

APPLICATION FOR PERMIT FOR INSTALLATION OF UTILITIES OR PLACING OBSTRUCTIONS ON THE COUNTY HIGHWAY SYSTEM
ALL APPLICANTS MUST BE REGISTERED PRIOR TO PERMIT APPROVAL

APPLICANT NAME **HBK Engineering obo Gateway Fiber Infrastructure** CONTACT PERSON **Brandon Ferngren**

ADDRESS **275 West North Service Rd, Suite O** CITY **Wright City, MO**

PHONE NUMBER **6129861453** EMAIL **brandon.ferngren@gatewayfiber.com**

COMPANY OR INDIVIDUAL PERFORMING WORK **Comlink Solutions**

CONTACT PERSON **Spencer Nelson** EMAIL **spencer.nelson@comlink-solutions.com**

PHONE NUMBER **612-346-5484**

PERMIT WORK TO START **4/30/2025**

PERMIT WORK TO BE COMPLETED **8/10/2025**

DURATION OF JOB **Duration for each section shown on map**


ARE YOU BEING ASKED TO RELOCATE DUE TO A COUNTY PROJECT? **No**

ANOKA COUNTY PROJECT NUMBER

WORK SITE ADDRESS **Along Radisson RD from 132 LN to Radisson Woods DR** CITY **Blaine**

METHOD OF INSTALLATION/CONSTRUCTION **Directional Drilling**

NATURE OF WORK **Place fiber optic cable via directional drilling in the Anoka County ROW for Gateway Fiber on roads mentioned above and on attached maps. The proposed work in the ROW to be in accordance with the Anoka County Govt requirements to work in the ROW**

SURFACE TO BE DISTURBED	SITE PLAN	IF THE ROADWAY IS ENCROACHED, YOU MUST ATTACH A TRAFFIC CONTROL PLAN AND/OR REFERENCE THE MOST CURRENT VERSION OF THE MN TEMPORARY TRAFFIC CONTROL FIELD MANUAL (3+ DAYS REQUIRES PLANS TO BE SIGNED BY A LICENSED PE).
<div><div>X</div>DITCH/BLVD</div>	<div></div>	Traffic and pedestrian control layouts attached. Traffic control to taken down at the end of each work day.
<div>GRAVEL</div>		
<div>BITUMINOUS</div>		
<div>CONCRETE</div>		
<div>NONE</div>	IS SIGNING AND STRIPING REQUIRED?	Yes

DEPTH FROM SURFACE **60"**
(60" minimum under county roads)

SIZE AND KIND OF PIPE/CABLE **1.25" Duct/Fiber Optic Cable**

NUMBER OF EXCAVATIONS **4+** SIZE OF EXCAVATIONS **12x12",14x19",17x30",24x36", on map**
(Length, width, and depth)

LOCATION OF EXCAVATIONS ALL EXCAVATIONS ARE TO BE PROTECTED AT ALL TIMES AND THEN BACKFILLED WHEN UNATTENDED AND/OR OVERNIGHT
Specific written descriptions of excavations - if shown on attached drawing, drawing shall be specific with depth and distance from centerline, curb, or other distinguishable location. Traffic control plans cannot be approved without specific excavation descriptions.

Approximately 12"-36" deep within Anoka County Easement running along Radisson RD NE from 132nd LN NE to Radisson Woods DR NE as shown on pages B1-B13.



Anoka County

MINNESOTA

Respectful. Innovative. Fiscally Responsible

ANOKA COUNTY TRANSPORTATION DIVISION

1440 BUNKER LAKE BLVD NW

ANDOVER, MN 55304

PERMIT PHONE: 763-324-3176

highwaypermits@anokacountymn.gov

GENERAL INFORMATION

One permit must be approved for each county road on which work will be performed prior to any work within the right of way by any utility/contractor. Emergency conditions which threaten the safety of the public and require immediate repair are exceptions to this rule. Under those circumstances, the utility/contractor is permitted to begin and/or complete the necessary repairs. The Anoka County Transportation Division (ACTD) shall be notified of emergency repairs as soon as feasible and a written permit is to be completed within two business days of occurrence.

A license-permit bond is generally required of the contractor as part of the registration process, the amount of which will be determined by the nature of the utility work.

A sketch or drawing shall accompany each permit application which will show the location of the proposed work/utility with reference to the county highway center line and right of way line. A complete set of plans is required for all sewer/water projects.

It shall be the responsibility of the applicant to determine which of the special conditions apply to each permit.

ACTD reserves the right to revoke any utility permit and halt work, if, upon inspection of any job site, the special conditions are not met, and/or a hazard exists for the applicant or public safety is threatened. **The failure to comply with the terms and conditions of any applicable Federal, State, Regional, and local laws, rules and regulations, including any provision of Anoka County's Right-of-Way Ordinance shall be cause for immediate revocation of a permit.**

The applicant shall notify ACTD immediately upon completion of project so that the ACTD can inspect the site to determine if restoration has been satisfactorily completed.

The undersigned hereby accepts the terms and conditions of this permit and the regulations of Anoka County, and agrees to fully comply therewith to the satisfaction of the ACTD. The county of Anoka, its officials, employees, and agents, shall be held harmless, by the applicant/permittee, from any demands, claims, lawsuits, or damages relating to the work described in this permit.

APPLICANT'S SIGNATURE

Signed by:

Kristofer Robinson

DAE1FAF704644E0...

DATE 4/15/2025

AUTHORIZATION OF PERMIT

In consideration of the applicant's agreement to comply in all respects with the regulations of the ACTD covering such operations, permission is hereby granted for the work to be done as described in the above application. Said work to be done in accordance with the general conditions listed above and the special conditions required as hereby stated. It is expressly understood that this permit is conditioned upon replacement or restoration of the county highway and its right of way to their original or to a satisfactory condition. It is further understood that this permit is issued subject to the approval of local city or township authorities having joint supervision over said street or highway.

APPROVED BY:

TITLE: Traffic Technician

DATE

NOT VALID UNLESS SIGNED BY ANOKA COUNTY

THIS PERMIT COVERS THE RIGHT OF WAY IN ANOKA COUNTY ONLY
ACTD reserves the right to make changes to these special conditions.



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SPECIAL CONDITIONS

TRAFFIC CONTROL

- 1) Detours
 - a) Detailed detour layouts shall be submitted to the traffic engineer for approval.
 - b) No detours shall be permitted without prior approval of the Anoka county traffic engineer.
 - c) A ten day notice must be given prior to the installation of any detour.
 - d) It shall be the responsibility of the applicant to notify Anoka county central communications, local government bodies, and any affected bus companies ten days prior to any road closures/detours.
 - e) Immediately upon completion of work and/or detours, all posts, barricades, and signs shall be removed from the right of way.
- 2) Traffic control devices
 - a) All traffic control devices, barricades, flashers, etc., shall be furnished by the applicant and shall be in accordance with the most recent edition of the Minnesota manual on uniform traffic control devices and temporary traffic control zone layouts – field manual of the same manual.

CONSTRUCTION REQUIREMENTS

- 1) Open cutting of bituminous or concrete surfaced roads will be allowed only at the discretion of the county engineer.
- 2) Neither supplies nor excavation materials shall be placed on the bituminous or concrete surface at any time.
- 3) No trenches will be allowed to remain open overnight.
- 4) Materials removed from the trench shall be used as backfill insofar as they are suitable. All backfill material shall conform to MNDOT specifications for compaction. The use of heavy equipment on top of trench, slapping with backhoe bucket and/or back casting to achieve compaction is prohibited. Any additional material required to back fill to the original grade shall be furnished by the applicant at no expense to the ACTD. All the base and surface courses damaged during construction operations shall be restored to a condition equal to or better than before operations began. The applicant shall be responsible for and restore any settlement.
- 5) All culverts, ditches, shoulders, and backslopes shall be restored to their original condition unless otherwise directed by the ACTD. Shoulders which have been previously constructed or reconstructed with special materials shall be replaced in kind. Restoration of signs, guardrails, guard posts, etc., are the sole responsibility of the applicant and shall be restored to their original condition.
- 6) All roadway maintenance required within the limits of the utility project that is related to the applicant's activities shall be the sole responsibility of the applicant for one year after completion of the project. Upon completion of the restoration work, the applicant shall request a final inspection by the ACTD. The ACTD's approved completion date shall be the starting date of the applicant's one-year responsibility.

HORIZONTAL BORING AND JACKING

- 1) All hard surface roadways shall be jacked or bored.
- 2) All crossings of Anoka County maintained roadbeds, shall be made by boring inside a casing or carrier pipe, or by jacking unless otherwise directed by the Anoka County Engineer. The auger shall lead the casing or carrier pipe by at least six inches whenever possible and never lead the carrier pipe by more than one inch.
- 3) The use of pneumatic devices to facilitate the roadbed crossings will be allowed in most cases with prior approval. In the event approval is not granted and applicant uses a pneumatic device to cross a roadbed and encounters an obstruction and/or unstable subbase material which makes forward or reverse motion of pneumatic device impossible, said pneumatic device then becomes part of the roadway subbase and permission to excavate to retrieve device will not be granted.
- 4) If a pneumatic device is used for the work permitted herein, the installation must be kept to a minimum of four feet below the surface of the roadway if the pneumatic device is less than two inches in diameter, and a minimum of five feet below the surface of the roadway if the pneumatic device is two inches in diameter or larger.

BITUMINOUS RESTORATION

- 1) The locations and dimensions of all openings to be made in the bituminous surface shall be approved by the ACTD prior to any cutting or any surface opening operations.
- 2) All openings in bituminous surfaces shall be cut in a straight line with the sides smooth and vertical. No ragged edges will be permitted. Cutting shall be done with a concrete saw.
- 3) All necessary dust control operations shall be carried out by the applicant at no expense to Anoka County.
- 4) The minimum requirement for subgrade replacement shall be the upper twelve inches of material and shall meet MNDOT specifications for class five placed in six inch layers compacted to one hundred percent of optimum density.
- 5) All manhole casings, gate valves, and other utility structures shall be set one quarter inch below the top of the finished surface.
- 6) Bituminous tack coat materials and application thereof shall conform to MNDOT specification 2357.
- 7) All bituminous surfacing shall be replaced as soon as practicable after the base construction. All bituminous surfacing shall be machine laid. Any exceptions must be approved by the ACTD. Bituminous surfacing shall be replaced to original pavement depth or to a minimum of six inches of bituminous mixture (2360), whichever is greater. Bituminous mixtures must be placed in lifts not exceeding three inches in thickness for base and binder courses and not exceeding two inches for the wear course.
- 8) All surface restoration regardless of size shall conform to existing grades.
- 9) Any unnecessary or negligent damage to bituminous surface in conjunction with the installation and/or repair of a utility shall be cut out and replaced in kind as directed by the ACTD.



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highwaypermits@anokacountymn.gov

<u>CONCRETE RESTORATION</u> 1) Curb and gutter, sidewalks, and driveways shall be restored in accordance with MNDOT specifications 2531 and 2521.
<u>UTILITY LINES</u> 1) There shall be only a single pole line on the county right of way on either side of the center line thereof. 2) Exact locations of longitudinal installations on county highways shall be located as directed by the ACTD.
<u>SECTION CORNER MONUMENTS</u> 1) Utility locations shall not interfere with the location of any section, quarter, witness, or right of way monuments. For assistance in locations, contact the Anoka County Surveyor’s Office. 2) The applicant shall be responsible for replacement of any existing property irons disturbed during construction. 3) The applicant shall notify the Anoka County Surveyor’s Office three working days in advance of any anticipated disturbance of any section, quarter, witness, or right of way monuments. 4) Any monument disturbed during the course of construction, shall be reset by the Anoka County Surveyor’s Office at the expense of the applicant.
<u>ATTACHING TO BRIDGES/STRUCTURES</u> 1) No utility is permitted to be hung from, or otherwise attached to, any bridge or structure without having detailed plans approved by the Anoka County Engineer. These plans are to show approaches to the structure, method of installation, type, and dimension of housing for the utility.
<u>ADDITIONAL PROVISIONS</u> 1) All subcontractors, installers, and crew shall possess a physical or electronic copy of all documents in relation to the approved permit prior to the commencement of work and be kept on site. This includes, but it not limited to the following: a) Approved permit b) Any/all traffic control plans and/or layouts 2) Shall notify Anoka County Permits at 763-324-3176 or highwaypermits@anokacountymn.gov a) At least 36 hours prior to the commencement of work b) With time frame of proposed of work c) Anticipated traffic control d) When work is complete - including restorations - to request a final inspection 3) No work during inclement weather or when plows are out in any capacity 4) All traffic control shall be in accordance with the most current version of the MnDOT Temporary Traffic Control Field Manual 5) For staking of right-of way or proposed infrastructure, contact Chris Osterhus at 763-324-3189 a minimum of 48 hours prior to the commencement of work.

INITIAL

initial

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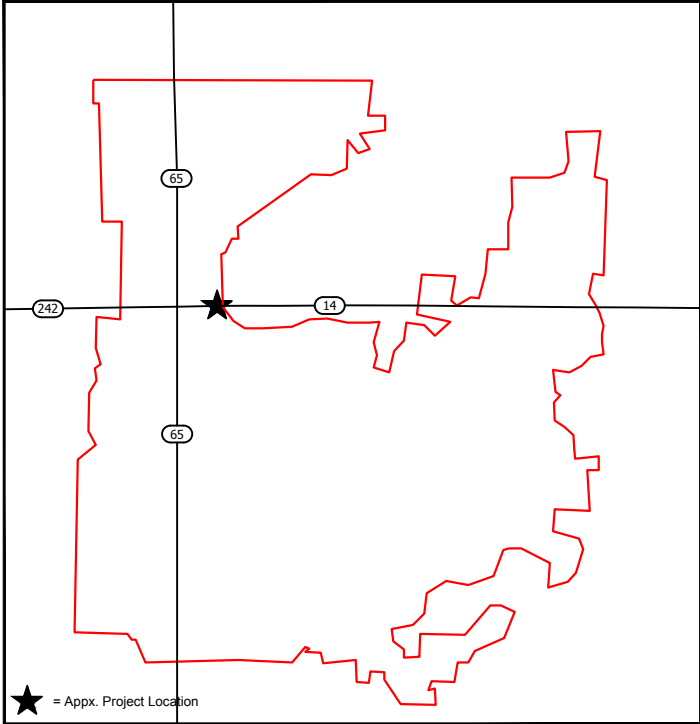
ANOKA COUNTY
BLAINE, MN



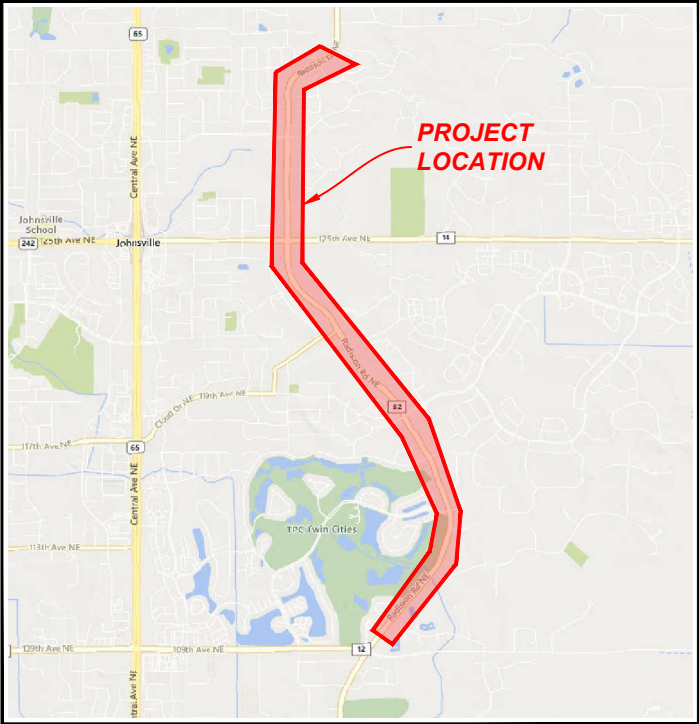
FIBERHOOD:
BLAN-MN-02-C2

PROPOSED FIBER - OPTIC INSTALLATION - CIVIL DESIGN
125TH AVE NE & RADISSON RD NE
BLAINE, MN


SITE LOCATION MAP



★ = Appx. Project Location



INDEX TO SHEETS	
SHEETS	DESCRIPTION
A1-A3	TITLE SHEET & GENERAL NOTES
B1-B13	PROJECT PLAN VIEW
C1-C7	STANDARD CONSTRUCTION DETAILS

ENGINEER:

A QUANTA GEE/HBK COMPANY
921 WEST VAN BUREN, SUITE 100
CHICAGO, IL 60607
PHONE: (312) 432-0076 FAX: (312) 432-6231
STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL
REGULATION, LICENSE NO. 184-002308

OWNER/DEVELOPER:

275 WEST SERVICE RD
SUITE O
WRIGHT CITY, MO 63390

TITLE:
PROPOSED FIBER - OPTIC
INSTALLATION - CIVIL DESIGN
125TH AVE NE & RADISSON RD
NE
BLAINE, MN

REVISIONS

REV	DATE	DESCRIPTION	BY
00	04/15/2025	FOR PERMIT	KER
01			
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DRAWN BY:	CHECKED BY:	APPROVED BY:
KER	AJR	AJR

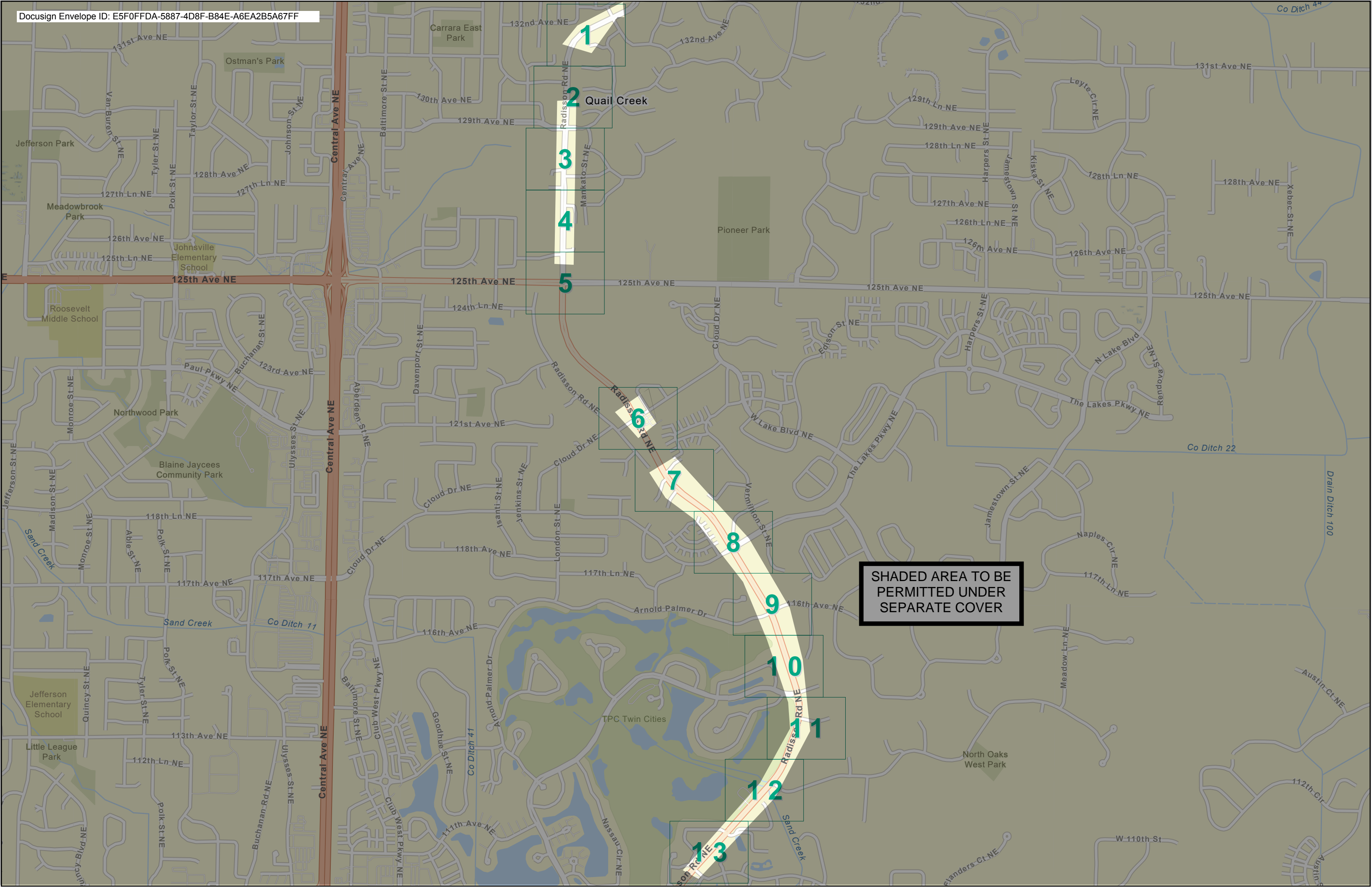
PROJECT NUMBER:	24-0172
DATE DRAWN:	04/15/2025

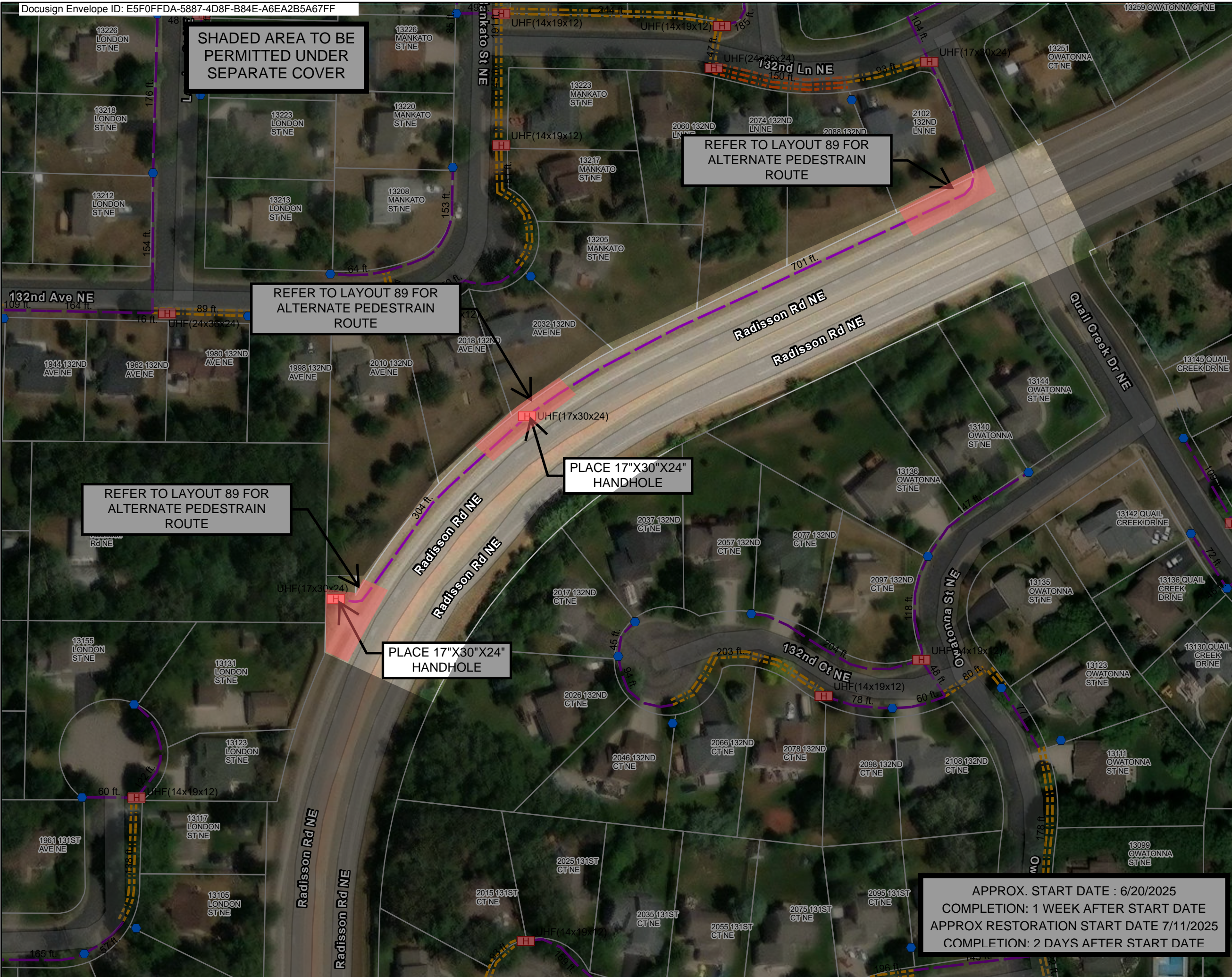
SHEET:
A1



NOTE: CONTRACTOR TO CONTACT
MINNESOTA 811 BEFORE DIGGING.
(1-800-252-1166)

GENERAL NOTES																																																						
<div><div><div><div>DEVELOPER:</div><div>GATEWAY FIBER KIRK THOELKE 275 WEST SERVICE ROAD, STE O WRIGHT CITY, MO 63390 KIRK.THOELKE@GATEWAYFIBER.COM</div></div><div><div>PROJECT MANAGER:</div><div>HBK ENGINEERING, LLC ALLIE RAY 2401 WALNUT ST. PHILADELPHIA, PA 19103 (760) 468-0044 ARAY@HBKENGINEERING.COM</div></div></div><div><div>SECTION 1.0 SCOPE OF WORK</div><div><div>1.</div><div>CONSTRUCTION OF ALL RELATED APPURTENANCES FOR FIBER OPTIC CABLE INSTALLATION. SEE PLANS FOR EXACT LOCATION, LENGTHS, QUANTITIES, AND DIMENSIONS OF PROPOSED IMPROVEMENTS.</div></div><div><div>2.</div><div>THE CONTRACTOR SHALL PROVIDE ALL MATERIAL, EQUIPMENT, LABOR, INSTALLATION, RESTORATION, UTILITY RELOCATION CHARGES, JOB SITE DELIVERY COSTS TO COMPLETE THE DESCRIBED, OR ILLUSTRATED WORK, UNDER THIS CONTRACT.</div></div><div><div>3.</div><div>ANY CHANGE-ORDER REQUEST MUST BE PRESENTED IN WRITING TO THE OWNER'S REPRESENTATIVE; AND APPROVED PRIOR TO PROCEEDING WITH THE REQUESTED CHANGE. DOCUMENTATION CONCERNING ANY AND ALL CHANGE ORDERS WILL BE REDUCED TO FORMAL RECORD, FILED WITH THE OWNER'S REPRESENTATIVE, AND BE MADE AVAILABLE FOR FUTURE REFERENCE.</div></div><div><div>4.</div><div>THE ENGINEER WILL NOT BE RESPONSIBLE NOR ASSUME ANY LIABILITY FOR NEGLIGENT ACTS OR ERRORS OF OMISSIONS OF ANY CONTRACTOR, ANY SUBCONTRACTOR, OR ANY OF THE CONTRACTOR'S OR SUBCONTRACTORS' AGENTS OR EMPLOYEES OR ANY OTHER PERSONS (EXCEPT ENGINEER'S OWN EMPLOYEES) AT THE PROJECT SITE OR OTHERWISE PERFORMING ANY OF THE WORK OF THE PROJECT. ANY CONTRACTOR OR SUB-CONTRACTOR, AS WELL AS THE ENGINEER, WILL BE RESPONSIBLE FOR THEIR OWN SAFETY PROGRAM. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR THEIR EMPLOYEES AND SUBCONSULTANTS AT THE CONSTRUCTION SITE, SHALL RELIEVE ANY CONTRACTOR OF THEIR OBLIGATIONS, DUTIES AND RESPONSIBILITIES INCLUDING, BUT NOT 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 THEIR PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH ANY HEALTH OR SAFETY PRECAUTIONS.</div></div></div><div><div>SECTION 2.0 MATERIALS</div><div><div>1.</div><div>ALL MATERIALS INSTALLED WITHIN THE LIMITS OF THIS PROJECT SHALL BE IN CONFORMANCE WITH STANDARD RECOMMENDATIONS OF THE NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION AND AMERICAN NATIONAL STANDARDS INSTITUTE.</div></div><div><div>2.</div><div>JOB SITE MATERIAL WILL BE DELIVERED TO, AND MAINTAINED AT THE STREET WORK AREAS IN A WELL MANAGED MANNER, TO MINIMIZE CONGESTION OR INCONVENIENCE TO OTHER WORKERS, OR CONTRACTORS WORKING UNDER ALTERNATE PERMITS.</div></div></div><div><div>SECTION 3.0 GENERAL NOTES</div><div><div>1.</div><div>THESE NOTES SHALL BE CONSIDERED A PART OF THE WRITTEN SPECIFICATIONS.</div></div><div><div>2.</div><div>THE WORK SHALL INCLUDE FURNISHING MATERIALS, EQUIPMENT, APPURTENANCES AND LABOR NECESSARY TO COMPLETE ALL INSTALLATIONS AS INDICATED ON THE DRAWINGS.</div></div><div><div>3.</div><div>PRIOR TO THE SUBMISSION OF BIDS, THE CONTRACTORS SHALL VISIT THE JOB SITE AND BE RESPONSIBLE FOR ALL CONTRACT DOCUMENTS, FIELD CONDITIONS AND DIMENSIONS, AND CONFIRMING THAT THE WORK MAY BE ACCOMPLISHED AS SHOWN PRIOR TO PROCEEDING WITH CONSTRUCTION. ANY DISCREPANCIES ARE TO BE BROUGHT TO THE ATTENTION OF THE IMPLEMENTATION ENGINEER AND ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK.</div></div><div><div>4.</div><div>THE CONTRACTOR SHALL RECEIVE, IN WRITING, AUTHORIZATION TO PROCEED BEFORE STARTING WORK ON ANY ITEM NOT CLEARLY DEFINED OR IDENTIFIED BY THE CONTRACT DOCUMENTS.</div></div><div><div>5.</div><div>THE CONTRACTOR SHALL INSTALL ALL EQUIPMENT AND MATERIALS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS UNLESS SPECIFICALLY INDICATED OTHERWISE OR WHERE LOCAL CODES OR REGULATIONS TAKE PRECEDENCE.</div></div><div><div>6.</div><div>ALL WORK PERFORMED AND MATERIALS INSTALLED SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS AND ORDINANCES. CONTRACTOR SHALL GIVE ALL NOTICES AND COMPLY WITH ALL LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDERS OF ANY PUBLIC AUTHORITY REGARDING THE PERFORMANCE OF THE WORK. MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MUNICIPAL AND UTILITY COMPANY SPECIFICATIONS, AND LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.</div></div><div><div>7.</div><div>THE GENERAL CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THE BEST SKILLS AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTIONS MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATION ALL PORTION OF THE WORK UNDER THE CONTRACT INCLUDING CONTACT AND COORDINATION WITH THE IMPLEMENTATION ENGINEER AND WITH THE LANDLORD'S AUTHORIZED REPRESENTATIVE.</div></div><div><div>8.</div><div>SEAL PENETRATIONS THROUGH FIRE RATED AREAS WITH U.L. LISTED FIRE CODE APPROVED MATERIALS</div></div><div><div>9.</div><div>PROVIDE A PORTABLE FIRE EXTINGUISHER WITH A RATING OF NOT LESS THAN 2-A OR 2-A10BC WITHIN 75 FEET TRAVEL DISTANCE TO ALL PORTIONS OF THE PROJECT AREA DURING CONSTRUCTION.</div></div><div><div>10.</div><div>DETAILS ARE INTENDED TO SHOW END RESULTS OF DESIGN. MINOR MODIFICATIONS MAY BE REQUIRED TO SUITE JOB DIMENSIONS OR CONDITIONS, AND SUCH MODIFICATIONS SHALL BE INCLUDED AS PART OF THE WORK.</div></div><div><div>11.</div><div>THE CONTRACTOR SHALL MAKE NECESSARY PROVISIONS TO PROTECT EXISTING IMPROVEMENTS, PAVING, CURBS, VEGETATION, GALVANIZED SURFACE, ETC., AND UPON COMPLETION OF WORK REPAIR ANY DAMAGE THAT OCCURRED DURING CONSTRUCTION TO THE SATISFACTION OF OWNER/DEVELOPER AND AFFECTED PROPERTY OWNER.</div></div><div><div>12.</div><div>KEEP GENERAL AREA CLEAN, HAZARD FREE, AND DISPOSE OF ALL DIRT, DEBRIS, RUBBISH AND REMOVE EQUIPMENT NOT SPECIFIED AS REMAINING ON THE PROPERTY. LEAVE PREMISES IN CLEAN CONDITION AND FREE FROM PAINT SPOTS, DUST OR SMUDGES OF ANY NATURE.</div></div><div><div>13.</div><div>REPRESENTATIONS OF TRUE NORTH, OTHER THAN THOSE FOUND ON THE PLOT OF SURVEY DRAWING, SHALL NOT BE USED TO IDENTIFY OR ESTABLISH THE BEARING OF TRUE NORTH AT THE SITE. THE CONTRACTOR SHALL RELY SOLELY ON THE PLAT OF SURVEY DRAWING AND ANY SURVEYOR'S MARKINGS AT THE SITE FOR THE ESTABLISHMENT OF TRUE NORTH, AND SHALL NOTIFY THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH THE WORK. IF ANY DISCREPANCY IS FOUND BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWINGS AND THE TRUE NORTH ORIENTATION AS DEPICTED ON THE CIVIL SURVEY. THE CONTRACTOR SHALL ASSUME SOLE LIABILITY FOR ANY FAILURE TO NOTIFY THE ARCHITECT/ENGINEER.</div></div><div><div>14.</div><div>PENETRATIONS OF ROOF MEMBRANES SHALL BE PATCHED/FLASHED AND MADE WATERTIGHT USING LIKE MATERIALS IN ACCORDANCE WITH NRCA ROOFING STANDARDS AND DETAILS. CONTRACTOR SHALL OBTAIN DETAILING CLARIFICATION FOR SITE-SPECIFIC CONDITIONS FROM ARCHITECT/ENGINEER, IF NECESSARY, BEFORE PROCEEDING. PLANS ARE NOT TO BE SCALED AND ARE INTENDED TO BE A DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE.</div></div><div><div>15.</div><div>PLANS ARE NOT BE SCALED AND ARE INTENDED TO BE DIAGRAMMATIC OUTLINE ONLY, UNLESS NOTED OTHERWISE.</div></div><div><div>16.</div><div>DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALES SHOWN ON THE DRAWING. DIMENSIONS SHOW ARE ESTIMATED AND SHALL BE VERIFIED BY A SURVEYOR OR BY THE CONTRACTOR PRIOR TO CONSTRUCTION.</div></div><div><div>17.</div><div>ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY GENERAL CONTRACTOR WITH LOCAL UTILITY COMPANY, TELEPHONE COMPANY, AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS LOCATION.</div></div><div><div>18.</div><div>CONTRACTOR IS ADVISED TO READ ALL NOTES ON DRAWINGS, CAREFULLY.</div></div><div><div>19.</div><div>CONTRACTOR TO FIELD VERIFY LOCATIONS OF ALL OVERHEAD OBSTRUCTIONS PRIOR TO COMMENCEMENT OF WORK.</div></div><div><div>20.</div><div>THE CONTRACTOR SHALL CONTACT 811 AT 800-252-1166 TO REQUEST LOCATING AND MARKING OF EXISTING UTILITIES PRIOR TO PERFORMING ANY EXCAVATION WORK IN OR AROUND ANY UTILITY. THE CONTRACTOR SHALL OBTAIN ALL PERMITS FOR THE INSTALLATION OF THE NEW UTILITIES AND SHALL COMPLY WITH ALL REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTION OVER THE WORK.</div></div><div><div>21.</div><div>THE CONTRACTOR SHALL VERIFY EXISTING STREET RIGHTS OF WAY TO THE EXTENT NECESSARY TO VERIFY PROPOSED WORK REMAINS WITHIN THESE RIGHTS OF WAY AND DOES NOT INFRINGE ONTO PRIVATE PROPERTY NOT OWNED BY THE OWNER.</div></div><div><div>22.</div><div>ALL DISCREPANCIES SHOULD BE REPORTED TO HBK ENGINEERING, LLC AT 312-432-0076. ANY QUESTIONS OR COMMENTS THE CONTRACTOR MAY HAVE ARE TO BE DISCUSSED WITH THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION COMMENTS.</div></div><div><div>23.</div><div>FURTHER, THE CONTRACTOR SHALL RECORD THE LOCATION/ELEVATION OF ALL UTILITIES ENCOUNTERED AND NEW INSTALLATIONS AS THE WORK PROGRESSES. CONTRACTOR TO PREPARE RECORD DRAWINGS (RED-LINES) BASED ON THEIR RECORDS. THESE RECORDS TO BE SUPPLIED TO HBK ENGINEERING, LLC AND GATEWAY AT COMPLETION OF WORK.</div></div><div><div>24.</div><div>SCALE FOR DRAWINGS IS FOR GENERAL INFORMATION ONLY. LOCATIONS AND DIMENSIONS SHALL BE TAKEN AS SHOWN AND THE DRAWINGS SHALL NOT BE SCALED.</div></div><div><div>25.</div><div>THE CONTRACTOR SHALL HAVE ALL PERMITS ONSITE AND COMPLY WITH THE REQUIREMENTS OF ALL AGENCIES HAVING JURISDICTION OVER THE WORK AND SHALL COORDINATE THEIR WORK WITH THE WORK PERFORMED BY OTHERS.</div></div><div><div>26.</div><div>CONTRACTOR SHALL COORDINATE ALL WORK WITH ALL PUBLIC AND PRIVATE UTILITIES AS WELL AS CITY AND STATE AGENCIES.</div></div><div><div>27.</div><div>CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT UTILITIES, PEDESTRIANS, WORKERS AND VEHICULAR TRAFFIC. THE CONTRACTOR SHALL PROVIDE TEMPORARY FENCES, BARRICADES, ETC. AS REQUIRED TO PROTECT ADJACENT PROPERTY AND THE PUBLIC DURING ALL PHASES OF CONSTRUCTION.</div></div><div><div>28.</div><div>THE CONTRACTOR SHALL INSTALL AND DESIGN WOODEN PASSAGEWAYS TO DIVERT THE GENERAL PUBLIC AROUND THE CONSTRUCTION SITE IN A SAFE AND ORDERLY MANNER, AS REQUIRED.</div></div><div><div>29.</div><div>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.</div></div><div><div>31.</div><div>CONTRACTOR SHALL ASSUME ALL CABLES ARE ENERGIZED AND SHALL BE SUPPORTED SO AS NOT TO STRESS ANY PORTION OF THE CABLE.</div></div><div><div>32.</div><div>CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND PROVIDING REVIEW AND DESIGN OF ANY AND ALL TEMPORARY UTILITY SUPPORT SYSTEMS PRIOR TO CONSTRUCTION.</div></div><div><div>33.</div><div>CONTRACTOR TO TREE TRIM AS NECESSARY AROUND POLES.</div></div><div><div>34.</div><div>MAKE READY INDICATES EXISTING FIBER CABLES NEED ADJUSTMENTS IN ORDER FOR NEW FIBER CABLE TO MEET REQUIRED CODES OR CLEARANCES.</div></div><div><div>35.</div><div>INSTALL A 50' SLACK MAINTENANCE LOOP EVERY 1000' AT STRATEGIC LOCATIONS TO BE DETERMINED IN THE FIELD PRIORITIZING LOCATIONS NEAR MAJOR ROAD CROSSING, WATERWAYS AND RAILROAD CROSSINGS.</div></div><div><div>36.</div><div>CONTRACTOR TO INSTALL FIBER IN GENERAL UTILITY EASEMENTS ONLY. FIBER LINES MAY CROSS, BUT NO STRUCTURES TO BE PLACED WITHIN SANITARY SEWER, GAS PIPELINE, WATER, DRAINAGE, OR MUTUAL ACCESS EASEMENTS.</div></div><div><div>37.</div><div>OUTDOOR CABINETS SHALL BE GROUNDED PER THE MANUFACTURER'S RECOMMENDATIONS AND PER ANSI/TIA-607B OR LATEST STANDARD.</div></div><div><div>38.</div><div>CONTRACTOR TO REFERENCE GATEWAY FIBER OPERATIONS HANDBOOK MOST RECENT REVISION FOR CONSTRUCTION SPECIFICATIONS.</div></div><div><div>39.</div><div>THE CONTRACTOR SHALL FIELD VERIFY EXISTING UTILITIES IN THE FIELD AND CALL 811 PRIOR TO PERFORMING ANY WORK.</div></div><div><div>40.</div><div>EXISTING UTILITIES SHOWN REPRESENT ASCE QUALITY LEVEL D STANDARDS BASED ON AVAILABLE ATLAS DATA AT THE TIME.</div></div><div><div>41.</div><div>SHADED SECTION REPRESENTS STRUCTURES PROPOSED UNDER A SEPARATE COVER.</div></div><div><div>42.</div><div>NO WATER SHALL BE TAKEN FROM HYDRANTS WITHOUT RPZMETER FROM THE CITY UTILITY DEPARTMENT WITH DEPOSIT.</div></div><div><div>43.</div><div>NO FLOWERPOT OR HANDHOLE SHALL BE PLACED OVER STORM SEWER RUNS.</div></div><div><div>44.</div><div>MAINTAIN 10' SEPARATION FROM SANITARY AND STORM STRUCTURES AND WATERMAIN GATE VALVES.</div></div><div><div>45.</div><div>FLOWERPOT LOCATIONS SHOWN IN PRIVATE PROPERTY FOR CONTRACTOR REFERENCE ONLY. NO INSTALLATIONS ARE TO OCCUR WITHIN PRIVATE PROPERTY.</div></div><div><div>46.</div><div>RIGHT OF WAY DIMENSIONS ARE FOR CONTRACTOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ALL EXISTING RIGHT OF WAY ON SITE.</div></div></div></div> <div><div>FIBERHOOD:</div><div>BLAN-MN-02-C2</div></div> <div><div>ENGINEER:</div><div><div><div>UTILITY INFRASTRUCTURE SOLUTIONS</div><div><div>hbk</div><div>ENGINEERING</div></div><div>A QUANTA SERVICES COMPANY</div></div><div>921 WEST VAN BUREN, SUITE 100 CHICAGO, IL 60607 PHONE: (312) 432-0076 FAX: (312) 432-0231 STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL REGULATION, LICENSE NO. 184-002308</div></div></div> <div><div>OWNER/DEVELOPER:</div><div><div><div><div></div><div>gatewayfiber</div></div><div>275 WEST SERVICE RD SUITE O WRIGHT CITY, MO 63390</div></div></div></div> <div><div>TITLE:</div><div>PROPOSED FIBER - OPTIC INSTALLATION - CIVIL DESIGN 125TH AVE NE & RADISSON RD NE BLAINE, MN</div></div> <div><div>REVISIONS</div><table><thead><tr><th>REV</th><th>DATE</th><th>DESCRIPTION</th><th>BY</th></tr></thead><tbody><tr><td>00</td><td>04/15/2025</td><td>FOR PERMIT</td><td>KER</td></tr><tr><td>01</td><td></td><td></td><td></td></tr><tr><td>02</td><td></td><td></td><td></td></tr><tr><td>03</td><td></td><td></td><td></td></tr><tr><td>04</td><td></td><td></td><td></td></tr><tr><td>05</td><td></td><td></td><td></td></tr><tr><td>06</td><td></td><td></td><td></td></tr><tr><td>07</td><td></td><td></td><td></td></tr><tr><td>08</td><td></td><td></td><td></td></tr><tr><td>09</td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td></tr><tr><td>11</td><td></td><td></td><td></td></tr></tbody></table></div> <div><div><div>DRAWN BY:</div><div>CHECKED BY:</div><div>APPROVED BY:</div></div><div><div>KER</div><div>AJR</div><div>AJR</div></div></div> <div><div>PROJECT NUMBER:</div><div>24-0172</div></div> <div><div>DATE DRAWN:</div><div>04/15/2025</div></div> <div><div>SHEET:</div><div>A2</div></div>			REV	DATE	DESCRIPTION	BY	00	04/15/2025	FOR PERMIT	KER	01				02				03				04				05				06				07				08				09				10				11			
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HBK Engineering
Sheet: B1 of B13
County: Anoka
BLAN-MN-02-C2
As of: 4/10/2025

Legend

Parcels - Anoka County

Civil Structures

FlowerPot

Handhole

Civil Pathway

Proposed,BM60(1)
(1.25)

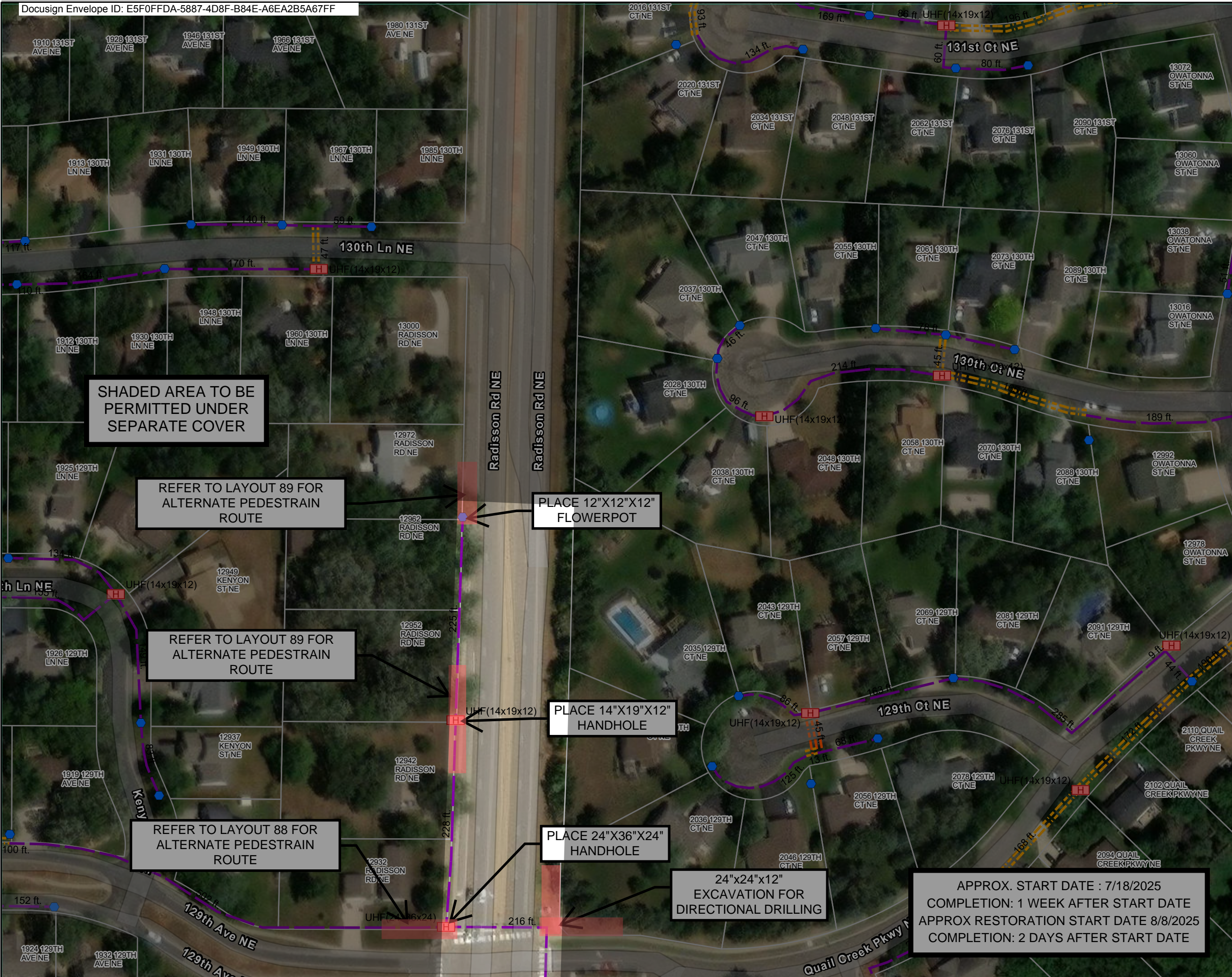
Proposed,BM60(2)
(1.25)

Proposed,BM60(3)
(1.25)

Proposed Work Location

Scale: 1" = 100 ft

N



HBK Engineering
Sheet: B2 of B13
County: Anoka
BLAN-MN-02-C2
As of: 4/10/2025

Legend

- Parcels - Anoka County
- Civil Structures**
 - FlowerPot
 - Handhole
- Civil Pathway**
 - Proposed,BM60(1) (1.25)
 - Proposed,BM60(2) (1.25)
 - Proposed,BM60(3) (1.25)
 - Proposed Work Location

Scale: 1" = 100 ft

N

Quail Creek

gatewayfiber

Legend

☐ Parcels - Anoka County

Civil Structures


- FlowerPot

H Handhole

Civil Pathway

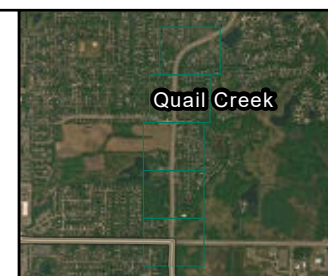
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(1.25)

Proposed, BM60(2)
(1.25)

 Proposed, BM60(3)
(1.25)

Proposed Work Location

Scale: 1" = 100 ft



SHADED AREA TO BE
PERMITTED UNDER
SEPARATE COVER

REFER TO LAYOUT 88 FOR
ALTERNATE PEDESTRAIN
ROUTE

PLACE 24"X36"X24"
HANDHOLE

PLACE 12"X12"X12"
FLOWERPOT

PLACE 17"X30"X24"
HANDHOLE

PLACE 12"X12"X12"
FLOWERPOT

PLACE 24"X36"X24"
HANDHOLE

PLACE 12"X12"X12"
FLOWERPOT

PLACE 12"X12"X12"
FLOWERPOT

PLACE 12"X12"X12"
FLOWERPOT

REFER TO LAYOUT 89 FOR
ALTERNATE PEDESTRAIN
ROUTE

REFER TO LAYOUT 89 FOR
ALTERNATE PEDESTRAIN
ROUTE

APPROX. START DATE : 6/20/2025
COMPLETION: 1 WEEK AFTER START DATE
APPROX RESTORATION START DATE 7/11/2025
COMPLETION: 2 DAYS AFTER START DATE

REFER TO LAYOUT 89 FOR
ALTERNATE PEDESTRAIN
ROUTE

PLACE 24"X36"X24"
HANDHOLE

SHADED AREA TO BE
PERMITTED UNDER
SEPARATE COVER

PLACE 17"X30"X24"
HANDHOLE

PLACE 24"X36"X24"
HANDHOLE

PLACE 12"X12"X12"
FLOWERPOT

APPROX. START DATE : 6/20/2025
COMPLETION: 1 WEEK AFTER START DATE
APPROX RESTORATION START DATE 7/11/2025
COMPLETION: 2 DAYS AFTER START DATE

HBK Engineering
Sheet: B4 of B13
County: Anoka
BLAN-MN-02-C2
As of: 4/10/2025

Legend

Parcels - Anoka County

Civil Structures

FlowerPot

Handhole

Civil Pathway

Proposed,BM60(1)
(1.25)

Proposed,BM60(2)
(1.25)

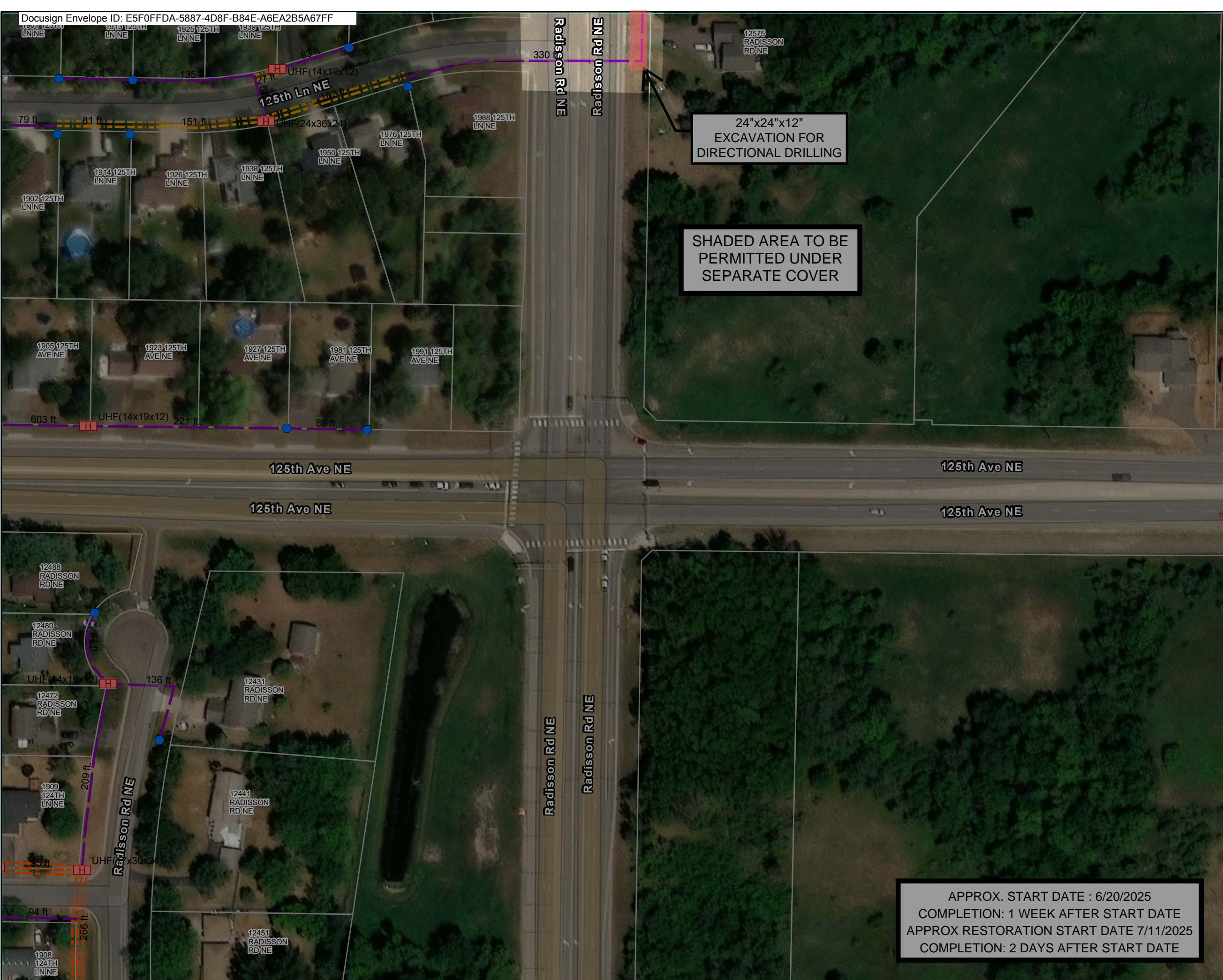
Proposed,BM60(3)
(1.25)

Proposed Work
Location

Scale: 1" = 100 ft

N

Quail Creek



HBK Engineering

Sheet: B5 of B13

County: Anoka

BLAN-MN-02-C2

As of: 4/10/2025

Legend

☐ Parcels - Anoka County

Civil Structures

FlowerPot

H Handhole

Civil Pathway

— Proposed, BM60(1)
(1.25)

Proposed, BM60(2)
(1.25)

Proposed, BM60(3)
(1.25)

Proposed Work Location

Scale: 1" = 100 ft



Legend

Parcels - Anoka County

Cabinet

Civil Structures

FlowerPot

Handhole

Civil Pathway

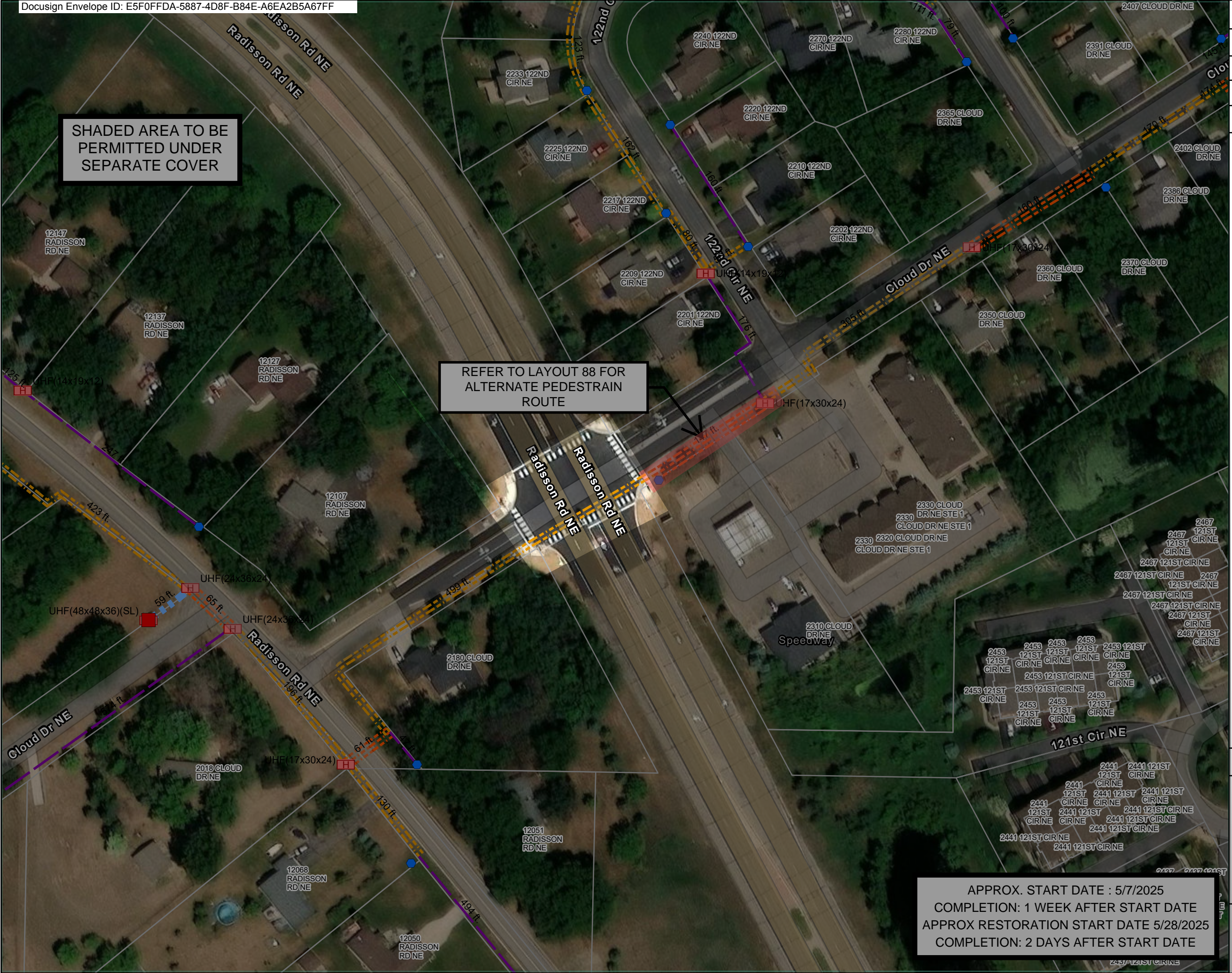
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Proposed,BM60(2)
(1.25)

Proposed,BM60(3)
(1.25)

Proposed,BM60(5)
(1.25)

Proposed Work
Location



Scale: 1" = 100 ft

N

gatewayfiber

HBK Engineering
Sheet: B7 of B13
County: Anoka
BLAN-MN-02-C2
As of: 4/10/2025

Legend

Parcels - Anoka County

Civil Structures

H

Handhole

Civil Pathway

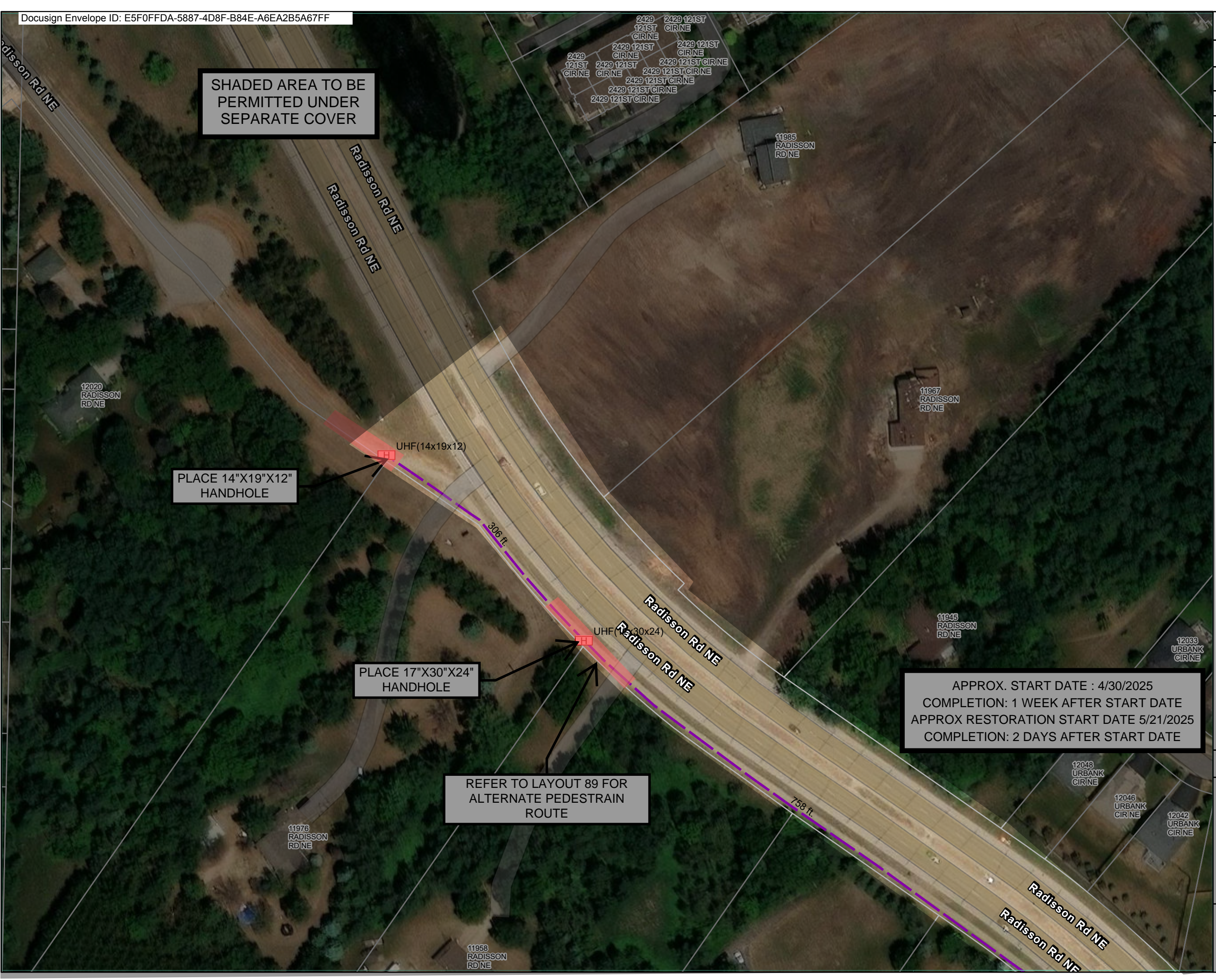
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Proposed Work
Location

APPROX. START DATE : 4/30/2025
COMPLETION: 1 WEEK AFTER START DATE
APPROX RESTORATION START DATE 5/21/2025
COMPLETION: 2 DAYS AFTER START DATE

Scale: 1" = 100 ft

N



HBK Engineering

Sheet: B8 of B13

County: Anoka

BLAN-MN-02-C2

As of: 4/10/2025

Legend

☐ Parcels - Anoka County

Civil Structures


 FlowerPot

H Handhole

Civil Pathway

Proposed, BM60(1)
(1.25)

- Proposed, BM60(2)
(1.25)

 Proposed, BM60(3)
(1.25)

- Proposed, BM60(4)
(1.25)

Proposed Work
Location

SHADED AREA TO BE
PERMITTED UNDER
SEPARATE COVER

REFER TO LAYOUT 89 FOR
ALTERNATE PEDESTRIAN
ROUTE

PLACE 17"X30"X24"
HANDHOLE

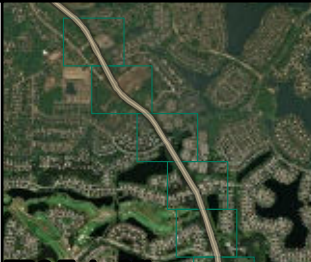
PLACE 17"X30"X24"
HANDHOLE

PLACE 24"X36"X2
HANDHOLE

REFER TO LAYOUT 88 FOR
ALTERNATE PEDESTRIAN
ROUTE

APPROX. START DATE : 4/30/2025
COMPLETION: 1 WEEK AFTER START DATE
APPROX RESTORATION START DATE 5/21/2025
COMPLETION: 2 DAYS AFTER START DATE

Scale: 1" = 100 ft



HBK Engineering

Sheet: B9 of B13

County: Anoka

BLAN-MN-02-C2

As of: 4/10/2025

Legend

☐ Parcels - Anoka County

Civil Structures


 FlowerPot

H Handhole

Civil Pathway

Proposed, BM60(1)
(1.25)

Proposed, BM60(2)
(1.25)

 Proposed, BM60(3)
(1.25)

Proposed Work Location

SHADED AREA TO BE
PERMITTED UNDER
SEPARATE COVER

PLACE 24"X36"X24"
HANDHOLE

PLACE 24"X36"X24"
HANDHOLE

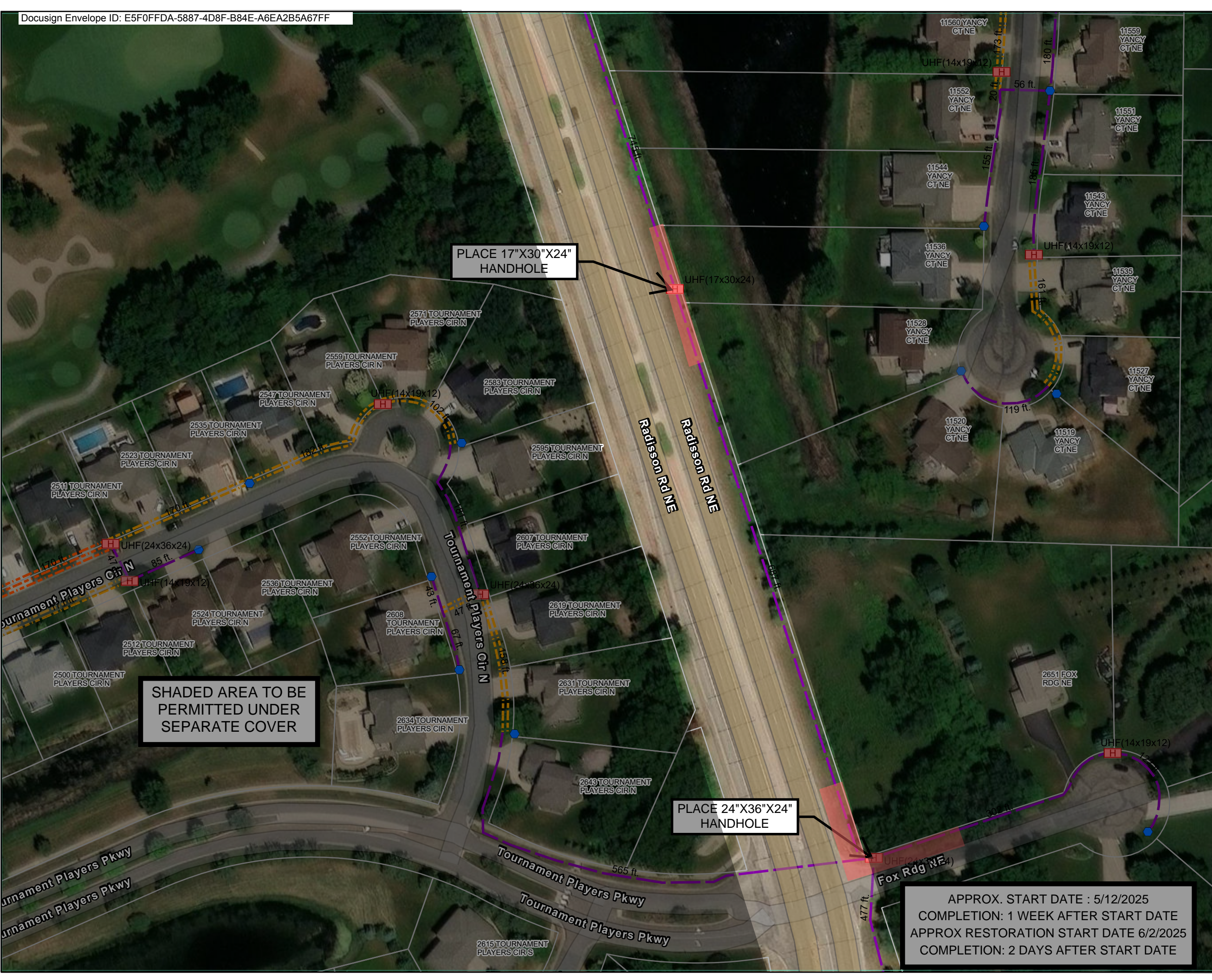
Scale: 1" = 100 ft



PC Twin Cities

APPROX. START DATE : 4/30/2025
COMPLETION: 1 WEEK AFTER START DATE
APPROX RESTORATION START DATE 5/21/2025
COMPLETION: 2 DAYS AFTER START DATE





HBK Engineering
Sheet: B10 of B13
County: Anoka
BLAN-MN-02-C2
As of: 4/10/2025

Legend

Parcels - Anoka County

Civil Structures

FlowerPot

Handhole

Civil Pathway

Proposed,BM60(1)
(1.25)

Proposed,BM60(2)
(1.25)

Proposed,BM60(3)
(1.25)

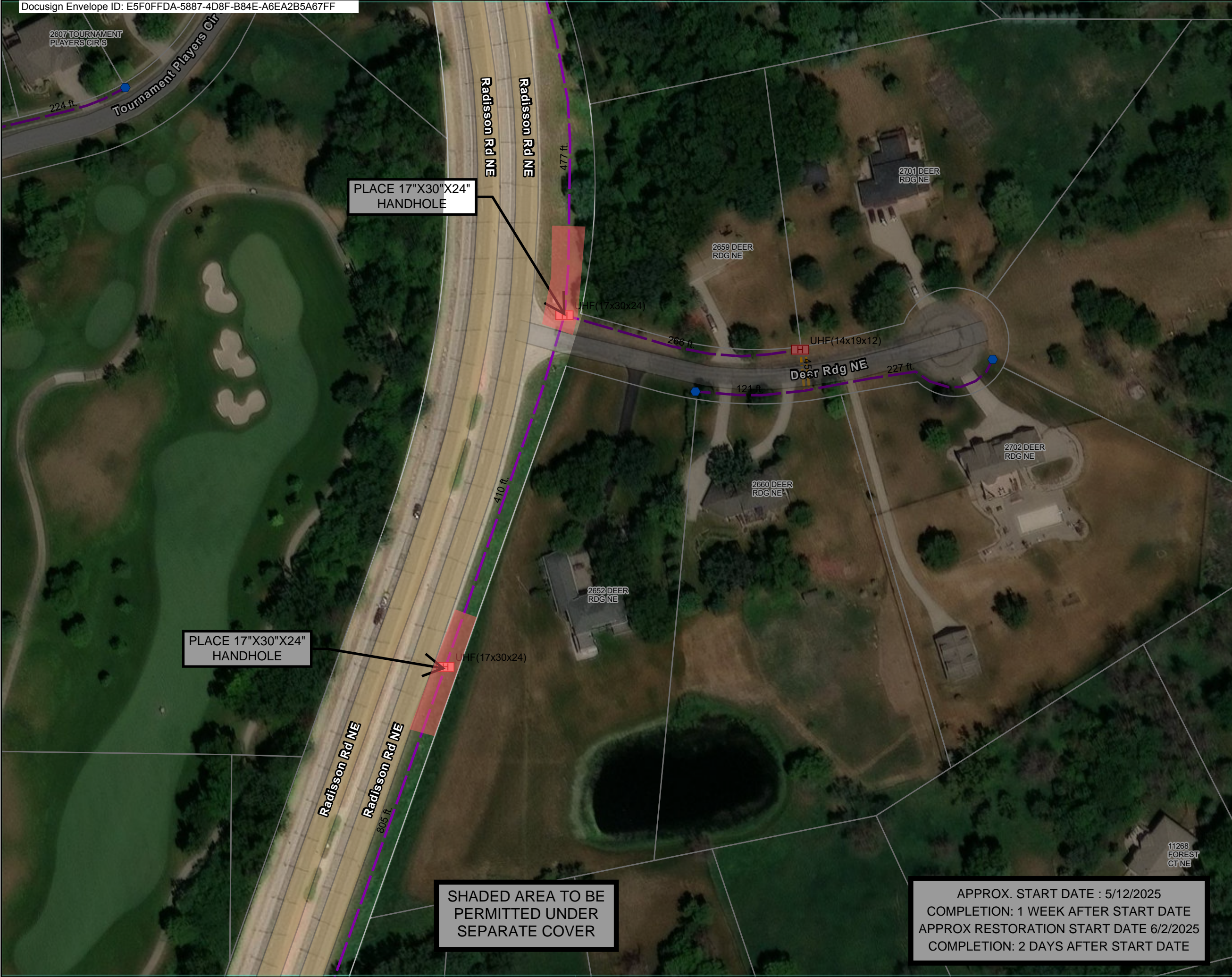
Proposed Work
Location

Scale: 1" = 100 ft

N

Twin Cities

APPROX. START DATE : 5/12/2025
COMPLETION: 1 WEEK AFTER START DATE
APPROX RESTORATION START DATE 6/2/2025
COMPLETION: 2 DAYS AFTER START DATE



HBK Engineering
Sheet: B11 of B13
County: Anoka
BLAN-MN-02-C2
As of: 4/10/2025

Legend

Parcels - Anoka County

Civil Structures

●

FlowerPot

■

Handhole

Civil Pathway

Proposed,BM60(1)
(1.25)

Proposed,BM60(2)
(1.25)

■

Proposed Work Location

Scale: 1" = 100 ft

N

gatewayfiber

APPROX. START DATE : 5/12/2025
COMPLETION: 1 WEEK AFTER START DATE
APPROX RESTORATION START DATE 6/2/2025
COMPLETION: 2 DAYS AFTER START DATE

Legend

Parcels - Anoka County

Civil Structures

FlowerPot

Handhole

Civil Pathway

Proposed,BM60(1)
(1.25)

Proposed,BM60(2)
(1.25)

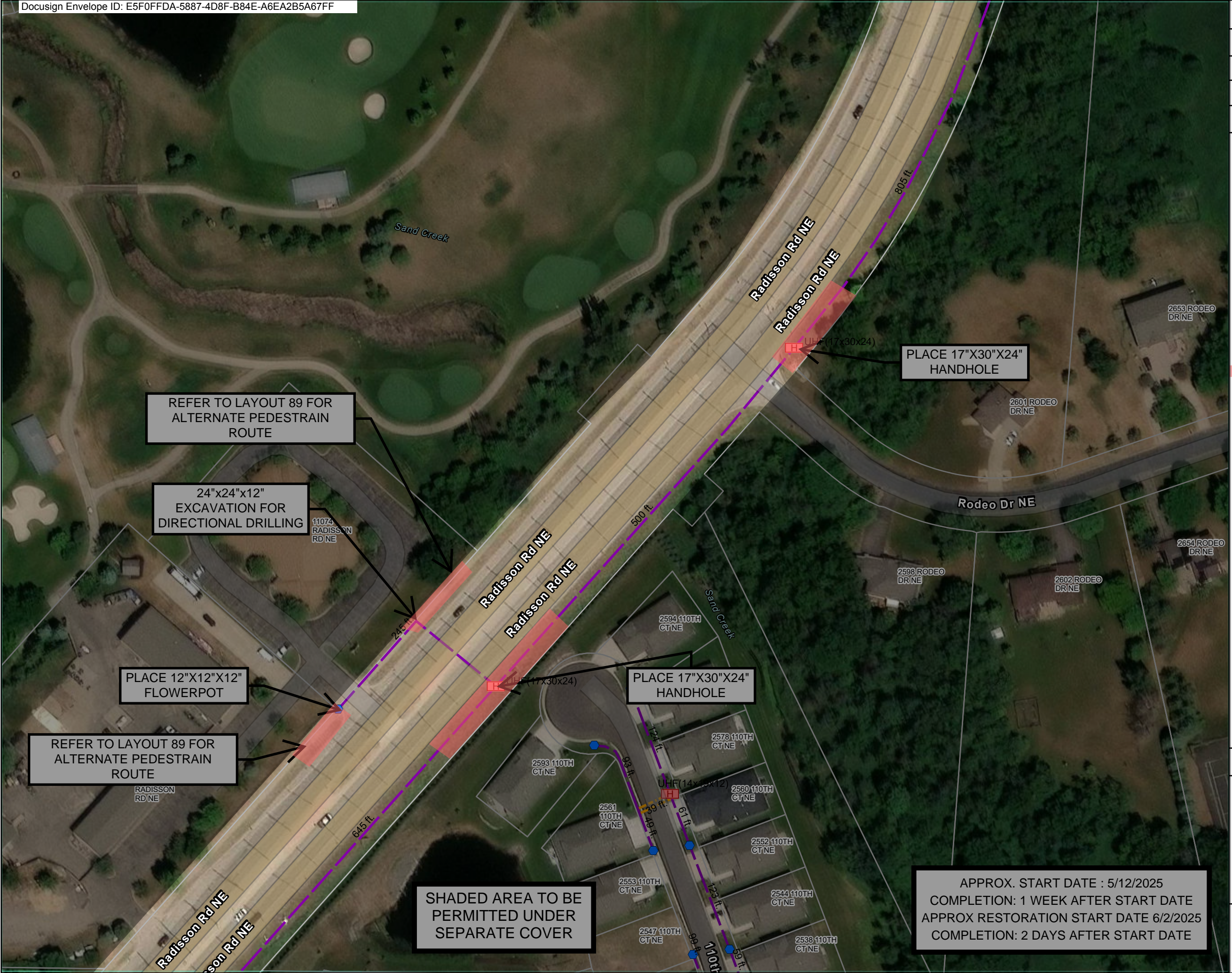
Proposed Work Location

Scale: 1" = 100 ft

N

© Twin Cities

gatewayfiber



SHADED AREA TO BE
PERMITTED UNDER
SEPARATE COVER

REFER TO LAYOUT 89 FOR
ALTERNATE PEDESTRAIN
ROUTE

PLACE 24"X36"X24"
HANDHOLE

PLACE 17"X30"X24"
HANDHOLE

APPROX. START DATE : 5/12/2025
COMPLETION: 1 WEEK AFTER START DATE
APPROX RESTORATION START DATE 6/2/2025
COMPLETION: 2 DAYS AFTER START DATE

HBK Engineering
Sheet: B13 of B13
County: Anoka
BLAN-MN-02-C2
As of: 4/10/2025

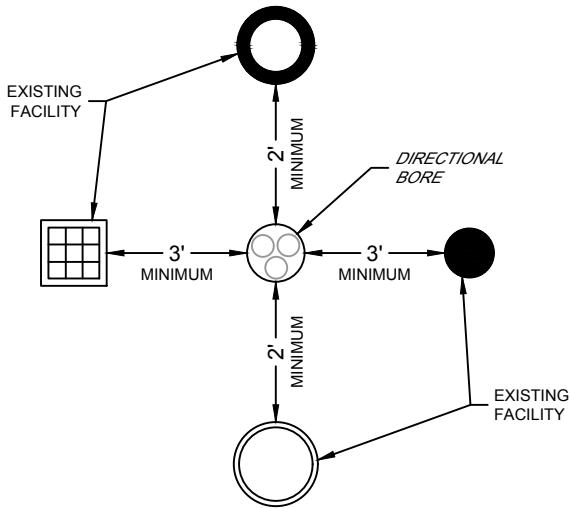
Legend

- Parcels - Anoka County
- Civil Structures**
 - FlowerPot
 - Handhole
- Civil Pathway**
 - Proposed,BM60(1)
(1.25)
 - Proposed,BM60(2)
(1.25)
 - Proposed,BM60(3)
(1.25)
 - Proposed Work
Location

Scale: 1" = 100 ft



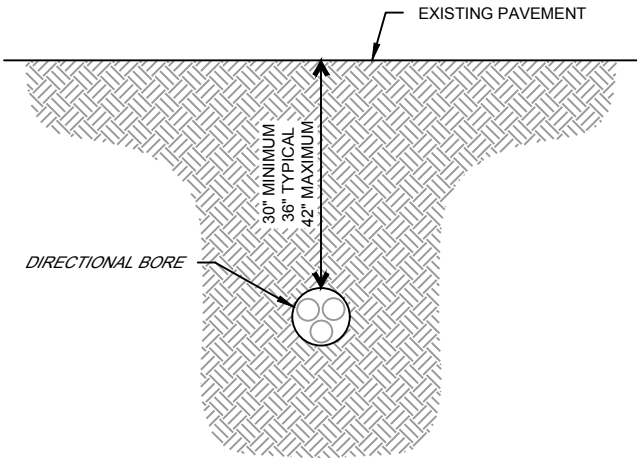
DETAILS



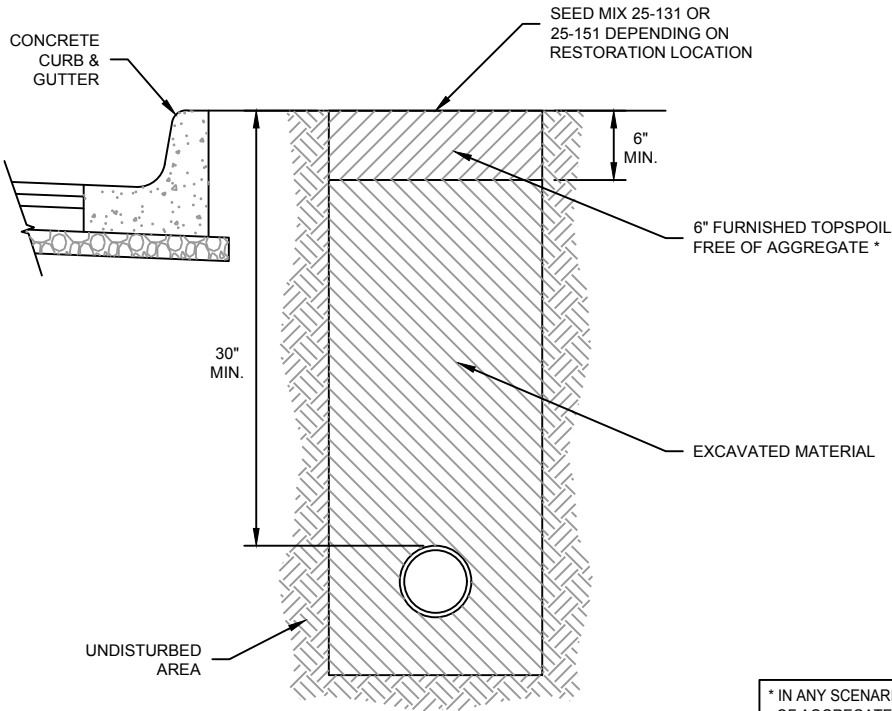
MAINTAIN A MINIMUM OF AT LEAST 3 FEET OF HORIZONTAL SEPARATION AND 2 FEET VERTICAL SEPARATION BETWEEN DIRECTIONAL BORE AND ALL EXISTING FACILITIES.

CONTRACTOR TO MAINTAIN 10' FROM SANITARY, STORM, LIGHT POLE STRUCTURES AND WATERMAIN GATE VALVES WHEN POSSIBLE.

UTILITY SEPARATION DETAIL



DIRECTIONAL BORING DETAIL



RESTORATION DETAIL

* IN ANY SCENARIO TOP 6" FREE OF AGGREGATE OR FURNISHED TOPSOIL 6"



Duralite®

1730

Material & Style

Composite
Straight Wall

1730-12

ANSI/SCTE-77, Tier 15
28.5 lbs
ANSI/SCTE-77, Tier 22
31.3 lbs

1730-18

ANSI/SCTE-77, Tier 15
36.2 lbs
ANSI/SCTE-77, Tier 22
41.3 lbs

1730-18

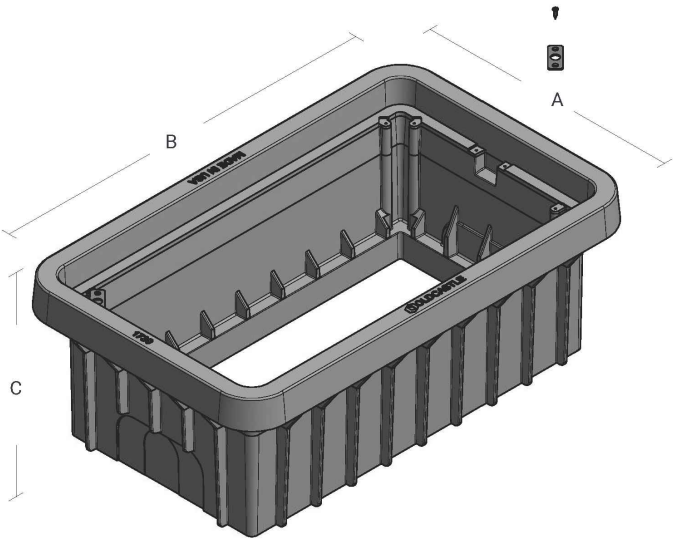
ANSI/SCTE-77, Tier 15
41 lbs
ANSI/SCTE-77, Tier 22
41 lbs

Options

Mouseholes/Knockouts

- Medium Duty
ANSI/SCTE TIER 15
- Heavy Duty
ANSI/SCTE TIER 22

For use in non-vehicular traffic situations only. Weights and dimensions may vary slightly. Actual load rating is determined by the box and cover combination.



	A	B	C
1730-12	20 1/2"	33 1/2"	12"
1730-18	20 1/2"	33 1/2"	18"
1730-24	20 1/2"	33 1/2"	24"

Cover comes standard with permanent markings for manufacturer, load rating, model size and manufacturing location. Based upon lid and body combination, this unit can be Tier 15 or Tier 22. T22 rating when paired with T22 polymer concrete lid.

Revision 04/2023

oldcastleinfrastructure.com
(888) 965-3227

Trusted partnerships. Full scale solutions.

FIBERHOOD:
BLAN-MN-02-C2

ENGINEER:
hbk
UTILITY
INFRASTRUCTURE
SOLUTIONS
ENGINEERING
A QUANTA SERVICES COMPANY
921 WEST VAN BUREN, SUITE 100
CHICAGO, IL 60607
PHONE: (312) 432-0076 FAX: (312) 432-6231
STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL
REGULATION, LICENSE NO. 184-002308

OWNER/DEVELOPER:
gatewayfiber
275 WEST SERVICE RD
SUITE O
WRIGHT CITY, MO 63390

TITLE:
PROPOSED FIBER - OPTIC
INSTALLATION - CIVIL DESIGN
125TH AVE NE & RADISSON RD
NE
BLAINE, MN

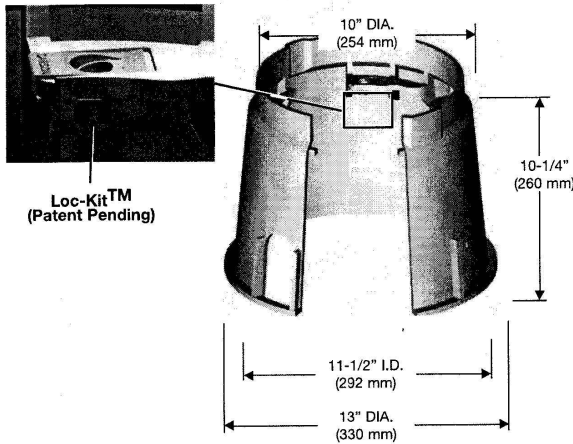
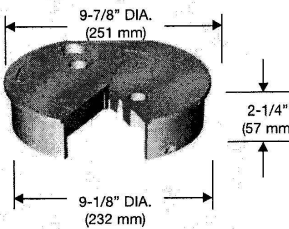
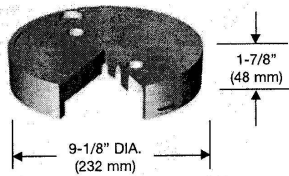
REVISIONS			
REV	DATE	DESCRIPTION	BY
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08			
09			
10			
11			

DRAWN BY:	CHECKED BY:	APPROVED BY:
KER	AJR	AJR

PROJECT NUMBER:	24-0172
DATE DRAWN:	04/15/2025

SHEET:
C1

DETAILS



Back to Table of Contents

L Series 910

Light Duty

Flush Cover
Material: HDPE
Weight: 1.5 lbs.
Model: 910-3 No Bolt
910-3B Bolt Down

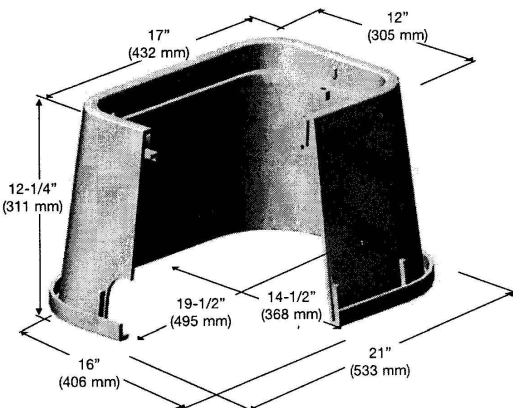
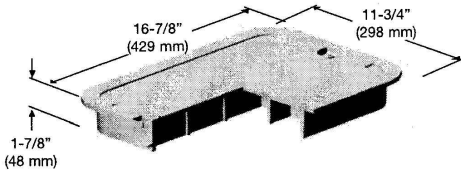
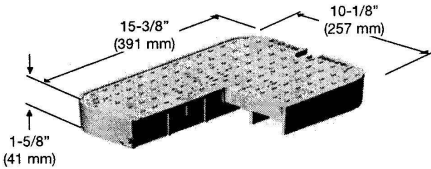
T-Cover
Material: HDPE
Weight: 1.5 lbs.
Model: 910-4 No Bolt
910-4B Bolt Down

Body
Material: HDPE
Weight: 3.0 lbs.
Model: 910-10

Colors Available
Green, Grey, Black, Tan or Violet

Note: For use in non-vehicular traffic situations only. We do not recommend installation in concrete or asphalt. Weights and dimensions may vary slightly.

Revision Date 4/2003
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Back to Table of Contents

L Series 1419-12

Light Duty

Flush Cover
Material: HDPE
Weight: 3.0 lbs.
Model: 1419-3 No Bolt
1419-3B Bolt Down
See **OPTION SECTION:**
- Hinged Cover

T-Cover
Material: HDPE
Weight: 3.0 lbs.
Model: 1419-4 No Bolt
1419-4B Bolt Down
See **OPTION SECTION:**
- Meter reader cover

Body
Material: HDPE
Weight: 7.0 lbs.
Model: 1419-12
See **OPTION SECTION:**
- Slots

Colors Available
Green, Gray, Black, Tan or Violet

Note: For use in non-vehicular traffic situations only. We do not recommend installation in concrete or asphalt. Weights and dimensions may vary slightly.

Revision Date 4/2003
©2008 Oldcastle Precast, Inc.

FIBERHOOD:
BLAN-MN-02-C2

ENGINEER:
hbk
UTILITY INFRASTRUCTURE SOLUTIONS
A QUANTA SERVICES COMPANY
921 WEST VAN BUREN, SUITE 100
CHICAGO, IL 60607
PHONE: (312) 432-0076 FAX: (312) 432-6231
STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL REGULATION, LICENSE NO. 184-002308

OWNER/DEVELOPER:
gatewayfiber
275 WEST SERVICE RD
SUITE O
WRIGHT CITY, MO 63390

TITLE:
**PROPOSED FIBER - OPTIC
INSTALLATION - CIVIL DESIGN
125TH AVE NE & RADISSON RD
NE
BLAINE, MN**

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REV	DATE	DESCRIPTION	BY
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DRAWN BY:	CHECKED BY:	APPROVED BY:
KER	AJR	AJR

PROJECT NUMBER:	24-0172
DATE DRAWN:	04/15/2025

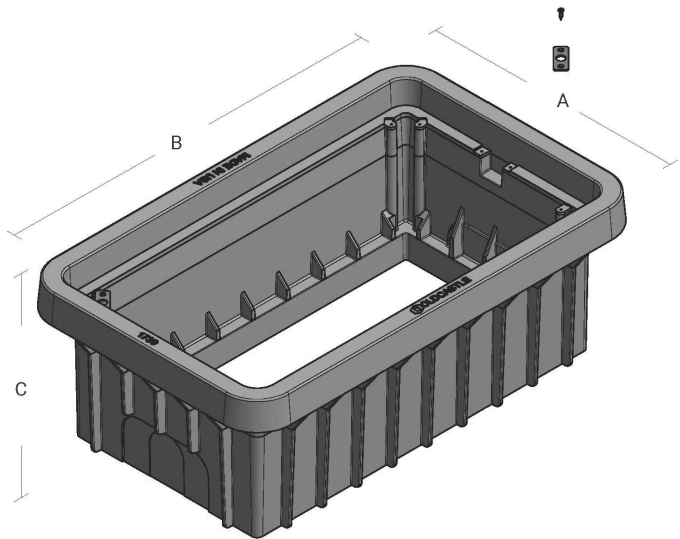
SHEET:
C2

DETAILS



Duralite®

1730



Material & Style

Composite
Straight Wall

1730-12

ANSI/SCTE-77, Tier 15
28.5 lbs
ANSI/SCTE-77, Tier 22
31.3 lbs

1730-18

ANSI/SCTE-77, Tier 15
36.2 lbs
ANSI/SCTE-77, Tier 22
41.3 lbs

1730-18

ANSI/SCTE-77, Tier 15
41 lbs
ANSI/SCTE-77, Tier 22
41 lbs

Options

Mouseholes/Knockouts

	A	B	C
1730-12	20 1/2"	33 1/2"	12"
1730-18	20 1/2"	33 1/2"	18"
1730-24	20 1/2"	33 1/2"	24"

Cover comes standard with permanent markings for manufacturer, load rating, model size and manufacturing location. Based upon lid and body combination, this unit can be Tier 15 or Tier 22. T22 rating when paired with T22 polymer concrete lid.

Revision 04/2023

oldcastleinfrastructure.com
(888) 965-3227

Trusted partnerships. Full scale solutions.



Medium Duty
ANSI/SCTE TIER 15



Heavy Duty
ANSI/SCTE TIER 22

For use in non-vehicular traffic situations only. Weights and dimensions may vary slightly. Actual load rating is determined by the box and cover combination.

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PROJECT NUMBER:	24-0172
DATE DRAWN:	04/15/2025

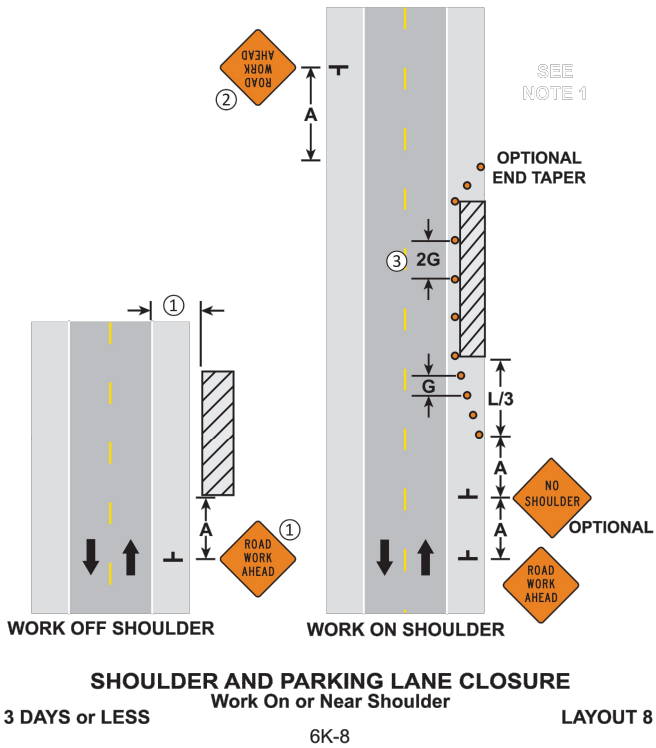
SHEET:
C3

DETAILS

Field Manual January 2018

NOTES:

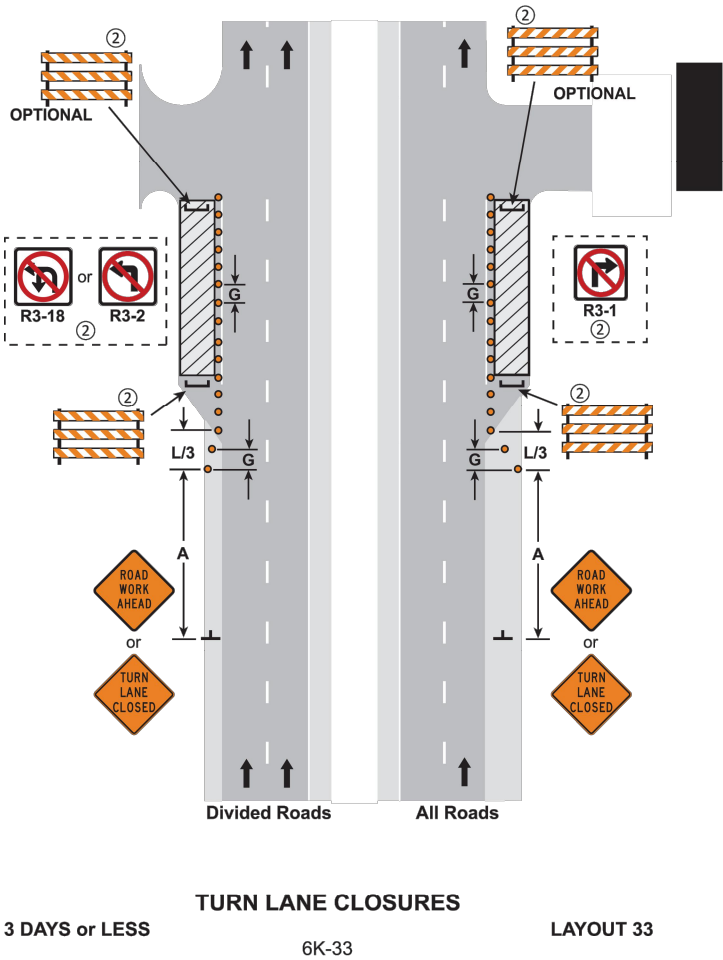
- ① The ROAD WORK AHEAD sign may be omitted for short term daylight operations if a vehicle is displaying and operating a 360-degree flashing beacon and:
 - a. The distance from curb face to the work space is at least 2 feet, or
 - b. The distance from the edge of the roadway to the work space is at least 15 feet.
- ② This ROAD WORK AHEAD sign shall be installed on two-lane, two-way roads if traffic control devices are installed for a work space in the opposite shoulder.
- ③ If this layout is used to close a parking lane that is normally open to vehicle travel during the time of day the closure will be in effect, the lane shall be considered a traveled lane and not a parking lane. Layout 42 shall be used to provide traffic control for the lane closure.
4. If this layout is used to close a parking lane, channelizer spacing may be reduced from 2G to G in high volume areas.



Field Manual January 2018

NOTES:

1. Contact the appropriate road authority for signal timing modifications before beginning work at any signalized intersection.
- ② Optional R3-1, R3-2, or R3-18 signs may be placed on sign stand or top of barricades on side closest to traffic. Signs are required if turns are prohibited.



FIBERHOOD:

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ENGINEER:

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INFRASTRUCTURE
SOLUTIONS
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PROJECT NUMBER:	24-0172
DATE DRAWN:	04/15/2025

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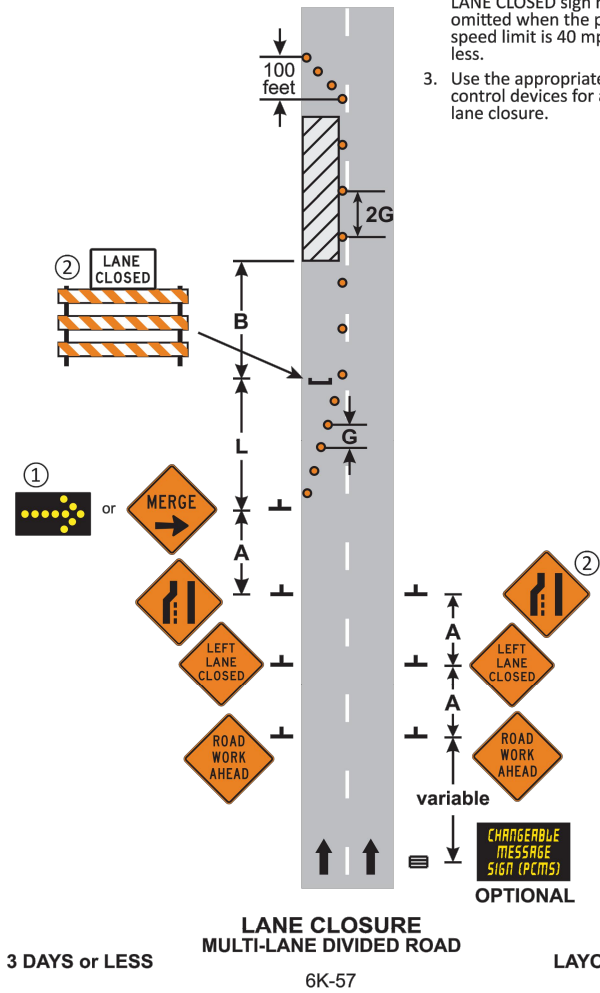
C4

DETAILS

Field Manual January 2018

NOTES:

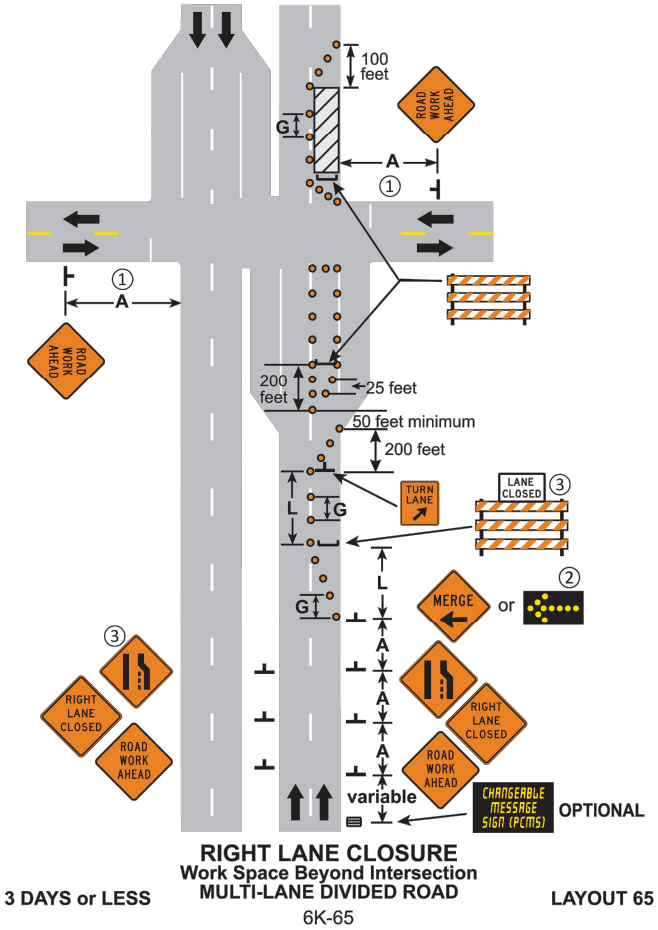
- ① The Flashing Arrow Board shall be used where the posted speed limit is 45 mph or greater, and shall be placed on the shoulder. If there is no shoulder, or the shoulder is too narrow, place at the end of the taper in lieu of the Type III barricade assembly.
- ② The Lane Ends sign and/or LANE CLOSED sign may be omitted when the posted speed limit is 40 mph or less.
3. Use the appropriate traffic control devices for a right lane closure.



Field Manual January 2018

NOTES:

- ① Use the appropriate advance warning sign spacing for the speed on the cross road.
- ② The Flashing Arrow Board shall be used where the posted speed limit is 45 mph or greater, and shall be placed on the shoulder. If there is no shoulder, or the shoulder is too narrow, place at the end of the taper in lieu of the Type III barricade assembly.
- ③ The LANE CLOSED and/or the Lane Ends sign may be omitted when the posted speed limit is 40 mph or less.



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ENGINEER:
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PHONE: (312) 432-0076 FAX: (312) 432-0231
STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL REGULATION, LICENSE NO. 184-002308

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PROJECT NUMBER:	24-0172
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SHEET:
C5

DETAILS

Field Manual

January 2018

NOTES:

1. When crosswalks, sidewalks, or other pedestrian facilities are blocked, closed, or relocated, temporary facilities shall include accessibility features consistent with the features present in the existing pedestrian facility.
2. When a sidewalk is closed but workers are present to halt operations and provide safe passage through the work site, the devices shown are not required. Pedestrians may be delayed for a short period of time for project personnel to move equipment and material to facilitate passage. Project personnel may also assist pedestrians in navigating the work zone.
3. The examples show only key typical dimensions. Refer to the MnDOT [Pedestrian Accommodations Through Work Zones website \(http://www.dot.state.mn.us/trafficeng/workzone/apr.html\)](http://www.dot.state.mn.us/trafficeng/workzone/apr.html) for standards, guidance, and options when blocking, closing, or relocating pedestrian facilities.
4. Only traffic control devices controlling pedestrian flows are shown. Other devices may be needed to control traffic on the streets.
- ⑤ An approved audible message device or tactile message should be provided for sight-impaired pedestrians. When used, a message device should provide a complete physical description of the temporary pedestrian detour including duration, length of (and/or distance to) the by-pass, any restrictions or hazards, and project information. The number and location of devices should be determined for each project prior to starting work. Devices may be placed prior to sidewalk work to warn regular users of the planned work.
- ⑥ The International Symbol of Accessibility should be displayed when any walkway through a work zone has been determined to be TPAR compliant. The Symbol of Accessibility shall not be displayed if the detour is not fully accessible.
7. Pedestrian traffic signal displays controlling closed crosswalks shall be covered.
8. Pedestrian detour trailblazing signs should be used if the pedestrian detour is located someplace other than across the street from the sidewalk closure.
9. Place signs and barricades in such a way as to minimize hazard to pedestrians from walking into signs. If not possible, protect with detectable edges and/or channelizing devices.

ALTERNATE PEDESTRIAN ROUTE
CROSSWALK CLOSURES AND PEDESTRIAN DETOURS

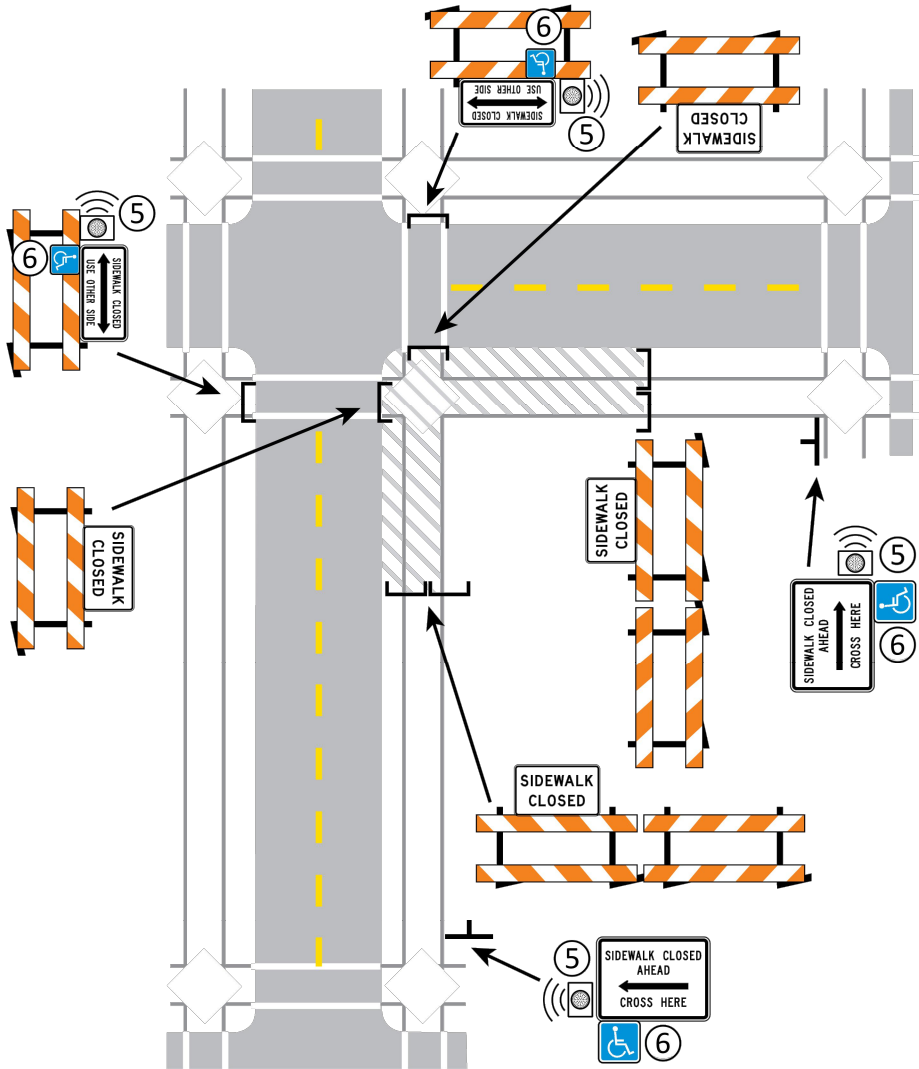
3 DAYS or LESS

LAYOUT 88a
6K-88a

LAYOUT 88a & b

Field Manual

January 2018



ALTERNATE PEDESTRIAN ROUTE
CROSSWALK CLOSURES AND PEDESTRIAN DETOURS

3 DAYS or LESS

LAYOUT 88b
6K-88b

LAYOUT 88a & b

FIBERHOOD:

BLAN-MN-02-C2

ENGINEER:

UTILITY
INFRASTRUCTURE
SOLUTIONS
hbk
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921 WEST VAN BUREN, SUITE 100
CHICAGO, IL 60607
PHONE: (312) 432-0076 FAX: (312) 432-6231
STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL
REGULATION, LICENSE NO. 184-002308

OWNER/DEVELOPER:

gatewayfiber
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WRIGHT CITY, MO 63390

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C6

DETAILS

Field Manual

January 2018

NOTES:

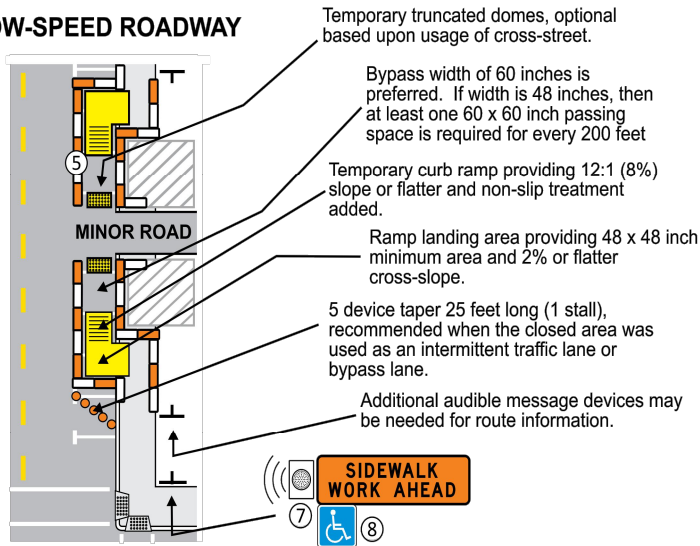
1. When crosswalks, sidewalks, or other pedestrian facilities are blocked, closed, or relocated, temporary facilities shall include accessibility features consistent with the features present in the existing pedestrian facility.
2. When a sidewalk is closed but workers are present to halt operations and provide safe passage through the work site, the devices shown are not required. Pedestrians may be delayed for a short period of time for project personnel to move equipment and material to facilitate passage. Project personnel may also assist pedestrians in navigating the work zone.
3. The examples show only key typical dimensions. Refer to the MnDOT [Pedestrian Accommodations Through Work Zones website \(http://www.dot.state.mn.us/trafficeng/workzone/apr.html\)](http://www.dot.state.mn.us/trafficeng/workzone/apr.html) for standards, guidance and options when blocking, closing, or relocating pedestrian facilities.
4. Where high speeds and/or high traffic volumes are anticipated, barrier should be used to separate the temporary pedestrian walkway from vehicular traffic. When used, barriers shall be installed as detailed in the MN MUTCD, Part 6F.
5. Only traffic control devices controlling pedestrian flows are shown. Other devices may be needed to control traffic on the streets.
6. When both sides of a temporary pedestrian bypass require channelizing devices, the devices should be a similar type (railing system, barricade, or fencing system), excluding when a barrier (such as concrete barrier) is used to protect pedestrians from an open traffic lane.
- ⑦ An approved audible message device or tactile message may be provided for sight-impaired pedestrians. When used, a message device should provide a complete physical description of the temporary pedestrian by-pass including duration, length of (and/or distance to) the bypass, any restrictions or hazards, and project information. The message device(s) may also describe an alternate route. The number and location of devices should be determined for each project prior to starting work. Devices may be placed prior to sidewalk work to warn regular users of the planned work.
- ⑧ The International Symbol of Accessibility should be displayed when any walkway through a work zone has been determined to be fully accessible. The Symbol of Accessibility shall not be displayed if persons with disabilities should not enter the temporary pedestrian by-pass.

ALTERNATE PEDESTRIAN ROUTE
3 DAYS or LESS **SIDEWALK BY-PASS** **LAYOUT 89a & b**
LAYOUT 89a 6K-89a

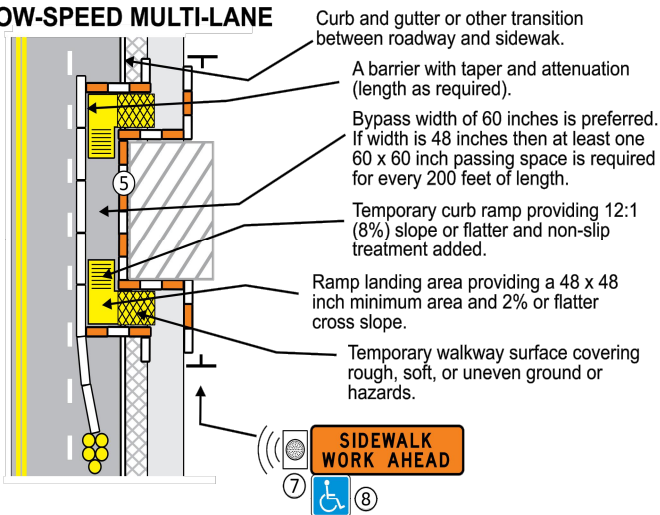
Field Manual

January 2018

LOW-SPEED ROADWAY



HIGH-SPEED ROADWAY
or
LOW-SPEED MULTI-LANE



ALTERNATE PEDESTRIAN ROUTE
3 DAYS or LESS **SIDEWALK BY-PASS** **LAYOUT 89a & b**
LAYOUT 89b 6K-89b

FIBERHOOD:

BLAN-MN-02-C2

ENGINEER:

UTILITY INFRASTRUCTURE SOLUTIONS **hbk**
A QUANTA SERVICES COMPANY
921 WEST VAN BUREN, SUITE 100
CHICAGO, IL 60607
PHONE: (312) 432-0076 FAX: (312) 432-6231
STATE OF ILLINOIS, DEPARTMENT OF PROFESSIONAL REGULATION, LICENSE NO. 184-002308

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Certificate Of Completion

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Subject: Kristofer Robinson - ROW Permit Application

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Signatures: 1

Envelope Originator:

Certificate Pages: 4

Initials: 1

Highway Permits

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Anoka County Government Center

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Status: Original

Holder: Highway Permits

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Signature

Timestamp

Kristofer Robinson

kr.robinson@hbkengineering.com

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Signature Adoption: Pre-selected Style

Using IP Address: 71.185.173.118

Sent: 4/15/2025 9:35:32 AM

Viewed: 4/15/2025 9:35:54 AM

Signed: 4/15/2025 9:49:06 AM

Electronic Record and Signature Disclosure:

Accepted: 4/2/2025 2:16:04 PM

ID: 6bc7b59f-f863-4832-a420-f4f93bff54d1

Susan Burgmeier

Susan.Burgmeier@anokacountymn.gov

Associate Traffic Technician

Anoka County

Signing Group: Highway Permits

Security Level: Email, Account Authentication
(Optional)

Sent: 4/15/2025 9:49:12 AM

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Electronic Record and Signature Disclosure:

Accepted: 4/9/2025 2:41:17 PM

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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

Kristofer Robinson

kr.robinson@hbkengineering.com

Security Level: Email, Account Authentication
(Optional)

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Witness Events	Signature	Timestamp
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Notary Events	Signature	Timestamp
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Phone: (763)-324-4110

Address: Anoka County Government Center
Attn: Information Technology, #300
2100 3rd Avenue
Anoka, MN 55303

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