

LICENSE PLATE READER INSTALLATION

STATE OF FLORDIA

IN COLLABORATION WITH

PALM BAY POLICE DEPARTMENT

PERMITTING JURISDICTION:
CITY OF PALM BAY

DRAWING INDEX

- T.01 - T.04 - COVER SHEET & LOCATION MAPS
- T.05 - SYMBOLOGY AND ABBREVIATIONS
- GN.01 & GN.02 - GENERAL NOTES
- SHEETS 1 - 18 PLAN DRAWINGS
- SPEC.01 - SPEC.03 - EQUIPMENT AND FOUNDATION DETAILS
- TCP.01 - TCP.05 - TRAFFIC CONTROL PLANS

PROJECT SUMMARY

INSTALLING (18) NEW POLES IN CITY MAINTAINED PUBLIC RIGHT OF WAY.
EACH FLOCK POLE SUPPORTING ONE LICENSE PLATE READER CAMERA - WITH
SOLAR PANEL AND BATTERY PACK - FOR THE PALM BAY POLICE DEPARTMENT.

CONTACT LIST

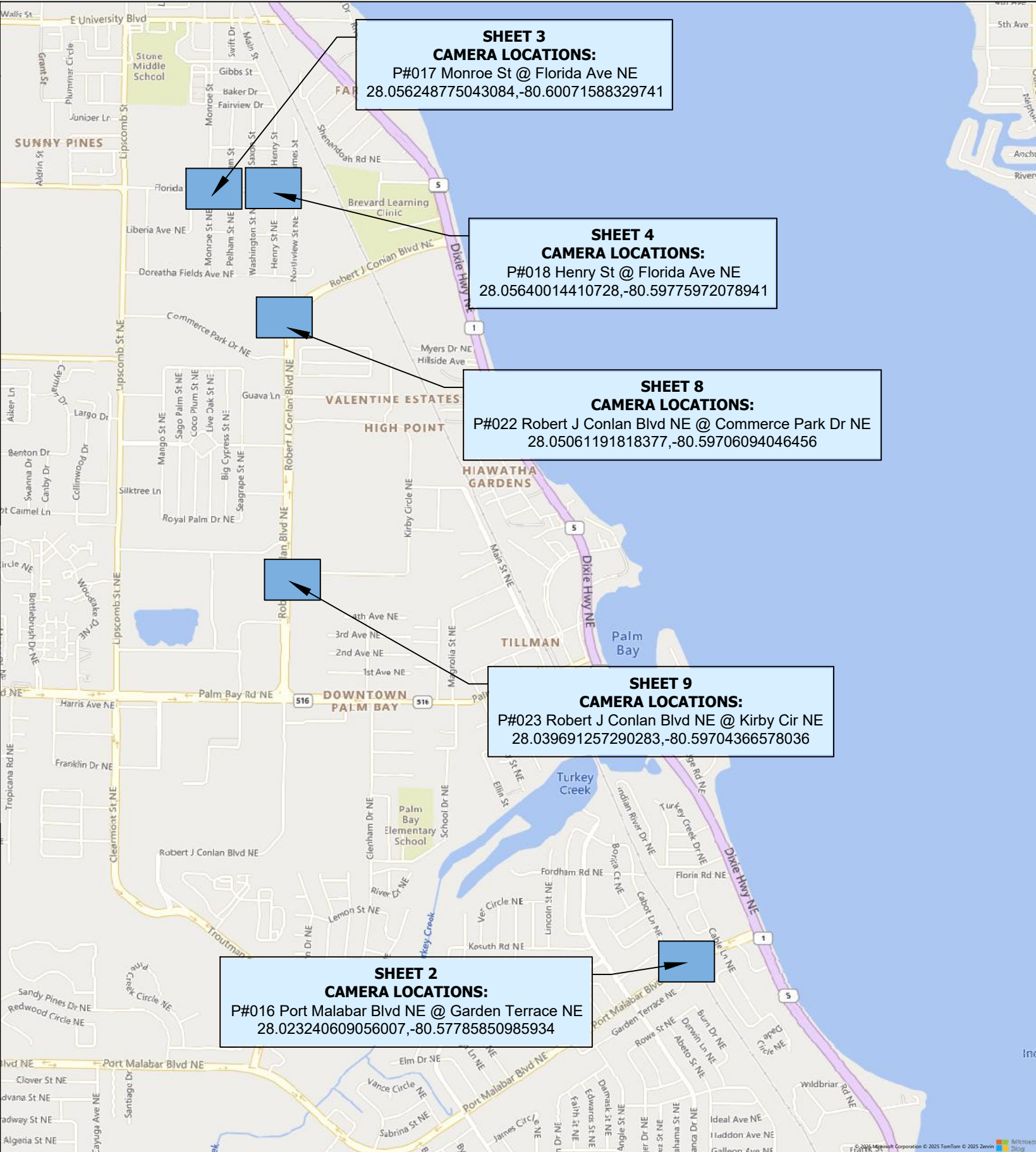
FLOCK SAFETY
1170 HOWELL MILL ROAD NW
SUITE 210
ATLANTA, GA 30318
PERMIT@FLOCKSAFETY.COM
415-669-0341

BLUEWATER TELECOMMUNICATIONS
MICHAEL FLUKER
PERMITTING MANAGER
407-432-8618
100 E PINE ST
ORLANDO, FL 32801

SEE APPROVED PERMIT FOR LISTED INSPECTOR

NOTE:
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HORIZONTALLY AND VERTICALLY OF EXISTING FACILITIES.

SITE LOCATION MAP



REVISIONS

DATE	REV	DESCRIPTION

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T.01

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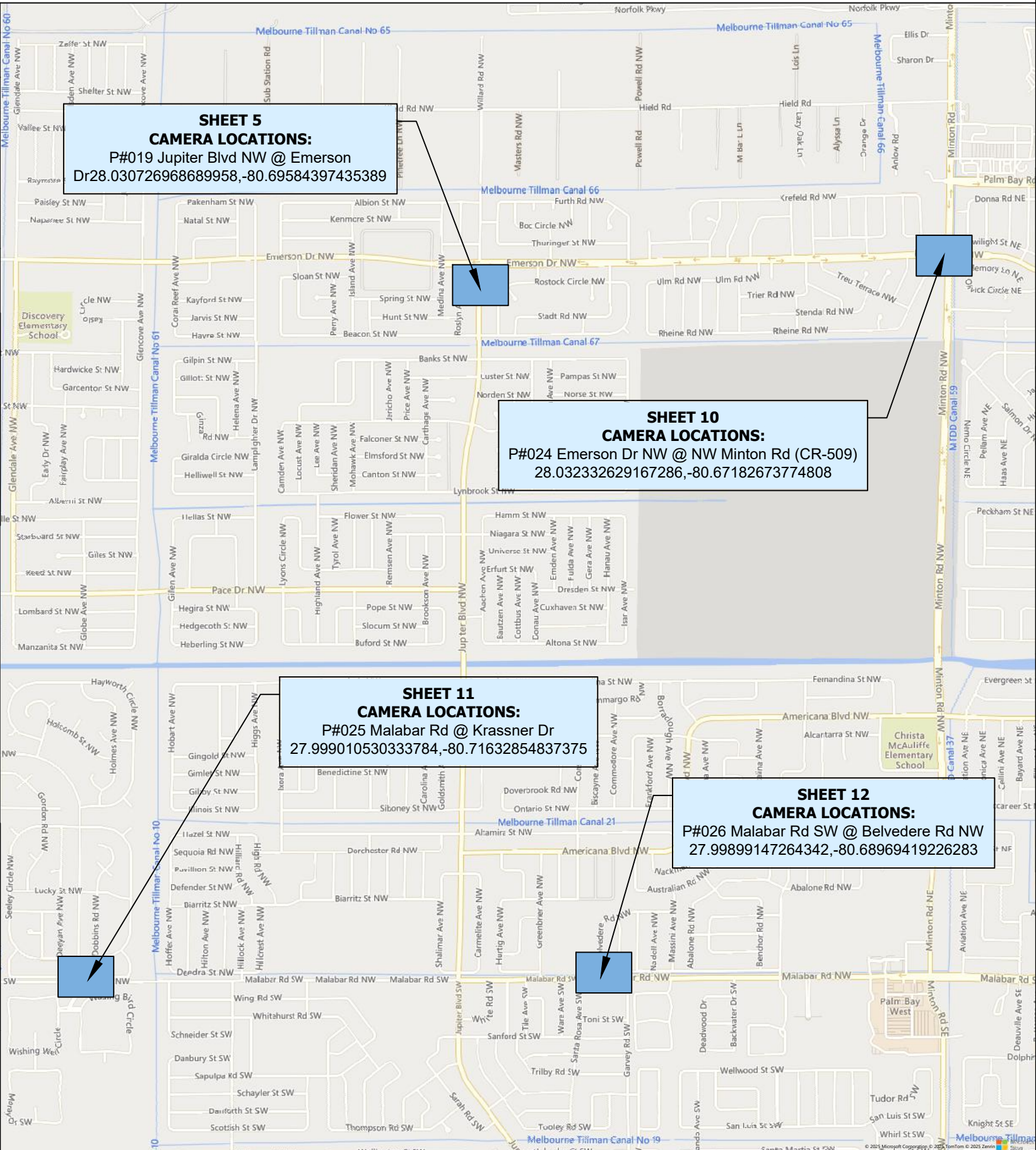
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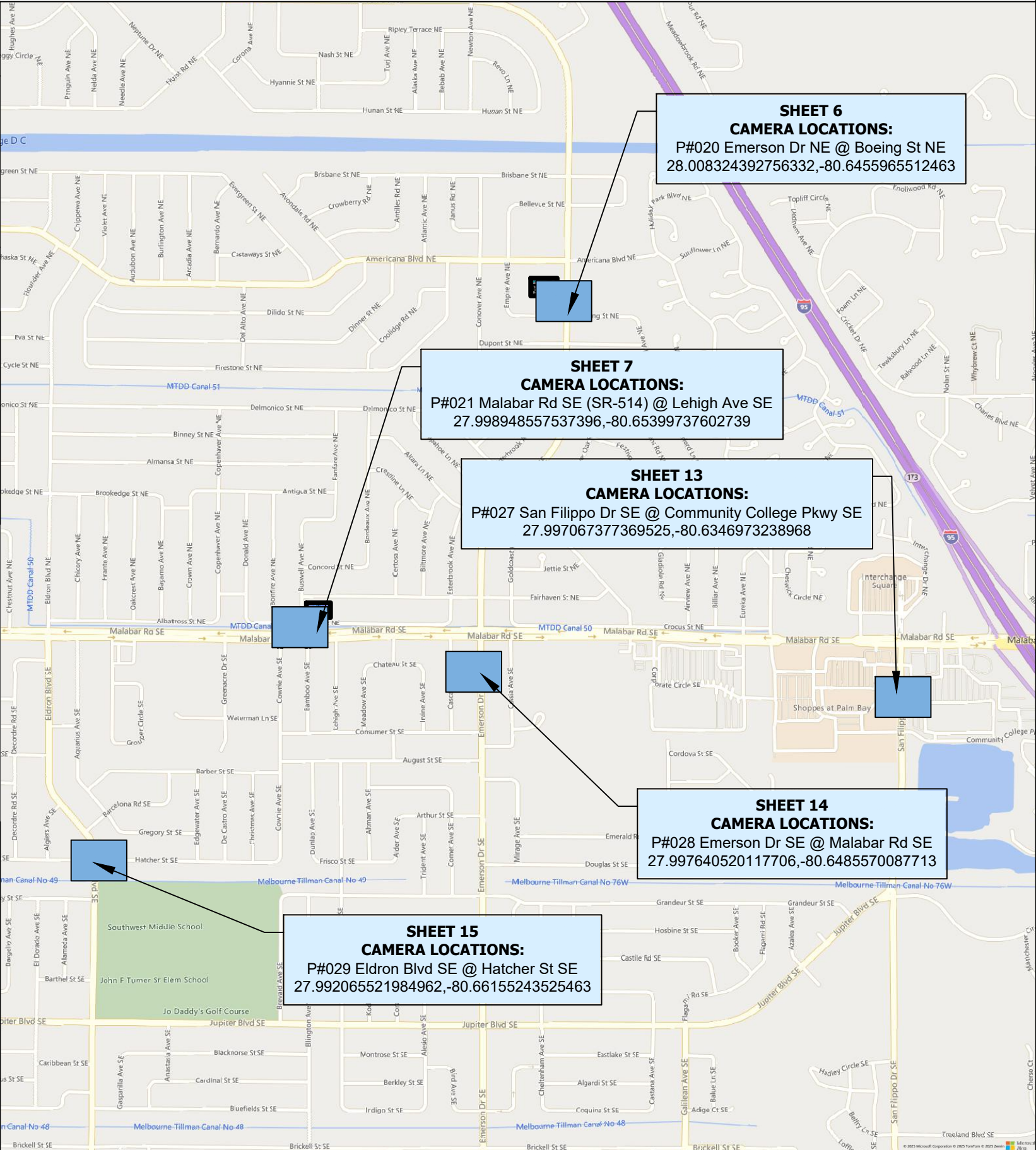
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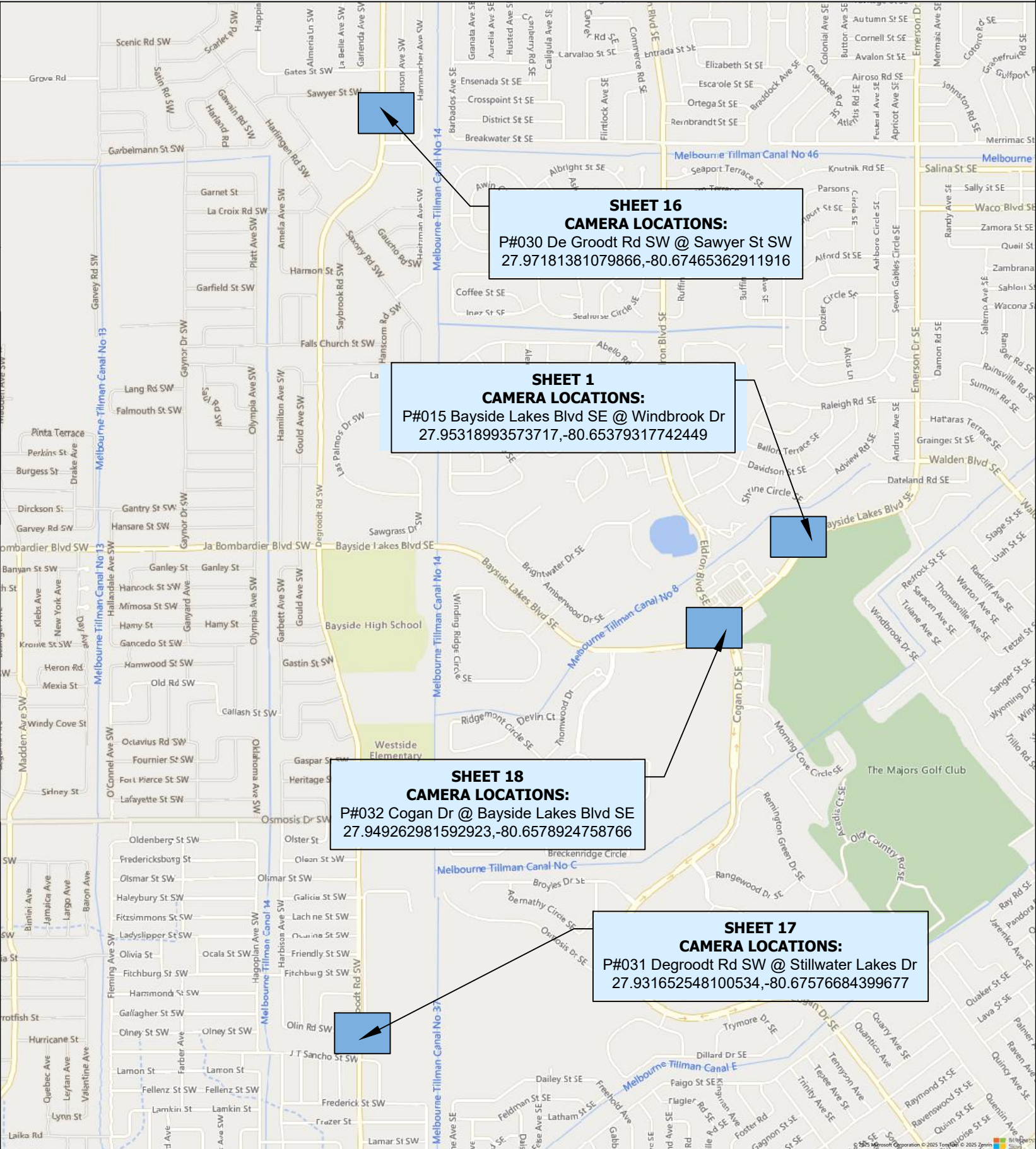
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LINETYPES

	R/W	RIGHT OF WAY
	EOP	EDGE OF PAVEMENT
	SW	SIDEWALK
	C/L	CENTERLINE
	G	GAS
	W	WATER
	T	TELEPHONE
	E	ELECTRIC
	SEW	SANITARY SEWER (SEW)
	SD	STORM DRAIN
	X	FENCE
	TV	CABLE TV
	STM	STEAM
	OIL	OIL
	UNK	UNKNOWN UTILITY
		RAILROAD

SYMBOLOLOGY

	CAMERA - EXISTING
	CAMERA - PROPOSED
	POLE - PROPOSED
	POLE - EXISTING
	HANDHOLE - EXISTING
	HANDHOLE - PROPOSED
	PEDESTAL - EXISTING
	MANHOLE - EXISTING
	POINT OF INTEREST
	ACCESS POINT
	CULVERT - EXISTING
	FIRE HYDRANT - EXISTING
	WATER MAIN - EXISTING
	WATER VALVE - EXISTING
	GAS VALVE - EXISTING
	DOWN GUY AND ANCHOR
	OVERHEAD GUY
	BORING REQUIRED
	UG CONDUIT - EXISTING

ABBREVIATIONS:

ABAND	Abandoned	MAX	Maximum
APPROX	Approximate	MB	Mailbox
ASPH	Asphalt	MH	Manhole
BLDG	Building	MIN	Minimum
CL	Centerline	MIT	Mitigation
CMP	Corrugated Metal Pipe	MKR	Marker
CO	County	MMV	Meet Me Vault
CONC	Concrete	MON	Monument
CSG	Casing	MOT	Maintenance of Traffic
CT	Count	NO	Number
CULV	Culvert	OC	Open Cut
DB	Directional Bore	PRK MTR	Parking Meter
DBH	Diameter at Breast Height	P/L	Property Line
D.D.	Down Drain	PED	Pedestal
DEPT	Department	PI	Point of Inflection
DIA	Diameter	PKG	Package
DIR	Directional	PVC	Polyvinyl Chloride
DIST	District	RCB	Reinforced Concrete Box
DOC	Depth of Cover	RCP	Reinforced Concrete Pipe
DOT	Department of Transportation	RD MEM	Roadside Memorial
DWG	Drawing	REQD	Required
DWY	Driveway	RGS	Rigid Galvanized Steel
E MH	Electric Manhole	ROW	Right of Way
E MKR	Electric Line Marker	RR	Railroad
E PED	Electric Pedestal	SCB	Sprinkler Control Box
E VLT	Electric Vault	SD	Storm Drain/Curb Inlet
EM	Electric Meter	SDMH	Storm Water Manhole
ENC	Encased	SEC.	Section
ENG	Engineering	SF	Silt Fence
EOP	Edge of Pavement	SMH	Sanitary Sewer Manhole
EPB	Electric Pull Box	SPL	Splice
EXIST	Existing	SS CO	Sanitary Sewer Clean Out
FDH	Fiber Distribution Hub	SS LIFT	Sanitary Sewer Lift Station
FDT	Fiber Distribution Terminal	STA.	Station
FH	Fire Hydrant	STD	Standard
FO	Fiber Optic	STR	Section Township Range
FO MH	Fiber Optic Manhole	SWPPP	Storm Water Pollution Prevention Plan
FO MKR	Fiber Optic Line Marker	T HH	Telecom Handhole
FO VLT	Fiber Optic Vault	T MH	Telecom Manhole
FOC	Face of Curb	T MKR	Telecom Line Marker
FS	Filter Sock	T PED	Telecom Pedestal
G MH	Gas Manhole	T VLT	Telecom Access Vault
G MKR	Gas Line Marker	T.P.	Trench Plug
G SD	Grated Storm Drain	TCB	Traffic Control Box
GALV	Galvanized	TCE	Temporary Construction Easement
GEO SRV MKR	Geodetic Survey Marker	TCV	Traffic Control Vault
GM	Gas Meter	TRF MH	Traffic Control Manhole
GV	Gas Valve	TSP	Traffic Signal Light
GWMW	Groundwater Monitoring Well	TYP	Typical
HDPE	High Density Polyethylene	UG	Underground
HH	Handhole	UNK MH	Unknown Manhole
HWY	Highway	UNK PED	Unknown Pedestal
I.P.	Inlet Protection	UNK UTL MKR	Unknown Utility Marker
ILA	In Line Amplifier	UNK VLT	Unknown Vault
INC	Incorporated	UTL LP	Utility Light Pole
INT	Intermediate	UTL P	Utility Pole
L/A ROW	Limited Access Right of Way	VLT	Vault
LF	Linear Feet	VP	Gas Vent Pipe
LOC MKR	Locating Marker	W MH	Water Manhole
LP	Light Pole	W MKR	Water Line Marker
		W SPG	Water Spigot
		W VLT	Water Vault
		WM	Water Meter
		WV	Water Valve

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T.05

DESIGN NOTES:

1. POLE AND FOUNDATION DESIGNED PER CURRENT STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS.
2. POLE DESIGN WIND SPEED IS 150 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.

CITY 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 FOUNDATION. CONTRACTOR WILL COORDINATE THE DEPTH OF FOUNDATION WITH COUNTY INSPECTOR PRIOR TO ANY CONSTRUCTION BEING PERFORMED.
3. CURRENT A.D.A. STANDARDS SHALL BE UPHELD AT ALL TIMES.
4. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ADJACENT PROPERTY IN THE VICINITY OF THE CONSTRUCTION
5. CONTRACTOR SHALL PROVIDE SAFE ACCESS PER CURRENT FDOT STANDARD REGULATIONS FOR ALL PEDESTRIAN TRAFFIC AND REGULATIONS ON ALL EXCAVATIONS OPENED IN THE TRAFFIC ZONE CONTROL AREA.
6. CONTRACTOR SHALL RESTORE RIGHT-OF-WAY TO EQUAL OR BETTER CONDITION UPON COMPLETION OF WORK

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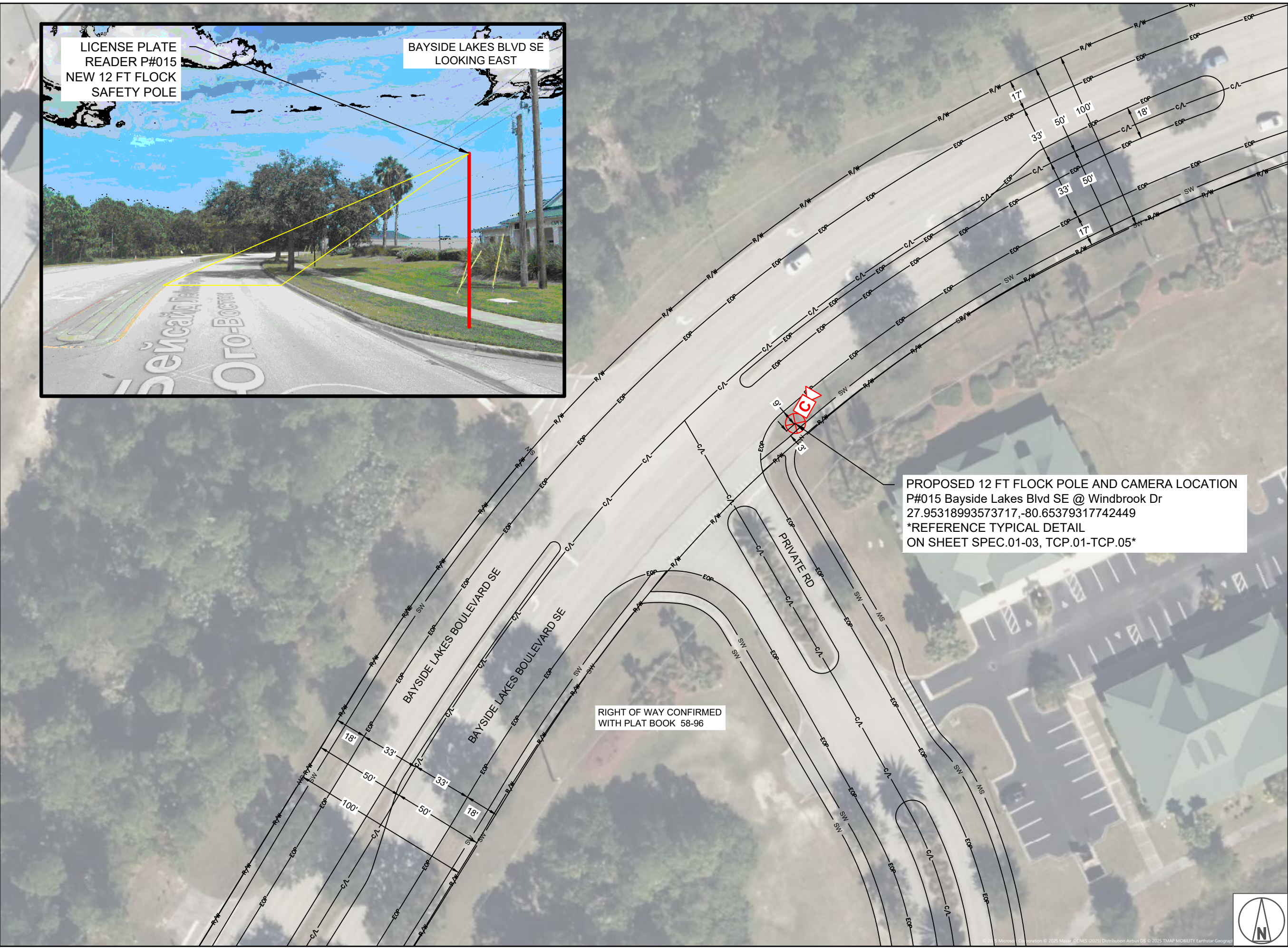
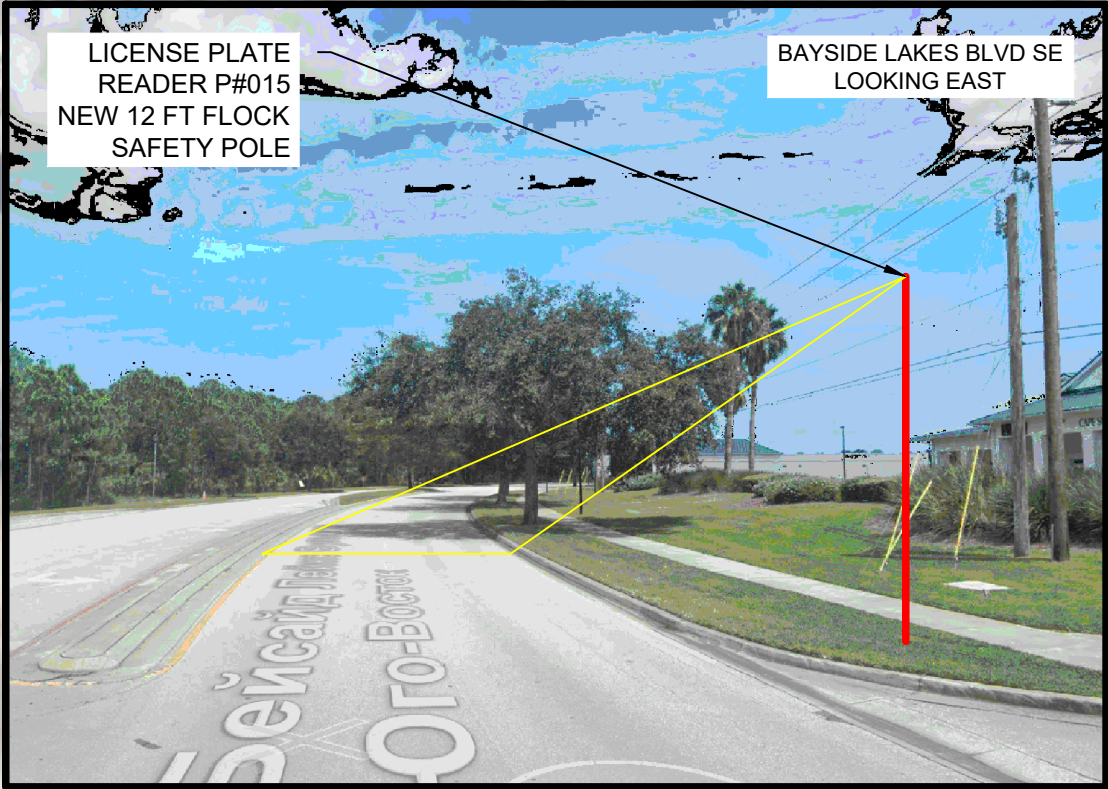




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GN.01



PROPOSED 12 FT FLOCK POLE AND CAMERA LOCATION
P#015 Bayside Lakes Blvd SE @ Windbrook Dr
27.95318993573717, -80.65379317742449
*REFERENCE TYPICAL DETAIL
ON SHEET SPEC.01-03, TCP.01-TCP.05*

RIGHT OF WAY CONFIRMED
WITH PLAT BOOK 58-96

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SHEET 1



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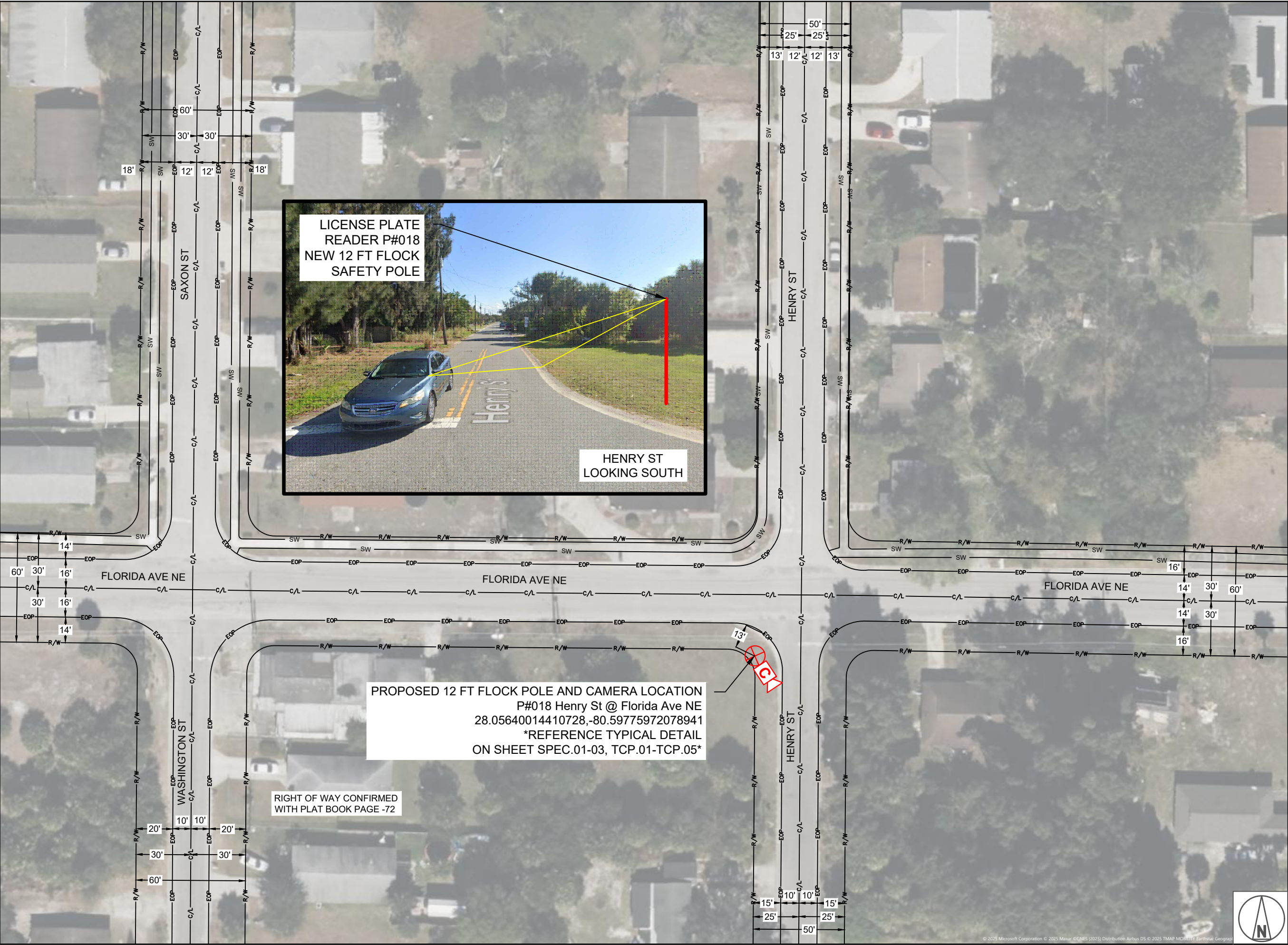


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SHEET 3



LICENSE PLATE
READER P#018
NEW 12 FT FLOCK
SAFETY POLE

HENRY ST
LOOKING SOUTH

PROPOSED 12 FT FLOCK POLE AND CAMERA LOCATION
P#018 Henry St @ Florida Ave NE
28.05640014410728,-80.59775972078941
*REFERENCE TYPICAL DETAIL
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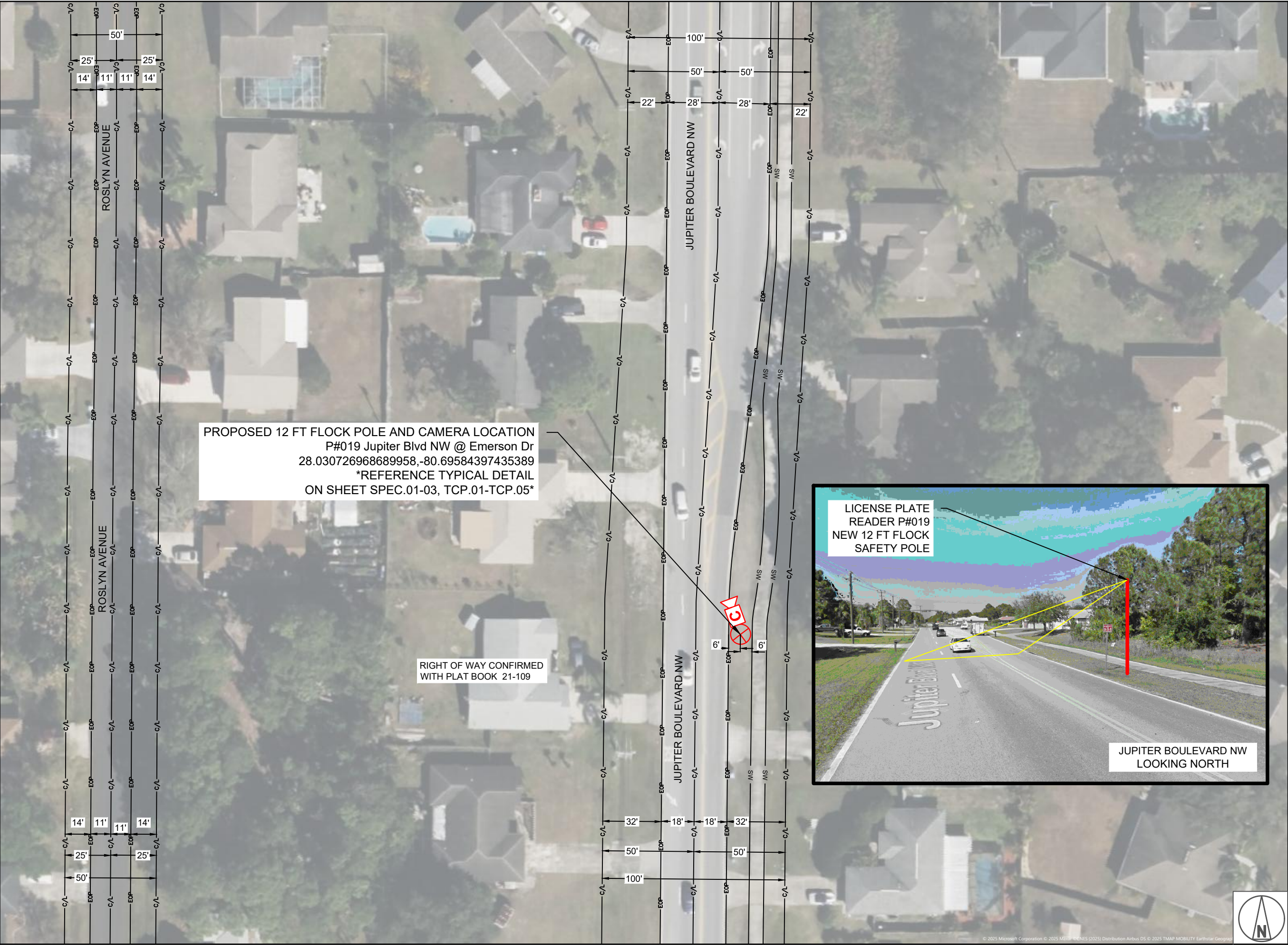
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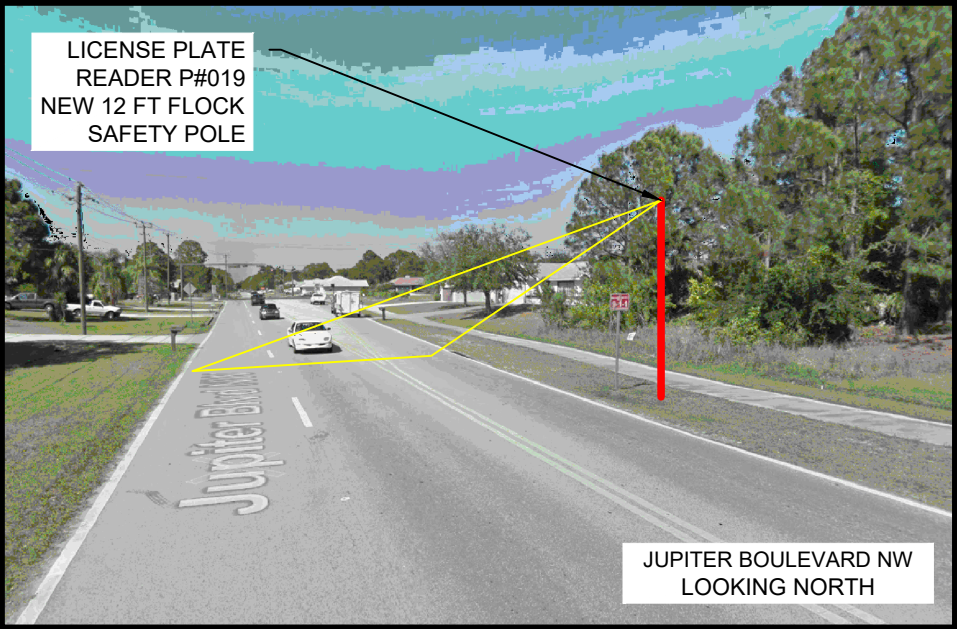
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SHEET 4



PROPOSED 12 FT FLOCK POLE AND CAMERA LOCATION
P#019 Jupiter Blvd NW @ Emerson Dr
28.030726968689958,-80.69584397435389
*REFERENCE TYPICAL DETAIL
ON SHEET SPEC.01-03, TCP.01-TCP.05*

RIGHT OF WAY CONFIRMED
WITH PLAT BOOK 21-109



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

989715

SHEET 5



1 INCH = 50 FEET

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flock safety

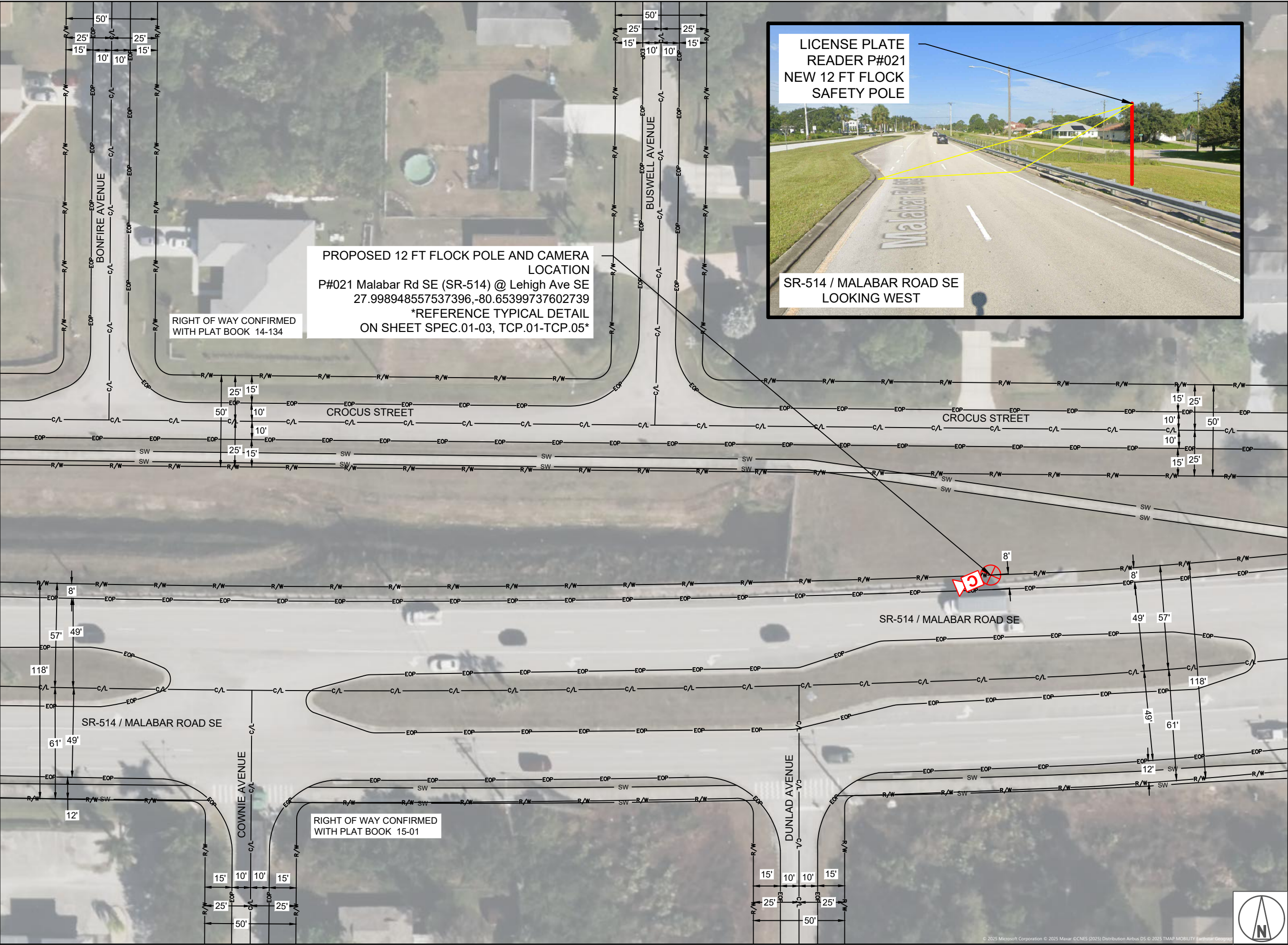


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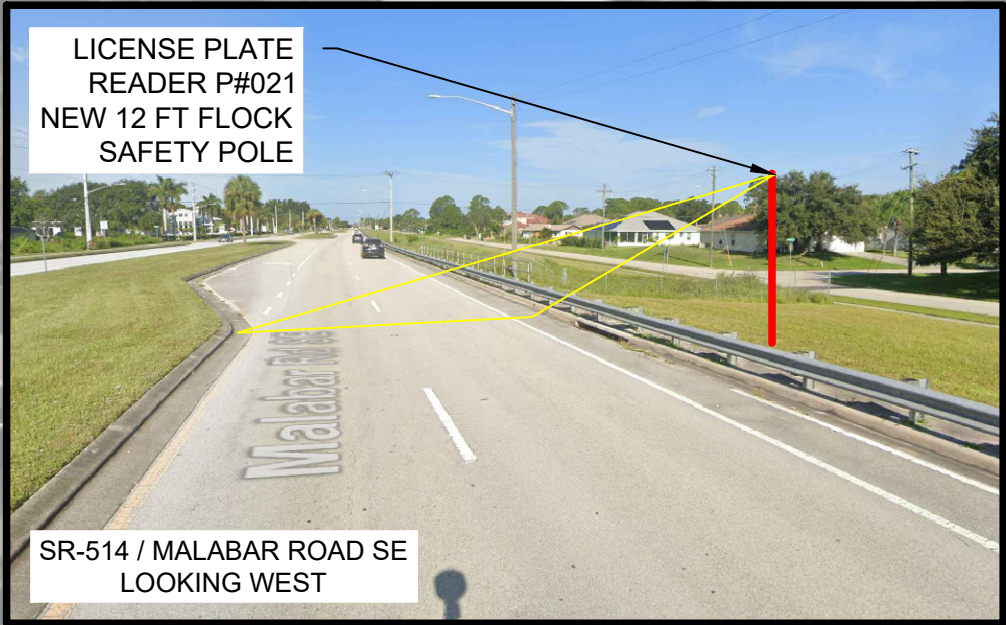
SHEET 6



PROPOSED 12 FT FLOCK POLE AND CAMERA
LOCATION
P#021 Malabar Rd SE (SR-514) @ Lehigh Ave SE
27.998948557537396,-80.65399737602739
*REFERENCE TYPICAL DETAIL
ON SHEET SPEC.01-03, TCP.01-TCP.05*

RIGHT OF WAY CONFIRMED
WITH PLAT BOOK 14-134

RIGHT OF WAY CONFIRMED
WITH PLAT BOOK 15-01



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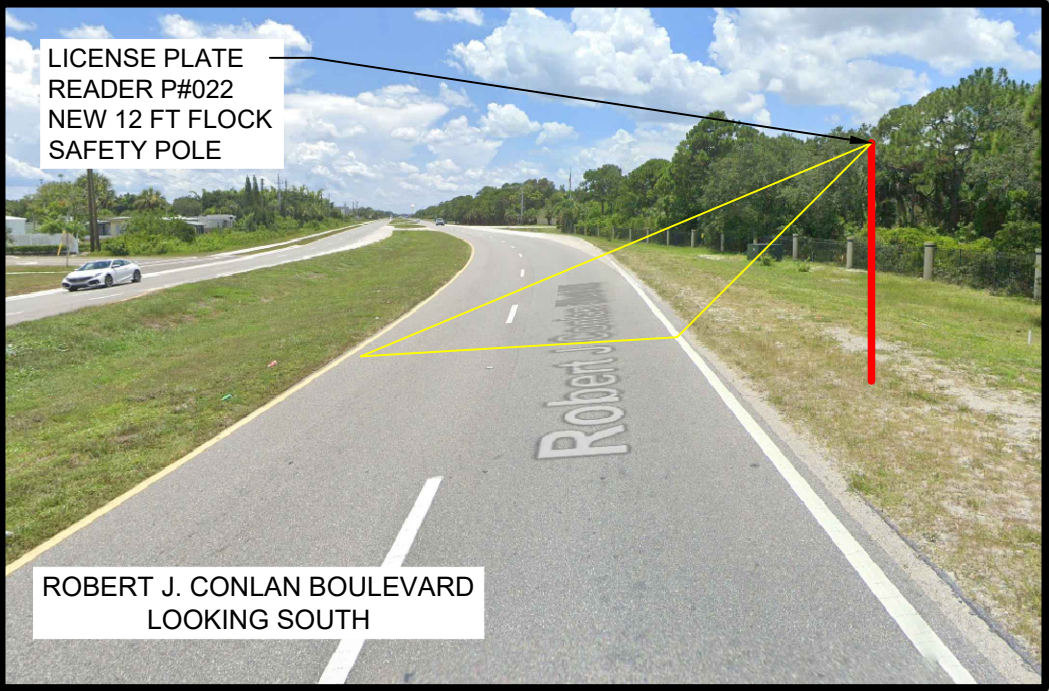


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SHEET 7



RIGHT OF WAY CONFIRMED
WITH PLAT BOOK 70-10

PROPOSED 12 FT FLOCK POLE AND CAMERA
LOCATION
P#022 Robert J Conlan Blvd NE @ Commerce Park Dr NE
28.05061191818377,-80.59706094046456
*REFERENCE TYPICAL DETAIL
ON SHEET SPEC.01-03, TCP.01-TCP.05*

1 INCH = 50 FEET

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SHEET 8



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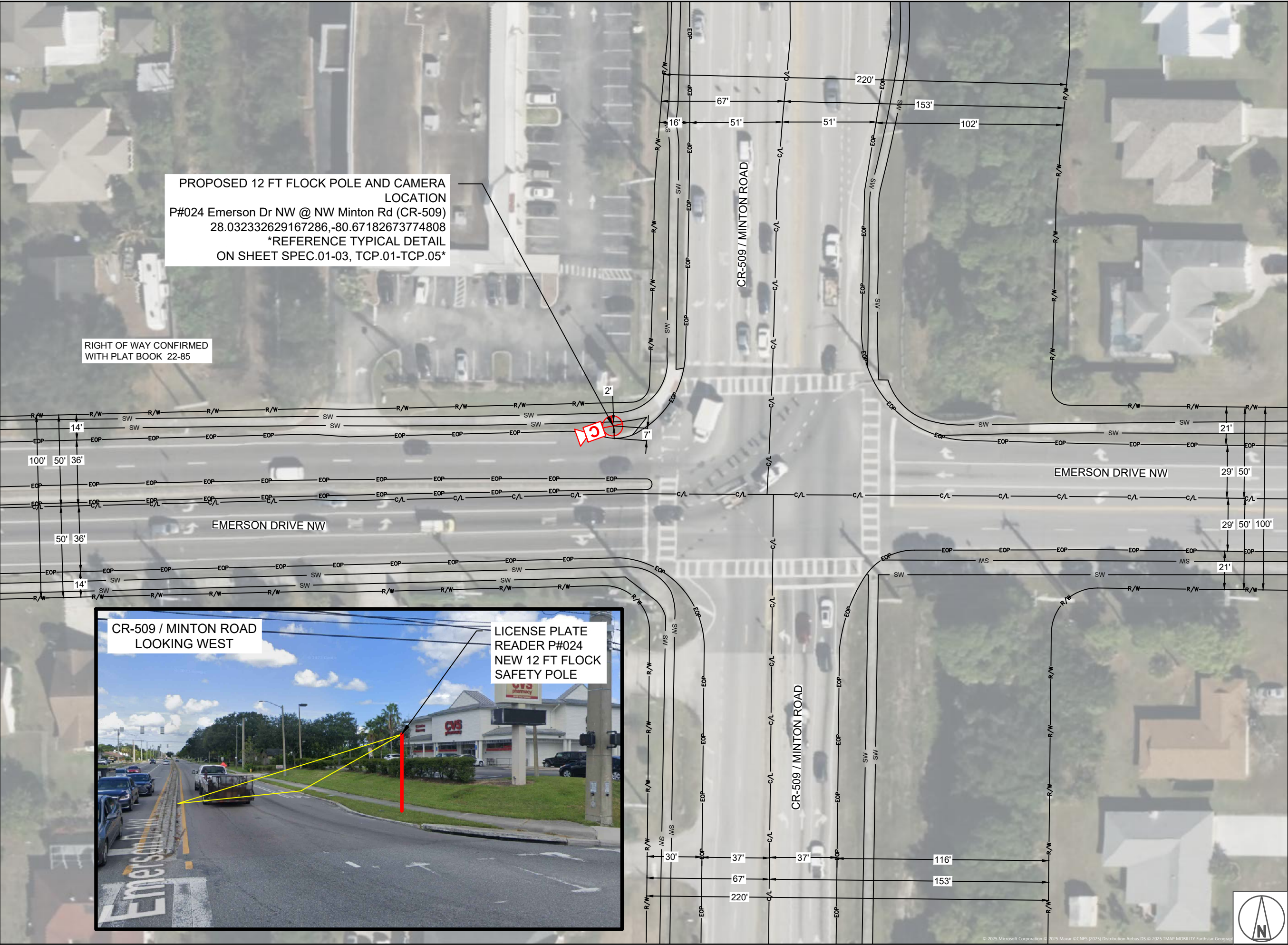


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989715

SHEET 9



PROPOSED 12 FT FLOCK POLE AND CAMERA
LOCATION
P#024 Emerson Dr NW @ NW Minton Rd (CR-509)
28.032332629167286,-80.67182673774808
*REFERENCE TYPICAL DETAIL
ON SHEET SPEC.01-03, TCP.01-TCP.05*

RIGHT OF WAY CONFIRMED
WITH PLAT BOOK 22-85

CR-509 / MINTON ROAD
LOOKING WEST

LICENSE PLATE
READER P#024
NEW 12 FT FLOCK
SAFETY POLE

1 INCH = 50 FEET

REVISIONS

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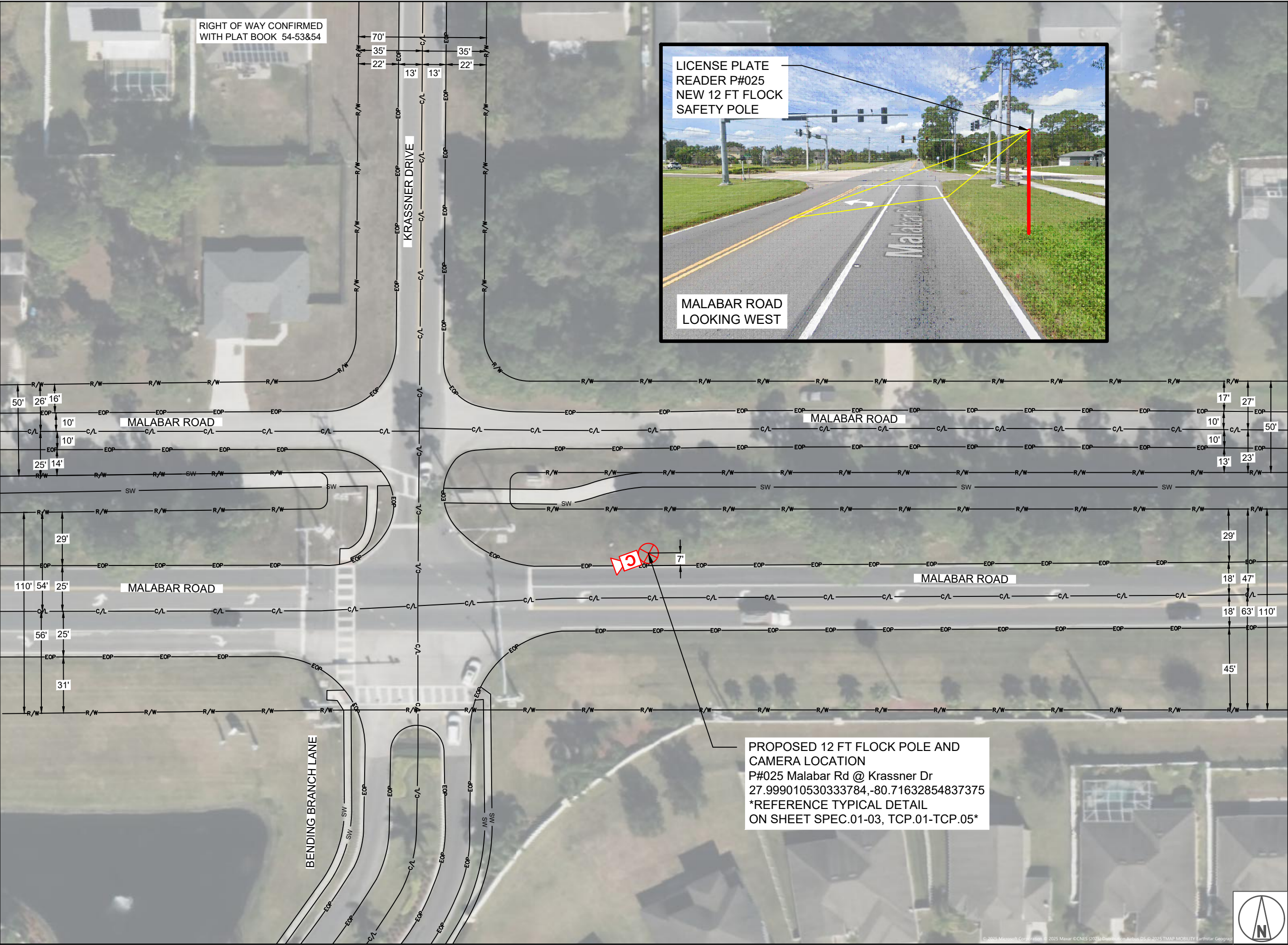
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SHEET 10



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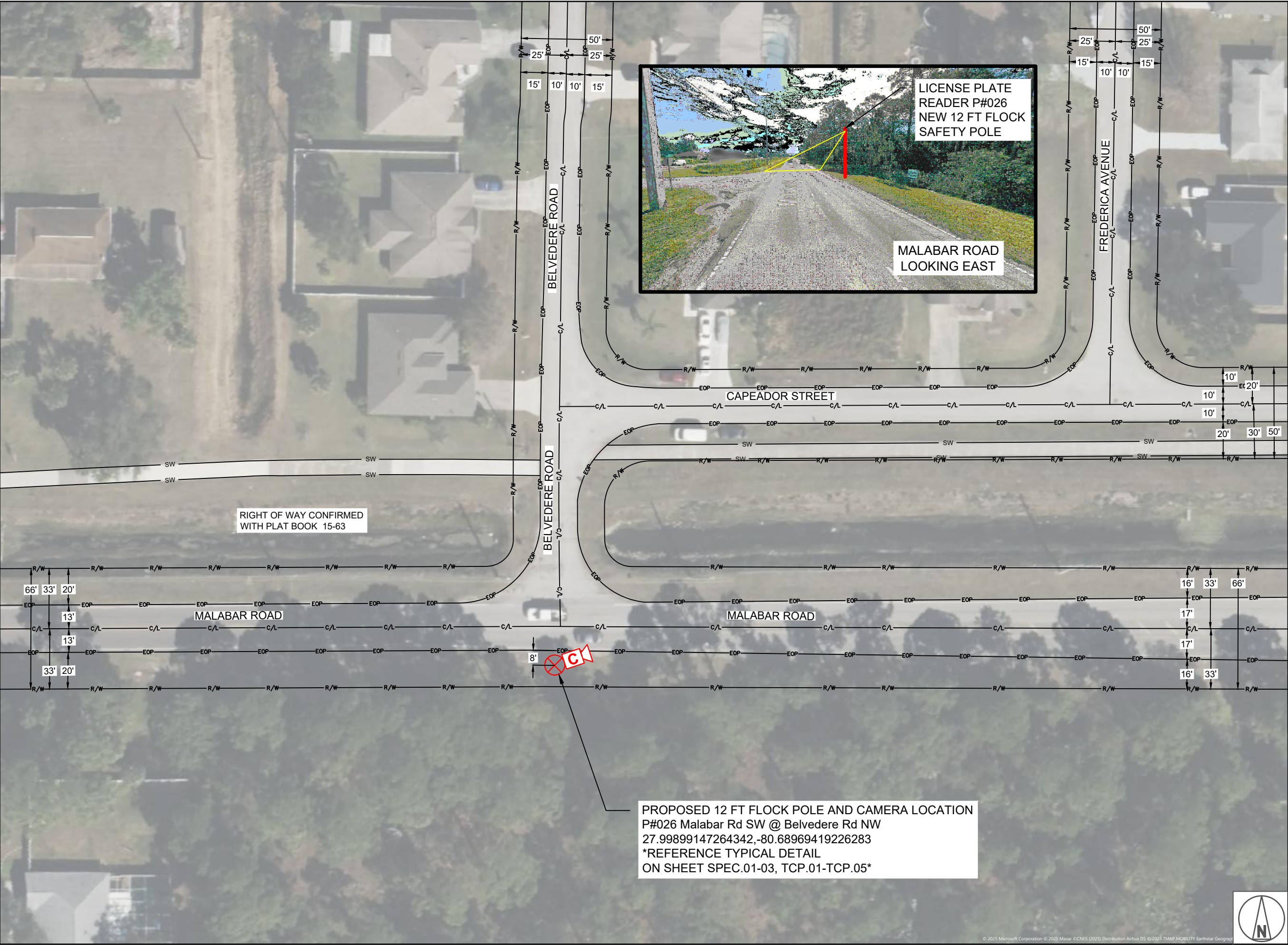


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SHEET 11



1 INCH = 50 FEET

REVISIONS

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BLUEWATER Telecommunications, Inc.

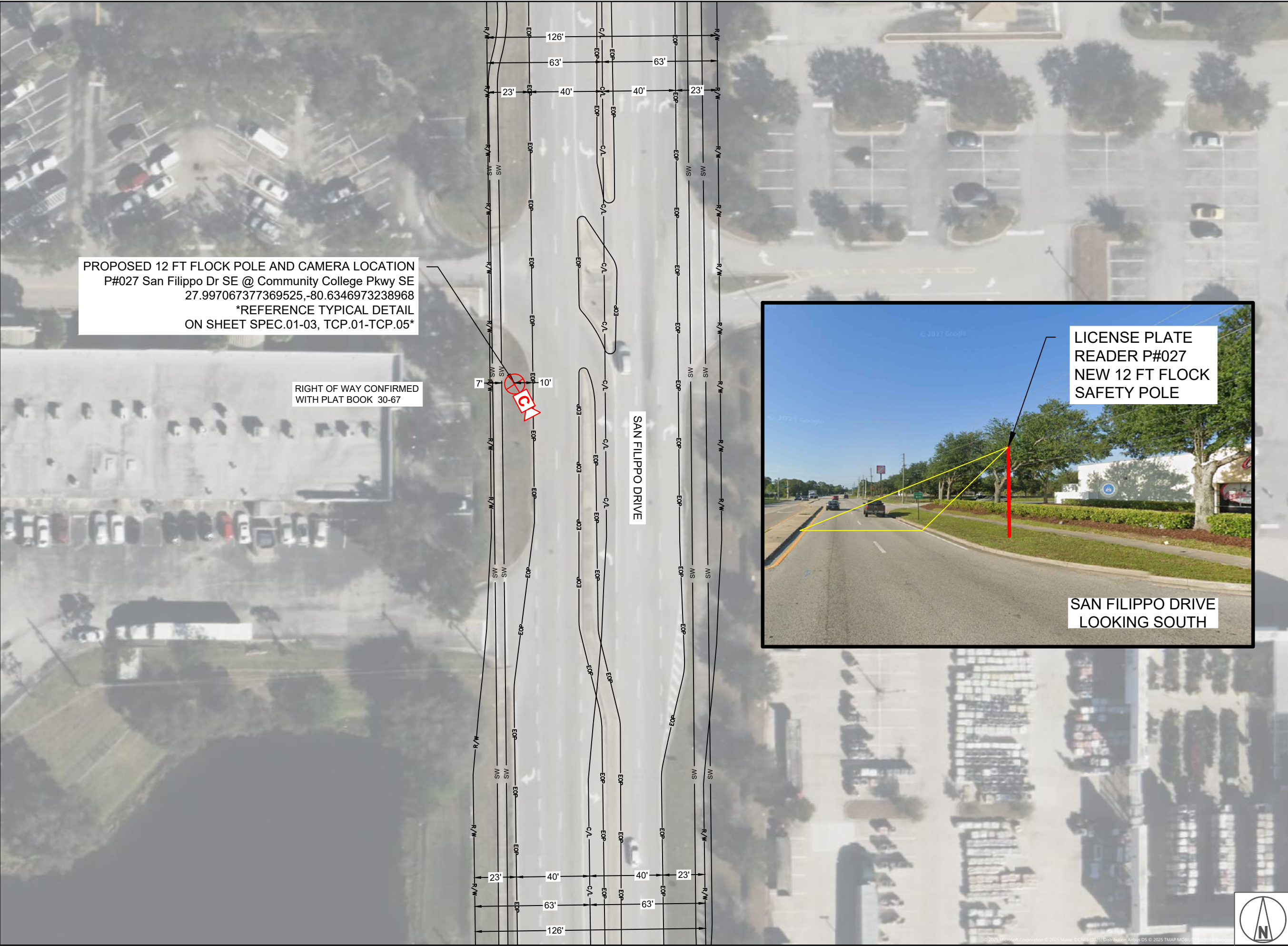
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SHEET 12



1 INCH = 50 FEET

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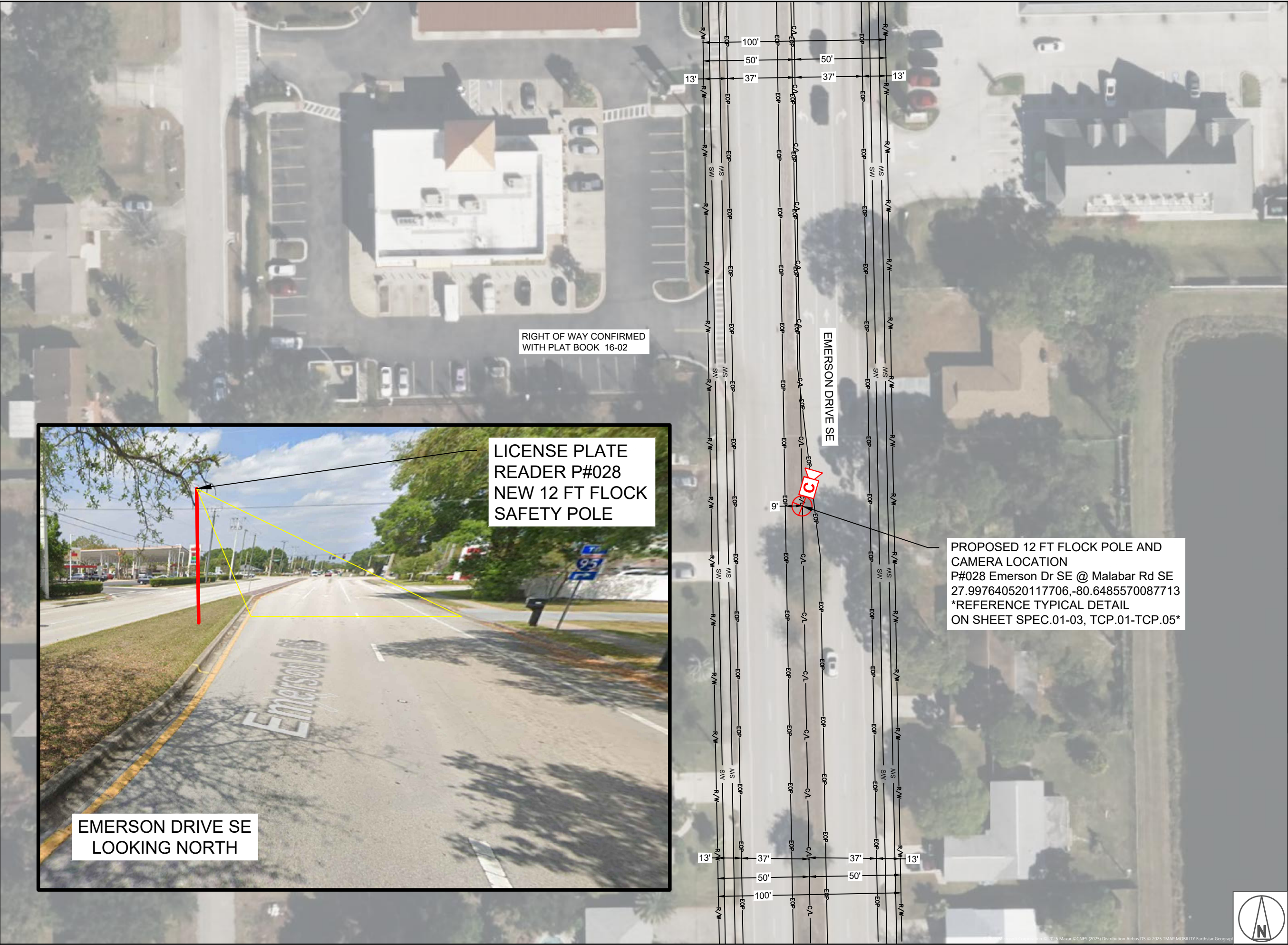
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SHEET 13



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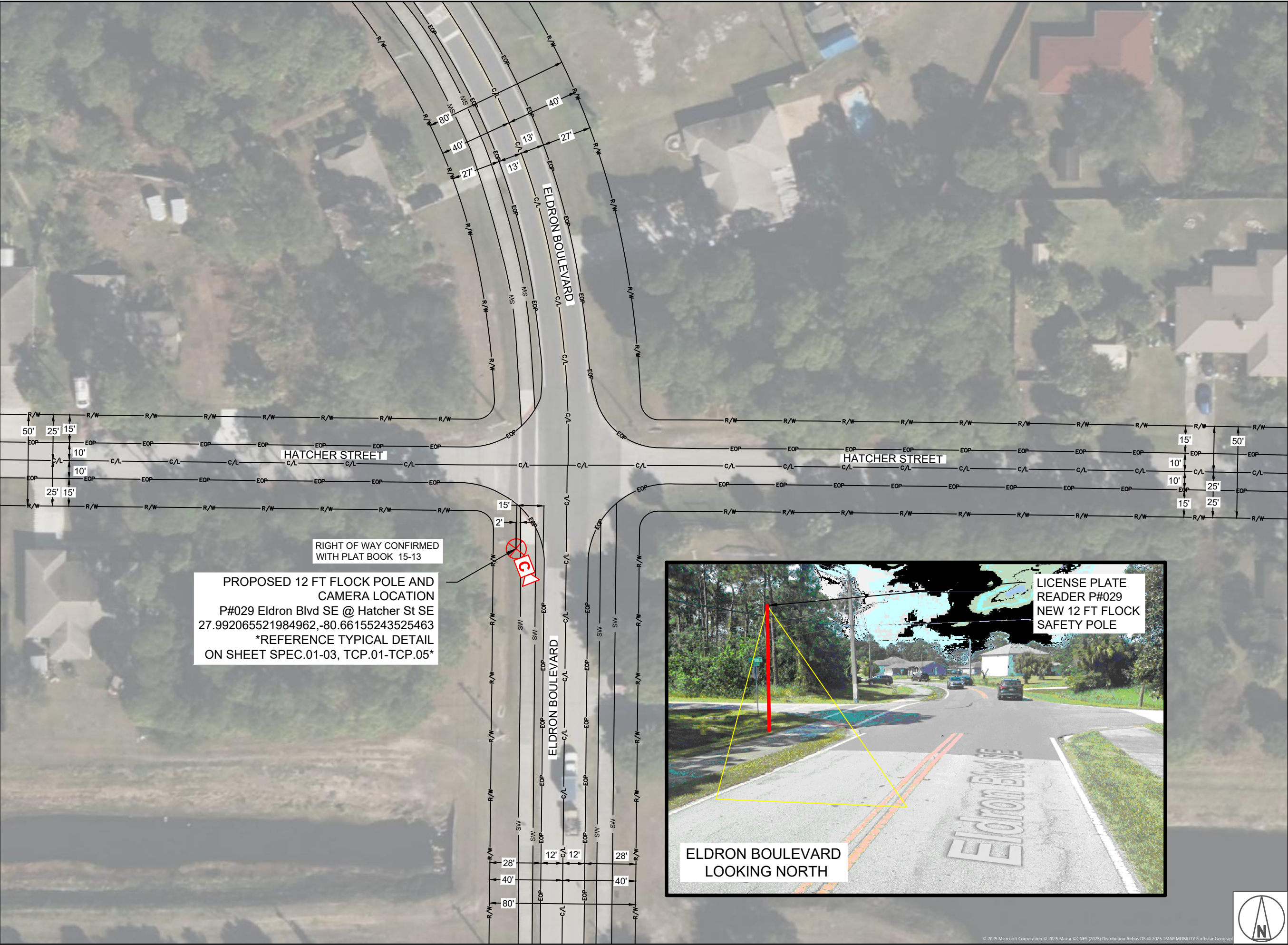


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SHEET 14



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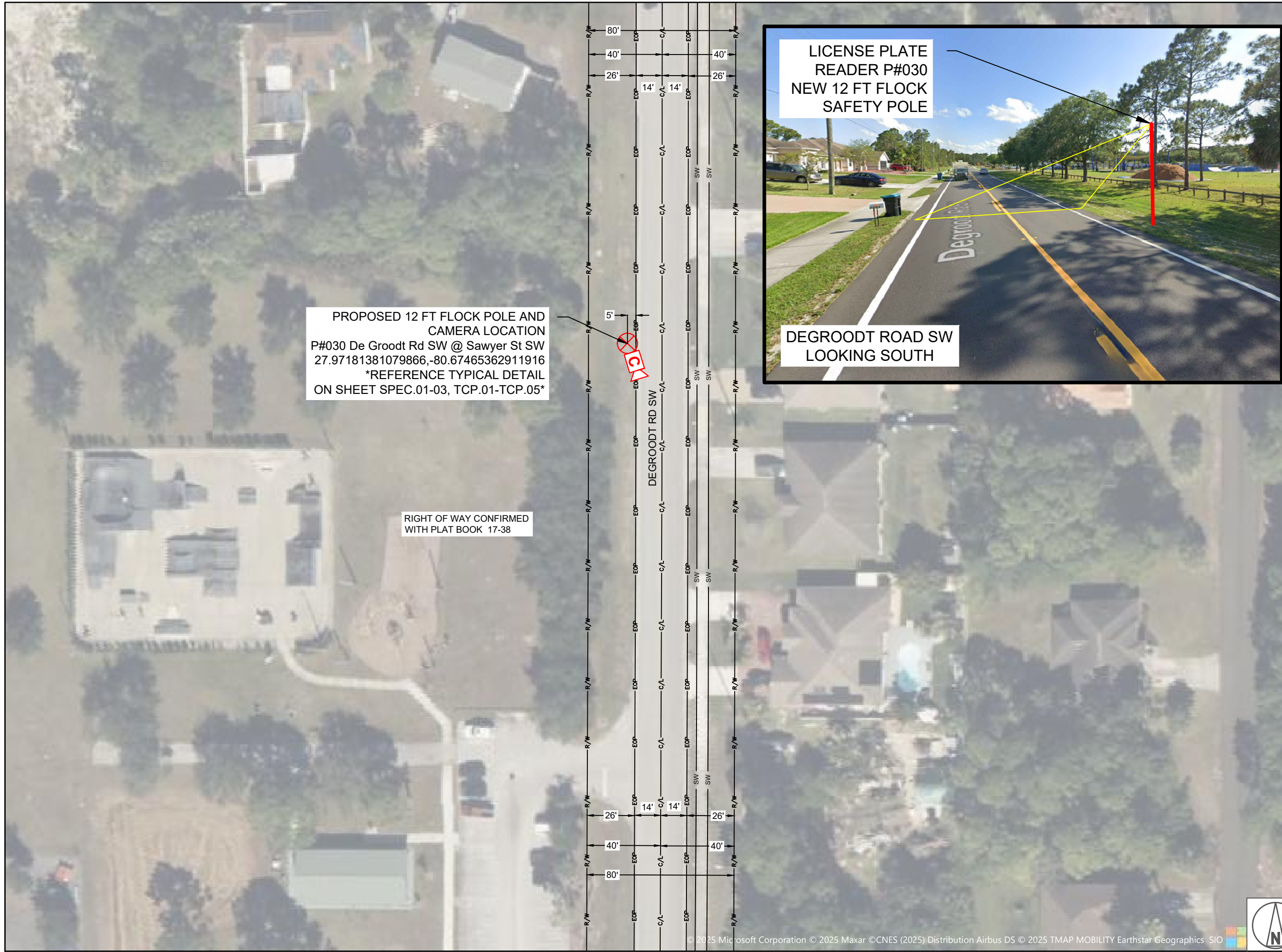
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SHEET 15





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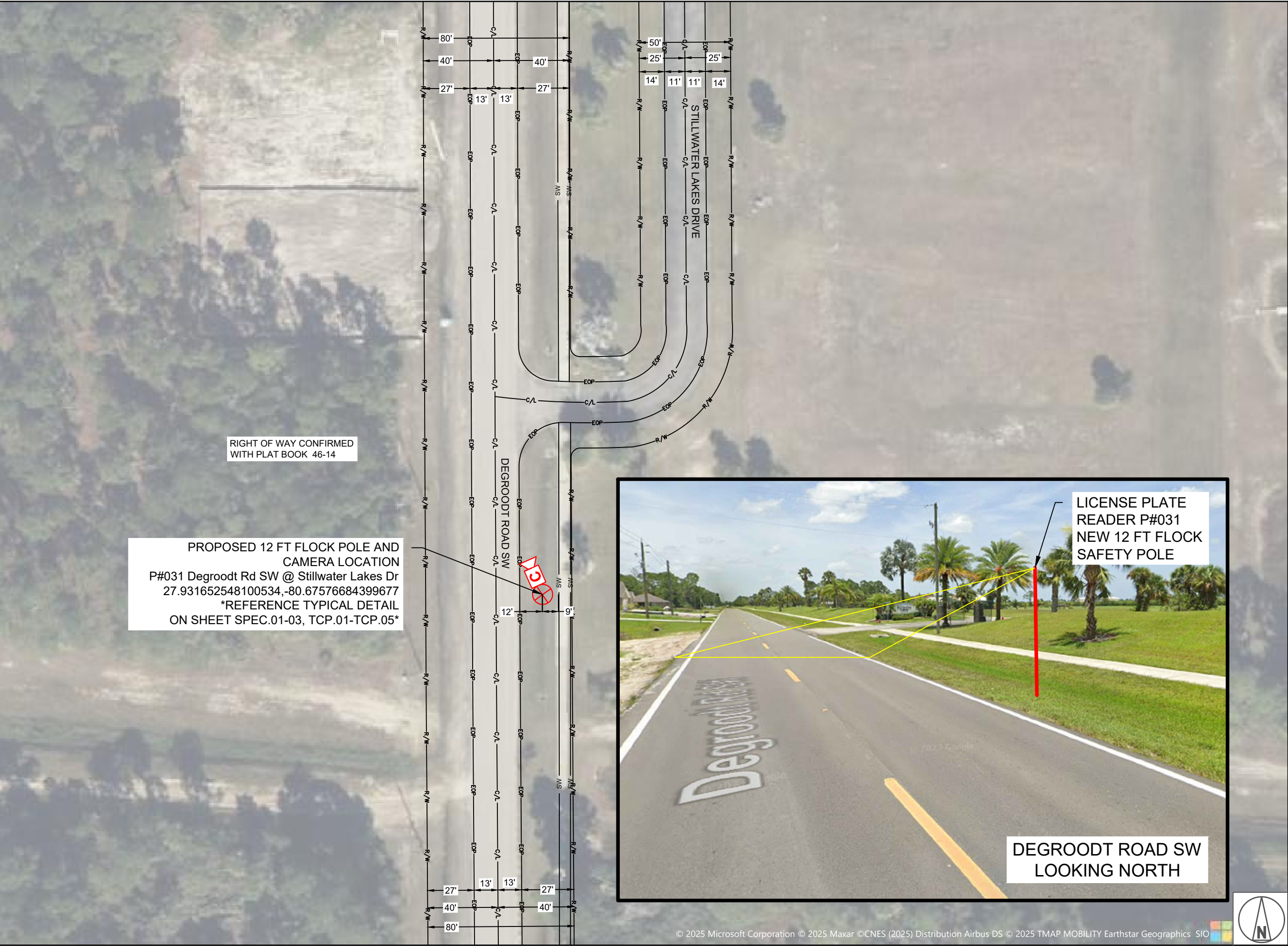


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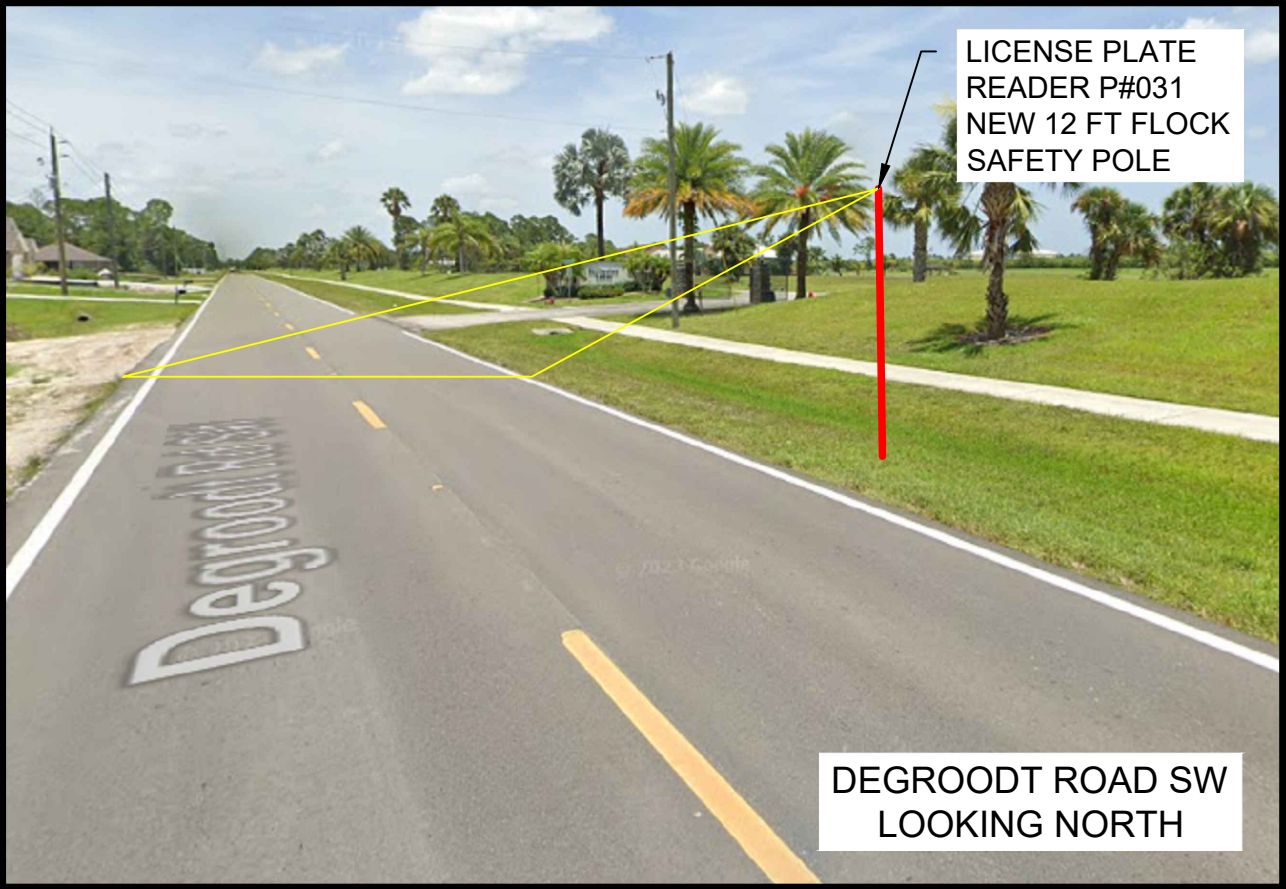
989715

SHEET 16



RIGHT OF WAY CONFIRMED
WITH PLAT BOOK 46-14

PROPOSED 12 FT FLOCK POLE AND
CAMERA LOCATION
P#031 Degroodt Rd SW @ Stillwater Lakes Dr
27.931652548100534,-80.67576684399677
*REFERENCE TYPICAL DETAIL
ON SHEET SPEC.01-03, TCP.01-TCP.05*



DEGROODT ROAD SW
LOOKING NORTH

1 INCH = 50 FEET

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SHEET 17





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SHEET 18



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 SPECIFICATIONSFOR STRUCTURAL SUPPORT FOR HIGHWAY SIGNS, LUMIN, TRAFFIC SIGNALS, 2015 EDITION.
2. POLE ANALYSIS AND FOUNDATION DESIGN ARE BASED ON THE FOLLOWINGCRITERIA

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, Ss: 1.000g (MAXIMUM)

2.5.3. SPECTRAL RESPONSE, S1: 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	0.160
125	3.20	0.330	0.160
135 (MAX)	3.70	0.380	0.160

- 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 PROPSED POLE WITH A MINMUM OF 3,000-PSI COMPRESSIVE STRENGTH.

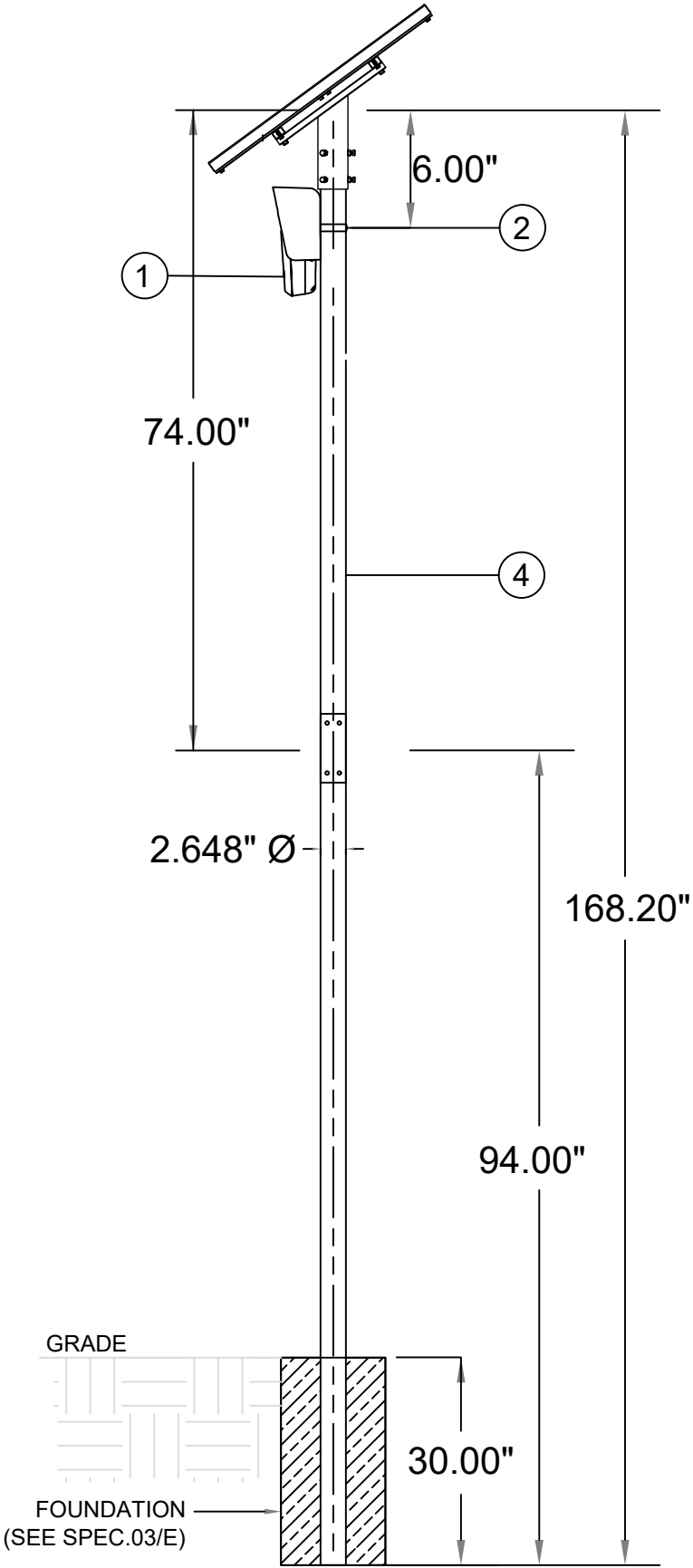
GENERAL & CONSTRUCTION NOTES

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.
4. ALL WORK SHALL CONFORM TO APPLICABLE ELECTRICAL CODES EXCEPT WHEN STATE DEPARTMENT OF TRANSPORTATION OR LOCAL JURISDICTION STANDARDS SUPERSEDE.
5. 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.

ITEM NO.	PART NUMBER	DESCRIPTION	WEIGHT (LB)	QTY.
1	701-0059	FLOCK SAFETY CAMERA	3.6	1
2	201-00087	MOUNTING CLAMP	1.0	1
3	205-00010	60W SOLAR KIT	17.0	1
4	1020-01	STYLE 7 COUPLER ASSEMBLY	168.42	1



1 POLE ELEVATION DETAIL

SCALE: N/A

REVISIONS

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TYPICAL DETAILS

SPEC.01

1

1'-9 1/4"

FRONT

2'-4 3/16"

1'-7 5/16"

1/8"

SIDE

ISOMETRIC

60 WATT SOLAR PANEL DETAIL (TOP MOUNTED)

MOUNTING HARDWARE TO BE PROVIDED BY FLOCK SAFETY

☐ NOT USED

2

5 7/16"

10 15/16"

FRONT

4 11/16"

10 15/16"

SIDE

ISOMETRIC

FLOCK SAFETY "FALCON" CAMERA

MOUNTING HARDWARE TO BE PROVIDED BY FLOCK SAFETY

☐ NOT USED

3

1 1/2" TO 3 1/2"
(38 MM TO 89 MM)

MCMaster-CARR QUICK-RELEASE CLAMP FOR FIRM HOSE AND TUBE,
201 STAINLESS STEEL WITH 410 STAINLESS STEEL SCREW
130 MPH WIND RATING
PART NUMBER: 5322K58

3/8" HEX

9/16"

NOTE: LARGER DIAMETER POLES WILL USE AN EQUIVALENT 201 STAINLESS STEEL STRAPPING CUT TO LENGTH.

MOUNTING CLAMP

☐ NOT USED

4

NOT USED

8

NOT USED

REVISIONS

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TYPICAL DETAILS

SPEC.02

ITEM NO.	DESCRIPTION	QTY.
1	2.5" SCH 40 2.875OD 74.000L	1
2	2.5 SCH 40 2.875OD 94.000L	1
3	BUT TORX 0.250-20 TAMPER-RESISTANT	6
4	INSERT SLEEVE STYLE 7 TAPPED	1
5	ORING	1
6	WASHER	6
7	CONCRETE FOOTING	1
8	HBOLT 0.2500-20	1

PROVELI STYLE 7 COUPLER ASSEMBLY

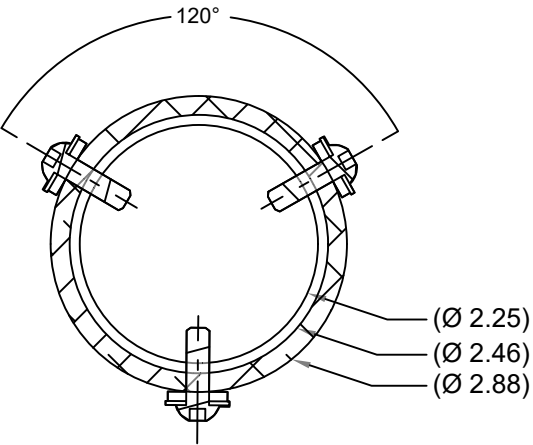
PART #: 1020-01

MATERIAL: VARIES

WEIGHT: 168.42 LBS

DATE: 09/27/2023

DO NOT SCALE DRAWINGS (NTS)



SECTION C-C

REVISIONS

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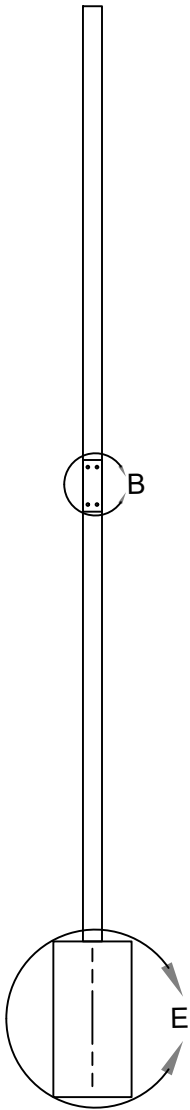
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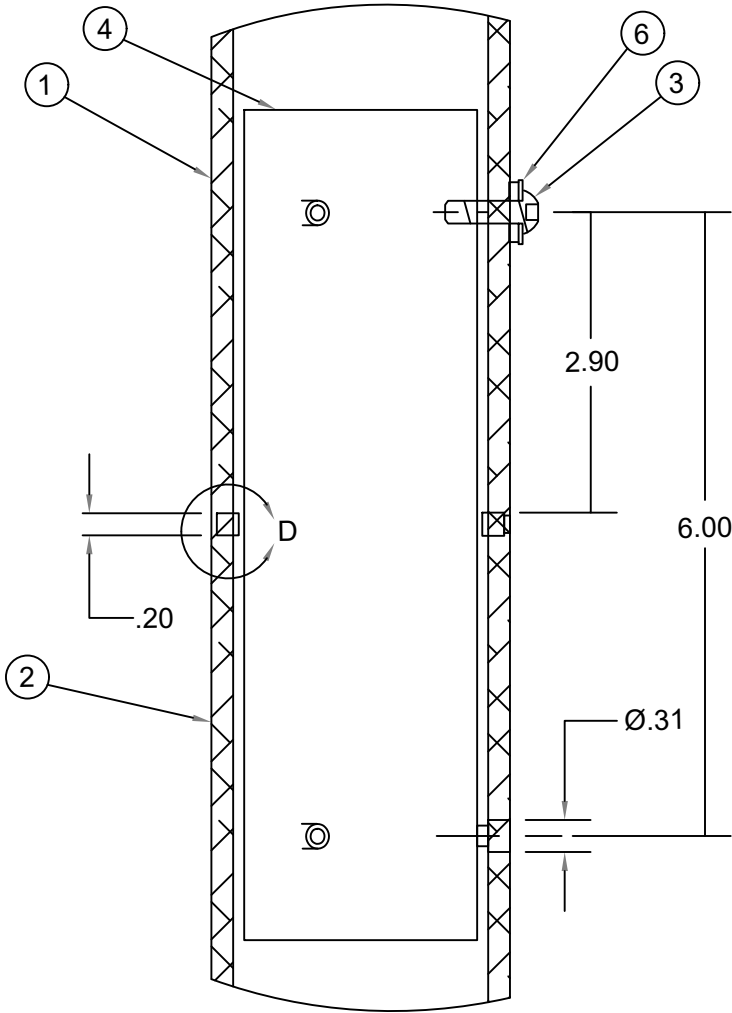
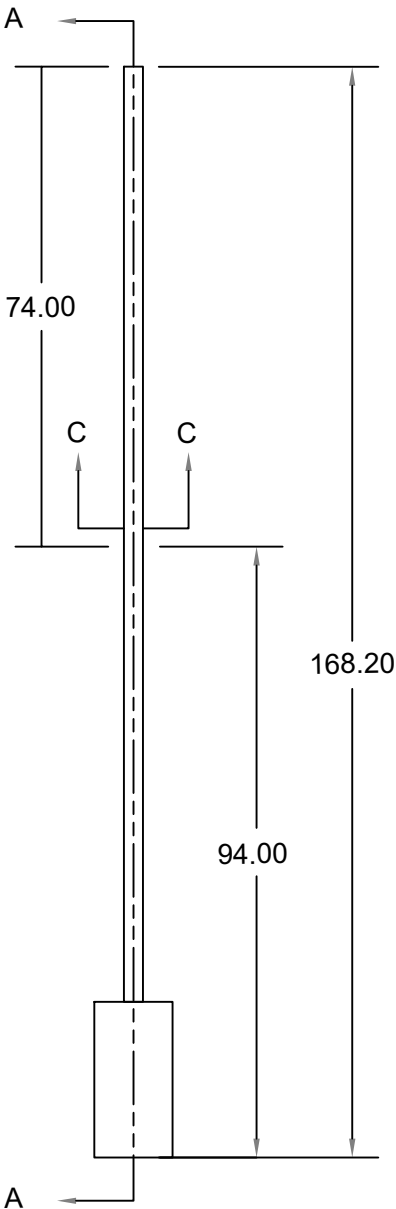
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TYPICAL DETAILS

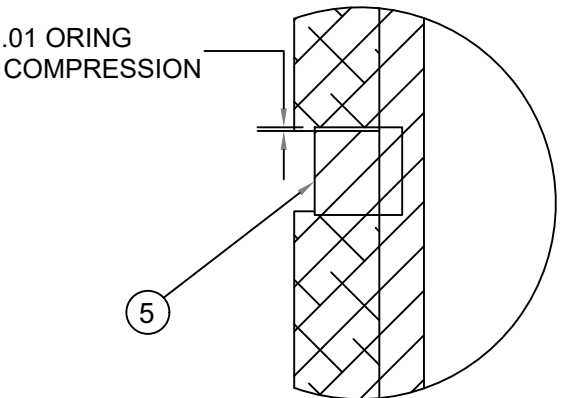
SPEC.03



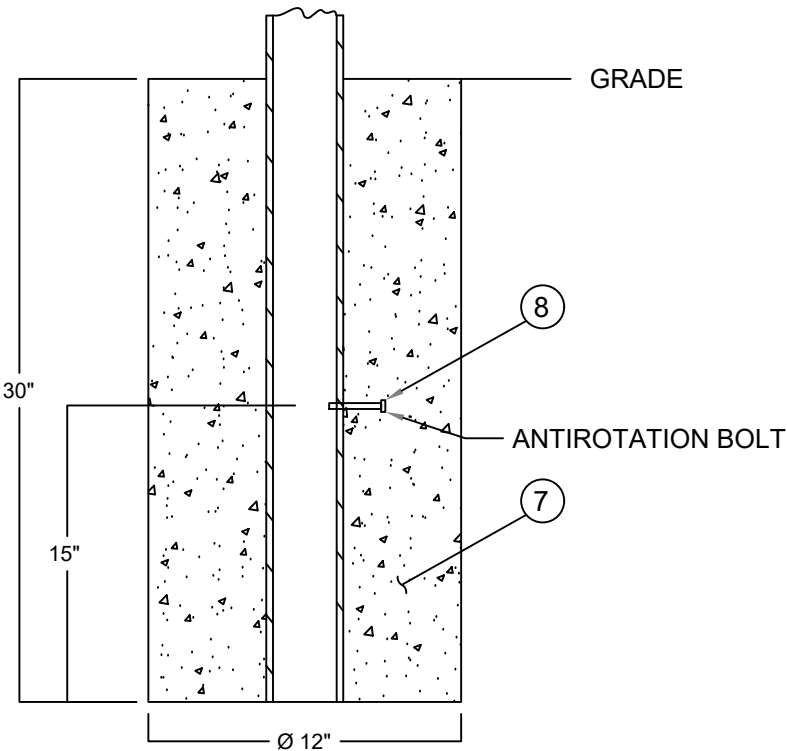
SECTION A-A



DETAIL B



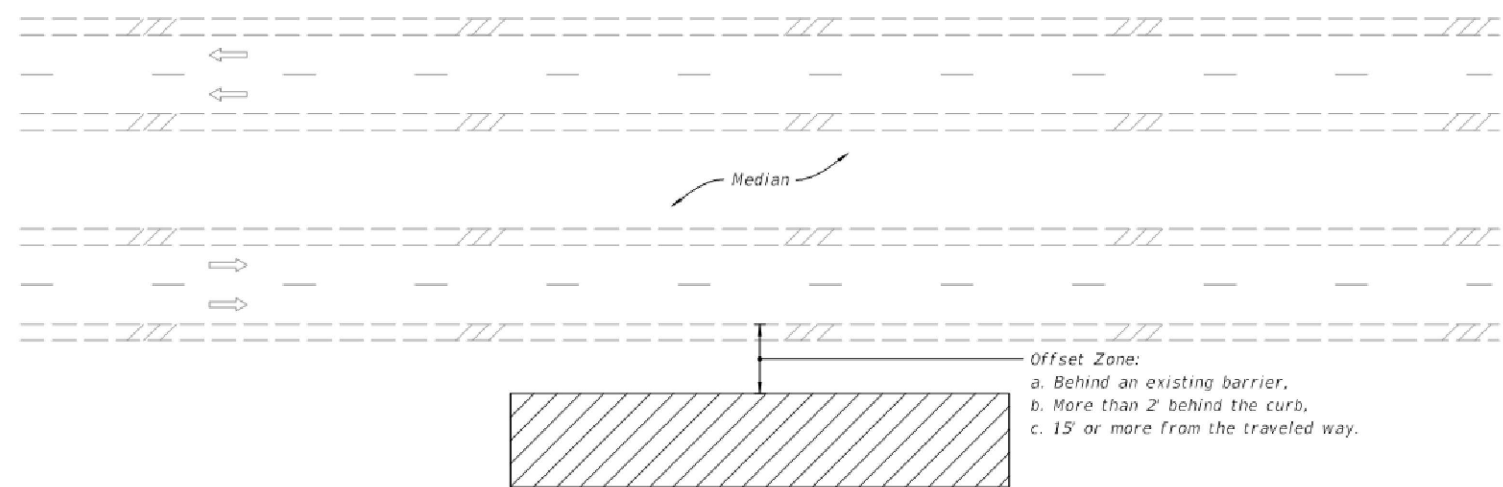
DETAIL D



DETAIL E

NOTE: CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.

9/28/2023 8:20:33 AM



MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR

NOTES:

- 1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.
- 2. Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.
- 3. Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS:

- Work Area
- Lane Identification and Direction of Traffic

LAST REVISION 11/01/20	DESCRIPTION:	FY 2024-25 STANDARD PLANS	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	INDEX 102-601	SHEET 1 of 1
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DATE	REV	DESCRIPTION

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TYPICAL DETAILS

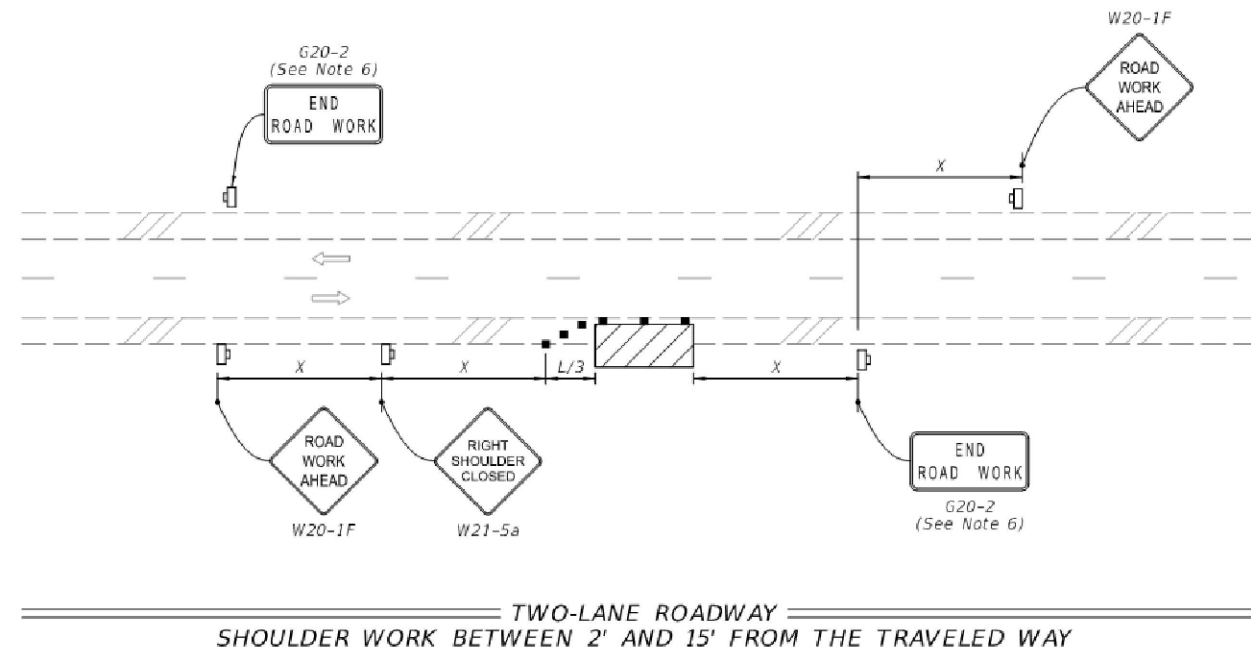
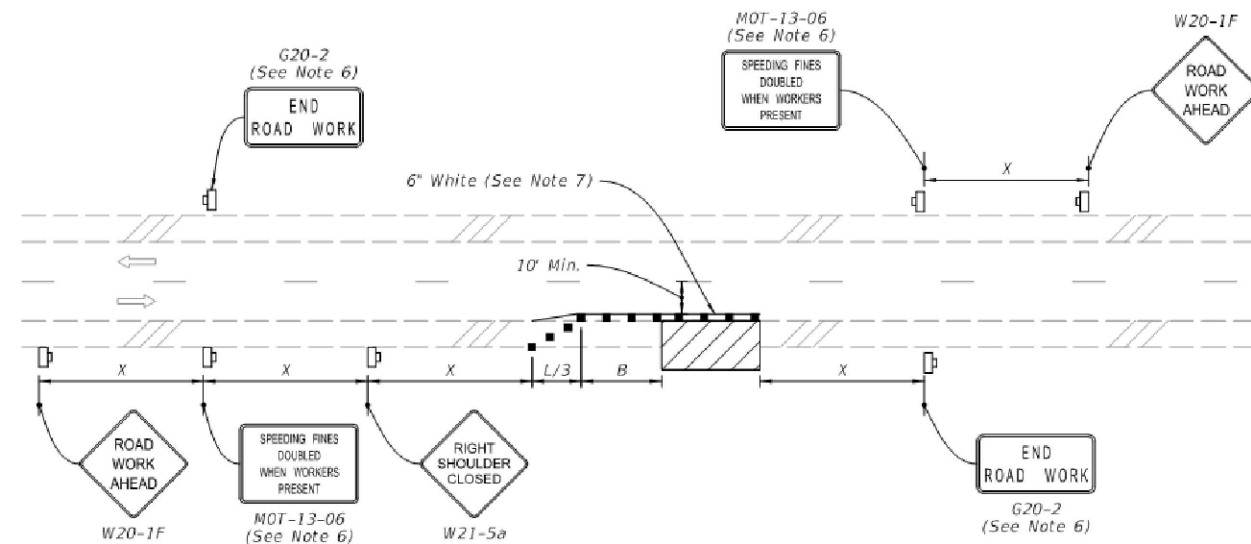
TCP.01

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.
2. L = Taper Length
X = Work Zone Sign Spacing
B = Buffer Length
See Index 102-600 for "L", "X", "B", and channelizing device spacing values.
3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.
4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.
5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.
6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

-  Work Area
-  Channelizing Device (See Index 102-600)
-  Work Zone Sign
-  Lane Identification and Direction of Traffic



REVISIONS

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TYPICAL DETAILS

TCP.02

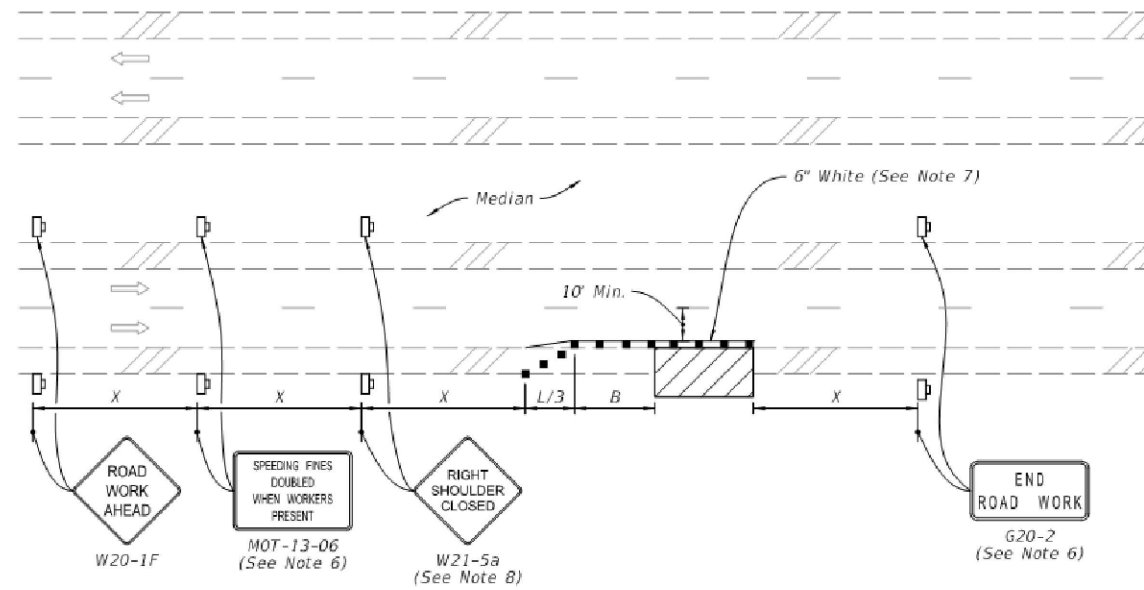
9/28/2023 8:21:16 AM

LAST REVISION	DESCRIPTION:	FDOT	FY 2024-25 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX	SHEET
11/01/21					102-602	1 of 2

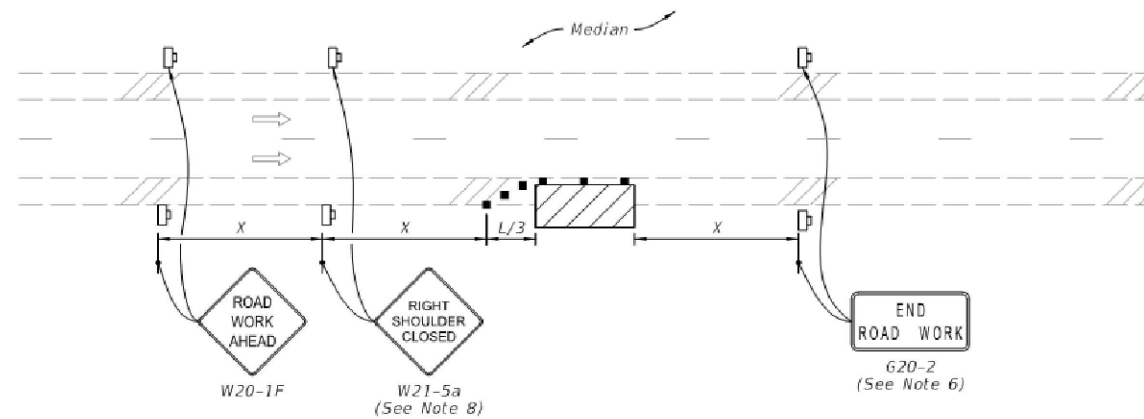
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SYMBOLS:

-  Work Area
-  Channelizing Device (See Index 102-600)
-  Work Zone Sign
-  Lane Identification and Direction of Traffic



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

LAST REVISION	DESCRIPTION:	FDOT	FY 2024-25 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX	SHEET
11/01/20					102-602	2 of 2

REVISIONS

DATE	REV	DESCRIPTION

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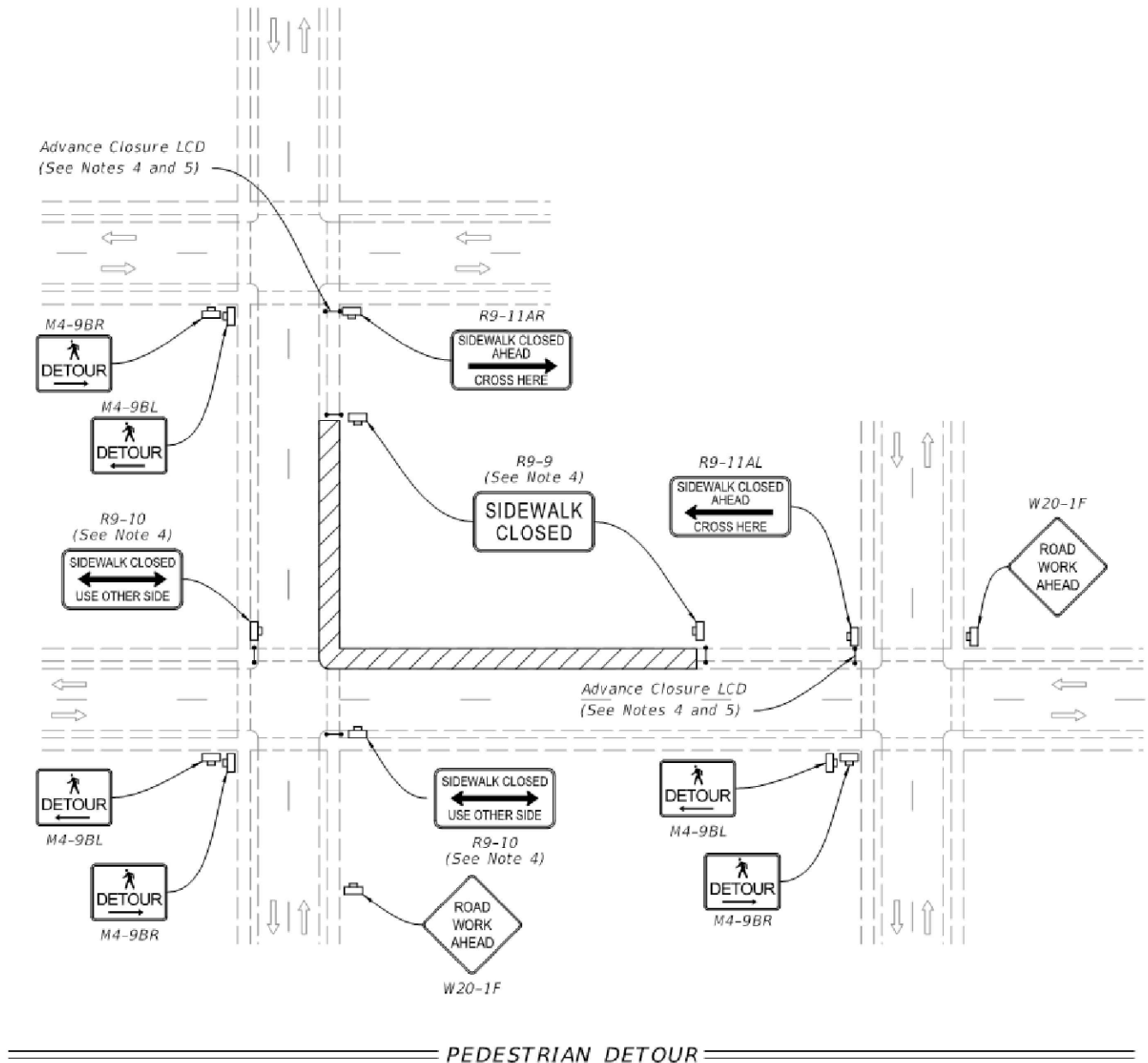
EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY AND BASED ON AVAILABLE RECORDS AND FIELD OBSERVATIONS. CONTRACTOR IS RESPONSIBLE FOR CALLING 811 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND ANY DAMAGE TO THE UTILITIES SHALL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

TYPICAL DETAILS

TCP.03

- NOTES:**
- 1. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.
 - 2. Place pedestrian LCDs across the full width of the closed sidewalk.
 - 3. For post mounted signs located near or adjacent to a sidewalk, maintain a minimum 7' clearance from the bottom of the sign panel to the surface of the sidewalk.
 - 4. "Sidewalk Closed" signs (R9-XX) may be mounted on pedestrian LCDs in accordance with the manufacturer's instructions.
 - 5. Omit the Advance Closure LCD if it blocks access to other pedestrian facilities (e.g., transit stops, residences, or business entrances).

- SYMBOLS:**
- Work Area
 - Work Zone Sign
 - Pedestrian Longitudinal Channelizing Device (LCD)
 - Lane Identification and Direction of Traffic



REVISIONS		
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LAST REVISION	REVISION	DESCRIPTION:	FY 2024-25 STANDARD PLANS	SIDEWALK CLOSURE	INDEX 102-660	SHEET 1 of 2

TYPICAL DETAILS

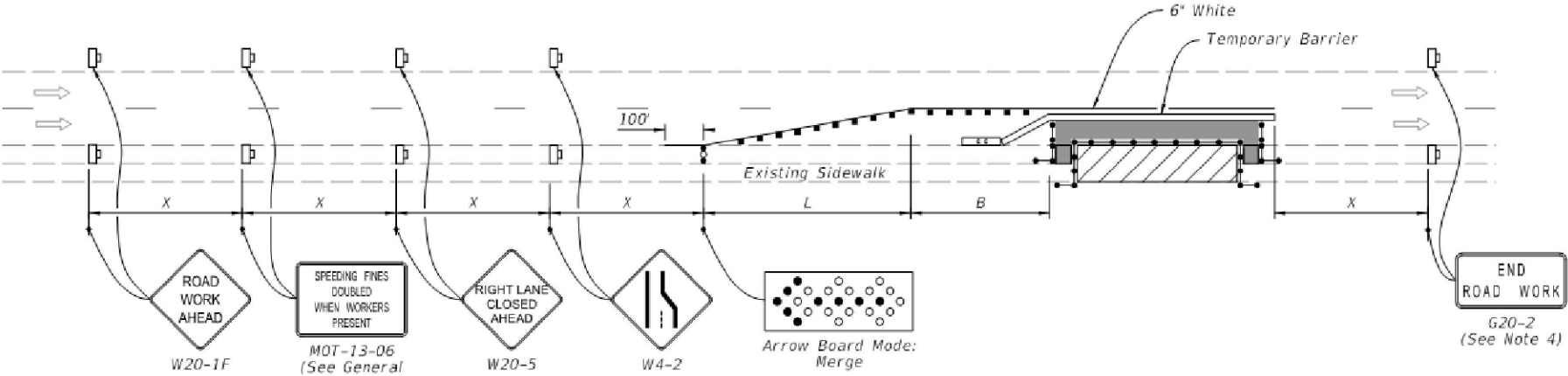
TCP.04

NOTES:

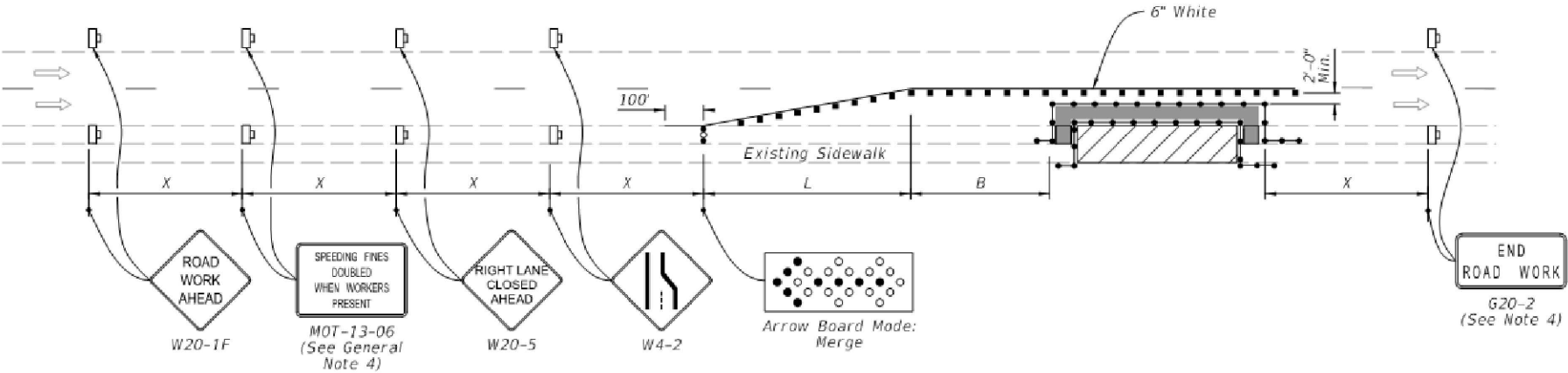
1. L = Taper Length
B = Buffer Length
X = Work Zone Sign Distance
See Index 102-600 for "L", "B", "X", channelizing device spacing values.
2. Provide a 5' wide temporary pedestrian way with a maximum cross-slope of 0.02, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary pedestrian ways less than 5' in width at intervals not to exceed 200'.
3. When temporary pedestrian ways require curb ramps, meet the requirements of Index 522-002. Detectable warnings are not required for curb ramps diverting pedestrian traffic into a closed lane.
4. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign distances, may be omitted when the work operation will be in place for 24 hours or less.
5. Pedestrian Diversion Option 2 may only be used when called for in the Plans or as approved by an Engineer.

SYMBOLS:

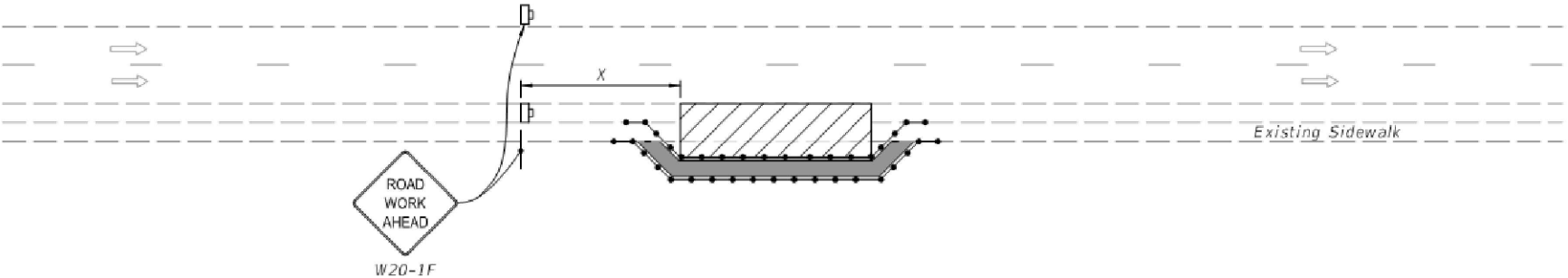
-  Work Area
-  Temporary Pedestrian Way
-  Channelizing Device (See Index 102-600)
-  Pedestrian Longitudinal Channelizing Device (LCD)
-  Work Zone Sign
-  Arrow Board
-  Crash Cushion
-  Lane Identification and Direction of Traffic



PEDESTRIAN DIVERSION - OPTION 1
(Temporary Barrier Shown, Low Profile Barrier Similar)



PEDESTRIAN DIVERSION - OPTION 2
(Work Zone Speed 45 mph or Less)



PEDESTRIAN SPECIAL DETOUR

REVISIONS

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TYPICAL DETAILS

TCP.05

LAST REVISION 11/01/23

DESCRIPTION:



FY 2024-25
STANDARD PLANS

SIDEWALK CLOSURE

INDEX
102-660

SHEET
2 of 2