PROJECT REFERENCE NO. U-6202 **ELECTRICAL SERVICE** LOCATION TO BE DETERMINED BY DUKE ENERGY IN FIELD. 58 DRAWING 53A 59 DRAWING BLUEBERRY RD 36 CCTV_1 OFF JUNCTION **BOX FOR** DRAWING 1 SIGNALS NEW ELECTRICAL SERVICE EQUIPMENT METER BASE/ DISCONNECT COMBO PANEL INSTALL 3-WIRE #3 COPPER SERVICE 20 ENTRANCE CONDUCTORS IN NEW 2" RIGID GALVANIZED RISER WITH WEATHERHEAD. INSTALL 2" RAINPROOF CONDUIT HUB ON TOP OF NEW SERVICE METER/DISCONNECT COMBO PANEL INSTALL NEW SERVICE DISCONNECT WITH 1 SINGLE POLE, 15 AMP CIRCUIT BREAKER NOTE: ONE CONDUIT TO BE INSTALL ONE 2" CONDUIT WITH THREE USED FOR SIGNAL CABLE #10 COPPER FEEDER CONDUCTORS TO CCTV EQUIPMENT CABINET DISCONNECT 132 RD) 117/NC COLLEGE DRAWING 2 NEW EQUIPMENT CABINET DISCONNECT 0 **EQUIPMENT** CABINET INSTALL 1 SINGLE POLE, 15 AMP CIRCUIT BREAKER FOR CCTV DISCONNECT - INSTALL ONE 2" CONDUIT WITH THREE #10 COPPER FEEDER CONDUCTORS FROM POLE-MOUNTED METER BASE/DISCONNECT COMBO PANEL INSTALL ONE 1" CONDUIT WITH THREE #12 COPPER FEEDER CONDUCTORS TO CCTV EQUIPMENT CABINET CCTV-1 GPS COORDINATES 34° 16.833′ 52.113′ MATCHLINE

SEE SHEET

SCP. 8

NOTES:

1. UNLESS OTHERWISE NOTED:

-ATTACH NEW MESSENGER CABLE MINIMUM 40 INCHES BELOW POWER.

-ATTACH ON FRONT SIDE (FS) OF POLE.

2. TWO (2) WEEKS PRIOR TO BEGINNING WORK ON THE SIGNAL SYSTEM, CONTACT THE CITY OF WILMINGTON SIGNAL SYSTEMS MANAGEMENT ENGINEER AT (910) 341–4676 TO ARRANGE FOR THE CITY TO PROGRAM THE NEW FIELD ETHERNET SWITCHES WITH THE NECESSARY NETWORK CONFIGURATION DATA, INCLUDING BUT NOT LIMITED TO: THE PROJECT IP ADDRESS, DEFAULT GATEWAY, SUBNET MASK AND VLAN ID INFORMATION. NOTIFY THE SIGNAL SYSTEMS MANAGEMENT ENGINEER AFTER ALL WORK IS PERFORMED TO ENSURE THAT ALL FIBER CIRCUITS ARE FUNCTIONING PROPERLY. WORK IS NOT COMPLETE UNTIL THE SIGNAL SYSTEM IS BACK UP AND FUNCTIONAL.

3. CONTACT THE CITY OF WILMINGTON SIGNAL SYSTEMS MANAGEMENT ENGINEER, DENYS VIELKANOWITZ AT (910) 341–4670 TO CONFIRM THE LOCATION OF THE CCTV CAMERAS.

4. CONTRACT DUKE ENERGY AT (800) 452-2777 TO ARRANGE FOR ELECTRICAL SERVICE.

5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN THE AVAILABLE FAULT CURRENT INFORMATION FROM THE POWER COMPANY FOR THE REQUIRED ELECTRICAL SERVICE AND PLACE A "FAULT CURRENT" STICKER INSIDE THE SERVICE DISCONNECT PANEL WITH THE DATE AND AVAILABLE FAULT CURRENT ON THE STICKER.

Final Phase

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



CITY OF WILMINGTON SIGNAL SYSTEM COMMUNICATIONS CABLE AND CONDUIT ROUTING PLANS

CADD Filename: U6202 SCP-08A.dq

TH CAROL

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031464 Division 3 New Hanover County Wilmington July 2023 REVIEWED BY: J.A. Wagner PLAN DATE: PREPARED BY: G.D. Berry REVIEWED BY: N.R. Simmons REVISIONS INIT. DATE N/A