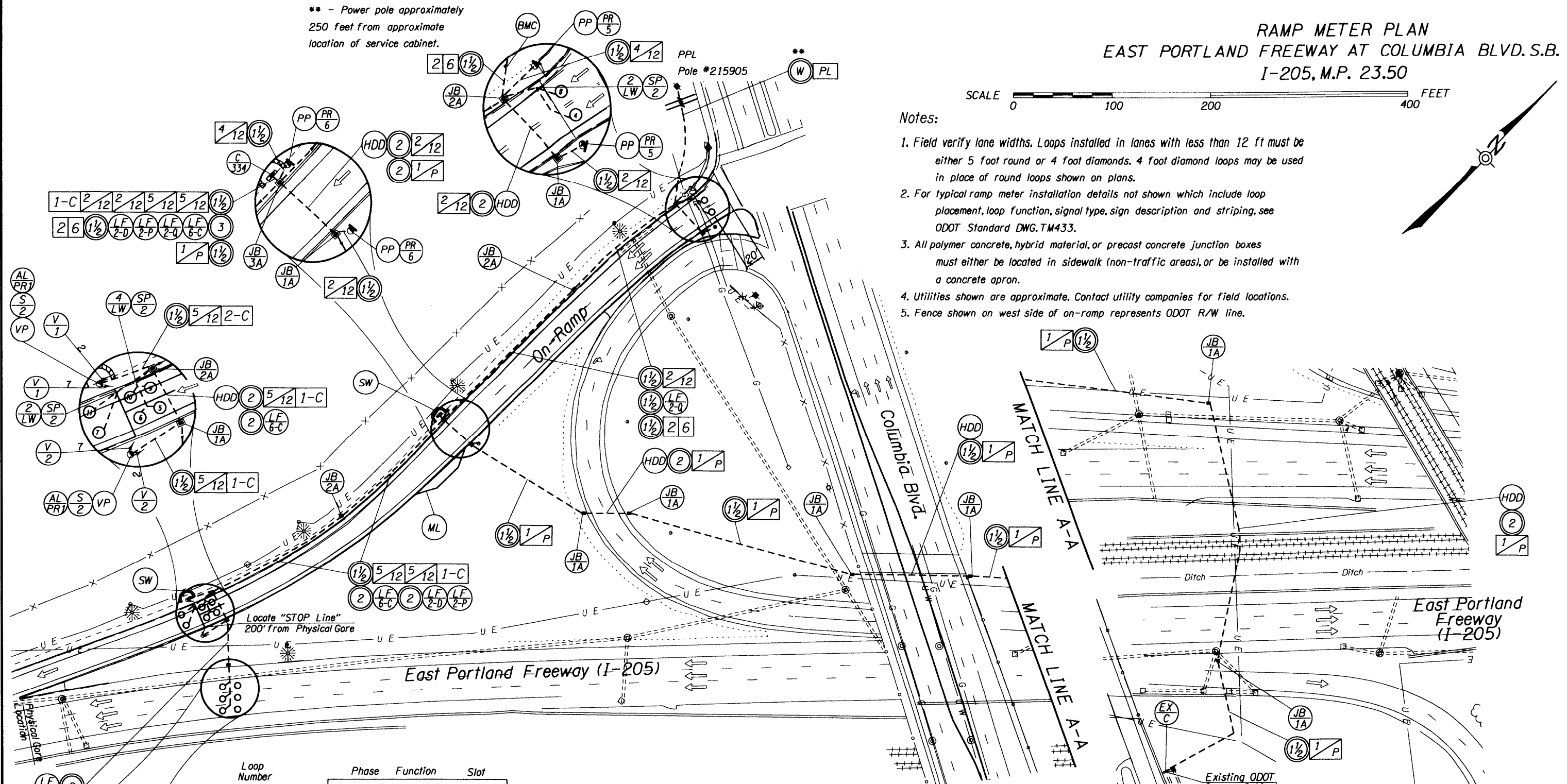


RAMP METER PLAN
EAST PORTLAND FREEWAY AT COLUMBIA BLVD. S.B.
I-205, M.P. 23.50

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. Fence shown on west side of on-ramp represents ODOT R/W line.



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	S	2	D
6		2	5L
7		2	P
8		1	Q
9	S	1	D
10		1	P
11		1	P

Controller Cabinet

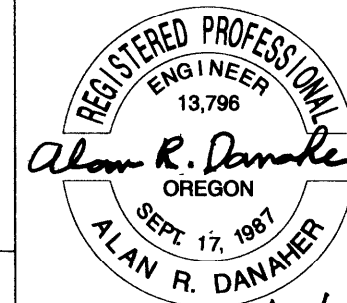
LOOP DETECTOR WIRING DIAGRAM

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.

AS BUILT



KITTELSON & ASSOCIATES, INC.
610 S.W. ALDER, SUITE 700
PORTLAND, OREGON 97205
(503) 228-5230



EXP: 12/31/07

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. Erti
REVIEWED BY: A. Danaher
DRAWN BY: M. Erti
FC: 064 MP: 23.50

RAMP METER PLAN

T.M.S. DWG. NO. 13860