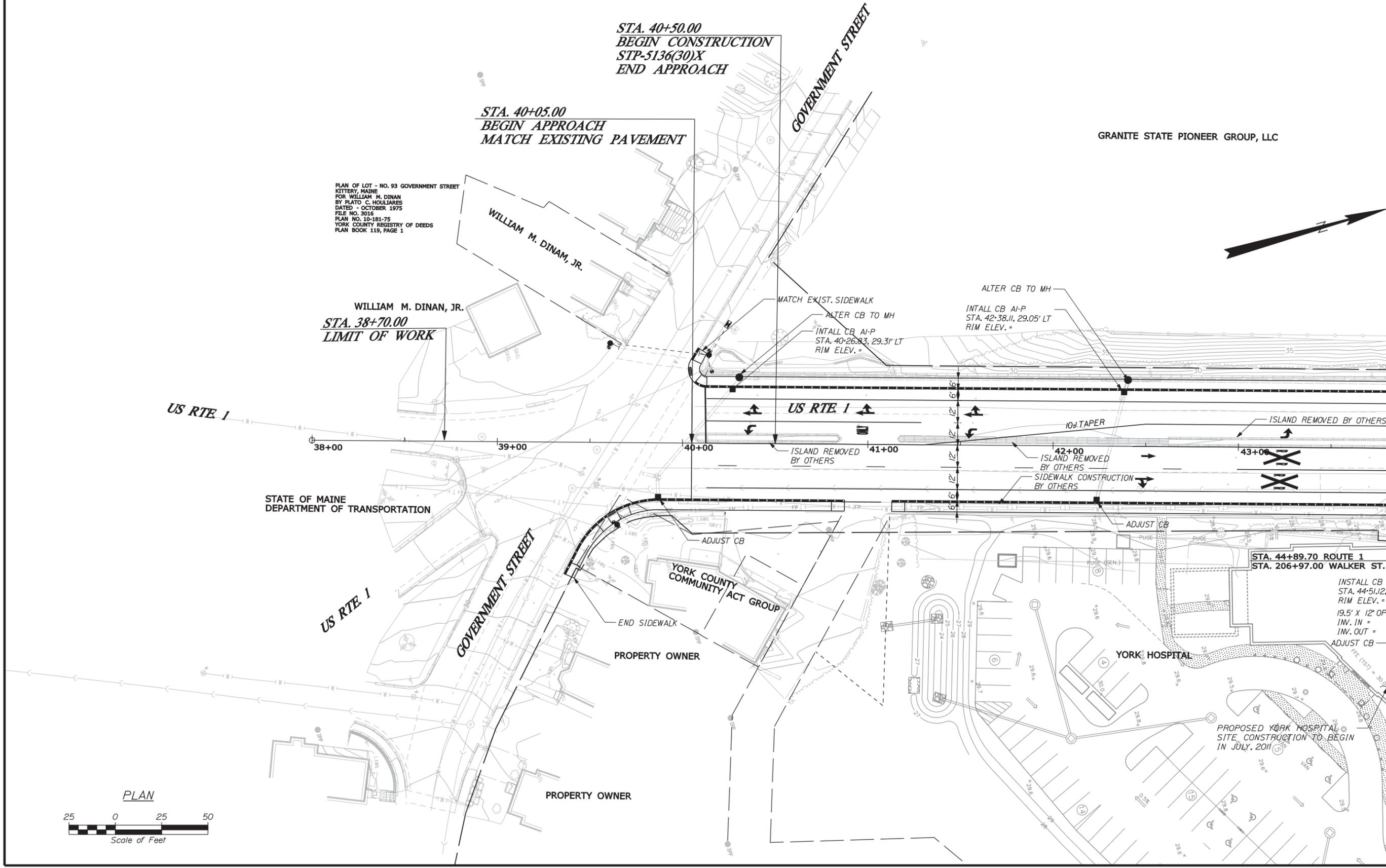


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 Division: \$(WKGROUP) Username: \$(WIN_USERNAME) Date: 12/19/2011



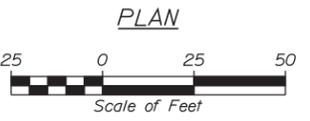
PLAN OF LOT - NO. 93 GOVERNMENT STREET
 KITTERY, MAINE
 FOR WILLIAM M. DINAN
 BY PLATO C. HOULIARES
 DATED - OCTOBER 1975
 FILE NO. 3015
 PLAN NO. 10-181-75
 YORK COUNTY REGISTRY OF DEEDS
 PLAN BOOK 119, PAGE 1

WILLIAM M. DINAN, JR.
 STA. 38+70.00
 LIMIT OF WORK

STA. 40+50.00
 BEGIN CONSTRUCTION
 STP-5136(30)X
 END APPROACH

STA. 40+05.00
 BEGIN APPROACH
 MATCH EXISTING PAVEMENT

GRANITE STATE PIONEER GROUP, LLC



STATE OF MAINE DEPARTMENT OF TRANSPORTATION		STP-1275(200)X	
PIN PIN 12752.00		HIGHWAY PLANS	
PROJ. MANAGER	J.M.V.A.G.	BY	DATE
DESIGN-DETAILED	LCG	MGS	...
CHECKED-REVIEWED	AG	...	...
DESIGNS-DETAILED	...	...	...
REVISIONS 1	...	SIGNATURE	...
REVISIONS 2	...	P.E. NUMBER	...
REVISIONS 3	...	DATE	...
REVISIONS 4	...	\$\$(CF_FIELD\$)	...
FIELD CHANGES	...		
KITTERY ROUTE 1 \ WALKER ST.		PLANS	
SHEET NUMBER		6	
		OF 21	

Filename: ... \e\planset\007_HDPLAN_2.dgn Division: \$(WKGROUP) Username: \$(WIN_USERNAME) Date: 12/19/2011

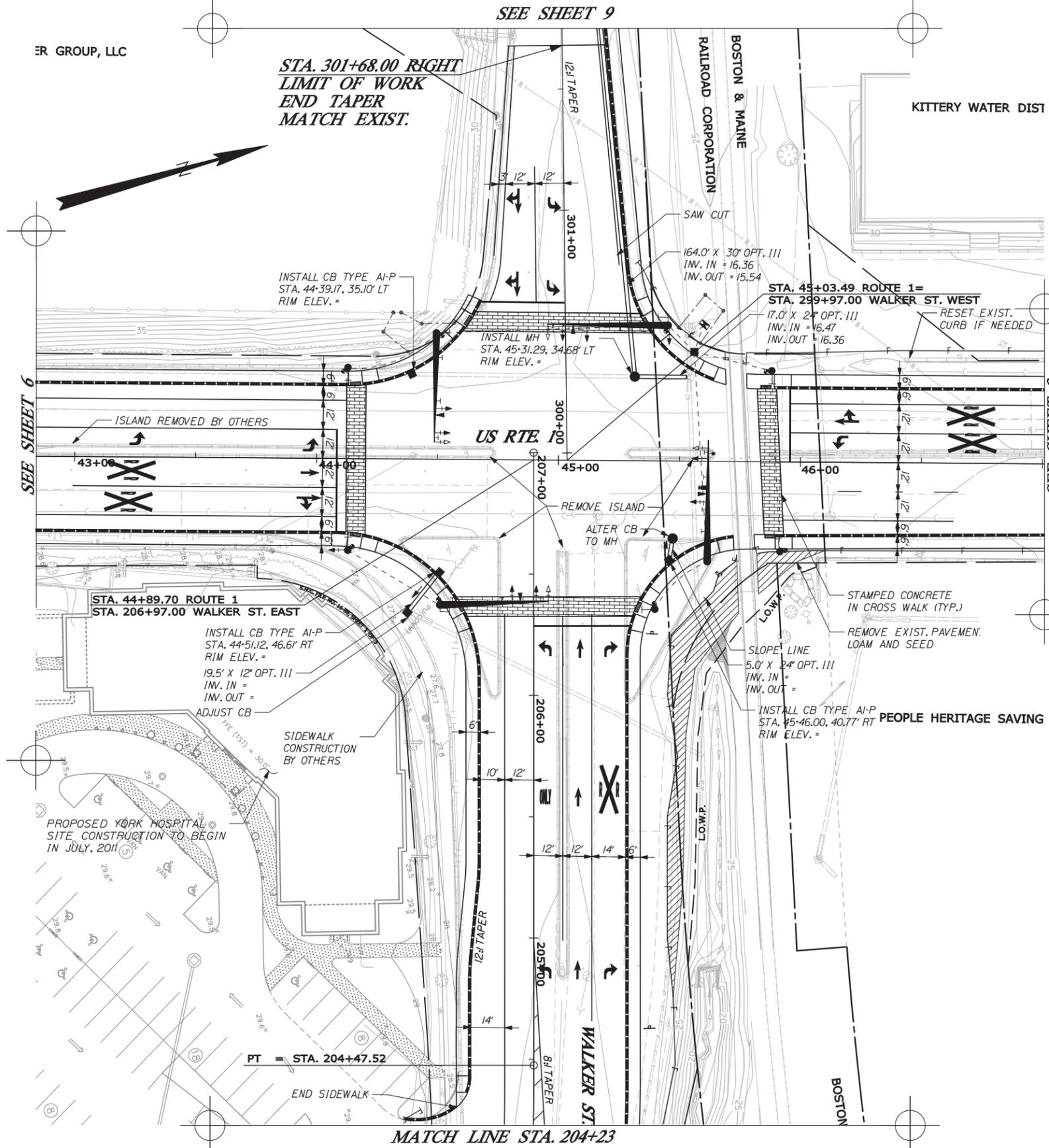
ER GROUP, LLC

SEE SHEET 9

STA. 301+68.00 RIGHT
LIMIT OF WORK
END TAPER
MATCH EXIST.

SEE SHEET 6

SEE SHEET 8



STA. 44+89.70 ROUTE 1
STA. 206+97.00 WALKER ST. EAST

STA. 45+03.49 ROUTE 1 =
STA. 299+97.00 WALKER ST. WEST

INSTALL CB TYPE A1-P
STA. 44+51.12, 46.61' RT
RIM ELEV. =
19.5' X 12" OPT. III
INV. IN =
INV. OUT =
ADJUST CB

17.0' X 24" OPT. III
INV. IN = 16.47
INV. OUT = 16.36

INSTALL CB TYPE A1-P
STA. 44+39.17, 35.10' LT
RIM ELEV. =

164.0' X 30' OPT. III
INV. IN = 16.36
INV. OUT = 15.54

INSTALL MH
STA. 45+31.29, 34.68' LT
RIM ELEV. =

RESET EXIST.
CURB IF NEEDED

PROPOSED YORK HOSPITAL
SITE CONSTRUCTION TO BEGIN
IN JULY, 2011

STAMPED CONCRETE
IN CROSS WALK (TYP.)

REMOVE EXIST. PAVEMENT,
LOAM AND SEED

SLOPE LINE
5.0' X 24' OPT. III
INV. IN =
INV. OUT =

INSTALL CB TYPE A1-P
STA. 45+46.00, 40.77' RT
RIM ELEV. =

REMOVE ISLAND
ALTER CB
TO MH

ISLAND REMOVED BY OTHERS

STAMPED CONCRETE
IN CROSS WALK

REMOVE EXIST. GUARDRAIL

STAMPED CONCRETE
IN CROSS WALK (TYP.)

REMOVE EXIST. PAVEMENT,
LOAM AND SEED

SLOPE LINE
5.0' X 24' OPT. III
INV. IN =
INV. OUT =

INSTALL CB TYPE A1-P
STA. 45+46.00, 40.77' RT
RIM ELEV. =

REMOVE ISLAND
ALTER CB
TO MH

ISLAND REMOVED BY OTHERS

STAMPED CONCRETE
IN CROSS WALK

REMOVE EXIST. GUARDRAIL

STAMPED CONCRETE
IN CROSS WALK (TYP.)

REMOVE EXIST. PAVEMENT,
LOAM AND SEED

SLOPE LINE
5.0' X 24' OPT. III
INV. IN =
INV. OUT =

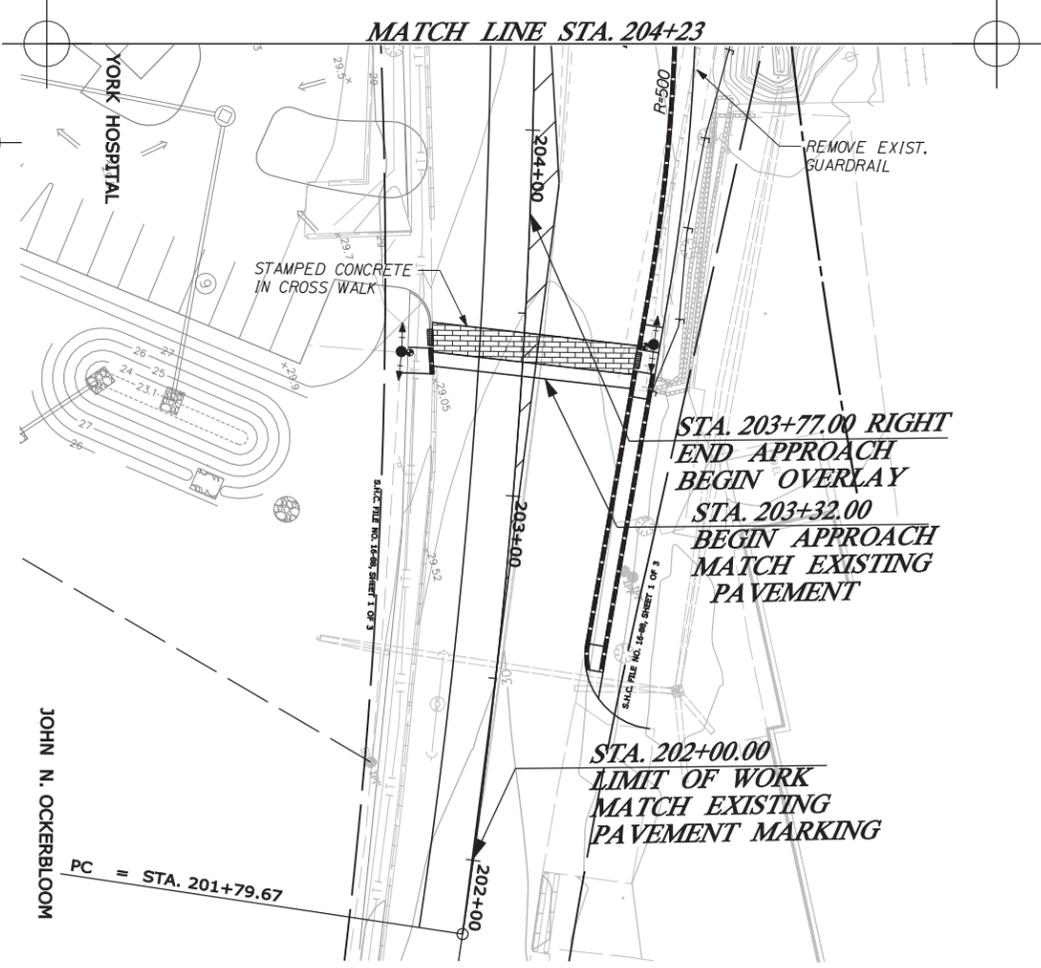
INSTALL CB TYPE A1-P
STA. 45+46.00, 40.77' RT
RIM ELEV. =

REMOVE ISLAND
ALTER CB
TO MH

ISLAND REMOVED BY OTHERS

MATCH LINE STA. 204+23

MATCH LINE STA. 204+23



STA. 203+77.00 RIGHT
END APPROACH
BEGIN OVERLAY
STA. 203+32.00
BEGIN APPROACH
MATCH EXISTING
PAVEMENT

STA. 202+00.00
LIMIT OF WORK
MATCH EXISTING
PAVEMENT MARKING

PC = STA. 201+79.67

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-1275(200)X
PIN
PIN 12752.00
HIGHWAY PLANS

PROJ. MANAGER	J.M.A.G.	BY	DATE
DESIGN-DETAILED	LCG	MGS	...
CHECKED-REVIEWED	AG	...	...
DESIGNS-DETAILED	...	...	...
DESIGNS-DETAILED	...	...	...
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES	...	...	...

KITTERY
ROUTE 1 \ WALKER ST.
PLANS

SHEET NUMBER

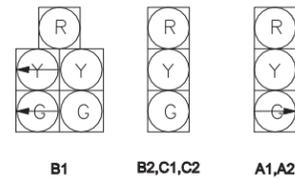
7

OF 21

SIGNAL PLAN NOTES:

- ALL SIGNAL EQUIPMENT SHALL CONFORM TO THE TOWN OF KITTELY "STANDARD TRAFFIC SIGNAL EQUIPMENT SPECIFICATION" DATED 6-28-11 OR AS MOST RECENTLY REVISED.
- THE CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE UTILITY COMPANIES WHEN INSTALLING EQUIPMENT ON THEIR POLES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES TO DETERMINE THEIR REQUIREMENTS.
- THE ELECTRICAL CONTRACTOR SHALL MAKE THE NECESSARY CONNECTIONS FOR A #6 AWG BONDING WIRE TO AN EXISTING UTILITY'S VERTICAL GROUND WIRE. IF THIS VERTICAL GROUND WIRE DOES NOT EXIST THE CONTRACTOR SHALL LEAVE ENOUGH BONDING WIRE TO REACH THE SYSTEM NEUTRAL. THE LOCAL UTILITY SHOULD BE NOTIFIED AND SHALL MAKE THAT CONNECTION.
- THE LOCATIONS OF ALL EQUIPMENT SHOWN ARE APPROXIMATE. FINAL LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE CONSTRUCTION MANAGER.
- THE MAXIMUM SPAN WIRE MOUNTING HEIGHTS SHALL BE IN ACCORDANCE WITH SECTION 4D.15 LISTED IN THE 2009 MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
- THE COST OF POLE RISERS SHALL BE INCIDENTAL TO ITEM NO. 643.90.
- THE COST OF OVERHEAD SIGNS SHALL BE INCIDENTAL TO ITEM 643.71.
- SEE SHEET 10 FOR LIST OF MAJOR ITEMS.

**EXISTING INDICATIONS
(TO BE RETAINED)**



PROPOSED INDICATIONS



PED FACE
P1-P4

EXISTING OVERHEAD SIGNS



R3-5R
1-RETAINED



R10-12
1-RETAINED

PROPOSED SIGNS



R10-15R
30x30
2-PROPOSED



R10-3eL
9x15
2-PROPOSED



R10-3eR
9x15
2-PROPOSED

SIGNAL TIMING

	PHASE 1	PHASE 2	PHASE 4	PHASE 6	PHASE 8
MIN GREEN	5	10	7	10	7
EXTENSION	3.0	3.0	3.0	3.0	3.0
MAX 1	10	30	20	30	20
MAX 2	20	50	35	50	35
VEH CLEAR	4.0	4.0	4.0	4.0	4.0
RED CLEAR	2.0	2.0	2.0	2.0	2.0
WALK	-	-	-	4	4
PED CLEAR	-	-	-	8	23
RECALL	OFF	SOFT	OFF	SOFT	OFF

- NOTE:
 1. MAX 2 SHALL BE PROGRAMMED DURING COORDINATION.
 2. IN THE EVENT OF A CONFLICT OR MALFUNCTION PHASES 2 AND 6 SHALL FLASH YELLOW AND ALL OTHER PHASES SHALL FLASH RED. PEDESTRIAN SIGNAL HEADS SHALL BE BLANK DURING FLASHING OPERATIONS.

COORDINATION CYCLE/SPLIT/OFFSET SCHEDULE
ALL ENTRIES IN SECONDS

	PLAN 1	PLAN 2	PLAN 3	PLAN 4	COORDINATION MODE SET TO FLOATING FORCE-OFF
CYCLE LENGTH	80	90	100	110	
OFFSET	0	13	15	19	
SPLIT TIME Ø1	13	16	16	16	
SPLIT TIME Ø2	33	40	50	60	
SPLIT TIME Ø3	0	0	0	0	
SPLIT TIME Ø4	34	34	34	34	
SPLIT TIME Ø5	0	0	0	0	
SPLIT TIME Ø6	46	56	66	76	
SPLIT TIME Ø7	0	0	0	0	
SPLIT TIME Ø8	34	34	34	34	

COORDINATION NOTES:

- OFFSET IS REFERENCED TO THE END OF THE COORDINATED Ø2 & Ø6 PHASE GREEN. NTCIP REFERENCE PHASE 2.
- COORDINATION TO BE OPERATED BY TIME-OF-DAY.

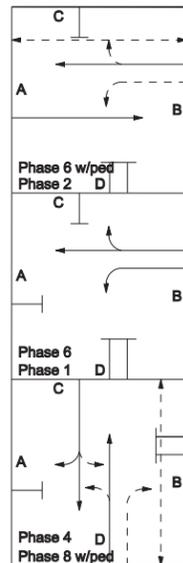
DAILY & WEEKLY COORDINATION PROGRAM

	MON.-FRI.	SATURDAY	SUNDAY
PLAN 1 80 SECS OFFPEAK	0600-0700 0900-1030	0700-0800	0800-0900
PLAN 2 90 SECS AM PEAK	0700-0900 1030-1130	0800-1000	0900-1200
PLAN 3 100 SECS PM PEAK / WEEKEND	1130-1800	1000-1630	1200-1500
PLAN 4 110 SECS FUTURE WHEN WARRANTED	-	-	-
PLAN 5 LATE NIGHT FREE OPERATIONS	0000-0800 1800-2400	0000-0700 1630-2400	0000-0800 1500-2400

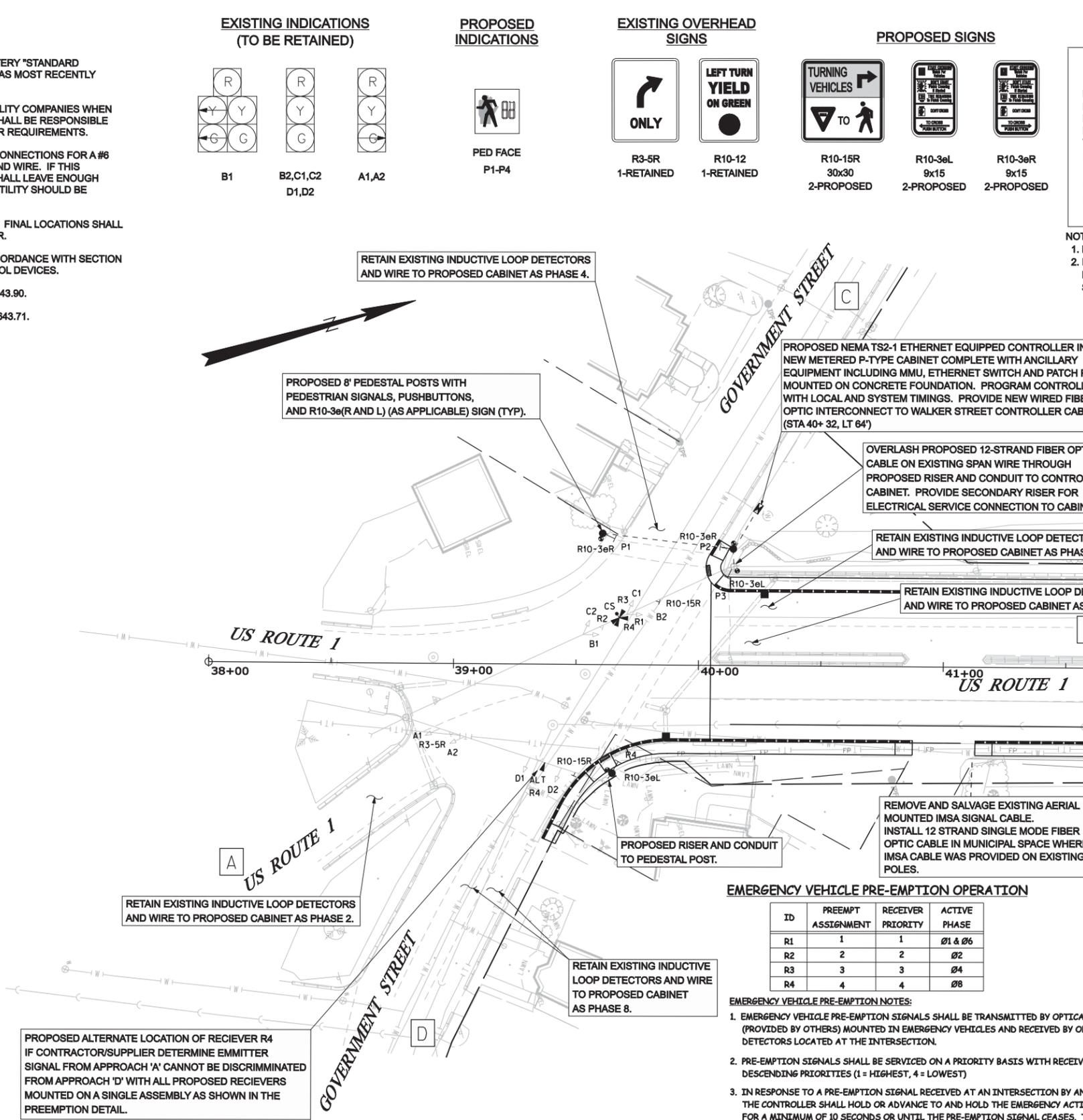
LEGEND

- BLACK PAINTED BASE MOUNTED TS2-1 CABINET WITH CONTROLLER
- VEHICULAR HEAD
- OVERHEAD SIGN
- BLACK PAINTED ALUMINUM PEDESTAL POLE
- OPTICOM RECEIVER
- CONFIRMATION STROBE
- PEDESTRIAN SIGNAL HEAD (BLACK) WITH APS PUSH BUTTON AND INFORMATIONAL SIGN
- UNDERGROUND CONDUIT

PHASE DIAGRAM



WHERE:
 → PROTECTED TRAFFIC MOVEMENT
 - - - PERMISSIVE TRAFFIC MOVEMENT
 PHASE 2 LEADS AND PHASE 1 LAGS



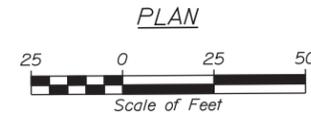
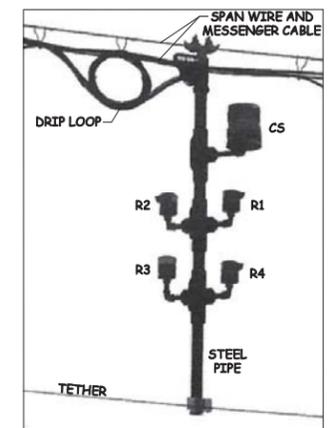
EMERGENCY VEHICLE PRE-EMPTION OPERATION

ID	PREEMPT ASSIGNMENT	RECEIVER PRIORITY	ACTIVE PHASE
R1	1	1	Ø1 & Ø6
R2	2	2	Ø2
R3	3	3	Ø4
R4	4	4	Ø8

EMERGENCY VEHICLE PRE-EMPTION NOTES:

- EMERGENCY VEHICLE PRE-EMPTION SIGNALS SHALL BE TRANSMITTED BY OPTICAL EMITTERS (PROVIDED BY OTHERS) MOUNTED IN EMERGENCY VEHICLES AND RECEIVED BY OPTICAL DETECTORS LOCATED AT THE INTERSECTION.
- PRE-EMPTION SIGNALS SHALL BE SERVICED ON A PRIORITY BASIS WITH RECEIVERS ASSIGNED DESCENDING PRIORITIES (1 = HIGHEST, 4 = LOWEST)
- IN RESPONSE TO A PRE-EMPTION SIGNAL RECEIVED AT AN INTERSECTION BY AN OPTICAL DETECTOR, THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD THE EMERGENCY ACTIVE PHASE GREEN FOR A MINIMUM OF 10 SECONDS OR UNTIL THE PRE-EMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME PRE-EMPTION PHASE CLEARANCE (4.0 SECONDS YELLOW AND 2.0 SECONDS ALL RED) AND SERVICE SUBSEQUENT EMERGENCY ACTIVE PHASES AS NECESSARY. AT THE COMPLETION OF THE PRE-EMPTION CYCLE, THE CONTROLLER SHALL TIME THE PRE-EMPTION CLEARANCE AND RESUME NORMAL SIGNAL OPERATION.
- MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PRE-EMPTION DEMAND.
- EMERGENCY VEHICLE PRE-EMPTION SHALL OVERRIDE COORDINATION.
- CONFIRMATION STROBES SHALL BE ILLUMINATED WHENEVER ANY EMERGENCY VEHICLE PREEMPTION GREEN IS ON.

PREEMPTION ASSEMBLY DETAIL



STATE OF MAINE
 DEPARTMENT OF TRANSPORTATION
 STP-1275(200)X
 WIN
 PIN 12752.00
 HIGHWAY PLANS

ROUTE 1 \ WALKER ST.
 SIGNAL PLANS

SHEET NUMBER
 10
 OF 21

PROJ. MANAGER: J.M. V.A.G.
 DATE: ...
 BY: M.S.
 CHECKED-REVIEWED: L.C.G.
 DESIGNED-DRAWN: ...
 DESIGNED-DRAWN: ...
 REVISIONS: 1, 2, 3, 4
 FIELD CHANGES: ...

Filename: ... \te\planset\010_SIGNAL_001.dgn
 Division: \$(WKGROUP)
 Username: \$(WIN_USERNAME)
 Date: 12/19/2011

SIGNAL PLAN NOTES:

- ALL SIGNAL CONTROL EQUIPMENT SHALL CONFORM TO THE TOWN OF KITTEERY STANDARD "TRAFFIC SIGNAL EQUIPMENT SPECIFICATION" DATED 6-28-11 OR AS MOST RECENTLY REVISED.
- THE CONTRACTOR SHALL MEET ALL REQUIREMENTS OF THE UTILITY COMPANIES WHEN INSTALLING EQUIPMENT ON THEIR POLES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES TO DETERMINE THEIR REQUIREMENTS.
- THE ELECTRICAL CONTRACTOR SHALL MAKE THE NECESSARY CONNECTIONS FOR A #6 AWG BONDING WIRE TO AN EXISTING UTILITY'S VERTICAL GROUND WIRE. IF THIS VERTICAL GROUND WIRE DOES NOT EXIST THE CONTRACTOR SHALL LEAVE ENOUGH BONDING WIRE TO REACH THE SYSTEM NEUTRAL. THE LOCAL UTILITY SHOULD BE NOTIFIED AND SHALL MAKE THAT CONNECTION.
- THE COST OF POLE RISERS SHALL BE INCIDENTAL TO ITEM NO. 643.90.
- THE COST OF THE OVERHEAD SIGNS SHALL BE INCIDENTAL TO ITEM 643.71
- THE COST FOR REMOVAL OF THE EXISTING SPAN WIRE SIGNAL SYSTEM (COMPLETE) SHALL BE INCIDENTAL TO ITEM NO. 643.71.
- ALL TRAFFIC SIGNAL IMPACTS DURING CONSTRUCTION SHALL BE MITIGATED BY THE CONTRACTOR. THE CONTRACTOR SHALL RELOCATE EXISTING TRAFFIC SIGNAL HEADS FOR EACH CONSTRUCTION STAGE AS NEEDED. TRAFFIC SIGNAL HEADS SHALL ALIGN WITH THE CORRESPONDING TRAFFIC LANES. ALL OTHER IMPACTS, SUCH AS, BUT NOT LIMITED TO, LOOP DETECTORS SHALL ALSO BE MITIGATED. THIS WORK SHALL BE INCIDENTAL TO ITEM 652.361. ALL MITIGATION MUST BE APPROVED BY THE RESIDENT.
- SEE SHEET 10 FOR LIST OF MAJOR ITEMS.

COORDINATION CYCLE/SPLIT/OFFSET SCHEDULE

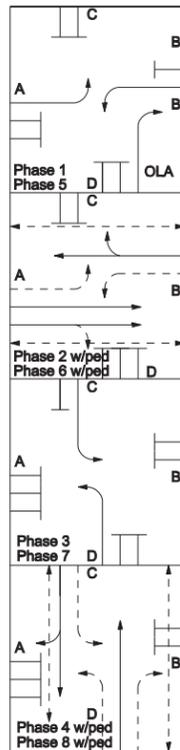
ALL ENTRIES IN SECONDS

	PLAN 1	PLAN 2	PLAN 3	PLAN 4	COORDINATION MODE SET TO FIXED FORCE-OFF
CYCLE LENGTH	80	90	100	110	
OFFSET	0	0	0	0	
SPLIT TIME Ø1	12	16	16	16	
SPLIT TIME Ø2	29	32	32	32	
SPLIT TIME Ø3	13	16	26	31	
SPLIT TIME Ø4	26	26	26	31	
SPLIT TIME Ø5	12	16	16	16	
SPLIT TIME Ø6	29	32	32	32	
SPLIT TIME Ø7	13	16	16	16	
SPLIT TIME Ø8	26	26	36	46	

COORDINATION NOTES:

- OFFSET IS REFERENCED TO THE END OF THE COORDINATED Ø2 & Ø6 PHASE GREEN. NTCIP REFERENCE PHASE 2.
- COORDINATION TO BE OPERATED BY TIME-OF-DAY.

PHASE DIAGRAM



WHERE:
 → PROTECTED TRAFFIC MOVEMENT
 - - - PERMISSIVE TRAFFIC MOVEMENT

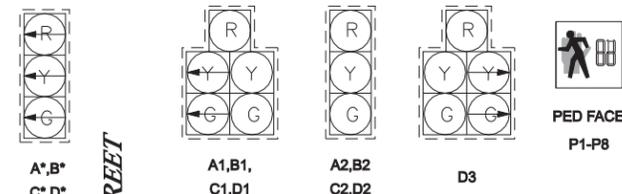
EMERGENCY VEHICLE PRE-EMPTION OPERATION

ID	PREEMPT ASSIGNMENT	RECEIVER PRIORITY	ACTIVE PHASE
R1	1	1	Ø1 & Ø6
R2	2	2	Ø2 & Ø5
R3	3	3	Ø3 & Ø7
R4	4	4	Ø4 & Ø8

EMERGENCY VEHICLE PRE-EMPTION NOTES:

- EMERGENCY VEHICLE PRE-EMPTION SIGNALS SHALL BE TRANSMITTED BY OPTICAL EMITTERS (PROVIDED BY OTHERS) MOUNTED IN EMERGENCY VEHICLES AND RECEIVED BY OPTICAL DETECTORS LOCATED AT THE INTERSECTION.
- PRE-EMPTION SIGNALS SHALL BE SERVICED ON A PRIORITY BASIS WITH RECEIVERS ASSIGNED DESCENDING PRIORITIES (1 = HIGHEST, 4 = LOWEST)
- IN RESPONSE TO A PRE-EMPTION SIGNAL RECEIVED AT AN INTERSECTION BY AN OPTICAL DETECTOR, THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD THE EMERGENCY ACTIVE PHASE GREEN FOR A MINIMUM OF 10 SECONDS OR UNTIL THE PRE-EMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME PRE-EMPTION PHASE CLEARANCE (4.0 SECONDS YELLOW AND 3.0 SECONDS ALL RED) AND SERVICE SUBSEQUENT EMERGENCY ACTIVE PHASES AS NECESSARY. AT THE COMPLETION OF THE PRE-EMPTION CYCLE, THE CONTROLLER SHALL TIME THE PRE-EMPTION CLEARANCE AND RESUME NORMAL SIGNAL OPERATION.
- MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PRE-EMPTION DEMAND.
- EMERGENCY VEHICLE PRE-EMPTION SHALL OVERRIDE COORDINATION.
- CONFIRMATION STROBES SHALL BE ILLUMINATED WHENEVER ANY EMERGENCY VEHICLE PREEMPTION GREEN IS ON.

PROPOSED INDICATIONS



NOTE - ALL INDICATIONS SHALL BE 12" LIGHT EMITTING DIODES (LED'S) WITH 5" LOUVERED BACKPLATES

SIGNAL TIMING

	PHASE 1	PHASE 2	PHASE 3	PHASE 4	PHASE 5	PHASE 6	PHASE 7	PHASE 8
MIN GREEN EXTENSION	5	10	5	7	5	10	5	7
MAX 1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
MAX 2	10	30	15	30	10	30	10	35
MAX 3	20	40	35	35	20	40	20	50
VEH CLEAR	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
RED CLEAR	3.0	3.0	2.0	2.0	3.0	3.0	2.0	2.0
WALK	-	4	-	4	-	4	-	4
PED CLEAR	-	18	-	15	-	18	-	15
RECALL	OFF	SOFT	OFF	OFF	OFF	SOFT	OFF	OFF

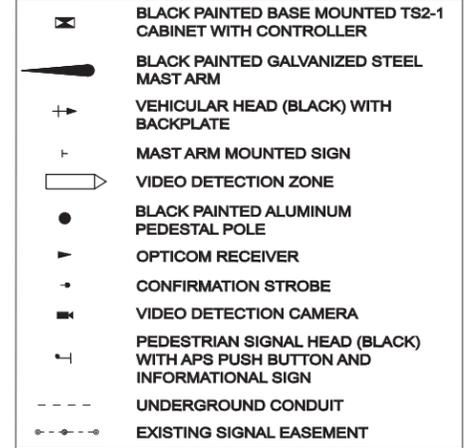
NOTES:

- MAX 2 SHALL BE PROGRAMMED DURING COORDINATION.
- IN THE EVENT OF A CONFLICT OR MALFUNCTION PHASES 2 AND 6 SHALL FLASH YELLOW AND ALL OTHER PHASES SHALL FLASH RED. PEDESTRIAN SIGNAL HEADS SHALL BE BLANK DURING FLASHING OPERATIONS.

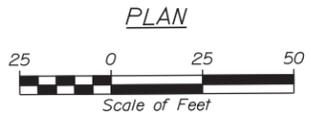
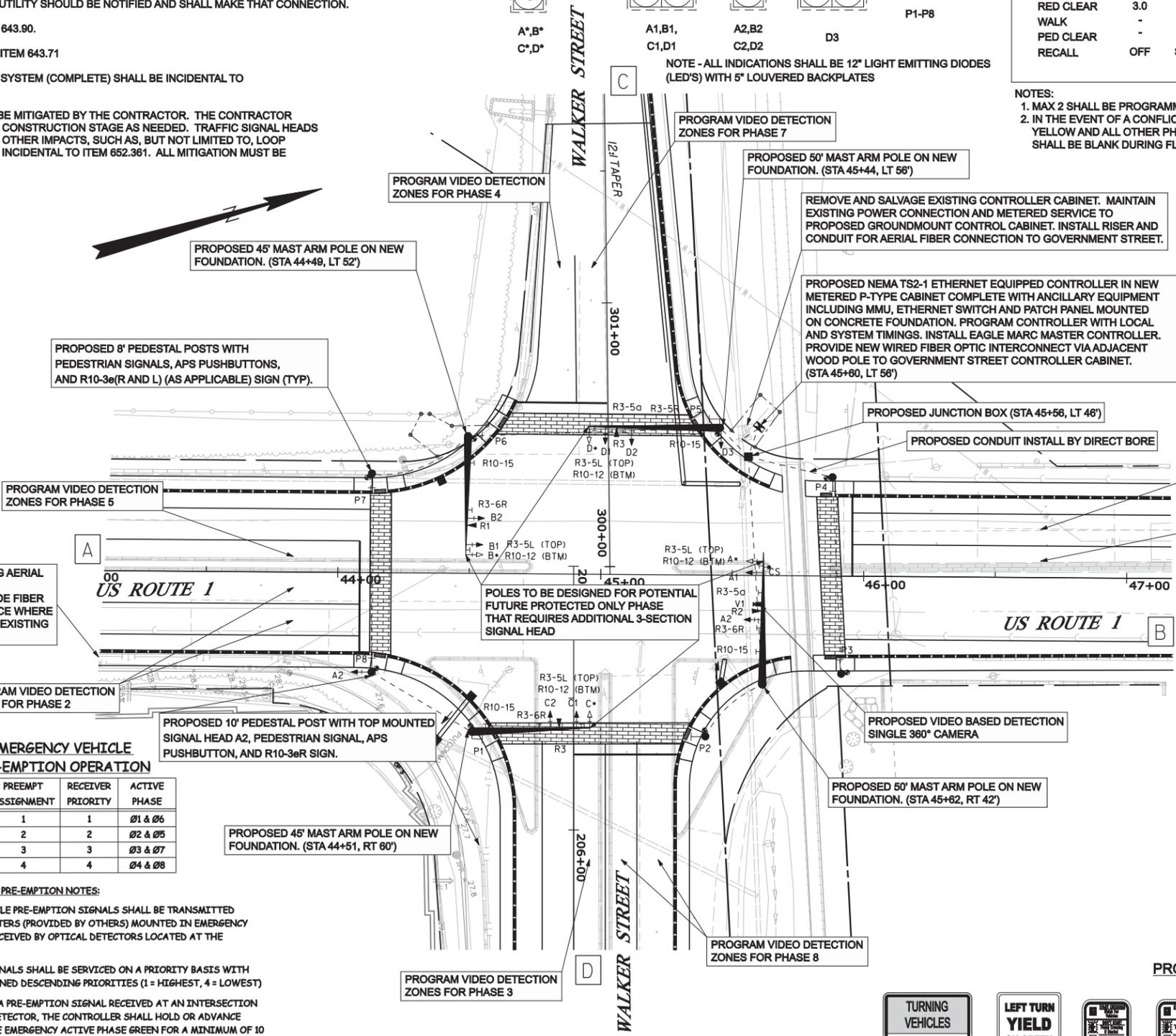
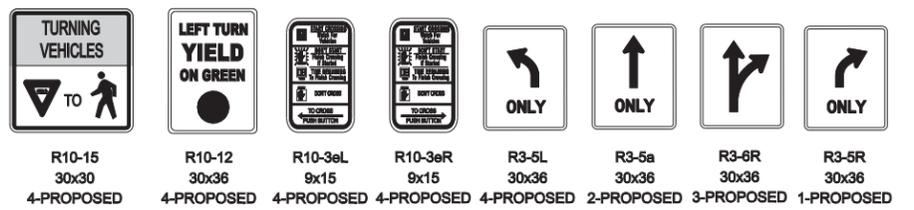
DAILY & WEEKLY COORDINATION PROGRAM

	MON.-FRI.	SATURDAY	SUNDAY
PLAN 1 80 SECS OFFPEAK	0600-0700 0900-1030	0700-0800	0800-0900
PLAN 2 90 SECS AM PEAK	0700-0900 1030-1130	0800-1000	0900-1200
PLAN 3 100 SECS PM PEAK/WEEKEND	1130-1800	1000-1630	1200-1500
PLAN 4 110 SECS FUTURE WHEN WARRANTED	-	-	-
PLAN 5 LATE NIGHT FREE OPERATIONS	0000-0600 1800-2400	0000-0700 1630-2400	0000-0800 1500-2400

LEGEND



PROPOSED SIGNS



PROJ. MANAGER	J.M.V.A.G.	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	LCG	...	MCS	...	...	...	...
CHECKED-REVIEWED	AG	...	...	...	...	...	...
DESIGN-DETAILED	...	...	...	...	...	...	...
DESIGN-DETAILED	...	...	...	...	...	...	...
REVISIONS 1	...	...	...	...	...	...	...
REVISIONS 2	...	...	...	...	...	...	...
REVISIONS 3	...	...	...	...	...	...	...
REVISIONS 4	...	...	...	...	...	...	...
FIELD CHANGES	...	...	...	...	...	...	...

PROJ. MANAGER	J.M.V.A.G.	DATE	BY	DATE	SIGNATURE	P.E. NUMBER	DATE
DESIGN-DETAILED	LCG	...	MCS	...	...	...	...
CHECKED-REVIEWED	AG	...	...	...	...	...	...
DESIGN-DETAILED	...	...	...	...	...	...	...
DESIGN-DETAILED	...	...	...	...	...	...	...
REVISIONS 1	...	...	...	...	...	...	...
REVISIONS 2	...	...	...	...	...	...	...
REVISIONS 3	...	...	...	...	...	...	...
REVISIONS 4	...	...	...	...	...	...	...
FIELD CHANGES	...	...	...	...	...	...	...

SHEET NUMBER

11

OF 21

LIST OF MAJOR ITEMS FOR
US ROUTE 1 AT WALKER STREET

EQUIPMENT AND WORK ITEMS 643.71	QUANTITY
P-44 ALUMINUM NEMA TS2 TYPE 1 GROUND MOUNTED CONTROLLER CABINET WITH 15-INCH EXTENSION WITH 2-COAT BLACK POWDER COATING. POLICE DOOR SHALL HAVE AUTO/MANUAL, FLASH/AUTO AND SIGNAL ON/OFF SWITCHES	1
EAGLE EPAC SERIES M50 TRAFFIC ACTUATED SIGNAL CONTROLLER	1
EAGLE MARC MASTER CONTROLLER	1
MALFUNCTION MANAGEMENT UNIT EDI MODEL MMU 16LE	1
3 SETS OF BOX PRINTS AND 2 SETS OF EQUIPMENT MANUALS IN CONTROLLER CABINET	1
ONE-WAY 3-SECTION 12-INCH BLACK POLYCARBONATE SIGNAL HEADS WITH LED MODULES WITH CAP (CUT-AWAY) VISORS MOUNTED ON MAST ARMS WITH ASTRO-BRAKETS PAINTED BLACK INCLUDING ANY METAL BANDS WITH 5-INCH LOUVERED BACKPLATES	5
ONE-WAY 5-SECTION 12-INCH BLACK POLYCARBONATE SIGNAL HEADS WITH LED MODULES WITH CAP (CUT-AWAY) VISORS MOUNTED ON MAST ARMS WITH ASTRO-BRAKETS PAINTED BLACK INCLUDING ANY METAL BANDS WITH 5-INCH LOUVERED BACKPLATES	5
BRACKET MOUNTED 16-INCH BY 18-INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD WITH SOLID HAND SYMBOL, SOLID WALKING MAN SYMBOL AND COUNTDOWN TIMER DISPLAY, 6E LAMINATION 6TI SERIES, MCCAIN MODEL 1000 SERIES OR APPROVED EQUAL. ALL COMPONENTS SHALL BE COLORED BLACK AND HEADS SHALL BE EQUIPPED WITH CAP (CUT-AWAY) VISORS	4
POST MOUNTED 16-INCH BY 18-INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD WITH SOLID HAND SYMBOL, SOLID WALKING MAN SYMBOL AND COUNTDOWN TIMER DISPLAY, 6E LAMINATION 6TI SERIES, MCCAIN MODEL 1000 SERIES OR APPROVED EQUAL. ALL COMPONENTS SHALL BE COLORED BLACK AND HEADS SHALL BE EQUIPPED WITH CAP (CUT-AWAY) VISORS	4
ADA COMPLIANT PEDESTRIAN SIGNAL (APS) ASSEMBLY CONSISTING OF BUTTONS WITH CONFIRMATION LIGHT, VIBRO-TACTILE ARROW, SPEAKERS FOR INFORMATIONAL MESSAGE AND TONE LOCATOR AND R10-3e INFORMATIONAL SIGNS - CAMPBELL COMPANY ADVISOR MODEL (A-915) OR APPROVED EQUAL	8
OPTICOM FIRE PREEMPTOR PHASE SELECTOR MODEL 764 WITH A MODEL 760 CARD RACK WITH PANEL AND D HARNESS	1
OPTICOM RECEIVER MODEL 711	4
CONFIRMATION STROBE LIGHT 120 VAC WITH RED LEXON OPTIC LENS. WHELAN MODEL IAC 12 RP OR APPROVED EQUIVALENT	1
ENVIRONMENTALLY HARDENED CISCO CATALYST MODEL 2955 SWITCH OR APPROVED EQUAL	1
DUAL USE SPLICE ENCLOSURE AND 12 POSITION PATCH PANEL	1
R3-5R 30" X 36" SIGN WITH BLACK METAL BANDS	1
R3-6R 30" X 36" SIGN WITH BLACK METAL BANDS	3
R3-5a 30" X 36" SIGN WITH BLACK METAL BANDS	2
R3-5L 30" X 36" SIGN WITH BLACK METAL BANDS	4
R10-12 30" X 36" SIGN WITH BLACK METAL BANDS	4
R10-15 30" X 30" SIGN WITH BLACK METAL BANDS	4
EQUIPMENT AND WORK (ITEM XXX.YYZ)	QUANTITY
FURNISH AND INSTALL 14-INCH PRECAST JUNCTION BOX (ITEM 626.11)	1
FURNISH AND INSTALL NON-METALLIC SIGNAL CONDUIT (ITEM 626.22)	530 LF
FURNISH AND INSTALL 18-INCH FOUNDATION (ITEM 626.31)	5
FURNISH AND INSTALL 36-INCH FOUNDATION (ITEM 626.331)	4
FURNISH AND INSTALL CONTROLLER CABINET FOUNDATION (ITEM 626.35)	1
FURNISH AND INSTALL POLE RISER (ITEM 643.90)	2
FURNISH AND INSTALL APPROXIMATELY 1000 LINEAR FEET OF 12-STRAND FIBER OPTIC INTERCONNECT CABLE (ITEM 643.90)	1

LIST OF MAJOR ITEMS FOR
US ROUTE 1 AT WALKER STREET CONTINUED

EQUIPMENT AND WORK ITEMS 643.60	QUANTITY
GALVANIZED STEEL MAST ARM POLE WITH 45-FOOT SIGNAL ARM PAINTED BLACK (ITEM 643.91)	2
GALVANIZED STEEL MAST ARM POLE WITH 50-FOOT SIGNAL ARM PAINTED BLACK (ITEM 643.91)	2
FURNISH AND INSTALL 8-FOOT ALUMINUM PEDESTAL POST PAINTED BLACK (ITEM 643.92)	4
FURNISH AND INSTALL 10-FOOT ALUMINUM PEDESTAL POST PAINTED BLACK (ITEM 643.92)	1
FURNISH AND INSTALL VIDEO DETECTION SYSTEM CONSISTING OF 360 DEGREE ALDIS GRIDSMART CAMERA, GRIDSMART CONTROL UNIT WITH VIDEO PROCESSOR CARD AND ANCILLARY EQUIPMENT (ITEM 643.83)	1

THE LISTED QUANTITIES ARE APPROXIMATE AND ARE FURNISHED FOR INFORMATION ONLY.

LIST OF MAJOR ITEMS FOR
US ROUTE 1 AT GOVERNMENT STREET

EQUIPMENT AND WORK ITEMS 643.71	QUANTITY
P-44 ALUMINUM NEMA TS2 TYPE 1 GROUND MOUNTED CONTROLLER CABINET WITH 15-INCH EXTENSION WITH 2-COAT BLACK POWDER COATING. POLICE DOOR SHALL HAVE AUTO/MANUAL, FLASH/AUTO AND SIGNAL ON/OFF SWITCHES	1
EAGLE EPAC SERIES M50 TRAFFIC ACTUATED SIGNAL CONTROLLER	1
MALFUNCTION MANAGEMENT UNIT EDI MODEL MMU 16LE	1
3 SETS OF BOX PRINTS AND 2 SETS OF EQUIPMENT MANUALS IN CONTROLLER CABINET	1
POST MOUNTED 16-INCH BY 18-INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD WITH SOLID HAND SYMBOL, SOLID WALKING MAN SYMBOL AND COUNTDOWN TIMER DISPLAY, 6E LAMINATION 6TI SERIES, MCCAIN MODEL 1000 SERIES OR APPROVED EQUAL. ALL COMPONENTS SHALL BE COLORED BLACK AND HEADS SHALL BE EQUIPPED WITH CAP (CUT-AWAY) VISORS	3
BRACKET MOUNTED 16-INCH BY 18-INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD WITH SOLID HAND SYMBOL, SOLID WALKING MAN SYMBOL AND COUNTDOWN TIMER DISPLAY, 6E LAMINATION 6TI SERIES, MCCAIN MODEL 1000 SERIES OR APPROVED EQUAL. ALL COMPONENTS SHALL BE COLORED BLACK AND HEADS SHALL BE EQUIPPED WITH CAP (CUT-AWAY) VISORS	1
ADA COMPLIANT PEDESTRIAN SIGNAL (APS) ASSEMBLY CONSISTING OF BUTTONS WITH CONFIRMATION LIGHT, VIBRO-TACTILE ARROW, SPEAKERS FOR INFORMATIONAL MESSAGE AND TONE LOCATOR AND R10-3e INFORMATIONAL SIGNS - CAMPBELL COMPANY ADVISOR MODEL (A-915) OR APPROVED EQUAL	4
OPTICOM FIRE PREEMPTOR PHASE SELECTOR MODEL 764 WITH A MODEL 760 CARD RACK WITH PANEL AND D HARNESS	1
OPTICOM RECEIVER MODEL 711	4
CONFIRMATION STROBE LIGHT 120 VAC WITH RED LEXON OPTIC LENS. WHELAN MODEL IAC 12 RP OR APPROVED EQUIVALENT	1
SPAN WIRE PREEMPTION HANGING ASSEMBLY	1
ENVIRONMENTALLY HARDENED CISCO CATALYST MODEL 2955 SWITCH OR APPROVED EQUAL	1
DUAL USE SPLICE ENCLOSURE AND 12 POSITION PATCH PANEL	1
R10-15R 30" X 30" SIGN	2
EQUIPMENT AND WORK (ITEM XXX.YYZ)	QUANTITY
FURNISH AND INSTALL 8-FOOT ALUMINUM PEDESTAL POST PAINTED BLACK (ITEM 643.92)	3
FURNISH AND INSTALL 18-INCH FOUNDATION (ITEM 626.31)	3
FURNISH AND INSTALL CONTROLLER CABINET FOUNDATION (ITEM 626.35)	1
FURNISH AND INSTALL NON-METALLIC SIGNAL CONDUIT (ITEM 626.22)	95 LF
FURNISH AND INSTALL POLE RISER (ITEM 643.90)	3

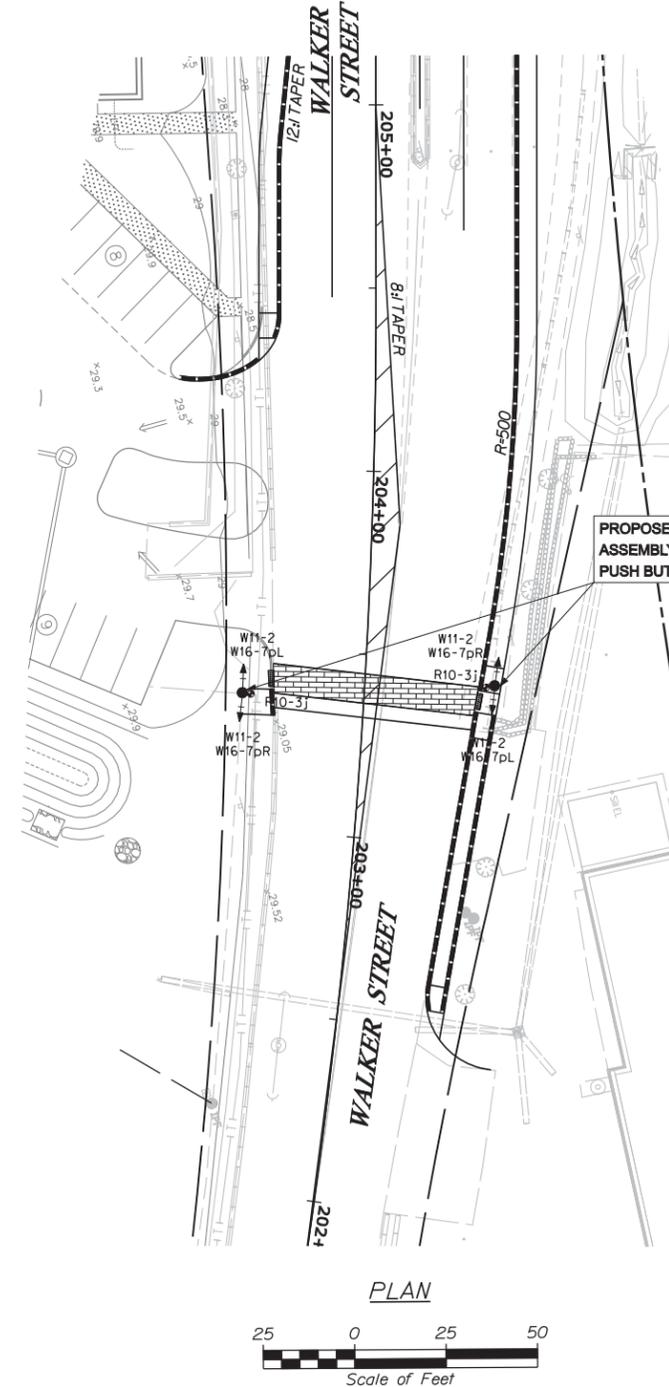
THE LISTED QUANTITIES ARE APPROXIMATE AND ARE FURNISHED FOR INFORMATION ONLY.

LIST OF MAJOR ITEMS FOR
WALKER STREET AT HOSPITAL ENTRANCE

EQUIPMENT AND WORK ITEMS 643.60	QUANTITY
W11-2 30" X 30" SIGN WITH BLACK METAL BANDS	4
W16-7pL 24" X 12" SIGN WITH BLACK METAL BANDS	2
W16-7pR 24" X 12" SIGN WITH BLACK METAL BANDS	2
ADA COMPLIANT 2-INCH MUSHROOM TYPE PUSHBUTTON WITH R10-3j INFORMATIONAL SIGN	2
SOLAR POWERED RAPID FLASHING WIRELESS BASED ASSEMBLY	2
FURNISH AND INSTALL 8-FOOT ALUMINUM PEDESTAL POST PAINTED BLACK (SUBSIDIARY TO ITEM 643.60)	2
FURNISH AND INSTALL 18-INCH FOUNDATION (SUBSIDIARY TO ITEM 643.60)	2

THE LISTED QUANTITIES ARE APPROXIMATE AND ARE FURNISHED FOR INFORMATION ONLY.

PROPOSED SIGNS



SIGNAL PLAN NOTES:

- ALL SIGNAL CONTROL EQUIPMENT SHALL CONFORM TO THE "STANDARD SIGNAL EQUIPMENT SPECIFICATIONS" DATED 6-28-11 OR THE MOST RECENTLY REVISED VERSION OF THE TOWN OF KITTEERY.
- THE LOCATIONS OF ALL EQUIPMENT SHOWN ARE APPROXIMATE. FINAL LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE CONSTRUCTION MANAGER.

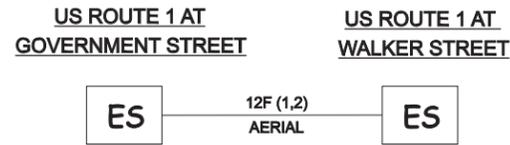
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-1275(20)X
WIN
PIN 12752.00
HIGHWAY PLANS

PROJ. MANAGER	J.M.V.A.G.	BY	DATE
DESIGN-DETAILED	LCG	MGS	...
CHECKED-REVIEWED	AG	...	...
DESIGNS-DETAILED	...	...	...
DESIGNS-DETAILED	...	...	...
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES	...	...	...

KITTEERY
ROUTE 1 \ WALKER ST.
SIGNAL PLANS

SHEET NUMBER
12
OF 21

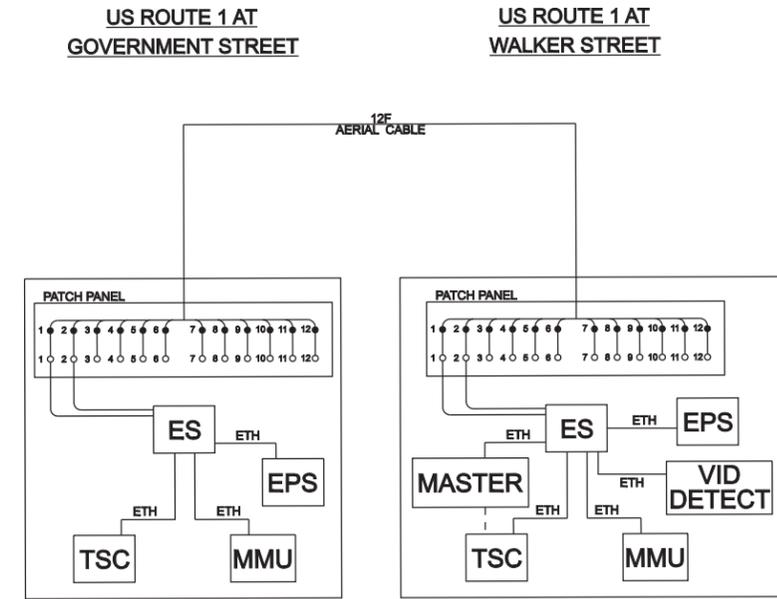
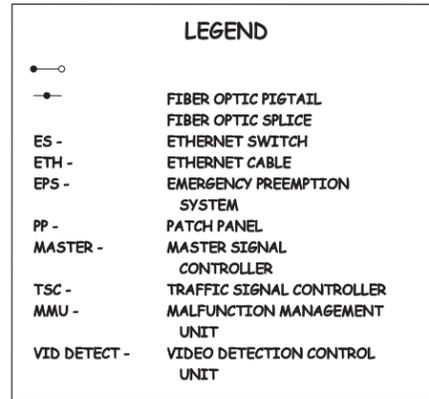
NETWORK DIAGRAM



FIBER OPTIC CABLE CONSTRUCTION NOTES:

1. MANUFACTURED PIGTAILS SHALL BE TERMINATED ON PATCH PANELS.
2. FIBER OPTIC CABLE BENDS SHALL EXCEED THE MINIMUM BENDING RADIUS FOR THE CABLE AT ALL TIMES DURING INSTALLATION, MODIFICATION, REPAIR, SPLICING, OR IN THE PERMANENT CONDITION.
3. FIBER OPTIC CABLE SHALL NOT BE SPLICED. FIBERS NOT TERMINATED IN A SPLICE ENCLOSURE OR SHOWN AS THROUGH FIBERS SHALL NOT BE CUT.
4. TERMINATED FIBERS IN THE SPLICE ENCLOSURES SHALL BE TERMINATED ON A 12-POSITION PATCH PANEL.

SYSTEM ARCHITECTURE DIAGRAM



SPLICE TABLES

**FIBER OPTIC SPLICE TABLE
US ROUTE 1 AT GOVERNMENT STREET**

	CABLE	STRAND	CONNECTION TYPE	CABLE	STRAND	DESCRIPTION
PATCH PANEL AT CONTROLLER CABINET (US ROUTE 1/GOVERNMENT ST)	12F TO WALKER ST	1	SPLICE	PIGTAIL	-	ES, PP POSITION 1
	12F TO WALKER ST	2	SPLICE	PIGTAIL	-	ES, PP POSITION 2
	12F TO WALKER ST	3	SPLICE	PIGTAIL	-	SPARE, PP POSITION 3
	12F TO WALKER ST	4	SPLICE	PIGTAIL	-	SPARE, PP POSITION 4
	12F TO WALKER ST	5	SPLICE	PIGTAIL	-	SPARE, PP POSITION 5
	12F TO WALKER ST	6	SPLICE	PIGTAIL	-	SPARE, PP POSITION 6
	12F TO WALKER ST	7	SPLICE	PIGTAIL	-	SPARE, PP POSITION 7
	12F TO WALKER ST	8	SPLICE	PIGTAIL	-	SPARE, PP POSITION 8
	12F TO WALKER ST	9	SPLICE	PIGTAIL	-	SPARE, PP POSITION 9
	12F TO WALKER ST	10	SPLICE	PIGTAIL	-	SPARE, PP POSITION 10
	12F TO WALKER ST	11	SPLICE	PIGTAIL	-	SPARE, PP POSITION 11
	12F TO WALKER ST	12	SPLICE	PIGTAIL	-	SPARE, PP POSITION 12

**FIBER OPTIC SPLICE TABLE
US ROUTE 1 AT WALKER STREET**

	CABLE	STRAND	CONNECTION TYPE	CABLE	STRAND	DESCRIPTION
PATCH PANEL AT CONTROLLER CABINET (US ROUTE 1/WALKER ST)	12F TO GOVERNMENT ST	1	SPLICE	PIGTAIL	-	ES, PP POSITION 1
	12F TO GOVERNMENT ST	2	SPLICE	PIGTAIL	-	ES, PP POSITION 2
	12F TO GOVERNMENT ST	3	SPLICE	PIGTAIL	-	SPARE, PP POSITION 3
	12F TO GOVERNMENT ST	4	SPLICE	PIGTAIL	-	SPARE, PP POSITION 4
	12F TO GOVERNMENT ST	5	SPLICE	PIGTAIL	-	SPARE, PP POSITION 5
	12F TO GOVERNMENT ST	6	SPLICE	PIGTAIL	-	SPARE, PP POSITION 6
	12F TO GOVERNMENT ST	7	SPLICE	PIGTAIL	-	SPARE, PP POSITION 7
	12F TO GOVERNMENT ST	8	SPLICE	PIGTAIL	-	SPARE, PP POSITION 8
	12F TO GOVERNMENT ST	9	SPLICE	PIGTAIL	-	SPARE, PP POSITION 9
	12F TO GOVERNMENT ST	10	SPLICE	PIGTAIL	-	SPARE, PP POSITION 10
	12F TO GOVERNMENT ST	11	SPLICE	PIGTAIL	-	SPARE, PP POSITION 11
	12F TO GOVERNMENT ST	12	SPLICE	PIGTAIL	-	SPARE, PP POSITION 12

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
STP-1275(200)X
WIN
PIN 12752.00
HIGHWAY PLANS

PROJ. MANAGER	J.M.A.G.	BY	DATE
DESIGN-DETAILED	LCG	MGS	...
CHECKED-REVIEWED	AG	...	...
DESIGN-DETAILED	...	...	...
DESIGN-DETAILED	...	...	...
REVISIONS 1	...	...	...
REVISIONS 2	...	...	...
REVISIONS 3	...	...	...
REVISIONS 4	...	...	...
FIELD CHANGES	...	...	...

KITTERY
ROUTE 1 \ WALKER ST.
FIBER OPTIC PLANS

SHEET NUMBER
13
OF 21