

ADDENDUM NO. 1

City of Franklin, TN
Engineering Department
109 Third Avenue South, Suite 133
Franklin, TN 37064

Project:	Franklin ITS Extension
	CEI Services
TDOT PIN:	116144.00
Contract No:	2024-0247
Federal Project No:	STP-M-9305(26)
State Project No:	94LPLM-F3-039

Date of Issuance: July 3, 2024

You are directed to make the following change(s) in the Bidding Documents:

I) Questions Received from Consultant(s) (in RED) and City Responses (in BLUE):

A) Is it acceptable for the LOI to be emailed to you, or does it need to be hand delivered to you?

Either method is acceptable. However, it is the responsibility of the consultant to ensure that the Letter of Interest (LOI) is delivered by the deadline of **2:00 PM on July 11, 2024**, as no late submissions will be considered. Also, for any hard copy LOI submittal, the City respectfully requests that an **exact** copy of the LOI submittal be provided in a digital PDF format.

Also, while the Engineering Department entrance (shared with the Planning & Sustainability Department) is Suite 133 in City Hall, we do **not** have a permanent public reception area. Therefore, any hard copy LOIs will need to be delivered to the front desk of the **Building & Neighborhood Services (BNS) Department**, which is in **Suite 110** of City Hall.

Hard copy submittals, should be submitted in a **sealed envelope**, with the following details clearly written or labeled on the envelope:

<p>Franklin ITS Extension – CEI Services Letter of Interest (LOI) Submittal Submittal Deadline – July 11, 2024, at 2:00 PM (CDT) TDOT PIN No. 116144.00 / COF Project No. 2014-018 Federal Project No. STP-M-9305(26) State Project No. 94LPLM-F3-039 Name of Prime Consultant</p>
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It is the responsibility of the delivering party to ensure that the envelope is date and time stamped by a City of Franklin employee prior to the stated submittal deadline. **No late submissions will be considered.**

B) If a hard copy is to be submitted, how many copies should be delivered?

If hard copies are provided, please provide at least **three (3) hard copies**, along with an *exact* digital copy of the submittal in PDF format.

C) No page limit was mentioned on the LOI. Is there a page limit?

There is **no** page limit for this Letter of Interest (LOI) submittal.

D) At this point, are project plans available?

Yes, a “draft” set of construction plans is available and is included with this addendum. However, please note that these plans are “draft” and are subject to change.

E) What type of traffic signal controllers will need database conversion with these CEI services?

The firm/team selected to perform CEI services for this project is expected to assist with the configuration and installation of multiple Advanced Transportation Controllers (ATCs), which will require traffic signal timing database conversion from **Siemens SEPAC database to Q-Free ATC XN database**.

II) Additional Instructions:

Please **acknowledge all addenda** in the cover letter for your Letter of Interest (LOI) that is submitted to the City. A simple note stating that each addendum, referenced individually by number and date of issuance, has been received and reviewed is acceptable.

III) Attachment – “Draft” Construction Plans, dated June 13, 2024 (PDF format)

END of Addendum

Index Of Sheets

SEE SHEET NO. 1A

TENN.	YEAR	SHEET NO.
	2024	1
FED. AID PROJ. NO.	STP-M-9305(26)	
STATE PROJ. NO.	94LPLM-F3-039	

CITY OF FRANKLIN, TENNESSEE

WILLIAMSON COUNTY

VARIOUS CORRIDORS IN FRANKLIN - ITS INFRASTRUCTURE EXPANSION

CONSTRUCTION

STATE HIGHWAY NO. N/A F.A.H.S. NO. N/A

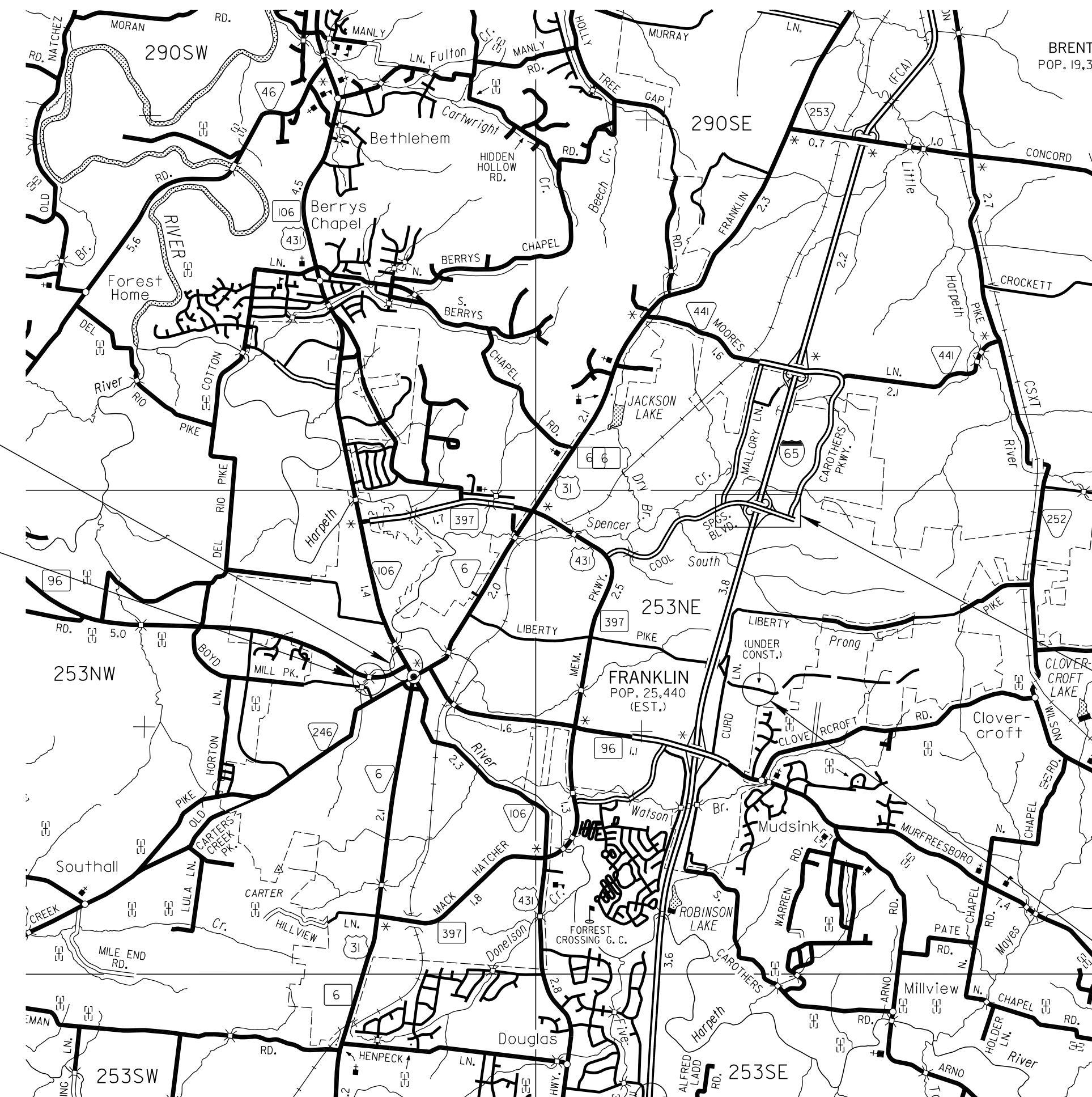
LOCALLY LET PROJECT

LOCALLY MANAGED PROJECT

THIS PROJECT DOES NOT REQUIRE ANY R.O.W. AQUISITION OR EASEMENTS.

UNOFFICIAL SET NOT FOR BIDDING

NO EXCLUSIONS



SR 96 W @ FIFTH AVENUE N
E 1710036.1667'
N 580706.1971'

SR 96 W @ 11TH AVENUE N
E 1708015.8184'
N 580155.2491'

NO FIELD SURVEY WAS CONDUCTED. COORDINATES ARE BASED OFF OF THE CITY OF FRANKLIN GIS MAPPING.

COOL SPRINGS EXTENSION @ I-65
E 1725797.7372'
N 588530.2739'

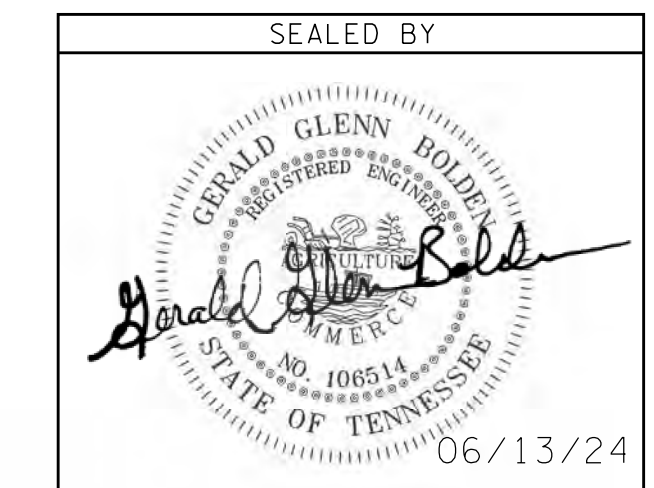
LIBERTY PIKE @ CAROTHERS PKWY
E 1726625.7245'
N 579593.6554'

SR 248 @ I-65 NB RAMPS
E 1722202.8437'
N 556595.5977'

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE DIRECTOR IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2021 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.



APPROVED:

Paul P. Holzen

PAUL HOLZEN, P.E.
DIRECTOR / CITY ENGINEER

JUN. 13, 2024

DATE

DESIGNED BY GERALD BOLDEN, P.E., P.T.O.E. CHECKED BY SMR

P.E. NO. 94LPLM-F1-038

PIN NO. 116144.00

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STANDARD ROADWAY DRAWINGS

DWG. NO.	REV.	DESCRIPTION
STANDARD ROADWAY TITLE SHEET, ABBREVIATIONS, AND LEGENDS.		
RD-A-1	02-20-20	STANDARD ABBREVIATIONS A THROUGH L
RD-A-2		STANDARD ABBREVIATIONS M THROUGH Z
RD-L-1	02-20-20	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD-L-2	02-20-20	STANDARD LEGEND FOR UTILITY INSTALLATIONS
RD-L-3	03-01-23	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING
RD-L-4	02-20-20	STANDARD LEGEND FOR SIGNALIZATION AND LIGHTING

SAFETY DESIGN AND GUARDRAILS		
S-CZ-1	06-28-19	CLEAR ZONE CRITERIA

DESIGN - TRAFFIC CONTROL		
T-WZ-40	03-05-17	RIGHT LANE CLOSURES AT NEAR SIDE OF INTERSECTIONS
T-WZ-50	04-02-12	TRAFFIC CONTROL FOR SIGNALS ONLY PROJECTS ON 2 OR 3 LANE MAJOR ROUTES
T-WZ-51	04-02-12	TRAFFIC CONTROL FOR SIGNALS ONLY PROJECTS ON 4 OR 5 LANE MAJOR ROUTES
T-WZ-52	04-02-12	TRAFFIC CONTROL FOR SIGNALS ONLY PROJECTS ON 4 OR 5 LANE MAJOR AND MINOR ROUTES
T-WZ-53	04-02-12	TRAFFIC CONTROL FOR SIGNALS ONLY PROJECTS ON 4 OR MORE LANE DIVIDED MAJOR ROUTES
T-WZ-55	10-29-21	SIDEWALK TRAFFIC CONTROL
T-WZ-FAB1		FLASHING YELLOW ARROW BOARD

EROSION PREVENTION AND SEDIMENT CONTROL		
EC-STR-37	06-10-14	SEDIMENT TUBE

STANDARD TRAFFIC OPERATIONS DRAWINGS

DWG. NO.	REV.	DESCRIPTION
LIGHTING AND UTILITY POLES		
T-FO-1		FIBER OPTIC AERIAL ENTRANCE DETAILS
T-FO-2		FIBER OPTIC UNDERGROUND ENTRANCE DETAILS
T-FO-3		FIBER OPTIC AERIAL CONNECTION DETAILS
T-FO-4		FIBER OPTIC PULL BOX, CABINET, & POLE DETAILS
SIGNALS		
T-SG-2	06-27-16	LOOP LEAD-INS, CONDUIT AND PULL BOXES
T-SG-3A	06-27-16	ALTERNATE DETECTION DETAILS
T-SG-5	06-27-16	CONTROLLER CABINET DETAILS
T-SG-8	06-27-16	STRAIN POLE DETAILS FOR SPAN MOUNTED SIGNALS
T-SG-10	09-12-23	MAST ARM POLE AND STRAIN POLES FOUNDATION DETAILS
T-SG-12	12-20-19	TYPICAL WIRING FOR SIGNAL HEADS AND DETECTION LOOPS

COF STANDARD DRAWINGS

DWG. NO.	REV.	DESCRIPTION
ITS-1	07-01-21	CITY OF FRANKLIN FIBER OPTIC EMBLEM
ITS-2	07-01-21	CONDUIT TRENCH BACKFILL

UTILITY OWNERS

AT&T
 ATTN: TRINA IVEY
 AT&T OSPE SUPERVISOR
 PHONE: (678) 641-5522
 EMAIL: K12863@ATT.COM

ATMOS ENERGY CORPORATION
 ATTN: RYAN BATES
 SR. ENGINEER
 PHONE: (615) 771-8311
 EMAIL: RYAN.BATES@ATMOSENERGY.COM

CITY OF FRANKLIN FIBER OPTIC COMMUNICATIONS SYSTEMS MANAGER
 ATTN: MIKE PROCTOR
 COMMUNICATIONS SYSTEMS MANAGER
 PHONE: (615) 550-6604
 EMAIL: MIKEP@FRANKLINTN.GOV

CROWN CASTLE
 ATTN: TERRY CAMPBELL
 CONSTRUCTION MANAGER SCFS
 PHONE: (615) 708-9610
 EMAIL: TERRY.CAMPBELL.VENDOR@CROWNCastle.COM

FRANKLIN WATER MANAGEMENT (SANITARY SEWER)
 ATTN: MICHELLE HATCHER
 DIRECTOR
 PHONE: (615) 794-4554
 EMAIL: MICHELLE.HATCHER@FRANKLINTN.GOV

MALLORY VALLEY UTILITY DISTRICT (MVUD)
 ATTN: KAREN YORK
 ASSISTANT GENERAL MANAGER
 PHONE: (615) 628-0237
 EMAIL: KYORK@MVUD.ORG

MIDDLE TENNESSEE ELECTRIC MEMBERSHIP CORPORATION (MTEMC)
 ATTN: ERIK HALE
 DEVELOPMENT ENGINEER
 PHONE: (615) 595-4669
 EMAIL: ERIK.HALE@MTEMC.COM

MILCROFTON UTILITY DISTRICT
 ATTN: MIKE JONES
 GENERAL MANAGER
 PHONE: (615) 791-5947
 EMAIL: MIKE@MILCROFTON.COM

PIEDMONT NATURAL GAS
 ATTN: JENNI SHIPMAN
 DISTRIBUTION PROJECT SPECIALIST
 PHONE: (615) 872-2353
 EMAIL: JENNI.SHIPMAN@DUKE-ENERGY.COM

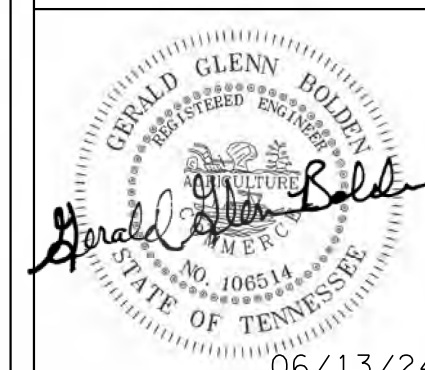
LEGEND	
SYMBOL	DESCRIPTION
	EXISTING PULL BOX
	EXISTING CABINET
	EXISTING POLE
	PROPOSED POLE
	PROPOSED CCTV CAMERA

UNOFFICIAL
SET
NOT FOR
BIDDING

NO.	DATE	BY	DESCRIPTION
1	10/1/23	GB	CHANGED DATE OCT. 1, 2023
1	10/1/23	GB	UPDATED STD. DWGS. DATES

INDEX OF SHEETS AND STANDARD DRAWINGS FRANKLIN ITS DESIGN FRANKLIN, TENNESSEE

INDEX OF SHEETS AND STANDARD DRAWINGS FRANKLIN ITS DESIGN FRANKLIN, TENNESSEE



DATE:	JUN. 13, 2024
DESIGNED BY:	GERALD BOLDEN
DRAWN BY:	SMR
YEAR:	2024
SHEET NO:	1A

ESTIMATED ROADWAY QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	209-05 SEDIMENT REMOVAL	CY	25
	712-01 TRAFFIC CONTROL	LS	1
	712-06 SIGNS (CONSTRUCTION)	S.F.	178
	717-01 MOBILIZATION	LS	1
	725-02.79 FIBER SPLICE ENCLOSURE (48F)	EACH	2
2	725-03.80 CCTV CAMERA SYSTEM	EACH	5
	725-20.01 CCTV POLE & FOUNDATION (50FT POLE W/LWRNG DEVICE)	EACH	2
	725-20.03 LOWERING TOOL FOR CAMERA LOWERING DEVICE	EACH	1
5	725-21.32 CAT 6 CABLE	L.F.	1000
4	725-23.12 FIBER OPTIC CABLE (48 F)	L.F.	5000
	725-24.55 AS-BUILT PLANS	LS	1
	730-03.23 INSTALL PULL BOX (FIBER OPTIC-TYPE A)	EACH	9
	730-12.03 CONDUIT 3" DIAMETER (PVC SCHEDULE 40)	L.F.	1500
	730-12.24 CONDUIT 3" DIAMETER (DIRECTIONAL BORE)	L.F.	700
3	730-13.15 VEHICLE DETECTOR (TWO 360-DEGREE CAMERA)	EACH	1
6	730-15.11 MODIFY CABINET (FO COMMUNICATIONS AND DETAILS)	EACH	7
1	730-16.04 CONTROLLER (ATC)	EACH	75
	740-11.02 TEMPORARY SEDIMENT TUBE 12IN	L.F.	160

FOOTNOTES:

- 1 PAY ITEM 730-16.04 CONTROLLER (ATC) IS A FURNISH ONLY ITEM TO BE DELIVERED TO THE CITY TRAFFIC OPERATIONS CENTER (TOC). THE CONTROLLER (ATC) IS SPECIFIED IN THE CITY OF FRANKLIN 730FR SPECIFICATION. THE CONTRACTOR IS NOT RESPONSIBLE FOR INSTALLATION. THE CITY OF FRANKLIN WILL CONFIGURE AND INSTALL THE ATC CONTROLLERS.
- 2 INCLUDES SURGE PROTECTION(POE) DEVICE AND POE EXTENDER UNIT. ITEM ALSO INCLUDES 12 FOOT EXTENSION ARM FOR THREE LOCATIONS AS SHOWN ON PLANS.
- 3 ITEM TO INCLUDE CABLE, EQUIPMENT, AND ALL MATERIAL NECESSARY TO INSTALL A COMPLETE AND OPERATIONAL SYSTEM.
- 4 TO BE SINGLE-MODE FIBER-OPTIC CABLE.
- 5 TO BE CAT 6 POWER-OVER-ETHERNET CABLE (OUTDOOR RATED).
- 6 TO INCLUDE RUNNING COMMUNICATIONS AND INSTALLING ETHERNET CABLE FOR CCTV CAMERA AND 360 DEGREE CAMERA.

REVISIONS				
NO	DATE	BY	DESCRIPTION	
1	10/1/23	GB	CHANGED DATE OCT. 1, 2023	
1	10/1/23	GB	UPDATED QUANTITIES	
1	10/1/23	GB	ADDED FOOTNOTES	

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ESTIMATED QUANTITIES
FRANKLIN ITS DESIGN
FRANKLIN, TENNESSEE



DATE: JUN. 13, 2024
DESIGNED BY: GERALD BOLDEN
DRAWN BY: SMR

YEAR: 2024

SHEET NO: 2

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NOT FOR
BIDDING**

GENERAL NOTES

GRADING

- (1) ANY AREA THAT IS DISTURBED OUTSIDE LIMITS OF CONSTRUCTION DURING THE LIFE OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
- (2) CERTIFICATION FOR ALL BORROW PITS MUST BE OBTAINED IN ACCORDANCE WITH SUBSECTION 107.06 OF THE STANDARD SPECIFICATIONS.
- (3) THE CONTRACTOR SHALL NOT DISPOSE OF ANY MATERIAL EITHER ON OR OFF STATE-OWNED R.O.W. IN A REGULATORY FLOOD WAY AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) WITHOUT APPROVAL BY FEMA. ALL MATERIAL SHALL BE DISPOSED OF IN UPLAND (NON-WETLAND) AREAS AND ABOVE ORDINARY HIGH WATER OF ANY ADJACENT WATERCOURSE. THIS DOES NOT ELIMINATE THE NEED TO OBTAIN ANY OTHER LICENSES OR PERMITS THAT MAY BE REQUIRED BY ANY OTHER FEDERAL, STATE OR LOCAL AGENCY.

MISCELLANEOUS

- (8) THE CONTRACTOR SHALL BE REQUIRED TO REMOVE AND RESET MAILBOXES AND POSTS WHERE AND AS DIRECTED BY THE ENGINEER. COST TO BE INCLUDED IN PRICE BID FOR OTHER CONSTRUCTION ITEMS.
- (9) NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE RESIDENTS ALONG THE PROPOSED CONSTRUCTION AREA.

SIGNALIZATION AND ITS DEVICES

- (10) EQUIPMENT AND INSTALLATION OF TRAFFIC SIGNALS SHALL COMPLY WITH TDOT STANDARD SPECIFICATIONS, SECTION 730 AND CITY OF FRANKLIN STANDARD SPECIFICATIONS, SECTION 730FR.

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL

- (11) ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.
- (12) IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO. 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.
- (13) A LONG TERM BUT SPORADIC USE WARNING SIGN, SUCH AS A FLAGGER SIGN, MAY REMAIN IN PLACE WHEN NOT REQUIRED PROVIDED THE SIGN FACE IS FULLY COVERED.
- (14) TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
- (15) USE OF BARRICADES, PORTABLE BARRIER RAILS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL INCREASE TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

- (16) THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE FOR ROADWAYS WITH CURRENT ADT'S LESS THAN 1500 AND DESIGN SPEED OF LESS THAN 60 MPH. THIS DISTANCE SHALL BE INCREASED TO FORTY-FIVE (45) FEET FOR ROADWAYS WITH CURRENT ADT'S OF 1500 OR GREATER AND DESIGN SPEED OF 60 MPH OR GREATER OR ON THE OUTSIDE OF A HORIZONTAL CURVE. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS REQUIRED SETBACK, THE CONTRACTOR SHALL DETERMINE THE ALTERNATE LOCATIONS AND REQUEST THE ENGINEER'S APPROVAL TO USE THEM.

REVISIONS		DESCRIPTION	DATE
NO.	DATE	BY	CHANGED
1	10/7/23	GB	OCT. 1, 2023

GENERAL NOTES
FRANKLIN ITS DESIGN
FRANKLIN, TENNESSEE

GENERAL NOTES
FRANKLIN ITS DESIGN
FRANKLIN, TENNESSEE



DATE: JUN. 13, 2024
DESIGNED BY: GERALD BOLDEN
DRAWN BY: SMR

YEAR: 2024

SHEET NO: 2B

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SET
NOT FOR
BIDDING

ENVIRONMENTAL NOTES

ENVIRONMENTAL GENERAL NOTES

NATURAL RESOURCES

- (1) SOIL MATERIALS MUST BE PREVENTED FROM ENTERING WATERS OF THE STATE/U.S. EPSC MEASURES TO PROTECT NATURAL RESOURCES AND WATER QUALITY SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. APPROPRIATE EPSC MEASURES MUST BE INSTALLED ALONG THE BASE OF ALL FILLS AND CUTS, ON THE DOWNHILL SIDE OF STOCKPILED SOIL, AND ALONG NATURAL RESOURCES IN CLEARED AREAS TO PREVENT SEDIMENT MIGRATION INTO STREAMS, WETLANDS OR OTHER NATURAL FEATURES IN ACCORDANCE WITH TDOT STANDARDS. EPSC MEASURES SHALL BE INSTALLED ON THE CONTOUR, ENTRENCHED AND STAKED, AND EXTEND THE WIDTH OF THE AREA TO BE CLEARED.
- (2) NEW CHANNEL CONSTRUCTION SHALL BE COMPLETED IN THE DRY AND STABILIZED FOR AT LEAST 72 HOURS PRIOR TO DIVERTING WATER FROM THE EXISTING AND/OR TEMPORARY CHANNEL.
- (3) INSTREAM EPSC DEVICES REQUIRE A REVIEW BY THE CITY ENGINEER TO DETERMINE IF WATER QUALITY PERMITS SHOULD BE OBTAINED.
- (4) THE OPERATION OF EQUIPMENT IN WATERS OF THE STATE/U.S., INCLUDING WETLANDS AND EPHEMERAL, INTERMITTENT, AND PERENNIAL STREAMS, IS NOT ALLOWED.
- (5) THE WIDTH OF THE FILL ASSOCIATED WITH TEMPORARY CROSSINGS SHALL BE LIMITED TO THE MINIMUM NECESSARY FOR THE ACTUAL CROSSING, NOT TO EXCEED THE WIDTH SPECIFIED IN THE STANDARD DRAWING.
- (6) STREAM BEDS SHALL NOT BE USED AS TRANSPORTATION ROUTES FOR CONSTRUCTION EQUIPMENT. TEMPORARY CULVERT CROSSINGS SHALL BE LIMITED TO ONE POINT PER STREAM AND EPSC MEASURES SHALL BE USED WHERE THE STREAM BANKS ARE DISTURBED. WHERE THE STREAMBED IS NOT COMPOSED OF BEDROCK, A PAD OF CLEAN ROCK SHALL BE USED AT THE CROSSING POINT AND CULVERTED TO PREVENT THE IMPOUNDMENT OF WATER FLOW. CLEAN ROCK IS ROCK OF VARIOUS TYPE AND SIZE, DEPENDING UPON APPLICATION, WHICH CONTAINS NO FINES, SOILS, OR OTHER WASTES OR CONTAMINANTS. OTHER MATERIALS USED FOR ALL TEMPORARY FILLS SHALL BE COMPLETELY REMOVED IN THEIR ENTIRETY AFTER THE WORK IS COMPLETED AND THE AFFECTED AREAS RETURNED TO PREEXISTING ELEVATIONS. ALL TEMPORARY CROSSINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. DWG. EC-STR-25 UNLESS SPECIFICALLY ADDRESSED IN THE EPSC PLANS. ALTERNATIVELY, PLACING A TEMPORARY BRIDGE (E.G. BAILEY BRIDGE OR EQUIVALENT, TIMBERS, ETC.) FROM TOP OF BANK TO TOP OF BANK OR THE APPROPRIATE USE OF BARGES AT THE CROSSING TO AVOID DISTURBANCE OF THE STREAMBED IS AN ACCEPTABLE OPTION.
- (7) HEAVY EQUIPMENT WORKING IN WETLANDS WITH PERMITTED TEMPORARY IMPACTS SHALL BE PLACED ON MATS, OR OTHER MEASURES MUST BE TAKEN TO MINIMIZE SOIL DISTURBANCE AND COMPACTION UNLESS SPECIFICALLY ADDRESSED IN THE CONSTRUCTION PLANS. ANY MATS AND OTHER MEASURES USED FOR HEAVY EQUIPMENT SHALL BE REMOVED IN THEIR ENTIRETY AFTER THE WORK IS COMPLETED. ALL AFFECTED AREAS SHOULD BE RETURNED TO PRE-EXISTING CONDITIONS.
- (8) WETLANDS SHALL NOT BE USED AS EQUIPMENT STORAGE, STAGING, OR TRANSPORTATION AREAS, UNLESS SPECIFICALLY PROVIDED FOR IN THE CONSTRUCTION PLANS AND PERMITS.
- (9) THE CONTRACTOR SHALL TAKE APPROPRIATE STEPS PRIOR TO ANY CONSTRUCTION AND MAINTENANCE ACTIVITIES TO ENSURE THAT ENVIRONMENTAL FEATURES (E.G., STREAMS, WETLANDS, SPRINGS, ETC.) ARE NOT IMPACTED BEYOND PERMITTED LOCATIONS. IF THE CONTRACTOR OR PROJECT INSPECTOR IS UNSURE OF THE IDENTITY OF AN ENVIRONMENTAL FEATURE, THE INSPECTOR SHALL CONTACT THE CITY ENGINEER IMMEDIATELY.

SPECIES

- (10) NO ACTIVITY MAY SUBSTANTIALLY DISRUPT THE MOVEMENT OF THOSE SPECIES OF AQUATIC LIFE INDIGENOUS TO THE WATER BODY, INCLUDING THOSE SPECIES THAT NORMALLY MIGRATE THROUGH THE AREA.
- (11) SHOULD CLIFF SWALLOW OR BARN SWALLOW NESTS, EGGS, OR BIRDS (YOUNG AND ADULTS) BE PRESENT, THE CONTRACTOR SHALL CONTACT THE LOCAL U.S. FISH & WILDLIFE SERVICE OFFICE TO DETERMINE IF SEASONAL RESTRICTIONS WILL BE NECESSARY. GENERALLY, BIRDS, NESTS, AND EGGS MAY NOT BE DISTURBED BETWEEN APRIL 15 AND JULY 31. FROM AUGUST 1 TO APRIL 14, NESTS CAN BE REMOVED OR DESTROYED SO LONG AS BIRDS OR EGGS ARE NOT PRESENT, AND MEASURES IMPLEMENTED TO PREVENT FUTURE NEST BUILDING AT THE SITE (I.E., CLOSING OFF AREA USING NETTING).
- (12) IF THE REMOVAL OF ANY TREES WITH A DIAMETER AT BREST HEIGHT (DBH) GREATER THAN 3 INCHES IS DEEMED NECESSARY THE ENGINEER SHALL CONTACT THE LOCAL U.S. FISH & WILDLIFE SERVICE OFFICE IMMEDIATELY.

PERMITS, PLANS & RECORDS

- (13) THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR AND OBTAIN ANY NECESSARY ENVIRONMENTAL PERMITS OR APPROVALS, INCLUDING BUT NOT LIMITED TO ARCHAEOLOGY, ECOLOGY, HISTORICAL, HAZARDOUS MATERIALS, AIR AND NOISE, TDEC ARAP/401, USACE SECTION 404, TVA SECTION 26A, AND TDEC NPDES PERMITS, FROM FEDERAL, STATE AND/OR LOCAL AGENCIES REGARDING ANY MATERIAL AND STAGING AREAS AND THE OPERATION OF ANY PROJECT-DEDICATED ASPHALT AND/OR CONCRETE PLANTS TO BE USED. ANY SUCH PERMITS SHALL BE SUPPLIED TO THE ENGINEER PRIOR TO THE USE OF THE PERMITTED AREA(S).
- (14) ANY DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, THE PROJECT AS CONSTRUCTED, AND THE PERMIT(S) ISSUED FOR THE PROJECT, SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. THE CITY ENGINEER SHALL BE CONTACTED IN THESE INSTANCES AND DECIDE WHICH HAS PRECEDENCE AND WHETHER PERMIT OR PLANS REVISIONS ARE NEEDED. IN GENERAL, PERMIT CONDITIONS WILL PREVAIL.
- (15) IF A CHANGE IN PROJECT SCOPE OCCURS DURING CONSTRUCTION, INCLUDING VALUE ENGINEERING, THE CITY ENGINEER SHALL BE CONTACTED TO DETERMINE WHETHER PERMIT REVISIONS ARE NEEDED. THE ENGINEER SHALL BE CONTACTED TO DETERMINE IF ANY PLAN REVISIONS ARE NEEDED.
- (16) THE CONTRACTOR SHALL REVIEW ALL EXISTING PERMITS TO ENSURE THAT WORK AT PERMITTED SITES DOES NOT EXCEED EXPIRATION DATE. IF WORK IS GOING TO BE CONTINUED AFTER EXPIRATION DATES THE CONTRACTOR SHALL CONTACT THE CITY ENGINEER TO COMMENCE PERMIT RENEWAL PROCESS.
- (17) ALL WATER QUALITY PERMITS SHALL BE POSTED NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE ACCESSIBLE TO THE PUBLIC. THE NAME, COMPANY NAME, EMAIL ADDRESS, TELEPHONE NUMBER AND ADDRESS OF THE PROJECT SITE OWNER, OPERATOR, OR A LOCAL CONTACT PERSON WITH A BRIEF DESCRIPTION OF THE PROJECT SHALL ALSO BE POSTED. IF POSTING THIS INFORMATION NEAR A MAIN ENTRANCE IS INFEASIBLE, THE INFORMATION SHALL BE PLACED IN A PUBLICLY ACCESSIBLE LOCATION NEAR WHERE THE CONSTRUCTION IS ACTIVELY UNDERWAY AND MOVED AS NECESSARY. THIS LOCATION SHALL BE POSTED AT THE CONSTRUCTION SITE. ALL POSTINGS SHALL BE MAINTAINED IN LEGIBLE CONDITION.

SUPPORT ACTIVITIES

- (18) MATERIALS AND STAGING AREAS SHALL NOT AFFECT ANY WATERS OF THE STATE/U.S. UNLESS THESE AREAS ARE SPECIFICALLY COVERED BY ENVIRONMENTAL PERMITS, OBTAINED SOLELY BY THE CONTRACTOR. THE CONTRACTOR SHALL REVIEW ALL EXISTING PERMITS TO ENSURE THAT WORK AT PERMITTED SITES DOES NOT EXCEED EXPIRATION DATES. IF WORK IS GOING TO BE CONTINUED AFTER EXPIRATION DATES, THE CONTRACTOR SHALL CONTACT THE CITY ENGINEER TO COMMENCE PERMIT RENEWAL PROCESS.

ENVIRONMENTAL

- (19) EXCEPT AS OTHERWISE SPECIFIED, THERE ARE NO KNOWN SPECIAL ENVIRONMENTAL FACTORS PRESENT ON THIS PROJECT THAT INDICATE A NEED FOR SEASONAL LIMITATIONS ON THE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OPERATIONS OR ON THE TOTAL AREA OF EXPOSED SOIL.

ENVIRONMENTAL SPECIAL NOTES

ENVIRONMENTAL

- (1) THE CITY ENGINEER SHALL BE INVITED TO ALL PRE-CONSTRUCTION MEETINGS.

ECOLOGY

- (2) THE CITY ENGINEER OR A DESIGNEE SHALL ADVISE THE CONTRACTOR DURING THE PRE-CONSTRUCTION MEETING WHEN THE CITY ENGINEER OR A DESIGNATED CONSULTANT WILL NEED TO BE ONSITE FOR WORK BEING DONE WHICH COULD AFFECT WATERS OF THE STATE/U.S. OR SPECIES.
- (3) THE CITY ENGINEER OR A DESIGNEE SHALL ATTEND THE PRE-CONSTRUCTION MEETING FOR ALL PROJECTS WHICH HAVE THREATENED OR ENDANGERED SPECIES OR CRITICAL HABITAT PROXIMAL TO SCHEDULED WORK. THIS WILL PROVIDE THE OPPORTUNITY TO ENSURE THAT PERSONNEL INCLUDING THE CONTRACTOR'S PERSONNEL AND SUBCONTRACTORS ARE MADE AWARE OF THE NECESSARY PRECAUTIONS THAT MUST BE FOLLOWED.
- (4) ALL PROJECTS WITH LEGALLY PROTECTED SPECIES OR CRITICAL HABITAT IDENTIFIED SHALL HAVE MEASURES IN PLACE TO CONTAIN CONCRETE DUST, CEMENT DUST AND ALL OTHER MATERIALS. THESE MATERIALS ARE NOT ALLOWED TO ENTER WATERS OF THE STATE/U.S.

SCOPE OF WORK

- (6) THIS PROJECT INCLUDES:

INSTALLATION OF NEW ITS DEVICES AND FIBER OPTIC CABLE ALONG COOL SPRINGS BOULEVARD @ I-65, LIBERTY PIKE @ CAROTHERS PKWY, SR 96W @ 5TH AVENUE N., SR 96W @ 11TH AVENUE N, AND SR 248 @ I-65 NB RAMPS, AND NEW TRAFFIC SIGNAL DEVICES AT THE INTERSECTION OF COOL SPRINGS BOULEVARD @ MALLORY LANE.

REVISIONS		DESCRIPTION	DATE
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1	10/1/23	GB	OCT. 1, 2023

ENVIRONMENTAL NOTES
FRANKLIN ITS DESIGN
FRANKLIN, TENNESSEE

ENVIRONMENTAL NOTES
FRANKLIN ITS DESIGN
FRANKLIN, TENNESSEE



DATE: JUN. 13, 2024
DESIGNED BY: GERALD BOLDEN
DRAWN BY: SMR

YEAR: 2024

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EROSION PREVENTION AND SEDIMENT CONTROL GENERAL NOTES (CONT'D)

GOOD HOUSEKEEPING MEASURES & WASTE DISPOSAL

- (32) WHEEL WASH WATER SHALL BE COLLECTED AND ALLOWED TO SETTLE OUT SUSPENDED SOLIDS PRIOR TO DISCHARGE. WHEEL WASH WATER SHALL NOT BE DISCHARGED DIRECTLY INTO ANY STORMWATER SYSTEM OR STORMWATER TREATMENT SYSTEM.
- (33) IF PORTABLE SANITARY FACILITIES ARE PROVIDED ON CONSTRUCTION SITES, SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS IN A TIMELY MANNER BY A LICENSED WASTE MANAGEMENT CONTRACTOR OR AS REQUIRED BY ANY REGULATIONS. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF SANITARY WASTE.
- (34) ONLY CONSTRUCTION PRODUCTS NEEDED SHALL BE STORED ONSITE BY THE CONTRACTOR. THE CONTRACTOR SHALL STORE ALL MATERIALS UNDER COVER AND IN APPROPRIATE CONTAINERS. PRODUCTS MUST BE STORED IN ORIGINAL CONTAINERS AND LABELED. MATERIAL MIXING SHALL BE CONDUCTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR'S RESPONSIBLE PARTY SHALL INSPECT MATERIALS STORAGE AREAS REGULARLY TO ENSURE PROPER USE AND DISPOSAL.
- (35) WHEN POSSIBLE, ALL PRODUCTS SHALL BE USED COMPLETELY BEFORE PROPERLY DISPOSING OF THE CONTAINER OFFSITE. THE MANUFACTURER'S DIRECTIONS FOR DISPOSAL OF MATERIALS AND CONTAINERS SHALL BE FOLLOWED.
- (36) ALL PAINT CONTAINERS SHALL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT SHALL BE DISPOSED OF ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS AND APPLICABLE STATE AND LOCAL REGULATIONS.
- (37) ALL HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN A MANNER WHICH IS COMPLIANT WITH LOCAL OR STATE REGULATIONS. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES, AND THE INDIVIDUAL DESIGNATED AS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED. THE CONTRACTOR SHALL OBTAIN ANY AND ALL NECESSARY PERMITS TO DISPOSE OF HAZARDOUS MATERIAL.
- (38) OPEN BURNING IS PROHIBITED UNLESS IT IS SPECIFICALLY ALLOWED BY LAW. IF ALLOWED, NATURAL VEGETATION, TREES, AND UNTREATED LUMBER SHALL BE THE ONLY MATERIALS THAT CAN BE OPEN BURNED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL APPLICABLE STATE AND LOCAL PERMITS PRIOR TO ANY BURNING.
- (39) DISPOSAL OF ONSITE VEGETATION AND TREES BY CHIPPING THEM INTO MULCH IS PREFERABLE TO OPEN BURNING. THIS MULCH MAY BE USED AS AN ONSITE SOIL STABILIZATION MEASURE WHERE APPROPRIATE.
- (40) WASTE MATERIAL (EARTH, ROCK, ASPHALT, CONCRETE, ETC.) NOT REQUIRED FOR THE CONSTRUCTION OF THE PROJECT WILL BE DISPOSED OF BY THE CONTRACTOR. IMPACTS TO WATERS OF THE STATE/U.S. SHALL BE AVOIDED IF POSSIBLE. IF UNAVOIDABLE, THE CONTRACTOR WILL OBTAIN ANY AND ALL NECESSARY PERMITS INCLUDING, BUT NOT LIMITED TO NPDES, AQUATIC RESOURCES ALTERATION PERMIT(S), CORPS OF ENGINEERS SECTION 404 PERMITS, AND TVA SECTION 26A PERMITS TO DISPOSE OF WASTE MATERIALS.

SUPPORT ACTIVITIES

- (41) IF OFFSITE BORROW AND WASTE AREAS BECOME NECESSARY DURING THE LIFE OF THE PROJECT, THIS SUPPORT ACTIVITY SHALL BE ADDRESSED PER THE TDOT WASTE AND BORROW MANUAL.
- (42) MATERIALS AND STAGING AREAS SHALL BE LOCATED IN NON-WETLAND AREAS AND ABOVE THE 100-YEAR, FEDERAL EMERGENCY MANAGEMENT AGENCY FLOODPLAIN.
- (43) IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SUPPLY EPSC PLANS FOR THE MATERIAL AND STAGING AREAS TO THE CITY ENGINEER FOR REVIEW.

SPILL PREVENTION, MANAGEMENT & NOTIFICATION

- (44) ALL ONSITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE AND SPILLS.
- (45) FOR ALL HAZARDOUS MATERIALS STORED ONSITE, THE MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEAN UP SHALL BE CLEARLY POSTED. SITE PERSONNEL SHALL BE MADE AWARE OF THE PROCEDURES AND THE LOCATIONS OF THE INFORMATION AND CLEANUP SUPPLIES.
- (46) APPROPRIATE CLEANUP MATERIALS AND EQUIPMENT SHALL BE MAINTAINED BY THE CONTRACTOR IN THE MATERIALS STORAGE AREA ONSITE AND UNDER COVER. SPILL RESPONSE EQUIPMENT SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.
- (47) ALL SPILLS SHALL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY. THE SPILL AREA SHALL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.
- (48) THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.
- (49) IF AN OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION SHALL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR SHALL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES.
- (50) FERTILIZERS SHALL BE APPLIED ONLY IN THE AMOUNTS SPECIFIED. ONCE APPLIED, FERTILIZERS SHALL BE WORKED INTO THE SOIL TO LIMIT THE EXPOSURE TO STORMWATER.
- (51) IF A SPILL OCCURS THE CONTRACTOR'S RESPONSIBLE PARTY SHALL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO THE CITY OF FRANKLIN. ALL SPILLS MUST BE REPORTED TO THE APPROPRIATE AGENCY, AND MEASURES SHALL BE TAKEN IMMEDIATELY TO PREVENT THE POLLUTION OF WATERS OF THE STATE/U.S., INCLUDING GROUNDWATER, SHOULD A SPILL OCCUR.
- (52) WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD, SEE THE LATEST TENNESSEE GENERAL PERMIT NO. TNR100000 STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES SECTION 5.1 FOR REPORTING REQUIREMENTS.
- (53) CONTRACTOR'S BULK FUEL AND PETROLEUM PRODUCTS STORED ONSITE OR ADJACENT TO THE R.O.W. IN ABOVE GROUND STORAGE CONTAINERS WITH A COMBINED CAPACITY OF 1320 GALLONS OR MORE SHALL HAVE SECONDARY CONTAINMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SPILL PREVENTION CONTROL AND COUNTERMEASURE (SPCC) PLAN FOR THE BULK STORAGE AND BE SOLELY RESPONSIBLE FOR OBTAINING ANY NECESSARY LOCAL, STATE, AND FEDERAL PERMITS. THE SPCC PLAN AND/OR PERMITS SHALL BE KEPT ONSITE AND A COPY PROVIDED TO THE CITY ENGINEER PRIOR TO STORING 1320 GALLONS ON SITE.

EROSION PREVENTION AND SEDIMENT CONTROL SPECIAL NOTES

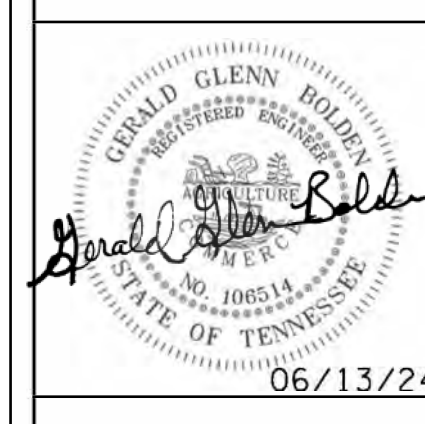
STREAMS, WETLANDS & BUFFER ZONES

- (1) FOR PROJECTS THAT DISCHARGE INTO KNOWN EXCEPTIONAL TENNESSEE WATERS OR WATERS IMPAIRED BY SILTATION, A 60 FOOT NATURAL RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STREAM WITH THIS DESIGNATION SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE. THE 60 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 30 FEET AT ANY MEASURED LOCATION.
- (2) A 30 FOOT NATURAL RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STREAM SHALL BE PRESERVED TO THE MAXIMUM EXTENT PRACTICABLE DURING CONSTRUCTION ACTIVITIES AT THE SITE. THE 30 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 15 FEET AT ANY MEASURED LOCATION. EVERY ATTEMPT SHALL BE MADE FOR CONSTRUCTION ACTIVITIES NOT TO TAKE PLACE WITHIN THE BUFFER ZONES.
- (3) BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND MUST NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA. EVERY ATTEMPT SHALL BE MADE FOR CONSTRUCTION ACTIVITIES NOT TO TAKE PLACE WITHIN THE BUFFER ZONES. BEST MANAGEMENT PRACTICES (BMPs) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MAY BE USED. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

REVISIONS		DESCRIPTION	CHANGED DATE	BY
NO	DATE			
1	10/7/23	GB	OCT. 1, 2023	

EPSC NOTES CONT'D
FRANKLIN ITS DESIGN
FRANKLIN, TENNESSEE

EPSC NOTES CONT'D
FRANKLIN ITS DESIGN
FRANKLIN, TENNESSEE



DATE: JUN. 13, 2024
DESIGNED BY: GERALD BOLDEN
DRAWN BY: SMR

YEAR: 2024

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CITY OF FRANKLIN GENERAL NOTES FOR TRAFFIC SIGNAL CONSTRUCTION

WORKMANSHIP:

- (1) ALL CONSTRUCTION, EQUIPMENT AND INSTALLATION PROCEDURES SHALL COMPLY WITH CURRENT T.D.O.T. AND CITY OF FRANKLIN STANDARDS AND SPECIFICATIONS, WHERE APPLICABLE.
- (2) ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH CURRENT T.D.O.T. AND CITY OF FRANKLIN STANDARDS AND SPECIFICATIONS, WHERE APPLICABLE.
- (3) ALL TRAFFIC SIGNAL, SIGN, PAVEMENT MARKINGS AND TEMPORARY TRAFFIC CONTROL APPARATUS INSTALLATION, MAINTENANCE PROCEDURES, AND EQUIPMENT SHALL MEET THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)
- (4) ALL TRAFFIC CONTROL DURING THROUGHOUT THE PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE CURRENT EDITION OF THE M.U.T.C.D. AND IS SUBJECT TO REVIEW AND APPROVAL BY THE CITY OF FRANKLIN'S ENGINEERING DEPARTMENT.
- (5) THE CONTRACTOR SHALL, AS DETERMINED BY THE CITY OF FRANKLIN EITHER:
 - (A) CONSTRUCT THE CONTROLLER CABINET AND FOUNDATION IN ACCORDANCE WITH TDOT TYPE IV CONTROLLER CABINET; OR
 - (B) CONSTRUCT THE TDOT TYPE IV CONTROLLER CABINET AND FOUNDATION IN ACCORDANCE WITH CITY OF FRANKLIN TOC-04, A TDOT TYPE IV CABINET WITH BACKUP POWER SUPPLY AND FOUNDATION.
- (6) CONTRACTOR SHALL NOTIFY THE TENNESSEE ONE CALL SYSTEM, INC. AND ALL POSSIBLY AFFECTED INDIVIDUAL UTILITY OWNERS, INCLUDING THE CITY OF FRANKLIN, A MINIMUM OF THREE (3) DAYS PRIOR TO COMMENCEMENT OF OPERATIONS, AND REQUEST THEM TO PROPERLY FIELD LOCATE AND MARK RESPECTIVE UTILITIES ALONG THE GROUND.
- (7) ALL UTILITY LOCATIONS, AS SHOWN ON PLAN SET, ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

MATERIALS & INSTALLATION:

- (8) ALL CONDUIT SHALL BE SCHEDULE 40 P.V.C. UNLESS OTHERWISE NOTED. CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 24" BELOW FINISHED GRADE AND SHALL COMPLY WITH THE CITY OF FRANKLIN'S TRENCHING DETAILS AND CONDUIT PLACEMENT PER CITY OF FRANKLIN STANDARD DETAIL ITS-2.
- (9) THE PROPOSED LOCATIONS OF SUPPORT POLES AND CONTROLLER MAY BE SLIGHTLY ADJUSTED TO ACCOMMODATE FIELD CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND STAKING OPTIMUM LOCATIONS FOR POLES AND CONTROLLER. CONTRACTOR SHALL OBTAIN APPROVAL BY THE CITY OF FRANKLIN ENGINEERING DEPARTMENT PRIOR TO INSTALLATION.
- (10) THE CONTRACTOR AND/OR THE POLE FABRICATOR SHALL DETERMINE THE SIZE AND DESIGN OF ALL STEEL SUPPORT POLES AND FOUNDATIONS. SHOP DRAWINGS FOR THE PROPOSED POLES SHALL BE SUBMITTED TO THE CITY OF FRANKLIN ENGINEERING DEPARTMENT FOR REVIEW AND APPROVAL. THE STEEL SUPPORTS SHALL BE FINISHED BY THE MANUFACTURER IN A BLACK GLOSS COLOR AND SHALL BE TOUCHED UP AS NEEDED BY THE CONTRACTOR.
- (11) THE CONTRACTOR SHALL LABEL ALL NEW AND EXISTING CABLES IN THE CABINET, POLE/PEDESTAL BASES AND PULL BOXES USING THE CONVENTION OF DRAWING T-SG-12. EACH WIRE SHALL BE IDENTIFIED BY A CIRCULAR PLASTIC TAG, 1 3/8" DIAMETER WITH PREPRINTED LETTERING DIES OF MINIMUM 1/4" HEIGHT. TAGS SHALL BE PERMANENTLY FASTENED TO WIRE BY MEANS OF NYLON SELF CLINCHING STRAPS. MARKING SHALL INDICATE "GRD" FOR ALL GROUND AND GROUNDED NEUTRAL CONDUCTORS. COMPANION CIRCUIT CONDUCTORS SHALL BE MARKED "CKT" FOLLOWED BY THE DESIGNATED CHARACTERS AS SHOWN ON THE PLANS.
- (12) THE CONTRACTOR SHALL SEAL ALL OPEN CONDUIT ENTRANCE HOLES, WITH OR WITHOUT CABLES, WITH CONDUIT DUCT SEAL PUTTY. WHERE CABLES ENTER THE CONDUIT, THE SEALANT SHALL BE APPLIED AFTER INSTALLING THE CABLE. THESE LOCATIONS SHALL CONSIST OF CONDUIT ENDS IN PULL BOXES, CABINET BASES AND WEATHERHEADS.
- (13) THE CONTRACTOR IS REQUIRED TO ATTEND A PRE-CONSTRUCTION MEETING WITH THE CITY OF FRANKLIN ENGINEERING AND STREETS DEPARTMENTS PRIOR TO THE COMMENCEMENT OF THE PROJECT. CALL (615) 791-3218 FOR MEETING SCHEDULE.
- (14) INSPECTIONS OF ALL ASPECTS OF THE TRAFFIC SIGNAL INSTALLATION AND OF THE INTELLIGENT TRANSPORTATION SYSTEMS (ITS) WILL BE PERFORMED. THE CONTRACTOR SHALL NOTIFY THE CITY DAILY OF THEIR INTENDED ACTIVITIES.

CONDUIT:

- (15) MULTIPLE RUNS OF CONDUIT SHALL BE PLACED IN THE SAME TRENCH.
- (16) ALL ELECTRICAL WORK AND POWER SERVICE DUCT SHALL CONFORM TO THE REQUIREMENTS OF THE LATEST EDITION OF THE "NATIONAL ELECTRICAL CODE", "NATIONAL ELECTRICAL SAFETY CODE", LOCAL BUILDING CODES, AND TO THE REQUIREMENTS OF TDOT AND ALL UTILITIES INVOLVED.

REVISIONS		DESCRIPTION
NO.	DATE	BY
1	10/1/23	GBB
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CITY OF FRANKLIN GENERAL NOTES
 FRANKLIN ITS DESIGN
 FRANKLIN, TENNESSEE



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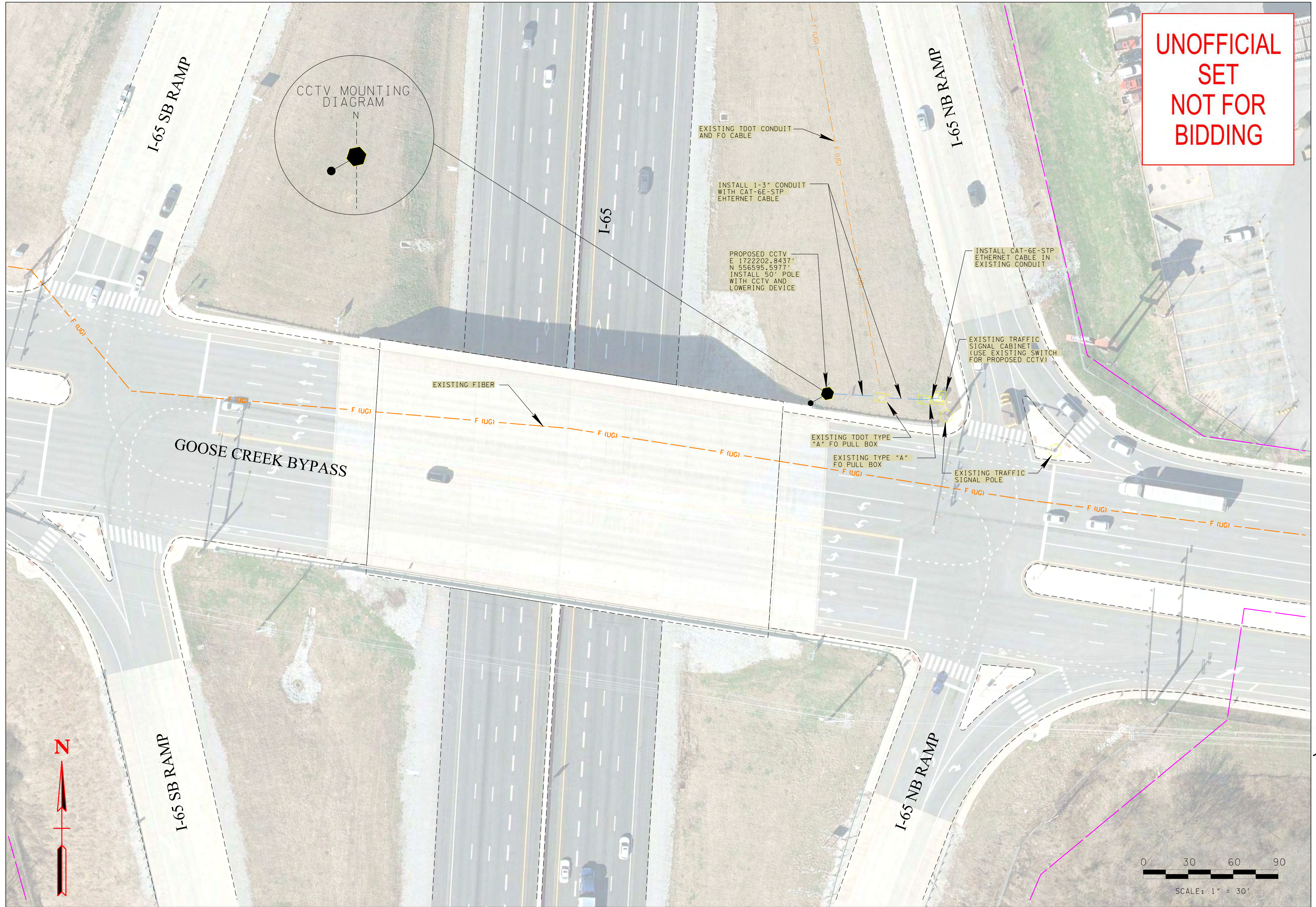
PRESENT LAYOUT
I-65 AND GOOSE CREEK BYPASS
(SR-248)
FRANKLIN ITS DESIGN
FRANKLIN, TENNESSEE

DATE: JUN. 13, 2024
DESIGNED BY: GERALD BOLDEN
DRAWN BY: SMR



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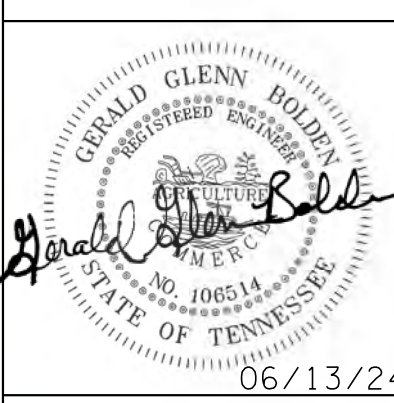
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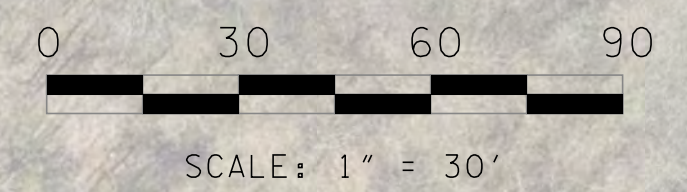
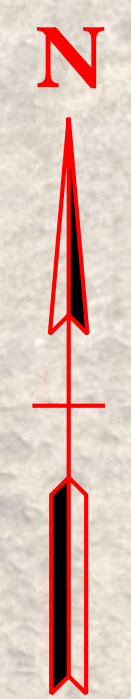
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PROPOSED LAYOUT
I-65 AND GOOSE CREEK BYPASS
FRANKLIN ITS DESIGN
FRANKLIN, TENNESSEE

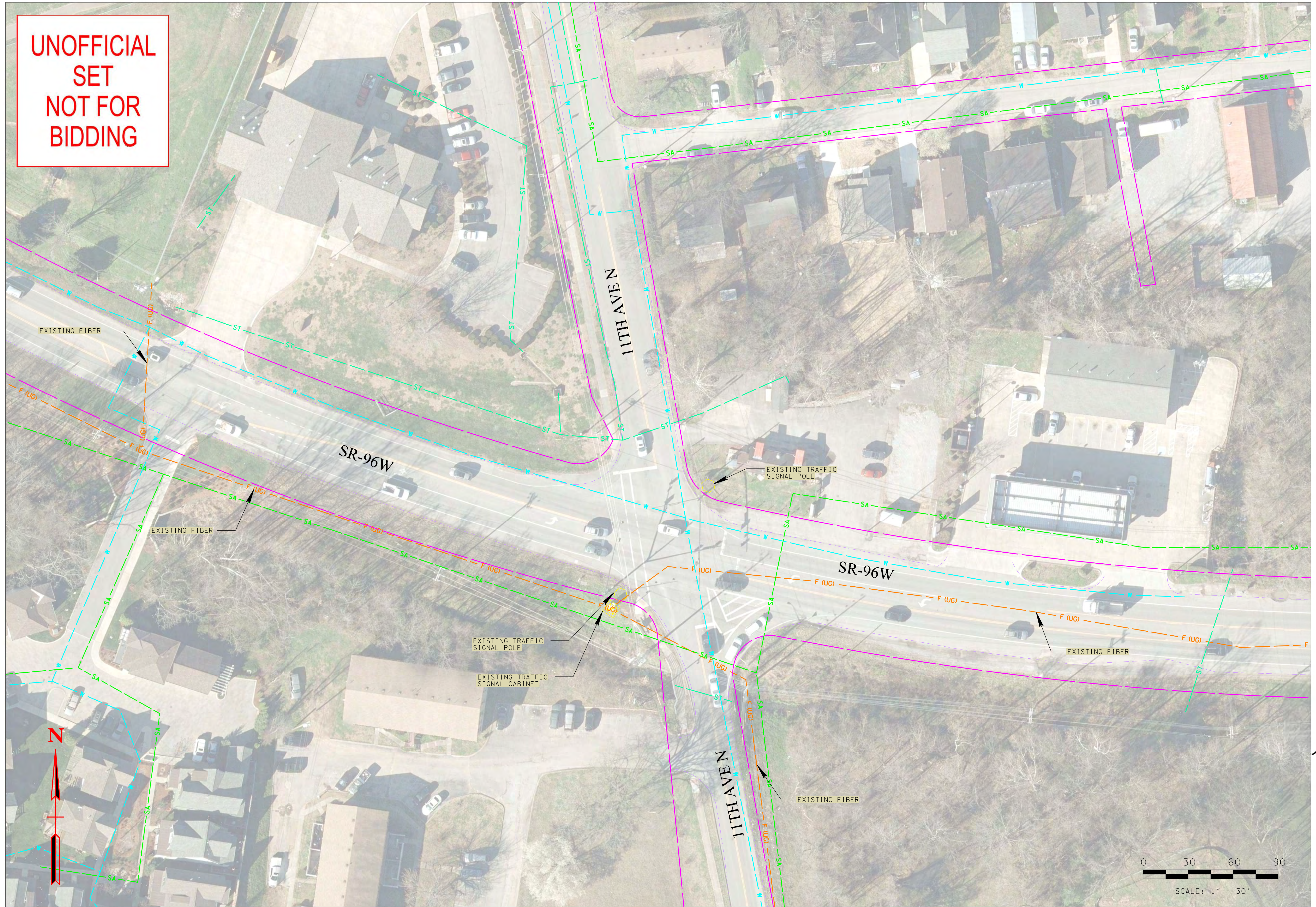
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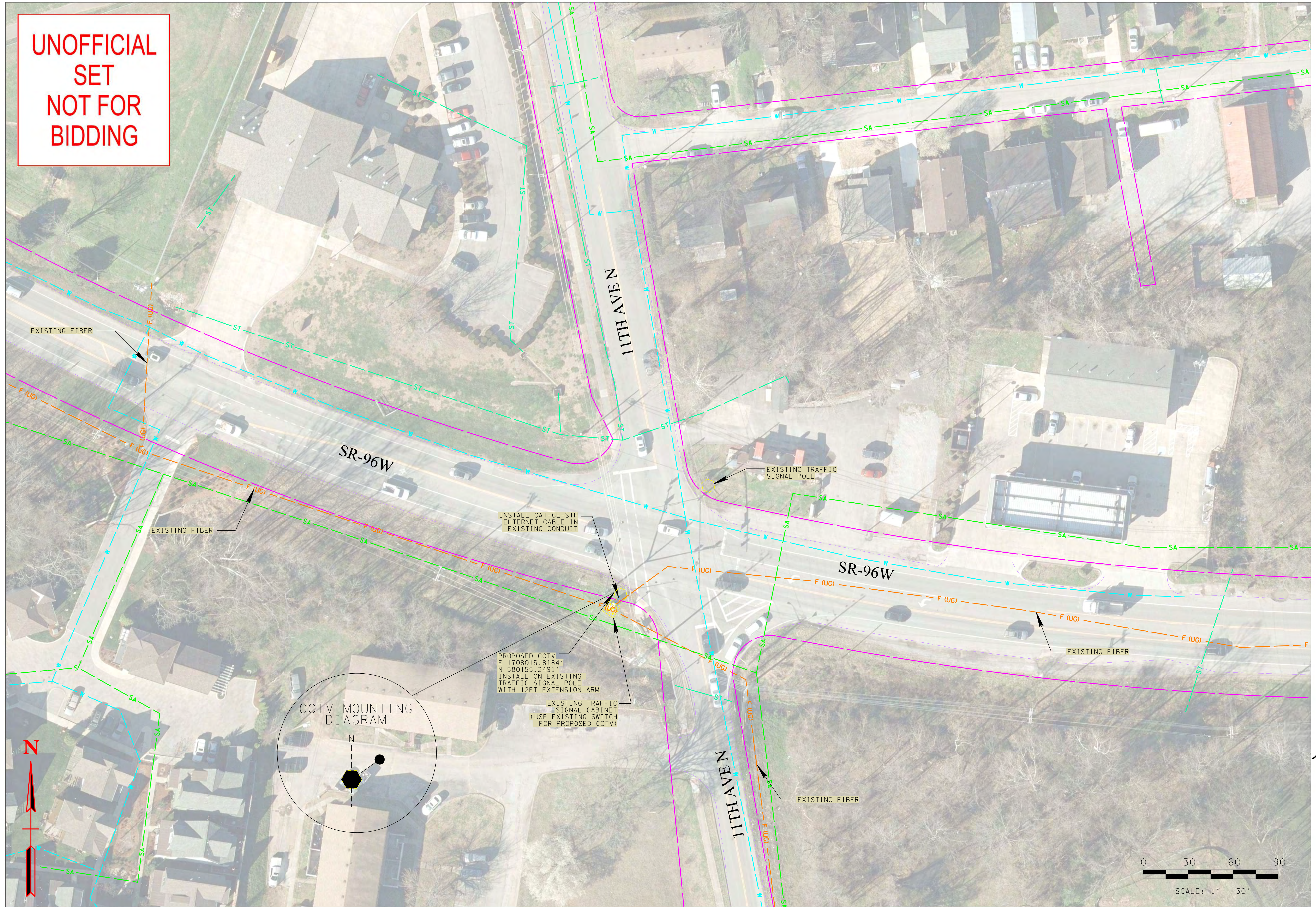
PRESENT LAYOUT
SR-96W AND 11TH AVENUE
FRANKLIN ITS DESIGN
FRANKLIN, TENNESSEE

DATE: JUN. 13, 2024
DESIGNED BY: GERALD BOLDEN
DRAWN BY: SMR



06/13/24
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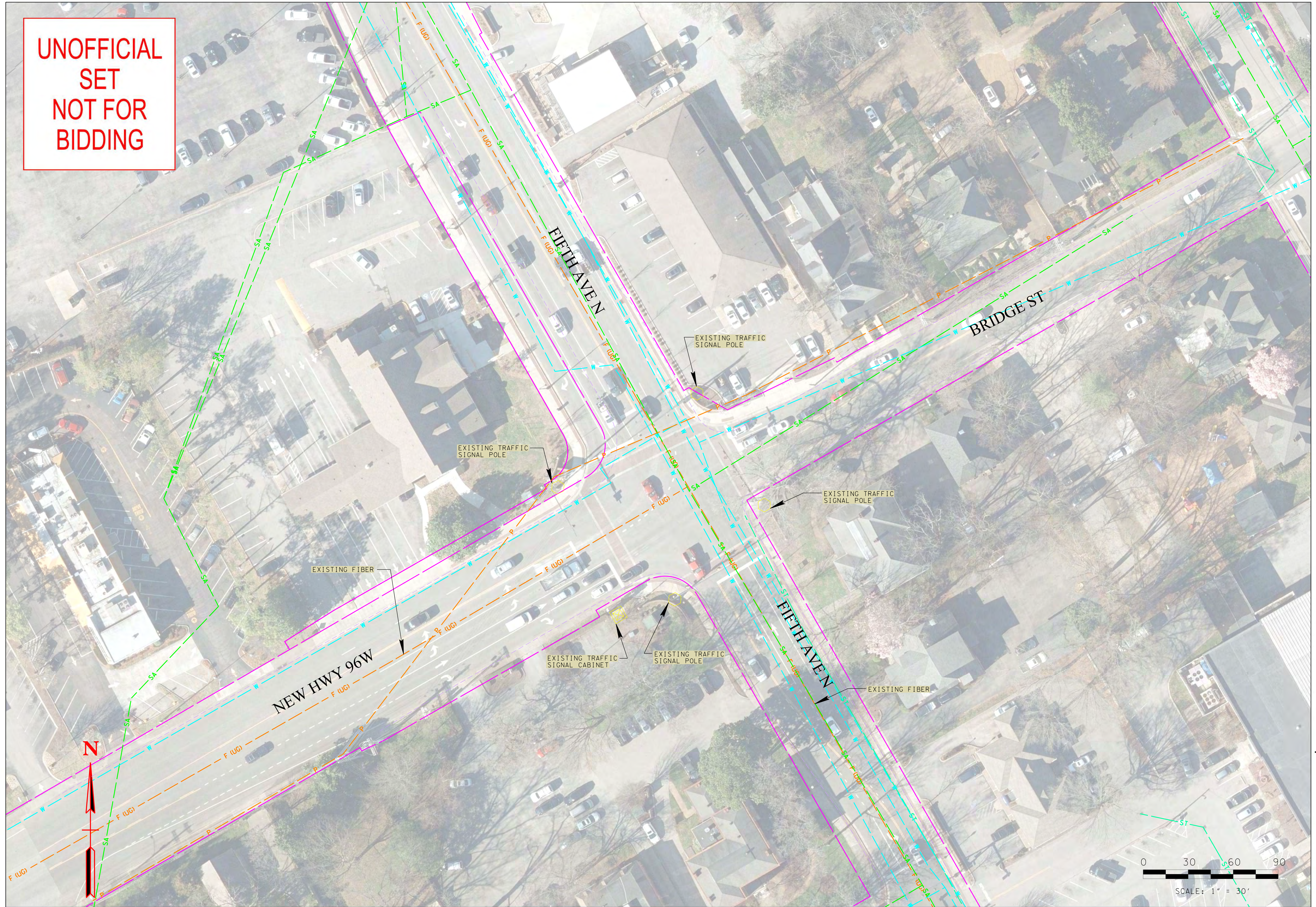
PROPOSED LAYOUT
SR-96W AND 11TH AVENUE
FRANKLIN, ITS DESIGN
FRANKLIN, TENNESSEE

DATE: JUN. 13, 2024
DESIGNED BY: GERALD BOLDEN
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06/13/24

YEAR: 2024
SHEET NO: 4A

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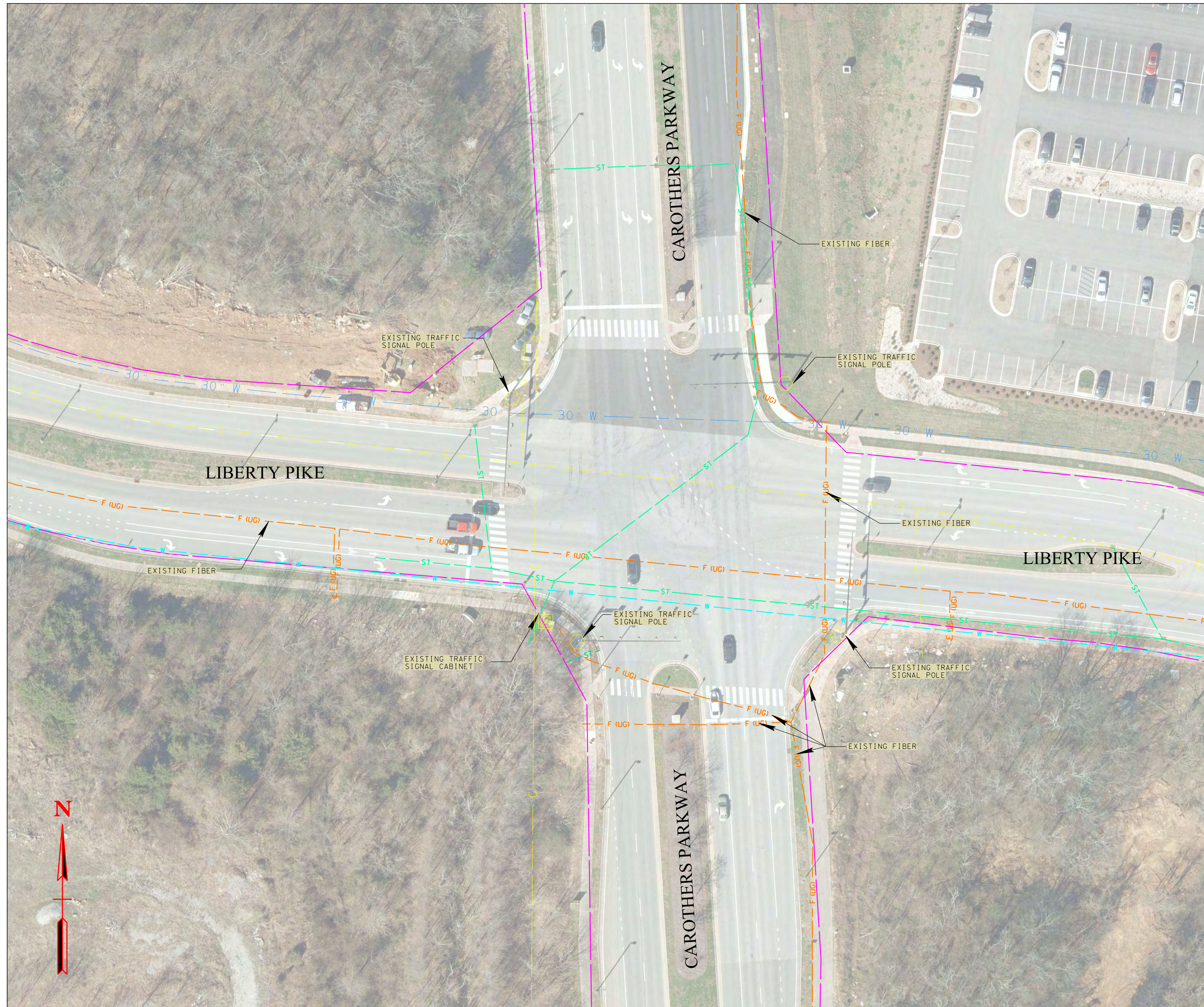
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PRESENT LAYOUT
NEW HWY 96W AND FIFTH AVENUE N
FRANKLIN ITS DESIGN
FRANKLIN, TENNESSEE

DATE: JUN. 13, 2024
DESIGNED BY: GERALD BOLDEN
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SHEET NO: 5



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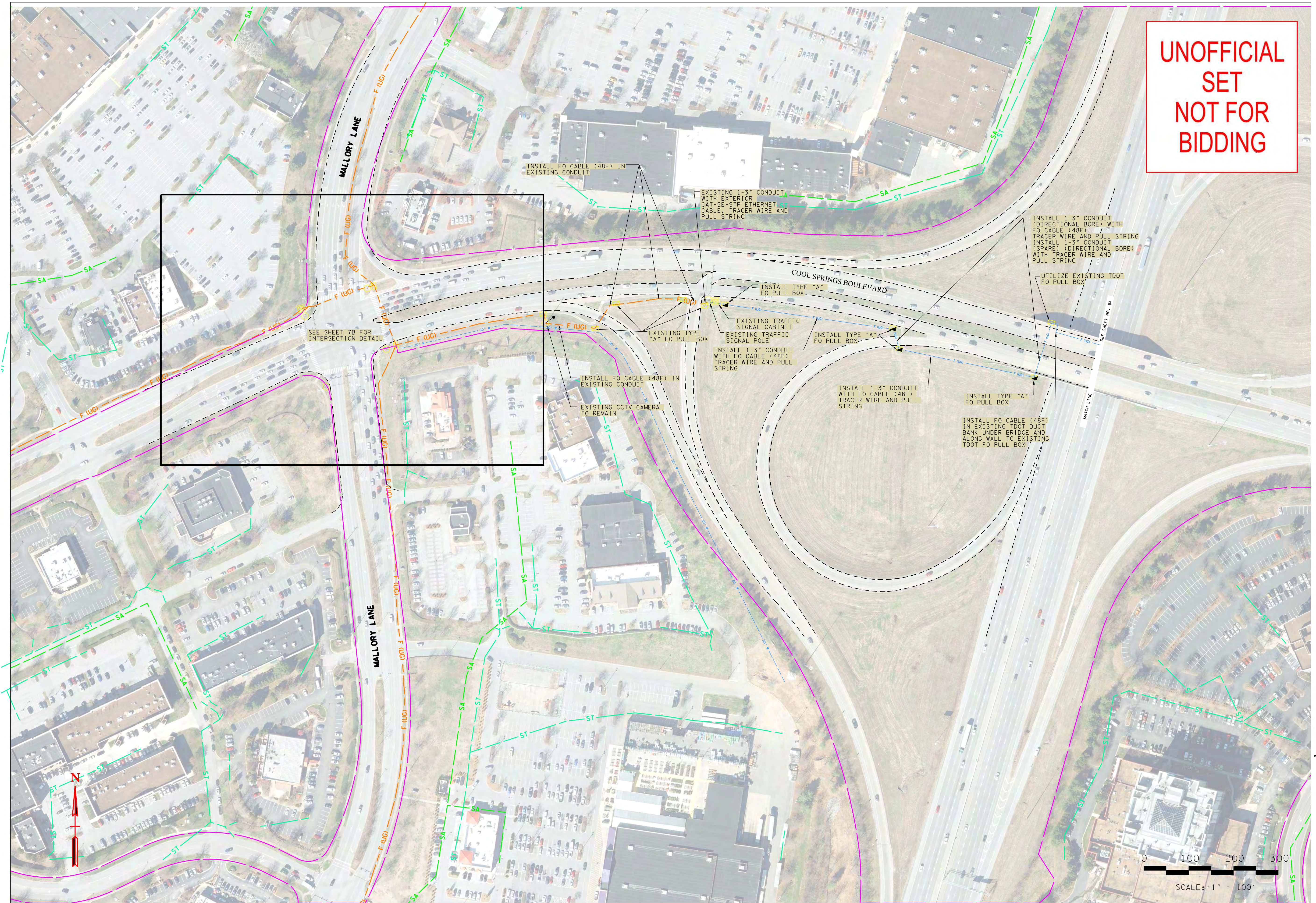
PRESENT LAYOUT
CAROTHERS PARKWAY AND LIBERTY PIKE
FRANKLIN ITS DESIGN
FRANKLIN, TENNESSEE



DATE: JUN. 13, 2024
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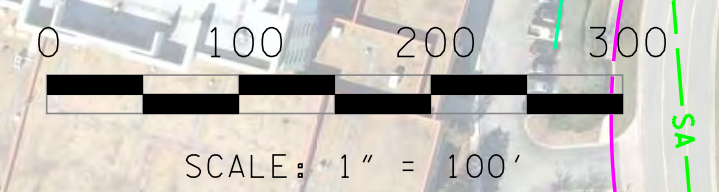
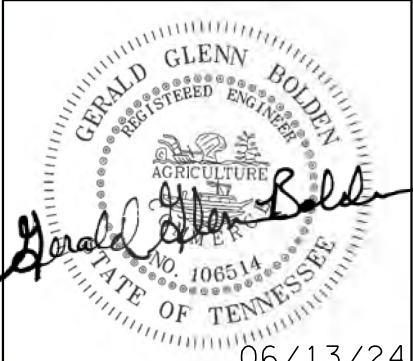
NO.	DATE	BY	DESCRIPTION
1	10/1/23	COB	CHANGED DATE OCT. 1, 2023

PROPOSED LAYOUT
COOL SPRINGS EXTENSION
FRANKLIN, ITS DESIGN
FRANKLIN, TENNESSEE

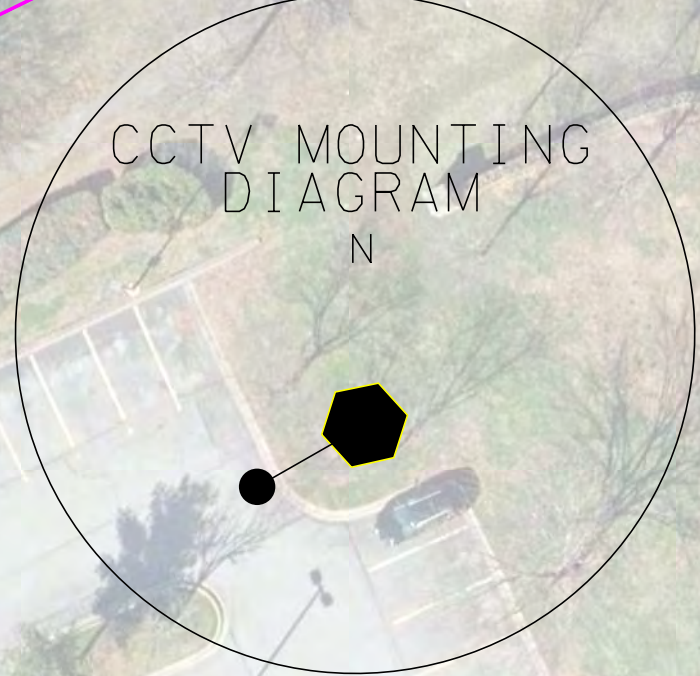
DATE: JUN. 13, 2024
DESIGNED BY: GERALD BOLDEN
DRAWN BY: SMR

06/13/24

YEAR: 2024
SHEET NO: 7A



NOTE:
VIDEO DETECTION ZONES LAYOUT TO BE
COORDINATED WITH THE CITY OF FRANKLIN
FOR USE WITH THE EXISTING ASCT SYSTEM.



**UNOFFICIAL
SET
NOT FOR
BIDDING**

NO	DATE	BY	DESCRIPTION
1	10/1/23	GB	CHANGED DATE OCT. 1, 2023

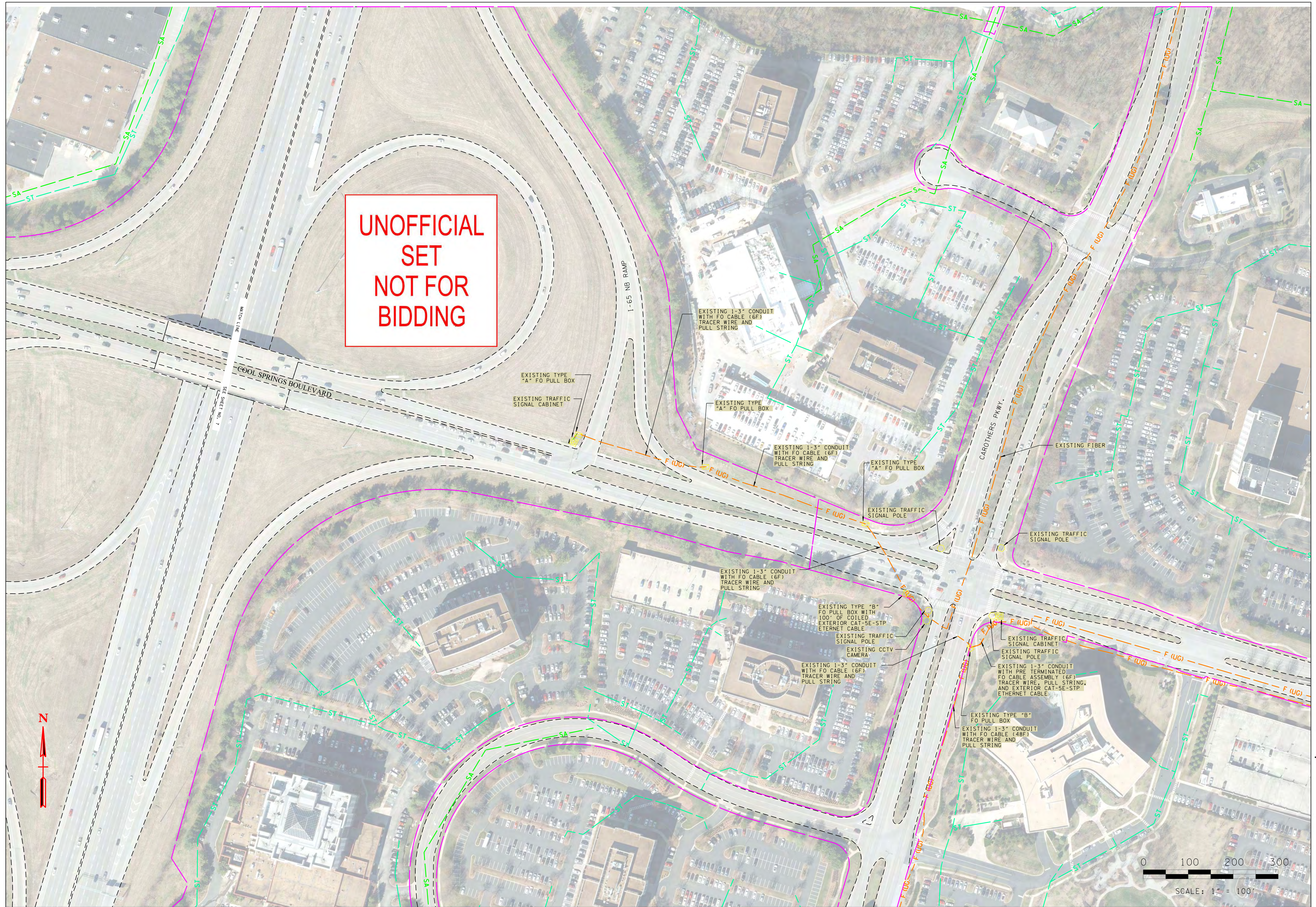
PROPOSED LAYOUT
COOL SPRINGS EXTENSION
FRANKLIN ITS DESIGN
FRANKLIN, TENNESSEE

UNOFFICIAL
SET
NOT FOR
BIDDING

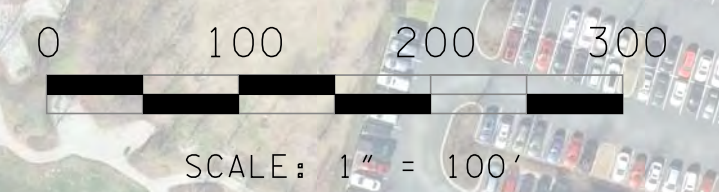


DATE: JUN. 13, 2024
DESIGNED BY: GERALD BOLDEN
DRAWN BY: SMR

YEAR: 2024
SHEET NO: 7B



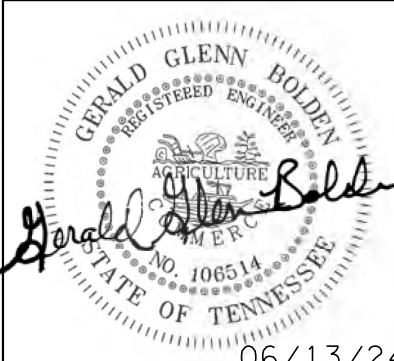
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SET
NOT FOR
BIDDING



NO	DATE	BY	DESCRIPTION
1	10/1/23	GGB	CHANGED DATE OCT. 1, 2023

PRESENT LAYOUT
COOL SPRINGS EXTENSION
FRANKLIN ITS DESIGN
FRANKLIN, TENNESSEE

UNOFFICIAL SET
NOT FOR BIDDING



DATE: JUN. 13, 2024
DESIGNED BY: GERALD BOLDEN
DRAWN BY: SMR

YEAR: 2024
SHEET NO: 8

