ITS 17

SGN 1-7 SIGNING PLANS

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" ROADWAY DESIGN UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO. TITLE 862.01 GUARDRAIL PLACEMENT 862.02 GUARDRAIL INSTALLATION 1101.01 WORK ZONE WARNING SIGNS 1101.02 TEMPORARY LANE CLOSURES 1101.03 TEMPORARY ROAD CLOSURES 1101.04 TEMPORARY SHOULDER CLOSURES 1101.11 TRAFFIC CONTROL DESIGN TABLES PORTABLE WORK ZONE SIGNS FLASHING ARROW BOARDS

1130.01 DRUM

1165.01 WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION

1180.01 SKINNY – DRUM

1261.01 GUARDRAIL AND BARRIER DELINEATORS – INSTALLATION SPACING 1261.02 GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING

1262.01 GUARDRAIL AND DELINEATION 1700.01 ELECTRICAL SERVICE OPTIONS 1715.01 UNDERGROUND CONDUIT

1716.01 JUNCTION BOXES

1725.01 INDUCTIVE DETECTIVE LOOPS 1751.01 CONTROLLERS AND CABINETS

1752.02 CONTROLLERS AND CABINETS - POWER, GROUND AND AUXILIARY POWER SYSTEMS

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

SURRY COUNTY

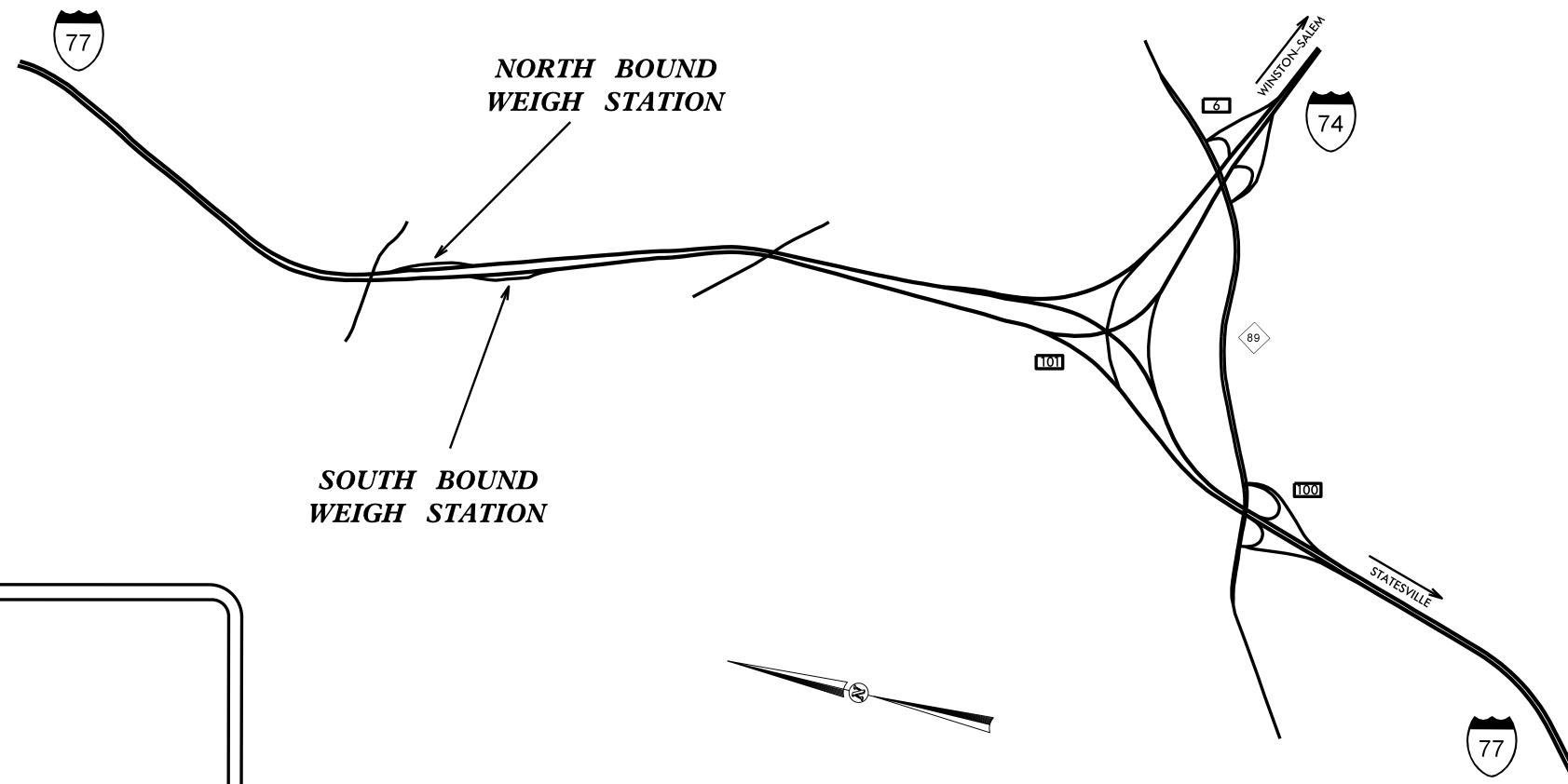
ITS=1 33879.2.101 F. A. PROJ. NO.

STATE PROJECT REFERENCE NO.

PLANS FOR PROPOSED

I-77 SOUTHBOUND WEIGH STATION UPGRADE

THIS PROJECT CONSISTS OF FURNISHING AND INSTALLING EQUIPMENT AND MATERIALS FOR THE INSTALLATION OF A WEIGH IN MOTION SYSTEM, TRUCK BYPASS SYSTEM, TIRE MONITORING SYSTEM, AUTOMATED LICENSE PLATE READER, AND IMAGE CAPTURE CAMERA NEAR MT. AIRY, NORTH CAROLINA. RELATED MATERIALS CONSIST OF LOCAL CABINETS AND CONTROLLERS, WEIGH IN MOTION SENSORS, ALPR CAMERAS, SOFTWARE, INFRARED ILLUMINATORS, CMS, TMS SENSORS, DATABASE INTERFACE, METAL POLES, METAL POLES WITH MAST ARMS, METAL POLE FOUNDATION, IMAGE CAPTURE CAMERA ASSEMBLY, AND GUARDRAIL.



INDEX OF PLANS

SYSTEM SORT DECISION DATA FLOW

LOCATION / DESCRIPTION $N\overline{UMBE}R$ TITLE SHEET ITS 1 ITS 2 LEGEND, GENERAL NOTES, AND ABBREVIATIONS CONSTRUCTION NOTES ITS 3 PROJECT AREA OVERVIEW ITS 4 ITS 5-11 COMMUNICATIONS CABLE AND CONDUIT ROUTING ADVANCE LOCATION AND WIM DETAIL ITS 12 ITS 13 NOTIFICATION LOCATION, AVI READER, AND CHANGEABLE MESSAGE SIGNS ITS 14 COMPLIANCE LOCATION DETAIL ITS 15–16 SPLICE DETAILS

2018 STANDARD SPECIFICATIONS

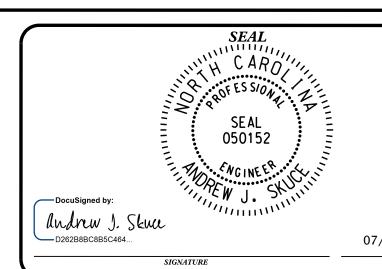
NCDOT CONTACTS: TRANSPORTATION MOBILITY AND SAFETY

ANDREW J. SKUCE, P.E. ITS ENGINEER





ALL DIMENSIONS IN THESE PLANS ARE IN FEET UNLESS OTHERWISE NOTED



DOCUMENT NOT CONSIDERED FINAL

UNLESS ALL SIGNATURES COMPLETED

07/25/2023

LEGEND PROPOSED EXISTING -----TRENCHED CONDUIT -----DIRECTIONAL DRILLED CONDUIT **ELECTRICAL SERVICE** WOOD POLE JUNCTION BOX N/A STANDARD INDUCTIVE LOOP DETECTOR N/A CAMERA ASSEMBLY \boxtimes **EQUIPMENT CABINET** N/A PIEZOELECTRIC QUARTZ SENSOR TIRE MONITORING SENSOR N/A **GUARDRAIL** - - - - - - - - - -METAL POLE CHANGEABLE MESSAGE SIGN TRANSPONDER/AVI READER

GENERAL NOTES

- 1. OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO INSTALLATION FOR ITEMS TO BE INSTALLED AS PART OF THIS PROJECT.
- 2. BURIED UTILITIES AND STRUCTURES: PIPELINES, STORM SEWERS, POWER CABLES, UTILITY CABLES, AND OTHER PUBLICLY AND PRIVATELY OWNED UNDERGROUND OBSTRUCTIONS MAY EXIST ADJACENT TO AND WITHIN THE ROADWAY RIGHT-OF-WAY WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT. INVESTIGATE THE LOCATION OF SUCH BURIED UTILITIES AND STRUCTURES WITH PUBLIC AND PRIVATE UTILITIES.
- 3. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE WITH THE OWNER OF ALL AFFECTED UTILITIES FOR WORK THAT MAY IMPACT ANY UTILITY FACILITY.
- 4. ALL WORK SHOWN ON THESE PLANS IS TO BE PERFORMED BY THE CONTRACTOR UNLESS IT IS SPECIFICALLY NOTED THAT THE WORK WILL BE PERFORMED BY OTHERS.
- 5. WIM SYSTEM DETAILS AND TYPICALS ARE CONCEPTUAL. CONTRACTOR AND/OR WIM SYSTEM INSTALLER SHALL VERIFY LOCATIONS AND SENSOR INSTALLATION DETAILS BEFORE INSTALLATION. ANY CHANGES OR ADDITIONAL PLANS DEVELOPED BY THE CONTRACTOR AND/OR WIM SYSTEM INSTALLER SHALL BE SUBMITTED TO THE DEPARTMENT FOR APPROVAL.

CONSTRUCTION NOTE SYMBOLOGY KEY

X INDICATES NUMBER OF CABLES, LOOPS, ETC.

INDICATES NUMBER OF FIBERS PER CABLE, TWISTED PAIRS PER CABLE, ETC.

X INDICATES NUMBER OF RISER(S)/CONDUIT(S)

INDICATES DIAMETER OF RISER(S)/CONDUIT(S) (in)

NUMBER OF FIBERS / SIZE OF CONDUCTORS

X XX

X XX

NUMBER OF DIAMETER OF RISER(S)/CONDUIT(S) (in)

NUMBER OF DIAMETER OF CONDUCTORS

DIAMETER OF

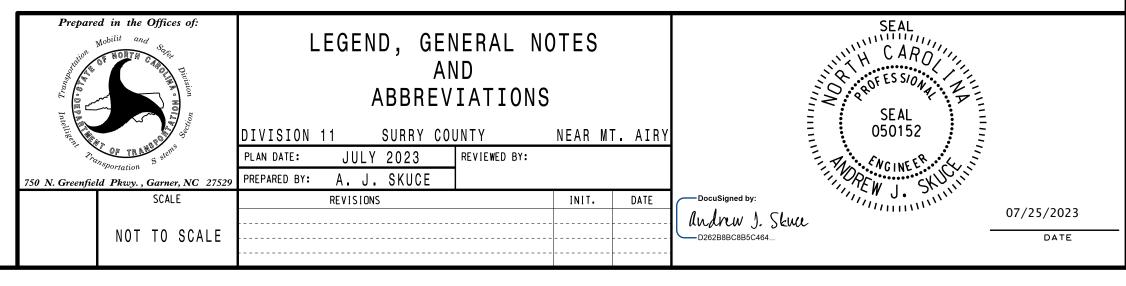
RISER(S)/CONDUIT(S) (in)

RISER(S)/CONDUIT(S)

ABBREVIATIONS

AUTOMATIC VEHICLE IDENTIFICATION AVI ALPR AUTOMATED LICENSE PLATE READER HIGH DENSITY POLYETHYLENE LOOP DETECTOR N.T.S. NOT TO SCALE WEIGH IN MOTION PQS PIEZOELECTRIC QUARTZ SENSOR SENSOR NCSHP NORTH CAROLINA STATE HIGHWAY PATROL **TMS** TIRE MONITORING SENSOR

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



INSTALL INDUSTRIAL ETHERNET SWITCH

INSTALL CABLE(S) IN EXISTING CONDUIT STUB-OUTS

PROJECT REFERENCE NO. | SHEET NO.

DATE

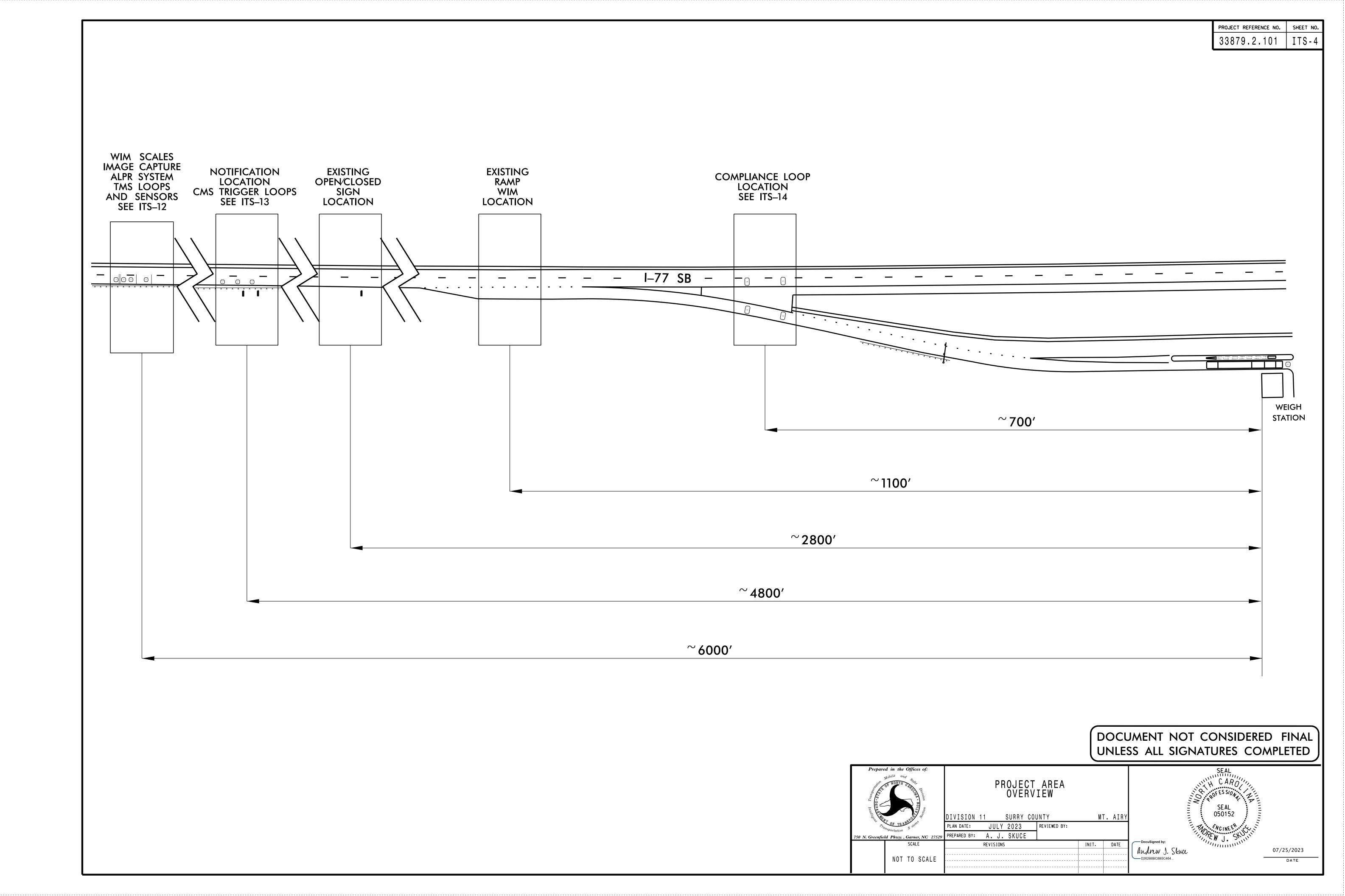
07/25/2023

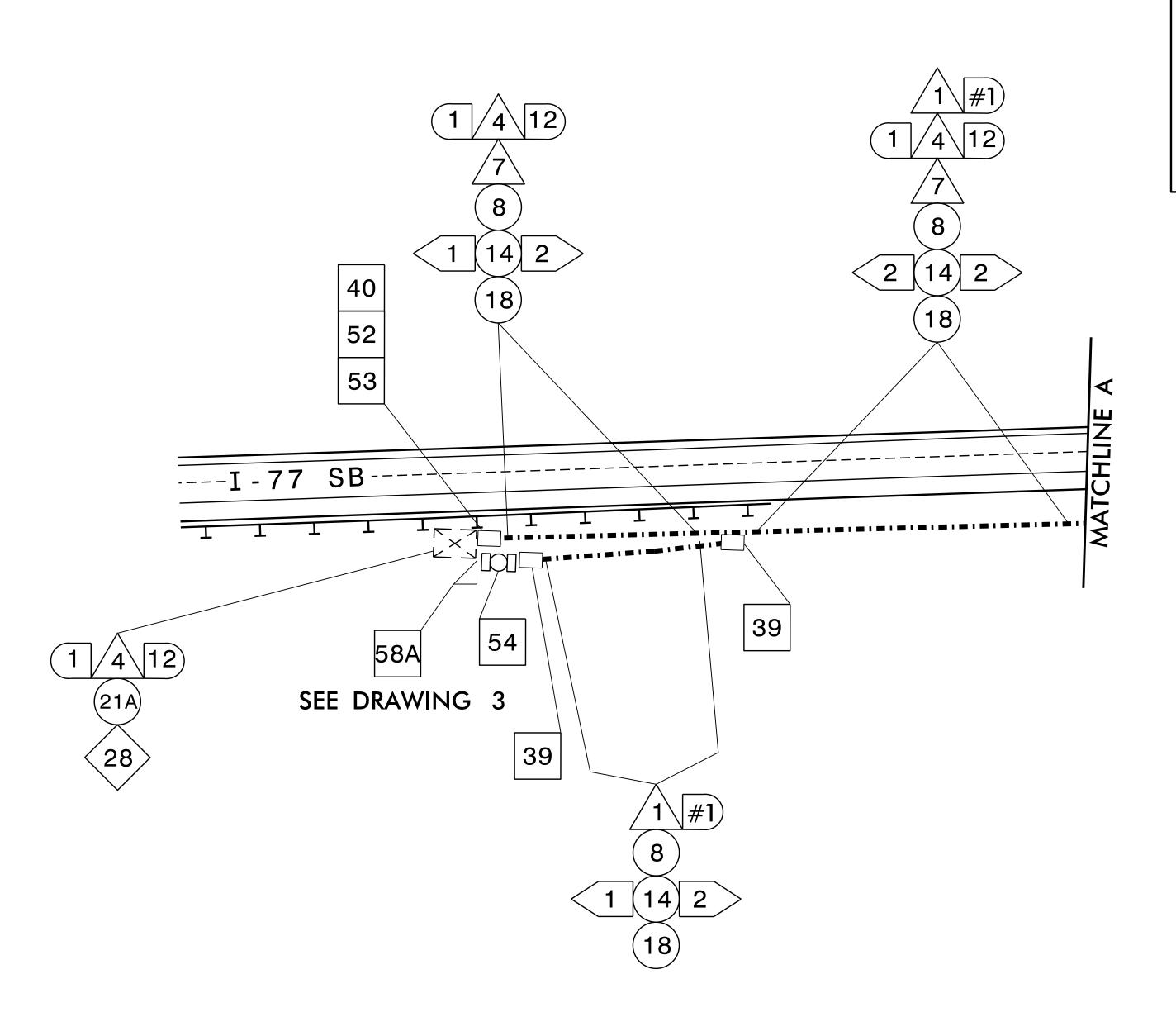
REVISIONS

NOT TO SCALE

INIT. DATE

Andrew J. Skua





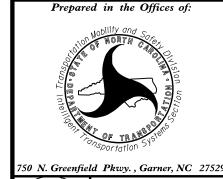
DRAWING 3

NEW TRANSFORMER/EQUIPMENT CABINET DISCONNECT NEW TRANSFORMER/EQUIPMENT CABINET INSTALL TWO SINGLE-POLE 15 AMP CIRCUIT BREAKERS INSTALL ONE 2" CONDUIT FROM METER BASE COMBO PANEL INSTALL TWO 3/4" CONDUIT WITH THREE #6 COPPER FEEDER CONDUCTORS EACH TO WIM CABINET

NOTES:

- 1. SEE SIGNING PLANS FOR DETAILS OF INSTALLATION, MODIFICATION, RELOCATION OR REMOVAL OF SIGNING.
- 2. FIBER-OPTIC CABLE(S) SHALL BE ISOLATED FROM ALL OTHER CABLES USING ONE 2-INCH CONDUIT AND SEPARATE JUNCTION BOXES.
- 3. CONTRACTOR SHALL VERIFY EQUIPMENT CABINET DISCONNECT BREAKER SIZE AND QUANTITY WITH WIM SYSTEM REQUIREMENTS BEFORE INSTALLATION.
- 4. CONTRACTOR SHALL VERIFY CONDUCTOR SIZES FOR COMPLIANCE WITH NEC AND NCDOT VOLTAGE DROP REQUIREMENTS.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



I-77 SOUTHBOUND WEIGH STATION UPGRADE CABLE ROUTING PLANS

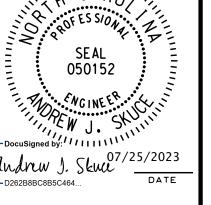
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PLAN DATE: JULY 2023 REVIEWED BY:

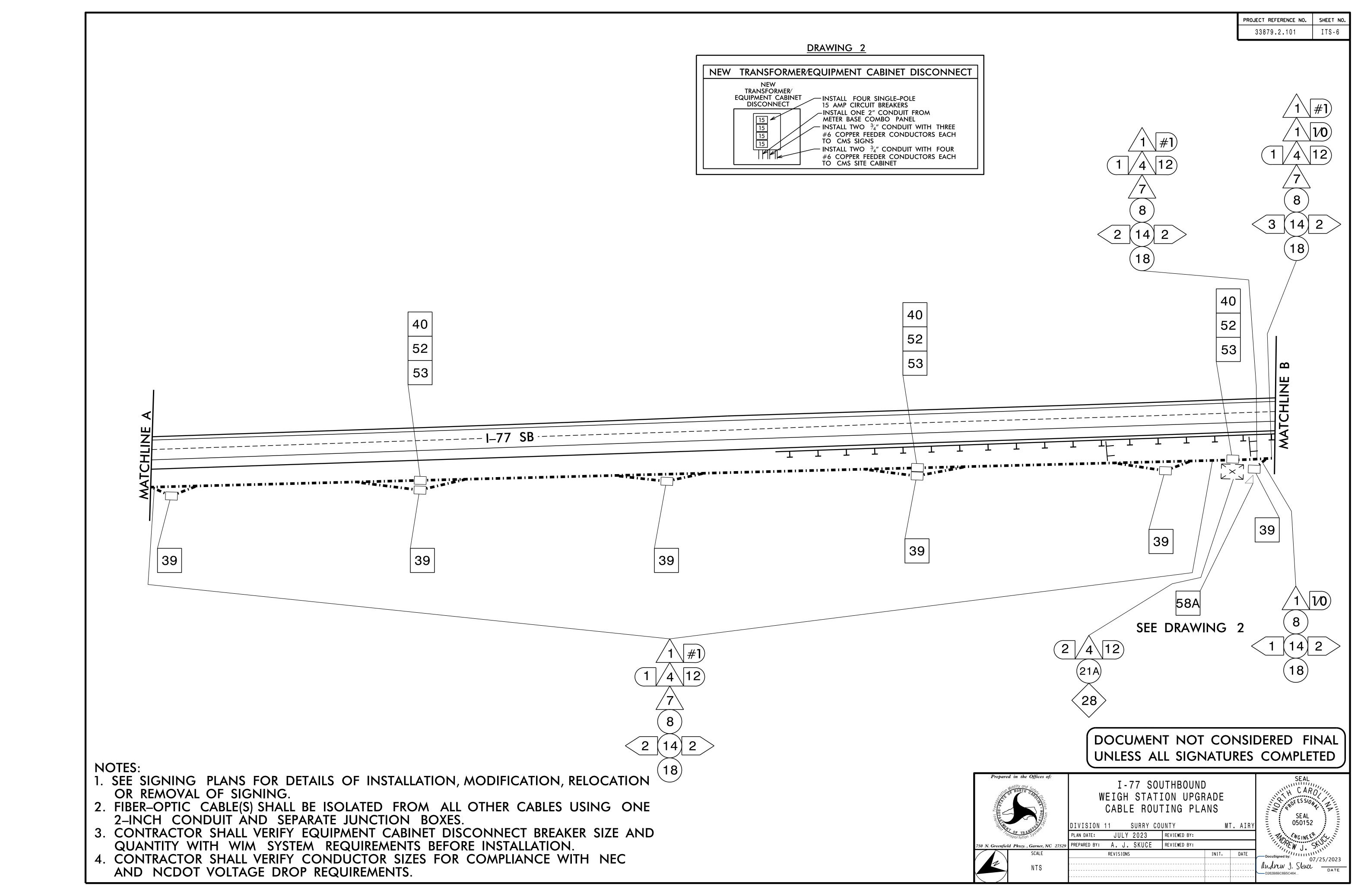
PREPARED BY: A J SKILCE REVIEWED BY:

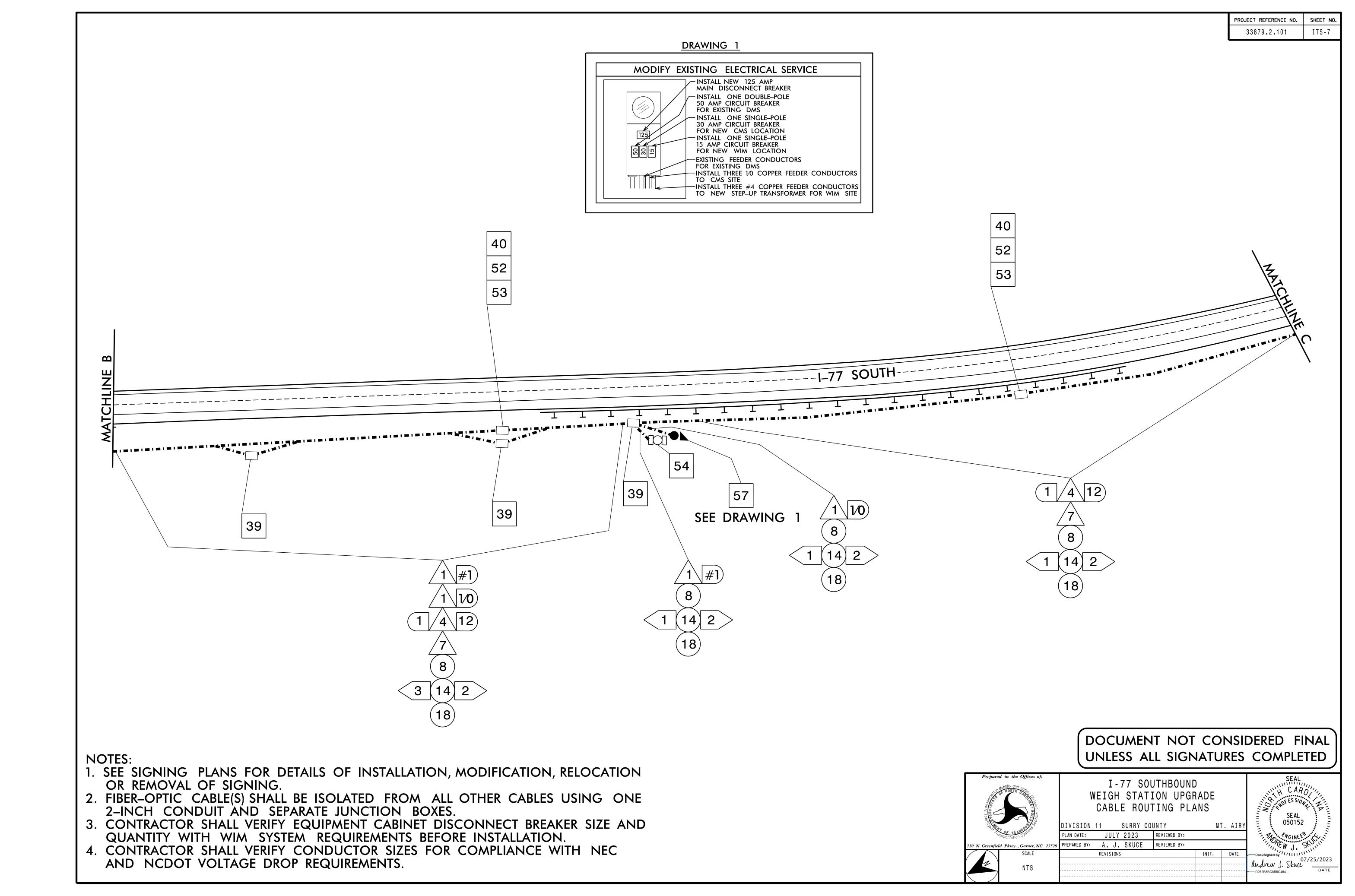
Greenfield Pkwy., Garner, NC 27529 PREPARED BY: A. J. SKUCE REVIEWED BY:

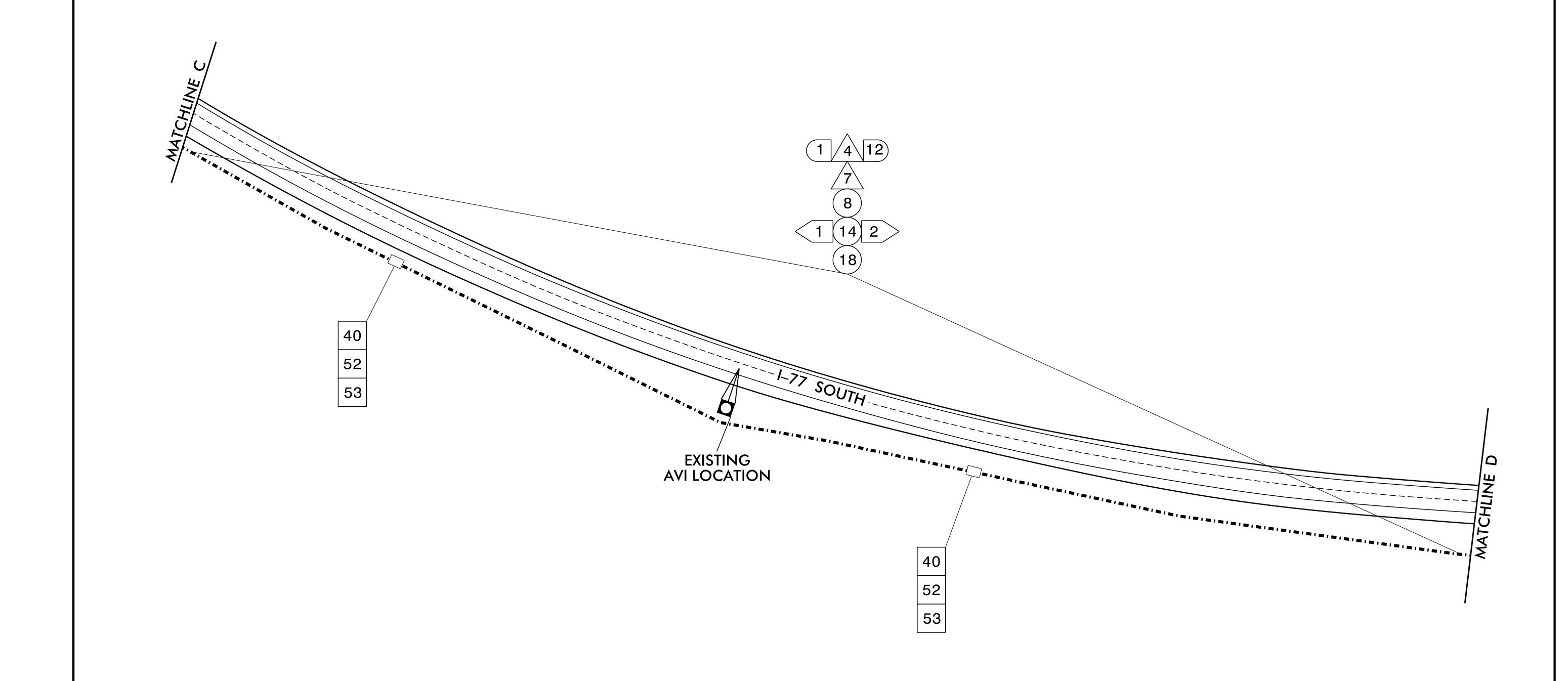
SCALE REVISIONS INIT. DATE

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NOTES:

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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



I-77 SOUTHBOUND WEIGH STATION UPGRADE CABLE ROUTING PLANS

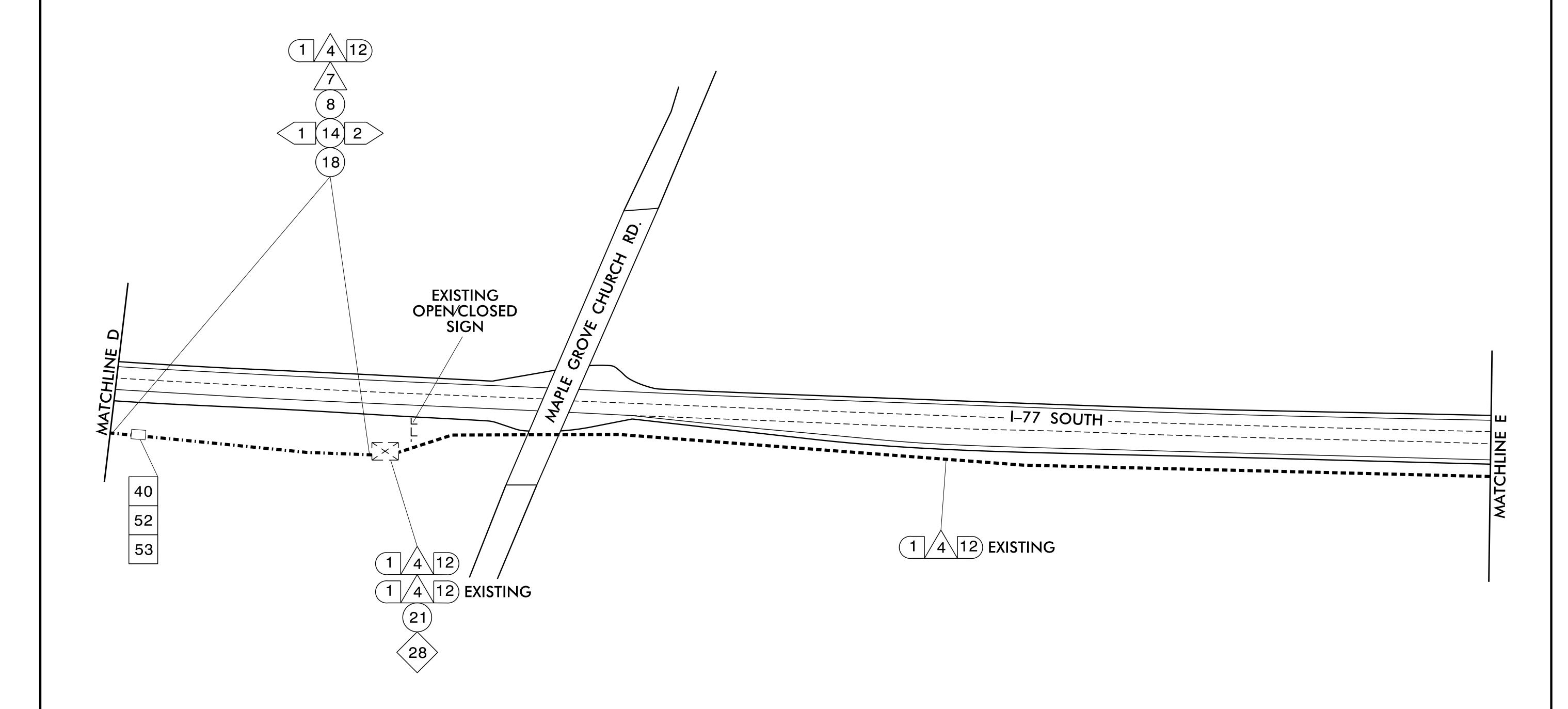
DIVISION 11 SURRY COUNTY MT. AIRY

PLAN DATE: JULY 2023 REVIEWED BY:

PREPARED BY: A. J. SKUCE REVIEWED BY:

SCALE REVISIONS INIT. DATE

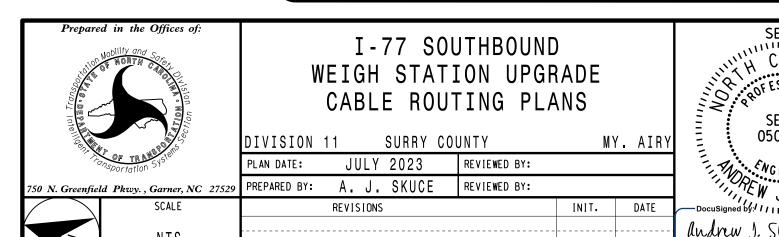


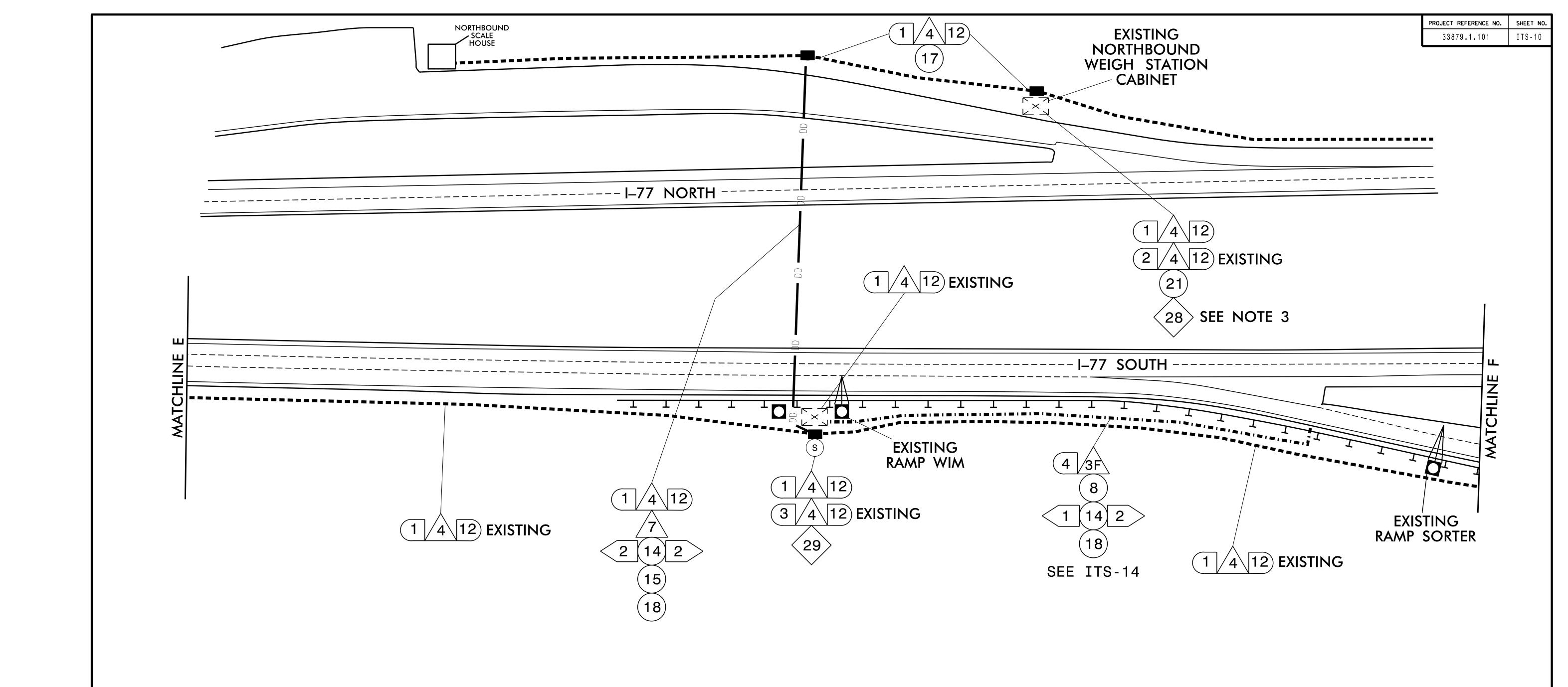


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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

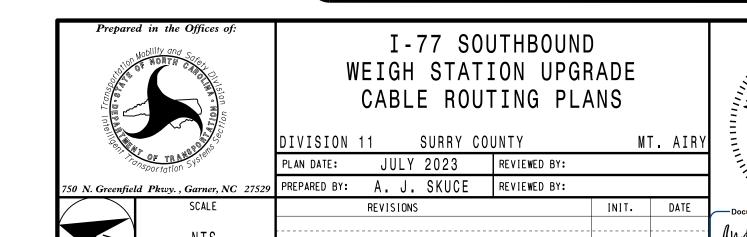


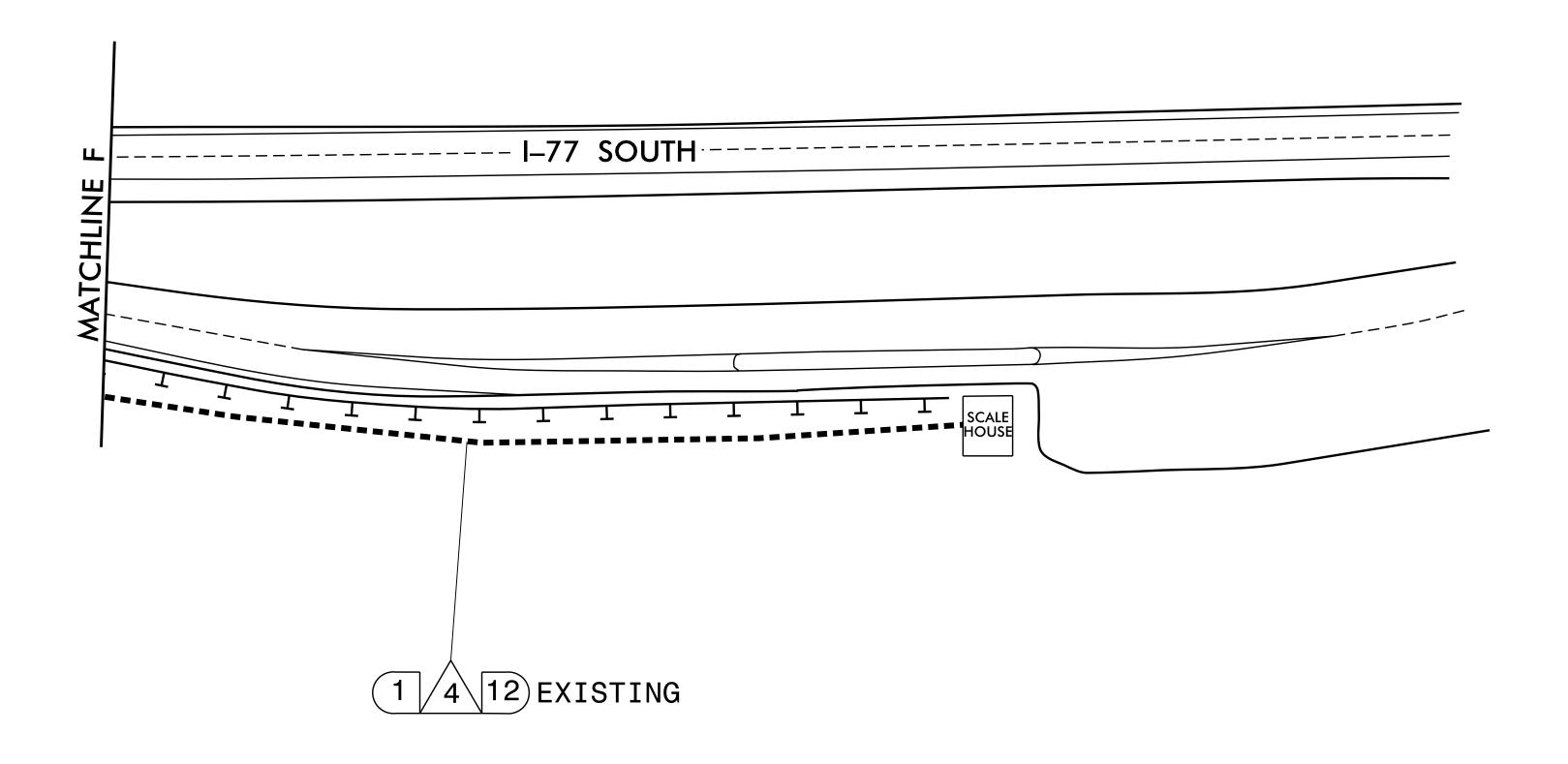


NOTES:

- 1. SEE SIGNING PLANS FOR DETAILS OF INSTALLATION, MODIFICATION, RELOCATION OR REMOVAL OF SIGNING.
- FIBER-OPTIC CABLE(S) SHALL BE ISOLATED FROM ALL OTHER CABLES USING ONE 2-INCH CONDUIT AND SEPARATE JUNCTION BOXES.
 INSTALL NEW 12-FIBER CABLE IN NEW INTERCONENCT CENTER IN EXISTING
- NORTHBOUND STATION CABINET. SEE SPLICE DETAILS FOR SPLICING REQUIREMENTS.
- 4. MAINTAIN AND INTEGRATE EXISTING RAMP WIM.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

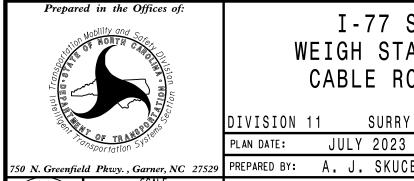




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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



I-77 SOUTHBOUND WEIGH STATION UPGRADE CABLE ROUTING PLANS

DIVISION 11 SURRY COUNTY MT. AIRY
PLAN DATE: JULY 2023 REVIEWED BY:

N. Greenfield Pkwy., Garner, NC 27529 PREPARED BY: A. J. SKUCE REVIEWED BY:

SCALE

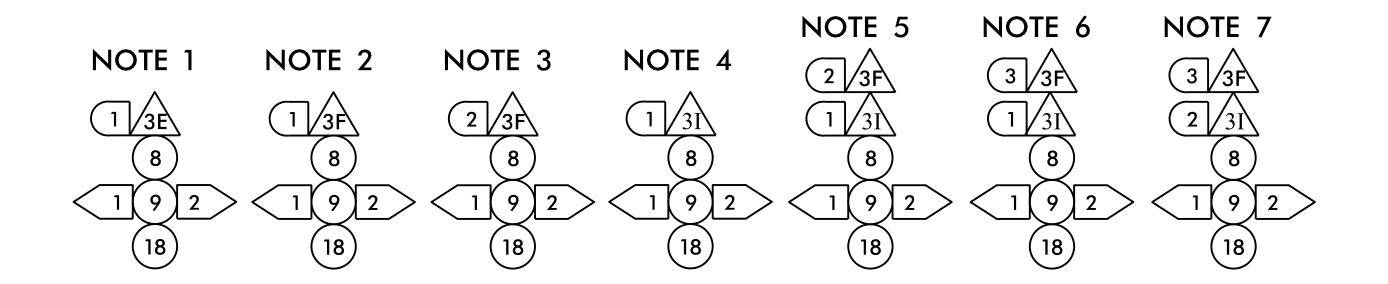
REVISIONS

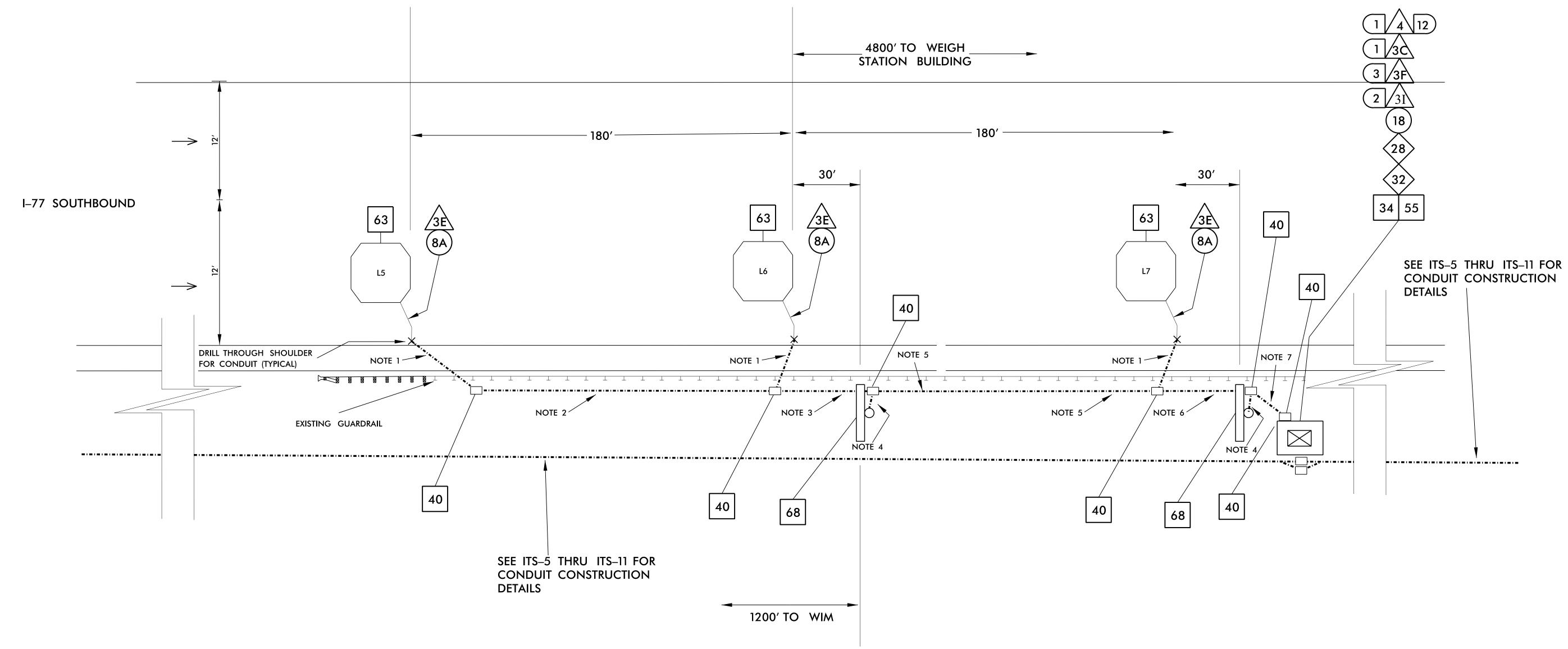
INIT. DATE



PROJECT REFERENCE NO. | SHEET NO. 33879.2.101 | ITS-1 TMS DETAIL LAYOUT NOTE 5 NOTE 6 NOTE 2 NOTE 3 NOTE 4 NOTE 1 3 3 (8A) 12.0' TYP. 75′ SENSOR SPACING SHOWN IS TYPICAL REQUIREMENT. ACTUAL SENSOR SPACING MAY BE ALTERED TO SUIT SITE CONDITIONS AND MANUFACTURER'S SPECIFICATIONS UPON APPROVAL BY THE ENGINEER. SEE INSET FOR **PIEZOELECTRIC** QUARTZ SENSOR \longrightarrow 5000' TO WEIGH 59 (PQS) LAYOUT STATION BUILDING SEE INSET FOR TIRE MONITORING SENSOR (TMS)LAYOUT I-77 SOUTHBOUND 63 (8A) EXISTING GUARDRAIL DRILL THROUGH SHOULDER FOR CONDUIT (TYPICAL) NOTE 1 NOTE 1 NOTE 1 NOTE 6 42 60' PQS DETAIL LAYOUT NOTE 3 5.5' MAX. 12' MAX. 62 6.56′ 13.1' MIN. 16.4' MAX. SENSOR LENGTHS SENSOR SPACING SHOWN IS TYPICAL REQUIREMENT. ACTUAL SENSOR SPACING MAY BE ALTERED TO SUIT SITE CONDITIONS AND MANUFACTURER'S SPECIFICATIONS UPON APPROVAL BY THE ENGINEER. ADVANCE LOCATION AND WIM DETAIL **NOTES:** A. EXISTING FIBER OPTIC CABLE AND CONDUIT SYSTEM RUNS FROM THE WEIGH STATION BUILDING TO THE EXISTING "OPEN/CLOSED" SIGN. IN ADDITION, THERE IS AN EXISTING QUEUE DETECTION SYSTEM AND OVERHEAD LIGHTING CIRCUITS ON THE RAMP. MT. AIRY DIVISION 11 SURRY COUNTY PLAN DATE: SEPTEMBER 2023 REVIEWED BY: BEFORE BEGINNING ANY UNDERGROUND WORK CONTACT THE DIVISION TRAFFIC ENGINEER TO LOCATE THE EXISTING PREPARED BY: A. J. SKUCE UNDERGROUND COMPONENTS. REVISIONS INIT. DATE Andrew J. Skua 09/19/2023 B. PIEZOELECTRIC QUARTZ SENSOR AND INDUCTIVE LOOP SAW SLOTS, INCLUDING TAIL AND LEAD–IN SECTIONS, MUST BE <u>DRY CUT</u>.

NOT TO SCALE



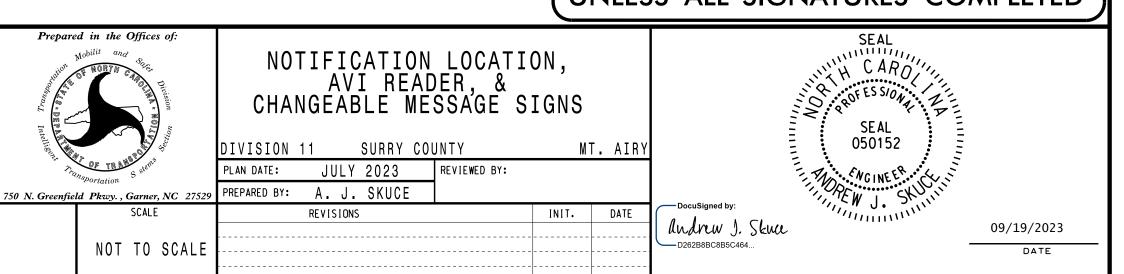


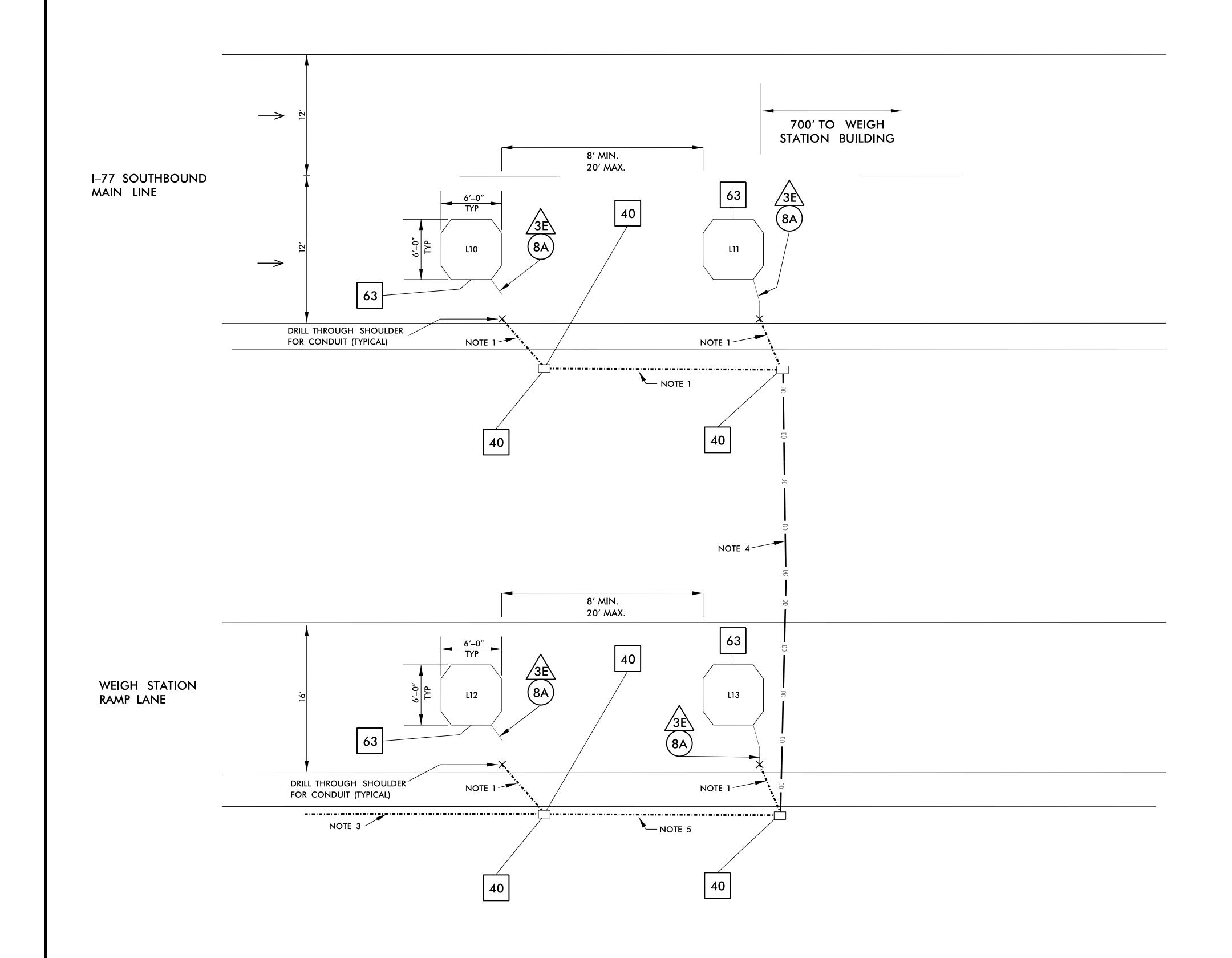
NOTES:

- A. EXISTING FIBER OPTIC CABLE AND CONDUIT SYSTEM RUNS FROM THE WEIGH STATION BUILDING TO THE EXISTING "OPEN/CLOSED" SIGN. IN ADDITION, THERE IS AN EXISTING QUEUE DETECTION SYSTEM AND OVERHEAD LIGHTING CIRCUITS ON THE RAMP.

 BEFORE BEGINNING ANY UNDERGROUND WORK CONTACT THE DIVISION TRAFFIC ENGINEER TO LOCATE THE EXISTING UNDERGROUND COMPONENTS.
- B. INDUCTIVE LOOP SAW SLOTS, INCLUDING TAIL AND LEAD-IN SECTIONS, CAN BE WET CUT AT THIS LOCATION.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED





NOTE 1 NOTE 2 NOTE 3

1 3F 2 3F 4 3F 8

1 9 2 1 9 2

1 8 8

NOTE 4 NOTE 5

2 3F 3 3F 8

2 14 2 8

15 1 9 2

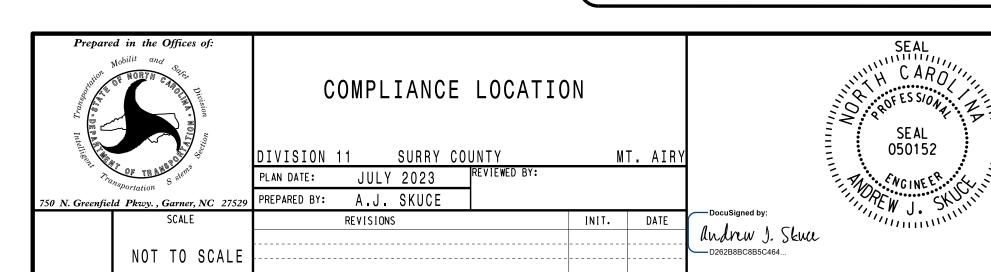
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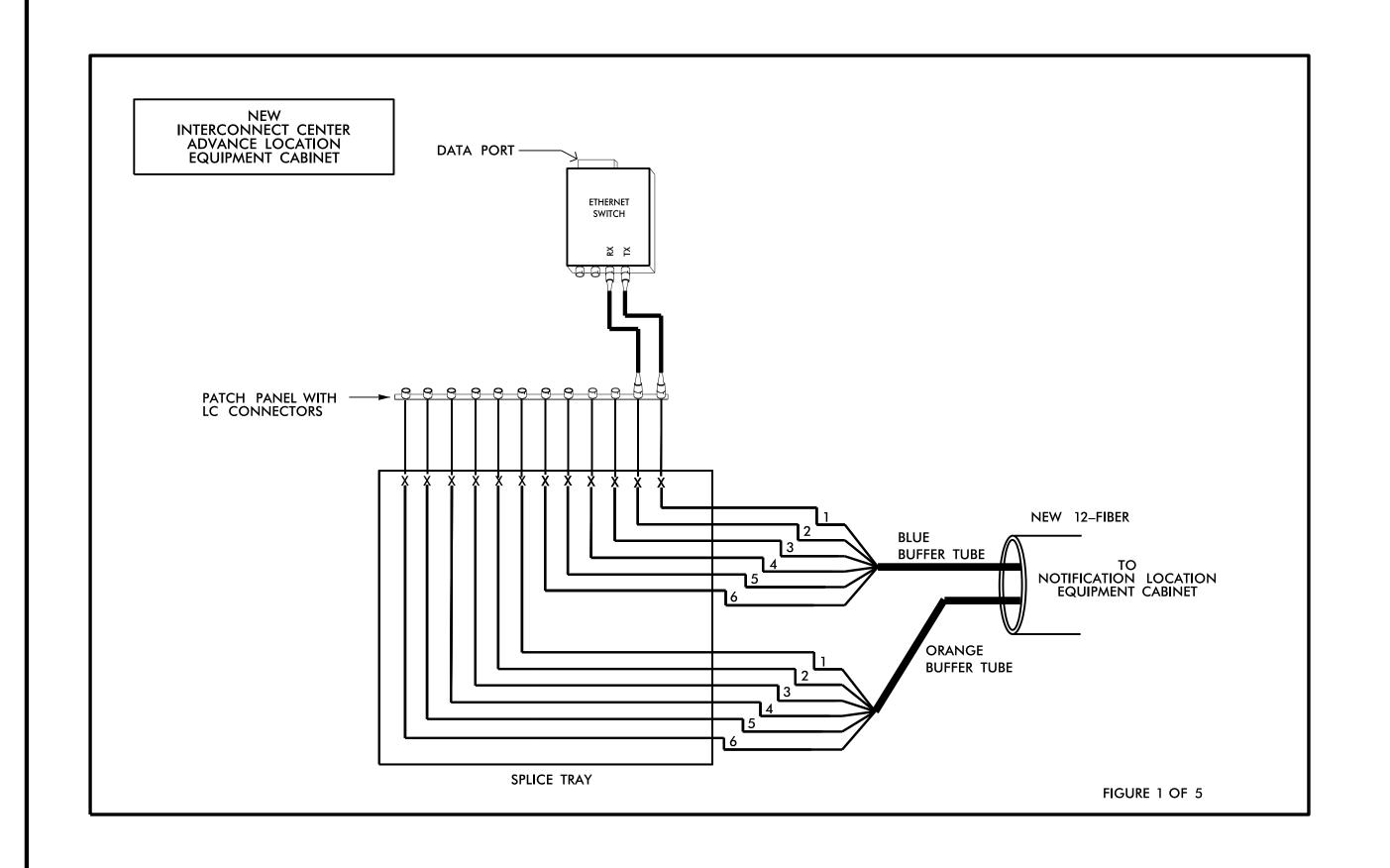
09/19/2023

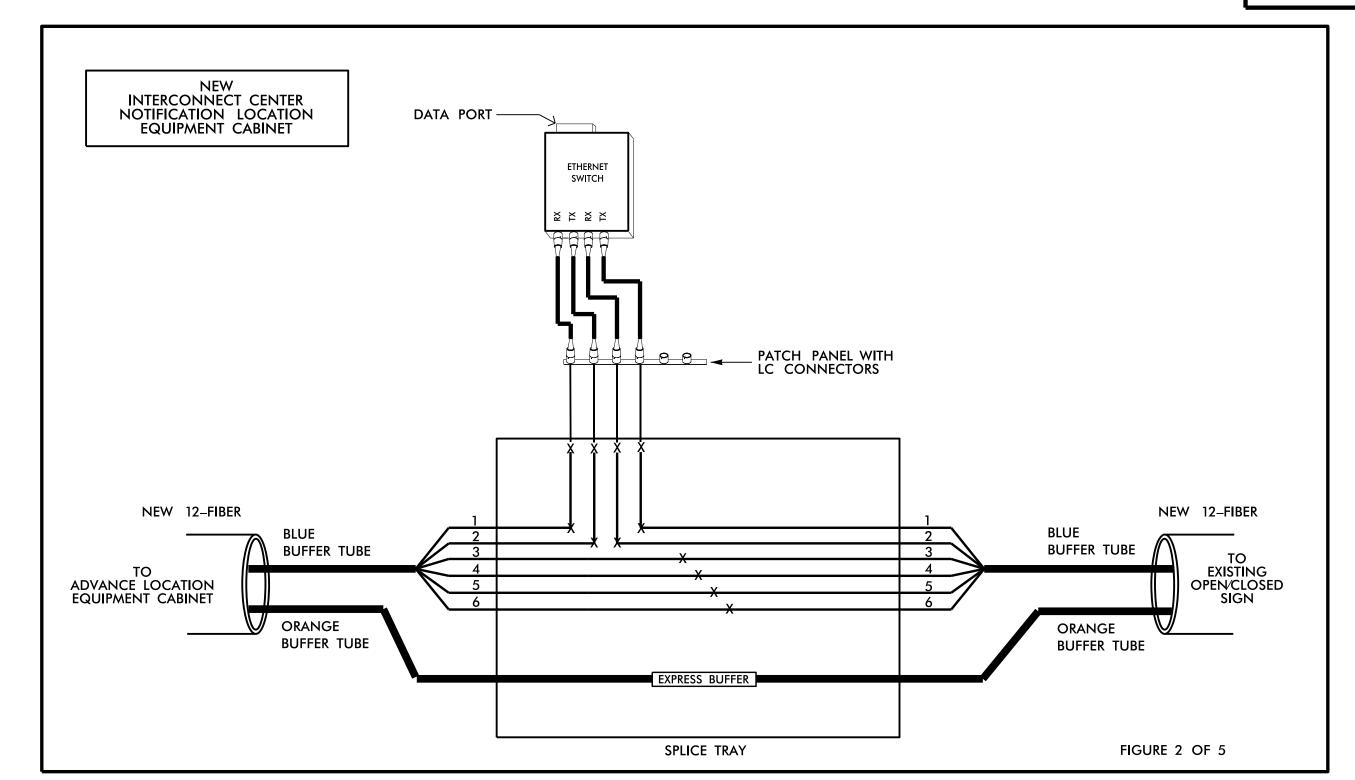
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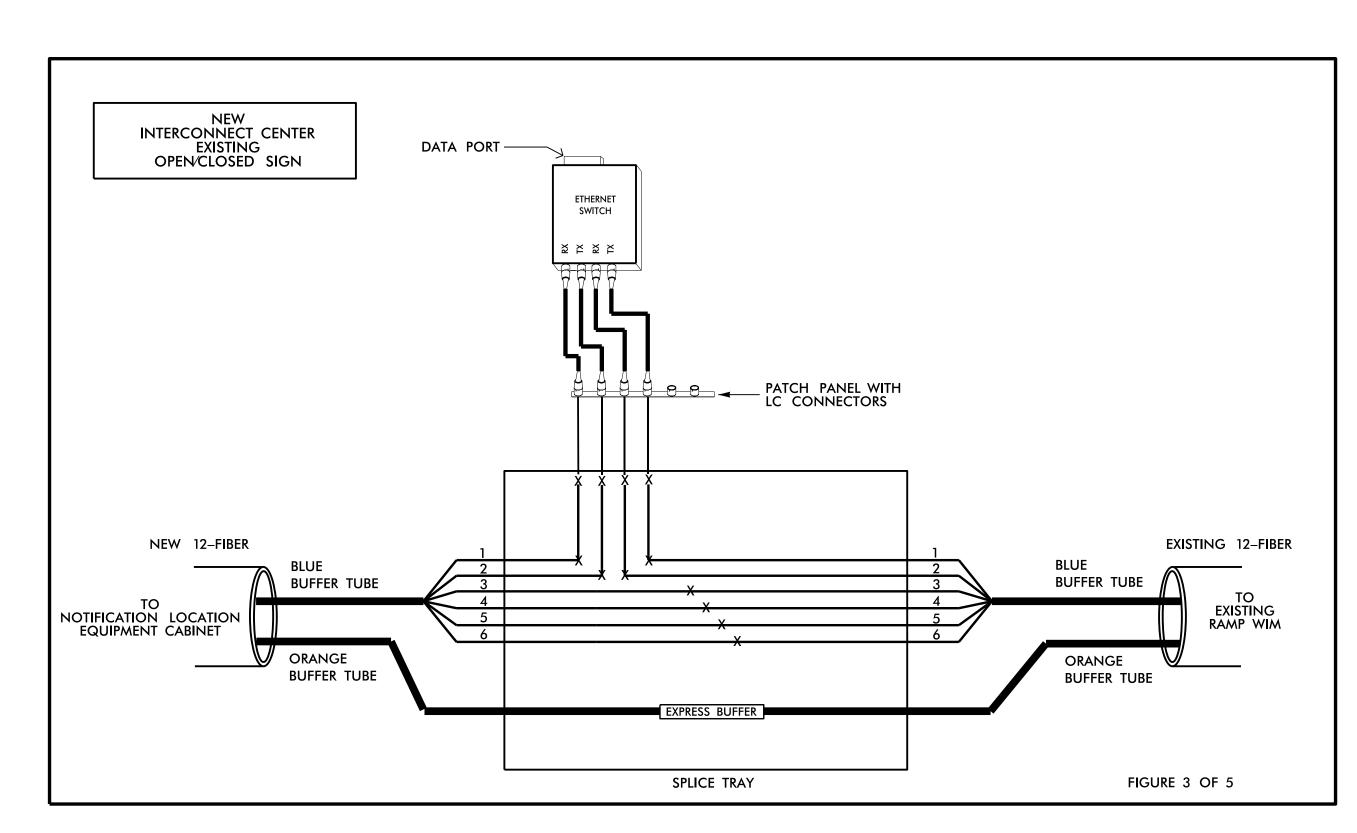
- A. EXISTING FIBER OPTIC CABLE AND CONDUIT SYSTEM RUNS FROM THE WEIGH STATION BUILDING TO THE EXISTING "OPEN/CLOSED" SIGN. IN ADDITION, THERE IS AN EXISTING QUEUE DETECTION SYSTEM AND OVERHEAD LIGHTING CIRCUITS ON THE RAMP.

 BEFORE BEGINNING ANY UNDERGROUND WORK CONTACT THE DIVISION TRAFFIC ENGINEER TO LOCATE THE EXISTING UNDERGROUND COMPONENTS.
- B. INDUCTIVE LOOP SAW SLOTS, INCLUDING TAIL AND LEAD-IN SECTIONS, CAN BE WET CUT AT THIS LOCATION.









COLOR CODE X = FUSION SPLICETIA/EIA 598-A C = CAP(1) BLUE (7) RED (2) ORANGE (8) BLACK (3) GREEN (9) YELLOW

(10) VIOLET

(4) BROWN

(5) SLATE (11) ROSE

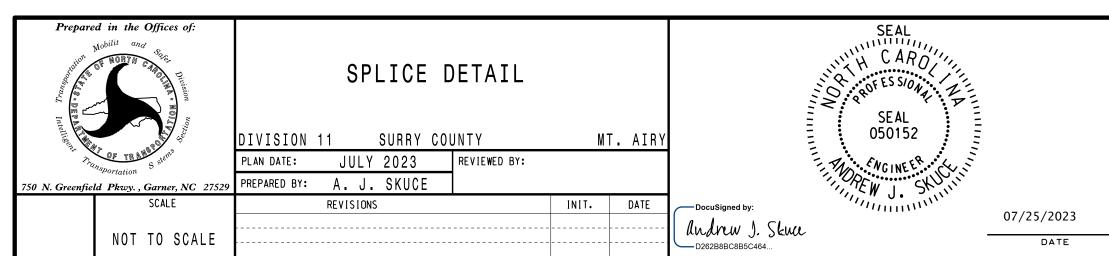
(6) WHITE (12) AQUA

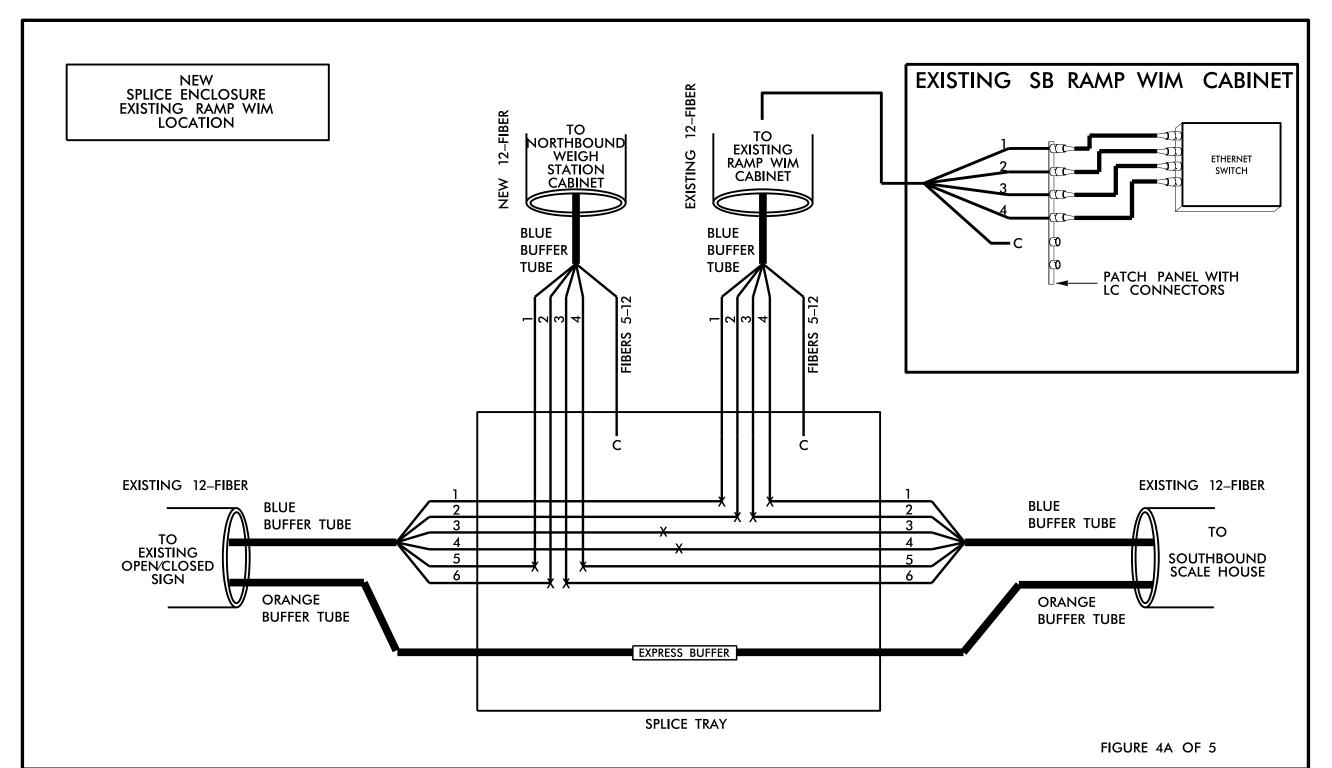
<u>LEGEN</u>D

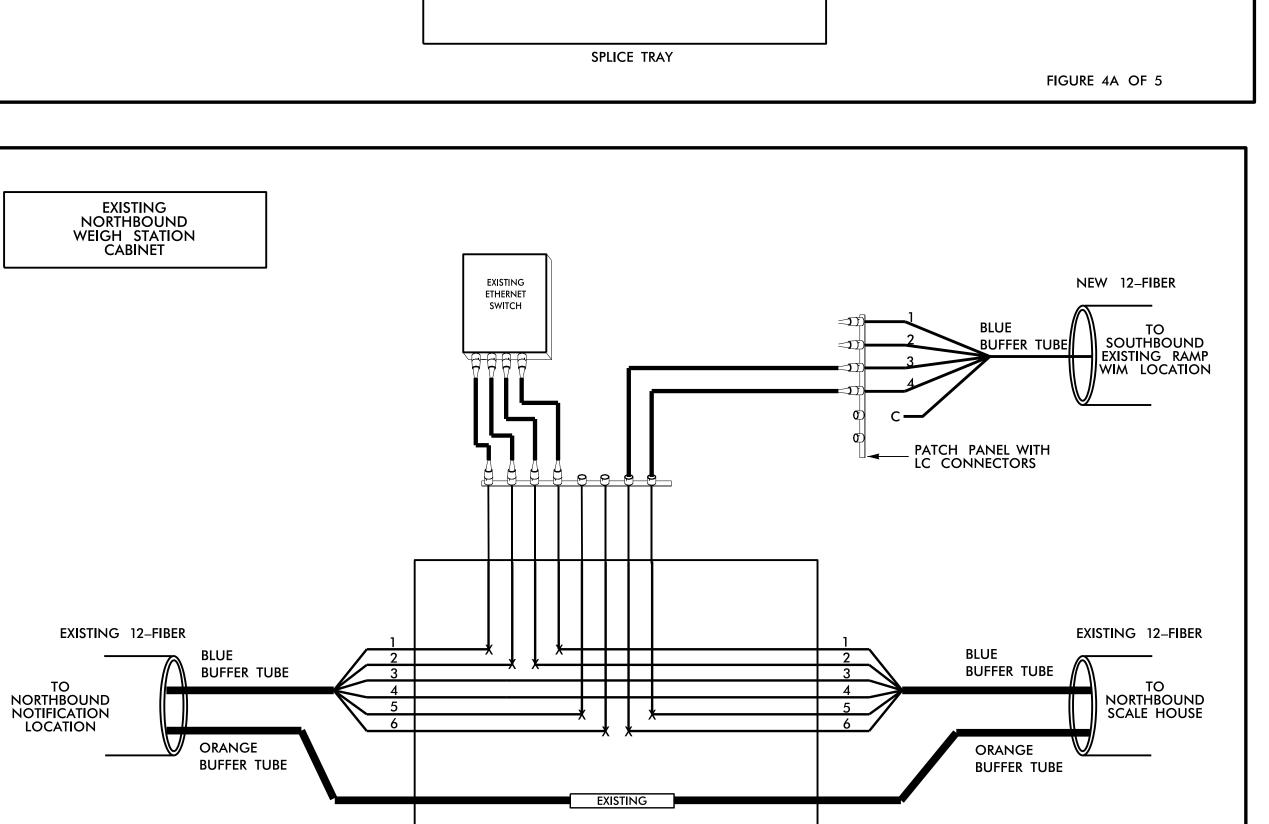
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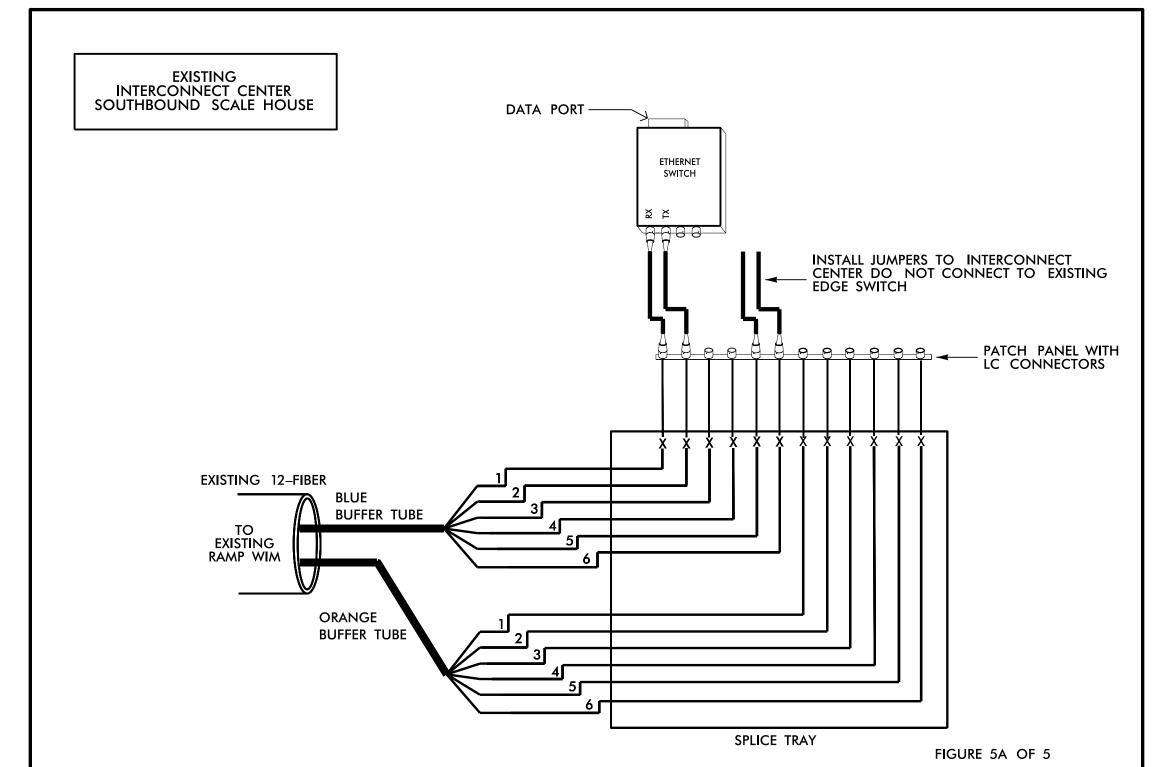
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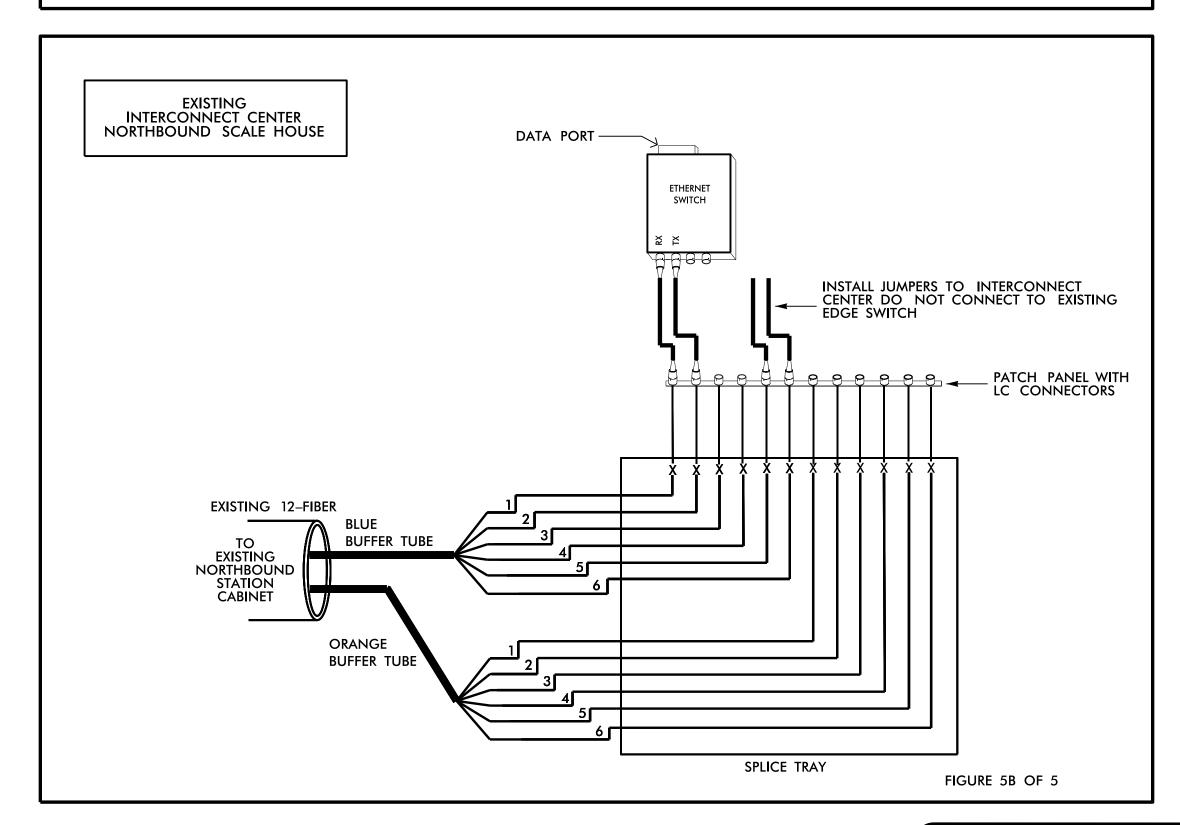
- 1. ETHERNET TERMINATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR ENSURING PROPER TERMINATIONS.
- 2. COIL AND STORE ALL UNUSED FIBERS IN SPLICE TRAY.
 3. COIL AND STORE ALL UNUSED BUFFER TUBES IN SPLICE TRAY.
- 4. SPLICE NEW FIBER AND RESPLICE EXISTING FIBER TO MATCH THESE SPLICE PLANS.











(2) ORANGE (8) BLACK (9) YELLOW (3) GREEN (10) VIOLET (4) BROWN (11) ROSE (5) SLATE

(1) BLUE

(6) WHITE

COLOR CODE

TIA/EIA 598-A

(7) RED

(12) AQUA

PROJECT REFERENCE NO.

33879.2.101

ITS-1

<u>LEGEND</u>

X = FUSION SPLICE

C = CAP

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

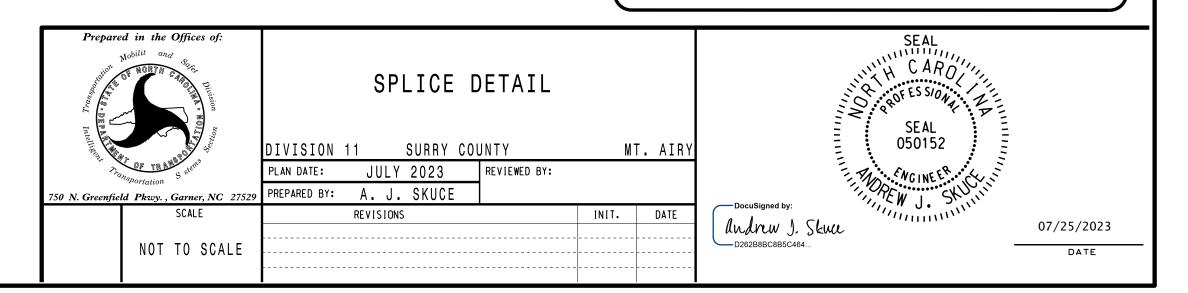
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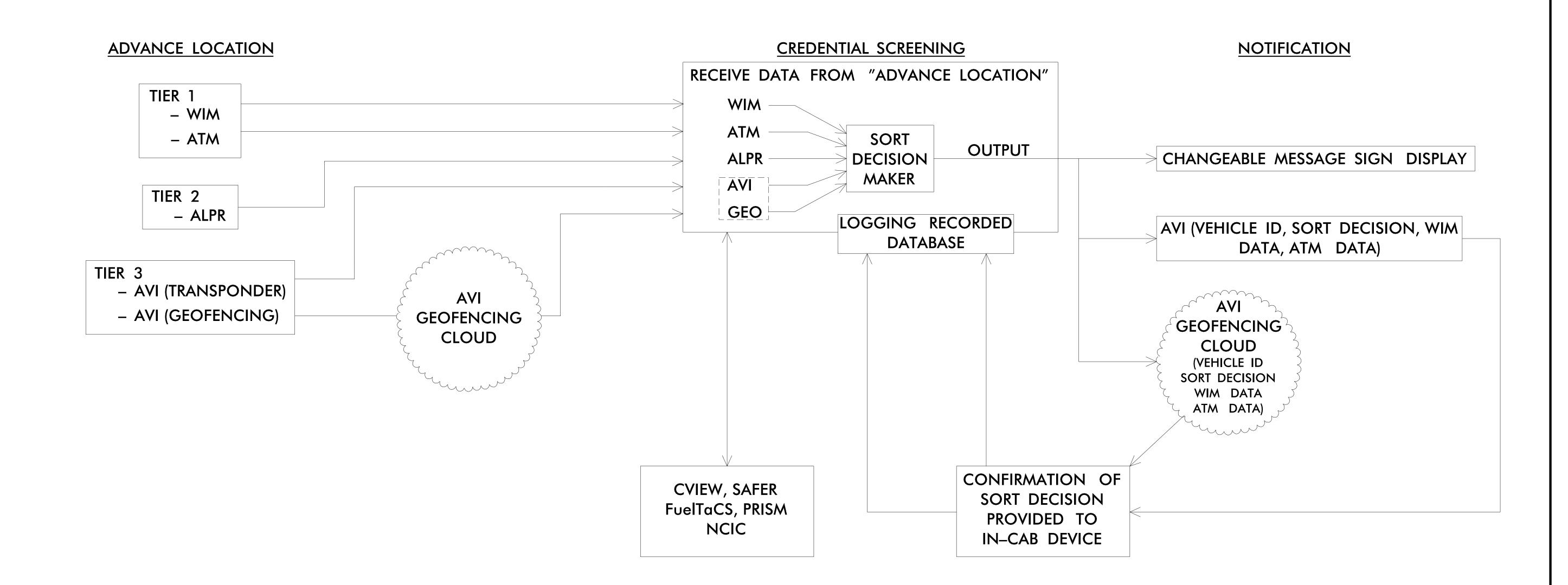
I. ETHERNET TERMINATIONS ARE GENERIC. CONTRACTOR IS RESPONSIBLE FOR ENSURING PROPER TERMINATIONS.

SPLICE TRAY

FIGURE 4B OF 5

- 2. COIL AND STORE ALL UNUSED FIBERS IN SPLICE TRAY.
- 3. COIL AND STORE ALL UNUSED BUFFER TUBES IN SPLICE TRAY.
- 4. SPLICE NEW FIBER AND RESPLICE EXISTING FIBER TO MATCH THESE SPLICE PLANS.
- 5. CONTRACTOR SHALL VERIFY EXSITING SPLICE ARRANGEMENT BEFORE MODIFYING EXISTING SPLICES.

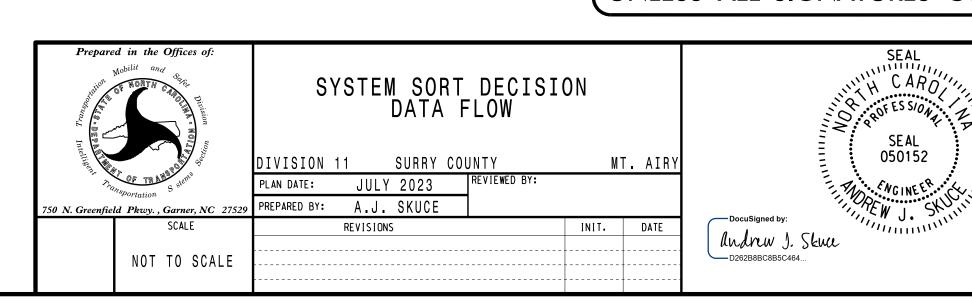




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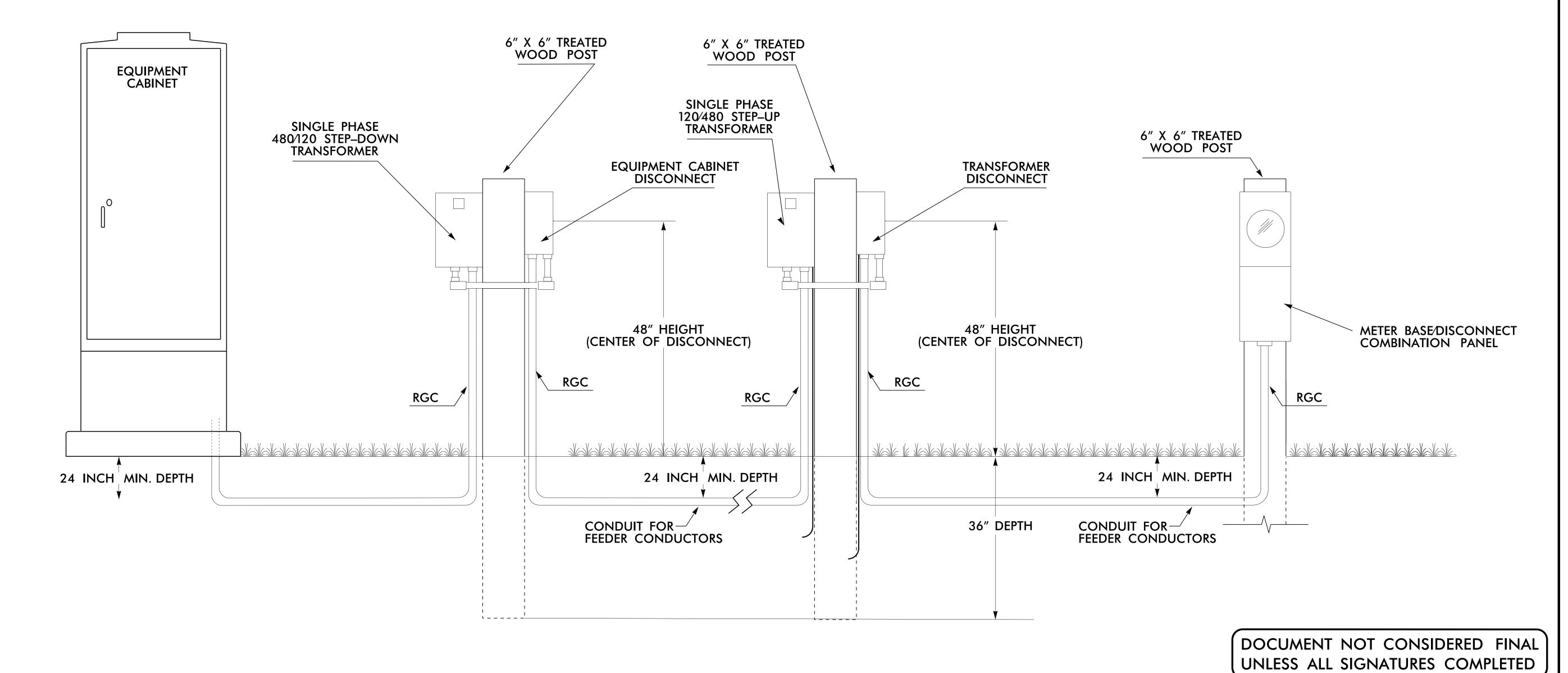
07/25/2023

DATE



PROJECT REFERENCE NO. 33879.2.101

DATE



NOTES:

1. DETAIL DRAWING IS FOR LAYOUT PURPOSES ONLY. CONTRACTOR SHALL INSTALL AND GROUND ALL TRANSFORMERS IN ACCORDANCE WITH ALL APPLICABLE ELECTRICAL CODES AND STANDARDS AND MANUFACTURER REQUIREMENTS. CONTRACTOR SHALL VERIFY ALL WIRE SIZES FOR APPROPRIATE VOLTAGE DROP.

Prepared in the Offices of:	STEP-UP / TRANSF	FORMER		. AIRY	SEAL CARO SEAL SEAL O50152	
Pransportation S steel	PLAN DATE: JULY 2023	REVIEWED BY:				
750 N. Greenfield Pkwy., Garner, NC 27529	PREPARED BY: A. J. SKUCE				NGINE CONTRACTOR	
SCALE	REVISIONS		INIT.	DATE	DocuSigned by:	0= (0= (0000
			-		andrew J. Skua	07/25/2023
	L		-		D262B8BC8B5C464	DATE

VBS: 33879.2.91

OIL LID

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

SIGNING PLAN SURRY COUNTY

I-74 EAST /I-77 SOUTHBOUND WEIGH STATION UPGRADE

PROJECT REFERENCE NO.

33879.2.91

SIGN-01

APPROVED:

Jose G. Martiney

4A7DB418C886461...

DATE:

07/24/2023

SEAL

SEAL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	<u>TITLE</u>
901.10	TYPE 'A' SIGNS
901.20	TYPE 'B' SIGNS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.20	SECONDARY SIGN MOUNTING
904.30	SUPPLEMENTAL SIGN MOUNTING

SUMMARY OF QUANTITIES ITEM DESCRIPTION ITEM NO. |QUANTITY| UNIT SECT. C.Y. 4054000000 PLAIN CONCRETE SIGN FOUNDATION 4060000000 4066000000 903 903 SUPPORTS, BREAKAWAY STEEL BEAM 314 930 LB. LB. SUPPORTS, SIMPLE STEEL BEAM EA. 4110000000 SIGN ERECTION, TYPE A (GROUND MOUNTED) EA. 4110000000 904 SIGN ERECTION, TYPE B (GROUND MOUNTED) 4152000000 DISPOSAL OF SIGN SYSTEM, STEEL BEAM EA. EA. 4158000000 DISPOSAL OF SIGN SYSTEM, WOOD 907 EA. 4236000000 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)

GENERAL NOTES

- . SIGNS FURNISHED BY STATE
- . CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- . DO NOT BEGIN FABRICATION FOR TYPES A & B SIGNS MOUNTED ON OVERHEAD STRUCTURES OR STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

PROJECT NOTES

- 1 DISPOSAL OF SIGN SYSTEM, WOOD
- 2 DISPOSAL OF SIGN SYSTEM, STEEL BEAM
- 3 DISPOSAL OF SIGN, A OR B (GROUND MOUNTED)
- 4 OPEN/CLOSE SIGN DEAD LOAD IS APPROXIMATELY 100 LBS. TO BE FIELD VERIFIED

INDEX

SHEET NO.

DESCRIPTION

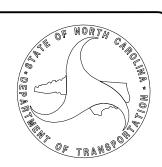
SIGN-1 SIGN-2 SIGN-3 SIGN-4-6 TITLE SHEET
SUPPORT INFORMATION
SIGN DESIGNS

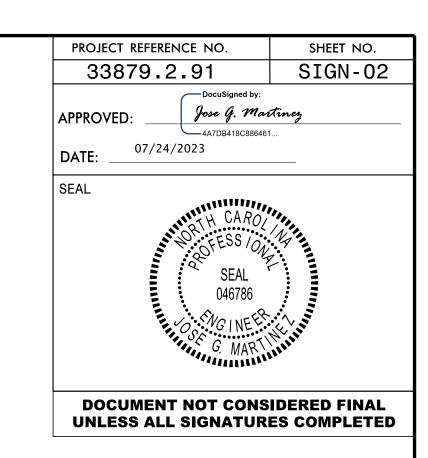
GN-4-6 SIGN DESIGNS
SIGNING PLAN SHEETS

PLAN PREPARED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT

K. L. JORDAN SIGNING & DELINEATION REGIONAL ENGINEER

J. G. MARTINEZ, PE SIGNING & DELINEATION PROJECT DESIGN ENGINEER





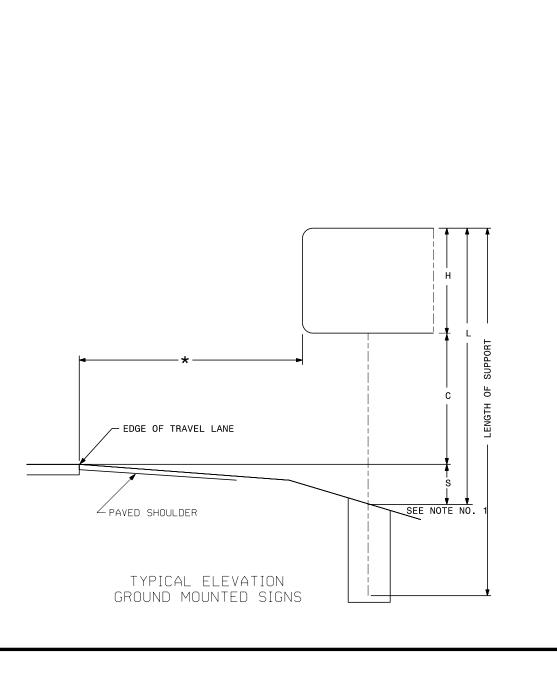
																								FOOTINGS				FIELD			
		SIGN	l		NUMBER		SUPPORT				HORIZONTAL			LENGTH	(ft)										SUPPORT	「WEIGHTS					VERIFIED
			SIZE (in.)	ROADWAY	OF	BEAM	TYPE	OMNI	ATTACHMENT	MOUNTING		SUPPORT	SNS HT	MTG HT	EMBED-	LEF"	SUPPOR	T (ft)	CENT	ER SUPPO	ORT (ft)	RIGH	HT SUPPO	RT (ft)	B/A	SIMPLE	DIAMETER	₹ DEPTH	REINFORCED		
1	NUMBER	TYPE	w x h	STATION	SUPPORTS	SECTION	BA or S	COUPLER	METHOD	METHOD	(ft.)	SPACING	"H"	"C"	MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	(lbs.)	(lbs.)	(ft.)	(ft.)	(c.y.)	(c.y.)	(mm/dd/yy)
	101	Α	96 x 72	SEE PLANS	2	S4x7.7	S	N/A	N/A	N/A	20.00	4.69	6.00	7.00	3.0	2.00	15.00	18.00	0.00	0.00	0.00	4.00	17.00	20.00	0.00	292.6	1.0	3.5	0.00	0.20	
	102	В	126 x 48	SEE PLANS	2	S4x7.7	S	N/A	N/A	N/A	20.00	6.15	4.00	7.00	3.0	2.50	13.50	16.50	0.00	0.00	0.00	5.00	16.00	19.00	0.00	273.35	1.0	3.5	0.00	0.20	
	103	В	126 x 48	SEE PLANS	2	S4x7.7	BA	N/A	N/A	N/A	18.00	6.15	4.00	7.00	3.0	3.00	14.00	17.00	0.00	0.00	0.00	4.50	15.50	18.50	313.35	0	1.0	3.5	0.00	0.20	
	CMS-1	В	128 x 31	SEE ITS	2	S3x5.7	S	N/A	N/A	N/A	20.00	6.25	2.58	7.00	2.5	3.00	12.58	15.08	0.00	0.00	0.00	4.50	14.08	16.58	0.00	180.5	1.0	3	0.00	0.17	
	CMS-2	В	128 x 31	SEE ITS	2	S3x5.7	S	N/A	N/A	N/A	20.00	6.25	2.58	7.00	2.5	3.00	12.58	15.08	0.00	0.00	0.00	5.00	14.58	17.08	0.00	183.35	1.0	3	0.00	0.17	
	701	А	114 x 60	SEE PLANS	2	EXISTING	EXISTING	N/A	N/A	N/A			-									-				-	-				

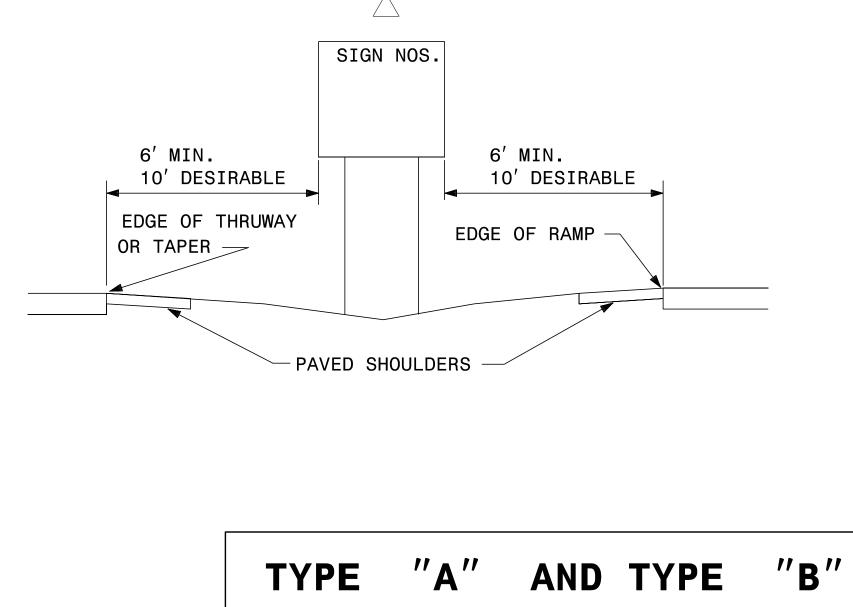
TOTAL TOTAL TOTAL TOTAL 313.35 929.80 0.00 0.94 314.00 930.00

* DO NOT BEGIN FABRICATION FOR TYPES A&B SIGNS MOUNTED ON STEEL SUPPORT UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED

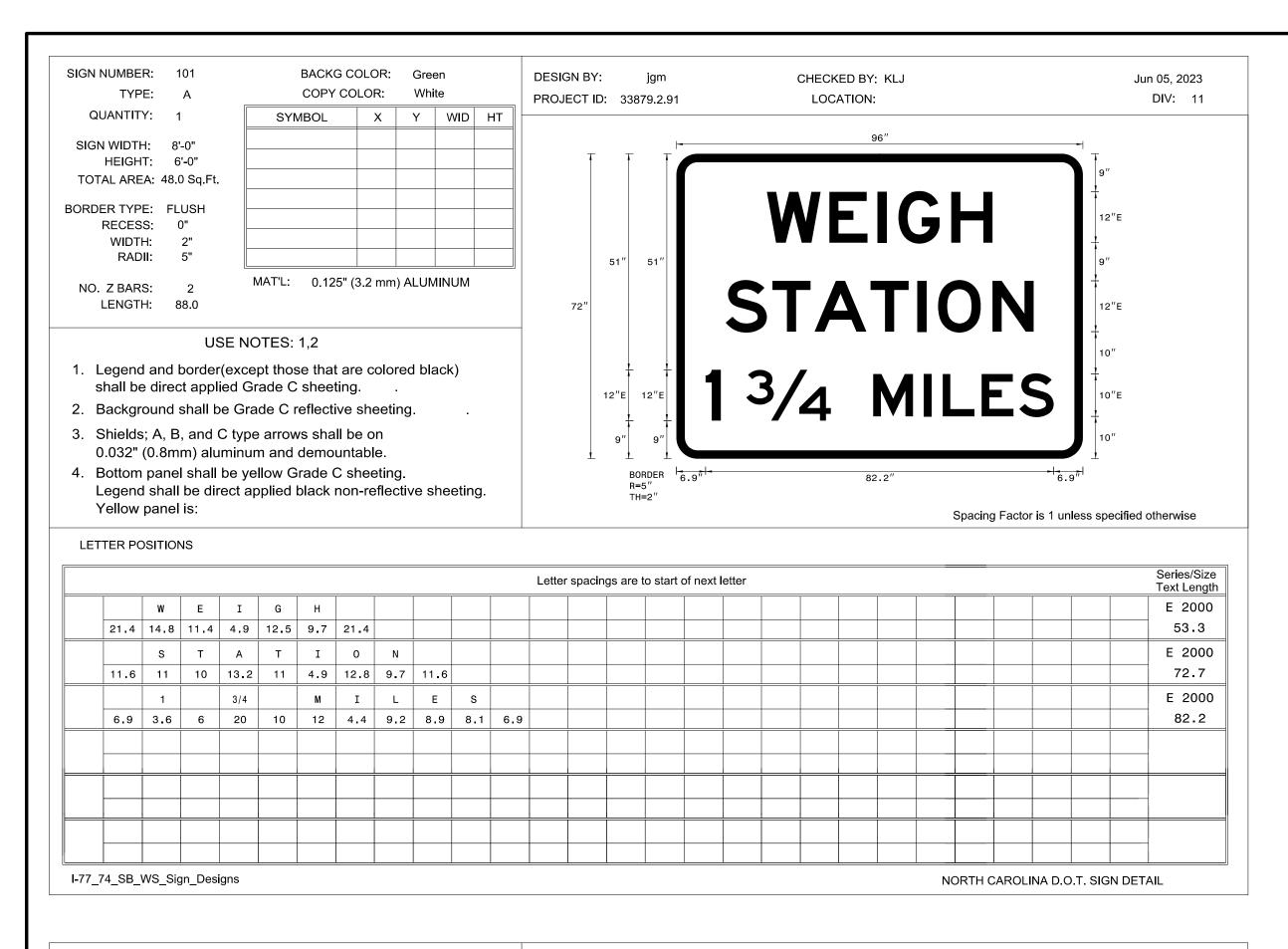
NOTES

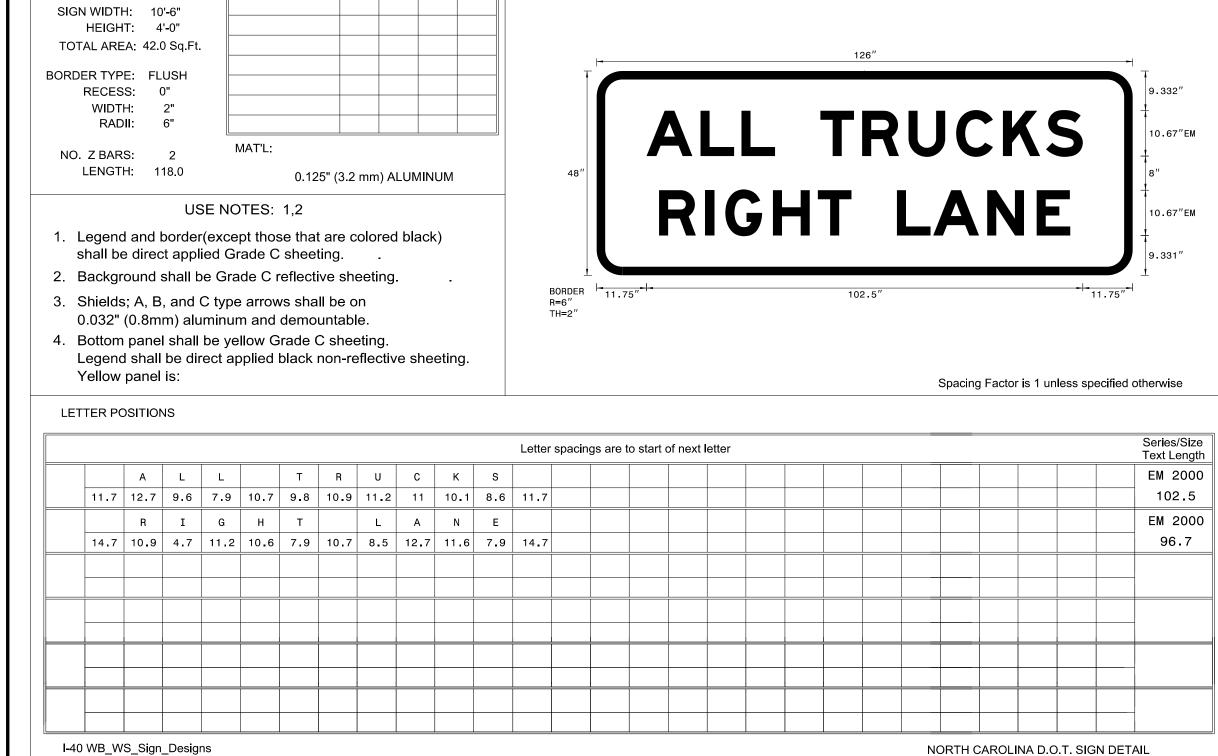
- 1. DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE.
- 2.FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3.
 FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1.
 (*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES
- 3. PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.





GROUND MOUNTED SIGNS



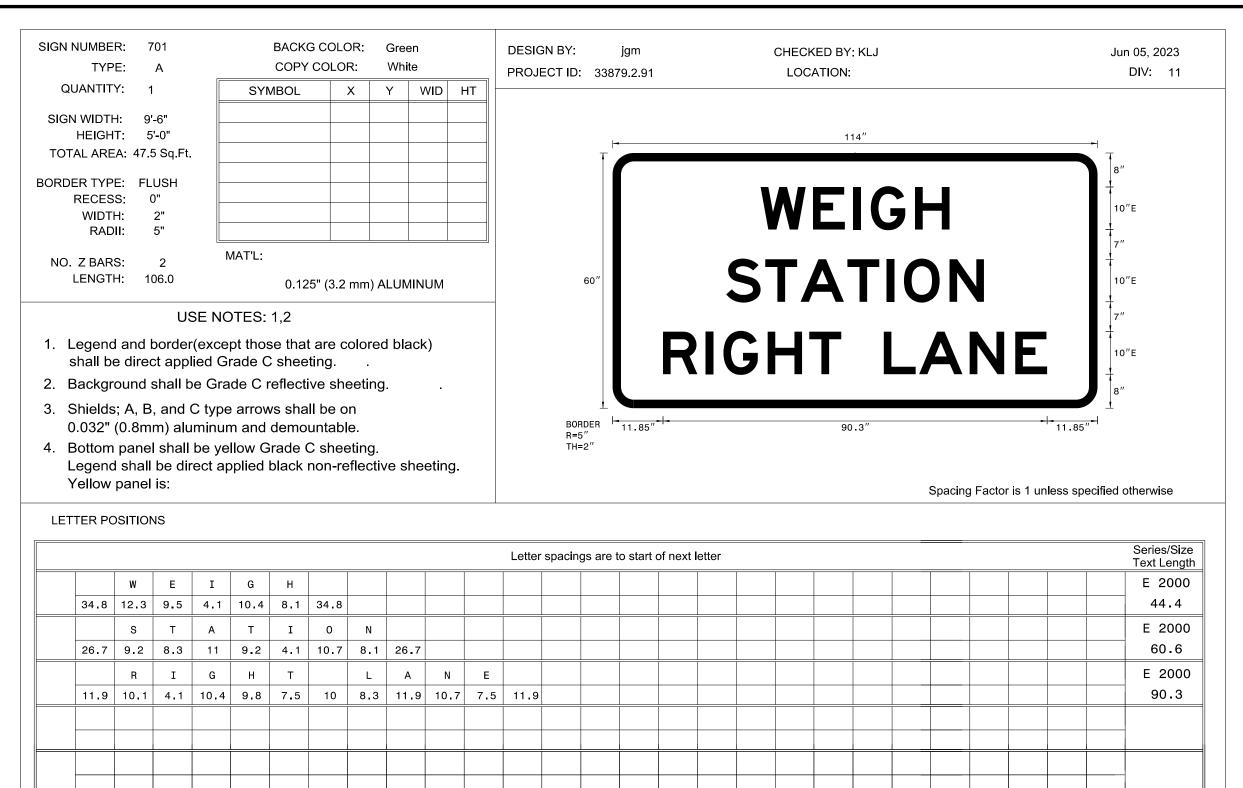


DESIGN BY: jgm

PROJECT ID: 33879.2.91

CHECKED BY: KLJ

LOCATION:



I-40 WB_WS_Sign_Designs

Jun 05, 2023

DIV: 11

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Jose G. Martinez

PROJECT REFERENCE NO.

33879.2.91

07/24/2023

APPROVED:

DATE:

SEAL

NORTH CAROLINA D.O.T. SIGN DETAIL

SHEET NO.

SIGN-03

SIGN NUMBER: 102, 103

TYPE:

QUANTITY: 2

BACKG COLOR: White

COPY COLOR: Black

SYMBOL X Y WID HT

