

NW Corner: Conduits will be an issue running into pole if 7-Conductor cables are used.

SIGNAL PLANS ARE NOT ET
Controller and home run j-box will need to be considered in ramp placement.

NE Corner: Potential loop impact for bikes and motor vehicles. Bike loops to be replaced in kind. Consider cost effective stop bar detection measures.

SE Corner: Limited pedestrian pole placement options if two poles are used.

SW Corner: Remote service pedestal and power j-box will be a concern.

12276

SIGNAL PLAN
HANCOCK AT N. MAIN ST.
HWY. 1W MP. 23.76



SCALE 0 5 10 20 METERS
L E G E N D

- 332 Install model 170 controller in model 332 cabinet with riser frame, orient front(louvered) door as shown
- MPL X Install special (Non-standard) traffic signal mast arm pole with luminaire pole extension (12.2 meter mounting ht.)
- MA L Install (L) meter traffic signal mast arm
- LA L Install (L) meter luminaire arm
- PP Install pedestrian signal pedestal with frangible base
- RPS Install remote power service post
- V Ph Install phase (Ph) vehicle signal with LED's
- P/B Ph Install phase (Ph) pedestrian signal with LED's, pushbutton and instruction decal
- AL 7L Install aluminum (762 mm x 914 mm, type "W7") "ONE WAY" left arrow sign (Type A, Diamond grade sheeting)
- AL 7R Install aluminum (762 mm x 914 mm, type "W7") "ONE WAY" right arrow sign (Type A, Diamond grade sheeting)
- TC Install terminal cabinet
- SCL 1 Install service cabinet, 120 volt, for both signal and illumination circuits
- MS 1 Install 120 volt meter base
- JB 2 Install 560 mm x 305 mm x 305 mm (min. dimension) precast concrete junction box
- JB 3 Install 760 mm x 430 mm x 305 mm (min. dimension) precast concrete junction box
- N-C Install (N) No. 8 type THWN (Signal system common)
- N/G Install (N) No. (G) type THWN wires
- N/G Install (N) No. (G) type XHHW wires
- PL Install poly pull line (1 kn min-strength)
- 3 Ph Includes 3 spare wires for phase (Ph) as per table
- S Install (S) mm electrical conduit
- DC Detector conduit (See Detector Plan)
- IC Interconnect conduit (See Interconnect Plan)
- EX Ch Install channel(Ch), (N) barrel fire pre-emption detector unit
- FF Ch Install channel(Ch) fire pre-emption detector feeder cable

- AL 5R Install aluminum (762 mm x 914 mm, type "W7") right arrow "ONLY" sign (Type A, Diamond grade sheeting)
- AL 10 Install aluminum (762 mm x 914 mm, type "W7") "LEFT TURN YIELD TO ONCOMING TRAFFIC" sign (OR17-1X Type A, Diamond grade sheeting)
- HPS Install 310 watt high pressure sodium luminaire, type M-S-III, 120/240 dual voltage mag-regulator ballast
- PE 1 Install photocontrol electronic relay on pole (6 m -10 m above pole base)
- MB Install metal pole barrier

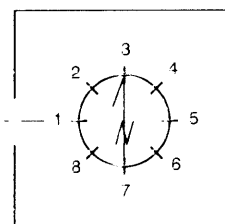
L = Length shown
Ph = Phase shown
N = Number shown
G = AWG size shown

S = Size shown
Ch = Channel shown
A = Standard plumbizer
E = Elevator plumbizer
2 = 305 mm R, 305 mm Y, 305 mm G

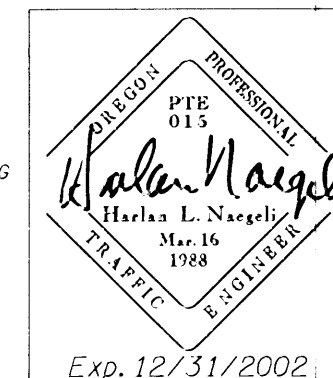
Note:
Field verify pole locations.
(Stations and offsets are approximate.)
* Flat black pole with ornamental base shoe.
** Flat black pole and appurtenances.

POLE ENTRANCE CHART

Pole No.	33	34	35	36
Luminaire Arm	5	7	1	-
Mast Arm	5	7	1	-
Terminal Cabinet	1	3	5	-
Pedestrian Signal Clam Shell	1/7	1/3	3/5	5/7



Hancock



OREGON DEPARTMENT OF TRANSPORTATION
TRAFFIC MANAGEMENT SECTION
TRAFFIC SIGNAL INSTALLATION
BRUTCHER ST. - EVEREST ST. &
EVEREST ST. - MAIN ST. (NEWBERG) SECS.
PACIFIC HIGHWAY WEST
YAMHILL COUNTY

DATE November 2000
DESIGNED BY H. Naegeli
CHECKED BY T. Jenkins
DRAWN BY H. Naegeli

A6 05602tr3.sg2 T.J.S. C.W.G. NO. 12276



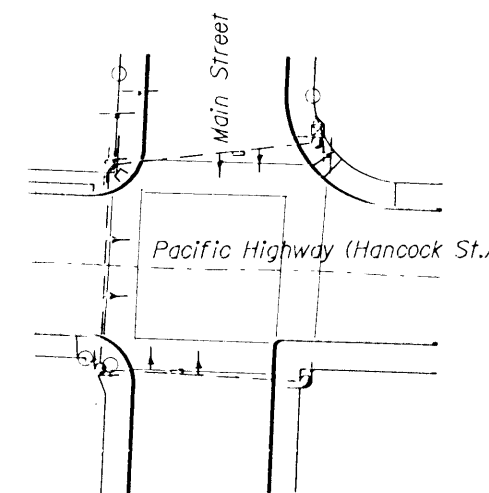
DETECTOR PLAN HANCOCK AT N. MAIN ST. HWY. 1W MP. 23.76

SCALE 0 10 20 40 METERS

LEGEND

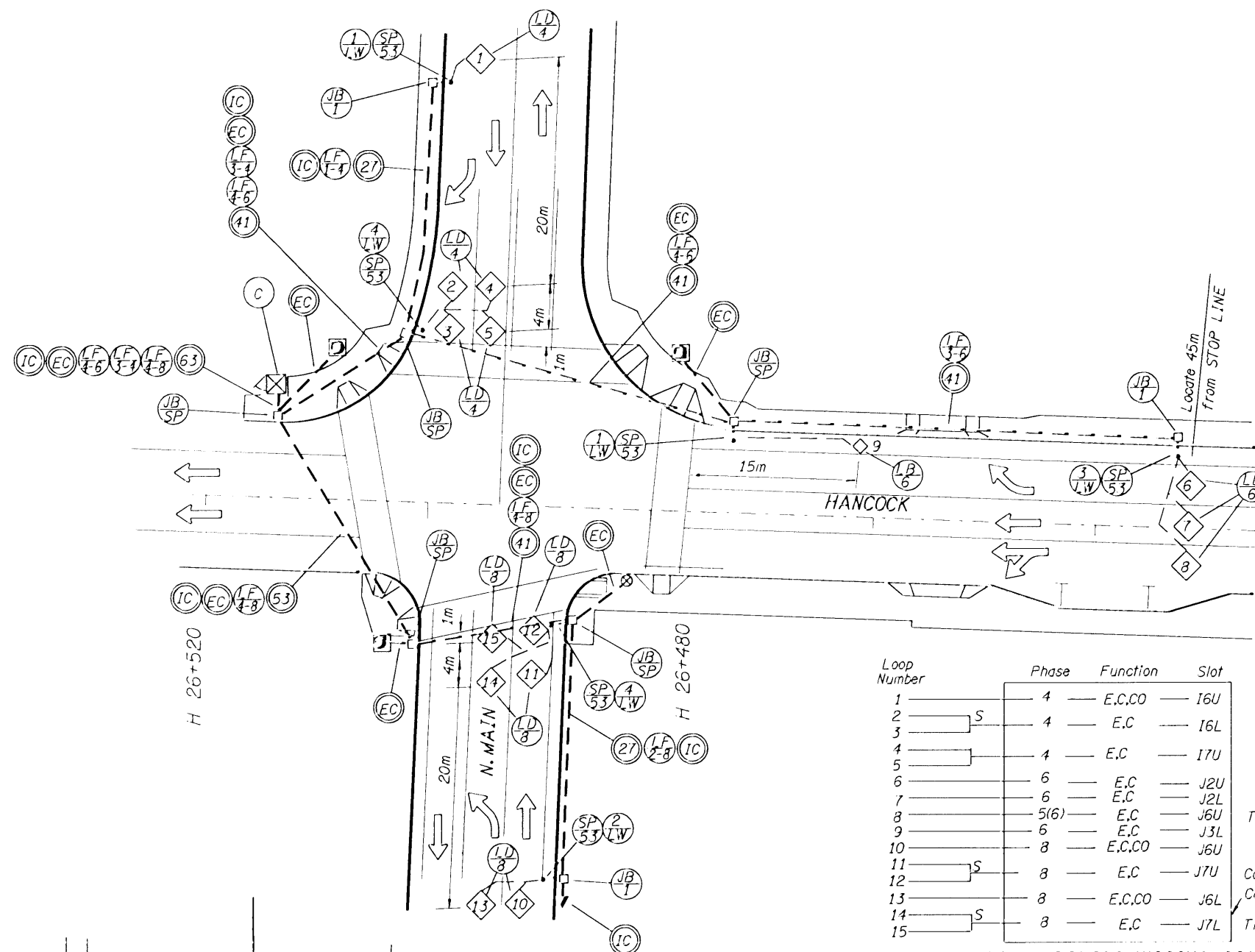
- (C) Controller (See Signal Plan)
- (JB/SP) Junction box (See Signal Plan)
- (JB/I) Install 440 mm x 265 mm x 305 mm (min. dimension) precast concrete junction box
- (SP/S) Install 150 mm max. sand pocket block-out with (S) mm conduit to junction box
- (LD/Ph) Install phase (Ph) 1.2 m diamond vehicle detector loop
- (LB/Ph) Install phase (Ph) 0.7 m diamond bicycle detector loop
- (LF/X/Ph) Install (X) phase (Ph) loop feeder cables
- (N/LW) Install (N) pair of loop wires
- (S) Install (S) mm electrical conduit
- (EC) Electrical conduit (See Signal Plan)
- (IC) Interconnect conduit (See Interconnect Plan)

Ph = Phase shown
X = Number of cables shown
N = Number shown
S = Size shown



REMOVAL PLAN

Remove entire existing Traffic Signal Installation and all appurtenances.

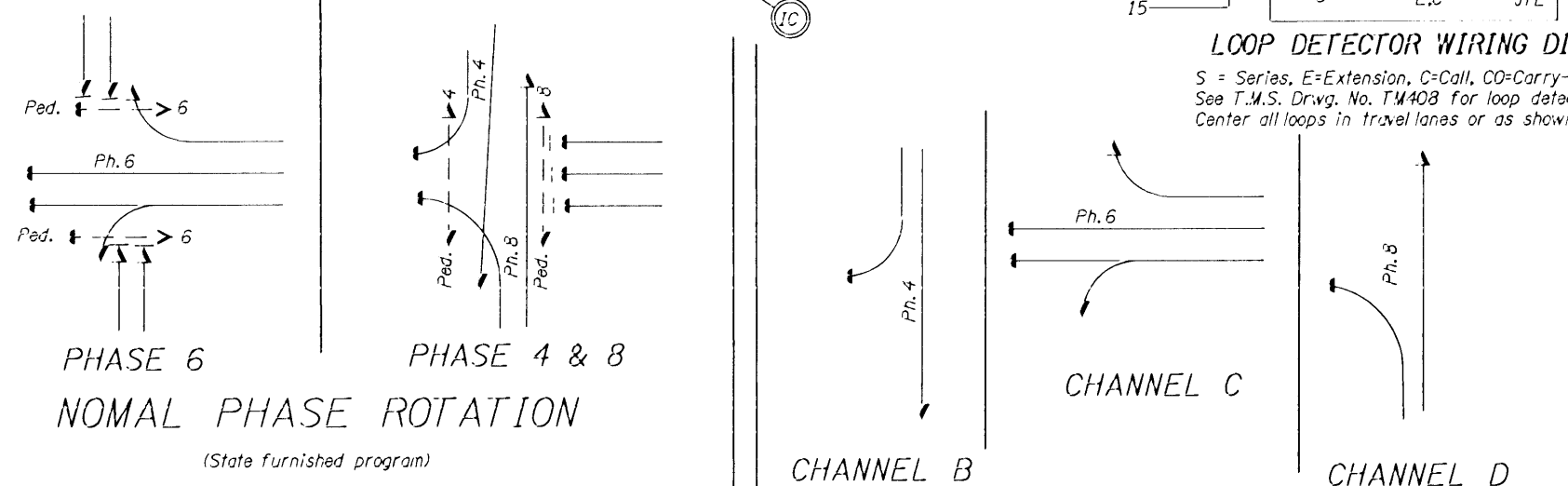


Loop Number	Phase	Function	Slot
1	4	E.C.CO	I6U
2	S	E.C	I6L
3	4	E.C	I7U
4	4	E.C	I7U
5	6	E.C	J2U
6	6	E.C	J2L
7	5(6)	E.C	J6U
8	6	E.C	J3L
9	8	E.C.CO	J6U
10	8	E.C	J7U
11	S	E.C	J7U
12	8	E.C.CO	J6L
13	S	E.C	J7L
14	8	E.C	J7L
15	8	E.C	J7L

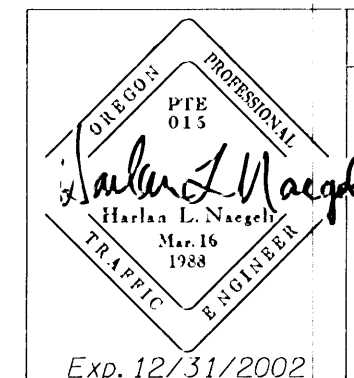
LOOP DETECTOR WIRING DIAGRAM

S = Series, E=Extension, C=Call, CO=Carry-over.
See T.M.S. Drwg. No. TM408 for loop detector details
Center all loops in travel lanes or as shown on plan

NOTE:
SIGNAL PLANS ARE
REVERSED FROM
ROADWAY PLANS



FIRE PRE-EMPTION OPERATION



Exp. 12/31/2002

OREGON DEPARTMENT OF TRANSPORTATION TRAFFIC MANAGEMENT SECTION TRAFFIC SIGNAL INSTALLATION BRUTCHER ST. - EVEREST ST. & EVEREST ST. - MAIN ST. (NEWBERG) SECS. PACIFIC HIGHWAY WEST YAMHILL COUNTY	
DATE November 2000 DESIGNED BY: H.Naegeli CHECKED BY: T.Jenkins DRAWN BY: H.Naegeli	T.M.S. DRWG. NO. 12277