

STATE OF WASHINGTON  
WASHINGTON DEPARTMENT OF TRANSPORTATION  
SUBMITTED BY PUYALLUP  
POLICE DEPARTMENT  
  
AUTOMATIC LICENSE PLATE READING  
(ALPR) CAMERA PERMIT



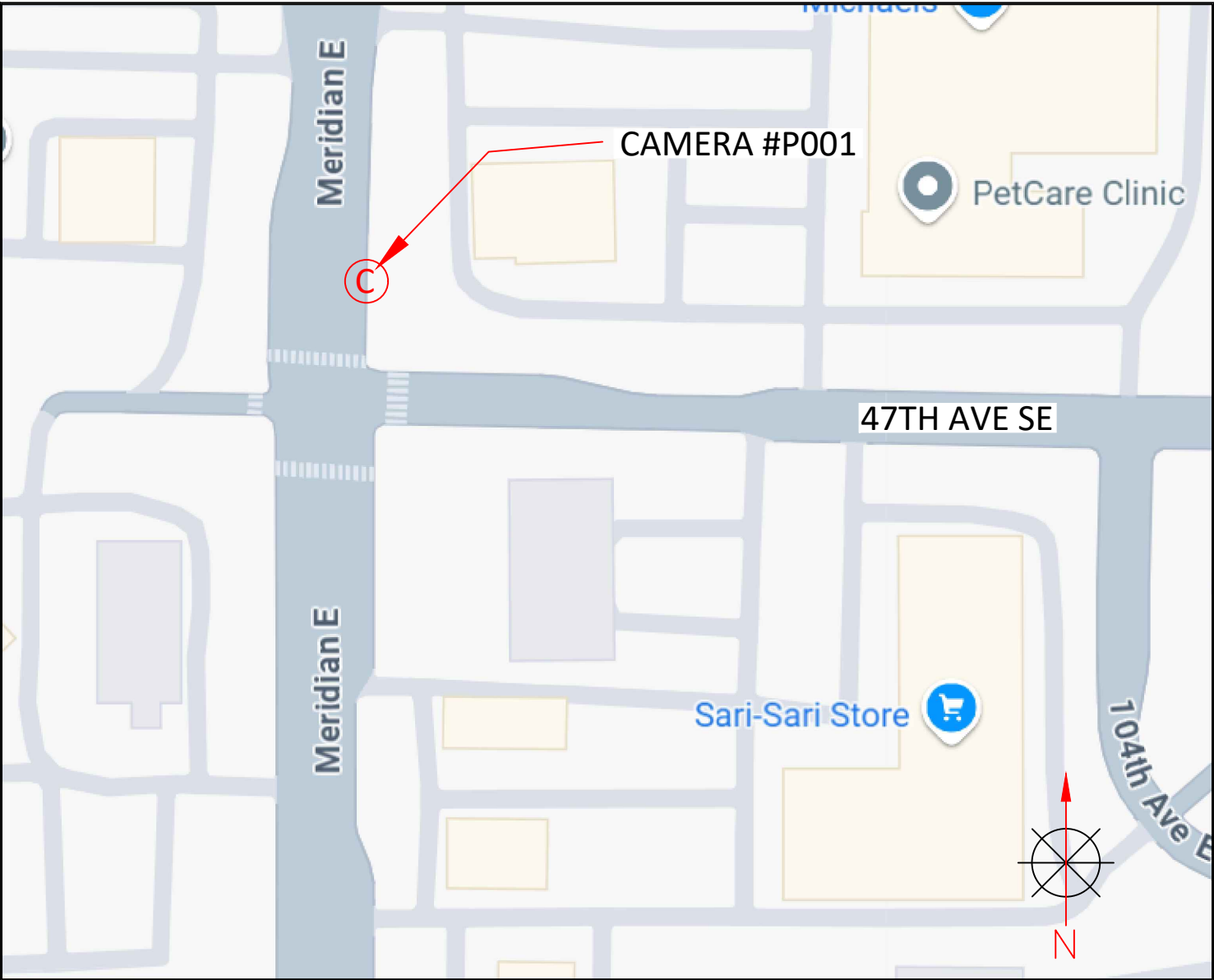
City of Puyallup Development & Permitting Services ISSUED PERMIT			
Building	Planning	Engineering	Public Works
Fire		Traffic	

INDEX OF DRAWING:

- SHEET 1 : COVER SHEET AND CAMERA LOCATION MAP
- SHEET 2 : GENERAL NOTES AND TRAFFIC DESIGN TABLES
- SHEET 3 : CAMERA LOCATION INFORMATION
- SHEET 4 : TRAFFIC CONTROL PLAN
- SHEET 5-7 : POLE DETAILS



LOCATION / VICINITY MAP



<div>flock safety</div>	REV	DESCRIPTION	DATE	BY	TITLE:	<div>COVER SHEET AND CAMERA LOCATION MAP</div>	<div>PLANS PREPARED BY:</div> <div><div><div><div></div></div><div>CHC</div><div>A CONGRUEX COMPANY</div></div><div>PO Box 59028</div><div>Norwalk, CA 90652</div><div>(949) 250-0004</div></div>	PROJ#: 1023337	
								DRAWN BY: RAMAN DEEP SINGH	
								CHECKED BY: GURKAMAL PREET SINGH	
								APPROVED BY: MATTHEW YANG	
								DATE: 04/21/2025	SHEET: 1 OF 7
					SCOPE OF WORK:	<div>WADOT, WA</div> <div>ALPR CAMERA INSTALLATION</div>			

GENERAL NOTES AND TRAFFIC DESIGN TABLES

City of Puyallup  
Development & Permitting Services  
ISSUED PERMIT

Building

Planning

Engineering

Public Works

Fire

Traffic

1. TRAFFIC CONTROL PLAN SHALL CONFORM TO THE MOST CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (FHWA) AND STATE STANDARD PLANS.
2. NO LANE CLOSURES PERMITTED BEFORE 9:00AM AND AFTER 3:00PM.
3. ALL AFFECTED RESIDENTS, BUSINESSES, AGENCIES, AND SCHOOLS SHALL BE GIVEN A 72 HOURS NOTICE PRIOR TO THE START OF WORK AND THEIR ACCESS SHALL BE MAINTAINED AT ALL TIMES.
4. TEMPORARY NO PARKING SIGNS SHALL BE POSTED 48 HOURS PRIOR TO START OF WORK.
5. ALL CONFLICTING SIGNS, STRIPING OR PAVEMENT MARKINGS SHALL BE COVERED OR REMOVED AND REPLACED WHEN WORK IS COMPLETED.
6. TRAFFIC DIRECTION THROUGH A SIGNALIZED INTERSECTION SHALL BE CONDUCTED BY THE CITY OF PUYALLUP UNIFORMED POLICE OFFICER OR A COMMUNITY SERVICE OFFICER ONLY. SHOULD WORK REQUIRE A SIGNAL TO BE OVERRIDDEN, ARRANGEMENT SHALL BE MADE WITH THE CITY POLICE DEPT AND TRANSPORTATION ENGINEERING DEPT AT LEAST 14 DAYS PRIOR TO START OF WORK.

Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs**		
	A	B	C
Urban (low speed)*	100 feet	100 feet	100 feet
Urban (high speed)*	350 feet	350 feet	350 feet
Rural	500 feet	500 feet	500 feet
Expressway / Freeway	1,000 feet	1,500 feet	2,640 feet

\* Speed category to be determined by highway agency

\*\* The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

Table 6C-3. Taper Length Criteria for Temporary Traffic Control Zones

Type of Taper	Taper Length
Merging Taper	at least L
Shifting Taper	at least 0.5 L
Shoulder Taper	at least 0.33 L
One-Lane, Two-Way Traffic Taper	50 feet minimum, 100 feet maximum
Downstream Taper	50 feet minimum, 100 feet maximum

Note: Use Table 6C-4 to calculate L

Table 6C-4. Formulas for Determining Taper Length

Speed (S)	Taper Length (L) in feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet  
W = width of offset in feet  
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

Table 6E-1. Stopping Sight Distance as a Function of Speed

Speed*	Distance
20 mph	115 feet
25 mph	155 feet
30 mph	200 feet
35 mph	250 feet
40 mph	305 feet
45 mph	360 feet
50 mph	425 feet
55 mph	495 feet
60 mph	570 feet
65 mph	645 feet
70 mph	730 feet
75 mph	820 feet

\* Posted speed, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed



REV	DESCRIPTION	DATE	BY

TITLE:	GENERAL NOTES AND TRAFFIC DESIGN TABLES
SCOPE OF WORK:	WADOT, WA ALPR CAMERA INSTALLATION

PLANS PREPARED BY:



PROJ#:	1023337
DRAWN BY:	RAMAN DEEP SINGH
CHECKED BY:	GURKAMAL PREET SINGH
APPROVED BY:	MATTHEW YANG
DATE:	04/21/2025
SHEET:	2 OF 7

CAMERA LOCATION INFORMATION

City of Puyallup  
Development & Permitting Services  
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CAMERA NO.	LOCATION			
	STREET	DIRECTION	LATITUDE LONGITUDE	POLE
P001	MERIDIAN E	NORTHBOUND	47.147724332922714,-122.29276999254292	NEW FLOCK POLE

4627 MERIDIAN E  
MERIDIAN E AND 47TH AVE. SE  
-ALPR CAMERA #P001 PL.  
WORK AREA 1 OF 1

PRROW20250541

The applicant shall notify public transportation agencies whose routes or stops are affected by the traffic control plan 24 hours in advance of job start. (Pierce County Transit Construction Coordinator: 253-581-8000)

The City of Puyallup does not authorize or permit work on private property or outside City limits.

ROAD WORK ALLOWED:  
Monday - Thursday  
9AM - 2PM  
Call communications center at 253-287-4456 on day of work. Request a job start inspection through the CityView portal.

The City-issued permit packet shall be posted at the job site and available to inspectors at all times.

PEDESTRIAN CONTROL NOTES:

- A DEDICATED INDIVIDUAL WILL BE ASSIGNED THE RESPONSIBILITY OF ESCORTING PEDESTRIANS THROUGH THE WORK AREA IN ACCORDANCE WITH THREE MAJOR CONSIDERATIONS:
1. PEDESTRIANS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH WORK SITE VEHICLES, EQUIPMENT OR OPERATIONS
  2. PEDESTRIANS SHOULD NOT BE LED INTO DIRECT CONFLICT WITH MAINLINE TRAFFIC MOVING THROUGH OR AROUND THE WORK SITE.
  3. PEDESTRIANS SHOULD BE PROVIDED WITH A REASONABLY SAFE, CONVENIENT AND ACCESSIBLE PATH THAT REPLICATES AS NEARLY AS PRACTICAL THE MOST DESIRABLE CHARACTERISTICS OF THE EXISTING SIDEWALK OR FOOTPATH

FLAGGER TO ASSIST PEDESTRIANS THROUGH WORK AREA (SEE PED NOTES)

CONTACT PROPERTY OWNER(S) 72 HOURS PRIOR TO START OF WORK.

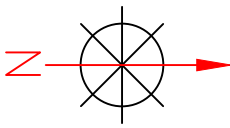
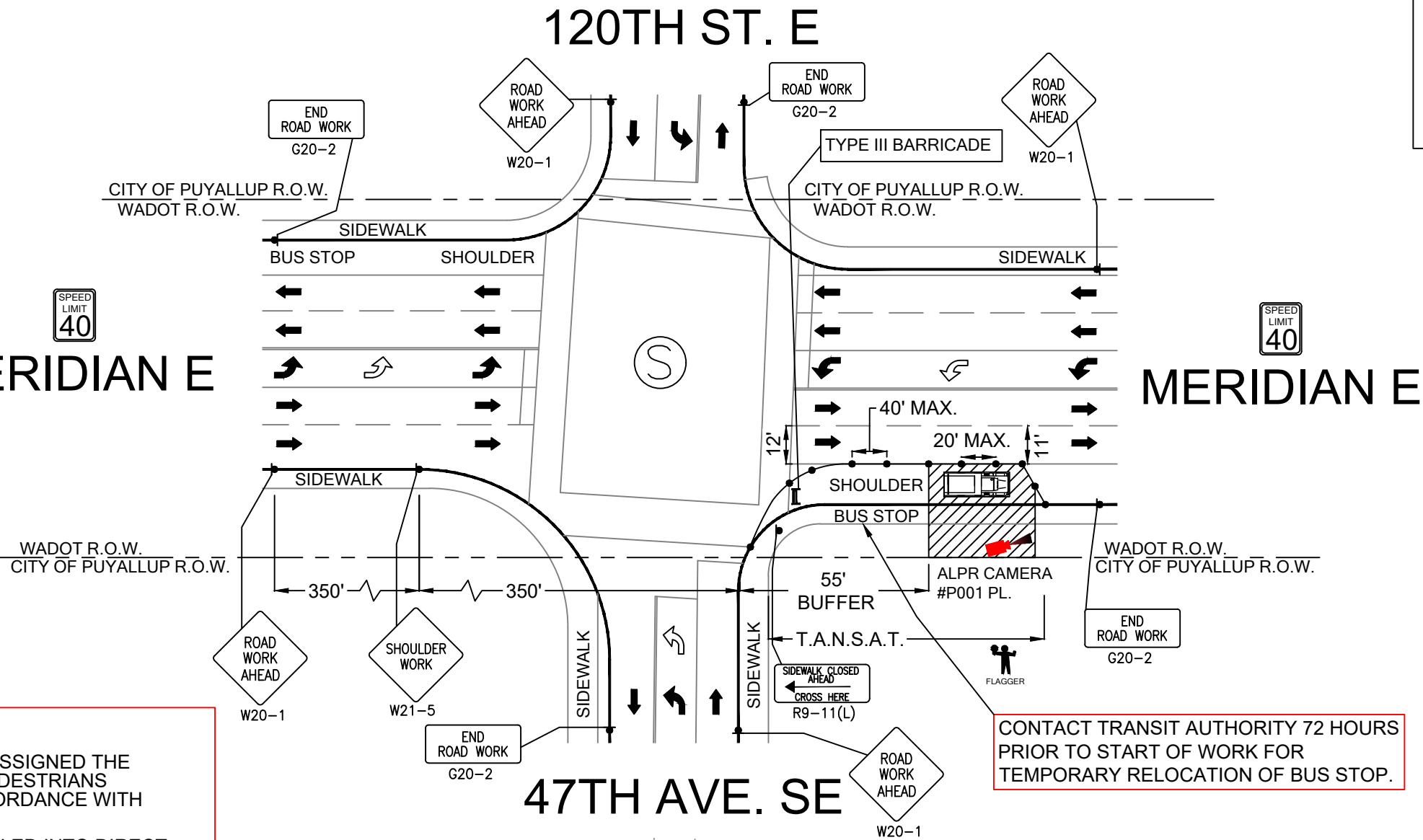
PLACE SIDEWALK CLOSED AHEAD CROSS HERE R9-11(R) AT THE S/E CORNER OF 43RD AVE. SE & MERIDIAN E

CONTACT TRANSIT AUTHORITY 72 HOURS PRIOR TO START OF WORK FOR TEMPORARY RELOCATION OF BUS STOP.

Any occupation of roadway beyond shoulder will require different TCP

City of Puyallup Development & Permitting Services ISSUED PERMIT	
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LEGEND	
☆	UNIFORMED POLICE OFFICER
⚡	PORTABLE FLASHING BEACON (P.F.B.)
⚡	TYPE III BARRICADE W/SIGN
⚡	TYPE II BARRICADE W/SIGN
⚡	CHANNELIZING DEVICE
⚡	TRAFFIC CONE WITH CLIP ON SIGN
⚡	TYPE I W/ SIGN
⚡	EXISTING SIGN
⚡	SIGNALIZED INTERSECTION
⚡	FLASHING ARROW BOARD
⚡	HIGH LEVEL WARNING DEVICE (FLAGTREE)
⚡	FLAGGER
TANSAT	TOW AWAY NO STOPPING ANY TIME
⚡	EXISTING DRIVEWAY
⚡	WORK ZONE (ACTIVITY AREA) LIMITS
→	DIRECTION OF TRAFFIC (NOT PAVEMENT MARKING)



SCALE: 1" = 40'

flock safety

REV	DESCRIPTION	DATE	BY

TITLE:	TRAFFIC CONTROL PLAN
SCOPE OF WORK:	WADOT, WA ALPR CAMERA INSTALLATION

PLANS PREPARED BY:

**CHC**  
A CONGRUEX COMPANY  
PO Box 59028  
Norwalk, CA 90652  
(949) 250-0004

PROJ#: 1023337

DRAWN BY: RAMAN DEEP SINGH

CHECKED BY: GURKAMAL PREET SINGH

APPROVED BY: MATTHEW YANG

DATE: 04/21/2025 SHEET: 4 OF 7

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. FOUNDATIONS ARE DESIGNED BY OTHERS, FLOCK SAFETY SHALL PROVIDE THE CONTRACTOR WITH INSTALLATION SPECIFICATIONS AND GUIDELINES. CONTRACTOR IS RESPONSIBLE FOR VERIFYING SOIL CONDITIONS PRIOR TO INSTALLATION.

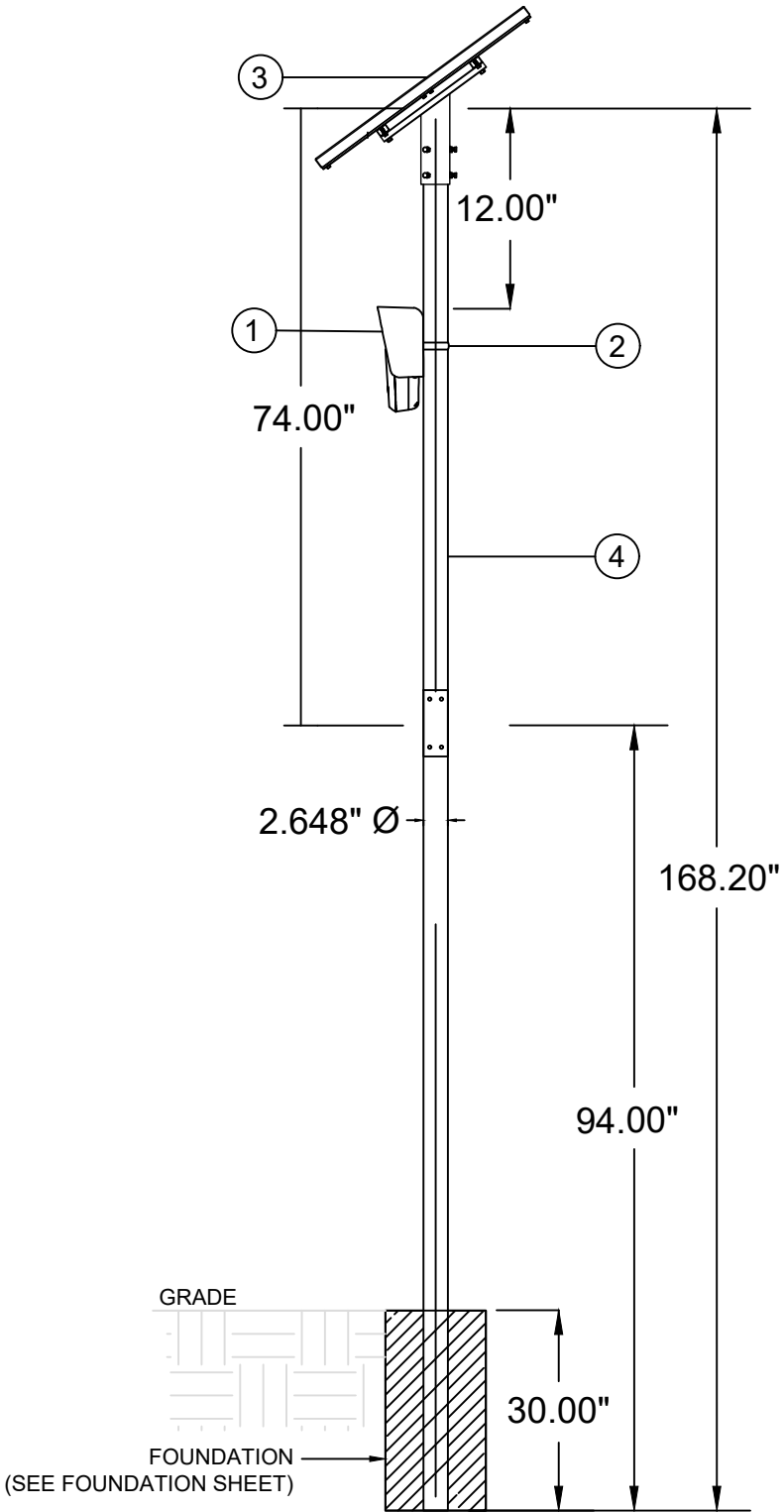
GENERAL & CONSTRUCTION NOTES

- 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

City of Puyallup  
Development & Permitting Services  
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Building

Planning

Engineering

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Traffic



REV	DESCRIPTION	DATE	BY

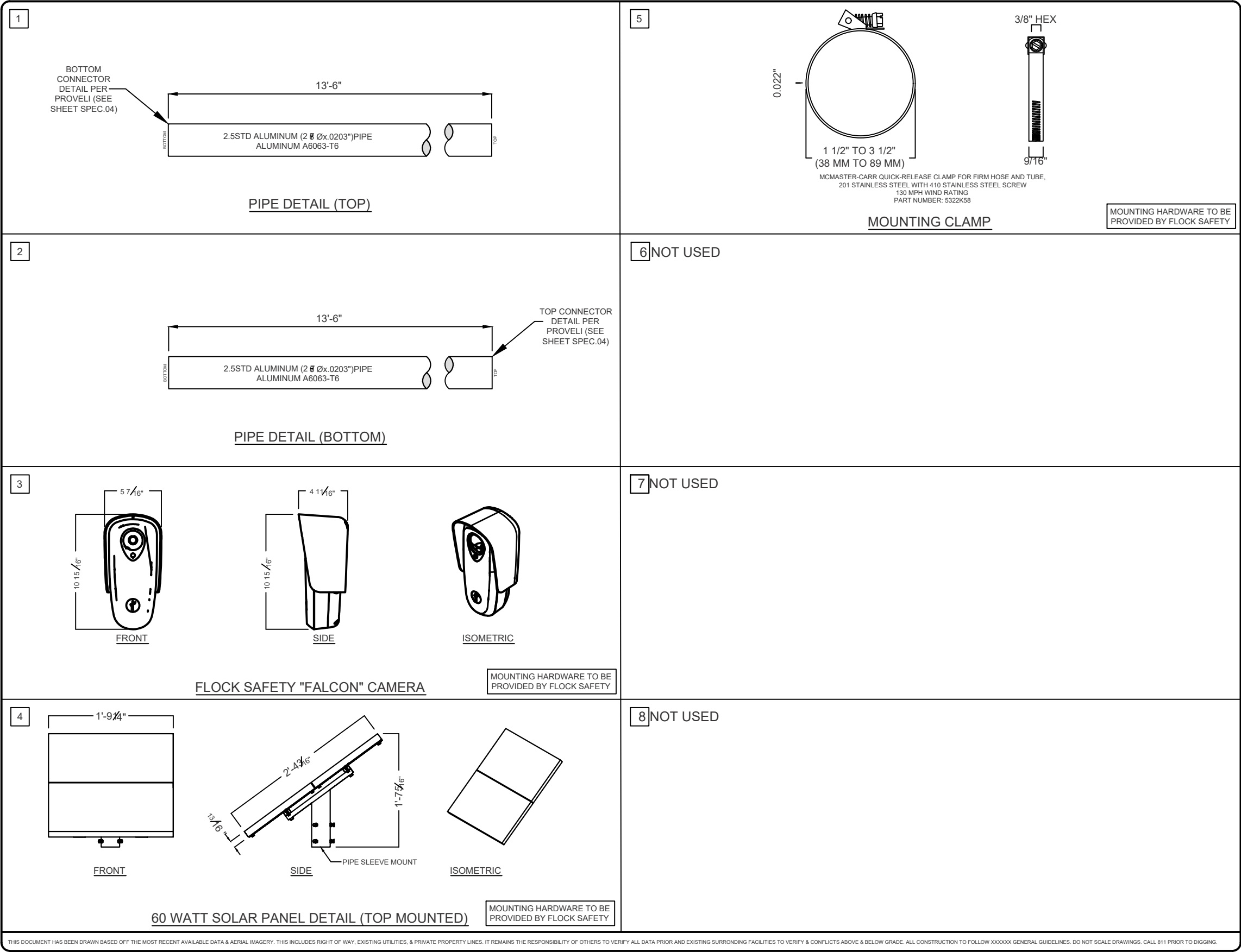
TITLE:	POLE DETAILS
SCOPE OF WORK:	WADOT, WA ALPR CAMERA INSTALLATION

PLANS PREPARED BY:



PROJ#:	1023337
DRAWN BY:	RAMAN DEEP SINGH
CHECKED BY:	GURKAMAL PREET SINGH
APPROVED BY:	MATTHEW YANG
DATE:	04/21/2025
SHEET:	5 OF 7





City of Puyallup  
Development & Permitting Services  
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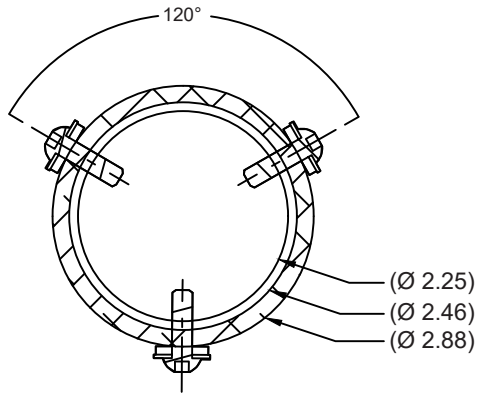
Fire

Traffic

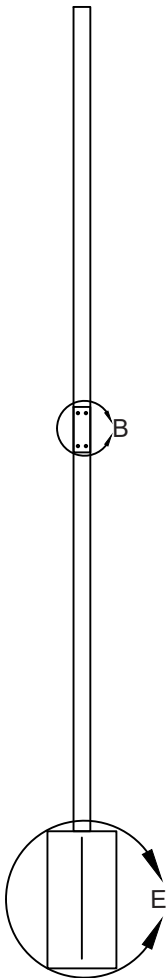
	REV	DESCRIPTION	DATE	BY	TITLE:	PLANS PREPARED BY: A CONGRUEX* COMPANY PO Box 59028 Norwalk, CA 90652 (949) 250-0004	PROJ#: 1023337
					POLE DETAILS		DRAWN BY: RAMAN DEEP SINGH
					SCOPE OF WORK:		CHECKED BY: GURKAMAL PREET SINGH
					WADOT, WA		APPROVED BY: MATTHEW YANG
					ALPR CAMERA INSTALLATION		DATE: 04/21/2025 SHEET: 6 OF 7

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

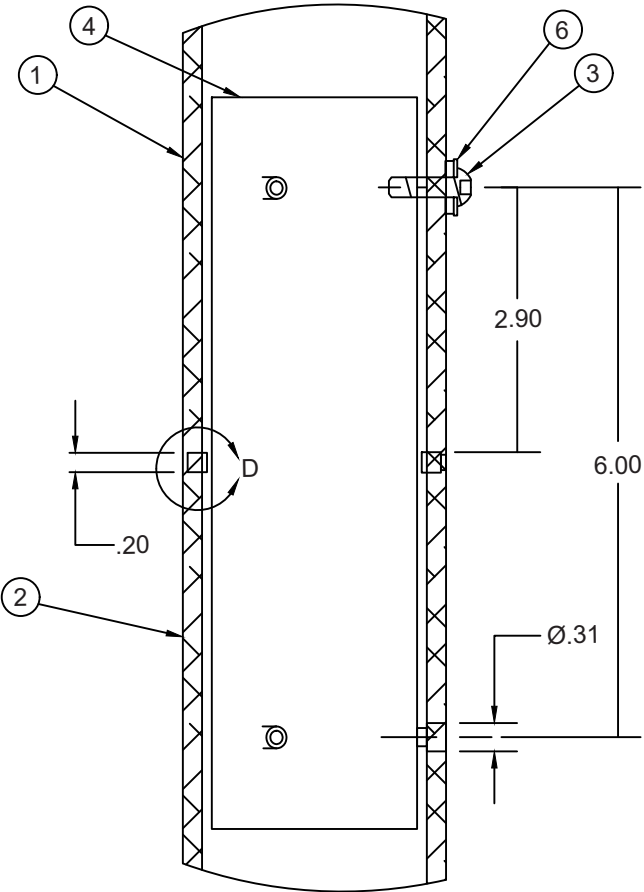
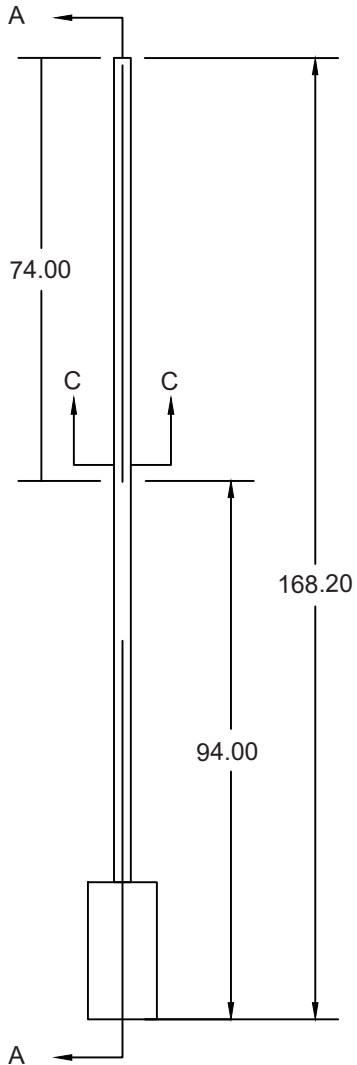
PROVELI STYLE 7 COUPLER ASSEMBLY  
PART #: 1020-01  
MATERIAL: VARIES  
WEIGHT: 168.42 LBS  
DATE: 09/27/2023  
DO NOT SCALE DRAWINGS (NTS)



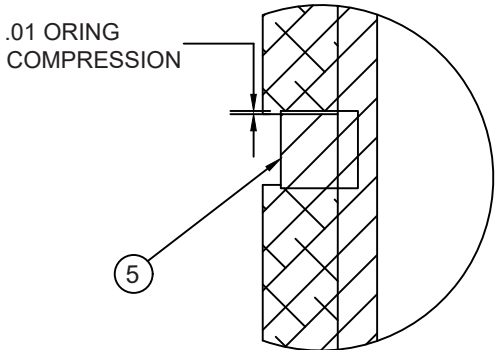
SECTION C-C



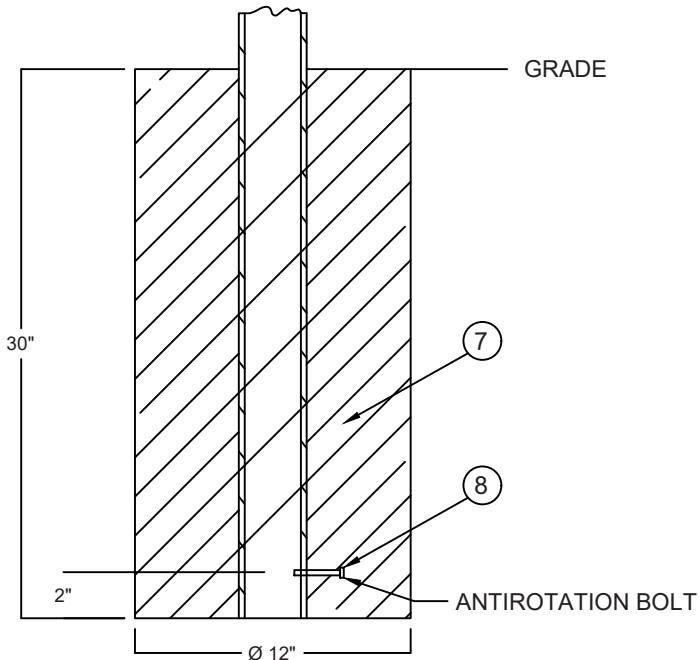
SECTION A-A



DETAIL C



DETAIL D



DETAIL E

City of Puyallup  
Development & Permitting Services  
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REV	DESCRIPTION	DATE	BY

TITLE:	POLE DETAILS
SCOPE OF WORK:	WADOT, WA ALPR CAMERA INSTALLATION

PLANS PREPARED BY:

CHC

A CONGRUEX\* COMPANY  
PO Box 59028  
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DRAWN BY: RAMAN DEEP SINGH

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DATE: 04/21/2025 SHEET: 7 OF 7