASED FOR CONSTRUCTION

CURVE RAB 1
Δ = 171°26'13.42"(LT)
D = 133°14'45.60"
R = 43.0000'
T = 574.3661'
L = 128.6621'
E = 532.9735'
PCC STA. = 30+00.00
N 135,570.5353
E 2,092,134.8652
PI STA. = 35+74.37
N 135,880.6284
E 2,092,618.3305
PCC STA. = 31+28.66
N 135,645.9779
E 2,092,094.0829

EPL P.O.T.
P.O.T. STA. = 70+00.00
N 135,501.4973
E 2,091,822.4238

EPL 2 P.I.
P.I. STA. = 71+10.00
N 135,542.3289
E 2,091,924.5648

CURVE EPL 1
Δ = 31°57'05.34"(LT)
D = 28°38'52.40"
R = 200.0000'
T = 57.2574'
L = 111.5317'
E = 8.0346'
PC STA. = 71+21.77
N 135,544.3151
E 2,091,936.1689
PI STA. = 71+79.03
N 135,553.9748
E 2,091,992.6056
PCC STA. = 72+33.30
N 135,592.0374
E 2,092,035.3801

CURVE EPL 2
Δ = 33°47'38.15"(LT)
D = 95°29'34.68"
R = 60.0000'
T = 18.2259'
L = 35.3889'
E = 2.707'
PCC STA. = 72+33.30
N 135,592.0374
E 2,092,035.3801
PI STA. = 72+51.53
N 135,604.1533
E 2,092,048.9958
PRC STA. = 72+68.69
N 135,621.7953
E 2,092,053.5722

CURVE EPL 3
Δ = 12°09'38.22"(RT)
D = 95°29'34.68"
R = 60.0000'
T = 6.3913'
L = 12.7346'
E = 0.3394'
PRC STA. = 72+68.69
N 135,621.7953
E 2,092,053.5722
PI STA. = 72+75.08
N 135,627.9819
E 2,092,055.1769
PRC STA. = 72+81.43
N 135,633.6915
E 2,092,058.0489

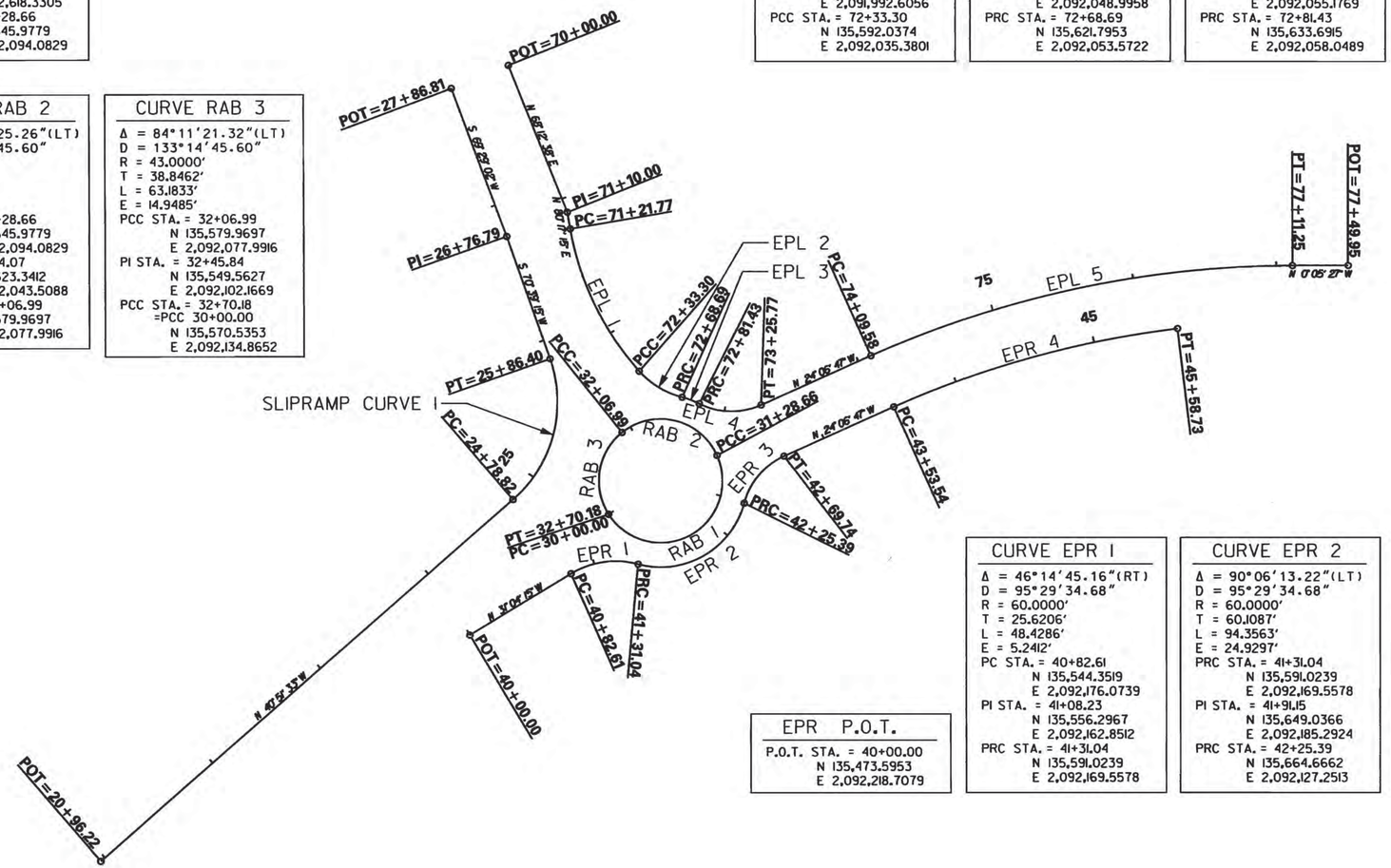
CURVE EPL 4
Δ = 50°48'56.19"(LT)
D = 114°35'29.61"
R = 50.0000'
T = 23.7501'
L = 44.3450'
E = 5.3540'
PRC STA. = 72+81.43
N 135,633.6915
E 2,092,058.0489
PI STA. = 73+05.18
N 135,654.9087
E 2,092,068.7212
PT STA. = 73+25.77
N 135,676.5864
E 2,092,059.0184

CURVE EPL 5
Δ = 24°01'20.05"(RT)
D = 7°57'47.80"
R = 719.5000'
T = 153.0804'
L = 301.6627'
E = 16.1044'
PC STA. = 74+09.58
N 135,753.0834
E 2,092,024.7788
PI STA. = 75+62.66
N 135,892.8062
E 2,091,962.2396
PT STA. = 77+11.25
N 136,045.8864
E 2,091,961.9970

EPL P.O.T.
P.O.T. STA. = 77+49.95
N 136,084.5893
E 2,091,961.9357

CURVE RAB 2
Δ = 104°22'25.26"(LT)
D = 133°14'45.60"
R = 43.0000'
T = 55.4090'
L = 78.3316'
E = 27.1367'
PCC STA. = 31+28.66
N 135,645.9779
E 2,092,094.0829
PI STA. = 31+84.07
N 135,623.3412
E 2,092,043.5088
PCC STA. = 32+06.99
N 135,579.9697
E 2,092,077.9916

CURVE RAB 3
Δ = 84°11'21.32"(LT)
D = 133°14'45.60"
R = 43.0000'
T = 38.8462'
L = 63.1833'
E = 14.9485'
PCC STA. = 32+06.99
N 135,579.9697
E 2,092,077.9916
PI STA. = 32+45.84
N 135,549.5627
E 2,092,102.1669
PCC STA. = 32+70.18
=PCC 30+00.00
N 135,570.5353
E 2,092,134.8652



EPR P.O.T.
P.O.T. STA. = 40+00.00
N 135,473.5953
E 2,092,218.7079

CURVE EPR 1
Δ = 46°14'45.16"(RT)
D = 95°29'34.68"
R = 60.0000'
T = 25.6206'
L = 48.4286'
E = 5.2412'
PC STA. = 40+82.61
N 135,544.3519
E 2,092,176.0739
PI STA. = 41+08.23
N 135,556.2967
E 2,092,162.8512
PRC STA. = 41+31.04
N 135,591.0239
E 2,092,169.5578

CURVE EPR 2
Δ = 90°06'13.22"(LT)
D = 95°29'34.68"
R = 60.0000'
T = 60.1087'
L = 94.3563'
E = 24.9297'
PRC STA. = 41+31.04
N 135,591.0239
E 2,092,169.5578
PI STA. = 41+91.15
N 135,649.0366
E 2,092,185.2924
PRC STA. = 42+25.39
N 135,664.6662
E 2,092,127.2513

CURVE EPR 3
Δ = 50°48'56.19"(RT)
D = 114°35'29.61"
R = 50.0000'
T = 23.7501'
L = 44.3450'
E = 5.3540'
PRC STA. = 42+25.39
N 135,664.6662
E 2,092,127.2513
PI STA. = 42+49.14
N 135,670.8417
E 2,092,104.3182
PT STA. = 42+69.74
N 135,692.5194
E 2,092,094.6153

CURVE EPR 4
Δ = 17°16'35.85"(RT)
D = 8°25'10.77"
R = 680.5000'
T = 103.3814'
L = 205.1939'
E = 7.8081'
PC STA. = 43+53.54
N 135,769.0057
E 2,092,060.3805
PI STA. = 44+56.92
N 135,863.3662
E 2,092,018.1452
PT STA. = 45+58.73
N 135,966.0126
E 2,092,005.8392

SLIPRAMP P.O.T.
P.O.T. STA. = 20+96.22
N 135,214.6596
E 2,092,374.9004

SLIPRAMP CURVE 1
Δ = 68°29'12.18"(LT)
D = 63°39'43.12"
R = 90.0000'
T = 61.2636'
L = 107.5787'
E = 18.8725'
PC STA. = 24+78.82
N 135,504.0326
E 2,092,124.5995
PI STA. = 25+40.09
N 135,550.3675
E 2,092,084.5209
PT STA. = 25+86.40
N 135,530.0729
E 2,092,026.7165

SLIPRAMP P.I.
P.T. STA. = 26+76.79
N 135,500.1308
E 2,091,941.4338

SLIPRAMP P.O.T.
P.I. STA. = 27+86.81
N 135,461.5694
E 2,091,838.3853

0 50 100 150 200
SCALE IN FEET

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 27285 1-23-13 DANIEL BOBRONSKI

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ____ - ____
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

STAKING PLANS

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1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			4B

RELEASED FOR CONSTRUCTION

TOWN OF HILTON HEAD ISLAND, SC
RIGHT-OF-WAY DATA SHEET

PARCEL NO.	PROPERTY OWNER	PARCEL ADDRESS	OWNER ADDRESS	TAX MAP REFERENCE	TOTAL TRACT	OBTAIN (S.F.)	OBTAIN (ACRES)	REMAINDER	REMAINDER LEFT	REMAINDER RIGHT	DATE ACQUIRED	DEED BOOK PAGE	PLAT BOOK PAGE	REMARKS
1	Alice Green	1 MARSHLAND ROAD, HHI	3 MARSHLAND ROAD, HHI	R510-008-000-013B-0000										
2	CKJ LLC	2 MARSHLAND ROAD, HHI	2 MARSHLAND ROAD, HHI	R511-008-00A-0104-0000										
3	Town of Hilton Head Island	-	ONE TOWN CENTER COURT, HHI	R511-008-000-0107-000										
4														
132	Robert W. Schivera, (Item V Trust) Chriss Dohn Roddenberry	132 ISLAND DRIVE, HHI	PO BOX 10186, SAVANNAH, GA	R511-008-000-0217-0000										
143	Town of Hilton Head Island	143 MATHEWS DRIVE, HHI	ONE TOWN CENTER COURT, HHI	R510-008-000-0153-0000	70.94	7524.96	0.17	70.77	--	70.77				
145	Town of Hilton Head Island	145 MATHEWS DRIVE, HHI	ONE TOWN CENTER COURT, HHI	R510-008-000-0087-0000	0.96	5267.11	0.12	0.84	--	0.84				
150	Town of Hilton Head Island	150 MATHEWS DRIVE, HHI	ONE TOWN CENTER COURT, HHI	R510-008-000-013A-0000										

HHI - HILTON HEAD ISLAND

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1/23/2013

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 RICHARD DANIEL BOBROWSKI
1-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

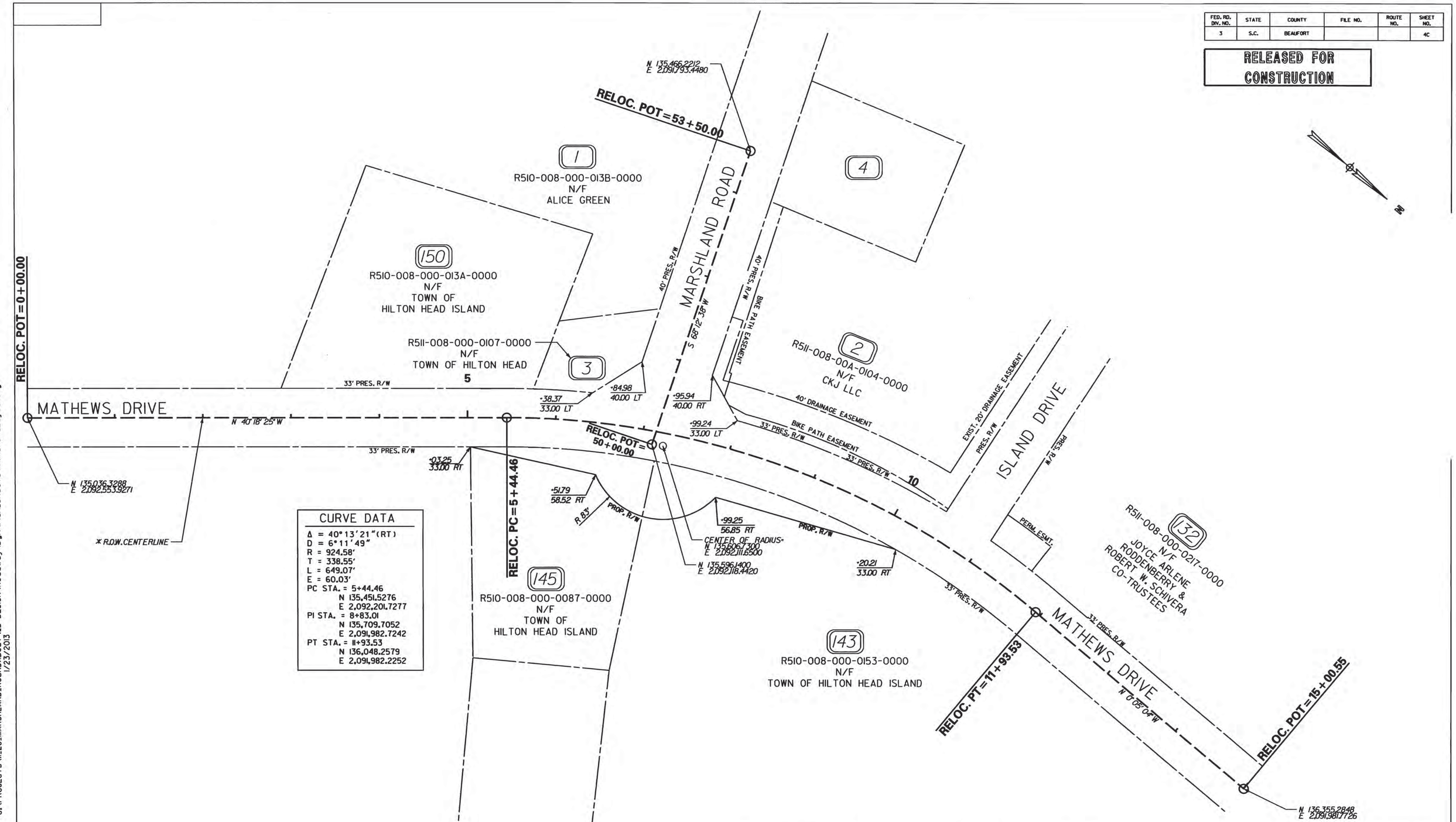
TOPO. _____ DATE _____
DWG. _____ DATE _____
R/W _____ DATE _____
GROUP ___ - ___

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

RIGHT-OF-WAY DATA SHEET

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			4C

RELEASED FOR CONSTRUCTION



CURVE DATA
Δ = 40°13'21"(RT)
D = 6°11'49"
R = 924.58'
T = 338.55'
L = 649.07'
E = 60.03'
PC STA. = 5+44.46
N 135,451.5276
E 2,092,201.7277
PI STA. = 8+83.01
N 135,709.7052
E 2,091,982.7242
PT STA. = 11+93.53
N 136,048.2579
E 2,091,982.2252

* NOTE: R.O.W. CENTERLINE DIFFERENT THAN CONSTRUCTION CENTERLINE. SEE SHEETS 4&5 FOR CONSTRUCTION CENTERLINE STAKING.

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27265 DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____
R/W _____ DATE _____
GROUP ___ - ___

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

RIGHT-OF-WAY LAYOUT SHEET

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1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			5

RELEASED FOR CONSTRUCTION

GENERAL SITE NOTES:

1. CONTRACTOR TO CONTACT ALL UTILITY COMPANIES BEFORE ANY WORK COMMENCES, VERIFY UTILITIES WITHIN PROJECT AREA AND NOTIFY ENGINEER OF ANY VARIANCES PRIOR TO BEGINNING WORK OR PURCHASE OF MATERIALS.
2. THE EXISTING UTILITIES SHOWN ARE BASED ON AVAILABLE RECORDS AND FIELD EXAMINATION. ALL POSITIONS ARE APPROXIMATE. THE CONTRACTOR SHALL INDEPENDENTLY DETERMINE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK OR PURCHASE OF MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING 24-HOUR NOTICE TO ALL RESPECTIVE UTILITY COMPANIES FOR FIELD VERIFICATION OF EXISTING UTILITIES. NOTIFY THE OWNER'S REPRESENTITIVE OF ANY DISCREPENCIES OR UNCHARTED UTILITIES. THE CONTRACTOR SHALL PROTECT ALL UTILITIES TO REMAIN AND SHALL AGREE TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR AS A RESULT OF THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
3. IT IS THE OBLIGATION OF THE BIDDER TO MAKE HIS OWN INTERPRETATION OF ALL SURFACE AND SUBSURFACE DATA THAT IS AVAILABLE AS TO THE NATURE AND EXTENT OF THE MATERIALS TO BE EXCAVATED AND WASTED, GRADED AND COMPACTED. THE INFORMATION SHOWN ON THESE PLANS IN NO WAY GUARANTEES THE AMOUNT OR NATURE OF THE MATERIAL TO BE ENCOUNTERED.
4. ALL WORK SHALL CONFORM TO APPLICABLE MUNICIPAL REQUIREMENTS AND CODES.
5. CONTRACTOR SHALL COORDINATE DEMOLITION AND IMPROVEMENTS TO MINIMIZE TRAFFIC INTERFERENCE AND OPERATIONS OF FACILITIES.
6. ALL CONSTRUCTION DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED IN AN APPROVED WASTE DISPOSAL AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL CONSTRUCTION DEBRIS.

CLEARING NOTES:

1. CLEARED AREAS TO BE COMPLETELY CLEARED IN ACCORDANCE WITH THE SPECIFICATIONS.
2. NO CLEARING SHALL OCCUR WITHIN DESIGNATED BUFFER/TREE PROTECTION AREAS, OUTSIDE OF THE PROPERTY LINES OR BEYOND CLEARING LIMITS EXCEPT AS OTHERWISE SHOWN.
3. THE CONTRACTOR SHALL INSTALL A CONTINUOUS LINE OF FLAGGING OR FENCING ALONG THE LIMITS OF CLEARING PRIOR TO ANY CONSTRUCTION WORK BEGINNING.
4. CAUTION SHOULD BE TAKEN DURING CLEARING OPERATIONS TO AVOID FELLING TREES INTO THE DESIGNATED TREE PROTECTION ZONES. NO BURNING SHALL OCCUR WITHIN 50 FEET OF A TREE PROTECTION ZONE.
5. NO MATERIALS STORAGE, EARTH STORAGE, GAS FUELING, CONCRETE WASHOUT, DUMPING, OR CONSTRUCTION TRAFFIC IS ALLOWED WITHIN THE TREE PROTECTION ZONES.
6. SELECTIVE CLEARING AREAS SHALL BE CLEARED OF ALL BRUSH AND UNDERSTORY GROWTH. ALL TREES OVER 6" IN DIAMETER WILL BE RETAINED AND PROTECTED FROM DAMAGE, UNLESS APPROVED FOR REMOVAL BY THE OWNER OR ENGINEER.
7. ALL TREES SHOWN ON THE PLANS TO REMAIN SHALL BE CONSIDERED SPECIMEN TREES AND SHALL BE PROTECTED EVEN IF LOCATED WITHIN CLEARING AREAS. PROTECTION WILL INCLUDE, BUT IS NOT LIMITED TO, THE MEASURES DESCRIBED IN NOTES 4 AND 5 ABOVE. AN AREA 1 1/2 TIMES THE DIAMETER OF THE TREE TRUNK MEASURED 4 FEET FROM EXISTING GRADE WILL BE CONSIDERED THE TREE PROTECTION ZONE FOR AN INDIVIDUAL TREE.
8. WHEN TREE ROOTS ARE SEVERED OR EXPOSED DURING TRENCHING OR GRADING OPERATIONS, RECUT CLEANLY WITH A SHARP SAW BELOW FINISHED GRADE.

PROJECT DATA:

OWNER	TOWN OF HILTON HEAD ISLAND
ADDRESS	ONE TOWN CENTER COURT HILTON HEAD ISLAND, S.C. 29928
TELEPHONE	(843) 341-4601

EROSION CONTROL NOTES:

1. IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL SLOPE IS BROUGHT TO GRADE.
2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW:
3. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
4. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
5. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS. IF SITE INSPECTIONS IDENTIFY BMP'S THAT ARE DAMAGED OR ARE NOT OPERATING EFFECTIVELY, MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY POSSIBLE AND BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE.

UTILITY NOTES:

1. ALL WATER/SEWER CONSTRUCTION MUST CONFORM TO APPLICABLE STATE AND HILTON HEAD PUBLIC SERVICE DISTRICT REQUIREMENTS, STANDARDS AND SPECIFICATIONS.
2. H.H. PSD SHALL BE RESPONSIBLE FOR INSPECTION AND APPROVAL OF ALL WATER SYSTEM AND OR SEWER SYSTEM CONSTRUCTION FOR ACCEPTANCE FOR OPERATION AND MAINTENANCE.
3. ALL UTILITIES SHOWN ARE APPROXIMATE LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WRITTEN NOTIFICATION TO ALL RESPECTIVE UTILITY OWNERS FOR FIELD VERIFICATION. ANY DAMAGES TO EXISTING UTILITIES DUE TO THIS CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR MUST FIELD VERIFY THE LOCATION AND EXISTING INVERT ELEVATIONS OF THE EXISTING UTILITIES PRIOR TO CONNECTION.
4. ANY CHANGES, ADDITIONS OR DELETIONS MUST HAVE WRITTEN APPROVAL FROM H.H. PSD AND/OR THE ENGINEER PRIOR TO CONSTRUCTION.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS AND LICENSES, AS REQUIRED BY BEAUFORT COUNTY AND/OR TOWN OF HILTON HEAD ORDINANCES.
6. ALL PIPE BEDDING SHALL BE TYPE CLASS "C", (ASTM D2321), UNLESS OTHERWISE REQUIRED BY SC DHEC OR H.H. PSD.

PAVING, GRADING AND DRAINAGE NOTES:

1. WHERE EXISTING PAVEMENT IS SHOWN TO BE MATCHED, EDGE OR CONTACT FACE WITH EXISTING PAVEMENT SHALL BE SAW CUT TO A NEAT VERTICAL LINE.
2. CONTRACTOR SHALL COORDINATE DEMOLITION AND IMPROVEMENTS TO MINIMIZE TRAFFIC INTERFERENCE AND OPERATIONS OF FACILITIES.
3. TEMPORARY CONTROL OF STORM WATER DRAINAGE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. SEQUENCING AND CONSTRUCTION TECHNIQUES SHALL PREVENT OBSTRUCTION OF STORM SEWERS, PONDING IN TRAFFIC AREAS OR RAISING OF WATER LEVELS WHICH WOULD ENTER ADJACENT BUILDINGS OR STRUCTURES.
4. ELEVATION OF TOP OF EXISTING MANHOLES, INLETS, WATER VALVE BOXES, ETC., SHALL BE ADJUSTED TO MATCH NEW PAVING OR RESURFACING GRADES. PRICE TO BE CONSIDERED INCIDENTAL TO THE WORK.
5. PREPARATION, GRADING, PAVING AND OTHER SITE IMPROVEMENTS SHALL CONFORM TO THE FOLLOWING:
   A. SUBGRADE PREPARATION: TOP SOIL SHALL BE REMOVED FROM PAVED AREAS TO A MINIMUM DEPTH OF 4". ALL EXCAVATION SHALL BE TO SUBGRADE LIMITS. SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 98% (ASTM D1556) DENSITY FOR A DEPTH OF 24 INCHES.
   B. CONCRETE: MINIMUM 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS (5-1/2 BAGS CEMENT PER. CU. YD.; ENTRAINED AIR 5% +/- 1%).
6. ALL CONSTRUCTION MUST CONFORM TO APPLICABLE STATE, BEAUFORT COUNTY AND/OR TOWN OF HILTON HEAD STANDARDS, SPECIFICATIONS AND REQUIREMENTS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND SOIL EROSION CONTROL AS MAY BE REQUIRED BY SC DHEC/OCRM. THE CONTRACTOR MUST INSTALL SILT BARRIERS AS SHOWN, OR DIRECTED, BY THE PROJECT ENGINEER AND/OR THE OCRM INSPECTOR.
8. ALL PIPES BEING SHOWN AS ABANDONDED WILL BE FILLED WITH FLOWABLE FILL. CONTRACTOR CAN ELECT TO LEAVE IN PLACE AND FILL WITH FLOWABLE FILL WITH THE TOWN'S APPROVAL AT NO ADDITIONAL COST.
9. REMOVE AND RESET MAIL BOXES. COST WILL BE INCLUDED IN OTHER ITEMS.
10. REMOVE ALL SIGNS IN THE R/W UNLESS NOTED TO BE RETAINED.
11. PATHWAYS CROSS SLOPE SHALL NOT EXCEED 2.00%. RUNNING GRADE SHALL NOT BE GREATER 8.33%. RAMPS, OR LENGTHS OF PATHWAY WITH RUNNING GRADE BETWEEN 5.00%AND 8.33% SHALL NOT HAVE A RISE GREATER THAN 30 INCHES. A 5' LONG LANDING, OR LENGTH OF PATHWAY FLATTER THAN 2.0%, SHALL BE PLACED AT BOTH ENDS OF A RAMP. MAXIMUM ALGEBRAIC DIFFERENCE BETWEEN THE RAMP SLOPE AND THE STREET OR GUTTER SLOPE SHALL NOT EXCEED 11%. THE STANDARD 1/4" LIP BETWEEN CONCRETE GUTTER AND STREET PAVING SHALL BE DEPRESSED TO MEET THE CONCRETE ELEVATION AT SIDEWALK CURB RAMPS (CROSSWALKS).

LEGEND:

- AIR CONDITIONER
- BENCH MARKER
- CONCRETE MONUMENT FOUND
- CABLE TELEVISION BOX
- ELECTRIC METER
- CHAIN FENCE
- WOOD FENCE
- FIRE HYDRANT
- GRATE INLET
- GROUND LIGHT
- GUY WIRE
- IRON PIN FOUND
- IRRIGATION VALVE
- LIGHT POLE / LAMP POST
- MAILBOX
- OHP — OVERHEAD POWER LINE
- POST
- POWER POLE
- SANITARY SEWER MANHOLE
- SIGN
- SPRINKLER HEAD
- STORM DRAIN MANHOLE
- STORM DRAIN PIPE
- TELEPHONE PEDESTAL
- TRANSFORMER
- WATER LINE MARKER
- WATER METER
- WATER TANK
- WATER VALVE
- WATER VALVE MARKER
- LANDSCAPE ISLAND / TREELINE

SCDOT STANDARD DRAWINGS

100-105-00	SYMBOLS AND ABBREVIATIONS (ROAD)
203-905-00	EXCAVATION ASSOCIATED WORK (MAILBOX PLACEMENT)
602-005-00	CONSTRUCTION SIGNING - TEMPORARY PORTABLE SIGN SUPPORTS INSTALLATION & PLACEMENT
630-105-00	PAVEMENT MARKING TYP. - RAISED MARKER PLACEMENT & DETAIL
630-215-00	PAVEMENT MARKING TYP. CONCRETE ISLAND/MEDIAN PAINTING & RAISED PAVEMENT MARKER PLACEMENT
625-305-00	INTERSECTIONS STANDARD MARKINGS FOR INTERSECTIONS
625-310-00	TURN LANES TYPICAL MARKINGS FOR TURN LANE INSTALLATIONS
625-405-00	TRANSITIONAL DIAGONAL MARKINGS
625-105-00	EDGE MARKINGS & STOP LIMITS PAVEMENT EDGE MARKING AND STOP LIMITS
605-005-02	CONSTRUCTION SIGNING GRND. MOUNTED ASSLY.- U-CHANL. POSTS - U- CHANNEL SPLICE
605-010-01	CONSTRUCTION SIGNING- PERMANENT WORK ZONE SPEEDING - @200 FINE PRIMARY ROUTES
650-105-00	NOMENCLATURE USED ON PLAN SHEETS
651-110-00	FLAT SHEET MOUNTING DETAILS
650-110-01	INSTALLATION GUIDE
650-110-02	INSTALLATION GUIDE
650-110-03	INSTALLATION GUIDE
650-115-00	ORIENTATION OF SIGNS & SIGHT DISTANCE
651-115-01	STANDARD SIGNS
652-110-00	U-SECTION REINFORCEMENT POST
610-005-00	FLAGGING OPERATION TWO-LANE TWO-WAY PRIMARY & SECONDARY ROUTES
610-010-00	LANE CLOSURE DAYTIME URBAN LOW SPEED </= 35 MPH
610-015-00	LANE CLOSURE NIGHTTIME URBAN LOW SPEED </= 35 MPH
610-025-00	LANE CLOSURE DAYTIME MULTILANE PRIMARY ROUTES
610-030-00	LANE CLOSURE NIGHTTIME MULTILANE PRIMARY ROUTES
610-205-00	RIGHT SHOULDER CLOSURE (CASE I/ CASE II) PRIMARY ROUTES
625-410-00	FOR ARROWS & ONLY(S)
625-420-00	WORD MESSAGES
719-605-00	END TREATMENT (STRAIGHT HEADWALL FOR CIRCULAR PIPE)
719-610-00	END TREATMENT (RCP BEVELED END)
719-510-01	DRAINAGE ACCESS MANHOLE LIGHT DUTY LID CASTING (FOR USE OUTSIDE OF TRAFFIC)
719-505-01	DRAINAGE ACCESS MANHOLE HEAVY DUTY DRAINAGE STRUCTURE
719-505-03	DRAINAGE ACCESS MANHOLE HEAVY DUTY RING
719-550-00	DRAINAGE ACCESS STEPS FOR DRAINAGE STRUCTURES
719-310-00	DRAINAGE SUBSTRUCTURE RECTANGULAR (PRECAST KNOCKOUT WALL BOX)
719-305-00	DRAINAGE SUBSTRUCTURE RECTANGULAR (PRECAST SOLID WALL BOX)
719-016-01	CATCH BASIN TYPE 16
719-016-02	CATCH BASIN TYPE 16
720-105-01	CURB & GUTTER (CONCRETE)
720-105-03	CURB & GUTTER (CONCRETE) ISLANDS
720-205-00	CURB & GUTTER CONCRETE DITCH PAVING & FLUMES
720-305-00	CURB & GUTTER AT INTERSECTIONS
720-405-00	DRIVEWAY WITH SIDEWALK ADJACENT TO CURB
720-410-00	DRIVEWAY WITH SEPARATED SIDEWALK WITHIN 7-4 3/4 OF CURB
720-415-00	DRIVEWAY WITH SEPARATED SIDEWALK BEYOND 7-4 3/4 FROM CURB
720-905-01	DETECTABLE WARNINGS DETAILS
720-910-01	DETECTABLE WARNINGS TYPE I INSTALLATION
804-205-00	RIP RAP (BOX CULVERT)
809-105-00	RIGHT-OF-WAY PLAT (CONCRETE POST) AND (REBAR CAP) MARKER
815-605-00	TEMPORARY EROSION & SEDIMENTATION CONTROL
815-005-00	TYPE E INLET STRUCTURE FILTERS
815-006-00	TYPE F INLET STRUCTURE FILTERS

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____
R/W _____ DATE _____

GROUP ____ - ____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

GENERAL CONSTRUCTION NOTES

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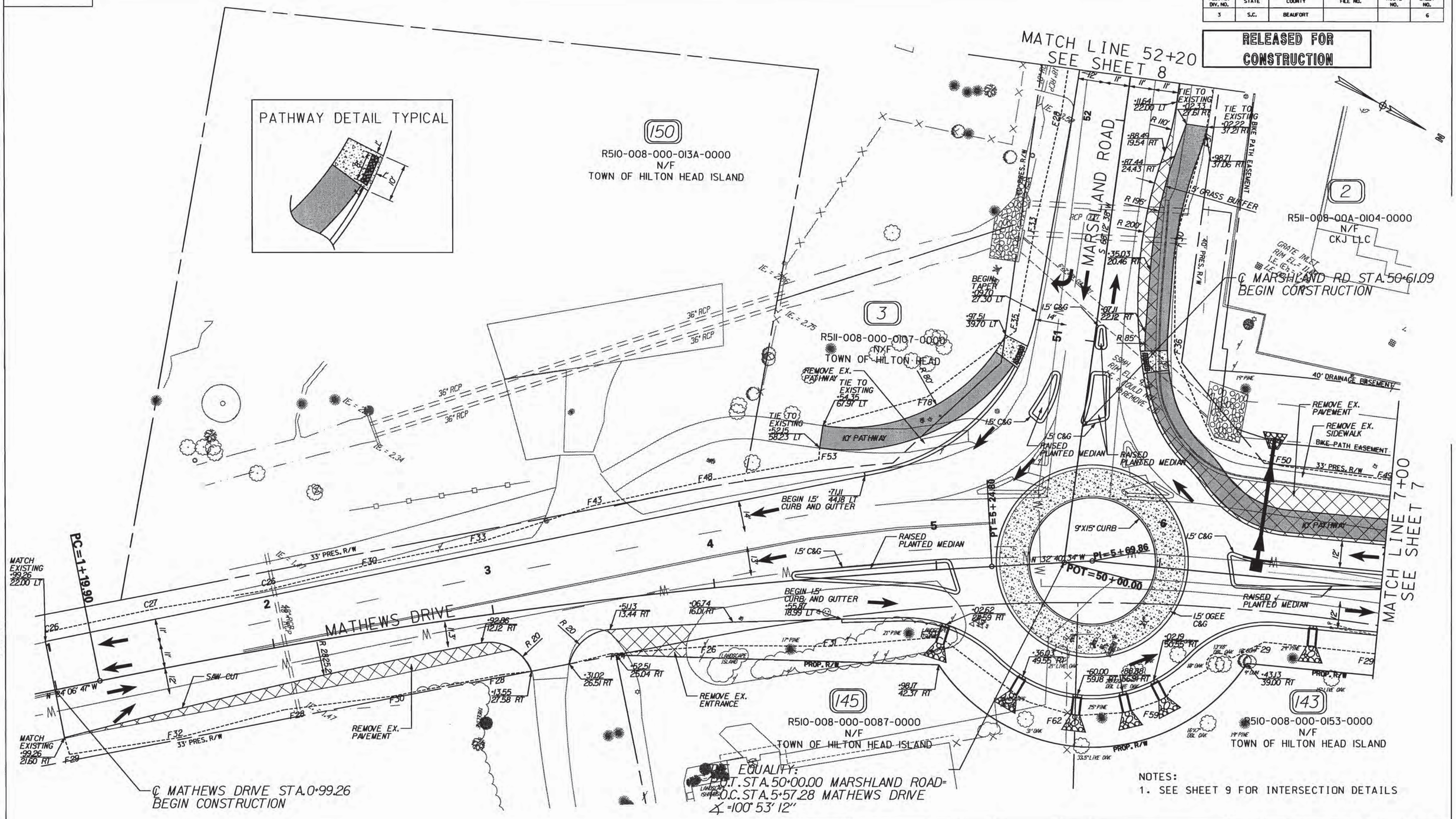
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			6

RELEASED FOR CONSTRUCTION



NOTES:
1. SEE SHEET 9 FOR INTERSECTION DETAILS

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 21285 CHARLES DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ___ - ___
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

CONSTRUCTION PLANS

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1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			7

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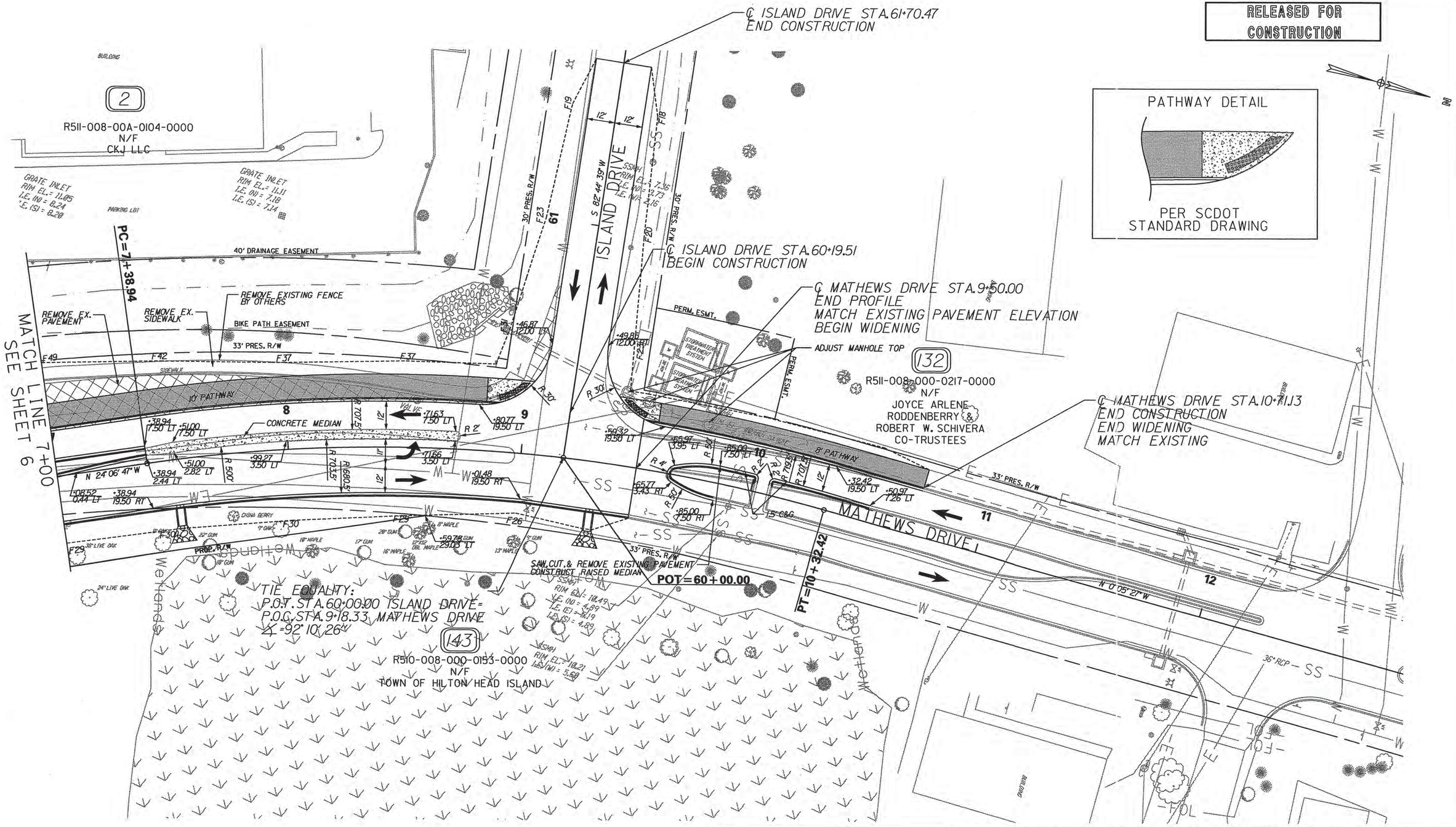

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 DANIEL BORROWSKI

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ___ - ___
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

CONSTRUCTION PLANS

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2/12/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			8

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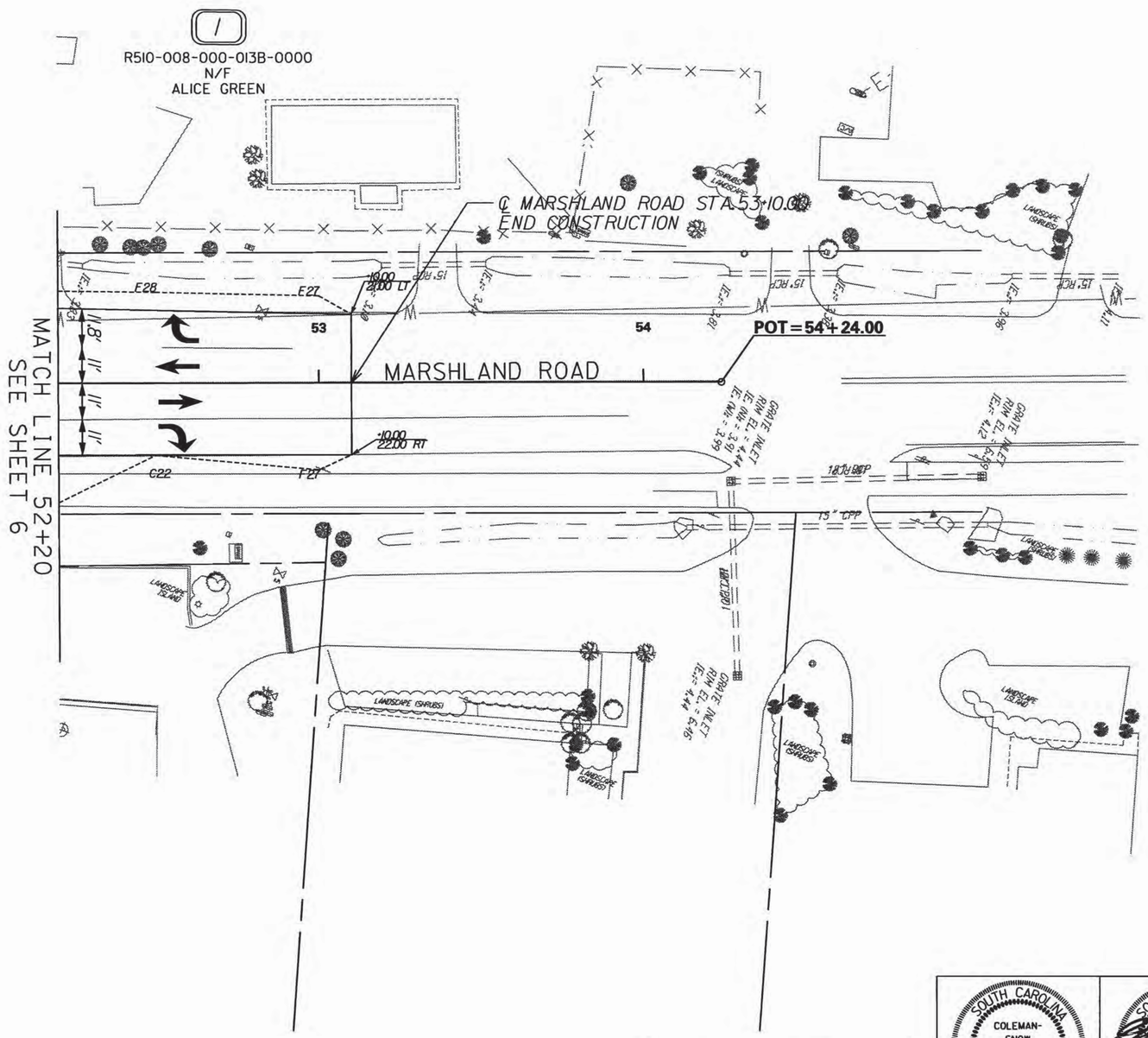

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ___ - ___
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

CONSTRUCTION PLANS

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1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			9

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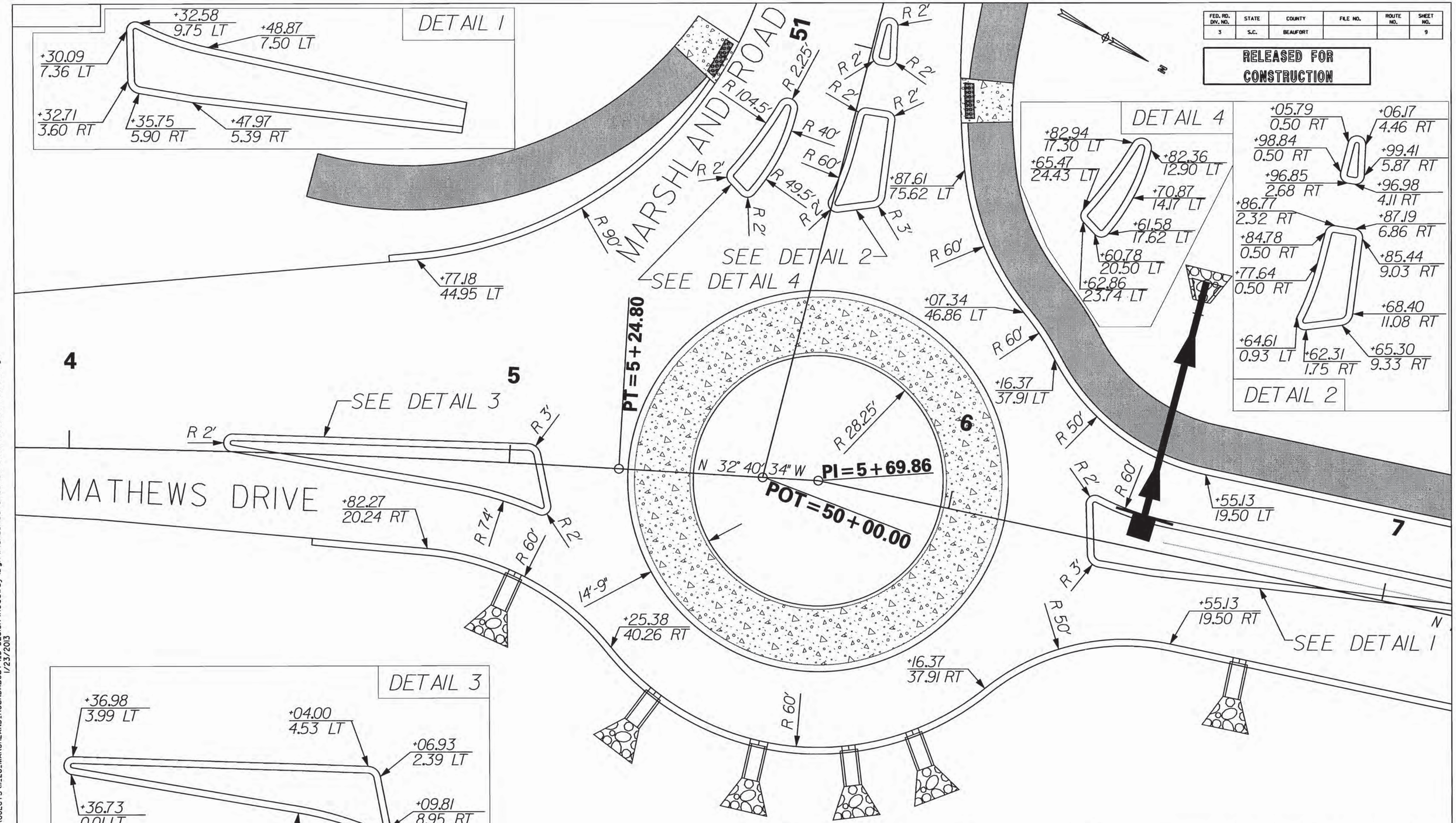

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____
R/W _____ DATE _____
GROUP ___ - ___

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

INTERSECTION DETAIL SHEET

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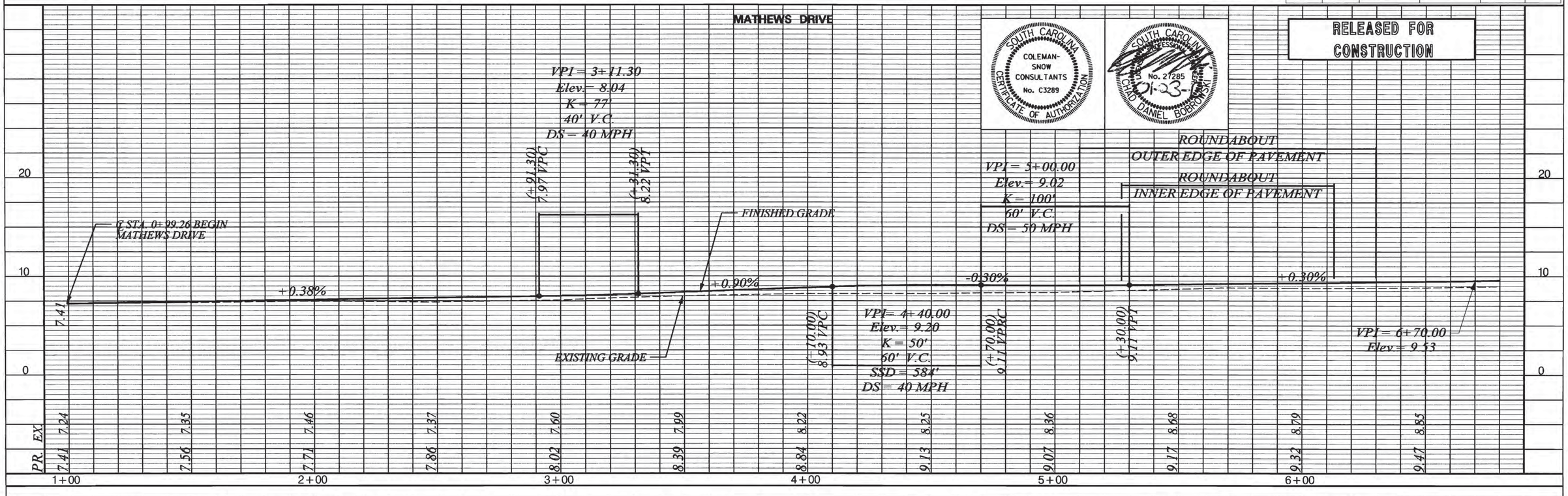
1/23/2013

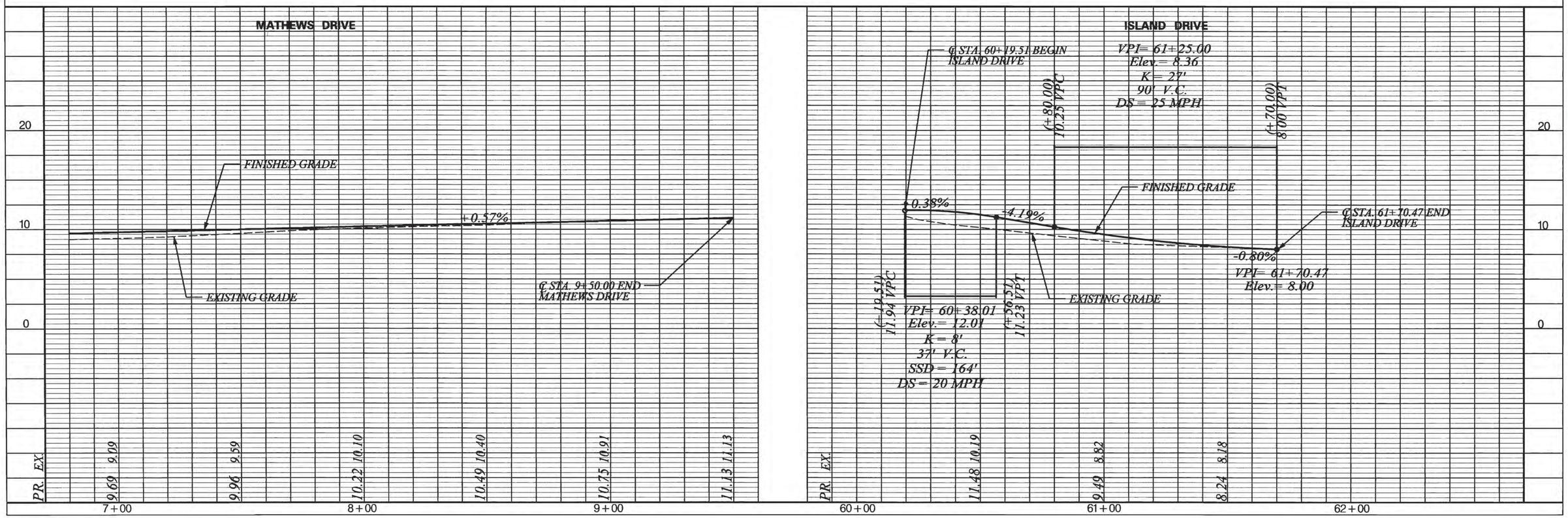
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			10

RELEASED FOR CONSTRUCTION

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI 01-23-13





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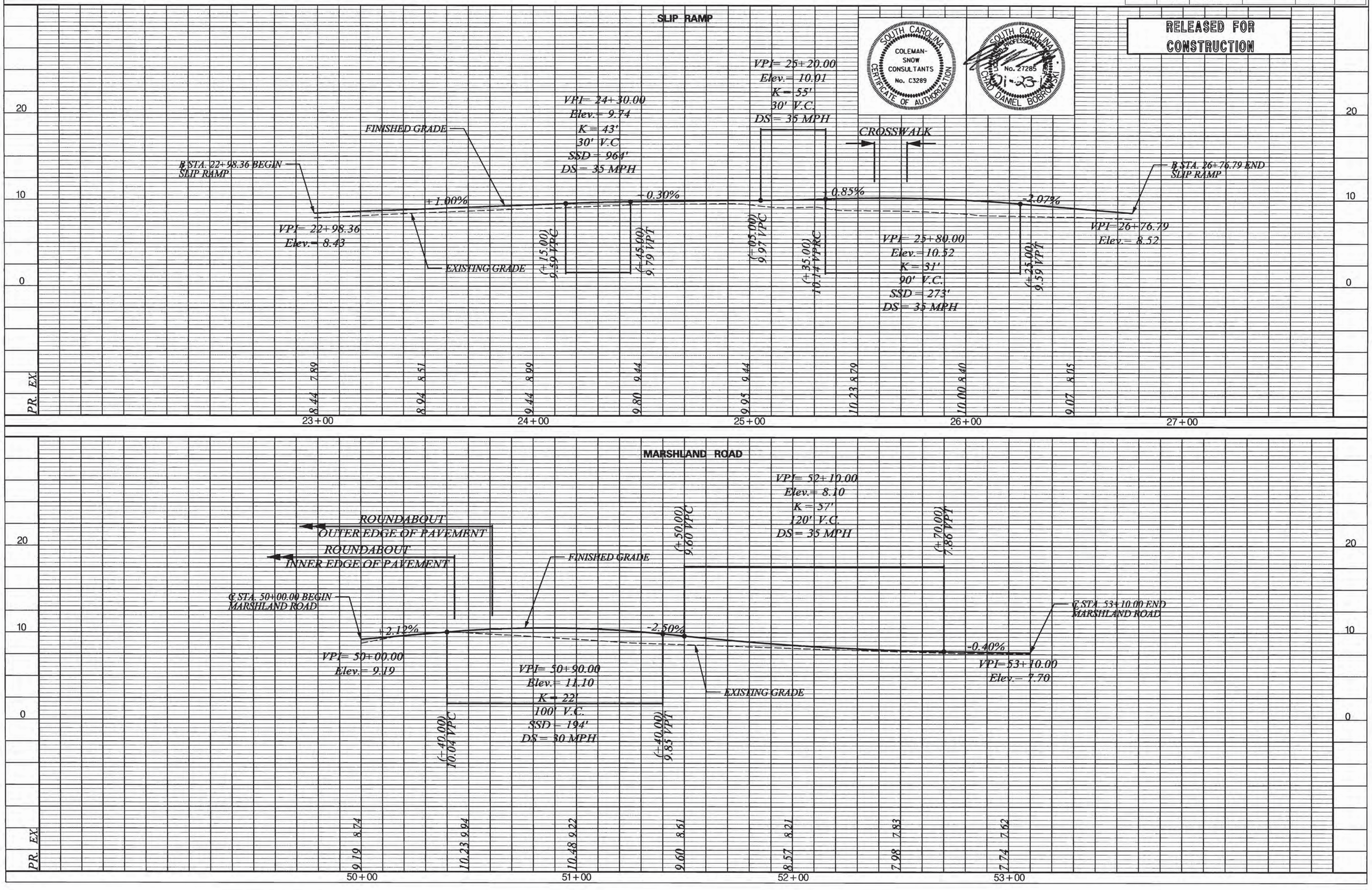
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			11

RELEASED FOR CONSTRUCTION

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI 1-23-13



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1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			12

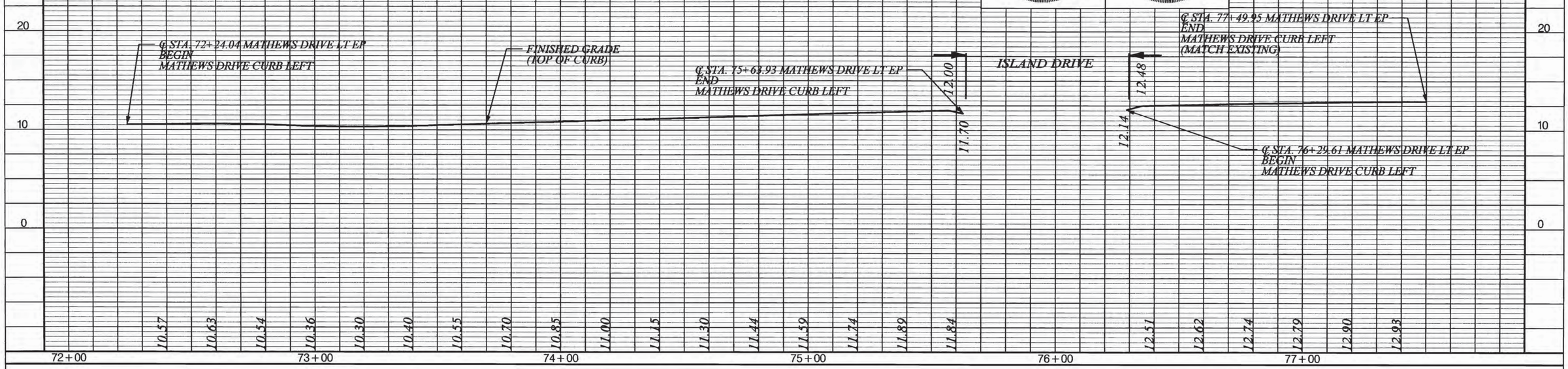
RELEASED FOR CONSTRUCTION

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

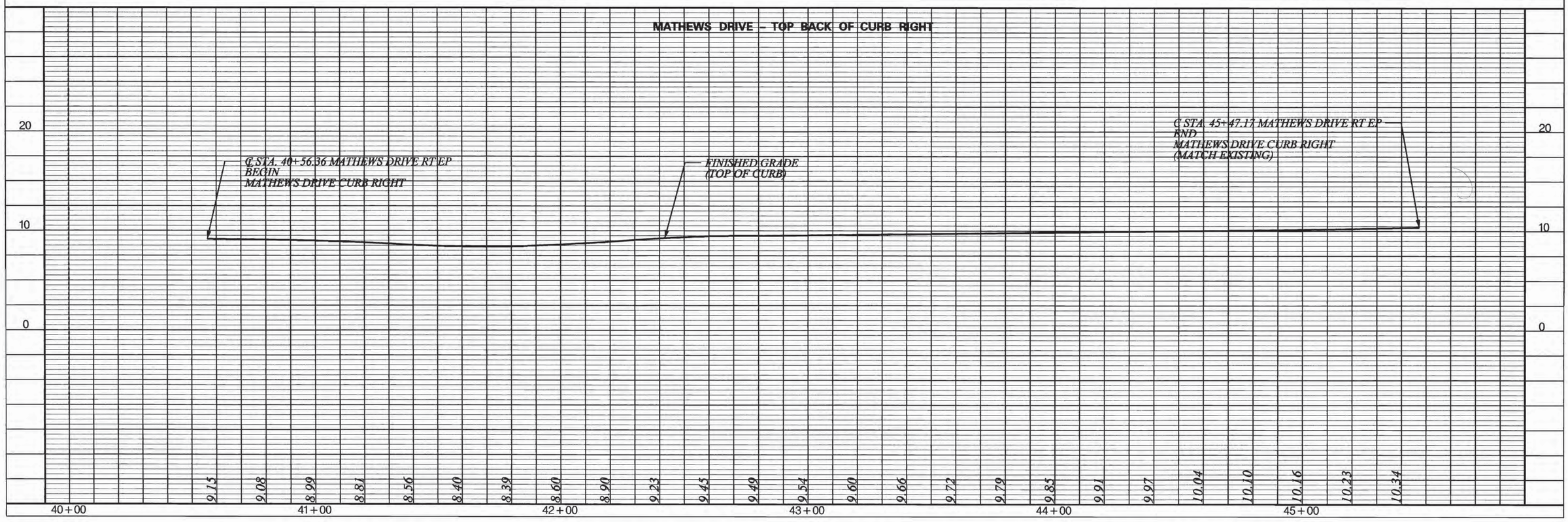
SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 DANIEL BOBROWSKI

01-23-13

MATHEWS DRIVE - TOP BACK OF CURB LEFT



MATHEWS DRIVE - TOP BACK OF CURB RIGHT



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1/23/2013

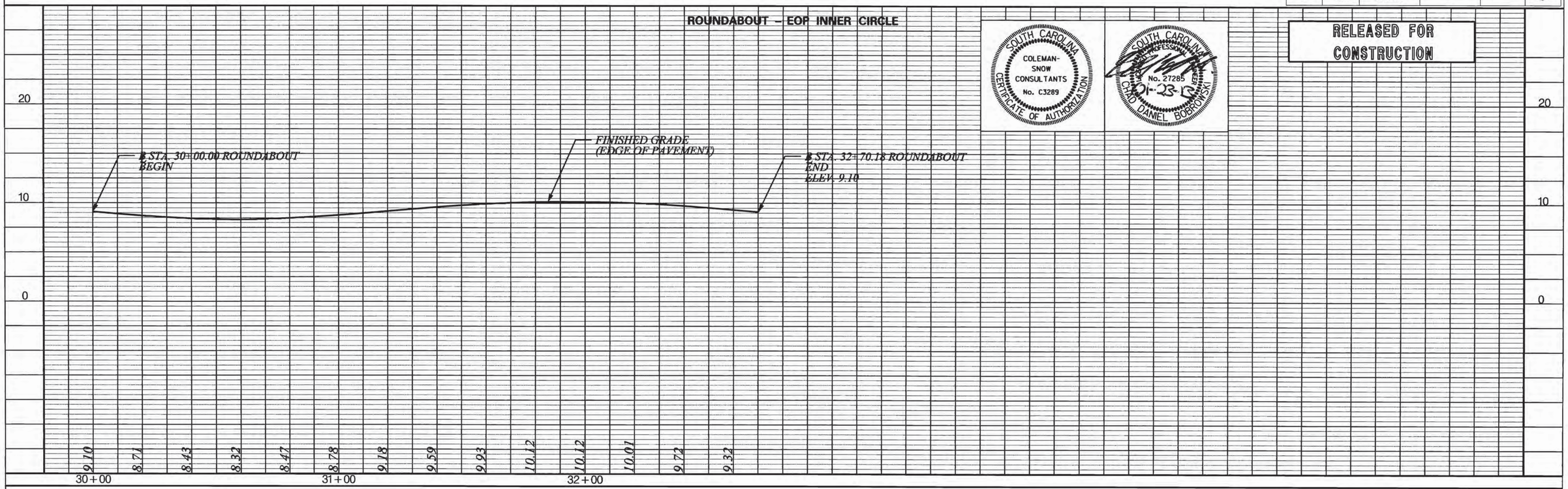
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			13

ROUNDABOUT – EOP INNER CIRCLE

SOUTH CAROLINA
COLEMAN-SNOW CONSULTANTS
No. C3289
CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA
PROFESSIONAL ENGINEER
No. 27285
01-23-13
CHAD DANIEL BOBROWSKI

RELEASED FOR CONSTRUCTION



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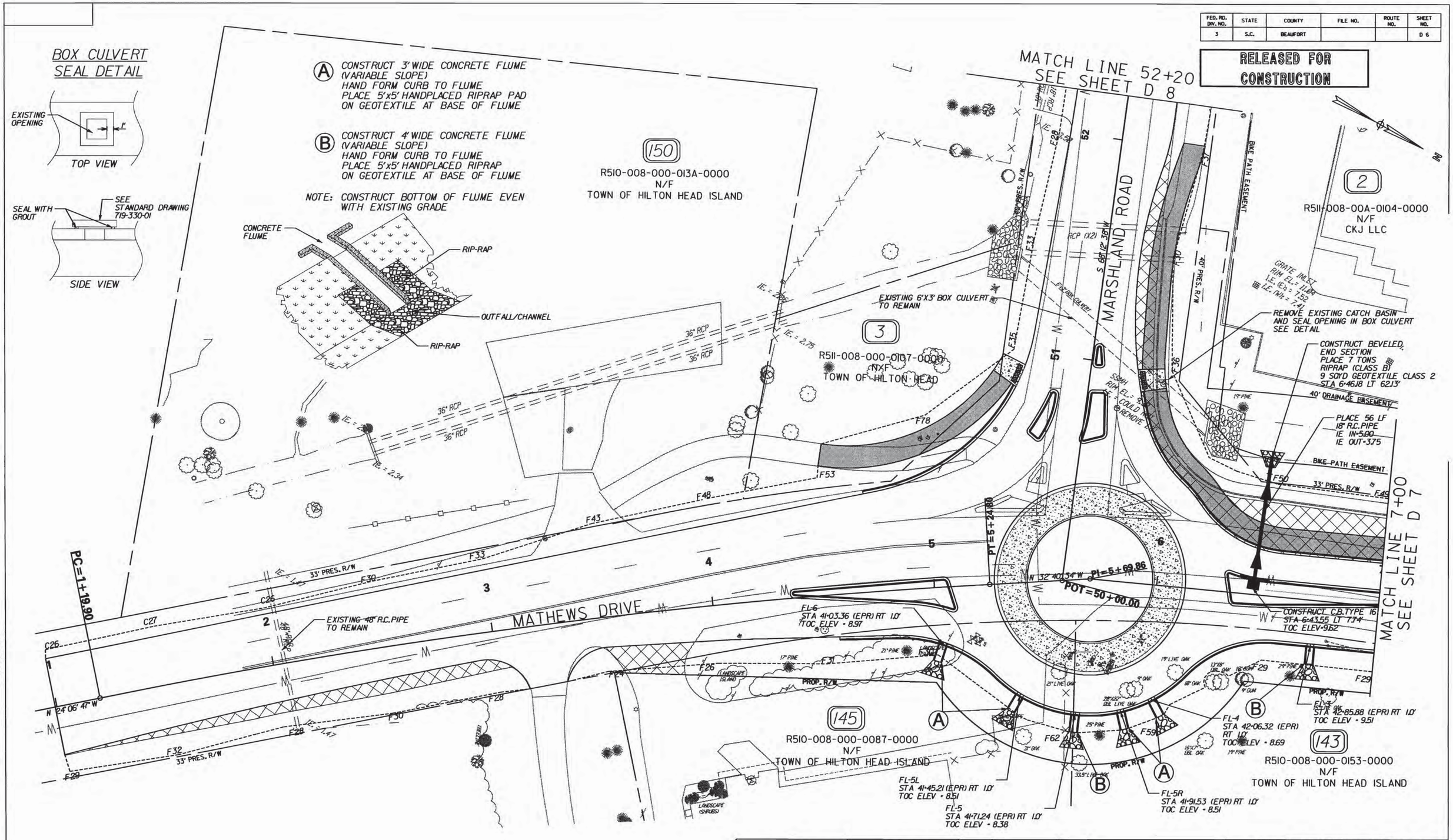
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			D 6

RELEASED FOR CONSTRUCTION



SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. ____ DATE ____
DWG. ____ DATE ____ GROUP ___ - ___
R/W ____ DATE ____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

DRAINAGE PLANS

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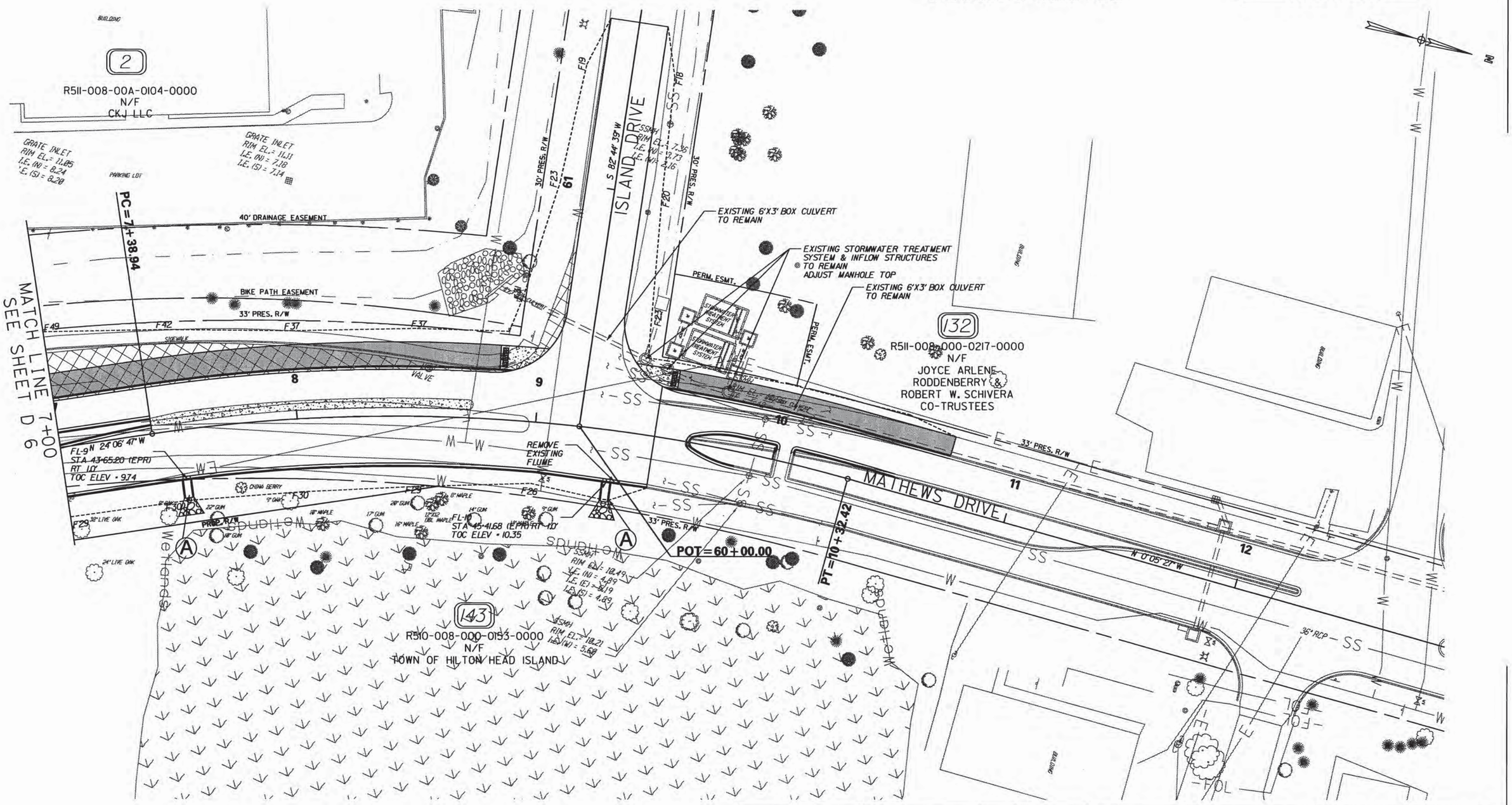
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			D 7

RELEASED FOR CONSTRUCTION



SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____
R/W _____ DATE _____
GROUP ____ - ____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

DRAINAGE PLANS

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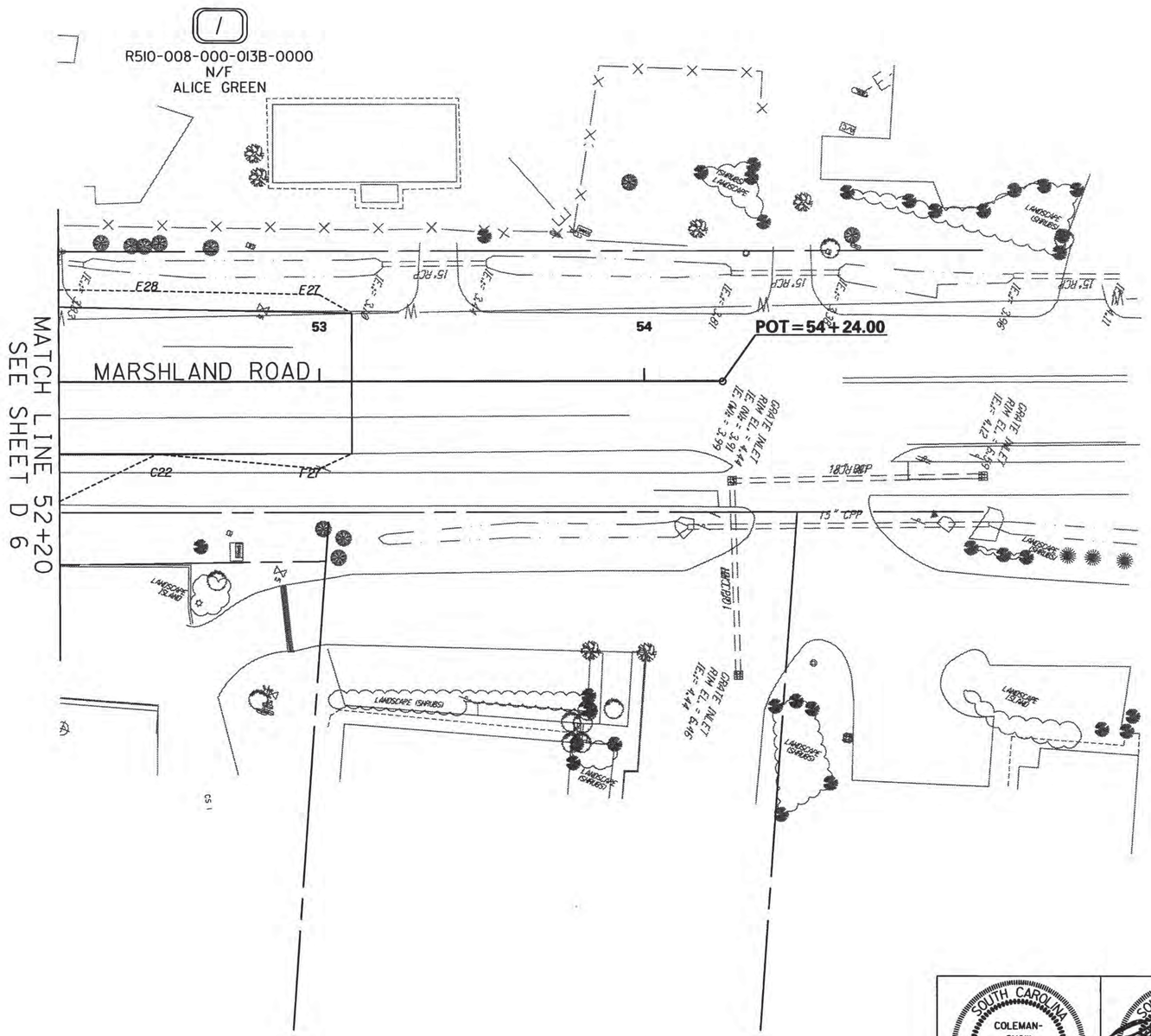
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			D 8

RELEASED FOR CONSTRUCTION



COLEMAN-SNOW CONSULTANTS
SOUTH CAROLINA
CERTIFICATE OF AUTHORIZATION
No. C3289

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 27285
01-23-13
RICHARD DANIEL BOBROWSKI

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ___ - ___
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

DRAINAGE PLANS

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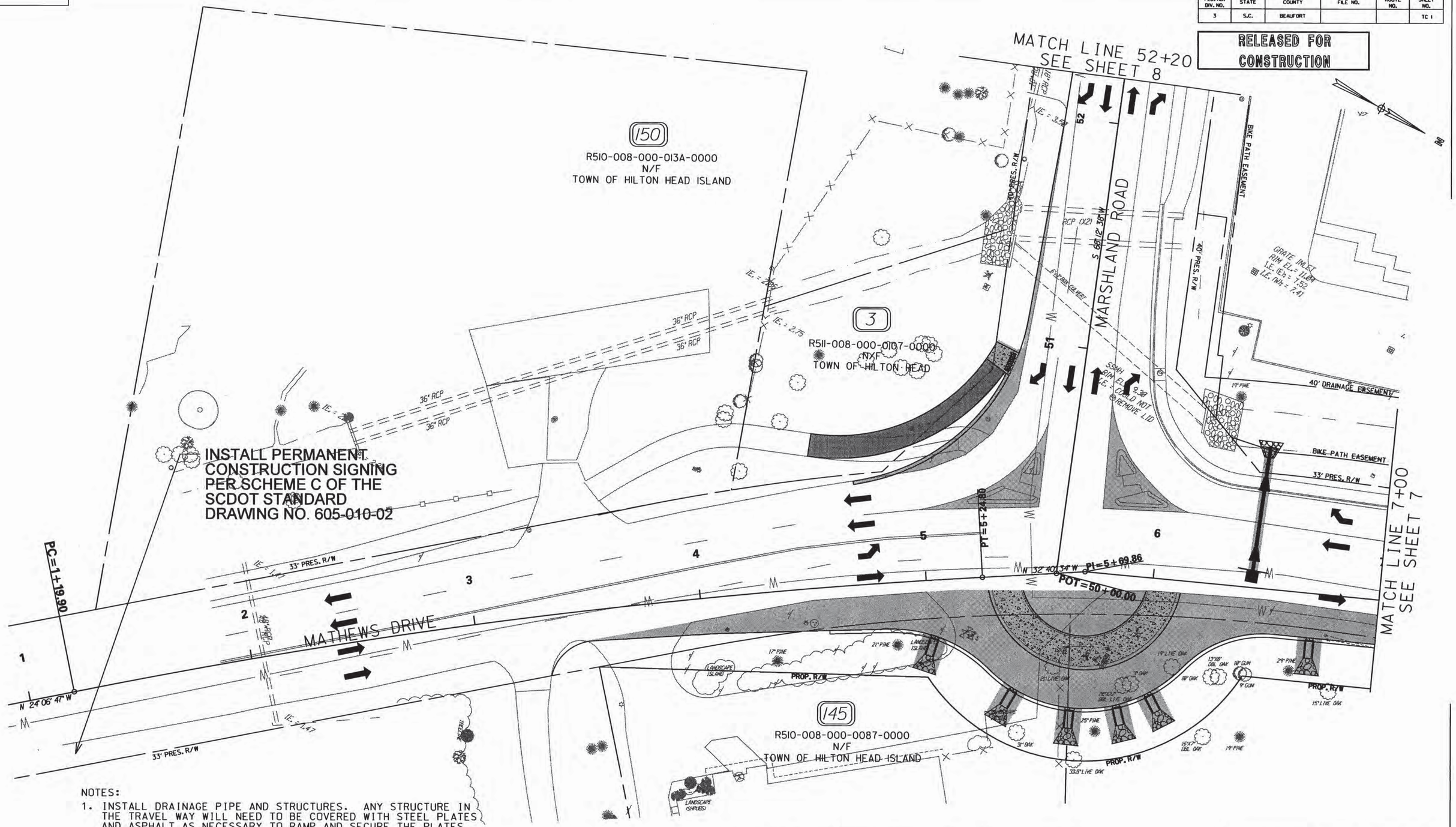
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			TC 1

RELEASED FOR CONSTRUCTION



NOTES:

1. INSTALL DRAINAGE PIPE AND STRUCTURES. ANY STRUCTURE IN THE TRAVEL WAY WILL NEED TO BE COVERED WITH STEEL PLATES AND ASPHALT AS NECESSARY TO RAMP AND SECURE THE PLATES TO ALLOW VEHICLES SAFE PASSAGE OVER THE STRUCTURE.
2. PLACE LEVELING COURSE ACROSS PROJECT USING TEMPORARY LANE CLOSURES.
3. REMOVE EXISTING RAISED CONCRETE MEDIANS AND PLACE PAVEMENT, AS NECESSARY, AT THE MARSHLAND INTERSECTION.
4. CONSTRUCT OUTSIDE OF MATHEWS DRIVE AND ROUNDABOUT AS SHOWN IN SHADED AREA.
5. CONSTRUCT ADDITIONAL WORK SHOWN ON MARSHLAND ROAD AND AT ISLAND DRIVE.

0 20 40 60 80
SCALE IN FEET

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 01-23-13 CHAD DANIEL BOBROWSKI

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ___ - ___
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

TRAFFIC CONTROL PLANS PHASE I

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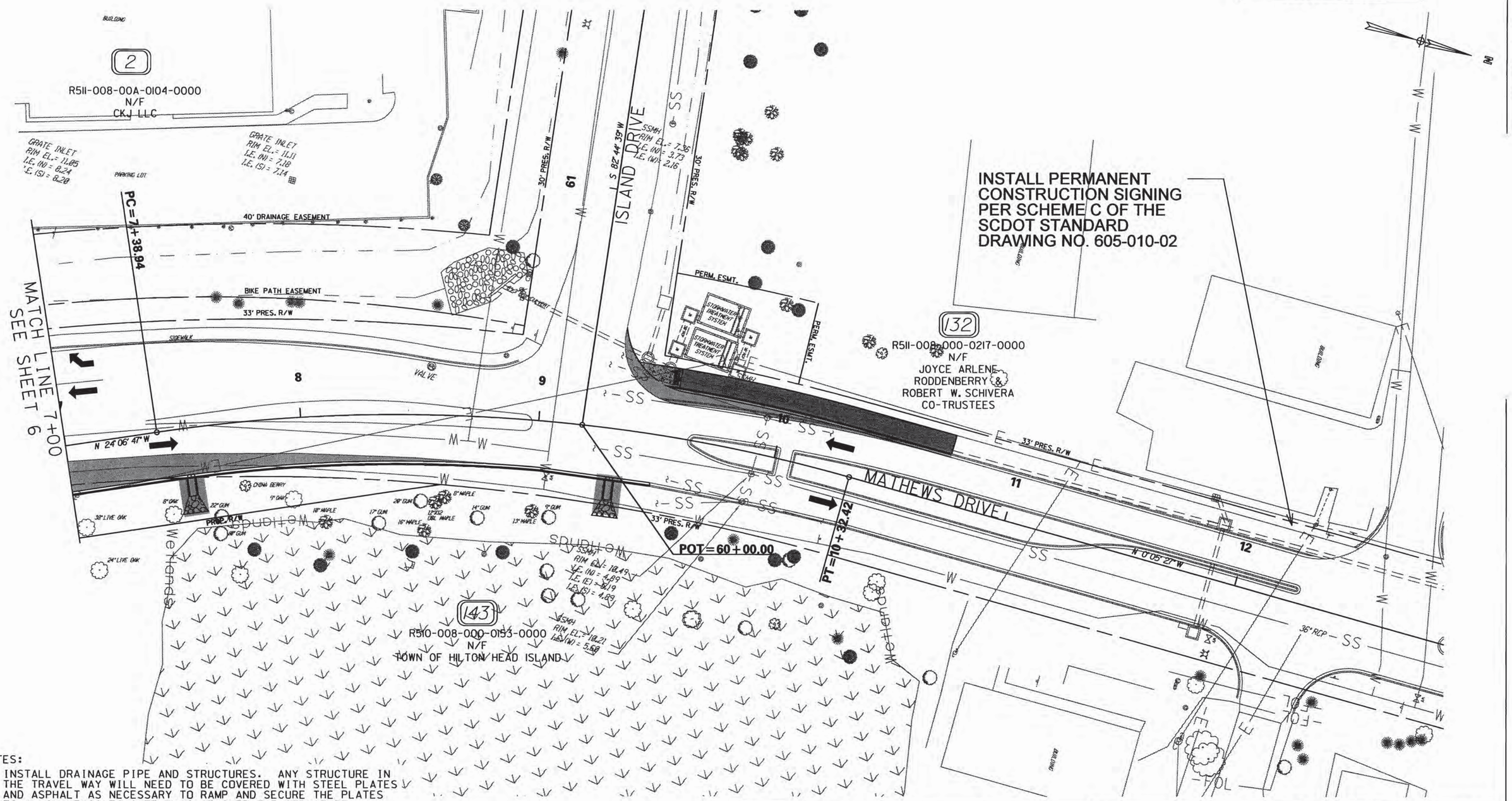
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			TC 2

RELEASED FOR CONSTRUCTION



NOTES:

1. INSTALL DRAINAGE PIPE AND STRUCTURES. ANY STRUCTURE IN THE TRAVEL WAY WILL NEED TO BE COVERED WITH STEEL PLATES AND ASPHALT AS NECESSARY TO RAMP AND SECURE THE PLATES TO ALLOW VEHICLES SAFE PASSAGE OVER THE STRUCTURE.
2. PLACE LEVELING COURSE ACROSS PROJECT USING TEMPORARY LANE CLOSURES.
3. REMOVE EXISTING RAISED CONCRETE MEDIANS AND PLACE PAVEMENT, AS NECESSARY, AT THE MARSHLAND INTERSECTION.
4. CONSTRUCT OUTSIDE OF MATHEWS DRIVE AND ROUNDABOUT AS SHOWN IN SHADED AREA.
5. CONSTRUCT ADDITIONAL WORK SHOWN ON MARSHLAND ROAD AND AT ISLAND DRIVE.

0 20 40 60 80
SCALE IN FEET

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ___ - ___
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

TRAFFIC CONTROL PLANS PHASE I

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1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			TC 3

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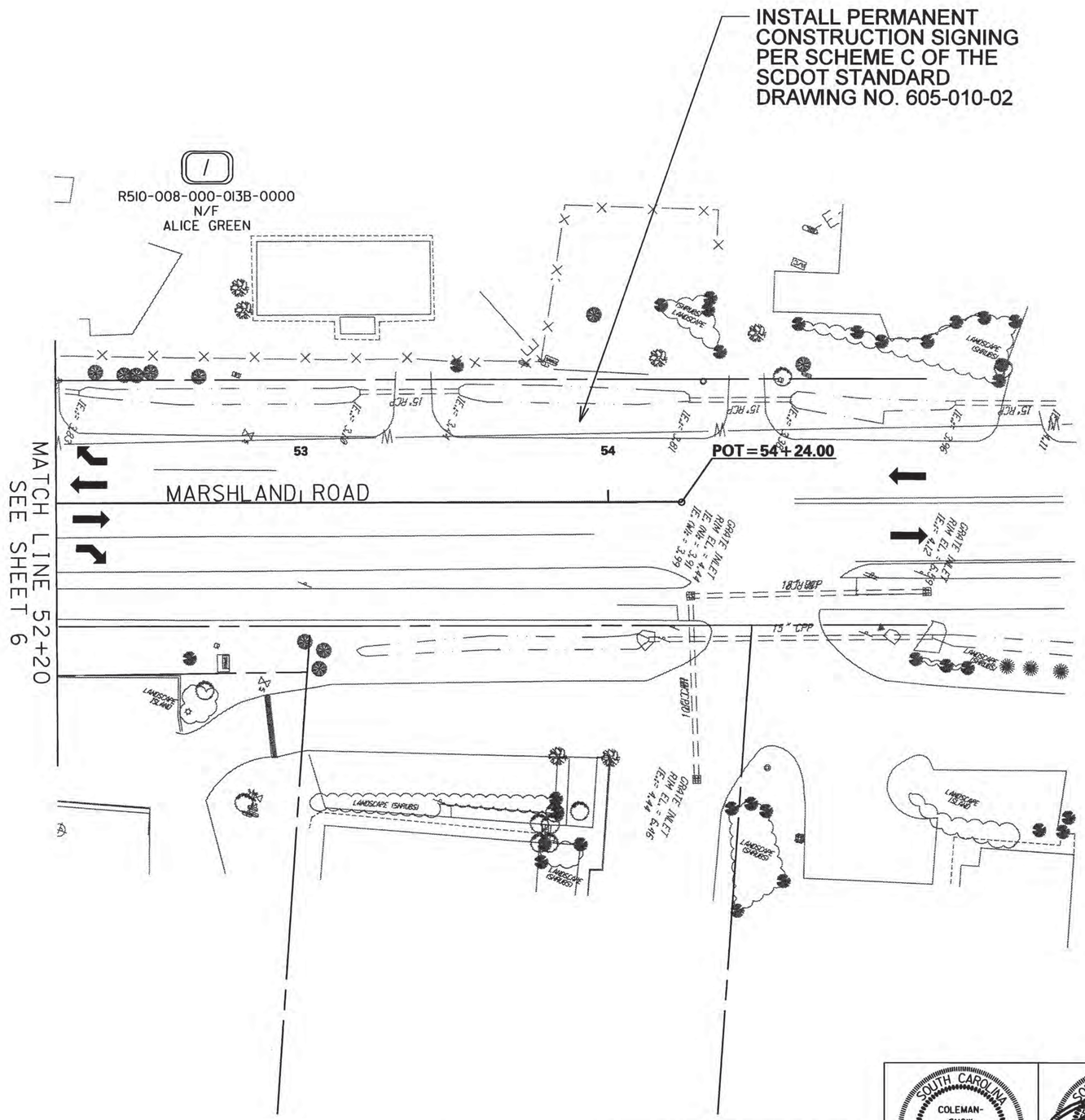

NOTES:

1. INSTALL DRAINAGE PIPE AND STRUCTURES. ANY STRUCTURE IN THE TRAVEL WAY WILL NEED TO BE COVERED WITH STEEL PLATES AND ASPHALT AS NECESSARY TO RAMP AND SECURE THE PLATES TO ALLOW VEHICLES SAFE PASSAGE OVER THE STRUCTURE.
2. PLACE LEVELING COURSE ACROSS PROJECT USING TEMPORARY LANE CLOSURES.
3. REMOVE EXISTING RAISED CONCRETE MEDIANS AND PLACE PAVEMENT, AS NECESSARY, AT THE MARSHLAND INTERSECTION.
4. CONSTRUCT OUTSIDE OF MATHEWS DRIVE AND ROUNDABOUT AS SHOWN IN SHADED AREA.
5. CONSTRUCT ADDITIONAL WORK SHOWN ON MARSHLAND ROAD AND AT ISLAND DRIVE.

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 MICHAEL DANIEL BORROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ___ - ___
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

TRAFFIC CONTROL PLANS PHASE I

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1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			TC 4

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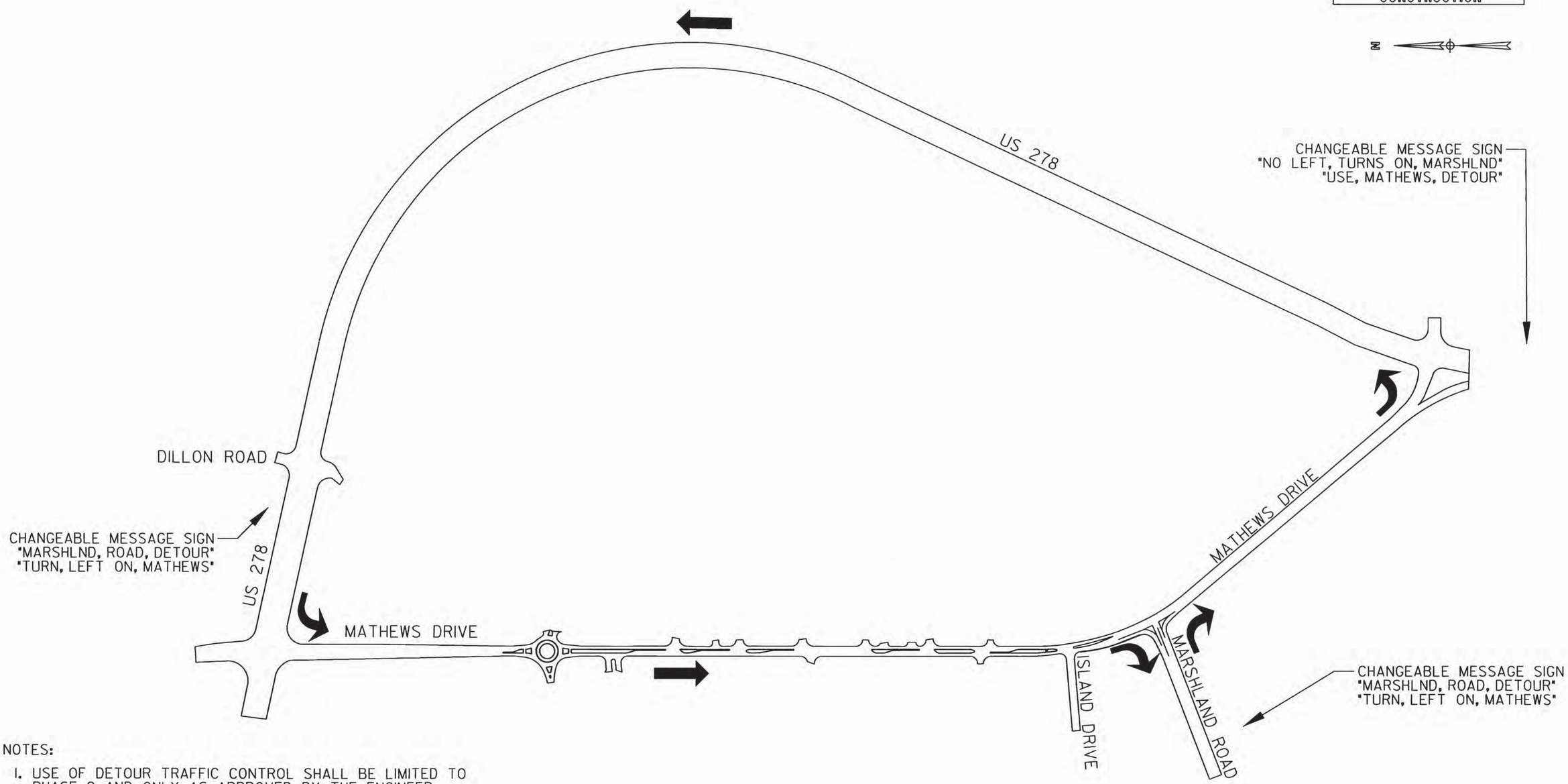

NOTES:

1. USE OF DETOUR TRAFFIC CONTROL SHALL BE LIMITED TO PHASE 2, AND ONLY AS APPROVED BY THE ENGINEER.
2. LEFT TURNS TO NOT BE ALLOWED FOR 14 WORKING DAYS AT MARSHLAND ROAD/MATHEWS DRIVE INTERSECTION FOR CONSTRUCTION OF ROUNDABOUT. STRAIGHT AND RIGHT TURNS WILL BE PERMITTED.
3. USE U.S. 278 TO MATHEWS DRIVE AS SHOWN ON THIS SHEET. ACCESS TO MARSHLAND ROAD TO REMAIN THROUGHOUT PHASE.
4. THE TOTAL LENGTH OF THIS DETOUR IS APPROXIMATELY 2 MILES.
5. USE CHANGEABLE MESSAGE SIGNS TO DIRECT TRAFFIC DURING CLOSURE.

0 200 400 600 800
SCALE IN FEET

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 01-23-13 CHAD DANIEL BOBRONSKI

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ___ - ___
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

TRAFFIC CONTROL PLANS PHASE 2 DETOUR

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1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			TC 5

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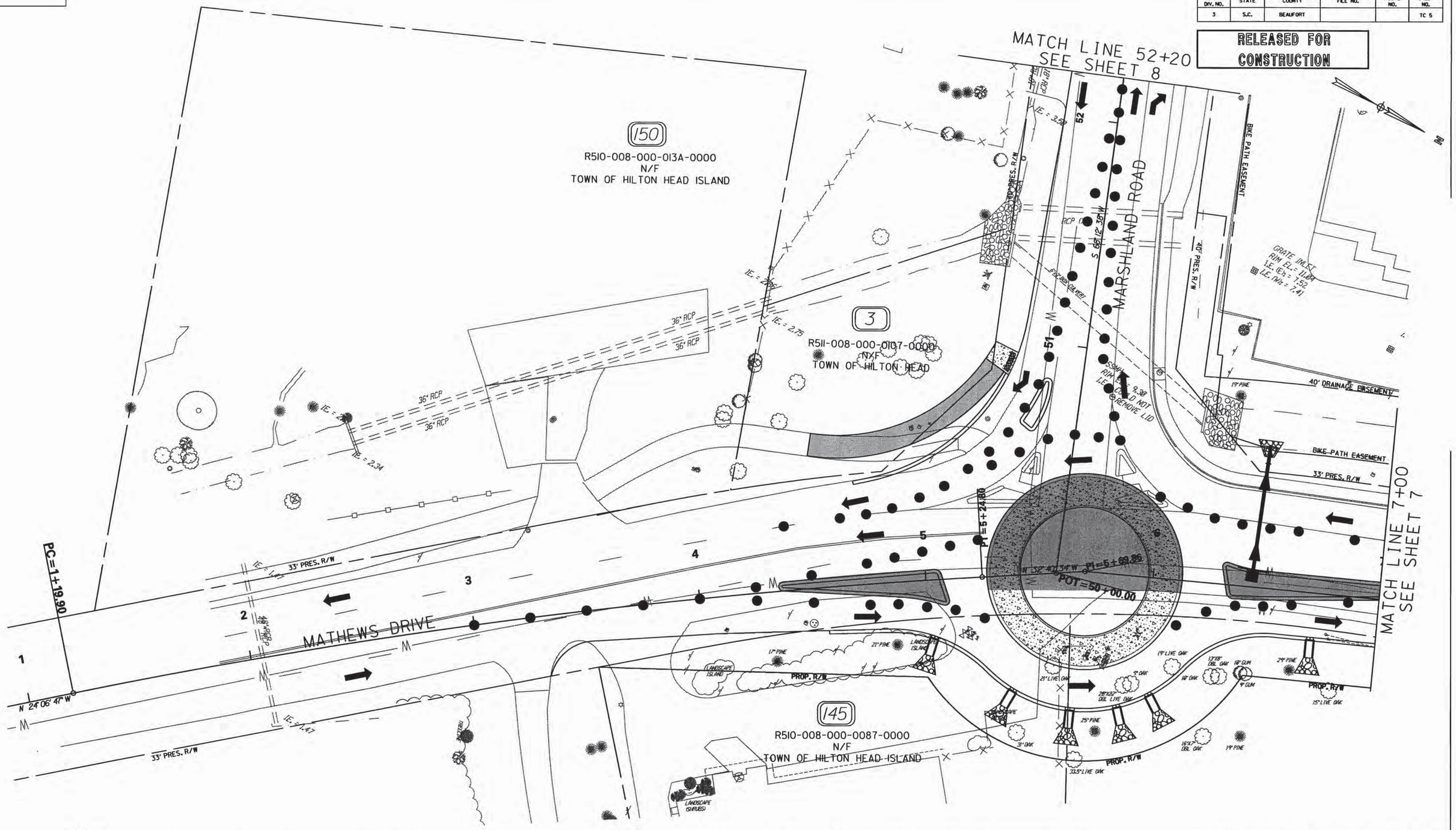

NOTES:

1. USE DETOUR PLAN ON SHEET TC 4 TO PROHIBIT ALL LEFT TURNS FOR 14 WORKING DAYS.
2. PLACE BARRELS AS SHOWN TO DIRECT TRAFFIC WITH 25' SPACING IN TANGENTS AND 10' IN CURVES.
3. FINISH CONSTRUCTING ROUNDABOUT AND CONSTRUCT APPROACH MEDIANS ON MATHEWS DRIVE.
4. COMPLETE ANY OUTSTANDING LEVELING.

0 20 40 60 80
SCALE IN FEET

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 01-23-13 CHAD DANIEL BOBROWSKI

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ____ - ____
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

TRAFFIC CONTROL PLANS PHASE 2

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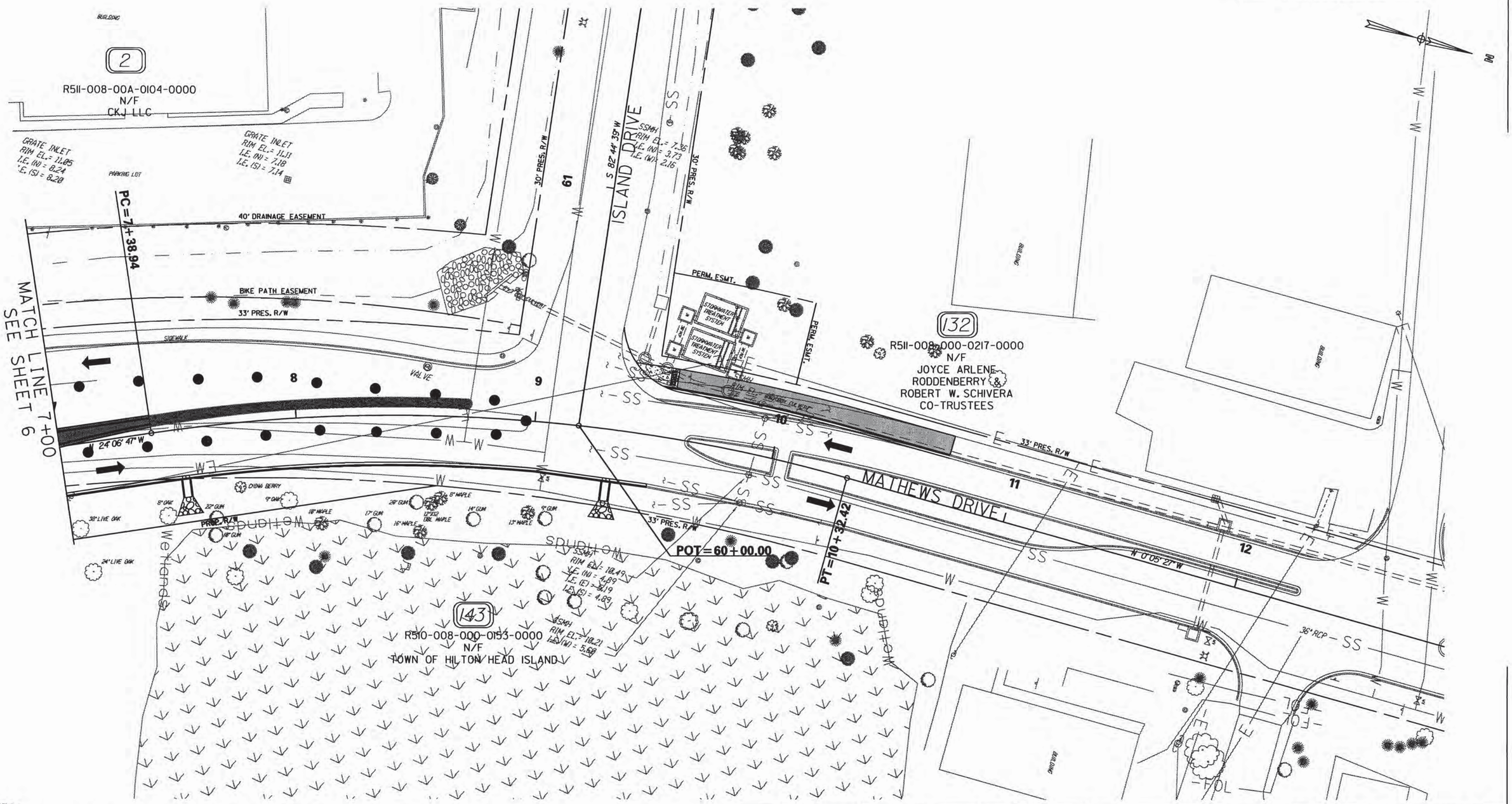
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			TC 6

RELEASED FOR CONSTRUCTION



NOTES:

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2. PLACE BARRELS AS SHOWN TO DIRECT TRAFFIC WITH 25' SPACING IN TANGENTS AND 10' IN CURVES.
3. FINISH CONSTRUCTING ROUNDABOUT AND CONSTRUCT APPROACH MEDIANS ON MATHEWS DRIVE.
4. COMPLETE ANY OUTSTANDING LEVELING.

0 20 40 60 80

SCALE IN FEET

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 01-23-13 CHAD DANIEL BOBROWSKI

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ___ - ___
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

TRAFFIC CONTROL PLANS PHASE 2

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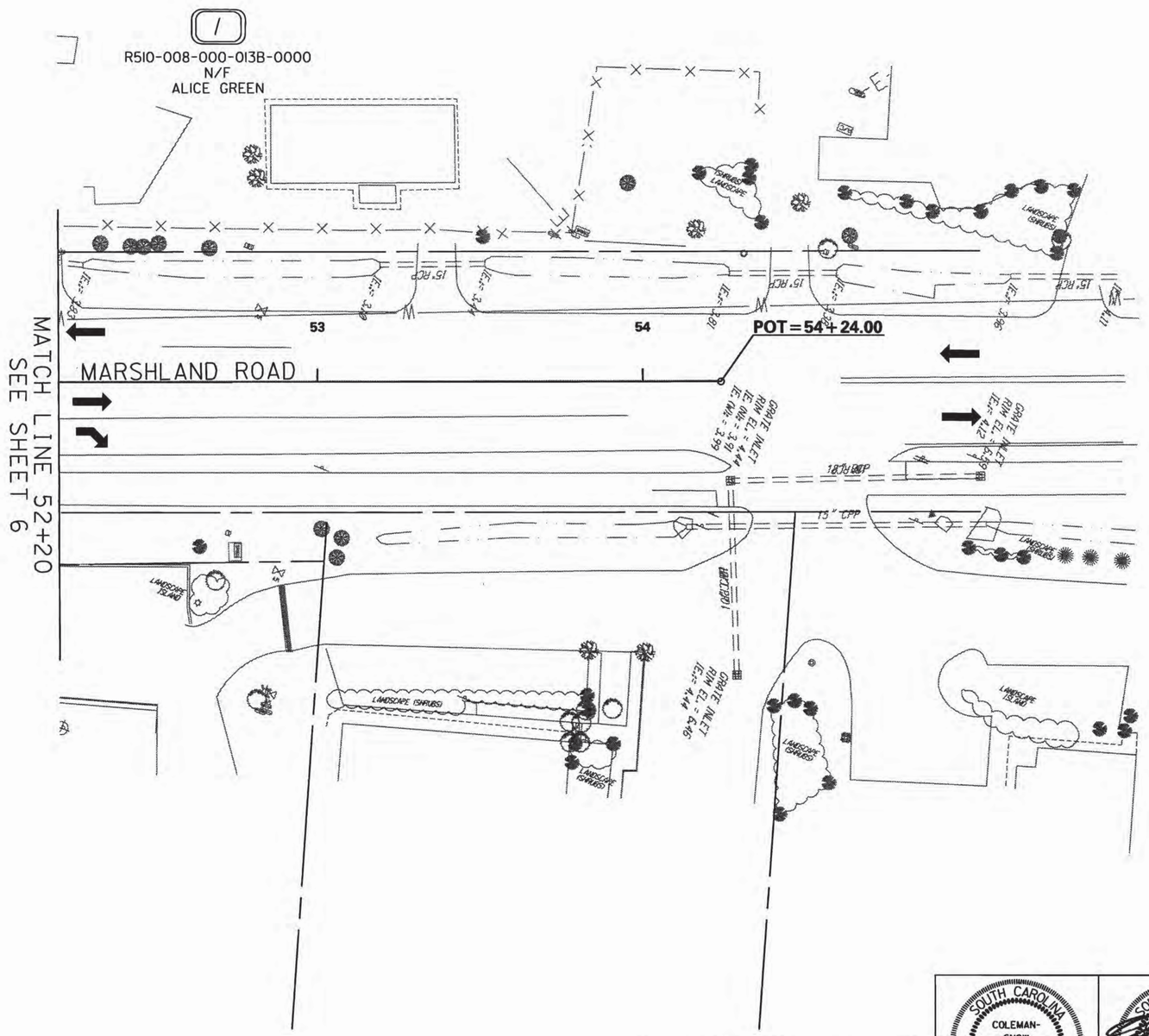
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			TC 7

RELEASED FOR CONSTRUCTION



NOTES:

1. USE DETOUR PLAN ON SHEET TC 4 TO PROHIBIT ALL LEFT TURNS FOR 14 WORKING DAYS.
2. PLACE BARRELS AS SHOWN TO DIRECT TRAFFIC WITH 25' SPACING IN TANGENTS AND 10' IN CURVES.
3. FINISH CONSTRUCTING ROUNDABOUT AND CONSTRUCT APPROACH MEDIANS ON MATHEWS DRIVE.
4. COMPLETE ANY OUTSTANDING LEVELING.

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 01-03-13 CHAD DANIEL BOBROWSKI

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TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

TRAFFIC CONTROL PLANS PHASE 2

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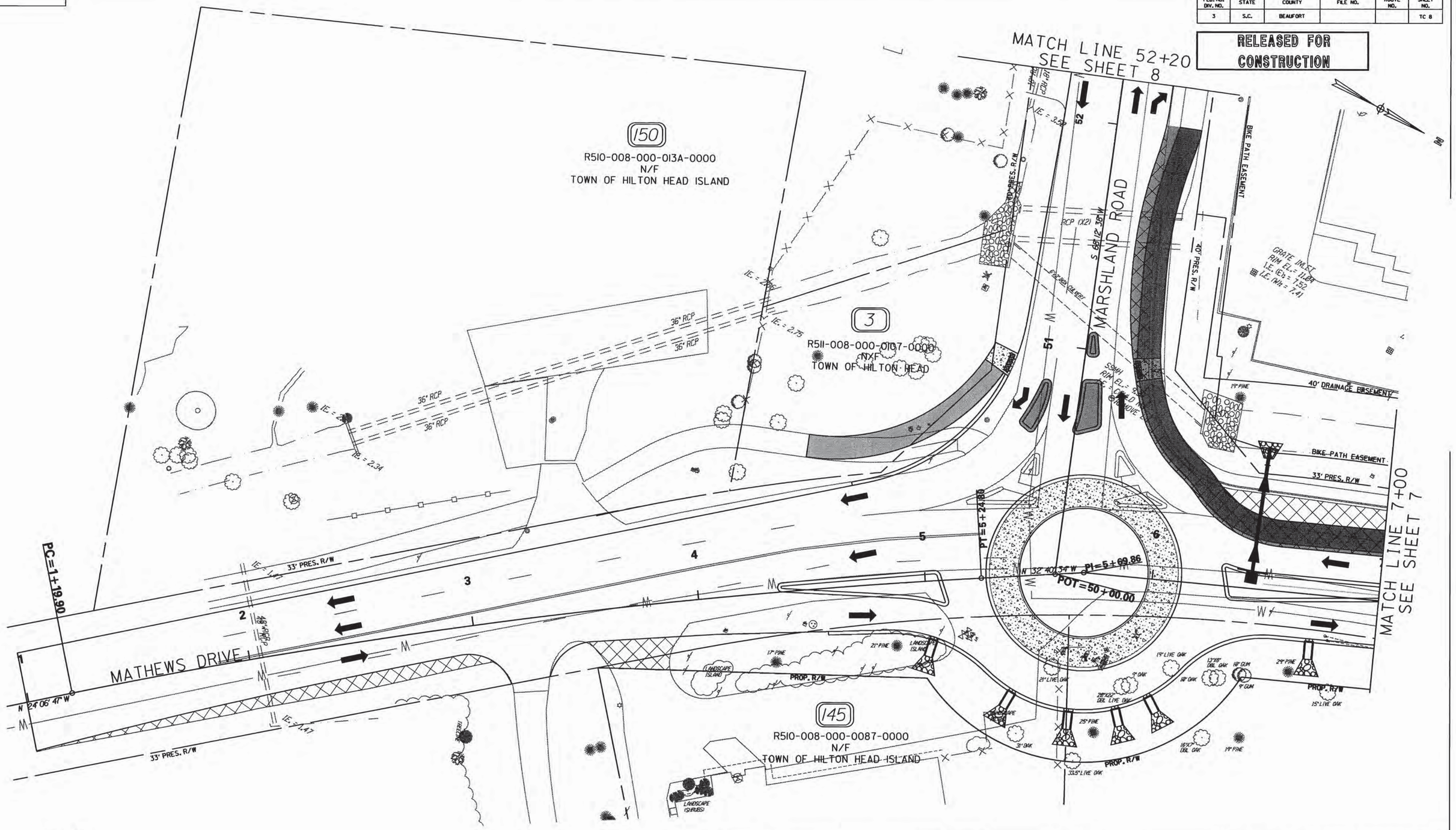
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			TC 8

RELEASED FOR CONSTRUCTION



NOTES:
1. CONSTRUCT FINAL LANE CONFIGURATIONS AND PATHWAYS.
2. COMPLETE CONSTRUCTION OF ISLAND DRIVE.
3. PLACE FINAL SURFACE ACROSS PROJECT.
4. REMOVE ASPHALT PAVEMENT AS SHOWN BY HATCHING.

0 20 40 60 80
SCALE IN FEET

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA No. 27285 01-23-13 CHAD DANIEL BOBROWSKI

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TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

TRAFFIC CONTROL PLANS PHASE 3

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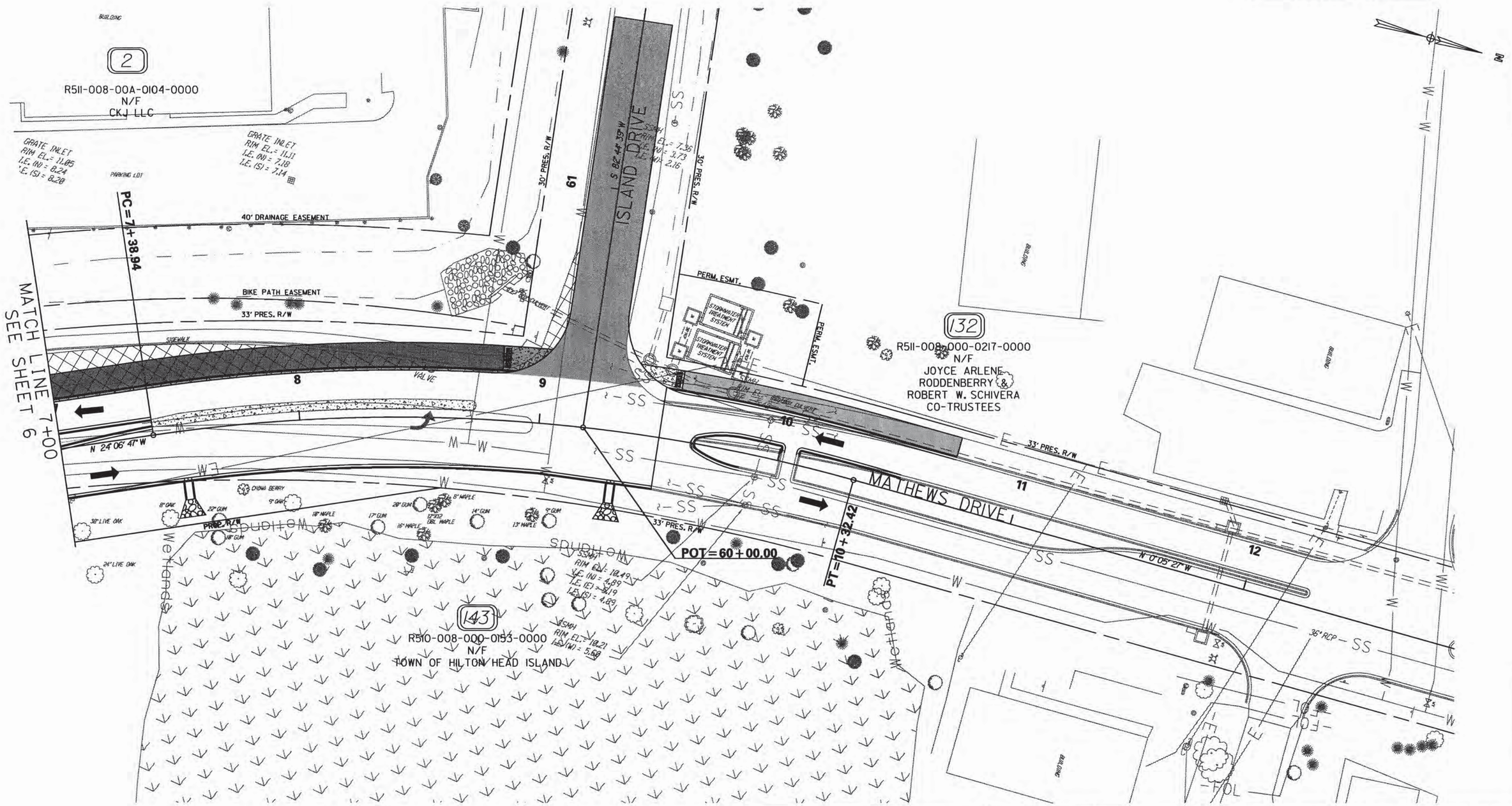
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			TC 9

RELEASED FOR CONSTRUCTION



NOTES:
1. CONSTRUCT FINAL LANE CONFIGURATIONS AND PATHWAYS.
2. COMPLETE CONSTRUCTION OF ISLAND DRIVE.
3. PLACE FINAL SURFACE ACROSS PROJECT.
4. REMOVE ASPHALT PAVEMENT AS SHOWN BY HATCHING.

0 20 40 60 80
SCALE IN FEET

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 RICHARD DANIEL BOBROWSKI 01-23-13

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TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

TRAFFIC CONTROL PLANS PHASE 3

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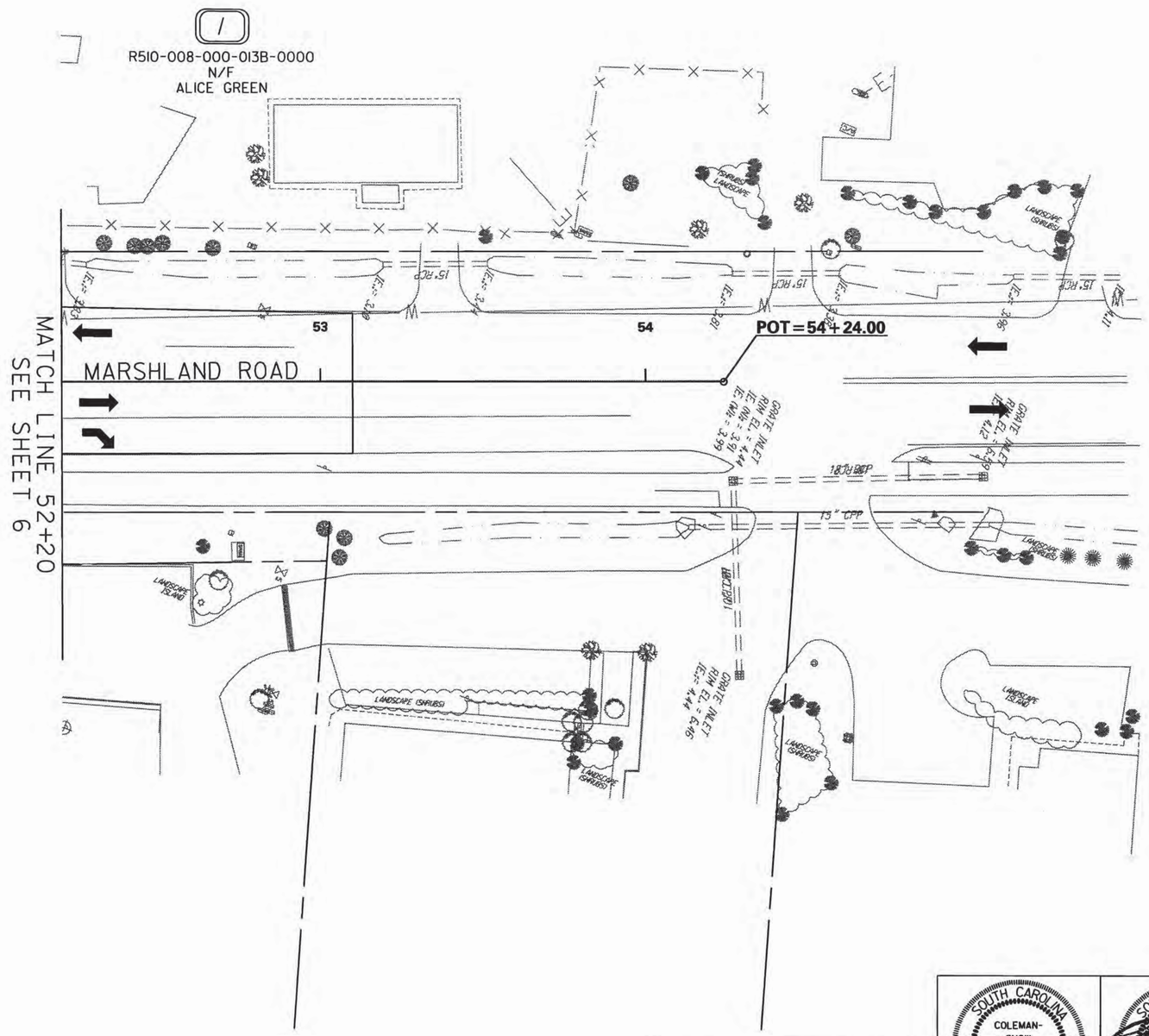
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			TC 10

RELEASED FOR CONSTRUCTION



NOTES:
1. CONSTRUCT FINAL LANE CONFIGURATIONS AND PATHWAYS.
2. COMPLETE CONSTRUCTION OF ISLAND DRIVE.
3. PLACE FINAL SURFACE ACROSS PROJECT.
4. REMOVE ASPHALT PAVEMENT AS SHOWN BY HATCHING.

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SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI 01-23-13

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TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

TRAFFIC CONTROL PLANS PHASE 3

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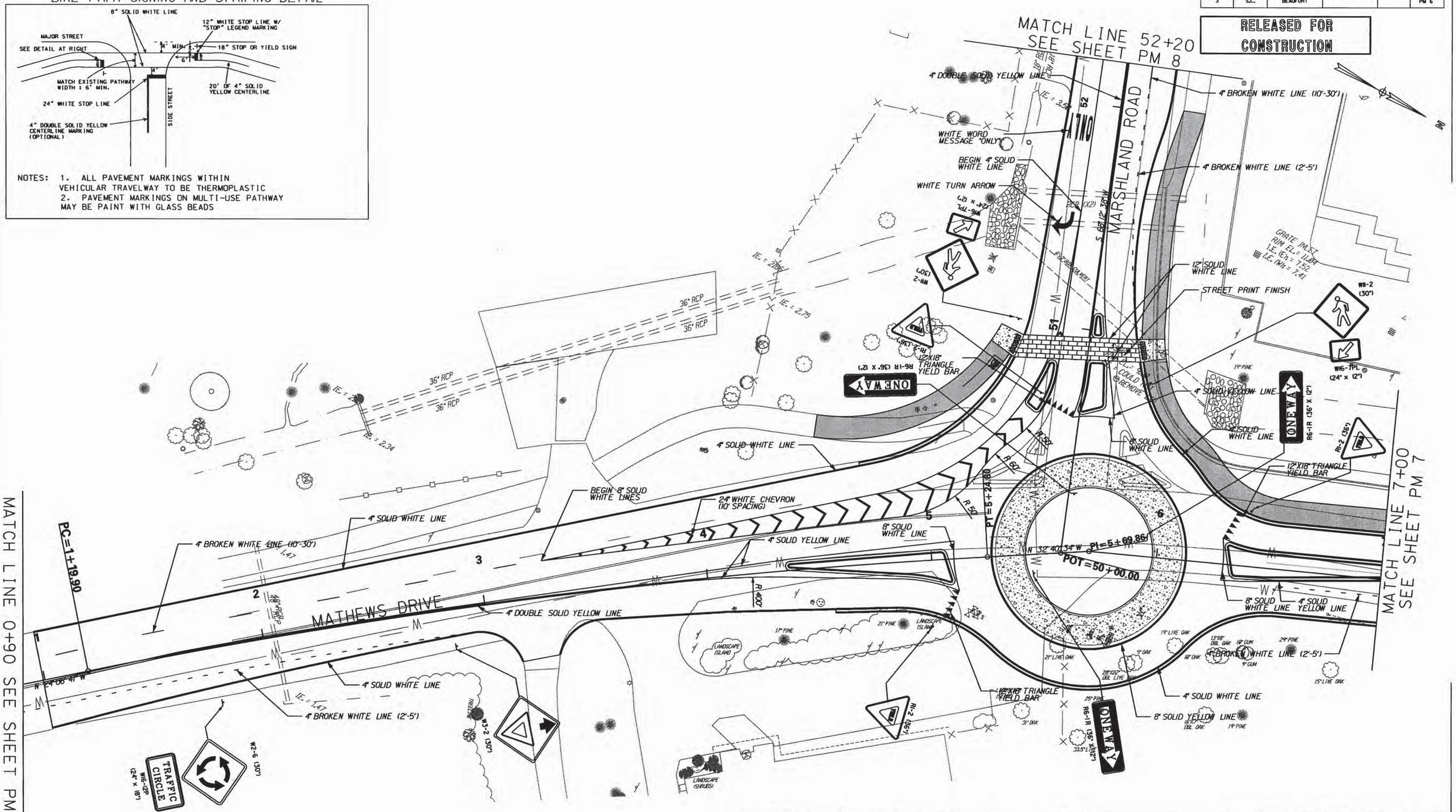
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			PM 6

RELEASED FOR CONSTRUCTION

BIKE PATH SIGNING AND STRIPING DETAIL

NOTES: 1. ALL PAVEMENT MARKINGS WITHIN VEHICULAR TRAVELWAY TO BE THERMOPLASTIC
2. PAVEMENT MARKINGS ON MULTI-USE PATHWAY MAY BE PAINT WITH GLASS BEADS



MATCH LINE 0+90 SEE SHEET PM 6A

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1/23/2013

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 01-23-13 CHAD DANIEL BOBROWSKI

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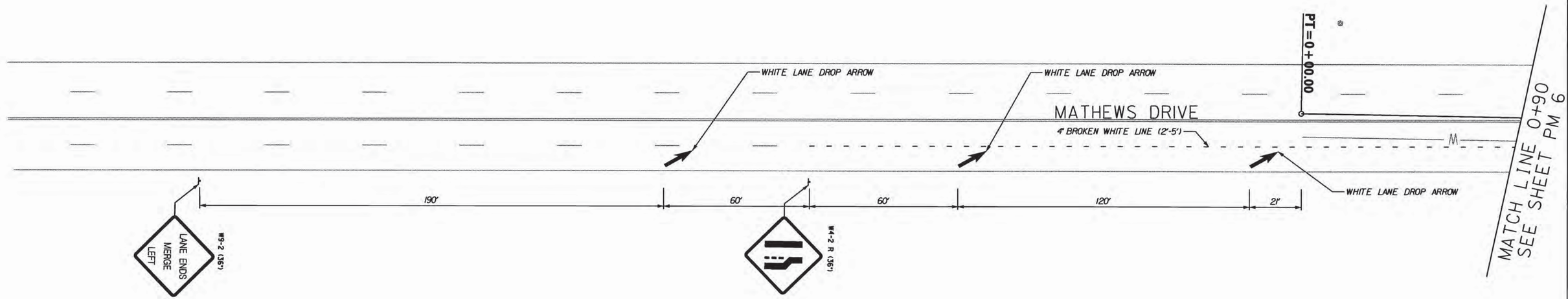
TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

PAVEMENT MARKING AND SIGNING PLANS

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			PM 6A

RELEASED FOR CONSTRUCTION



0 20 40 60 80
SCALE IN FEET

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI 01-23-13

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R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

PAVEMENT MARKING AND SIGNING PLANS

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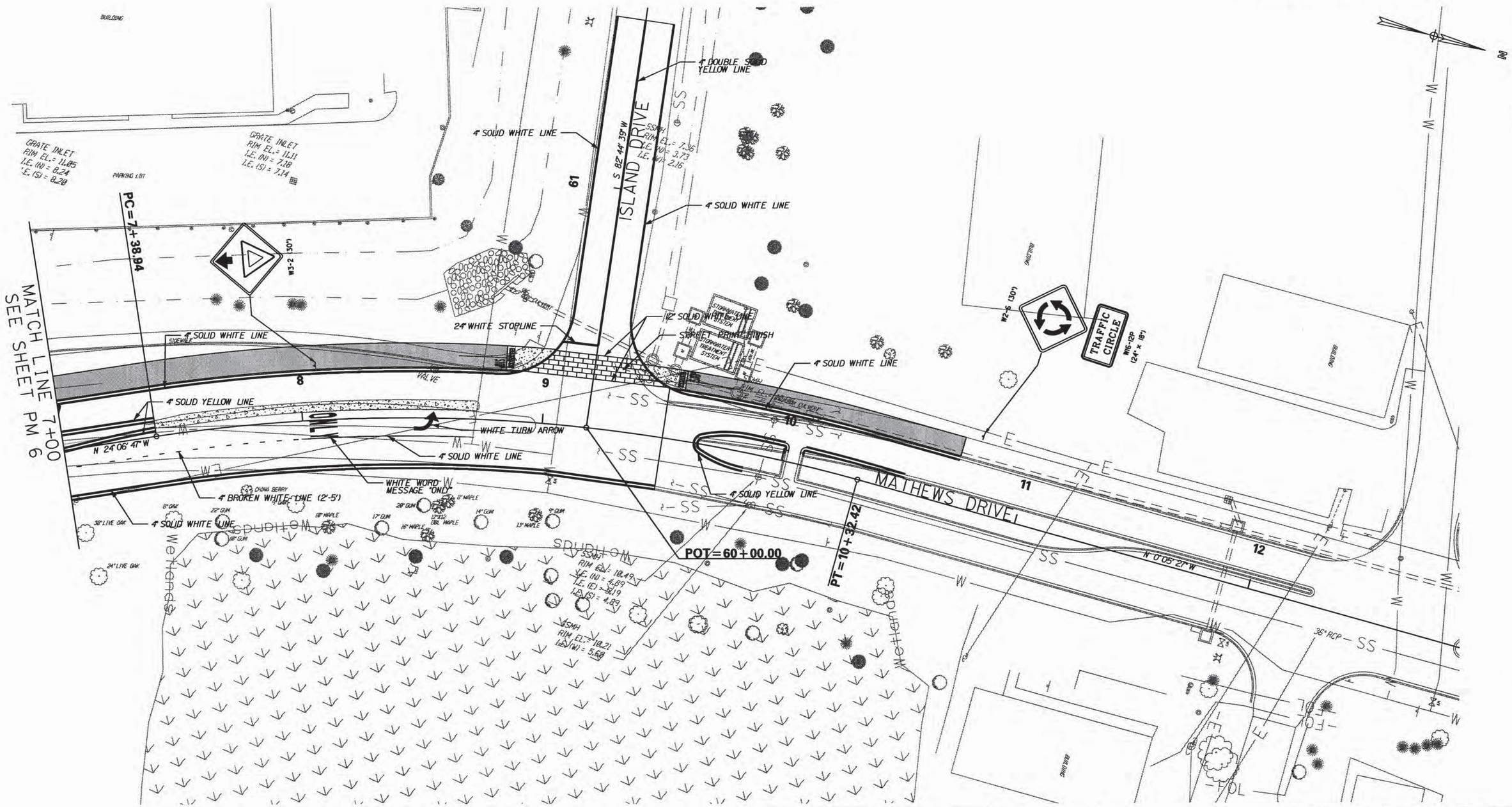
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			PM 7

RELEASED FOR CONSTRUCTION



0 20 40 60 80

SCALE IN FEET

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SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 01-23-13 CHAD DANIEL BOBROWSKI

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TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

PAVEMENT MARKING AND SIGNING PLANS

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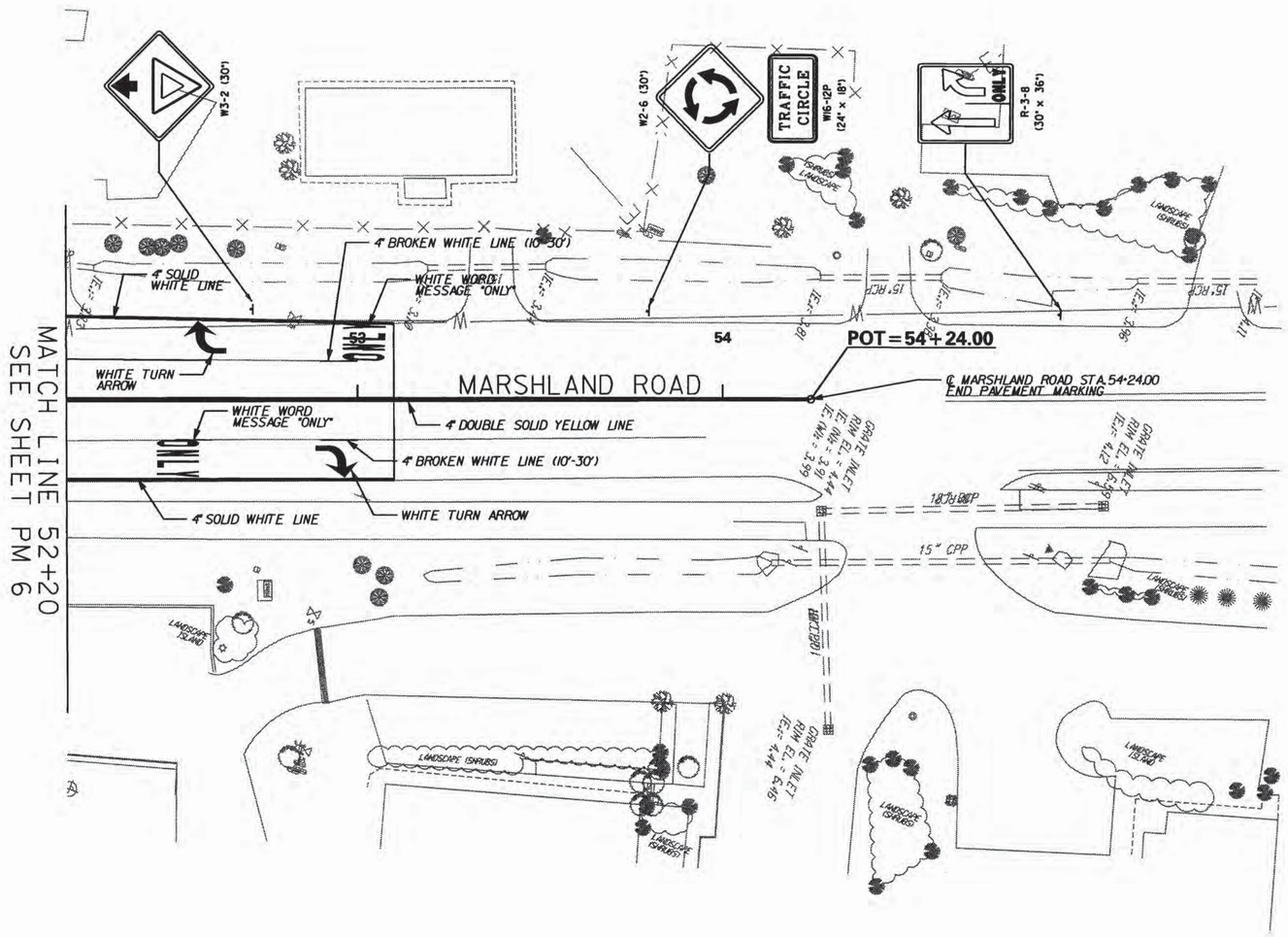
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			PM 8

RELEASED FOR CONSTRUCTION



0 20 40 60 80
SCALE IN FEET

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 01-23-13 CHRIS DANIEL BOBROWSKI

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ___ - ___
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

PAVEMENT MARKING AND SIGNING PLANS

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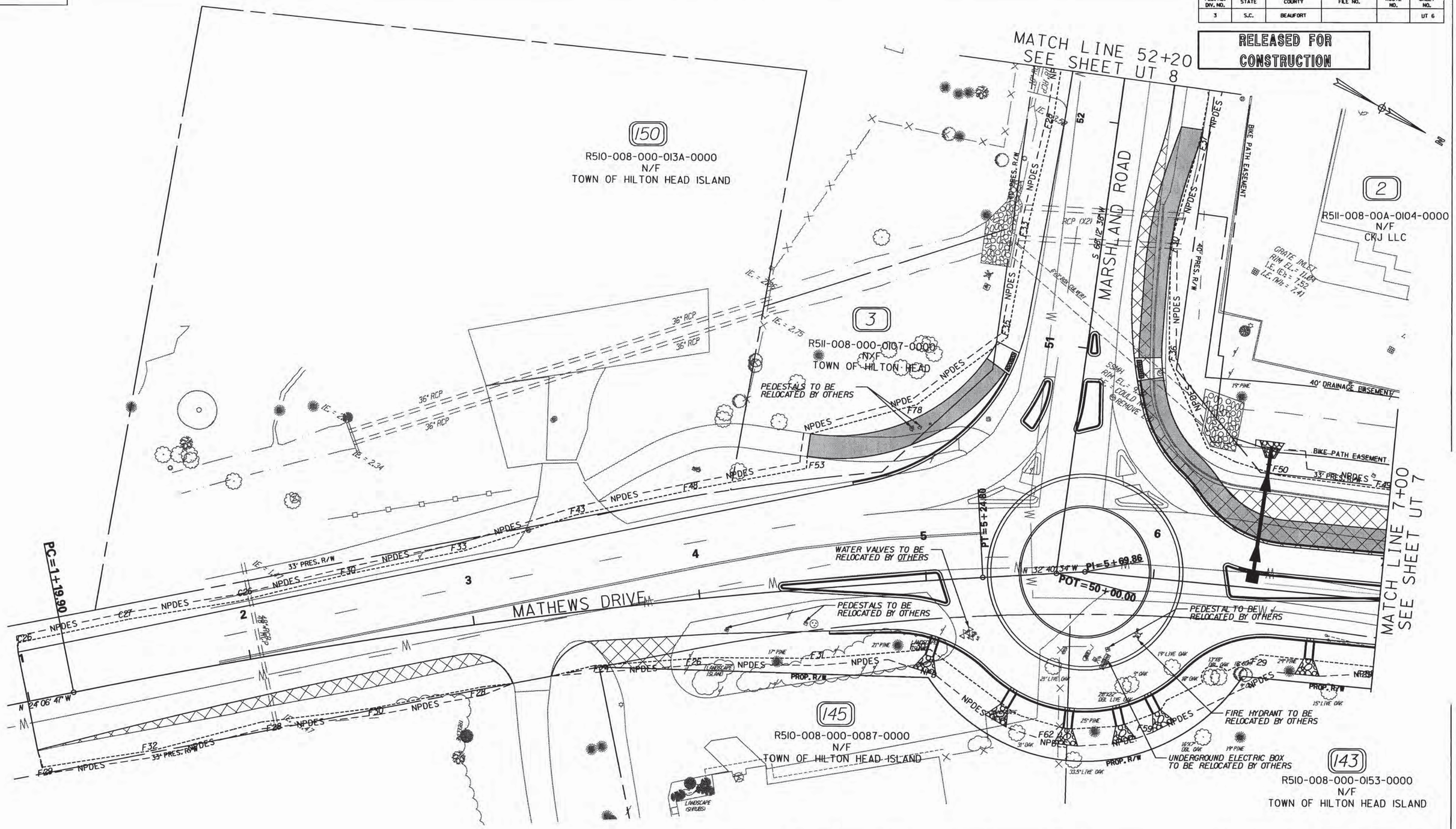
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			UT 6

RELEASED FOR CONSTRUCTION



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SCALE IN FEET

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI 03-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. ____ DATE ____
DWG. ____ DATE ____ GROUP ___ - ___
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TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

UTILITY PLANS

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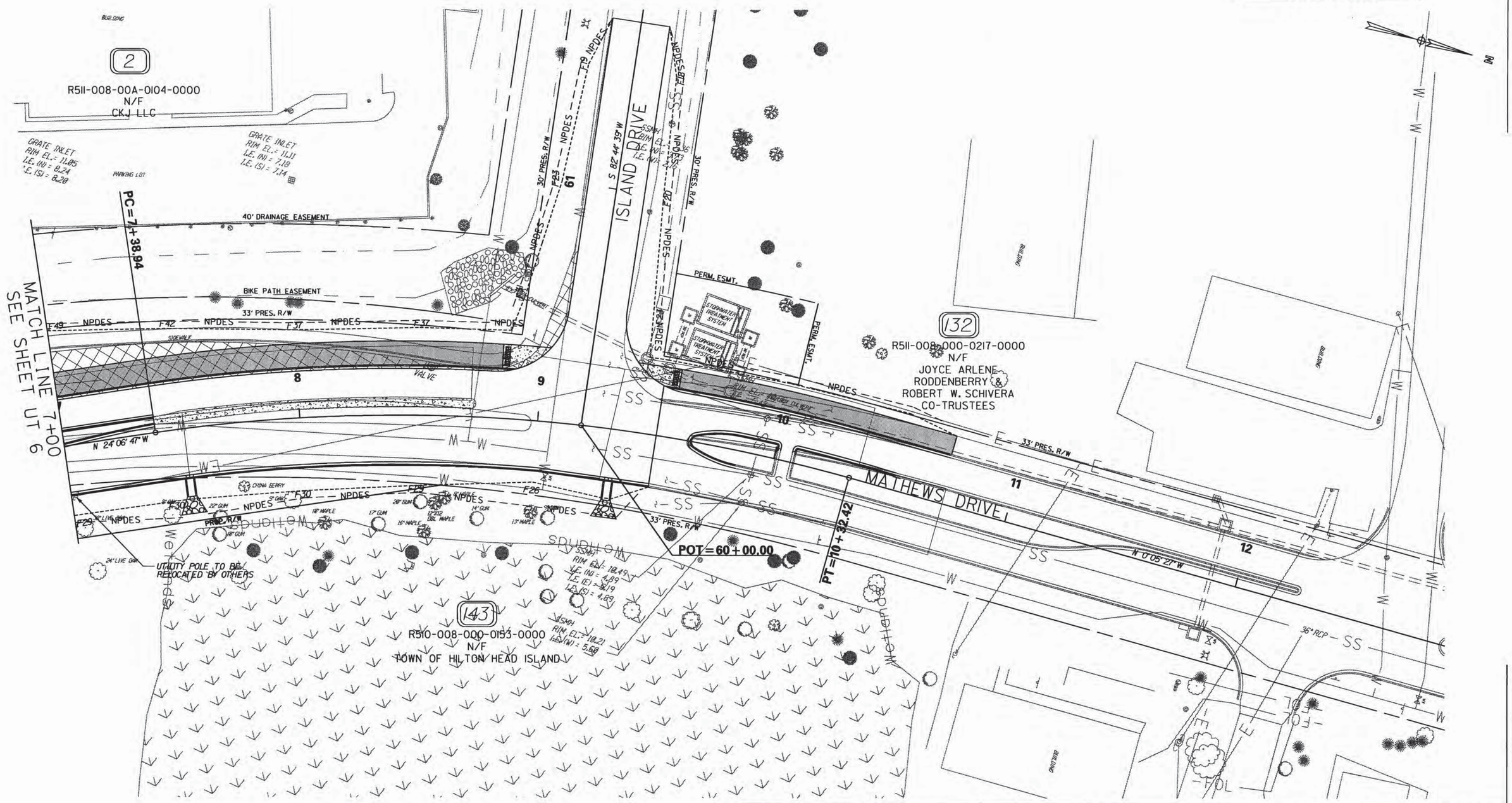
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			UT 7

RELEASED FOR CONSTRUCTION



0 20 40 60 80

SCALE IN FEET

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SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 01-23-13 CHAD DANIEL BOBROWSKI

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DWG. _____ DATE _____
R/W _____ DATE _____

GROUP ____ - ____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

UTILITY PLANS

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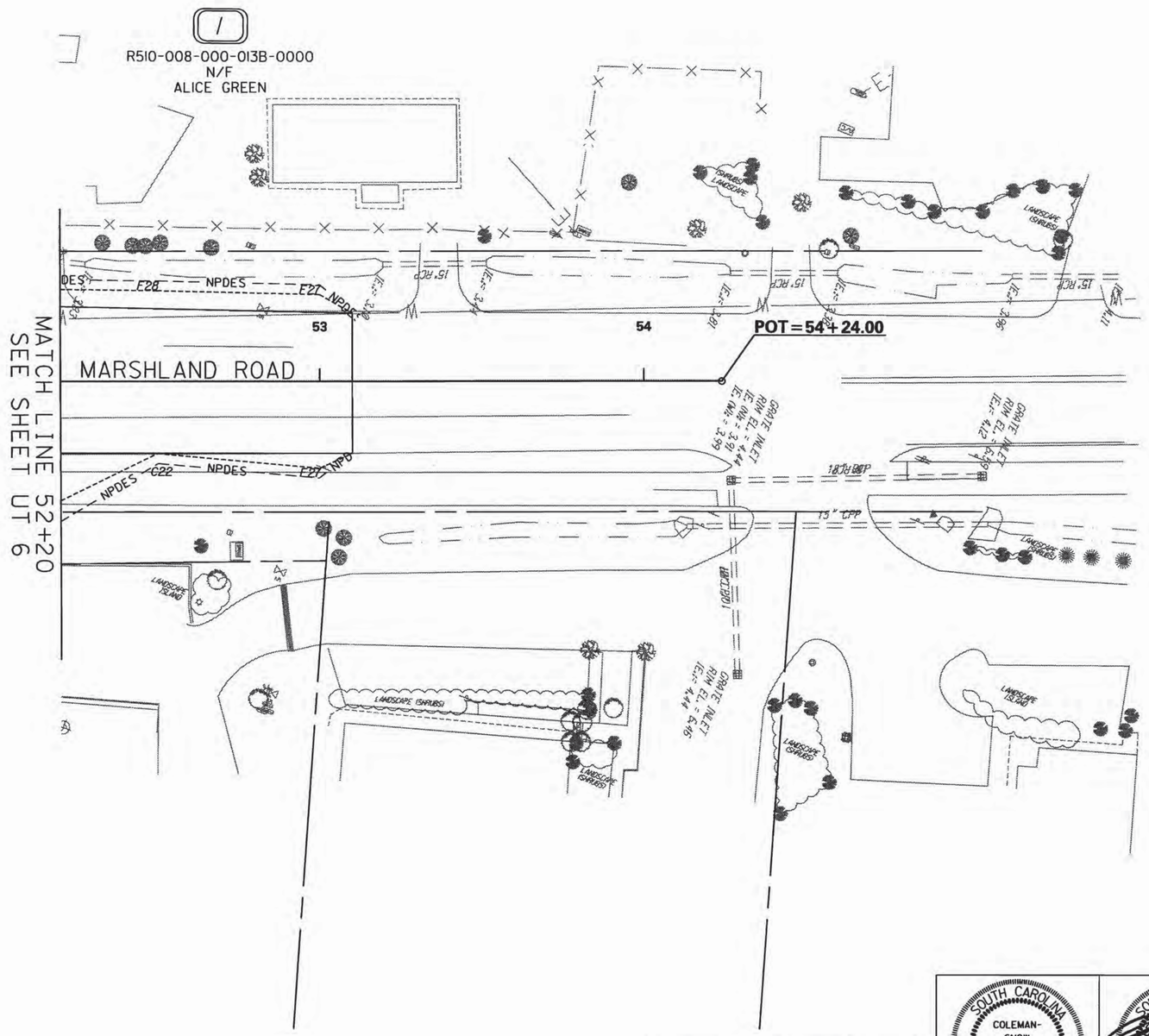
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			UT 8

RELEASED FOR CONSTRUCTION



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ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

UTILITY PLANS

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1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			EC 5

RELEASED FOR CONSTRUCTION

SWPP STANDARD NOTES

1. IF NECESSARY, SLOPES, WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.

2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
- WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
- WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.

3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS. IF SITE INSPECTIONS IDENTIFY BMPS THAT ARE DAMAGED OR ARE NOT OPERATING EFFECTIVELY, MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY POSSIBLE AND BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE.

4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL, COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.

5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.

6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.

7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C REG. 72-300 ET SEQ. AND SCR100000.

8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.

9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.

10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.

GENERAL CONSTRUCTION SEQUENCE:
1. LAND CLEARING
2. INSTALL EROSION/SILTATION CONTROL DEVICES
3. STRIPING AND STOCKPILING TOPSOIL
4. EARTHWORK -- TO INCLUDE BORROW AND UNCLASSIFIED EXCAVATION
5. STORM DRAINAGE
6. CONCRETE CONSTRUCTION ACTIVITES
7. ASPHALT PAVING
8. SEEDING AND FINAL STABILIZATION

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 04-23-13 CHAD DANIEL BOBROWSKI

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TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

EROSION AND SEDIMENTATION CONTROL PLANS

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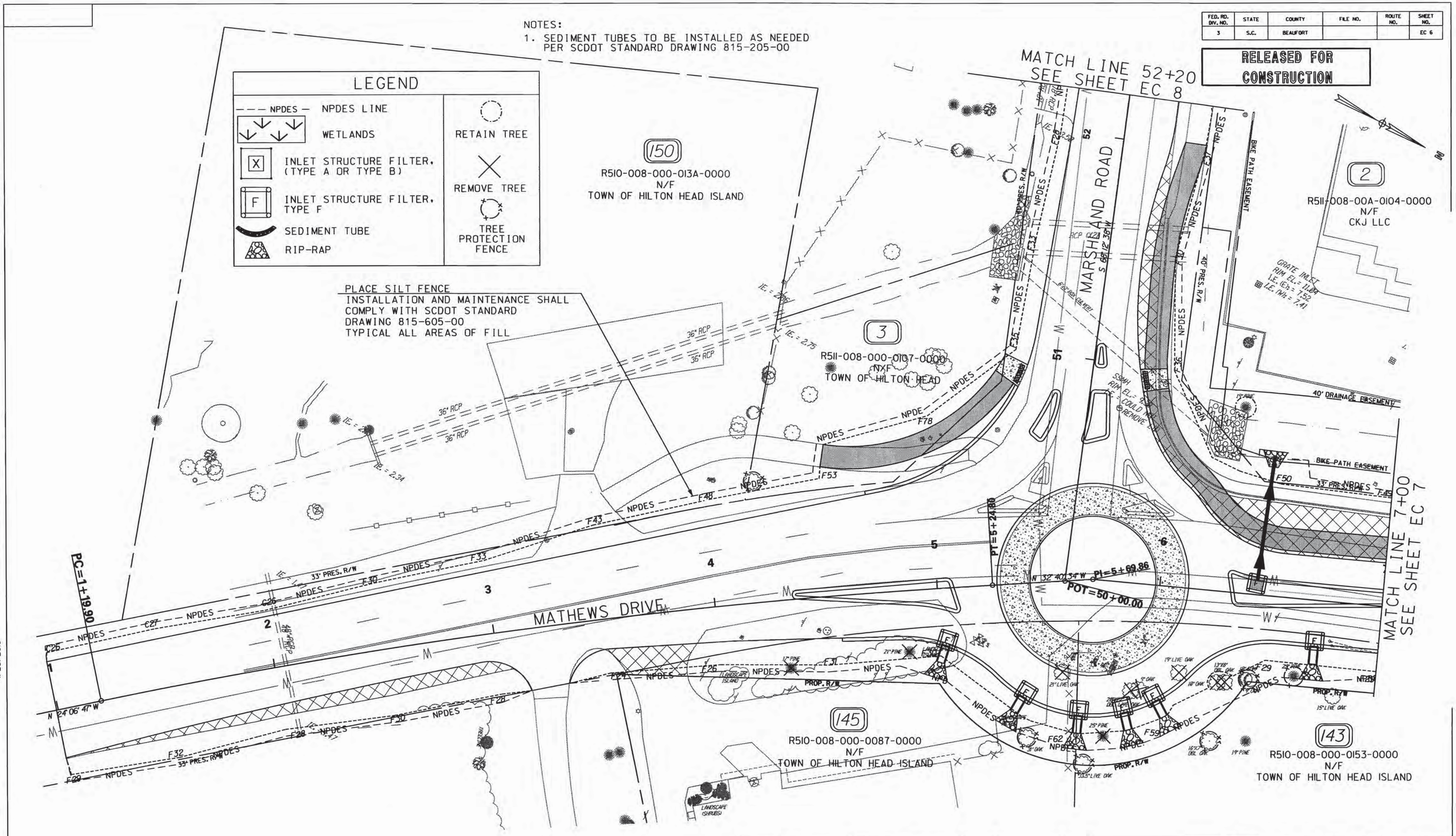
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			EC 6

RELEASED FOR CONSTRUCTION

NOTES:
1. SEDIMENT TUBES TO BE INSTALLED AS NEEDED PER SCDOT STANDARD DRAWING 815-205-00



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SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 01-23-13 CHAD DANIEL BOBROWSKI

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TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

EROSION AND SEDIMENTATION CONTROL PLANS

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1/23/2013

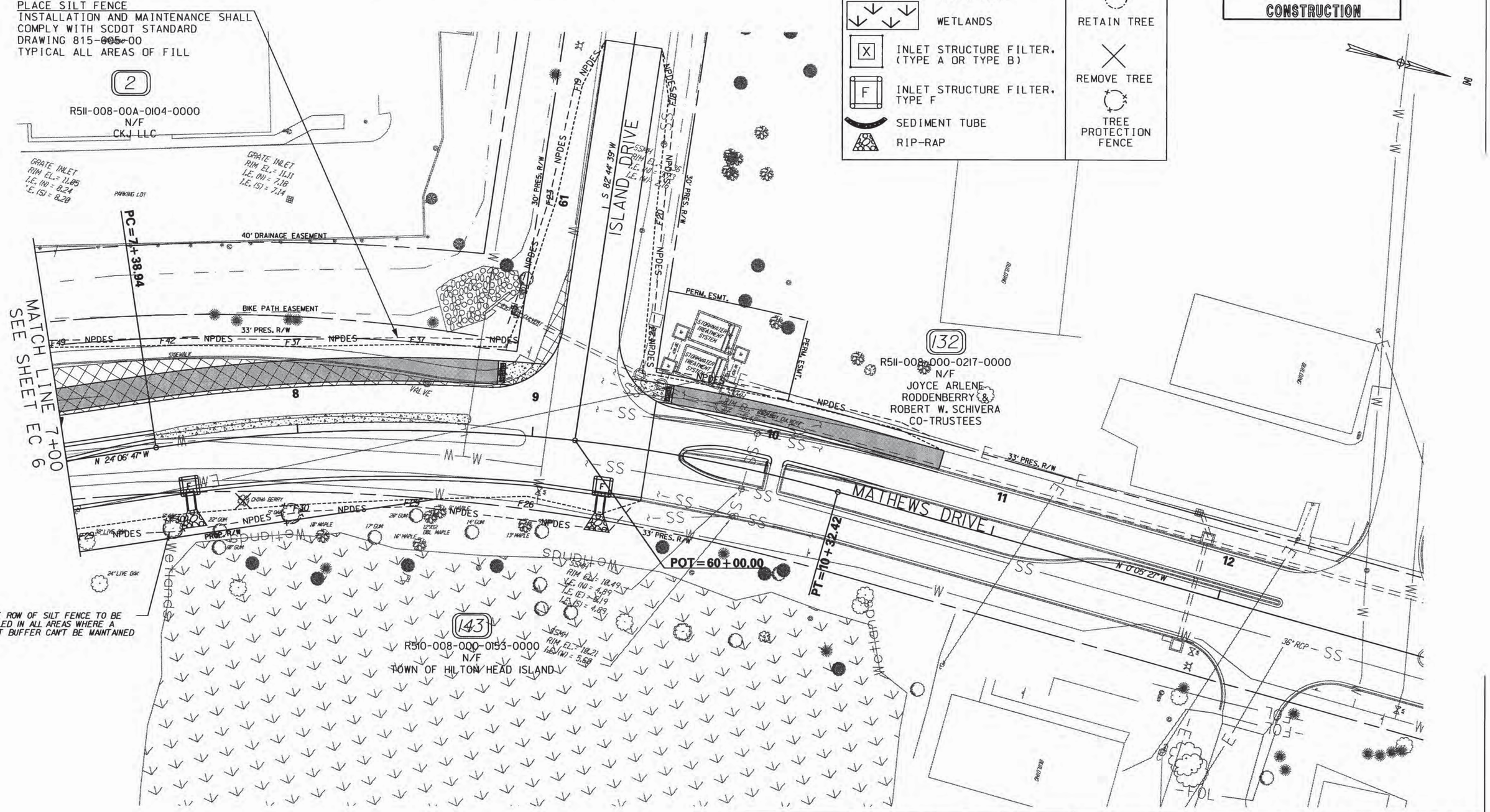
NOTES:
1. SEDIMENT TUBES TO BE INSTALLED AS NEEDED PER SCDOT STANDARD DRAWING 815-205-00

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			EC 7

RELEASED FOR CONSTRUCTION

LEGEND

NPDES LINE	RETAIN TREE
WETLANDS	REMOVE TREE
INLET STRUCTURE FILTER, (TYPE A OR TYPE B)	TREE PROTECTION FENCE
INLET STRUCTURE FILTER, TYPE F	
SEDIMENT TUBE	
RIP-RAP	



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GROUP ___ - ___

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

EROSION AND SEDIMENTATION CONTROL PLANS

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1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			EC 8

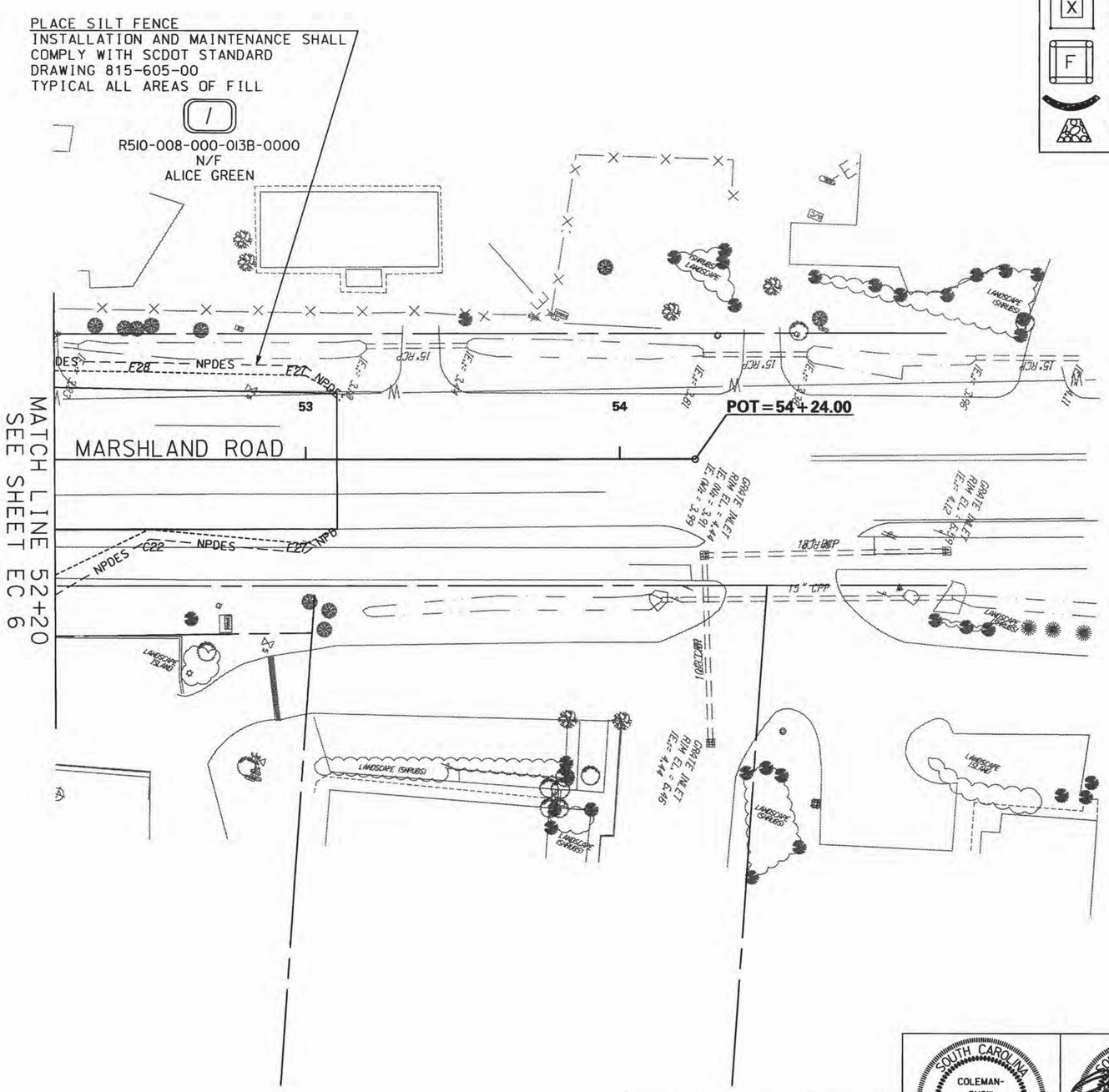
RELEASED FOR CONSTRUCTION

NOTES:

1. SEDIMENT TUBES TO BE INSTALLED AS NEEDED PER SCDOT STANDARD DRAWING 815-205-00

LEGEND

— — — NPDES —	NPDES LINE
	WETLANDS
X	INLET STRUCTURE FILTER, (TYPE A OR TYPE B)
F	INLET STRUCTURE FILTER, TYPE F
	SEDIMENT TUBE
	RIP-RAP
	RETAIN TREE
	REMOVE TREE
	TREE PROTECTION FENCE



0 20 40 60 80

SCALE IN FEET

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. ____ DATE ____
DWG. ____ DATE ____ GROUP ___ - ___
R/W ____ DATE ____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

EROSION AND SEDIMENTATION CONTROL PLANS

G:\PROJECTS\H_28_MARSHLAND_ROUNDABOUT_D-DESIGN\Roadway\Dgn\Plan_Sheets\Erosion Control_Sheets\sht_EC8.dgn
1/23/2013

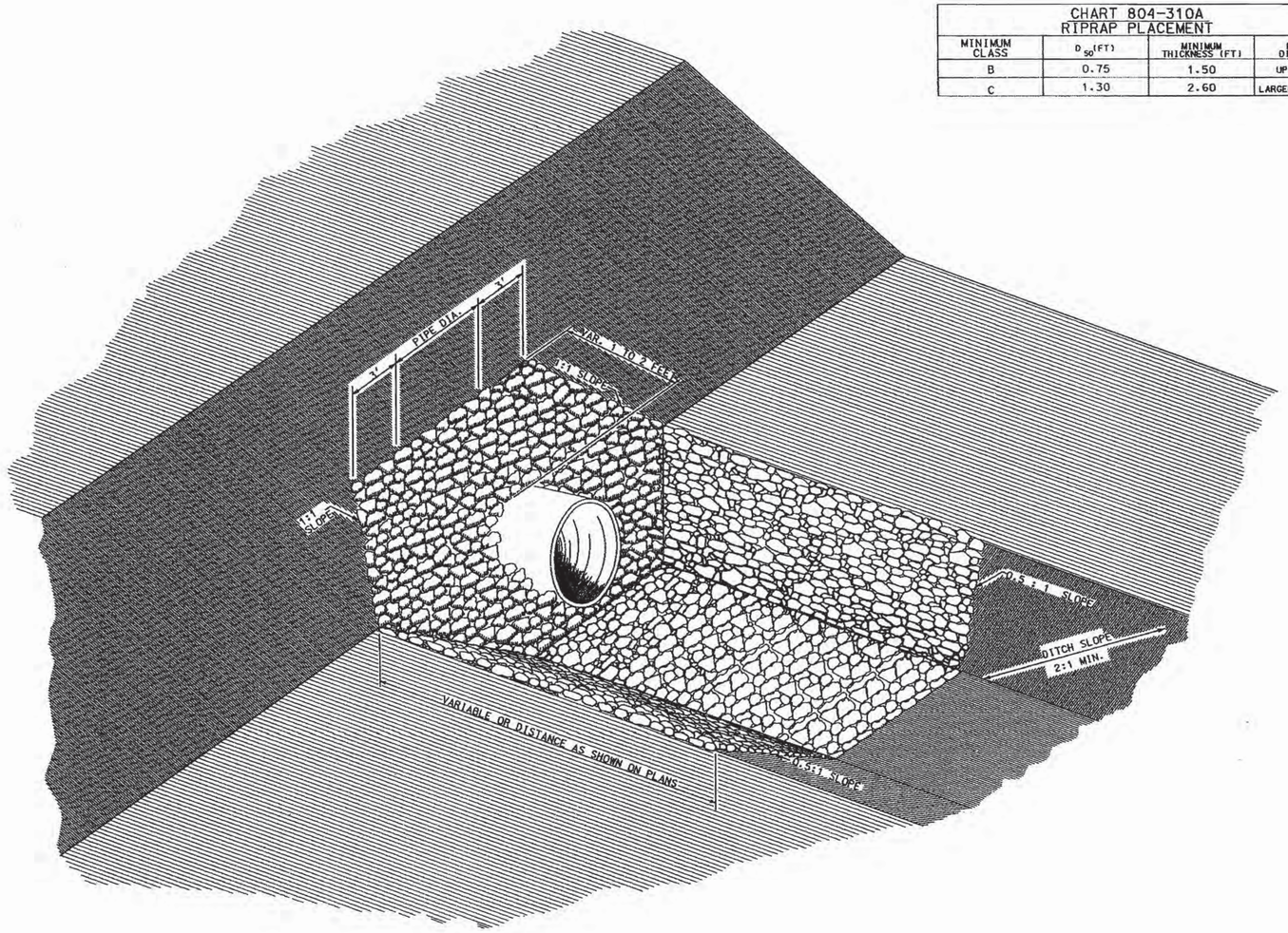
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			EC 9

RELEASED FOR CONSTRUCTION

NOTES:
1. GEOTEXTILE FABRIC TO BE USED UNDER RIPRAP WHEN INCLUDED IN THE PLANS.
2. SEE STANDARD DRAWINGS SECTION 719-600-00 FOR ADDITIONAL PIPE END TREATMENT OPTIONS.
3. THE PAY ITEMS SHALL BE:
   RIPRAP CLASS ___ - ___ _____ TON
   GEOTEXTILE FOR EROSION CONTROL UNDER RIPRAP (CLASS I) TYPE _____ S.Y.

CHART 804-310A
RIPRAP PLACEMENT

MINIMUM CLASS	D_{50} (FT)	MINIMUM THICKNESS (FT)	PIPE DIAMETER
B	0.75	1.50	UP TO 84"
C	1.30	2.60	LARGER THAN 84"



THIS DRAWING IS NOT TO SCALE

REFERENCES

NATIONAL DOCUMENTS

SCDOT DOCUMENTS

RELATED DRAWINGS & KEYWORDS
719-600-00

PRECONSTRUCTION SUPPORT ENGINEER

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 8858 EDWIN SYLVESTER EARGLE, II

SIGNATURE

MARCH 3, 2009
DATE

#	DATE	CHK	DESCRIPTION
6			
5			
4			
3			
2			
1	3/2009	DSO	CHANGED CHART 804-310A
0	3/2008	DSO	GENERAL REVISIONS

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

RIPRAP
(PIPE & DITCH LINING)

804-310-00

EFFECTIVE LETTING DATE MAY 2009

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DAMEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ___ - ___
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

EROSION AND SEDIMENTATION CONTROL PLANS

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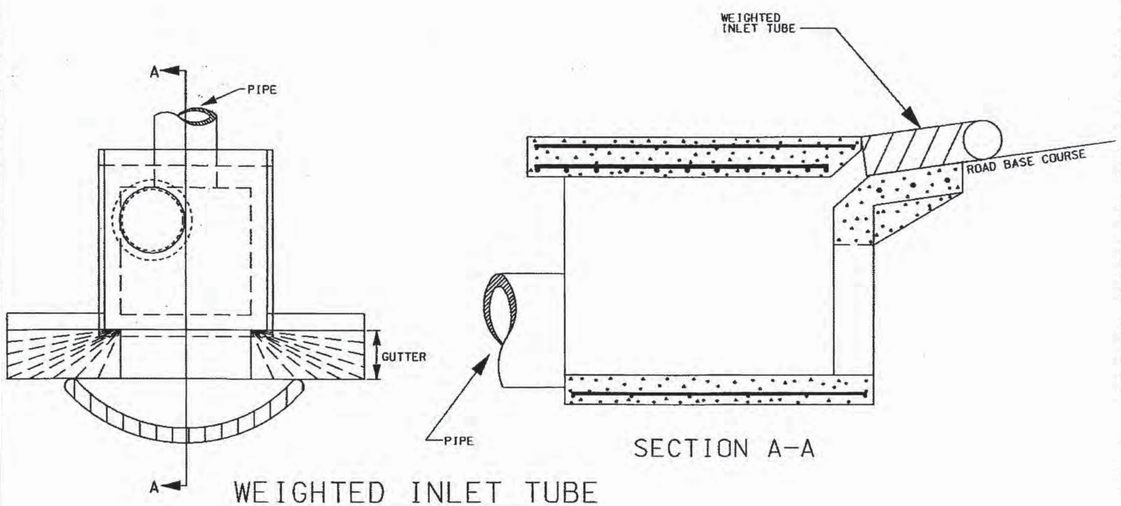
1/23/2013

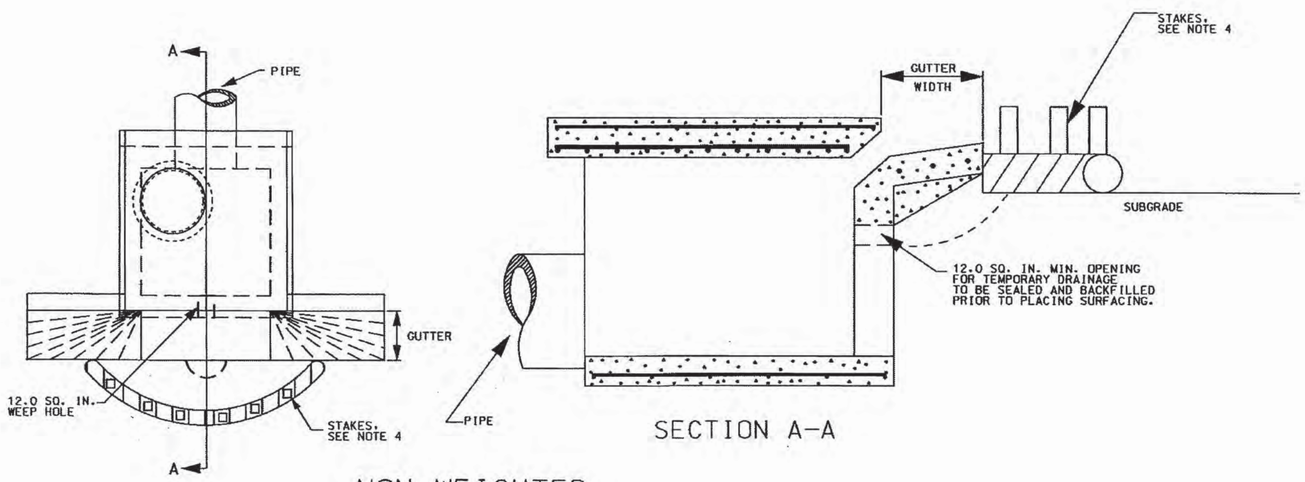
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			EC 10

RELEASED FOR CONSTRUCTION



WEIGHTED INLET TUBE

TOP VIEW



NON-WEIGHTED INLET TUBE

TOP VIEW

THIS DRAWING IS NOT TO SCALE

NOTES:

1. DRAWING SHOWS TYPE 16 CATCH BASIN.
2. NON-WEIGHTED TUBES SHALL BE INSTALLED IMMEDIATELY AFTER GRADING AND CONSTRUCTION OF CATCH BASIN BOX. SEDIMENT TUBE SHALL BE MAINTAINED DURING SUBGRADE AND BASE PREPARATION UNTIL BASE COURSE IS PLACED. THEY ARE APPLICABLE FOR CATCH BASIN TYPES 1, 16, 17, AND 18 WITH DRAINAGE AREAS LESS THAN 1 ACRE.
3. INLET TUBES MAY BE TEMPORARILY MOVED DURING CONSTRUCTION AS NEEDED.
4. NON WEIGHTED SEDIMENT TUBES SHALL BE STAKED DOWN WITH 1 INCH X 1 INCH WOODEN STAKES OR 1.25 LBS/ LINEAR FOOT STEEL POSTS A MINIMUM OF 3 FEET IN LENGTH PLACED ON 2 FOOT CENTERS. THE STAKES SHALL BE DRIVEN INTO THE GROUND A MINIMUM OF 1.0 FOOT LEAVING LESS THAN 1 FOOT OF STAKE EXPOSED ABOVE THE NON-WEIGHTED TUBE. INSTALL NON-WEIGHTED INLET TUBES SO THE TOP OF THE TUBE IS BELOW THE TOP OF THE INSTALLED CURB LINE TO INSURE THAT ALL OVERFLOW OR OVERTOPPING WATER HAS THE ABILITY TO ENTER THE INLET UNOBSTRUCTED.
5. THE STAKES SHALL BE INTERTWINED WITH THE OUTER MESH ONLY AND SHALL BE PLACED ON THE DOWNSTREAM SIDE OF THE TUBE. REFER TO MANUFACTURER'S RECOMMENDATIONS FOR OTHER STAKING DETAILS.
6. AFTER ROAD BASE COURSE IS PLACED, WEIGHTED INLET TUBES SHALL BE PLACED FOR CATCH BASIN TYPES 1, 9, 12, 14, 15, 16, 17, & 18, DI 24 INCHES X 24 INCHES, DI 24 INCHES X 36 INCHES, MANHOLES, AND TRENCH DRAINS. WEIGHTED INLET TUBES ARE APPLICABLE WHERE CONSTRUCTION TRAFFIC MAY OCCUR AROUND THE INLET.
7. INSTALL WEIGHTED INLET TUBES LYING FLAT ON THE GROUND WITH NO GAPS BETWEEN THE UNDERLYING SURFACE AND THE TUBE.
8. DO NOT COMPLETELY BLOCK INLETS WITH INLET TUBES. INSTALL WEIGHTED INLET TUBES IN SUCH A MANNER THAT ALL OVERFLOW CAN ENTER THE INLET UNOBSTRUCTED. TO AVOID POSSIBLE FLOODING, 2 OR 3 CONCRETE CINDER BLOCKS MAY BE PLACED BETWEEN THE WEIGHTED INLET TUBE AND THE INLET.
9. FOR WEEP HOLE APPLCATIONS, BOTH WEIGHTED AND NON-WEIGHTED INLET TUBES ARE APPLICABLE.
10. ALL WEIGHTED TYPE F INLET STRUCTURE FILTERS ARE APPLICABLE AS TYPE E INLET STRUCTURE FILTERS.
11. REPLACE INLET TUBES DURING INSTALLATION AS DIRECTED BY THE ENGINEER, INSPECTOR, OR MANUFACTURER'S REPRESENTATIVE AT THE CONTRACTOR'S EXPENSE.
12. ALL TYPE F INLET FILTERS SHALL BE INSPECTED EVERY 7 CALENDAR DAYS.
13. THE PAY ITEMS SHALL BE:
    INLET STRUCTURE FILTER TYPE F (WEIGHTED)_____LF
    INLET STRUCTURE FILTER TYPE F (NON-WEIGHTED)_____LF

REFERENCES

NATIONAL DOCUMENTS

SCDOT DOCUMENTS

RELATED DRAWINGS & KEYWORDS

PRECONSTRUCTION SUPPORT ENGINEER

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 8858 EDWIN SYLVESTER EARGLE, II

SIGNATURE

MARCH 3, 2008

DATE

#	DATE	CHK	DESCRIPTION
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2			
1			
0	3/2008	DSO	GENERAL REVISIONS

SCDOT

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

TYPE F
INLET STRUCTURE
FILTERS

815-006-00

EFFECTIVE LETTING DATE | MAY 2008

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER No. 27285 CHRISTOPHER DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____
R/W _____ DATE _____

GROUP ___ - ___

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

EROSION AND SEDIMENTATION CONTROL PLANS

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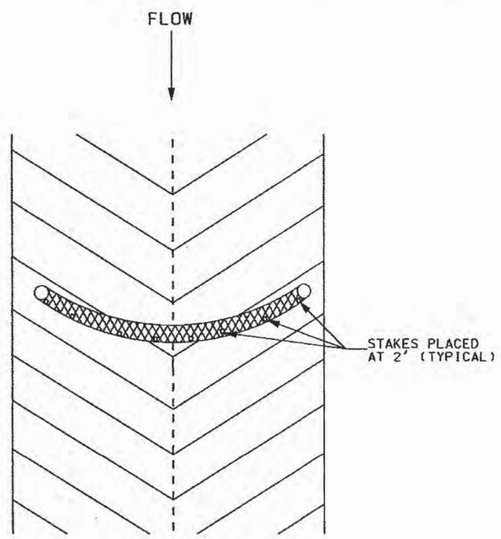
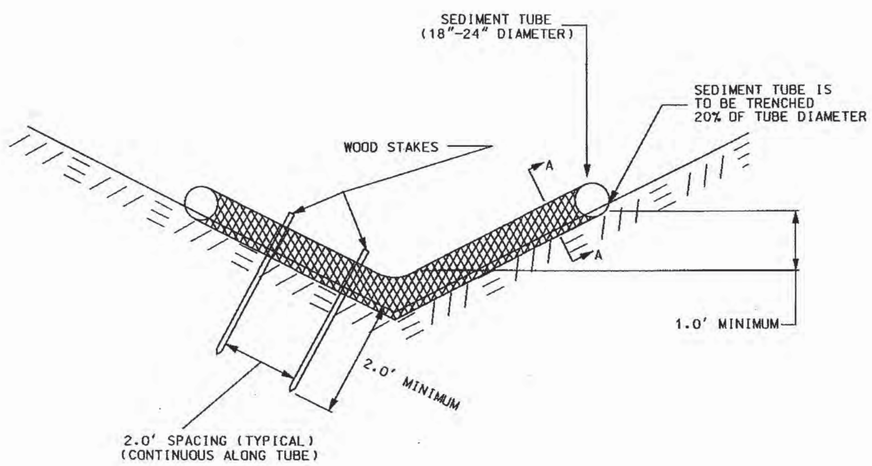
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			EC 8

RELEASED FOR CONSTRUCTION



TOP VIEW OF DITCH



END VIEW OF DITCH

NOTES:

1. SEDIMENT TUBE SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 815 OF THE SCDOT STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION (LATEST EDITION). AND MUST BE LISTED ON SCDOT QUALIFIED PRODUCT LIST NUMBER 57. SEDIMENT TUBES MUST MEET THE CRITERIA OUTLINED IN THE SUPPLEMENTAL SPECIFICATIONS BEFORE BEING LISTED ON QPL. AND BE FREE FROM DEFECTS OR TRANSPORTATION DAMAGE.

2. PROPER SITE PREPARATION IS ESSENTIAL TO ENSURE SEDIMENT TUBES ARE IN COMPLETE CONTACT WITH UNDERLYING SOIL. SEDIMENT TUBES ARE TO BE 18-24 INCHES IN DIAMETER AND ARE TO BE TRENCHED TO A DEPTH OF 20% OF TUBE DIAMETER.

3. SEDIMENT TUBE SHALL BE INSTALLED IMMEDIATELY AFTER GRADING AND CONSTRUCTION. SEDIMENT TUBE SHALL BE MAINTAINED DURING SUBGRADE AND BASE PREPERATION UNTIL BASE COURSE IS COMPLETE. SEDIMENT TUBES MAY BE TEMPORARILY MOVED DURING CONSTRUCTION.

4. SEDIMENT TUBES ARE TO BE INSTALLED PERPENDICULAR TO WATER FLOW AND EXTEND UP SIDE SLOPES A MINIMUM OF 1 FOOT ABOVE DESIGN FLOW DEPTH. SPACE TUBES ACCORDING TO THE FOLLOWING TABLE:

SLOPE	MAXIMUM SEDIMENT TUBE SPACING
LESS THAN 2%	150 FEET
2%	100 FEET
3%	75 FEET
4%	50 FEET
5%	40 FEET
6%	30 FEET
GREATER THAN 6%	25 FEET

5. THE SEDIMENT TUBE SHALL BE STAKED DOWN WITH 1 INCH BY 1 INCH WOOD STAKES OR 1.25 LBS/ LINEAR FT. STEEL POSTS EVERY 2 FEET ALONG ITS LENGTH. THE STAKES SHALL BE A MINIMUM OF 4 FEET IN LENGTH AND EMBEDDED A MINIMUM OF 2 FEET INTO THE GROUND LEAVING LESS THAN 1 FOOT OF THE STAKE ABOVE THE EXPOSED SEDIMENT TUBE. THE STAKES SHALL BE INTERTWINED WITH THE OUTER MESH ONLY AND SHALL BE PLACED ON THE DOWNSTREAM SIDE OF THE TUBE. REFER TO THE MANUFACTURER'S RECOMMENDATIONS FOR OTHER STAKING DETAILS.

6. SELECT PROPER LENGTH OF TUBE TO MINIMIZE THE NUMBER NEEDED TO SPAN THE WIDTH OF DRAINAGE AREA. ONE CONTINUOUS LENGTH IS PREFERRED COMPARED TO TWO OVERLAPPING TUBES. IF NECESSARY. SEDIMENT TUBES CAN BE LAPPED A MINIMUM OF 6 INCHES TO PREVENT PASSAGE OF FLOW AND SEDIMENT THROUGH FIELD JOINT.

7. INSTALL SEDIMENT TUBES FOR DITCH CHECKS OVER BARE SOIL, MULCHED AREAS, OR EROSION CONTROL BLANKETS. KEEP SEDIMENT TUBES FOR DITCH CHECKS IN PLACE UNTIL FULLY ESTABLISHED VEGETATION AND ROOT SYSTEMS HAVE COMPLETELY DEVELOPED AND CAN SURVIVE ON THEIR OWN.

8. INSPECT SEDIMENT TUBES AFTER INSTALLATION FOR GAPS UNDER THE SEDIMENT TUBES AND FOR GAPS BETWEEN THE JOINTS OF ADJACENT ENDS OF SEDIMENT TUBES. INSPECT SEDIMENT TUBES EVERY 7 DAYS. REPAIR ALL RILLS, GULLIES, AND UNDERCUTTING NEAR SEDIMENT TUBES. REMOVE ALL SEDIMENT DEPOSITS THAT IMPAIR THE FILTRATION CAPABILITY OF SEDIMENT TUBES WHEN THE SEDIMENT REACHES 1/3 THE HEIGHT OF THE EXPOSED SEDIMENT TUBE.

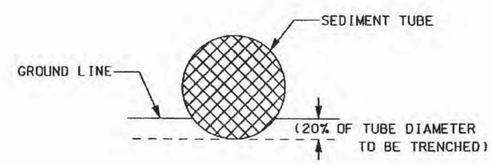
9. REMOVE AND/OR REPLACE INSTALLED SEDIMENT TUBES AS REQUIRED TO ADAPT TO CHANGING CONSTRUCTION SITE CONDITIONS. REMOVE SEDIMENT TUBES WHEN THE FUNCTIONAL LONGEVITY IS EXCEEDED AS DETERMINED BY THE ENGINEER, INSPECTOR, OR MANFACTURER'S REPRESENTATIVE. GATHER SEDIMENT TUBES AND DISPOSE OF THEM IN REGULAR MEANS AS NON-HAZARDOUS, INERT MATERIAL.

10. PRIOR TO FINAL STABILIZATION, BACKFILL ALL TRENCHES, DEPRESSIONS, AND OTHER GROUND DISTURBANCES CAUSED BY THE REMOVAL OF SEDIMENT TUBES.

11. CLEAN OUT OF TUBES WILL BE PAID FOR AS SILT BASIN IN C.Y.

12. PAYMENT SHALL INCLUDE ALL MATERIALS, LABOR, TOOLS, EQUIPMENT, MAINTENANCE, AND INCEDENTALS NECESSARY TO COMPLETE WORK.

13. PAY ITEM SHALL BE:
SEDIMENT TUBE ..... LF



SECTION A-A

THIS DRAWING IS NOT TO SCALE

REFERENCES

NATIONAL DOCUMENTS

SCDOT DOCUMENTS
QUALIFIED PRODUCT LIST 57

RELATED DRAWINGS & KEYWORDS

PRECONSTRUCTION SUPPORT ENGINEER

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 8858 EDWIN SYLVESTER EARGLE, II

SIGNATURE

MARCH 3, 2008
DATE

#	DATE	CHK	DESCRIPTION
6			
5			
4			
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2			
1			
0	3/2008	DSO	GENERAL REVISIONS

SCDOT
SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

SEDIMENT TUBE DITCH APPLICATION

815-205-00

EFFECTIVE LETTING DATE MAY 2008

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ____ - ____
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

EROSION AND SEDIMENTATION CONTROL PLANS

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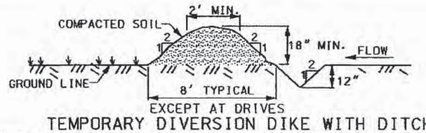
1/23/2013

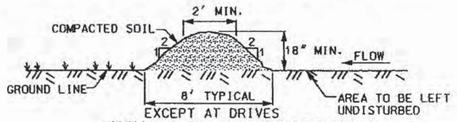
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			EC 12

RELEASED FOR CONSTRUCTION



TEMPORARY DIVERSION DIKE WITH DITCH

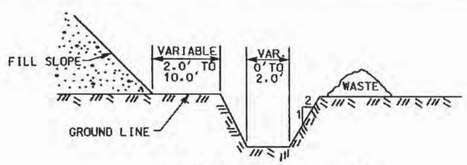
THE PAY ITEM SHALL BE TEMPORARY DIVERSION DIKE WITH DITCH_____L.F.



TEMPORARY DIVERSION DIKE

NOTES

1. THIS ITEM IS FOR DIVERTING CLEAN WATER AROUND A CONSTRUCTION AREA.
2. CLEAR AND GRUB ALL TREES, BRUSH, STUMPS AND OTHER OBJECTIONABLE MATERIAL.
3. ENSURE THAT THE MINIMUM CONSTRUCTED CROSS SECTION MEETS ALL DIMENSIONS SHOWN.
4. IMMEDIATELY AFTER CONSTRUCTION ESTABLISH VEGETATION, PLACING TEMPORARY EROSION CONTROL BLANKET ON THE DIKE. (AS APPLICABLE).
5. PAYMENT FOR TEMPORARY DIVERSION DIKE INCLUDES ALL MATERIALS IN PLACE, REMOVAL AND DISPOSAL OF MATERIALS AND RESHAPING DIKE TO DRAIN. SEEDING TO BE PAID FOR SEPARATELY.
6. THE PAY ITEM SHALL BE: TEMPORARY DIVERSION DIKE_____L.F.

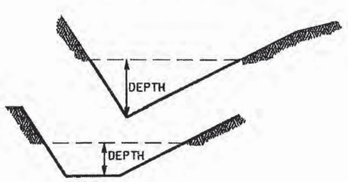


TEMPORARY SILT DITCH

NOTES

1. THIS ITEM IS TO MOVE SEDIMENT LADEN WATER FROM A CONSTRUCTION SITE TO A SEDIMENT CONTROL STRUCTURE.
2. SEED DITCH AND WASTE AREA WITH TEMPORARY SEEDING IMMEDIATELY AFTER CONSTRUCTION.
3. IMMEDIATELY AFTER CONSTRUCTION ESTABLISH VEGETATION, PLACING TEMPORARY EROSION CONTROL BLANKET ON THE DITCH (AS APPLICABLE).
4. THE PAY ITEM SHALL BE: SILT DITCHES_____C.Y.

ROLLED EROSION CONTROL PRODUCT



NOTES

1. THE DEPTH OF THE EROSION CONTROL PRODUCTS ARE TO BE DETERMINED BY DESIGN AND PLACED ON PLAN SHEETS.
2. INSTALL IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
3. COST OF INSTALLATION AND MATERIALS SHALL BE INCLUDED IN THE PAY ITEM FOR ROLLED EROSION CONTROL PRODUCT.
4. PAY ITEMS:
   TEMPORARY EROSION CONTROL BLANKET _____SY
   PERMANENT TURF REINFORCEMENT MAT_____SY

THIS DRAWING IS NOT TO SCALE

SILT FENCE

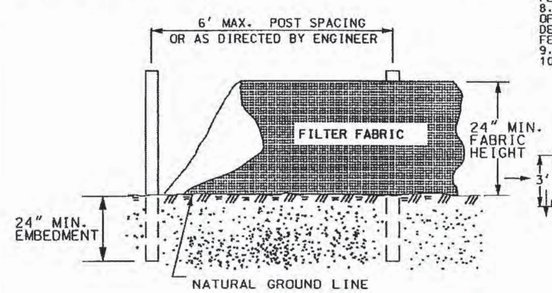
HEIGHT OF FILL (y) IN FEET	FILL SLOPE	MINIMUM SILT FENCE OFFSET FROM TOE OF SLOPE (x) IN FEET	MINIMUM RIGHT OF WAY OFFSET FROM TOE OF SLOPE (NPDES LINE) (z) IN FEET	CHECK LENGTH IN FEET**
<6	2:1 4:1 6:1	2	3	2
6-10	2:1	12*	13*	5
	4:1 6:1	3	4	3
>10	2:1	12*	13*	5
	4:1 6:1	4	5	4

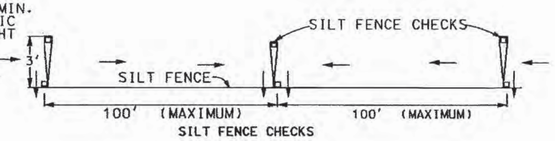
*THESE MINIMUM OFFSETS MAY BE REDUCED WHEN CURB AND GUTTER OR SOME OTHER FEATURE REDUCES THE FLOW OF WATER DOWN THE SLOPE. THE SMALL OFFSETS OF EACH GROUP OF HEIGHT OF FILL CANNOT BE REDUCED.

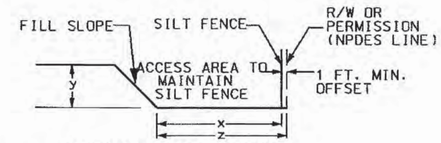
**SILT FENCE CHECKS WILL HAVE A MAXIMUM LENGTH OF FIVE (5) FEET OR UNTIL THEY TIE BACK INTO THE SLOPE.

NOTES

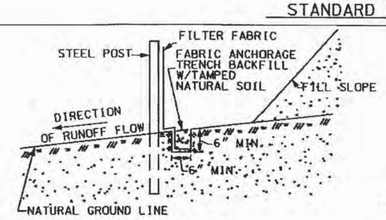
1. SILT FENCE CHECKS MUST BE LOCATED EVERY 100 FT. MAXIMUM AND AT LOW POINTS. FILTER FABRICS SHALL CONFORM TO SCDOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).
2. ONLY STEEL POSTS MAY BE USED. POSTS SHALL BE A MINIMUM OF 5 FEET LONG AND INSTALLED TO A MINIMUM DEPTH OF 24 INCHES WITH NO MORE THAN 3 FEET OF THE POST ABOVE GROUND. AT LEAST 1 TO 2 INCHES OF THE POSTS SHALL EXTEND ABOVE THE TOP OF THE FABRIC. POST SPACING WILL BE A MAXIMUM OF 6 FEET ON CENTER.
3. STEEL POSTS SHALL BE 5 FEET LONG AND WEIGH A MINIMUM OF 1.25 POUNDS PER FOOT AND HAVE PROJECTIONS FOR FASTENING THE FABRIC TO THE POST. STEEL POSTS SHALL ALSO HAVE A SOIL PLATE WELDED NEAR THE BOTTOM OF THE POST, EXCEPT WHEN HEAVY CLAY SOILS ARE PRESENT ON-SITE.
4. ATTACH FABRIC TO STEEL POSTS USING HEAVY-DUTY PLASTIC TIES THAT ARE EVENLY SPACED AND PLACED IN A MANNER TO PREVENT SAGGING OR TEARING OF THE FABRIC. IN ALL CASES, TIES SHOULD BE AFFIXED IN NO LESS THAN 4 PLACES.
5. SILT SHALL BE REMOVED AND DISPOSED OF WHEN SILT ACCUMULATES TO 1/3 THE HEIGHT OF THE FENCE. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON-SITE. MAINTENANCE OF SILT FENCE WILL BE MEASURED AND PAID FOR BY THE ITEM OF SILT BASIN.
6. SILT FENCE SHALL BE INSPECTED EVERY 7 DAYS.
7. TYPICAL SILT FENCE APPLICATIONS REQUIRE 24 INCHES OF THE FABRIC TO BE ABOVE GROUND. WHEN NEEDED, THE HEIGHT OF SILT FENCE FABRIC ABOVE THE GROUND MAY BE GREATER THAN 24". SEE PLANS FOR APPLICATION OF HIGHER SILT FENCE. PAY ITEMS AND INSTALLATION METHODS.
8. IN TIDAL AREAS, EXTRA SILT FENCE HEIGHT MAY BE REQUIRED. THE LENGTH OF POST WILL BE TWICE THE EXPOSED POST HEIGHT. POST SPACING AND BURIED DEPTHS WILL REMAIN AS SHOWN HEREON. EXTRA HEIGHT FABRIC WILL BE 4, 5 OR 6 FEET TOTAL WIDTH.
9. FOLLOW SPECIFICATIONS WHEN USING ALTERNATE SILT FENCE (BSRF) DETAILS.
10. THE PAY ITEMS SHALL BE: SILT FENCE_____L.F.
    SILT BASIN_____C.Y.



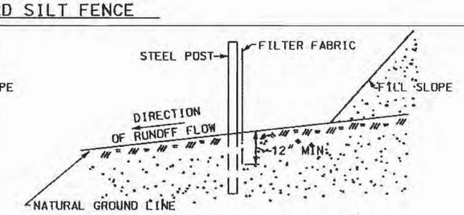




STANDARD SILT FENCE

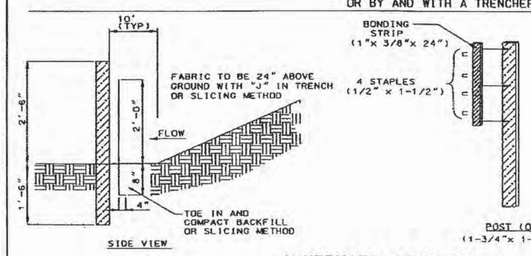


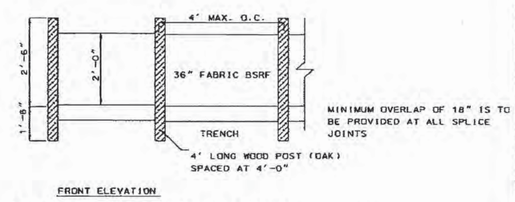
TRENCH METHOD



PNEUMATIC METHOD

12 INCHES OF THE FABRIC SHALL BE BURIED REGARDLESS, IF PLACED PNEUMATICALLY OR BY AND WITH A TRENCHER. BOTH METHODS SHOWN HERE.





ALTERNATE SILT FENCE - BELTED SILT RETENTION FENCE (BSRF)

REFERENCES

NATIONAL DOCUMENTS

SCDOT DOCUMENTS

RELATED DRAWINGS & KEYWORDS

PRECONSTRUCTION SUPPORT ENGINEER

SOUTH CAROLINA REGISTERED PROFESSIONAL ENGINEER NO. 8858 EDWIN SYLVESTER EARGLE, II

SIGNATURE

MARCH 3, 2008

DATE

#	DATE	CHK	DESCRIPTION
6			
5			
4			
3			
2			
1			
0	3/2008	DSO	GENERAL REVISIONS

SCDOT

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION
DESIGN STANDARDS OFFICE
955 PARK STREET
ROOM 405
COLUMBIA, SC 29201

STANDARD DRAWING

TEMPORARY EROSION & SEDIMENTATION CONTROL

815-605-00

EFFECTIVE LETTING DATE MAY 2008

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 01-23-13 CHAD DANIEL BOBROWSKI

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ____ - ____
R/W _____ DATE _____

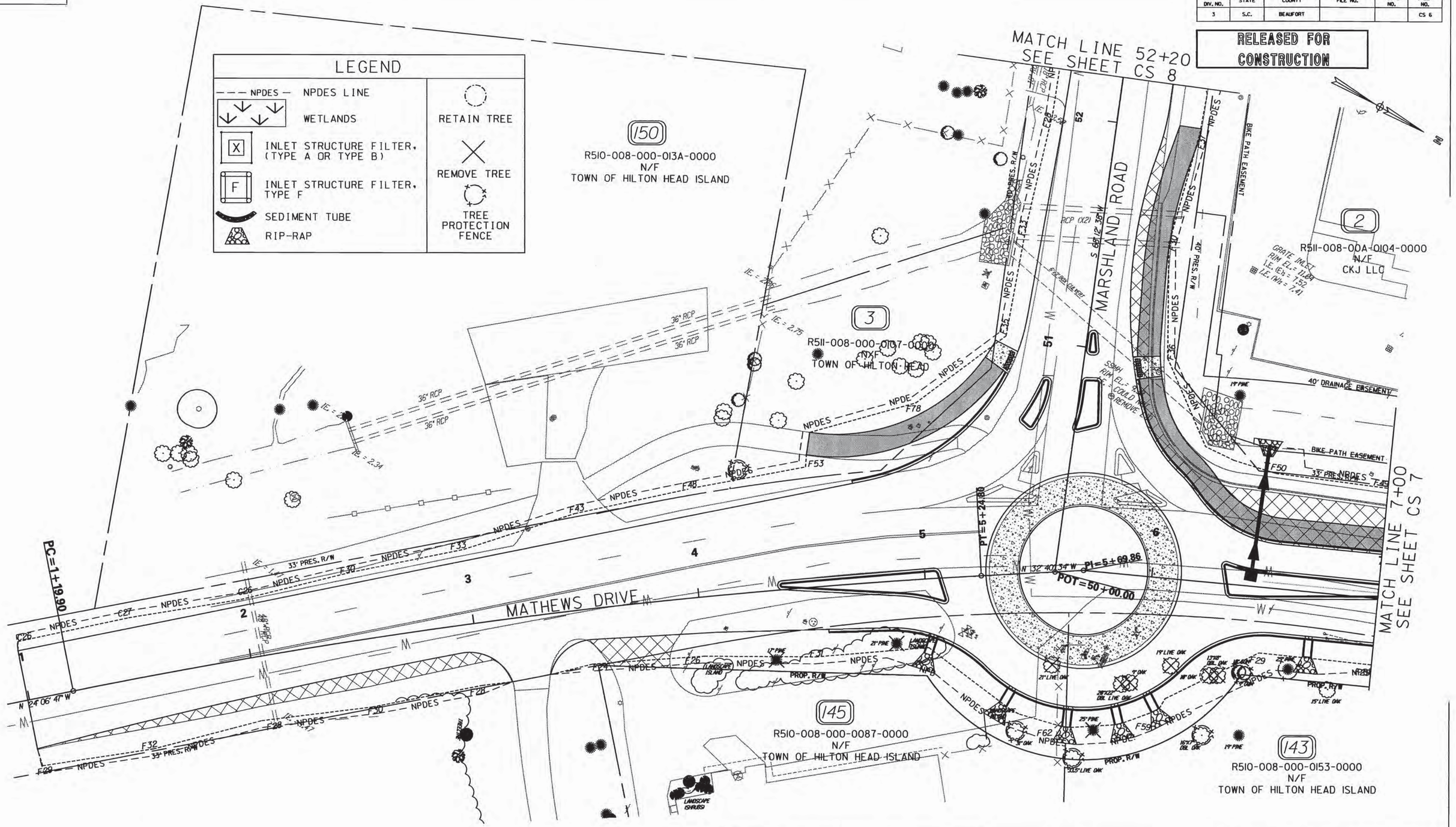
TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

EROSION AND SEDIMENTATION CONTROL PLANS

G:\PROJECTS\11.28_MARSHLAND_ROUNDABOUT_D-DESIGN\Roadway\Dgn\Plan_Sheets\Erosion Control_Sheets\sht_EC12.dgn
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			CS 6

RELEASED FOR CONSTRUCTION



SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ____ - ____
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

CLEARING PLANS

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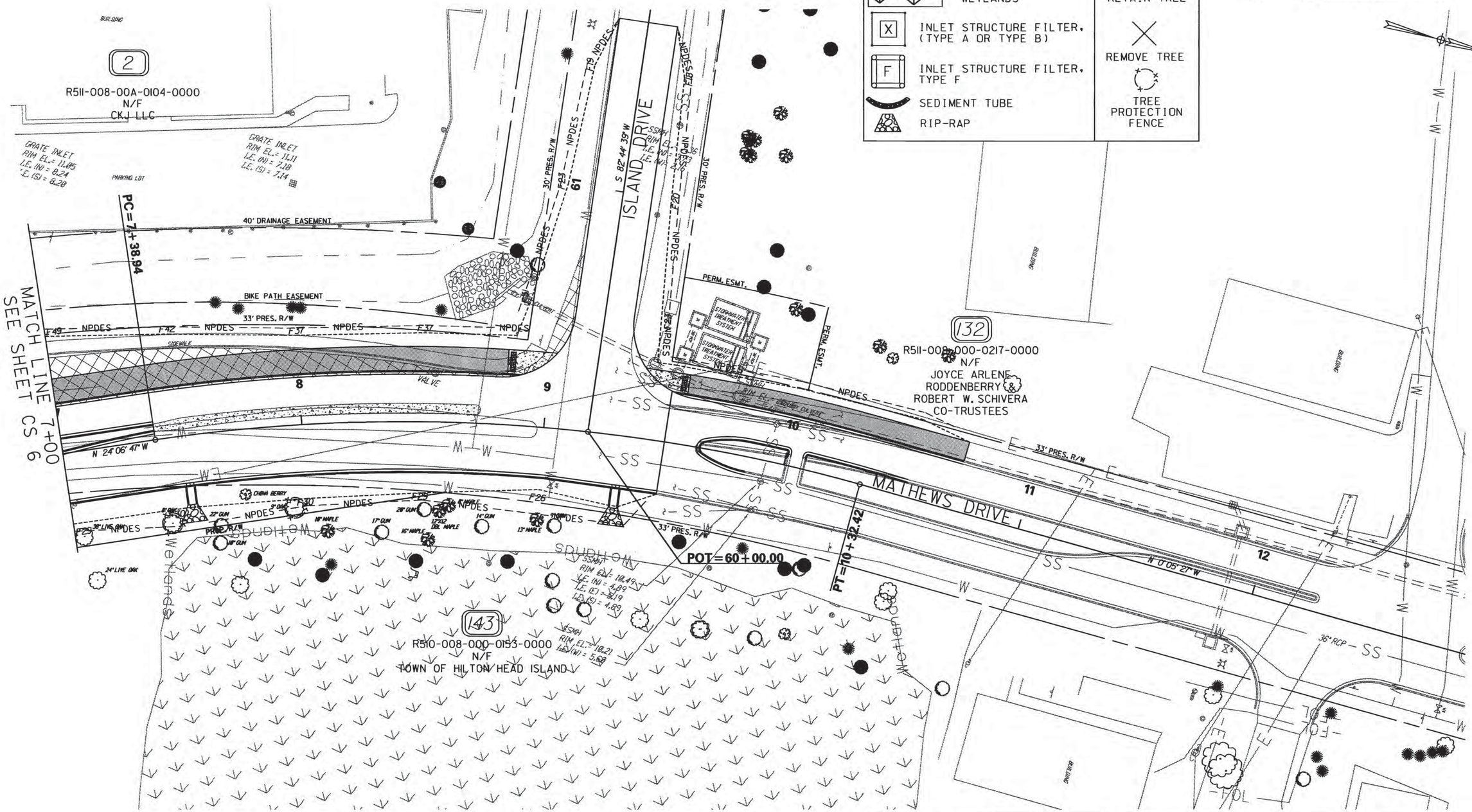
1/23/2013

FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			CS 7

RELEASED FOR CONSTRUCTION

LEGEND

— — — NPDES — NPDES LINE	RETAIN TREE
WETLANDS	REMOVE TREE
INLET STRUCTURE FILTER, (TYPE A OR TYPE B)	TREE PROTECTION FENCE
INLET STRUCTURE FILTER, TYPE F	
SEDIMENT TUBE	
RIP-RAP	



0 20 40 60 80
SCALE IN FEET

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 RICHARD DANIEL BORROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. _____ DATE _____
DWG. _____ DATE _____ GROUP ____ - ____
R/W _____ DATE _____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

CLEARING PLANS

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1/23/2013

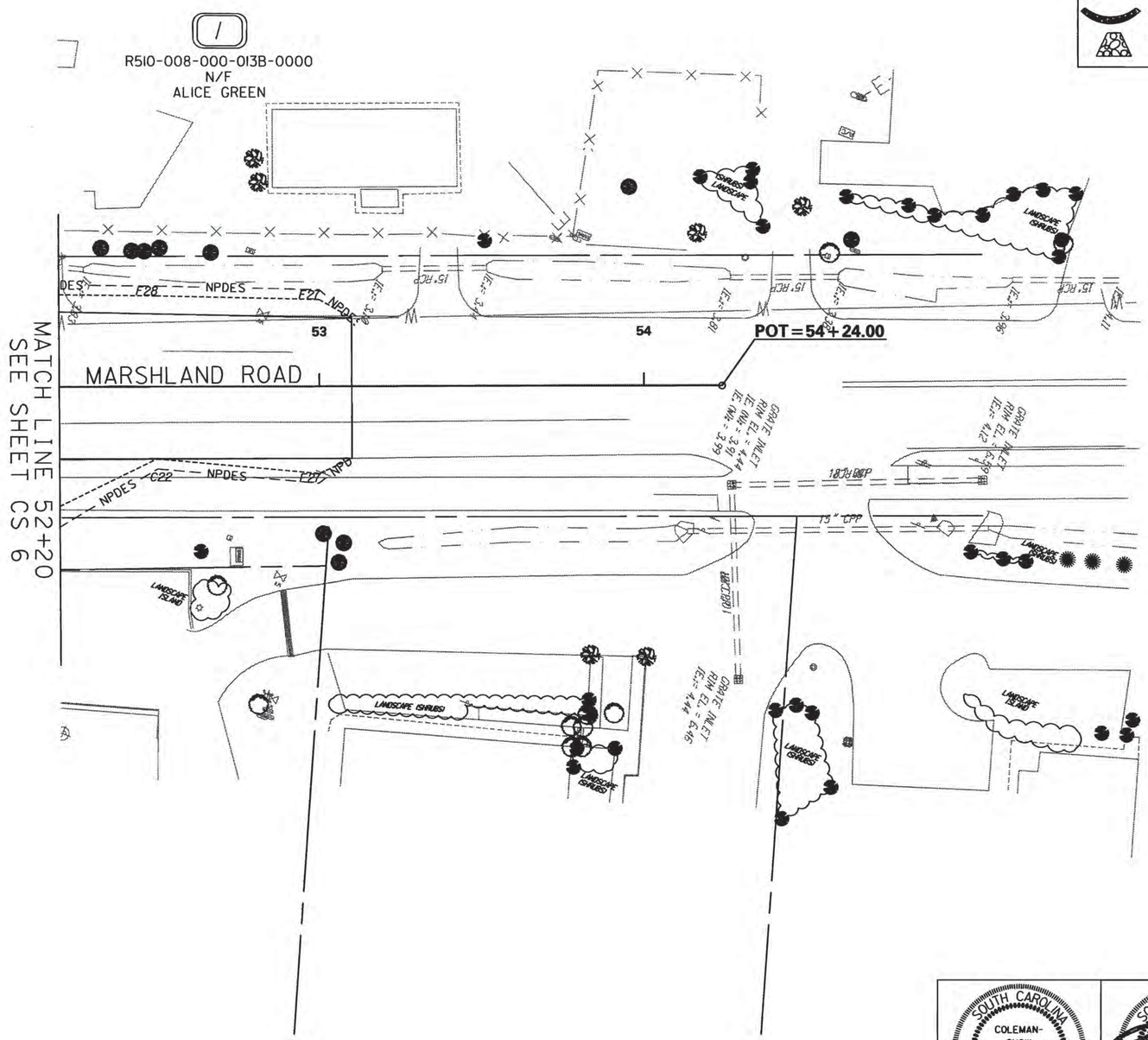
FED. RD. DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			CS 8

RELEASED FOR CONSTRUCTION

LEGEND

— — — NPDES —	NPDES LINE
	WETLANDS
X	INLET STRUCTURE FILTER, (TYPE A OR TYPE B)
F	INLET STRUCTURE FILTER, TYPE F
	SEDIMENT TUBE
	RIP-RAP
	RETAIN TREE
	REMOVE TREE
	TREE PROTECTION FENCE

N



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SCALE IN FEET

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 RICHARD DANIEL BOBROWSKI 01-23-13

REV. NO.	BY	DATE	DESCRIPTION OF REVISION

TOPO. ____ DATE ____
DWG. ____ DATE ____ GROUP ___ - ___
R/W ____ DATE ____

TOWN OF HILTON HEAD ISLAND, SC
ENGINEERING SERVICES
FOR CAPITAL IMPROVEMENTS PROJECTS

CLEARING PLANS

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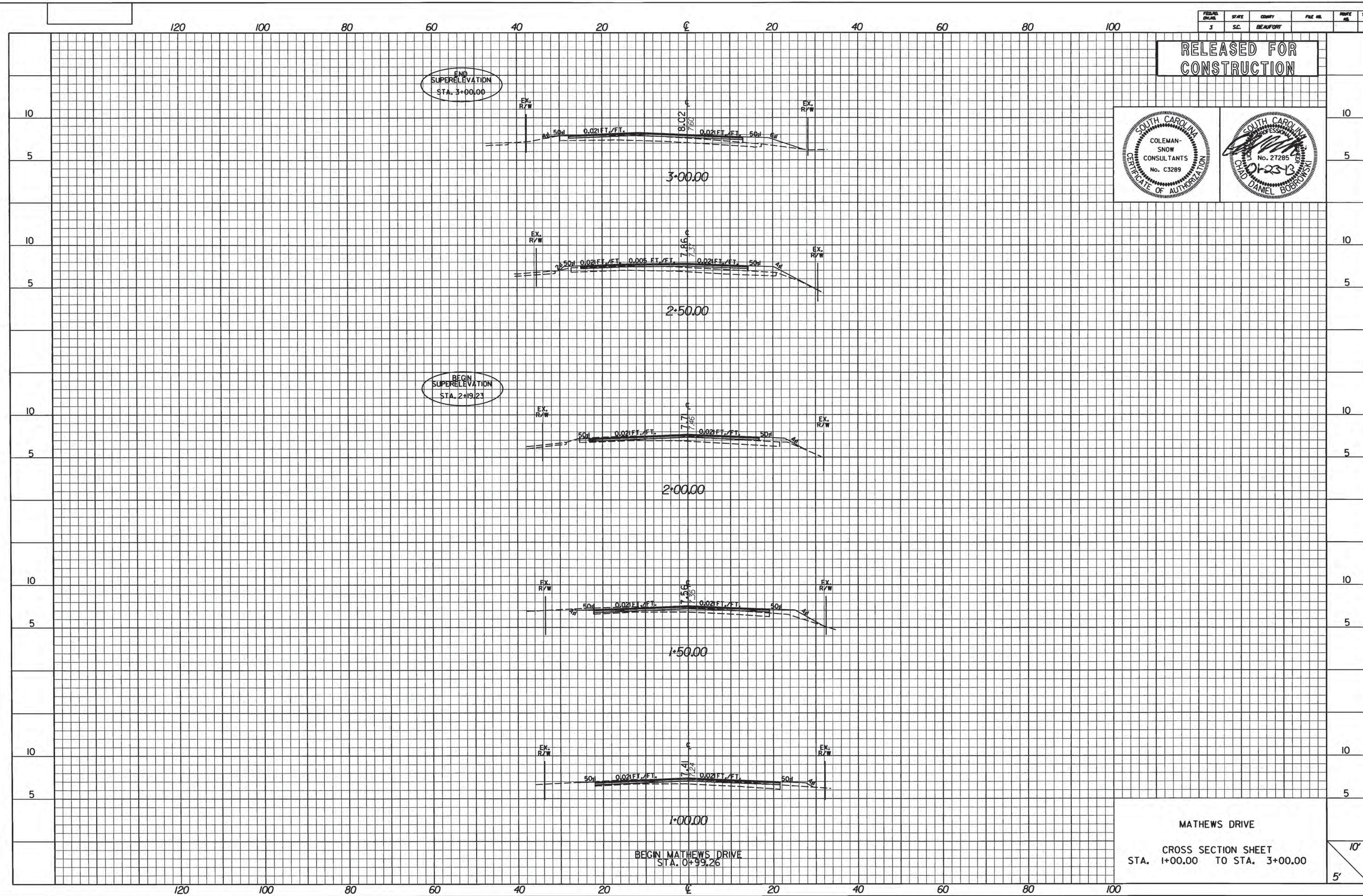
1/23/2013

FED.RD. DIV.NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			XS 1

RELEASED FOR CONSTRUCTION

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI 01-23-13



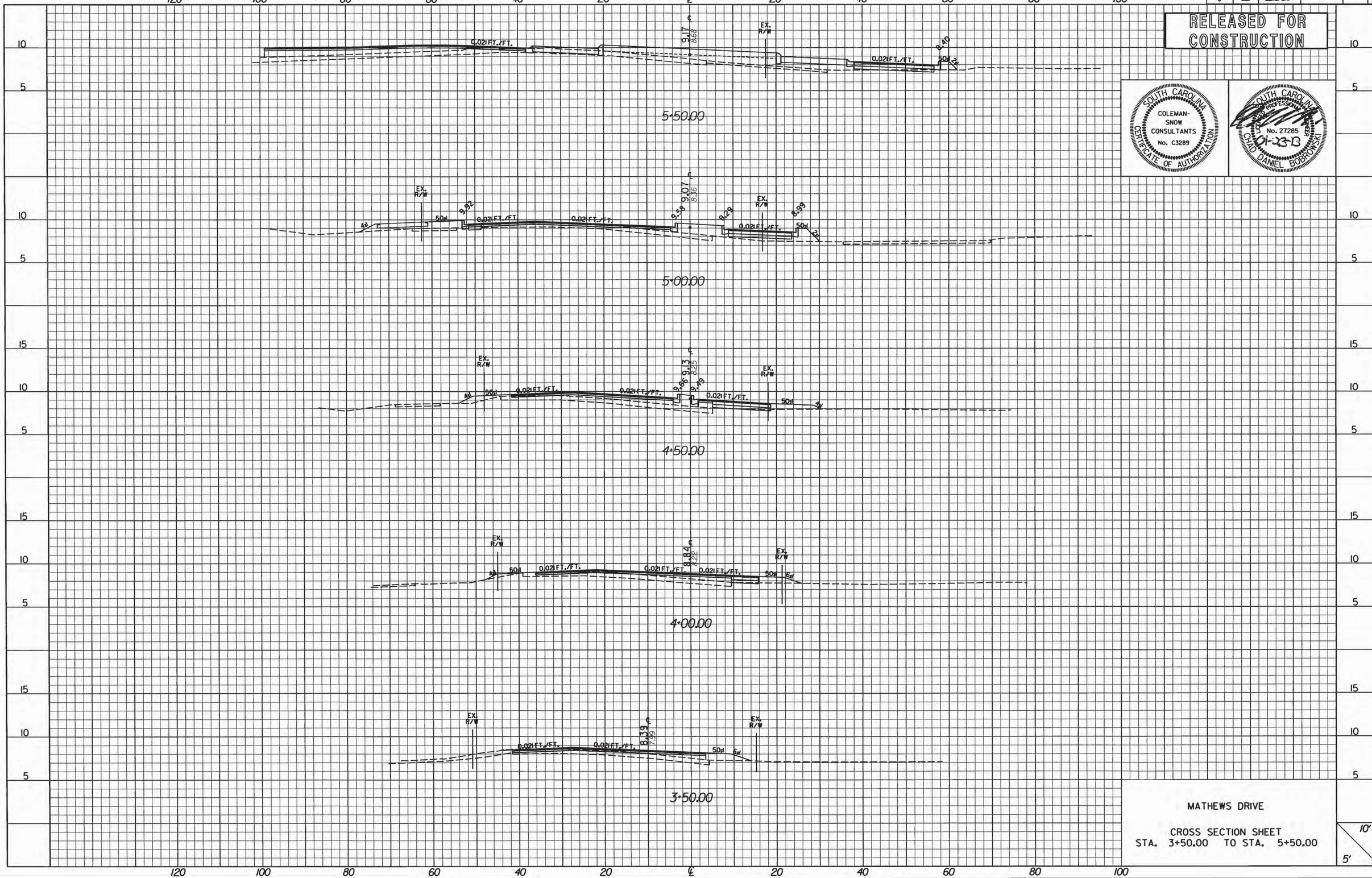
MATHEWS DRIVE

CROSS SECTION SHEET
STA. 1+00.00 TO STA. 3+00.00

10'
5'

FEDERAL PROJ. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			XS 2

RELEASED FOR CONSTRUCTION



SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 01-23-13 CHAD DANIEL BOBROWSKI

MATHEWS DRIVE

CROSS SECTION SHEET
STA. 3+50.00 TO STA. 5+50.00

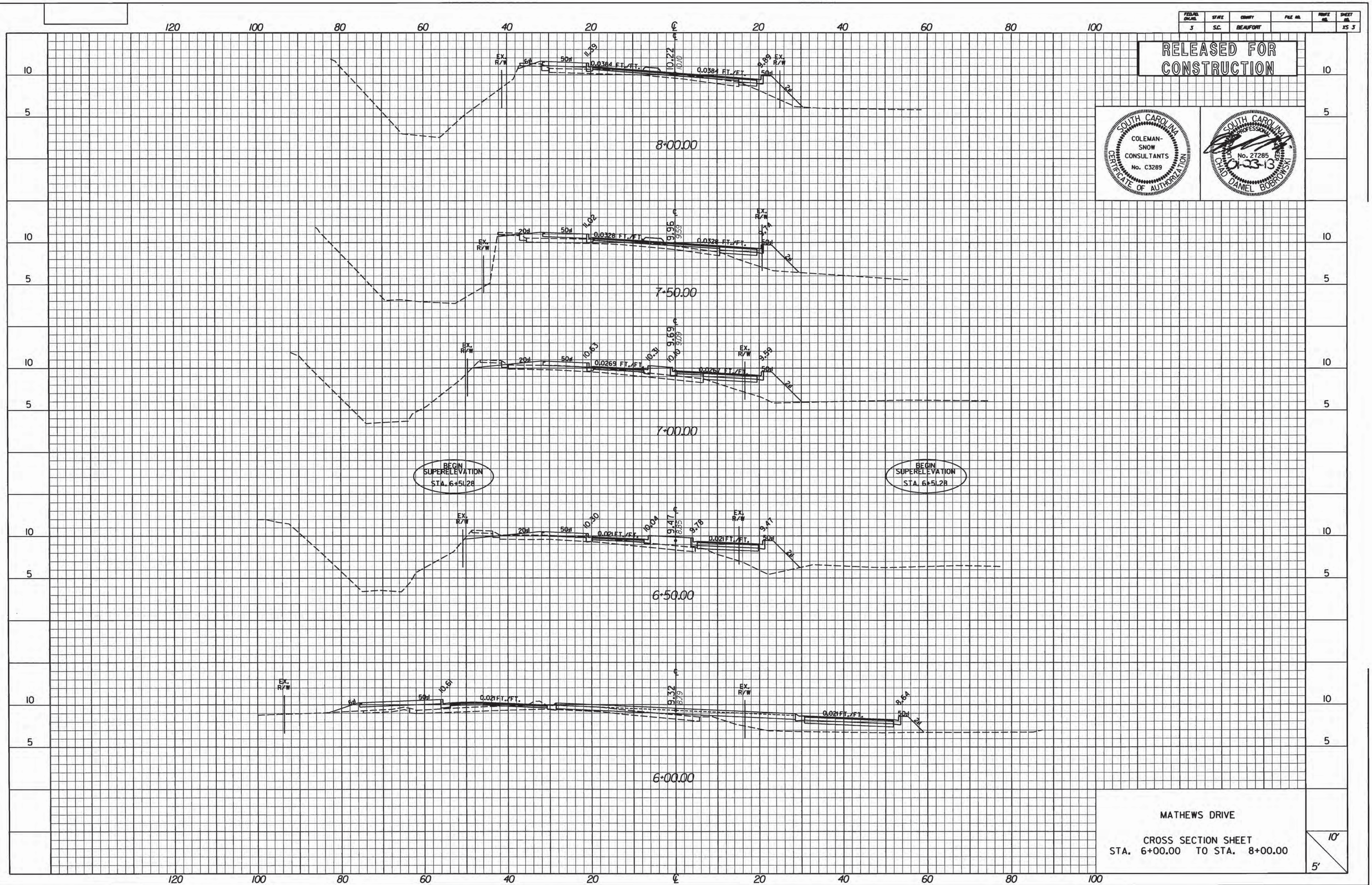
10' / 5'

FED.RD. DIV.NO.	STATE	COUNTY	FILE NO.	PROJECT NO.	SHEET NO.
3	S.C.	BEAUFORT			XS 3

RELEASED FOR CONSTRUCTION

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 01-23-13 CHAD DANIEL BOBROWSKI



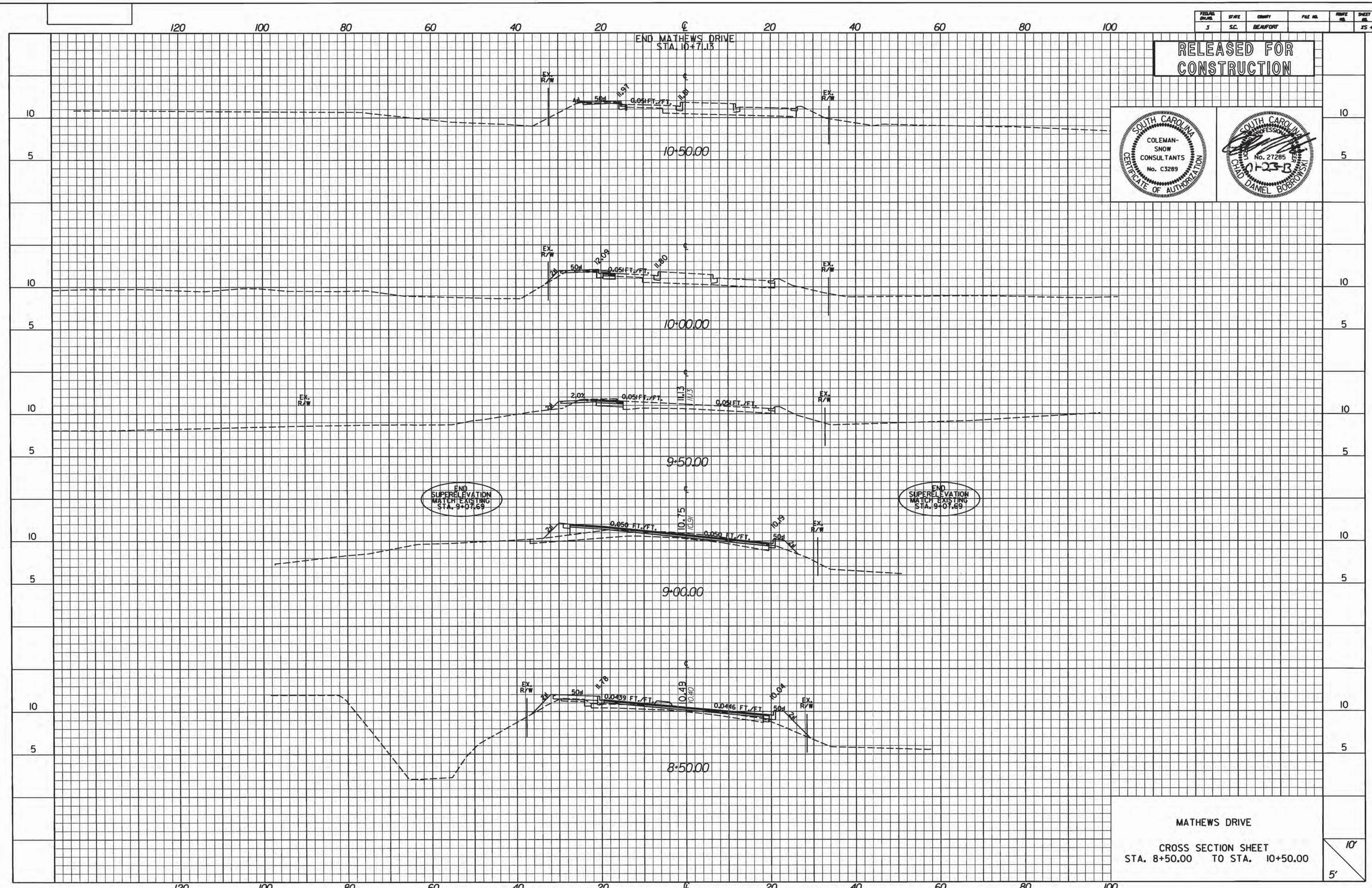
MATHEWS DRIVE

CROSS SECTION SHEET
STA. 6+00.00 TO STA. 8+00.00

10'
5'

FED./FED. DIV./REG.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			15-4

RELEASED FOR CONSTRUCTION



SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI

01-23-B

MATHEWS DRIVE

CROSS SECTION SHEET
STA. 8+50.00 TO STA. 10+50.00

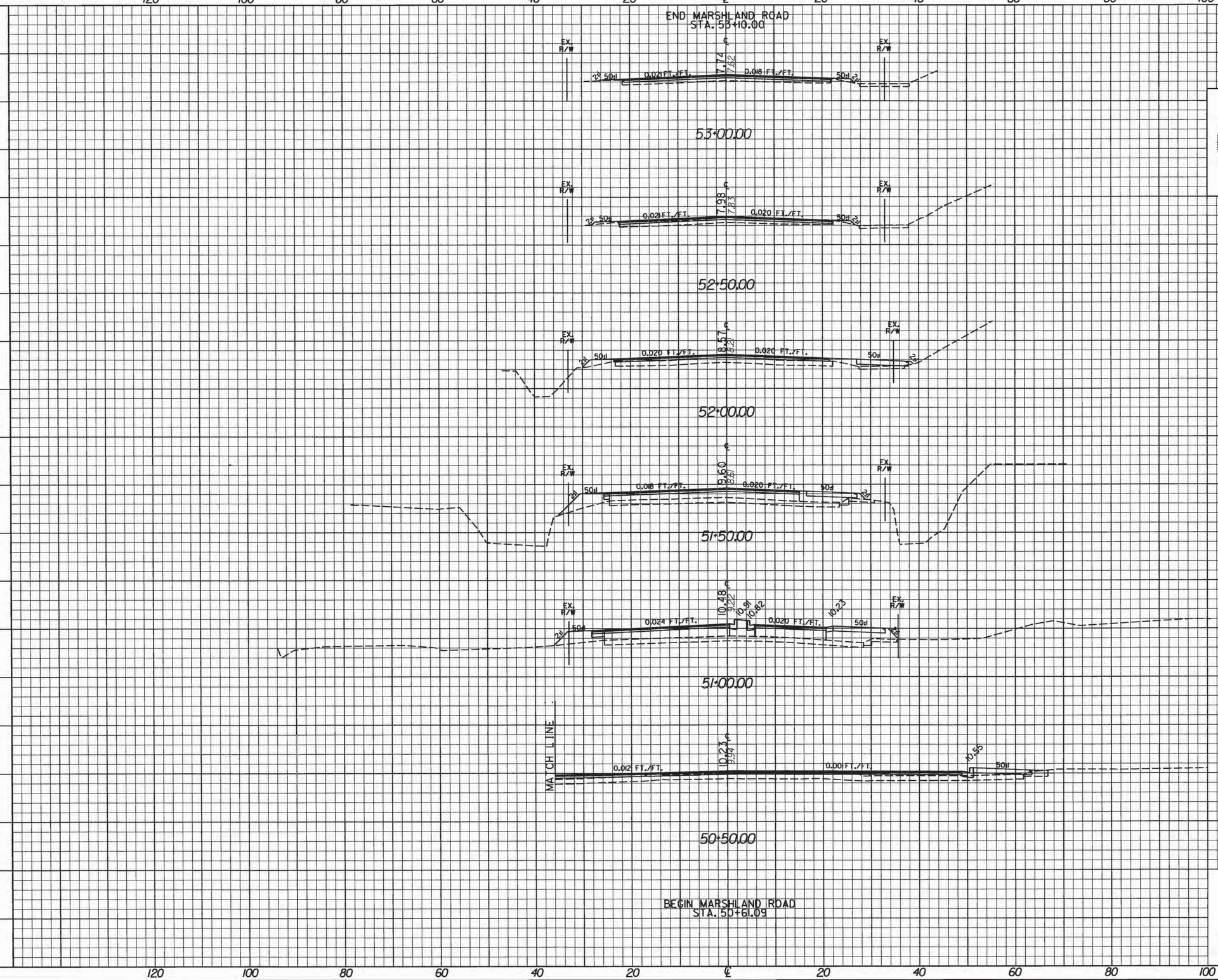
10'
5'

FEDERAL DIV.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			XS 5

RELEASED FOR CONSTRUCTION

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHAD DANIEL BOBROWSKI



MARSHLAND ROAD

CROSS SECTION SHEET
STA. 50+50.00 TO STA. 53+00.00

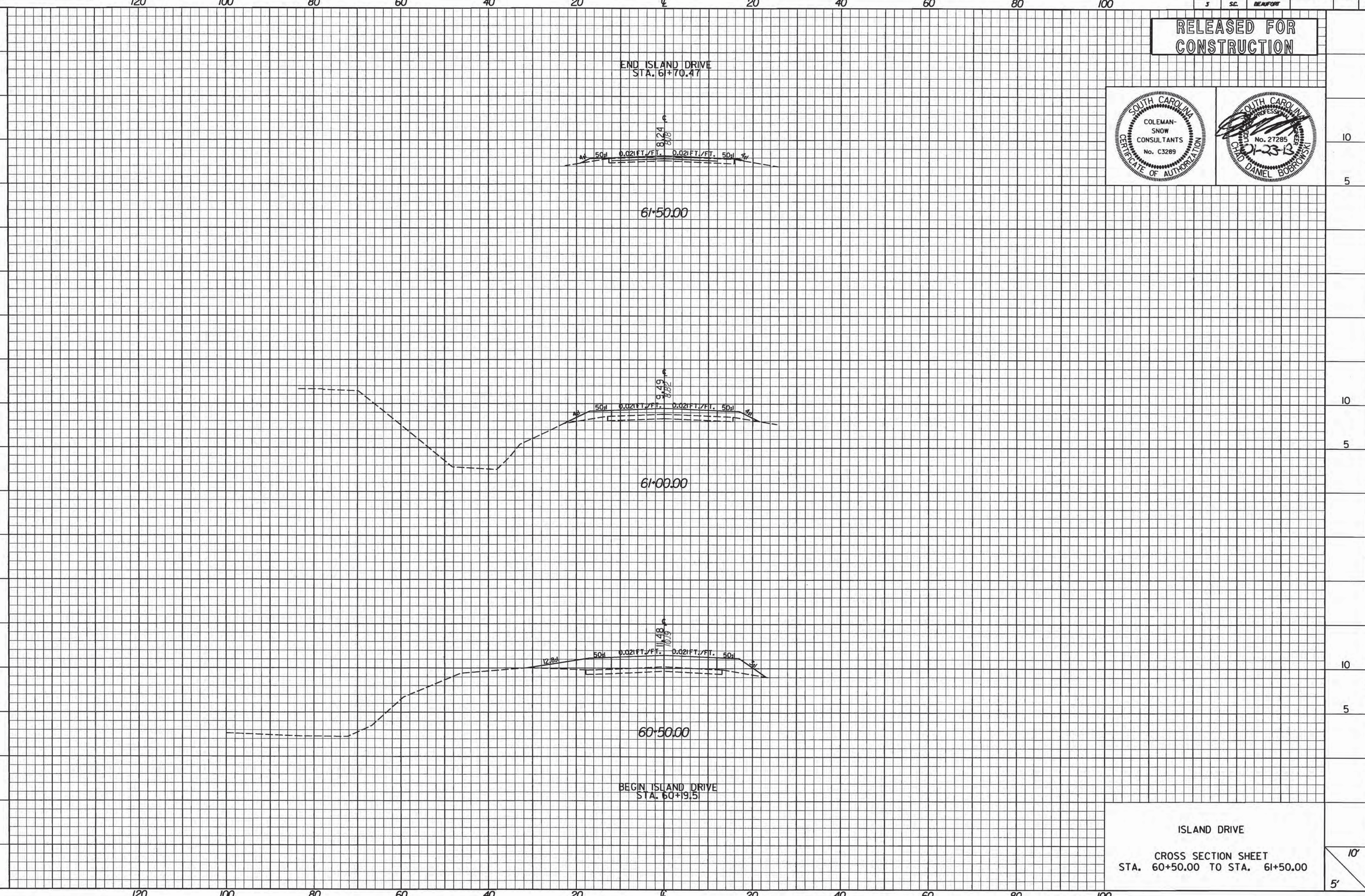
10'
5'

FEDERAL DIV. NO.	STATE	COUNTY	FILE NO.	ROUTE NO.	SHEET NO.
3	S.C.	BEAUFORT			XS 6

RELEASED FOR CONSTRUCTION

SOUTH CAROLINA COLEMAN-SNOW CONSULTANTS No. C3289 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 27285 CHRIS DANIEL BOBROWSKI 01-23-13



ISLAND DRIVE

CROSS SECTION SHEET
STA. 60+50.00 TO STA. 61+50.00

10'
5'