VT STATE PLANE GRID

COMMON EXCAVATION
STA. 207+47.13, LT - STA. 207+52.13, LT
STA. 207+46.09, RT - STA. 207+53.56, RT
STA. 208+07.55, RT - STA. 208+12.86, RT
STA. 208+30.15, RT - STA. 208+43.82, RT
STA. 208+65.47, RT - STA. 208+76.81, RT

DENSE GRADED CRUSHED STONE
STA. 207+47.13, LT - STA. 207+52.13, LT
STA. 207+46.09, RT - STA. 207+53.56, RT
STA. 208+07.55, RT - STA. 208+12.86, RT
STA. 208+30.15, RT - STA. 208+43.82, RT
STA. 208+65.47, RT - STA. 208+76.81, RT

PORTLAND CEMENT CONCRETE SIDEWALK - 5 INCH
STA. 207+47.13, LT - STA. 207+52.13, LT
STA. 207+46.09, RT - STA. 207+53.56, RT
STA. 207+07.55, RT - STA. 208+12.86, RT
STA. 208+30.15, RT - STA. 208+43.82, RT
STA. 208+65.47, RT - STA. 208+76.81, RT

DETECTABLE WARNING SURFACE
STA. 207+49.61, LT
STA. 207+50.32, RT
STA. 208+07.55, RT
STA. 208+12.86, RT
STA. 208+30.15, RT
STA. 208+40.29, RT
STA. 208+70.13, RT

SEED
AS NEEDED

FERTILIZER
AS NEEDED

AGRICULTURAL LIMESTONE
AS NEEDED

TOPSOIL
AS NEEDED

TEMPORARY EROSION MATTING
AS NEEDED

24 INCH STOP BAR, WATERBORNE PAINT
STA. 207+27.74, RT (35.5 LF)
STA. 207+89.60, LT (24.5 LF)
STA. 208+20.80, RT (12.0 LF)
STA. 208+45.01, LT (37.0 LF)
~~STA. 208+44.87, RT~~
NOT DONE - EXISTING CONDITION IS A YIELD

CROSSWALK MARKING, WATERBORNE PAINT
STA. 207+49.53, LT - STA. 207+50.74, RT (80.5 LF)
STA. 207+55.18, RT - STA. 208+06.87, RT (57.0 LF)
STA. 208+14.76, RT - STA. 208+27.75, RT (17.5 LF)
STA. 208+44.02, RT - STA. 208+67.74, RT (26.5 LF)

TRAFFIC SIGNS, TYPE A
STA. 207+25.00, LT (MA-8)(LEFT TURN YIELD ON FLASHING)
STA. 208+61.00, RT (MA-6)(LEFT TURN YIELD ON FLASHING)

WIRED CONDUIT (2")(SCH 80)
SEE CONDUIT SCHEDULE, TRAFFIC SIGNAL LAYOUT SHEET 10B

ELECTRICAL CONDUIT (2")(SCH 80)
SEE CONDUIT SCHEDULE, TRAFFIC SIGNAL LAYOUT SHEET 10B

BRACKET ARM
STA. 208+61, RT (15')(SL-4)

LUMINAIRE
STA. 208+61.00, RT (SL-4)

STREET LIGHT CONTROL DEVICE
STA. 208+99.20, RT

SPECIAL PROVISION (JUNCTION BOX, HEAVY DUTY)
STA. 208+73.31, RT (JB-16)
STA. 208+81.16, LT (JB-17)
STA. 207+41.12, LT (JB-18)
STA. 208+56.49, RT (JB-19)
STA. 207+51.50, RT (JB-20)

SPECIAL PROVISION (HORIZONAL DIRECTIONAL DRILLING)(12" CASING PIPE)
STA. 208+73.31, RT - STA. 208+81.16, LT ~~(76')~~ (81 LF)
STA. 207+41.12, LT - STA. 208+81.16, LT ~~(92')~~ (117 LF)
~~STA. 207+51.50, RT - STA. 208+56.49, RT (89')~~ (99 LF) - 208+47 RT TO 207+48 RT

SPECIAL PROVISION (LUMINAIRE, RETROFIT LED)
STA. 206+96.70, RT
STA. 208+89.34, LT

TRAFFIC CONTROL SIGNAL SYSTEM, INTERSECTION(VT ROUTE 15 & BILLIE BUTLER DRIVE)
SEE LIST OF MAJOR EQUIPMENT, TRAFFIC SIGNAL LAYOUT SHEET 8B

CONSTRUCT MAST ARM POLES
STA. 208+61.00, RT (MAP-6)
STA. 208+63.42, LT (MAP-7)
STA. 207+25.00, LT (MAP-8)
STA. 207+57.00, RT (MAP-9)

CONSTRUCT CONTROLLER CABINET (GROUND MOUNTED)
STA. 208+87.83, RT

CONSTRUCT POWER STANCHION
STA. 208+99.20, RT

CONSTRUCT PEDESTRIAN PEDESTAL POLE
STA. 208+78.25, RT (PP-15)
STA. 207+52.15, RT (PP-16)
STA. 207+43.71, RT (PP-17)
STA. 207+46.00, LT (PP-18)

CONSTRUCT PEDESTRIAN SIGNAL HEADS
STA. 208+78.25, RT
STA. 207+52.15, RT
STA. 207+43.71, RT
STA. 207+46.00, LT

CONSTRUCT LED BLANK OUT SIGN
STA. 208+61.00, RT (MA-6)
STA. 207+57.00, RT (MA-9)

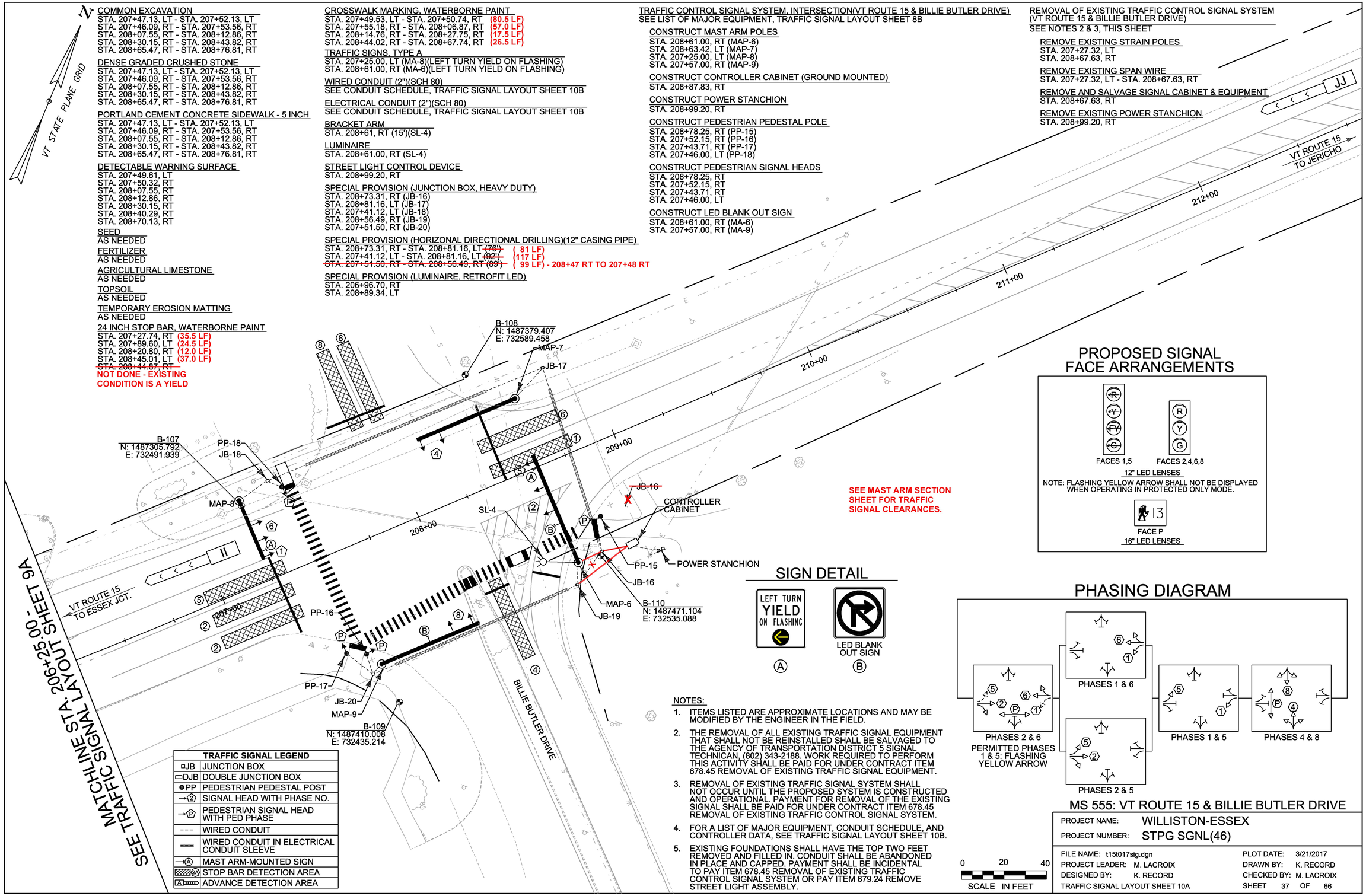
REMOVAL OF EXISTING TRAFFIC CONTROL SIGNAL SYSTEM (VT ROUTE 15 & BILLIE BUTLER DRIVE)
SEE NOTES 2 & 3, THIS SHEET

REMOVE EXISTING STRAIN POLES
STA. 207+27.32, LT
STA. 208+67.63, RT

REMOVE EXISTING SPAN WIRE
STA. 207+27.32, LT - STA. 208+67.63, RT

REMOVE AND SALVAGE SIGNAL CABINET & EQUIPMENT
STA. 208+67.63, RT

REMOVE EXISTING POWER STANCHION
STA. 208+99.20, RT



SEE MAST ARM SECTION SHEET FOR TRAFFIC SIGNAL CLEARANCES.

TRAFFIC SIGNAL LEGEND	
JB	JUNCTION BOX
DJB	DOUBLE JUNCTION BOX
PP	PEDESTRIAN PEDESTAL POST
2	SIGNAL HEAD WITH PHASE NO.
P	PEDESTRIAN SIGNAL HEAD WITH PED PHASE
---	WIRED CONDUIT
	WIRED CONDUIT IN ELECTRICAL CONDUIT SLEEVE
A	MAST ARM-MOUNTED SIGN
2A	STOP BAR DETECTION AREA
A	ADVANCE DETECTION AREA

SIGN DETAIL

(A)

LED BLANK OUT SIGN
(B)

NOTES:
1. ITEMS LISTED ARE APPROXIMATE LOCATIONS AND MAY BE MODIFIED BY THE ENGINEER IN THE FIELD.
2. THE REMOVAL OF ALL EXISTING TRAFFIC SIGNAL EQUIPMENT THAT SHALL NOT BE REINSTALLED SHALL BE SALVAGED TO THE AGENCY OF TRANSPORTATION DISTRICT 5 SIGNAL TECHNICAN, (802) 343-2188. WORK REQUIRED TO PERFORM THIS ACTIVITY SHALL BE PAID FOR UNDER CONTRACT ITEM 678.45 REMOVAL OF EXISTING TRAFFIC SIGNAL EQUIPMENT.
3. REMOVAL OF EXISTING TRAFFIC SIGNAL SYSTEM SHALL NOT OCCUR UNTIL THE PROPOSED SYSTEM IS CONSTRUCTED AND OPERATIONAL. PAYMENT FOR REMOVAL OF THE EXISTING SIGNAL SHALL BE PAID FOR UNDER CONTRACT ITEM 678.45 REMOVAL OF EXISTING TRAFFIC CONTROL SIGNAL SYSTEM.
4. FOR A LIST OF MAJOR EQUIPMENT, CONDUIT SCHEDULE, AND CONTROLLER DATA, SEE TRAFFIC SIGNAL LAYOUT SHEET 10B.
5. EXISTING FOUNDATIONS SHALL HAVE THE TOP TWO FEET REMOVED AND FILLED IN. CONDUIT SHALL BE ABANDONED IN PLACE AND CAPPED. PAYMENT SHALL BE INCIDENTAL TO PAY ITEM 678.45 REMOVAL OF EXISTING TRAFFIC CONTROL SIGNAL SYSTEM OR PAY ITEM 679.24 REMOVE STREET LIGHT ASSEMBLY.

PROPOSED SIGNAL FACE ARRANGEMENTS

FACES 1,5

FACES 2,4,6,8

12" LED LENSES

NOTE: FLASHING YELLOW ARROW SHALL NOT BE DISPLAYED WHEN OPERATING IN PROTECTED ONLY MODE.

FACE P

16" LED LENSES

PHASING DIAGRAM

0 20 40
SCALE IN FEET

MS 555: VT ROUTE 15 & BILLIE BUTLER DRIVE

PROJECT NAME: WILLISTON-ESSEX
PROJECT NUMBER: STPG SGNL(46)

FILE NAME: t15t017sig.dgn
PROJECT LEADER: M. LACROIX
DESIGNED BY: K. RECORD
TRAFFIC SIGNAL LAYOUT SHEET 10A

PLOT DATE: 3/21/2017
DRAWN BY: K. RECORD
CHECKED BY: M. LACROIX
SHEET 37 OF 66