



ANOKA COUNTY TRANSPORTATION DIVISION

1440 BUNKER LAKE BLVD NW

ANDOVER, MN 55304

763-324-3176

highwaypermits@anokacountymn.gov

PERMIT NUMBER

RIGHT OF WAY

COMMERCIAL ACCESS

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 Coon Rapids PD

CONTACT PERSON Trish Heitman

ADDRESS 11155 Robinson Drive NW

CITY Minneapolis

PHONE NUMBER 651-302-1034

EMAIL theitman@coonrapidsmn.gov

COMPANY OR INDIVIDUAL PERFORMING WORK Flock Safety

CONTACT PERSON Christine Strileckis

EMAIL christine.strileckis@flocksafety.com

PHONE NUMBER 470-568-4561

PERMIT WORK TO START 10/24/2025

PERMIT WORK TO BE COMPLETED 04/24/2025

DURATION OF JOB 5 days

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

ANOKA COUNTY PROJECT NUMBER

WORK SITE ADDRESS Multiple Locations

CITY Coon Rapids

METHOD OF INSTALLATION/CONSTRUCTION Attachment and Dig

NATURE OF WORK Installation of 8 ALPR cameras on behalf of Coon Rapids PD. Seven will be attached to existing poles and 1 will be installed on a new pole. This camera's installation will affect 1 square foot of ground.

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 (72+ HOURS REQUIRES PLANS TO BE SIGNED BY A MINNESOTA LICENSED PE).

X DITCH/BLVD



BITUMINOUS

MEDIAN/ISLAND

SIDEWALK/TRAIL



X AERIAL/NONE

DEPTH FROM SURFACE 3 ft

(60" minimum under county roads)

SIZE AND KIND OF PIPE/CABLE N/A

NUMBER OF EXCAVATIONS 1

IS PERMANENT SIGNING AND STRIPING REQUIRED? No

LOCATION AND SIZE OF EXCAVATIONS

ALL EXCAVATIONS ARE TO BE PROTECTED AND THEN BACKFILLED WHEN UNATTENDED AND/OR OVERNIGHT - STEEL PLATING MAY BE USED ONLY IF APPROVED PRIOR TO USE

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.

One excavation 1 sq ft and 3 ft deep, 13 ft from center line.

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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**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.**

Anoka County hereby adopts and incorporates by reference the standards established by the Minnesota Pollution Control Agency's NPDES/SDS Construction Stormwater General Permit MNR100001 (CSW Permit) as amended in its entirety as now constituted and from time to time amended.

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	<i>Christine Strleekis</i>	DATE 10/10/2025
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**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: Engineering Technician	DATE
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NOT VALID UNLESS SIGNED BY ANOKA COUNTY

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**SPECIAL CONDITIONS**

TRAFFIC CONTROL

- 1) Detours
  - a) Detailed detour layouts shall be submitted to the Anoka County 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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CONCRETE RESTORATION

- 1) Curb and gutter, sidewalks, and driveways shall be restored in accordance with MNDOT specifications 2531 and 2521.

UTILITY LINES

- 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.

SECTION CORNER MONUMENTS

- 1) The permit holder shall notify the Anoka County Surveyor's Office at 763-324-3111 at least 3 business days prior to any anticipated disturbance of any section, quarter, meander, witness corner, or right of way monument.
- 2) Utility locations shall not interfere with the location of any section, quarter, meander, witness corner, or right of way monument. For assistance in locations, contact the Anoka County Surveyor's Office.
- 3) The permit holder shall be responsible for replacement of any existing property irons disturbed during construction.
- 4) Any monument disturbed during the course of construction shall be reset by the Anoka County Surveyor's Office at the expense of the permit holder.

ATTACHING TO BRIDGES/STRUCTURES

- 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.

ADDITIONAL PROVISIONS

- 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 3 business days 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 DS  
CS



**FLOCK SAFETY EQUIPMENT INSTALLATION**

**CASE NUMBER: 01019767**  
**PERMITTING JURISDICTION:**  
**Anoka County (County of), Right-of-Way**

**Anoka County (County of), Right-of-Way**  
**ON BEHALF OF**  
**MN - Coon Rapids PD**

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**CONTACT LIST**

**PERMITTING**

christine.strileckis@flocksafety.com

**PROJECT MANAGER**

alex.lawson@flocksafety.com

SEE APPROVED PERMIT FOR LISTED INSPECTOR\*

MN - Coon Rapids PD

01019767

Flock Safety  
 1170 HOWELL MILL ROAD SUITE 210  
 ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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0	10/10/2025	FLK	PRELIM

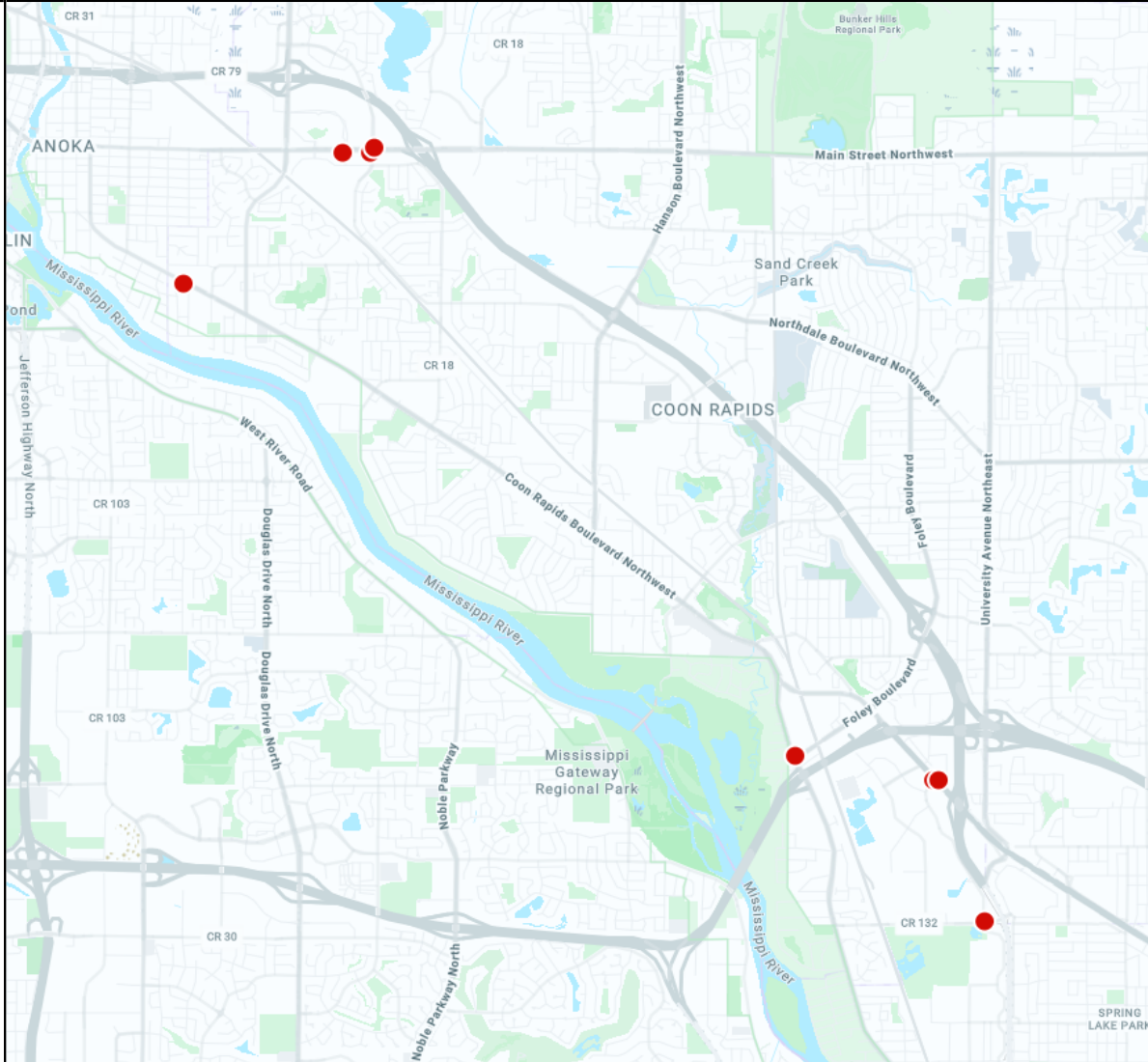
I HEREBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

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FLOCK SAFETY EQUIPMENT INSTALLATION  
 CASE NUMBER: 01019767  
 PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

**COVER SHEET & LOCATION MAPS**

<b>SHEET:</b> <b>T.01</b>	<b>REV:</b> <b>0</b>
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**DRAWING INDEX**

T.01	COVER SHEET & LOCATION MAPS
GN.01	GENERAL NOTES
A.01 - A.08	PLAN DRAWINGS
SPEC.01 - SPEC.07	EQUIPMENT & FOUNDATION DETAILS



**Know what's below.**  
**Call before you dig.**

**GENERAL & CONSTRUCTION NOTES**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL AGENCY SPECIFICATIONS UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.
2. ALL WORK SHALL CONFORM TO ALL APPLICABLE ELECTRICAL CODES EXCEPT WHEN STATE DEPARTMENT OF TRANSPORTATION AND LOCAL AGENCY STANDARDS SUPERSEDE.
3. CONTRACTOR SHALL ENSURE ALL PROPOSED EQUIPMENT INSTALLED IS IN ACCORDANCE WITH NESC REQUIREMENTS AND CLEARANCES.
4. ALL CONSTRUCTION AND/OR MAINTENANCE ON THE MINNESOTA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY SHALL CONFORM TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC DEVICES, THE MINNESOTA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, PLANS PREPARATION MANUAL AND DRAINAGE MANUAL.
5. THE PERMITTING AGENCY RESERVES THE RIGHT TO MAKE ADJUSTMENTS TO ANY PERMITTED METHODS OF INSTALLATION, SCOPE OF WORK AND RESTORATION THAT MAY BE REQUIRED TO POSITIVELY SUPPORT LIFE, SAFETY AND ENVIRONMENTAL WELL BEING OF ALL USERS OF THE TRANSPORTATION SYSTEM.
6. SHOULD A CONFLICT ARISE BETWEEN THE DETAILS SHOWN IN THE PLANS AND THE DEPARTMENT OF TRANSPORTATION STANDARDS, THE ENGINEER/PERMITTEE SHALL IMMEDIATELY CONFER WITH THE DEPARTMENT'S ENGINEER IN ORDER TO RESOLVE THE DISCREPANCY. IN NO CASE WILL ANYTHING LESS THAN THE DEPARTMENTS MINIMUM STANDARDS BE ALLOWED.
7. FLOCK SAFETY SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES 48 HOURS PRIOR TO CONSTRUCTION.
- 7.1. INSTALLS INVOLVING FLOCK SAFETY PROVIDED POLES, A MINIMUM OF 2' SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES AND STORM DRAIN STRUCTURES.
8. THE PERMITTED WORK SCHEDULE IS DEFINED AS MONDAY THROUGH FRIDAY 7:00AM TO 5:30PM UNLESS OTHERWISE NOTED WITHIN THE PERMIT. ANY WORK DESIRED OUTSIDE OF THIS PERIOD MUST BE REQUESTED IN ADVANCE AND APPROVED BEFORE WORKING THE ALTERNATE SCHEDULE.
9. FLOCK SAFETY SHALL BE RESPONSIBLE TO APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL STANDARDS AS REQUIRED.
10. WORK INVOLVING TEMPORARY LANE CLOSURES ARE TO BE DONE BETWEEN THE HOURS OF 8:00AM AND 5:00PM. MONDAY THROUGH FRIDAY UNLESS OTHERWISE STATED BY THE DEPARTMENT OF TRANSPORTATION.
11. CONTRACTOR SHALL PROVIDE SAFE ACCESS PER CURRENT GENERAL STANDARDS FOR ALL PEDESTRIAN TRAFFIC REGULATIONS ON ALL EXCAVATIONS OPENED IN THE TRAFFIC ZONE CONTROL AREA.
12. NO PEDESTRIAN PATHWAY IS TO BE REMOVED, BLOCKED, OR DISTURBED WITHOUT HAVING A SUFFICIENT DESIGNATED TEMPORARY PEDESTRIAN PATHWAY WITH ALL APPROPRIATE PEDESTRIAN MAINTENANCE OF TRAFFIC SIGNS IN PLACE PRIOR TO PATHWAY BEING AFFECTED.
- 12.1. ALL TEMPORARY PEDESTRIAN PATHWAYS MUST BE FIRM AND UNYIELDING.
13. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTY IN THE VICINITY OF THE CONSTRUCTION.
14. NO WORK SHALL BE PERFORMED DURING THE WEEKS OF ANY STATE OR FEDERAL HOLIDAYS UNLESS OTHERWISE APPROVED BY THE MINNESOTA DEPARTMENT OF TRANSPORTATION.
15. ALL WORK ZONES ARE TO BE SET UP AND MAINTAINED BY SOMEONE WHO HAS THE MINNESOTA DEPARTMENT OF TRANSPORTATION INTERMEDIATE TRAFFIC CONTROL LEVEL TRAINING OR EQUIVALENT.
16. THE PERMITTING AGENCY RETAINS THE RIGHT TO MAKE ALTERATIONS TO THE PERMIT, ATTACHED SKETCH OR CHARACTER OF WORK AS MAY BE CONSIDERED NECESSARY OR DESIRABLE DURING THE PROGRESS OF THE WORK FOR SATISFACTORY COMPLETION OF THE PROPOSED CONSTRUCTION.
17. THE PERMITTEE SHALL NOTIFY THE PERMITTING AGENCY OF DATE OF COMPLETION, REQUEST A FINAL INSPECTION AND A NOTICE OF FINAL ACCEPTANCE.
18. IF THE PROPOSED CANNOT BE INSTALLED PER THE APPROVED PERMITTED PLAN AND BY GENERAL SPECIFICATIONS, A REVISED PLAN MUST BE PROVIDED TO THE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OF PRODUCTS OR MATERIALS AT THE GIVEN LOCATIONS WHERE CONFLICTS OCCUR.
19. CONTRACTOR SHALL RESTORE RIGHT-OF-WAY TO EQUAL OR BETTER CONDITION UPON COMPLETION OF WORK AND TO THE SATISFACTION OF THE STATE DEPARTMENT OF TRANSPORTATION AND LOCAL AGENCY AT NO ADDITIONAL COMPENSATION.
- 19.1. RESTORATION MAY INCLUDE BUT IS NOT LIMITED TO GRADING AND SODDING IN ANY DISTURBED AREA.
- 19.2. ANY SIDEWALK DISTURBED WILL BE REPLACED BY SECTION WITHIN 72 HOURS TO THE STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
20. IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO GENERAL FACILITIES AND/OR PRIVATE PROPERTY CAUSED BY CONSTRUCTION OF THE PROJECT.
21. ALL ROADWAY PAVEMENT, CURBS, GUTTERS AND STORM WATER COLLECTORS WILL BE KEPT FREE OF MUD AND OTHER DEBRIS AT ALL TIMES DURING CONSTRUCTION.
22. NO STOCKPILING, STORING OR SEMI PERMANENT USE OF THE RIGHT OF WAY IS AUTHORIZED UNLESS SPECIFICALLY IDENTIFIED WITHIN THE PERMIT.
23. THE CONTRACTOR SHALL HAVE AN AUTHORIZED PERSON AVAILABLE AT/OR NEAR THE WORK SITE TO ADDRESS EMERGENCY ISSUES ASSOCIATED WITH THE PROJECT.

**ADA COMPLIANCE NOTES**

1. ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II AND ALL STATE DEPARTMENT OF TRANSPORTATION AND LOCAL STANDARDS. USE STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS FOR PEDESTRIAN CONTROL PLANS FOR CLOSURE OF SIDEWALK.
2. MINIMUM SIDEWALK CLEAR PEDESTRIAN ACCESS ROUTE (PAR) IS 48" WIDE.
3. NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK UP TO 7'-0" IN HEIGHT.

**DRAWINGS**

1. THE WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE FOLLOWING ATTACHED DRAWINGS THAT ARE HEREBY MADE A PART OF THE STATEMENT OF WORK, BY THIS REFERENCE.

**SPECIFICATIONS**

1. THE WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS CONTAINED IN THAT CERTAIN "MASTER AGREEMENT, OUTSIDE PLANT MAINTENANCE CONSTRUCTION SERVICES," PROVIDED THAT SUCH AN AGREEMENT EXISTS BETWEEN FLOCK SAFETY AND CONTRACTOR. IN THE ABSENCE OF SUCH AN AGREEMENT, THE SPECIFICATIONS CONTAINED IN AN AGREEMENT TO BE EXECUTED BY THE PARTIES PRIOR TO THE COMMENCEMENT OF WORK SHALL GOVERN.

**MATERIALS**

1. INSTALLER SHALL RECEIVE FLOCK SAFETY MATERIALS AT A FLOCK SAFETY LEASED WAREHOUSE FACILITY OR AT THE LOCAL TSO LOCATED AT (CONTACT 24 HOURS IN ADVANCE): 1170 HOWELL MILL RD NW, ATLANTA, GA 30318.
  - 1.1. ALL UNUSED AND REQUESTED SALVAGED MATERIAL TO BE RETURNED TO SAME ADDRESS.
2. THE RECEIPT OF ALL MATERIALS SHALL BE CONSTRUED AS CONCLUSIVE EVIDENCE THAT THE CONTRACTOR HAS MADE ALL NECESSARY EXAMINATION AND INSPECTIONS, AND IS SATISFIED AS TO THE QUALITY AND QUANTITY OF MATERIALS RECEIVED.
3. ANY AND ALL MATERIALS THAT MAY BECOME LOST, STOLEN OR DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S SOLE EXPENSE, AND ANY DELAY INCURRED SHALL NOT BE CAUSE FOR AN EXTENSION IN TIME

**SAFETY AND PRECAUTIONS**

1. ALL PERSONNEL ARE REQUIRED TO ABIDE BY ALL RULES AND REGULATIONS SET FORTH IN THE FLOCK SAFETY REQUIREMENTS, RAILROAD SAFETY CODE AND GOVERNING JURISDICTION.
2. THE WORK UNDER THIS INSTALLATION WILL BE CONSTRUCTED ALONG RIGHTS OF WAY THAT MAY CONTAIN EXISTING AND OPERATIONAL UTILITIES. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND FOR COMPLIANCE WITH THE REQUIREMENTS OF ANY STATEWIDE AND / OR LOCAL AREA IN ADVANCE OF ANY EXCAVATION, BORING OR PLACING WORK AND THE CONTRACTOR SHALL LOCATE AND EXPOSE BY HAND ALL EXISTING SUBSURFACE PLANT. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S SOLE EXPENSE AND ANY DELAY INCURRED SHALL NOT BE CAUSE FOR AN EXTENSION IN THE TIME OF THE CONTRACT.
3. INSTALLER SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF PUBLIC AND PRIVATE PROPERTIES. INSTALLER SHALL PROTECT, SHORE, BRACE, SUPPORT AND MAINTAIN ALL UNDERGROUND PIPES, CONDUITS, DRAINS AND OTHER SUBSURFACE STRUCTURES UNCOVERED OR OTHERWISE AFFECTED BY THE WORK.
4. INSTALLER SHALL BE RESPONSIBLE FOR ALL DAMAGE TO STREETS, ROADS, HIGHWAYS, SHOULDERS, DITCHES, EMBANKMENTS, CULVERTS, BRIDGES OR OTHER PUBLIC OR PRIVATE PROPERTY OR FACILITY, REGARDLESS OF LOCATION OR CHARACTER, WHICH MAY BE CAUSED BY THE WORK, OR BY MOVING, HAULING, OR OTHERWISE TRANSPORTING EQUIPMENT, MATERIALS OR WORKERS TO OR FROM WORK OR ANY SITE THEREOF, WHETHER BY THE CONTRACTOR OR SUBCONTRACTORS.

**STAKING AND SCHEDULING**

1. ALL STAKING WILL BE PROVIDED BY FLOCK SAFETY. REQUIRED RIGHT OF WAY CLEARING SHALL BE COMPLETED PRIOR TO STAKING; THEREFORE, THE INSTALLER SHALL COORDINATE ALL CLEARING AND PLACING OPERATIONS WITH THE FLOCK SAFETY PROJECT SUPERVISOR TO AVOID DELAYS AND INTERFERENCE.
2. FLOCK SAFETY WILL PROVIDE RAILROAD, FLAGMEN AND SIGNALMEN AS REQUIRED; HOWEVER, THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE ITS NEEDS FOR SUCH SIGNALMEN AND FLAGMEN WITH FLOCK SAFETY.
3. IN ADDITION TO THE SCHEDULING REQUIREMENTS IN THE GENERAL PROVISIONS, UPON REQUEST THE CONTRACTOR SHALL ALSO SUBMIT TO THE FLOCK SAFETY PROJECT SUPERVISOR, DAILY CREW ASSIGNMENT REPORTS SPECIFYING CREW AND CREW COMPOSITION AND WORK LOCATION.

**PERMITS**

1. FLOCK SAFETY HAS OBTAINED OR WILL OBTAIN PERMITS FROM DEPARTMENTS AND/OR AGENCIES OF CITIES, COUNTIES, STATES, FEDERAL GOVERNMENT, RAILROAD OR OTHER ENTITIES, WHICH PROVIDE FOR THE PLACING OF PIPES AND/OR CABLE UNDER DITCH, TRACKS AND ROADS AND PLACING PIPES AND/OR CABLE ALONG AND WITHIN PUBLIC OR PRIVATE ROAD RIGHTS OF WAY AND RAILROAD RIGHTS.
2. CONTRACTOR SHALL OBTAIN ADDITIONAL PERMITS, IF REQUIRED, FOR EQUIPMENT ACCESS OR MOVEMENT ON PUBLIC ROADS AND RAILROADS. COPIES OF SUCH PERMITS SHALL BE FURNISHED TO FLOCK SAFETY. ALL TRAFFIC CONTROL, IF APPLICABLE, SHALL BE IN ACCORDANCE WITH LOCAL, STATE, COUNTY, OR PERMITTING AGENCY LAWS, REGULATIONS, AND REQUIREMENTS, AND WILL BE THE CONTRACTOR'S RESPONSIBILITY. TRAFFIC CONTROL PLANS PROVIDED BY CURRENT MINNESOTA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS.

**SCOPE OF WORK**

1. THIS PROJECT SHALL CONSIST OF THE FOLLOWING OPERATIONS: THE WORK PACKAGE IS FOR THE INSTALLATION OF FLOCK SAFETY ALPR CAMERAS WHICH INCLUDES BUT IS NOT LIMITED TO: FLOCK SAFETY PROVIDED POLES, POLE MOUNTED SOLAR PANELS, AND EXTERNAL BATTERY PACKAGES.

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MN - Coon Rapids PD

01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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I HEREBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

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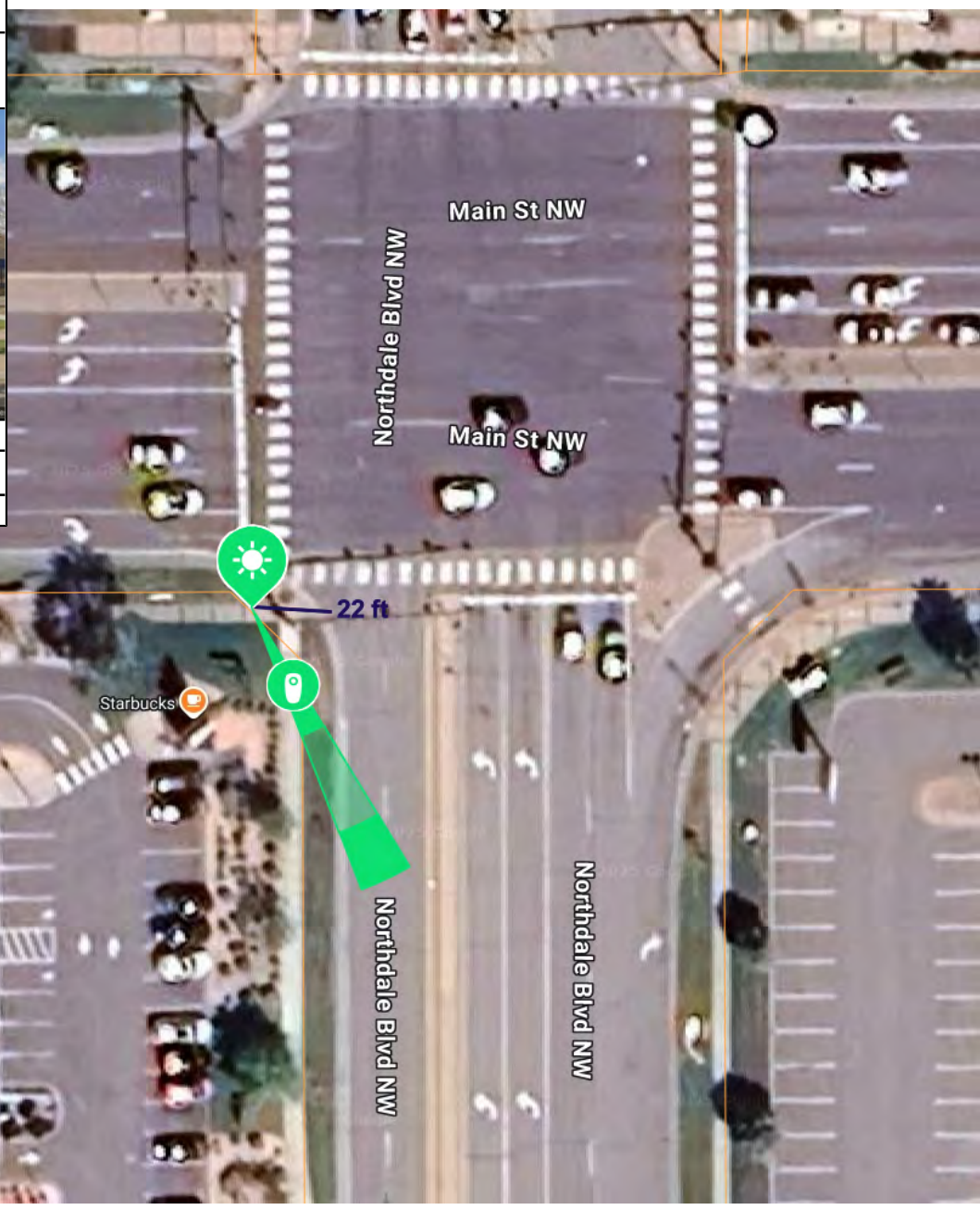
FLOCK SAFETY EQUIPMENT INSTALLATION

CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS

SHEET: <b>GN.01</b>	REV: <b>0</b>
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FLOCK LOCATION DETAILS			
LOCATION NAME: P#002 Northdale Blvd NW @ 125th Ave NW SB			
GEOGRAPHIC COORDINATES: 45.19733185113517,-93.34706376393594			
			
STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
3188 Northdale Blvd NW	0		22 ft
Corresponding Spec Sheet		Spec.01-02	



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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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0	10/10/2025	FLK	PRELIM

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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.01</b>	REV: <b>0</b>

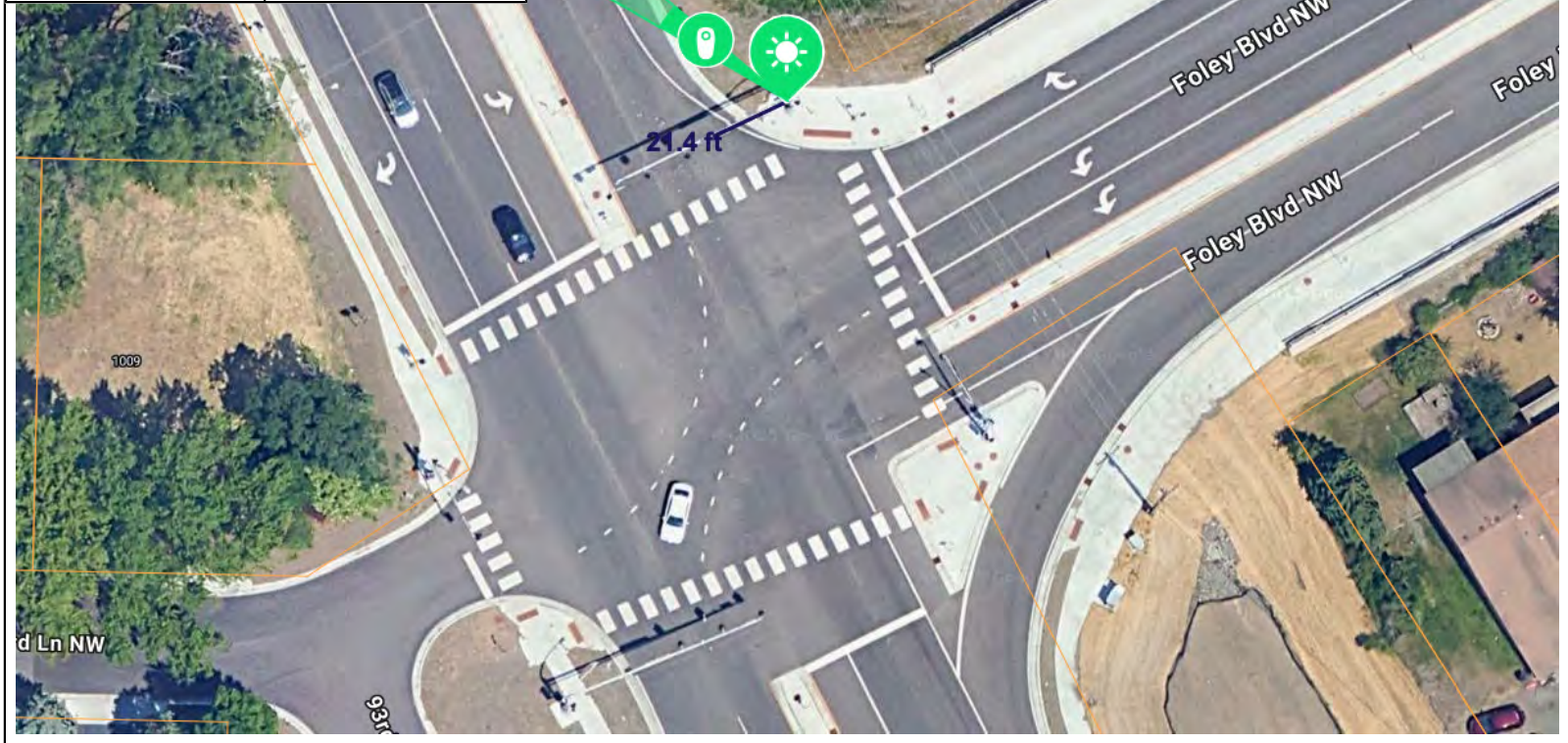


**FLOCK LOCATION DETAILS**

LOCATION NAME: P#003 E River Rd NW @ Foley Blvd NW NB  
 GEOGRAPHIC COORDINATES:  
 45.140353167354945,-93.29152464422626



STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
975 Foley Blvd NW	0		21.4 ft
Corresponding Spec Sheet		Spec.01-02	



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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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0	10/10/2025	FLK	PRELIM

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**FLOCK SAFETY EQUIPMENT INSTALLATION**  
 CASE NUMBER: 01019767  
 PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.02</b>	REV: <b>0</b>

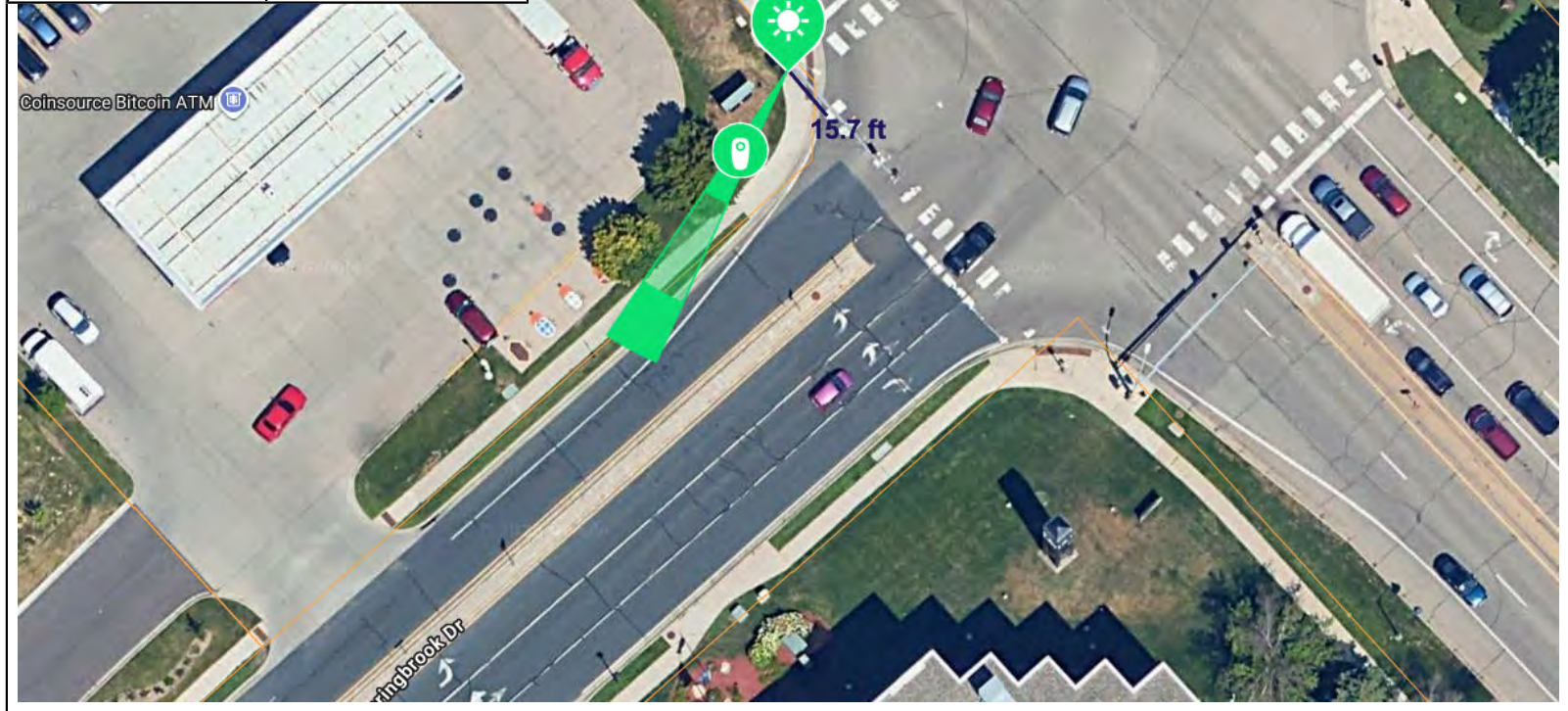


**FLOCK LOCATION DETAILS**

LOCATION NAME: P#005 Springbrook Dr NW @ Coon Rapids Blvd NW SB  
 GEOGRAPHIC COORDINATES:  
 45.138056474803385,-93.27358683578123



STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
288 Coon Rapids Blvd NW	0		15.7 ft
Corresponding Spec Sheet		Spec.03-04	



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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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0	10/10/2025	FLK	PRELIM


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**FLOCK SAFETY EQUIPMENT INSTALLATION**  
 CASE NUMBER: 01019767  
 PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.03</b>	REV: <b>0</b>



FLOCK LOCATION DETAILS			
LOCATION NAME: P#007 Springbrook Dr @ 85th Ave NW NB			
GEOGRAPHIC COORDINATES: 45.12475949760212,-93.26687084044916			
			
Google			
STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
8501 Springbrook Dr NW	0		16.8 ft
Corresponding Spec Sheet		Spec.01-02	



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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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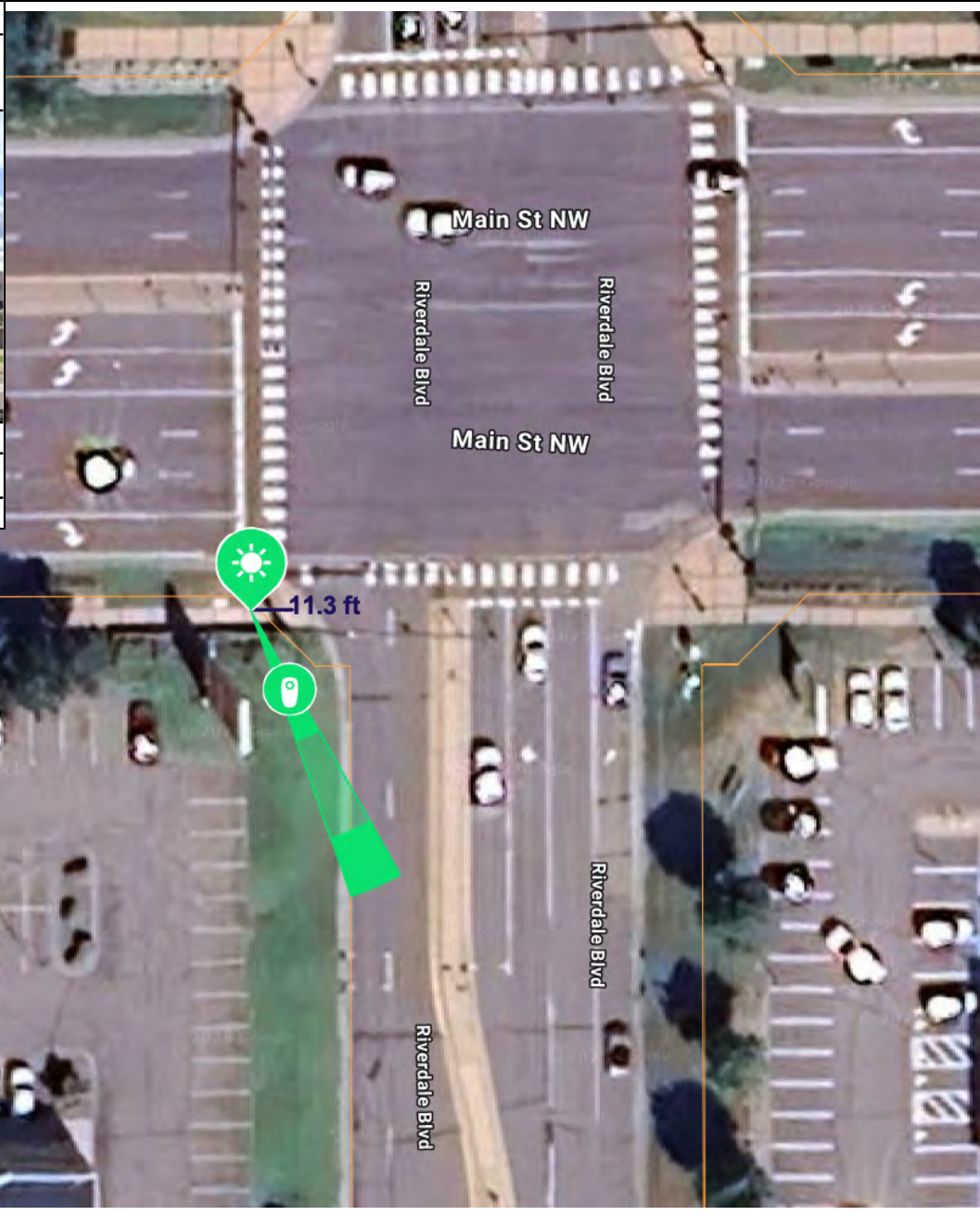
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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.04</b>	REV: <b>0</b>



FLOCK LOCATION DETAILS			
LOCATION NAME: P#008 Riverdale Blvd NW @ 125th Ave NW SB			
GEOGRAPHIC COORDINATES: 45.19732411921876,-93.35064232450871			
			
Google			
STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
12485 Riverdale Blvd NW	0		11.3 ft
Corresponding Spec Sheet		Spec.01-02	



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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.05</b>	REV: <b>0</b>



**FLOCK LOCATION DETAILS**

LOCATION NAME: P#009 Northdale Blvd NW @ Main St NW NB  
 GEOGRAPHIC COORDINATES:  
 45.1977686030251, -93.34659384301213



STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
3219 Northdale Blvd NW	0		11.2 ft

Corresponding Spec Sheet: Spec.01-02



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MN - Coon Rapids PD  
 01019767

Flock Safety  
 1170 HOWELL MILL ROAD SUITE 210  
 ATLANTA, GA 30318

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FLOCK SAFETY EQUIPMENT INSTALLATION  
 CASE NUMBER: 01019767  
 PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.06</b>	REV: <b>0</b>



**FLOCK LOCATION DETAILS**

LOCATION NAME: P#010 Coon Rapids Blvd NW @ Dakotah St EB  
 GEOGRAPHIC COORDINATES:  
 45.18493407024805,-93.37135090332133



STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
3660 Coon Rapids Blvd NW	0		13.5 ft
Corresponding Spec Sheet		Spec.05-07	



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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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**FLOCK SAFETY EQUIPMENT INSTALLATION**  
 CASE NUMBER: 01019767  
 PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.07</b>	REV: <b>0</b>



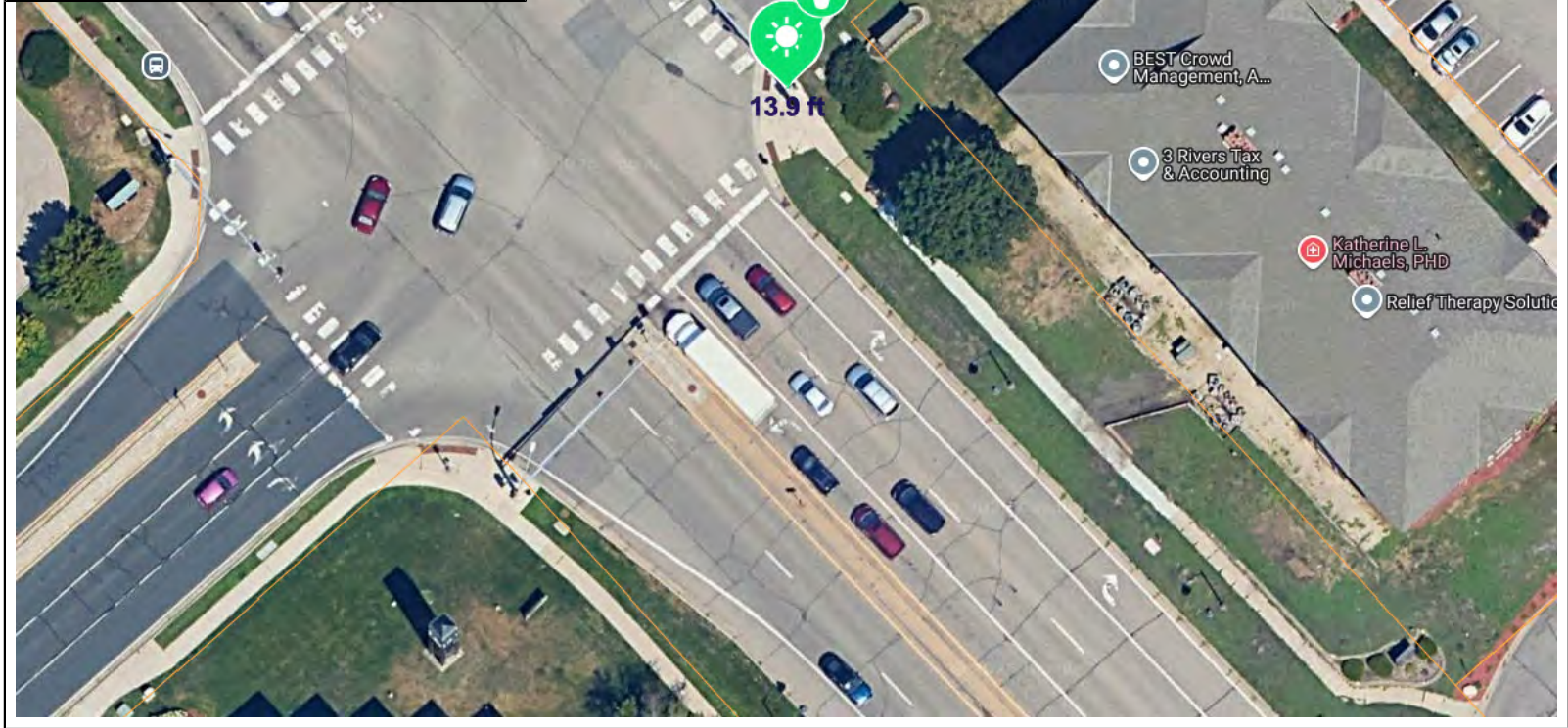
**FLOCK LOCATION DETAILS**

LOCATION NAME: P#011 Springbrook Dr @ Coon Rapids Blvd NB  
 GEOGRAPHIC COORDINATES:  
 45.13811891785419,-93.27294732210802



STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
199 Coon Rapids Blvd NW	0		13.9 ft

Corresponding Spec Sheet: Spec.01-02



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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

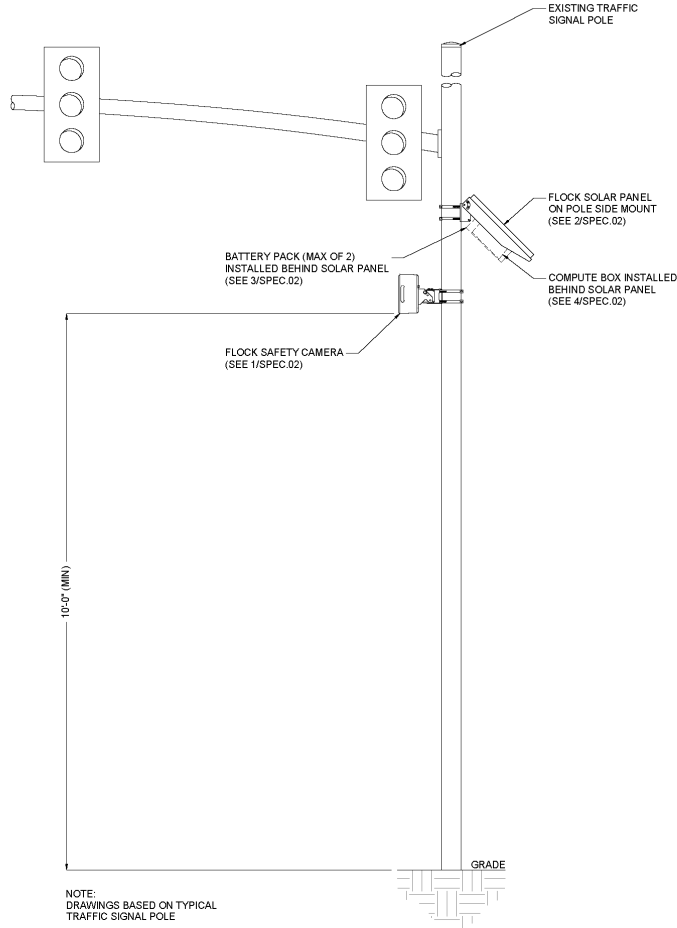
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FLOCK SAFETY EQUIPMENT INSTALLATION  
 CASE NUMBER: 01019767  
 PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.08</b>	REV: <b>0</b>



NOTE:  
DRAWINGS BASED ON TYPICAL  
TRAFFIC SIGNAL POLE

1 POLE ELEVATION DETAIL  
SCALE: N/A

**GENERAL & CONSTRUCTION NOTES**

1. CONTRACTOR SHALL APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL JURISDICTION STANDARDS.
2. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL SITE CONDITION TO THE SATISFACTION OF STATE DEPARTMENT OF TRANSPORTATION AND LOCAL JURISDICTION
3. ALL WORK SHALL CONFORM TO APPLICABLE ELECTRICAL CODES EXCEPT WHEN STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION STANDARDS SUPERSEDE.
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS DEFINED BY THE STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION, UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.

**ADA COMPLIANCE NOTES**

1. ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II, STATE DEPARTMENT OF TRANSPORTATION, AND LOCAL JURISDICTION STANDARDS.
2. STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS SHALL BE USED FOR PEDESTRIAN CONTROL PLANS WHEN CLOSURE OF SIDEWALK IS REQUIRED FOR CONSTRUCTION.
3. MINIMUM CLEAR PEDESTRIAN ACCESS ROUTE (PAR) SHALL BE 48" WIDE.
4. NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK, UP TO AN ELEVATION OD 7'-0" ABOVE GRADE.

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MN - Coon Rapids PD

01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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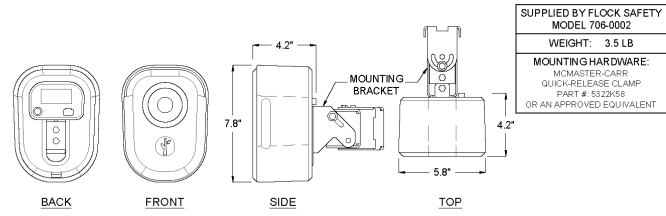
**FLOCK SAFETY EQUIPMENT INSTALLATION**

CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

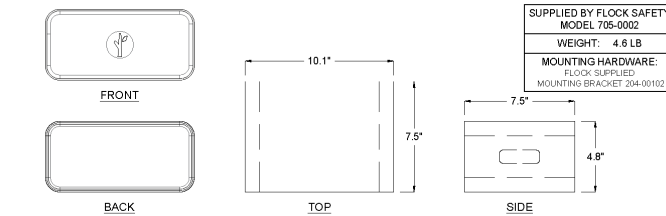
**COVER SHEET & LOCATION MAPS**

SHEET:  
**SPEC.01**

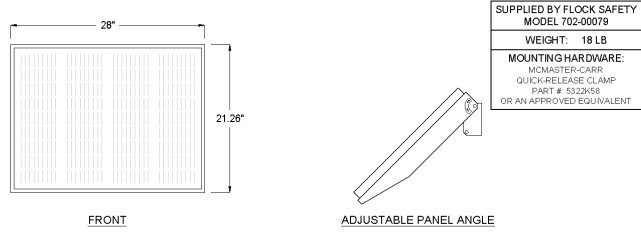
REV:  
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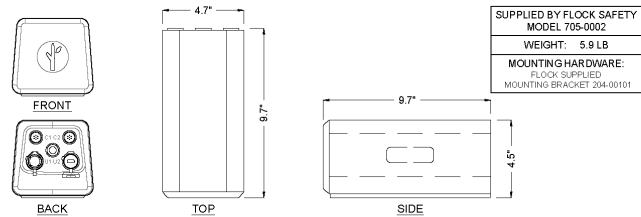
1 FLOCK SAFETY CAMERA  
SCALE: N/A



4 FLOCK COMPUTE BOX  
SCALE: N/A



2 65 WATT SOLAR PANEL AND MOUNT ASSEMBLY (SIDE MOUNTED)  
SCALE: N/A



3 FLOCK EXTERNAL BATTERY  
SCALE: N/A

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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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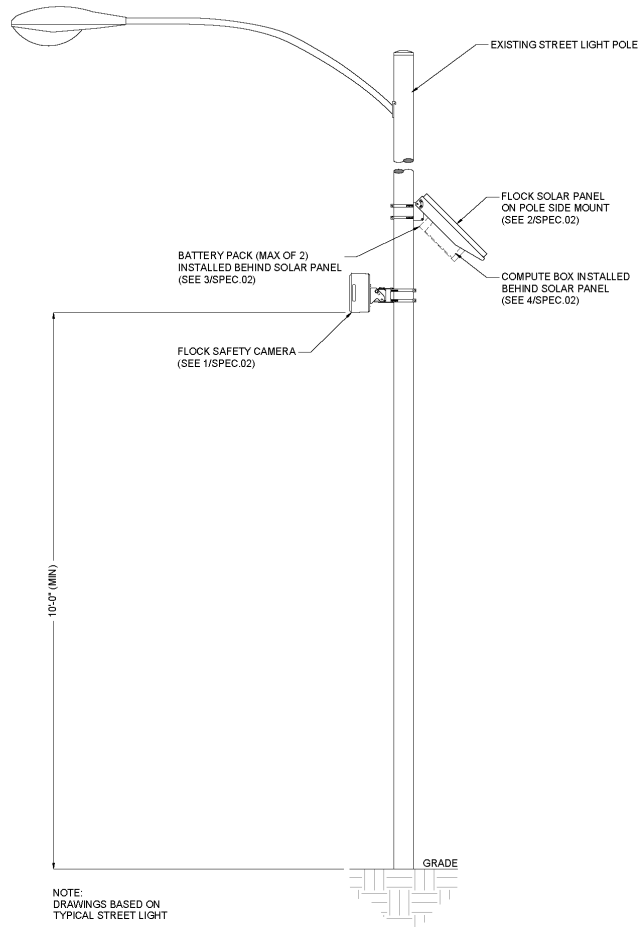
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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS

SHEET: **SPEC.02** REV: **0**





**GENERAL & CONSTRUCTION NOTES**

1. CONTRACTOR SHALL APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL JURISDICTION STANDARDS.
2. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL SITE CONDITION TO THE SATISFACTION OF STATE DEPARTMENT OF TRANSPORTATION AND LOCAL JURISDICTION
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1. ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II, STATE DEPARTMENT OF TRANSPORTATION, AND LOCAL JURISDICTION STANDARDS.
2. STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS SHALL BE USED FOR PEDESTRIAN CONTROL PLANS WHEN CLOSURE OF SIDEWALK IS REQUIRED FOR CONSTRUCTION.
3. MINIMUM CLEAR PEDESTRIAN ACCESS ROUTE (PAR) SHALL BE 48" WIDE.
4. NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK, UP TO AN ELEVATION OD 7'-0" ABOVE GRADE.

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MN - Coon Rapids PD

01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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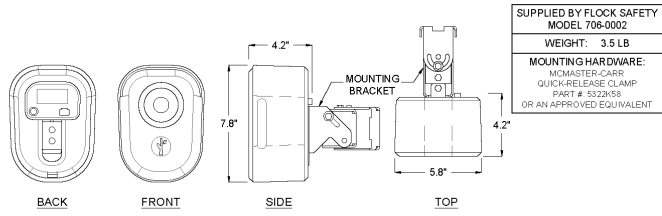
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FLOCK SAFETY EQUIPMENT INSTALLATION

CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

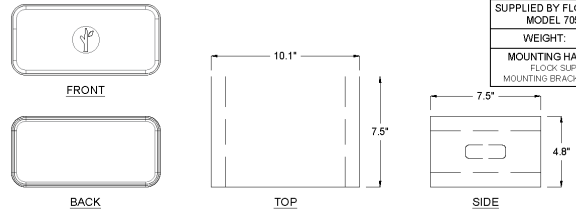
COVER SHEET & LOCATION MAPS

SHEET: **SPEC.03**      REV: **0**



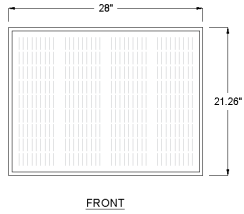
SUPPLIED BY FLOCK SAFETY  
MODEL 708-0002  
WEIGHT: 3.5 LB  
MOUNTING HARDWARE:  
MCMASTER-CARR  
QUICK-RELEASE CLAMP  
PART # 5322K58  
OR AN APPROVED EQUIVALENT

1 FLOCK SAFETY CAMERA  
SCALE: N/A

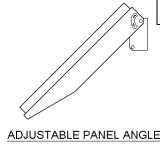


SUPPLIED BY FLOCK SAFETY  
MODEL 705-0002  
WEIGHT: 4.6 LB  
MOUNTING HARDWARE:  
FLOCK SUPPLIED  
MOUNTING BRACKET 204-00102

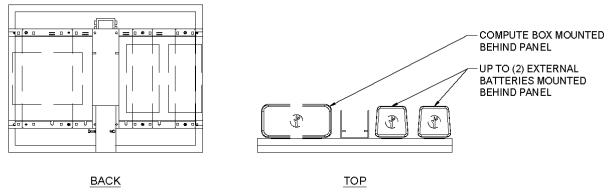
4 FLOCK COMPUTE BOX  
SCALE: N/A



SUPPLIED BY FLOCK SAFETY  
MODEL 702-00079  
WEIGHT: 18 LB  
MOUNTING HARDWARE:  
MCMASTER-CARR  
QUICK-RELEASE CLAMP  
PART # 5322K58  
OR AN APPROVED EQUIVALENT

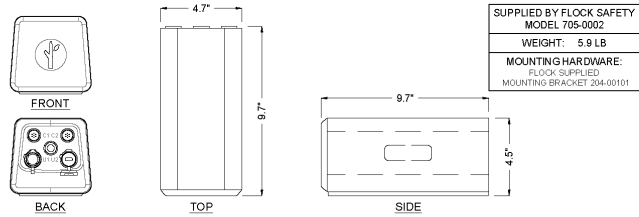


2 65 WATT SOLAR PANEL AND MOUNT ASSEMBLY (SIDE MOUNTED)  
SCALE: N/A



COMPUTE BOX MOUNTED  
BEHIND PANEL  
UP TO (2) EXTERNAL  
BATTERIES MOUNTED  
BEHIND PANEL

3 FLOCK EXTERNAL BATTERY  
SCALE: N/A



SUPPLIED BY FLOCK SAFETY  
MODEL 705-0002  
WEIGHT: 5.9 LB  
MOUNTING HARDWARE:  
FLOCK SUPPLIED  
MOUNTING BRACKET 204-00101

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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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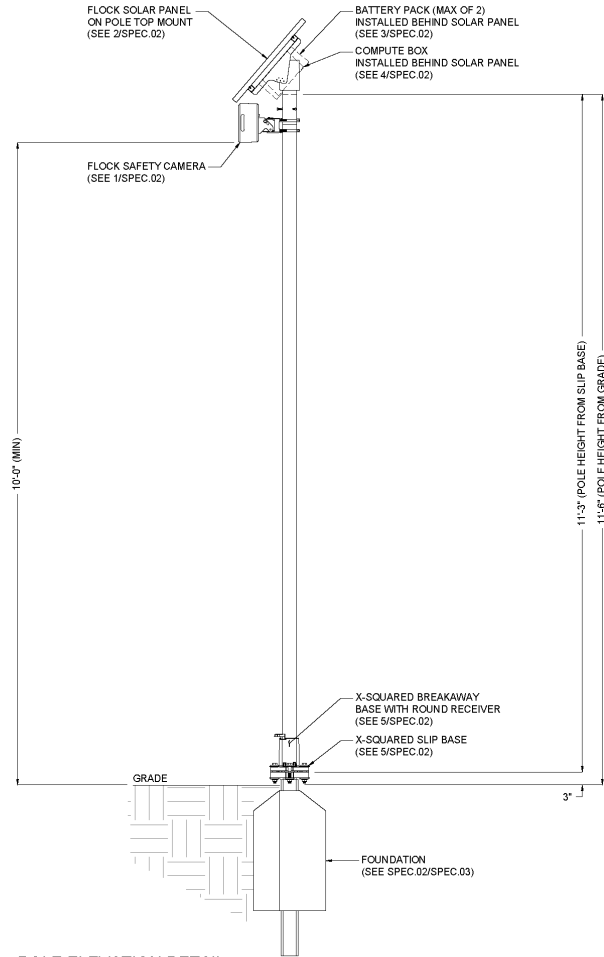
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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS

SHEET: **SPEC.04** REV: **0**



1 POLE ELEVATION DETAIL  
SCALE: 1:20

**DESIGN NOTES**

1. POLE AND FOUNDATIONS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES:
  - 1.1. 2009/2012/2015/2018/2021 INTERNATIONAL BUILDING CODE
  - 1.2. AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMIN, TRAFFIC SIGNALS, 2015 EDITION.
2. POLE ANALYSIS AND FOUNDATION DESIGN ARE BASED ON THE FOLLOWING CRITERIA
  - 2.1. DESIGN WIND SPEED (Vult): (SEE SECTION 2.6)
  - 2.2. RISK CATEGORY: II
  - 2.3. EXPOSURE CATEGORY: C
  - 2.4. TOPOGRAPHIC CATEGORY: 1
  - 2.5. SEISMIC DESIGN CRITERIA:
    - 2.5.1. SOIL SITE CLASS: D (ASSUMED)
    - 2.5.2. SPECTRAL RESPONSE S<sub>s</sub>: 1.000g (MAXIMUM)
    - 2.5.3. SPECTRAL RESPONSE S<sub>1</sub>: 0.400G (MAXIMUM)
    - 2.5.4. SEISMIC DESIGN CATEGORY: B
  - 2.6. STRUCTURE BASE REACTIONS ARE CALCULATED AS FOLLOWS:

DESIGN WIND SPEED (MPH)	MOMENT (K-FT)	SHEAR (KIP)	AXIAL (KIP)
115	2.70	0.280	0.180
125	3.20	0.330	0.180
135 (MAX)	3.70	0.380	0.180

- 2.7. SHOULD ANY OF THE SITE-SPECIFIC PARAMETERS BE HIGHER THAN WHAT IS NOTED ABOVE, THE EOR SHALL BE CONTACTED TO PROVIDE A REVISED DESIGN.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO INSTALLATION.
4. FOUNDATION TO CONSIST OF CONCRETE SURROUNDING THE PROPOSED POLE WITH A MINIMUM OF 3,000-PSI COMPRESSIVE STRENGTH.

**GENERAL & CONSTRUCTION NOTES**

1. CONTRACTOR SHALL CONTACT DESIGNATED AGENCY TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL JURISDICTION STANDARDS.
3. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL SITE CONDITION TO THE SATISFACTION OF STATE DEPARTMENT OF TRANSPORTATION AND LOCAL JURISDICTION.
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**ADA COMPLIANCE NOTES**

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4. NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK, UP TO AN ELEVATION OD 7'-0" ABOVE GRADE.

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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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0	10/10/2025	FLK	PRELIM

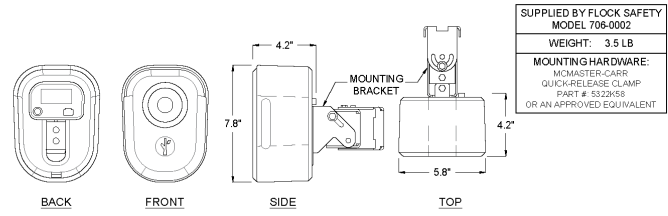
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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

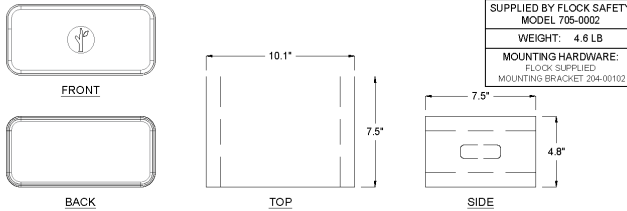
**COVER SHEET & LOCATION MAPS**

SHEET: <b>SPEC.05</b>	REV: <b>0</b>
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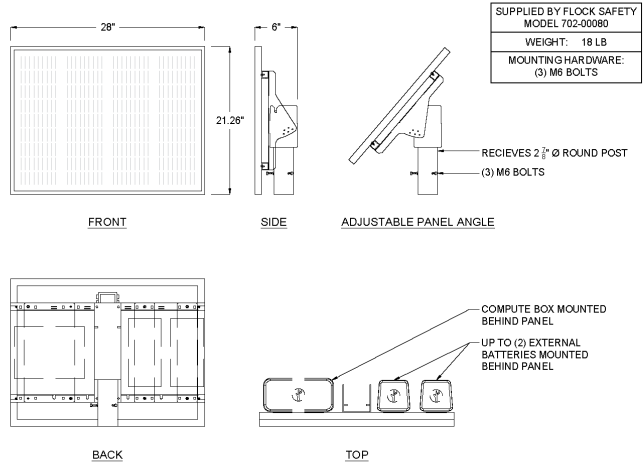
SUPPLIED BY FLOCK SAFETY  
MODEL 708-0002  
WEIGHT: 3.5 LB  
MOUNTING HARDWARE:  
MCMASTER-CARR  
QUICK-RELEASE CLAMP  
PART # 5322K58  
OR AN APPROVED EQUIVALENT

1 FLOCK SAFETY CAMERA  
SCALE: N/A



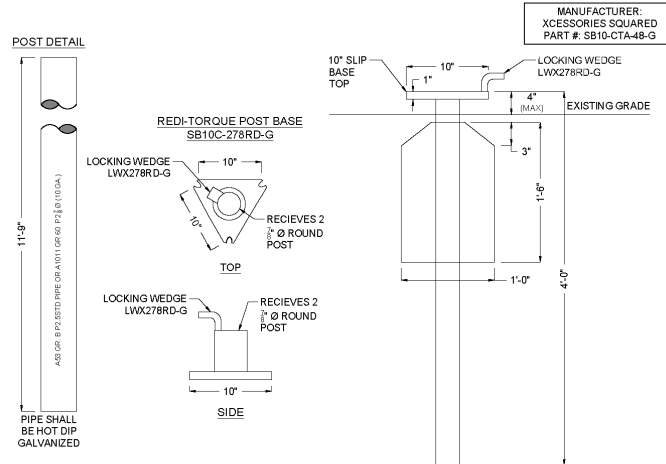
SUPPLIED BY FLOCK SAFETY  
MODEL 705-0002  
WEIGHT: 4.6 LB  
MOUNTING HARDWARE:  
FLOCK SUPPLIED  
MOUNTING BRACKET 204-00102

4 FLOCK COMPUTE BOX  
SCALE: N/A



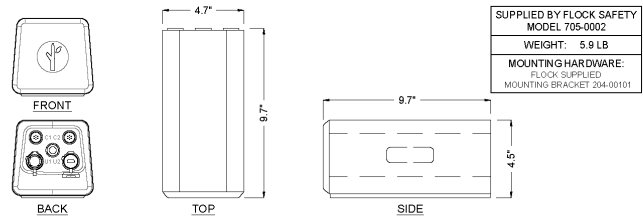
SUPPLIED BY FLOCK SAFETY  
MODEL 702-00080  
WEIGHT: 18 LB  
MOUNTING HARDWARE:  
(3) M6 BOLTS

2 65 WATT SOLAR PANEL AND MOUNT ASSEMBLY (TOP MOUNTED)  
SCALE: N/A



MANUFACTURER:  
XCESSORIES SQUARED  
PART # SB10-CTA-48-G

5 WINGED UNIBASE BREAKAWAY POLE BASE (SEE SPEC.03)  
SCALE: N/A



SUPPLIED BY FLOCK SAFETY  
MODEL 705-0002  
WEIGHT: 5.9 LB  
MOUNTING HARDWARE:  
FLOCK SUPPLIED  
MOUNTING BRACKET 204-00101

3 FLOCK EXTERNAL BATTERY  
SCALE: N/A

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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS

SHEET: <b>SPEC.06</b>	REV: <b>0</b>
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# INSTALLATION GUIDE REDI-TORQUE MODEL 280 OMNI DIRECTIONAL SLIP BASE (COMBINATION ANCHOR WITH LOWER SLIP PLATE). RECEIVES ROUND SIGN SUPPORT

RT280U-RD1 MASH-16 COMPLIANT FOR INTERSECTIONS and MAINLINE ROADWAYS  
NCHRP 350 CRITERIA - FHWA ACCEPTANCE LETTERS SS-134 & SS-134A

November 15, 2022 XCESSORIES SQUARED DEV. & MFG. CO., INC. AUBURN, IL 62615  
TEL: (800) 621-7948 FAX: (217) 438-3917 [www.x-sqrd.com](http://www.x-sqrd.com)

### PARTS LIST

#### A: Unibase - Lower Slip Plate

ITEM	QTY	DESCRIPTION
A	1	Combination Anchor/Lower Slip Plate

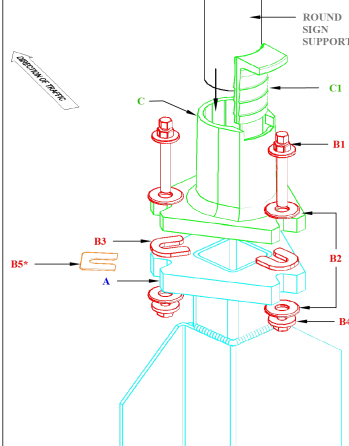
#### B: Redi-Torque Match Plate Hardware

ITEM	QTY	DESCRIPTION
B1	3	1/2" - 13 x 3" Gr. 8 Redi-Torque Bolt
B2	6	5/8" U.S.S. Flat Washer
B3	3	3/16" thick, Teflon Coated Slip Washer
B4	3	1/2" - 13 Gr. 8 large diameter Flange Nut
BS*	0	1/4" thick Leveling Shim

\* may not be necessary for every installation

#### C: Upper Slip Plate Sub-Assembly

ITEM	QTY	DESCRIPTION
C	1	Top Receiver for Round Sign Support
C1	1	Round Sign Support Locking Wedge



### STEP A

1. Install appropriate Unibase (A) plumb & squared up with road, with point of triangular slip plate facing oncoming traffic.
2. Depth of embedment to leave 2 1/2" (+1/2" - 3") from grade to top of Lower Slip Plate of Unibase (A).  
**NOTE:** For soil or concrete installation options, see details at lower left.  
**NOTE:** If installing in concrete, angle the footing hole shallow enough to be able to drive 3-4 inches of Unibase (A) into the bottom of the hole. This will help stabilize the unit as concrete is being poured and cured while also allowing for proper drainage.  
**NOTE:** On multi-leg installations, be sure that all Unibases are squared & lined up with each other.

### STEP B

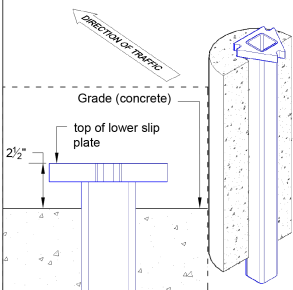
1. Place one each teflon coated Slip Washer (B3) on top of Lower Slip Plate of Unibase (A) at each notched point with open end of slot facing center of triangular slip plate. Leave enough room between the closed ends of the slot/notch to allow 3/8" Redi-Torque Bolt (B1) to pass through.
2. Place Upper Slip Plate (C) onto the three Slip Washers (B3) properly indexed so that the round post receiver notched portion is pointing toward oncoming traffic.
3. Slide 1 each 5/8" Flat Washer (B2) on to each Redi-Torque Bolt (B1) then insert Bolt (B1) with Washer (B2) down through notched points of Upper Slip Plate (C), slot of Slip Washer (B3) and notched point of Lower Slip Plate of Unibase (A).
4. Slide 1 each 1/2" Flat Washer (B2) up on exposed thread of each Bolt (B1) followed by threading 1 each 3/4" Flange Nut (B4) on to each Bolt (B1) as tight as can reasonably be attained using the 1/2" (larger) hex and NOT the 3/8" (smaller) hex.

### STEP C

1. Insert Round Sign Support into Upper Slip Plate (C) top receiver until support bottoms out.
2. With a hand held hammer, drive the round sign support Locking Wedge (C1) into the Slip Base Top (C) receiver at the pre-determined notch. (The Locking Wedge does not need to be driven flush with top of Upper Slip Plate receiver)  
**SHIMMING:** Before moving on to step 3, check the plumb of the sign support(s). If necessary, 1/4" thick Leveling Shim(s) (BS) may be used at the appropriate point(s) between slip plates. To re-plumb, loosen Bolt (B1) at desired point enough to lean the Upper Slip Plate (C) back and slide Leveling Shim (BS) into place. Shim(s) should be placed under Teflon Coated Slip Washer. Maximum of 2 each Leveling Shims per notched point.
3. After Locking wedge (C1) is securely in place, loosen each Bolt (B1) and Nut (B4), one at a time, then retighten each Bolt (B1), using the 3/8" (smaller) hex, until the 1/2" hex head twists off from the 3/4" hex head. This will set the proper torque level of 52 ft-lbs.

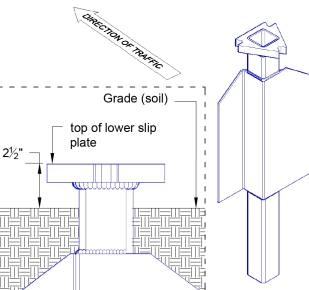
1. UP TO A MAXIMUM OF THREE OMNI DIRECTIONAL SLIP BASES WITH REDI-TORQUE MODEL 280 MATCHPLATE HARDWARE MAY BE INSTALLED WITHIN A SEVEN FOOT SPAN ON MAINLINE ROADWAY.
2. FOR ADDITIONAL WINDLOAD CAPABILITY, A HEAVIER GAUGE POST MAY BE USED.

#### CONCRETE INSTALLATION DETAIL

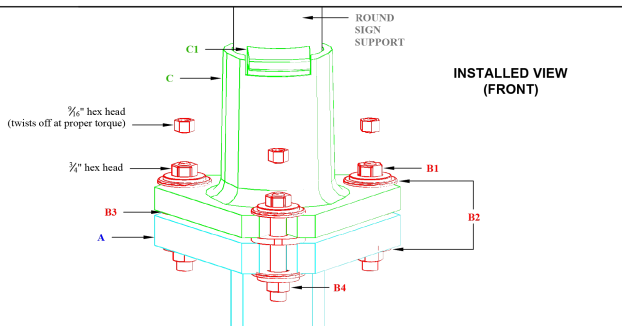


**NOTE:** Recommended footing size a minimum of 12" in diameter and 30" deep.

#### DIRECT DRIVEN SOIL INSTALLATION DETAIL



**NOTE:** Install with the widest bearing surface of the stabilizing wing parallel with the face of the sign.



#### REINSTALLATION PROCEDURE:

- NOTE:** All match plate hardware components are generally reusable except the Redi-Torque Bolts (B1).
1. Remove sign support Locking Wedge (C1) from Upper Slip Plate (C) receiver with a hand held hammer.
  2. Place Upper Slip Plate (C) on Lower Slip Plate of Unibase (A) to check for warpage and level of slip plates.
  3. Visually check all welds and castings for fractures or other damage.
  4. When assured both Lower Slip Plate (A) and Upper Slip Plate (C) are reusable employ new or reused hardware (B) with NEW Redi-Torque Bolts (B1) then follow installation procedures, starting with STEP B.

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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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0	10/10/2025	FLK	PRELIM

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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

#### COVER SHEET & LOCATION MAPS

SHEET: SPEC.07 REV: 0

**FLOCK SAFETY EQUIPMENT INSTALLATION**

**CASE NUMBER: 01019767**  
**PERMITTING JURISDICTION:**  
**Anoka County (County of), Right-of-Way**

**Anoka County (County of), Right-of-Way**  
**ON BEHALF OF**  
**MN - Coon Rapids PD**

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**CONTACT LIST**

**PERMITTING**

christine.strileckis@flocksafety.com

**PROJECT MANAGER**

alex.lawson@flocksafety.com

SEE APPROVED PERMIT FOR LISTED INSPECTOR\*

MN - Coon Rapids PD

01019767

Flock Safety  
 1170 HOWELL MILL ROAD SUITE 210  
 ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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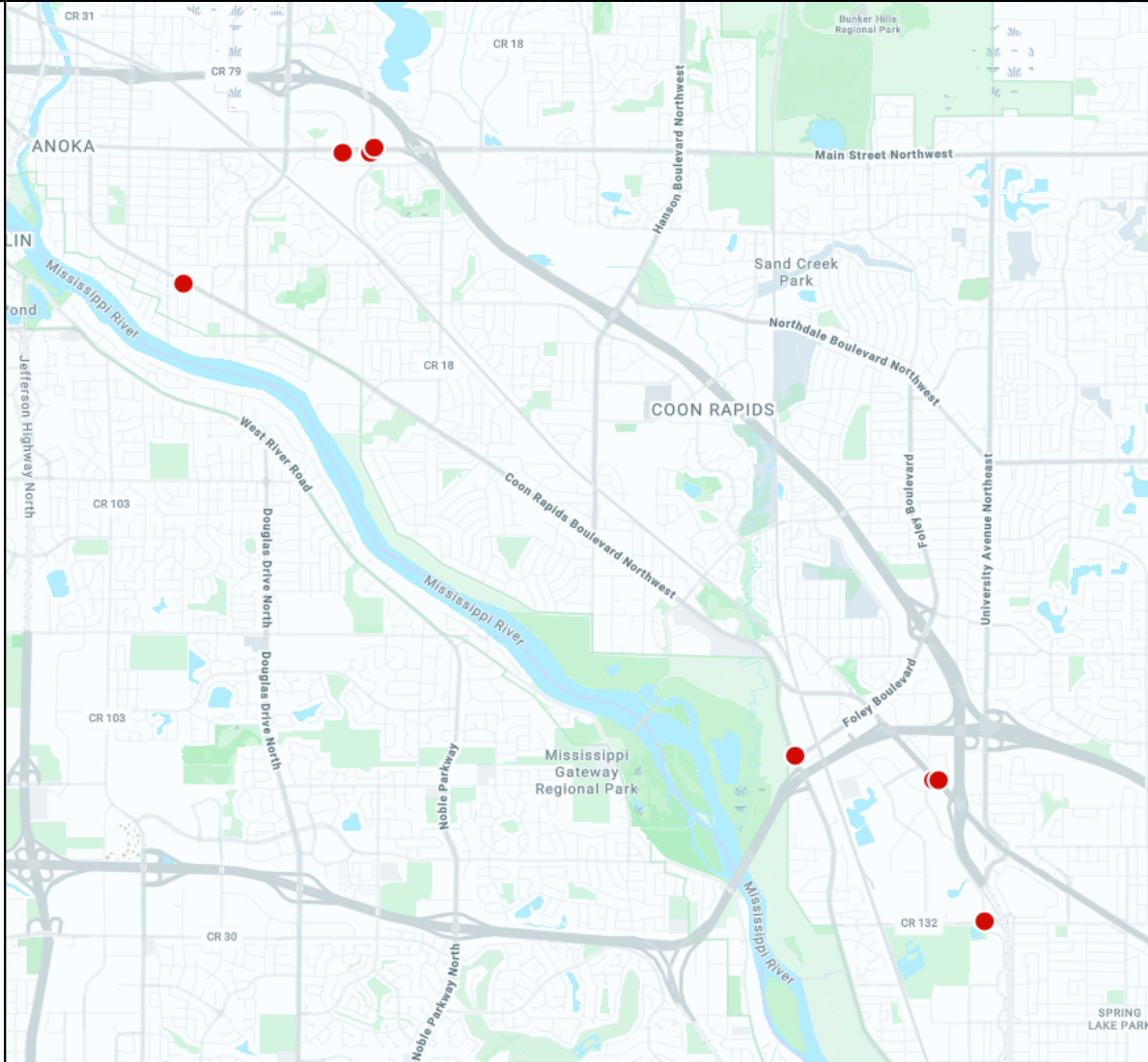
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**PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way**

**COVER SHEET & LOCATION MAPS**

<b>SHEET:</b> <b>T.01</b>	<b>REV:</b> <b>0</b>
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**DRAWING INDEX**

T.01	COVER SHEET & LOCATION MAPS
GN.01	GENERAL NOTES
A.01 - A.08	PLAN DRAWINGS
SPEC.01 - SPEC.07	EQUIPMENT & FOUNDATION DETAILS



**Know what's below.**  
**Call before you dig.**



**GENERAL & CONSTRUCTION NOTES**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE AND LOCAL AGENCY SPECIFICATIONS UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.
2. ALL WORK SHALL CONFORM TO ALL APPLICABLE ELECTRICAL CODES EXCEPT WHEN STATE DEPARTMENT OF TRANSPORTATION AND LOCAL AGENCY STANDARDS SUPERSEDE.
3. CONTRACTOR SHALL ENSURE ALL PROPOSED EQUIPMENT INSTALLED IS IN ACCORDANCE WITH NESC REQUIREMENTS AND CLEARANCES.
4. ALL CONSTRUCTION AND/OR MAINTENANCE ON THE MINNESOTA DEPARTMENT OF TRANSPORTATION RIGHT OF WAY SHALL CONFORM TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC DEVICES, THE MINNESOTA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, PLANS PREPARATION MANUAL AND DRAINAGE MANUAL.
5. THE PERMITTING AGENCY RESERVES THE RIGHT TO MAKE ADJUSTMENTS TO ANY PERMITTED METHODS OF INSTALLATION, SCOPE OF WORK AND RESTORATION THAT MAY BE REQUIRED TO POSITIVELY SUPPORT LIFE, SAFETY AND ENVIRONMENTAL WELL BEING OF ALL USERS OF THE TRANSPORTATION SYSTEM.
6. SHOULD A CONFLICT ARISE BETWEEN THE DETAILS SHOWN IN THE PLANS AND THE DEPARTMENT OF TRANSPORTATION STANDARDS, THE ENGINEER/PERMITTEE SHALL IMMEDIATELY CONFER WITH THE DEPARTMENT'S ENGINEER IN ORDER TO RESOLVE THE DISCREPANCY. IN NO CASE WILL ANYTHING LESS THAN THE DEPARTMENT'S MINIMUM STANDARDS BE ALLOWED.
7. FLOCK SAFETY SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES 48 HOURS PRIOR TO CONSTRUCTION.
- 7.1. INSTALLS INVOLVING FLOCK SAFETY PROVIDED POLES, A MINIMUM OF 2' SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES AND STORM DRAIN STRUCTURES.
8. THE PERMITTED WORK SCHEDULE IS DEFINED AS MONDAY THROUGH FRIDAY 7:00AM TO 5:30PM UNLESS OTHERWISE NOTED WITHIN THE PERMIT. ANY WORK DESIRED OUTSIDE OF THIS PERIOD MUST BE REQUESTED IN ADVANCE AND APPROVED BEFORE WORKING THE ALTERNATE SCHEDULE.
9. FLOCK SAFETY SHALL BE RESPONSIBLE TO APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL STANDARDS AS REQUIRED.
10. WORK INVOLVING TEMPORARY LANE CLOSURES ARE TO BE DONE BETWEEN THE HOURS OF 8:00AM AND 5:00PM. MONDAY THROUGH FRIDAY UNLESS OTHERWISE STATED BY THE DEPARTMENT OF TRANSPORTATION.
11. CONTRACTOR SHALL PROVIDE SAFE ACCESS PER CURRENT GENERAL STANDARDS FOR ALL PEDESTRIAN TRAFFIC REGULATIONS ON ALL EXCAVATIONS OPENED IN THE TRAFFIC ZONE CONTROL AREA.
12. NO PEDESTRIAN PATHWAY IS TO BE REMOVED, BLOCKED, OR DISTURBED WITHOUT HAVING A SUFFICIENT DESIGNATED TEMPORARY PEDESTRIAN PATHWAY WITH ALL APPROPRIATE PEDESTRIAN MAINTENANCE OF TRAFFIC SIGNS IN PLACE PRIOR TO PATHWAY BEING AFFECTED.
- 12.1. ALL TEMPORARY PEDESTRIAN PATHWAYS MUST BE FIRM AND UNYIELDING.
13. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTY IN THE VICINITY OF THE CONSTRUCTION.
14. NO WORK SHALL BE PERFORMED DURING THE WEEKS OF ANY STATE OR FEDERAL HOLIDAYS UNLESS OTHERWISE APPROVED BY THE MINNESOTA DEPARTMENT OF TRANSPORTATION.
15. ALL WORK ZONES ARE TO BE SET UP AND MAINTAINED BY SOMEONE WHO HAS THE MINNESOTA DEPARTMENT OF TRANSPORTATION INTERMEDIATE TRAFFIC CONTROL LEVEL TRAINING OR EQUIVALENT.
16. THE PERMITTING AGENCY RETAINS THE RIGHT TO MAKE ALTERATIONS TO THE PERMIT, ATTACHED SKETCH OR CHARACTER OF WORK AS MAY BE CONSIDERED NECESSARY OR DESIRABLE DURING THE PROGRESS OF THE WORK FOR SATISFACTORY COMPLETION OF THE PROPOSED CONSTRUCTION.
17. THE PERMITTEE SHALL NOTIFY THE PERMITTING AGENCY OF DATE OF COMPLETION, REQUEST A FINAL INSPECTION AND A NOTICE OF FINAL ACCEPTANCE.
18. IF THE PROPOSED CANNOT BE INSTALLED PER THE APPROVED PERMITTED PLAN AND BY GENERAL SPECIFICATIONS, A REVISED PLAN MUST BE PROVIDED TO THE DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO THE INSTALLATION OF PRODUCTS OR MATERIALS AT THE GIVEN LOCATIONS WHERE CONFLICTS OCCUR.
19. CONTRACTOR SHALL RESTORE RIGHT-OF-WAY TO EQUAL OR BETTER CONDITION UPON COMPLETION OF WORK AND TO THE SATISFACTION OF THE STATE DEPARTMENT OF TRANSPORTATION AND LOCAL AGENCY AT NO ADDITIONAL COMPENSATION.
- 19.1. RESTORATION MAY INCLUDE BUT IS NOT LIMITED TO GRADING AND SODDING IN ANY DISTURBED AREA.
- 19.2. ANY SIDEWALK DISTURBED WILL BE REPLACED BY SECTION WITHIN 72 HOURS TO THE STATE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
20. IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO GENERAL FACILITIES AND/OR PRIVATE PROPERTY CAUSED BY CONSTRUCTION OF THE PROJECT.
21. ALL ROADWAY PAVEMENT, CURBS, GUTTERS AND STORM WATER COLLECTORS WILL BE KEPT FREE OF MUD AND OTHER DEBRIS AT ALL TIMES DURING CONSTRUCTION.
22. NO STOCKPILING, STORING OR SEMI PERMANENT USE OF THE RIGHT OF WAY IS AUTHORIZED UNLESS SPECIFICALLY IDENTIFIED WITHIN THE PERMIT.
23. THE CONTRACTOR SHALL HAVE AN AUTHORIZED PERSON AVAILABLE AT/OR NEAR THE WORK SITE TO ADDRESS EMERGENCY ISSUES ASSOCIATED WITH THE PROJECT.

**ADA COMPLIANCE NOTES**

1. ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II AND ALL STATE DEPARTMENT OF TRANSPORTATION AND LOCAL STANDARDS. USE STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS FOR PEDESTRIAN CONTROL PLANS FOR CLOSURE OF SIDEWALK.
2. MINIMUM SIDEWALK CLEAR PEDESTRIAN ACCESS ROUTE (PAR) IS 48" WIDE.
3. NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK UP TO 7'-0" IN HEIGHT.

**DRAWINGS**

1. THE WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE FOLLOWING ATTACHED DRAWINGS THAT ARE HEREBY MADE A PART OF THE STATEMENT OF WORK, BY THIS REFERENCE.

**SPECIFICATIONS**

1. THE WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE SPECIFICATIONS CONTAINED IN THAT CERTAIN "MASTER AGREEMENT, OUTSIDE PLANT MAINTENANCE CONSTRUCTION SERVICES," PROVIDED THAT SUCH AN AGREEMENT EXISTS BETWEEN FLOCK SAFETY AND CONTRACTOR. IN THE ABSENCE OF SUCH AN AGREEMENT, THE SPECIFICATIONS CONTAINED IN AN AGREEMENT TO BE EXECUTED BY THE PARTIES PRIOR TO THE COMMENCEMENT OF WORK SHALL GOVERN.

**MATERIALS**

1. INSTALLER SHALL RECEIVE FLOCK SAFETY MATERIALS AT A FLOCK SAFETY LEASED WAREHOUSE FACILITY OR AT THE LOCAL TSO LOCATED AT (CONTACT 24 HOURS IN ADVANCE): 1170 HOWELL MILL RD NW, ATLANTA, GA 30318.
  - 1.1. ALL UNUSED AND REQUESTED SALVAGED MATERIAL TO BE RETURNED TO SAME ADDRESS.
2. THE RECEIPT OF ALL MATERIALS SHALL BE CONSTRUED AS CONCLUSIVE EVIDENCE THAT THE CONTRACTOR HAS MADE ALL NECESSARY EXAMINATION AND INSPECTIONS, AND IS SATISFIED AS TO THE QUALITY AND QUANTITY OF MATERIALS RECEIVED.
3. ANY AND ALL MATERIALS THAT MAY BECOME LOST, STOLEN OR DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S SOLE EXPENSE, AND ANY DELAY INCURRED SHALL NOT BE CAUSE FOR AN EXTENSION IN TIME

**SAFETY AND PRECAUTIONS**

1. ALL PERSONNEL ARE REQUIRED TO ABIDE BY ALL RULES AND REGULATIONS SET FORTH IN THE FLOCK SAFETY REQUIREMENTS, RAILROAD SAFETY CODE AND GOVERNING JURISDICTION.
2. THE WORK UNDER THIS INSTALLATION WILL BE CONSTRUCTED ALONG RIGHTS OF WAY THAT MAY CONTAIN EXISTING AND OPERATIONAL UTILITIES. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND FOR COMPLIANCE WITH THE REQUIREMENTS OF ANY STATEWIDE AND / OR LOCAL AREA IN ADVANCE OF ANY EXCAVATION, BORING OR PLACING WORK AND THE CONTRACTOR SHALL LOCATE AND EXPOSE BY HAND ALL EXISTING SUBSURFACE PLANT. ANY DAMAGE CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S SOLE EXPENSE AND ANY DELAY INCURRED SHALL NOT BE CAUSE FOR AN EXTENSION IN THE TIME OF THE CONTRACT.
3. INSTALLER SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF PUBLIC AND PRIVATE PROPERTIES. INSTALLER SHALL PROTECT, SHORE, BRACE, SUPPORT AND MAINTAIN ALL UNDERGROUND PIPES, CONDUITS, DRAINS AND OTHER SUBSURFACE STRUCTURES UNCOVERED OR OTHERWISE AFFECTED BY THE WORK.
4. INSTALLER SHALL BE RESPONSIBLE FOR ALL DAMAGE TO STREETS, ROADS, HIGHWAYS, SHOULDERS, DITCHES, EMBANKMENTS, CULVERTS, BRIDGES OR OTHER PUBLIC OR PRIVATE PROPERTY OR FACILITY, REGARDLESS OF LOCATION OR CHARACTER, WHICH MAY BE CAUSED BY THE WORK, OR BY MOVING, HAULING, OR OTHERWISE TRANSPORTING EQUIPMENT, MATERIALS OR WORKERS TO OR FROM WORK OR ANY SITE THEREOF, WHETHER BY THE CONTRACTOR OR SUBCONTRACTORS.

**STAKING AND SCHEDULING**

1. ALL STAKING WILL BE PROVIDED BY FLOCK SAFETY. REQUIRED RIGHT OF WAY CLEARING SHALL BE COMPLETED PRIOR TO STAKING; THEREFORE, THE INSTALLER SHALL COORDINATE ALL CLEARING AND PLACING OPERATIONS WITH THE FLOCK SAFETY PROJECT SUPERVISOR TO AVOID DELAYS AND INTERFERENCE.
2. FLOCK SAFETY WILL PROVIDE RAILROAD, FLAGMEN AND SIGNALMEN AS REQUIRED; HOWEVER, THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE ITS NEEDS FOR SUCH SIGNALMEN AND FLAGMEN WITH FLOCK SAFETY.
3. IN ADDITION TO THE SCHEDULING REQUIREMENTS IN THE GENERAL PROVISIONS, UPON REQUEST THE CONTRACTOR SHALL ALSO SUBMIT TO THE FLOCK SAFETY PROJECT SUPERVISOR, DAILY CREW ASSIGNMENT REPORTS SPECIFYING CREW AND CREW COMPOSITION AND WORK LOCATION.

**PERMITS**

1. FLOCK SAFETY HAS OBTAINED OR WILL OBTAIN PERMITS FROM DEPARTMENTS AND/OR AGENCIES OF CITIES, COUNTIES, STATES, FEDERAL GOVERNMENT, RAILROAD OR OTHER ENTITIES, WHICH PROVIDE FOR THE PLACING OF PIPES AND/OR CABLE UNDER DITCH, TRACKS AND ROADS AND PLACING PIPES AND/OR CABLE ALONG AND WITHIN PUBLIC OR PRIVATE ROAD RIGHTS OF WAY AND RAILROAD RIGHTS.
2. CONTRACTOR SHALL OBTAIN ADDITIONAL PERMITS, IF REQUIRED, FOR EQUIPMENT ACCESS OR MOVEMENT ON PUBLIC ROADS AND RAILROADS. COPIES OF SUCH PERMITS SHALL BE FURNISHED TO FLOCK SAFETY. ALL TRAFFIC CONTROL, IF APPLICABLE, SHALL BE IN ACCORDANCE WITH LOCAL, STATE, COUNTY, OR PERMITTING AGENCY LAWS, REGULATIONS, AND REQUIREMENTS, AND WILL BE THE CONTRACTOR'S RESPONSIBILITY. TRAFFIC CONTROL PLANS PROVIDED BY CURRENT MINNESOTA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS.

**SCOPE OF WORK**

1. THIS PROJECT SHALL CONSIST OF THE FOLLOWING OPERATIONS: THE WORK PACKAGE IS FOR THE INSTALLATION OF FLOCK SAFETY ALPR CAMERAS WHICH INCLUDES BUT IS NOT LIMITED TO: FLOCK SAFETY PROVIDED POLES, POLE MOUNTED SOLAR PANELS, AND EXTERNAL BATTERY PACKAGES.

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MN - Coon Rapids PD

01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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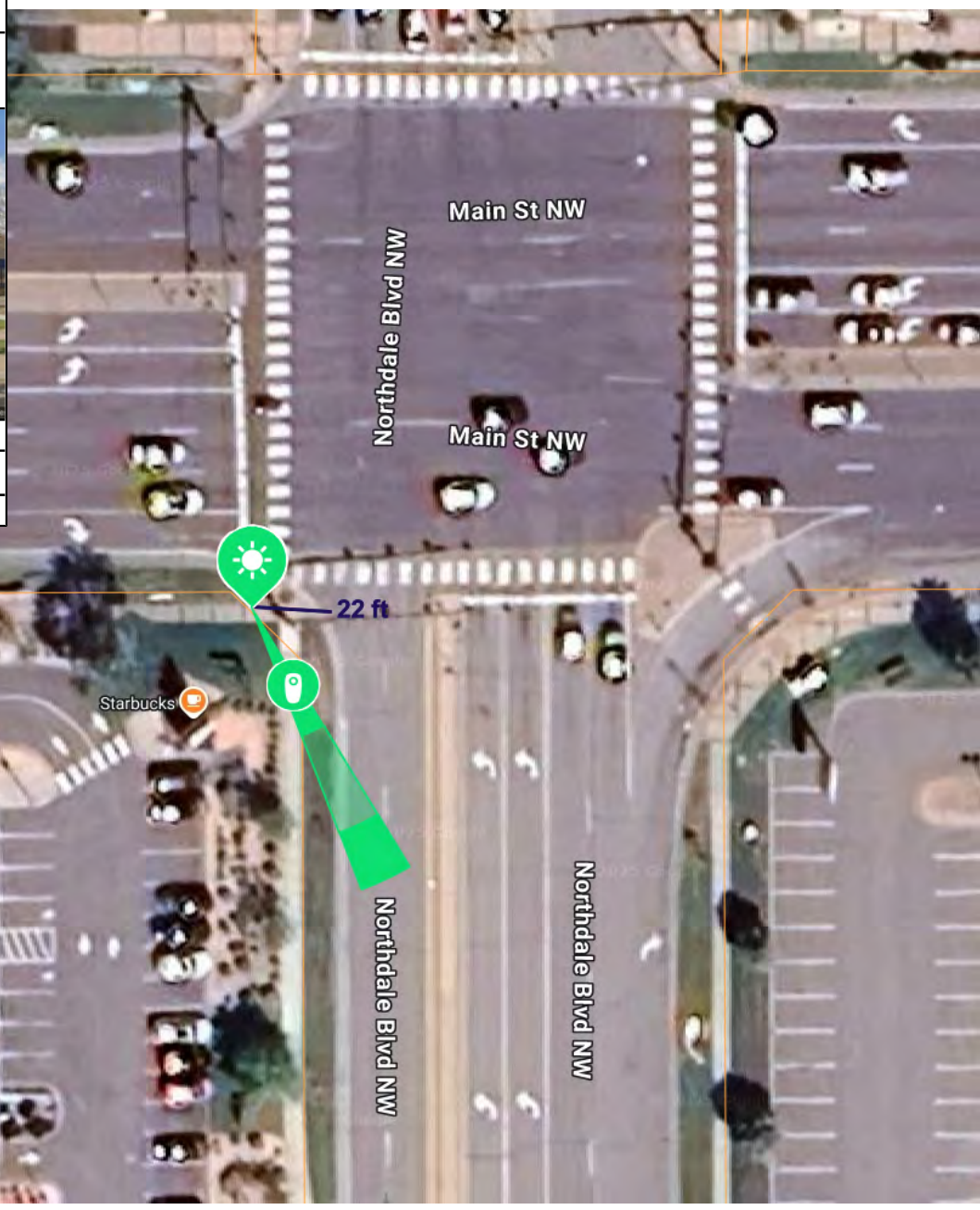
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FLOCK SAFETY EQUIPMENT INSTALLATION

CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>GN.01</b>	REV: <b>0</b>

FLOCK LOCATION DETAILS			
LOCATION NAME: P#002 Northdale Blvd NW @ 125th Ave NW SB			
GEOGRAPHIC COORDINATES: 45.19733185113517,-93.34706376393594			
			
STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
3188 Northdale Blvd NW	0		22 ft
Corresponding Spec Sheet		Spec.01-02	



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1170 HOWELL MILL ROAD SUITE 210  
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PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.01</b>	REV: <b>0</b>

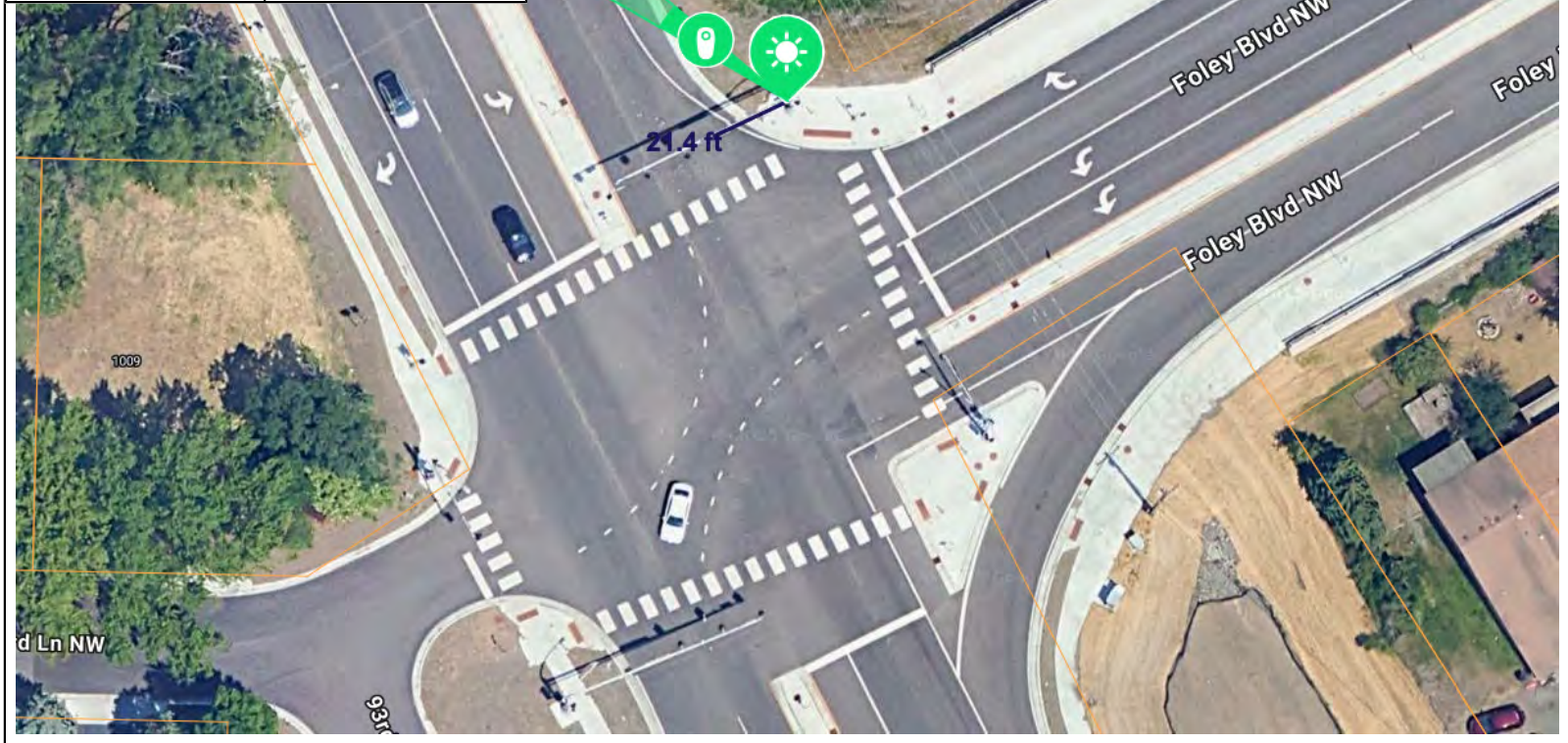


**FLOCK LOCATION DETAILS**

LOCATION NAME: P#003 E River Rd NW @ Foley Blvd NW NB  
 GEOGRAPHIC COORDINATES:  
 45.140353167354945,-93.29152464422626



STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
975 Foley Blvd NW	0		21.4 ft
Corresponding Spec Sheet		Spec.01-02	



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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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0	10/10/2025	FLK	PRELIM

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**FLOCK SAFETY EQUIPMENT INSTALLATION**  
 CASE NUMBER: 01019767  
 PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.02</b>	REV: <b>0</b>

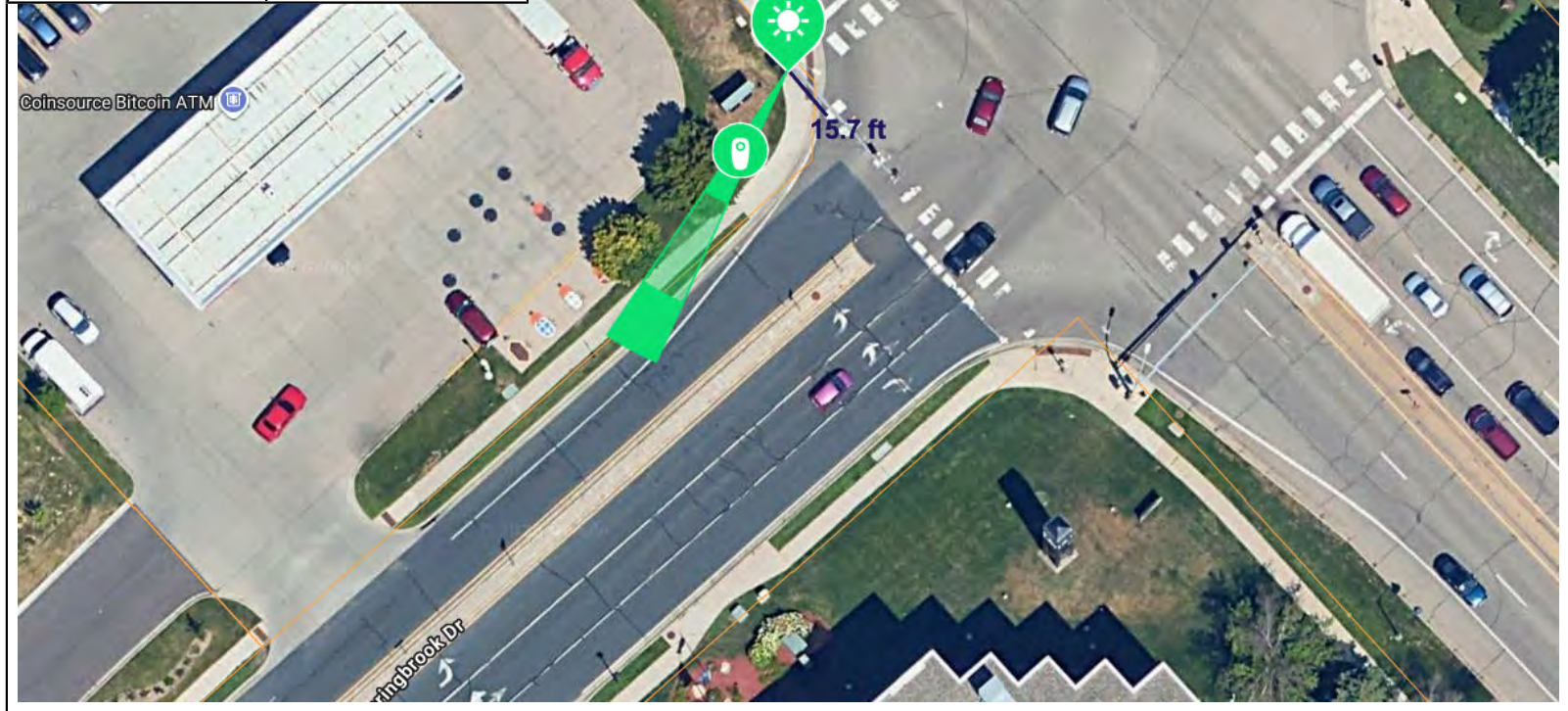


**FLOCK LOCATION DETAILS**

LOCATION NAME: P#005 Springbrook Dr NW @ Coon Rapids Blvd NW SB  
 GEOGRAPHIC COORDINATES:  
 45.138056474803385,-93.27358683578123



STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
288 Coon Rapids Blvd NW	0		15.7 ft
Corresponding Spec Sheet		Spec.03-04	



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Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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**FLOCK SAFETY EQUIPMENT INSTALLATION**  
 CASE NUMBER: 01019767  
 PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.03</b>	REV: <b>0</b>



FLOCK LOCATION DETAILS			
LOCATION NAME: P#007 Springbrook Dr @ 85th Ave NW NB			
GEOGRAPHIC COORDINATES: 45.12475949760212,-93.26687084044916			
			
Google			
STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
8501 Springbrook Dr NW	0		16.8 ft
Corresponding Spec Sheet		Spec.01-02	



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Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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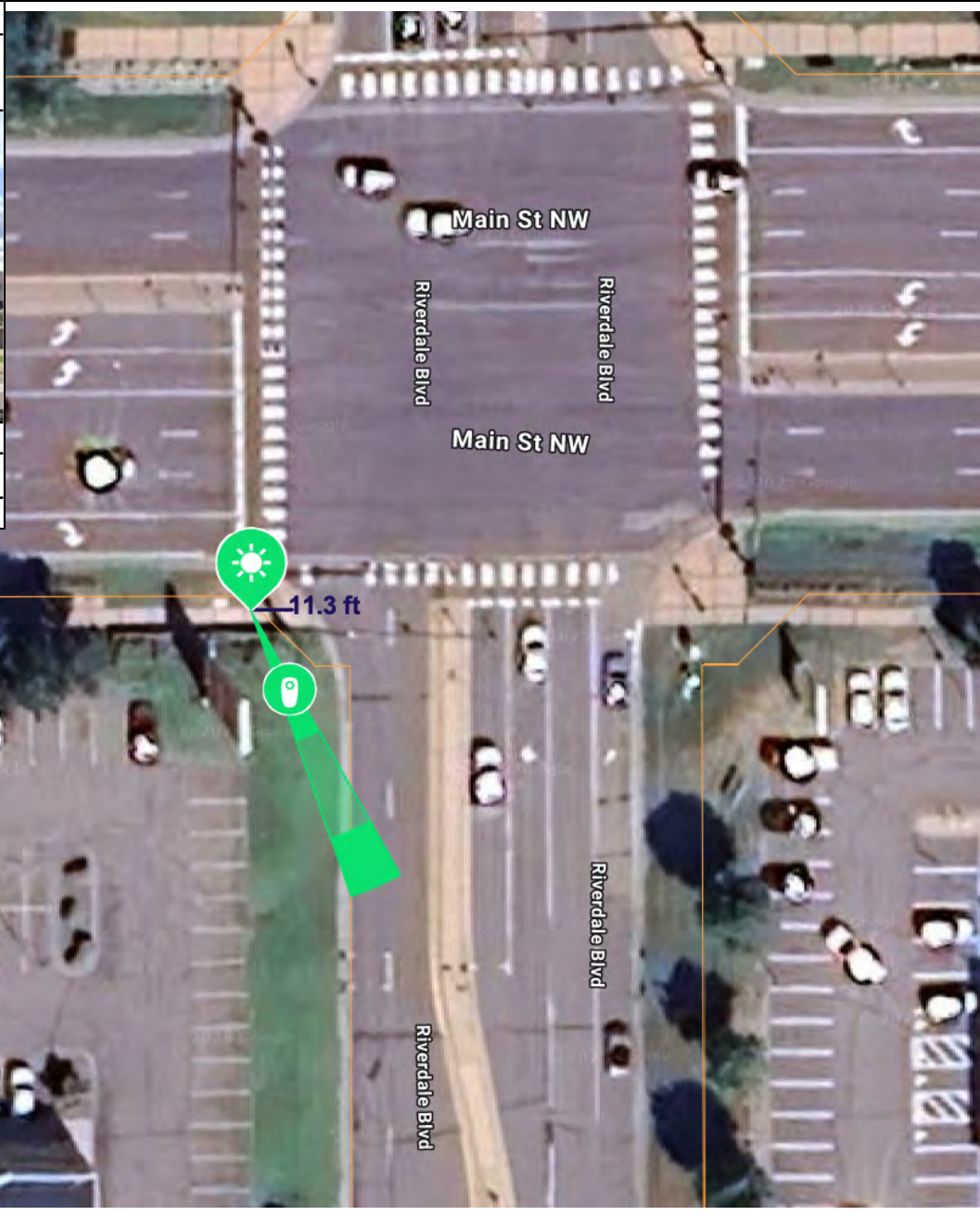
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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.04</b>	REV: <b>0</b>



FLOCK LOCATION DETAILS			
LOCATION NAME: P#008 Riverdale Blvd NW @ 125th Ave NW SB			
GEOGRAPHIC COORDINATES: 45.19732411921876,-93.35064232450871			
			
Google			
STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
12485 Riverdale Blvd NW	0		11.3 ft
Corresponding Spec Sheet		Spec.01-02	



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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.05</b>	REV: <b>0</b>



**FLOCK LOCATION DETAILS**

LOCATION NAME: P#009 Northdale Blvd NW @ Main St NW NB  
 GEOGRAPHIC COORDINATES:  
 45.1977686030251,-93.34659384301213

STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
3219 Northdale Blvd NW	0		11.2 ft

Corresponding Spec Sheet: Spec.01-02



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Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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0	10/10/2025	FLK	PRELIM

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FLOCK SAFETY EQUIPMENT INSTALLATION  
 CASE NUMBER: 01019767  
 PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.06</b>	REV: <b>0</b>



**FLOCK LOCATION DETAILS**

LOCATION NAME: P#010 Coon Rapids Blvd NW @ Dakotah St EB  
 GEOGRAPHIC COORDINATES:  
 45.18493407024805,-93.37135090332133



STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
3660 Coon Rapids Blvd NW	0		13.5 ft
Corresponding Spec Sheet		Spec.05-07	



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MN - Coon Rapids PD  
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Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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**FLOCK SAFETY EQUIPMENT INSTALLATION**  
 CASE NUMBER: 01019767  
 PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.07</b>	REV: <b>0</b>

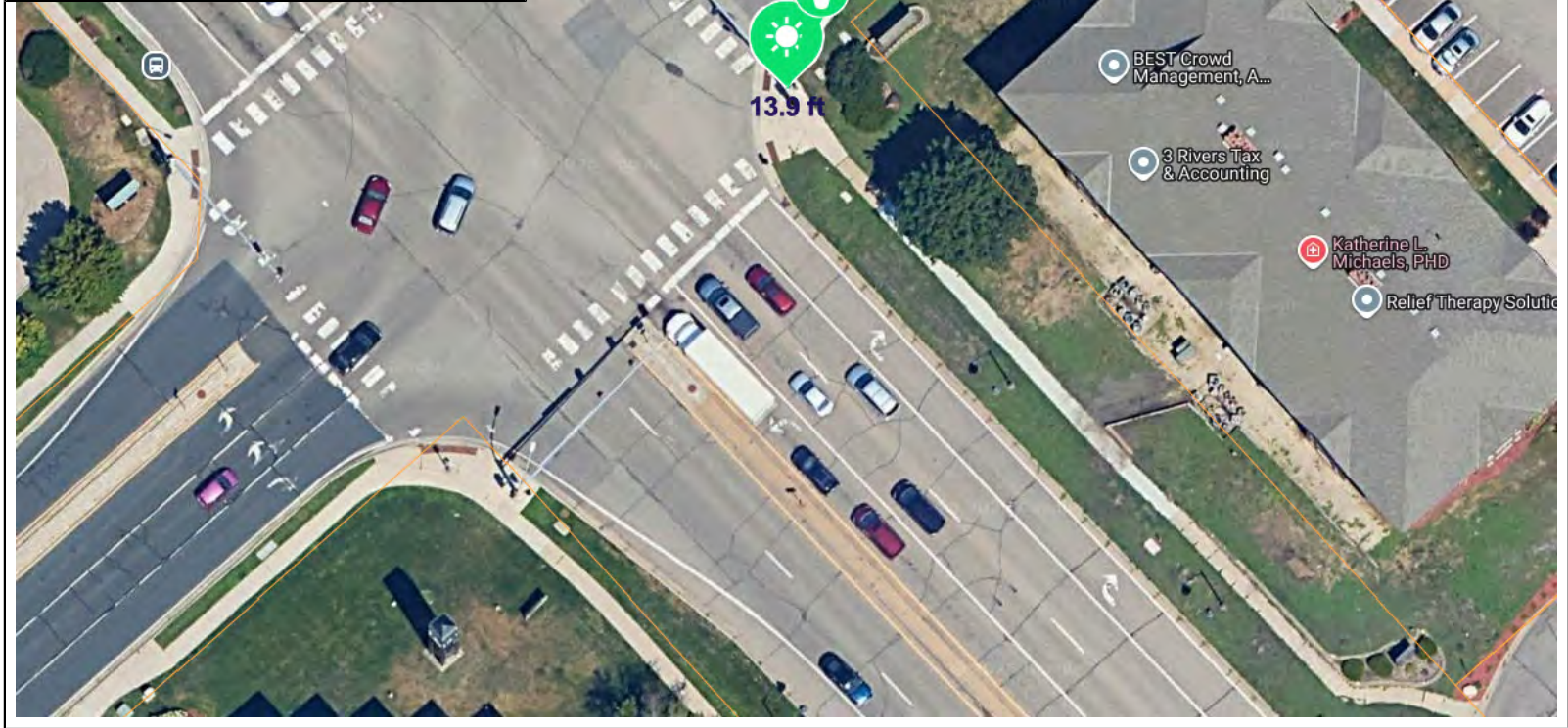


**FLOCK LOCATION DETAILS**

LOCATION NAME: P#011 Springbrook Dr @ Coon Rapids Blvd NB  
 GEOGRAPHIC COORDINATES:  
 45.13811891785419,-93.27294732210802



STREET NAME/SR #	SPEED LIMIT	TRAFFIC VOLUME	EOP DISTANCE
199 Coon Rapids Blvd NW	0		13.9 ft
Corresponding Spec Sheet		Spec.01-02	



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MN - Coon Rapids PD  
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Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

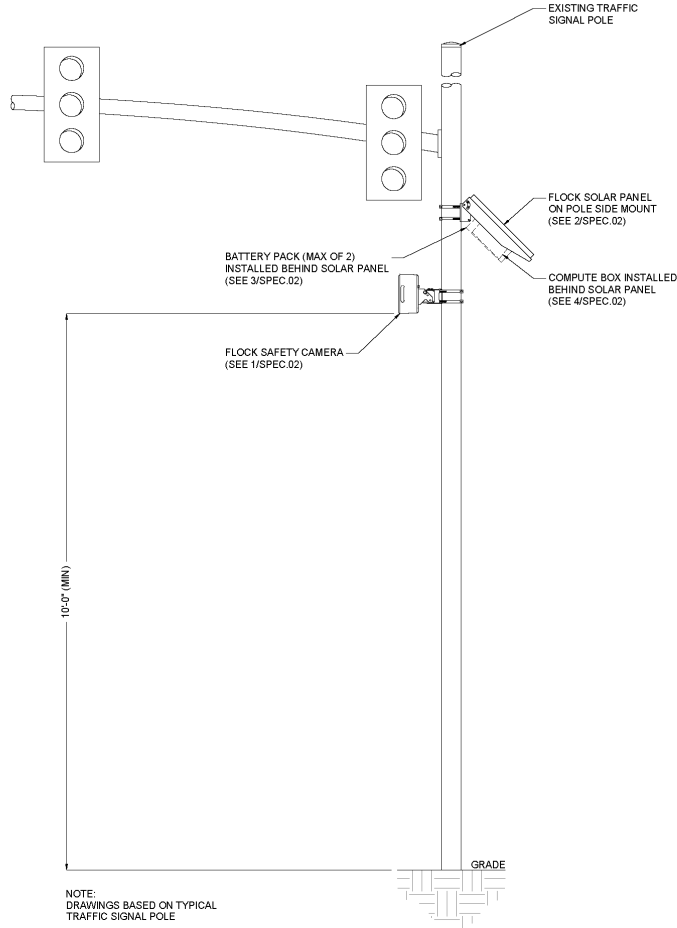
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FLOCK SAFETY EQUIPMENT INSTALLATION  
 CASE NUMBER: 01019767  
 PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>A.08</b>	REV: <b>0</b>



NOTE:  
DRAWINGS BASED ON TYPICAL  
TRAFFIC SIGNAL POLE

1 POLE ELEVATION DETAIL  
SCALE: N/A

**GENERAL & CONSTRUCTION NOTES**

1. CONTRACTOR SHALL APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL JURISDICTION STANDARDS.
2. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL SITE CONDITION TO THE SATISFACTION OF STATE DEPARTMENT OF TRANSPORTATION AND LOCAL JURISDICTION
3. ALL WORK SHALL CONFORM TO APPLICABLE ELECTRICAL CODES EXCEPT WHEN STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION STANDARDS SUPERSEDE.
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS DEFINED BY THE STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION, UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.

**ADA COMPLIANCE NOTES**

1. ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II, STATE DEPARTMENT OF TRANSPORTATION, AND LOCAL JURISDICTION STANDARDS.
2. STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS SHALL BE USED FOR PEDESTRIAN CONTROL PLANS WHEN CLOSURE OF SIDEWALK IS REQUIRED FOR CONSTRUCTION.
3. MINIMUM CLEAR PEDESTRIAN ACCESS ROUTE (PAR) SHALL BE 48" WIDE.
4. NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK, UP TO AN ELEVATION OD 7'-0" ABOVE GRADE.

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Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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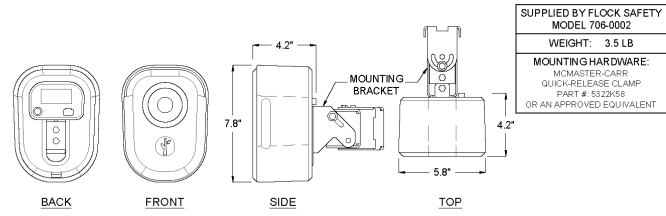
**FLOCK SAFETY EQUIPMENT INSTALLATION**

CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

**COVER SHEET & LOCATION MAPS**

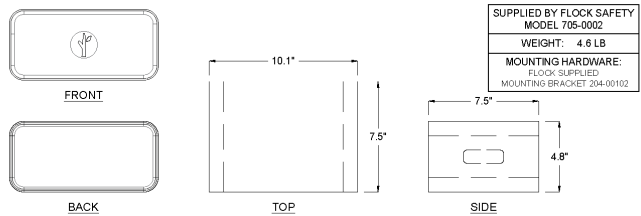
SHEET:  
**SPEC.01**

REV:  
**0**



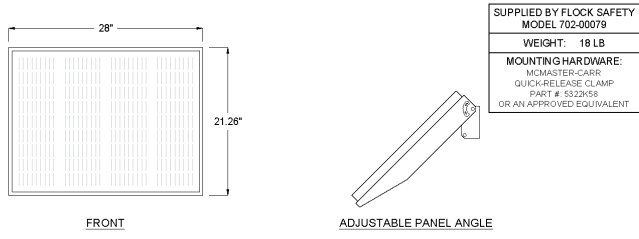
SUPPLIED BY FLOCK SAFETY  
MODEL 708-0002  
WEIGHT: 3.5 LB  
MOUNTING HARDWARE:  
MCMASTER-CARR  
QUICK-RELEASE CLAMP  
PART # 5322K58  
OR AN APPROVED EQUIVALENT

1 FLOCK SAFETY CAMERA  
SCALE: N/A



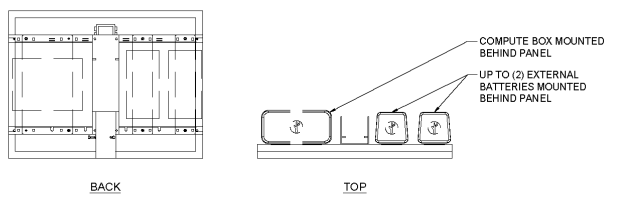
SUPPLIED BY FLOCK SAFETY  
MODEL 705-0002  
WEIGHT: 4.6 LB  
MOUNTING HARDWARE:  
FLOCK SUPPLIED  
MOUNTING BRACKET 204-00102

4 FLOCK COMPUTE BOX  
SCALE: N/A



SUPPLIED BY FLOCK SAFETY  
MODEL 702-00079  
WEIGHT: 18 LB  
MOUNTING HARDWARE:  
MCMASTER-CARR  
QUICK-RELEASE CLAMP  
PART # 5322K58  
OR AN APPROVED EQUIVALENT

2 65 WATT SOLAR PANEL AND MOUNT ASSEMBLY (SIDE MOUNTED)  
SCALE: N/A



SUPPLIED BY FLOCK SAFETY  
MODEL 705-0002  
WEIGHT: 5.9 LB  
MOUNTING HARDWARE:  
FLOCK SUPPLIED  
MOUNTING BRACKET 204-00101

3 FLOCK EXTERNAL BATTERY  
SCALE: N/A

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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

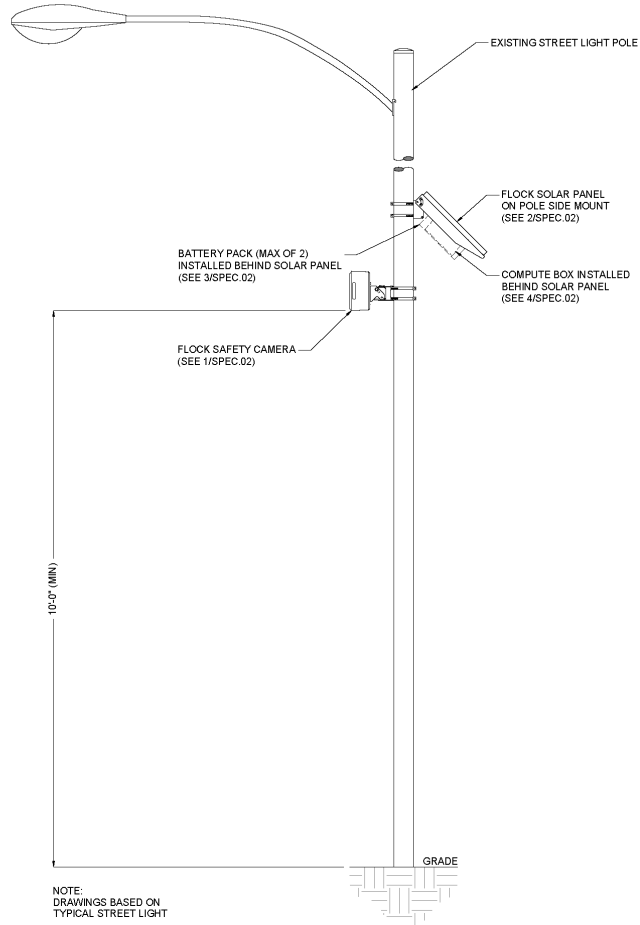
REV	DATE	BY	DESCRIPTION
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0	10/10/2025	FLK	PRELIM

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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>SPEC.02</b>	REV: <b>0</b>



1 POLE ELEVATION DETAIL  
SCALE: N/A

**GENERAL & CONSTRUCTION NOTES**

1. CONTRACTOR SHALL APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL JURISDICTION STANDARDS.
2. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL SITE CONDITION TO THE SATISFACTION OF STATE DEPARTMENT OF TRANSPORTATION AND LOCAL JURISDICTION
3. ALL WORK SHALL CONFORM TO APPLICABLE ELECTRICAL CODES EXCEPT WHEN STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION STANDARDS SUPERSEDE.
4. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH SPECIFICATIONS DEFINED BY THE STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION, UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.

**ADA COMPLIANCE NOTES**

1. ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II, STATE DEPARTMENT OF TRANSPORTATION, AND LOCAL JURISDICTION STANDARDS.
2. STATE DEPARTMENT OF TRANSPORTATION CURRENT EDITION STANDARDS SHALL BE USED FOR PEDESTRIAN CONTROL PLANS WHEN CLOSURE OF SIDEWALK IS REQUIRED FOR CONSTRUCTION.
3. MINIMUM CLEAR PEDESTRIAN ACCESS ROUTE (PAR) SHALL BE 48" WIDE.
4. NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK, UP TO AN ELEVATION OD 7'-0" ABOVE GRADE.

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MN - Coon Rapids PD

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Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
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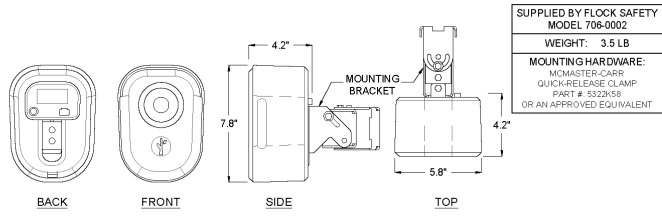
FLOCK SAFETY EQUIPMENT INSTALLATION

CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS

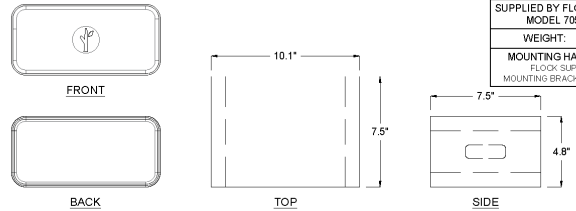
SHEET:  
**SPEC.03**

REV:  
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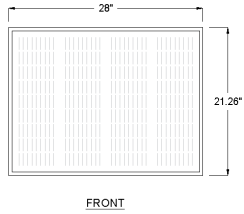
SUPPLIED BY FLOCK SAFETY  
MODEL 708-0002  
WEIGHT: 3.5 LB  
MOUNTING HARDWARE:  
MCMASTER-CARR  
QUICK-RELEASE CLAMP  
PART # 5322K58  
OR AN APPROVED EQUIVALENT

1 FLOCK SAFETY CAMERA  
SCALE: N/A

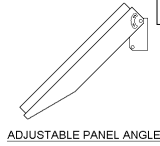


SUPPLIED BY FLOCK SAFETY  
MODEL 705-0002  
WEIGHT: 4.6 LB  
MOUNTING HARDWARE:  
FLOCK SUPPLIED  
MOUNTING BRACKET 204-00102

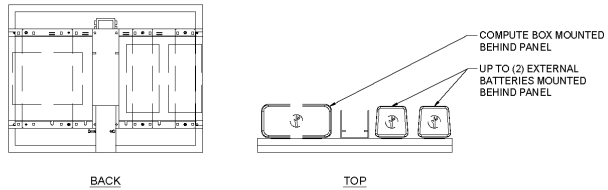
4 FLOCK COMPUTE BOX  
SCALE: N/A



SUPPLIED BY FLOCK SAFETY  
MODEL 702-00079  
WEIGHT: 18 LB  
MOUNTING HARDWARE:  
MCMASTER-CARR  
QUICK-RELEASE CLAMP  
PART # 5322K58  
OR AN APPROVED EQUIVALENT



2 65 WATT SOLAR PANEL AND MOUNT ASSEMBLY (SIDE MOUNTED)  
SCALE: N/A



SUPPLIED BY FLOCK SAFETY  
MODEL 705-0002  
WEIGHT: 5.9 LB  
MOUNTING HARDWARE:  
FLOCK SUPPLIED  
MOUNTING BRACKET 204-00101

3 FLOCK EXTERNAL BATTERY  
SCALE: N/A

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MN - Coon Rapids PD  
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Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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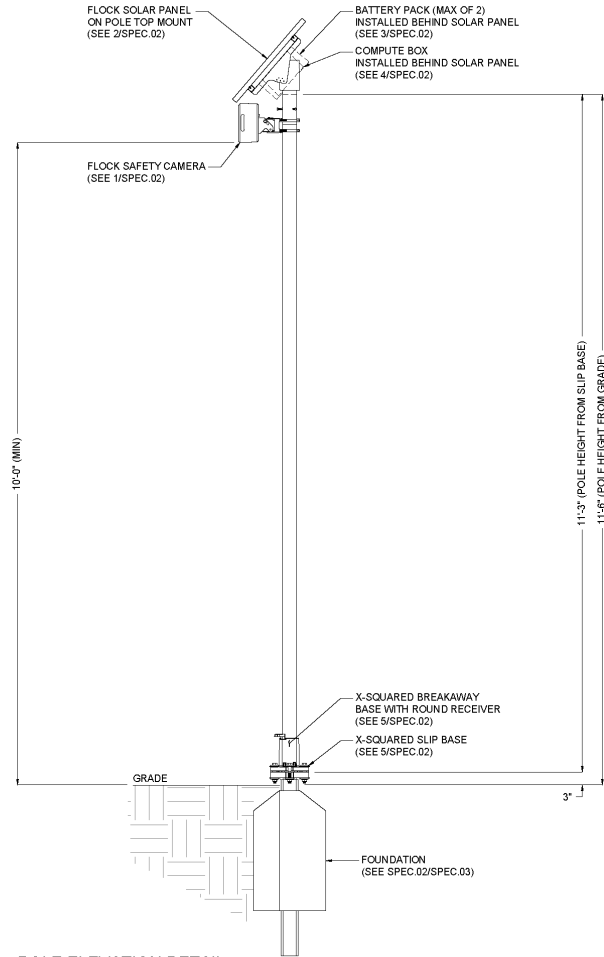
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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS

SHEET: **SPEC.04** REV: **0**





1 POLE ELEVATION DETAIL  
SCALE: 1:20

**DESIGN NOTES**

1. POLE AND FOUNDATIONS ARE DESIGNED IN ACCORDANCE WITH THE FOLLOWING CODES:
  - 1.1. 2009/2012/2015/2018/2021 INTERNATIONAL BUILDING CODE
  - 1.2. AASHTO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMIN, TRAFFIC SIGNALS, 2015 EDITION.
2. POLE ANALYSIS AND FOUNDATION DESIGN ARE BASED ON THE FOLLOWING CRITERIA
  - 2.1. DESIGN WIND SPEED (Vult): (SEE SECTION 2.6)
  - 2.2. RISK CATEGORY: II
  - 2.3. EXPOSURE CATEGORY: C
  - 2.4. TOPOGRAPHIC CATEGORY: 1
  - 2.5. SEISMIC DESIGN CRITERIA:
    - 2.5.1. SOIL SITE CLASS: D (ASSUMED)
    - 2.5.2. SPECTRAL RESPONSE S<sub>s</sub>: 1.000g (MAXIMUM)
    - 2.5.3. SPECTRAL RESPONSE S<sub>1</sub>: 0.400G (MAXIMUM)
    - 2.5.4. SEISMIC DESIGN CATEGORY: B
  - 2.6. STRUCTURE BASE REACTIONS ARE CALCULATED AS FOLLOWS:

DESIGN WIND SPEED (MPH)	MOMENT (K-FT)	SHEAR (KIP)	AXIAL (KIP)
115	2.70	0.280	0.180
125	3.20	0.330	0.180
135 (MAX)	3.70	0.380	0.180

- 2.7. SHOULD ANY OF THE SITE-SPECIFIC PARAMETERS BE HIGHER THAN WHAT IS NOTED ABOVE, THE EOR SHALL BE CONTACTED TO PROVIDE A REVISED DESIGN.
3. CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO INSTALLATION.
4. FOUNDATION TO CONSIST OF CONCRETE SURROUNDING THE PROPOSED POLE WITH A MINIMUM OF 3,000-PSI COMPRESSIVE STRENGTH.

**GENERAL & CONSTRUCTION NOTES**

1. CONTRACTOR SHALL CONTACT DESIGNATED AGENCY TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
2. CONTRACTOR SHALL APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL JURISDICTION STANDARDS.
3. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL SITE CONDITION TO THE SATISFACTION OF STATE DEPARTMENT OF TRANSPORTATION AND LOCAL JURISDICTION.
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**ADA COMPLIANCE NOTES**

1. ALL SIDEWALK CONSTRUCTION SHALL BE IN ACCORDANCE WITH ADA TITLE II, STATE DEPARTMENT OF TRANSPORTATION, AND LOCAL JURISDICTION STANDARDS.
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3. MINIMUM CLEAR PEDESTRIAN ACCESS ROUTE (PAR) SHALL BE 48" WIDE.
4. NO OBSTRUCTION IS PERMITTED ALONG THE WIDTH OF THE SIDEWALK, UP TO AN ELEVATION OD 7'-0" ABOVE GRADE.

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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

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0	10/10/2025	FLK	PRELIM

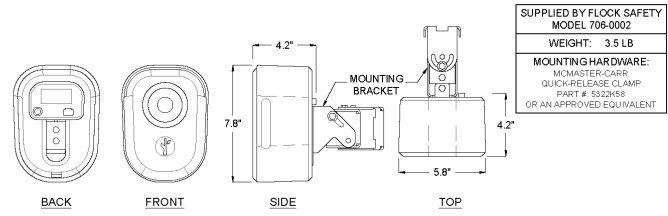
I HEREBY CERTIFY THIS DOCUMENT WAS PREPARED BY MYSELF OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

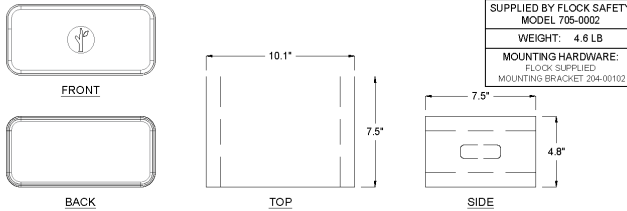
**COVER SHEET & LOCATION MAPS**

SHEET: <b>SPEC.05</b>	REV: <b>0</b>
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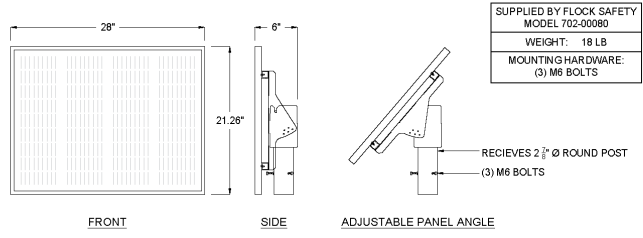
SUPPLIED BY FLOCK SAFETY  
MODEL 708-0002  
WEIGHT: 3.5 LB  
MOUNTING HARDWARE:  
MCMASTER-CARR  
QUICK-RELEASE CLAMP  
PART # 5322K58  
OR AN APPROVED EQUIVALENT

1 FLOCK SAFETY CAMERA  
SCALE: N/A



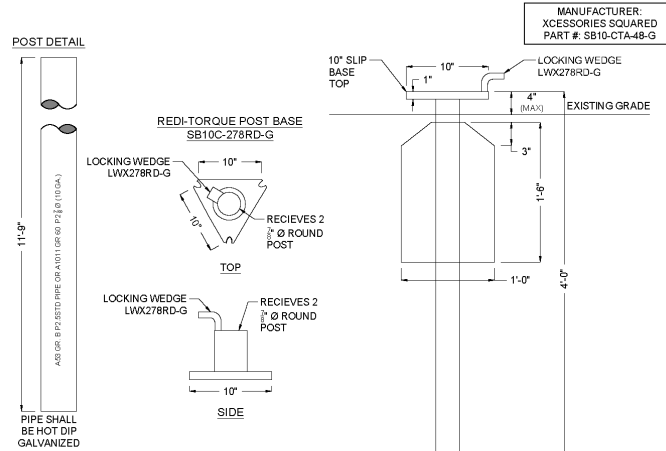
SUPPLIED BY FLOCK SAFETY  
MODEL 705-0002  
WEIGHT: 4.6 LB  
MOUNTING HARDWARE:  
FLOCK SUPPLIED  
MOUNTING BRACKET 204-00102

4 FLOCK COMPUTE BOX  
SCALE: N/A



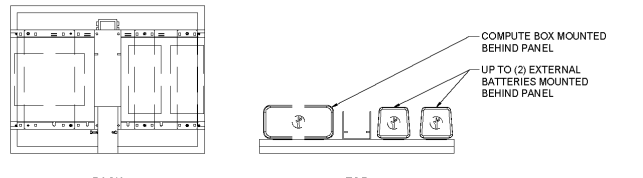
SUPPLIED BY FLOCK SAFETY  
MODEL 702-00080  
WEIGHT: 18 LB  
MOUNTING HARDWARE:  
(3) M6 BOLTS

2 65 WATT SOLAR PANEL AND MOUNT ASSEMBLY (TOP MOUNTED)  
SCALE: N/A



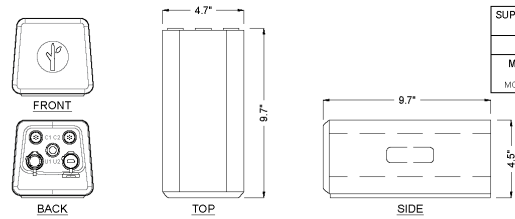
MANUFACTURER:  
XCESSORIES SQUARED  
PART # SB10-CTA-48-G

5 WINGED UNIBASE BREAKAWAY POLE BASE (SEE SPEC.03)  
SCALE: N/A



SUPPLIED BY FLOCK SAFETY  
MODEL 705-0002  
WEIGHT: 5.9 LB  
MOUNTING HARDWARE:  
FLOCK SUPPLIED  
MOUNTING BRACKET 204-00101

3 FLOCK EXTERNAL BATTERY  
SCALE: N/A



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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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0	10/10/2025	FLK	PRELIM

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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS

SHEET: <b>SPEC.06</b>	REV: <b>0</b>
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# INSTALLATION GUIDE REDI-TORQUE MODEL 280 OMNI DIRECTIONAL SLIP BASE (COMBINATION ANCHOR WITH LOWER SLIP PLATE). RECEIVES ROUND SIGN SUPPORT

RT280U-RD1 MASH-16 COMPLIANT FOR INTERSECTIONS and MAINLINE ROADWAYS  
NCHRP 350 CRITERIA - FHWA ACCEPTANCE LETTERS SS-134 & SS-134A

November 15, 2022 XCESSORIES SQUARED DEV. & MFG. CO., INC. AUBURN, IL 62615  
TEL: (800) 621-7948 FAX: (217) 438-3917 [www.x-sqrd.com](http://www.x-sqrd.com)

**PARTS LIST**

**A: Unibase - Lower Slip Plate**

ITEM	QTY	DESCRIPTION
A	1	Combination Anchor/Lower Slip Plate

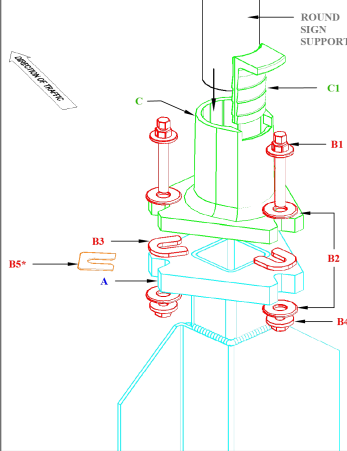
**B: Redi-Torque Match Plate Hardware**

ITEM	QTY	DESCRIPTION
B1	3	1/2" - 13 x 3" Gr. 8 Redi-Torque Bolt
B2	6	5/8" U.S.S. Flat Washer
B3	3	3/16" thick, Teflon Coated Slip Washer
B4	3	1/2" - 13 Gr. 8 large diameter Flange Nut
BS*	0	1/4" thick Leveling Shim

\* may not be necessary for every installation

**C: Upper Slip Plate Sub-Assembly**

ITEM	QTY	DESCRIPTION
C	1	Top Receiver for Round Sign Support
C1	1	Round Sign Support Locking Wedge



**STEP A**

1. Install appropriate Unibase (A) plumb & squared up with road, with point of triangular slip plate facing oncoming traffic.
2. Depth of embedment to leave 2 1/2" (+1/2" - 3") from grade to top of Lower Slip Plate of Unibase (A).  
**NOTE:** For soil or concrete installation options, see details at lower left.  
**NOTE:** If installing in concrete, angle the footing hole shallow enough to be able to drive 3-4 inches of Unibase (A) into the bottom of the hole. This will help stabilize the unit as concrete is being poured and cured while also allowing for proper drainage.  
**NOTE:** On multi-leg installations, be sure that all Unibases are squared & lined up with each other.

**STEP B**

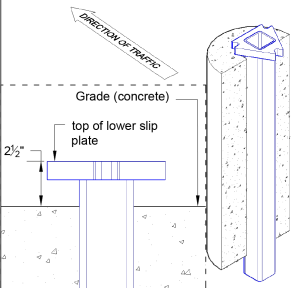
1. Place one each teflon coated Slip Washer (B3) on top of Lower Slip Plate of Unibase (A) at each notched point with open end of slot facing center of triangular slip plate. Leave enough room between the closed ends of the slot/notch to allow 3/8" Redi-Torque Bolt (B1) to pass through.
2. Place Upper Slip Plate (C) onto the three Slip Washers (B3) properly indexed so that the round post receiver notched portion is pointing toward oncoming traffic.
3. Slide 1 each 1/2" Flat Washer (B2) on to each Redi-Torque Bolt (B1) then insert Bolt (B1) with Washer (B2) down through notched points of Upper Slip Plate (C), slot of Slip Washer (B3) and notched point of Lower Slip Plate of Unibase (A).
4. Slide 1 each 1/2" Flat Washer (B2) up on exposed thread of each Bolt (B1) followed by threading 1 each 3/4" Flange Nut (B4) on to each Bolt (B1) as tight as can reasonably be attained using the 1/2" (larger) hex and NOT the 3/8" (smaller) hex.

**STEP C**

1. Insert Round Sign Support into Upper Slip Plate (C) top receiver until support bottoms out.
2. With a hand held hammer, drive the round sign support Locking Wedge (C1) into the Slip Base Top (C) receiver at the pre-determined notch. (The Locking Wedge does not need to be driven flush with top of Upper Slip Plate receiver)  
**SHIMMING:** Before moving on to step 3, check the plumb of the sign support(s). If necessary, 1/4" thick Leveling Shim(s) (BS) may be used at the appropriate point(s) between slip plates. To re-plumb, loosen Bolt (B1) at desired point enough to lean the Upper Slip Plate (C) back and slide Leveling Shim (BS) into place. Shim(s) should be placed under Teflon Coated Slip Washer. Maximum of 2 each Leveling Shims per notched point.
3. After Locking wedge (C1) is securely in place, loosen each Bolt (B1) and Nut (B4), one at a time, then retighten each Bolt (B1), using the 3/8" (smaller) hex, until the 1/2" hex head twists off from the 3/4" hex head. This will set the proper torque level of 52 ft-lbs.

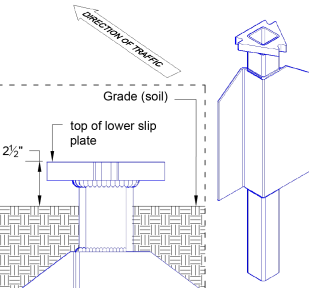
1. UP TO A MAXIMUM OF THREE OMNI DIRECTIONAL SLIP BASES WITH REDI-TORQUE MODEL 280 MATCHPLATE HARDWARE MAY BE INSTALLED WITHIN A SEVEN FOOT SPAN ON MAINLINE ROADWAY.
2. FOR ADDITIONAL WINDLOAD CAPABILITY, A HEAVIER GAUGE POST MAY BE USED.

**CONCRETE INSTALLATION DETAIL**

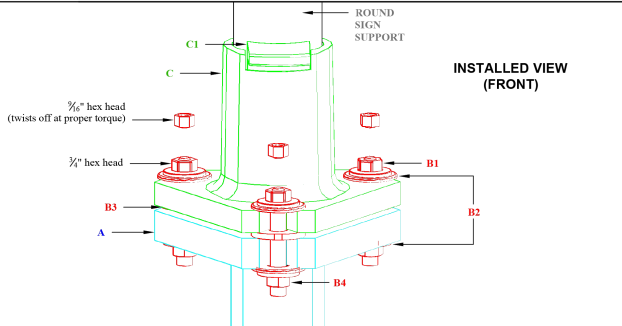


**NOTE:** Recommended footing size a minimum of 12" in diameter and 30" deep.

**DIRECT DRIVEN SOIL INSTALLATION DETAIL**



**NOTE:** Install with the widest bearing surface of the stabilizing wing parallel with the face of the sign.



- REINSTALLATION PROCEDURE:**  
**NOTE:** All match plate hardware components are generally reusable except the Redi-Torque Bolts (B1).  
1. Remove sign support Locking Wedge (C1) from Upper Slip Plate (C) receiver with a hand held hammer.  
2. Place Upper Slip Plate (C) on Lower Slip Plate of Unibase (A) to check for warpage and level of slip plates.  
3. Visually check all welds and castings for fractures or other damage.  
4. When assured both Lower Slip Plate (A) and Upper Slip Plate (C) are reusable employ new or reused hardware (B) with NEW Redi-Torque Bolts (B1) then follow installation procedures, starting with STEP B.

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MN - Coon Rapids PD  
01019767

Flock Safety  
1170 HOWELL MILL ROAD SUITE 210  
ATLANTA, GA 30318

REV	DATE	BY	DESCRIPTION
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0	10/10/2025	FLK	PRELIM

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FLOCK SAFETY EQUIPMENT INSTALLATION  
CASE NUMBER: 01019767  
PERMITTING JURISDICTION: Anoka County (County of), Right-of-Way

COVER SHEET & LOCATION MAPS	
SHEET: <b>SPEC.07</b>	REV: <b>0</b>



## Certificate Of Completion

Envelope Id: 18F3520E-5F13-45D7-91DB-EFD996C1A362

Status: Sent

Subject: Christine Strileckis - ROW Permit Application

Source Envelope:

Document Pages: 38

Signatures: 1

Envelope Originator:

Certificate Pages: 4

Initials: 1

Highway Permits

AutoNav: Enabled

Anoka County Government Center

Envelopeld Stamping: Enabled

2100 3rd Avenue

Time Zone: (UTC-06:00) Central Time (US & Canada)

Anoka, MN 55303

highwaypermits@anokacountymn.gov

IP Address: 162.226.45.244

## Record Tracking

Status: Original

Holder: Highway Permits

Location: DocuSign

10/10/2025 3:14:09 PM

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Security Appliance Status: Connected

Pool: StateLocal

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Pool: Anoka County

Location: Docusign

## Signer Events

Christine Strileckis

christine.strileckis@flocksafety.com

Security Level:

DocuSign.email

ID: 1

10/10/2025 3:14:11 PM

## Signature

DocuSigned by:  
  
 03DABFEE5CA449B...

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## Electronic Record and Signature Disclosure:

Accepted: 12/27/2023 3:09:36 PM

ID: b5447c1c-a08f-4dbd-bccf-0734483db6eb

Susan Burgmeier

Susan.Burgmeier@anokacountymn.gov

Associate Traffic Technician

Anoka County

Signing Group: Highway Permits

Security Level: Email, Account Authentication  
(Optional)

Sent: 10/10/2025 3:28:53 PM

Viewed: 10/13/2025 7:28:15 AM

## Electronic Record and Signature Disclosure:

Accepted: 8/20/2025 10:28:44 AM

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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

Christine Strileckis

christine.strileckis@flocksafety.com

Security Level: Email, Account Authentication  
(Optional)

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<b>Carbon Copy Events</b>	<b>Status</b>	<b>Timestamp</b>
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<b>Witness Events</b>	<b>Signature</b>	<b>Timestamp</b>
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<b>Notary Events</b>	<b>Signature</b>	<b>Timestamp</b>
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<b>Envelope Summary Events</b>	<b>Status</b>	<b>Timestamps</b>
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Certified Delivered	Security Checked	10/13/2025 7:28:15 AM

<b>Payment Events</b>	<b>Status</b>	<b>Timestamps</b>
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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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