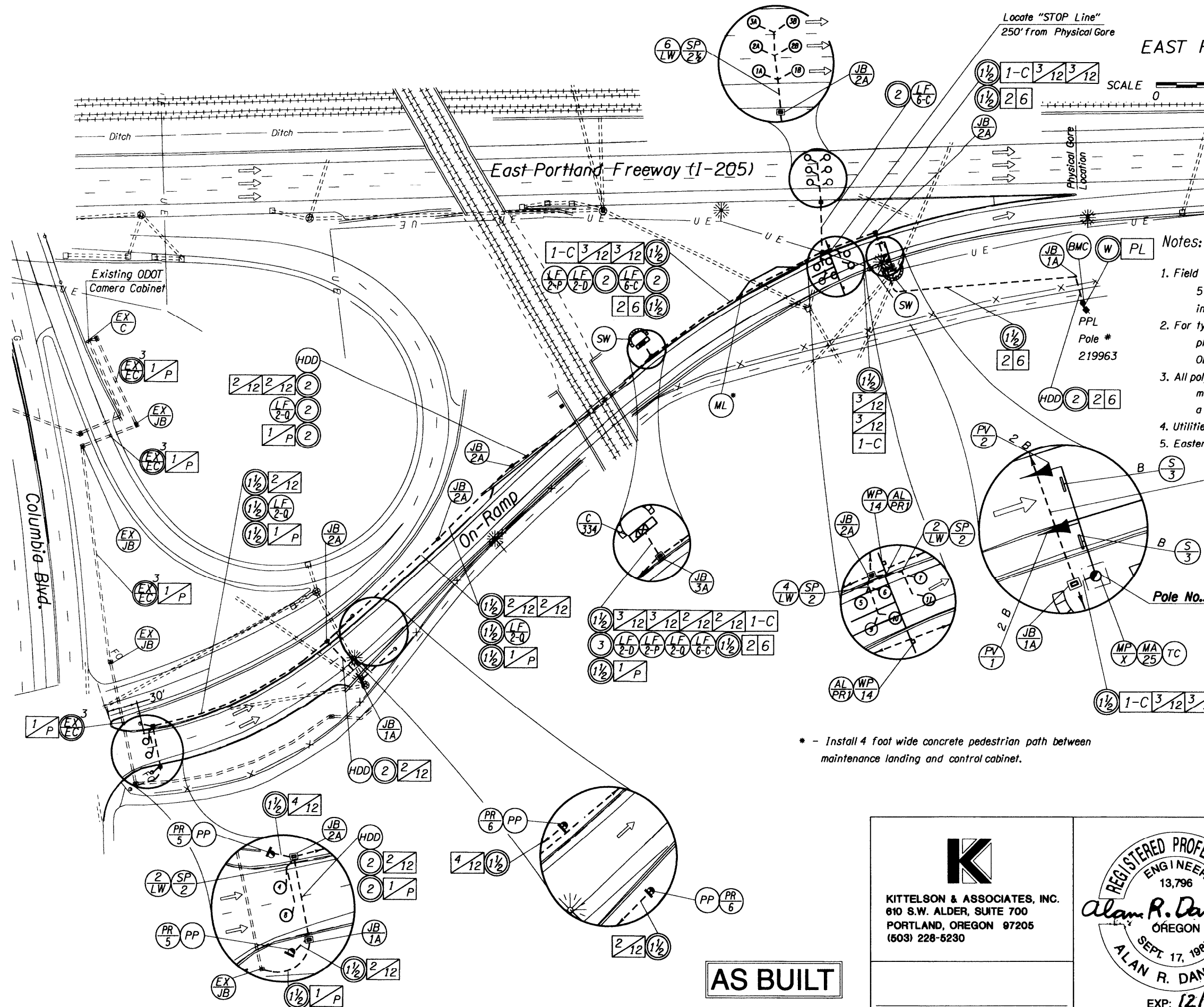


13861

# RAMP METER PLAN EAST PORTLAND FREEWAY AT COLUMBIA BLVD. N.B. I-205, M.P. 23.90

SCALE 0 100 200 400 FEET



## Notes:

1. Field verify lane widths. Loops installed in lanes with less than 12 ft must be either 5 foot round or 4 foot diamonds. 4 foot diamond loops may be used in place of round loops shown on plans.
2. For typical ramp meter installation details not shown which include loop placement, loop function, signal type, sign description and striping, see ODOT Standard DWG. TM433.
3. All polymer concrete, hybrid material, or precast concrete junction boxes must either be located in sidewalk (non-traffic areas), or be installed with a concrete apron.
4. Utilities shown are approximate. Contact utility companies for field locations.
5. Eastern ODOT R/W line is immediately east of existing shown bike path.

Loop Number	Phase	Function	Slot
1a		C	6L
1b		C	6U
2a		C	7L
2b		C	7U
3a		C	8L
3b		C	8U
4		Q	3L
5	1	D	5L
6	1	P	5U
7	2	Q	2U
8	2	D	4L
9	2	P	4U
10			
11			

## LOOP DETECTOR WIRING DIAGRAM

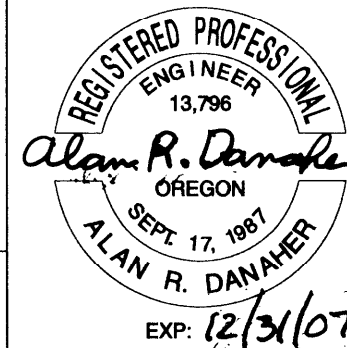
S = Series, P=Passage, C=Count, Q=Queue, D=Demand  
See T.M.S. Drwg. No. TM419, TM420, and list on Sheet 13856 for loop detector details. Center all loops in travel lanes or as shown on plan.

\* - Install 4 foot wide concrete pedestrian path between maintenance landing and control cabinet.

AS BUILT



KITTELSON & ASSOCIATES, INC.  
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OREGON DEPARTMENT OF TRANSPORTATION  
TRAFFIC MANAGEMENT SECTION

2005 REGION 1 ATMS RAMP METERS  
(PHASE 7) SEC.  
EAST PORTLAND FREEWAY  
CLACKAMAS & MULTNOMAH COUNTIES

DESIGNED BY: M. Eretli  
REVIEWED BY: A. Danaher  
DRAWN BY: M. Eretli  
FC: 084 MP: 23.90

RAMP METER PLAN

T.M.S. DWG. NO. 13861