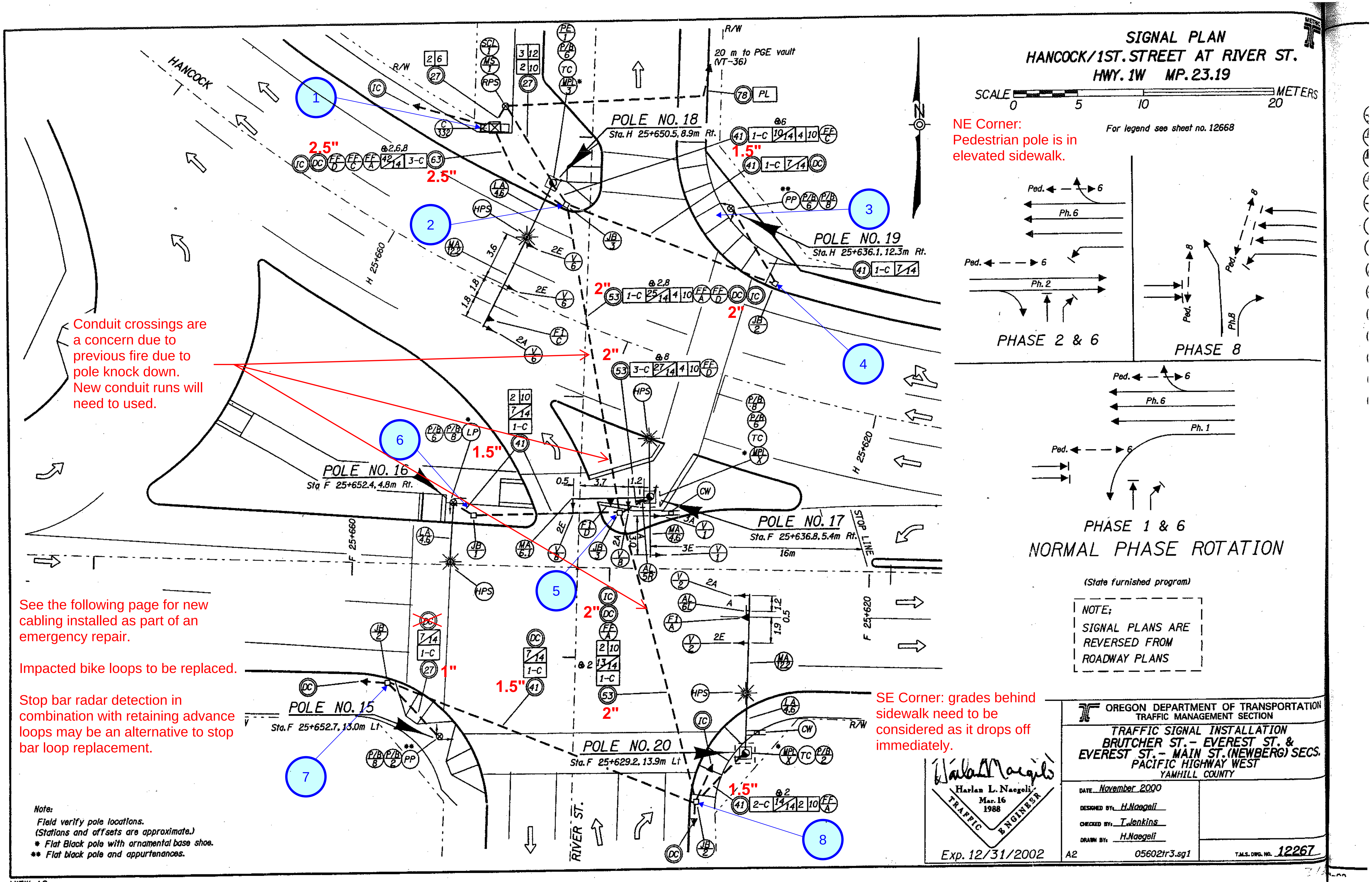


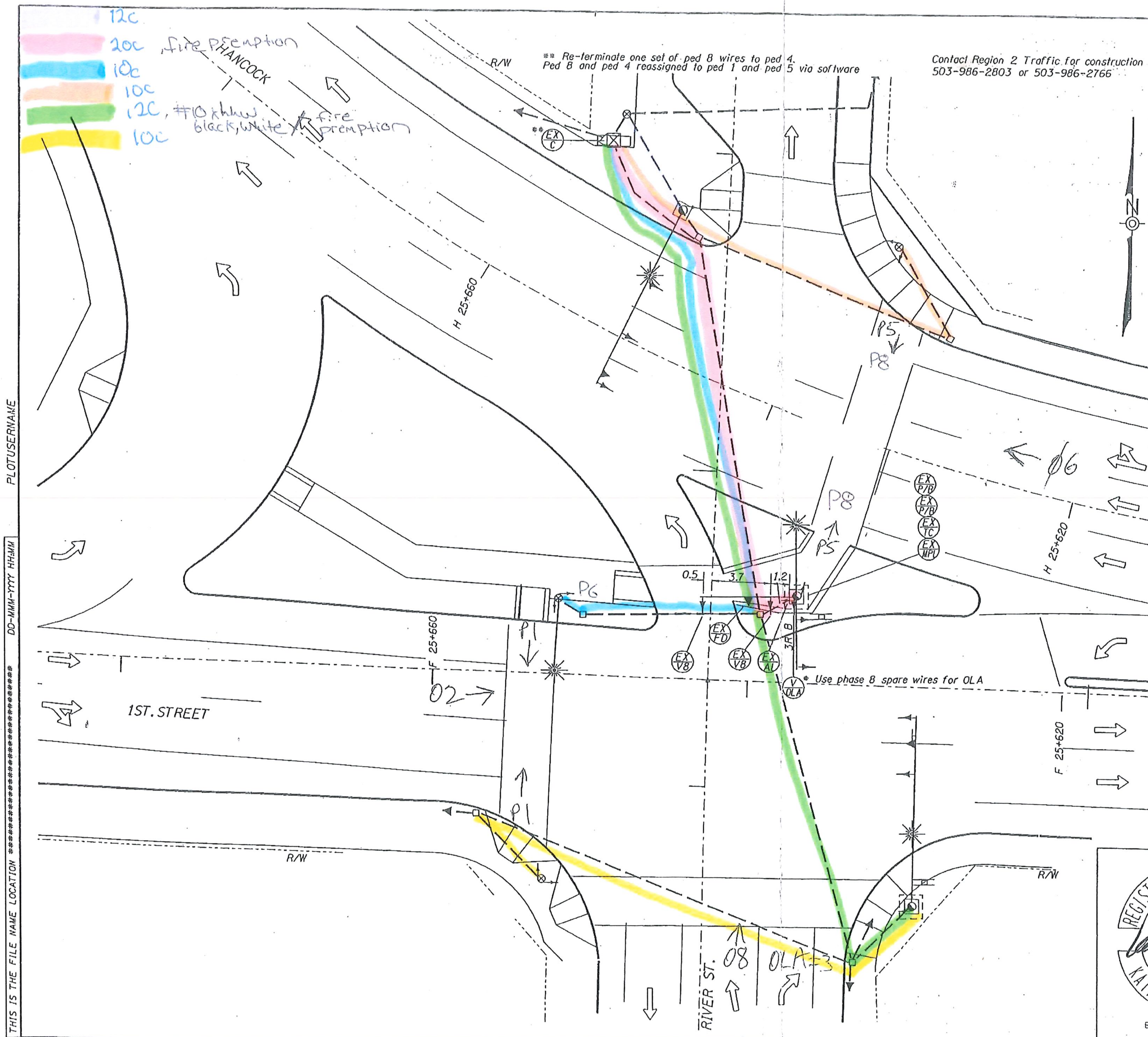
SIGNAL PLAN
HANCOCK/1ST. STREET AT RIVER ST.
HWY. 1W MP. 23.19
SCALE 0 5 10 20 METERS
For legend see sheet no. 12668
NE Corner:
Pedestrian pole is in
elevated sidewalk.
Conduit crossings are
a concern due to
previous fire due to
pole knock down.
New conduit runs will
need to used.
See the following page for new
cabling installed as part of an
emergency repair.
Impacted bike loops to be replaced.
Stop bar radar detection in
combination with retaining advance
loops may be an alternative to stop
bar loop replacement.
SE Corner: grades behind
sidewalk need to be
considered as it drops off
immediately.
HANCOCK
RIVER ST.
20 m to PGE vault (VT-36)
POLE NO. 18
Sta. H 25+650.5, 8.9m Rt.
POLE NO. 19
Sta. H 25+636.1, 12.3m Rt.
POLE NO. 16
Sta F 25+652.4, 4.8m Rt.
POLE NO. 17
Sta. F 25+636.8, 5.4m Rt.
POLE NO. 15
Sta. F 25+652.7, 13.0m Lt.
POLE NO. 20
Sta. F 25+629.2, 13.9m Lt.
STOP LINE
PHASE 2 & 6
PHASE 8
PHASE 1 & 6
NORMAL PHASE ROTATION
(State furnished program)
NOTE;
SIGNAL PLANS ARE
REVERSED FROM
ROADWAY PLANS
Note:
Field verify pole locations.
(Stations and offsets are approximate.)
* Flat Black pole with ornamental base shoe.
** Flat black pole and appurtenances.
Harlan L. Naegeli
Mar. 16 1988
TRAFFIC ENGINEER
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
A2 05602tr3.sg1
T.M.S. DWG. NO. 12267
VIEW=A2

SIGNAL MODIFICATION PLAN
HANCOCK/1ST. STREET AT RIVER ST.
HWY. 1W MP. 23.19

METRIC

SCALE 0 5 10 20 METERS

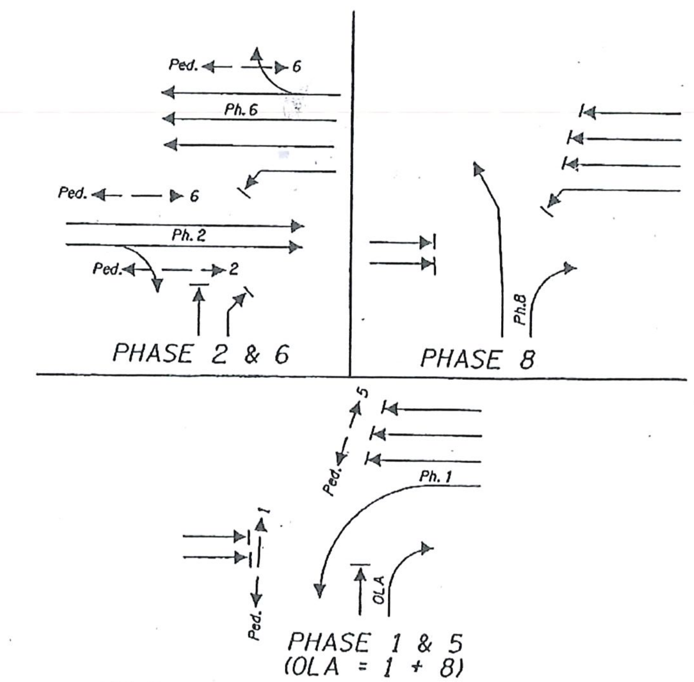
FOR INFORMATION ONLY
TMS DWG NO. 12267 & 12668



L E G E N D

- (EX C) Retain and protect existing Model 170 controller and Model 332 cabinet
- (EX MPL) Retain and protect existing traffic signal mast arm pole with luminaire pole extension
- (EX TC) Retain and protect existing terminal cabinet
- (EX VPh) Retain and protect existing phase (Ph=phase) vehicle signal
- (EX P/B) Retain and protect existing pedestrian signal, pushbutton and instructions
- (EX FD) Retain and protect existing fire preemption detector unit
- (EX AL) Retain and protect existing aluminium sign
- (V Ph) Install phase (Ph=phase) vehicle signal

3R = 305 mm RRTA, 305 mm YRTA, 305 mm GRTA
B = Adjustable signal bracket assembly w/ rain cap(s) (install 25 mm smooth hole w/ rubber grommet in lieu of tenon)



NORMAL PHASE ROTATION
(State furnished program)

REGISTERED PROFESSIONAL ENGINEER 59962
OREGON
JULY 13 2004
KATRYN L. JOHNSON
Exp. 6/30/2005

OREGON DEPARTMENT OF TRANSPORTATION
TRAFFIC MANAGEMENT SECTION

TRAFFIC SIGNAL INSTALLATION
STATE FORCE WORK
PACIFIC HIGHWAY WEST
YAMHILL COUNTY

DATE: 8-17-2004
DESIGNED BY: K. Johnson
CHECKED BY: C. Black
DRAWN BY: K. Johnson

ACCOMPANIED BY DWGS. TM406, TM407 TM421

2004_SFW_SAFETYOPS.DGN

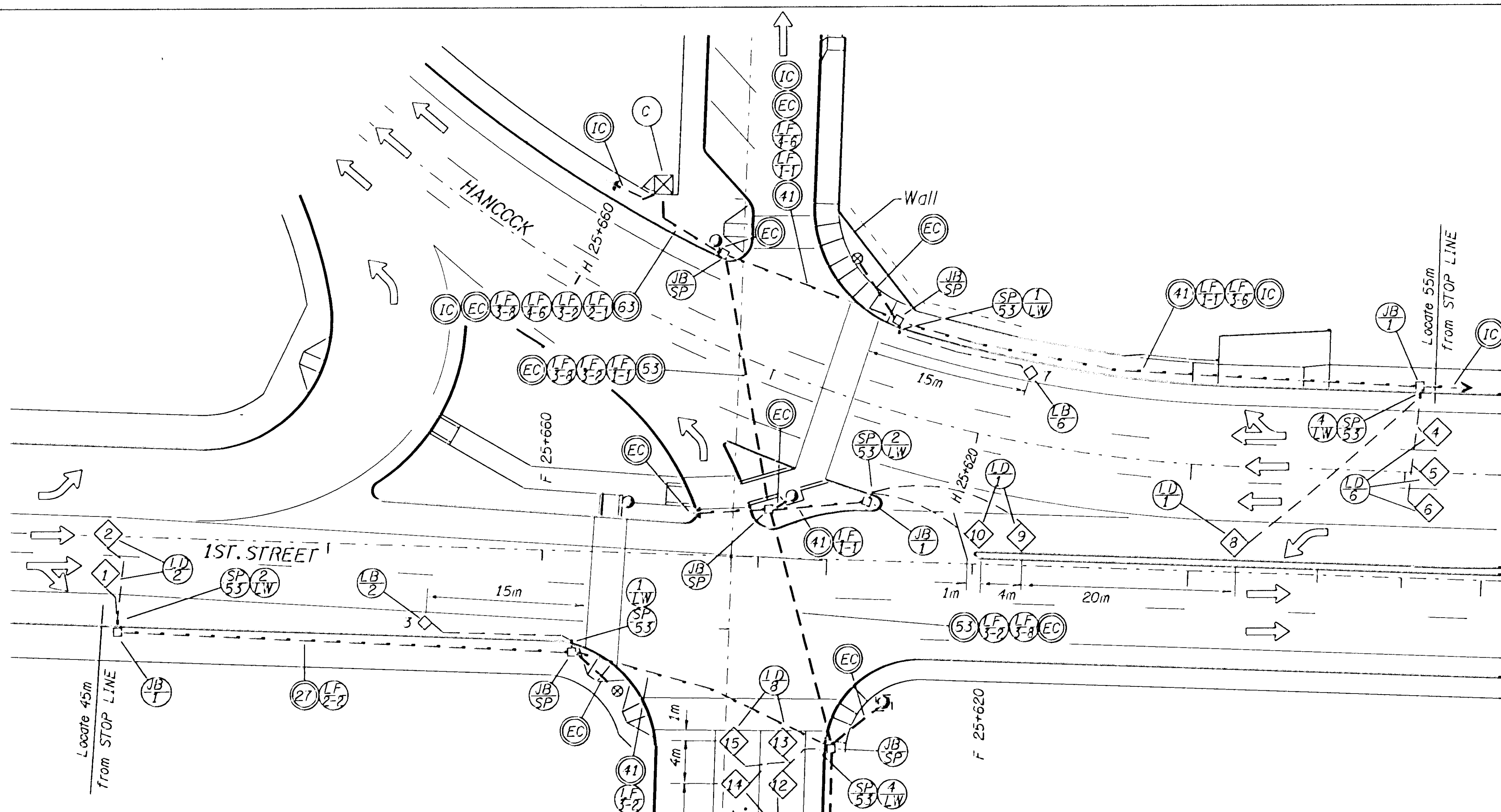
T.M.S. DWG. NO. 13578

12269

DETECTOR PLAN
HANCOCK/1ST. STREET AT RIVER ST.
HWY. 1W MP. 23.19

METRIC

SCALE 0 10 20 40 METERS



L E G E N D

- (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)

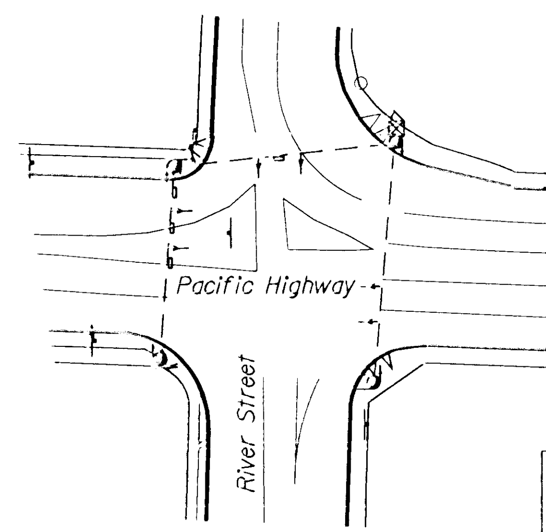
Ph = Phase shown
X = Number of cables shown
N = Number shown
S = Size shown

NOTE:
SIGNAL PLANS ARE REVERSED FROM ROADWAY PLANS

Loop Number	Phase	Function	Slot	
1	2	E,C	I2U	Controller Cabinet
2	2	E,C	I2L	
3	2	E,CO	I3L	
4	6	E,C	J2U	
5	4(6)	E,C	I6U	Transfer to J2L
6	4(6)	E,C	I6L	Transfer to J2L
7	6	E,CO	J3L	
8	1	E,C,CO	I1U	
9, 10 (S)	1	E,C	I9U	
11	8	E,C,CO	J6U	
12, 13 (S)	8	E,C	J7U	
14, 15 (S)	8	E,C	J7L	Transfer to J8

LOOP DETECTOR WIRING DIAGRAM

S = Series, E=Extension, C=Call, CO=Carry-over, D=Delay
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.

	DATE	APPROVED	REVISION
Revised	7-02	SBC	Relocated loop access point for loops 8,9, and 10.

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 17-JUL-2002
DESIGNED BY: H.Naegeli
CHECKED BY: T.Jenkins
DRAWN BY: H.Naegeli
FC: B15 05602tr3.sg1
T.M.S. DWG. NO. 12269

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VIEW=B15

SIGNAL LEGEND AND DETAILS
HANCOCK/1ST. STREET AT RIVER ST.
HWY. 1W MP. 23.19

METRIC

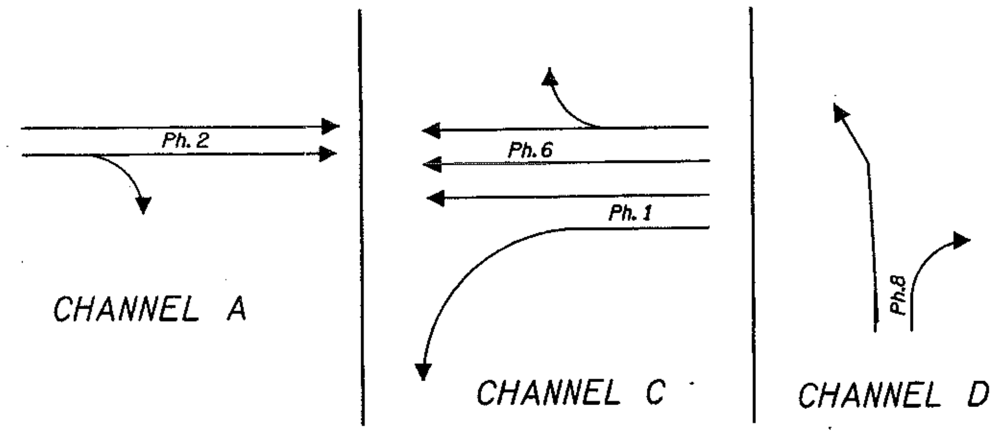
L E G E N D

- 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
- LP — Install luminaire pole (12.2 meter mounting ht.)
- 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/5R — Install aluminum (762 mm x 914 mm, type "W7") right arrow "ONLY" sign (Type A, Diamond grade sheeting)
- AL/6L — Install aluminum (762 mm x 914 mm, type "W7") "NO LEFT TURN" 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/1 — Install 440 mm x 265 mm x 305 mm (min. dimension) precast concrete junction box
- 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
- 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)
- 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)
- CW — Install crosswalk closure signs (both sides)

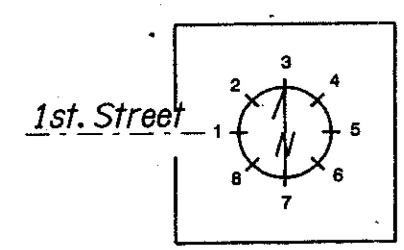
T = Type shown
L = Length shown
Ph = Phase shown

S = Size shown
Ch = Channel shown
A = Standard plumbizer
E = Elevator plumbizer

N = Number shown
G = AWG size shown
2 = 305 mm R, 305 mm Y, 305 mm G
3 = 305 mm RLTA, 305 mm YLTA, 305 mm GLTA

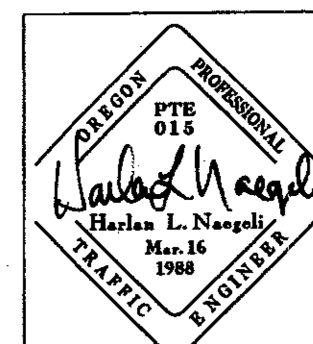


FIRE PRE-EMPTION OPERATION



POLE ENTRANCE CHART

Pole No.	15	16	17	18	19	20
Luminare Arm	–	7	3	7.5	–	3
Mast Arm	–	–	1	7.5	–	3
Terminal Cabinet	–	–	5	3.5	–	7
Pedestrian Signal Clam Shell	1/7	1/3	5.5 7	3	3 5.5	7



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

C2 05602tr3.sg1

T.M.S. DWG. NO. 12268

TERS
ORTATION
W
&
G) SECS.
12267