

## Application for DelDOT Safety Permit

Property Owner's Name: \_\_\_\_\_ Date: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_  
City State Zip Code

Telephone No.: \_\_\_\_\_ Cell No.: \_\_\_\_\_

Fax No.: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

Tax Map/ Parcel I.D. : \_\_\_\_\_  
(NCC Ex: 00- 000.00-000; KC Ex: 0 00 000 00 00 00 000; SC Ex: 0-00 00.00 00.00 )

Applicant Name: \_\_\_\_\_ Point of Contact (Name): \_\_\_\_\_

Mailing Address: \_\_\_\_\_

\_\_\_\_\_  
City State Zip Code

Telephone No.: \_\_\_\_\_ Cell No.: \_\_\_\_\_

Fax No.: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

Proposed Project Location:

Nearest Intersecting road:

Description of Work:

LICENSE PLATE READER  
INSTALLATION

STATE OF DELAWARE  
NEW CASTLE COUNTY

IN COLLABORATION WITH  
DELAWARE STATE POLICE DEPARTMENT

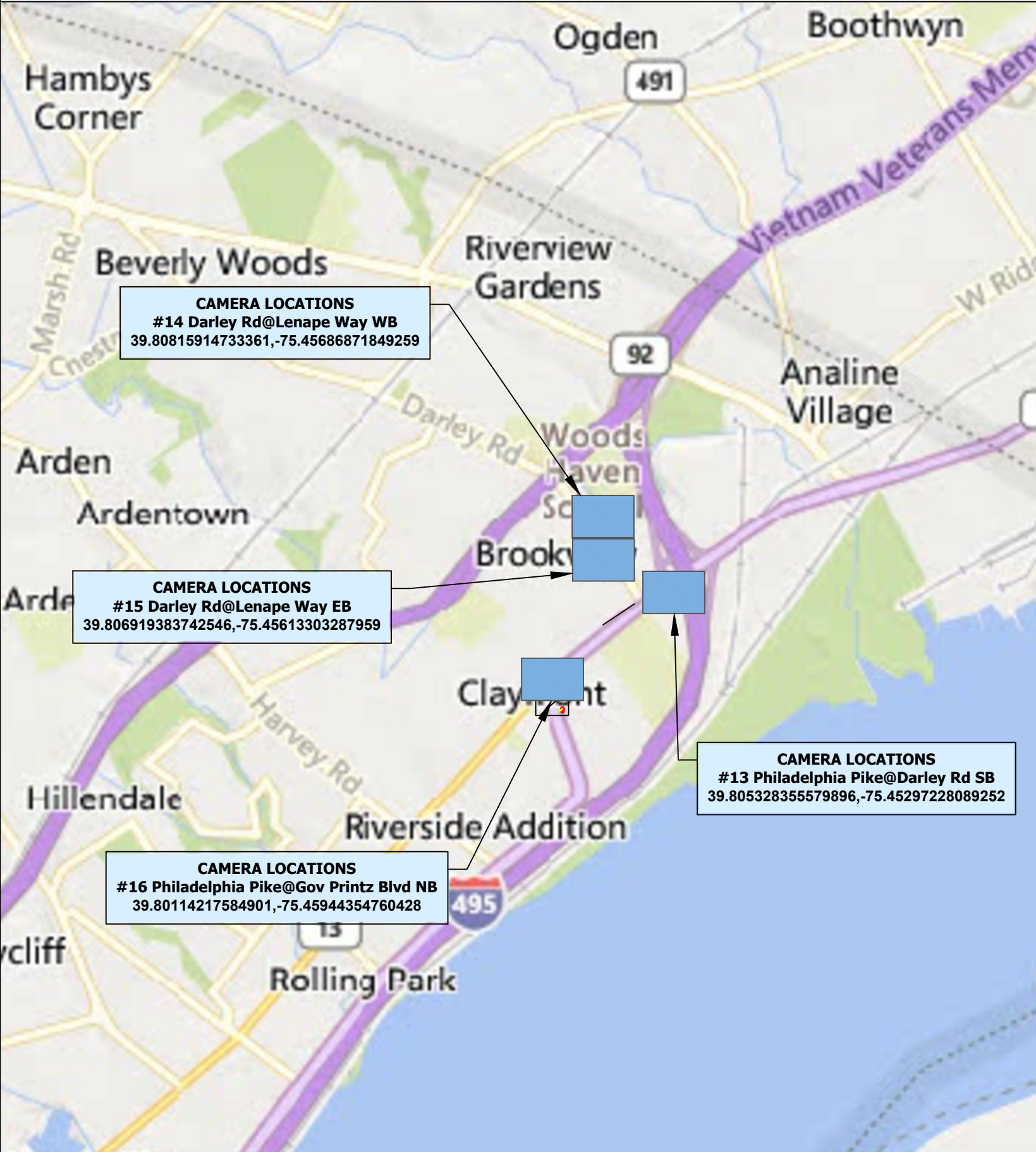
PERMITTING JURISDICTION:  
DELDOT

FLOCK SAFETY  
1170 HOWELL MILL ROAD NW  
SUITE 210  
ATLANTA, GA 30318  
PERMIT@FLOCKSAFETY.COM  
415-669-0341

SEE APPROVED PERMIT FOR LISTED INSPECTOR

NOTE:  
THE PLAT, PARCEL AND RIGHT OF WAY DIMENSIONAL INFORMATION HAS BEEN ACQUIRED AND PLOTTED ON THESE PLANS USING THE BEST AVAILABLE DATA AND AERIAL IMAGERY. ALL UTILITY INFORMATION SHOWN ON PLANS WAS ACQUIRED FROM THE BEST AVAILABLE DATA AND AS REASONABLE OBTAINED BY PHYSICAL FIELD SURVEY. IT REMAINS THE RESPONSIBILITY OF OTHERS TO FIELD VERIFY ALL DATA PRIOR TO PROJECT START. LINE LOCATES ARE THE RESPONSIBILITY OF OTHERS TO VERIFY CONFLICT HORIZONTALLY AND VERTICALLY OF EXISTING FACILITIES.

SITE LOCATION MAP



REVISIONS

DATE	REV	DESCRIPTION

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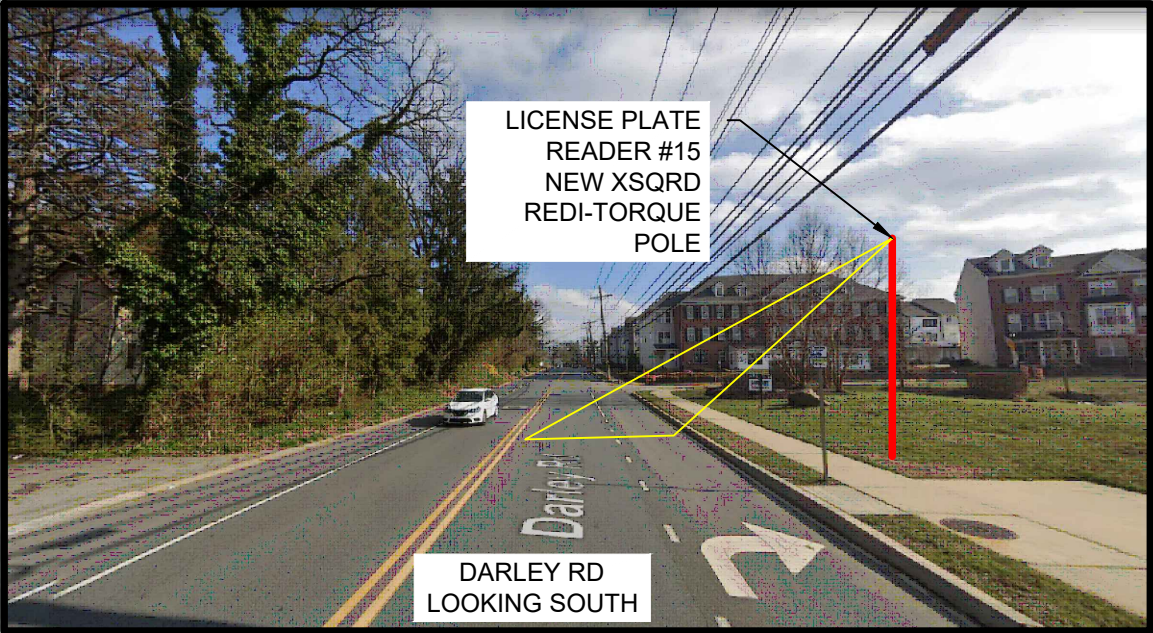
Know what's below.  
Call before you dig.

EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE IMMEDIATELY REPAIRED AT THE CONSTRUCTORS EXPENSE.





PROPOSED X SQUARED REDI-TORQUE  
POLE AND CAMERA LOCATION  
#15 Darley Rd@Lenape Way EB  
39.806919383742546,-75.45613303287959



1 INCH = 50 FEET

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UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL BE  
IMMEDIATELY REPAIRED AT THE CONTRACTORS EXPENSE.





**DELDOT CONSTRUCTION NOTES:**

1. THE WORK INVOLVING INSTALLATION OF FLOCK SAFETY ALPR CAMERAS INVOLVING TEMPORARY LANE CLOSURES ARE TO BE DONE BETWEEN THE HOURS OF 12:00AM AND 5:00AM. MONDAY THROUGH THURSDAY UNLESS PREVIOUSLY APPROVED BY THE DEPARTMENT.
2. WHEN INSTALLING FLOCK SAFETY PROVIDED POLES, A MINIMUM OF 2’ SEPARATION SHALL BE MAINTAINED FROM ALL EXISTING UTILITIES AND STORM DRAIN STRUCTURES.
3. IF THE PROPOSED UTILITY CANNOT BE INSTALLED PER THE APPROVED PERMITTED PLAN AND BY DELDOT 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.
4. ANY NEW PROPOSED PLAN SHALL INCLUDE CROSS SECTIONS OF THE STATE ROAD ADEQUATELY REFLECTING ALL RIGHT-OF-WAY FEATURES INCLUDING EXISTING UTILITIES, STORM DRAIN STRUCTURES AND ANY ABOVE OR BELOW GROUND APPURTENANCES WHERE APPLICABLE.
5. 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 (INDEX 660) IN PLACE PRIOR TO PATHWAY BEING AFFECTED.
6. ALL TEMPORARY PEDESTRIAN PATHWAYS MUST BE FIRM AND UNYIELDING.
7. ANY SIDEWALK DISTURBED WILL BE REPLACED BY SECTION WITHIN 72 HOURS TO DELDOT SPECIFICATIONS.
8. THE DELDOT 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.
9. THE PERMITTEE SHALL NOTIFY THE DELDOT OF DATE OF COMPLETION, REQUEST A FINAL INSPECTION AND A NOTICE OF FINAL ACCEPTANCE.
10. ALL CONSTRUCTION AND/OR MAINTENANCE ON THE DELDOT RIGHT OF WAY SHALL CONFORM TO THE FEDERAL MANUAL ON UNIFORM TRAFFIC DEVICES (MUTCD), THE DELDOT ROADWAY AND TRAFFIC DESIGN STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, PLANS PREPARATION MANUAL AND DRAINAGE MANUAL.
11. PRIOR TO ANY WORK REQUIRING LANE CLOSURES, MOBILE OPERATIONS OR TRAFFIC PLACING OPERATIONS, THE CONTRACTOR OR PERMITTEE SHALL SUBMIT A REQUEST TO THE DEPARTMENT THAT INCLUDES THE TIME, LOCATION, AND DESCRIPTION OF WORK BEING PERFORMED. THE LANE CLOSURE REQUEST SHALL BE SUBMITTED TO THE DEPARTMENT A MINIMUM OF 14 DAYS PRIOR TO THE PROPOSED CLOSURE DATE AND MUST BE APPROVED BY THE DEPARTMENT BEFORE WORK REQUIRING THE CLOSURE MAY BEGIN WITHIN THE DELDOT RIGHT OF WAY. SUBMIT LANE CLOSURE REQUESTS THROUGH THE LANE CLOSURE INFORMATION SYSTEM (LCIS). FOUND AT THE FOLLOWING WEBSITE: [HTTPS://LCIS.DOT.STATE.FL.US/](https://lcis.dot.state.fl.us/)
12. LANE CLOSURES MUST BE LIMITED TO SUNDAY THROUGH THURSDAY 8:00PM TO 5:30AM UNLESS OTHERWISE APPROVED BY THE DELDOT.
13. ANY SIDEWALK DAMAGED AS A RESULT OF WORK BEING PERFORMED IN ASSOCIATION WITH THE PERMITTEE AND CONTRACTOR SHALL BE REMOVED AND REPLACED AS FOLLOWS:

- COLOR: DBT TERRA COTTA (UTILIZING LM SCHOFIELD COLOR)

- CONCRETE STRENGTH: CLASS I (3000 PSI)

- SUPPLIER COMPANY: CRS RINKER (407-599-4800)
14. OPEN CUTTING OF ANY ROADWAY, DRIVEWAY, OR SIDEWALK OUTSIDE THOSE LIMITS IDENTIFIED WITH THE PERMIT ARE NOT ALLOWED WITHOUT PRIOR APPROVAL BY THE DELDOT OFFICE.
15. THE CONTRACTOR SHALL HAVE AN AUTHORIZED PERSON AVAILABLE AT/OR NEAR THE WORK SITE ON A 24 HOUR BASIS, 7 DAYS A WEEK IN ORDER TO ADDRESS EMERGENCY ISSUES ASSOCIATED WITH THE PROJECT.
16. NO STOCKPILING, STORING OR SEMI PERMANENT USE OF THE RIGHT OF WAY IS AUTHORIZED UNLESS SPECIFICALLY IDENTIFIED WITHIN THE PERMIT.
17. NO WORK SHALL BE PERFORMED DURING THE WEEKS OF ANY STATE OR FEDERAL HOLIDAYS UNLESS OTHERWISE APPROVED BY THE DELDOT.
18. 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.
19. THE DEPARTMENT 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.
20. PERMITTEE SHALL NOT BEGIN ANY WORK ALONG DELDOT RIGHT-OF-WAY UNTIL AND INSPECTOR IS PRESENT AT THE JOB SITE AND AGREES THAT PROPER PREPARATIONS HAVE BEEN MADE.
21. CONTRACTOR MUST BE REQUIRED TO SUBMIT BORE LOGS AND AS-BUILT PLANS AFTER COMPLETION OF THE PERMIT.
22. MOT PER DELDOT INDEX 102-611, 102-612, 102-613 & 102-660.
23. FOURTEEN (14) DAYS PRIOR TO CLOSING A LANE, THE PERMITTEE SHALL NOTIFY THE LCIS SYSTEM THE TIME, LOCATION OF THE NEEDED LANE CLOSURE AND A DESCRIPTION OF WORK BEING DONE. THE UAO SHALL NOT CLOSE ANY LANES UNTIL RECEIVING APPROVAL FROM DELDOT. THE UAO IS NOT REQUIRED TO REPORT LANE CLOSURES FOR EMERGENCIES AS DESCRIBED IN 2017 UAM SECTION 2.2 ([HTTPS://LCIS.DOT.STATE.FL.US](https://lcis.dot.state.fl.us))
24. IT WILL BE THE RESPONSIBILITY OF THE PERMITTEE TO REPAIR ANY DAMAGE TO DELDOT FACILITIES AND/OR PRIVATE PROPERTY CAUSED BY CONSTRUCTION OF THE PROJECT.
25. ALL WORK ZONES ARE TO BE SET UP AND MAINTAINED BY SOMEONE WHO HAS THE DELDOT INTERMEDIATE MOT LEVEL TRAINING OR EQUIVALENT.

**DELDOT NOTES:**

1. ALL WORK PERFORMED WITHIN THE DELDOT RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH THE 2019-20 TIME. EDITIONS OF DELDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE 2017 UTILITY ACCOMODATION MANUAL.
2. 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.
3. ALL TRAFFIC STRIPING AND MARKINGS ARE TO BE LEAD-FREE, NON-SOLVENT BASED THERMOPLASTIC.
4. REMOVAL OF EXISTING STRIPPING SHALL BE ACCOMPLISHED USING THE “HYDRO-BLAST” METHOD. IF THIS PROCESS DAMAGES/SCARS PAVEMENT, THEN THE PAVEMENT SHALL BE MILLED AND RESURFACED PER DELDOT OF WAY. STANDARDS.
5. EXISTING PAVED SHOULDER SHALL BE REMOVED FULL DEPTH PRIOR TO WIDENING OF THE ROADWAY.
6. ALL CURB AND GUTTER AND SIDEWALK WILL BE REMOVED AND REPLACED JOINT TO JOINT PER STANDARD INDEX #300 CURB & GUTTER #304/#310 CUT RAMPS & SIDEWALK AS SPECIFIED IN SECTION 1.5 2017 UAM.
7. ALL DISTURBED AREA WITHIN THE DEPARTMENT OF TRANSPORTATION RIGHT-OF-WAY WILL BE RESTORED TO ORIGINAL OR BETTER CONDITION BY GRADING AND SODDING IN AREA DISTURBED.
8. BURNING OF ANY MATERIAL OR DEBRIS IS PROHIBITED IN DELDOT RIGHT-OF-WAY.
9. ALL LANES MUST BE OPENED FOR TRAFFIC DURING AN EVACUATION NOTICE OF A HURRICANE OR OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT.
10. THE CONTRACTOR SHALL NOTIFY DELDOT A MINIMUM OF (2) BUSINESS DAYS PRIOR TO BEGINNING ANY CONSTRUCTION WITHIN DELDOT RIGHT-OF-WAY CONTACT PHONE NUMBER 321-319-8100.
11. ALL AREAS WITHIN DELDOT R/W DISTURBED BY CONSTRUCTION SHALL BE RE-GRADED AND SODDED WITH LIKE-KIND SOD WITHIN (7) DAYS.

**1.0 SCOPE OF WORK**

1.1 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.

**2.0 DRAWINGS**

2.1 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.

**3.0 SPECIFICATIONS**

3.1 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.

**4.0 MATERIALS**

4.1 CONTRACTOR SHALL FURNISH AND PLACE ALL MATERIALS REQUIRED FOR THE COMPLETE PERFORMANCE OF THE WORK EXCEPT FOR MATERIALS PROVIDED BY FLOCK SAFETY.

4.2 CONTRACTOR 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.

ALL UNUSED AND REQUESTED SALVAGED MATERIAL TO BE RETURNED TO SAME ADDRESS.

4.3 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.

4.4 ANY AND ALL MATERIALS THAT MAY BECOME LOST, STOLEN OR DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AT HIS SOLE EXPENSE, AND ANY DELAY INCURRED SHALL NOT BE CAUSE FOR AN EXTENSION IN TIME

4.5 ALL UNUSED MATERIALS SUPPLIED BY FLOCK SAFETY BUT NOT USED IN THE COMPLETION OF WORK SHALL BE RETURNED TO FLOCK SAFETY FOURTEEN (14) DAYS AFTER THE COMPLETION OF THE CONTRACT. FLOCK SAFETY WILL ARRANGE FOR THE TRANSPORTATION OF THESE MATERIALS.

**5.0 PERMITS**

5.1 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

5.2 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

5.3 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 DELDOT DESIGN STANDARDS 2017-18.

**6.0 SAFETY AND PRECAUTIONS**

6.1 ALL PERSONNEL ARE REQUIRED TO ABIDE BY ALL RULES AND REGULATIONS SET FORTH IN THE FLOCK SAFETY SAFETY REQUIREMENTS, RAILROAD SAFETY CODE AND GOVERNING JURISDICTION.

6.2 THE WORK UNDER THIS CONTRACT 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 “ONE CALL” (DELDOT LIGHTING/ITS NOT ON “ONE CALL” SYSTEM, CONTACT LOCAL DELDOT OFFICE, PROGRAM OR AGENCY) 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 HIS SOLE EXPENSE AND ANY DELAY INCURRED SHALL NOT BE CAUSE FOR AN EXTENSION IN THE TIME OF THE CONTRACT.

6.3 CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND MAINTENANCE OF PUBLIC AND PRIVATE PROPERTIES. CONTRACTOR SHALL PROTECT, SHORE, BRACE, SUPPORT AND MAINTAIN ALL UNDERGROUND PIPES, CONDUITS, DRAINS AND OTHER SUBSURFACE STRUCTURES UNCOVERED OR OTHERWISE AFFECTED BY THE WORK.

6.4 CONTRACTOR 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.

6.5 DURING ALL PHASES OF CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN WORK AREAS IN A NEAT AND ORDERLY MANNER. CONSTRUCTION EQUIPMENT, MATERIAL AND SUPPLIES THAT ARE STORED ON THE RIGHT OF WAY SHALL NOT RESTRICT ACCESS TO SUCH RIGHT OF WAY OR THE RIGHT OF WAY ITSELF.

**7.0 SECURITY**

7.1 CONTRACTOR IS RESPONSIBLE FOR ALL SECURITY REQUIRED TO PROTECT HIS WAREHOUSE, LAYDOWN, AND STAGING AREA AND THE USE OF OUTSIDE PLANT WORK. SECURITY SHALL ALSO INCLUDE TRAFFIC CONTROL WHERE REQUIRED INCLUDING THE USE OF OFF DUTY POLICE OFFICERS.

**8.0 STAKING AND SCHEDULING**

8.1 ALL STAKING WILL BE PROVIDED BY FLOCK SAFETY REQUIRED RIGHT OF WAY CLEARING SHALL BE COMPLETED PRIOR TO STAKING; THEREFORE, THE CONTRACTOR SHALL COORDINATE ALL CLEARING OPERATIONS AND PLACING OPERATIONS WITH THE FLOCK SAFETY PROJECT SUPERVISOR TO AVOID DELAYS AND INTERFERENCE.

8.2 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

8.3 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.

**9.0 SPECIAL CONSIDERATIONS**

9.1 DURING THE BIDDING PROCESS THE CONTRACTOR SHOULD CONSIDER THE FOLLOWING ITEMS:

9.1.1 ALL WASTE AND/OR ABANDONED MATERIALS TO BE REMOVED SHALL BE DISPOSED OF AT A “RECOGNIZED DUMP FACILITY” IN THE AREA AS DESIGNATED BY THE LOCAL GOVERNING AUTHORITY.

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DESIGN NOTES:

1. POLE AND FOUNDATION DESIGNED PER AASTHO LRFD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 2015 EDITION WITH 2017, 2018 & 2019 INTERIMS.
2. POLE DESIGN WIND SPEED IS 130 MPH, 150 MPH, AND 170 MPH BASED ON A 300-YEAR MRI.
3. CONCRETE SHALL HAVE A MINIMUM 28-DAY DESIGN STRENGTH OF 3000 PSI, AND HAVE AT LEAST 505 POUNDS OF CEMENTITIOUS MATERIAL PER CUBIC YARD.
4. PROVIDE A FLAT BEARING SURFACE ON TOP SURFACE ON TOP SHAFT BELOW THE POLE BASE. SLOPE TOP SURFACE OF CONCRETE SHAFT OUTSIDE OF POLE BASE TO DRAIN AWAY FROM POLE.
5. DO NOT USE THIS DETAIL FOR SITES WHERE SOIL CONSISTS OF SOFT CLAY, PEAT OR ANY OTHER SOIL WHERE A SMALL DIAMETER REBAR (#5 OR SMALLER) OR METAL PROBE PENETRATES EASILY TO 6" OR MORE OF DEPTH WHEN THE FULL WEIGHT OF A PERSON IS APPLIED.

GENERAL & CONSTRUCTION NOTES

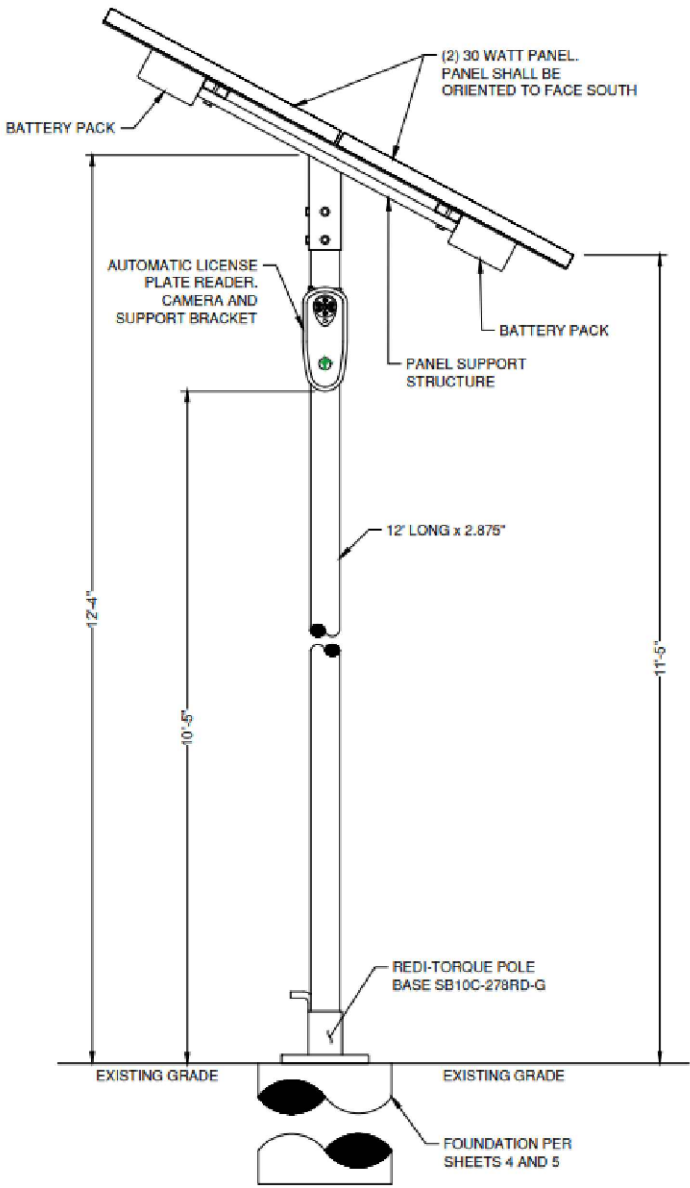
1. CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT DESIGNATED AGENCY TO LOCATE ALL UNDERGROUND UTILITIES 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
2. CONTRACTOR SHALL BE RESPONSIBLE TO APPLY AND OBTAIN AN APPROVED TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND LOCAL STANDARDS AS REQUIRED.
3. CONTRACTOR SHALL BE RESPONSIBLE TO RESTORE ALL DISTURBED AREAS TO ORIGINAL CONDITION TO STATE DEPARTMENT OF TRANSPORTATION AND LOCAL AGENCY SATISFACTION AT NO ADDITIONAL COMPENSATION.
4. ALL WORK SHALL CONFORM TO ALL APPLICABLE ELECTRICAL CODES EXCEPT WHEN SATE DEPARTMENT OF TRANSPORTATION AND LOCAL AGENCY STANDARDS SUPERSEDE.
5. CONNECT POLE TO SOLID BARE BOND GROUND & GROUNDING ROD (OR COIL 25' OF NO. 6 BARE COPPER) IN POLE FOUNDATION & TO SYSTEM GROUND BONDED BACK TO FLOCK SAFETY SAFETY CABINET.
6. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE DEPARTMENT OF TRANSPORTATION AND LOCAL AGENCY SPECIFICATIONS UNLESS SPECIFICALLY STATED OR SHOWN OTHERWISE HEREIN.

ADA COMPLIANCE NOTES:

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

COUNTY NOTES

1. LOCATE ALL UTILITIES/FACILITIES, INCLUDING STORMWATER DRAINAGE SYSTEMS PRIOR TO START OF CONSTRUCTION TO DETERMINE ACTUAL LOCATION & DEPTH OF OTHER FACILITIES, LOCATIONS SHOWING ON CROSS SECTIONS MAY NOT BE ACCURATE.
2. ALL UTILITY LOCATIONS WILL BE SPOT DUG FOR DEPTH VERIFICATION TO DETERMINE DEPTH OF BORE. CONTRACTOR WILL COORDINATE THE DEPTH OF BORE WITH COUNTY INSPECTOR PRIOR TO ANY BORE BEING PERFORMED.
3. A SEPERATE PERMIT SHALL BE REQUIRED FROM COUNTY TO PERFORM SUBSURFACE UTILITY VERIFICATION (SUV) FOR TESTHOLES UNDER PAVEMENT.
4. CURRENT A.D.A. STANDARDS SHALL BE UPHELD AT ALL TIMES.
5. CONTRACTOR SHALL MAINTAIN ACESS TO ALL ADJACENT PROPERTY IN THE VICINITY OF THE CONSTRUCTION
6. CONTRACTOR SHALL PROVIDE SAFE ACCESS PER F.D.O.T. STANDARD 600 SERIES REGULATIONS FOR ALL PEDESTRIAN TRAFFIC AND STANDARD 400 SERIES REGULATIONS ON ALL EXCAVATIONS OPENED IN THE TRAFFIC ZONE CONTROL AREA.
7. ALL CASINGS (HDPE)/DIRECTIONAL BORES SHALL EXTEND A MINIMUM OF SIX FEET (6') BEYOND EDGE OF PAVEMENT. (COMMERCIAL DRIVEWAYS INCLUDED)
8. ALL BURIED FACILITIES SHALL REQUIRE A MINIMUM DEPTH OF 36" AND 12" CLEARANCE FROM OTHER UTILITIES.
9. ALL HANDHOLES WILL BE RATED TRAFFIC BEARING.
10. CONTRACTOR SHALL RESTORE RIGHT-OF-WAY TO EQUAL OR BETTER CONDITION UPON COMPLETION OF WORK.



DETAIL "A"  
60 WATT SYSTEM ASSEMBLY  
12' LONG x 2.875" O.D.

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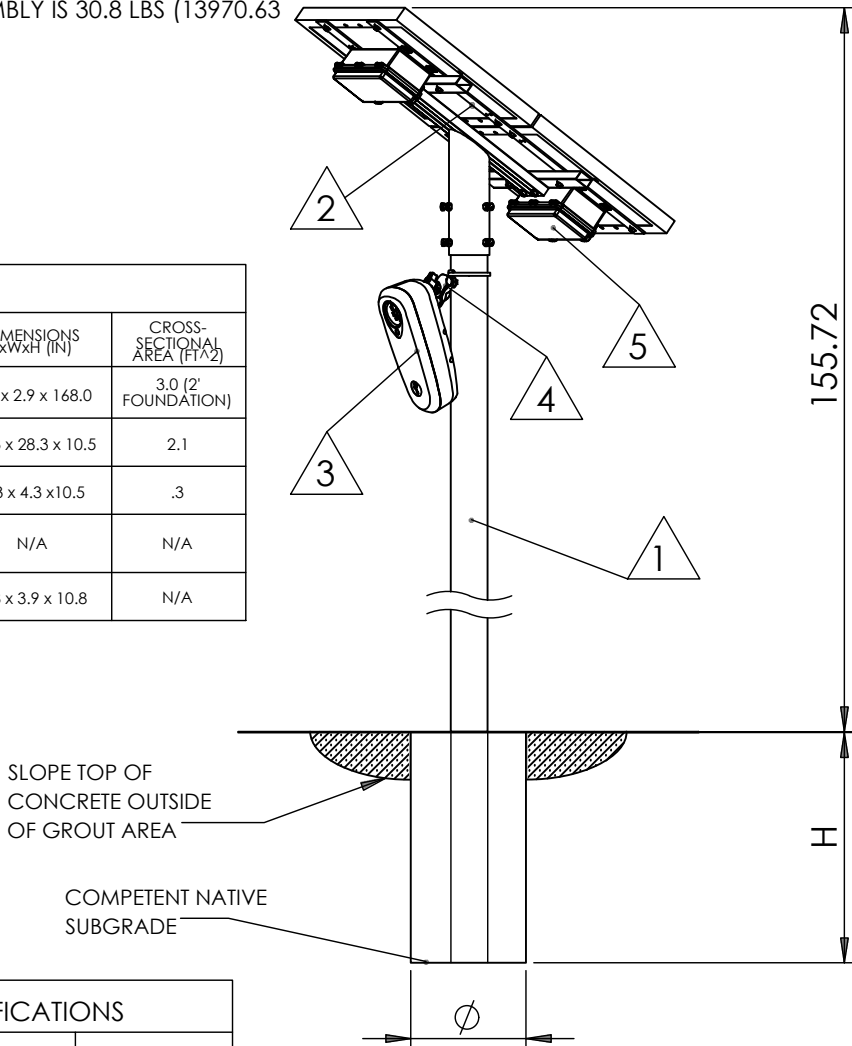
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NOTES:

- 1 POLE IS BREAKAWAY 2.875" (73mm) IN DIAMETER 6063-T52 ALUMINUM WITH WALL THICKNESS .203" (5.16mm) AS PER 12/6/2007 FHWA LETTER.
- 2 THE PANEL ASSEMBLY MAY NOT EXCEED TWO BATTERY PACKS
3. MAX TOTAL WEIGHT OF ASSEMBLY IS 30.8 LBS (13970.63 GRAMS)

BOM						
Item	Part Number	Part Name	QTY.	MASS (LB)	DIMENSIONS LxWxH (IN)	CROSS-SECTIONAL AREA (FT^2)
1	204-00029	14' BLACK 2-PIECE POLE	1	17	2.9 x 2.9 x 168.0	3.0 (2' FOUNDATION)
2	701-00116	Double Panel - Top Mount	1		21.3 x 28.3 x 10.5	2.1
3	701-0059	Flock Safety Camera	1	3.6	3.3 x 4.3 x10.5	.3
4	702-0007	RAM Ball Mount & Adapter	1	1.4	N/A	N/A
5	701-00011	Battery Pack	2	4.4	2.8 x 3.9 x 10.8	N/A



FOUNDATION SPECIFICATIONS				
TYPE	V_MAX (MPH)	CAISSON Ø (IN)	CAISSON H (IN)	SOLAR PANEL ELEVATION FROM GRADE (FT MAX)
1*	85	8	24	12
2	110	12	30	12
3	130	12	36	12
4	150	16	48	12

\* STANDARD INSTALLATION SPECIFICATIONS

PROPRIETARY AND CONFIDENTIAL

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		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL: ±1/16 ANGULAR: X.X° ±3° X.XX ±1° DECIMAL: X.X ±.02 X.XX ±.01 X.XXX ±.005		
		MATERIAL		
		FINISH		
NEXT ASSY	USED ON			
APPLICATION		DO NOT SCALE DRAWING		

	NAME	DATE
DRAWN		
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		

flock safety		
TOP POLE MOUNT - DOUBLE SOLAR PANEL WITH 2 EXTERNAL BATTERIES		
SIZE A	DWG. NO. 905-00005	REV. A
SCALE: 1:20	SHEET 1 OF 1	

REVISIONS

DATE	REV	DESCRIPTION

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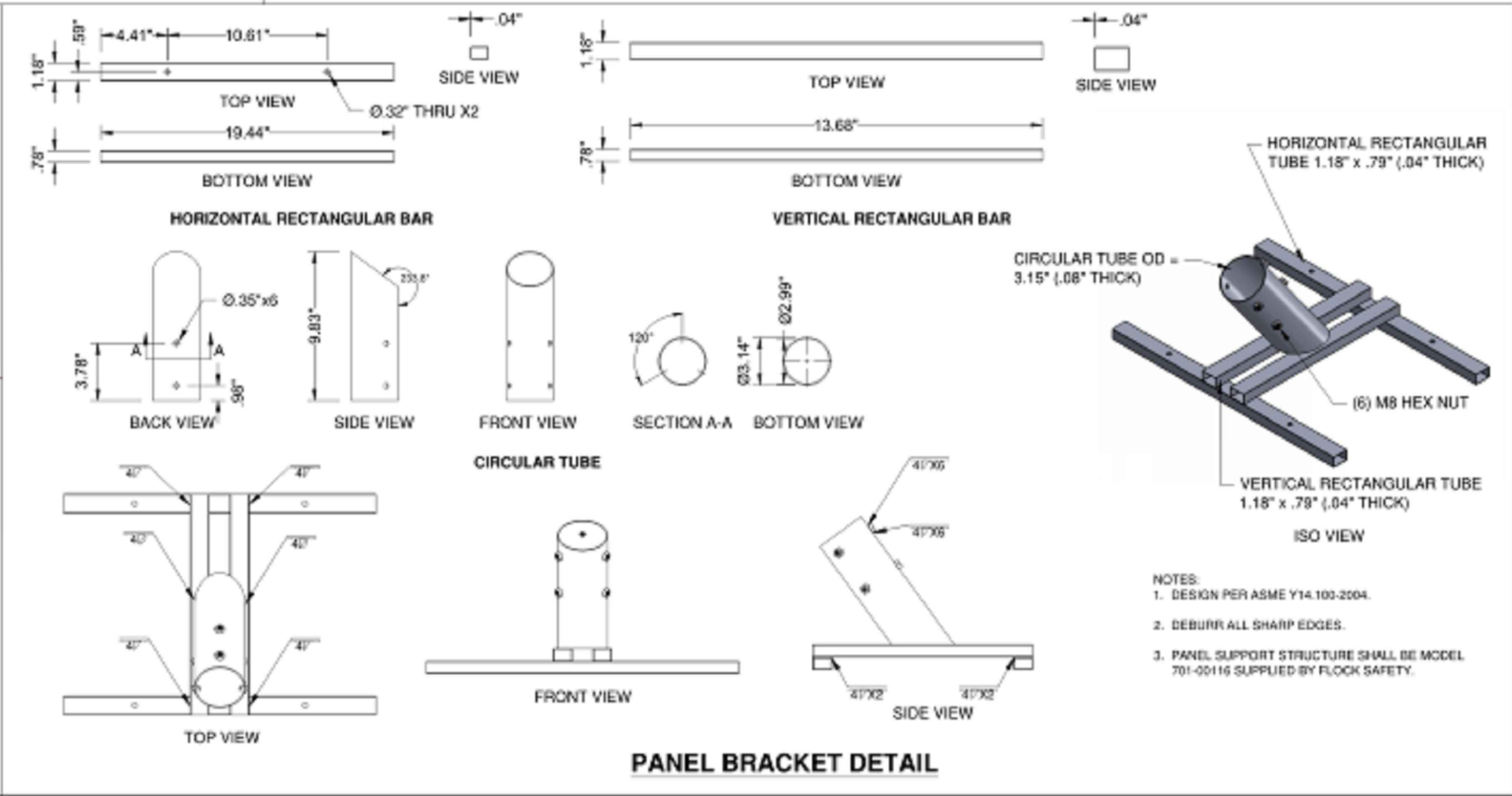
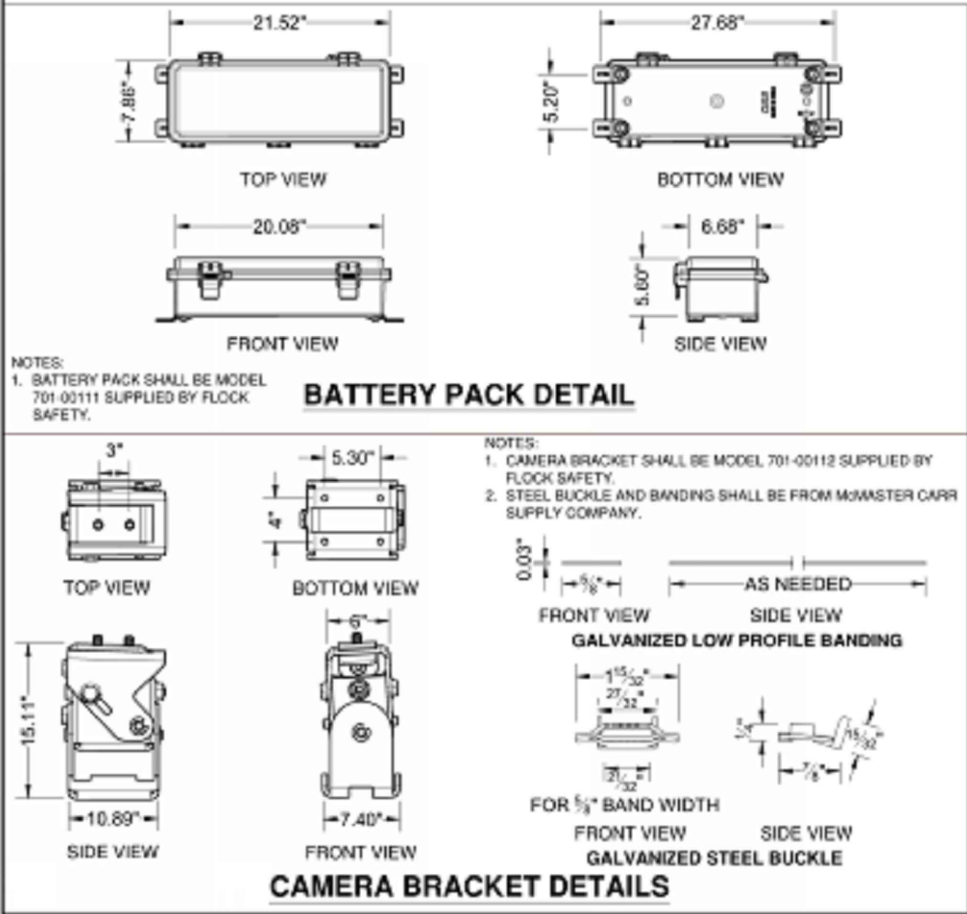
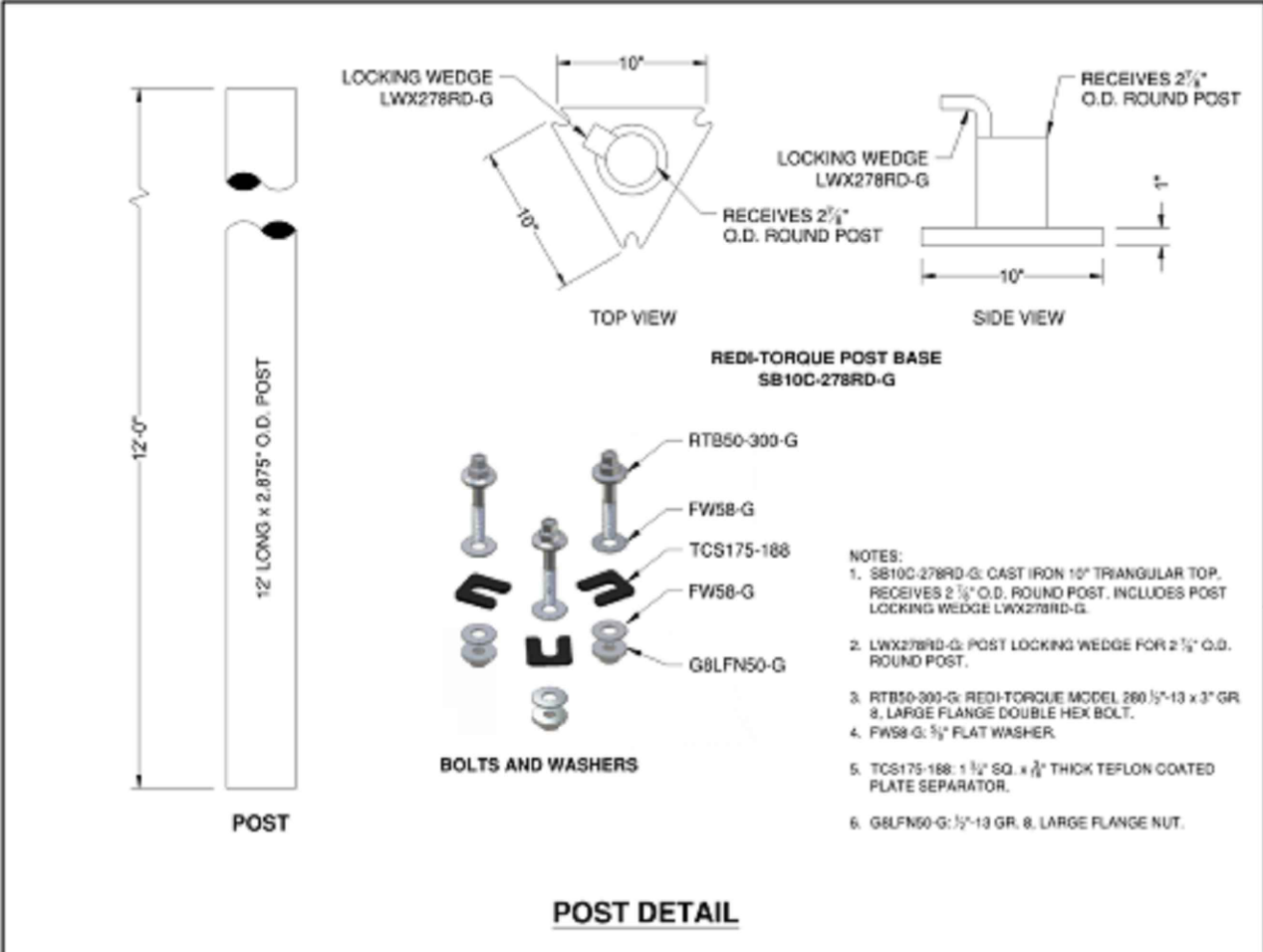


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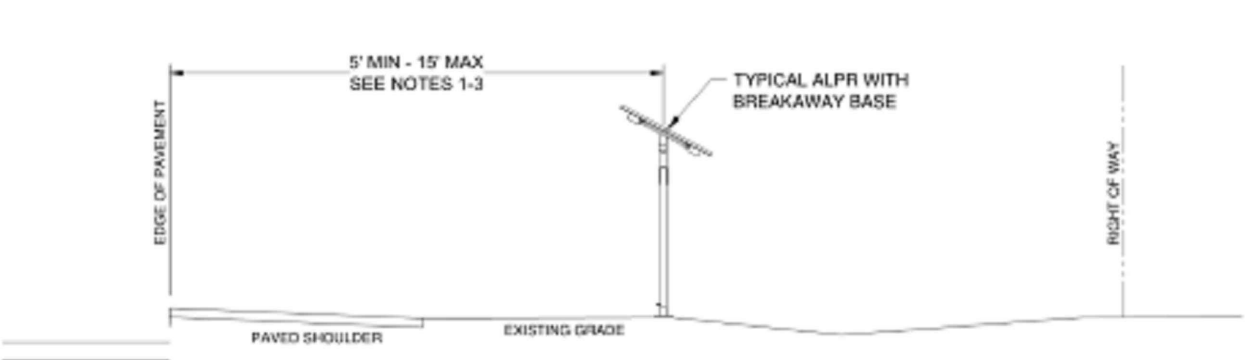
TYPICAL DETAILS

SPEC.01

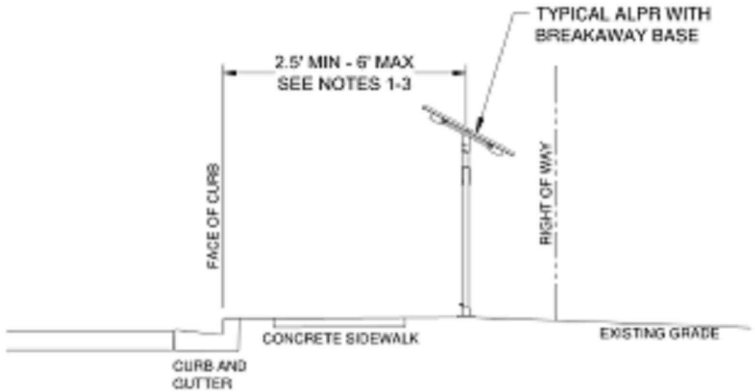




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811 Know what's below. Call before you dig.		
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TYPICAL DETAILS		
SPEC.02		

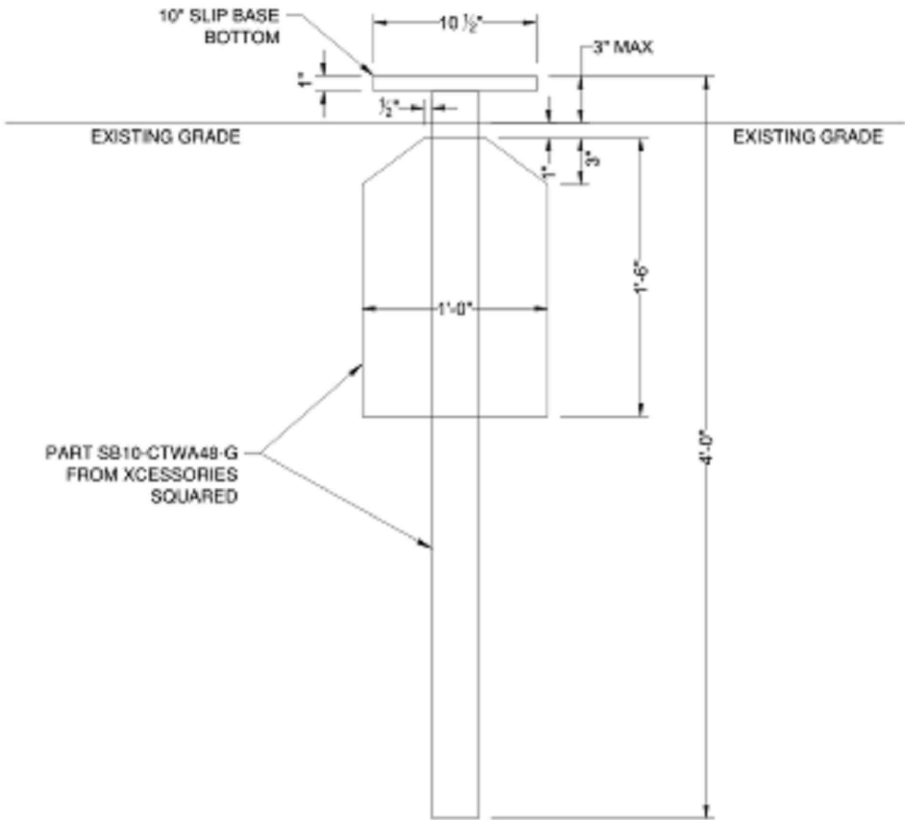


TYPICAL RURAL INSTALLATION



TYPICAL URBAN INSTALLATION

- NOTES:
1. ASSEMBLY INCLUDES AN APPROVED BREAK-AWAY BASE FOR INSTALLATION WITHIN THE ROADWAY CLEAR ZONE.
  2. LATERAL SEPARATION DISTANCE WILL BE DETERMINED ON A CASE-BY-CASE BASED ON CONDITIONS FOR SITE SPECIFIC LOCATIONS.
  3. CLEAR SIDEWALK WIDTH OF 4'-0" SHALL BE MAINTAINED.



FOUNDATION DETAIL - WINGED UNIBASE OPTION



10" SLIP BASE BOTTOM / ANCHOR	
PART NUMBER	ANCHOR SIZE
SB10-CTWA48-G	3"x48"

- NOTES:
1. DO NOT USE THIS DETAIL AT SITES WHERE FOUNDATION WILL BE BELOW THE GROUNDWATER TABLE, OR WHERE SOILS CONSIST OF LOOSE SANDS, SOFT CLAYS OR PEAT. REFER TO THE CONCRETE FOUNDATION DETAIL ON SHEET 5 FOR FOUNDATIONS SUITABLE FOR A BROADER RANGE OF SOIL TYPES AND GROUNDWATER CONDITIONS.
  2. DO NOT USE THIS DETAIL IN SOILS WHERE A SMALL DIAMETER REBAR (#5 OR SMALLER) OR METAL PROBE PENETRATES EASILY TO 6" OR MORE OF DEPTH WHEN THE FULL WEIGHT OF A PERSON IS APPLIED.
  3. DO NOT USE THIS DETAIL IN SOILS WHERE THE STANDARD PENETRATION TEST (SPT) BLOW COUNT IS 10 OR LESS.
  4. CONTRACTOR IS RESPONSIBLE TO VERIFY THE SOIL TYPE AND SUITABILITY BASED ON FIELD CONDITIONS PRIOR TO USE OPTION 1 - WINGED UNIBASE ANCHOR. IF SOILS ARE UNSUITABLE FOR APPLICATION OF WINGED UNIBASE ANCHOR, A SHAFT FOUNDATION SHALL BE USED AS SHOWN ON SHEET 5 OF 5.
  5. ORIENT WINGS SO THAT BROAD FACES ARE FACING IN NORTH-SOUTH DIRECTION AND WING EDGES ARE POINTING IN EAST-WEST DIRECTION.

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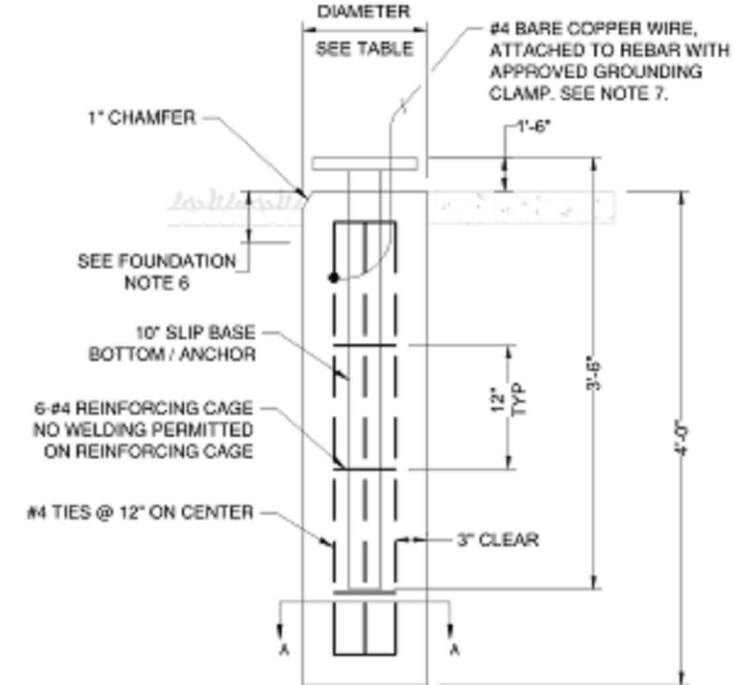
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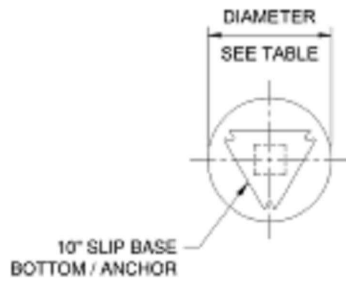
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TYPICAL DETAILS

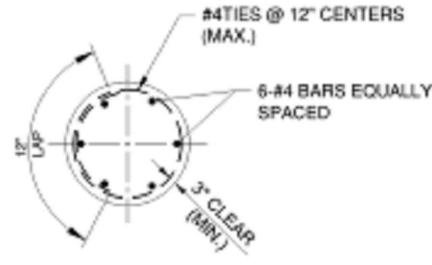




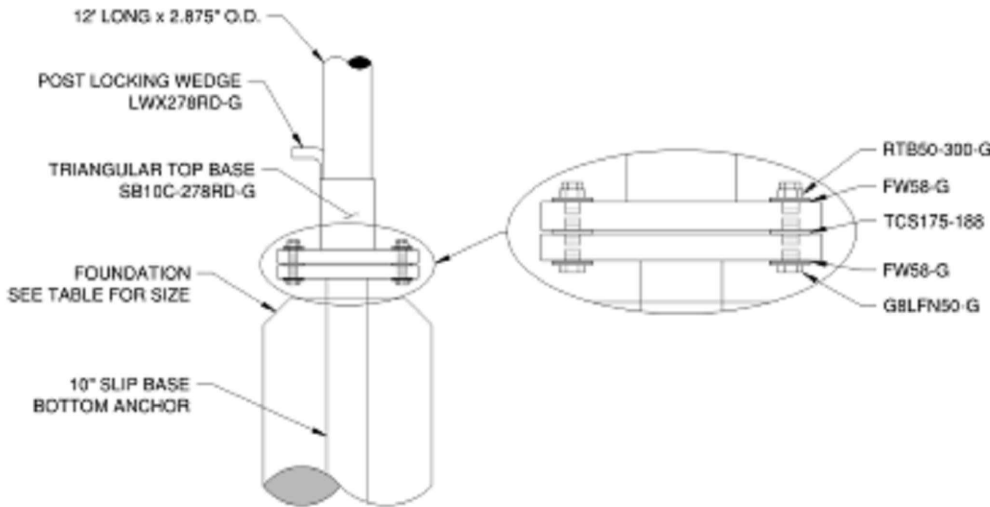
**DETAIL "A"**  
**FOUNDATION DETAIL - CONCRETE SHAFT OPTION**  
(PRECAST OR POURED-IN-PLACE)



**TOP VIEW**



**SECTION A-A**



**BASE MOUNTING DETAIL**



**10" SLIP BASE - SB10-CTA42-G**  
**BOTTOM / ANCHOR**

**FOUNDATION NOTES:**

1. CONCRETE: CLASS I WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,000 PSI, AND HAVE AT LEAST 505 POUNDS OF CEMENTITIOUS MATERIAL PER CUBIC YARD.
2. REINFORCING STEEL: ASTM A615, GRADE 60.
3. FOR PRECAST CONCRETE FOUNDATIONS, FILL THE VOID AROUND THE FOUNDATION WITH FLOWABLE FILL OR CLEAN SANDS USING HYDRAULIC METHODS TO A LEVEL 6 INCHES BELOW GRADE.
4. WHERE FOUNDATION ABUTS THE SIDEWALK, THE TOP OF THE FOUNDATION SHALL BE LEVEL WITH THE SIDEWALK. FOR ALL OTHER CASES, THE TOP OF THE FOUNDATION SHALL NOT BE MORE THAN 3 INCHES ABOVE GRADE.
5. SUPPLEMENTAL GROUNDING CONDUCTOR SHALL BE NON-INSULATED #4 AWG STRANDED COPPER AND SHALL BE CLAMPED TO VERTICAL REBAR WITH A CONNECTOR SUITABLE FOR USE IN CONCRETE: PROVIDE 3'-0" MIN. SLACK. ATTACH TO POLE GROUNDING STUD WITH A FULL CIRCLE CRIMP-ON CONNECTOR (CRIMPED WITH A MANUFACTURER RECOMMENDED CRIMPER).

**FOUNDATION DESIGN NOTES:**

1. DO NOT USE THIS DETAIL FOR SITES WHERE SOIL CONSISTS OF SOFT CLAY, PEAT OR ANY OTHER SOIL WHERE A SMALL DIAMETER REBAR (#5 OR SMALLER) OR METAL PROBE PENETRATES EASILY TO 6" OR MORE OF DEPTH WHEN THE FULL WEIGHT OF A PERSON IS APPLIED.

POLE TYPE	WIND SPEED	POLE HEIGHT	FOUNDATION		FOUNDATION REINFORCEMENT	
			DIAMETER	DEPTH	VERTICAL	HORIZONTAL
2.875" O.D. STEEL POST	100 MPH	12'	1'-0"	4'-0"	6 - NO. 4	NO. 4 @ 12" C-C

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**811**  
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