CONTRACTOR WILL SUBMIT WORK ZONE TRAFFIC CONTROL PLANS TO OWNER AND ENGINEER PRIOR TO START OF CONSTRUCTION. DEVICES AND STAGING WILL BE IN ACCORDANCE WITH THE FOLLOWING SCDOT STANDARD DETAILS:

- 601-015-00 WIDENING PROJECTS EXISTING ROADWAY REHABILITATION PRIMARY ROUTES
- 601-115-00 MATHERIALS STORAGE PRIMARY & SECONDARY URBAN ROADWAYS
- 601-205-01 PROTECTION OF EXCAVATIONS ADJACENT TO ROADWAY

ADDITIONAL SCDOT STANDARD DETAILS FOR TRAFFIC CONTROL SHALL BE REFERENCED AS APPLICABLE.

MATCH LINE - SEE SHEET NO. C3.2

SOUTH CAROLINA PROFESSIONAL ENGINEER — BID SET — 8-15-2018

NO.	REVISIONS	BY	DATE
7	REVISED PER SCDOT COMMENTS	MCS	4/1/14
5	REVISED PER PUBLIC MEETING COMMENTS	DSG	8/5/14

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TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

PAVING GRADING AND DRAINAGE PLAN

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	1" = 20'

C3.1

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

CONTRACTOR WILL SUBMIT WORK ZONE TRAFFIC CONTROL PLANS TO OWNER AND ENGINEER PRIOR TO START OF CONSTRUCTION. DEVICES AND STAGING WILL BE IN ACCORDANCE WITH THE FOLLOWING SCDOT STANDARD DETAILS:

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ADDITIONAL SCDOT STANDARD DETAILS FOR TRAFFIC CONTROL SHALL BE REFERENCED AS APPLICABLE.

6

N/F
MARSH RENTALS, LLC
5 RED CEDAR STREET
LOTS 18-198 PINECREST
R610-039-108C

ELEVATED TIMBER WALKWAY OVER EXISTING 30" PIPE. USE 10' TRANSITION FROM FG TO EXISTING DITCH CENTER ON BOTH SIDES.

PRESENT 81' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

SIDEWALK EASEMENT

TEMPORARY CONSTRUCTION EASEMENT

SIDEWALK EASEMENT

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

FES #161 SCDOT (719-605-00)
CONNECT INVERT TO EXISTING DITCH
INV. OUT: 18.39 (S)

DRAINAGE EASEMENT

3 LF 24" RCP @ 2.73%

47 LF 24" RCP @ 0.34%

6' SIDEWALK (TYP.)

SMH #159 SCDOT (719-009-01)
FR: 22.19
CONNECT TO EXISTING PIPE AT INV. IN: 18.14 (E)

GI #8
FR: 21.70

INV.: 17.96

41 LF 30" RCP @ 7.10%

JB #9
FR: 22.08
INV. IN: 18.13 (W)
INV. OUT: 18.11 (S)
INV. OUT: 18.13 (E)

67 LF 30" RCP @ 0.10%

38 LF 30" RCP @ 2.42%

SMH #33
FR: 21.95
INV. IN: 17.21 (W)
INV. IN: 17.21 (N)
INV. OUT: 17.21 (E)

EXISTING 5'X2' BOX CULVERT

EXISTING ROAD EDGE

CURB RAMP
SEE SCDOT DETAIL
720-981-36 AND 720-910-01/02

SMH #160 SCDOT (719-009-01)
FR: 21.81
CONNECT TO EXISTING 24" RCP AT INV. IN: 18.67
INV. IN: 18.30 (N)
INV. OUT: 18.30 (W)

30 LF 12" RCP @ 1.39%

22 LF 18" RCP @ 0.32%

PRESENT 81' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

EXISTING ROADSIDE DITCH

TRANSITION TO ZERO CURB IN 6'

EXISTING ROAD EDGE

N/F
CEMETARY
1154 MAY RIVER ROAD
R610-039-128

3

5

N/F
CEMETARY
1166 MAY RIVER ROAD
R610-039-026

8

44 LF 24" RCP @ 0.48%

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

SMH #157 SCDOT (719-009-01)
FR: 22.14
INV. IN: 19.93 (E)
CONNECT TO EXISTING 24" RCP AT INV. OUT: 18.88

3 LF 18" RCP @ 1.83%

FES #158 SCDOT (719-605-00)
INV. OUT: 19.99 (W)

TEMPORARY CONSTRUCTION EASEMENT

CI #144 SCDOT (719-016-01 MODIFIED BOX)
FR: 23.70
INV. OUT: 19.93 (S)

26 LF 18" RCP @ 0.30%

GRASS SWALE

CI #143 SCDOT (719-016-01)
FR: 23.93
INV. IN: 19.85 (N)
INV. OUT: 19.85 (S)

18 LF 18" RCP @ 0.30%
INV.: 19.80

30 LF 18" RCP @ 0.63%

REFER TO SCDOT DRIVEWAY STANDARD DRAWING 720-415-00

TIE GRADE TO EXISTING DRIVEWAY

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

N/F
THOMAS W. BURROWS, SR.
1165 MAY RIVER RD.
R610-039-108B

REFER TO SCDOT DRIVEWAY STANDARD DRAWING 720-415-00

INV.: 19.10

CI #137 SCDOT (719-016-01)
FR: 24.87
INV. IN: 18.34 (N)
INV. OUT: 18.34 (S)

16 LF 18" RCP @ 0.30%

INV.: 19.68

PIPE END IN SUMP W/ RIP-RAP ON FILTER FABRIC
INV.: 18.29

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

10

64 LF 15" RCP @ 0.30%

GI #139 SCDOT (719-105-01)
FR: 21.00
INV. IN: 18.50 (E)
INV. OUT: 18.50 (SW)

28 LF 18" RCP @ 0.30%

CI #138 SCDOT (719-016-01 MODIFIED BOX)
FR: 24.87
INV. IN: 18.42 (NE)
INV. OUT: 18.42 (S)

DRAINAGE EASEMENT

TIE TO EXISTING PARKING LOT GRADES

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

N/F
T.W. BURROWS
PAR. A, LOTS 9-12
R610-039-098

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

N/F
CBM REALTY, LLC.
R610-039-1129

MATCH LINE - SEE SHEET NO. C3.1

MATCH LINE - SEE SHEET NO. C3.3

GRAPHIC SCALE
20 0 10 20 40 60
(IN FEET)
1 inch = 20 ft.

BID SET
6-15-2018

NO.	REVISIONS	BY	DATE
7	REVISED PER SCDOT COMMENTS	MCS	4/1/14
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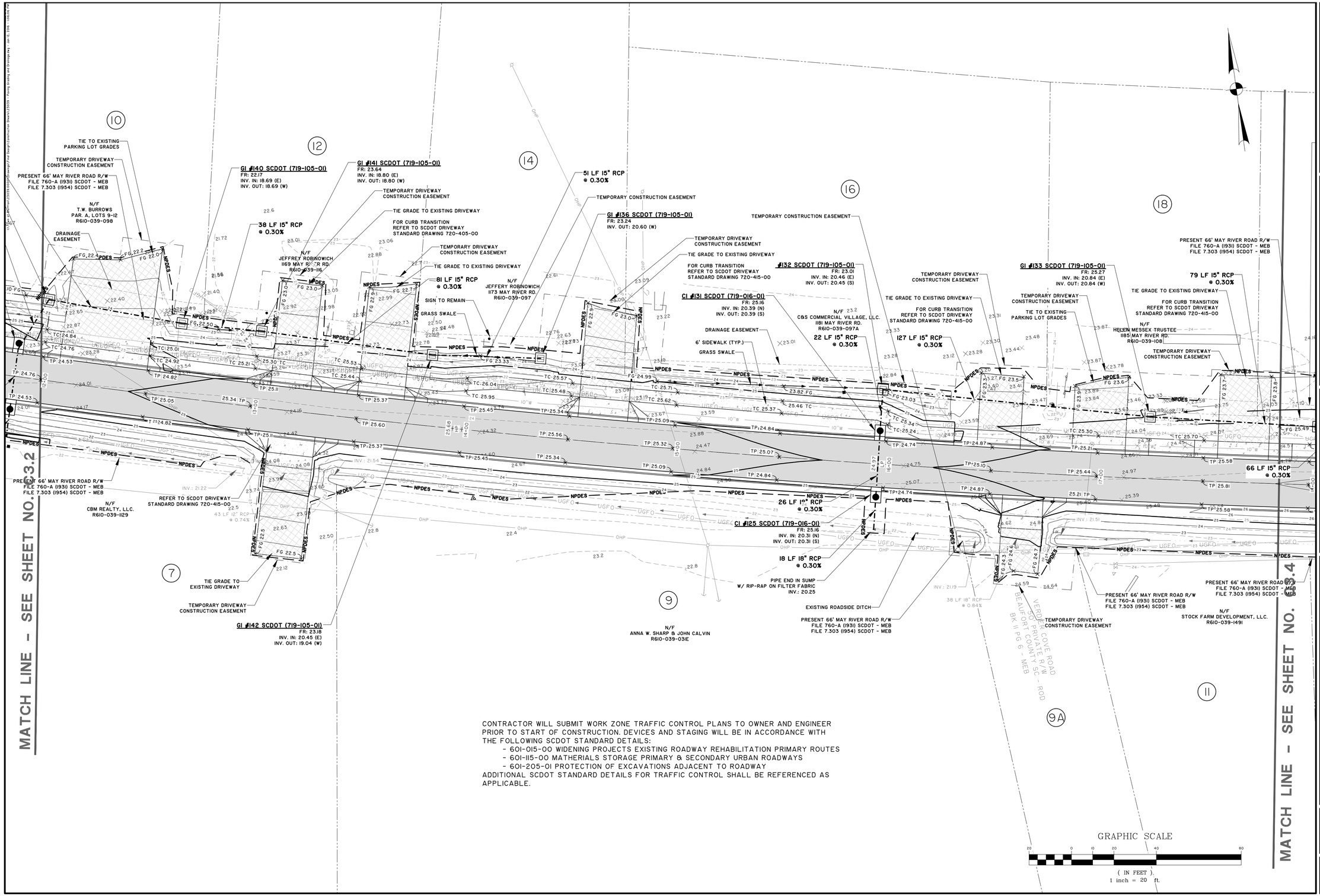
APPROVED:	RMS
SCALE:	1" = 20'

C3.2



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SOUTH CAROLINA PROFESSIONAL ENGINEER RYAN M. SMITH 24703 — 6-15-2018

BID SET

NO.	REVISIONS	BY	DATE
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BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

PAVING GRADING AND DRAINAGE PLAN

JOB NO:	J-23039
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DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	1" = 20'

C3.3

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ADDITIONAL SCDOT STANDARD DETAILS FOR TRAFFIC CONTROL SHALL BE REFERENCED AS APPLICABLE.

MATCH LINE - SEE SHEET NO. C3.3

MATCH LINE - SEE SHEET NO. C3.5

CURB RAMP SEE SCDOT DETAIL 720-952-11 AND 720-910-01/02

PRESENT 66' MAY RIVER ROAD R/W FILE 760-A (1931) SCDOT - MEB FILE 7.303 (1954) SCDOT - MEB

DRAINAGE EASEMENT

GI #156 SCDOT (719-105-01)
FR: 25.53
INV. IN: 21.07 (E)
INV. OUT: 21.07 (W)

MATCH EXISTING PAVEMENT ELEVATION (TYP.)

SMH #135 SCDOT (719-009-01)
FR: 24.23
INV. OUT: 21.30 (SW)

CONNECT SMH #135 TO EXISTING PIPE END
INV.: 22.27

PRESENT 66' MAY RIVER ROAD R/W FILE 760-A (1931) SCDOT - MEB FILE 7.303 (1954) SCDOT - MEB

9 LF 15" RCP @ 0.30%

N/F HELEN MESSEX, TRUSTEE 1189 MAY RIVER RD. R610-039-104

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

GI #134 SCDOT (719-105-01)
FR: 24.00
INV. IN: 21.27 (NE)
INV. OUT: 21.27 (W)

WHISPERING PINE STREET 40' PUBLIC R/W BEAUFORT COUNTY SC - ROD BK 16 PG 176 - MEB

53 LF 15" RCP @ 0.09%

7' SIDEWALK RAMP. TRANSITION TO 6" CURB

N/F CAROLYN C SMITH 1193 MAY RIVER RD. R610-039-107A

CI #128 SCDOT (719-016-01)
FR: 25.96
INV. IN: 21.35 (E)
INV. OUT: 21.35 (S)

35 LF 15" RCP @ 0.30%

DRAINAGE EASEMENT

GI #129 SCDOT (719-105-01)
FR: 23.73
INV. IN: 21.46 (E)
INV. OUT: 21.46 (W)

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

CONNECT DRIVEWAY TO EXISTING GRADE.

37 LF 15" RCP @ 0.30%

GI #130 SCDOT (719-105-01)
FR: 24.03
INV. IN: 21.57 (E)
INV. OUT: 21.57 (W)

64 LF 15" RCP @ 0.30%

N/F TREVOR HOWARD WELLS 1195 MAY RIVER RD. R610-039-107B

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

CONNECT DRIVEWAY TO EXISTING GRADE.

REFER TO SCDOT DRIVEWAY STANDARD DRAWING 720-415-00

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

CONNECT DRIVEWAY TO EXISTING GRADE.

TEMPORARY CONSTRUCTION EASEMENT (WIDTH VARIES)

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

GI #123 SCDOT (719-105-01)
FR: 22.77
INV. IN: 20.28 (W)
INV. OUT: 20.28 (S)

REFER TO SCDOT DRIVEWAY STANDARD DRAWING 720-415-00

N/F RUPERT AND BERTIE P. JOHNSON C/O CLIFFORD I. JOHNSON 1203 MAY RIVER RD. R610-039-114

CONNECT DRIVEWAY TO EXISTING GRADE.

DRAINAGE EASEMENT

TEMPORARY CONSTRUCTION EASEMENT

131 LF 15" RCP @ 0.30%

19 LF 15" RCP @ 0.30%

PRESENT 66' MAY RIVER ROAD R/W FILE 760-A (1931) SCDOT - MEB FILE 7.303 (1954) SCDOT - MEB

66 LF 15" RCP @ 0.30%

VALLEY GUTTER ACROSS DRIVEWAY

VALLEY GUTTER

26 LF 18" RCP @ 0.30%

DRAINAGE EASEMENT

GI #155 SCDOT (719-105-01)
FR: 25.06
INV. OUT: 21.76 (W)

6' SIDEWALK (TYP.)

GI #124 SCDOT (719-105-01)
FR: 23.60
INV. OUT: 20.67 (E)

CI #122 SCDOT (719-016-01 MODIFIED BOX)
FR: 26.06
INV. IN: 20.22 (N)
INV. OUT: 20.22 (S)

SR46 / MAY RIVER ROAD

91 LF 18" RCP @ 0.30%

EXISTING ROADSIDE DITCH

PIPE END IN SUMP W/ RIP-RAP ON FILTER FABRIC INV.: 21.00

CONNECT TO EXISTING SIDEWALK VIA TRANSITIONAL SEGMENT

N/F STOCK FARM DEVELOPMENT, LLC. R610-039-1490

DRAINAGE EASEMENT

PRESENT 66' MAY RIVER ROAD R/W FILE 760-A (1931) SCDOT - MEB FILE 7.303 (1954) SCDOT - MEB

GINKGO LANE 50' PRIVATE R/W BEAUFORT COUNTY SC - ROD BK 126 PG 176 - MEB

N/F STOCK FARM DEVELOPMENT, LLC. R610-039-1524

CI #126 SCDOT (719-016-01)
FR: 25.96
INV. IN: 21.27 (N)
INV. IN: 21.27 (E)
INV. OUT: 21.27 (W)

CURB RAMP SEE SCDOT DETAIL 720-971-24 AND 720-910-01/02

CURB RAMP SEE SCDOT DETAIL 720-961-11 AND 720-910-01/02

CONNECT TO EXISTING SIDEWALK VIA TRANSITIONAL SEGMENT

PRESENT 66' MAY RIVER ROAD R/W FILE 760-A (1931) SCDOT - MEB FILE 7.303 (1954) SCDOT - MEB

CONNECT TO EXISTING CURB AND GUTTER. TRANSITION TO DEPRESSED CURB AND GUTTER IN 6' (TYP.)

124 LF 15" RCP @ 0.30%

FOR CURB TRANSITION REFER TO SCDOT DRIVEWAY STANDARD DRAWING 720-405-00

N/F STOCK FARM DEVELOPMENT, LLC. R610-039-1488

TEMPORARY CONSTRUCTION EASEMENT

CI #127 SCDOT (719-016-01)
FR: 26.22
INV. OUT: 21.64 (W)

N/F STOCK FARM DEVELOPMENT, LLC. R610-039-1487

CONNECT TO EXISTING SIDEWALK VIA TRANSITIONAL SEGMENT

N/F STOCK FARM DEVELOPMENT, LLC. R610-039-1486

6' SIDEWALK (TYP.)

CI #163 SCDOT (719-016-01)
FR: 26.10
INV. OUT: 20.21 (E)

32 LF 15" RCP @ 0.30%

N/F STOCK FARM DEVELOPMENT, LLC. R610-039-1485

35 LF 18" RCP @ 0.30%

CI #121 SCDOT (719-016-01)
FR: 26.25
INV. IN: 20.12 (N)
INV. IN: 20.12 (W)
INV. OUT: 20.12 (E)

N/F STOCK FARM DEVELOPMENT, LLC. R610-039-1484

133 LF 24" RCP @ 0.30%

PRESENT 66' MAY RIVER ROAD R/W FILE 760-A (1931) SCDOT - MEB FILE 7.303 (1954) SCDOT - MEB

CI #119 SCD

N/F STOCK FARM DEVELOPM R610-039-148

EXISTING S TRANSITION

PRESENT 66' MAY RIV FILE 760-A (193 FILE 7.303 (1954

SEE SCD 720-952-11 AND 720-

13 15 17 19 21 23 25 27 29

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

BID SET
6-15-2018

NO.	REVISIONS	BY	DATE
7	REVISED PER SCDOT COMMENTS	DSG	8/5/14
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MAY RIVER ROAD IMPROVEMENTS PHASE II

PAVING GRADING AND DRAINAGE PLAN

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DESIGNED:	RMS
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APPROVED:	RMS
SCALE:	1" = 20'

C3.4

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- 601-205-01 PROTECTION OF EXCAVATIONS ADJACENT TO ROADWAY

ADDITIONAL SCDOT STANDARD DETAILS FOR TRAFFIC CONTROL SHALL BE REFERENCED AS APPLICABLE.

MATCH LINE - SEE SHEET NO. C3.4

MATCH LINE - SEE SHEET NO. C3.6

28 30 32 34 27 29 31 33 35 37

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

N/F
ROBERTS VAUX
DBA VAUX ENTERPRISES
1207 MAY RIVER RD.
R610-039-096

N/F
ROBERTS VAUX
DBA VAUX ENTERPRISES
1215 MAY RIVER RD.
R610-039-095

N/F
BLUFFTON OFFICE, LLC.
1213 MAY RIVER RD.
R610-039-093

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1484

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1483

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1482

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1530

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1539

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

CONNECT DRIVEWAY TO EXISTING GRADE.

REFER TO SCDOT DRIVEWAY STANDARD DRAWING 720-415-00

REFER TO SCDOT DRIVEWAY STANDARD DRAWING 720-405-00

NEW ASPHALT DRIVEWAY ACCESS POINT TO SERVE TWO EXISTING GRAVEL DRIVES. CONNECT DRIVEWAY TO EXISTING GRADE.

DRAINAGE EASEMENT

TEMPORARY CONSTRUCTION EASEMENT

CURB RAMP
SEE SCDOT DETAIL
720-971-24 AND 720-910-01/02

CURB RAMP
SEE SCDOT DETAIL,
720-951-II AND 720-910-01/02

CURB RAMP
SEE SCDOT DETAIL
720-952-II AND 720-910-01/02

CURB RAMP
SEE SCDOT DETAIL
720-981-36 AND 720-910-01/02

CURB RAMP
SEE SCDOT DETAIL
720-971-24 AND 720-910-01/02

CI #120 SCDOT (719-016-01)
FR: 26.74
INV. OUT: 19.80 (S)

CI #114 SCDOT (719-016-01)
FR: 26.51
INV. IN: 20.13 (NW)
INV. OUT: 20.13 (S)

CI #115 SCDOT (719-016-01 MODIFIED BOX)
FR: 26.40
INV. IN: 20.23 (NW)
INV. OUT: 20.23 (SE)

CI #116 SCDOT (719-105-01)
FR: 22.88
INV. OUT: 20.32 (SE)

CI #109 SCDOT (719-016-01)
FR: 27.46
INV. IN: 21.60 (NW)
INV. OUT: 21.60 (E)

CI #110 SCDOT (719-105-01)
FR: 25.31
INV. OUT: 21.72 (SE)

CI #119 SCDOT (719-016-01)
FR: 26.74
INV. IN: 19.72 (N)
INV. IN: 19.72 (W)
INV. OUT: 19.72 (E)

CI #111 SCDOT (719-016-01)
FR: 26.38
INV. OUT: 20.42 (S)

CI #113 SCDOT (719-016-01)
FR: 26.36
INV. IN: 20.03 (N)
INV. OUT: 20.03 (S)

FES #117 SCDOT (719-605-00)
FR: 21.41
INV. IN: 19.16 (NW)

FES #154 SCDOT (719-605-00)
FR: 21.30
INV. IN: 19.60 (N)

FES #153 SCDOT (719-605-00)
FR: 21.91
INV. IN: 20.20 (N)

SMH #118 SCDOT (719-009-01)
FR: 26.42
INV. IN: 19.42 (W)
INV. OUT: 19.42 (SE)

131 LF 15" RCP @ 0.30%

LF 15" RCP @ 0.30%

DT (719-105-01)
FR: 22.77
INV. IN: 20.28 (W)
INV. OUT: 20.28 (S)

DT (719-016-01 MODIFIED BOX)
FR: 26.06
INV. IN: 20.22 (N)
INV. OUT: 20.22 (S)

(719-016-01)
FR: 26.25
INV. IN: 20.12 (N)
INV. IN: 20.12 (W)
OUT: 20.12 (E)

133 LF 24" RCP @ 0.30%

26 LF 18" RCP @ 0.30%

100 LF 24" RCP @ 0.30%

87 LF 24" RCP @ 0.30%

32 LF 18" RCP @ 0.30%

34 LF 18" RCP @ 0.30%

70 LF 18" RCP @ 0.30%

41 LF 15" RCP @ 0.30%

31 LF 18" RCP @ 1.40%

16 LF 18" RCP @ 0.50%

22 LF 18" RCP @ 1.00%

DETENTION/INFILTRATION SWALE COORDINATE WITH TOWN FOR FINAL DESIGN

CONNECT TO EXISTING SIDEWALK VIA TRANSITIONAL SEGMENT

SIDEWALK EASEMENT

DRAINAGE EASEMENT

6' SIDEWALK (TYP.)

EXISTING SIDEWALK

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

S-16 / MAY RIVER ROAD

STOCK FARM ROAD
50' PRIVATE R/W
BEAUFORT COUNTY SC ROAD
BK 125 PG 176

GRAPHIC SCALE
20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

BID SET 6-15-2018

NO.	REVISIONS	BY	DATE
7	REVISED PER SCDOT COMMENTS	DSG	8/5/14
6	REVISED DETENTION/INFILTRATION SWALE & SIDEWALK	MCS	4/21/14
5	REVISED PER PUBLIC MEETING COMMENTS	MCS	4/1/14

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DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	1" = 20'

C3.5

CONTRACTOR WILL SUBMIT WORK ZONE TRAFFIC CONTROL PLANS TO OWNER AND ENGINEER PRIOR TO START OF CONSTRUCTION. DEVICES AND STAGING WILL BE IN ACCORDANCE WITH THE FOLLOWING SCDOT STANDARD DETAILS;

- 601-015-00 WIDENING PROJECTS EXISTING ROADWAY REHABILITATION PRIMARY ROUTES
- 601-115-00 MATHERIALS STORAGE PRIMARY & SECONDARY URBAN ROADWAYS
- 601-205-01 PROTECTION OF EXCAVATIONS ADJACENT TO ROADWAY

ADDITIONAL SCDOT STANDARD DETAILS FOR TRAFFIC CONTROL SHALL BE REFERENCED AS APPLICABLE.

SEE SHEET NO. C3.5

MATCH LINE

DOLLAR GENERAL

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

6' SIDEWALK (TYP.)

DRAINAGE EASEMENT

TEMPORARY CONSTRUCTION EASEMENT

GRASS SWALE

SIDEWALK EASEMENT

N/F
GEORGE H SCOTT MEATS INC
1223 MAY RIVER ROAD
R610-039-121

N/F
APOSTOLOS RIGANA
1231 MAY RIVER ROAD
R610-039-123

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1525

N/F
MIROSLAW KULESZA & BARBARA JTROS SMIESZEK
R610-039-A-225

N/F
SCOTT FAMILY COMPANY, LLC.
R610-039-A-215B

PIN OAK STREET
40' PUBLIC R/W
BEAUFORT COUNTY SC - RC&D
48" RCP
PK 16 PG 7 - MEB

THOMAS HEYWARD STREET
30' PUBLIC R/W
TOWN OF BLUFFTON - MEB

EXISTING SIDEWALK

SMH #11
FR: 24.40

CI #103 SCDOT (719-016-01)
FR: 27.04
INV. IN: 20.56 (SW)
INV. IN: 19.49 (NW)
INV. OUT: 19.49 (E)

54 LF 24" RCP
@ 0.30%

GI #105 SCDOT (719-105-01)
FR: 22.96
INV. OUT: 19.65 (SE)

70 LF 18" RCP
@ 0.30%

SMH #108 SCDOT (719-009-01)
FR: 27.82
INV. IN: 21.39 (W)
CONNECT EXISTING PIPE AT
INV. OUT: 21.39

115 LF 24" RCP
@ 0.30%

CI #101 SCDOT (719-016-01 MODIFIED BOX)
FR: 26.65
INV. IN: 20.77 (S)
INV. IN: 19.14 (W)
INV. OUT: 19.14 (NE)

62 LF 24" RCP
@ 0.30%

25 LF 18" RCP
@ 1.00%
CONNECT TO EXISTING
SMH #10 AT INV.: 18.89

CONNECT TO
EXISTING SIDEWALK VIA
TRANSITIONAL SEGMENT

CI #100 SCDOT (719-016-01)
FR: 25.10
INV. IN: 18.95 (SW)
INV. OUT: 18.95 (S)

23 LF 24" RCP
@ 0.30%
CONNECT TO EXISTING
SMH #10 AT INV.: 18.89

CONNECT TO EXISTING SMH #10
RAISE FRAME ELEVATION TO FR: 25.25
CONNECT PROPOSED RCP AT
INV. IN: 18.89 (NE)
INV. IN: 18.89 (E)
INV. IN: 18.95 (NW)

CURB RAMP
SEE SCDOT DETAIL
720-981-36 AND 720-910-01/02

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

CI #150 SCDOT (719-016-01)
FR: 24.86
INV. OUT: 19.14 (SW)

CONNECT TO
EXISTING SIDEWALK VIA
TRANSITIONAL SEGMENT

CURB RAMP
SEE SCDOT DETAIL
720-981-36 AND 720-910-01/02

PRESENT 66'
MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

DRAINAGE EASEMENT

TEMPORARY
CONSTRUCTION
EASEMENT

46 LF 24" RCP
@ 0.22%
CONNECT TO EXISTING
SMH #10 AT INV.: 18.89

SMH #162 SCDOT (719-009-01)
FR: 25.58
TIE TO EXISTING 15" RCP @
INV. IN: 18.99 (E)
INV. IN: 20.30 (SE)
INV. OUT: 18.99 (W)

CURB RAMP
SEE SCDOT DETAIL
720-981-36 AND 720-910-01/02

CONNECT TO
EXISTING SIDEWALK VIA
TRANSITIONAL SEGMENT

15 LF 15" RCP
@ 0.30%

CONNECT TO EXISTING
EDGE OF PAVEMENT
AND CURB

CI #151 SCDOT (719-016-01)
FR: 26.11
INV. IN: 20.34 (S)
INV. OUT: 20.34 (NW)

VARIABLE DEPTH MILL
AND OVERLAY

34 LF 18" RCP
@ 0.30%

CONNECT TO EXISTING
EDGE OF PAVEMENT
AND CURB

CI #152 SCDOT (719-016-01)
FR: 26.99
INV. OUT: 20.45 (N)

CONNECT TO
EXISTING SIDEWALK VIA
TRANSITIONAL SEGMENT

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

CURB RAMP
SEE SCDOT DETAIL
720-981-36 AND 720-910-01/02

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

MATCH EXISTING
PAVEMENT ELEVATION (TYP.)

CONNECT TO EXISTING PIPE AT
INV.: 21.02

15 LF 24" RCP
@ 0.85%

SMH #105 SCDOT (719-009-01)
FR: 27.42
INV. IN: 20.89 (N)
INV. OUT: 20.89 (S)

27 LF 24" RCP
@ 0.92%

CI #104 SCDOT (719-016-01)
FR: 27.24
INV. OUT: 20.74 (NE)

SMH #106 SCDOT (719-009-01)
FR: 24.43
INV. IN: 20.65 (N)
INV. OUT: 20.65 (NW)

13 LF 18" RCP
@ 0.30%

FES #107 SCDOT (719-605-00)
FR: 22.40
INV. IN: 20.69 (SE)

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

CURB RAMP
SEE SCDOT DETAIL
720-951-11 AND 720-910-01/02

DRAINAGE EASEMENT

SIDEWALK EASEMENT

60 LF 18" RCP
@ 0.30%

REFER TO SCDOT DRIVEWAY
STANDARD DRAWING 720-415-00

SIDEWALK EASEMENT

CONNECT DRIVEWAY
TO EXISTING GRADE.

TEMPORARY DRIVEWAY
CONSTRUCTION EASEMENT

CI #102 SCDOT (719-016-01)
FR: 26.85
INV. OUT: 20.84 (N)

CURB RAMP
SEE SCDOT DETAIL
720-981-36 AND 720-910-01/02

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

TEMPORARY CONSTRUCTION EASEMENT

CONNECT TO
EXISTING DRIVEWAY VIA
TRANSITIONAL SEGMENT

26 LF 18" RCP
@ 0.30%

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

NO.	REVISIONS	BY	DATE
7	REVISED PER SCDOT COMMENTS	DSG	8/5/14
6	REVISED DETENTION/INFILTRATION SWALE & SIDEWALK	MCS	4/21/14
5	REVISED PER PUBLIC MEETING COMMENTS	MCS	4/1/14

BID SET
6-15-2018

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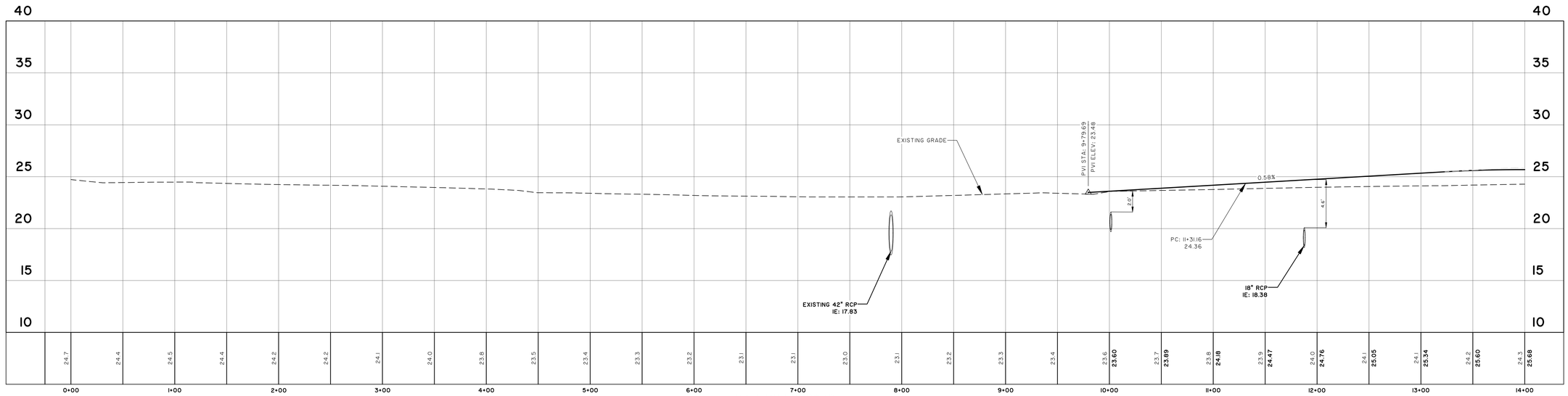
TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

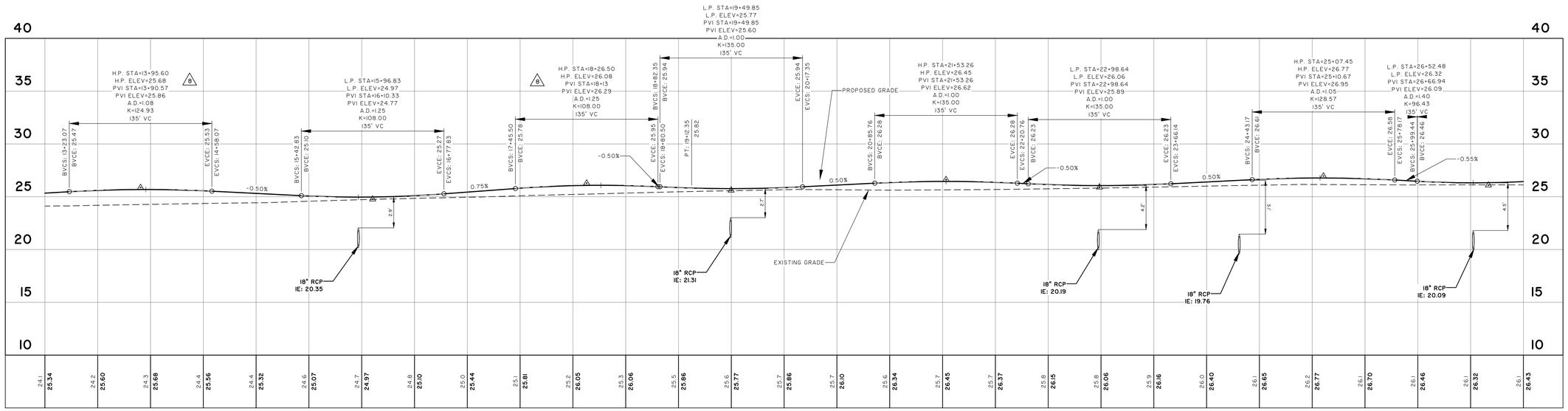
PAVING GRADING AND DRAINAGE PLAN

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	1" = 20'

C3.6



MAY RIVER ROAD
STATIONS: -0+25 – 14+00
SCALE: HORZ.: 1" = 50'
VERT.: 1" = 5'



MAY RIVER ROAD
STATIONS: 13+00 – 27+00
SCALE: HORZ.: 1" = 50'
VERT.: 1" = 5'

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NO.	REVISIONS	BY	DATE
8	REVISED PER SCDOT COMMENTS	MEB	11-30-15

TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

ROAD PROFILES

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	AS NOTED

C3.7

SOUTH CAROLINA PROFESSIONAL ENGINEER 30056 RYAN M. SMITH

BID SET 6-15-2018

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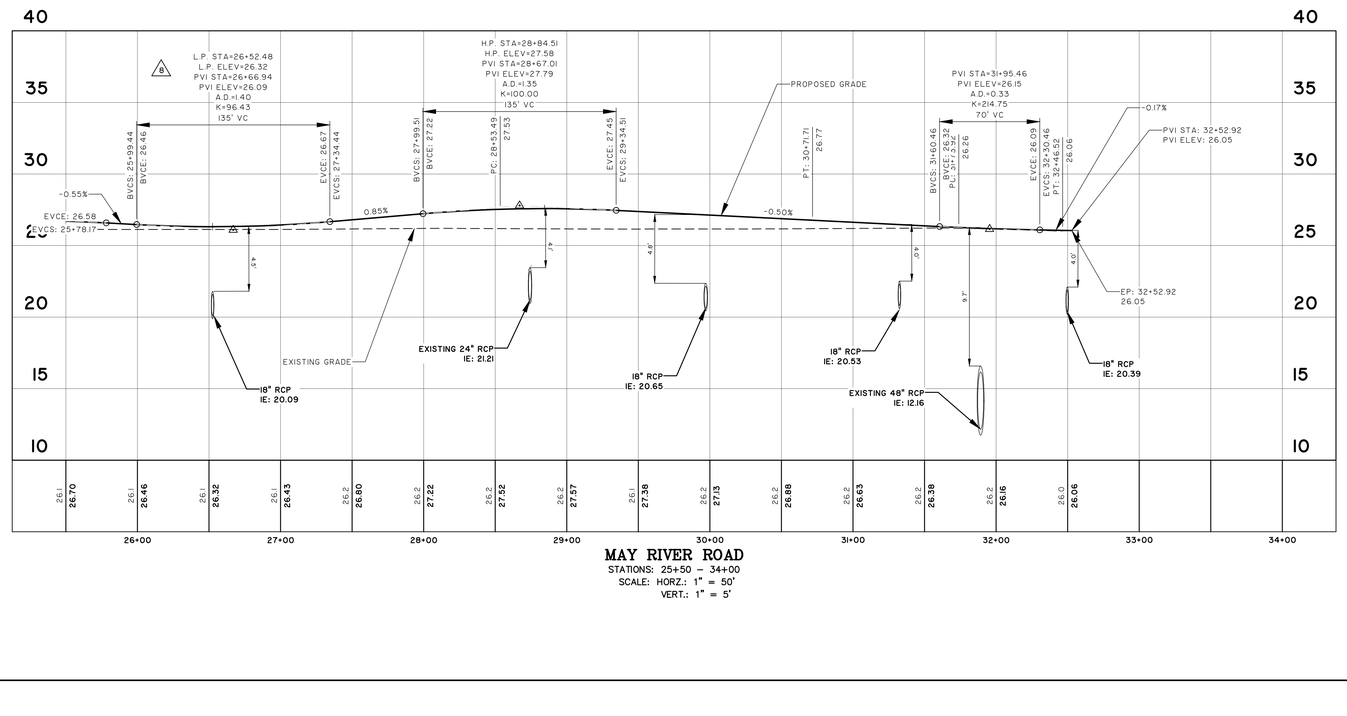

MAY RIVER ROAD

STATIONS: 25+50 – 34+00
SCALE: HORZ.: 1" = 50'
VERT.: 1" = 5'

S:\Town of Bluffton\23039.000\Drawings\Final Design\Construction Sheets\23039 - Road Profiles.dwg - Oct 19, 2015 - 3:30:28 PM

SOUTH CAROLINA PROFESSIONAL ENGINEER — RYAN M. SMITH — 24717 — 6-15-2018

BID SET

NO.	DESCRIPTION	BY	DATE
8	REVISED PER SCDOT COMMENTS	MEB	11-30-15

REVISIONS

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TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

ROAD PROFILES

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	1"=50'

C3.8

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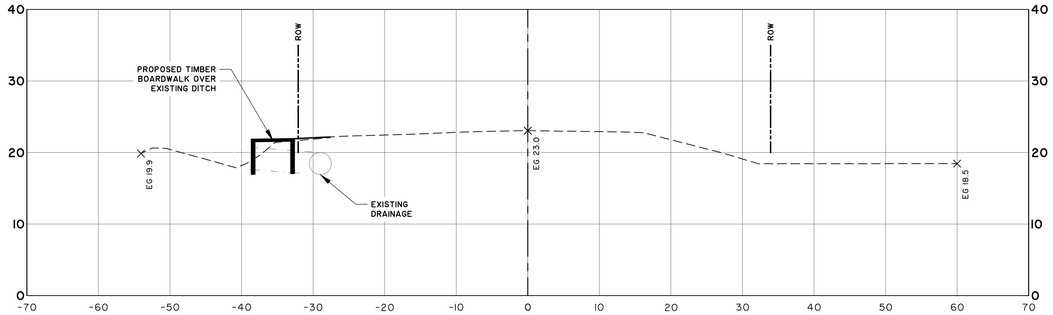

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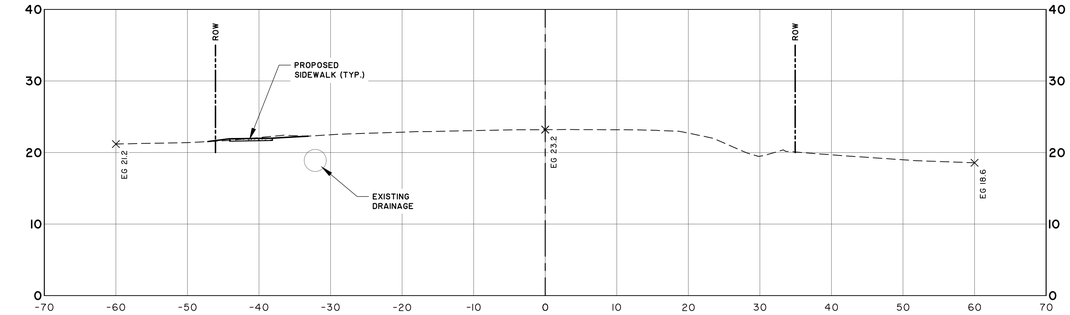

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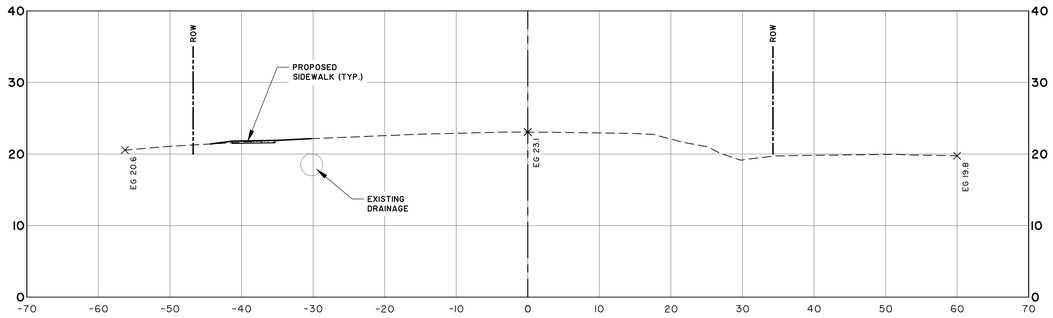

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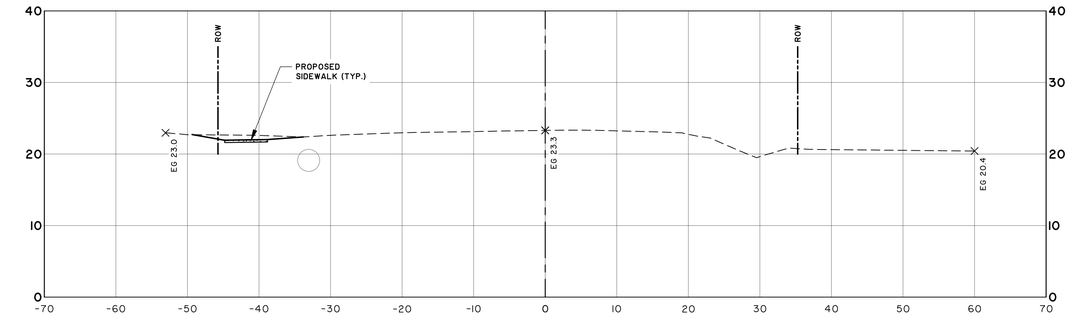

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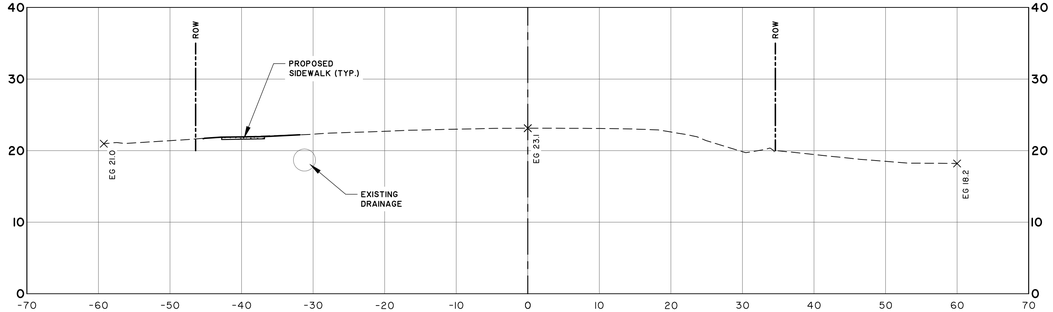

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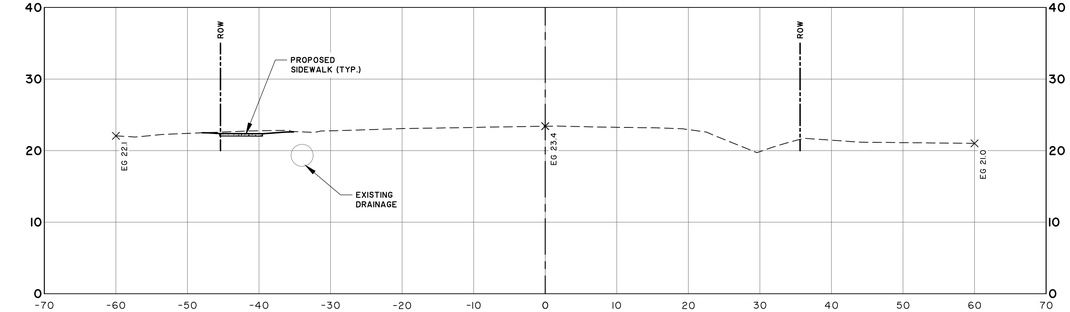

STA: 5+00
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'

*REFER TO PAVING GRADING AND DRAINAGE PLAN FOR CURB RETURN, DRIVEWAY, AND RAIN GARDEN SECTIONS.

SOUTH CAROLINA PROFESSIONAL ENGINEER
RYAN M. SMITH
24717
SOUTH CAROLINA
REGISTERED
ENGINEERING
CORPORATION
THOMAS & HUTTON
BID SET
6-15-2018

NO.	REVISIONS	BY	DATE

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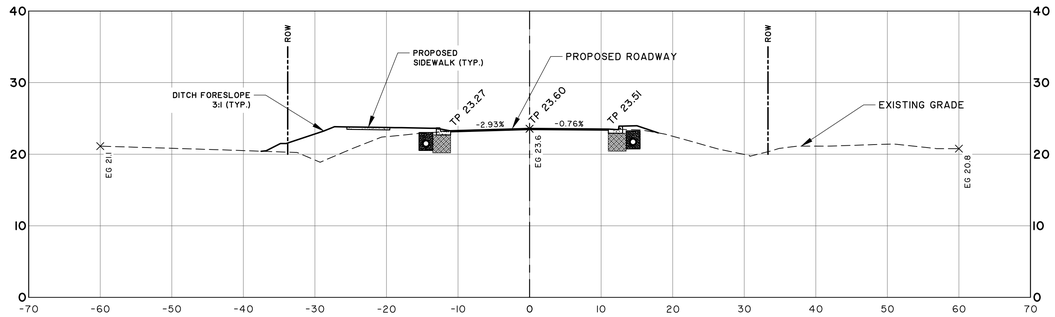
TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

CROSS-SECTIONS

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	AS SHOWN

C3.9



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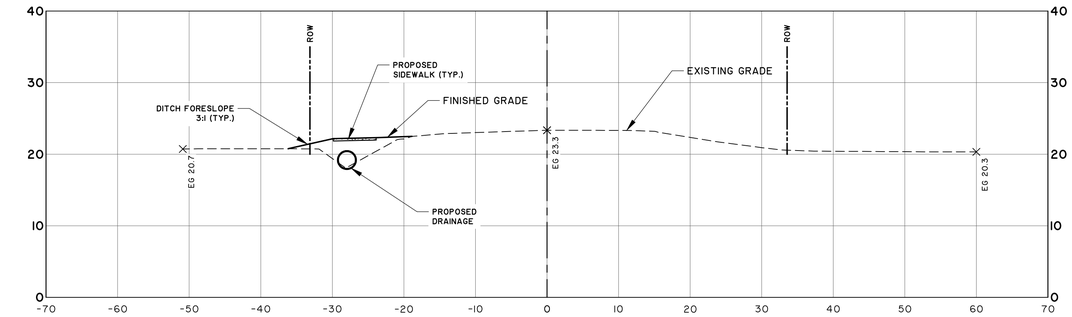

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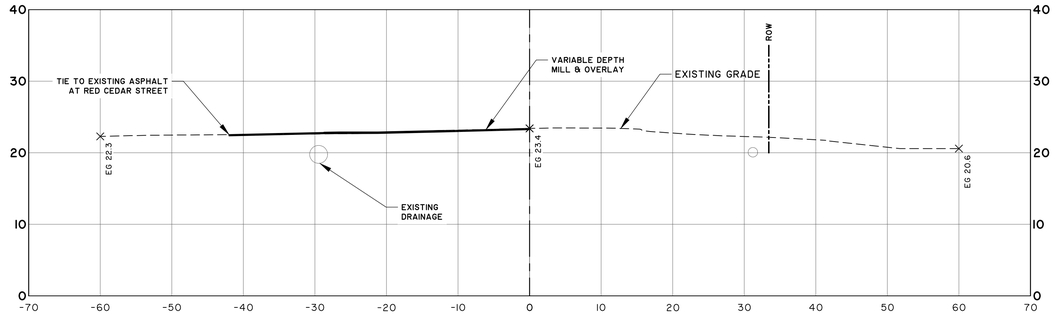

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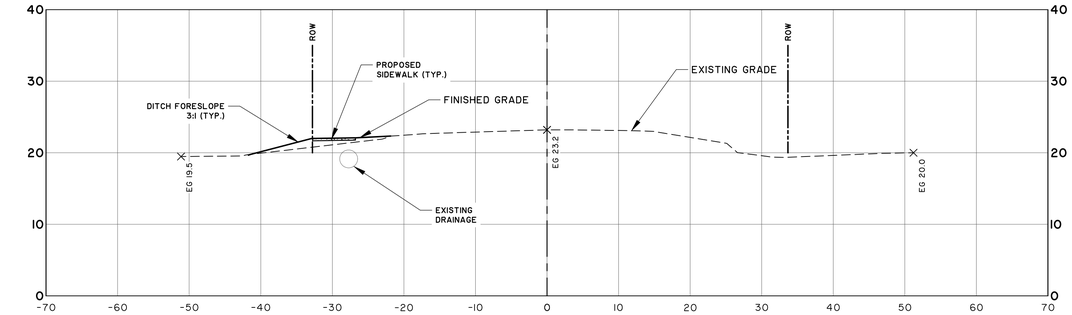

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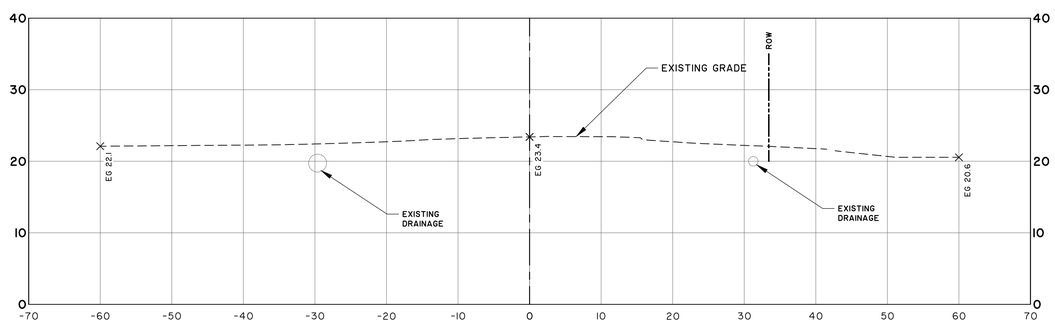

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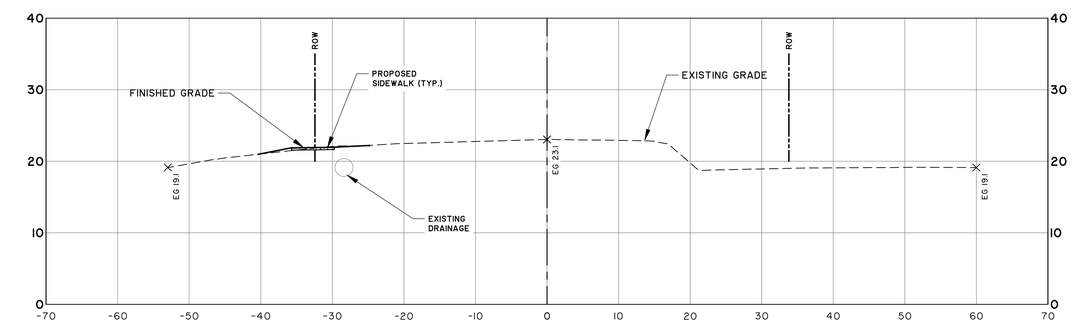

STA: 8+00
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'

*REFER TO PAVING GRADING AND DRAINAGE PLAN FOR CURB RETURN, DRIVEWAY, AND RAIN GARDEN SECTIONS.

SOUTH CAROLINA PROFESSIONAL ENGINEER — RYAN M. SMITH — 30006 — 6-15-2018

BID SET

NO.	REVISIONS	BY	DATE

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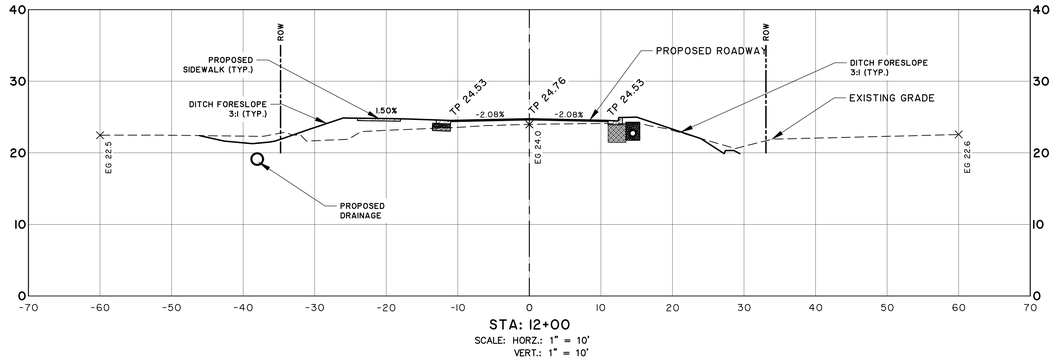
TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

CROSS-SECTIONS

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	AS SHOWN

C3.10



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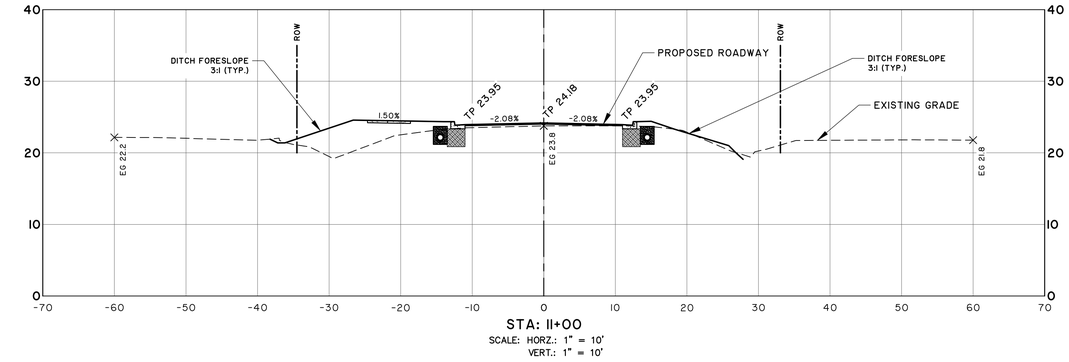

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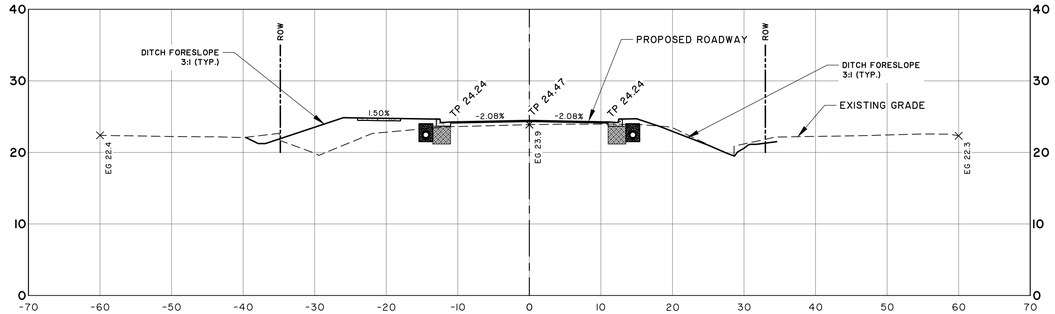

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SCALE: HORZ.: 1" = 10'
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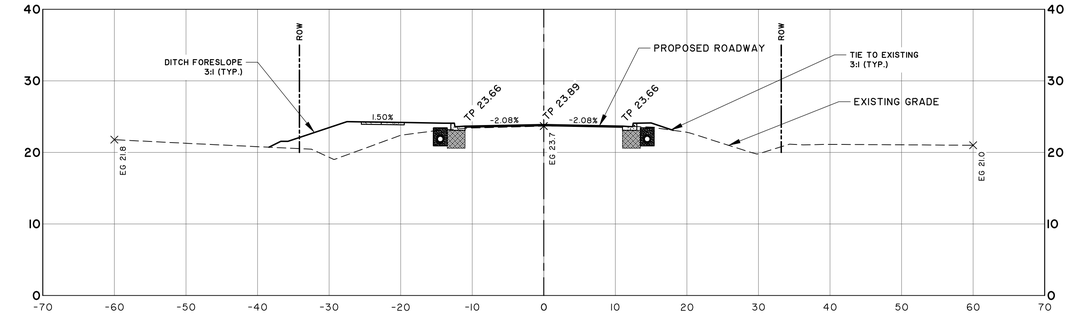

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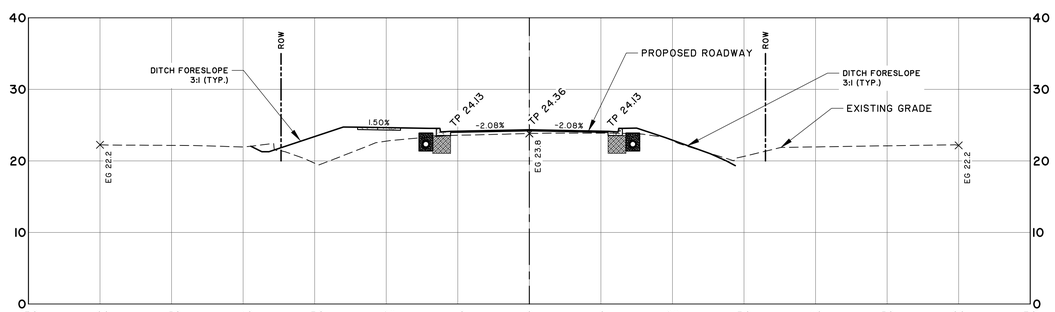

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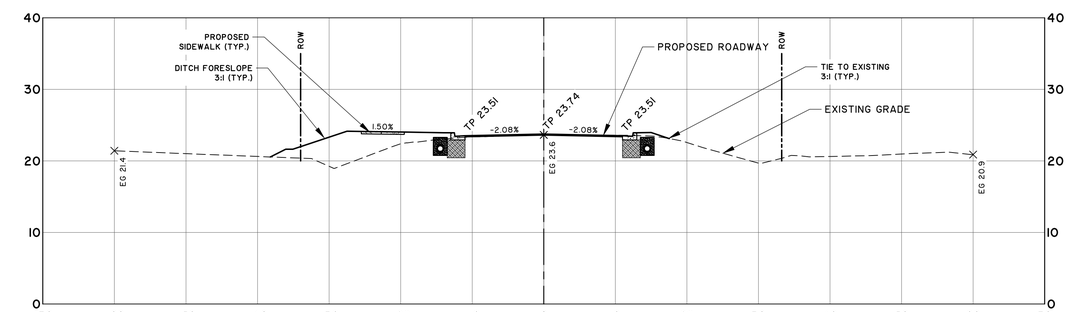

STA: 10+25
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'

*REFER TO PAVING GRADING AND DRAINAGE PLAN FOR CURB RETURN, DRIVEWAY, AND RAIN GARDEN SECTIONS.

SOUTH CAROLINA PROFESSIONAL ENGINEER — RYAN M. KING — 34717 — 6-15-2018

SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION — THOMAS & HUTTON ENGINEERING CO. — C-3096

BID SET 6-15-2018

NO.	REVISIONS	BY	DATE

THOMAS & HUTTON
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Savannah, GA 31402-2727 • 912.234.5300
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TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

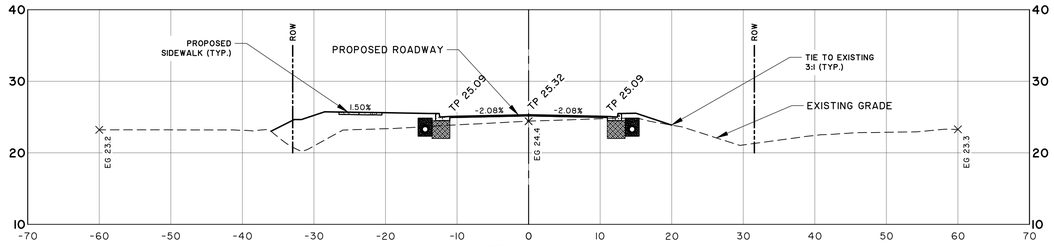
MAY RIVER ROAD IMPROVEMENTS PHASE II

CROSS-SECTIONS

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	AS SHOWN

C3.11

I:\Town of Bluffton\23039\000\Drawings\Final Design\Construction Sheets\23039 - Cross Sections.dwg - Mar 7, 2018 - 8:58:39 AM



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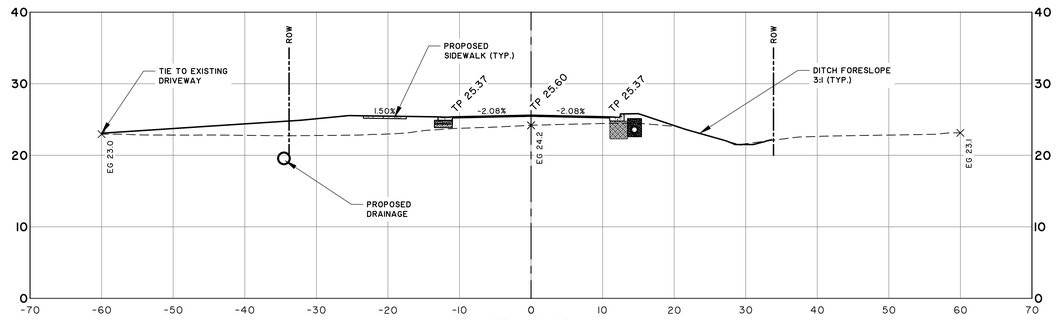

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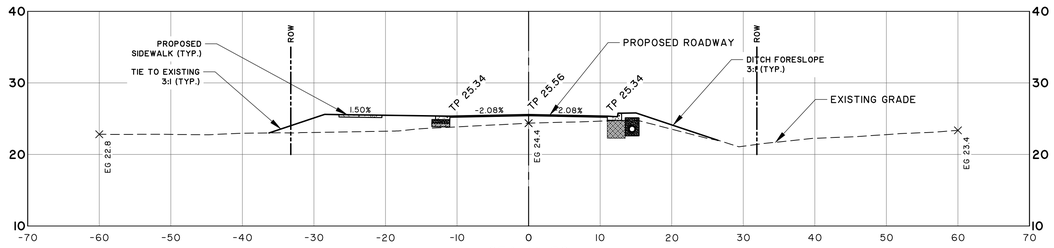
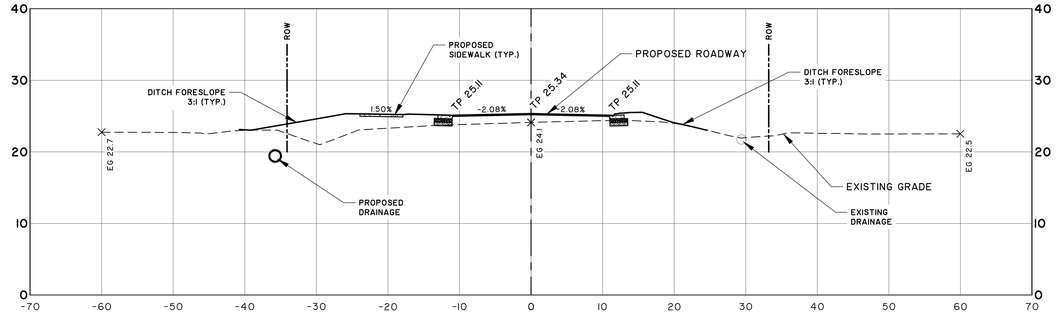
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'



STA: 14+50
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'



STA: 13+00
SCALE: HORZ.: 1" = 10'
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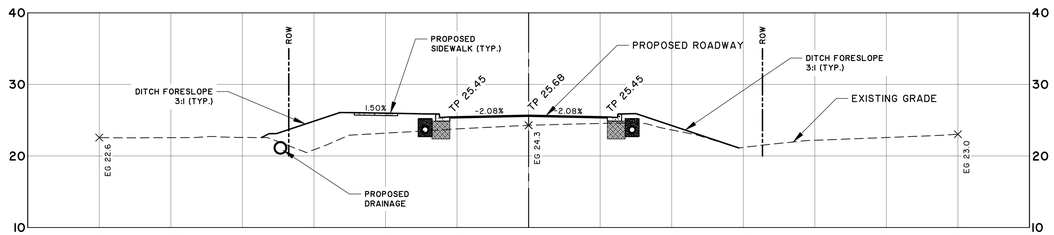

STA: 14+00
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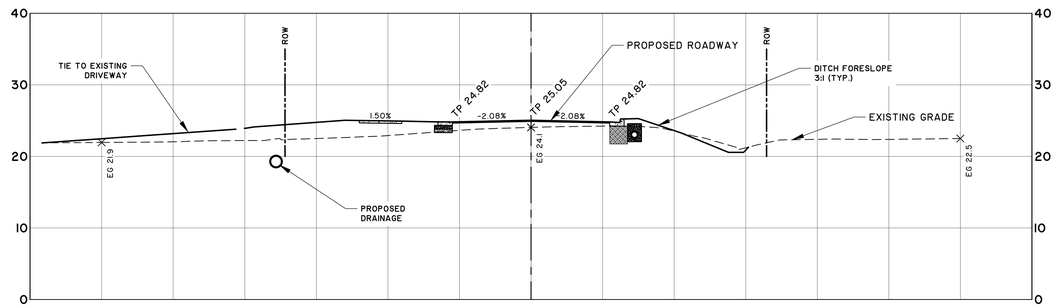

STA: 12+50
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'

*REFER TO PAVING GRADING AND DRAINAGE PLAN FOR CURB RETURN, DRIVEWAY, AND RAIN GARDEN SECTIONS.

SOUTH CAROLINA PROFESSIONAL ENGINEER
RYAN M. SMITH
BID SET
6-15-2016

NO.	REVISIONS	BY	DATE

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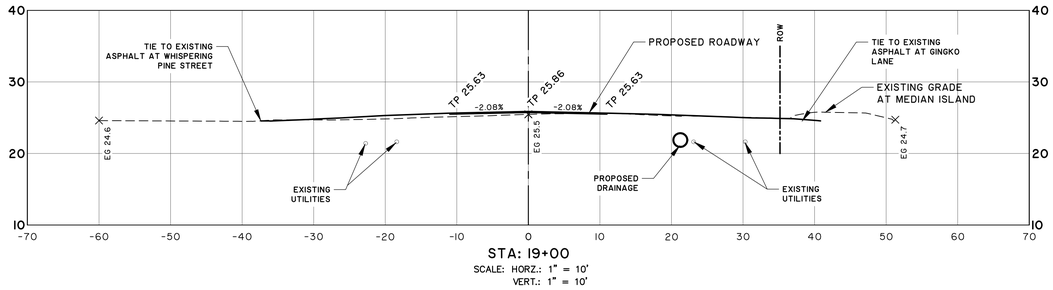
TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

CROSS-SECTIONS

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	AS SHOWN

C3.12



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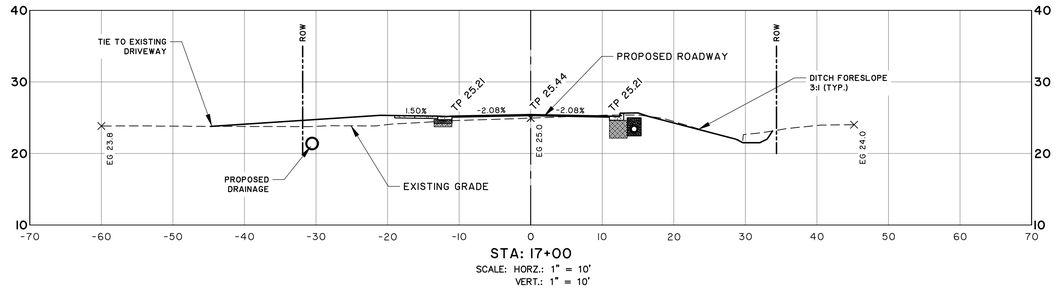
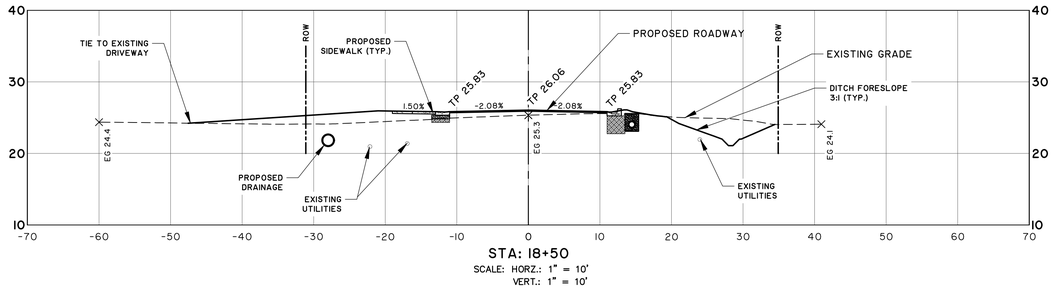


STA: 17+00
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'



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SCALE: HORZ.: 1" = 10'
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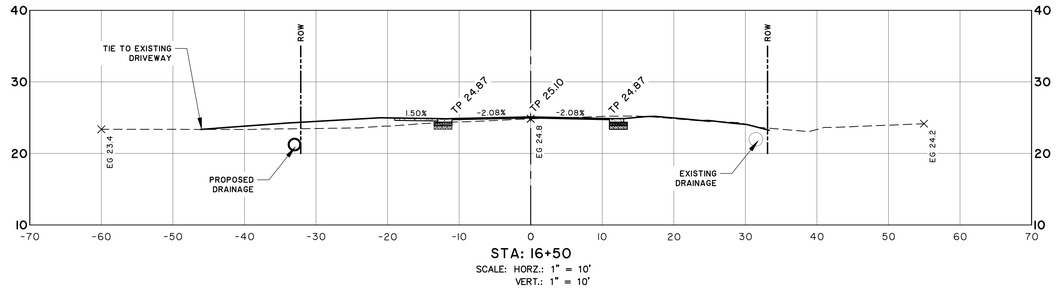

STA: 16+50
SCALE: HORZ.: 1" = 10'
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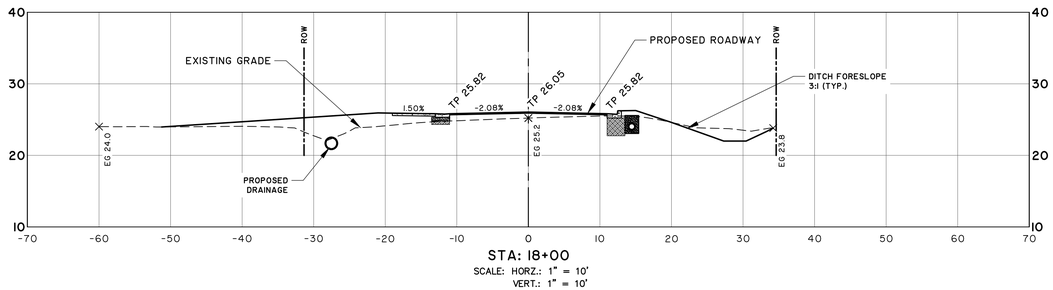

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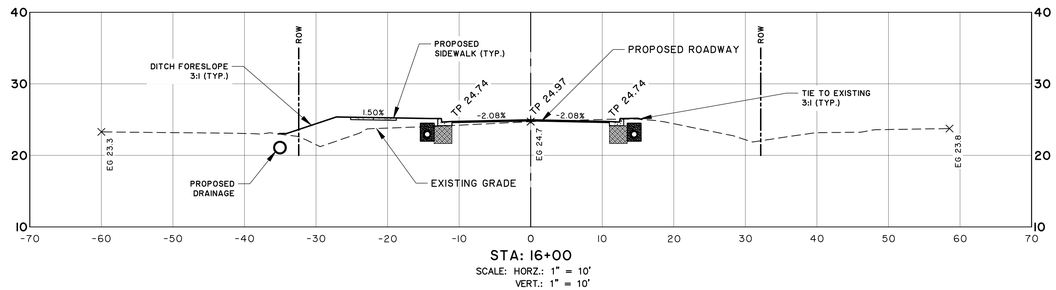

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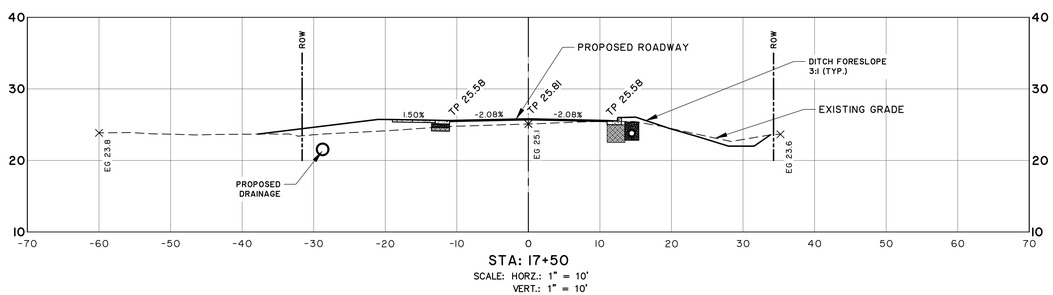

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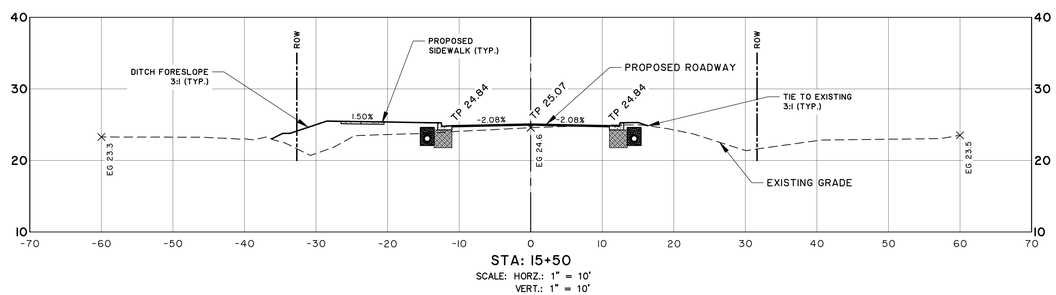

STA: 15+50
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'

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SOUTH CAROLINA PROFESSIONAL ENGINEER — RYAN M. HINO — 34717 — 5/15/2018

BID SET 5-15-2018

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TOWN OF BLUFFTON
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MAY RIVER ROAD IMPROVEMENTS PHASE II

CROSS-SECTIONS

JOB NO:	J-23039
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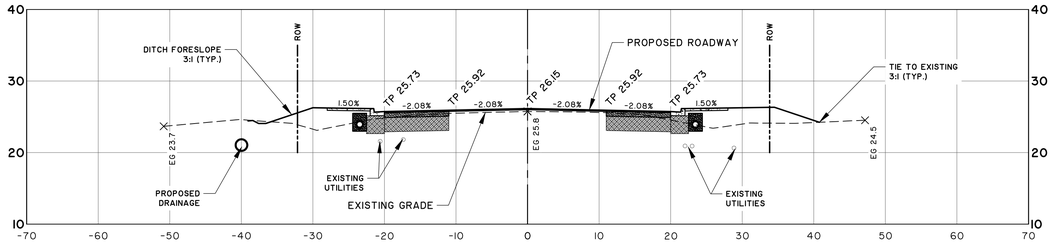
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	AS SHOWN

C3.13

X:\Town of Bluffton\23039\00001\Drawings\Final Design\Construction Sheets\23039 - Cross Sections.dwg - Mar 7, 2018 - 10:58:32 AM



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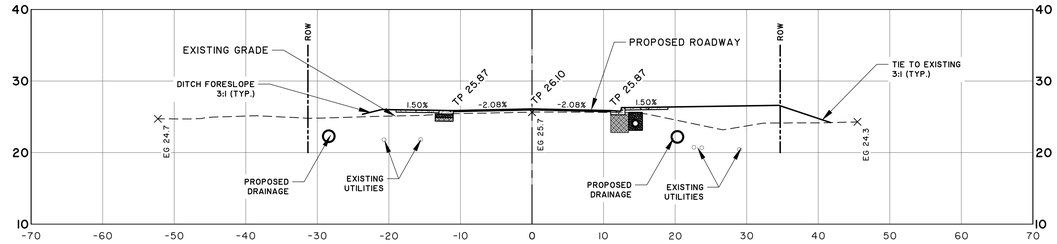
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'



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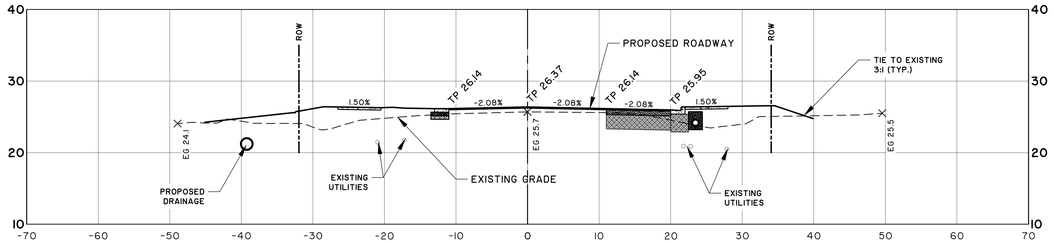

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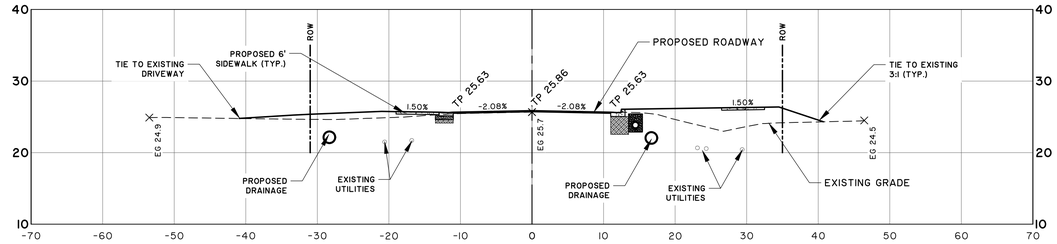

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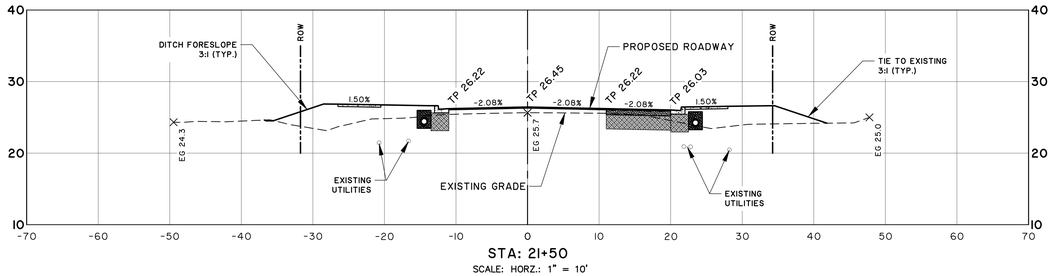

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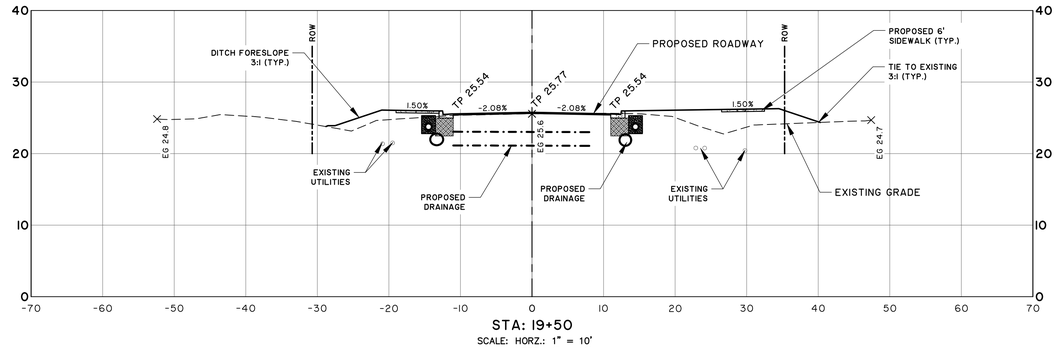

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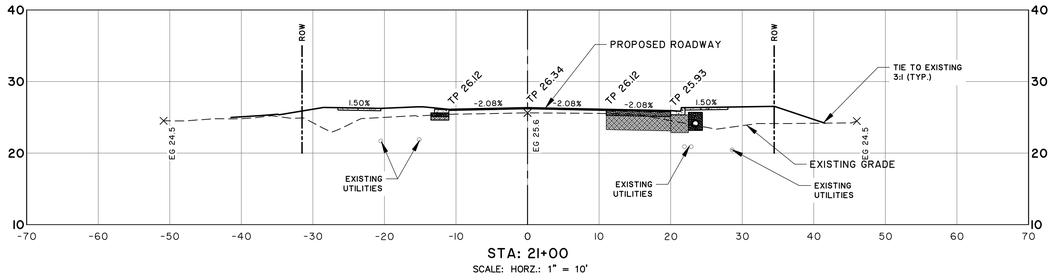

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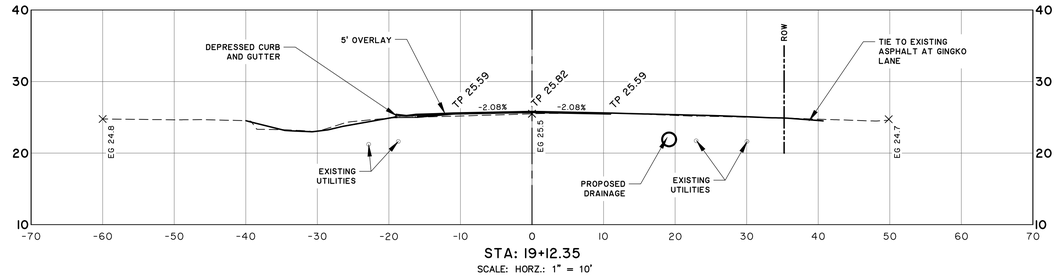

STA: 19+12.35
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'

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SOUTH CAROLINA PROFESSIONAL ENGINEER RYAN M. KING 24717 — 6-15-2018

BID SET

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TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

CROSS-SECTIONS

JOB NO:	J-23039
DATE:	5/16/2011
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DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	AS SHOWN

C3.14

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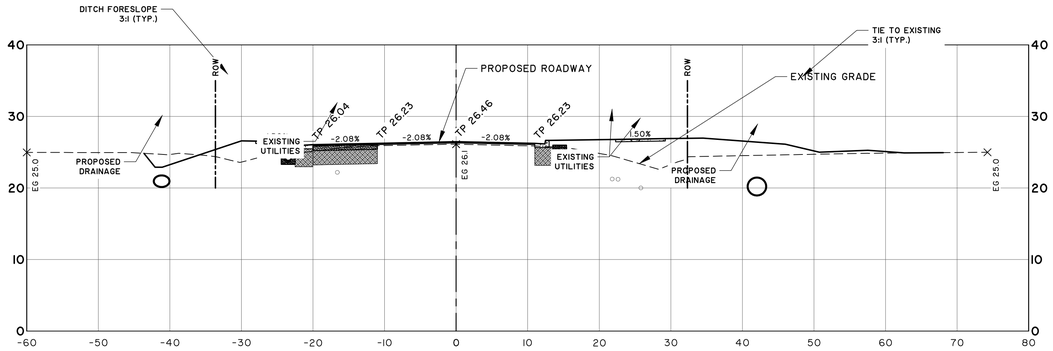

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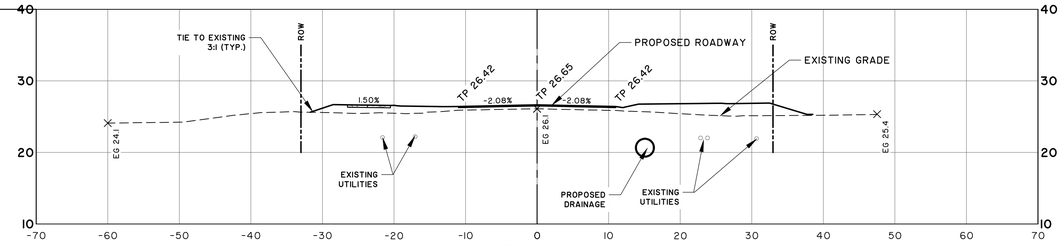

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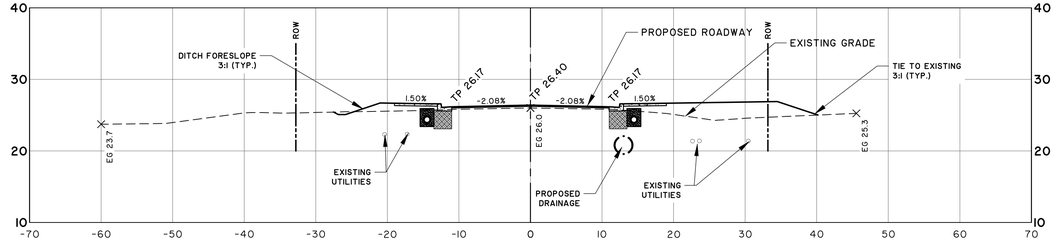

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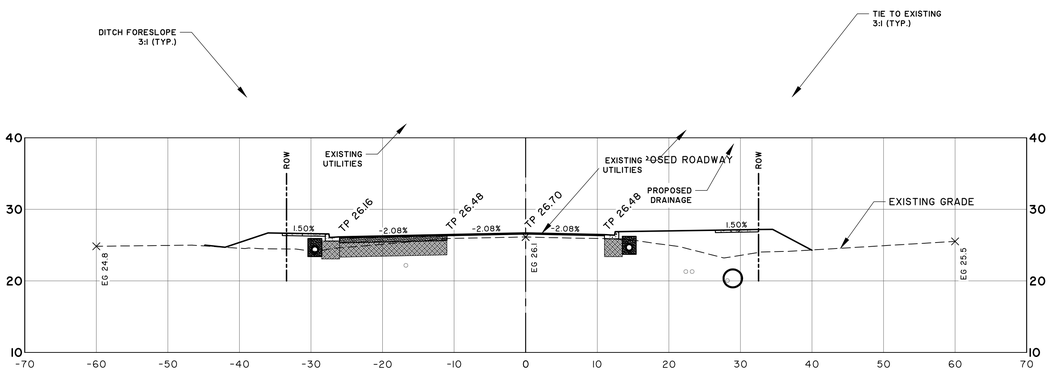

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SCALE: HORZ.: 1" = 10'
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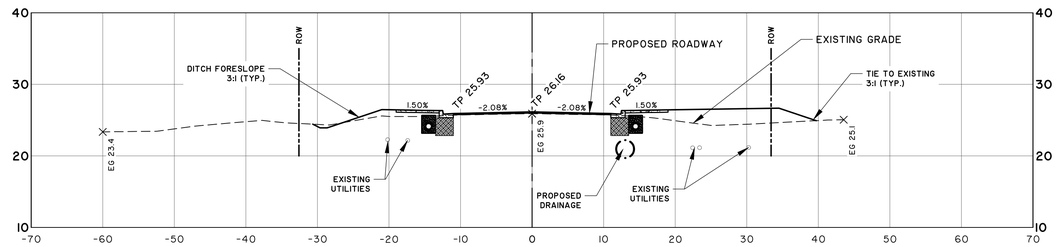

STA: 23+50
SCALE: HORZ.: 1" = 10'
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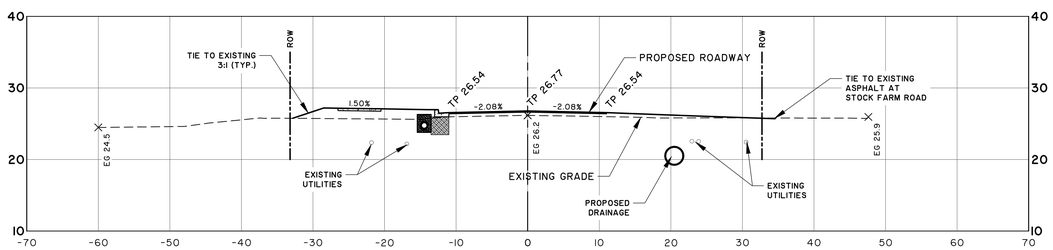

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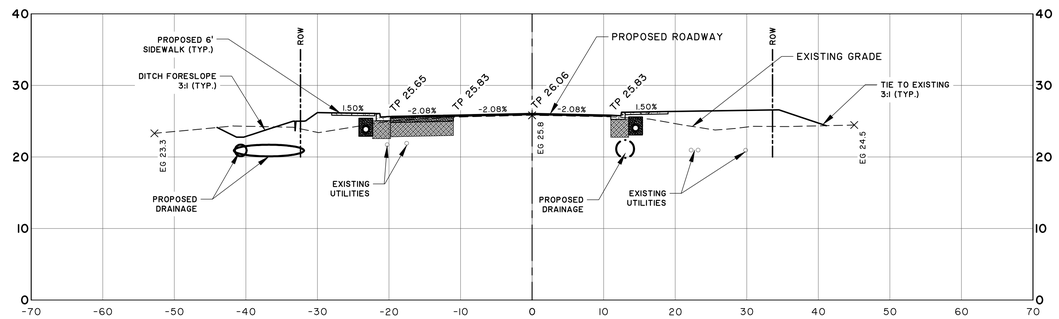

STA: 23+00
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'

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SOUTH CAROLINA PROFESSIONAL ENGINEER
BID SET
RYAN M. SMITH
6-15-2016

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MAY RIVER ROAD IMPROVEMENTS PHASE II

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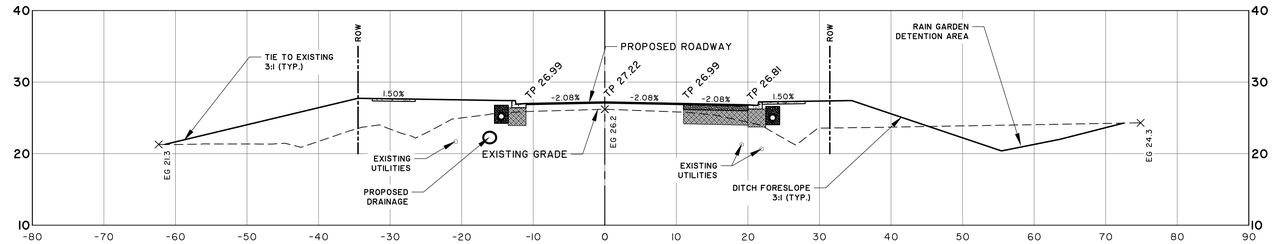
SCALE:	AS SHOWN

C3.15



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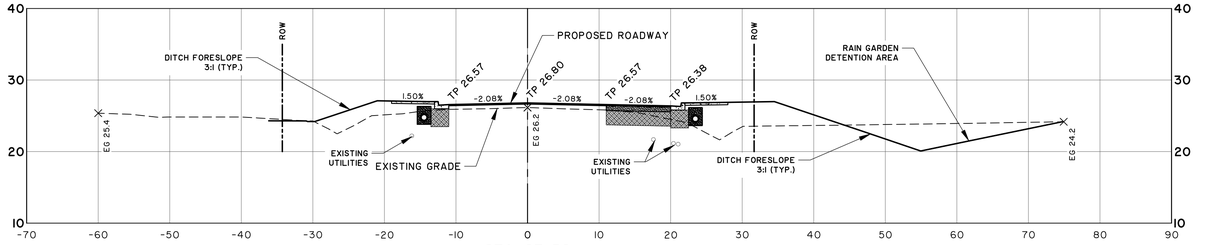

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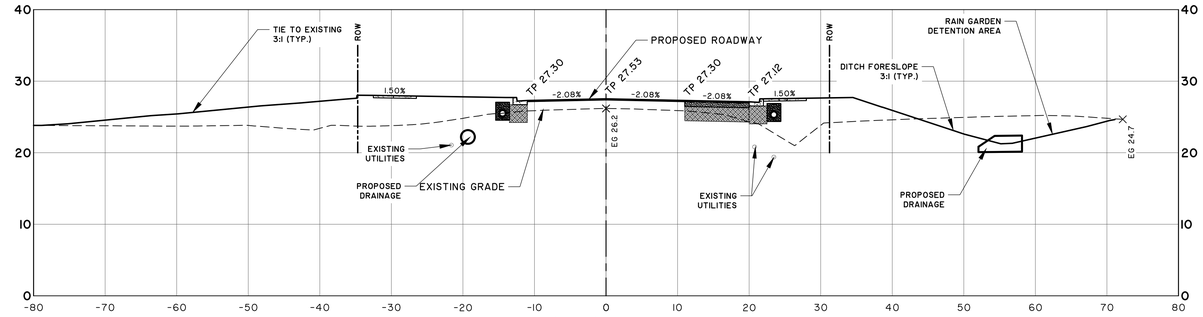

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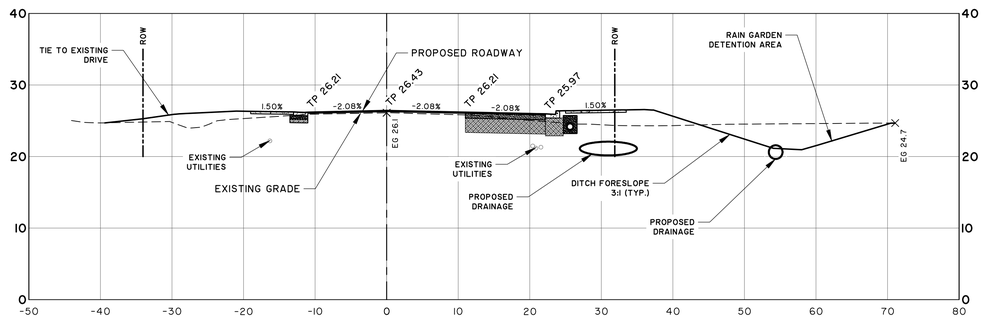

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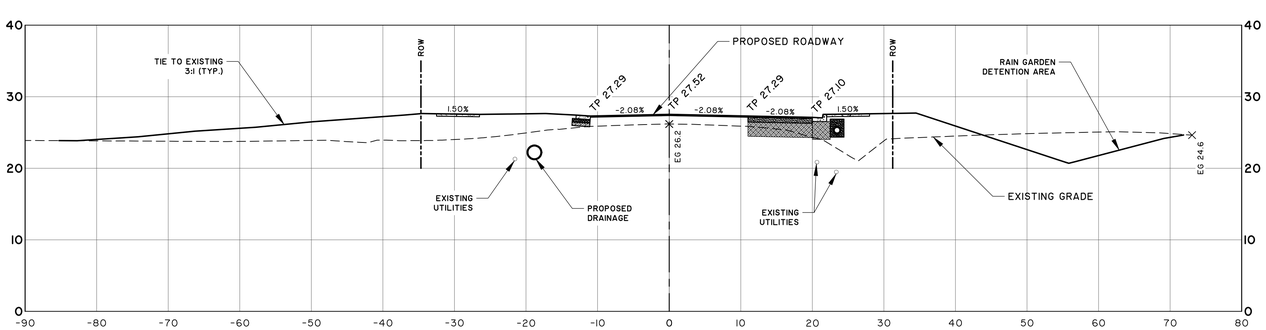

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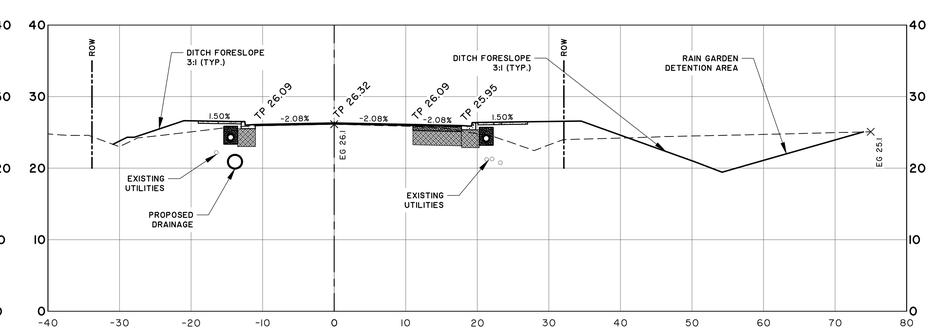

STA: 26+50
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'

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SOUTH CAROLINA PROFESSIONAL ENGINEER
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MAY RIVER ROAD IMPROVEMENTS PHASE II

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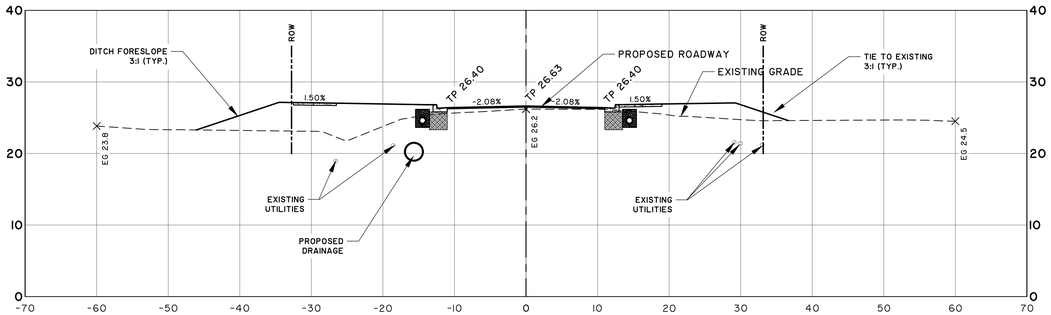
C3.16



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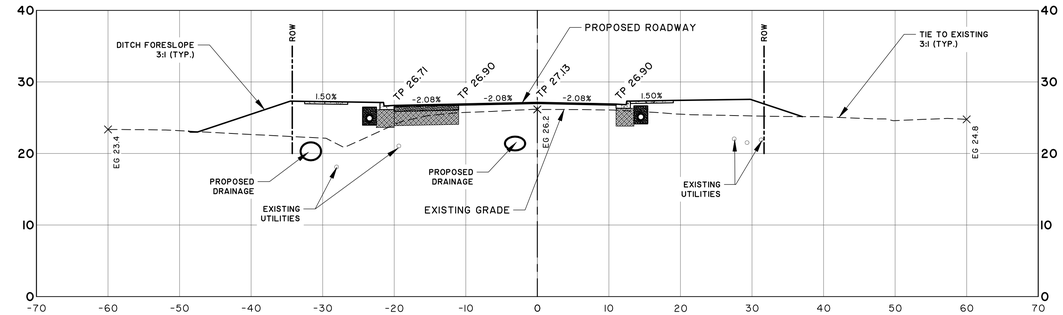

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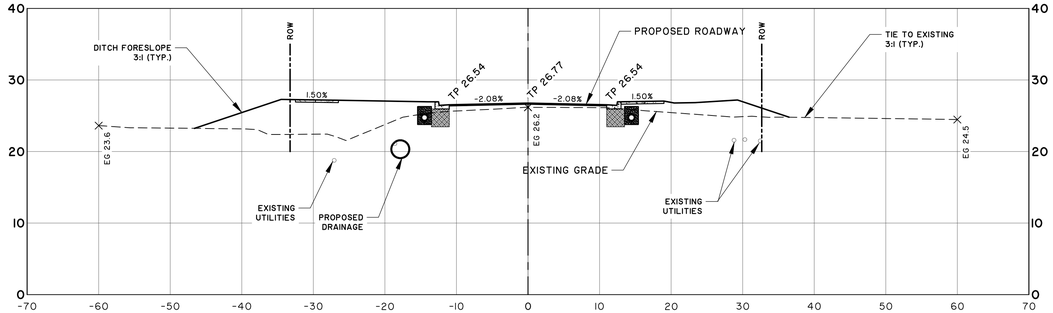

STA: 30+71.71
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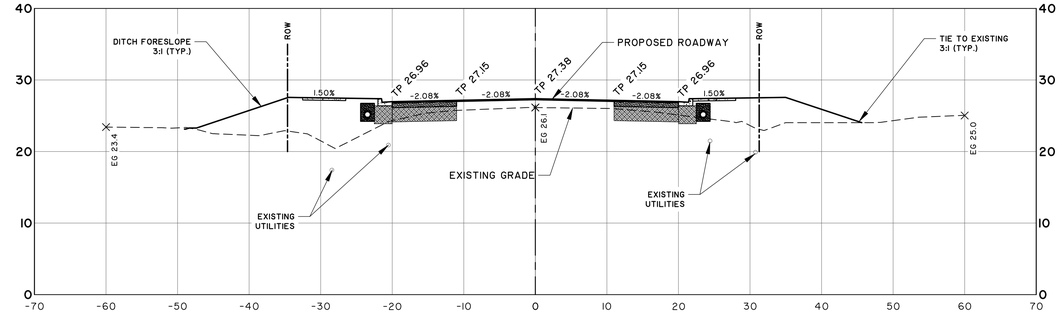

STA: 29+50
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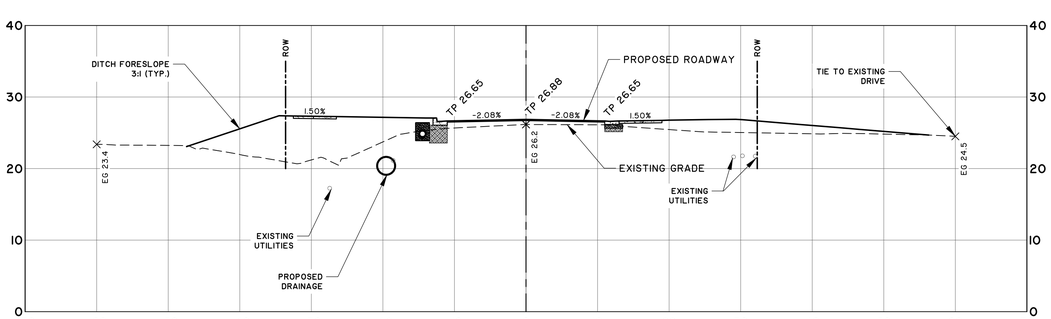

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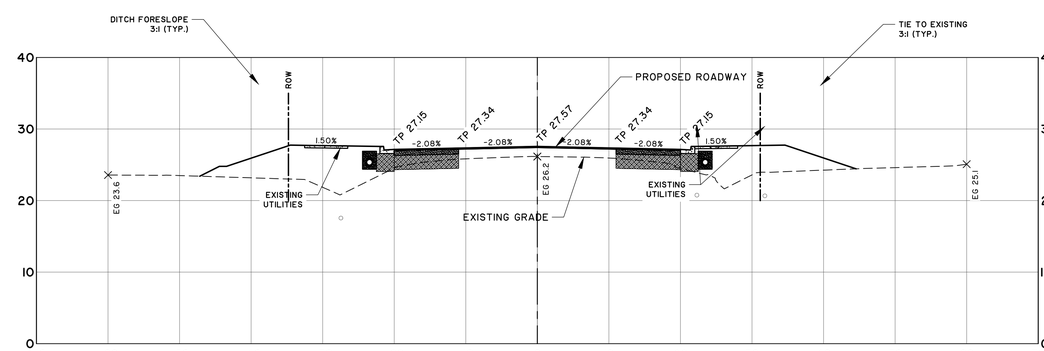

STA: 29+00
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'

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SOUTH CAROLINA PROFESSIONAL ENGINEER
RYAN M. SMITH
BID SET
6-15-2018

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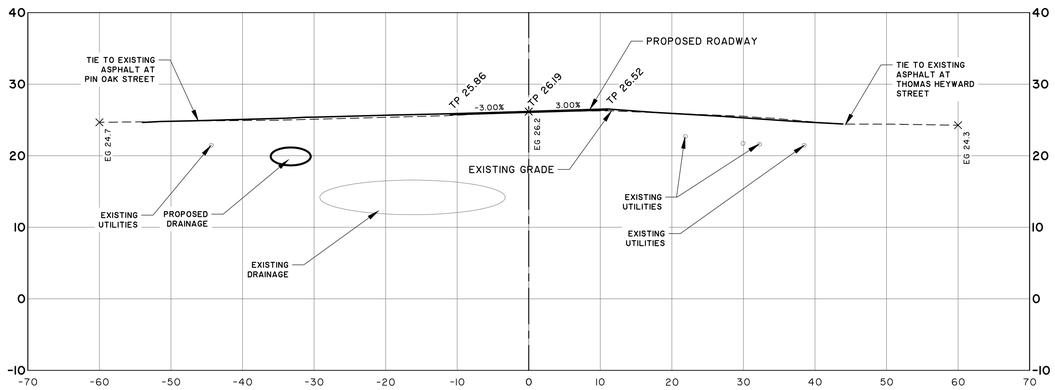
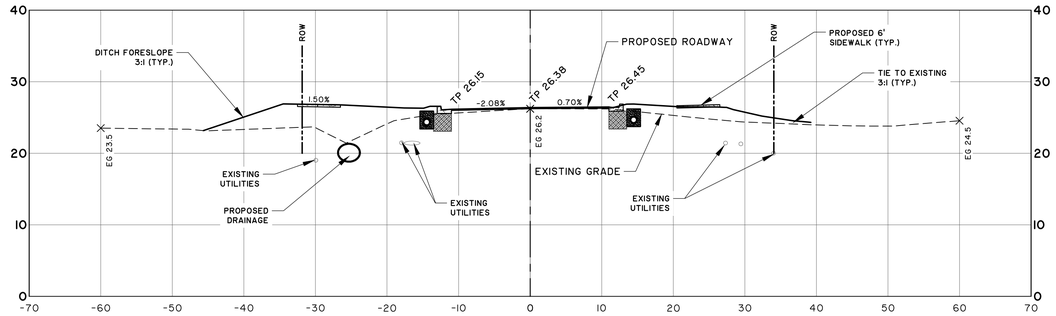
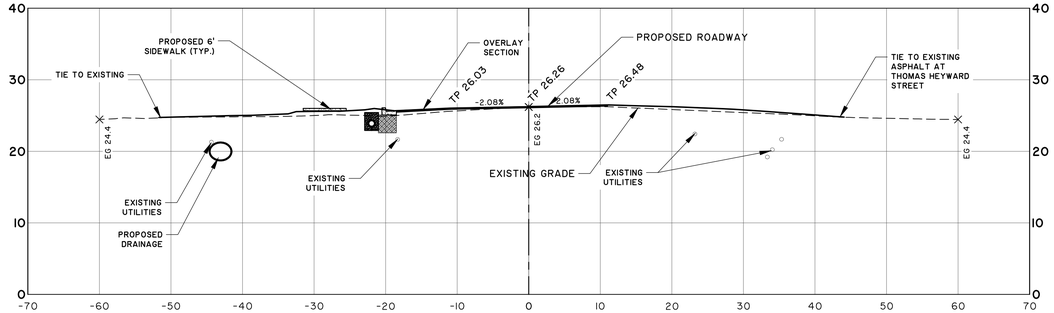
C3.17



STA: 31+92.25
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'



STA: 31+50
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'



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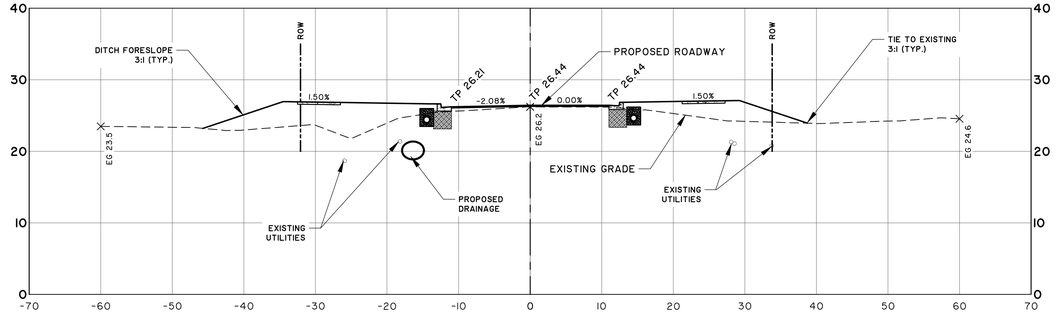

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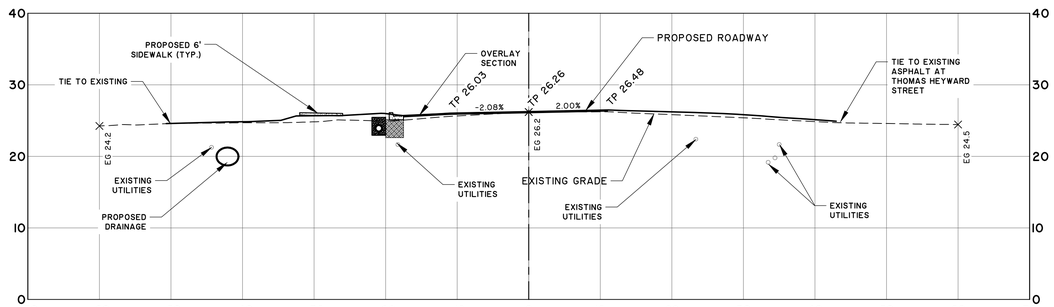

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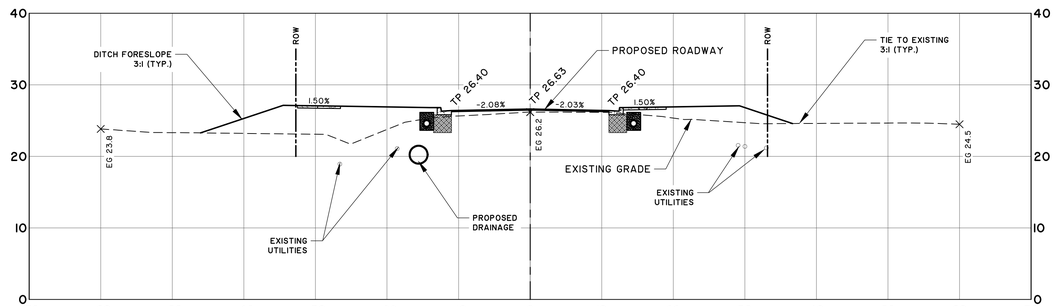

STA: 31+00
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'

*REFER TO PAVING GRADING AND DRAINAGE PLAN FOR CURB RETURN, DRIVEWAY, AND RAIN GARDEN SECTIONS.

SOUTH CAROLINA PROFESSIONAL ENGINEER 30013 RYAN M. SHEA
SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION 3707 THOMAS & HUTTON ENGINEERING CO.
BID SET 6-15-2018

NO.	REVISIONS	BY	DATE

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TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

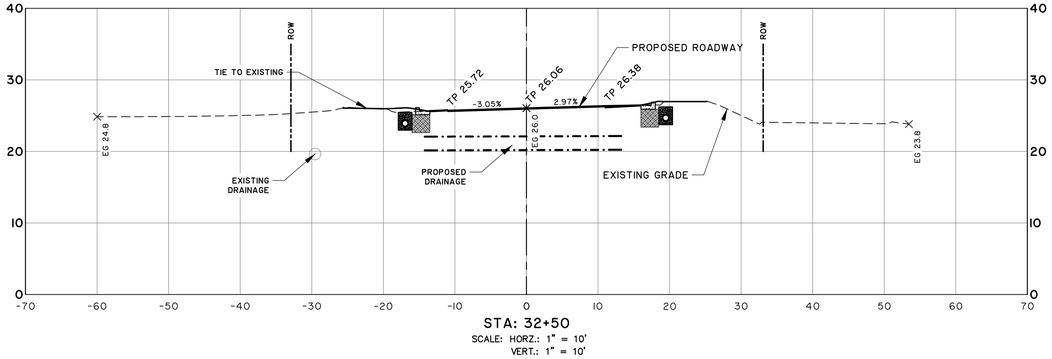
MAY RIVER ROAD IMPROVEMENTS PHASE II

CROSS-SECTIONS

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	MEB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	AS NOTED

C3.18

I:\Client #\Bluffton\23039\23000\Drawings\Final Design\Construction Sheets\23039 - Cross Sections.dwg - Mar 7, 2018 - 10:58:39 AM



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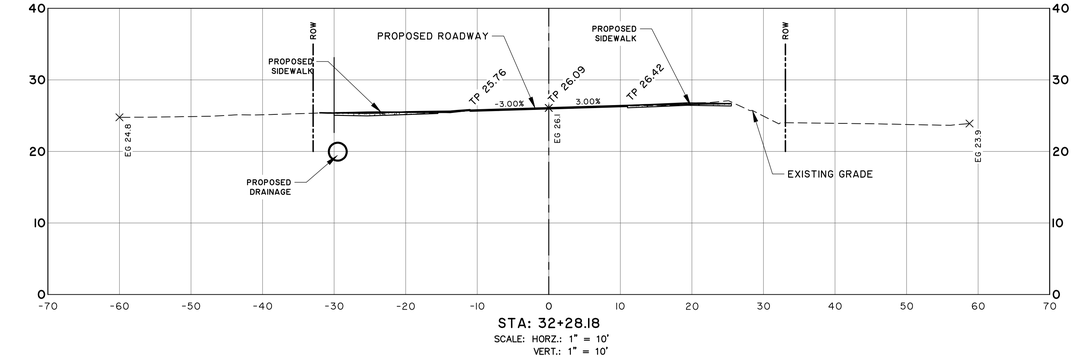
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'



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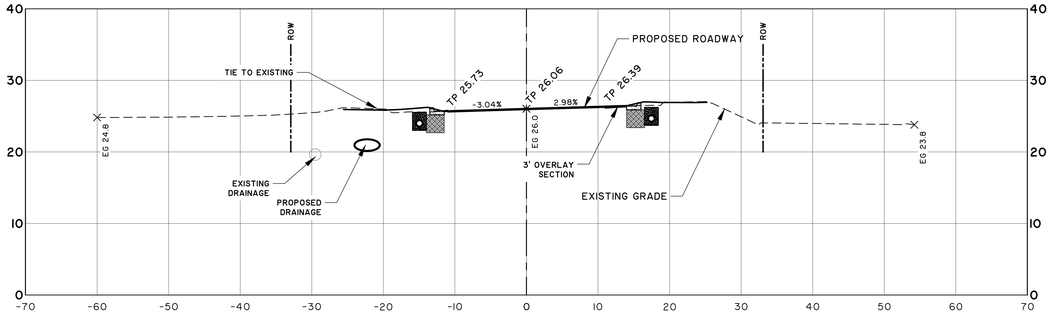

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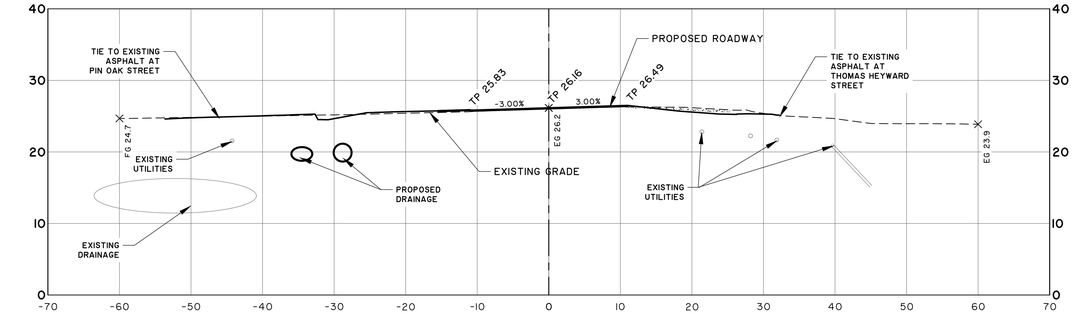
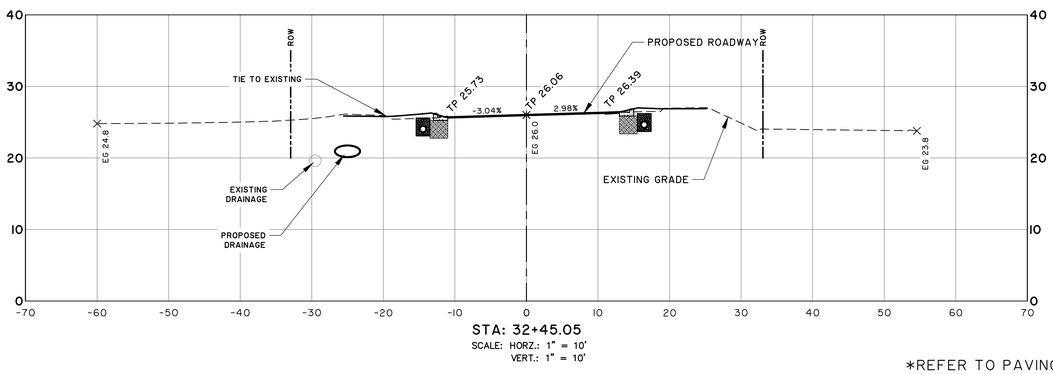
VERT.: 1" = 10'



STA: 32+00
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'



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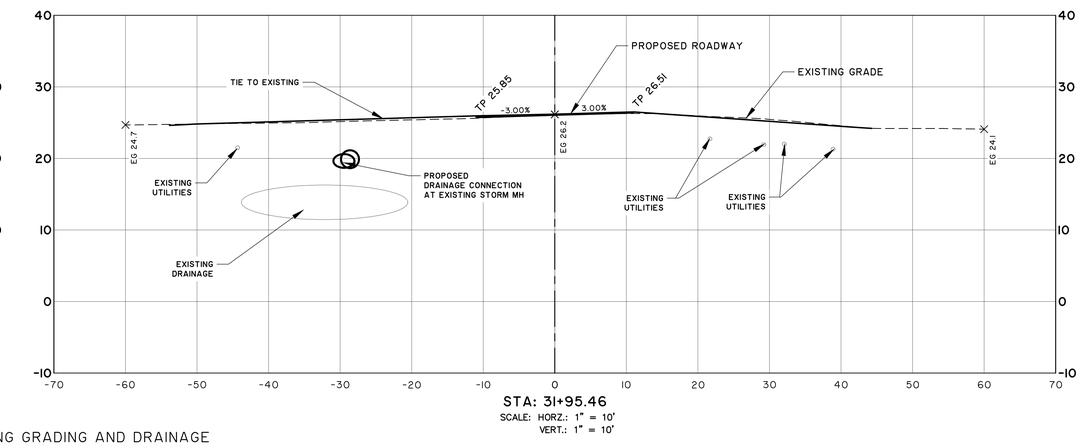

STA: 31+95.46
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'

*REFER TO PAVING GRADING AND DRAINAGE PLAN FOR CURB RETURN, DRIVEWAY, AND RAIN GARDEN SECTIONS.

SOUTH CAROLINA PROFESSIONAL ENGINEER RYAN M. KING 24717 — 5/16/2018

BID SET 6-15-2018

NO.	REVISIONS	BY	DATE

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50 Park of Commerce Way • PO Box 2727
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TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

CROSS-SECTIONS

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	MEB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	AS NOTED

C3.19

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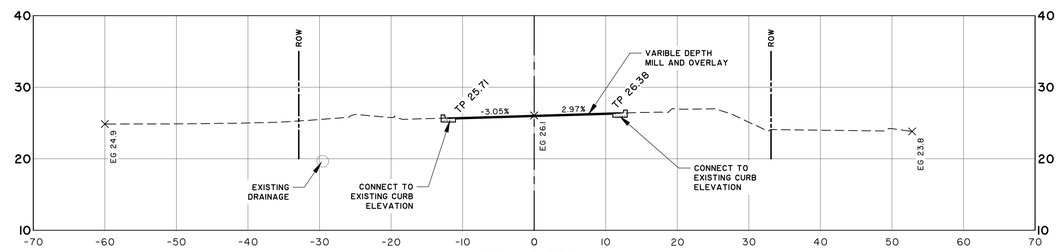

STA: 32+52.92
SCALE: HORZ.: 1" = 10'
VERT.: 1" = 10'

*REFER TO PAVING GRADING AND DRAINAGE PLAN FOR CURB RETURN, DRIVEWAY, AND RAIN GARDEN SECTIONS.

SOUTH CAROLINA PROFESSIONAL ENGINEER
RYAN M. SMITH
SOUTH CAROLINA
BID SET
6-15-2016

NO.	REVISIONS	BY	DATE

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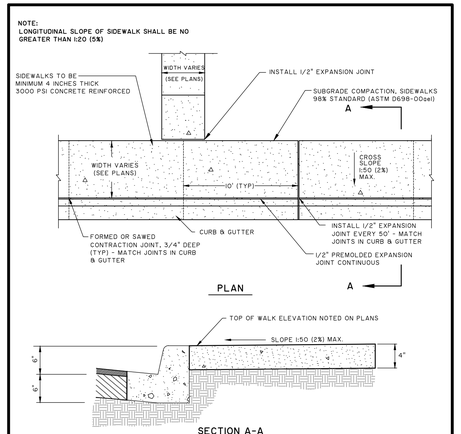
TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

CROSS-SECTIONS

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	MEB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	AS NOTED

C3.20

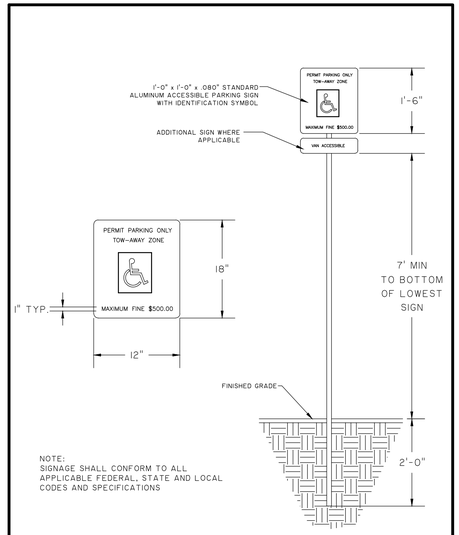


NOTES:
1. ALL CONSTRUCTION SHALL CONFORM TO THE TECHNICAL SPECIFICATIONS INCLUDING, BUT NOT LIMITED TO, SECTION 02200 - EARTHWORK AND SECTION 03300 - CAST-IN-PLACE CONCRETE.
2. CONTRACTION JOINTS SHOULD BE FORMED OR SAWED COINCIDENT WITH THE 10' JOINTS IN THE CURB.
3. CURB RAMPS SHALL BE INSTALLED AT EACH INTERSECTION OR DESIGNATED CROSSWALK LOCATION AND MUST MEET THE MOST CURRENT ADA STANDARDS AND SPECIFICATIONS AT THE TIME OF CONSTRUCTION.
4. ON ACCESSIBLE ROUTES WHERE SIDEWALK IS LESS THAN 5' WIDE, PASSING SPACES AT LEAST 5'X5' SHALL BE LOCATED AT REASONABLE INTERVALS NOT TO EXCEED 200'.

ACCESSIBLE SIDEWALK DETAIL

NOT TO SCALE

A5.1
FEB. 2009
THOMAS & HUTTON ENGINEERING CO.



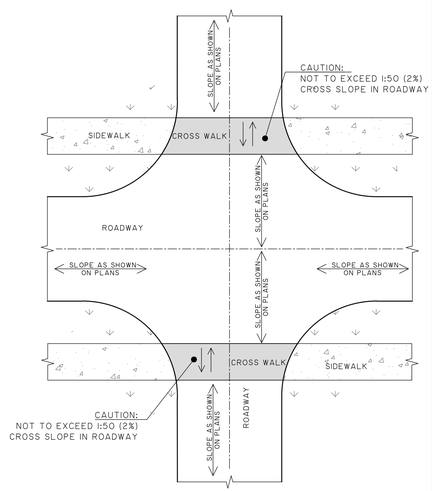
NOTE:
SIGNAGE SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES AND SPECIFICATIONS

ACCESSIBLE PARKING SIGN DETAIL

NOT TO SCALE

A4.1
FEB. 2009
THOMAS & HUTTON ENGINEERING CO.

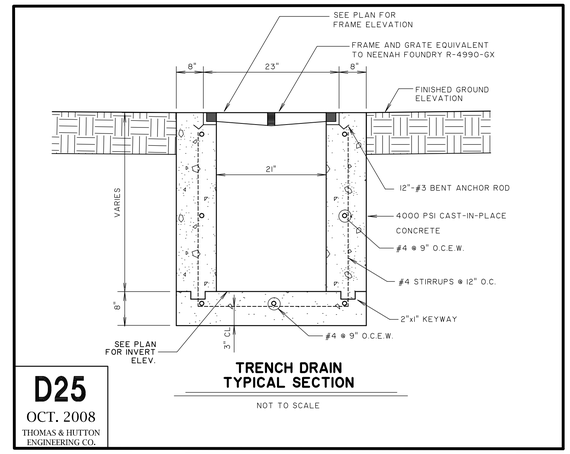
NOTE:
ALL SIDEWALKS TO MEET ADA STANDARDS



ROAD GRADING AT PEDESTRIAN CROSSING ON ACCESSIBLE ROUTE

NOT TO SCALE

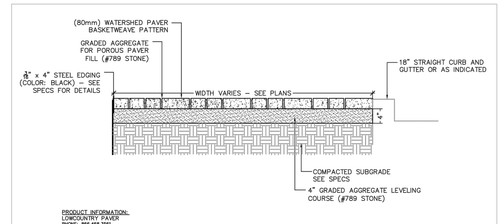
A6.2
FEB. 2009
THOMAS & HUTTON ENGINEERING CO.



TRENCH DRAIN TYPICAL SECTION

NOT TO SCALE

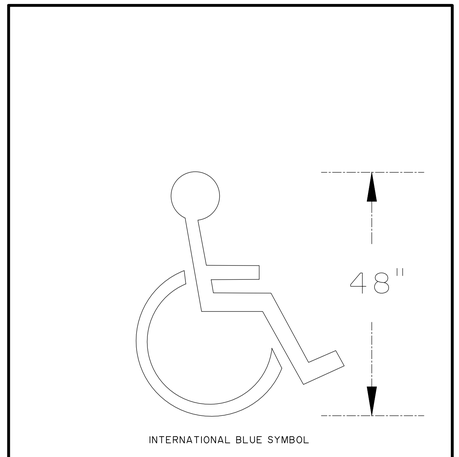
D25
OCT. 2008
THOMAS & HUTTON ENGINEERING CO.



PRODUCT INFORMATION:
LOWCOUNTRY PAVER
MANUFACTURER: 866.906.7681
PAVER SIZE: 3.94"x7.87"x3.15"
STYLE: WATERSHED
COLOR:
SEE MANUFACTURER DETAILS AND SPECIFICATIONS FOR INSTALLATION

POROUS PAVER SIDEWALK

NOT TO SCALE

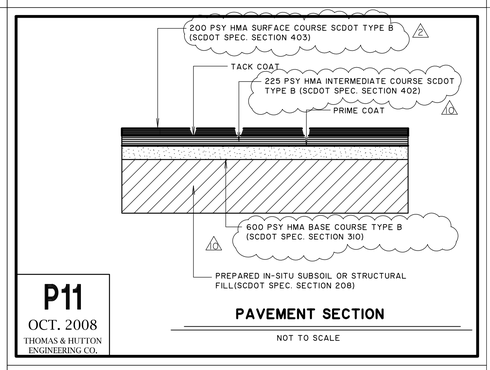


INTERNATIONAL BLUE SYMBOL

HANDICAP PARKING SYMBOL

NOT TO SCALE

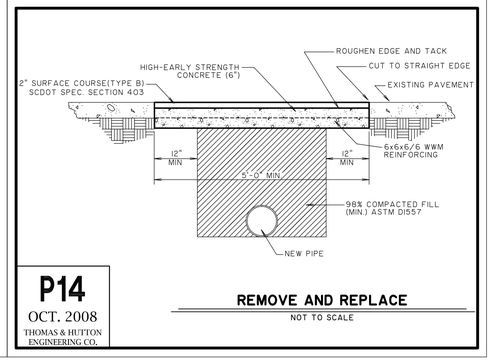
A3.1
FEB. 2009
THOMAS & HUTTON ENGINEERING CO.



PAVEMENT SECTION

NOT TO SCALE

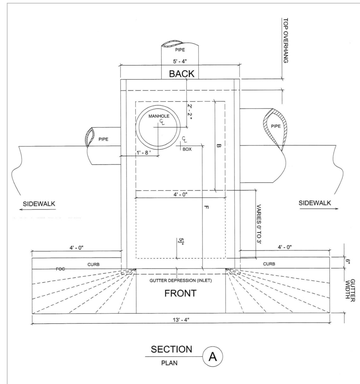
P11
OCT. 2008
THOMAS & HUTTON ENGINEERING CO.



REMOVE AND REPLACE

NOT TO SCALE

P14
OCT. 2008
THOMAS & HUTTON ENGINEERING CO.



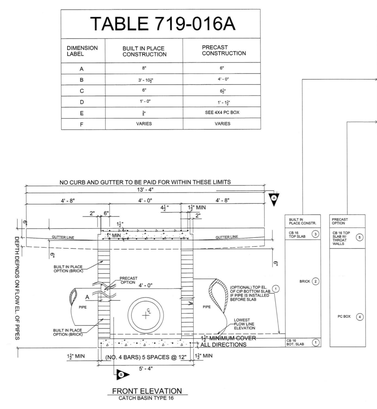


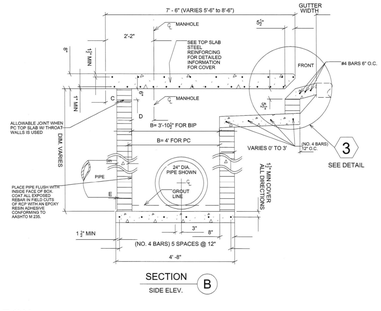
TABLE 719-016A		
DIMENSION LABEL	BUILT IN PLACE CONSTRUCTION	PRECAST CONSTRUCTION
A	8"	8"
B	3'-10"	4'-1"
C	6"	10"
D	1'-2"	1'-10"
E	7"	SEE 44 PC BOX
F	VARIES	VARIES

CONTRACTOR MAY USE A COMBINATION OF BUILT IN PLACE AND PRECAST COMPONENTS AS APPROVED BY THE RESIDENT

SEE QUALIFIED PRODUCT LIST 14 FOR MANUFACTURERS OF PRECAST ITEMS.

BUILT IN PLACE
1. CB 16 BOTTOM SLAB (PC OR CIP CONCRETE)
AND
2. BRICK WALLS (8") (MAXIMUM 12' DEPTH)
AND
3. PC CB 16 TOP SLAB

PRECAST
4. PC DRAINAGE BOX CONFORMING TO 719-305-00 OR 719-310-00 (4'XX'__) (MAX 12' DEPTH)
AND
5. CB 16 TOP SLAB WITH THROAT WALLS



NOTES:

TYPE 16 CATCH BASIN WITH MODIFIED BOX:

THE TYPE 16 CATCH BASIN WITH MODIFIED BOX SHALL BE CONSTRUCTED IN ACCORDANCE WITH SCDOT STANDARD DRAWING 719-016-01 AND 719-016-02 EXCEPT AS SHOWN IN THIS TYPICAL.

THE CONTRACT UNIT PRICE FOR TYPE 16 CATCH BASIN WITH MODIFIED BOX SHALL INCLUDE THE COST OF FURNISHING ALL MATERIALS AND WORK INCIDENTAL TO THE CONSTRUCTION OF THE CATCH BASIN COMPLETE IN PLACE AS SHOWN IN ACCORDANCE WITH SCDOT STANDARD DRAWINGS, THIS TYPICAL, AND THE DRAINAGE PLANS.

THE PAY ITEM SHALL BE:
TYPE 16 CATCH BASIN WITH MODIFIED BOX NO. (1) _____ EA

TYPE 16 CURB INLET W/ MODIFIED BOX

NOT TO SCALE

NO.	REVISIONS	BY	DATE
13	REVISED PER TOWN OF BLUFFTON COMMENTS	MEB	5-17-16
10	REVISED PER SCDOT COMMENTS	MEB	2-25-16
2	REVISED PER SCDOT COMMENTS	MCS	4-25-12

SOUTH CAROLINA PROFESSIONAL ENGINEER 24717 RYAN M. SHEELY
BID SET
8-15-2018

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TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

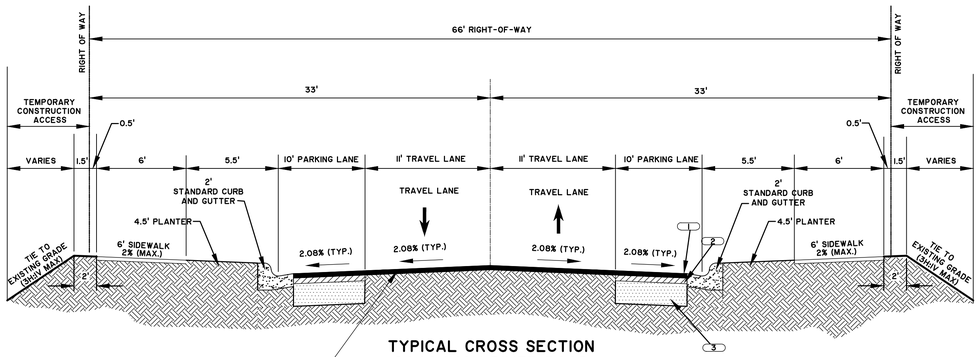
PAVING GRADING AND DRAINAGE DETAILS

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	NOT TO SCALE

C3.21

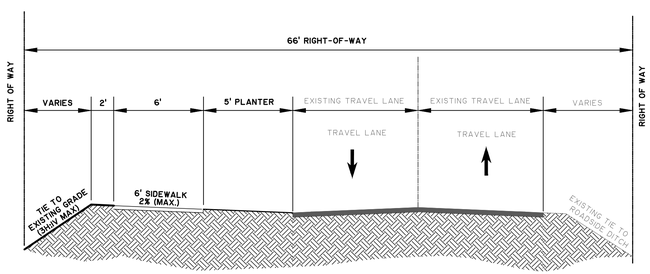
SCDOT STANDARD DETAIL LIST:

203-905-00 - EXCAVATION ASSOCIATED WORK (MAILBOX PLACEMENT) ⚠
651-115-01/02/03/04/05 - STANDARD SIGNS ⚠
625-305-00 - STANDARD MARKINGS FOR INTERSECTIONS ⚠
720-105-01 - CURB & GUTTER(CONCRETE)
720-105-02 - CURB & GUTTER(CONCRETE) TRANSITION CURB
720-405/410/415 - DRIVEWAY WITH SIDEWALK ADJACENT TO CURB
720-952-11/36 - DETECTABLE WARNING DETAIL AND GENERAL LAYOUT ⚠
720-905-01/02 - CURB & GUTTER AND SIDEWALK RAMPS WITH DETECTABLE WARNING FOR PEDESTRIANS ⚠
720-910-01/02 - DETECTABLE WARNING INSTALLATION
714-005-00 - PIPE CULVERTS
719-001-01 - CATCH BASIN TYPE I(INSTALL ABTECH INDUSTRIES SMART SPONGE) ⚠
719-009-01 - CATCH BASIN TYPE 9 & 9MH
719-105/110-01 - DROP INLET
719-610-00 - END TREATMENT(RCP BEVELED END)
720-971-24 - PEDESTRIAN RAMP (COMBINED RAMP)
601-015-00 - WIDENING PROJECT EXISTING ROADWAY REHABILITATION PRIMARY ROUTES
601-115-00 - MATERIALS STORAGE PRIMARY & SECONDARY URBAN ROADWAYS ⚠
601-205-01 - PROTECTION OF EXCAVATIONS ADJACENT TO ROADWAY
630-105-00 - PAVEMENT MARKING TYPICAL RAISED MARKER PLACEMENT & DETAIL
630-205-00 - PAVEMENT MARKING TYPICAL LINE PATTERNS AND RAISED MARKER PLACEMENT



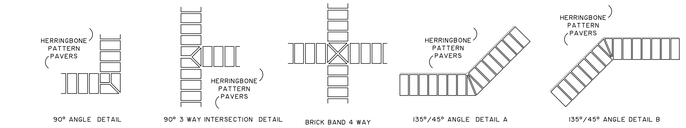
TYPICAL CROSS SECTION
SC46/MAY RIVER ROAD
19+00 TO 31+50
DESIGN SPEED = 30 MPH

NOT TO SCALE



TYPICAL CROSS SECTION
SC46/MAY RIVER ROAD
4+50 TO 9+00
DESIGN SPEED = 30 MPH

NOT TO SCALE

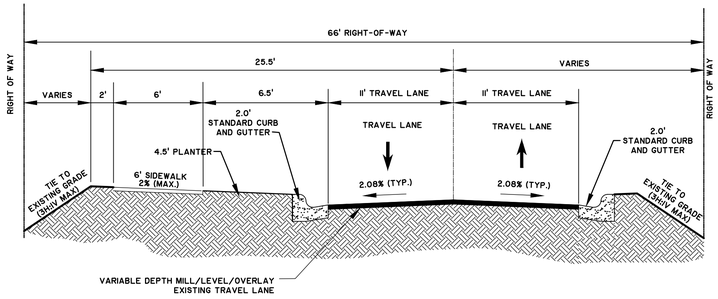


⚠
BRICK ACCENT INTERSECTION DETAILS

NOT TO SCALE

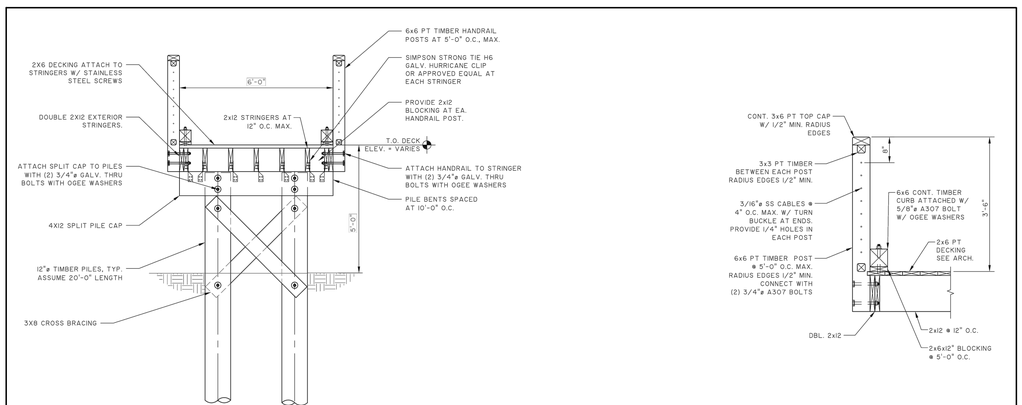
* SLOPE VARIES, SEE CROSS SECTIONS

1 HOT MIX ASHPALT SURFACE COURSE (TYPE B) (200 PSY)
2 HOT MIX ASPHALT INTERMEDIATE COURSE (TYPE B) (225 PSY)
3 HOT MIX ASPHALT BASE COURSE (TYPE B) (600 PSY)



TYPICAL CROSS SECTION
SC46/MAY RIVER ROAD
9+00 TO 19+00
DESIGN SPEED = 30 MPH

NOT TO SCALE



SECTION 1 EX-1

TIMBER WALKWAY

NOT TO SCALE

SECTION 2 EX-1

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NO.	REVISIONS	BY	DATE
8	REVISED PER SCDOT COMMENTS	MEB	11-30-15
10	REVISED PER SCDOT COMMENTS	MEB	3-10-16

SOUTH CAROLINA PROFESSIONAL ENGINEER 30016 RYAN M. HUNG
SOUTH CAROLINA CERTIFICATE OF AUTHORIZATION 3098
BID SET 6-15-2018

TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA
MAY RIVER ROAD IMPROVEMENTS PHASE II
PAVING GRADING AND DRAINAGE DETAILS

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	NOT TO SCALE

C3.22

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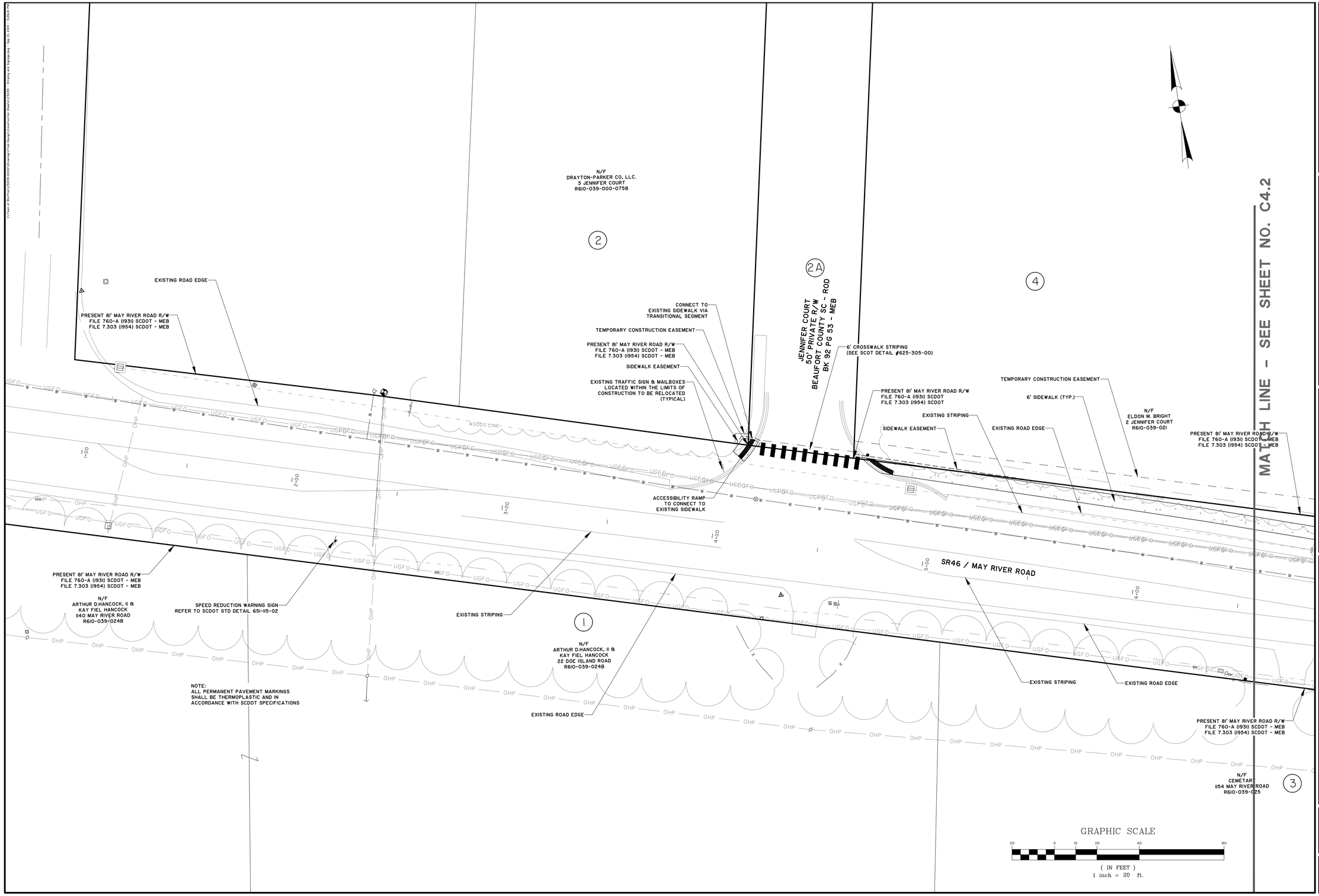

SOUTH CAROLINA PROFESSIONAL ENGINEER — RYAN M. SMITH — 24170 — 6-15-2018

BID SET

NO.	REVISIONS	BY	DATE
7	REVISED PER SCDOT COMMENTS	DSG	8/5/14
5	REVISED PER PUBLIC MEETING COMMENTS	MCS	4/1/14
2	REVISED PER SCDOT COMMENTS	MCS	4/25/12

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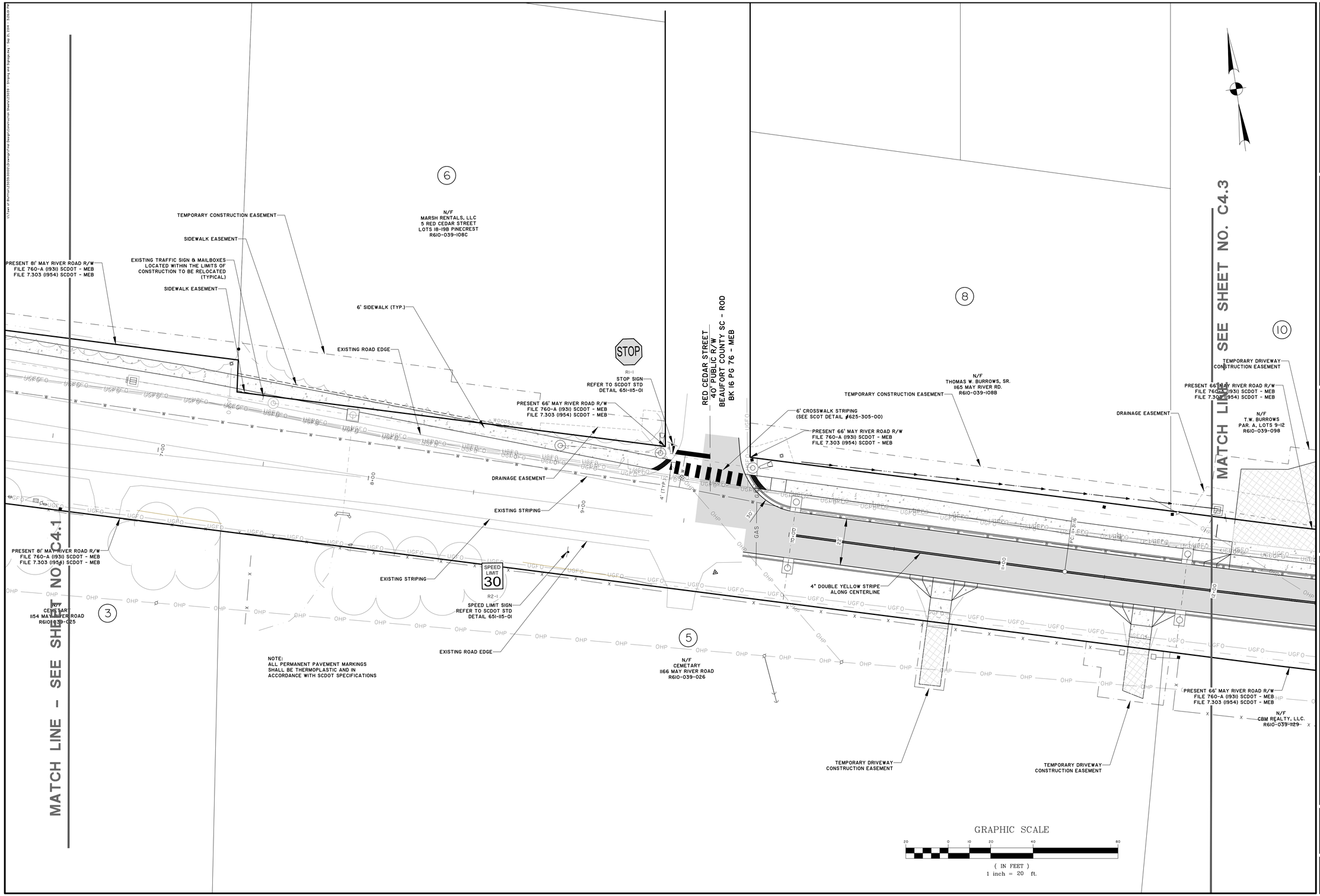
TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

STRIPING AND SIGNAGE PLAN

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	1" = 20'

C4.1



SOUTH CAROLINA PROFESSIONAL ENGINEER — 24170 — RYAN M. SIMS

SOUTH CAROLINA PROFESSIONAL ENGINEER — 24170 — RYAN M. SIMS

BID SET 6-15-2018

NO.	REVISIONS	BY	DATE
7	REVISED PER SCDOT COMMENTS	DSG	8/5/14
5	REVISED PER PUBLIC MEETING COMMENTS	MCS	4/1/14
2	REVISED PER SCDOT COMMENTS	MCS	4-25-12

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TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

STRIPING AND SIGNAGE PLAN

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	1" = 20'

C4.2

MATCH LINE - SEE SHEET NO. C4.2

MATCH LINE - SEE SHEET NO. C4.4

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

N/F
T.W. BURROWS
PAR. A, LOTS 9-12
R610-039-098

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

N/F
JEFFERY ROBINOWICH
1169 MAY RIVER RD.
R610-039-116

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

N/F
JEFFERY ROBINOWICH
1173 MAY RIVER RD.
R610-039-097

TEMPORARY CONSTRUCTION EASEMENT

6' SIDEWALK (TYP.)

TEMPORARY CONSTRUCTION EASEMENT

N/F
C&S COMMERCIAL VILLAGE, LLC.
1181 MAY RIVER RD.
R610-039-097A

DRAINAGE EASEMENT

EXISTING TRAFFIC SIGN & MAILBOXES LOCATED WITHIN THE LIMITS OF CONSTRUCTION TO BE RELOCATED (TYPICAL)

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

N/F
HELEN MESSEX TRUSTEE
1185 MAY RIVER RD.
R610-039-108

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

N/F
CBM REALTY, LLC.
R610-039-1129

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

NOTE:
ALL PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC AND IN ACCORDANCE WITH SCDOT SPECIFICATIONS

N/F
ANNA W. SHARP & JOHN CALVIN
R610-039-031E

4" DOUBLE YELLOW STRIPE ALONG CENTERLINE

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

VERDIER COVE ROAD
50' PRIVATE R/W
BEAUFORT COUNTY SC - ROD
BK 11 PG 6 - MEB

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1491

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

SOUTH CAROLINA PROFESSIONAL ENGINEER
RYAN M. SMITH
24717
5-15-2018

BID SET

NO.	DATE	BY	REVISIONS
7	8/5/14	DSG	REVISED PER SCDOT COMMENTS
5	4/1/14	MCS	REVISED PER PUBLIC MEETING COMMENTS
2	4-25-12	MCS	REVISED PER SCDOT COMMENTS

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MAY RIVER ROAD IMPROVEMENTS PHASE II

STRIPING AND SIGNAGE PLAN

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DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	1" = 20'

C4.3

MATCH LINE - SEE SHEET NO. C4.3

MATCH LINE - SEE SHEET NO. C4.5

SR46 / MAY RIVER ROAD

SR46 / MAY RIVER ROAD

20 | 22 | 24 | 26

RIVER ROAD R/W
193I) SCDOT - MEB
954) SCDOT - MEB

TEMPORARY CONSTRUCTION EASEMENT

DRAINAGE EASEMENT

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

N/F
HELEN MESSEX, TRUSTEE
1189 MAY RIVER RD.
R610-039-104

STOP
R1-1
STOP SIGN
REFER TO SCDOT STD
DETAIL 651-115-01

WHISPERING PINE STREET
40' PUBLIC R/W
BEAUFORT COUNTY SC - ROD
BK 16 PG 76 - MEB

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

6' CROSSWALK STRIPING
(SEE SCOT DETAIL #625-305-00)

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

N/F
CAROLYN C SMITH
1193 MAY RIVER RD.
R610-039-107A

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

DRAINAGE EASEMENT

N/F
TREVOR HOWARD WELLS
1195 MAY RIVER RD.
R610-039-107B

6' SIDEWALK (TYP.)

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

4" DOUBLE YELLOW STRIPE
ALONG CENTERLINE

TEMPORARY DRIVEWAY CONSTRUCTION EASEMENT

DRAINAGE EASEMENT

TEMPORARY CONSTRUCTION EASEMENT

N/F
RUPERT AND BERTIE P. JOHNSON
C/O CLIFFORD I. JOHNSON
1203 MAY RIVER RD.
R610-039-114

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

4' (TYP.)

18+00

19+00

20+00

21+00

22+00

23+00

24+00

10'x22' (TYP.)

4" WHITE PARKING STRIPE

15'

2' (TYP.)

IN-STREET PEDESTRIAN CROSSING SIGN
MUTCD R1-6

4" WHITE PARKING STRIPE

10'x22' (TYP.)

2' (TYP.)

15'

SR46 / MAY RIVER ROAD

66' MAY RIVER ROAD R/W
760-A (1931) SCDOT - MEB
7.303 (1954) SCDOT - MEB

ELOPMENT, LLC.
9-1491

CONNECT TO
EXISTING SIDEWALK VIA
TRANSITIONAL SEGMENT

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1490

DRAINAGE EASEMENT

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

13

GINKGO LANE
50' PRIVATE R/W
BEAUFORT COUNTY SC - ROD
BK 126 PG 176 - MEB

15

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1524

4' (TYP.)

EXISTING SIDEWALK

STOP
R1-1
STOP SIGN
REFER TO SCDOT STD
DETAIL 651-115-01

CONNECT TO
EXISTING SIDEWALK VIA
TRANSITIONAL SEGMENT

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1489

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

17

TEMPORARY CONSTRUCTION EASEMENT

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1488

19

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1487

21

EXISTING TRAFFIC SIGN & MAILBOXES
LOCATED WITHIN THE LIMITS OF
CONSTRUCTION TO BE RELOCATED
(TYPICAL)

EXISTING SIDEWALK

6' SIDEWALK (TYP.)

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1486

CONNECT TO
EXISTING SIDEWALK VIA
TRANSITIONAL SEGMENT

23

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1485

25

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1484

27

PRESENT 66' MAY RIVER ROAD R/W
FILE 760-A (1931) SCDOT - MEB
FILE 7.303 (1954) SCDOT - MEB

N/F
STOCK FARM DEVELOPMENT, LLC.
R610-039-1483

29

NOTE:
ALL PERMANENT PAVEMENT MARKINGS
SHALL BE THERMOPLASTIC AND IN
ACCORDANCE WITH SCDOT SPECIFICATIONS

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

SOUTH CAROLINA PROFESSIONAL ENGINEER
RYAN M. SMITH
24717
6-15-2018

BID SET

6-15-2018

NO.	REVISIONS	BY	DATE
7	REVISED PER SCDOT COMMENTS	DSG	8/5/14
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2	REVISED PER SCDOT COMMENTS	MCS	4-25-12

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MAY RIVER ROAD IMPROVEMENTS PHASE II

STRIPING AND SIGNAGE PLAN

JOB NO:	J-23039
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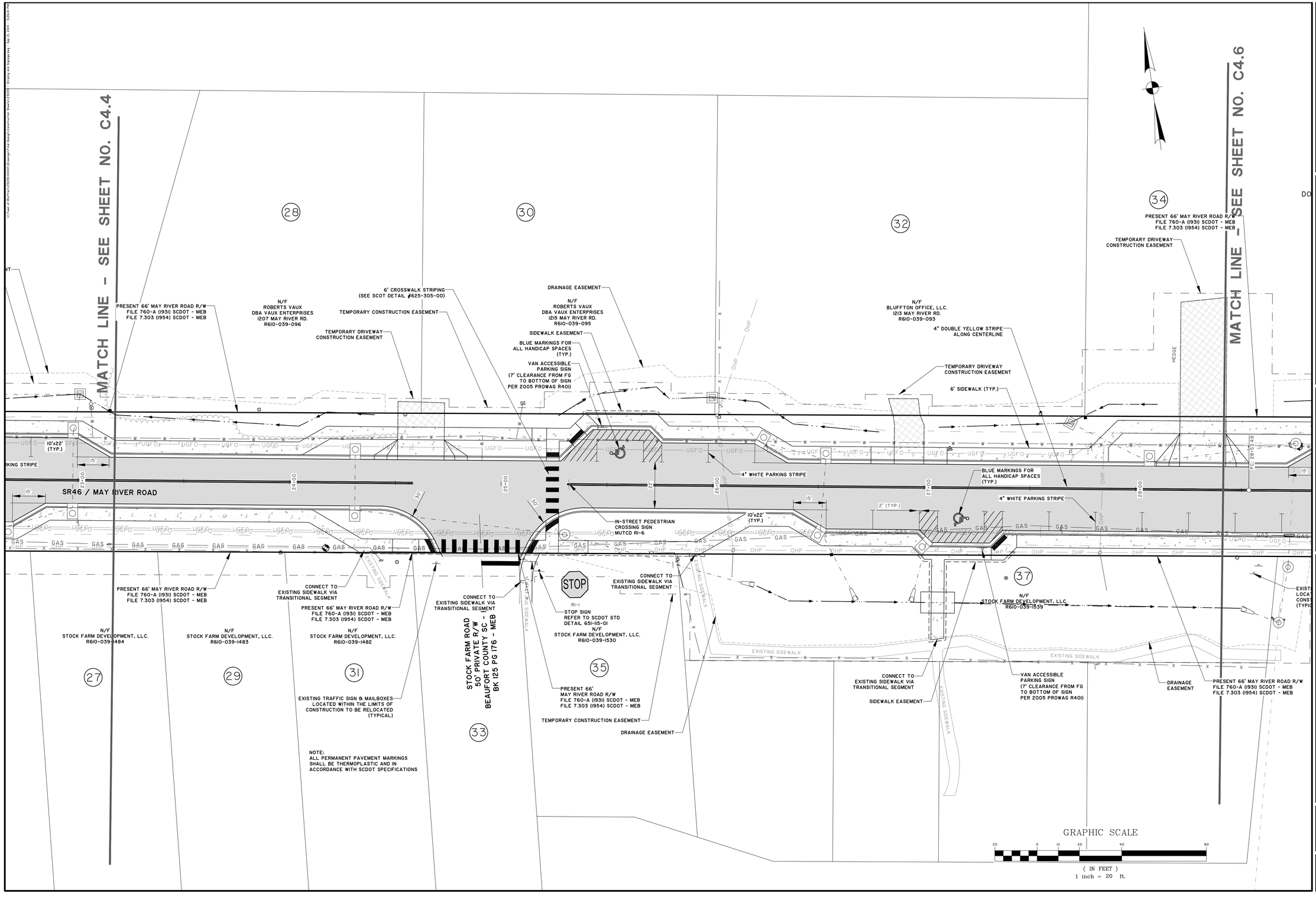
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	1" = 20'

C4.4



SOUTH CAROLINA PROFESSIONAL ENGINEER — RYAN M. SIMMONS — 34717 — REGISTRATION

BID SET 6-15-2018

NO.	REVISIONS	BY	DATE
7	REVISED PER SCDOT COMMENTS	DSG	8/5/14
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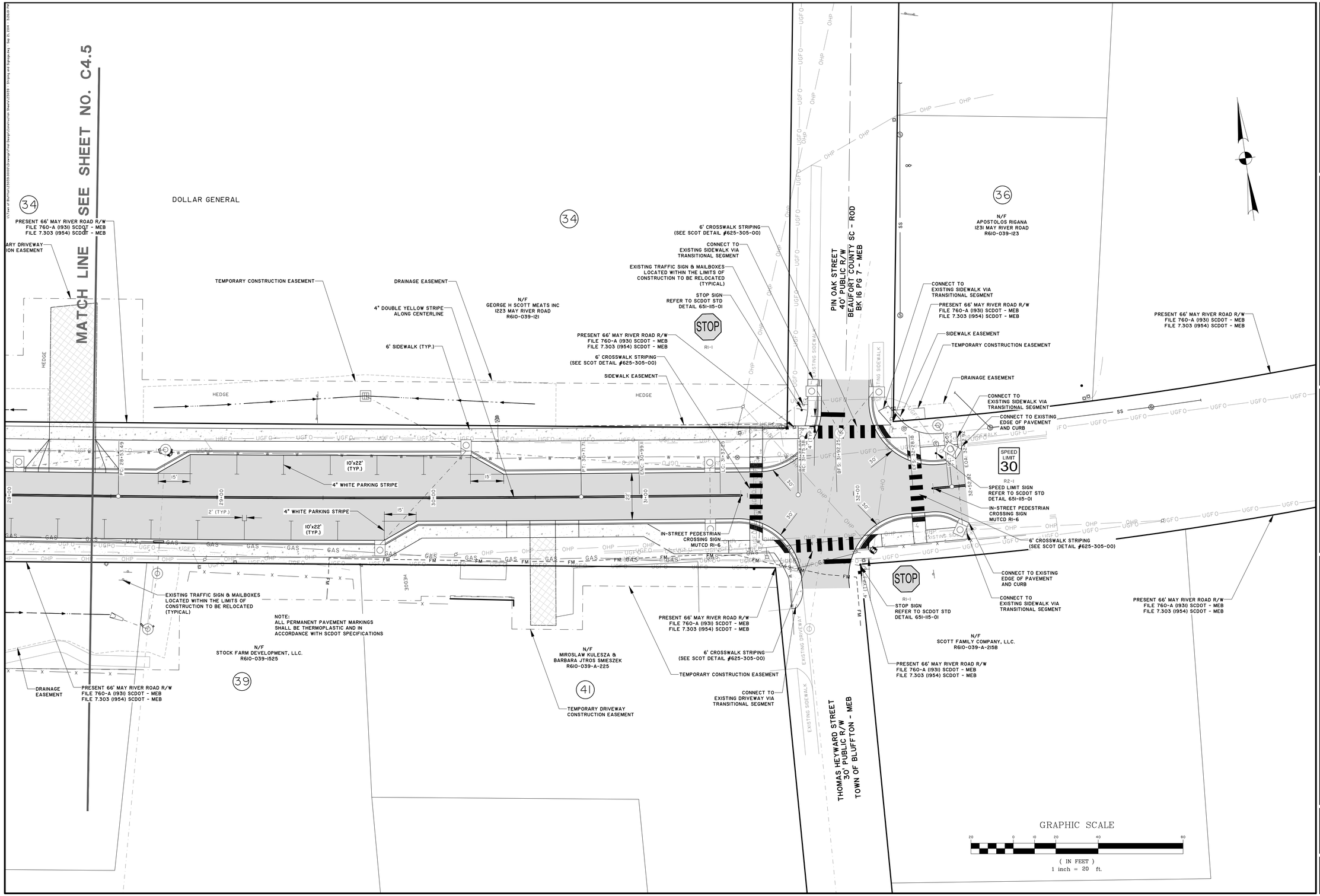
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	1" = 20'

C4.5



BID SET
6-15-2018

NO.	REVISIONS	BY	DATE
7	REVISED PER SCDOT COMMENTS	DSG	8/5/14
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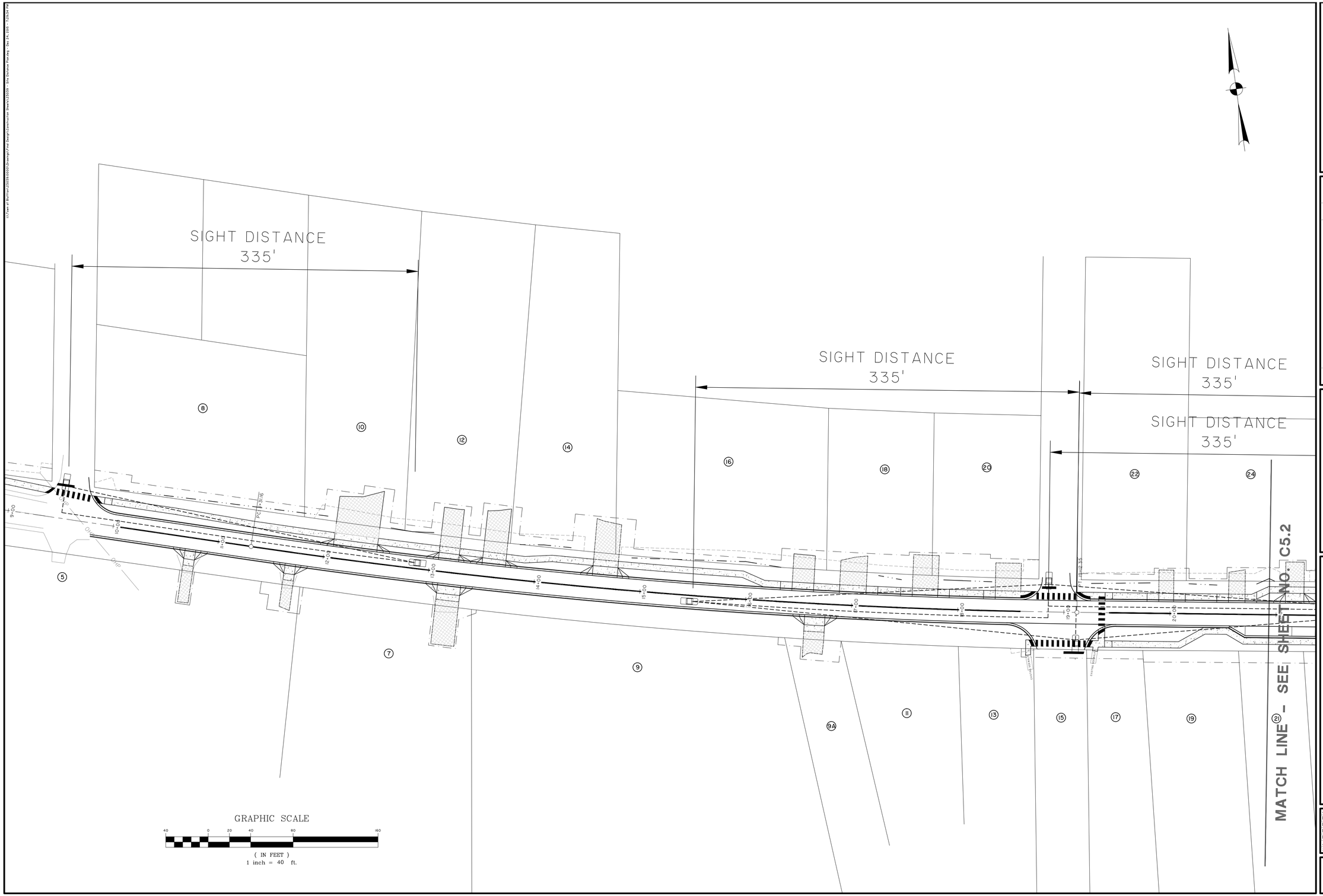
MAY RIVER ROAD IMPROVEMENTS PHASE II

STRIPING AND SIGNAGE PLAN

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	1" = 20'

C4.6



BID SET
6-15-2016

NO.	REVISIONS	BY	DATE

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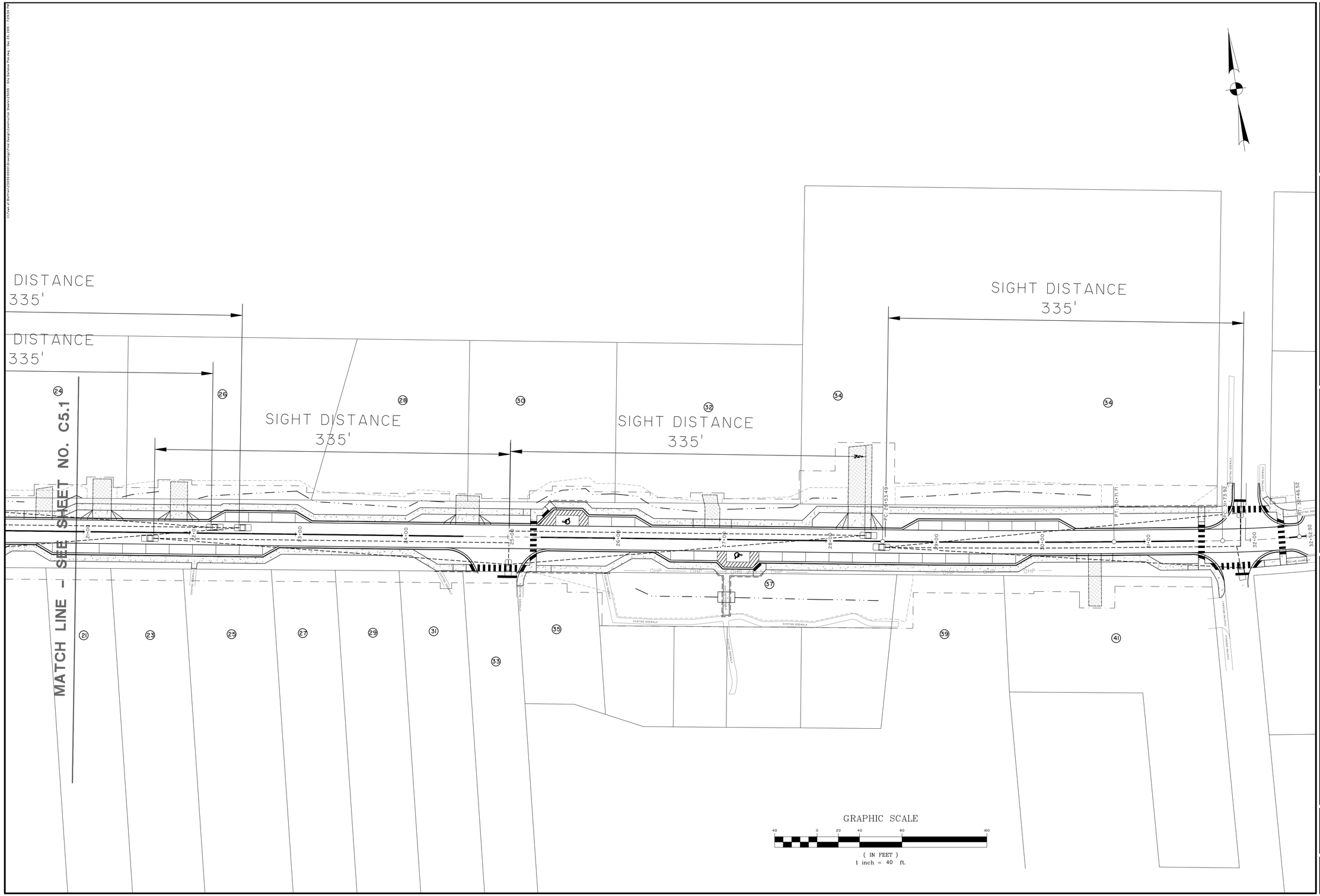
TOWN OF BLUFFTON
BLUFFTON, BEAUFORT COUNTY, SOUTH CAROLINA

MAY RIVER ROAD IMPROVEMENTS PHASE II

SIGHT DISTANCE PLANS

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	1" = 40'

C5.1



BID SET 6-15-2018

NO.	REVISIONS	BY	DATE

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MAY RIVER ROAD IMPROVEMENTS PHASE II

SIGHT DISTANCE PLANS

JOB NO:	J-23039
DATE:	5/16/2011
DRAWN:	DMB
DESIGNED:	RMS
REVIEWED:	RMS
APPROVED:	RMS
SCALE:	1" = 40'

C5.2