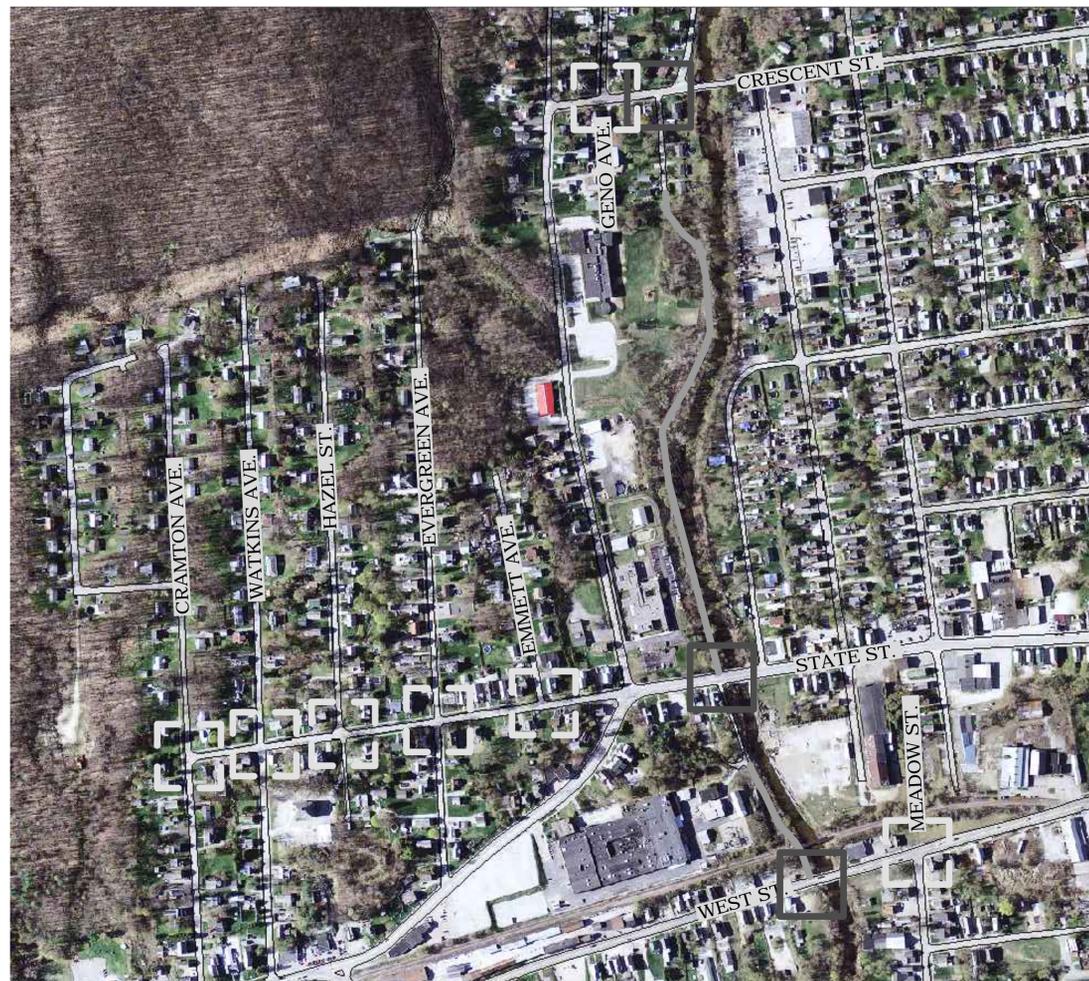
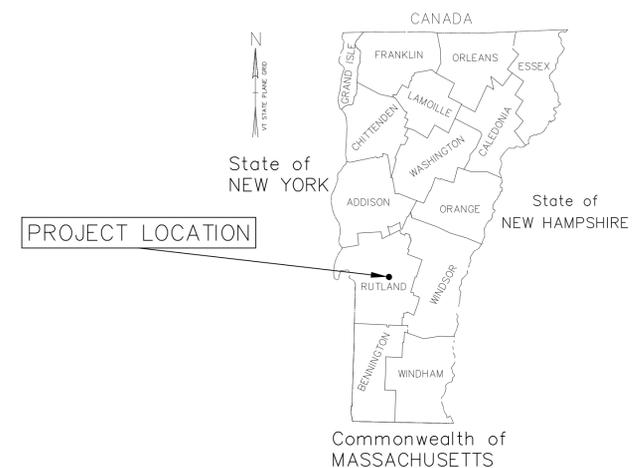


Rutland TAP TA 14(5) RUTLAND CREEK PATH ACCESS SAFETY IMPROVEMENTS

THIS PROJECT INVOLVES THE INSTALLATION OF RECTANGULAR RAPID FLASHING BEACONS AT THE INTERSECTION OF THE RUTLAND CREEK PATH WITH CRESCENT, STATE AND WEST STREETS. IT ALSO INCLUDES THE SIDEWALK RAMP IMPROVEMENTS AT VARIOUS INTERSECTIONS THAT ARE DIRECTLY CONNECTED TO PATRON TRAFFIC TO THE CREEK PATH.



OVERALL PROJECT MAP



City of Rutland



DEPARTMENT OF PUBLIC WORKS

52 Washinton Street
Rutland, VT 05702
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Jeffrey Wennberg
Commissioner

James Rotondo, P.E.
City Engineer

*Rutland Creek Path Access
Safety Improvements*
TAP TA 14(5)

SHEET INDEX

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REQUIRED VTRANS STANDARDS

C-3A	SIDEWALK RAMPS
C-3B	SIDEWALK RAMPS AND MEDIAN ISLAND
C-10	CURBING

**PRELIMINARY
PLANS**

No.	Revision Description	Date
1	1st Review Modifications	06/20/16

Title Page

Project number TAP TA 14(5)
Date 6-20-2016
Drawn by NS
Checked by JR

1

NTS

GENERAL NOTES:

1. RIGHT OF WAY LIMITS SHOWN ARE EXISTING AND CONSIDERED APPROXIMATE. LIMITS WERE DETERMINED FROM TOWN TAX MAPPING.

2. ALL EXISTING SIGNS SHALL BE RETAINED UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER.

3. DIG SAFE NOTE: UTILITIES ARE NOT SHOWN ON PLANS. CONTRACTORS MUST CONTACT "DIG SAFE" AT 1(888) 344-7233 [1(888) DIG-SAFE] BEFORE EXCAVATING. IF BEACON LOCATION IS IN CONFLICT WITH UNDERGROUND UTILITIES, THE SIGN LOCATION SHALL BE ADJUSTED TO ELIMINATE THE CONFLICT. FINAL SIGN LOCATION SHALL BE REVIEWED AND APPROVED BY CITY ENGINEER.

4. CONTRACTOR SHALL CONTACT THE CITY A MINIMUM OF ONE WEEK IN ADVANCE OF PLANNED CONSTRUCTION.

5. CARE SHALL BE TAKEN TO AVOID DAMAGE TO NEARBY FENCES, BUILDINGS, MONUMENTS, IRON PINS, AND ANY OTHER APPURTENANCES DURING CONSTRUCTION. DAMAGE CAUSED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

6. IF PROPERTY INCLUDING BUT NOT LIMITED TO IRON PINS, FENCES, BUILDINGS, MONUMENTS, ETC. NEEDS TO BE TEMPORARILY RELOCATED DURING CONSTRUCTION, CONTRACTOR SHALL DOCUMENT EXACT LOCATION AND RESET IN THE SAME LOCATION UPON COMPLETION OF THE WORK. PROPERTY SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER. COST TO COMPLETE THIS WORK SHALL BE INCIDENTAL TO ALL OTHER CONTRACT ITEMS.

7. CONTRACTOR SHALL PROVIDE AT LEAST ONE WEEK NOTICE TO ADJACENT PROPERTY OWNERS AND BUSINESSES PRIOR TO BEGINNING WORK. CONTRACTOR SHALL WORK WITH PROPERTY OWNER TO MAINTAIN ACCESS TO PROPERTY AT ALL TIMES. COST TO COMPLETE THIS WORK SHALL BE INCIDENTAL TO ALL OTHER CONTRACT ITEMS.

SIDEWALK NOTES:

8. CROSSWALK RAMPS AND DETECTABLE WARNING SURFACES SHALL BE CONSTRUCTED IN ACCORDANCE WITH VTRANS STD DRAWINGS C-3A AND C-3B AND THE DETAILS SHOWN ON PLAN SHEETS. DETECTABLE WARNING SURFACES SHALL BE CAST IRON.

9. EXCAVATION AND REMOVAL OF ALL NEEDED SITE MATERIAL WILL BE CONSIDERED INCIDENTAL TO ALL OTHER CONTRACT ITEMS.

10. IN AREAS WHERE DISTURBED AND ADJACENT TO NEWLY CONSTRUCTED SIDEWALK, CONTRACTOR TO PROVIDE A MINIMUM OF 3" OF TOPSOIL, APPLY SEED AND FERTILIZER. COST WILL BE CONSIDERED INCIDENTAL ALL OTHER CONTRACT ITEMS.

11. PAYMENT FOR SAW CUTTING PAVEMENT REQUIRED FOR REMOVAL OR INSTALLATION OF CONTRACT ITEMS SHALL BE INCIDENTAL TO ALL OTHER ITEMS.

12. PAVEMENT PATCHING NECESSARY FOR REMOVAL OR INSTALLATION OF CONTRACT ITEMS SHALL BE INCIDENTAL TO ALL OTHER ITEMS.

13. CONTRACTOR SHALL RESTORE PROPERTY IN AN ACCEPTABLE MANNER SATISFACTORY TO THE ENGINEER. ALL COSTS FOR THIS WORK IS CONSIDERED INCIDENTAL TO ALL OTHER ITEMS.

FLASHING BEACON NOTES:

14. ALL BEACONS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

15. INSTALLATION SHALL NOT INTERFERE WITH THE VISIBILITY AND GENERAL EFFECTIVENESS OF ANY OTHER SIGNS IN THE AREA.

16. ALL ELEMENTS OF THE ASSEMBLY SHALL CONFORM TO THE STANDARDS AS OUTLINED IN THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

17. THE CONTRACTOR SHALL SUBMIT FABRICATION DRAWINGS FOR THE FLASHING BEACON FOUNDATIONS AND POSTS. FOUNDATION AND POST DESIGNS SHALL BE COMPLETED BY A REGISTERED PROFESSIONAL ENGINEER.

18. ALL SIGNS TO BE SOLAR POWERED WITH BATTERY BACKUP SYSTEM. CONTRACTOR SHALL PROVIDE ALL INFORMATION REQUIRED FOR SOLAR PANEL DESIGN TO THE SIGN MANUFACTURER, AND PROVIDE PANEL SIZING CALCULATIONS FROM MANUFACTURER TO ENGINEER FOR REVIEW. SIGNS SHALL NOT BE ORDERED UNTIL DRAWINGS AND CALCULATIONS ARE REVIEWED AND APPROVED BY ENGINEER.

TRAFFIC CONTROL NOTES:

19. THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A SITE SPECIFIC TRAFFIC CONTROL PLAN. THE PLAN SHALL BE SUBMITTED TO THE ENGINEER A WEEK PRIOR TO WORK COMMENCING. THE PLAN SHALL INDICATE ANY NEEDED SIGNS OR OTHER CONTROL DEVICES.

20. ALL COSTS FOR TRAFFIC CONTROL PLANS AND DEVICES SHALL BE CONSIDERED INCIDENTAL TO ALL OTHER CONTRACT ITEMS.

21. ALL SIGNS AND DEVICES SHALL BE IN ACCORDANCE WITH THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE "STANDARD HIGHWAY SIGNS AND MARKINGS" BOOK (SHSM) PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION (FHWA).

22. CONSTRUCTION SIGNS SHALL BE ERECTED BEFORE THE START OF ANY WORK. EACH SIGN SHALL BE ERECTED IN A NEAT AND WORKMANLIKE MANNER. SIGNS SHALL BE REMOVED UPON THE COMPLETION OF THE WORK IN A TIMELY MANNER.

23. DURING NON-WORK PERIODS, ALL EQUIPMENT AND MATERIALS SHALL BE MOVED TO A LOCATION OFF OF PAVED SHOULDERS AND PROTECTED BY A TRAFFIC BARRIER OR GUARDRAIL. NO MATERIAL MAY BE STORED ON SITE UNLESS APPROVED BY ENGINEER.

PEDESTRIAN TRAFFIC CONTROL NOTES:

24. ANY SIDEWALK CLOSURES SHALL MEET THE REQUIREMENTS OF THE MUTCD, PART 6.

25. PEDESTRIAN ACCESS SHALL BE PROVIDED TO ALL ADJACENT PROPERTIES, BUILDINGS, RESIDENCIES, AND COMMERCIAL PROPERTIES AT ALL TIMES.

26. IF SIDEWALKS ARE CLOSED, SIGNS AND BARRICADES SHALL BE USED TO PROVIDE ADVANCED NOTICE OF THE CLOSURE AND THE ROUTE OF ANY PEDESTRIAN DETOURS.

27. THE CONTRACTOR SHALL NOT STORE OR PLACE ANY CONSTRUCTION MATERIALS, EQUIPMENT, OR SIGNS AS TO POSE A PEDESTRIAN HAZARD.

28. THE CONTRACTOR'S OPERATIONS SHALL NOT OCCUPY SIDEWALKS EXCEPT WHERE PROPER PROTECTION AND NOTICE HAVE BEEN GIVEN.

29. THE CONTRACTOR SHALL INTEGRATE PROPER PEDESTRIAN TRAFFIC CONTROLS INTO THE REQUIRED TRAFFIC CONTROL PLAN TO BE SUBMITTED AND APPROVED BY ENGINEER BEFORE BEGINNING WORK.

30. THE CONTRACTOR SHALL COORDINATE WITH THE LOCAL SCHOOL SYSTEM TO INCORPORATE SCHOOL WALKING ROUTES INTO THE TRAFFIC CONTROL PLAN.

RIGHT OF WAY NOTES:

31. THE RIGHT-OF-WAYS ARE BASED ON HISTORICAL RIGHT-OF-WAYS WIDTHS RECORDED BY THE CITY AND LOCATED USING FOUND EVIDENCE AND ANY AVAILABLE SURVEY PLATS. INDIVIDUAL PARCEL SIDELINES SHOWN HEREON ARE BASED ON CITY PARCEL MAPS.

32. RIGHT-OF-WAY AND PARCEL LINES SHOWN HEREON SHOULD NOT BE RELIED UPON FOR PURPOSES UNRELATED TO THE ACQUISITION OF LANDS AND RIGHTS FOR THIS PROJECT.

**PRELIMINARY
PLANS**

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*Rutland Creek Path Access
Safety Improvements*

TAP TA 14(5)

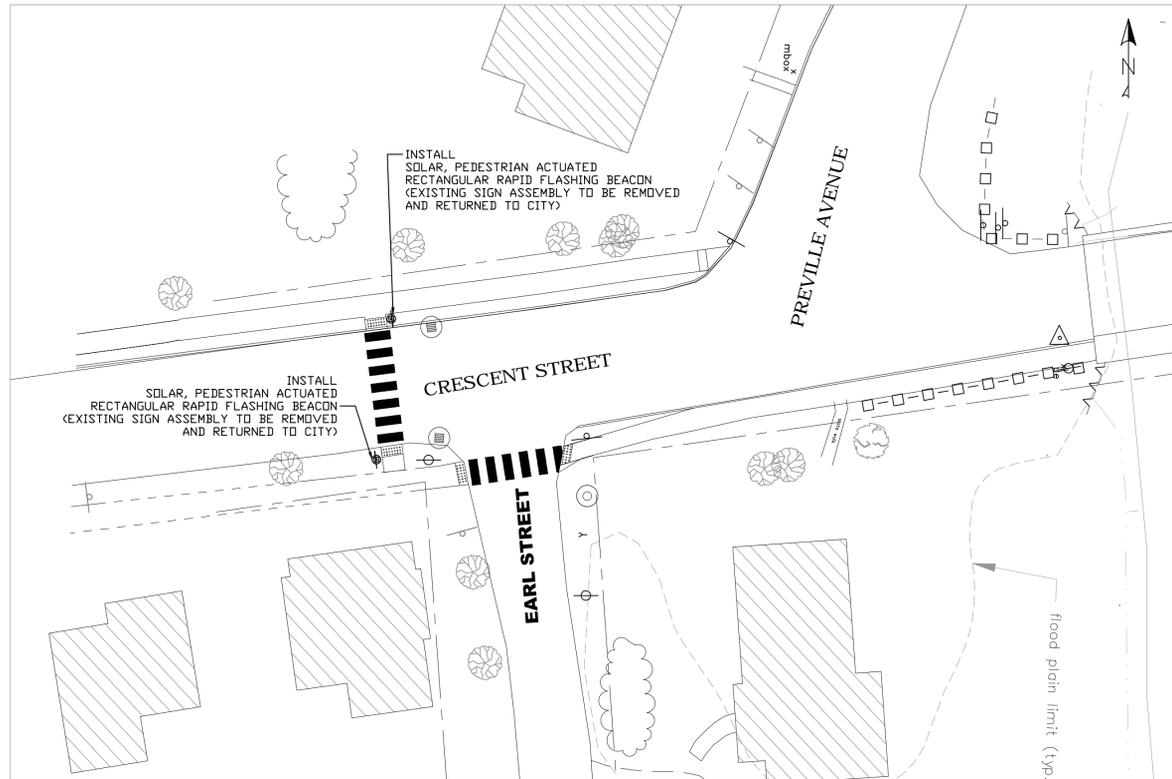
No.	Revision Description	Date
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Notes

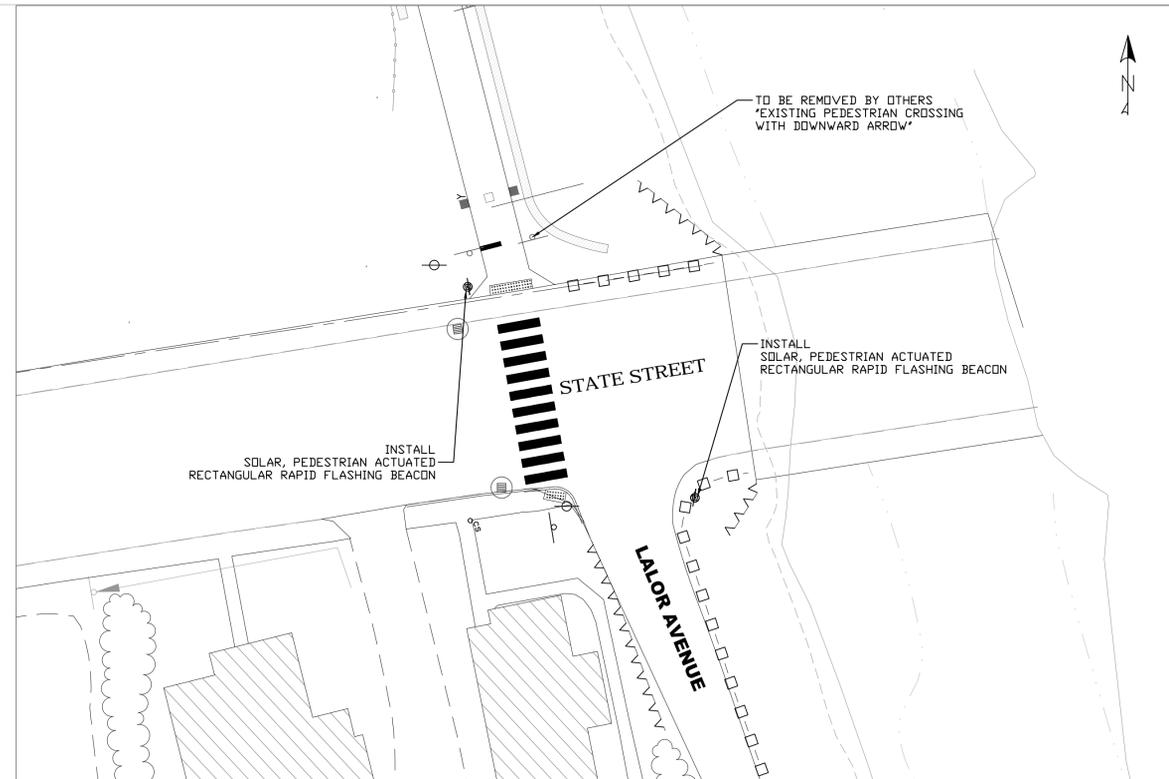
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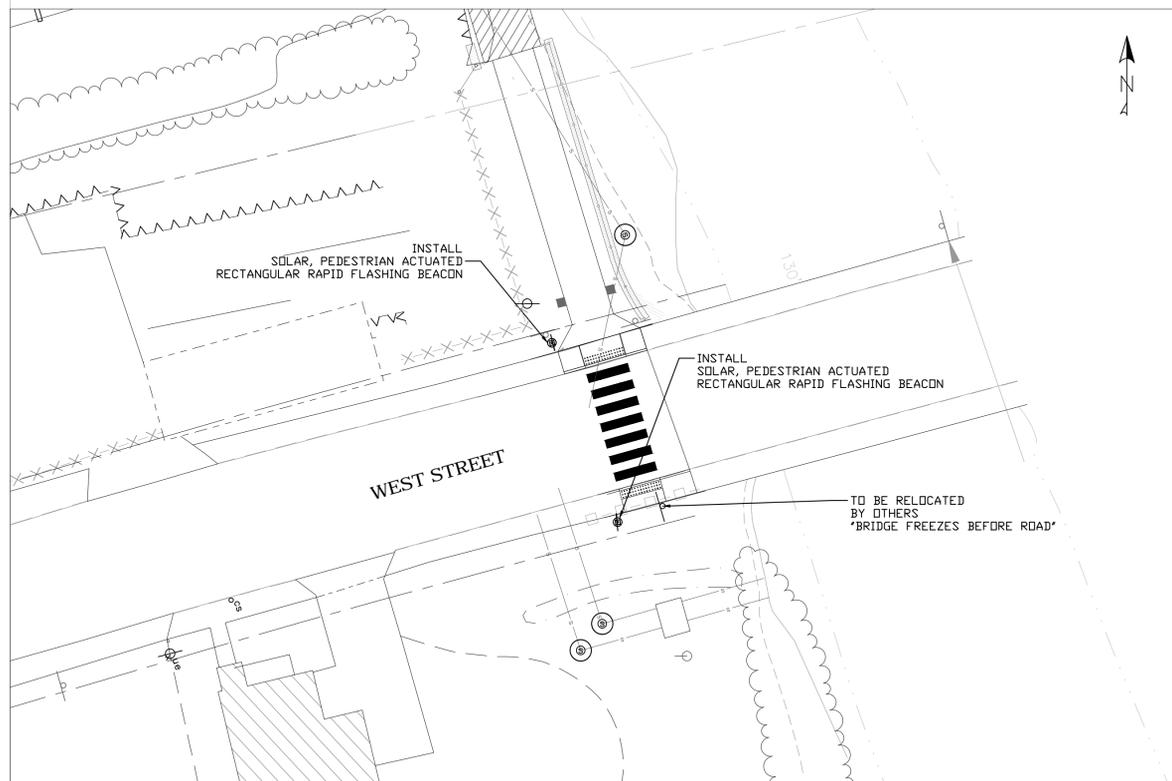
NTS



**CRESCENT STREET PATH CROSSING
R.R.F.B. INSTALLATION**
Scale 1"=20'



**STATE STREET PATH CROSSING
R.R.F.B. INSTALLATION**
Scale 1"=20'



**WEST STREET PATH CROSSING
R.R.F.B. INSTALLATION**
Scale 1"=20'

LEGEND

— MAPPING LIMIT	— LAKE/POND	⊕ TREE
— PAVED ROAD	— SWAMP/MARSH	⊕ RAPID FLASHING BEACON
— BRIDGE DECK	— RECHARGE BASIN	○ BOULDER
— FOOT BRIDGE	— DITCH	⊕ SWAMP
— OUTER CURB	— CULVERT	⊕ SANITARY MANHOLE
— INNER CURB	***** FENCE	⊕ GRATE FOR DROP INLET
— CHANGE OF PVMT	— WALL	
— MISC CONCRETE	~ RET WALL	
— MISC ASPHALT	— GUARDRAIL	
— PAVED PARKING	— UNK UTILITY	
— UNPVD PARKING	— PARK BENCH	
— PAVED DRIVE	— ATHLETIC FIELD	
— UNPAVED DRIVE	⊕ BACKSTOP	
— SIDEWALK	— BASKETBALL COURT	
— TRAIL	— BLEACHERS	
— UNK BLDG/STRCTR	— OPEN STORAGE	
— MAJOR BLDG	— PILE	
— MINOR BLDG	— RR	
— TRAILER	— MIXED TREES	
— STREAM/RIVER	— BRUSH/BUSHES	

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R.R.F.B Installation Locations

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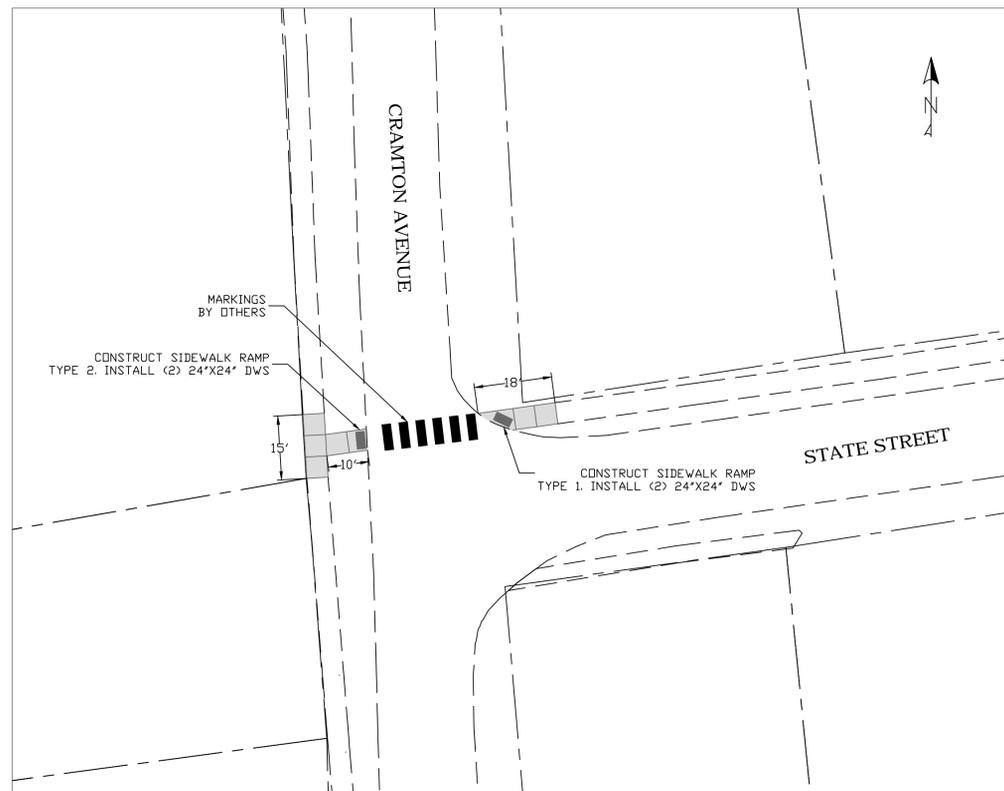
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Geno Avenue & West Street

Project number TAP TA 14(5)
Date 6-20-2016
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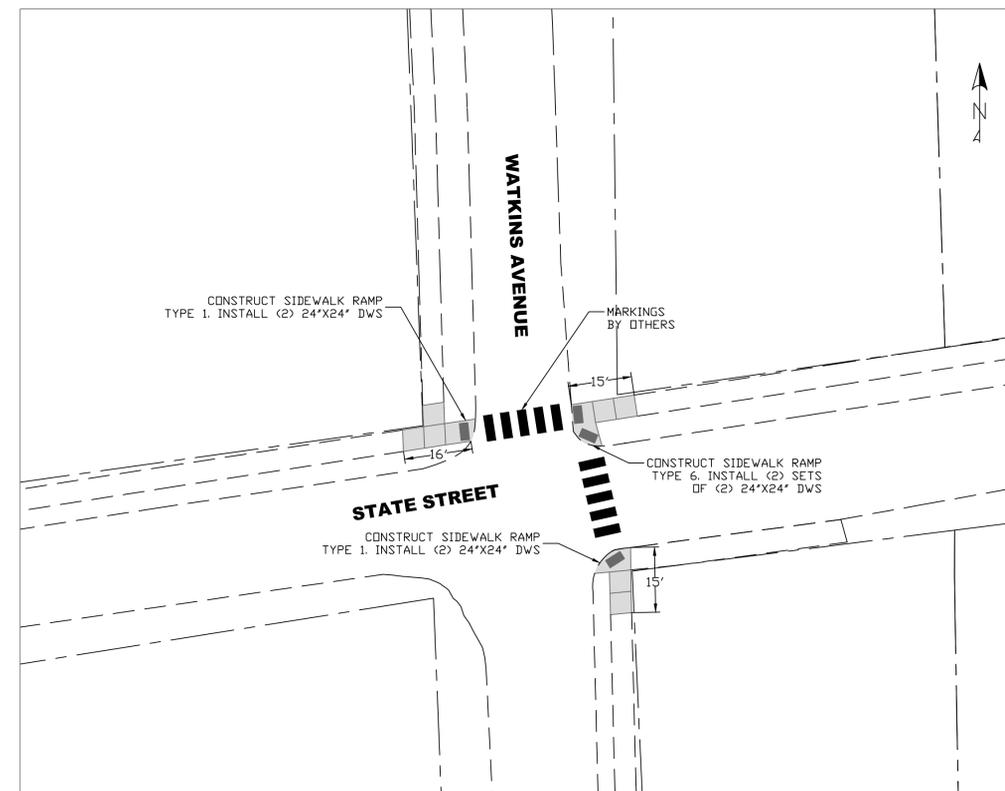
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Scale: 1" = 20'



CRAMTON AVE / STATE ST CROSSWALK

Scale 1"=20'



WATKINS AVE / STATE ST CROSSWALK

Scale 1"=20'

LEGEND:

-  REMOVE ANY EXISTING AND CONSTRUCT NEW SIDEWALK
-  EXISTING CURB, SIDEWALK, OR EDGE OF PAVEMENT
-  DETECTABLE WARNING SURFACE
-  R.O.W. PROPERTY LINE

GENERAL NOTES:

1. ALL NEW SIDEWALK SECTIONS SHALL BE INSTALLED TO MATCH THE EXISTING SIDEWALK ELEVATION AND WIDTH AT THE POINT(S) OF INTERSECTION.
2. ALL NEW SIDEWALK RAMPS SHALL BE INSTALLED TO MEET THE ATTACHED VAOT STANDARDS. RAMP SECTIONS SHALL MATCH THE SIDEWALK ELEVATION AND ROADWAY ELEVATION.
3. FOR SIDEWALK RAMPS, SEE ATTACHED VAOT RAMP STANDARDS C-3A AND C-3B.

**PRELIMINARY
PLANS**

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Rutland Creek Path Access Safety Improvements

TAP TA 14(5)

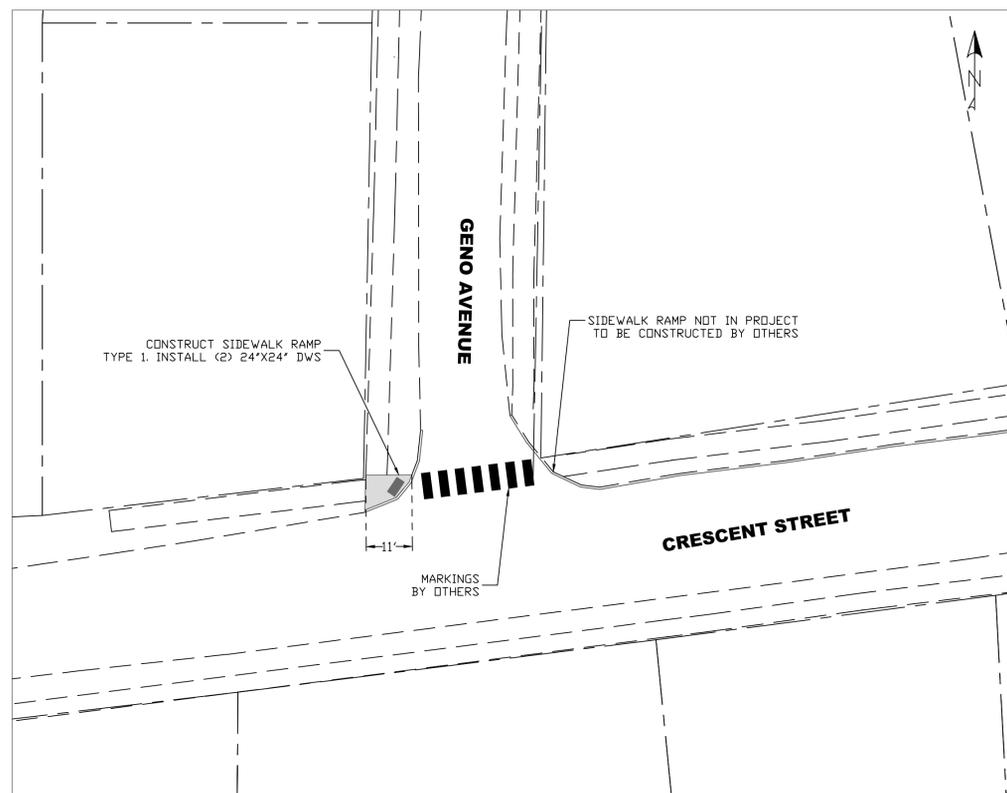
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Geno Avenue & West Street

Project number TAP TA 14(5)
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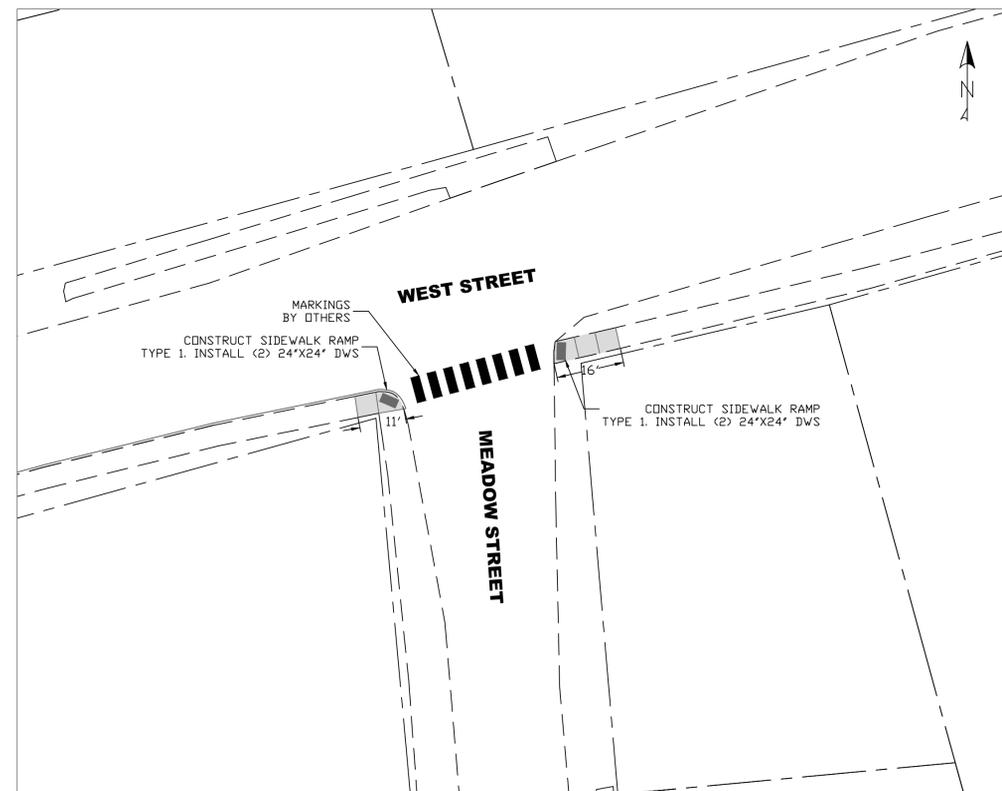
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Scale: 1" = 20'



GENO AVENUE / CRESCENT ST CROSSWALK

Scale 1"=20'



WEST STREET / MEADOW ST CROSSWALK

Scale 1"=20'

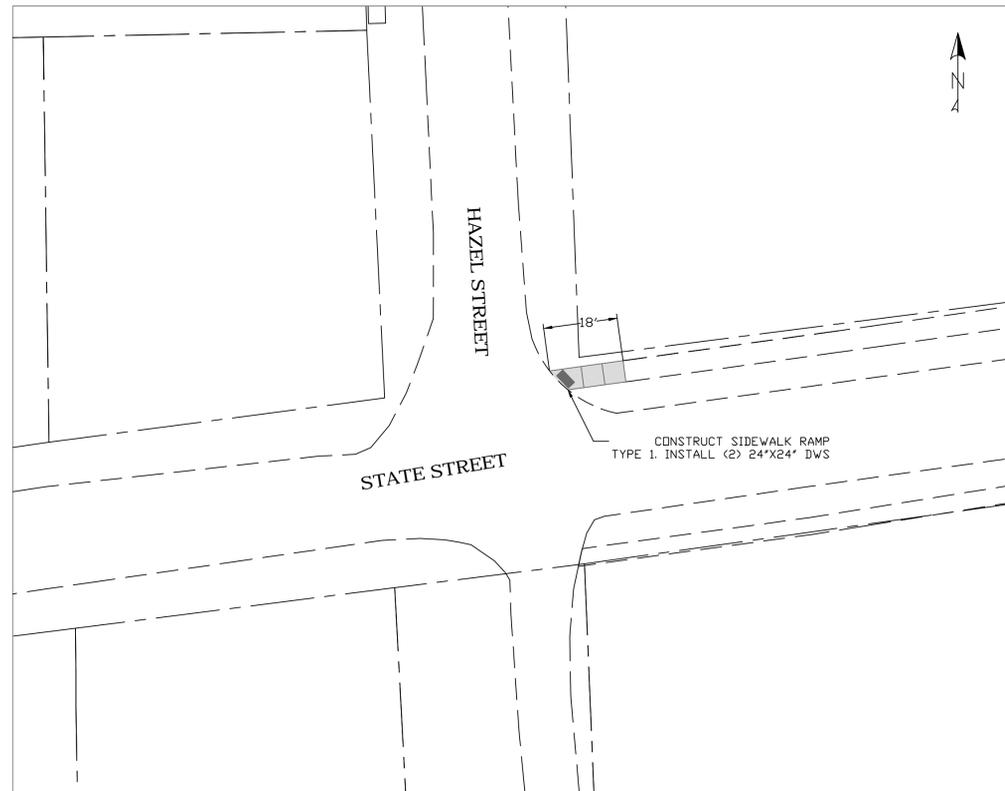
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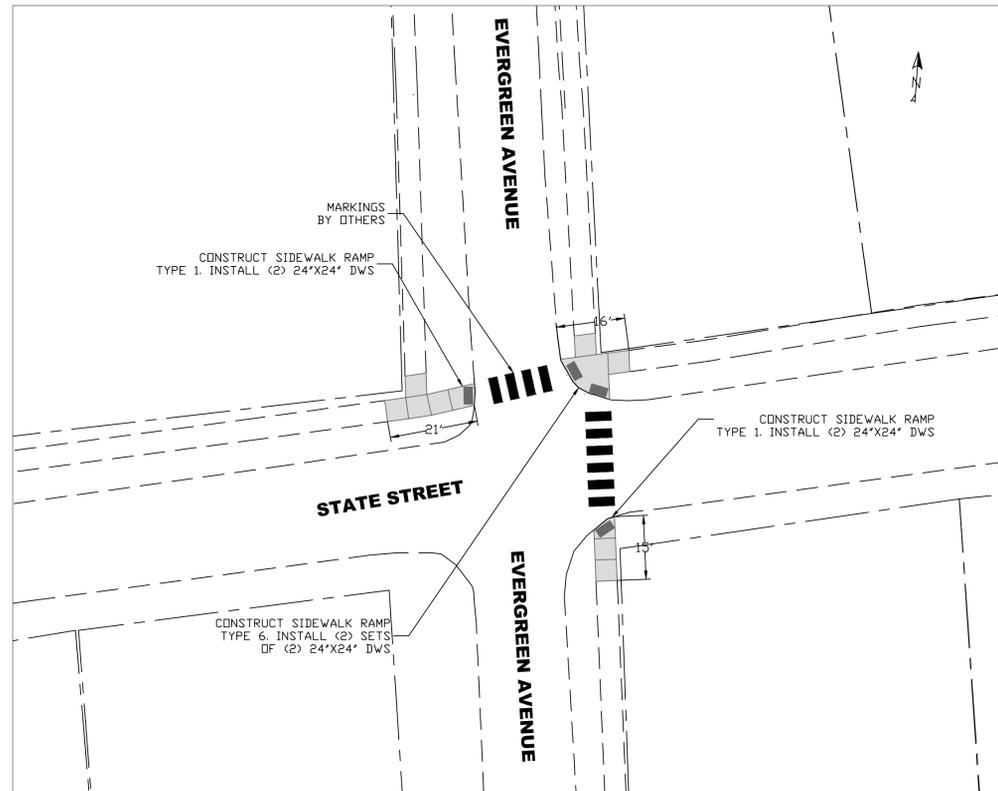
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**PRELIMINARY
PLANS**



HAZEL ST / STATE ST CROSSWALK

Scale 1"=20'



EVERGREEN AVE / STATE ST CROSSWALK

Scale 1"=20'

LEGEND:

-  REMOVE ANY EXISTING AND CONSTRUCT NEW SIDEWALK
-  EXISTING CURB, SIDEWALK, OR EDGE OF PAVEMENT
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Safety Improvements*

TAP TA 14(5)

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**Evergreen Ave &
Hazel Street**

Project number TAP TA 14(5)
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Checked by JR

6

Scale: 1" = 20'

City of Rutland



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TAP TA 14(5)*

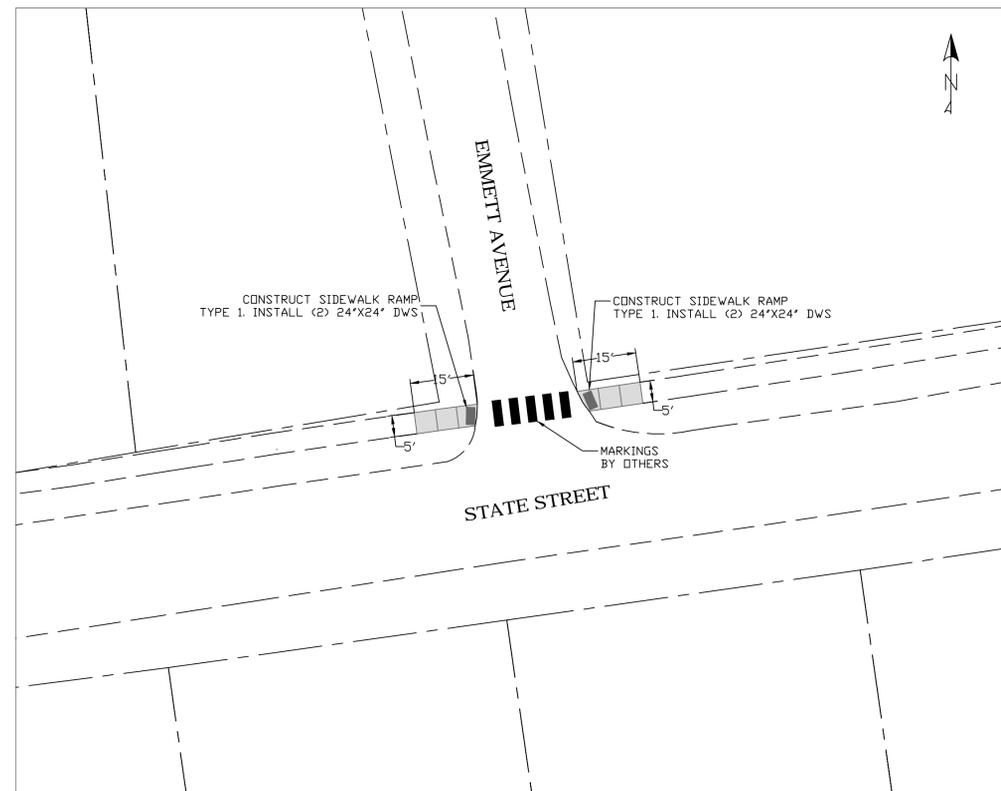
No.	Revision Description	Date
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Emmett Avenue & Sidewalk Detail

Project number TAP TA 14(5)
Date 6-20-2016
Drawn by NS
Checked by JR

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Scale: 1" = 20'



EMMETT AVE / STATE ST CROSSWALK

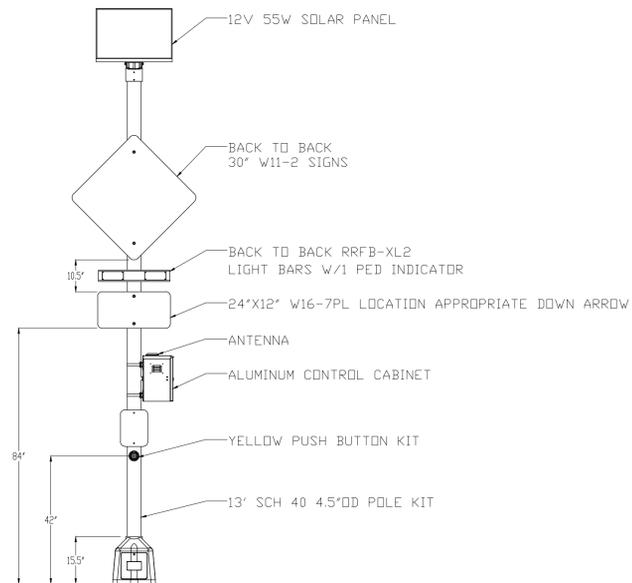
Scale 1"=20'

LEGEND:

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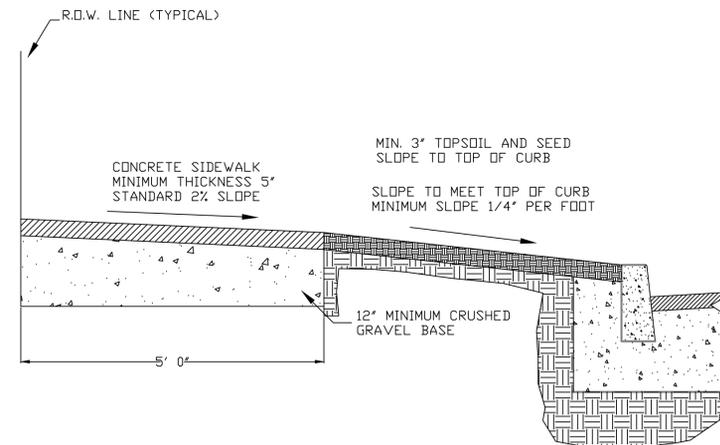
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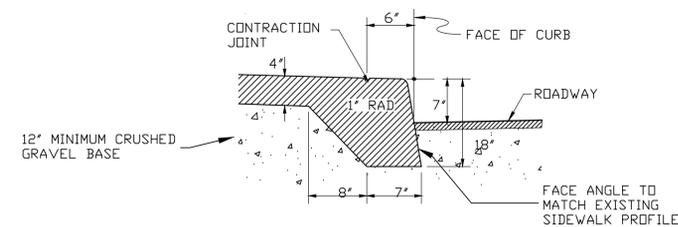
**RECTANGULAR RAPID
FLASHING BEACON
DETAIL**
NTS

FLASHING BEACON
MANUFACTURER NOTES:

1. ORIENT SOLAR PANEL TOWARDS SOUTHERN SKY FOR MAXIMUM SOLAR EXPOSURE
2. CONTROL CABINET HEIGHT MAY VARY
3. SNAP LOCKS ARE PROVIDED, STANDARD 3/4" S/S BANDING IS RECOMMENDED
4. J-BOLTS NOT SHOWN



STANDARD SIDEWALK DETAIL
NTS



MONOLITHIC SIDEWALK DETAIL
NTS

SIDEWALK NOTES:

1. THE GRAVEL BASE IS TO BE 1 1/2" CRUSHED GRAVEL INSTALLED AND THOROUGHLY COMPACTED IN MAXIMUM 6 INCH LIFTS.
2. EXPANSION JOINTS SHALL BE PLACED EVERY 20 FEET.
3. SIDEWALK MUST BE CONSTRUCTED IN CONFORMANCE WITH THE MOST CURRENT VERSION OF THE VTRANS STANDARD SPECIFICATIONS FOR CONSTRUCTION SECTION 618.03 (PORTLAND CEMENT CONCRETE SIDEWALK)

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**Flashing Beacon &
Sidewalk Detail**

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Checked by: JR