



## LACEY

# SLEATER KINNEY ROAD AND PACIFIC AVENUE SIGNAL POLE RELOCATION

LACEY CONTRACT # PW 2018-07 SEC. 20, TI8N, RIW, W.M.

#### LACEY CITY OFFICIALS

MAYOR: DEPUTY MAYOR: CITY COUNCIL: Andy Ryder Malcolm Miller Lenny Greenstein Michael Steadman Carolyn Cox Ed Kunkel Robin Vazquez

INTERIM CITY MANAGER: Rick Walk CITY ATTORNEY: David S. Schneider CITY ENGINEER: Aubrey Collier, P.E.

DIRECTOR OF PUBLIC WORKS: Scott Egger, P.E.

1/13/23
DATE

### SHEET INDEX

NO. DESCRIPTION

COVER SHEET SIGNAL PLAN

3 SIGNAL STANDARD 4 SIGNAL DETAILS



Lacey Dwg. Number : D-18-20

#### CONSTRUCTION NOTES:

- (T) SIGNAL STANDARD NO. 1
  INSTALL SIGNAL STANDARD FOUNDATION AT STATION 10-87.56 (SLEATER KINNEY) 41.00 FT RIGHT.
  INSTALL GITY SUPPLIED TYPE III SIGNAL STANDARD, WITH 28.5 FT MAST ARM, THREE NEW VEHICLE SIGNAL
  HEADS USING CABLE ASTRO-BRAC SYSTEM, EXISTING INTERNALY LILLIMINATED STREET NAME SIGN "PACIFIC AND MOUNTING BRACKET, EXISTING SURGENOT PRESENT DETECTION, EXISTING VEHICLE DETECTION CAMERA
  AND ONE NEW TERMINAL CAMBRET. (SEE SPECIAL PROVISIONS)
- (2) REMOVE EXISTING SIGNAL STANDARD, MAST ARM, CONDUIT, CONDUCTORS AND ASSOCIATED EQUIPMENT (AFTER NEW STANDARD) IS IN PLACE). REMOVE EXISTING CONCRETE SIGNAL STANDARD FOUNDATION COMPLETELY, PRE STANDARD SPECIFICATIONS AND RESTORE PER TRENCH RESTRANDARD SPECIFICAL PROVISIONS)
- (3) EMERGENCY PREEMPT DETECTOR SHALL BE FIELD LOCATED BY THE ENGINEER PRIOR TO INSTALLATION.
- 4 ALL SIGNAL HEADS AND TENONS SHALL BE SEPARATELY WIRED BETWEEN THE SIGNAL HEAD AND THE TERMINAL BOX. SEE SPECIAL PROVISIONS.
- (5) INSTALL NEW 4" CONDUIT RUN FROM EXISTING J-BOX TO NEW SIGNAL STANDARD NO. 1 AND ROUTE NEW CONDUCTORS BACK TO CONTROLLER CABINET.
- (6) REMOVE EXISTING CEMENT CONCRETE SIDEWALK AT EXPANSION JOINTS AND REPLACE WITH CEMENT CONCRETE SIDEWALK.

#### EXISTING WIRING SCHEDULE

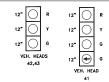
		CONDUCTORS							
RUN	CONDUIT SIZE	2CS #12	3C WC5	7C #14	5C #14	#8 USE	#8 BARE	6PCC	CPC
1	1 - 11/2 "PVC	2						1	
2	1 - 11/4" PVC	1			2				
3	1 - 11/2"PVC	2							
4	1 - 3" PVC		1			3	1		
5	1 - 3" PVC	3			4				
6	1 - 2" PVC		1			3	1		1
7	1 - 11/4" PVC					3	1		2
8	1 - 3" PVC	3			4				
9	1 - 3" PVC		2		4				- 1
10	1 - 1" PVC	2							
11	1 - 3" PVC				3				
12	1 - 2" PVC		3						
13	1 - 3" PVC				7				
14	1 - 11/4" PVC	1							
15	1 - 3" PVC	2			4				1
16	1 - 3" PVC	2			4				
17	1 - 11/2 PVC					2	1		
18	1 - 3" PVC	4	- 4		8			1	
19	1 - 3 PVC	5			7			2	
20	1 - 1½"PVC					5	1		4
21	1 - 11/2 PVC								1
22	1 - 2 PVC				2				
23	1 - 3 PVC		1		3	2	1		

#### PROPOSED WIRING SCHEDULE

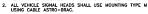
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			CONDUCTORS						
RUN	CONDUIT	2CS #12	3C WC5	7C #14	5C #14	#8 USE	#8 BARE	6PCC	CPC
24	1 - 4" PVC		1		1	3	1		1

2CS ~ TWO CONDUCTOR SHIELDED CABLE (\*\* THREE CONDUCTOR SHIELDED CABLE (\*\* PRE-EMPTION\*) 5C ~ FIVE CONDUCTOR CABLE (\*\* SEVEN CONDUCTOR CABLE \*\* C ~ SEVEN CONDUCTOR CABLE \*\* C ~ SEVEN CONDUCTOR CABLE C\*\* C ~ COAXIAL / FOWER CABLE (\*\*) (\*\* WIGHT CABLE (\*\*) (\*\*) DENOTES PROPOSED CONDUCTORS ADDED TO CONDUIT (\*\*) DENOTES PROPOSED CONDUCTORS ADDED TO CONDUIT

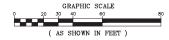
#### SIGNAL FACE SCHEDULE



- ALL VEHICLE SIGNAL HEADS SHALL BE LED HEADS WITH 12" FACES, ALUMINUM BACKPLATES AND ALUMINUM TUNNEL VISORS.

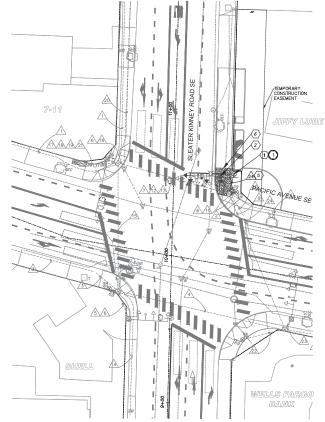






#### LECEND

	LEGEND:
0	SIGNAL STANDARD NO.
(1)	CONSTRUCTION NOTE
2	PROPOSED CONDUIT WIRE RUN NUMBER
2	EXISTING CONDUIT WIRE RUN NUMBER
	PROPOSED SIGNAL STANDARD
	EXISTING SIGNAL STANDARD
×	LUMINAIRE
\$\bar{\pi}\$	VEHICLE DETECTION CAMERA
ļ	OPTICOM SENSOR
-	VEHICLE SIGNAL HEAD
₩	VEHICLE SIGNAL HEAD W/TURN ARROW
-	INTERNALLY ILLUMINATED STREET NAME SIGN
$\bowtie$	EXISTING SIGNAL CABINET
**	EXISTING SERVICE DISCONNECT
⊡J	EXISTING TYPE 1 J-BOX
	EXISTING TYPE 3 J-BOX
	EXISTING CONDUIT RUN
	PROPOSED CONDUIT RUN
	CEMENT CONCRETE SIDEWALK REMOVAL AND REPLACEMENT



VIDEO LOOP SCHEDULE STATION OF END OF LOOP CLOSEST TO INTERSECTION

CITY OF LACEY, WASHINGTON

DEPARTMENT OF PUBLIC WORKS 420 COLLEGE STREET S.E.

LACEY, WA 98503-1238 (360) 491-5600

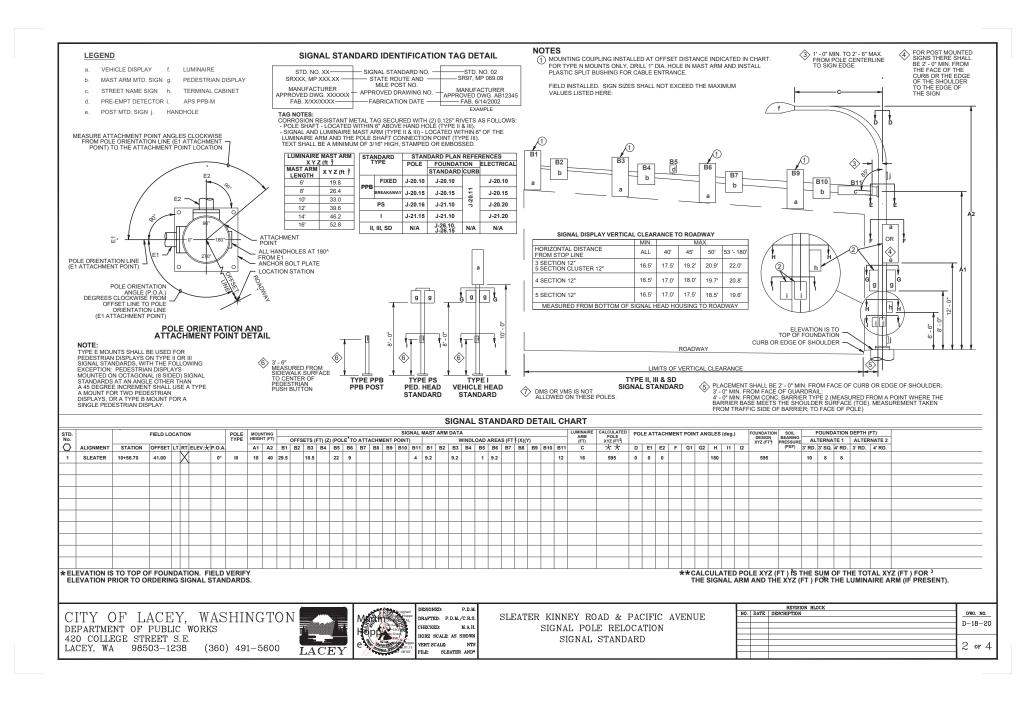


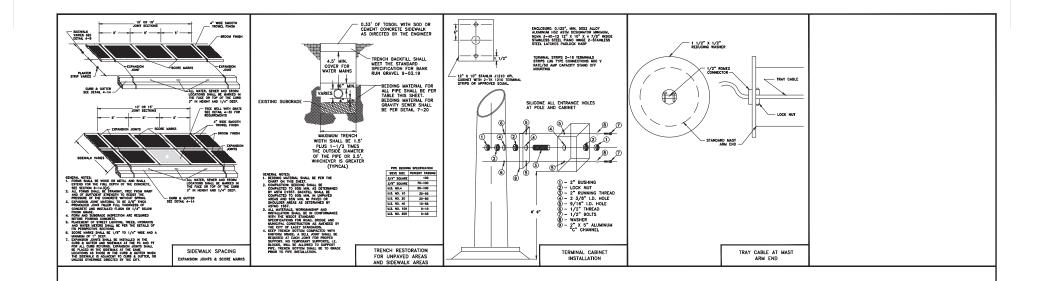


P.D.M. CHECKED: M. A. H. HORZ SCALE AS SHOWN VERT.SCALE: NTS FILE: SLEATER AND

SLEATER KINNEY ROAD & PACIFIC AVENUE SIGNAL POLE RELOCATION SIGNAL PLAN

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CITY OF LACEY, WASHINGTON DEPARTMENT OF PUBLIC WORKS 420 COLLEGE STREET S.E. LACEY, WASHINGTON (360) 491-5600





DESIGNED: P.D.M.
DRAFTED: P.D.M./C.R.S.
CHECKED: M.A.H.
HORZ SCALE: AS SHOWN
VERT.SCALE: NTS
FILE: SLEATER AND\*

SLEATER KINNEY ROAD & PACIFIC AVENUE SIGNAL POLE RELOCATION SIGNAL DETAILS

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