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KCI
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905 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27606
TEL (919) 859-2243 FAX (919) 859-0258
ENG FIRM LICENSE NO. C-890

PROJECT REFERENCE NO.	SHEET NO.
R-5020B	15

ROADWAY DESIGN ENGINEER
Docusigned by: Barry C. Smith
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NORTH CAROLINA PROFESSIONAL SEAL 034375 ENGINEER BARRY C. SMITH
6/24/2020

HYDRAULICS ENGINEER
Docusigned by: Joshua G. Dalton
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NORTH CAROLINA PROFESSIONAL SEAL 26971 ENGINEER JOSHUA G. DALTON
6/24/2020

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

–L–

PI = 167+50.00
EL = 92.80'
VC = 600'
K = 85
DS = 50 MPH

(+)3.3228%
(–)3.9133%

BEGIN TIP R-5020B
BEGIN GRADE –L– STA. 174+50.00
ELEV. = 66.31'

–Y17– STA 14+01.63 =
–L– STA 176+27.67
ELEV = 63.38'

PI = 175+80.00
EL = 60.32'
VC = 525'
K = 98
DS = 50 MPH

(–)3.9133%
(+)1.4659%

EXIST. PED. CULVERT

MATCHLINE –L– STA 177+00.00

---------- = FUTURE R-5020A PROFILE

FOR PLAN VIEW, SEE SHEET 4

110 100 90 80 70 60 50 40

164 165 166 167 168 169 170 171 172 173 174 175 176 177

–L–

MATCHLINE –L– STA 177+00.00

(+)1.4659%

–Y18– STA 13+50.03,
–Y19– STA 10+00.00 =
–L– STA 182+25.47
ELEV = 69.78'

–Y21– STA 13+77.70 =
–L– STA 181+61.56
ELEV = 79.11'

(+)1.4659%

MATCHLINE –L– STA 190+00.00

FOR PLAN VIEW, SEE SHEETS 4 & 5

110 100 90 80 70 60 50 40

177 178 179 180 181 182 183 184 185 186 187 188 189 190

28-APR-2020 14:39
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$$$$USERNAME$$$$