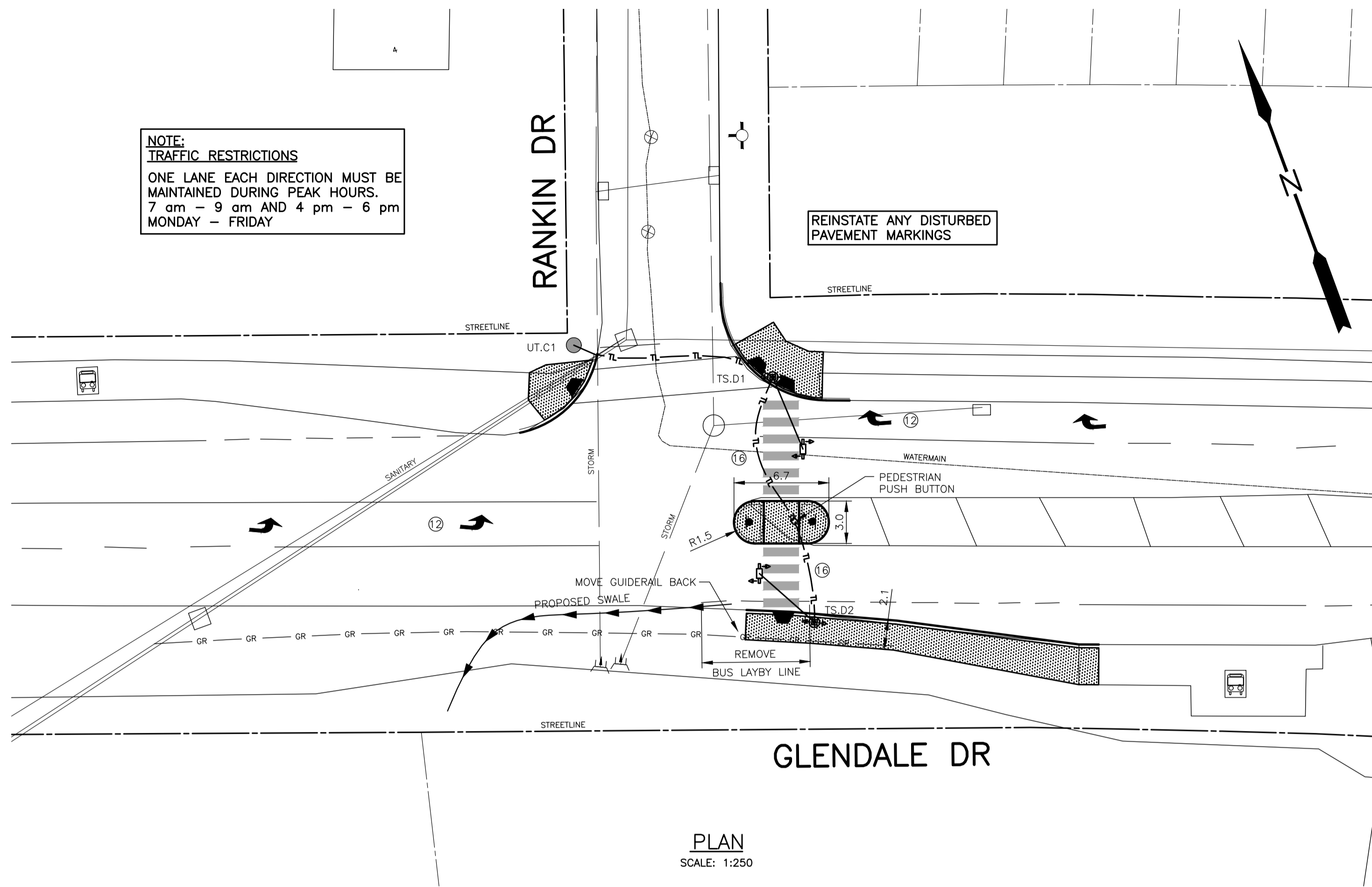


**NOTE:  
TRAFFIC RESTRICTIONS**  
ONE LANE EACH DIRECTION MUST BE MAINTAINED DURING PEAK HOURS.  
7 am - 9 am AND 4 pm - 6 pm  
MONDAY - FRIDAY

**RANKIN DR**

REINSTATE ANY DISTURBED PAVEMENT MARKINGS



**GLENDALE DR**

**PLAN**  
SCALE: 1:250

ACCESS TO HRM TRANSIT BUS STOP MUST BE MAINTAINED. COORDINATE WITH HRM TRANSIT 5 BUSINESS DAYS PRIOR TO ANY SERVICE DISRUPTION

POLE AND BASE SCHEDULE								
POLE	BASE TYPE	B.C. DIA.	TRANSFORMED BASE	POLE HEIGHT*	POLE DIA.	MAST ARM LENGTH	POLE TYPE	COMMENTS
TS.D1	TYPE 70	375 mm	YES (0.61 m)	5.18	200 mm	6.1	ALUMINIUM	NEW BASE, TRAFFIC SIGNAL AND EQUIPMENT
TS.D2	TYPE 70	375 mm	YES (0.61 m)	5.18	200 mm	6.1	ALUMINIUM	NEW BASE, TRAFFIC SIGNAL AND EQUIPMENT

\* POLE HEIGHT DOES NOT INCLUDES THE HEIGHT OF THE TRANSFORMED BASE (0.61 m)

TRAFFIC SIGNAL CONDUIT SCHEDULE			
CONDUIT RUN	APPROXIMATE LENGTH OF RUN (m)	CONDUIT NUMBERS AND SIZES (mm)	CONTENTS OF CONDUIT
UT.C1 - TS.D1	15	2Ø50	POWER
TS-D1 - TS.D2	18	2Ø50	POWER, TRAFFIC SIGNAL

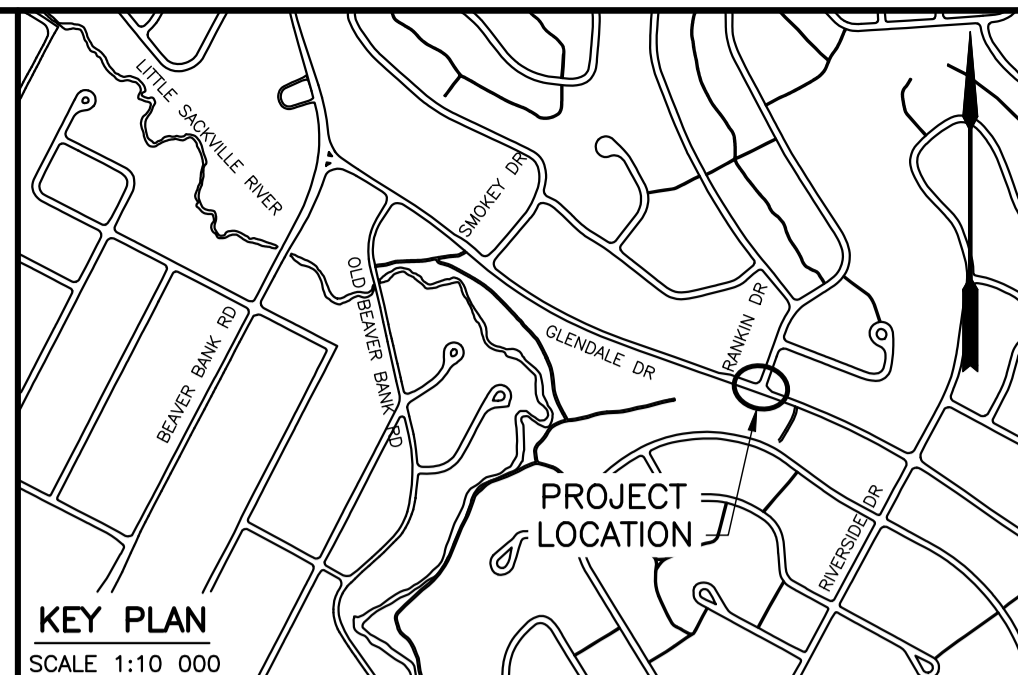
**TRAFFIC NOTES:**

- ALL TRAFFIC SIGNALS, PEDESTRIAN SIGNALS, PEDESTRIAN PUSH BUTTONS, DETECTORS, ETC WIRED BACK TO THE CONTROLLER. FINAL CONNECTIONS TO THE CONTROLLER CABINET, TESTING AND COMMISSIONING COMPLETED BY THE CONTRACTOR IN THE PRESENCE OF THE ENGINEER.
- TRAFFIC SIGNALS AND PEDESTRIAN HEADS HAVE LED LAMPS. PEDESTRIAN HEADS HAVE LED COUNTDOWN PEDESTRIAN SIGNAL MODULES.
- CONDUIT ON ALL WOODEN POLES ARE PROTECTED WITH A CONCRETE POLE SLEEVE USING 35 MPa.
- HANDHOLES PLACED ON OPPOSITE SIDE OF THE PEDESTRIAN PUSH BUTTONS.
- TRANSFORMER BASE DOOR FACES THE SIDEWALK.
- EMPTY CONDUIT CAPPED OFF BELOW GRADE.

PAVEMENT MARKINGS				
IDENTIFICATION	TYPE	WIDTH	COLOUR	QUANTITY
12	ARROW	3/4 TAC SIZE	WHITE	4
16	ZEBRA CROSSWALK	2.5 m x 600 mm LINES, 600 mm SPACING	WHITE	12 m

**RANKIN**  
PAVEMENT REINSTATEMENT (LOCAL)  
40 mm TYPE C-HF ASPHALT  
50 mm TYPE B-HF ASPHALT  
150 mm TYPE 1 GRAVEL  
300 mm TYPE 2 GRAVEL

**GLENDALE**  
PAVEMENT REINSTATEMENT (ARTERIAL)  
50 mm TYPE C-HF ASPHALT  
100 mm TYPE B-HF ASPHALT  
200 mm TYPE 1 GRAVEL  
500 mm TYPE 2 GRAVEL

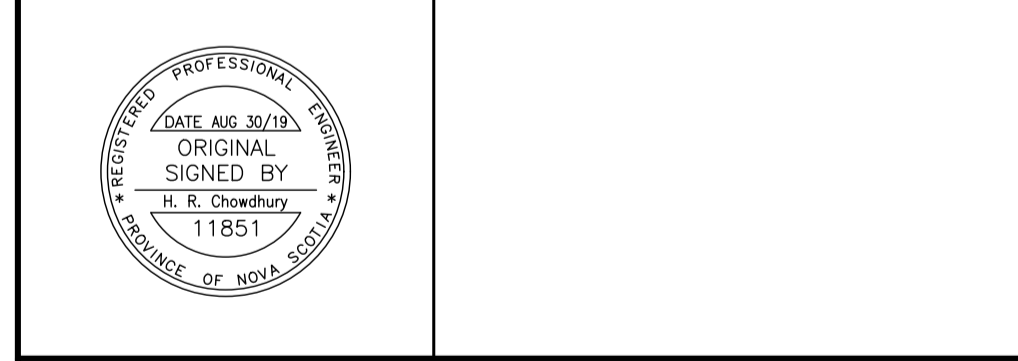


PLAN LEGEND		
EXISTING		PROPOSED
PT NO	SURVEY CONTROL MARKER	
WV	WATERVALVE	
FH	FIRE HYDRANT	
UP	UTILITY POLE AND GUY WIRE	
TL	TRAFFIC STREET LIGHT	
SP	SIGN POST/BASE	
X	FENCE	
RW	RETAINING WALL	
CC	CONCRETE CURB	
SL	STREET LINE	
CM	COMBINED MANHOLE & PIPE	
SM	SANITARY MANHOLE & PIPE	
ST	STORM MANHOLE & PIPE	
CB	CATCHBASIN	
G	GAS MAIN	
C	CONCRETE SURFACE	
A	ASPHALT SURFACE	
EG	EDGE OF GRAVEL SURFACE	
WM	WATERMAIN	
T	TREE	
PR	PEDESTRIAN RAMP	
CB	CONTROLLER BOX	
TP	TRAFFIC SIGNAL POLE	
JB	JUNCTION BOX	
RS	RADAR SYSTEM	
TH	TRAFFIC SIGNAL HEAD	
PH	PEDESTRIAN HEAD	
TL	TRAFFIC SIGNAL CONDUIT	
ET	ELECTRICAL CONDUIT	
SL	STREET LIGHT CONDUIT	
TD	TELECOMMUNICATIONS CONDUIT	
H	HEDGE	

- NOTES**
- PLAN VALUES ARE BASED ON THE NOVA SCOTIA COORDINATE REFERENCING SYSTEM.
  - ALL WORK IS TO BE DONE IN ACCORDANCE WITH HRM CONTRACT DOCUMENTS.
  - GRADES SHOWN ARE APPROXIMATE. FINISHED GRADE IS TO BE APPROVED IN THE FIELD BY THE ENGINEER.
  - UTILITY INFORMATION IS APPROXIMATE ONLY. CONTRACTOR IS RESPONSIBLE TO ARRANGE FOR ON SITE LOCATES WITH ALL UTILITIES PRIOR TO START OF WORK. CONTACT [www.info-ex.com](http://www.info-ex.com) AND OTHERS AS REQUIRED.
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  - THE CONTRACTOR SHALL CHECK AND VERIFY ALL PROPOSED DIMENSIONS BEFORE PROCEEDING WITH CONSTRUCTION. ANY ADJUSTMENTS WILL BE MADE BY THE ENGINEER AS NECESSARY.
  - CONTRACTOR IS RESPONSIBLE FOR SETTING GRADES AND LAYOUT CONTROL.
  - TRAFFIC SIGNS ARE NOT TO BE REMOVED OR REPLACED WITHOUT AUTHORIZATION FROM THE TRAFFIC AUTHORITY AND THE ENGINEER.
  - THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF TREES. TREES ARE NOT TO BE REMOVED WITHOUT PERMISSION FROM THE ENGINEER.
  - WORK IN THE IMMEDIATE AREA OF A NOVA SCOTIA COORDINATE MONUMENT MUST BE CARRIED OUT BY HAND. THE CONTRACTOR IS RESPONSIBLE FOR ANY COSTS IF MONUMENTS ARE DISTURBED.
  - AT COMPLETION OF WORK REINSTATE ALL DISTURBED SURFACES TO THE SATISFACTION OF THE ENGINEER.
  - WATER VALVE BOX EXTENSIONS - THE MINIMUM INSIDE DIAMETER OF A VALVE BOX EXTENSION SHALL BE 125 mm AND THE MINIMUM LENGTH OF A VALVE BOX EXTENSION SHALL BE 300 mm. CONTRACTOR TO CONFIRM APPROPRIATE PRODUCT TO BE USED WITH HALIFAX WATER OPERATIONS DEPARTMENT STAFF.
  - ALL NEW PEDESTRIAN RAMPS TO INCLUDE TACTILE WALKING SURFACE INDICATOR PLATES AS PER HRM DETAIL 131 UNLESS OTHERWISE NOTED.

REVIEWED AND APPROVED FOR TRAFFIC SIGNALS AND PAVEMENT MARKINGS  
Appr'd \_\_\_\_\_ ORIGINAL SIGNED BY \_\_\_\_\_ Date \_\_\_\_\_ AUG 30/19  
for TRAFFIC AUTHORITY

No.	Date	Revision	Description	Appr'd
3	SEPT 19/19		ISSUED FOR CONSTRUCTION	HC
2	AUG 30/19		ISSUED FOR TENDER	HC
1	JULY 22/19		ISSUED FOR PRE-TENDER DESIGN REVIEW	HC

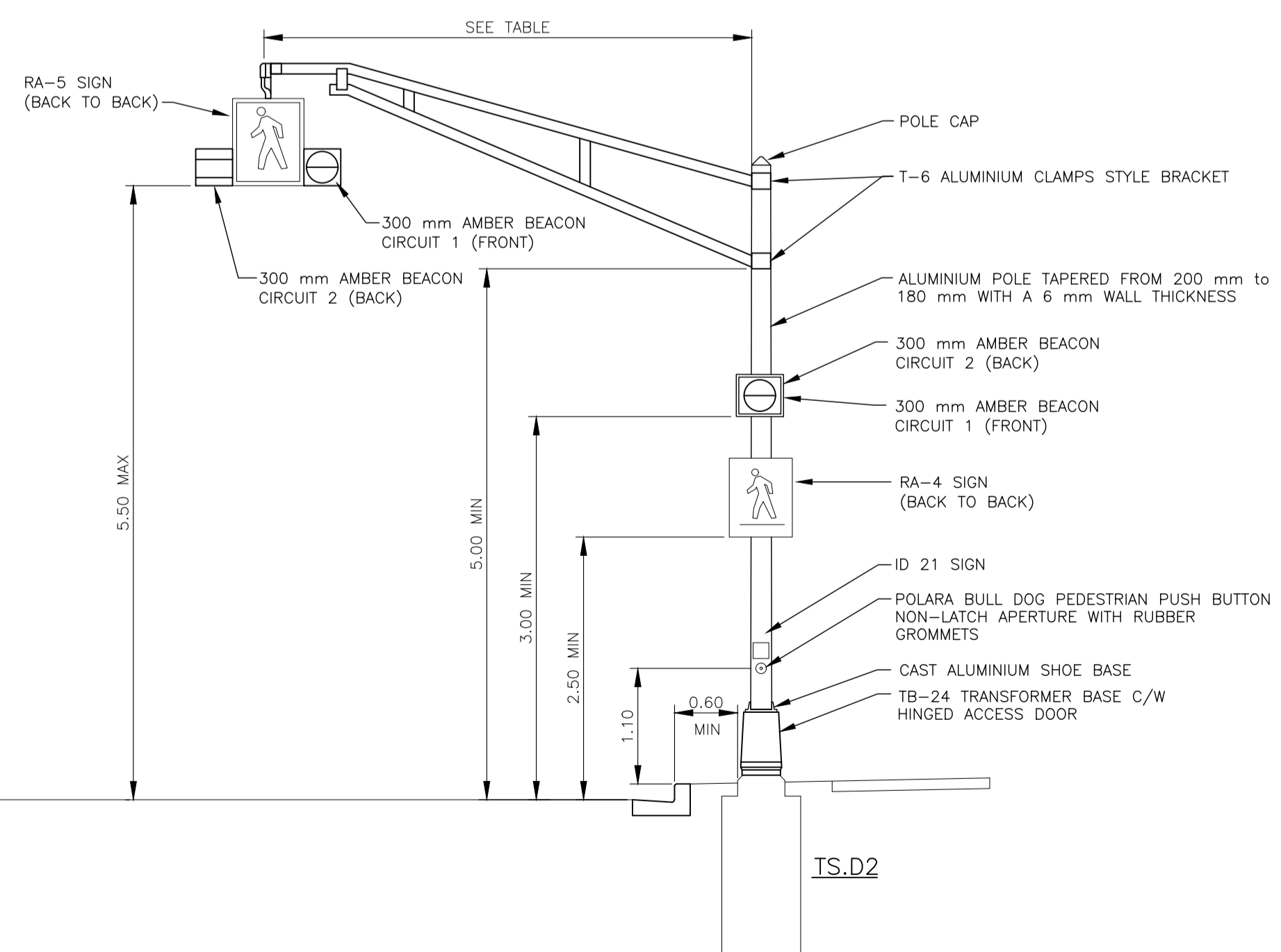
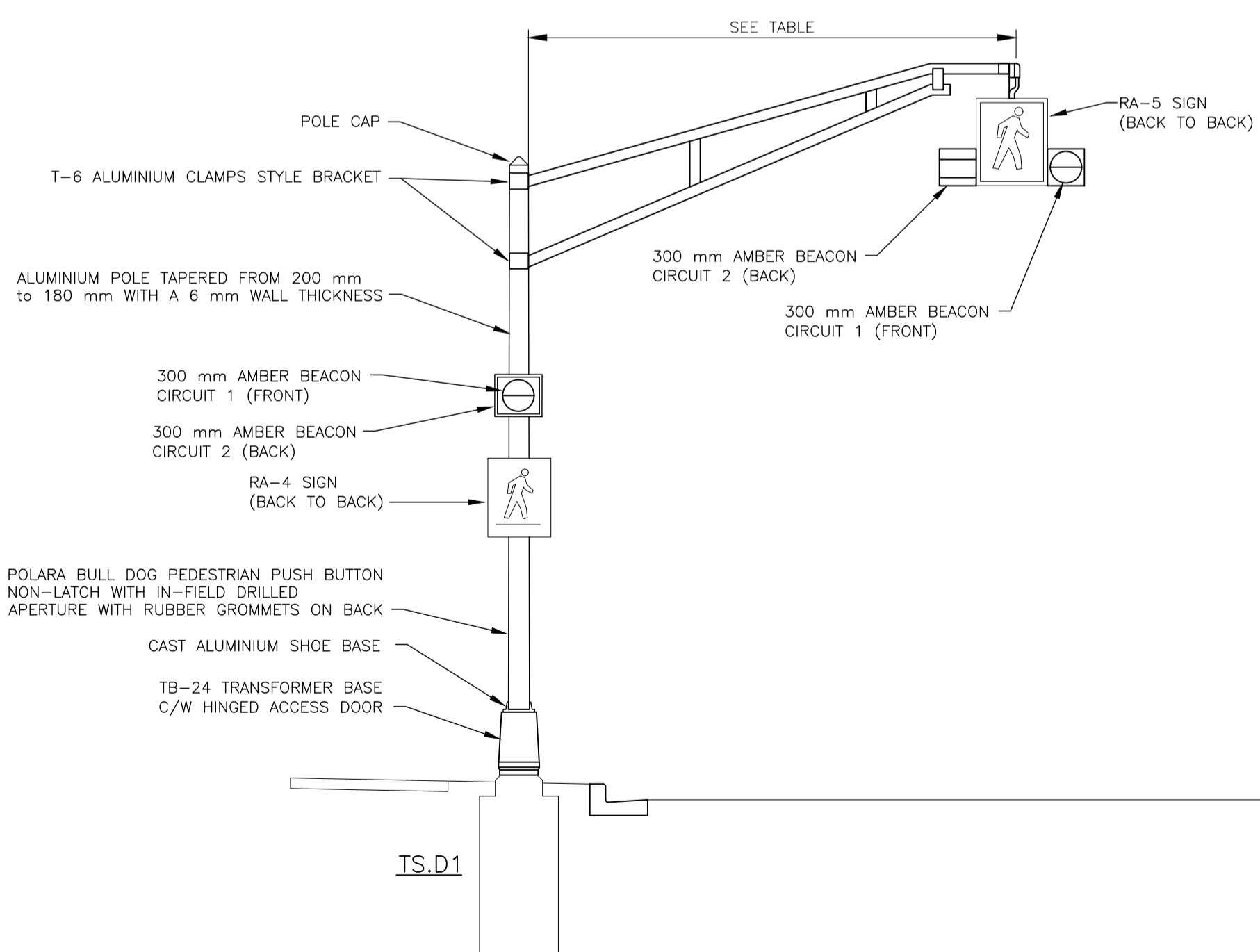


**HALIFAX**

**GLENDALE DR.**  
AT RANKIN DR  
SACKVILLE

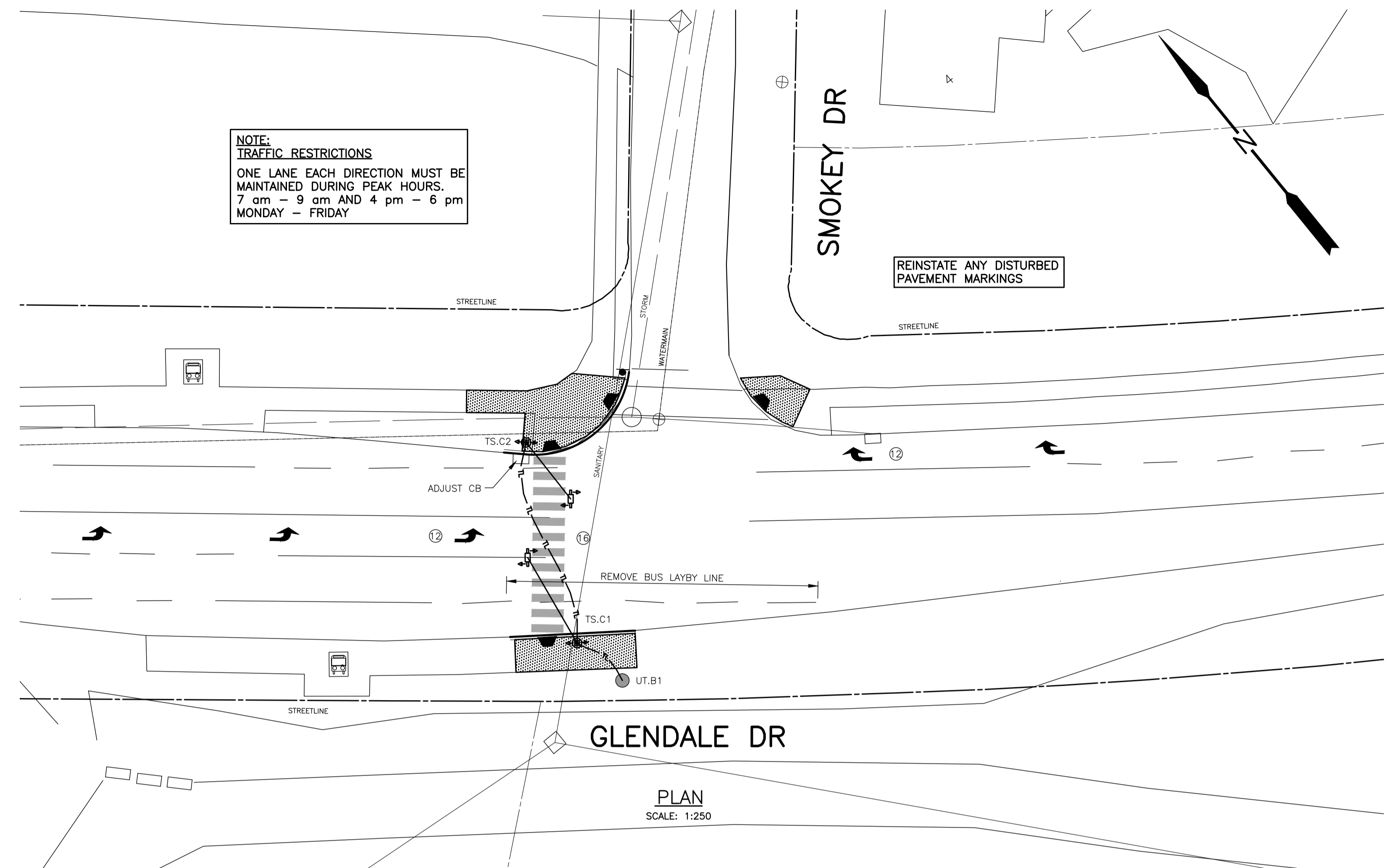
**RA-5 INSTALLATION**

Date	JULY 2019	Drawn	MC	Tender No.	
Scale	AS NOTED	Survey No.	gis	19-267	
Reference		DATUM	HORIZ: NAD83(CSRS)	Sheet 1 OF 4	
Checked		EPOCH	2010.0	Drawing No.	
		3' MTM PROJECTION	ZONE 5	19020301	
		VERT:	CGVD2013		



**RA-5 SIGNAL CONFIGURATION**  
SCALE: 1:50

**NOTE:**  
TRAFFIC RESTRICTIONS  
ONE LANE EACH DIRECTION MUST BE MAINTAINED DURING PEAK HOURS.  
7 am - 9 am AND 4 pm - 6 pm  
MONDAY - FRIDAY



**GLENDALE DR**

PLAN  
SCALE: 1:250

ACCESS TO HRM TRANSIT BUS STOP MUST BE MAINTAINED. COORDINATE WITH HRM TRANSIT 5 BUSINESS DAYS PRIOR TO ANY SERVICE DISRUPTION

POLE AND BASE SCHEDULE								
POLE	BASE TYPE	B.C. DIA.	TRANSFORMED BASE	POLE HEIGHT*	POLE DIA.	MAST ARM LENGTH	POLE TYPE	COMMENTS
TS.C1	TYPE 70	375 mm	YES (0.61 m)	5.18	254 mm	7.6	ALUMINIUM	NEW BASE, TRAFFIC SIGNAL AND EQUIPMENT
TS.C2	TYPE 70	375 mm	YES (0.61 m)	5.18	200 mm	6.1	ALUMINIUM	NEW BASE, TRAFFIC SIGNAL AND EQUIPMENT

\* POLE HEIGHT DOES NOT INCLUDES THE HEIGHT OF THE TRANSFORMED BASE (0.61 m)

TRAFFIC SIGNAL CONDUIT SCHEDULE			
CONDUIT RUN	APPROXIMATE LENGTH OF RUN (m)	CONDUIT NUMBERS AND SIZES (mm)	CONTENTS OF CONDUIT
UT.B1 - TS.C1	4	2Ø50	POWER
TS-C1 - TS.C2	25	2Ø50	POWER, TRAFFIC SIGNAL

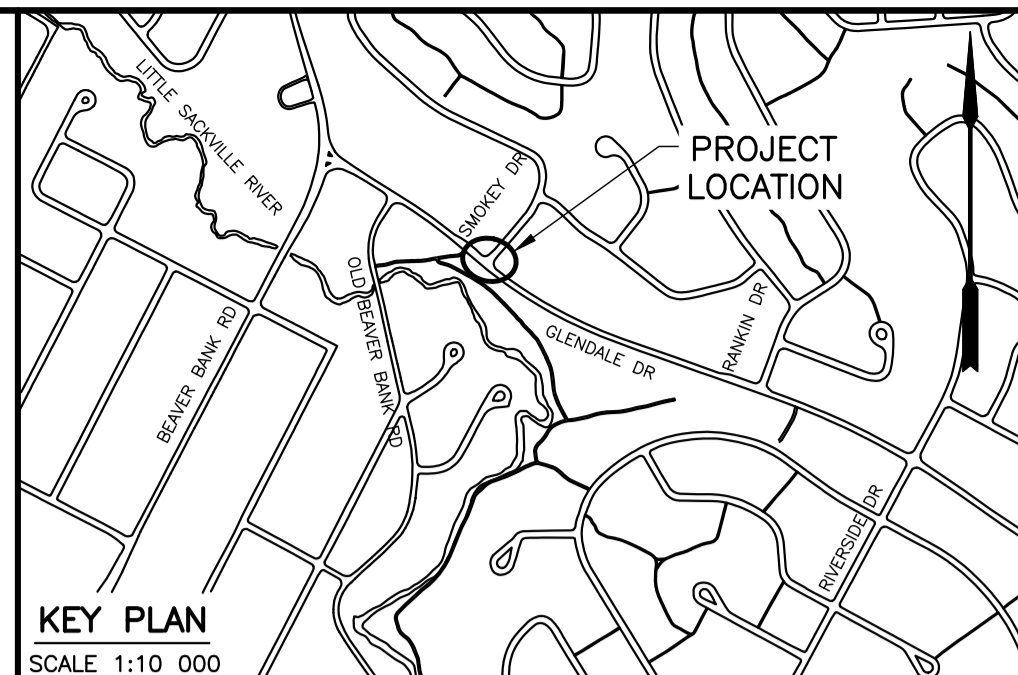
**TRAFFIC NOTES:**

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- HANDHOLES PLACED ON OPPOSITE SIDE OF THE PEDESTRIAN PUSH BUTTONS.
- TRANSFORMER BASE DOOR FACES THE SIDEWALK.
- EMPTY CONDUIT CAPPED OFF BELOW GRADE.

PAVEMENT MARKINGS				
IDENTIFICATION	TYPE	WIDTH	COLOUR	QUANTITY
12	ARROW	3/4 TAC SIZE	WHITE	5
15	ZEBRA CROSSWALK	2.5 m x 800 mm LINES, 800 mm SPACING	WHITE	14 m

**SMOKEY**  
PAVEMENT REINSTATEMENT (MINOR COLLECTOR)  
50 mm TYPE C-HF ASPHALT  
75 mm TYPE B-HF ASPHALT  
150 mm TYPE 1 GRAVEL  
400 mm TYPE 2 GRAVEL

**GLENDALE**  
PAVEMENT REINSTATEMENT (ARTERIAL)  
50 mm TYPE C-HF ASPHALT  
100 mm TYPE B-HF ASPHALT  
200 mm TYPE 1 GRAVEL  
500 mm TYPE 2 GRAVEL



EXISTING		PROPOSED	
PT NO	SURVEY CONTROL MARKER	WATERVALVE	WATERVALVE
FIRE HYDRANT	FIRE HYDRANT	UTILITY POLE AND GUY WIRE	UTILITY POLE AND GUY WIRE
TRAFFIC STREET LIGHT	TRAFFIC STREET LIGHT	SIGN POST/BASE	SIGN POST/BASE
FENCE	FENCE	RETAINING WALL	RETAINING WALL
CONCRETE CURB	CONCRETE CURB	STREET LINE	STREET LINE
COMBINED MANHOLE & PIPE	COMBINED MANHOLE & PIPE	SANITARY MANHOLE & PIPE	SANITARY MANHOLE & PIPE
STORM MANHOLE & PIPE	STORM MANHOLE & PIPE	CATCHBASIN	CATCHBASIN
GAS MAIN	GAS MAIN	CONCRETE SURFACE	CONCRETE SURFACE
ASPHALT SURFACE	ASPHALT SURFACE	EDGE OF GRAVEL SURFACE	EDGE OF GRAVEL SURFACE
WATERMAIN	WATERMAIN	TREE	TREE
PEDESTRIAN RAMP	PEDESTRIAN RAMP	CONTROLLER BOX	CONTROLLER BOX
TRAFFIC SIGNAL POLE	TRAFFIC SIGNAL POLE	JUNCTION BOX	JUNCTION BOX
RADAR SYSTEM	RADAR SYSTEM	TRAFFIC SIGNAL HEAD	TRAFFIC SIGNAL HEAD
PEDESTRIAN HEAD	PEDESTRIAN HEAD	PEDESTRIAN HEAD	PEDESTRIAN HEAD
TRAFFIC SIGNAL CONDUIT	TRAFFIC SIGNAL CONDUIT	ET-ET	ET-ET
STREET LIGHT CONDUIT	STREET LIGHT CONDUIT	SL-SL	SL-SL
TELECOMMUNICATIONS CONDUIT	TELECOMMUNICATIONS CONDUIT	TD-TD	TD-TD
HEDGE	HEDGE		

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  - AT COMPLETION OF WORK REINSTATE ALL DISTURBED SURFACES TO THE SATISFACTION OF THE ENGINEER.
  - WATER VALVE BOX EXTENSIONS - THE MINIMUM INSIDE DIAMETER OF A VALVE BOX EXTENSION SHALL BE 125 mm AND THE MINIMUM LENGTH OF A VALVE BOX EXTENSION SHALL BE 300 mm. CONTRACTOR TO CONFIRM APPROPRIATE PRODUCT TO BE USED WITH HALIFAX WATER OPERATIONS DEPARTMENT STAFF.
  - ALL NEW PEDESTRIAN RAMPS TO INCLUDE TACTILE WALKING SURFACE INDICATOR PLATES AS PER HRM DETAIL 131 UNLESS OTHERWISE NOTED.

REVIEWED AND APPROVED FOR TRAFFIC SIGNALS AND PAVEMENT MARKINGS  
Appr'd \_\_\_\_\_ ORIGINAL SIGNED BY \_\_\_\_\_ Date \_\_\_\_\_ AUG 30/19  
for TRAFFIC AUTHORITY

No.	Date	Revision	Description	Appr'd
3	SEPT 19/19		ISSUED FOR CONSTRUCTION	HC
2	AUG 30/19		ISSUED FOR TENDER	HC
1	JULY 22/19		ISSUED FOR PRE-TENDER DESIGN REVIEW	HC

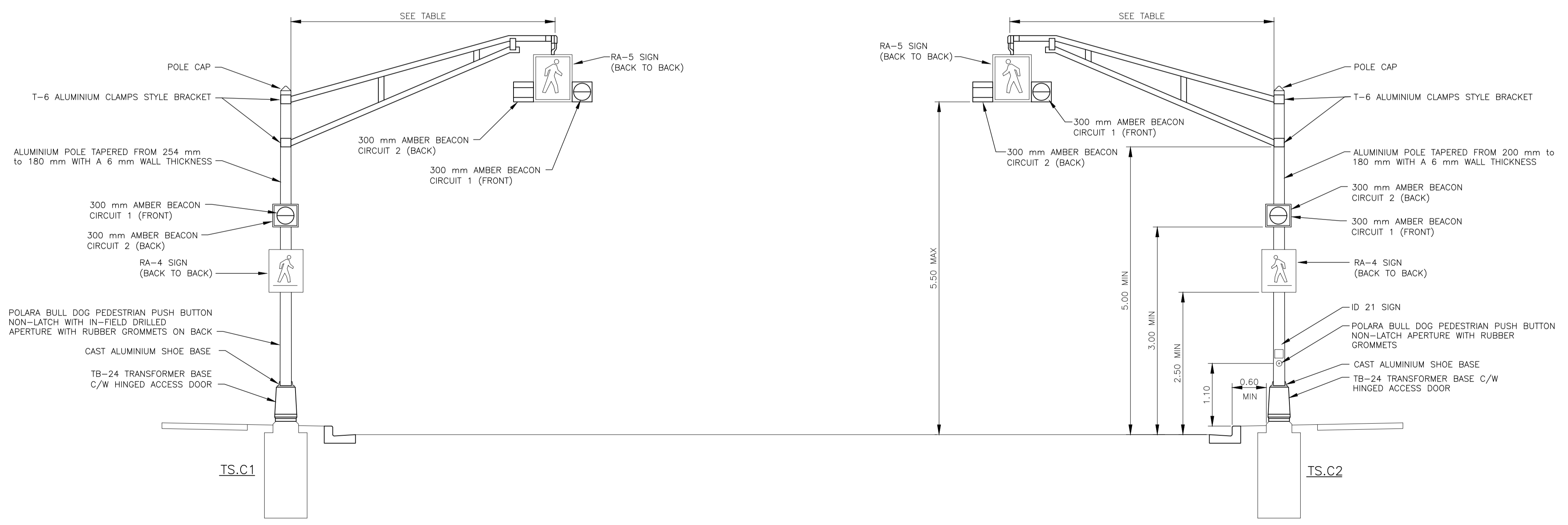


**HALIFAX**

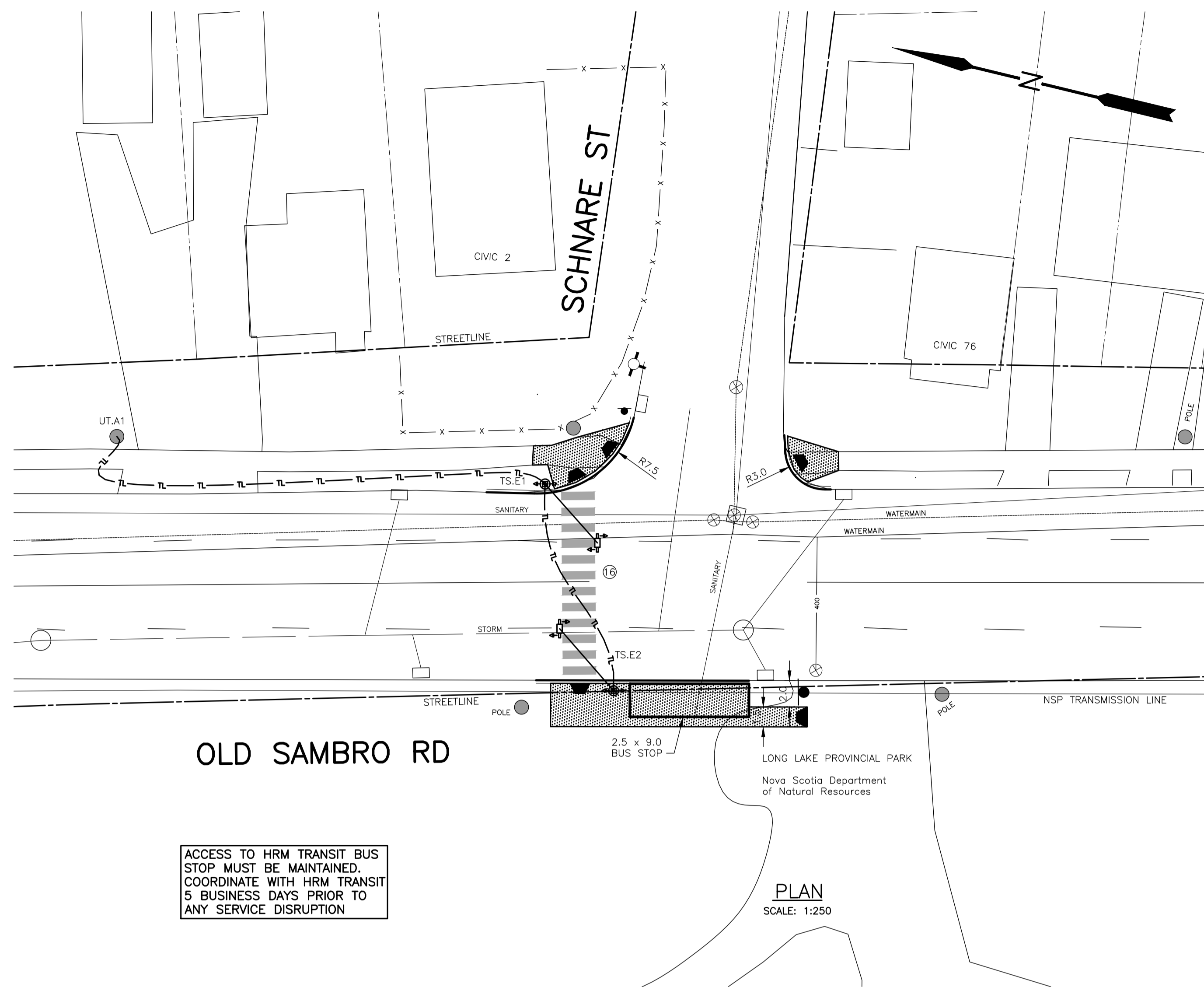
**GLENDALE DR.**  
AT SMOKEY DR  
SACKVILLE

**RA-5 INSTALLATION**

Date	JULY 2019	Drawn	MC	Tender No.	
Scale	AS NOTED	Survey No.			19-267
Reference		DATUM			Sheet 2 OF 4
Checked		HORZ: NAD83(CSRS)			Drawing No.
		EPOCH 2010.0			19020302
		3' MTM PROJECTION			
		ZONE 5			
		VERT: CGVD2013			



**RA-5 SIGNAL CONFIGURATION**  
SCALE: 1:50



POLE AND BASE SCHEDULE								
POLE	BASE TYPE	B.C. DIA.	TRANSFORMED BASE	POLE HEIGHT*	POLE DIA.	MAST ARM LENGTH	POLE TYPE	COMMENTS
TS.E1	TYPE 70	375 mm	NO	5.18	200 mm	6.1	ALUMINIUM	NEW BASE, TRAFFIC SIGNAL AND EQUIPMENT
TS.E2	TYPE 70	375 mm	NO	5.18	200 mm	6.1	ALUMINIUM	NEW BASE, TRAFFIC SIGNAL AND EQUIPMENT

\* POLE HEIGHT DOES NOT INCLUDE THE HEIGHT OF THE TRANSFORMED BASE (0.61 m)

TRAFFIC SIGNAL CONDUIT SCHEDULE			
CONDUIT RUN	APPROXIMATE LENGTH OF RUN (m)	CONDUIT NUMBERS AND SIZES (mm)	CONTENTS OF CONDUIT
UT.A1 - TS.E1	5	2Ø50	POWER
TS-E1 - TS.E2	16	2Ø50	POWER, TRAFFIC SIGNAL

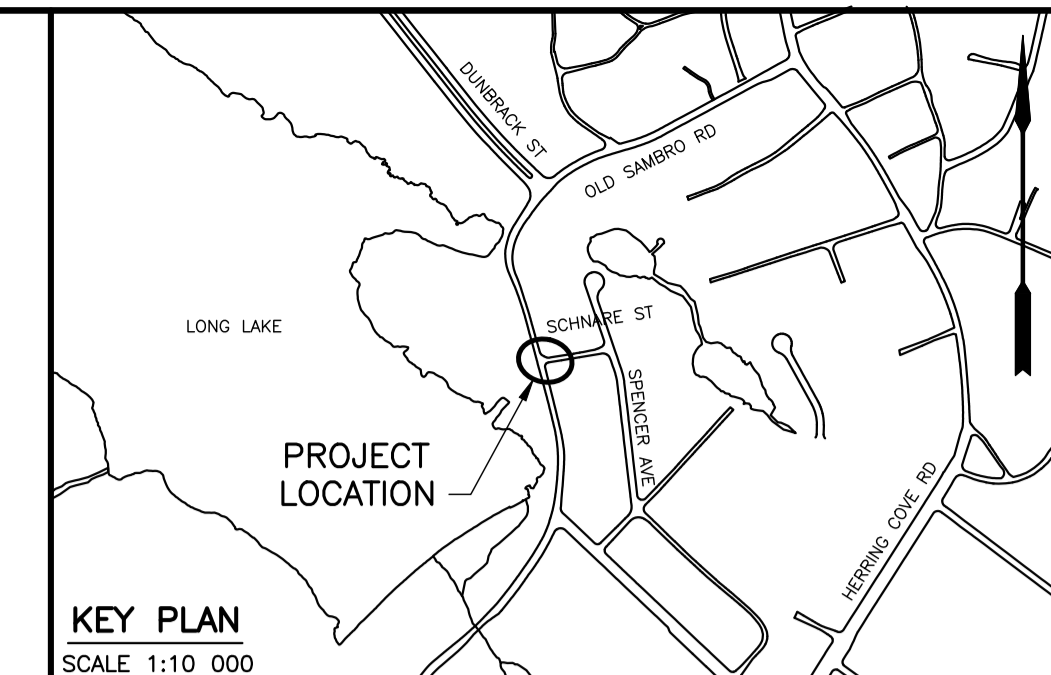
**TRAFFIC NOTES:**

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- TRANSFORMER BASE DOOR FACES THE SIDEWALK.
- EMPTY CONDUIT CAPPED OFF BELOW GRADE.

CONTRACTOR TO COORDINATE WITH NOVA SCOTIA POWER DURING EXCAVATION AND POLE INSTALLATION WORK ON THE WEST SIDE OF OLD SAMBRO ROAD

PAVEMENT MARKINGS				
IDENTIFICATION	TYPE	WIDTH	COLOUR	QUANTITY
19	ZEBRA CROSSWALK	2.5 m x 600 mm LINES, 600 mm SPACING	WHITE	15 m

**OLD SAMBRO  
PAVEMENT REINSTATEMENT  
(ARTERIAL)**  
50 mm TYPE C-HF ASPHALT  
100 mm TYPE B-HF ASPHALT  
200 mm TYPE 1 GRAVEL  
500 mm TYPE 2 GRAVEL

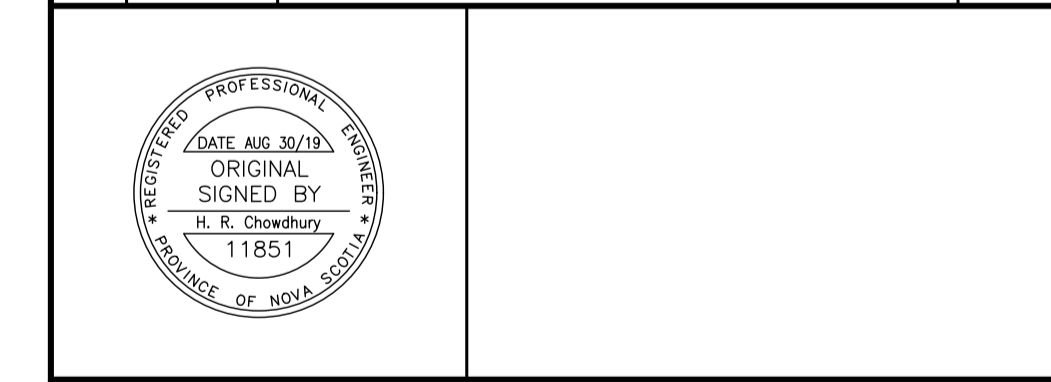


EXISTING		PROPOSED	
PT NO	SURVEY CONTROL MARKER	WATERVALVE	WATERVALVE
FIRE HYDRANT	FIRE HYDRANT	UTILITY POLE AND GUY WIRE	UTILITY POLE AND GUY WIRE
TRAFFIC STREET LIGHT	TRAFFIC STREET LIGHT	SIGN POST/BASE	SIGN POST/BASE
FENCE	FENCE	RETAINING WALL	RETAINING WALL
CONCRETE CURB	CONCRETE CURB	STREET LINE	STREET LINE
COMBINED MANHOLE & PIPE	COMBINED MANHOLE & PIPE	SANITARY MANHOLE & PIPE	SANITARY MANHOLE & PIPE
STORM MANHOLE & PIPE	STORM MANHOLE & PIPE	CATCHBASIN	CATCHBASIN
GAS MAIN	GAS MAIN	CONCRETE SURFACE	CONCRETE SURFACE
ASPHALT SURFACE	ASPHALT SURFACE	EDGE OF GRAVEL SURFACE	EDGE OF GRAVEL SURFACE
WATERMAIN	WATERMAIN	TREE	TREE
PEDESTRIAN RAMP	PEDESTRIAN RAMP	CONTROLLER BOX	CONTROLLER BOX
TRAFFIC SIGNAL POLE	TRAFFIC SIGNAL POLE	JUNCTION BOX	JUNCTION BOX
TRAFFIC SIGNAL HEAD	TRAFFIC SIGNAL HEAD	PEDESTRIAN HEAD	PEDESTRIAN HEAD
TRAFFIC SIGNAL CONDUIT	TRAFFIC SIGNAL CONDUIT	ELECTRICAL CONDUIT	ELECTRICAL CONDUIT
STREET LIGHT CONDUIT	STREET LIGHT CONDUIT	TELECOMMUNICATIONS CONDUIT	TELECOMMUNICATIONS CONDUIT
HEDGE	HEDGE		

- NOTES**
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REVIEWED AND APPROVED FOR TRAFFIC SIGNALS AND PAVEMENT MARKINGS  
Appr'd ORIGINAL SIGNED BY Date AUG 30/19  
for TRAFFIC AUTHORITY

No.	Date	Revision	Description	Appr'd
3	SEPT 19/19		ISSUED FOR CONSTRUCTION	HC
2	AUG 30/19		ISSUED FOR TENDER	HC
1	JULY 22/19		ISSUED FOR PRE-TENDER DESIGN REVIEW	HC

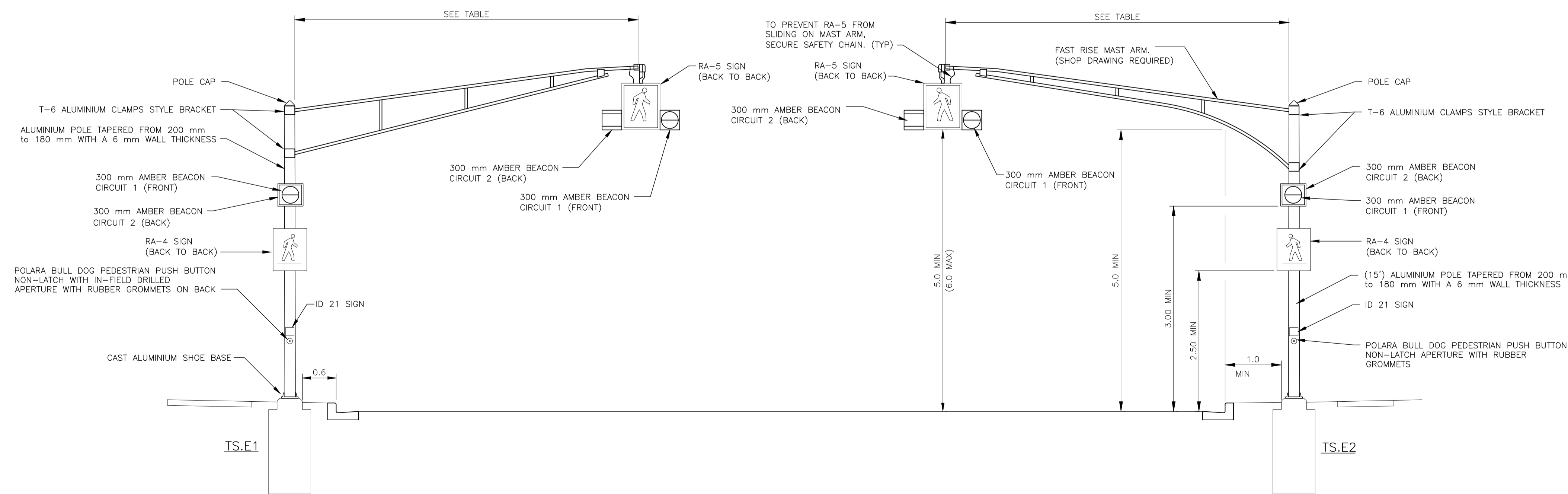


**HALIFAX**

**OLD SAMBRO RD.  
AT SCHNARE ST.  
HALIFAX**

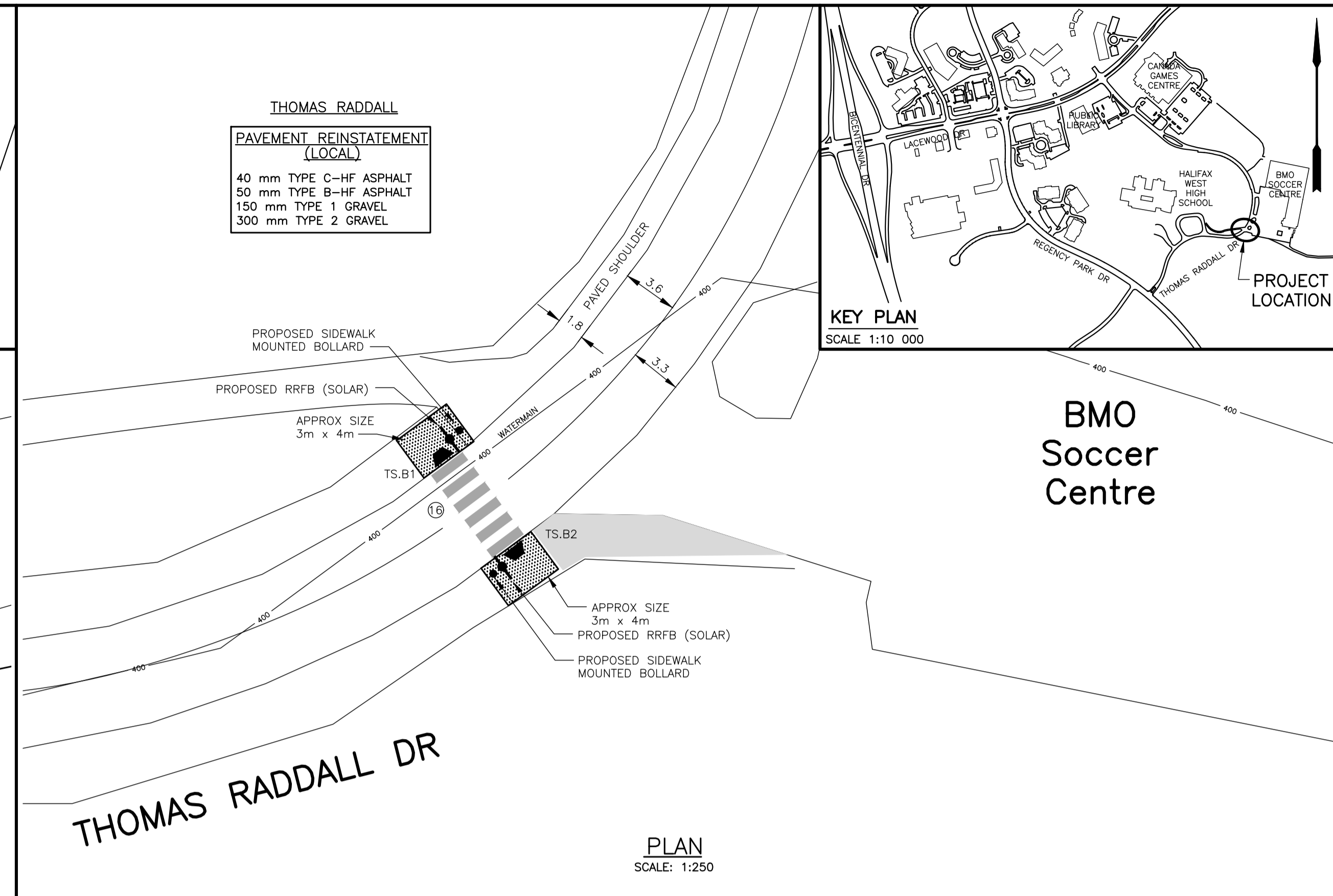
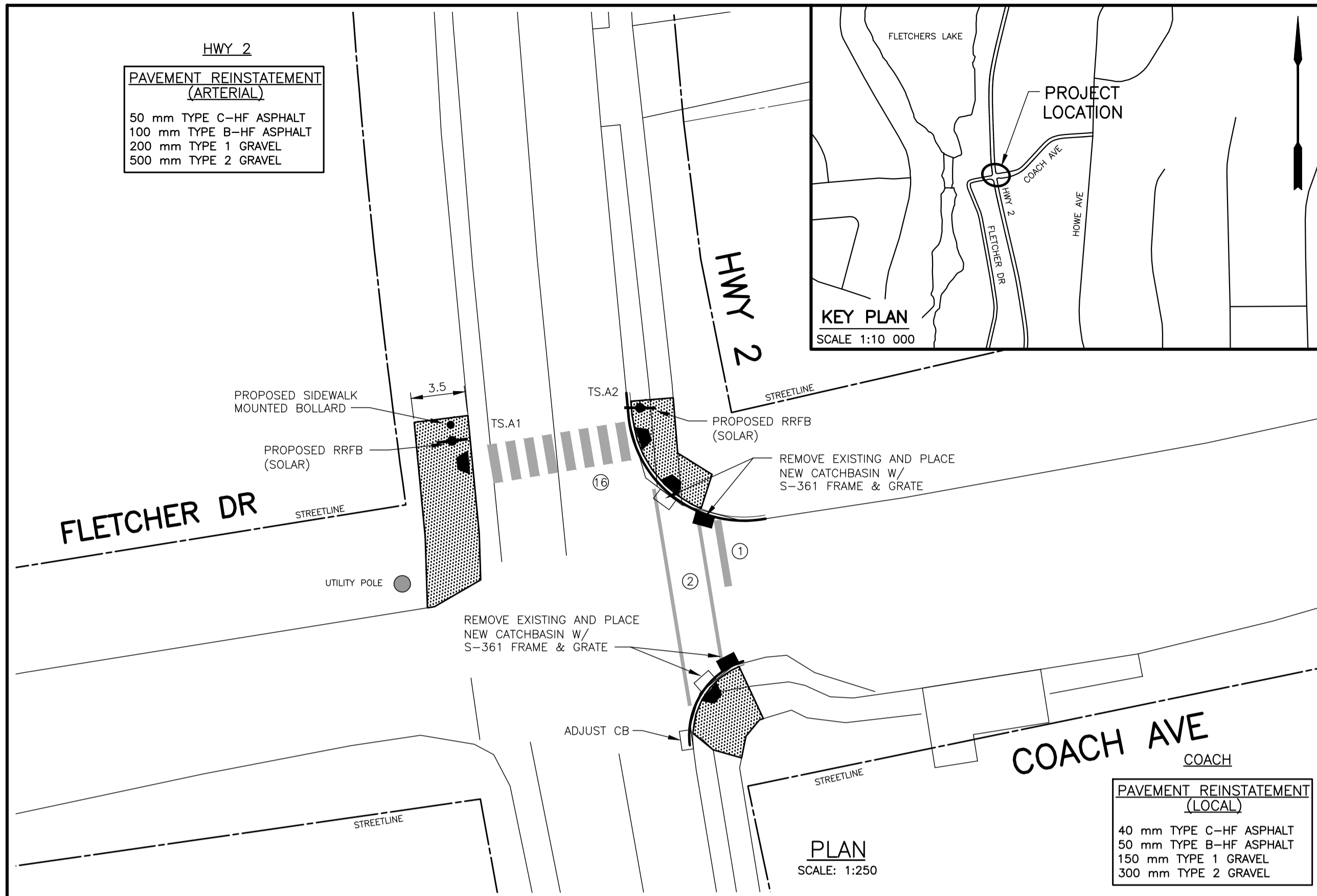
**RA-5 INSTALLATION**

Date	JULY 2019	Drawn	MC	Tender No.	
Scale	AS NOTED	Survey No.	gis		19-267
Reference		DATUM	HORIZ: NAD83(CSRS) EPOCH 2010.0 3' MTM PROJECTION ZONE 5 VERT: CGVD2013		Sheet 3 OF 4
Checked					Drawing No. 19020303



**RA-5 SIGNAL CONFIGURATION**  
SCALE: 1:50





EXISTING		PLAN LEGEND		PROPOSED	
△ PT NO	SURVEY CONTROL MARKER	○	WATERVALVE	○	WATERVALVE
⊕	FIRE HYDRANT	○	UTILITY POLE AND GUY WIRE	○	UTILITY POLE AND GUY WIRE
⊙	TRAFFIC STREET LIGHT	○	SIGN POST/BASE	○	TRAFFIC STREET LIGHT
⊖	FENCE	⊖	RETAINING WALL	⊖	RETAINING WALL
— X — X —	CONCRETE CURB	— X — X —	STREET LINE	— X — X —	CONCRETE CURB
— C — C —	COMBINED MANHOLE & PIPE	— C — C —	SANITARY MANHOLE & PIPE	— C — C —	COMBINED MANHOLE & PIPE
— S — S —	STORM MANHOLE & PIPE	— S — S —	CATCHBASIN	— S — S —	STORM MANHOLE & PIPE
— G — G —	GAS MAIN	— G — G —	CONCRETE SURFACE	— G — G —	GAS MAIN
—	EDGE OF GRAVEL SURFACE	—	ASPHALT SURFACE	—	EDGE OF GRAVEL SURFACE
—	WATERMAIN	—	TREE	—	WATERMAIN
○	PEDESTRIAN RAMP	○	CONTROLLER BOX	○	PEDESTRIAN RAMP
○	TRAFFIC SIGNAL POLE	○	JUNCTION BOX	○	TRAFFIC SIGNAL POLE
○	TRAFFIC SIGNAL HEAD	○	PEDESTRIAN HEAD	○	TRAFFIC SIGNAL HEAD
— TL — TL —	TRAFFIC SIGNAL CONDUIT	— TL — TL —	ELECTRICAL CONDUIT	— TL — TL —	TRAFFIC SIGNAL CONDUIT
— SL — SL —	STREET LIGHT CONDUIT	— SL — SL —	TELECOMMUNICATIONS CONDUIT	— SL — SL —	STREET LIGHT CONDUIT
— TD — TD —	HEDGE	— TD — TD —		— TD — TD —	TELECOMMUNICATIONS CONDUIT

- NOTES**
- PLAN VALUES ARE BASED ON THE NOVA SCOTIA COORDINATE REFERENCING SYSTEM.
  - ALL WORK IS TO BE DONE IN ACCORDANCE WITH HRM CONTRACT DOCUMENTS.
  - GRADES SHOWN ARE APPROXIMATE. FINISHED GRADE IS TO BE APPROVED IN THE FIELD BY THE ENGINEER.
  - UTILITY INFORMATION IS APPROXIMATE ONLY. CONTRACTOR IS RESPONSIBLE TO ARRANGE FOR ON SITE LOCATES WITH ALL UTILITIES PRIOR TO START OF WORK. CONTACT [www.info-nsc.com](http://www.info-nsc.com) AND OTHERS AS REQUIRED.
  - CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO PERFORM WORK AND TO COMPLY WITH ALL APPLICABLE ENVIRONMENTAL REGULATIONS.
  - WHERE EXISTING CONDITIONS ARE SHOWN THEY ARE NOT NECESSARILY ACCURATE OR COMPLETE. THE CONTRACTOR SHALL CONFIRM ALL EXISTING DIMENSIONS AND LOCATIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER.
  - THE CONTRACTOR SHALL CHECK AND VERIFY ALL PROPOSED DIMENSIONS BEFORE PROCEEDING WITH CONSTRUCTION. ANY ADJUSTMENTS WILL BE MADE BY THE ENGINEER AS NECESSARY.
  - CONTRACTOR IS RESPONSIBLE FOR SETTING GRADES AND LAYOUT CONTROL.
  - TRAFFIC SIGNS ARE NOT TO BE REMOVED OR REPLACED WITHOUT AUTHORIZATION FROM THE TRAFFIC AUTHORITY AND THE ENGINEER.
  - THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF TREES. TREES ARE NOT TO BE REMOVED WITHOUT PERMISSION FROM THE ENGINEER.
  - WORK IN THE IMMEDIATE AREA OF A NOVA SCOTIA COORDINATE MONUMENT MUST BE CARRIED OUT BY HAND. THE CONTRACTOR IS RESPONSIBLE FOR ANY COSTS IF MONUMENTS ARE DISTURBED.
  - AT COMPLETION OF WORK REINSTATE ALL DISTURBED SURFACES TO THE SATISFACTION OF THE ENGINEER.
  - WATER VALVE BOX EXTENSIONS - THE MINIMUM INSIDE DIAMETER OF A VALVE BOX EXTENSION SHALL BE 125 mm AND THE MINIMUM LENGTH OF A VALVE BOX EXTENSION SHALL BE 300 mm. CONTRACTOR TO CONFIRM APPROPRIATE PRODUCT TO BE USED WITH HALIFAX WATER OPERATIONS DEPARTMENT STAFF.
  - ALL NEW PEDESTRIAN RAMPS TO INCLUDE TACTILE WALKING SURFACE INDICATOR PLATES AS PER HRM DETAIL 131 UNLESS OTHERWISE NOTED.

**TRAFFIC SIGNAL POLE AND BASE SCHEDULE (HWY 2 @ COACH AVE/FLETCHER DR)**

POLE	BASE TYPE	B.C. DIA.	TRANSFORMER BASE	POLE HEIGHT	POLE DIA.	POLE TYPE	COMMENTS
TS.A1	N/A	N/A	N/A	4.57	100 mm	STEEL	INSTALL NEW BASE, POLE, RECTANGULAR RAPID FLASHING BEACON SIGNAL AND EQUIPMENT
TS.A2	N/A	N/A	N/A	4.57	100 mm	STEEL	INSTALL NEW BASE, POLE, RECTANGULAR RAPID FLASHING BEACON SIGNAL AND EQUIPMENT

**PAVEMENT MARKINGS**

IDENTIFICATION	TYPE	WIDTH	COLOUR	QUANTITY
①	STOP BAR	450 mm	WHITE	5 m
②	CROSSWALK LINE	200 mm x 2	WHITE	12 m
⑬	ZEBRA CROSSWALK	2.5 m x 600 mm LINES, 600 mm SPACING	WHITE	10 m

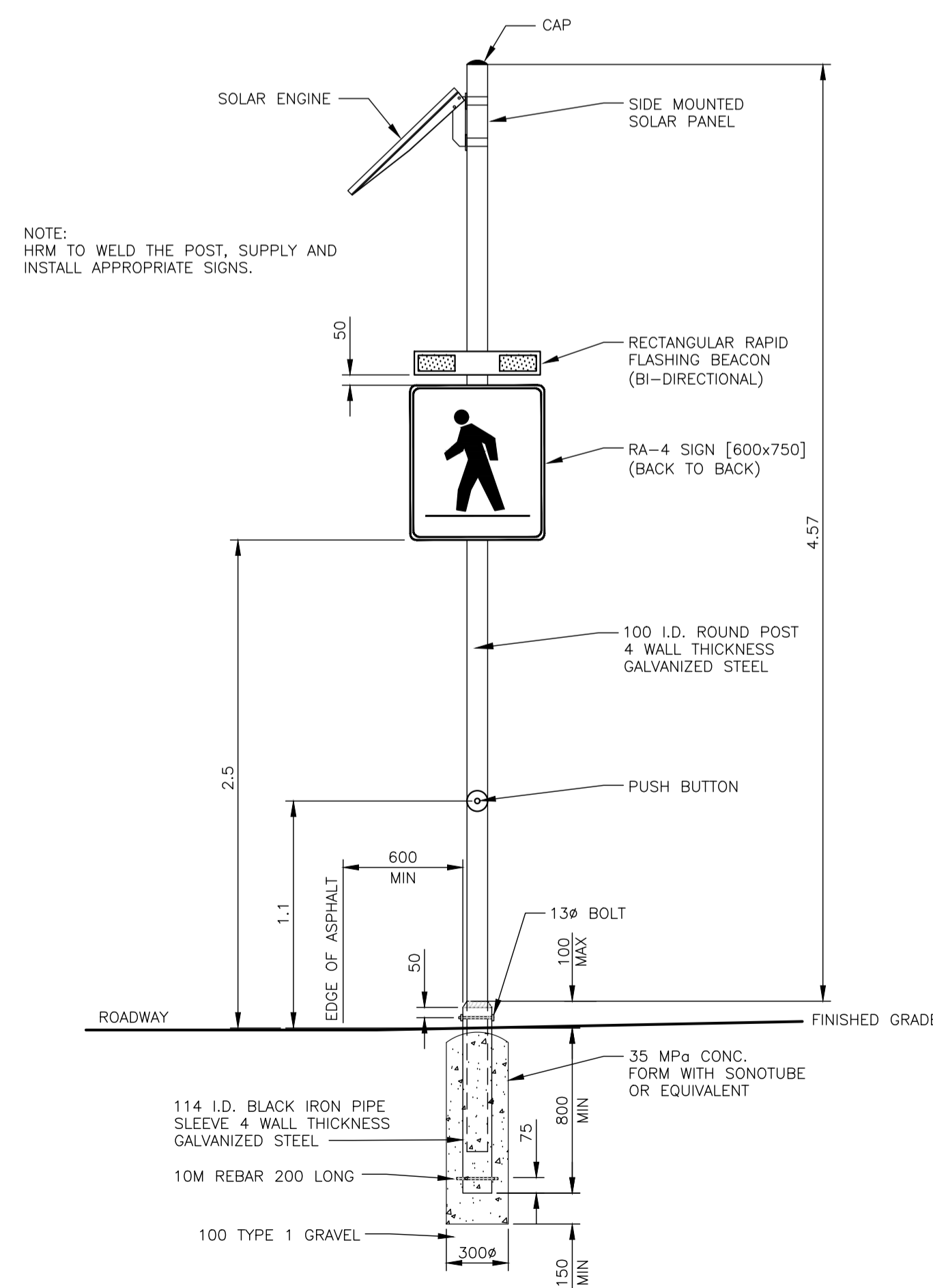
**TRAFFIC SIGNAL POLE AND BASE SCHEDULE (THOMAS RADDALL @ BMO)**

POLE	BASE TYPE	B.C. DIA.	TRANSFORMER BASE	POLE HEIGHT	POLE DIA.	POLE TYPE	COMMENTS
TS.B1	N/A	N/A	N/A	4.57	100 mm	STEEL	INSTALL NEW BASE, POLE, RECTANGULAR RAPID FLASHING BEACON SIGNAL AND EQUIPMENT
TS.B2	N/A	N/A	N/A	4.57	100 mm	STEEL	INSTALL NEW BASE, POLE, RECTANGULAR RAPID FLASHING BEACON SIGNAL AND EQUIPMENT

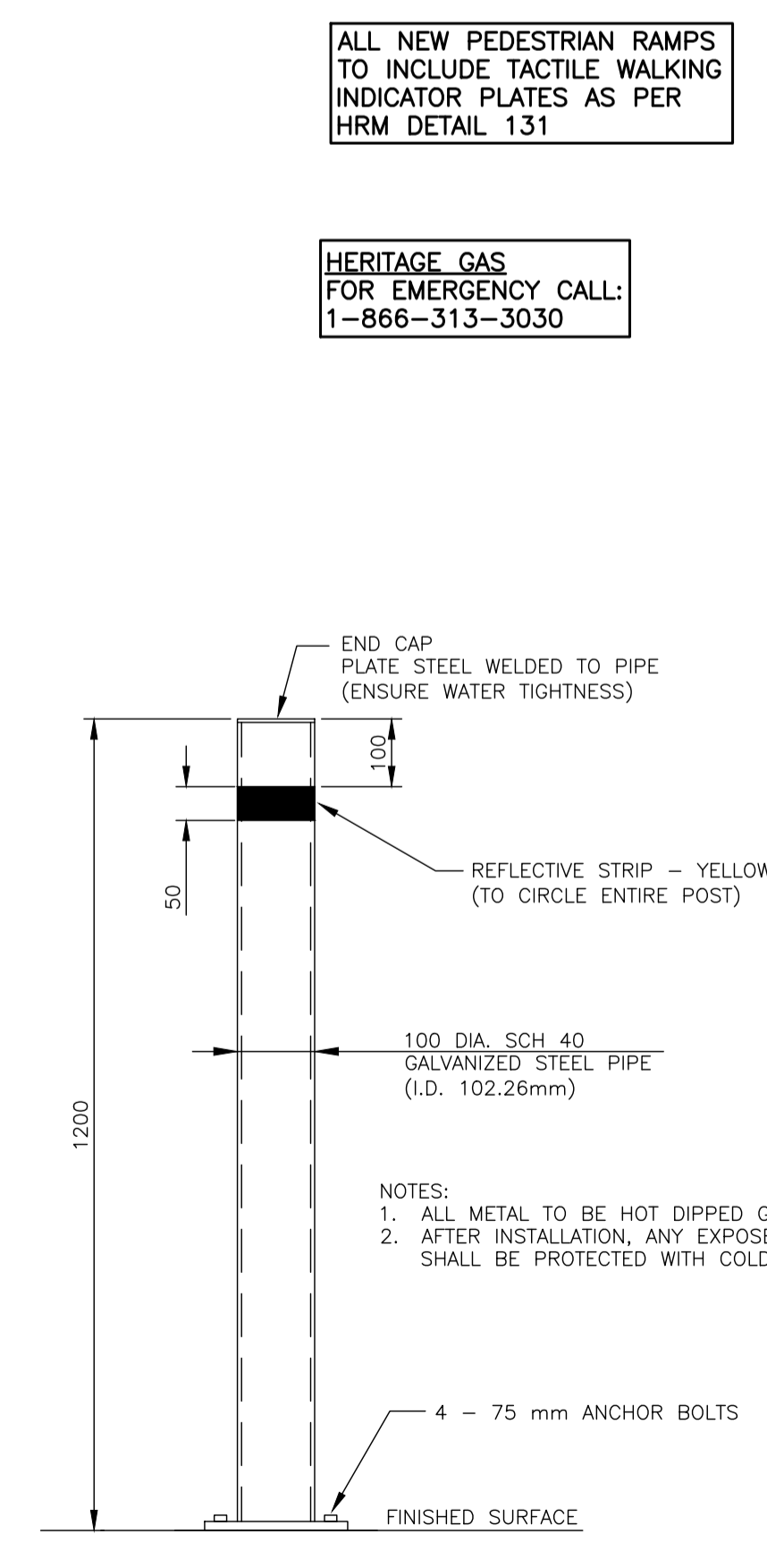
**PAVEMENT MARKINGS**

IDENTIFICATION	TYPE	WIDTH	COLOUR	QUANTITY
⑬	ZEBRA CROSSWALK	2.5 m x 600 mm LINES, 600 mm SPACING	WHITE	7 m

- TRAFFIC NOTES:**
- CONTRACTOR TO WIRE ALL TRAFFIC SIGNALS, PEDESTRIAN SIGNALS, PEDESTRIAN PUSH BUTTONS, DETECTORS, ETC BACK TO THE CONTROLLER. FINAL CONNECTIONS TO THE CONTROLLER CABINET, TESTING AND COMMISSIONING TO BE COMPLETED BY THE CONTRACTOR IN THE PRESENCE OF THE ENGINEER.
  - ALL BEACONS SHALL BE LED.
  - LAYOUT OF POLES AND DETECTORS IS APPROXIMATE. CONFIRM LOCATION IN FIELD WITH ENGINEER PRIOR TO INSTALLATION.
  - ALL EXISTING EQUIPMENT NOT TO BE REUSED ARE TO BE DISMANTLED AND RETURNED TO HRM'S MACKINTOSH STREET DEPOT BY THE CONTRACTOR.
  - CONDUIT ON ALL WOODEN POLES TO BE PROTECTED WITH A CONCRETE POLE SLEEVE USING 35 MPa.
  - CONTRACTOR TO MAINTAIN SAFE AND ACCESSIBLE PEDESTRIAN ACCESS THROUGH PROJECT AREA AT ALL TIMES AT NO ADDITIONAL COST TO HRM.
  - EMPTY CONDUIT TO BE CAPPED OFF BELOW GRADE UNLESS OTHERWISE NOTED.
  - EXERCISE CAUTION WHEN CROSSING UNDERGROUND UTILITIES.
  - CONTRACTOR TO MAINTAIN AND RECONNECT ANY IMPACTED CONDUIT AND WIRES.
  - HOT TEST TO BE COMPLETED IN THE PRESENCE OF THE ENGINEER.



**RECTANGULAR RAPID-FLASHING BEACON SIGNAL CONFIGURATION**  
SCALE: 1:25



**SURFACE MOUNTED BOLLARD**  
SCALE: 1:10

ALL NEW PEDESTRIAN RAMPS TO INCLUDE TACTILE WALKING INDICATOR PLATES AS PER HRM DETAIL 131

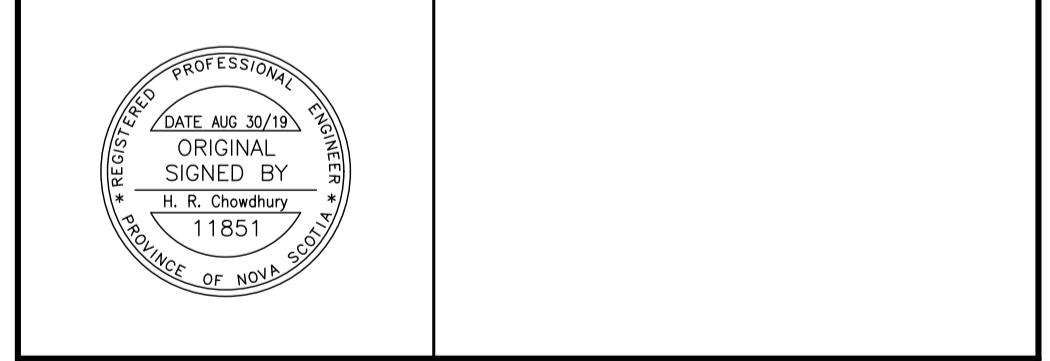
HERITAGE GAS FOR EMERGENCY CALL: 1-866-313-3030

REVIEWED AND APPROVED FOR TRAFFIC SIGNALS AND PAVEMENT MARKINGS

Appr'd \_\_\_\_\_ ORIGINAL SIGNED BY \_\_\_\_\_ Date \_\_\_\_\_ AUG 30/19

for TRAFFIC AUTHORITY

No.	Date	Revision	Description	Appr'd
3	SEPT 19/19		ISSUED FOR CONSTRUCTION	HC
2	AUG 30/19		ISSUED FOR TENDER	HC
1	JULY 22/19		ISSUED FOR PRE-TENDER DESIGN REVIEW	HC



**HALIFAX**

**VARIOUS LOCATIONS**  
THOMAS RADDALL DR @ BMO  
AND  
HIGHWAY No.2 @ COACH AVE.

**RECTANGULAR RAPID FLASHING BEACONS**

Date	Drawn	Tender No.
JULY 2019	MC	19-267
Scale	Survey No.	Sheet
AS NOTED	gis	4 OF 4
Reference	DATUM	Drawing No.
	HORIZ: NAD83(CSRS) EPOCH 2010.0 3' MTM PROJECTION ZONE 5 VERT: CGVD2013	19020304
Checked		