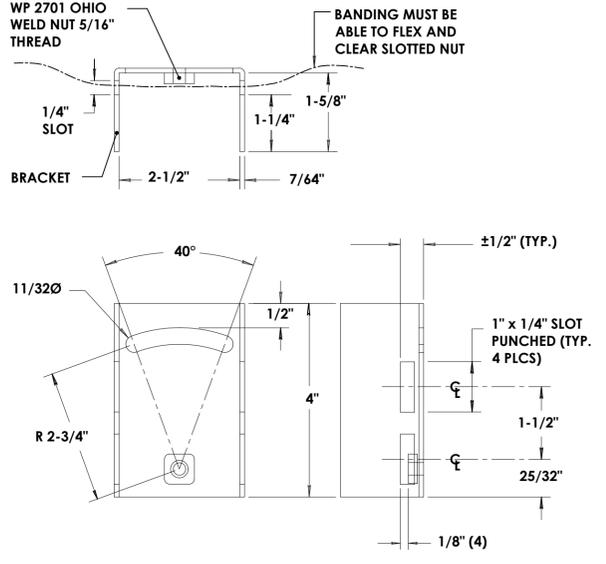


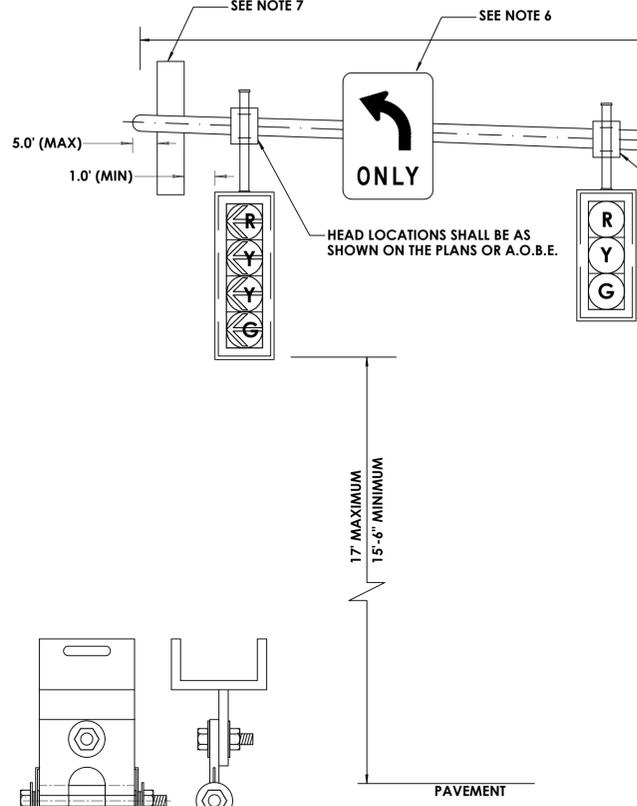
RIGID SIGNAL HEAD MOUNTING
MCDOT DETAIL

- RIGID SIGNAL HEAD MOUNTING NOTES:**
1. TOP OF SIGNAL HEAD ATTACHMENT POINT TO BE SEALED WITH U.V. RESISTANT SILICONE TO PREVENT WEATHER INTRUSION.
 2. HOLE IN MAST ARM TO HAVE RUBBER BUSHING TO PREVENT CABLE CHAFFING.
 3. DRIP LOOP REQUIRED IN CABLE BETWEEN MAST ARM AND SIGNAL HEAD.
 4. CABLE CLAMP AND ASSOCIATED HARDWARE TO BE TORQUED PER MANUFACTURER SPECIFICATIONS.
 5. CORD CONNECTOR OR STRAIN RELIEF REQUIRED WHERE CABLE ENTERS THE SIGNAL HEAD



MAST ARM SIGN BRACKET - SHORT
MCDOT DETAIL

- NOTES:**
1. BRACKET TO BE Banded TO THE MAST ARM WITH STAINLESS STEEL BANDING MATERIAL. (3/4" WIDE x .020 GAUGE)
 2. BRACKETS SHALL BE 12 GAUGE GALVANIZED STEEL
 3. SHORT BRACKET FOR STREET NAME SIGNS (USE 2 BRACKETS FOR SIGNS UP TO 4' LONG. USE 3 BRACKETS (min) FOR 4' OR LONGER. USE SLOTS FOR BRACKETS AN ENDS TO ENSURE SIGN IS LEVEL.)

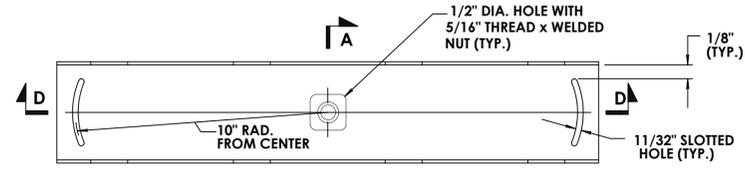


DYNAMIC SIGN MOUNT
MCDOT DETAIL - REV. 9/12/2025

- NOTES:**
- A. DYNA ENGINEERING PRODUCT 7-OM-F-2.5. DISTRIBUTED BY TAPCO

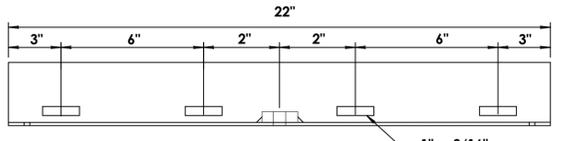
SIGNAL POLE NOTES:

1. POLES SHALL BE ADJUSTED BY USE OF THE LEVELING NUTS ON THE ANCHOR BOLTS SO THAT THEY ARE VERTICAL WHEN ALL SIGNAL HEADS AND SIGNS ARE INSTALLED.
2. ANCHOR BOLTS - MAX ONE ANCHOR BOLT DIAMETER AND MIN. 2 EXPOSED THREADS.
3. POLES SHALL BE LOCATED NO CLOSER TO THE ROADWAY OR CURB THAN THE LINE OF FIXED OBJECTS IN THE IMMEDIATE AREA AND IN NO CASE LESS THAN 3' FROM THE ROADWAY OR CURB.
4. BEARING SURFACE OF HOLE SHALL BE UNDISTURBED GROUND OR COMPACTED SOIL. IF A FORM IS REQUIRED OR PRECAST BASE IS USED, IT SHALL BE AS A.O.B.E.. POLE FOUNDATION MAY BE REQUIRED TO BE NARROWED AND DEEPENED TO AVOID EXISTING UTILITIES IN SPECIFIC LOCATIONS. ALLOWANCE FOR ANY ADJUSTMENT NECESSARY TO BE INCLUDED IN PRICE BID FOR POLE FOUNDATION.
5. LANE DESIGNATION SIGNS SHALL BE CENTERED ON THE TRAVEL LANES.
6. THE 4-SECTION HEADS WITH FLASHING YELLOW ARROWS (IF PRESENT) SHALL BE LOCATED TO THE LEFT OF THE " LEFT TURN ONLY " SIGN.
7. ANY MAST ARMS LONGER THAN 40' WILL REQUIRE A NYSOT-APPROVED VIBRATION MITIGATION DEVICE TO BE INSTALLED (COST TO BE INCLUDED IN PRICE BID FOR THE MAST ARM) AS DEPICTED.
8. ALL MAST POLE AND ARM COVERS AND BASE MESH TO BE INSTALLED WITHIN 24 HOURS OF INSTALLATION AND MAINTAINED.

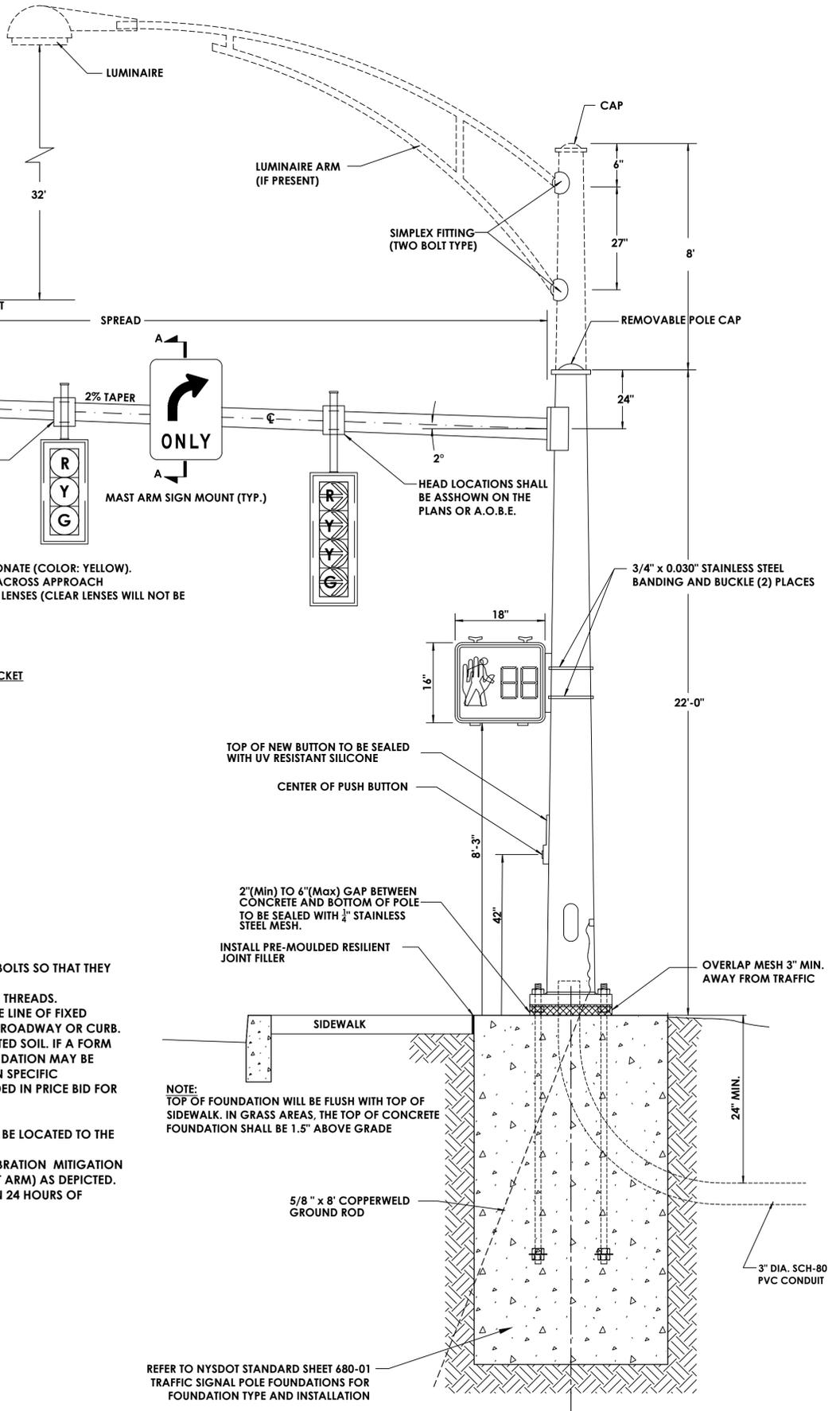


MAST ARM SIGN BRACKET-LONG
MCDOT DETAIL

- NOTES:**
1. BRACKET TO BE Banded TO THE MAST ARM WITH STAINLESS STEEL BANDING MATERIAL. (3/4" WIDE x 0.015" THICK)
 2. BRACKET SHALL BE 12 GAUGE GALVANIZED STEEL
 3. LONG BRACKET FOR LARGE SIGN (USE 4 BANDS PER BRACKET)



SECTION D - D

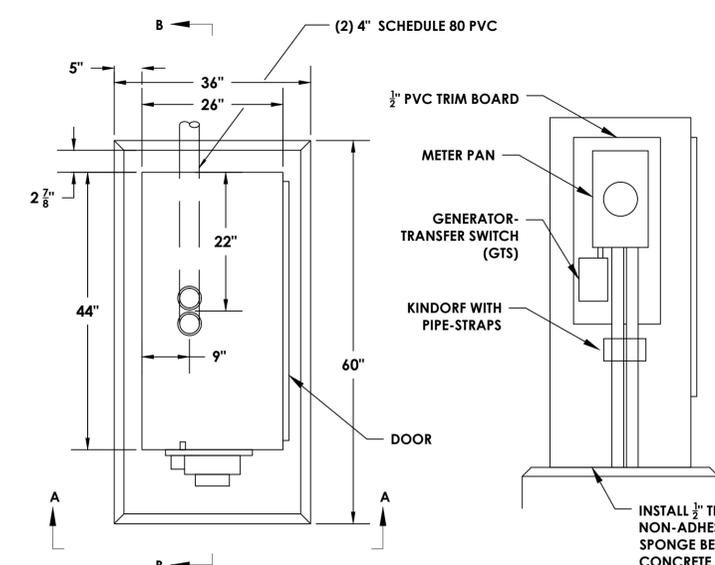
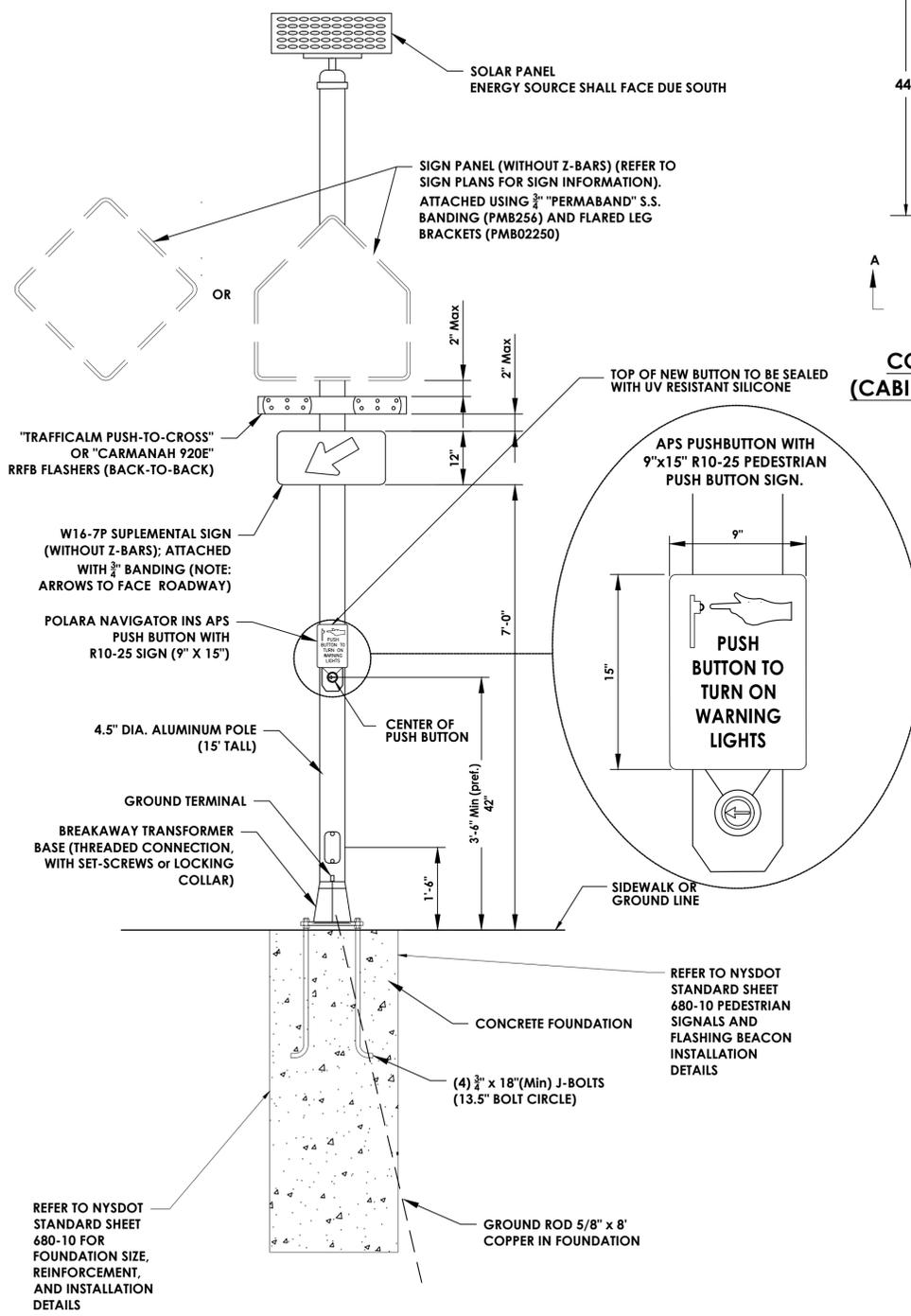


SIGNAL POLE INSTALLATION MAST ARM
MCDOT DETAIL - REV. 09/23/2025

NOTE: TOP OF FOUNDATION WILL BE FLUSH WITH TOP OF SIDEWALK. IN GRASS AREAS, THE TOP OF CONCRETE FOUNDATION SHALL BE 1.5" ABOVE GRADE

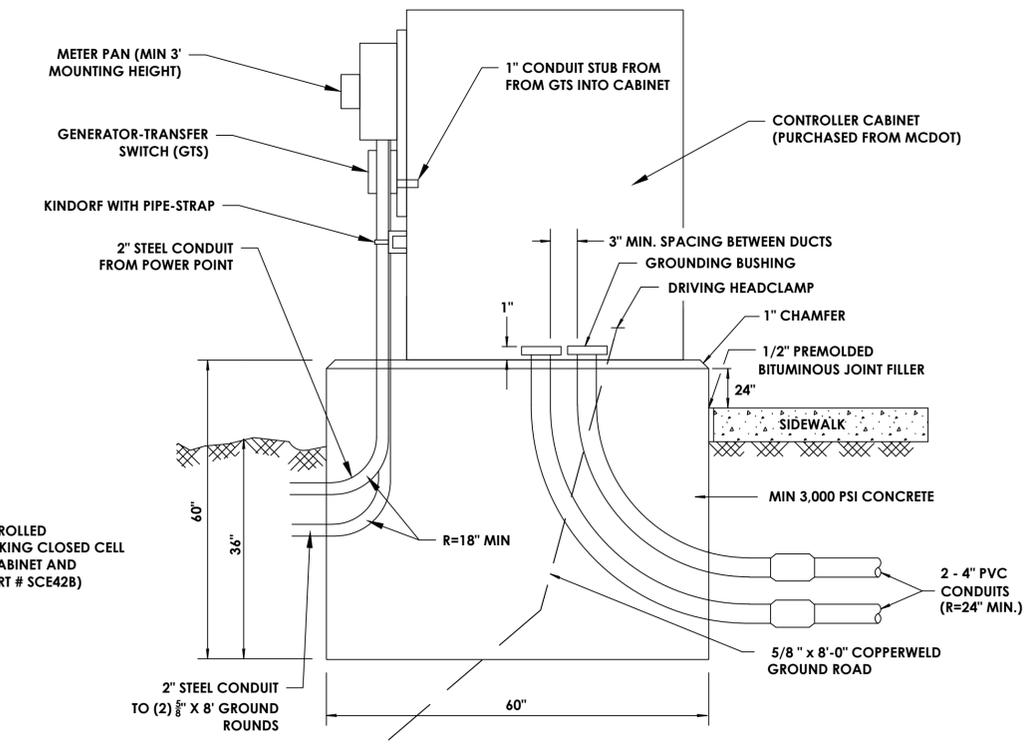
REFER TO NYSOT STANDARD SHEET 680-01 TRAFFIC SIGNAL POLE FOUNDATIONS FOR FOUNDATION TYPE AND INSTALLATION

CONSULTANT		DEPARTMENT OF TRANSPORTATION	
Consultant Address: Rochester, New York XXXX (585) 867-5309 Fax: (585) 867-5309		50 WEST MAIN STREET, SUITE 6100 ROCHESTER, NEW YORK 14614-1231 UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145, SECTION 7209	
PROJECT MANAGER:	MANAGER	COUNTY ROAD #	
DRAWN BY:	DRAFTER	PROJECT NAME	
NO. DATE BY:		PROJECT LIMITS	
		TOWN	
		CAPITAL PROJECT NO.	XXXX-XX
TRAFFIC SIGNALS			
SCALE: NOT TO SCALE			
DATE ISSUED: DATE			
DRAWING NO. 1 OF X			



CONCRETE CONTROLLER BASE (CABINET, METER, AND DISCONNECT)
MCDOT DETAIL - REV. 7/15/2024

VIEW A-A

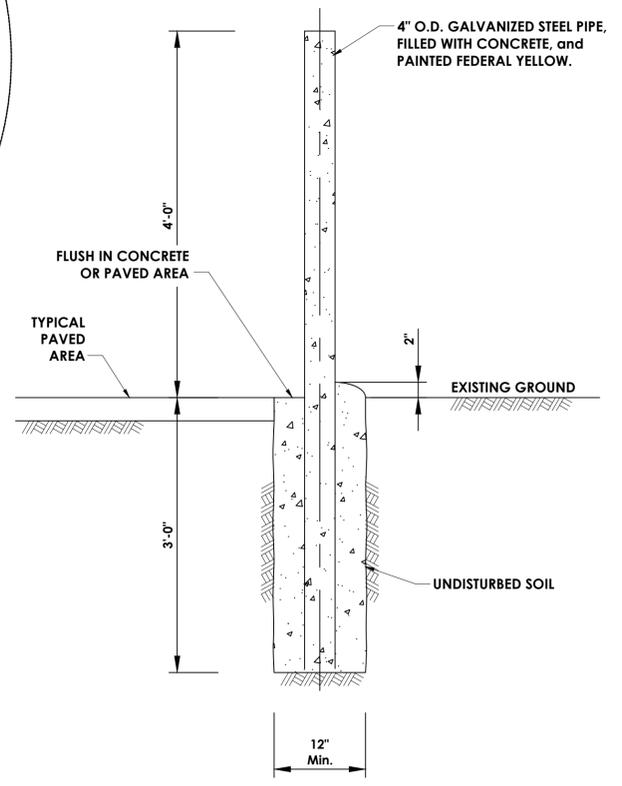


NOTES:

- IN UNPAVED AREAS A MIN. 5' X 5' X 4" CONCRETE WORK PAD SHALL BE PLACED IN FRONT OF THE CABINET DOOR. (COST TO BE INCLUDED IN ITEM 680.5002)
- CONCRETE EXPANSION JOINT MATERIAL (1/2" X 4" (MIN)) SHALL BE PLACED BETWEEN THE WORK PAD AND THE CABINET BASE.
- TWO 5/8" X 10' COPPERCLAD GROUND RODS AS REQUIRED FOR GROUNDING SYSTEM GROUND RODS TO BE INSTALLED 6' FROM METER AND 10' FROM APART (FACING DOOR OF CABINET).

VIEW B-B

MCDOT DETAIL - REV. 2/27/2026



NOTES:

- BOLLARDS SHALL BE A MIN 12" AWAY FROM TRAFFIC SIGNAL CABINET.
- CONSULT MCDOT FOR FINAL FIELD PLACEMENT

STEEL BOLLARD
MCDOT DETAILS - REV. 6/10/2024

MCDOT STANDARD FOR INTERSECTION and COMMUNICATION WIRING

MCDOT DISCONNECT WIRING GUIDE FOR SPAN WIRE INTERSECTIONS		
Terminal Number	Conductor Color	Indication Type
1	BLACK	Left Turn Green
2	BLUE	Left Turn Yellow
3	GREEN	Green Ball
4	ORANGE	Yellow Ball
5	RED	Red Ball
6	BLACK/WHITE	Left Turn Green
7	BLUE/BLACK	Left Turn Yellow
8	GREEN/BLACK	Green Ball
9	ORANGE/BLACK	Yellow Ball
10	RED/BLACK	Red Ball
11	BLACK/RED	Left Turn Green
12	BLUE/WHITE	Left Turn Yellow
13	GREEN/WHITE	Green Ball
14	ORANGE/RED	Yellow Ball
15	RED/WHITE	Red Ball
16	WHITE/RED	Neutral
17	WHITE/BLACK	Neutral
18	WHITE	Neutral

ANY REMAINING CONDUCTORS ARE SPARES

MCDOT WIRING GUIDE FOR MAST ARM INTERSECTIONS	
Conductor Color	Indication Type
RED	Red Ball
ORANGE	Yellow Ball
GREEN	Green Ball
BLACK	Green Left Turn
BLUE	Yellow Left Turn
WHITE	Neutral

ANY REMAINING CONDUCTORS ARE SPARES

MCDOT WIRING GUIDE FOR PEDESTRIAN INDICATORS and PUSH BUTTONS	
Conductor Color	Indication Type
RED	Don't Walk
GREEN	Walk
WHITE	PED Enclosure Neutral
BLACK	Push Button Power
ORANGE	Push Button Neutral

ANY REMAINING CONDUCTORS ARE SPARES

ETHERNET RJ-45 PLUG WIRING GUIDE	
Conductor Color	Pin
WHITE/ORANGE	1
ORANGE	2
WHITE/GREEN	3
BLUE	4
WHITE/BLUE	5
GREEN	6
WHITE/BROWN	7
BROWN	8

Version: (B) ON RJ-45 CRIMPER



NOTE(s): All Spare wires in the "MCDOT DISCONNECT WIRING GUIDE FOR SPAN WIRE INTERSECTIONS" table should be landed to the "DISCONNECT TERMINAL BLOCK". All Spare wires in the "MCDOT WIRING GUIDE FOR MAST ARM INTERSECTIONS" table should be taped up with electrical tape and identified as "SPARE". All Spare wires in the "MCDOT WIRING GUIDE FOR PEDESTRIAN INDICATORS and PUSH BUTTONS" table should be taped up with electrical tape and identified as "SPARE". When making up an RJ-45 ethernet plug work from "Left to Right" with the plug clip facing away from you, this will place "Pin 1" on the left side of the RJ-45 ethernet plug.

NO.	DATE	BY:	REVISION

CONSULTANT
Address: (585) 867-5309
Rochester, New York XXXX
Fax: (585) 867-5309

PROJECT MANAGER: MANAGER
DRAWN BY: DRAFTER

DEPARTMENT OF TRANSPORTATION
50 WEST MAIN STREET, SUITE 6100
ROCHESTER, NEW YORK 14614-1231
UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145, SECTION 7209

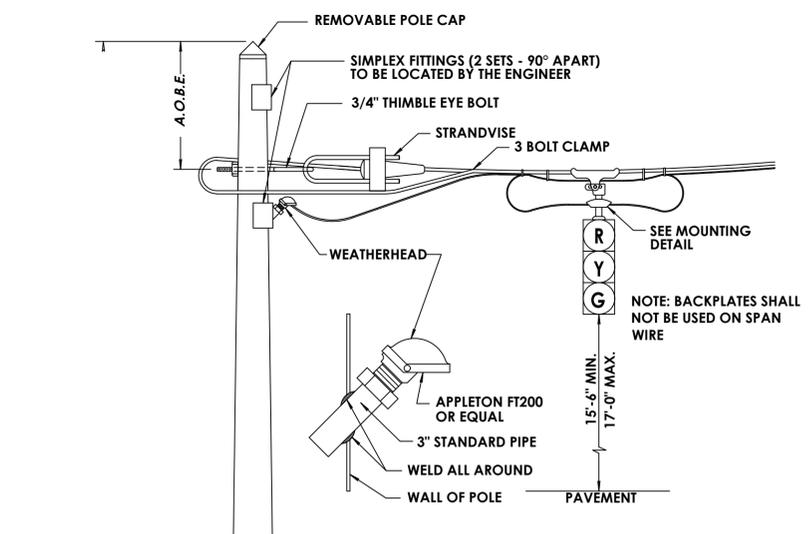
COUNTY ROAD #

PROJECT NAME: TOWN PROJECT NO. XXXX-XX

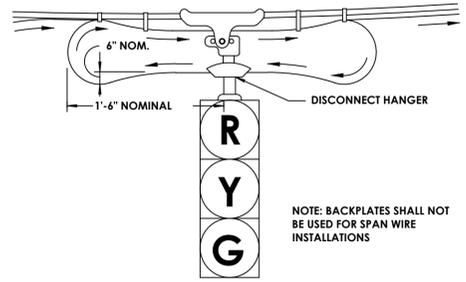
PROJECT LIMITS: TOWN

TRAFFIC SIGNALS

SCALE: NOT TO SCALE
DATE ISSUED: DATE
DRAWING NO. 3 OF X



SIGNAL POLE INSTALLATION (STRAIN POLE)
MCDOT DETAIL - REV. 9/18/2025



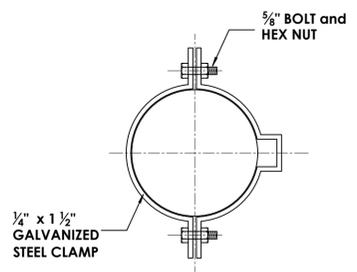
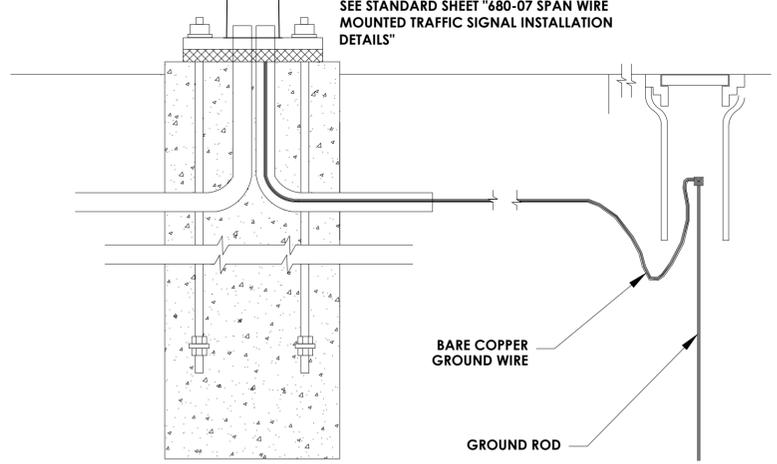
DISCONNECT HANGER SPAN WIRE MOUNTING

- NOTES:**
1. TOP OF SIGNAL HEAD ATTACHMENT POINT TO BE SEALED WITH SILICONE TO PREVENT WEATHER INTRUSION.
 2. CORD CONNECTOR OR STRAIN RELIEF REQUIRED WHERE CABLE ENTERS THE DISCONNECT HANGER.
 3. DRIP LOOP TO BE SECURED TO OVERHEAD CABLE WITH ELECTRICAL TAPE TO PREVENT MOVEMENT DURING WEATHER.

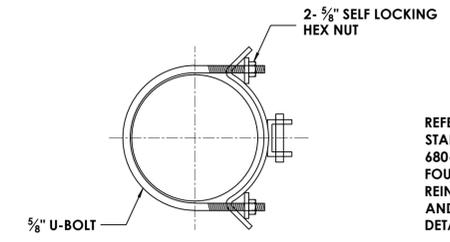
ROUND OR MULTI-SIDED STEEL POLE WITH CONTINUOUS TAPER 0.14"/FT.
NOTE: SEE STANDARD SHEET "680-01 TRAFFIC SIGNAL POLE FOUNDATIONS" FOR FOUNDATION AND ANCHOR BOLT DETAIL

SEE STANDARD SHEET "680-04 PULLBOX, CONDUIT AND GROUND ROD INSTALLATION DETAILS" FOR GROUNDING DETAILS

SEE STANDARD SHEET "680-07 SPAN WIRE MOUNTED TRAFFIC SIGNAL INSTALLATION DETAILS"



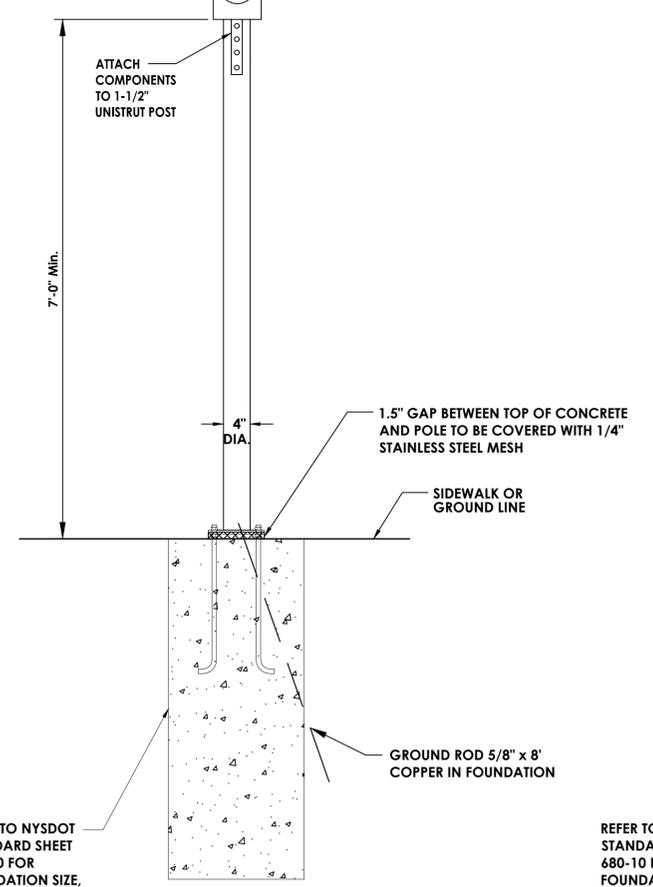
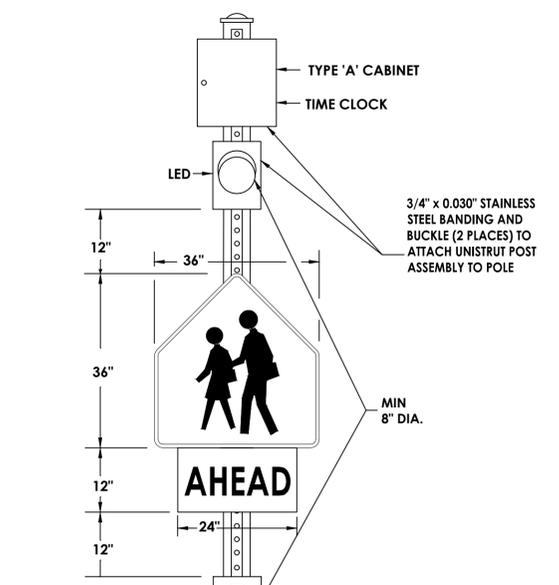
SPLIT CLAMP
N.T.S.



U-BOLT CLAMP
N.T.S.

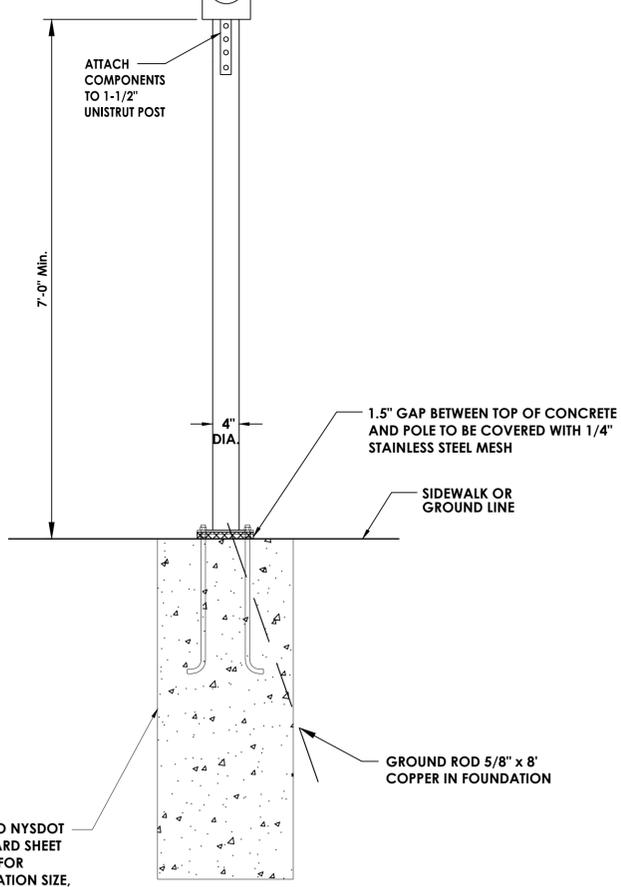
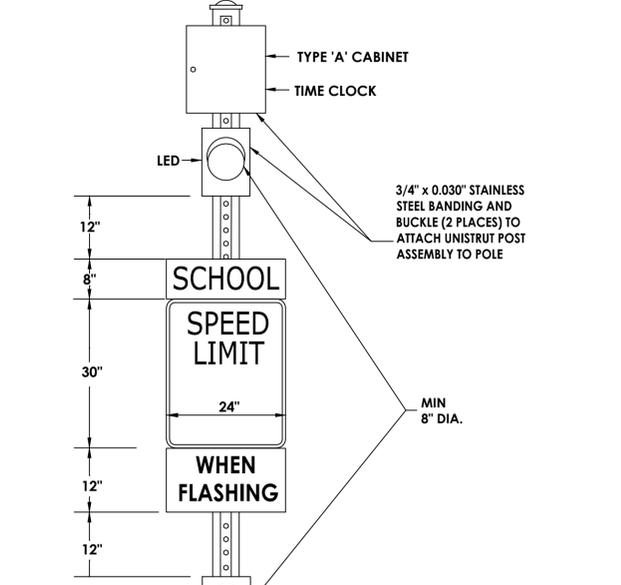
SIGNAL POLE NOTES:

1. POLES SHALL BE ADJUSTED BY USE OF THE LEVELING NUTS ON THE ANCHOR BOLTS SO THAT THEY ARE VERTICAL WHEN ALL SIGNAL HEADS AND SIGNS ARE INSTALLED.
2. ANCHOR BOLTS - MAX ONE ANCHOR BOLT DIAMETER AND MIN. 2 EXPOSED THREADS.
3. POLES SHALL BE LOCATED NO CLOSER TO THE ROADWAY OR CURB THAN THE LINE OF FIXED OBJECTS IN THE IMMEDIATE AREA AND IN NO CASE LESS THAN 3' FROM THE ROADWAY OR CURB.
4. BEARING SURFACE OF HOLE SHALL BE UNDISTURBED GROUND OR COMPACTED SOIL. IF A FORM IS REQUIRED OR PRECAST BASE IS USED, IT SHALL BE AS A.O.B.E.. POLE FOUNDATION MAY BE REQUIRED TO BE NARROWED AND DEEPENED TO AVOID EXISTING UTILITIES IN SPECIFIC LOCATIONS. ALLOWANCE FOR ANY ADJUSTMENT NECESSARY TO BE INCLUDED IN PRICE BID FOR POLE FOUNDATION.
5. LANE DESIGNATION SIGNS SHALL BE CENTERED ON THE TRAVEL LANES.
6. THE 4-SECTION HEADS WITH FLASHING YELLOW ARROWS (IF PRESENT) SHALL BE LOCATED TO THE LEFT OF THE " LEFT TURN ONLY " SIGN.
7. ANY MAST ARMS LONGER THAN 40' WILL REQUIRE A NYS DOT-APPROVED VIBRATION MITIGATION DEVICE TO BE INSTALLED (COST TO BE INCLUDED IN PRICE BID FOR THE MAST ARM) AS DEPICTED.
8. ALL MAST POLE AND ARM COVERS AND BASE MESH TO BE INSTALLED WITHIN 24 HOURS OF INSTALLATION AND MAINTAINED.



- NOTES**
A. REFER TO NYS DOT STANDARD SHEET "680-09 FLASHING BEACON INSTALLATION DETAILS".

ADVANCE SCHOOL ZONE WARNING FLASHER CONFIGURATION
MCDOT DETAIL - REV. 9/30/2025



- REFER TO NYS DOT STANDARD SHEET 680-10 FOR FOUNDATION SIZE, REINFORCEMENT, AND INSTALLATION DETAILS

SCHOOL SPEED LIMIT FLASHER CONFIGURATION
MCDOT DETAIL - REV. 9/30/2025

CONSULTANT		PROJECT MANAGER: MANAGER		DRAWN BY: DRAFTER	
Consultant Address: Rochester, New York XXXX		PROJECT NO. XXXX-XX		DATE: XX-XX-XX	
Phone: (585) 867-5309		TOWN: XXXX		CAPITAL PROJECT NO. XXXX-XX	
Fax: (585) 867-5309		COUNTY ROAD #		PROJECT NAME	
DEPARTMENT OF TRANSPORTATION		PROJECT LIMITS		TRAFFIC SIGNALS	
50 WEST MAIN STREET, SUITE 6100		TOWN		SCALE: NOT TO SCALE	
ROCHESTER, NEW YORK 14614-1231		COUNTY		DATE ISSUED: DATE	
UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145, SECTION 7209		PROJECT NO.		DRAWING NO.	
		XXXX-XX		4 OF X	
				NO. DATE BY: REVISION	