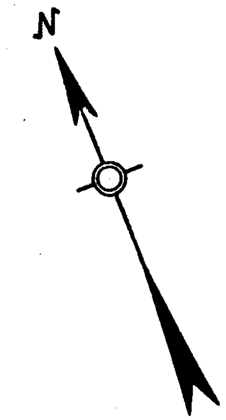
SIGNAL PLAN
CHURCH ST@ TRADE ST.

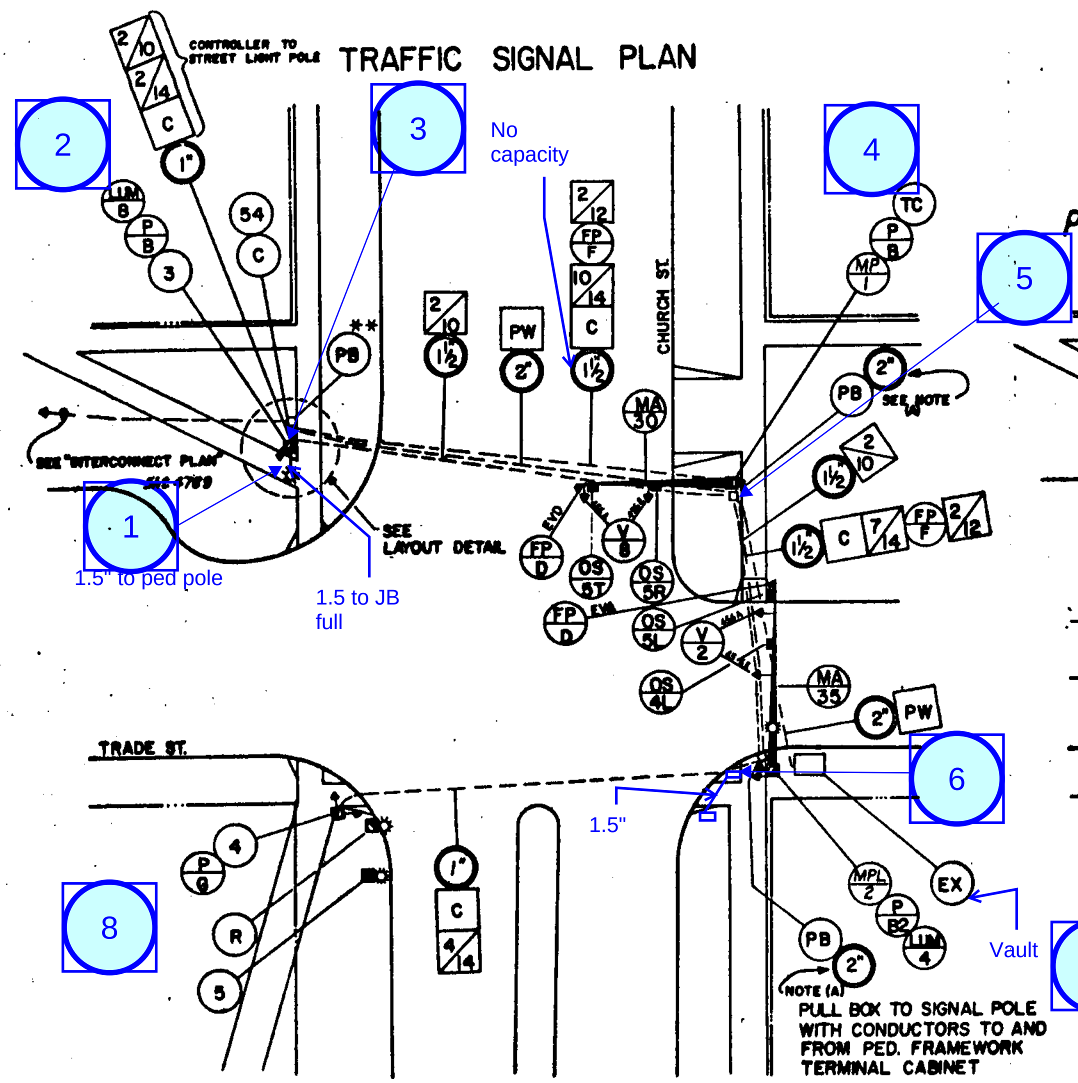
SCALE 0 20 40 60 FEET

Intersection: conduit capacity issues on north leg and into controller.

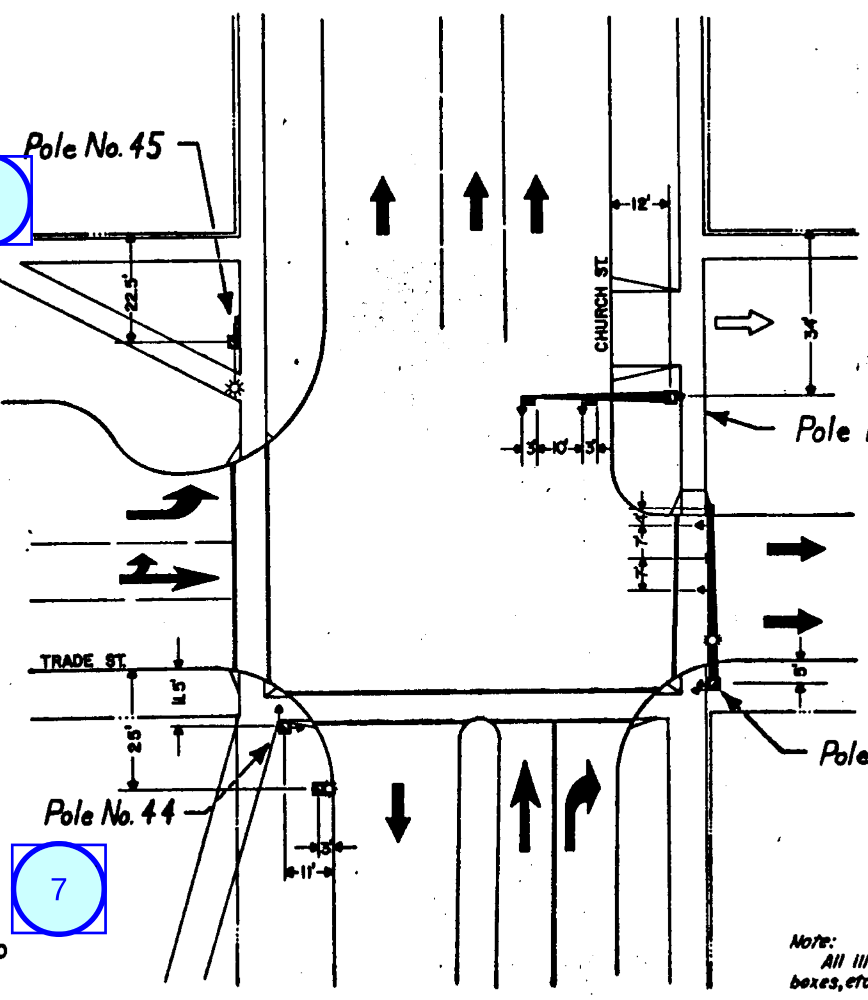
SE Corner: Utility vault near corner.



TRAFFIC SIGNAL PLAN

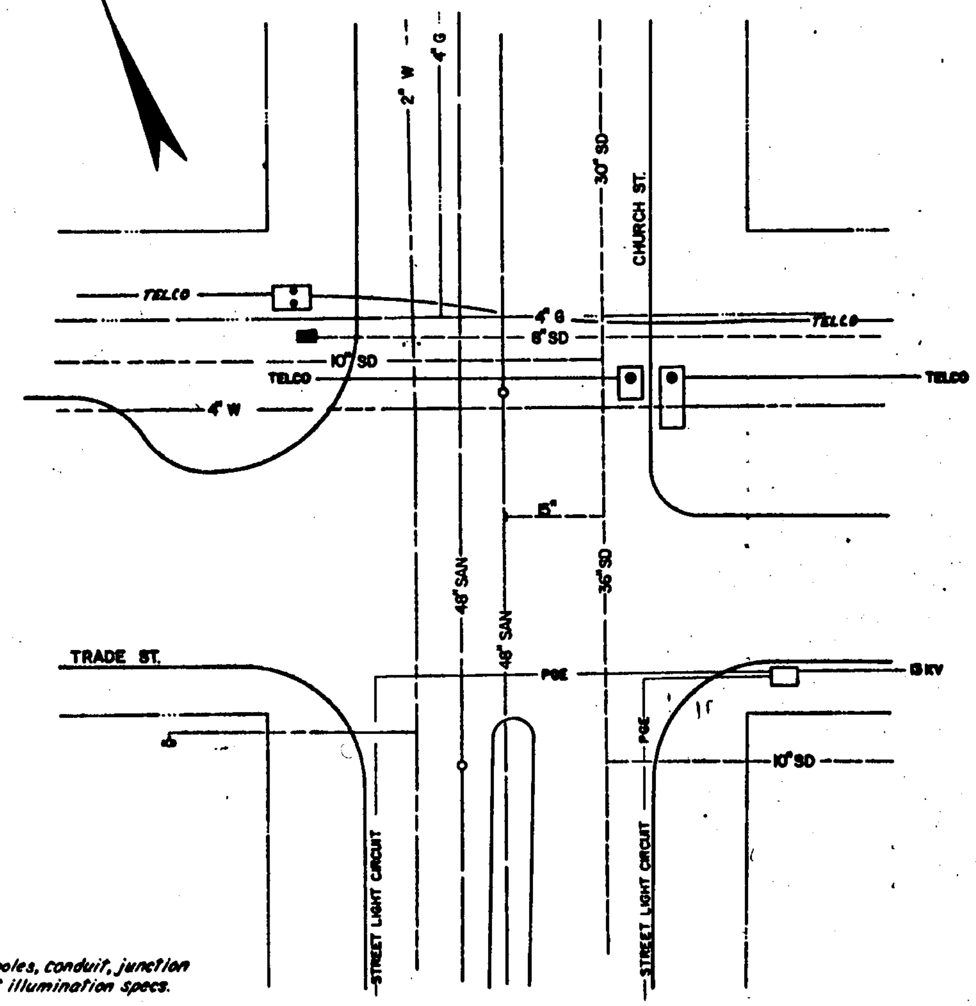


LOCATION OF BASES, HEADS & RAMPS



Note: All illumination poles, conduit, junction boxes, etc., shall meet illumination specs.

UTILITIES



** Also shown on Interconnect Plan.

LEGEND

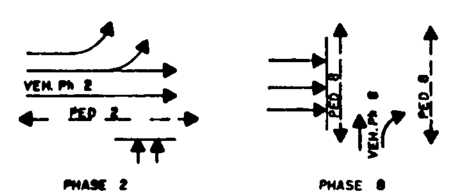
- (EX) EXISTING VAULT (120/240 VOLT POWER SOURCE)
- (54) INSTALL 120/240 VOLT UNMETERED, WEATHERPROOF SERVICE CABINET WITH 40 AMP, 120 VOLT, CIRCUIT BREAKER FOR SIGNAL CIRCUIT, 15 AMP, 240 VOLT, CIRCUIT BREAKER FOR LIGHTING CIRCUIT, AND 15 AMP 120 VOLT CIRCUIT BREAKER FOR SIGN CIRCUIT
- (C) INSTALL MODEL 170, TWO PHASE, TRAFFIC SIGNAL CONTROLLER IN TYPE 332 CABINET
- (MPL/T) INSTALL COMBINATION LUMINAIRE AND MAST ARM POLE [Type (T), 40 ft. mt. ht.]
- (MP/T) INSTALL MAST ARM POLE [Type (T)]
- (3) INSTALL LUMINAIRE POLE (40' mounting height)
- (4) INSTALL PEDESTRIAN SIGNAL POLE
- (5) REINSTALL RELOCATED LUMINAIRE
- (P/(T)) INSTALL TYPE (T) PEDESTRIAN SIGNAL HEADS
- (LUM/(L)) INSTALL (L) FOOT LUMINAIRE ARM
- (TC) INSTALL TERMINAL CABINET
- (PB) INSTALL 27 1/2" x 18" x 12" REINFORCED CONCRETE PULL BOX WITH SIDEWALK GASKETED GALVANIZED CAST IRON COVER, PLACE COVER FLUSH WITH SIDEWALK OR TOP OF CURB. "TRAFFIC SIGNAL" SHALL BE EMBOSSED ON COVER, COVER AND CONDUIT RUNS SHALL BE GROUNDED.
- (V/(PH)) INSTALL PHASE (PH) VEHICLE SIGNAL HEAD
- (OS/5T) INSTALL OVERHEAD INTERIOR ILLUMINATED THROUGH ARROW "ONLY" SIGN
- (OS/5L) INSTALL OVERHEAD INTERIOR ILLUMINATED LEFT-TURN ARROW "ONLY" SIGN
- (OS/4L) INSTALL OVERHEAD INTERIOR ILLUMINATED THROUGH AND LEFT TURN ARROW SIGN
- (FP/D) INSTALL EMERGENCY VEHICLE DETECTOR
- (MA/(L)) INSTALL (L) FOOT TRAFFIC SIGNAL MAST ARM
- (S) INSTALL (S) INCH ELECTRICAL CONDUIT
- [C] INSTALL ONE NO. 8 TYPE THW WIRE (SIGNAL CIRCUIT COMMON)
- [N/(G)] INSTALL (N) NO. (G) TYPE TW WIRES
- (FP/F) INSTALL EMERGENCY VEHICLE DETECTOR WIRE AS SPECIFIED BY MANUFACTURER (CONTINUOUS TO CONTROLLER, NO SPLICES)
- [PW] INSTALL NO. 9 GALVANIZED PULL WIRE
- (R) REMOVE LUMINAIRE AND RELOCATE AS SHOWN ON PLANS
- [6/P] INSTALL (N) TWISTED PAIR #16 AWG SHIELDED CONTROL CABLE, IMSA SPEC. 19-2

456 = 12" RED, 12" YELLOW, 12" GREEN

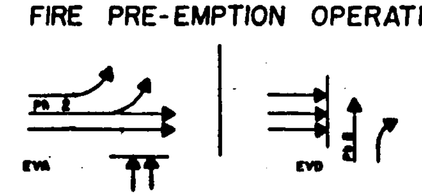
L = LENGTH SHOWN	S = SIZE SHOWN
T = TYPE SHOWN	N = NUMBER SHOWN
PH = PHASE SHOWN	G = GUAGE SHOWN

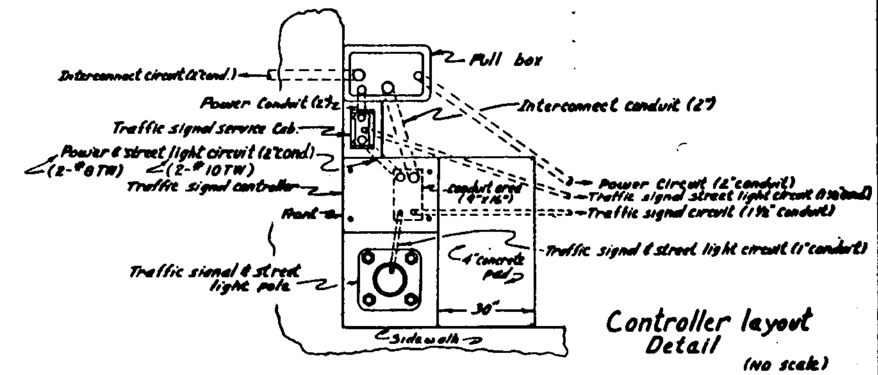
A = STANDARD PLUMBIZER
E = ELEVATOR PLUMBIZER

NORMAL OPERATING SEQUENCE



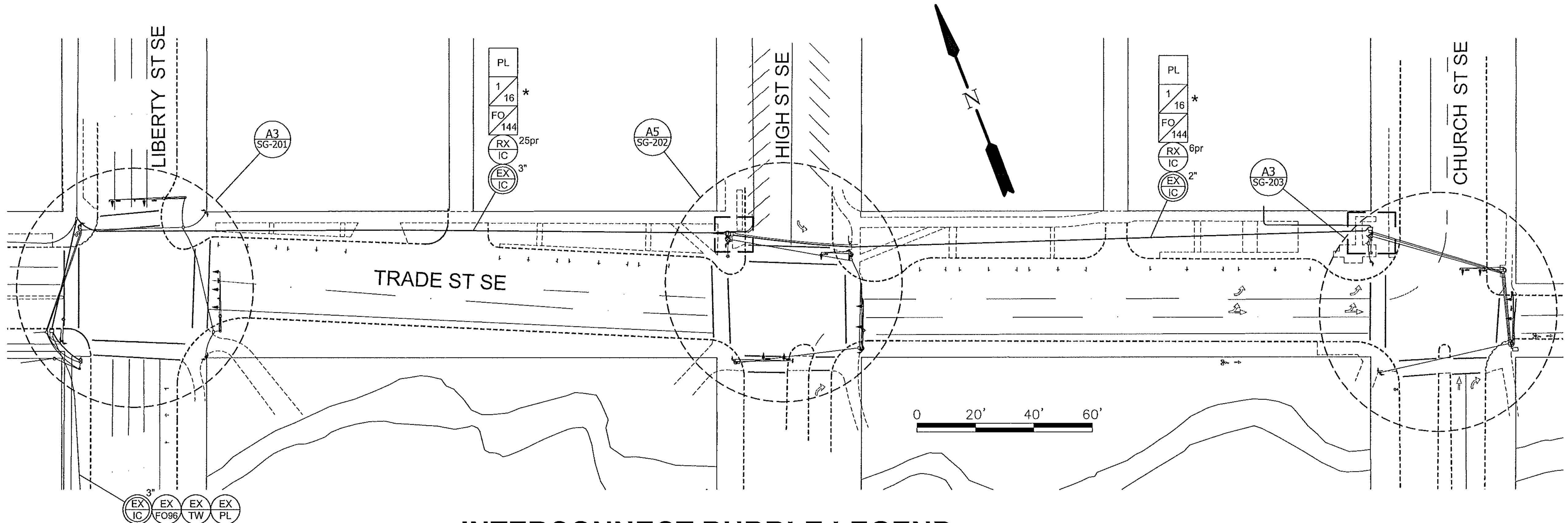
FIRE PRE-EMPTION OPERATION





Controller layout Detail (no scale)

APPROVED: [signature] TRAFFIC ENGINEER 4/14/80 DATE	OREGON STATE HIGHWAY DIVISION TRAFFIC ENGINEERING SECTION
DESIGNED BY: L. Carrison CHECKED BY: [initials]	TRAFFIC SIGNAL INSTALLATION DIVISION ST. N.E.-TRADE ST. S.E. (SALEM) SEC. FAU 1705 (FRONT ST.) MARION COUNTY
	DATE February 1980
	T.E. DWG. NO. 4771



INTERCONNECT BUBBLE LEGEND

CONTROLLERS

EX/C — MAINTAIN AND PROTECT EXISTING CONTROLLER.

POLES

EX/LP — MAINTAIN AND PROTECT EXISTING LUMINAIRE POLE.

EX/PP — MAINTAIN AND PROTECT EXISTING PEDESTRIAN SIGNAL PEDESTAL.

CABINETS

EX/SC — MAINTAIN AND PROTECT EXISTING SERVICE CABINET.

JUNCTION BOXES

EX/JB — MAINTAIN AND PROTECT EXISTING JUNCTION BOX.

RX/JB — REMOVE EXISTING JUNCTION BOX.

JB/2 — INSTALL 25"x15-1/2"x18" HD POLYMER CONCRETE JUNCTION BOX WITH HD COVER. LABEL COVER "TRAFFIC SIGNAL"

CONDUITS

EX/EC — MAINTAIN AND PROTECT EXISTING ELECTRICAL CONDUIT.

EX/IC (S) — MAINTAIN AND PROTECT EXISTING (S) INCH INTERCONNECT CONDUIT.

RX/IC — REMOVE EXISTING INTERCONNECT CONDUIT.

S — INSTALL (S) INCH ELECTRICAL CONDUIT.

CJ — SPLICE NEW ELECTRICAL CONDUIT TO EXISTING ELECTRICAL CONDUIT.

WIRES

EX/W — MAINTAIN AND PROTECT EXISTING WIRING.

EX/TW — MAINTAIN AND PROTECT EXISTING TRACER WIRE.

EX/PL — MAINTAIN AND PROTECT EXISTING PULL LINE.

N/G — INSTALL (N) NO. (G) TYPE THWN WIRES.

INTERCONNECT AND FIBER OPTICS

EX/FO N — MAINTAIN AND PROTECT EXISTING (N) STRAND FIBER OPTIC CABLE.

EX/SPC — MAINTAIN AND PROTECT EXISTING FIBER OPTIC SPLICE CLOSURE.

EX/SV — MAINTAIN AND PROTECT EXISTING FIBER OPTIC SPLICE VAULT.

EX/HH — MAINTAIN AND PROTECT EXISTING FIBER OPTIC HAND HOLE BOX.

EX/IC (N) — MAINTAIN AND PROTECT EXISTING (N) TWISTED PAIR COPPER INTERCONNECT CABLE(S).

EX/DM24 — MAINTAIN AND PROTECT EXISTING DISTRIBUTION MODULE WITH 24 LC CONNECTORS.

RX/IC (N) — REMOVE EXISTING (N) TWISTED PAIR COPPER INTERCONNECT CABLE.

RR/IC (N) — REMOVE AND RELOCATE EXISTING (N) TWISTED PAIR COPPER INTERCONNECT CABLE(S).

RI/IC (N) — REINSTALL EXISTING (N) TWISTED PAIR COPPER INTERCONNECT CABLE(S).

DMX/N — INSTALL (X) FIBER DISTRIBUTION MODULE(S) WITH (N) LC CONNECTORS EACH. (SEE SPECIAL PROVISIONS)

DM-X/N — INSTALL (X) FIBER DISTRIBUTION MODULE MTP (N) STRAND CABLE(S).

FO/N — INSTALL FIBER OPTIC CABLE WITH (N) STRANDS SINGLE MODE.

PL — INSTALL POLY PULL LINE (500 LB TENSILE STRENGTH).

SPC — INSTALL FIBER OPTIC SPLICE CLOSURE. COIL A MINIMUM OF 50' OF EACH FIBER OPTIC TRUNK LINE AND 40' OF EACH 12 OR 24 FIBER MTP SPUR LINE IN SPLICE VAULT. (SEE LOGICAL DIAGRAM FOR SPLICES)

SV/FOA — INSTALL 37 5/8" x 26" x 24" HD POLYMER CONCRETE FIBER OPTIC SPLICE VAULT WITH HD COVER AND CONCRETE APRON. SEE DETAIL SHEET AND SPECIAL PROVISIONS.

HH/FOA — INSTALL 32 1/4" x 19 1/4" x 24" HD POLYMER CONCRETE FIBER OPTIC HAND HOLE BOX WITH HD COVER AND CONCRETE APRON. SEE DETAIL SHEET AND SPECIAL PROVISIONS.

ABBREVIATIONS

G = AWG SIZE SHOWN
L = LENGTH SHOWN
N = NUMBER SHOWN
S = SIZE SHOWN
T = TYPE SHOWN
X = QUANTITY SHOWN

* = INSTALL NO. 16 TYPE THWN TRACER WIRE PER ODOT SPECIFICATIONS. INSTALL EACH LOCATE WIRE CONTINUOUS FROM CONTROLLER CABINET TO CONTROLLER CABINET.

INTERCONNECT NOTES:

1. ALL SPLICE VAULTS, HAND HOLES, AND JUNCTION BOXES SHALL HAVE CONCRETE APRONS OR BE PLACED IN SIDEWALK AREA AND SURROUNDED BY CONCRETE.

2. CONTRACTOR IS RESPONSIBLE FOR LOCATING AND UNCOVERING, IF BURIED, EXISTING JUNCTION BOXES. ACTUAL LOCATION OF EXISTING JUNCTION BOXES MAY VARY FROM THAT SHOWN ON THESE PLANS.

G:\Group\transprt\DRAWINGS\IT Fiber Optics\IT 96fo IC - Trade St.dwg 9/21/2012 2:04 PM

CITY OF Salem AT YOUR SERVICE

ENGINEERING DIVISION
SALEM PUBLIC WORKS DEPARTMENT

AS-BUILT

"THIS AS-CONSTRUCTED DRAWING WAS PREPARED UNDER MY SUPERVISION FROM DATA COLLECTED UNDER MY SUPERVISION AND REPRESENTS, TO MY KNOWLEDGE, THE BEST INFORMATION REGARDING MATERIALS AND DIMENSIONS INCLUDED IN THE AS-CONSTRUCTED PROJECT. THE CITY OF SALEM DOES NOT GUARANTEE THE ACCURACY OF THIS AS-CONSTRUCTED DRAWING."

Terry L. Hockett P.E.
Date: 5-1-2013

SEALED
ORIGINALS SEALED BY:
TERRY L. HOCKETT
REG#: 17,637
DATE SIGNED: 5-1-2013
CERTIFICATE EXPIRED: 6-30-2013

SALEM IT FIBER OPTIC INTERCONNECT PROJECT

REVISIONS

NO.	DESCRIPTION	DATE	BY

BY CITY FORCES

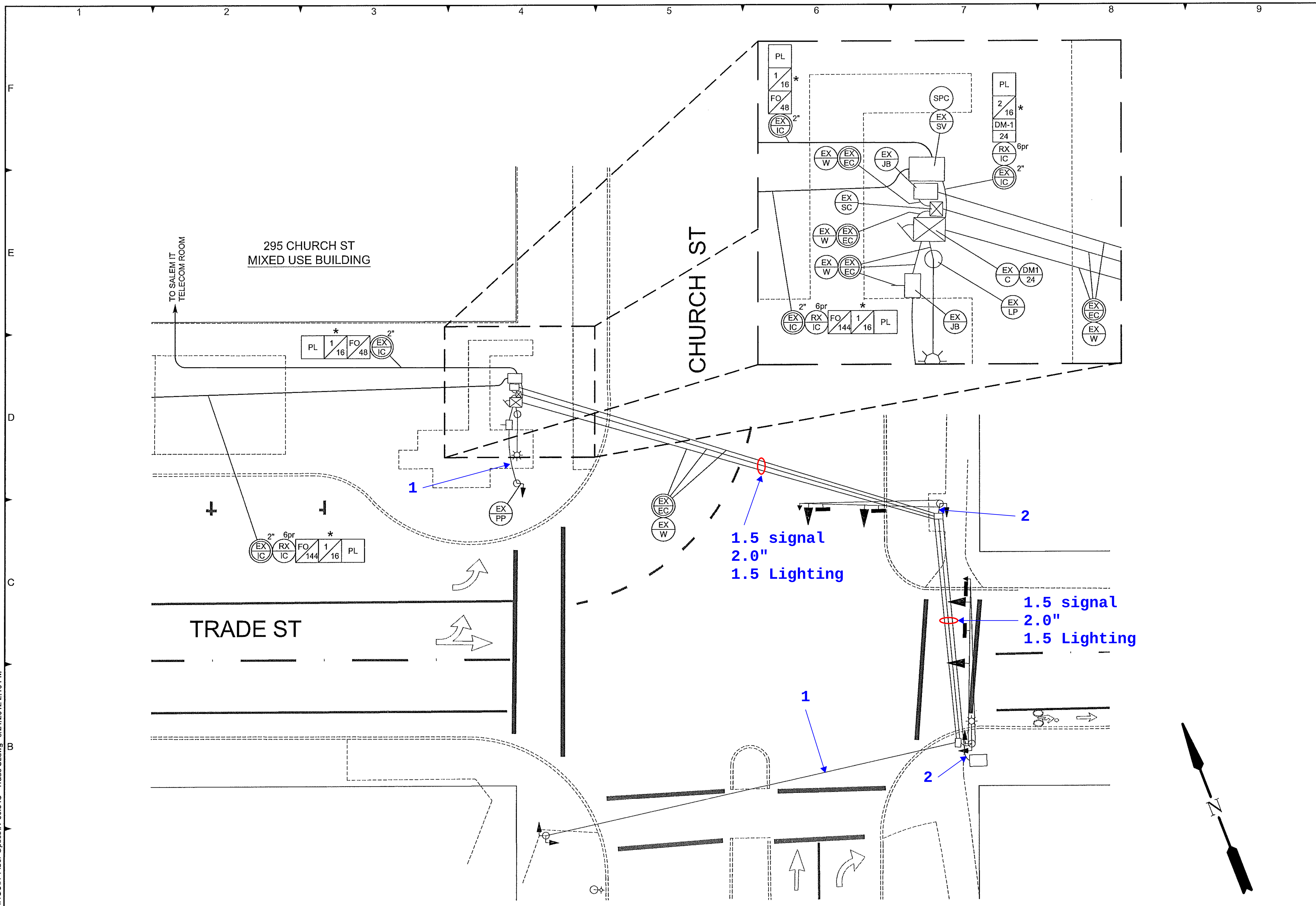
HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	TLH
DRAWN:	DTN
CHECKED:	
APPROVED:	

SHEET TITLE

INTERCONNECT PLAN

SG-101

SHEET 1 OF 6



A3 CHURCH STREET NE AT TRADE STREET NE

G:\Group\transprt\DRAWINGS\IT Fiber Optics\IT 96fo IC - Trade St.dwg 9/21/2012 2:10 PM

CITY OF Salem AT YOUR SERVICE

ENGINEERING DIVISION
SALEM PUBLIC WORKS DEPARTMENT

AS-BUILT

"THIS AS-CONSTRUCTED DRAWING WAS PREPARED UNDER MY SUPERVISION FROM DATA COLLECTED UNDER MY SUPERVISION AND REPRESENTS, TO MY KNOWLEDGE, THE BEST INFORMATION REGARDING MATERIALS AND DIMENSIONS INCLUDED IN THE AS-CONSTRUCTED PROJECT. THE CITY OF SALEM DOES NOT GUARANTEE THE ACCURACY OF THIS AS-CONSTRUCTED DRAWING."

Terry L. Hockett P.E.
Date: 5-1-2013

SEALED
ORIGINALS SEALED BY:
TERRY L. HOCKETT
REG#: 17,637
DATE SIGNED: 5-1-2013
CERTIFICATE EXPIRED: 6-30-2013

SALEM IT FIBER OPTIC INTERCONNECT PROJECT

REVISIONS

NO.	DESCRIPTION	DATE	BY

BY CITY FORCES

HORIZ DATUM:	NAD 83-SPCS
VERT DATUM:	NGVD 1929(47)
HORIZ SCALE:	AS SHOWN
VERT SCALE:	AS SHOWN
DESIGN:	TLH
DRAWN:	DTN
CHECKED:	
APPROVED:	

SHEET TITLE

INTERSECTION ENLARGEMENT

LIBERTY ST/TRADE ST

SG-203

SHEET 4 OF 6