

October 19, 2026

Justin Davidson
JEFFERSON COUNTY PUBLIC SCHOOLS
3001 Crittenden Drive, Bldg 6
Louisville, Kentucky, 40209

RE: Proposed installation of one (1) six inch underground transverse steel carrier pipe and two (2) 1.25-inch HDPE conduits, one empty and one containing one (1) 12-count fiber optic wireline wholly within the public right of way of Dumesnil St. at DOT Crossing #851018J

**Midwest Division, at Mile Post 272.85 W
Louisville, Jefferson, Kentucky
Latitude 38.237127, Longitude -85.803699
NS Activity No. 1333821**

Dear Justin Davidson:

RailPros, as consultant for Norfolk Southern Railway Company ("Railway"), has reviewed the above-referenced request. Based on the information and documentation presented, Railway has no objections to the proposed work.

Attached you will find the requested offer of agreement for execution, by an official authorized to execute contract agreements on behalf of the Licensee. Please have the agreement executed via DocuSign. Note, however, that the attached offer of agreement does not constitute a binding contract, unless or until it is executed by both the Licensee and Railway.

In order for Railway to countersign the document, the following items are needed for review:

1. **Payment of the Protection Services Coordination Fee** in the amount of \$700.00;
2. **A Certificate of Insurance** as required in the agreement, is to be submitted within the Application System
3. The submission of the **Risk Management Fee** of \$1,950.00 adds the specific project/activity to the Norfolk Southern Master Railroad Protective insurance policy, and as such no further railroad protective liability insurance coverage is necessary or requested.

NOTE: No work shall be permitted on or about the Railway's property until the agreement becomes binding, and the Division Engineer or their authorized representative has reviewed and approved field services for the project, such as *flagging protection, construction monitoring, and post-construction inspection services*. Once the above items are received, the fully executed agreement will be sent, along with the name and contact information for field service coordination.

If we have not received the executed agreement and corresponding payments and/or documents within sixty (60) days from the date of this letter, we reserve the right to cancel this request.

If you have any questions, please contact me within the messages tab of the application portal or by calling the number listed below.

Sincerely,

Peggy Betzer

Real Estate Manager

11819 Miracle Hills Dr. Ste, 102
Omaha, NE 68164

P: (402) 965-0539 **F:** (866) 762 - 7619

www.railpros.com

NORFOLK SOUTHERN RAILWAY COMPANY

**ACKNOWLEDGMENT FORM FOR WIRE AND/OR PIPE OCCUPATION
WITHIN THE LIMITS OF A PUBLIC RIGHT OF WAY.**

APPLICANT: JEFFERSON COUNTY PUBLIC SCHOOLS

3001 Crittenden Drive, Bldg 6
Louisville, Kentucky 40209

SUBJECT: Louisville, Jefferson County, Kentucky
Milepost 272.85 W, FAIRGROUND LEAD , Midwest Division
Latitude 38.237127, Longitude -85.803699

Norfolk Southern Activity No. 1333821

Proposed installation of one (1) six inch underground transverse steel carrier pipe and two (2) 1.25-inch HDPE conduits, one empty and one containing one (1) 12-count fiber optic wireline wholly within the public right of way of Dumesnil St. at DOT Crossing #851018J (collectively, the "Facilities")

In response to Applicant's submittal dated November 03, 2025, regarding the proposed construction of the subject project, Norfolk Southern Railway Company ("Railway") does not object to the installation of the Facilities as shown on the attached Drawing marked Exhibit "A", dated October 15, 2026, provided Applicant adheres to the following terms and conditions:

- The Facilities shall be installed, constructed, maintained, repaired, operated and removed by and at the sole risk, cost and expense of the Applicant, (collectively, "Operate" or "Operations").
- The Facilities must conform with all Federal, State and local laws, rules and regulations and will not be attached to any railroad structure or appurtenance and will not be located on any private property of Railway.
- The design and construction of aerial Facilities shall comply with Railway's NSCE-4 Specification, latest edition, and underground Facilities shall comply with Railway's NSCE-8 Specification, latest edition.
- Insurance

(a) Insurance Requirements. Without limiting in any manner the liability and obligations assumed by Applicant under any other provision of this Agreement, and as additional protection to Railway, Applicant shall comply with the following provisions:

(i) Subject to subsection (ii) below, upon execution of this Agreement, Applicant shall pay Railway a risk financing fee of \$1,950 (the "Risk Financing Fee") to provide Railroad Protective Liability Insurance or such supplemental insurance (which may be self-insurance) as Railway, in its sole discretion, deems to be necessary or appropriate with respect to the initial construction and installation of the Facilities.

(ii) Prior to commencement of each Operations project that requires access to the Premises, unless Railway elects to make available and Applicant pays the then-current Risk Financing Fee for a given Operations project, Applicant shall furnish Railway with an original Railroad Protective Liability ("RPL") Insurance Policy naming Railway as the named insured and having a limit of (1) not less than a combined single limit of \$2,000,000 each occurrence and \$6,000,000 aggregate, or (2) if the value of a given operations project exceeds \$500,000, not less than a combined single limit of \$5,000,000 per occurrence and \$10,000,000 in the aggregate. Each RPL policy shall conform to CG 00 35 04 13 or equivalent and include coverage for Terrorism and the Physical Damage to Property Endorsement and shall name Norfolk Southern Corporation and its affiliates and subsidiaries as the insured. Applicant shall ensure that the project location, Applicant identification and work description appear on the declaration pages of a given RPL policy. Applicant shall provide an electronic copy of each RPL policy (and not merely the binder) to Railway at ns.permitting@railpros.com for review and approval prior to commencing any work on the associated Operations project. Applicant may submit inquiries about RPL issues at ns.permitting@railpros.com.

(iii) Applicant shall maintain a Commercial General Liability ("CGL") policy containing products and completed operations and contractual liability coverage, with a combined single limit of not less than \$2,000,000 for each occurrence. Any portion of this requirement may be satisfied by a combination of General Liability and/or Excess/Umbrella Liability Coverage. The policy shall not deny any obligation of any insured under the Federal Employer's Liability Act, as amended. The CGL policy shall provide additional insured coverage equivalent to ISO CG 20 10 11/85.

(iv) Applicant shall maintain Automobile Liability Insurance with a current ISO occurrence form policy (or equivalent) and apply on an "any auto" (Symbol 1) basis, including coverage for all vehicles used in connection with the Work or Services on the leased property, providing annual limits of at least \$1,000,000 per occurrence for bodily injury and property damage combined including uninsured and underinsured motorist coverage, medical payment protection, and loading and unloading.

(v) Applicant shall maintain Workers' Compensation Insurance to meet fully the requirement of any compensation act, plan or legislative enactment applicable in connection with the death, disability or injury of Applicant's officers, agents, servants or employees arising directly or indirectly out of the performance of this Agreement;

(vi) Applicant shall maintain Employers' Liability Insurance with limits of not less than \$1,000,000 each accident \$1,000,000 policy limit for disease, and \$1,000,000 each employee for disease;

(b) General Insurance Requirements. Each insurance policy referred to in subsection (a) above shall also comply with the following requirements:

(i) Additional Insureds. Each insurance policy (excluding any RPL policy and Workers' Compensation policy) shall name Railway and its parent, subsidiary and affiliated companies as additional insureds with an appropriate endorsement to each policy.

(ii) Applicant's Coverage Primary and Without Right to Contribution. All policies secured by Applicant, whether primary, excess, umbrella or otherwise, and providing coverage to the Railway as an additional insured (i) are intended to take priority in responding and to pay before any insurance policies Railway may have secured for itself must respond or pay and (ii) may not seek contribution from any policies the Railway may have secured for itself.

(iii) Severability of Interests (Cross Liability). No cross-liability exclusions are permitted that would apply to the additional insureds, and there may not be any restrictions in any policy that limits coverage for a claim brought by an additional insured against a named insured.

(iv) Waiver of Subrogation. To the fullest extent permitted by law, all insurance furnished by Applicant pursuant to this Agreement shall include a waiver of subrogation in favor of Railway with an appropriate endorsement to each policy.

(v) Notice of Cancellation, Modification or Termination. Each insurance policy shall not be subject to cancellation, termination, modification, changed, or non-renewed except upon thirty (30) days prior written notice to the additional insureds.

(vi) No Limitation. Each insurance policy shall not limit any of Applicant's indemnity obligations or other liabilities under this Agreement. The insurance available to Railway and its parent, subsidiary and affiliated companies as additional insureds shall not be limited by these requirements should Applicant maintain higher coverage limits.

(vii) Any deductibles or self-insured retentions of Applicant over \$50,000 must be declared and approved by Railway. Approval of such requests shall not be unreasonably withheld.

(viii) Applicant shall require all subcontractors who are not covered by the insurance carried by Applicant to maintain the insurance coverages set forth in subsection (a) above, except

for the RPL insurance, including but not limited to additional insured status for Railway and its parent, subsidiary and affiliated companies.

(ix) Applicant shall furnish their memorandum of insurance and the RPL Insurance Policy to Railway's Managing Agent prior to execution of this Agreement at ns.permitting@railpros.com. The insurance coverage required herein shall in no way limit Applicant's liability under this Agreement.

- Applicant shall, at Applicant's sole cost and expense, contract with one or more vendors authorized by Railway (each an "Authorized Vendor") for the provision of Support Services. The term "Support Services" means such materials and services as necessary, in Railway's sole judgment, to support the railroad tracks in the Facilities' vicinity and to protect Railway's traffic, including without limitation flagging services and Construction Monitoring during the installation, maintenance, repair, renewal or removal of the Facilities. Support Services shall be provided unless Railway's Division Engineer or his or her authorized representative provides to Applicant a written waiver of Support Services, whether in whole or in any part, in a given instance. The term "Construction Monitoring" means services comprised of one or more representatives from an Authorized Vendor being assigned and present to monitor construction activities of Applicant, which may include a preconstruction site assessment and a post-construction site assessment
- Prior to commencement of any work to be performed on or about Premises, Applicant shall notify the appropriate Division Engineer or their authorized representative for the scheduling of "Support Services". Within seventy-two (72) hours after the Division Engineer's or their authorized representative's actual receipt of such notification, they shall review the necessity and availability of Support Services for the proposed work and advise Applicant of such matters and the estimated cost therefor. No work shall be permitted on or about the Premises without the presence of Railway's Support Services or the Division Engineer's waiver of the requirement for Support Services. Entry on or about the Premises or any other Railway right-of-way without the Division Engineer's prior approval shall be deemed trespassing. Applicant agrees to pay Railway, within thirty (30) days after delivery of an invoice therefor, for any protection and inspection costs incurred by Railway, in Railway's sole judgment, during any such entry.
- In the event it becomes necessary for Applicant to deviate from the approved plans and specifications, Applicant shall seek prior approval from Railway's Division Engineer or his or her authorized representative and, when applicable, an authorized representative of the Division Engineer in the field during Construction Monitoring or inspection.
- All cost or expense resulting from any and all loss of life or property, or injury or damage to the person or property of any person, firm or corporation (including the parties hereto and their respective officers, agents and employees) and any and all claims, demands or actions for such loss, injury or damage, caused by or growing out of the presence or use, or the construction, maintenance, renewal, change or relocation and subsequent removal of the Facilities and appurtenances herein referred to shall be borne by Applicant unless caused solely by the negligence or willful misconduct of Railway.
- Upon abandonment of the Facilities by Applicant, Applicant shall seek direction from Railway's Chief Engineer, or his representative, regarding the method of abandonment if the Facilities will be abandoned in place.
- In the event the Facilities consist of electrical power or communication wires and appurtenances, Applicant shall promptly remedy any inductive interference growing out of, or resulting from the presence of, the Facilities.
- In the event the Facilities consist of an underground occupation, Applicant will be responsible for any settlement caused to the roadbed, right of way and/or tracks, facilities and appurtenances of Railway arising from or as a result of the installation of the Facilities, and Applicant shall pay to Railway on demand the full cost and expense.
- All rights and obligations conferred hereby shall extend to the successors and assigns of the parties hereto, provided that the Applicant shall in no event transfer or assign its rights hereunder without the written consent of Railway, which will not be unreasonably withheld.

- If the public road is abandoned by the appropriate governmental authority and the Facilities remain within the limits of Railway's right of way after such abandonment, as a condition for the continuing presence of the Facilities within Railway's right of way, Railway and Applicant shall agree upon an appropriate occupancy fee or rental for the Facilities and execute an amendment to this Agreement within ninety (90) days after the date upon which such public road is abandoned.
- Any and all notices, demands or requests by or from Railway to Applicant, or Applicant to Railway, shall be in writing and shall be sent by (a) postage paid, certified mail, return receipt requested, or (b) a reputable national overnight courier service with receipt therefor, or (c) personal delivery, and addressed in each case as follows:

If to Railway: c/o Norfolk Southern Corporation
650 West Peachtree St. Box 22
Atlanta, Georgia 30308
Attention: Director Real Estate

If to Applicant: JEFFERSON COUNTY PUBLIC SCHOOLS
3001 Crittenden Drive, Bldg 6
Louisville, Kentucky 40209
Attention: Justin Davidson

Either party may, by notice in writing, direct that future notices or demands be sent to a different address. All notices hereunder shall be deemed given upon receipt (or, if rejected, upon rejection).

ACCEPTED BY:

NORFOLK SOUTHERN RAILWAY COMPANY

Real Estate Manager

DATE _____

JEFFERSON COUNTY PUBLIC SCHOOLS DBA JEFFERSON COUNTY PUBLIC SCHOOLS

Title Superintendent Jefferson County Public Schools

DATE _____

Activity Number: 1333821
10/19/2026 PJB



EXHIBIT A

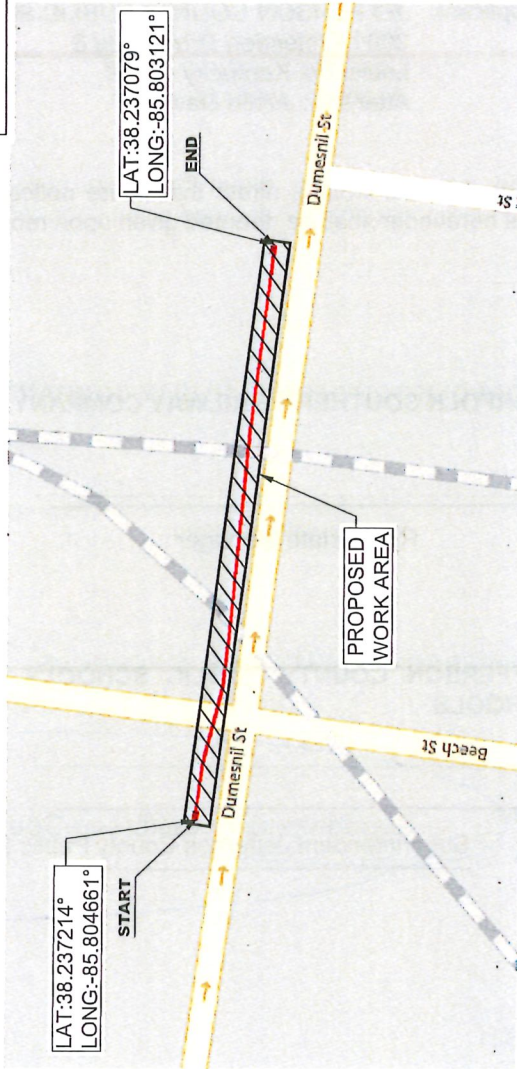
13 Pages
Norfolk Southern Railway Company
Accompanying Agreement With
Jefferson County Public Schools

Activity No.: 1333821 E.S.: LOUISVILLE
Division: Midwest Mile Post: 0272.85 W
Val Sec: 90D Map No.: 6
City: Louisville County: Jefferson
State: Kentucky
Lat: 38.237127 Long: -85.803699

All work to be performed in accordance
with the latest approved Norfolk Southern
NSCE-4 and NSCE-8 Specifications

BLASTING NOT PERMITTED

DATED 10/15/2026



LOCATION MAP

PROJECT DESCRIPTION

- VERO NETWORKS/ JEFFERSON COUNTY PUBLIC SCHOOLS
- INSTALLATION OF (1) 1/2" SDR CONDUITS INSIDE (1) 6" HOPE CASING AT A DEPTH OF 42" MINIMUM VIA DIRECTIONAL BORE FOR NEW FIBER OPTIC CABLE PLACEMENT.

APPLICABLE CODES

ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE FOLLOWING CODES AND SPECIFICATIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.

ELECTRICAL CODE 2012 NATIONAL ELECTRICAL SAFETY CODE

ENGINEERING BILL OF MATERIALS

ITEM DESCRIPTION
1. 1/2" OF (1) 1/2" HOPE SDR 11 CONDUIT
2. 475 OF 1.80 COUNT ARMORED SNF-28 FIBER
3. 120' OF 1.80 COUNT ARMORED SNF-28 FIBER
4. 375' (1) 1/2" HOPE CASING

CONTACT

OWNER:
VERO NETWORKS
ALEX ANASTASIOU
ALEXAN@VERONETWORKS.COM
781-267-2941

CONSULTANT:
FULLERTON ENGINEERING CONSULTANTS, LLC
1105 WOODBRIDGE RD, SUITE 200
SCHAMBERG, IL 60173
FULLERTON@FULLERTONLLC.COM
708-243-3711



Fullerton
DESIGN DEVELOP CONSTRUCT
1100 E WOODFIELD ROAD, SUITE 200
SCHAMBERG, ILLINOIS 60173
TEL: 708-243-3711
CD-04-0013
www.fullerton-usa.com

#	DATE	DESCRIPTION	INT.	RT
A	08/11/25	90% REVIEW	INT.	
B	05/28/26	100% FINAL	INT.	
C	08/13/26	100% FINAL	SD	
D	10/15/26	100% FINAL	BS	

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF THEY COMPLY WITH ALL REQUIREMENTS OF ALL APPLICABLE CODES.

PROJECT NAME	VERO-LOUISVILLE-KY
SEGMENT	DUMESNIL ST
CITY, COUNTY, STATE	LOUISVILLE, KY JEFFERSON COUNTY

SHEET SCALE	N.T.S
SHEET NAME	
TITLE PAGE	
SHEET NUMBER	T-1

REV	DATE	DESCRIPTION	BY
A	08/11/25	90% REVIEW	RT
B	05/28/26	100% FINAL	INT
C	08/13/26	100% FINAL	SD

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES.

SEGMENT NAME	DUMESNIL ST
TASK DESCRIPTION	UG FIBER
PROJECT AREA	LOUISVILLE, KY JEFFERSON COUNTY
SHEET SCALE	N.T.S.
SHEET TITLE	SHEET INDEX
GRID NUMBER	02 OF 13
SHEET NUMBER	T-2

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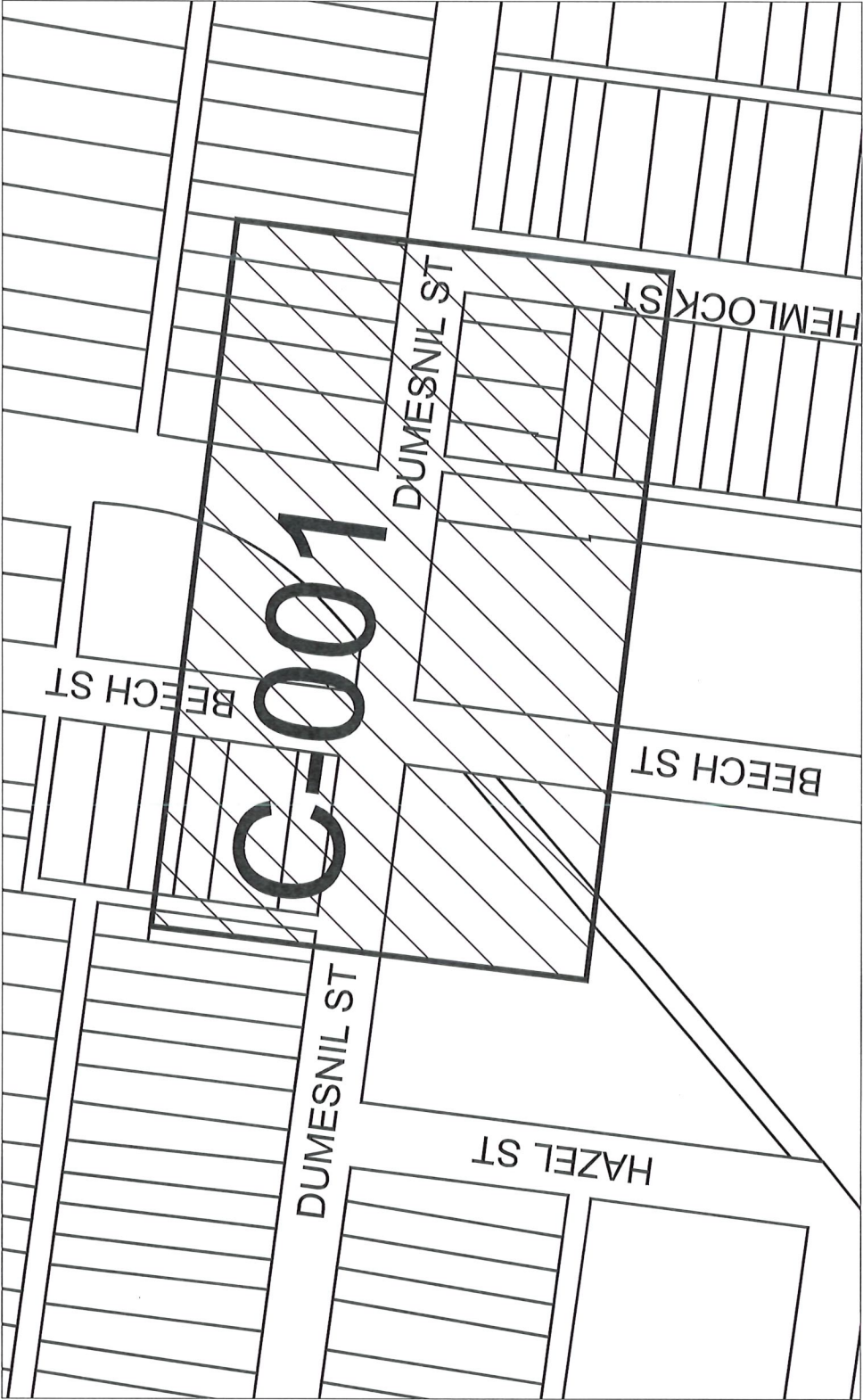


Fullerton
DESIGN DEVELOP CONSTRUCT
1100 E WOODFIELD ROAD, SUITE 500
SCHALMERS, ILLINOIS 60173
TEL 847.598.8400
www.fullerton-ill.com

REV	DATE	DESCRIPTION	BY
A	08/11/25	90% REVIEW	RT
B	05/28/26	100% FINAL	INT
C	08/13/26	100% FINAL	SD

I HEREBY CERTIFY THAT THESE DRAWINGS WERE
PREPARED BY ME OR UNDER MY DIRECT
SUPERVISION AND THAT I AM A LICENSED
PROFESSIONAL ENGINEER AND I AM A RESIDENT
OF MY KNOWLEDGE AND BELIEF COMPLY WITH
THE REQUIREMENTS OF ALL APPLICABLE CODES.

SEGMENT NAME	DUMESNIL ST
TASK DESCRIPTION	UG FIBER
PROJECT AREA	LOUISVILLE, KY JEFFERSON COUNTY
SHEET SCALE	N.T.S.
SHEET TITLE	MAP
GRID NUMBER	03 OF 13
SHEET NUMBER	MAP-1



11x17 SCALE NTS
24x36 SCALE NTS

PLAN SET

1

1. THE ENCLOSED DESIGN MAY IMPLY EXISTING UTILITIES. THE UTILITIES HAVE NOT BEEN FIELD VERIFIED FOR LOCATION. THEREFORE ALL NEW INSTALLATIONS SHALL BE FIELD VERIFIED FOR LOCATION.

THESE UTILITIES ARE TO BE REFERRED TO AS A "REFERENCE TOOL." IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND ITS SUBCONTRACTOR TO VERIFY THESE UTILITIES USING ANY AND ALL METHODS AND INSTRUMENTS AVAILABLE IF/WHEN NECESSARY. FULLERTON CANNOT IN GOOD FAITH GUARANTEE UTILITY LOCATIONS, ANY AND ALL DOCUMENTATION ON EXISTING UTILITIES HAS BEEN IMPLIED UTILIZING INFORMATION RETRIEVAL PROCESSES FROM EACH JURISDICTION INVOLVED (STATE, COUNTY AND/OR MUNICIPALITY, TO INCLUDE OTHERS).

2. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE ALL CONDUITS ARE PLACED WITHIN THE GIVEN & DEDICATED SPACE LICENSED BY FULLERTON ENGINEERING CONSULTANTS, INC. (FULLERTON) WAS NOT RETAINED FOR THE PURPOSE OF SUPPORTING SURVEY DATA. THEREFORE, FULLERTON CANNOT AND WILL NOT SUPPORT THE ACCURACY OF ANY IMPLIED BOUNDARY (I.E. PUBLIC WAY, PROPERTY, EASEMENT ETC), NOR IS IT TO BE ASSUMED THAT THE SALE OF PROPERTIES HAS NOT OCCURRED, EVEN AFTER FULLERTON'S RESPONSIBILITIES FOR THIS PROJECT HAVE PAST. ALL BOUNDARIES, EASEMENTS, PROPERTY LINES, ETC. ARE TO BE USED AS A GUIDELINE OR REFERENCE AND SHOULD NOT BE TAKEN LITERALLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY ANY DISCREPANCIES OR QUESTIONS. IF SO QUESTIONED, ALL ASPECTS OF BOUNDARIES IMPLIED HEREIN, HAVE BEEN DERIVED THROUGH AVAILABLE MEANS SUCH AS GOOGLE EARTH PRO, MUNICIPAL, STATE, COUNTY, GIS, AND OTHER RECORD TYPES). FULLERTON DOES NOT AGREE NOR DISAGREE WITH THE ABOVE-MENTIONED RECORDS AS THEY ARE USED JUST A REFERENCE TOOL.

3. ALL BURIED OBSTRUCTIONS KNOWN BY FULLERTON ARE SHOWN ON THE CONSTRUCTION DRAWINGS. ANY AND ALL OTHERS ENCOUNTERED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT.

4. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

5. SHORING MAY BE REQUIRED AND SHALL COMPLY TO O.S.H.A. STANDARDS.

6. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 42" MINIMUM COVER UNLESS SPECIFIED OR OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS.

7. ANY AND ALL IMPROVEMENTS, IF DAMAGED, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION. THIS INCLUDES BUT IS NOT LIMITED TO: ASPHALT, CONCRETE PAVEMENT, CURBS, GUTTERS, SIDEWALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC..

8. ALL FIBER INSTALLATIONS SHALL OBSERVE A MINIMUM DYNAMIC BEND RADIUS OF 20X THE CABLE DIAMETER FOR ALL OSP FIBER SHEATHS AND 15X THE CABLE DIAMETER FOR ALL ISP FIBER SHEATHS. ADDITIONALLY, ALL INSTALLATIONS SHALL OBSERVE A MINIMUM STATIC BEND RADIUS OF 15X THE CABLE DIAMETER FOR ALL OSP FIBER SHEATHS AND 10X THE CABLE DIAMETER FOR ALL ISP FIBER SHEATHS. IF THE MANUFACTURER'S SPECIFICATIONS FOR BEND RADIUS ARE GREATER, THEN THEY SHALL BE FOLLOWED.

g. ALL NEW METALLIC AERIAL STRAND SHALL BE BONDED/GROUNDED (PREFERABLY TO THE POWER COMPANY NEUTRAL) PER LOCAL REQUIREMENTS. AT A MINIMUM, THE BONDING/GROUNDING PATTERN SHALL BE THE FIRST AND LAST POLE OF A RUN AND EVERY TENTH POLE IN THE RUN. SHOULD ONE OF THESE DESIGNATED POLES SUPPORT A POWER TRANSFORMER, THE POLES ON EITHER SIDE OF SAID POLE SHALL BE BONDED/GROUNDED AND THE PATTERN SHOULD CONTINUE EVERY TENTH POLE FROM THAT STARTING POINT.

10. ALL AERIAL FIBER OPTIC CABLES SHALL BE SECURELY LASHED TO AERIAL STRAND BY METHOD OF MECHANICAL LASHING CARRIAGE OR APPROVED EQUAL.

11. ALL FIBER OPTIC CABLES INSTALLED BELOW GRADE SHALL BE OF AN ARMORED VARIETY WITH METALLIC INNER SHEATH, OR BE PLACED WITH A METALLIC LOCATING WIRE TO FACILITATE FUTURE LOCATING SERVICES.

12. ALL CONDUIT OR DUCT CONSTRUCTION SHALL INCLUDE THE PLACEMENT OF PULLING TAPE OF SUFFICIENT SIZE AND GRADE TO FACILITATE THE INSTALLATION OF THE SPECIFIED FIBER TYPE THROUGH CONDUIT BEING UTILIZED (JETLINE USE TO BE APPROVED BY CLIENT).

13. ALL FUSION SPLICING SHALL BE COMPLETED BY A QUALIFIED FIBER SPICER IN A CLEAN TEMPERATURE CONTROLLED TRUCK, TRAILER, OR SHELTER SPECIFICALLY TOOLED OR DESIGNED FOR THE PURPOSE OF FUSION SPLICING FIBER OPTIC CABLES IN A FIELD ENVIRONMENT.

14. ALL MECHANICAL SPLICES AND FACTORY ENDS SHALL BE KEPT CLEAN AND FREE FROM DUST, DIRT, OILS, AND SWEATS. CARE SHOULD BE TAKEN TO MATCH POLISH TYPES ON FACTORY ENDS.

15. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO WORK IDENTIFIED AS UNACCEPTABLE BY CLIENT, ENGINEER, OR INSPECTOR, DURING SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING. CONTRACTOR SHALL ALSO PROVIDE ALL AS-BUILT INFORMATION UPON COMPLETION OF INSPECTION.

16. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH, AT THE COMPLETION OF THE WORK, CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS. CONTRACTOR TO RETURN SITE TO PREVIOUS OR BETTER CONDITION.

17. DRAWINGS ARE INTENDED TO SHOW DESIGN INTENT. CONTRACTOR SHALL PROVIDE MATERIALS AND LABOR AS REQUIRED TO PRODUCE A COMPLETE AND FUNCTIONING SYSTEM WHILE MEETING ALL CODES AND SPECIFICATIONS. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS. SUCH MODIFICATIONS SHALL BE INCLUDED IN THE WORK. SAID DESIGN IS INTENDED TO AVOID DISRUPTION OF ANY HANDICAP RAMPS OR STRUCTURES AS DESCRIBED PER THE AMERICANS WITH DISABILITIES ACT OF 1990.

18. CONTRACTOR SHALL WORK WITH CLIENT TO IDENTIFY ALL CONTRACTOR SUPPLIED MATERIALS TO CONSTRUCT NETWORK PER SPECIFICATIONS.

19. FULLERTON HAS SUPPLIED BILL OF MATERIALS AS A GUIDELINE FOR CONSTRUCTION. CONTRACTOR SHOULD VERIFY ALL QUANTITIES, LENGTHS, AND SURPLUS PRIOR TO PURCHASING. CONTRACTOR SHOULD REPORT ANY DISCREPANCIES IN BILL OF MATERIALS TO FULLERTON. DO NOT SCALE DRAWINGS.

20. THE CONTRACTOR SHALL PROVIDE ALL MATERIAL, EQUIPMENT, LABOR, INSTALLATION, RESTORATION, UTILITY RELOCATION CHARGES, JOB SITE DELIVERY COSTS AND INCIDENTALS TO COMPLETE THE DESCRIBED OR ILLUSTRATED WORK UNDER THIS CONTRACT.

21. ANY CHANGE-ORDER REQUEST MUST BE PRESENTED IN WRITING TO THE OWNER'S REPRESENTATIVE AND APPROVED PRIOR TO PROCEEDING WITH THE REQUESTED CHANGE.

22. THE ENGINEER WILL NOT BE RESPONSIBLE NOR ASSUME ANY LIABILITY FOR NEGLIGENT ACTS OR ERRORS OF OMISSIONS OF THE CONTRACTOR OR ANY OF THE PERSONS (EXCEPT ENGINEERS OWN EMPLOYEES) AT THE PROJECT SITE OR OTHERWISE PERFORMING FOR HIS OWN SAFETY PROGRAM. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR HIS OR HER EMPLOYEES AND SUB-CONSULTANTS AT THE CONSTRUCTION SITE, SHALL RELIEVE ANY CONTRACTOR OF HIS OR HER OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING DOCUMENTS AND ANY VIOLATIONS OF ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY APPLICABLE LAWS, ORDINANCES, REGULATIONS, AND STANDARDS. THE ENGINEER AND HIS OR HER PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTINGENT OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH ANY HEALTH OR SAFETY PRECAUTIONS.

23. ALL MATERIALS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL BE IN CONFORMANCE WITH STANDARD RECOMMENDATIONS OF THE NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION (NEMA) AND THE AMERICAN STANDARDS INSTITUTE (ANSI).

24. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND COMPLY WITH THE REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTION OVER THE WORK AND SHALL COORDINATE HIS WORK WITH THE WORK PERFORMED BY OTHERS FOR THE PURPOSE OF INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL WORK WITH ALL PUBLIC AND PRIVATE UTILITIES AS WELL AS CITY AND STATE AGENCIES.

5. THE CONTRACTOR SHALL NOTIFY CITY - DIVISION OF ENGINEERING AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF ANY REQUIRED SITE INSPECTION AND AT LEAST TWO (2) DAYS IN ADVANCE OF ANY ADDITIONAL INSPECTIONS THAT MAY BE REQUIRED.

26. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF ELGIN - DEPARTMENT OF SEWERS AT LEAST 48 HOURS IN ADVANCE OF CONSTRUCTION WITH THE NAME OF THE PROJECT SUPERINTENDENT WHO CAN BE CONTACTED FOR ANY SEWER EMERGENCY.

37. CONTRACTOR SHALL RECORD THE LOCATION AND ELEVATION OF ALL UTILITIES ENCOUNTERED, AND INSTALLATION OF NEW WORK, AS THE WORK PROGRESSES AND SHALL PREPARE RECORD DRAWINGS (RED-LINES) BASED ON HIS RECORDS, AS A PART OF THE RECORD DRAWINGS. CONTRACTOR SHALL ALSO PROVIDE HORIZONTAL AND VERTICAL CONFIGURATION OF CONDUITS WHERE MULTIPLE CONDUITS ARE INSTALLED. THESE RECORDS ARE TO BE SUPPLIED TO FULLERTON ENGINEERING AT COMPLETION OF WORK.

18. MAINTAIN MORE THAN 2'-0" VERTICAL CLEARANCE AND MORE THAN 4'-0" HORIZONTAL CLEARANCE BETWEEN EXISTING SEWER OR SEWER STRUCTURES AND UTILITY. IF CITY OF ELGIN SEWER FACILITIES ARE DAMAGED DURING CONSTRUCTION, IT MUST BE REPORTED TO THEIR ENGINEERING SECTION AND MUST BE REPAIRED BY A LICENSED DRAIN LAYER UNDER THE SUPERVISION OF THE MASON INSPECTOR.

19. NO STORAGE OF EQUIPMENT OR MATERIALS IN THE ROADWAY IS PERMITTED UNLESS THE CONTRACTOR OBTAINS WRITTEN PERMISSION FROM THE CITY, STATE, AND/OR GOVERNING BODY.

10. CONTRACTOR RESPONSIBLE FOR OBTAINING AND PROVIDING REVIEW AND DESIGN OF ANY AND ALL SHORING SYSTEMS PRIOR TO CONSTRUCTION.

11. THE ENGINEER SHALL BE NOTIFIED FOR DISPOSITION OF SITUATIONS WHERE THE CONDUIT CANNOT MAINTAIN SEPARATIONS PER PLAN.

2. THE CONTRACTOR IS RESPONSIBLE FOR THE RESTORATION OF THE AREAS DISTURBED BY CONSTRUCTION ACTIVITIES. CONTRACTOR IS TO PAY ALL FEES AND OBTAIN ALL PERMITS FOR RESTORATION. CONTRACTOR IS TO RESTORE ALL DAMAGED STRUCTURES AND UTILITIES TO THE SATISFACTION OF THE FACILITY OWNER OR THE GOVERNING BODY. IN THE EVENT THAT DAMAGE OCCURS.

13. USE EXTREME CAUTION NEAR ALL GAS FACILITIES DURING CONSTRUCTION AND RELATED EXCAVATION ACTIVITIES. HAND EXCAVATION IS REQUIRED TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF GAS MAIN(S) PRIOR TO CROSSING AND WORKING WITHIN 3 FEET OF ALL GAS FACILITIES. A MINIMUM OF 3 FEET HORIZONTAL EDGE TO EDGE CLEARANCE IS REQUIRED FOR GAS MAINS WITH DIAMETERS OF 16 INCHES OR SMALLER, AND 5 FEET EDGE TO EDGE CLEARANCE FOR GAS MAINS WITH DIAMETERS OF 18 INCHES OR LARGER IN DIAMETER. THE USE OF CONCRETE, FLOW FILL, OR THE LIKE IS PROHIBITED WITHIN 24 INCHES OF ALL GAS FACILITIES. FLOW FILL, SAND, OR OTHER FACILITY-SPECIFIC SAND IS TO BE USED AS A BUFFER BETWEEN FLOWABLE FILL AND ALL GAS FACILITIES. ANY DAMAGE TO GAS FACILITIES SHALL BE THE RESPONSIBILITY OF THE INSTALLING UTILITY, AND THEIR CONTRACTORS.



REV	DATE	DESCRIPTION	BY
A	08/11/25	90% REVIEW	RT
B	05/28/26	100% FINAL	INT
C	08/13/26	100% FINAL	SD

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SEGMENT NAME	DUMESNIL ST
TASK DESCRIPTION	UG FIBER
PROJECT AREA	LOUISVILLE, KY JEFFERSON COUNTY
SHEET SCALE	N.T.S.
SHEET TITLE	GENERAL NOTES
GRID NUMBER	04 OF 13
SHEET NUMBER	GN-1

LEGEND:

PROPOSED

PROPOSED OPEN CUT TRENCH

PROPOSED DIRECTIONAL BORE

PROPOSED 4X4 MANHOLE

PROPOSED REPLACEMENT STREET LIGHT POLE

COMED

EXISTING COMED

EXISTING CTA

POTENTIAL BURIED CTA
ABANDONED TRACKS

EXISTING DEOELECTRIC

DEOELECTRIC

EXISTING STREET LIGHT CONTROL BOX

EXISTING TRAFFIC LIGHT CONTROL BOX

EXISTING STREET LIGHT HANDHOLE

EXISTING TRAFFIC LIGHT HANDHOLE

EXISTING RED LIGHT CAMERA POLE

ENWAVE/UNICOM

EXISTING ENWAVE/UNICOM

GAS

EXISTING GAS MAIN

EXISTING GAS MAIN (DEAD)

EXISTING GAS CAP

EXISTING GAS REDUCER

MISCELLANEOUS

EXISTING FENCE

EXISTING CONSTRUCTION FENCE

EXISTING GUARDRAIL

EXISTING PROPERTY LINE/ R.O.W.

EXISTING BIKE RACK

EXISTING TREE

EXISTING BUSH

EXISTING STREET SIGN POST

EXISTING POST/BOLLARD

EXISTING GROUND LIGHT

EXISTING UTILITY POLE

EXISTING STANDPIPE

EXISTING ADA RAMP

POT HOLE

PROPOSED BORE PIT

PROPOSED 30" COMMUNICATIONS MH

PROPOSED 36X24X30 HANDHOLE

COMMUNICATIONS

EXISTING COMMUNICATIONS

EXISTING CROWN CASTLE

EXISTING COMMUNICATION MANHOLE

EXISTING CROWN CASTLE MANHOLE

EXISTING COMMUNICATION HANDHOLE

EXISTING COMED MANHOLE

EXISTING CTA MANHOLE

EXISTING STREET LIGHT POLE

EXISTING TRAFFIC LIGHT POLE

EXISTING DEO POLE

EXISTING ELECTRIC MANHOLE

EXISTING ELECTRIC HANDHOLE

EXISTING RED LIGHT FLASH POLE

EXISTING ENWAVE/UNICOM MANHOLE

EXISTING GAS MANHOLE

EXISTING GAS VALVE

EXISTING GAS METER

EXISTING MISCELLANEOUS MANHOLE

EXISTING GARBAGE CAN

EXISTING PARK DISTRICT MANHOLE

EXISTING MONITORING WELL

EXISTING FIRE ALARM

EXISTING STREET PARKING PAY BOX

EXISTING PEDESTAL

EXISTING MAILBOX

EXISTING NEWSPAPER BOX

EXISTING PHONE

EXISTING SPRINKLER CONTROL BOX

EXISTING SPRINKLER VALVE

EXISTING SUPPORT COLUMN



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C	08/13/26	100% FINAL	SD

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SEGMENT NAME

DUMESNIL ST

TASK DESCRIPTION

UG FIBER

PROJECT AREA

LOUISVILLE, KY
JEFFERSON COUNTY

SHEET SCALE

N.T.S.

SHEET TITLE

LEGEND

GRID NUMBER

05 OF 13

SHEET NUMBER

GN-2



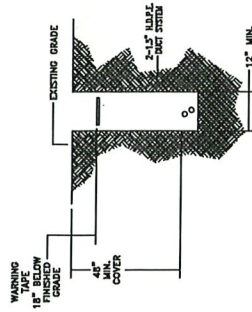
Fullerton
DESIGN DEVELOP CONSTRUCT
1100 E WOODFIELD ROAD, SUITE 500
SCHAUMBURG, ILLINOIS 60173
TEL: 630.286.8800
CO#44-4912
www.fullerton-usa.com

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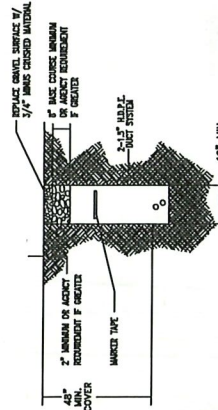
SEGMENT NAME	DUMESNIL ST
TASK DESCRIPTION	UG FIBER
PROJECT AREA	LOUISVILLE, KY JEFFERSON COUNTY
SHEET SCALE	N.T.S.
SHEET TITLE	DETAILS
GRID NUMBER	06 OF 13
SHEET NUMBER	D-1

TYPICAL TRENCH DETAILS



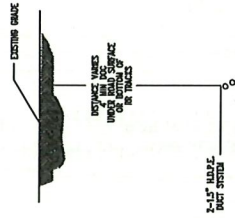
NOTE: BACKFILL WITH NATIVE MATERIAL OR AS DIRECTED BY CITY TO MEET THE REQUIRED DENSITY.

TYPICAL TRENCH IN EARTH
N.T.S.

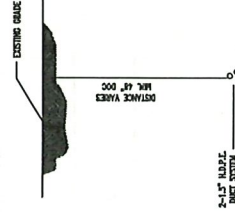


NOTE: BACKFILL WITH NATIVE MATERIAL OR AS DIRECTED BY CITY TO MEET THE REQUIRED DENSITY.

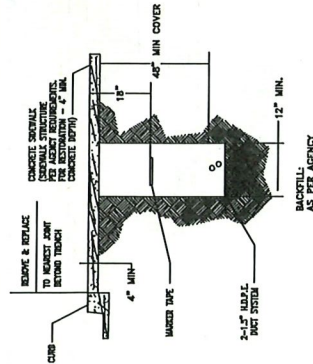
TYPICAL TRENCH IN GRAVEL
N.T.S.



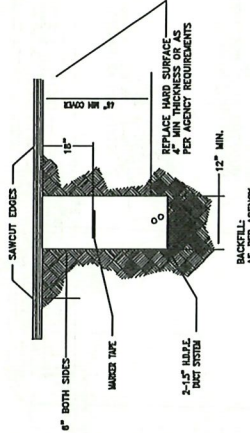
TYPICAL JACK AND BORE
N.T.S.



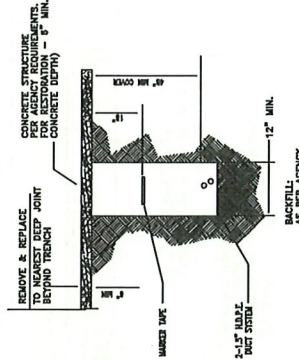
TYPICAL DIRECTIONAL BORE
N.T.S.



CONCRETE SIDEWALK RESTORATION
N.T.S.

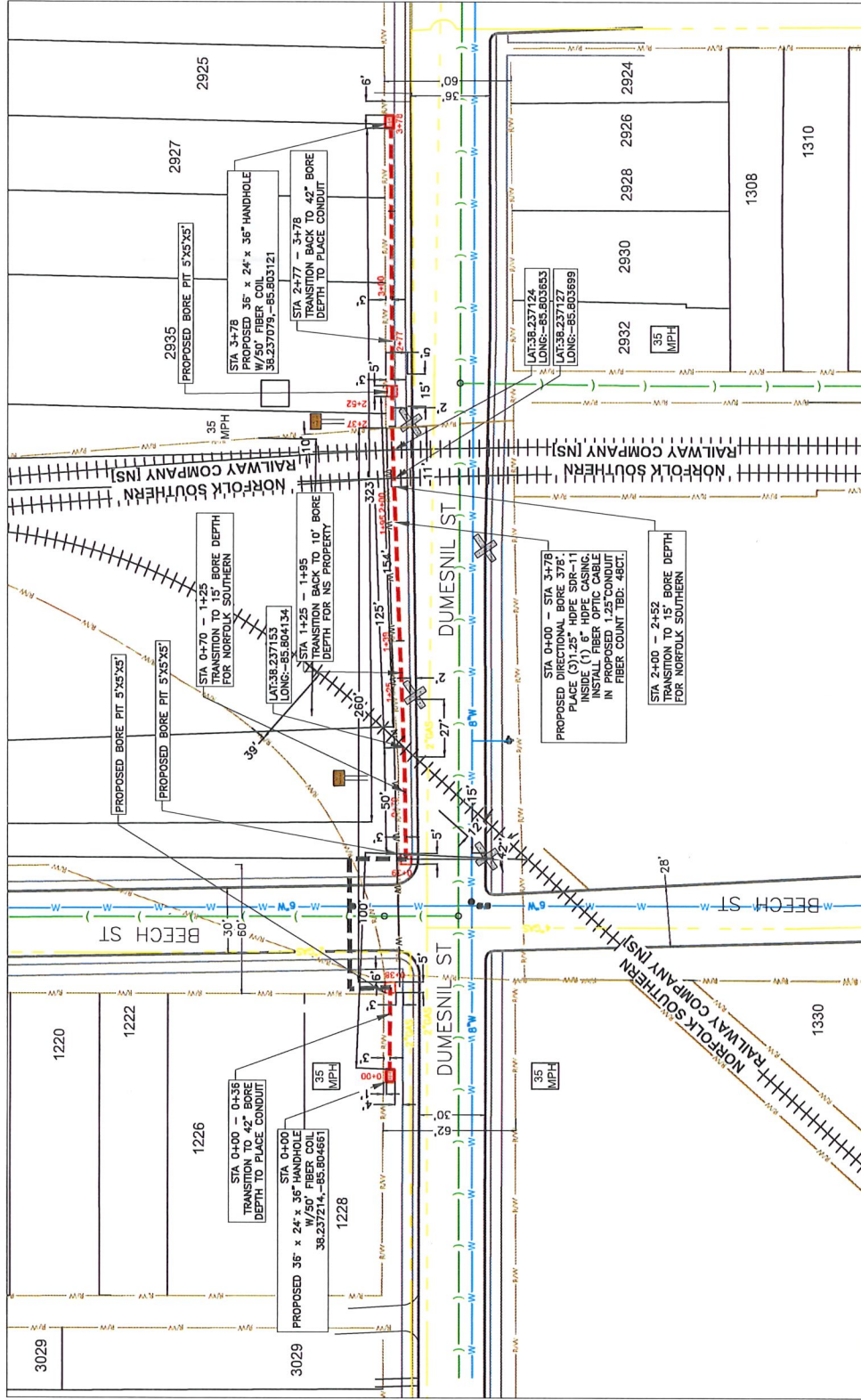


ASPHALT PAVEMENT RESTORATION
N.T.S.



CONCRETE PAVEMENT RESTORATION
N.T.S.

NOTE:
UTILITY & R.O.W. REPRESENTED ON PLANS
ARE BASED ON RECORDS; NOT ON
BOUNDARY SURVEY & FIELD EXPOSURES.



- NOTE:
- POT HOLE IS 1' DIAMETER IN SIZE
 - PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
 - MAINTAIN 3' CLEARANCE FROM EXISTING CITY UTILITY STRUCTURES
 - BURY AT 42" MIN. UNDER SOFT SURFACE-BURY AT 42" MIN. UNDER HARD SURFACE
 - MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.

"CAUTION"
CONTRACTOR TO LOCATE AND VERIFY
R.O.W. PROPERTY LINE, AND ALL EXISTING
UTILITIES PRIOR TO CONSTRUCTION

"CAUTION"
CONTRACTOR TO CONTACT 811 A MINIMUM OF 48
HOURS PRIOR TO THE START OF CONSTRUCTION TO
LOCATE UNDERGROUND UTILITIES. CONTRACTOR IS
REQUIRED TO HAVE A NO CONFLICT NOTICE OR
NOTICE THAT ALL UTILITIES IN THE AFFECTED AREA
HAVE BEEN MARKED PRIOR TO THE START OF
UNDERGROUND WORK



vero
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B	05/28/25	100% FINAL	INT
C	06/13/25	100% FINAL	SD

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SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF THEY COMPLY WITH
THE REQUIREMENTS OF ALL APPLICABLE CODES.

SEGMENT NAME

DUMESNIL ST

TASK DESCRIPTION

UG FIBER

PROJECT AREA

LOUISVILLE, KY
JEFFERSON COUNTY

SHEET SCALE

1" = 50'-0"

SHEET TITLE

DESIGN LAYOUT

GRID NUMBER

07 OF 13

SHEET NUMBER

C-001

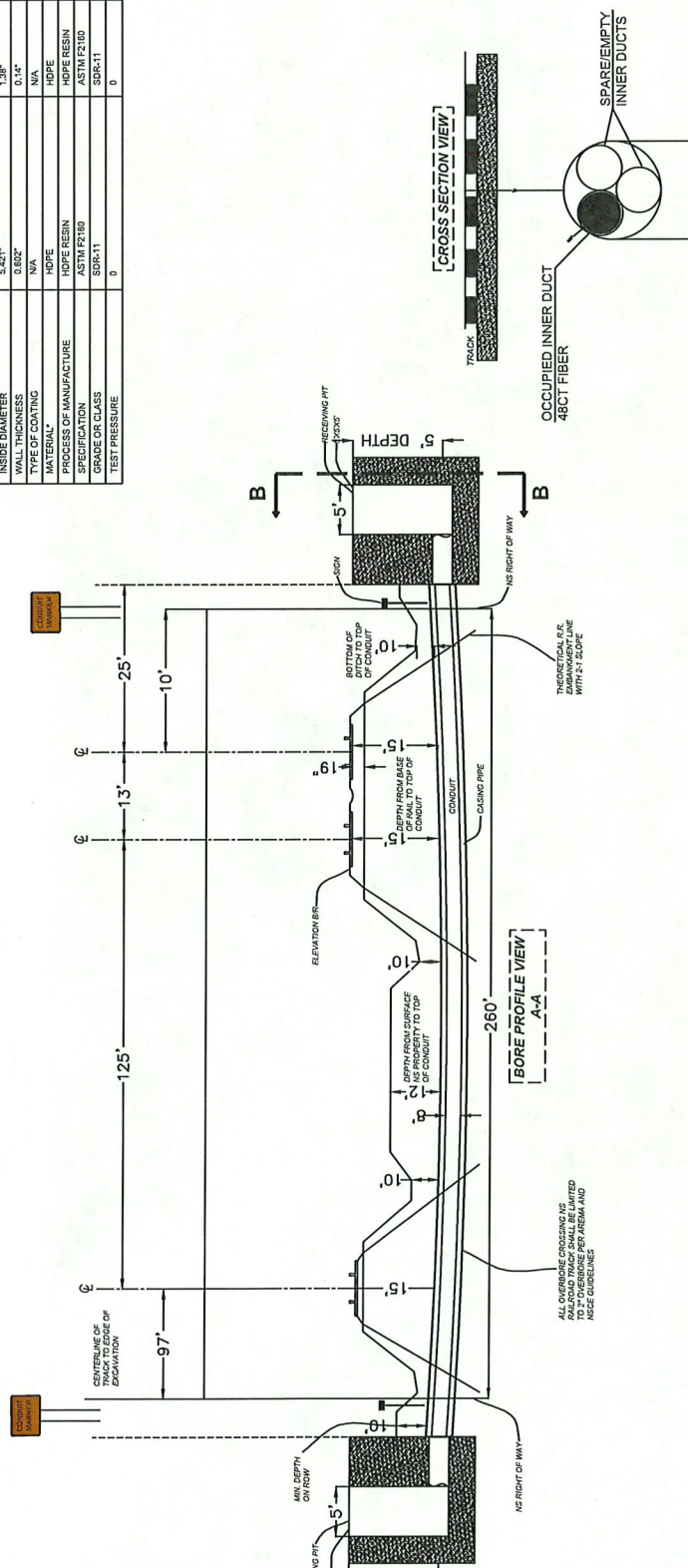


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C	08/13/26	100% FINAL	SD

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SEGMENT NAME	DUMESNIL ST
TASK DESCRIPTION	UG FIBER
PROJECT AREA	LOUISVILLE, KY JEFFERSON COUNTY
SHEET SCALE	1" = 50'-0"
SHEET TITLE	BORE_PROFILE
GRID NUMBER	08 OF 13
SHEET NUMBER	BP-1

CONDUIT DATA SHEET			CONDUIT / CASING PIPE	INNER DUCT
NOMINAL SIZE OF PIPE	6"			1.25"
OUTSIDE DIAMETER	6.625"			1.66"
INSIDE DIAMETER	5.421"			1.38"
WALL THICKNESS	0.602"			0.14"
TYPE OF COATING	N/A			N/A
MATERIAL	HDPE			HDPE
PROCESS OF MANUFACTURE	HDPE RESIN			HDPE RESIN
SPECIFICATION	ASTM F2100			ASTM F2100
GRADE OR CLASS	SDR-11			SDR-11
TEST PRESSURE	0			

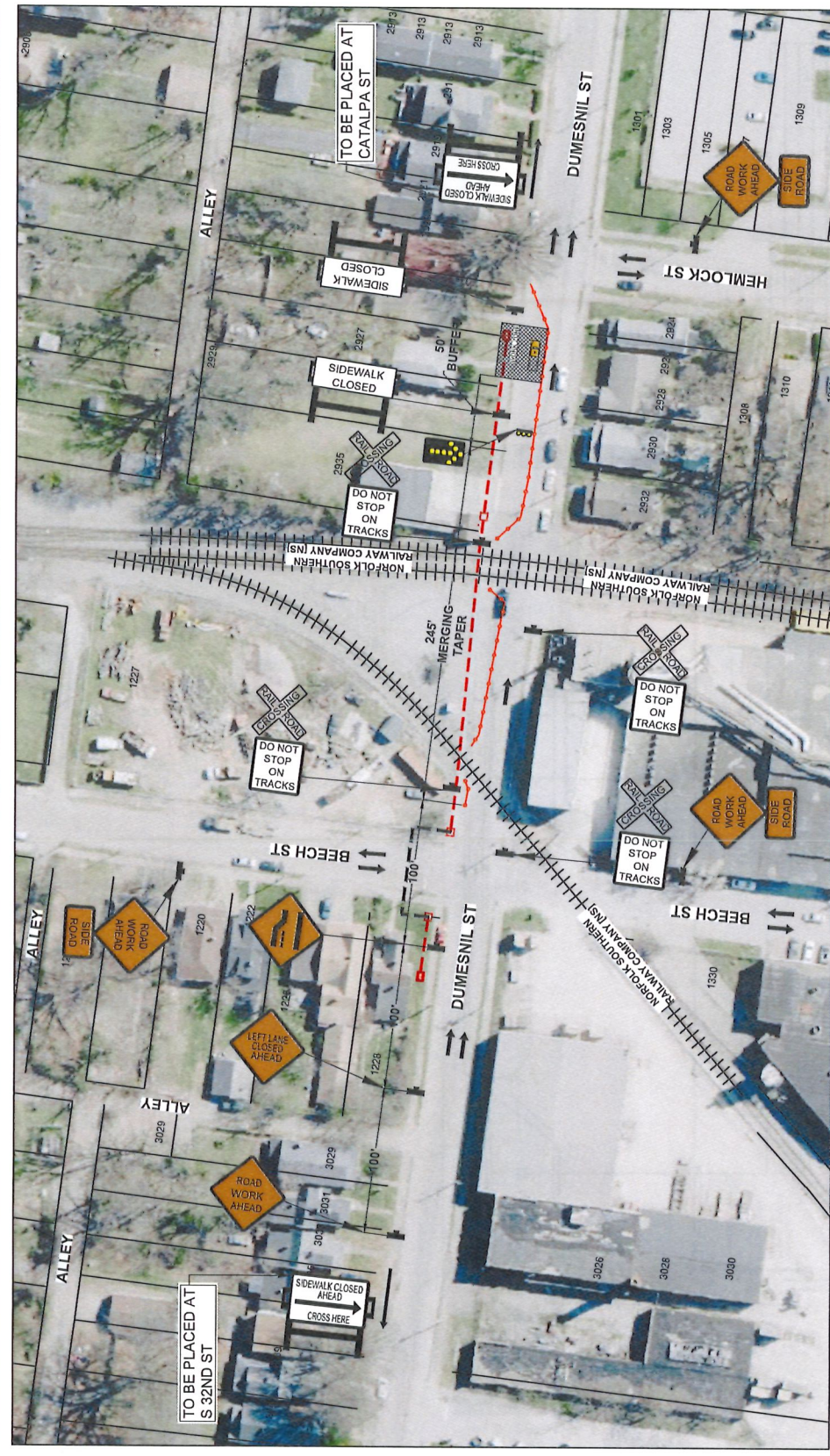


CAUTION
CONTRACTOR TO CONTACT 811 A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION TO LOCATE UNDERGROUND UTILITIES.
CONTRACTOR IS REQUIRED TO HAVE A NO CONFLICT NOTICE OR NOTICE THAT ALL UTILITIES IN THE AFFECTED AREA HAVE BEEN MARKED PRIOR TO THE START OF UNDERGROUND WORK

CAUTION
CONTRACTOR TO LOCATE AND VERIFY
R.O.W, PROPERTY LINE, AND ALL EXISTING
UTILITIES PRIOR TO CONSTRUCTION

NOTE:

- POTHOLE IS 1' DIAMETER IN SIZE
- PROPOSED CONDUIT SHALL AVOID EXISTING SEEPAGE BEDS
- MAINTAIN 3' CLEARANCE FROM EXISTING CITY UTILITY STRUCTURES
- BURY AT 42" MIN. UNDER SOFT SURFACE-BURY AT 42" MIN. UNDER HARD SURFACE
- MAINTAIN 1' FROM BACK OF SIDEWALK, WHEN APPLICABLE.



MINIMUM TAPER LENGTH CHART				
SPEED (MPH)	MINIMUM TAPER LENGTH FOR WIDTH OF OFFSET 12 FT (W)			
	MERGING (FT)	SHIFTING (FT)	SHOULDER (FT)	DOWN STREAM (FT)
20	115	45	27	100
25	145	55	32	125
30	175	65	37	150
35	205	75	42	175
40	235	85	47	200
45	265	95	52	225
50	295	105	57	250
55	325	115	62	275
60	355	125	67	300
65	385	135	72	325
70	415	145	77	350
75	445	155	82	375
80	475	165	87	400
85	505	175	92	425
90	535	185	97	450
95	565	195	102	475
100	595	205	107	500

LEGEND

- CONE
- SIGN
- ARROWBOARD
- TRUCK
- SIGNAL
- WORK AREA
- FLAGGER
- PROPOSED BORE PIT
- EXISTING BORE PIT
- ARROW
- PROPOSED HANDHOLE
- EXISTING HANDHOLE
- PROPOSED ROUTE
- EXISTING ROUTE

PH NOTE: POT HOLE IS 1' DIAMETER IN SIZE

CLOSURE TYPES ARE = CURB LANE CLOSURE, SIDEWALK DETOUR, THE LANE CLOSURE IS IMPLEMENTED TO ENHANCE WORKER SAFETY BY PROVIDING SUFFICIENT BUFFER SPACE BETWEEN TRAFFIC AND CONSTRUCTION ACTIVITIES.



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CORA 4012
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REV	DATE	DESCRIPTION	BY
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C	06/13/24	100% FINAL	SD

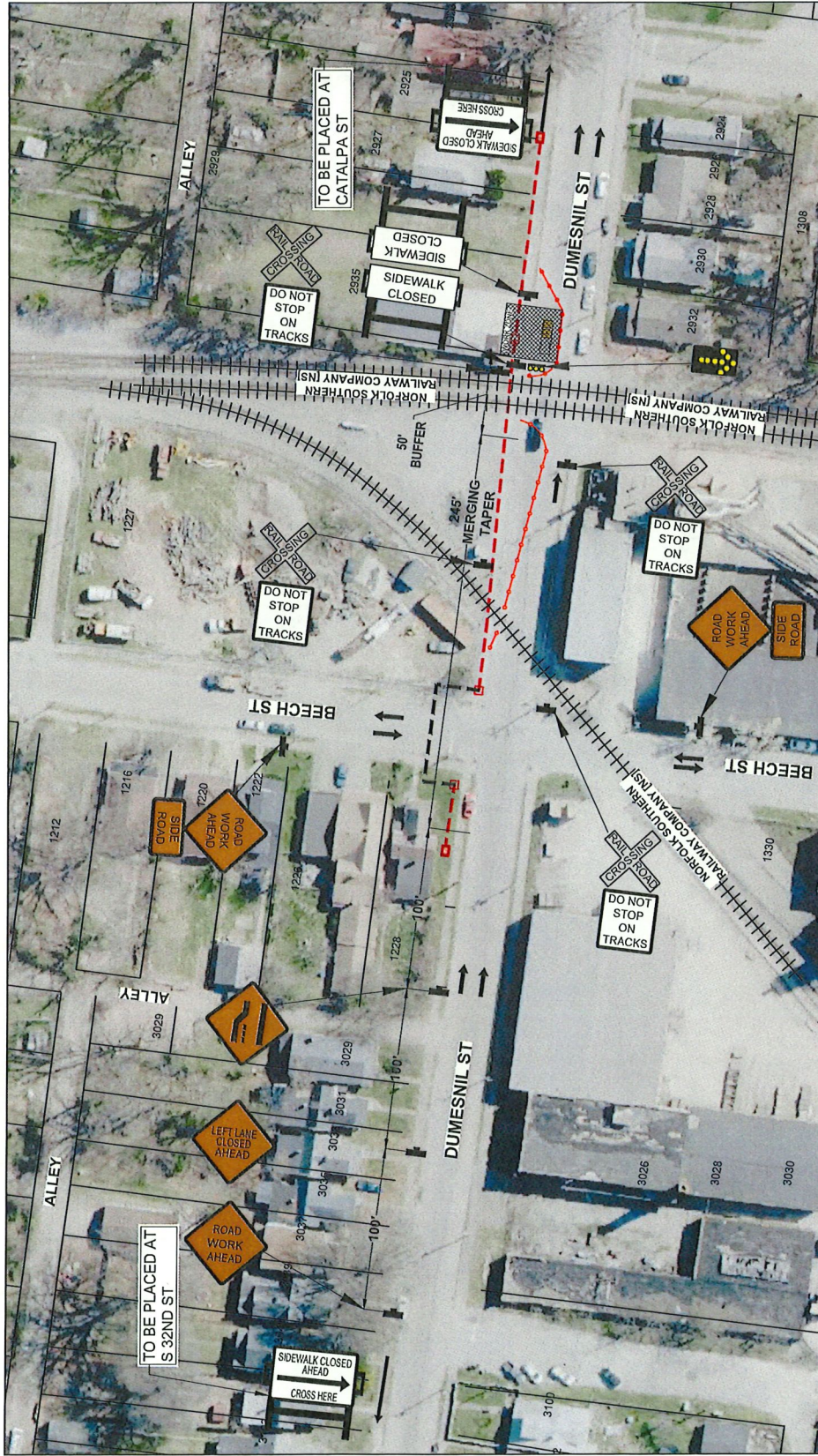
I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF ILLINOIS. I AM AWARE OF THE REQUIREMENTS OF ALL APPLICABLE CODES.

SEGMENT NAME	DUMESNIL ST
TASK DESCRIPTION	UG FIBER
PROJECT AREA	LOUISVILLE, KY JEFFERSON COUNTY
SHEET SCALE	N.T.S.
SHEET TITLE	SITE SPECIFIC TRAFFIC CONTROL PLAN
GRID NUMBER	09 OF 13
SHEET NUMBER	TCP-1

REV	DATE	DESCRIPTION	BY
A	08/11/25	90% REVIEW	RT
B	05/28/26	100% FINAL	INT
C	08/13/26	100% FINAL	SD

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SEGMENT NAME	DUMESNIL ST
TASK DESCRIPTION	UG FIBER
PROJECT AREA	LOUISVILLE, KY JEFFERSON COUNTY
SHEET SCALE	N.T.S.
SHEET TITLE	SITE SPECIFIC TRAFFIC CONTROL PLAN
GRID NUMBER	10 OF 13
SHEET NUMBER	TCP-2



CLOSURE TYPES ARE = CURB LANE CLOSURE, SIDEWALK DETOUR.

THE LANE CLOSURE IS IMPLEMENTED TO ENHANCE WORKER SAFETY BY PROVIDING SUFFICIENT BUFFER SPACE BETWEEN TRAFFIC AND CONSTRUCTION ACTIVITIES.



NOTE:
POTHOLE IS 1' DIAMETER IN SIZE

LEGEND	
	CONE
	SIGN
	ARROWBOARD
	TRAFFIC SIGN
	SIGNAL
	WORK AREA
	FLAGGER
	PROPOSED BORE PIT
	EXISTING BORE PIT
	ARROW
	PROPOSED HANDHOLE
	EXISTING HANDHOLE
	PROPOSED-ROUTE
	EXISTING ROUTE

MINIMUM TAPER LENGTH CHART					
SPEED (MPH)	MINIMUM TAPER LENGTH FOR MINIMUM OF OFFSET 12 FT (W)				DOWN STREAM (FT)
	MERGING (FT)	SHIFTING (FT)	SHOULDER (FT)		
10	100	40	27	100	
20	150	60	40	150	
30	200	80	53	200	
40	250	100	67	250	
50	300	120	80	300	
60	350	140	93	350	
70	400	160	107	400	
80	450	180	120	450	
90	500	200	133	500	
100	550	220	147	550	
110	600	240	160	600	
120	650	260	173	650	
130	700	280	187	700	
140	750	300	200	750	
150	800	320	213	800	
160	850	340	227	850	
170	900	360	240	900	
180	950	380	253	950	
190	1000	400	267	1000	
200	1050	420	280	1050	

" DISTANCES SHOWN IN FEET, THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN, THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS, THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS, (THE THIRD SIGN IS THE FIRST ONE IN A TTC ZONE), ENCOUNTERED BY A DRIVER APPROACHING A TTC ZONE).

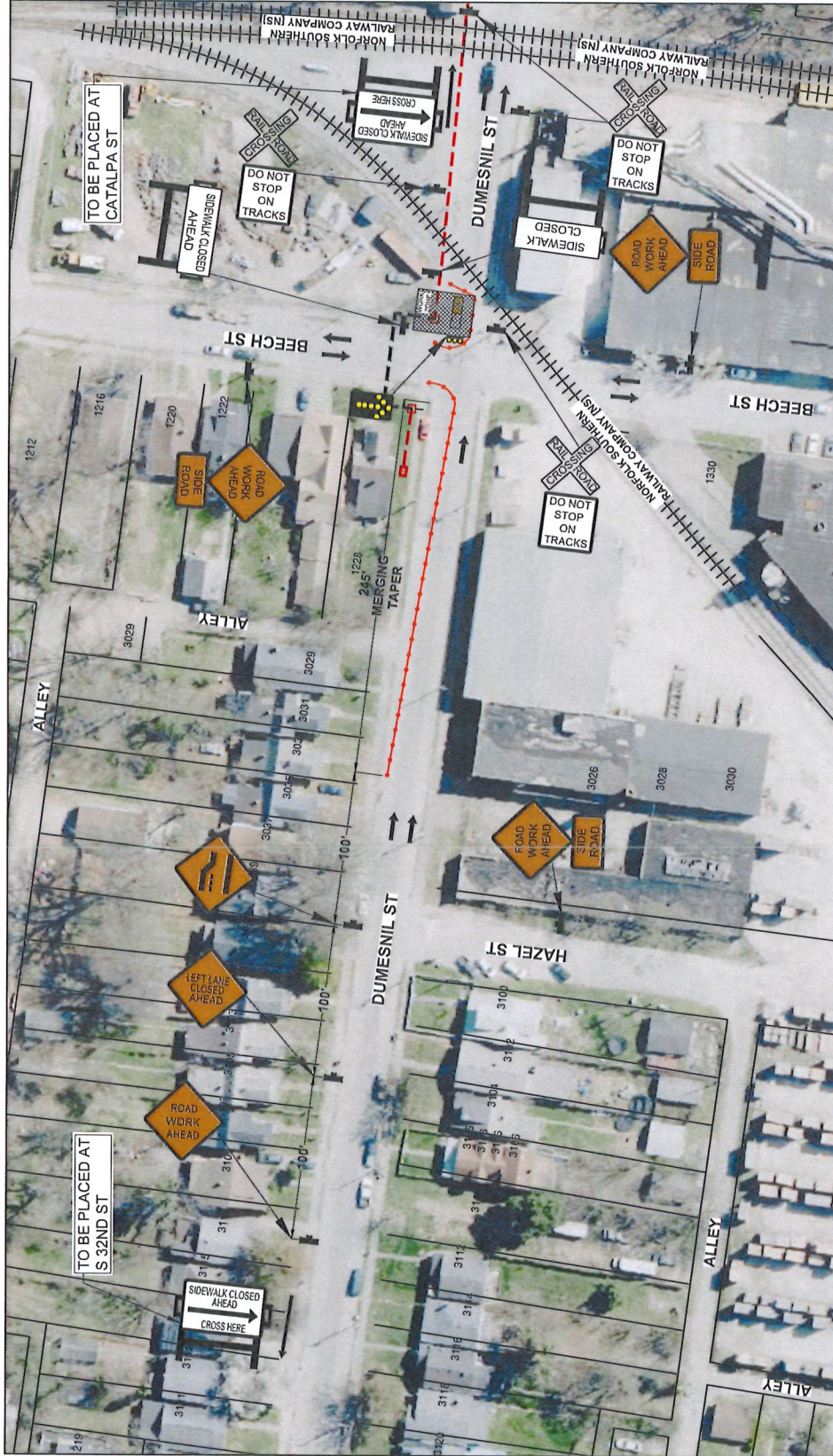


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SEGMENT NAME	DUMESNIL ST & BEECH ST
TASK DESCRIPTION	UG FIBER
PROJECT AREA	LOUISVILLE, KY JEFFERSON COUNTY
SHEET SCALE	N.T.S.
SHEET TITLE	SITE SPECIFIC TRAFFIC CONTROL PLAN
GRID NUMBER	11 OF 13
SHEET NUMBER	TCP-3



CLOSURE TYPES ARE = CURB LANE CLOSURE, SIDEWALK DETOUR.
THE LANE CLOSURE IS IMPLEMENTED TO ENHANCE WORKER SAFETY BY PROVIDING SUFFICIENT BUFFER SPACE BETWEEN TRAFFIC AND CONSTRUCTION ACTIVITIES.



NOTE:
POTHOLE IS 1' DIAMETER IN SIZE

MINIMUM TAPER LENGTH CHART			
SPEED (MPH)	MINIMUM TAPER LENGTH FOR WIDTH OF OFFSET 12 FT (W)		
	MERGING (FT)	SHOULDER SHIFTING (FT)	DOWN STREAM (FT)
20	100	50	100
25	125	62	125
30	150	75	150
35	175	87	175
40	200	100	200
45	225	112	225
50	250	125	250
55	275	137	275
60	300	150	300
65	325	162	325
70	350	175	350
75	375	187	375
80	400	200	400
85	425	212	425
90	450	225	450
95	475	237	475
100	500	250	500

LEGEND

- CONE
- SIGN
- ARROWBOARD
- TRUCK
- SIGNAL
- WORK AREA
- FLAGGER
- PROPOSED BORE PIT
- EXISTING BORE PIT
- ARROW
- PROPOSED HANDHOLE
- EXISTING HANDHOLE
- PROPOSED ROUTE
- EXISTING ROUTE

* DISTANCES SHOWN IN FEET. THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE D DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE E DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE F DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE G DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE H DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE I DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE J DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE K DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE L DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE M DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE N DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE O DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE P DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE Q DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE R DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE S DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE T DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE U DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE V DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE W DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE X DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE Y DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. THE Z DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS.



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SEGMENT NAME

DUMESNIL ST

TASK DESCRIPTION

UG FIBER

PROJECT AREA

LOUISVILLE, KY
JEFFERSON COUNTY

SHEET SCALE

N.T.S.

SHEET TITLE

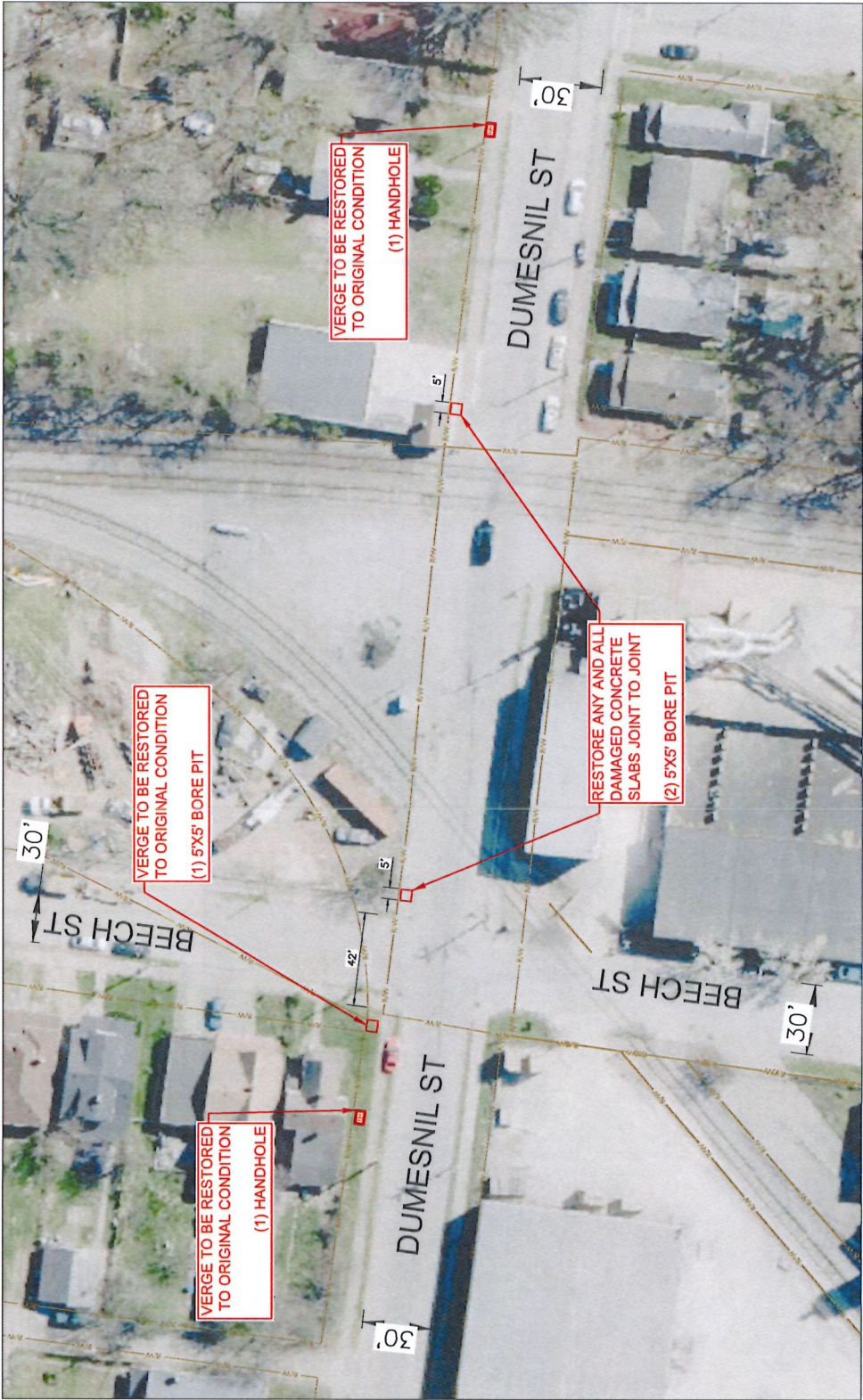
RESTORATION PLAN

GRID NUMBER

13 OF 13

SHEET NUMBER

RES-1



RR CROSSING OF DUMESNIL ST

All restoration work will be done in accordance with Metro Utility Policy.

Scope of restoration work includes the following:

- Removal of all utility markings;
- (2) HANDHOLES, (1) BORE PIT. Verge to be restored to original condition,
- (2) 5' x 5' BORE PITS. Any damaged concrete sidewalks will be replaced full slabs joint to joint.
- Remove debris as needed.
- Verge will be restored to original condition with either sod, grass seed, or seed matt and back filled if needed.
- All restoration must be completed prior to permit expiration.

CONDUIT DATA SHEET

(For Telecom and Power Conduits only, 6" in diameter or less)

	CONDUIT
NOMINAL SIZE OF PIPE	6"
MATERIAL *	HDPE
OUTSIDE DIAMETER	6.625"
INSIDE DIAMETER	5.421"
WALL THICKNESS - must be at least 0.188"	0.602"
TYPE OF COATING	N/A

* **STEEL conduits required at least 10' depth below base of rail**
HDPE conduits will be considered at least 15' depth below base of rail

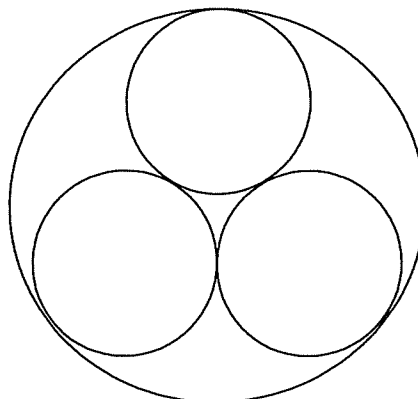
Proposed method of installation (refer to NSCE-4 Specification):

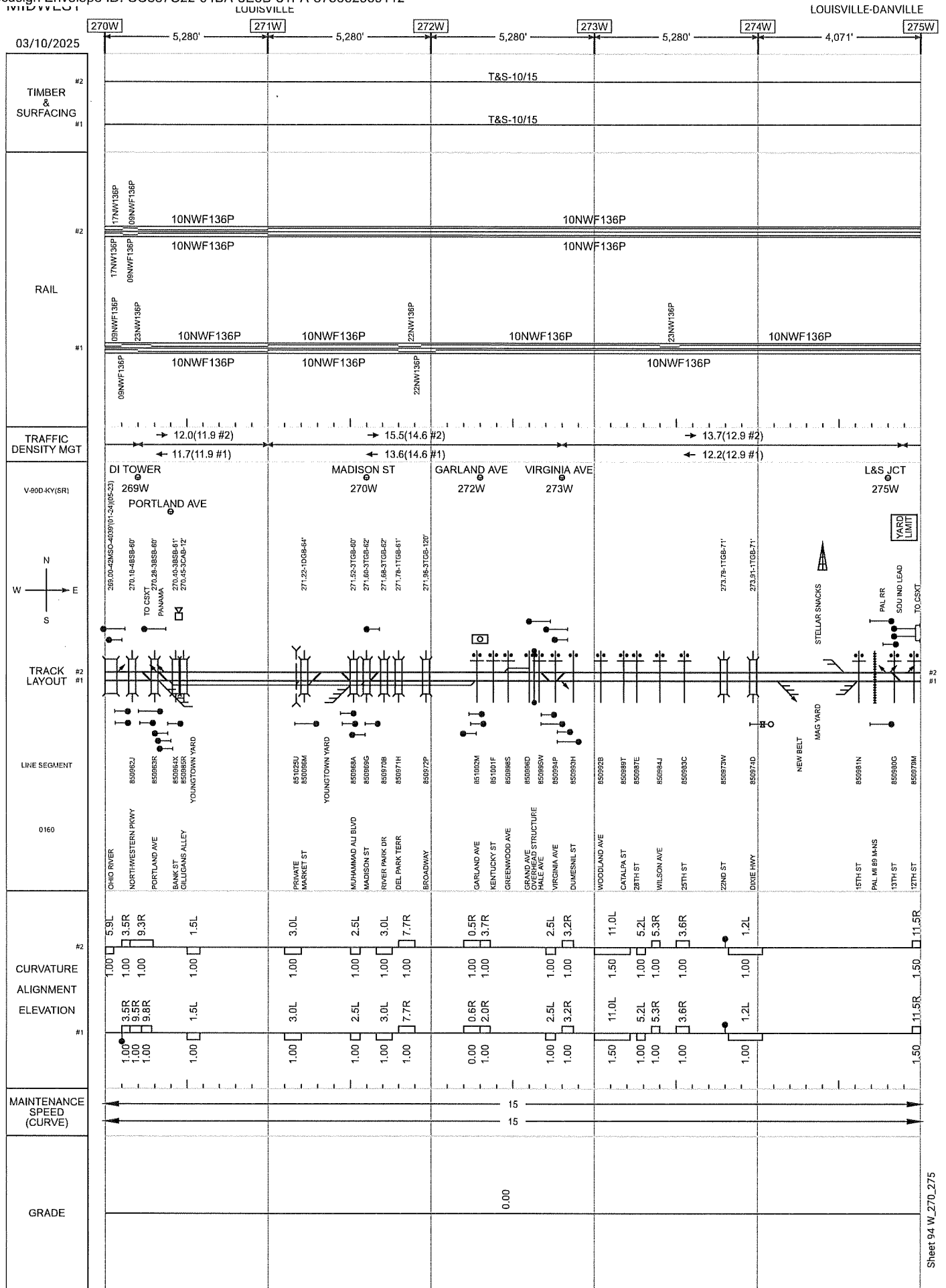
- ☐ Jack & Bore
- ☒ Directional Boring Method "A" – *must have at least 10' depth below base of rail*
- ☐ Directional Boring Method "B" – *only for casings 6 inches or less in diameter*
- ☐ Open Cut – *All installations directly under any track must be designed as a bored installation. Open cut installations will be considered on a case-by-case basis by Norfolk Southern's Division Superintendent at the time of installation.*
- ☐ Other – Please Specify: _____

MULTIPLE INNERDUCTS

NUMBER OF INNERDUCTS WITHIN CASING PIPE: (3) 1.25"; ((1) Occupied Innerduct (top) includes 48ct fiber); (2) Empty Innerducts))

- Provide a detail or cross section of the casing pipe with innerducts (see below).
- Clearly mark the type of facility that will be installed within each innerduct. If innerduct will be left spare or empty, please identify as such.





Certificate Of Completion

Envelope Id: CC587C22-04BA-8E6B-81FA-373662939112	Status: Sent
Subject: 1333821 - Jefferson County Public Schools - UG FO - Transverse Public ROW (41293)_10/19/2026 11:14:4	
Source Envelope:	
Document Pages: 20	Signatures: 0
Certificate Pages: 5	Initials: 0
AutoNav: Enabled	Envelope Originator:
EnvelopeId Stamping: Enabled	RailPros Permitting
Time Zone: (UTC-08:00) Pacific Time (US & Canada)	1320 Greenway Dr.
	Suite 490
	Irving, TX 75038
	docusign@railpros.com
	IP Address: 3.130.31.15

Record Tracking

Status: Original	Holder: RailPros Permitting	Location: DocuSign
10/19/2026 11:17:21 AM	docusign@railpros.com	

Signer Events

Signature

Timestamp

Justin Davidson (Licensee/Facility Owner)	Sent: 10/19/2026 11:17:24 AM
justin.davidson@jefferson.kyschools.us	Viewed: 10/19/2026 11:17:51 AM

Security Level: Email, Account Authentication
(None)

Electronic Record and Signature Disclosure:

Accepted: 10/19/2026 11:17:51 AM
ID: ec83b3aa-b2d0-48e0-8452-477f26cf50ec

Jamie Jordan

jamie.jordan@railpros.com

Security Level: Email, Account Authentication
(None)

Electronic Record and Signature Disclosure:

Accepted: 11/9/2020 6:20:10 AM
ID: 0a68d14b-a488-477d-8ea6-1abc9a7a0a90

Keyana Holloway

keyana.holloway@nscorp.com

Security Level: Email, Account Authentication
(None)

Electronic Record and Signature Disclosure:

Accepted: 11/9/2020 5:38:02 AM
ID: 95fda88c-ee71-44b3-806f-7614e3b7bc43

Solomon Jackson

solomon.jackson@nscorp.com

Security Level: Email, Account Authentication
(None)

Electronic Record and Signature Disclosure:

Accepted: 11/9/2020 5:27:48 AM
ID: 097fa1b6-fca4-4d11-8fd5-d5fc7c21939a

In Person Signer Events

Signature

Timestamp

Editor Delivery Events

Status

Timestamp

Agent Delivery Events

Status

Timestamp

Intermediary Delivery Events

Status

Timestamp

Certified Delivery Events

Status

Timestamp

Carbon Copy Events	Status	Timestamp
PBetzer.NS		
Peggy.Betzer@railpros.com		
Security Level: Email, Account Authentication (None)		
Electronic Record and Signature Disclosure:		
Accepted: 5/27/2026 8:07:34 AM		
ID: ea5bf4ed-a530-4f1e-8a99-c858e7ccfbc6		

Witness Events	Signature	Timestamp
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Notary Events	Signature	Timestamp
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Envelope Summary Events	Status	Timestamps
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Envelope Sent	Hashed/Encrypted	10/19/2026 11:17:24 AM
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Payment Events	Status	Timestamps
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Electronic Record and Signature Disclosure
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ELECTRONIC RECORD AND SIGNATURE DISCLOSURE

From time to time, Railpros (we, us or Company) may be required by law to provide to you certain written notices or disclosures. Described below are the terms and conditions for providing to you such notices and disclosures electronically through the DocuSign system. Please read the information below carefully and thoroughly, and if you can access this information electronically to your satisfaction and agree to this Electronic Record and Signature Disclosure (ERSD), please confirm your agreement by selecting the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

Getting paper copies

At any time, you may request from us a paper copy of any record provided or made available electronically to you by us. You will have the ability to download and print documents we send to you through the DocuSign system during and immediately after the signing session and, if you elect to create a DocuSign account, you may access the documents for a limited period of time (usually 30 days) after such documents are first sent to you. After such time, if you wish for us to send you paper copies of any such documents from our office to you, you will be charged a \$0.00 per-page fee. You may request delivery of such paper copies from us by following the procedure described below.

Withdrawing your consent

If you decide to receive notices and disclosures from us electronically, you may at any time change your mind and tell us that thereafter you want to receive required notices and disclosures only in paper format. How you must inform us of your decision to receive future notices and disclosure in paper format and withdraw your consent to receive notices and disclosures electronically is described below.

Consequences of changing your mind

If you elect to receive required notices and disclosures only in paper format, it will slow the speed at which we can complete certain steps in transactions with you and delivering services to you because we will need first to send the required notices or disclosures to you in paper format, and then wait until we receive back from you your acknowledgment of your receipt of such paper notices or disclosures. Further, you will no longer be able to use the DocuSign system to receive required notices and consents electronically from us or to sign electronically documents from us.

All notices and disclosures will be sent to you electronically

Unless you tell us otherwise in accordance with the procedures described herein, we will provide electronically to you through the DocuSign system all required notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you during the course of our relationship with you. To reduce the chance of you inadvertently not receiving any notice or disclosure, we prefer to provide all of the required notices and disclosures to you by the same method and to the same address that you have given us. Thus, you can receive all the disclosures and notices electronically or in paper format through the paper mail delivery system. If you do not agree with this process, please let us know as described below. Please also see the paragraph immediately above that describes the consequences of your electing not to receive delivery of the notices and disclosures electronically from us.

How to contact Railpros:

You may contact us to let us know of your changes as to how we may contact you electronically, to request paper copies of certain information from us, and to withdraw your prior consent to receive notices and disclosures electronically as follows:

To contact us by email send messages to: docusign@railpros.com

To advise Railpros of your new email address

To let us know of a change in your email address where we should send notices and disclosures electronically to you, you must send an email message to us at docusign@railpros.com and in the body of such request you must state: your previous email address, your new email address. We do not require any other information from you to change your email address.

If you created a DocuSign account, you may update it with your new email address through your account preferences.

To request paper copies from Railpros

To request delivery from us of paper copies of the notices and disclosures previously provided by us to you electronically, you must send us an email to casey.vorwaller@railpros.com and in the body of such request you must state your email address, full name, mailing address, and telephone number. We will bill you for any fees at that time, if any.

To withdraw your consent with Railpros

To inform us that you no longer wish to receive future notices and disclosures in electronic format you may:

- i. decline to sign a document from within your signing session, and on the subsequent page, select the check-box indicating you wish to withdraw your consent, or you may;
- ii. send us an email to docusign@railpros.com and in the body of such request you must state your email, full name, mailing address, and telephone number. We do not need any other information from you to withdraw consent.. The consequences of your withdrawing consent for online documents will be that transactions may take a longer time to process..

Required hardware and software

The minimum system requirements for using the DocuSign system may change over time. The current system requirements are found here: <https://support.docusign.com/guides/signer-guide-signing-system-requirements>.

Acknowledging your access and consent to receive and sign documents electronically

To confirm to us that you can access this information electronically, which will be similar to other electronic notices and disclosures that we will provide to you, please confirm that you have read this ERSD, and (i) that you are able to print on paper or electronically save this ERSD for your future reference and access; or (ii) that you are able to email this ERSD to an email address where you will be able to print on paper or save it for your future reference and access. Further, if you consent to receiving notices and disclosures exclusively in electronic format as described herein, then select the check-box next to 'I agree to use electronic records and signatures' before clicking 'CONTINUE' within the DocuSign system.

By selecting the check-box next to 'I agree to use electronic records and signatures', you confirm that:

- You can access and read this Electronic Record and Signature Disclosure; and
- You can print on paper this Electronic Record and Signature Disclosure, or save or send this Electronic Record and Disclosure to a location where you can print it, for future reference and access; and
- Until or unless you notify Railpros as described above, you consent to receive exclusively through electronic means all notices, disclosures, authorizations, acknowledgements, and other documents that are required to be provided or made available to you by Railpros during the course of your relationship with Railpros.

NORFOLK SOUTHERN RAILWAY COMPANY

**ACKNOWLEDGMENT FORM FOR WIRE AND/OR PIPE OCCUPATION
WITHIN THE LIMITS OF A PUBLIC RIGHT OF WAY.**

APPLICANT: BOARD OF EDUCATION OF JEFFERSON COUNTY, KENTUCKY, operating as Jefferson County Public Schools
3332 Newburg Rd
Louisville, Kentucky 40218

SUBJECT: Louisville, Jefferson County, Kentucky
Milepost 272.8-W, FAIRGROUND LEAD, Midwest Division
Latitude 38.216181, Longitude -85.817086

Norfolk Southern Activity No. 1333822

installation of one (1) underground transverse 6" HDPE casing carrying two (2) 1.25-inch HDPE conduits containing one (1) 48-count fiber optic wireline and one (1) empty for future use, wholly within the public right of way at DOT Crossing #851037N (collectively, the "Facilities")

In response to Applicant's submittal dated November 03, 2025, regarding the proposed construction of the subject project, Norfolk Southern Railway Company ("Railway") does not object to the installation of the Facilities as shown on the attached Drawing marked Exhibit "A", dated April 05, 2026, provided Applicant adheres to the following terms and conditions:

- The Facilities shall be installed, constructed, maintained, repaired, operated and removed by and at the sole risk, cost and expense of the Applicant, (collectively, "Operate" or "Operations").
- The Facilities must conform with all Federal, State and local laws, rules and regulations and will not be attached to any railroad structure or appurtenance and will not be located on any private property of Railway.
- The design and construction of aerial Facilities shall comply with Railway's NSCE-4 Specification, latest edition, and underground Facilities shall comply with Railway's NSCE-8 Specification, latest edition.
- Insurance

(a) Insurance Requirements. Without limiting in any manner the liability and obligations assumed by Applicant under any other provision of this Agreement, and as additional protection to Railway, Applicant shall comply with the following provisions:

(i) Subject to subsection (ii) below, upon execution of this Agreement, Applicant shall pay Railway a risk financing fee of \$1,950 (the "Risk Financing Fee") to provide Railroad Protective Liability Insurance or such supplemental insurance (which may be self-insurance) as Railway, in its sole but reasonable discretion, deems to be necessary or appropriate with respect to the initial construction and installation of the Facilities.

(ii) Prior to commencement of each Operations project that requires access to the Premises, unless Applicant pays the then-current Risk Financing Fee for a given Operations project, Applicant shall furnish Railway with an original Railroad Protective Liability ("RPL") Insurance Policy naming Railway as the named insured and having a limit of (1) not less than a combined single limit of \$2,000,000 each occurrence and \$6,000,000 aggregate, or (2) if the value of a given operations project exceeds \$500,000, not less than a combined single limit of \$5,000,000 per occurrence and \$10,000,000 in the aggregate. Each RPL policy shall conform to CG 00 35 04 13 or equivalent and include coverage for Terrorism and the Physical Damage to Property Endorsement and shall name Norfolk Southern Corporation and its affiliates and subsidiaries as the insured. Applicant shall ensure that the project location, Applicant identification and work description appear on the declaration pages of a given RPL policy. Applicant shall provide an electronic copy of each RPL policy (and not merely the binder) to Railway at ns.permitting@railpros.com for review and approval prior to commencing any work on the

associated Operations project. Applicant may submit inquiries about RPL issues at ns.permitting@railpros.com.

(iii) Applicant shall maintain a Commercial General Liability ("CGL") policy containing products and completed operations and contractual liability coverage, with a combined single limit of not less than \$2,000,000 for each occurrence. Any portion of this requirement may be satisfied by a combination of General Liability and/or Excess/Umbrella Liability Coverage. The policy shall not deny any obligation of any insured under the Federal Employer's Liability Act, as amended. The CGL policy shall provide additional insured coverage equivalent to ISO CG 20 10 11/85.

(iv) Applicant shall maintain Automobile Liability Insurance with a current ISO occurrence form policy (or equivalent) and apply on an "any.auto" (Symbol 1) basis, including coverage for all vehicles used in connection with the Work or Services on the subject property, providing annual limits of at least \$1,000,000 per occurrence for bodily injury and property damage combined including uninsured and underinsured motorist coverage, medical payment protection, and loading and unloading.

(v) Applicant shall maintain Workers' Compensation Insurance to meet fully the requirement of any compensation act, plan or legislative enactment applicable in connection with the death, disability or injury of Applicant's officers, agents, servants or employees arising directly or indirectly out of the performance of this Agreement;

(vi) Applicant shall maintain Employers' Liability Insurance with limits of not less than \$1,000,000 each accident \$1,000,000 policy limit for disease, and \$1,000,000 each employee for disease;

(b) General Insurance Requirements. Each insurance policy referred to in subsection (a) above shall also comply with the following requirements:

(i) Additional Insureds. Each insurance policy (excluding any RPL policy and Workers' Compensation policy) shall name Railway and its parent, subsidiary and affiliated companies as additional insureds with an appropriate endorsement to each policy.

(ii) Applicant's Coverage Primary and Without Right to Contribution. All policies secured by Applicant, whether primary, excess, umbrella or otherwise, and providing coverage to the Railway as an additional insured (i) are intended to take priority in responding and to pay (only if the applicable insurer agrees to pay) before any insurance policies Railway may have secured for itself must respond or pay and (ii) may not seek contribution from any policies the Railway may have secured only for itself.

(iii) Severability of Interests (Cross Liability). No cross-liability exclusions are permitted that would apply to the additional insureds, and there may not be any restrictions in any policy that limits coverage for a claim brought by an additional insured against a named insured.

(iv) Waiver of Subrogation. To the fullest extent permitted by applicable law, all insurance furnished by Applicant pursuant to this Agreement shall include a waiver of subrogation in favor of Railway with an appropriate endorsement to each policy.

(v) Notice of Cancellation, Modification or Termination. Each insurance policy shall not be subject to cancellation, termination, modification, changed, or non-renewed except upon thirty (30) days prior written notice to the additional insureds.

(vi) No Limitation. Each insurance policy shall not limit any of Applicant's indemnity obligations or other liabilities under this Agreement. The insurance available to Railway and its parent, subsidiary and affiliated companies as additional insureds shall not be limited by these requirements should Applicant maintain higher coverage limits.

(vii) Any deductibles or self-insured retentions of Applicant over \$50,000 must be declared and approved by Railway. Approval of such requests shall not be unreasonably withheld.

(viii) Applicant shall require its contractors who are not covered by the insurance carried by Applicant to maintain the insurance coverages set forth in subsection (a) above, except for the RPL insurance, including but not limited to additional insured status for Railway and its parent, subsidiary and affiliated companies.

(ix) Applicant shall furnish their memorandum of insurance and the RPL Insurance Policy (unless Applicant has paid the Risk Financing Fee) to Railway's Managing Agent prior to execution of this Agreement at ns.permitting@railpros.com. The insurance coverage required herein shall in no way limit Applicant's liability under this Agreement.

- Railway shall, at Railway's option, furnish, at the sole expense of Applicant, Support Services. The term "Support Services" means such materials and services as necessary, in Railway's sole judgment, to support Railway's tracks and to protect Railway's traffic, including without limitation flagging services and construction monitoring during the installation, maintenance, repair, renewal or removal of the Facilities. Support Services shall be provided unless Railway's Division Engineer or his or her authorized representative provides to Applicant a written waiver of Support Services, whether in whole or in any part, in a given instance. The term "Construction Monitoring" means services comprised of one or more Railway representatives being assigned and present to monitor construction activities of Applicant, which may include a preconstruction site assessment and a post-construction site assessment.
- Prior to commencement of any work to be performed on or about Premises, Applicant shall notify the appropriate Division Engineer or their authorized representative for the scheduling of "Support Services". Within seventy-two (72) hours after the Division Engineer's or their authorized representative's actual receipt of such notification, they shall review the necessity and availability of Support Services for the proposed work and advise Applicant of such matters and the estimated cost therefor. No work shall be permitted on or about the Premises without the presence of Railway's Support Services or the Division Engineer's waiver of the requirement for Support Services. Entry on or about the Premises or any other Railway right-of-way without the Division Engineer's prior approval shall be deemed trespassing. Applicant, to the extent permitted by applicable law, agrees to pay Railway, within thirty (30) days after delivery of an invoice therefor, for any protection and inspection costs incurred by Railway, in Railway's sole judgment, during any such entry.
- In the event it becomes necessary for Applicant to deviate from the approved plans and specifications, Applicant shall seek prior approval from Railway's Division Engineer or his or her authorized representative and, when applicable, an authorized representative of the Division Engineer in the field during Construction Monitoring or inspection.
- All cost or expense resulting from any and all loss of life or property, or injury or damage to the person or property of any person, firm or corporation (including the parties hereto and their respective officers, agents and employees) and any and all claims, demands or actions for such loss, injury or damage, caused by or growing out of the presence or use, or the construction, maintenance, renewal, change or relocation and subsequent removal of the Facilities and appurtenances herein referred to shall, to the extent permitted by law, be borne by Applicant unless caused solely by the negligence or willful misconduct of Railway.
- Upon abandonment of the Facilities by Applicant, Applicant shall seek direction from Railway's Chief Engineer, or his representative, regarding the method of abandonment if the Facilities will be abandoned in place.
- In the event the Facilities consist of electrical power or communication wires and appurtenances, Applicant shall promptly remedy any inductive interference growing out of, or resulting from the presence of, the Facilities.
- In the event the Facilities consist of an underground occupation, Applicant will be responsible for any

settlement caused to the roadbed, right of way and/or tracks, facilities and appurtenances of Railway arising from or as a result of the installation of the Facilities, and to the extent permitted by applicable law, Applicant shall pay to Railway on demand the full cost and expense.

- All rights and obligations conferred hereby shall extend to the successors and assigns of the parties hereto, provided that the Applicant shall in no event transfer or assign its rights hereunder without the written consent of Railway, which will not be unreasonably withheld.
- If the public road is abandoned by the appropriate governmental authority and the Facilities remain within the limits of Railway's right of way after such abandonment, as a condition for the continuing presence of the Facilities within Railway's right of way, Railway and Applicant shall agree upon an appropriate occupancy fee or rental for the Facilities and execute an amendment to this Agreement within ninety (90) days after the date upon which such public road is abandoned.
- Any and all notices, demands or requests by or from Railway to Applicant, or Applicant to Railway, shall be in writing and shall be sent by (a) postage paid, certified mail, return receipt requested, or (b) a reputable national overnight courier service with receipt therefor, or (c) personal delivery, and addressed in each case as follows:

If to Railway: c/o Norfolk Southern Corporation
650 West Peachtree St. Box 22
Atlanta, Georgia 30308
Attention: Director Real Estate

If to Applicant: JEFFERSON COUNTY PUBLIC SCHOOLS
3332 Newburg Rd
Louisville, Kentucky 40218
Attention: Edward Muns

Either party may, by notice in writing, direct that future notices or demands be sent to a different address. All notices hereunder shall be deemed given upon receipt (or, if rejected, upon rejection).

ACCEPTED BY:

NORFOLK SOUTHERN RAILWAY COMPANY

Real Estate Manager

DATE _____

BOARD OF EDUCATION OF JEFFERSON COUNTY, KENTUCKY, operating as
Jefferson County Public Schools

Title Superintendent Jefferson County Public Schools

Activity Number: 1333822
06/04/2026 PJB

110095570v2



September 09, 2026

Justin Davidson
JEFFERSON COUNTY PUBLIC SCHOOLS DBA Jefferson County Public Schools
3001 Crittenden Drive, Bldg 6
Louisville, Kentucky, 40209

RE: Proposed overhead transverse installation of one (1) 12ct FOC onto existing 3/8" support strand crossing under a bridge, wholly within the public ROW at DOT Crossing #850975K

LOUISVILLE Division, at Mile Post 275.4-W
Louisville, Jefferson, Kentucky
Latitude 38.2236, Longitude -85.771893
NS Activity No. 1337221

Dear Justin Davidson:

RailPros, as consultant for Norfolk Southern Railway Company ("Railway"), has reviewed the above-referenced request. Based on the information and documentation presented, Railway has no objections to the proposed work.

Attached you will find the requested offer of agreement for execution, by an official authorized to execute contract agreements on behalf of the Licensee. Please have the agreement executed via DocuSign. Note, however, that the attached offer of agreement does not constitute a binding contract, unless or until it is executed by both the Licensee and Railway.

In order for Railway to countersign the document, the following items are needed for review:

1. **Payment of the Protection Services Coordination Fee** in the amount of \$700.00;
2. **A Certificate of Insurance** as required in the agreement, is to be submitted within the Application System.
3. The submission of the **Risk Management Fee** of \$1,950.00 adds the specific project/activity to the Norfolk Southern Master Railroad Protective insurance policy, and as such no further railroad protective liability insurance coverage is necessary or requested.

NOTE: No work shall be permitted on or about the Railway's property until the agreement becomes binding, and the Division Engineer or their authorized representative has reviewed and approved field services for the project, such as *flagging protection, construction monitoring, and post-construction inspection services*. Once the above items are received, the fully executed agreement will be sent, along with the name and contact information for field service coordination.

If we have not received the executed agreement and corresponding payments and/or documents within sixty (60) days from the date of this letter, we reserve the right to cancel this request.

If you have any questions, please contact me within the messages tab of the application portal or by calling the number listed below.

Sincerely,

Peggy Betzer
Real Estate Manager

11819 Miracle Hills Dr. Ste, 102
Omaha, NE 68164

P: (402) 965-0539 F: (866) 762 - 7619

www.railpros.com

NORFOLK SOUTHERN RAILWAY COMPANY

**ACKNOWLEDGMENT FORM FOR WIRE AND/OR PIPE OCCUPATION
WITHIN THE LIMITS OF A PUBLIC RIGHT OF WAY.**

APPLICANT: JEFFERSON COUNTY PUBLIC SCHOOLS DBA JEFFERSON COUNTY PUBLIC SCHOOLS
3001 Crittenden Drive, Bldg 6
Louisville, Kentucky 40209

SUBJECT: Louisville, Jefferson County, Kentucky
Milepost 275.4-W, LN CONN TRK , LOUISVILLE Division
Latitude 38.2236, Longitude -85.771893

Norfolk Southern Activity No. 1337221

Proposed overhead transverse installation of one (1) 12ct FOC onto existing 3/8" support strand crossing under a bridge, wholly within the public ROW at DOT Crossing #850975K (collectively, the "Facilities")

In response to Applicant's submittal dated April 07, 2026, regarding the proposed construction of the subject project, Norfolk Southern Railway Company ("Railway") does not object to the installation of the Facilities as shown on the attached Drawing marked Exhibit "A", dated August 12, 2026, provided Applicant adheres to the following terms and conditions:

- The Facilities shall be installed, constructed, maintained, repaired, operated and removed by and at the sole risk, cost and expense of the Applicant, (collectively, "Operate" or "Operations").
- The Facilities must conform with all Federal, State and local laws, rules and regulations and will not be attached to any railroad structure or appurtenance and will not be located on any private property of Railway.
- The design and construction of aerial Facilities shall comply with Railway's NSCE-4 Specification, latest edition, and underground Facilities shall comply with Railway's NSCE-8 Specification, latest edition.
- Insurance

(a) Insurance Requirements. Without limiting in any manner the liability and obligations assumed by Applicant under any other provision of this Agreement, and as additional protection to Railway, Applicant shall comply with the following provisions:

(i) Subject to subsection (ii) below, upon execution of this Agreement, Applicant shall pay Railway a risk financing fee of \$1,950 (the "Risk Financing Fee") to provide Railroad Protective Liability Insurance or such supplemental insurance (which may be self-insurance) as Railway, in its sole discretion, deems to be necessary or appropriate with respect to the initial construction and installation of the Facilities.

(ii) Prior to commencement of each Operations project that requires access to the Premises, unless Railway elects to make available and Applicant pays the then-current Risk Financing Fee for a given Operations project, Applicant shall furnish Railway with an original Railroad Protective Liability ("RPL") Insurance Policy naming Railway as the named insured and having a limit of (1) not less than a combined single limit of \$2,000,000 each occurrence and \$6,000,000 aggregate, or (2) if the value of a given operations project exceeds \$500,000, not less than a combined single limit of \$5,000,000 per occurrence and \$10,000,000 in the aggregate. Each RPL policy shall conform to CG 00 35 04 13 or equivalent and include coverage for Terrorism and the Physical Damage to Property Endorsement and shall name Norfolk Southern Corporation and its affiliates and subsidiaries as the insured. Applicant shall ensure that the project location, Applicant identification and work description appear on the declaration pages of a given RPL policy. Applicant shall provide an electronic copy of each RPL policy (and not merely the binder) to Railway at ns.permitting@railpros.com for review and approval prior to commencing any work on the associated Operations project. Applicant may submit inquiries about RPL issues at ns.permitting@railpros.com.

(iii) Applicant shall maintain a Commercial General Liability ("CGL") policy containing products and completed operations and contractual liability coverage, with a combined single limit of not less than \$2,000,000 for each occurrence. Any portion of this requirement may be satisfied by a combination of General Liability and/or Excess/Umbrella Liability Coverage. The policy shall not deny any obligation of any insured under the Federal Employer's Liability Act, as amended. The CGL policy shall provide additional insured coverage equivalent to ISO CG 20 10 11/85.

(iv) Applicant shall maintain Automobile Liability Insurance with a current ISO occurrence form policy (or equivalent) and apply on an "any auto" (Symbol 1) basis, including coverage for all vehicles used in connection with the Work or Services on the leased property, providing annual limits of at least \$1,000,000 per occurrence for bodily injury and property damage combined including uninsured and underinsured motorist coverage, medical payment protection, and loading and unloading.

(v) Applicant shall maintain Workers' Compensation Insurance to meet fully the requirement of any compensation act, plan or legislative enactment applicable in connection with the death, disability or injury of Applicant's officers, agents, servants or employees arising directly or indirectly out of the performance of this Agreement;

(vi) Applicant shall maintain Employers' Liability Insurance with limits of not less than \$1,000,000 each accident \$1,000,000 policy limit for disease, and \$1,000,000 each employee for disease;

(b) General Insurance Requirements. Each insurance policy referred to in subsection (a) above shall also comply with the following requirements:

(i) Additional Insureds. Each insurance policy (excluding any RPL policy and Workers' Compensation policy) shall name Railway and its parent, subsidiary and affiliated companies as additional insureds with an appropriate endorsement to each policy.

(ii) Applicant's Coverage Primary and Without Right to Contribution. All policies secured by Applicant, whether primary, excess, umbrella or otherwise, and providing coverage to the Railway as an additional insured (i) are intended to take priority in responding and to pay before any insurance policies Railway may have secured for itself must respond or pay and (ii) may not seek contribution from any policies the Railway may have secured for itself.

(iii) Severability of Interests (Cross Liability). No cross-liability exclusions are permitted that would apply to the additional insureds, and there may not be any restrictions in any policy that limits coverage for a claim brought by an additional insured against a named insured.

(iv) Waiver of Subrogation. To the fullest extent permitted by law, all insurance furnished by Applicant pursuant to this Agreement shall include a waiver of subrogation in favor of Railway with an appropriate endorsement to each policy.

(v) Notice of Cancellation, Modification or Termination. Each insurance policy shall not be subject to cancellation, termination, modification, changed, or non-renewed except upon thirty (30) days prior written notice to the additional insureds.

(vi) No Limitation. Each insurance policy shall not limit any of Applicant's indemnity obligations or other liabilities under this Agreement. The insurance available to Railway and its parent, subsidiary and affiliated companies as additional insureds shall not be limited by these requirements should Applicant maintain higher coverage limits.

(vii) Any deductibles or self-insured retentions of Applicant over \$50,000 must be declared and approved by Railway. Approval of such requests shall not be unreasonably withheld.

(viii) Applicant shall require all subcontractors who are not covered by the insurance carried by Applicant to maintain the insurance coverages set forth in subsection (a) above, except

for the RPL insurance, including but not limited to additional insured status for Railway and its parent, subsidiary and affiliated companies.

(ix) Applicant shall furnish their memorandum of insurance and the RPL Insurance Policy to Railway's Managing Agent prior to execution of this Agreement at ns.permitting@railpros.com. The insurance coverage required herein shall in no way limit Applicant's liability under this Agreement.

- Railway shall, at Railway's option, furnish, at the sole expense of Applicant, Support Services. The term "Support Services" means such materials and services as necessary, in Railway's sole judgment, to support Railway's tracks and to protect Railway's traffic, including without limitation flagging services and construction monitoring during the installation, maintenance, repair, renewal or removal of the Facilities. Support Services shall be provided unless Railway's Division Engineer or his or her authorized representative provides to Applicant a written waiver of Support Services, whether in whole or in any part, in a given instance. The term "Construction Monitoring" means services comprised of one or more Railway representatives being assigned and present to monitor construction activities of Applicant, which may include a preconstruction site assessment and a post-construction site assessment.
- Prior to commencement of any work to be performed on or about Premises, Applicant shall notify the appropriate Division Engineer or their authorized representative for the scheduling of "Support Services". Within seventy-two (72) hours after the Division Engineer's or their authorized representative's actual receipt of such notification, they shall review the necessity and availability of Support Services for the proposed work and advise Applicant of such matters and the estimated cost therefor. No work shall be permitted on or about the Premises without the presence of Railway's Support Services or the Division Engineer's waiver of the requirement for Support Services. Entry on or about the Premises or any other Railway right-of-way without the Division Engineer's prior approval shall be deemed trespassing. Applicant agrees to pay Railway, within thirty (30) days after delivery of an invoice therefor, for any protection and inspection costs incurred by Railway, in Railway's sole judgment, during any such entry.
- In the event it becomes necessary for Applicant to deviate from the approved plans and specifications, Applicant shall seek prior approval from Railway's Division Engineer or his or her authorized representative and, when applicable, an authorized representative of the Division Engineer in the field during Construction Monitoring or inspection.
- All cost or expense resulting from any and all loss of life or property, or injury or damage to the person or property of any person, firm or corporation (including the parties hereto and their respective officers, agents and employees) and any and all claims, demands or actions for such loss, injury or damage, caused by or growing out of the presence or use, or the construction, maintenance, renewal, change or relocation and subsequent removal of the Facilities and appurtenances herein referred to shall be borne by Applicant unless caused solely by the negligence or willful misconduct of Railway.
- Upon abandonment of the Facilities by Applicant, Applicant shall seek direction from Railway's Chief Engineer, or his representative, regarding the method of abandonment if the Facilities will be abandoned in place.
- In the event the Facilities consist of electrical power or communication wires and appurtenances, Applicant shall promptly remedy any inductive interference growing out of, or resulting from the presence of, the Facilities.
- In the event the Facilities consist of an underground occupation, Applicant will be responsible for any settlement caused to the roadbed, right of way and/or tracks, facilities and appurtenances of Railway arising from or as a result of the installation of the Facilities, and Applicant shall pay to Railway on demand the full cost and expense.
- All rights and obligations conferred hereby shall extend to the successors and assigns of the parties hereto, provided that the Applicant shall in no event transfer or assign its rights hereunder without the written consent of Railway, which will not be unreasonably withheld.

- If the public road is abandoned by the appropriate governmental authority and the Facilities remain within the limits of Railway's right of way after such abandonment, as a condition for the continuing presence of the Facilities within Railway's right of way, Railway and Applicant shall agree upon an appropriate occupancy fee or rental for the Facilities and execute an amendment to this Agreement within ninety (90) days after the date upon which such public road is abandoned.
- Any and all notices, demands or requests by or from Railway to Applicant, or Applicant to Railway, shall be in writing and shall be sent by (a) postage paid, certified mail, return receipt requested, or (b) a reputable national overnight courier service with receipt therefor, or (c) personal delivery, and addressed in each case as follows:

If to Railway: c/o Norfolk Southern Corporation
650 West Peachtree St. Box 22
Atlanta, Georgia 30308
Attention: Director Real Estate

If to Applicant: JEFFERSON COUNTY PUBLIC SCHOOLS
3001 Crittenden Drive, Bldg 6
Louisville, Kentucky 40209
Attention: Justin Davidson

Either party may, by notice in writing, direct that future notices or demands be sent to a different address. All notices hereunder shall be deemed given upon receipt (or, if rejected, upon rejection).

ACCEPTED BY:

NORFOLK SOUTHERN RAILWAY COMPANY

Real Estate Manager

DATE _____

JEFFERSON COUNTY PUBLIC SCHOOLS DBA JEFFERSON COUNTY PUBLIC SCHOOLS

Title Superintendent Jefferson County Public Schools

DATE _____

Activity Number: 1337221
09/09/2026 PJB

EXHIBIT A

10 Pages

Norfolk Southern Railway Company

Accompanying Agreement With

Jefferson County Public Schools DBA Jefferson County

Public Schools

Activity No.: 1337221 E.S.: 25-45
Division: LOUISVILLE Mile Post: 275.4-W
Val Sec: 90 Map No.: 1
City: Louisville County: Jefferson
State: Kentucky
Lat: 38.2236 Long: -85.771893

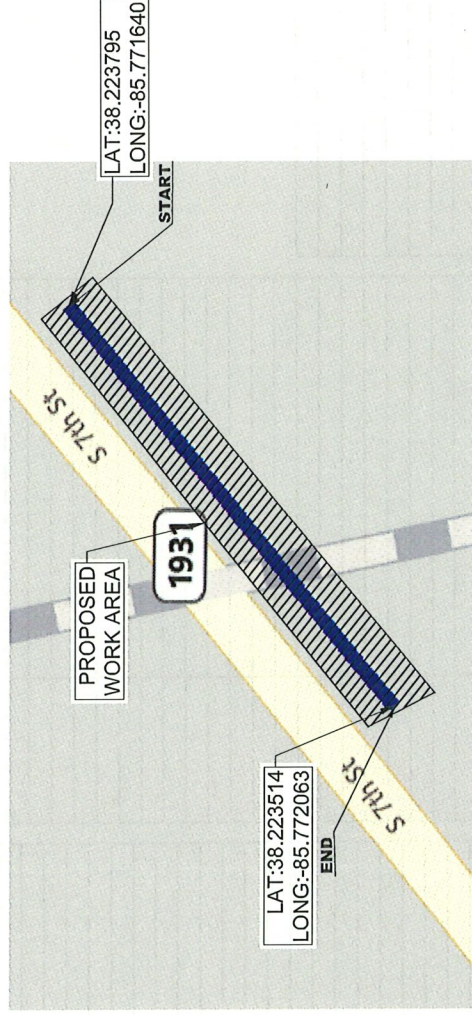
All work to be performed in accordance
with the latest approved Norfolk Southern
NSCE-4 and NSCE-8 Specifications

BLASTING NOT PERMITTED

DATED 08/12/2028



Fullerton
DESIGN DEVELOP CONSTRUCT
1100 E WOODFIELD ROAD, SUITE 500
SCHLAUBURG, ILLINOIS 60173
TEL: 847.988-8400
www.fullerton-us.com



LOCATION MAP

CONTACT	PROJECT DESCRIPTION	APPLICABLE CODES	ENGINEERING BILL OF MATERIALS
OWNER: VERO NETWORKS ALEX ARISTIZABAL AARISTIZABAL@VERONETWORKS.COM 784-670-4161 CONSULTANT: FULLERTON ENGINEERING CONSULTANTS, LLC MICHELLE KAMINSKI 1100 WOODFIELD RD, SUITE 500 SCHLAUBURG, ILLINOIS 60173 MKAMINSKI@FULLERTONUS.COM 781-6-262-5967	<ul style="list-style-type: none">INSTALLATION OF NEW FIBER OPTIC CABLE OVERLASHED ON EXISTING JCPS AERIAL FIBER.	<p>ALL WORK AND MATERIALS SHALL BE PERFORMED AND INSTALLED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE FOLLOWING CODES AS ADOPTED BY THE LOCAL GOVERNING AUTHORITIES.</p> <p>ELECTRICAL CODE: 2012 NATIONAL ELECTRIC SAFETY CODE</p>	<p>ITEM DESCRIPTION</p> <ul style="list-style-type: none">139' OF T.B.D COUNT ARMORED SMF-28 FIBER <p>TITLE SHEET</p> <p>01 OF 10</p> <p>T-1</p>

REV	DATE	DESCRIPTION	BY
A	07/09/28	90% REVIEW	SD

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND TO THE BEST OF MY KNOWLEDGE AND BELIEF THEY COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES.

SEGMENT NAME

VERO-LOUISVILLE-KY

TASK DESCRIPTION

S 7TH ST

PROJECT AREA

LOUISVILLE, KY
JEFFERSON COUNTY

SHEET SCALE

N.T.S.

SHEET TITLE

TITLE SHEET

GRID NUMBER

01 OF 10

SHEET NUMBER

T-1

PROJECT#

PLAN SET

REV	DATE	DESCRIPTION	BY
A	07/09/26	90% REVIEW	SD

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES.

SEGMENT NAME
S 7TH ST

TASK DESCRIPTION
AERIAL OVERLASH FIBER

PROJECT AREA
LOUISVILLE, KY
JEFFERSON COUNTY
SHEET SCALE

SHEET TITLE

GENERAL NOTES
GRID NUMBER

SHEET NUMBER 04 OF 10

GN-1

PROJECT#

19. THE CONTRACTOR SHALL PROVIDE ALL MATERIAL, EQUIPMENT, LABOR, INSTALLATION, RESTORATION, UTILITY RELOCATION CHARGES, JOB SITE DELIVERY COSTS AND INCIDENTALS TO COMPLETE THE DESCRIBED OR ILLUSTRATED WORK UNDER THIS CONTRACT.

20. ANY CHANGE-ORDER REQUEST MUST BE PRESENTED IN WRITING TO THE OWNER'S REPRESENTATIVE AND APPROVED PRIOR TO PROCEEDING WITH THE REQUESTED CHANGE.

21. THE ENGINEER WILL NOT BE RESPONSIBLE FOR THE REQUIRED CHANGE. THE ENGINEER WILL NOT BE RESPONSIBLE FOR ANY LIABILITY FOR NEGLIGENT ACTS OR ERRORS OR OMISSIONS OF THE ENGINEER OR ANY OF THE PERSONS (EXCEPT THE ENGINEER'S OWN EMPLOYEES) AT THE PROJECT SITE OR OTHERWISE RESPONSIBLE FOR HIS OWN SAFETY. THE ENGINEER SHALL BE RESPONSIBLE FOR THE SAFETY OF THE ENGINEER, THE PRESENCE OF THE ENGINEER OR HIS OR HER EMPLOYEES AND SUB-CONSULTANTS ACTIVITIES OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR HIS OR HER EMPLOYEES AND SUB-CONSULTANTS AT THE PROJECT SITE. SHALL RELIEVE ANY CONTRACTOR OF HIS OR HER OBLIGATIONS, DUTIES AND RESPONSIBILITIES FOR PERFORMING LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES OR PROCEDURES NECESSARY FOR PERFORMING SUPERINTENDING OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE ENGINEER AND HIS OR HER PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER

2. ALL MATERIALS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL BE IN CONFORMANCE WITH STANDARD RECOMMENDATIONS OF THE NATIONAL ELECTRIC MANUFACTURER'S ASSOCIATION (NEMA) AND THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI).

13. THE CONTRACTOR SHALL OBTAIN ALL PERMITS AND COMPLY WITH THE REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTION OVER THE WORK AND SHALL COORDINATE HIS WORK WITH THE WORK PERFORMED BY OTHERS FOR THE PURPOSE OF INSTALLATION. THIS INCLUDES, BUT IS NOT LIMITED TO, ALL WORK WITH ALL PUBLIC AND PRIVATE UTILITIES AS WELL AS CITY AND STATE AGENCIES.

4. CONTRACTOR SHALL RECORD THE LOCATION AND ELEVATION OF ALL UTILITIES ENCOUNTERED, AND INSTALLATION OF NEW WORK, AS THE WORK PROGRESSES AND SHALL PREPARE RECORD DRAWINGS (RED-LINES) BASED ON HIS RECORDS. AS A PART OF THE RECORD DRAWINGS, CONTRACTOR SHALL ALSO PROVIDE HORIZONTAL AND VERTICAL CONFIGURATION OF CONDUITS WHERE MULTIPLE CONDUITS ARE INSTALLED. THESE RECORDS ARE TO BE SUPPLIED TO FULLERTON ENGINEERING AT COMPLETION OF WORK.

5. MAINTAIN MINIMUM OF 10 FEET HORIZONTAL SEPARATION FOR ALL CITY WATERMAIN AND 3 FEET MINIMUM HORIZONTAL SEPARATION FOR ALL OTHER CITY UTILITIES AND STRUCTURES

6. NO STORAGE OF EQUIPMENT OR MATERIALS IN THE ROADWAY IS PERMITTED UNLESS THE CONTRACTOR OBTAINS WRITTEN PERMISSION FROM THE CITY, STATE, AND/OR GOVERNING BODY.

7. CONTRACTOR RESPONSIBLE FOR OBTAINING AND PROVIDING REVIEW AND DESIGN OF ANY AND ALL SHORING SYSTEMS PRIOR TO CONSTRUCTION.

8. THE ENGINEER SHALL BE NOTIFIED FOR DISPOSITION OF SITUATIONS WHERE THE CONDUIT CANNOT MAINTAIN SEPARATIONS PER TO CONSULTATION.

9. THE CONTRACTOR IS RESPONSIBLE FOR THE RESTORATION OF THE AREAS DISTURBED BY CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS TO PAY ALL FEES AND OBTAIN ALL PERMITS FOR RESTORATION. CONTRACTOR IS TO RESTORE ALL DAMAGED STRUCTURES AND UTILITIES TO THE SATISFACTION OF THE FACILITY OWNER OR THE GOVERNING BODY, IN THE EVENT THAT DAMAGE OCCURS.

USE EXTREME CAUTION NEAR ALL GAS FACILITIES DURING CONSTRUCTION AND RELATED EXCAVATION ACTIVITIES. HAND EXCAVATION IS REQUIRED TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF GAS MAINS PRIOR TO CROSSING AND WORKING WITHIN 3 FEET OF ALL GAS FACILITIES. A MINIMUM OF 3 FEET HORIZONTAL EDGE TO EDGE CLEARANCE IS REQUIRED FOR GAS MAINS WITH DIAMETERS OF 16 INCHES OR SMALLER, AND 5 FEET EDGE TO EDGE CLEARANCE FOR GAS MAINS WITH DIAMETERS 18 INCHES AND LARGER IN DIAMETER. THE USE OF CONCRETE, FLOW FILL, OR THE LIKE IS PROHIBITED WITHIN 24 INCHES OF ALL GAS FACILITIES. NOR SHALL IT ENCASE ANY GAS FACILITY. SAND IS TO BE USED AS A FILLER BETWEEN FLOWABLE FILL AND ALL GAS FACILITIES, ANY DAMAGE TO GAS FACILITIES SHALL BE THE RESPONSIBILITY OF THE INSTALLING UTILITY AND THEIR CONTRACTORS.

1. THE ENCLOSED DESIGN MAY IMPLY EXISTING UTILITIES. THE UTILITIES HAVE NOT BEEN FIELD VERIFIED FOR LOCATION. THEREFORE, ALL UTILITIES IMPLIED WITHIN THIS DOCUMENT ARE TO BE REFERRED TO AS A "REFERENCE TOOL." IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR AND/OR ITS SUBCONTRACTOR TO VERIFY THESE UTILITIES USING ANY AND ALL METHODS AND INSTRUMENTS AVAILABLE IF/WHEN NECESSARY. FULLERTON CANNOT IN GOOD FAITH GUARANTEE UTILITY LOCATIONS. FROM EACH AND ALL DOCUMENTATION ON EXISTING UTILITIES HAS BEEN IMPLIED UTILIZING INFORMATION RETRIEVAL PROCESSES FROM ANY JURISDICTION INVOLVED (STATE, COUNTY AND/OR MUNICIPALITY, TO INCLUDE OTHERS).

2. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO ENSURE ALL CONDUITS ARE PLACED WITHIN THE GIVEN & DEDICATED SPACE LICENSED FOR THIS PARTICULAR CLIENT. FULLERTON ENGINEERING CONSULTANTS, INC. (FULLERTON) WAS NOT RETAINED FOR THE PURPOSE OF SUPPORTING A SURVEY OF THE AREA AND PROPERTY BOUNDARIES. THEREFORE, FULLERTON CAN NOT AND WILL NOT SUPPORT THE ACCURACY OF ANY IMPLIED BOUNDARY (I.E. PUBLIC WAY, PRIVATE PROPERTY, EASEMENT ETC.) NOR IS IT TO BE ASSUMED THAT THE SALE OF PROPERTIES HAS NOT OCCURRED DURING & AFTER FULLERTON'S RESPONSIBILITIES FOR THIS PROJECT HAVE PAST. ALL BOUNDARIES, EASEMENTS, PROPERTY LINES, ETC. ARE TO BE USED AS ASSOCIATED WITH THE PROJECT AND SHOULD NOT BE TAKEN LITERALLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE OBTAINED SUFFICIENT SURVEY AND SHOULD NOT BE QUESTIONED. ALL ASPECTS OF BOUNDARIES IMPLIED HEREIN, HAVE BEEN OBTAINED THROUGH AVAILABLE MEDIA SUCH AS BOUNDARY GOOGLE EARTH PRO, MUNICIPAL, STATE COUNTY, GIS, AND OTHER RECORD TYPES). FULLERTON DOES NOT AGREE NOR DISAGREE WITH THE ABOVE-MENTIONED RECORDS AS THEY ARE USED JUST A REFERENCE TOOL.

3. ALL BURIED OBSTRUCTIONS KNOWN BY FULLERTON ARE SHOWN ON THE CONSTRUCTION DRAWINGS. ANY AND ALL OTHERS ENCOUNTERED DURING CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT.

4. CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UTILITIES 48 HOURS PRIOR TO CONSTRUCTION ACTIVITY.

5. SHORING MAY BE REQUIRED AND SHALL COMPLY TO O.S.H.A. STANDARDS.

5. ALL BURIED CONDUIT/CABLE WILL BE PLACED AT 42" MINIMUM COVER UNLESS SPECIFIED OR OTHERWISE NOTED ON THE CONSTRUCTION DRAWINGS.

CONSTRUCTION DRAWINGS.

7. ANY AND ALL IMPROVEMENTS, IF DAMAGED, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION. THIS INCLUDES BUT IS NOT LIMITED TO: ASPHALT, CONCRETE PAVEMENT, CURBS, GUTTERS, SIDEWALKS, DRAINAGE DITCHES, EMBANKMENTS, SHRUBS, TREES, GRASS SOD, ETC..

ALL FIBER INSTALLATIONS SHALL OBSERVE A MINIMUM DYNAMIC BEND RADIUS OF 20X THE CABLE DIAMETER FOR ALL OSP FIBER SHEATHS AND 15X THE CABLE DIAMETER FOR ALL ISP FIBER SHEATHS. ADDITIONALLY, ALL INSTALLATIONS SHALL OBSERVE A MINIMUM STATIC BEND RADIUS OF 15X THE CABLE DIAMETER FOR ALL OSP FIBER SHEATHS AND 10X THE CABLE DIAMETER FOR ALL ISP FIBER SHEATHS. IF THE MANUFACTURER'S SPECIFICATIONS FOR BEND RADIUS ARE GREATER, THEN THEY SHALL BE FOLLOWED.

4. ALL NEW METALLIC AERIAL STRAND SHALL BE BONDED/GROUNDED (PREFERABLY TO THE POWER COMPANY NEUTRAL) PER LOCAL REQUIREMENTS. AT A MINIMUM, THE BONDING/GROUNDING PATTERN SHALL BE THE FIRST AND LAST POLE OF A RUN AND EVERY TENTH POLE IN THE RUN. SHOULD ONE OF THESE DESIGNATED POLES SUPPORT A POWER TRANSFORMER, THE POLES ON EITHER SIDE OF SAID POLE SHALL BE BONDED/GROUNDED AND THE PATTERN SHOULD CONTINUE EVERY TENTH POLE FROM THAT STARTING POINT.

0. ALL AERIAL FIBER OPTIC CABLES SHALL BE SECURELY LASHED TO AERIAL STRAND BY METHOD OF MECHANICAL LASHING CARRIAGE OR APPROVED EQUAL.

1. ALL FIBER OPTIC CABLES INSTALLED BELOW GRADE SHALL BE OF AN ARMORED VARIETY WITH METALLIC INNER SHEATH, OR BE PLACED WITH A METALLIC LOCATING WIRE TO FACILITATE FUTURE LOCATING SERVICES.

2. ALL CONDUIT OR DUCT CONSTRUCTION SHALL INCLUDE THE PLACEMENT OF PULLING TAPE OF SUFFICIENT SIZE AND GRADE TO FACILITATE THE INSTALLATION OF THE SPECIFIED FIBER TYPE THROUGH CONDUIT BEING UTILIZED (JETLINE USE TO BE APPROVED BY CLIENT).

3. ALL FUSION SPLICING SHALL BE COMPLETED BY A QUALIFIED FIBER SPLICER IN A CLEAN TEMPERATURE CONTROLLED TRUCK, TRAILER, OR SHELTER SPECIFICALLY TOoled OR DESIGNED FOR THE PURPOSE OF FUSION SPLICING FIBER OPTIC CABLES IN A FIELD ENVIRONMENT.

4. ALL MECHANICAL SPLICES AND FACTORY ENDS SHALL BE KEPT CLEAN AND FREE FROM DUST, DIRT, OILS, AND SMEARS. CARE SHOULD BE TAKEN TO MATCH POLISH TYPES ON FACTORY ENDS.

5. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL CORRECTIONS TO WORK IDENTIFIED AS UNACCEPTABLE BY CLIENT, ENGINEER, OR INSPECTOR, DURING SITE INSPECTION ACTIVITIES AND/OR AS A RESULT OF TESTING. CONTRACTOR SHALL ALSO PROVIDE ALL AS-BUILT INFORMATION UPON COMPLETION OF INSPECTION.

5. CONTRACTOR SHALL KEEP THE SITE FREE FROM ACCUMULATING WASTE MATERIAL, DEBRIS, AND TRASH, AT THE COMPLETION OF THE WORK. CONTRACTOR SHALL REMOVE FROM THE SITE ALL REMAINING RUBBISH, IMPLEMENTS, TEMPORARY FACILITIES, AND SURPLUS MATERIALS. CONTRACTOR TO RETURN SITE TO PREVIOUS OR BETTER CONDITION.

7. DRAWINGS ARE INTENDED TO SHOW DESIGN INTENT. CONTRACTOR SHALL PROVIDE MATERIALS AND LABOR AS REQUIRED TO PRODUCE A COMPLETE AND FUNCTIONING SYSTEM WHILE MEETING ALL CODES AND SPECIFICATIONS. MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS. SUCH MODIFICATIONS SHALL BE INCLUDED IN THE WORK. SAID DESIGN IS INTENDED TO AVOID DISRUPTION OF ANY HANDICAP RAMPS OR STRUCTURES AS DESCRIBED PER THE AMERICANS WITH DISABILITIES ACT OF 1990.

3. CONTRACTOR SHALL WORK WITH CLIENT TO IDENTIFY ALL CONTRACTOR SUPPLIED MATERIALS TO CONSTRUCT NETWORK PER

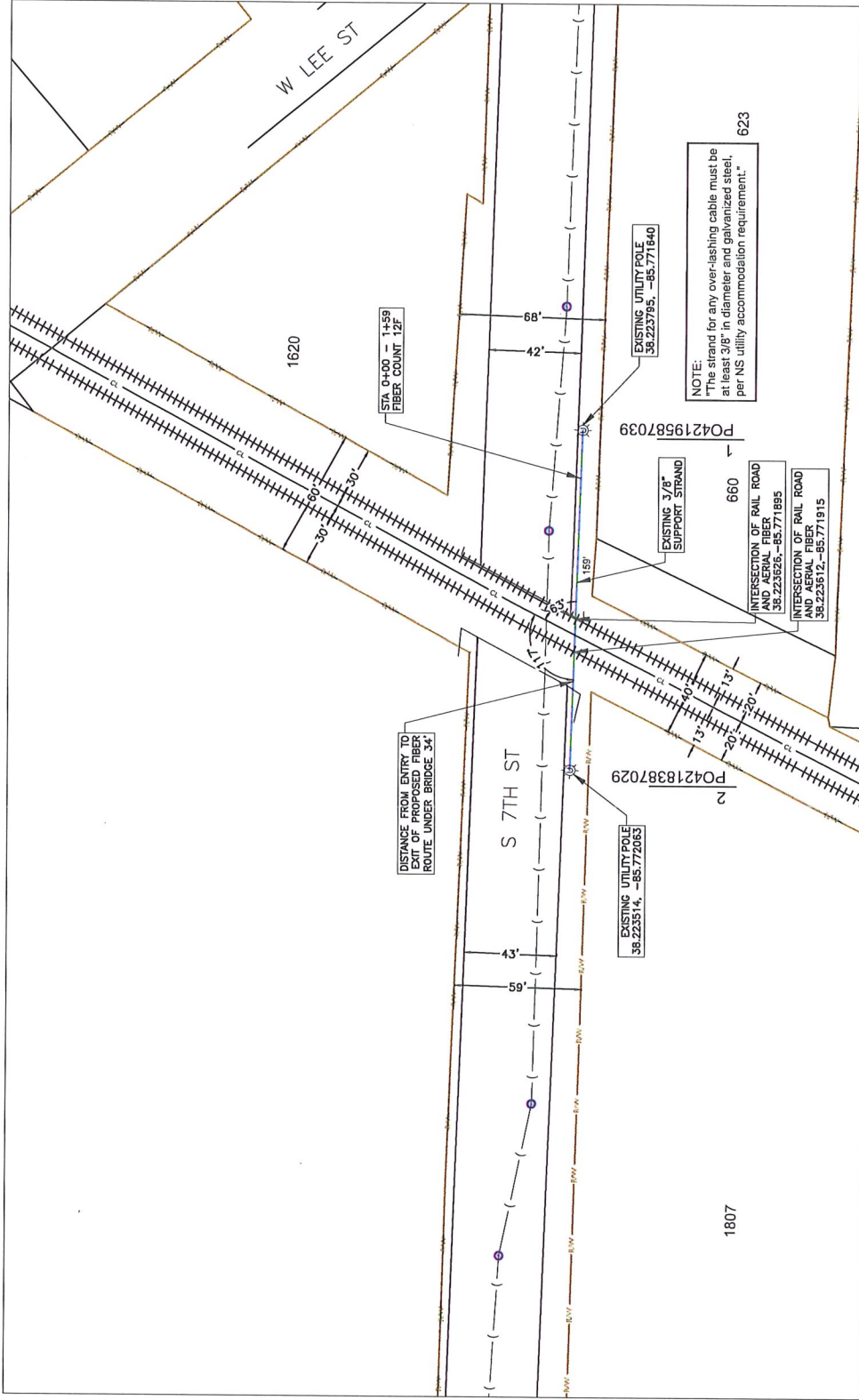
<div>vero NETWORKS</div>		<div>Fullerton DESIGN DEVELOP CONTRACT</div> <div>1100 E WOODFIELD ROAD, SUITE 500 SCOTTSDALE, ARIZONA 85267 TEL: 847-908-8400 COA# 4912 www.fullerton-ar.com</div>		<table><tr><th>REV</th><th>DATE</th><th>DESCRIPTION</th><th>BY</th></tr><tr><td>A</td><td>07/09/28</td><td>90% REVIEW</td><td>SD</td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table> <div>I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF ARIZONA. I AM NOT PROVIDING ANY DESIGN OR CONSULTING SERVICES TO ANY OTHER PARTY WITHOUT THE REQUIREMENTS OF ALL APPLICABLE CODES.</div>		REV	DATE	DESCRIPTION	BY	A	07/09/28	90% REVIEW	SD																
REV	DATE	DESCRIPTION	BY																										
A	07/09/28	90% REVIEW	SD																										
<div>PROPOSED</div> <div>PROPOSED FIBER OVERLASH</div> <div>PROPOSED OPEN CUT TRENCH</div> <div>PROPOSED DIRECTIONAL BORE</div> <div>PROPOSED 4X4 MANHOLE</div> <div>PROPOSED REPLACEMENT STREET LIGHT POLE</div> <div>COMED</div> <div>EXISTING COMED</div> <div>EXISTING CTA</div> <div>POTENTIAL BURIED CTA ABANDONED TRACKS</div> <div>DEOELECTRIC</div> <div>EXISTING DEOELECTRIC</div> <div>EXISTING STREET LIGHT CONTROL BOX</div> <div>EXISTING TRAFFIC LIGHT CONTROL BOX</div> <div>EXISTING STREET LIGHT HANDHOLE</div> <div>EXISTING TRAFFIC LIGHT HANDHOLE</div> <div>EXISTING RED LIGHT CAMERA POLE</div> <div>EXISTING ENWAVE/UNICOM</div> <div>GAS</div> <div>EXISTING GAS MAIN</div> <div>EXISTING GAS MAIN (DEAD)</div> <div>EXISTING GAS CAP</div> <div>EXISTING GAS REDUCER</div> <div>MISCELLANEOUS</div> <div>EXISTING FENCE</div> <div>EXISTING CONSTRUCTION FENCE</div> <div>EXISTING GUARDRAIL</div> <div>EXISTING PROPERTY LINE/ R.O.W.</div> <div>EXISTING BIKE RACK</div> <div>EXISTING TREE</div> <div>EXISTING BUSH</div> <div>EXISTING STREET SIGN POST</div> <div>EXISTING POSTBOLLARD</div> <div>EXISTING GROUND LIGHT</div> <div>EXISTING UTILITY POLE</div> <div>EXISTING STANDPIPE</div> <div>EXISTING ADA RAMP</div>		<div>EXISTING JCP'S FIBER</div> <div>EXISTING COMMUNICATIONS</div> <div>EXISTING CROWN CASTLE</div> <div>EXISTING COMMUNICATION MANHOLE</div> <div>EXISTING CROWN CASTLE MANHOLE</div> <div>EXISTING COMMUNICATION HANDHOLE</div> <div>MULTI GROUND NEUTRAL VERTICAL</div> <div>DOWN GUY & ANCHOR</div> <div>DOWN GUY</div> <div>SIDEWALK DOWN GUY</div> <div>SEWER</div> <div>EXISTING SEWER MAIN</div> <div>EXISTING SEWER MAIN (ABANDON)</div> <div>EXISTING STORM SEWER MAIN</div> <div>EXISTING MWWD MANHOLE</div> <div>EXISTING WATER MAIN</div> <div>EXISTING WATER MAIN (ABANDON)</div> <div>EXISTING WATER SHUT OFF</div> <div>EXISTING FIRE CISTERN MANHOLE</div> <div>EXISTING WATER CAP</div>		<div>EXISTING SLACK LOOP</div> <div>PROPOSED FIBER SPLICE</div> <div>PROPOSED BORE PIT</div> <div>PROPOSED 30" COMMUNICATIONS MH</div> <div>PROPOSED 36X24X30 HANDHOLE</div> <div>EXISTING COMED MANHOLE</div> <div>EXISTING CTA MANHOLE</div> <div>EXISTING UTILITY POLE</div> <div>EXISTING STREET LIGHT POLE</div> <div>EXISTING TRAFFIC LIGHT POLE</div> <div>EXISTING DEO POLE</div> <div>EXISTING ELECTRIC MANHOLE</div> <div>EXISTING ELECTRIC HANDHOLE</div> <div>EXISTING RED LIGHT FLASH POLE</div> <div>EXISTING ENWAVE/UNICOM MANHOLE</div> <div>EXISTING GAS MANHOLE</div> <div>EXISTING GAS VALVE</div> <div>EXISTING GAS METER</div> <div>EXISTING MISCELLANEOUS MANHOLE</div> <div>EXISTING GARBAGE CAN</div> <div>EXISTING PARK DISTRICT MANHOLE</div> <div>EXISTING MONITORING WELL</div> <div>EXISTING FIRE ALARM</div> <div>EXISTING STREET PARKING PAY BOX</div> <div>EXISTING PEDESTAL</div> <div>EXISTING MAILBOX</div> <div>EXISTING NEWSPAPER BOX</div> <div>EXISTING PHONE</div> <div>EXISTING SPRINKLER CONTROL BOX</div> <div>EXISTING SPRINKLER VALVE</div> <div>EXISTING SUPPORT COLUMN</div>		<div>EXISTING COMMUNICATION MANHOLE</div> <div>EXISTING CROWN CASTLE MANHOLE</div> <div>EXISTING COMMUNICATION HANDHOLE</div> <div>MULTI GROUND NEUTRAL VERTICAL</div> <div>DOWN GUY & ANCHOR</div> <div>DOWN GUY</div> <div>SIDEWALK DOWN GUY</div> <div>EXISTING SEWER MANHOLE</div> <div>EXISTING SEWER CATCH BASIN</div> <div>EXISTING SEWER INLET</div> <div>EXISTING WATER MANHOLE</div> <div>EXISTING WATER VALVE</div> <div>EXISTING WATER METER</div> <div>EXISTING FIRE HYDRANT</div> <div>EXISTING WATER REDUCER</div>		<div>SEGMENT NAME</div> <div>S 7TH ST</div> <div>TASK DESCRIPTION</div> <div>AERIAL OVERLASH FIBER</div> <div>PROJECT AREA</div> <div>LOUISVILLE, KY JEFFERSON COUNTY</div> <div>SHEET SCALE</div> <div>N.T.S.</div> <div>SHEET TITLE</div> <div>LEGEND</div> <div>GRID NUMBER</div> <div>05 OF 10</div> <div>SHEET NUMBER</div> <div>GN-2</div>																					



REV	DATE	DESCRIPTION	BY
A	07/09/26	90% REVIEW	SD

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND CONTROL, AND TO THE BEST OF MY KNOWLEDGE AND BELIEF COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE CODES.

SEGMENT NAME	S 7TH ST
TASK DESCRIPTION	AERIAL OVERLASH FIBER
PROJECT AREA	LOUISVILLE, KY JEFFERSON COUNTY
SHEET SCALE	1" = 50'-0"
SHEET TITLE	DESIGN LAYOUT
GRID NUMBER	06 OF 10
SHEET NUMBER	C-001



LOUISVILLE, KY
JEFFERSON COUNTY



Fullerton
DESIGN DEVELOP CONSTRUCT
1100 E. WOODFIELD ROAD, SUITE 500
SCARLETT, INDIAN 46173
TEL: 847-928-8400
CO.# 4912
www.fullerton-us.com

REV	DATE	DESCRIPTION	BY
A	07/09/23	90% REVIEW	SD

I HEREBY CERTIFY THAT THESE DRAWINGS WERE PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF INDIANA. I AM NOT PROVIDING ANY DESIGN OR CONSTRUCTION SERVICES TO ANY OTHER PARTY WITHOUT THE REQUIREMENTS OF ALL APPLICABLE CODES.

SEGMENT NAME

S 7TH ST

TASK DESCRIPTION

AERIAL OVERLASH
FIBER

PROJECT AREA

LOUISVILLE, KY
JEFFERSON COUNTY

SHEET SCALE

N.T.S

SHEET TITLE

AERIAL_PROFILE

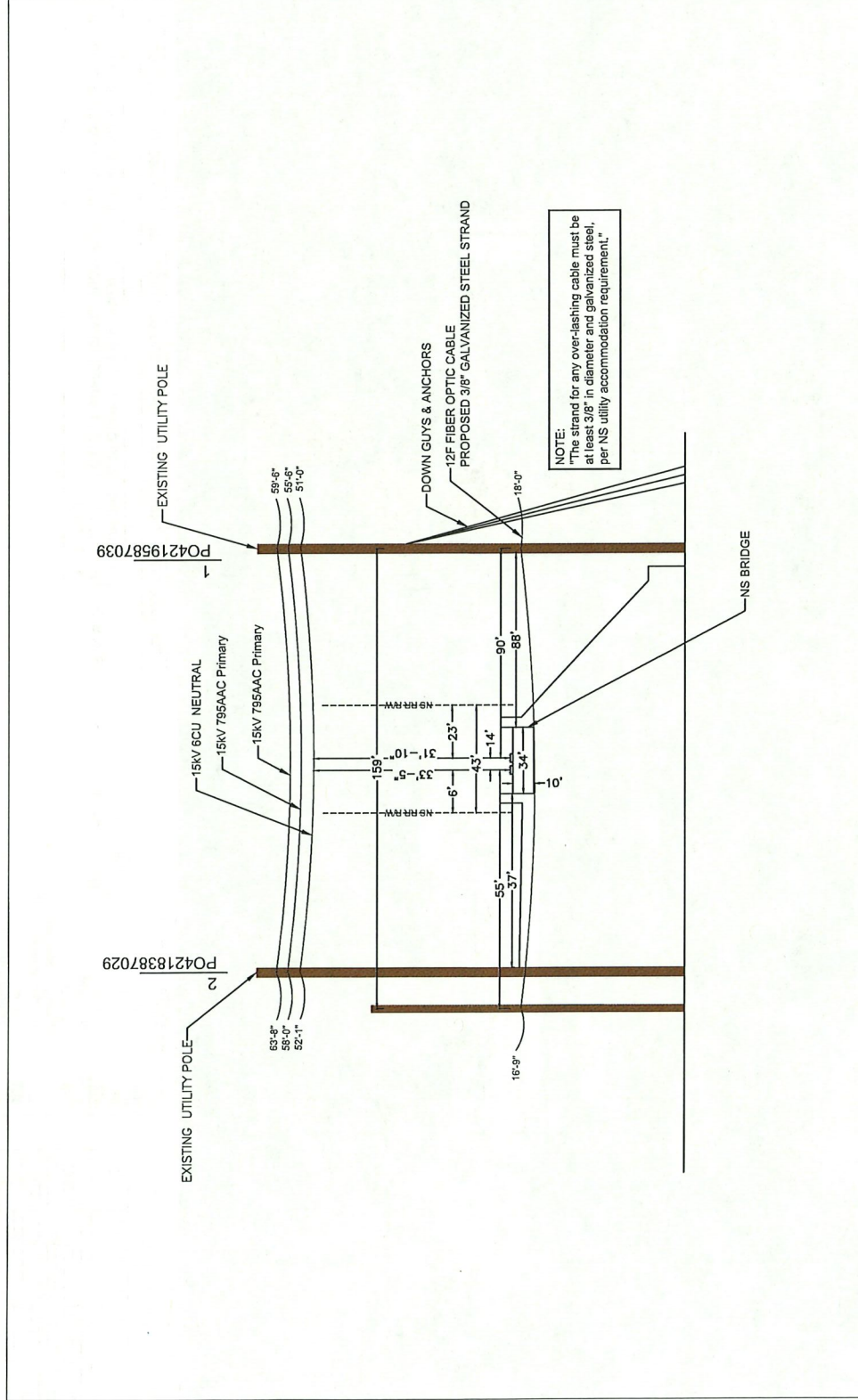
GRID NUMBER

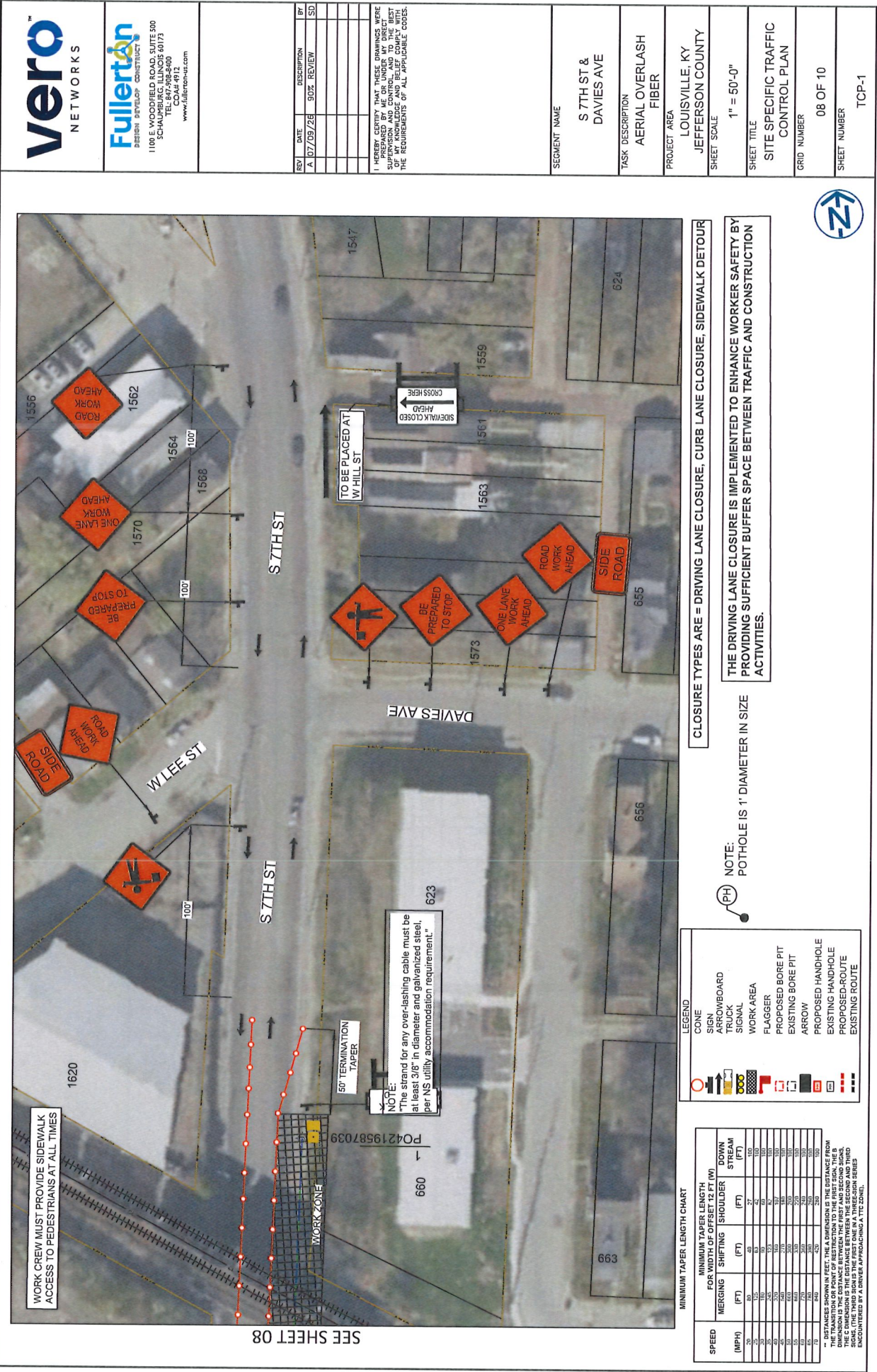
07 OF 10

SHEET NUMBER

PROFILE

PROJECT#





WORK CREW MUST PROVIDE SIDEWALK ACCESS TO PEDESTRIANS AT ALL TIMES

SEE SHEET 08

NOTE:
"The strand for any over-lashing cable must be at least 3/8" in diameter and galvanized steel, per NS utility accommodation requirement."

50' TERMINATION TAPER

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A	07/09/26	90% REVIEW	SD

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SEGMENT NAME	S 7TH ST & S 11 TH ST
TASK DESCRIPTION	AERIAL OVERLASH FIBER
PROJECT AREA	LOUISVILLE, KY JEFFERSON COUNTY
SHEET SCALE	1" = 50'-0"
SHEET TITLE	SITE SPECIFIC TRAFFIC CONTROL PLAN
GRID NUMBER	10 OF 10
SHEET NUMBER	TCP-3

PROJECT#



SEE SHEET 08

CLOSURE TYPES ARE = DRIVING LANE CLOSURE, CURB LANE CLOSURE, SIDEWALK DETOUR

THE DRIVING LANE CLOSURE IS IMPLEMENTED TO ENHANCE WORKER SAFETY BY PROVIDING SUFFICIENT BUFFER SPACE BETWEEN TRAFFIC AND CONSTRUCTION ACTIVITIES.

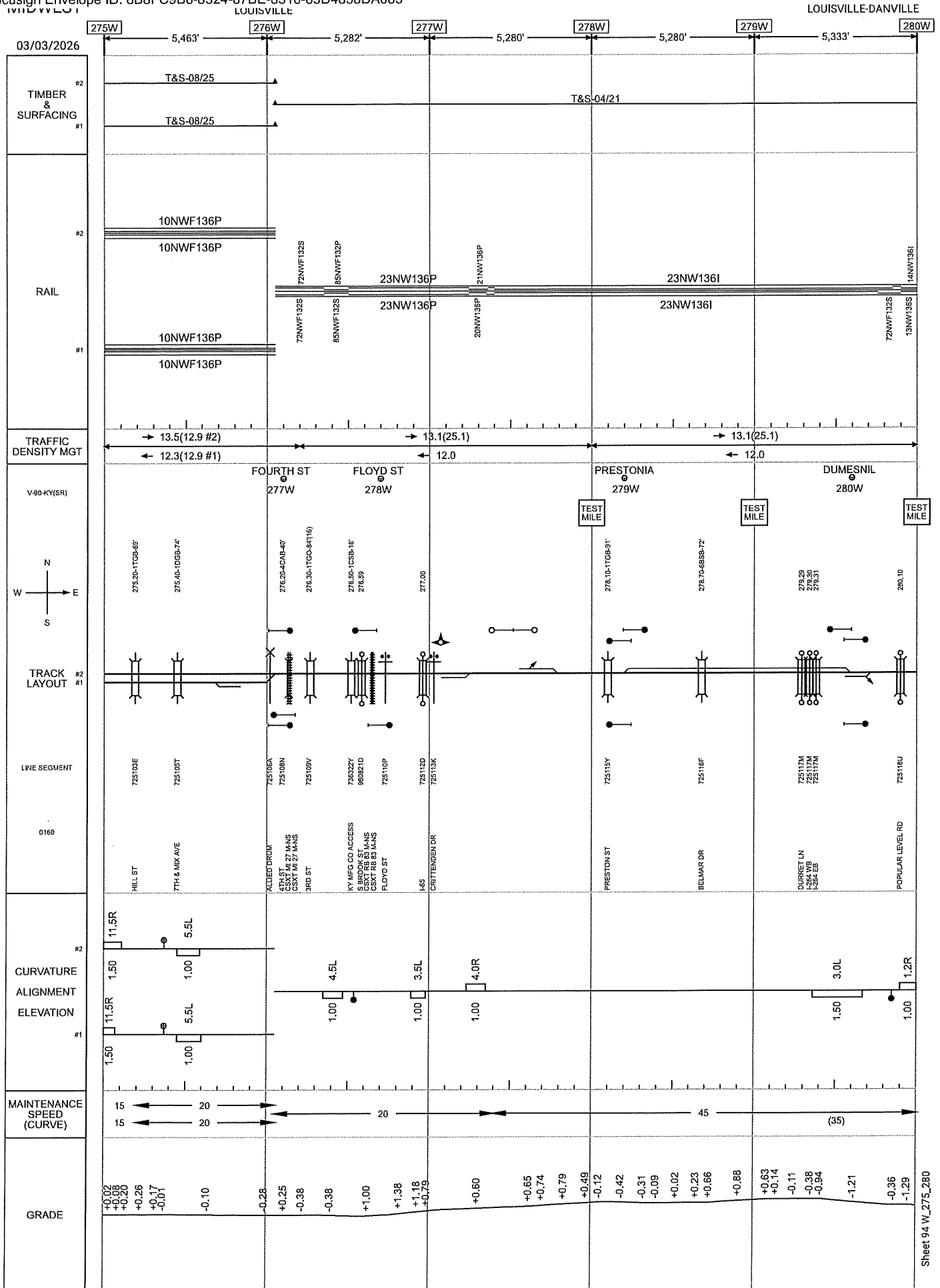
NOTE:
POTHOLE IS 1' DIAMETER IN SIZE



LEGEND	
	CONE
	SIGN
	ARROWBOARD
	TRAFFIC SIGNAL
	WORK AREA
	FLAGGER
	PROPOSED BORE PIT
	EXISTING BORE PIT
	ARROW
	PROPOSED HANDHOLE
	EXISTING HANDHOLE
	PROPOSED ROUTE
	EXISTING ROUTE

MINIMUM TAPER LENGTH CHART						
SPEED (MPH)	FOR WIDTH OF OFFSET 12 FT (W)					DOWN STREAM STREAM (FT)
	MERGING	SHIFTING	SHOULDER	SHOULDER	SHOULDER	
20	80	45	77	100	100	
25	100	60	100	125	125	
30	125	75	125	150	150	
35	150	90	150	175	175	
40	175	105	175	200	200	
45	200	120	200	225	225	
50	225	135	225	250	250	
55	250	150	250	275	275	
60	275	165	275	300	300	
65	300	180	300	325	325	
70	325	195	325	350	350	
75	350	210	350	375	375	
80	375	225	375	400	400	
85	400	240	400	425	425	
90	425	255	425	450	450	
95	450	270	450	475	475	
100	475	285	475	500	500	

** DISTANCES SHOWN IN FEET. THE A DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN. THE B DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS. THE C DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS. (THE THIRD SIGN IS THE FIRST ONE IN A THREE-SIGN SERIES ENCOUNTERED BY A DRIVER APPROACHING A TTC ZONE).



General Reference Only - Not for Operational Purposes

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Status

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Status

Timestamp

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