

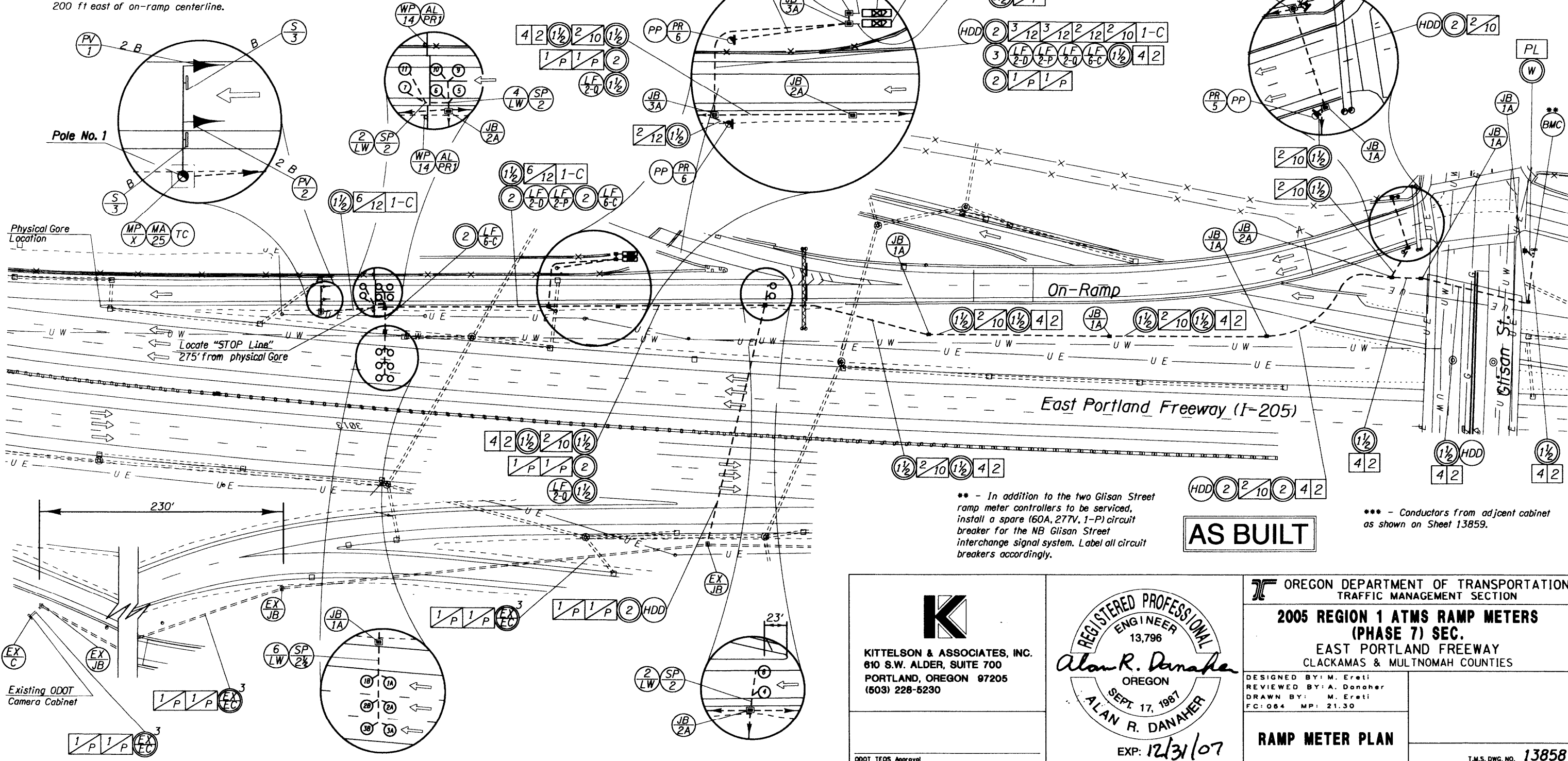
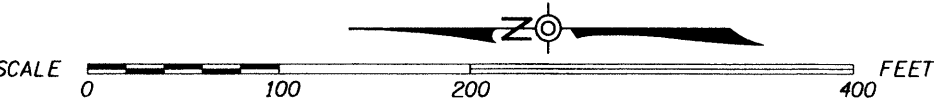
Notes:

- 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 intersecting Glisan St. from the north is approximately 200 ft east of on-ramp centerline.

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

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 lane or as shown on plan.

RAMP METER PLAN
EAST PORTLAND FREEWAY AT GLISAN ST. N.B.
I-205, M.P. 21.30



** - In addition to the two Glisan Street ramp meter controllers to be serviced, install a spare (60A, 277V, 1-P) circuit breaker for the NB Glisan Street interchange signal system. Label all circuit breakers accordingly.

*** - Conductors from adjacent cabinet as shown on Sheet 13859.

AS BUILT

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

REGISTERED PROFESSIONAL ENGINEER
13,796
Alan R. Danahe
OREGON
SEPT. 17, 1987
ALAN R. DANAHE
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. Ertel
REVIEWED BY: A. Danahe
DRAWN BY: M. Ertel
FC: 084 MP: 21.30

RAMP METER PLAN

T.M.S. DWG. NO. **13858**