

Prepared for the Offices of:



750 N. Greenfield Pkwy., Garner, NC 27529

I-5715

Communications Cable and
Conduit Routing Plan

Division 10

Mecklenburg

Huntersville

PLAN DATE: March 2026

REVIEWED BY: MC Burke

PREPARED BY: SP Pennington

REVIEWED BY:

REVISIONS

INIT.

DATE

SEAL



Signed by:

Molly Burke-McKenney

DATE: 3/26/26

DATE

SIGNATURE

DATE

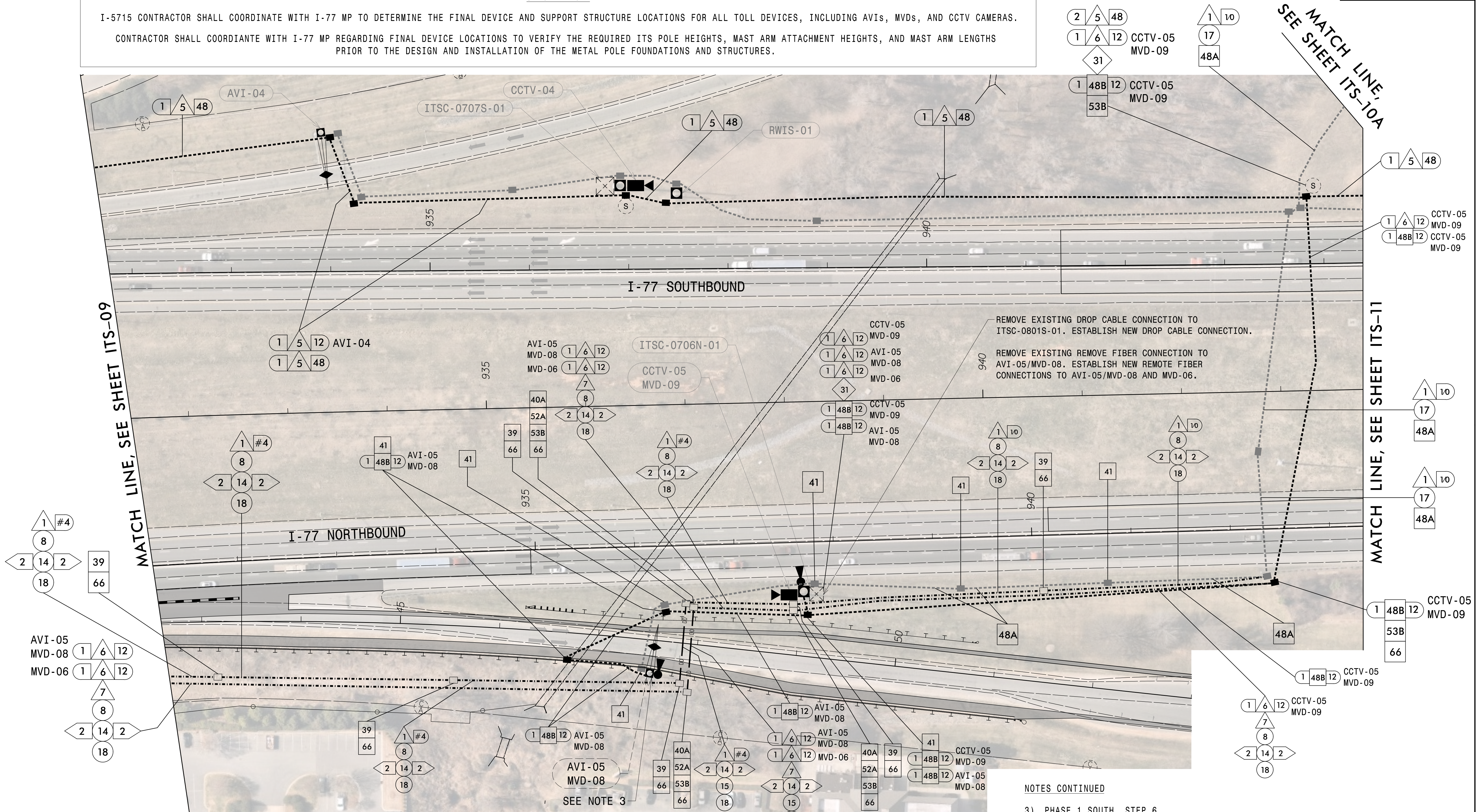
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PROJECT REFERENCE NO.	SHEET NO.
I-5715	ITS-10

SPECIAL NOTE

I-5715 CONTRACTOR SHALL COORDINATE WITH I-77 MP TO DETERMINE THE FINAL DEVICE AND SUPPORT STRUCTURE LOCATIONS FOR ALL TOLL DEVICES, INCLUDING AVIs, MVDs, AND CCTV CAMERAS.

CONTRACTOR SHALL COORDIANTE WITH I-77 MP REGARDING FINAL DEVICE LOCATIONS TO VERIFY THE REQUIRED ITS POLE HEIGHTS, MAST ARM ATTACHMENT HEIGHTS, AND MAST ARM LENGTHS PRIOR TO THE DESIGN AND INSTALLATION OF THE METAL POLE FOUNDATIONS AND STRUCTURES.



NOTES:

- 1) THE I-5715 CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING: FIBER-OPTIC CONDUIT AND CABLE INSTALLATION, SPLICING, AND TESTING, INCLUDING BOTH TRUNK-LINE FIBER AND DROP-CABLE CONNECTIONS; ELECTRICAL CONDUIT AND CONDUCTOR INSTALLATION; ELECTRICAL SERVICE MODIFICATION; ITS EQUIPMENT CABINET AND FIBER CONTROL BOX RELOCATION AND INSTALLATION; TRS EQUIPMENT CABINET AND BACKUP GENERATOR PAD INSTALLATION; TRS BACKUP GENERATOR RELOCATION; DESIGN AND INSTALLATION OF METAL SUPPORT STRUCTURES AND FOUNDATIONS; AND REMOVAL OF EXISTING FIBER-OPTIC CABLES, ELECTRICAL CONDUCTORS, AND METAL POLE SUPPORT STRUCTURES AND FOUNDATIONS.
- 2) I-77 MOBILITY PARTNERS IS RESPONSIBLE FOR THE FOLLOWING: RELOCATION OF EXISTING TOLLING DEVICES, INCLUDING AVI, MVD, AND CCTV CAMERAS; PROCUREMENT AND INSTALLATION OF NEW ITS DEVICES; PROCUREMENT AND PROGRAMMING OF CELL MODEMS FOR USE WITH TEMPORARY TOLLING DEVICES; AND CALLIBRATION, COMMISSIONING, AND ACCEPTANCE OF ALL TEMPORARY, RELOCATED, AND NEW TOLLING DEVICES.
- 3) PHASE 1 SOUTH, STEP 7

COORDINATE WITH I-77 MP ON THE REMOVAL OF AVI-05/MVD-08 BY I-77 MP. UPON I-77 MP'S REMOVAL OF AVI-05/MVD-08, REMOVE AND RETAIN EXISTING FIBER CONTROL BOX AND ALL COMPONENTS TO BE INSTALLED AT THE NEW SITE. REMOVE EXISTING METAL SUPPORT STRUCTURE AND FOUNDATION. REMOVE EXISTING JUNCTION BOXES, CONDUIT, FIBER-OPTIC CABLES, AND CONDUCTORS AS SHOWN ON PLANS. CUT AND ABANDON CONDUITS AT 30 INCHES BELOW GRADE, BACKFILL WITH APPROVED MATERIAL.

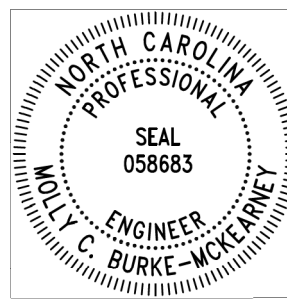
INSTALL JUNCTION BOXES, CONDUIT, FIBER-OPTIC CABLES, AND ELECTRICAL CONDUCTORS TO MAINTAIN CONNECTIVITY AND POWER TO EXISTING CCTV-05/MVD-09 DURING GRADING.

NOTES CONTINUED

- 3) PHASE 1 SOUTH, STEP 6

UPON CONFIRMATION OF FINAL GRADE, INSTALL CONDUIT, JUNCTION BOXES, FIBER-OPTIC CABLES, AND ELECTRICAL CONDUCTORS AS SHOWN ON PLANS TO ESTABLISH REMOVE FIBER CONNECTION TO NEW SITE OF AVI-05/MVD-08 AND MVD-06. SEE ITS-09 FOR NEW SITE OF AVI-05/MVD-08 AND MVD-06.

PLANS PREPARED IN THE OFFICE OF:
Kimley»Horn
NC License #F-0102
421 Fayetteville Street, Suite 600
Raleigh, NC 27601
(919) 677-2000

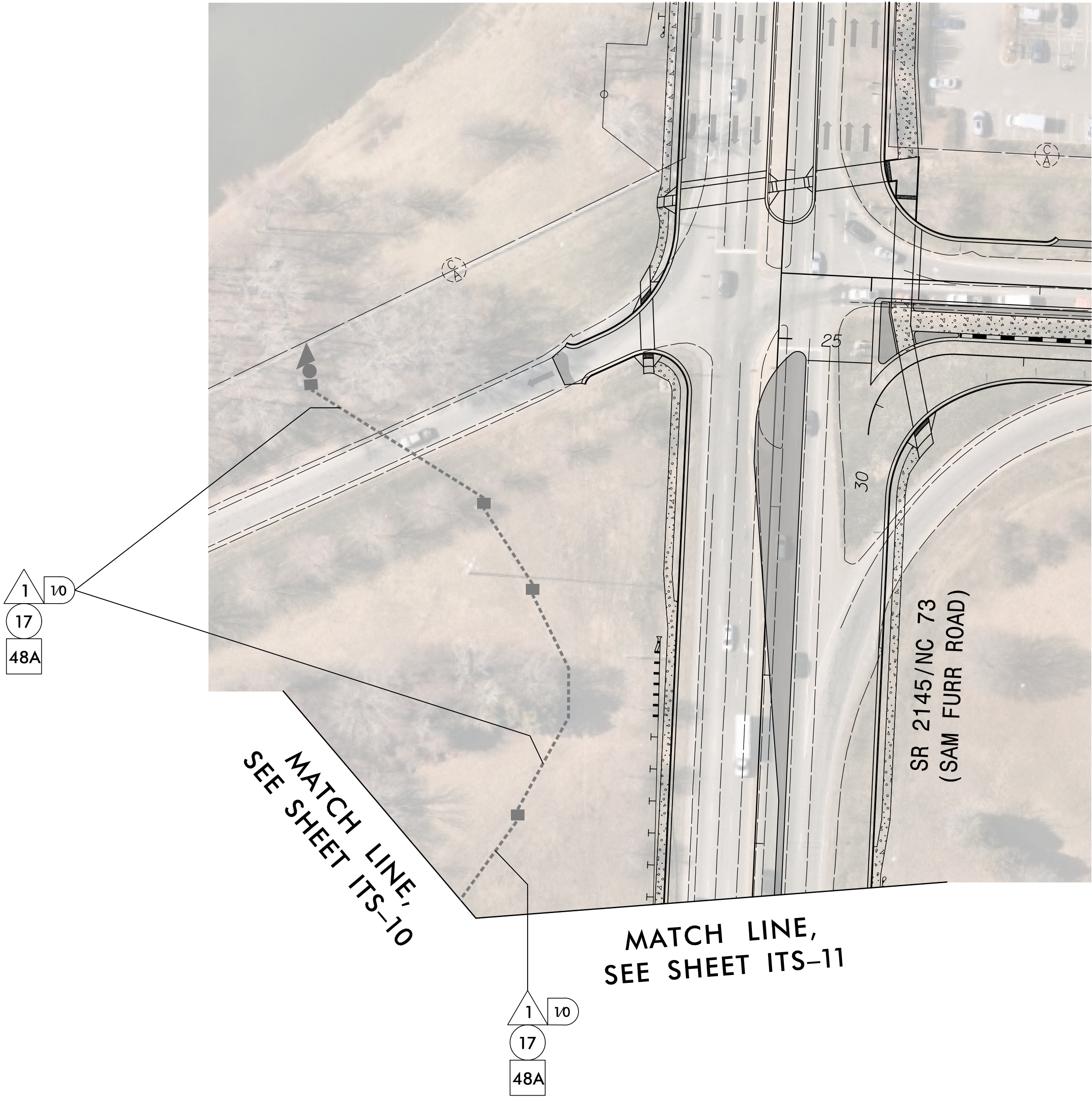
Prepared for the Offices of:  750 N. Greenfield Pkwy., Garner, NC 27529	I-5715 Communications Cable and Conduit Routing Plan		SEAL  Molly C. Burke-McKinnon ENGINEER STATE OF NORTH CAROLINA 058883										
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PROJECT REFERENCE NO.	SHEET NO.
I-5715	ITS-10A

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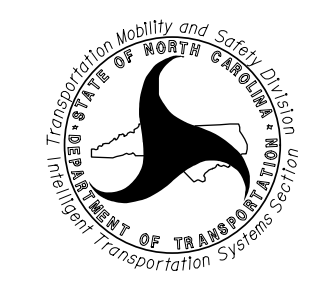


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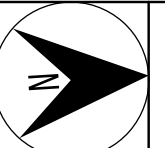
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- 3) PHASE 1 SOUTH, STEP 7
INSTALL ELECTRICAL CONDUCTORS TO MAINTAIN POWER TO EXISTING CCTV-05/MVD-09 DURING GRADING. SEE ITS-10 FOR SITE OF CCTV-05/MVD-09.

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SCALE
0 N/A

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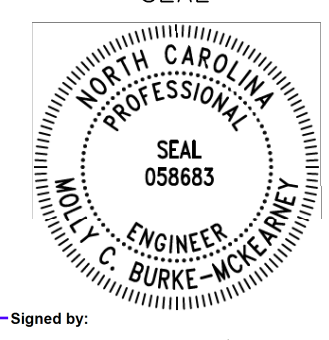
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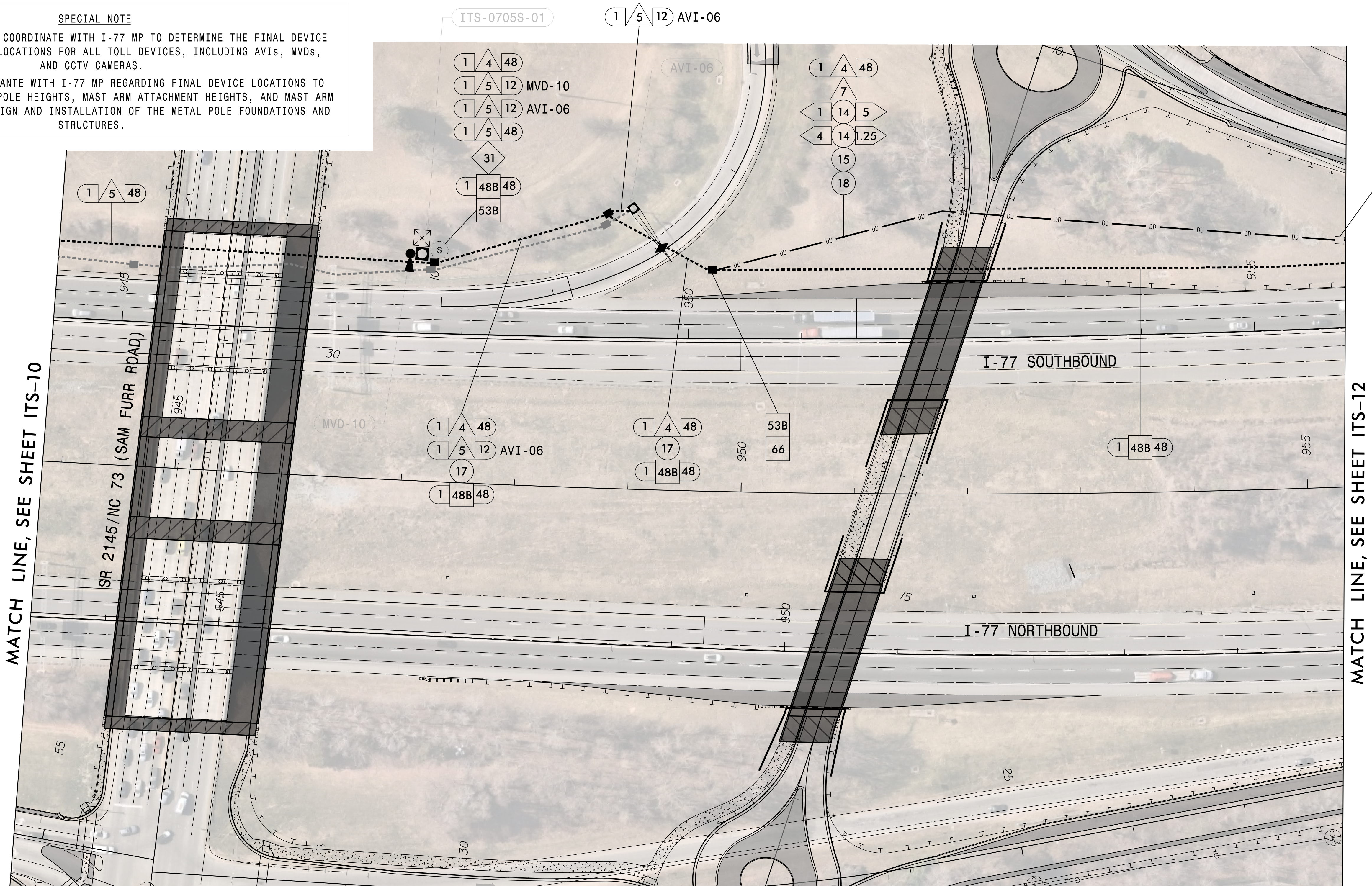
Signed by:
Molly Burke
MOLLY C. BURKE-058883
SIGNATURE DATE

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- 3) **EARLY WORKS**

FOR NEW DROP CABLES/REMOTE SITE CABLES, TERMINATE IN EXISTING ITS EQUIPMENT CABINETS/FIBER CONTROL BOXES TO MATCH EXISTING CONDITIONS. COORDINATE WITH I-77 MP TO COMPLETE CALLIBRATION, COMMISSIONING, AND ACCEPTANCE.

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