12272

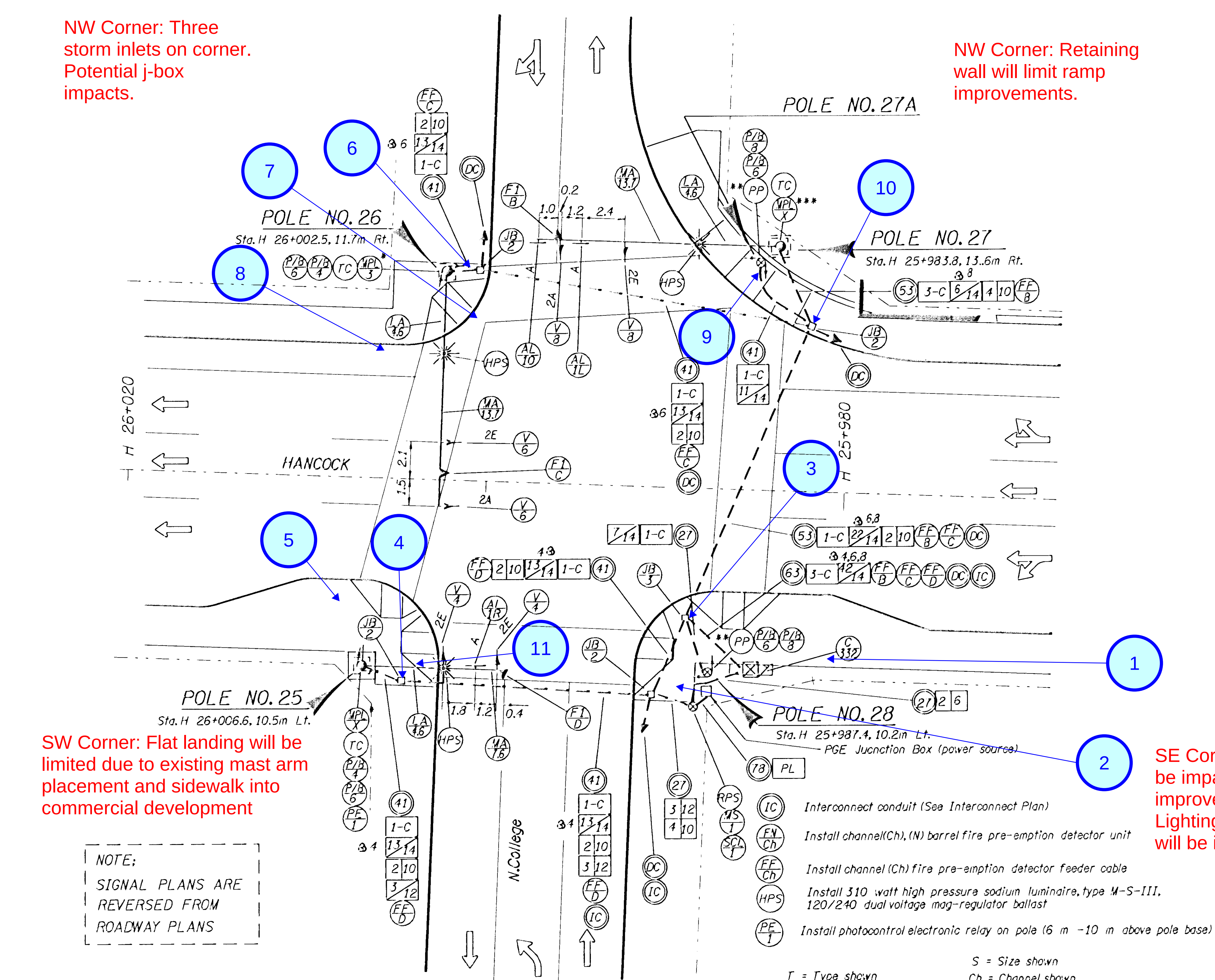
SIGNAL PLAN

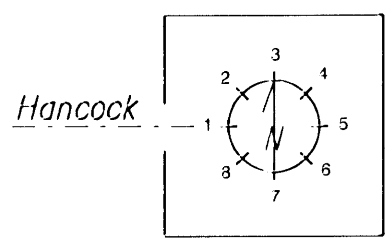
HANCOCK AT N. COLLEGE ST.

HWY. 1W MP. 23.45

METRIC

SCALE 0 5 10 20 METERS





POLE ENTRANCE CHART

Pole No.	25	26	27	27A	28
Luminare 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

L E G E N D

- C/332 — Install model 170 controller in model 332 cabinet with riser frame, orient front(louvered) door as shown
- MPL/T — Install type (T) standard traffic signal mast arm pole with luminaire pole extension (12..2 meter mounting ht.)
- 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/1R — Install aluminum (762 mm x 914 mm, type "W7") "ONE WAY" right arrow sign (Type A, Diamond grade sheeting)
- AL/1L — Install aluminum (762 mm x 914 mm, type "W7") "ONE WAY" left arrow sign (Type A, Diamond grade sheeting)
- AL/10 — Install aluminum (762 mm x 914 mm, type "W7") "LEFT TURN YIELD TO ONCOMING TRAFFIC" sign (OR17-1XType 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
- 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)
- FN/Ch — Install channel(Ch), (N) barrel fire pre-emption detector unit
- FF/Ch — Install channel (Ch) fire pre-emption detector feeder cable
- 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)

T = Type shown
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.
*** Special pole (sits on top of retaining wall) flat black pole, no base shoe.

	DATE	APPROVED	REVISION
Revised	4-02	SBC	Relocated Ped Equipment from Pole 27 to new Ped Pedestal 27A

REGISTERED PROFESSIONAL ENGINEER 50122 OREGON JULY 11, 2000 SCOTT B. CRAMER Expires Dec. 31, 2003

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 16-APR-2002
DESIGNED BY: H.Naegeli
CHECKED BY: T.Jenkins
DRAWN BY: H.Naegeli

A14 05602tr3.sg1

T.M.S. DWG. NO. 12272

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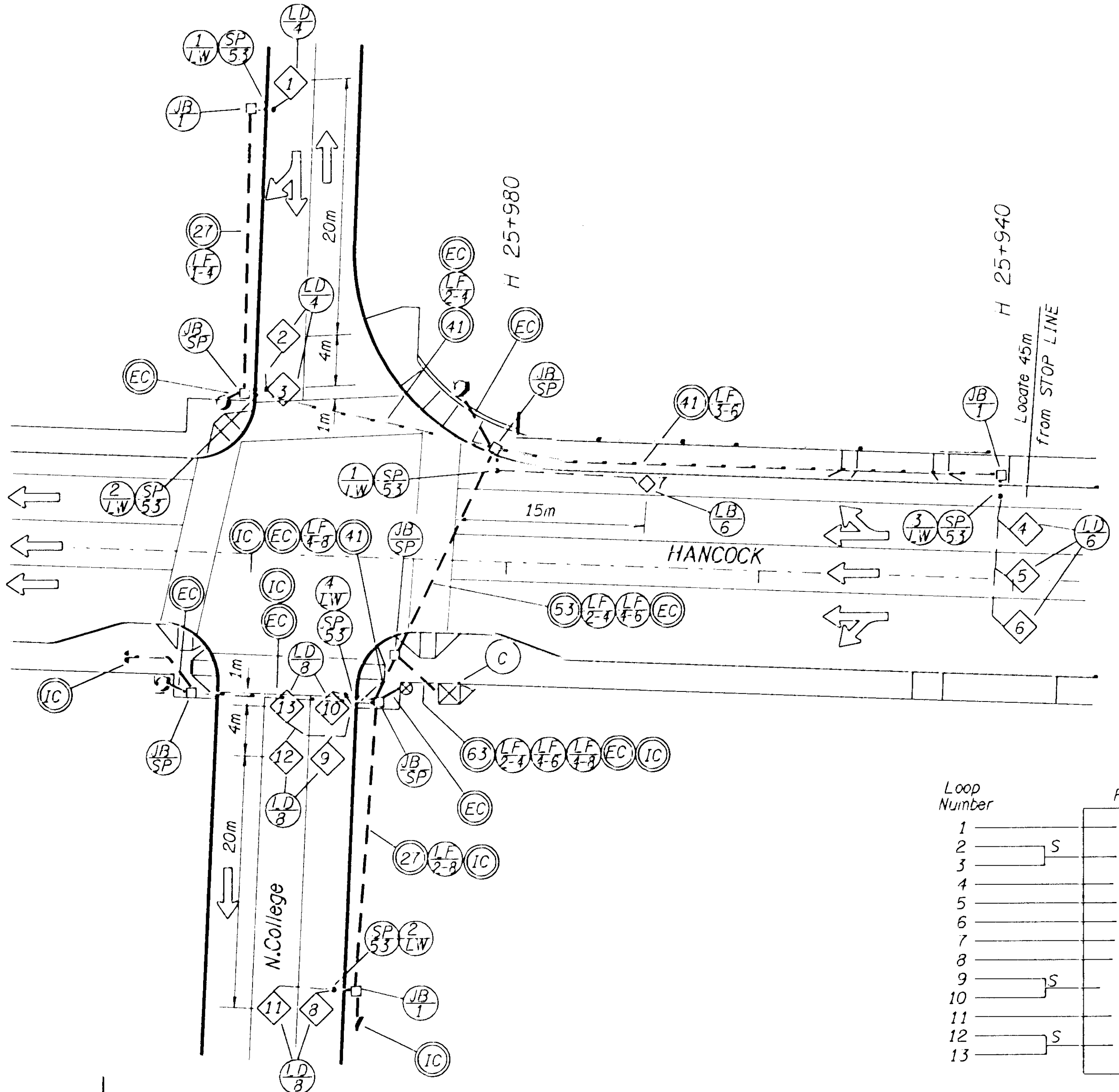
METRIC

DETECTOR PLAN
HANCOCK AT N.COLLEGE ST.
HWY. 1W MP. 23.45

SCALE 0 10 20 40 METERS



NOTE:
SIGNAL PLANS ARE REVERSED FROM ROADWAY PLANS

LEGEND

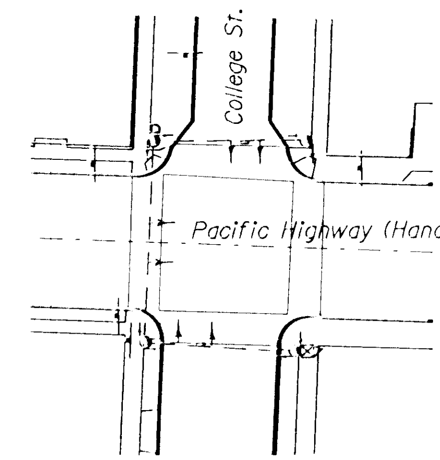
- (C) Controller (See Signal Plan)
- (JB/SP) Junction box (See Signal Plan)
- (JB/1) Install 440 mm x 265 mm x 305 mm (min. dimension) precast concrete junction box
- (SP/S) Install 150 mm max. sand pocket block-out with (S) mm conduit to junction box
- (LD/Ph) Install phase (Ph) 1.2 m diamond vehicle 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

Loop Number		Phase	Function	Slot	
1		4	E.C.CO	I6U	
2, 3	S	4	E.C	I6L	
4		6	E.C	J2U	
5		2(6)	E.C	I2U	Transfer to J2L
6		2(6)	E.C	I2L	Transfer to J2L
7		6	E.C	J3L	
8		8	E.C.CO	J6U	
9, 10	S	8	E.C	J7U	Controller Cabinet
11		8	E.C.CO	J6L	
12, 13	S	8	E.C	J7L	Transfer to J8U

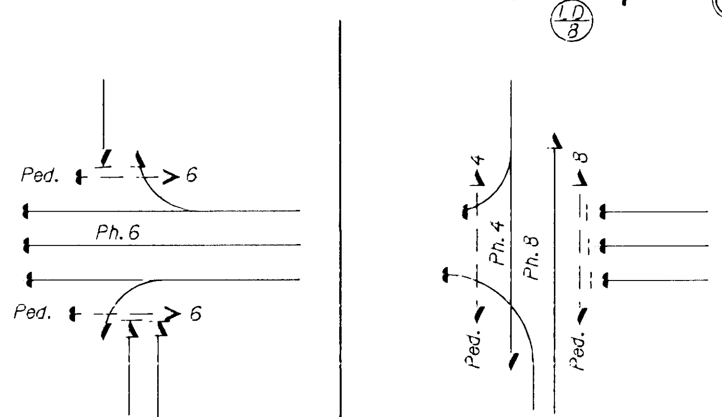
LOOP DETECTOR WIRING DIAGRAM

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



REMOVAL PLAN

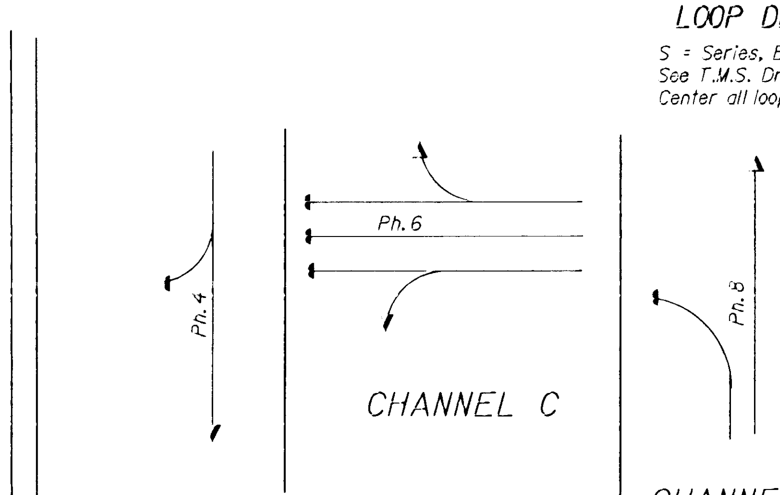
Remove entire existing Traffic Signal Installation and all appurtenances.



PHASE 6 PHASE 4 & 8

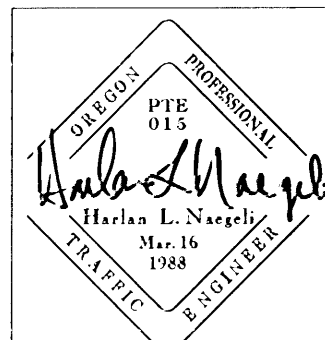
NOMAL PHASE ROTATION

(State furnished program)



CHANNEL B CHANNEL C CHANNEL D

FIRE PRE-EMPTION OPERATION



Exp. 12/31/2002

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TRAFFIC MANAGEMENT SECTION

TRAFFIC SIGNAL INSTALLATION
BRUTCHER ST. - EVEREST ST. &
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PACIFIC HIGHWAY WEST
YAMHILL COUNTY

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

B4 05602tr3.sg1

T.M.S. DWG. NO. 12273

VIEW=B4