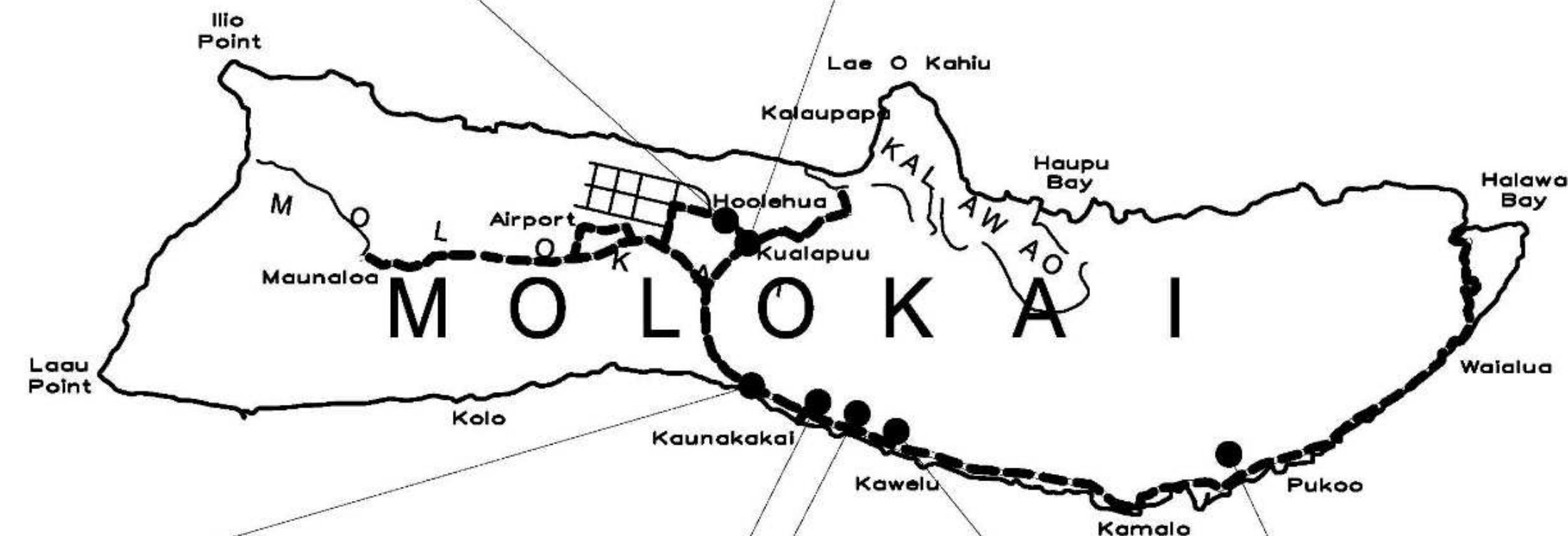


RT 480 MOLOKAI HIGH SCHOOL
FARRINGTON AVENUE
NEAR MP 1.05 AND 1.10
HOOLEHUA, MOLOKAI

RT 470 FARRINGTON AVE
FARRINGTON AVE AND
KALAE HWY NEAR
MP 1.76
KAHANUI, MOLOKAI



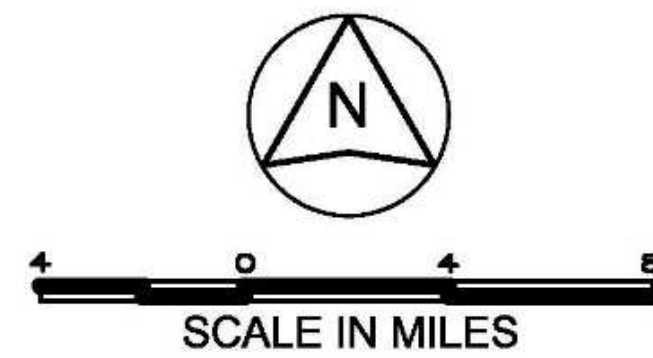
RT 460 KAHWA ST
KAHIWA ST AND
MAUNA LOA HWY NEAR
MP 1.35
KALAMAULA, MOLOKAI

RT 450 ALA MALAMA ST
ALA MALAMA AVE AND
KAMEHAMEHA V HWY
NEAR MP 0.01
KAUNAKAKAI, MOLOKAI

RT 450 AILOA STREET
AILOA ST AND
KAMEHAMEHA V HWY
NEAR MP 0.27
KAUNAKAKAI, MOLOKAI

RT 450 KILOHANA ELEM SCHOOL
KAMEHAMEHA V HWY NEAR MP
13.25 AND 13.32 AT ENTRANCE
OF KILOHANA ELEM SCHOOL
UALAPUE, MOLOKAI

RT 450 OKI PLACE
OKI PLACE AND
KAMEHAMEHA V HWY
NEAR MP 0.34
KAUNAKAKAI, MOLOKAI



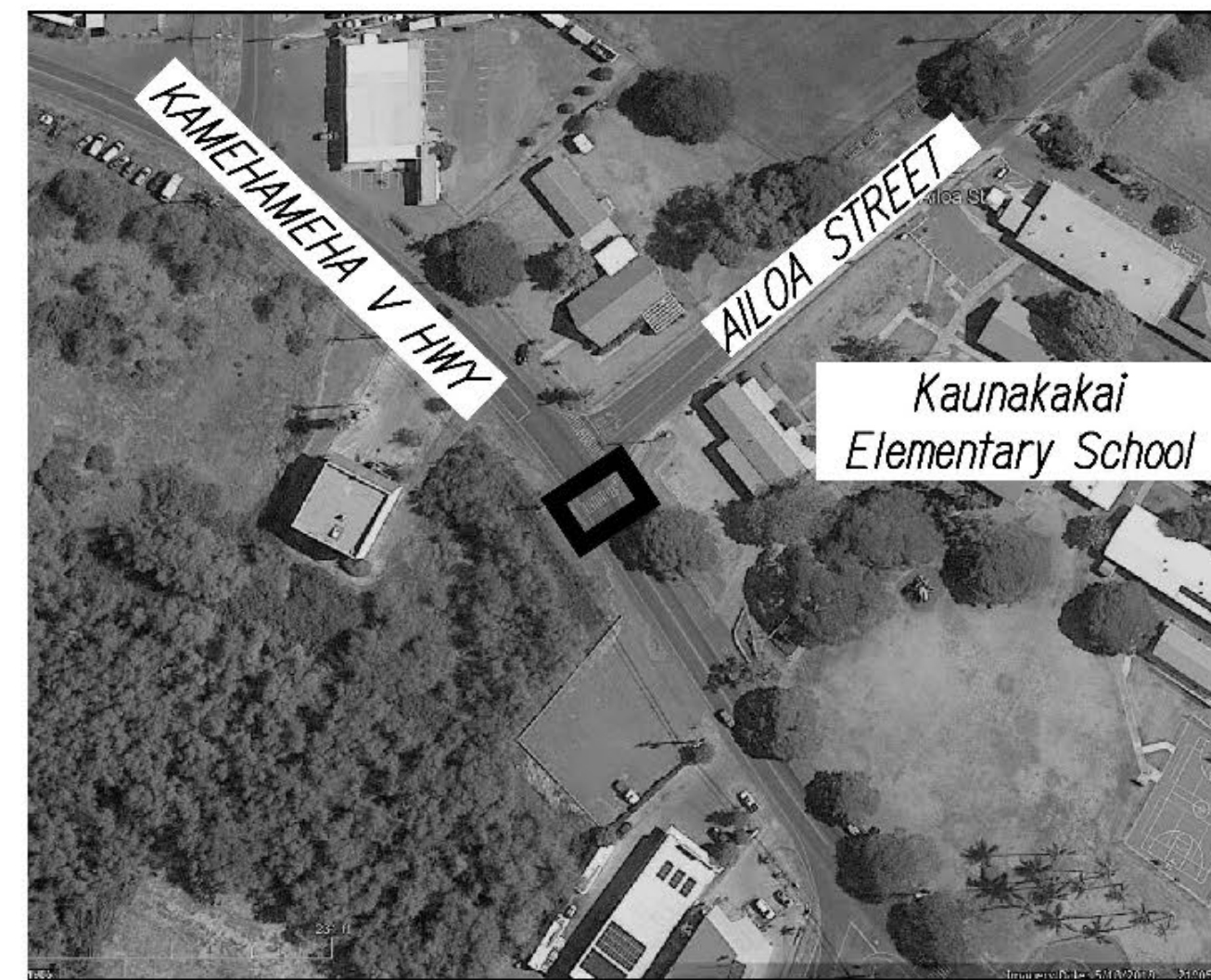
MOLOKAI VICINITY MAP



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RT 450 ALA MALAMA AVE
LOCATION MAP



RT 450 AILOA ST
LOCATION MAP



RT 450 OKI PLACE
LOCATION MAP



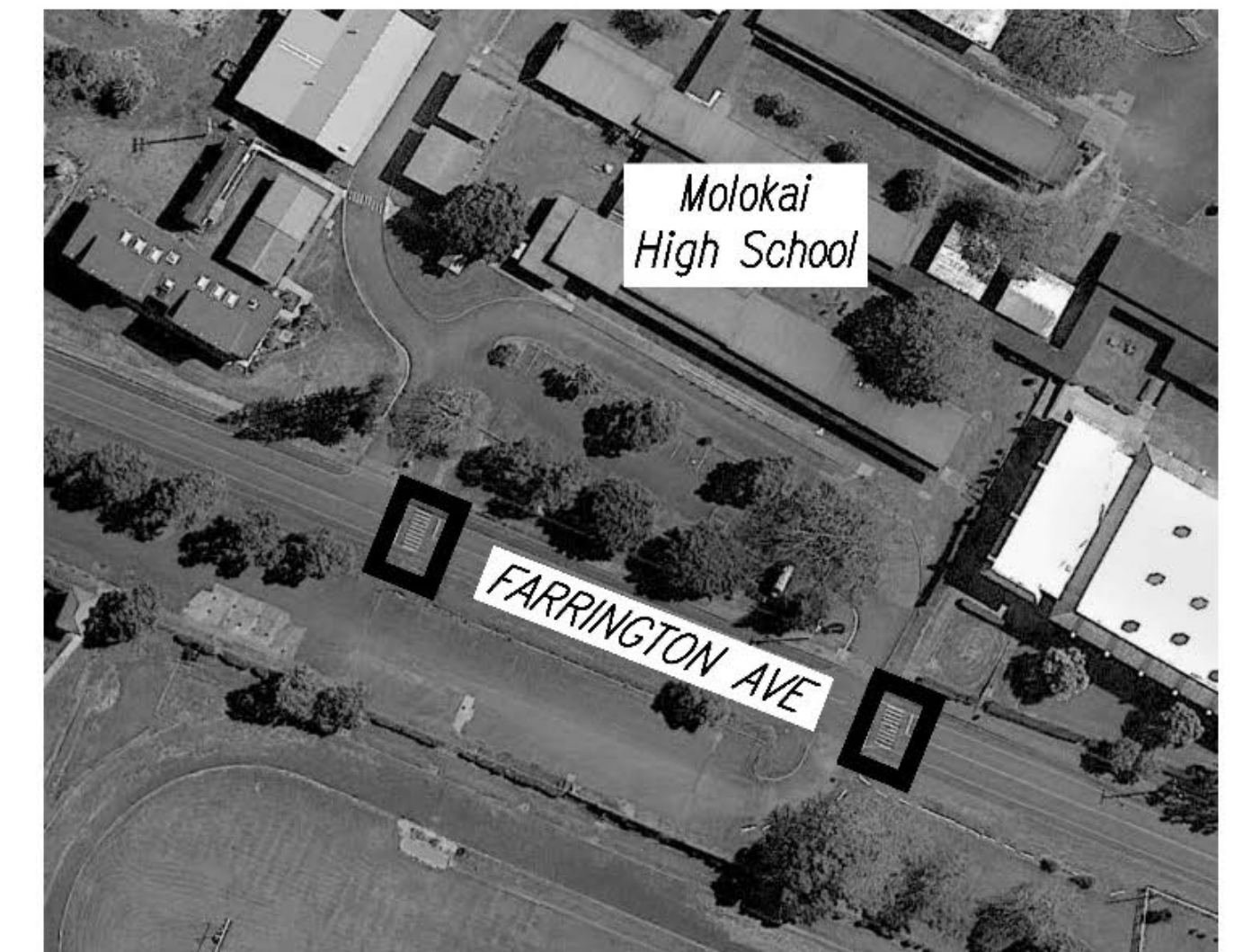
RT 450 KILOHANA ELEMENTARY
LOCATION MAP



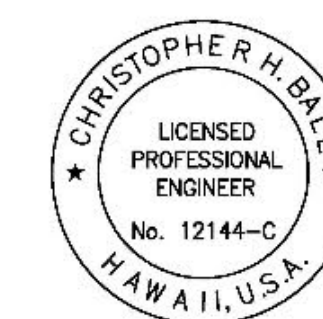
RT 460 KAHIWA STREET
LOCATION MAP



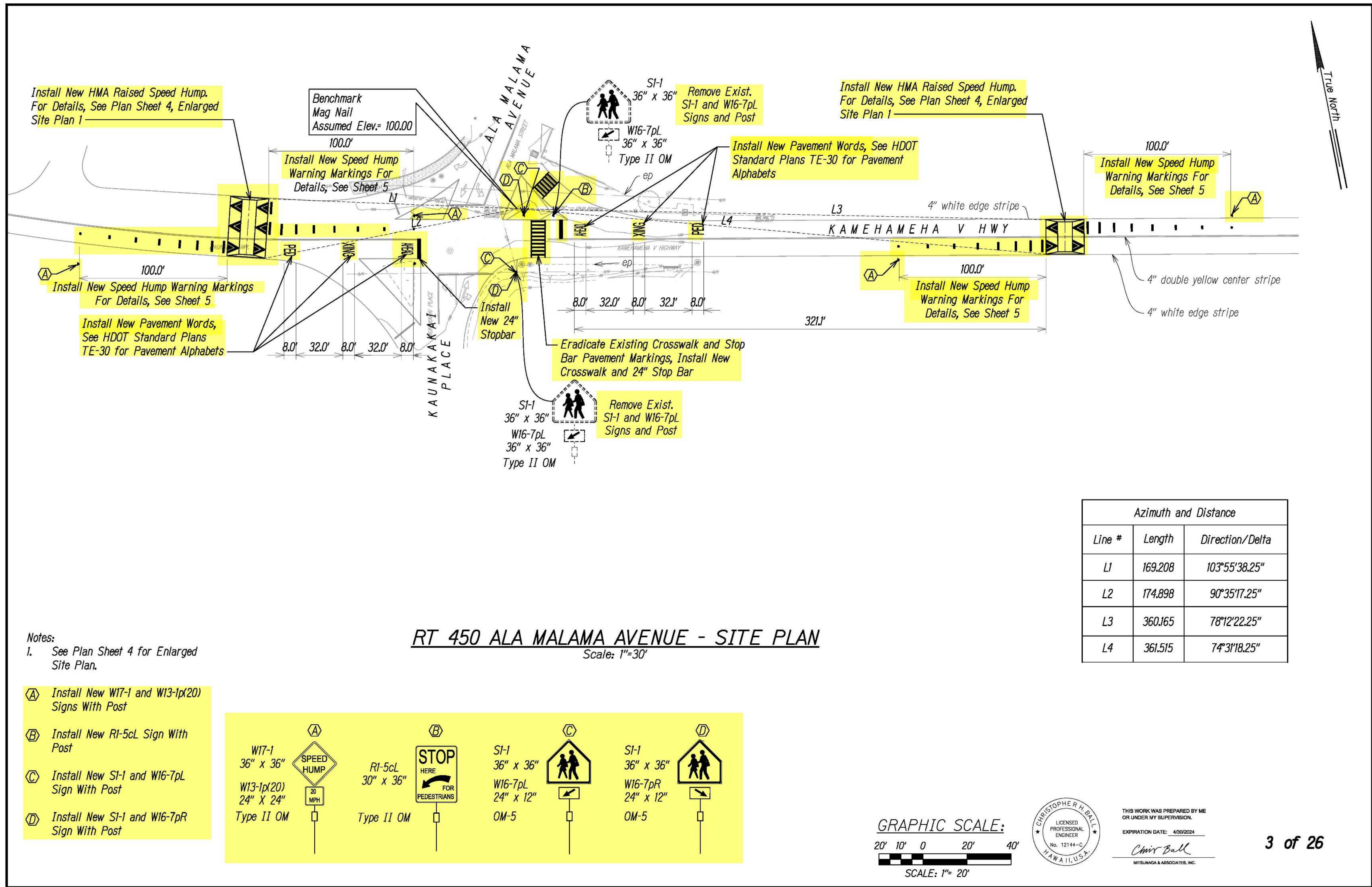
RT 470 FARRINGTON AVENUE
LOCATION MAP

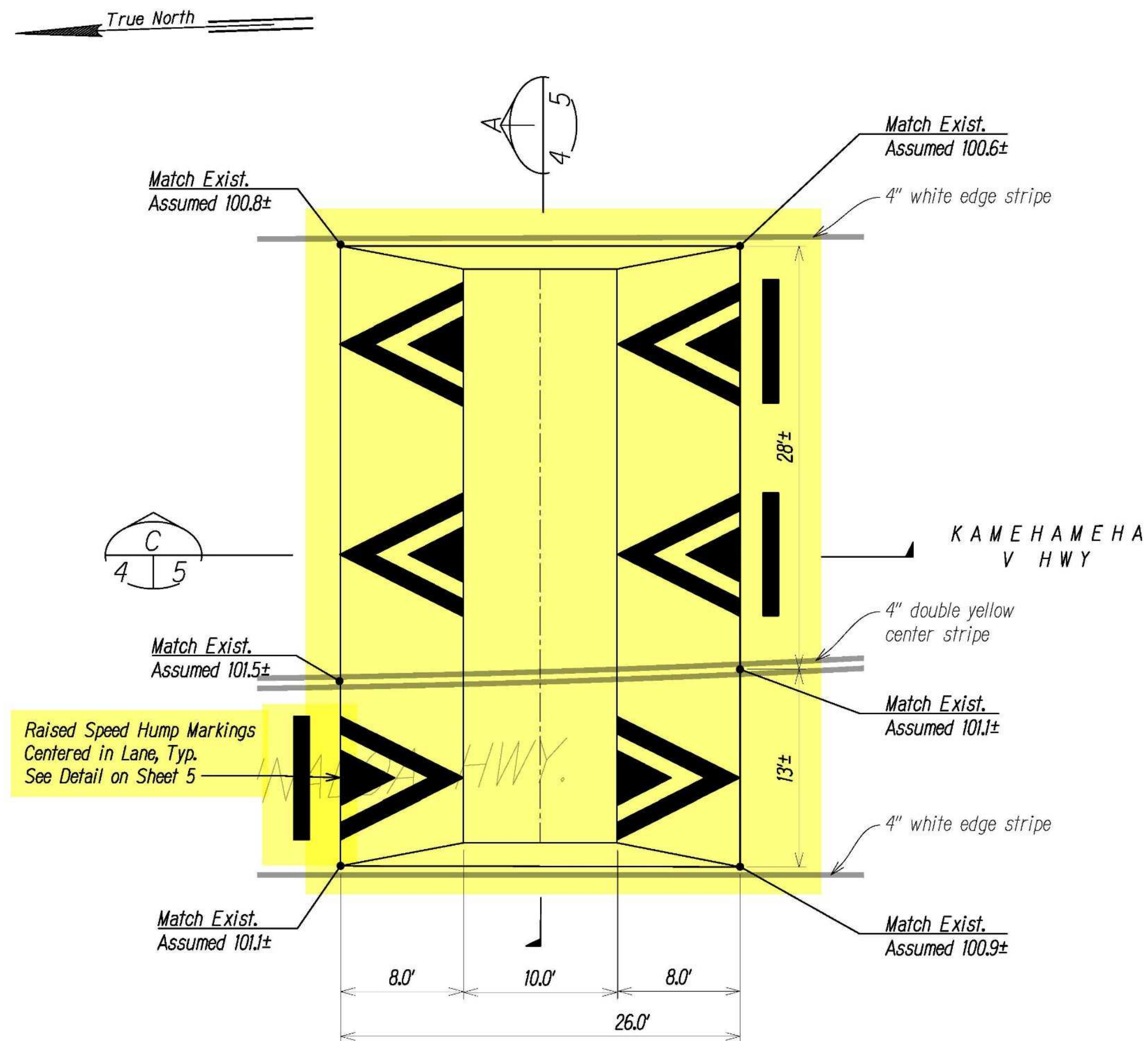


RT 480 MOLOKAI HIGH SCHOOL
LOCATION MAP

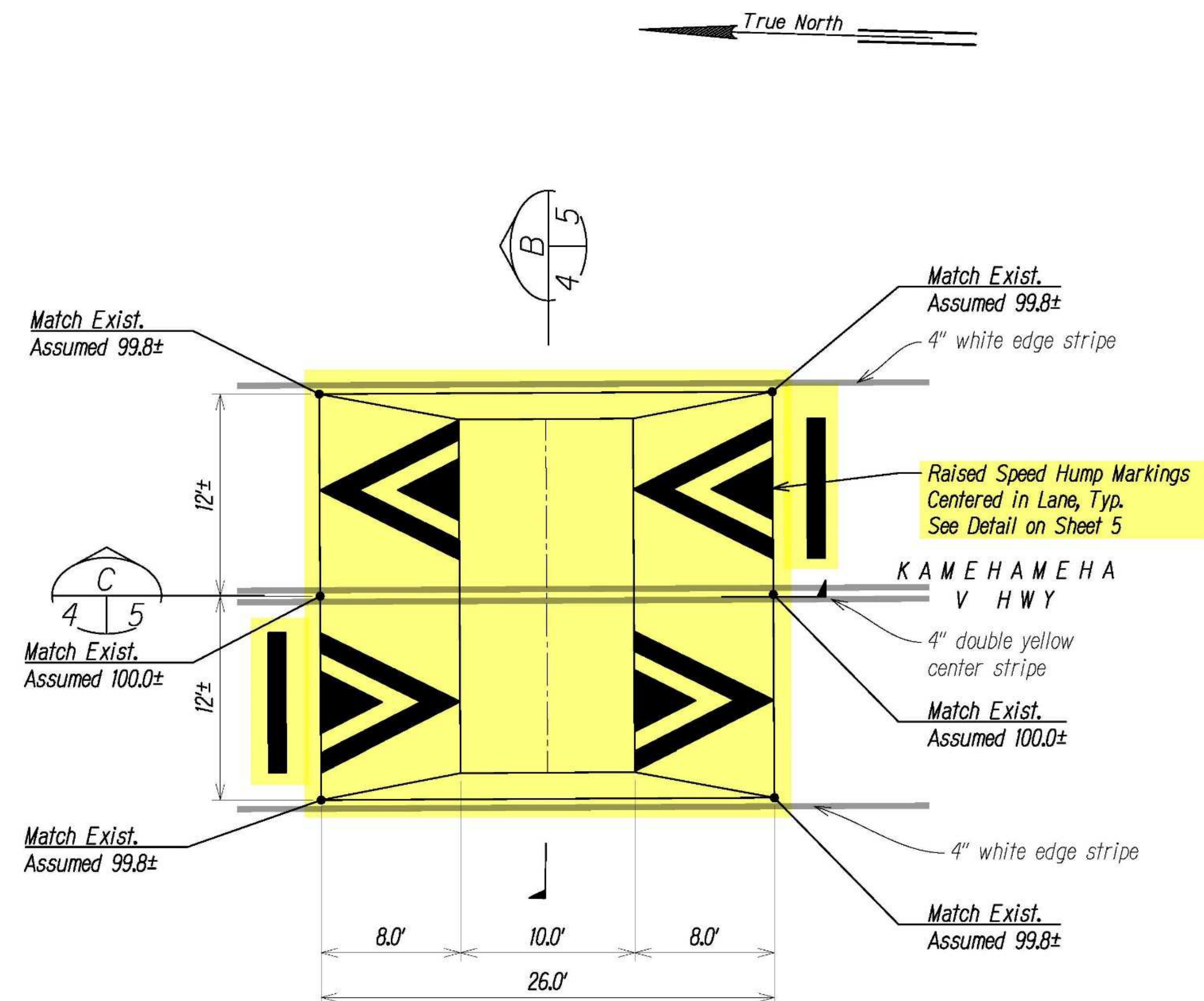
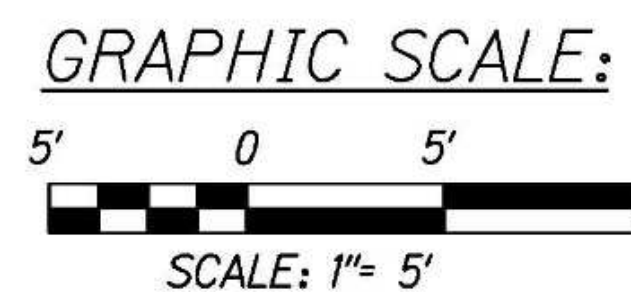


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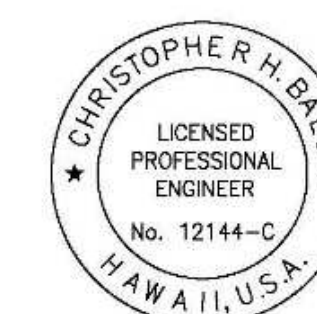




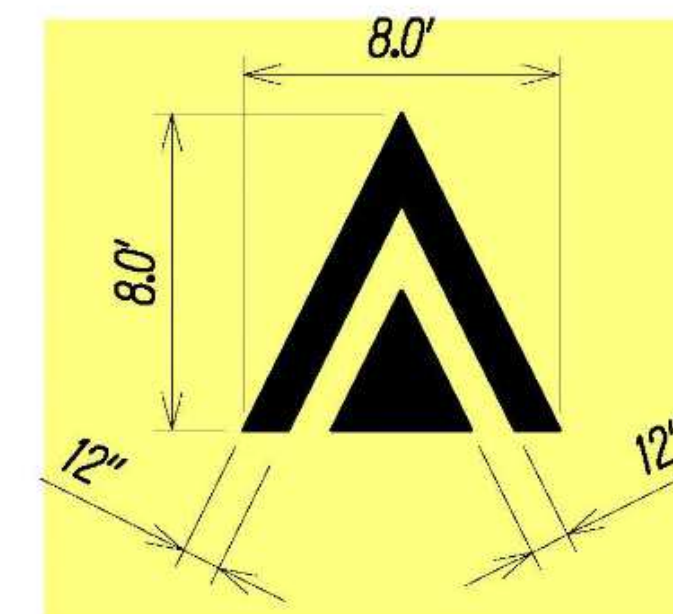
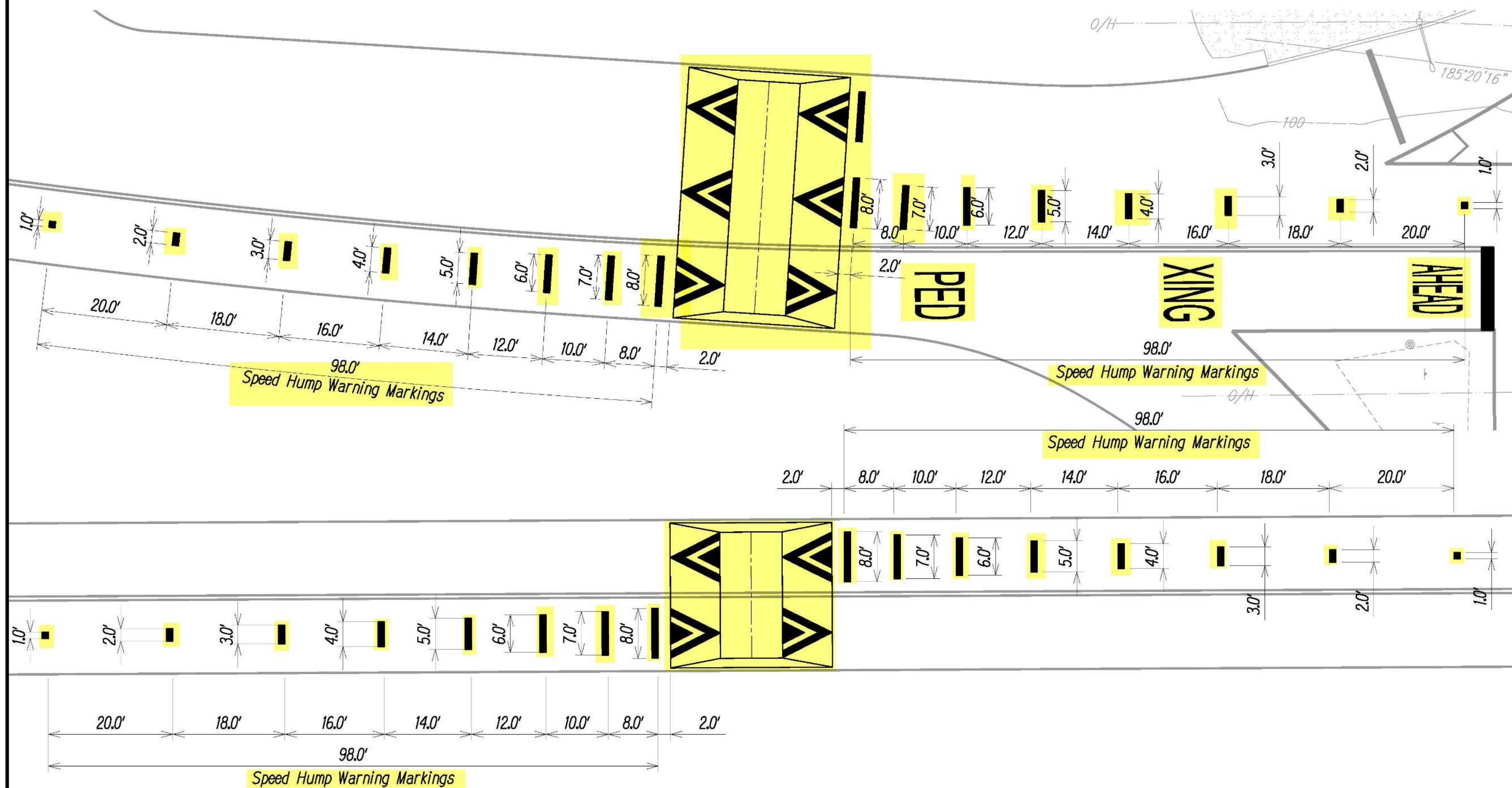
RT 450 ALA MALAMA AVENUE - ENLARGED SITE PLAN 1
Scale: 1"=5'



RT 450 ALA MALAMA AVENUE - ENLARGED SITE PLAN 2
Scale: 1"=5'

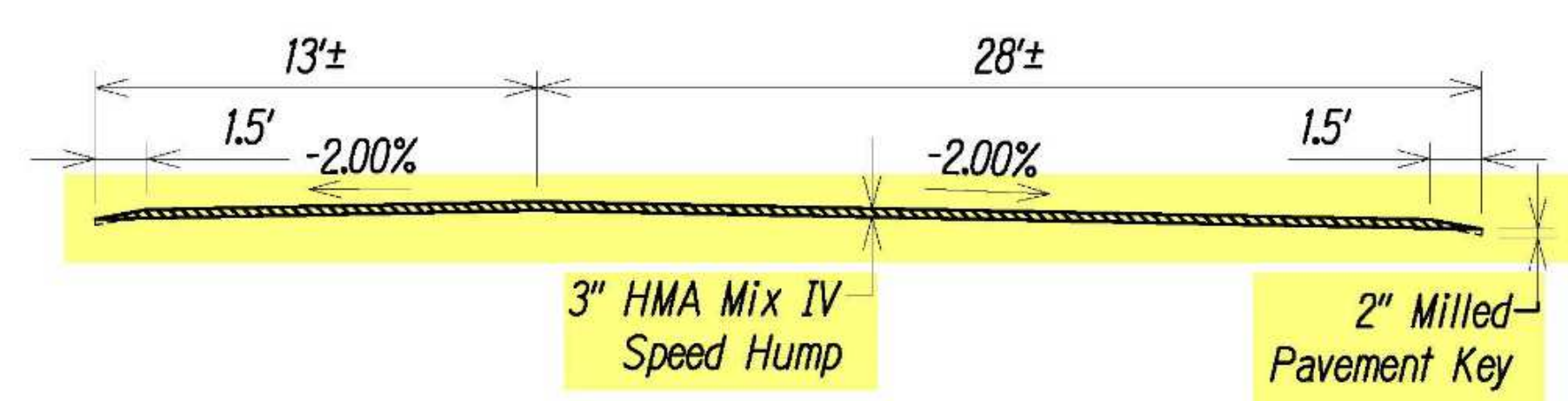


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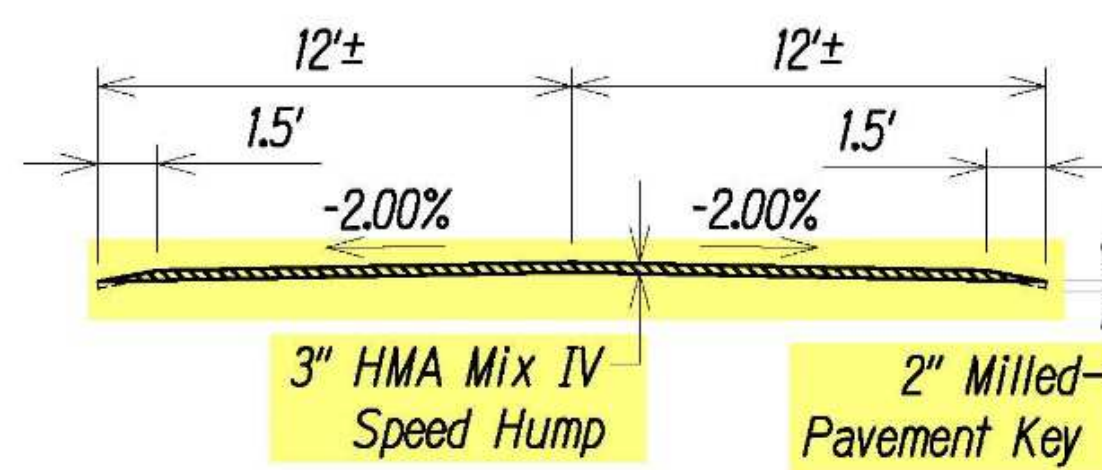


SPEED HUMP MARKINGS
Scale: 1"=5'

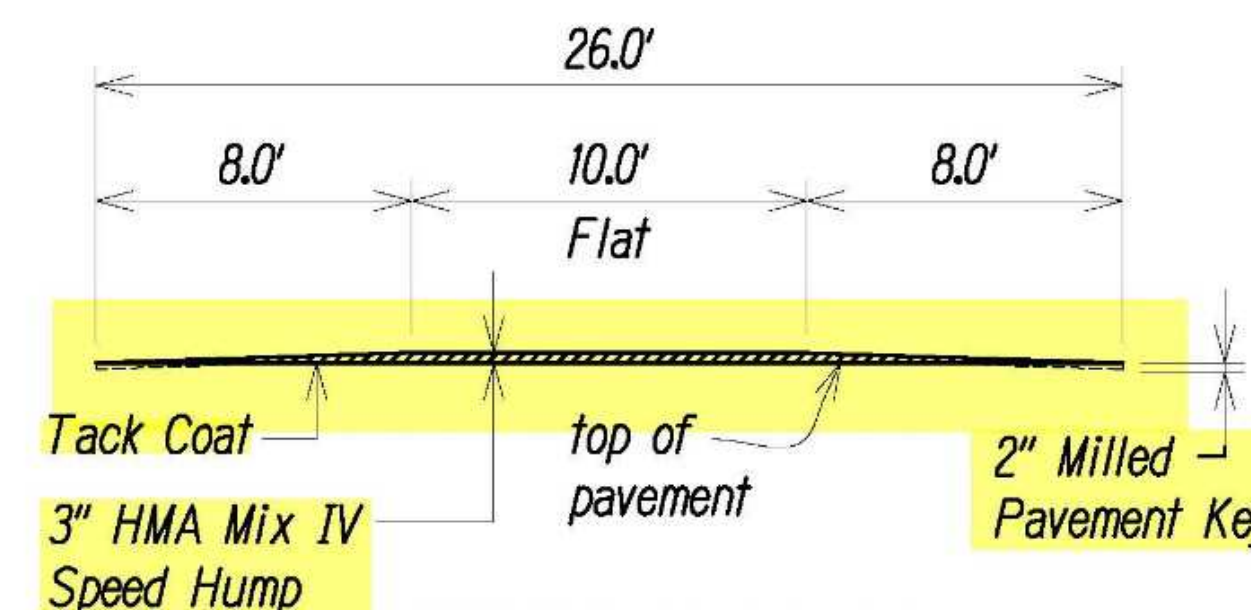
RT 450 ALA MALAMA AVENUE - SPEED HUMP WARNING MARKINGS DETAIL
Scale: 1"=10'



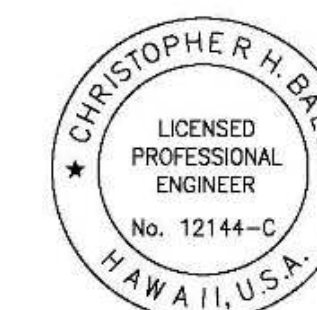
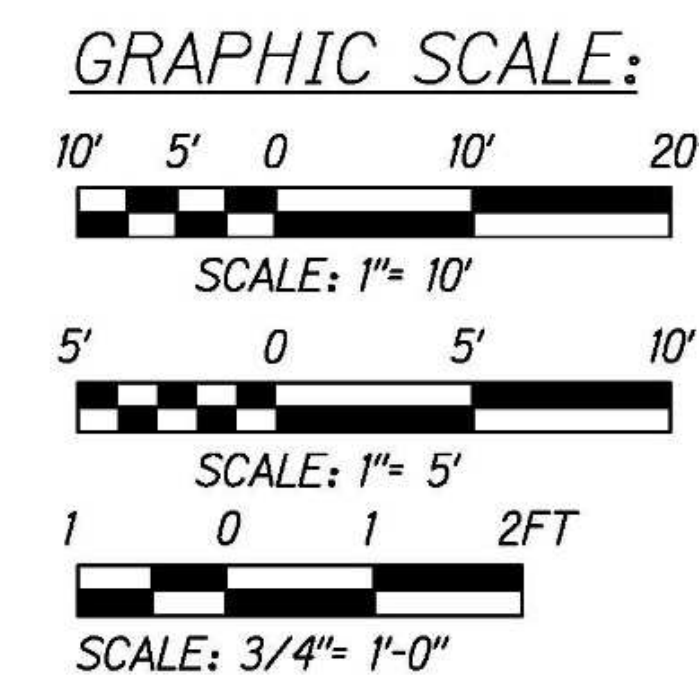
SECTION "A-A"
SPEED HUMP
Scale: 1"=5'



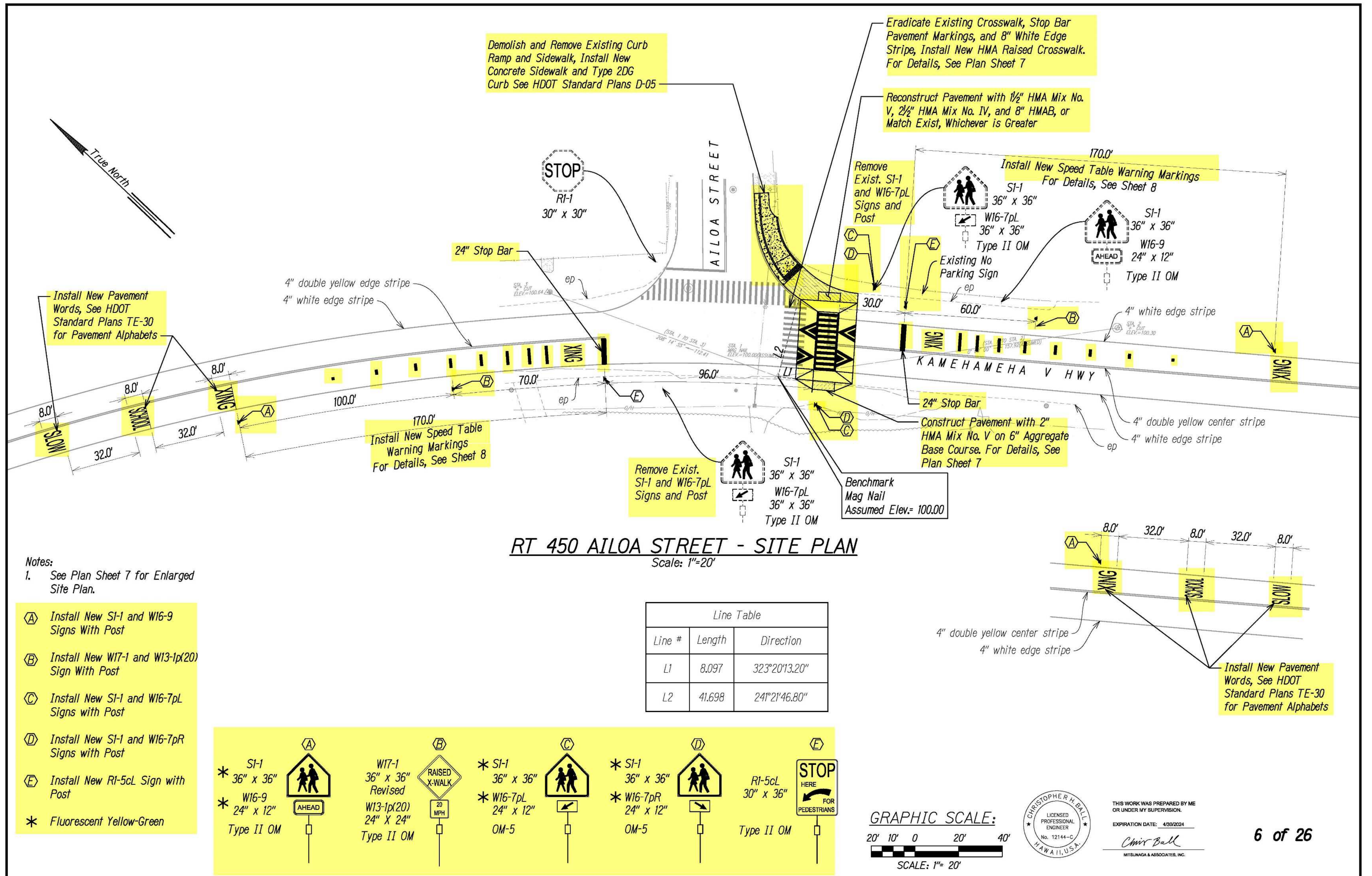
SECTION "B-B"
SPEED HUMP
Scale: 1"=5'

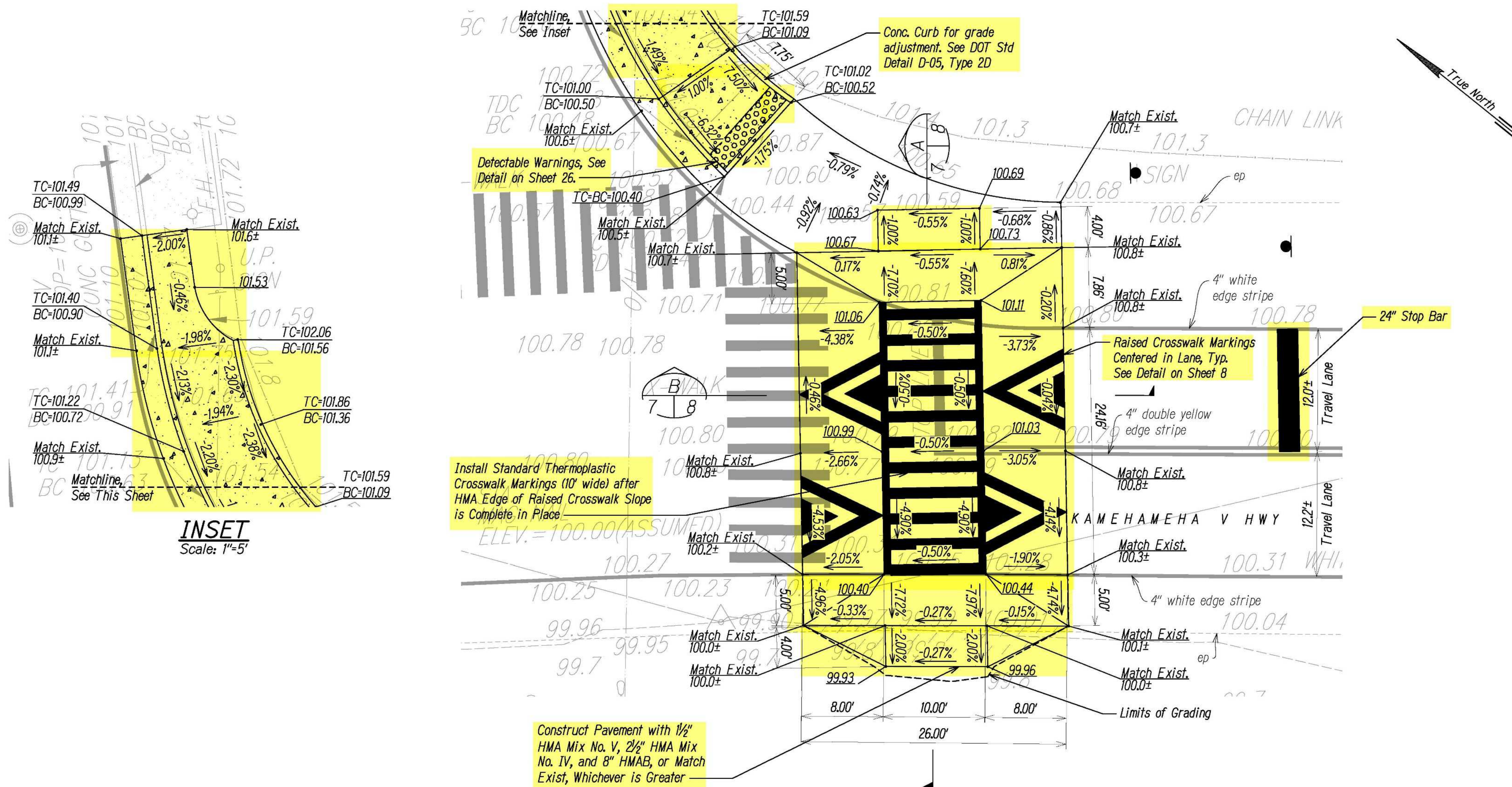


SECTION "C-C"
SPEED HUMP
Scale: 1"=5'

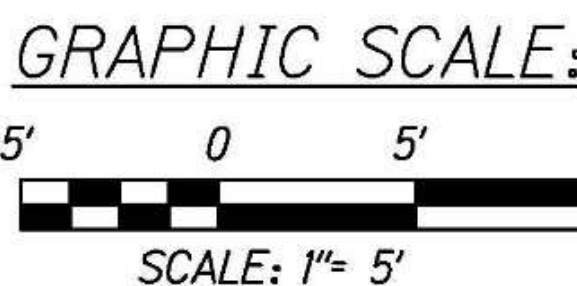


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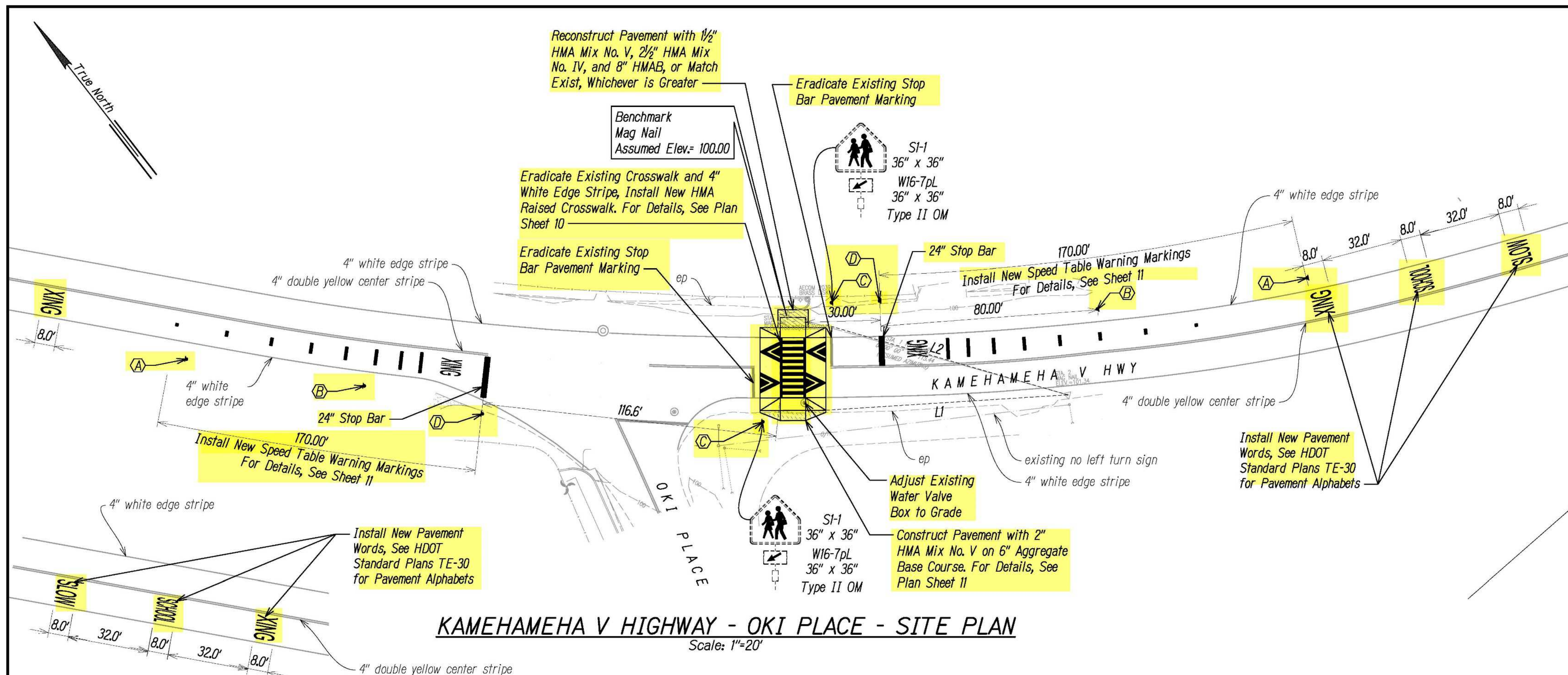




RT 450 AILOA STREET - ENLARGED SITE PLAN
Scale: 1"=5'



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KAMEHAMEHA V HIGHWAY - OKI PLACE - SITE PLAN

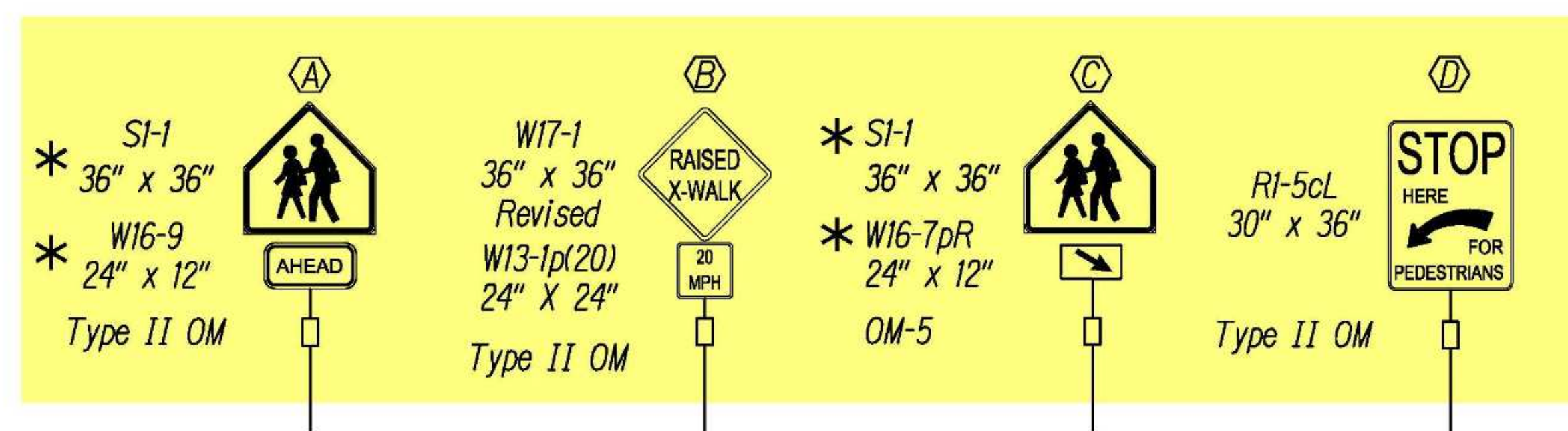
Scale: 1"=20'

Notes:

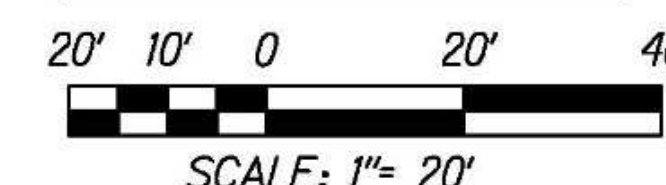
1. See Plan Sheet 10 for Enlarged Site Plan.

- (A) Install New SI-1 and W16-9 Signs With Post
- (B) Install New W17-1 and W13-1p(20) Sign With Post
- (C) Install New SI-1 and W16-7pL Signs with Post
- (D) Install New RI-5cL Sign with Post
- * Fluorescent Yellow-Green

Line Table		
Line #	Length	Direction
L1	95.717	124°09'37.08"
L2	99.443	143°56'02.54"



GRAPHIC SCALE:



SCALE: 1"= 20'



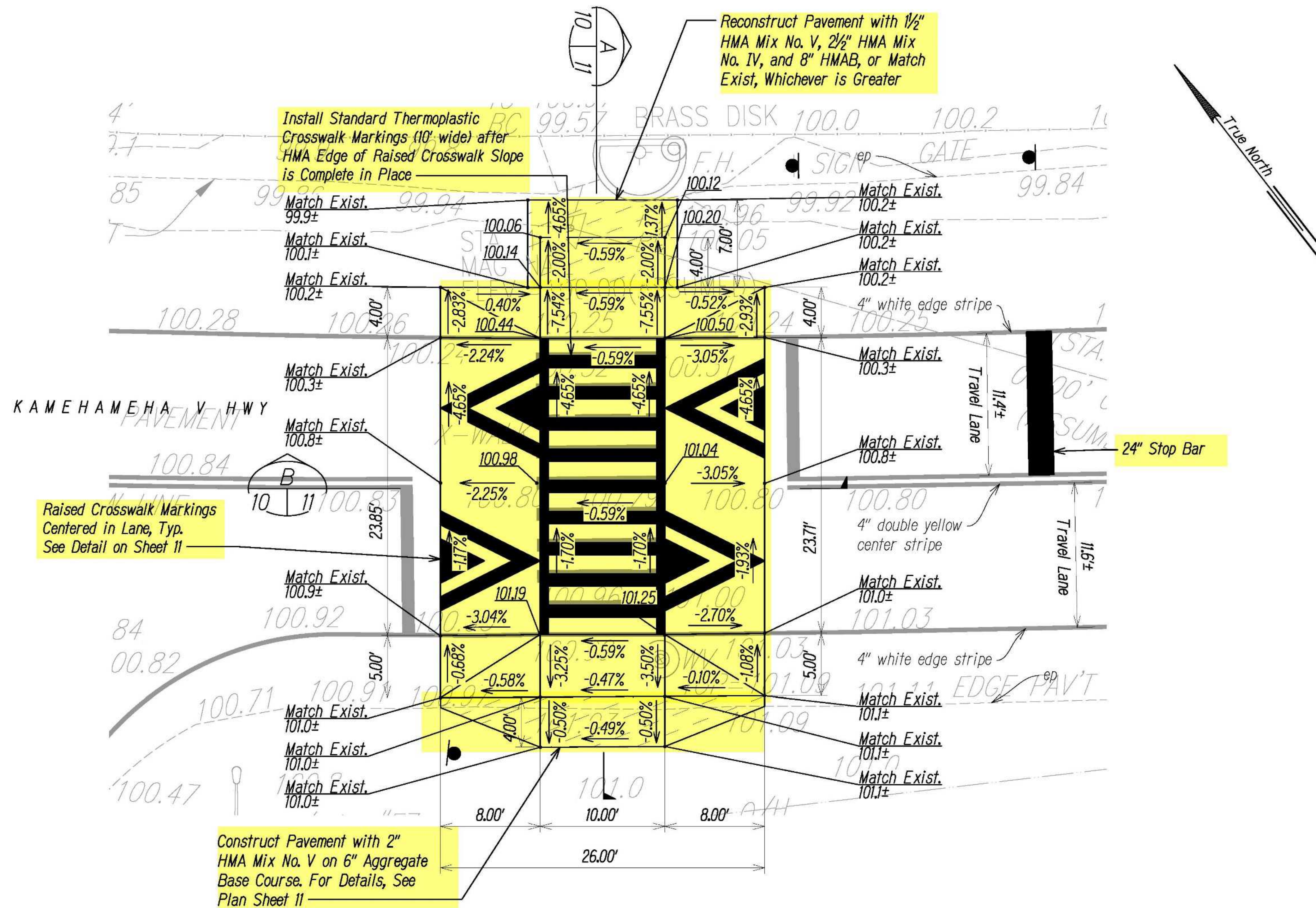
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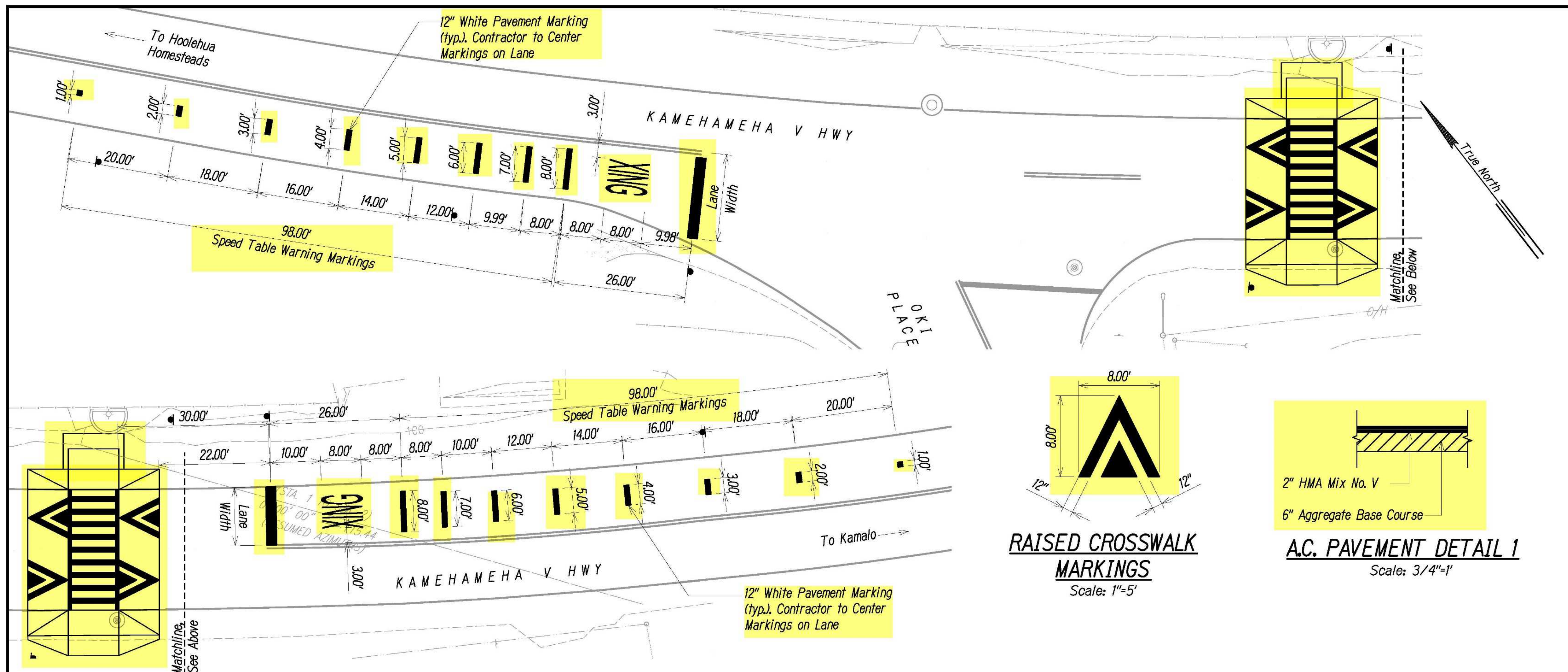
EXPIRATION DATE: 4/30/2024

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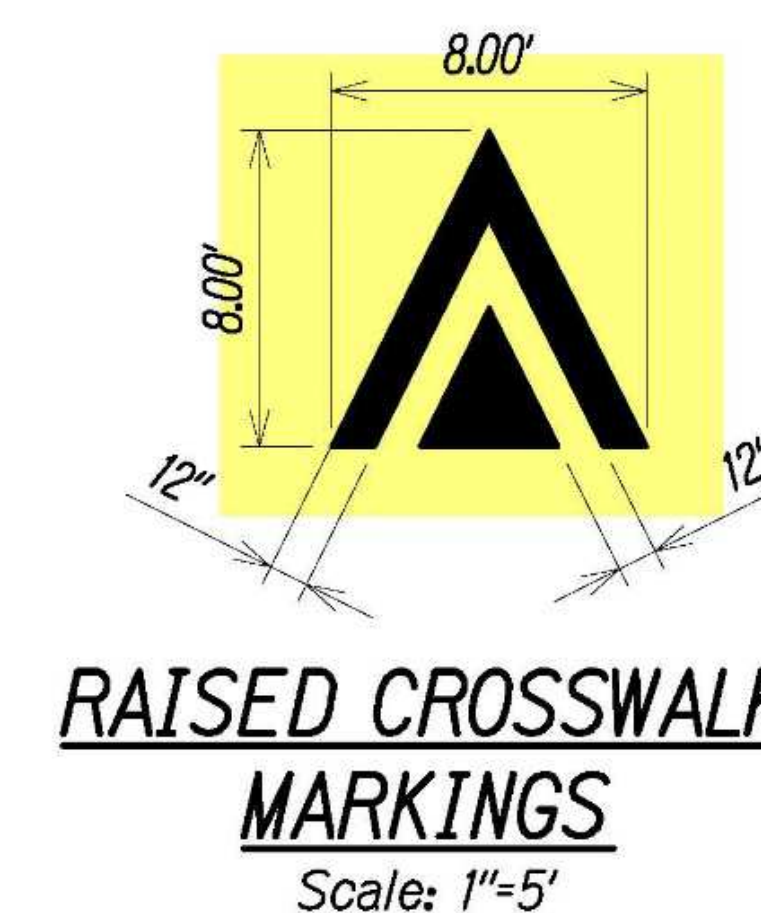
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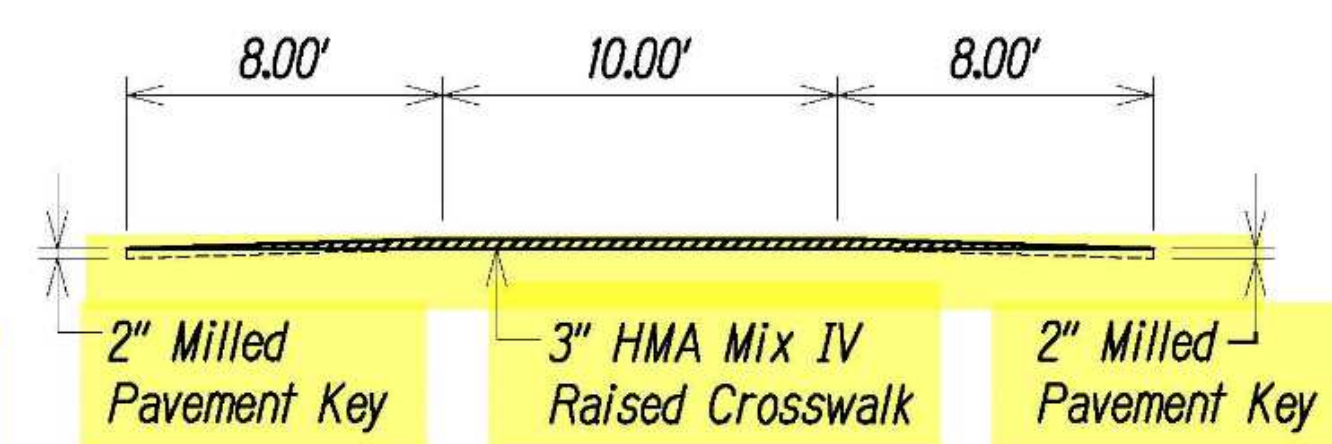
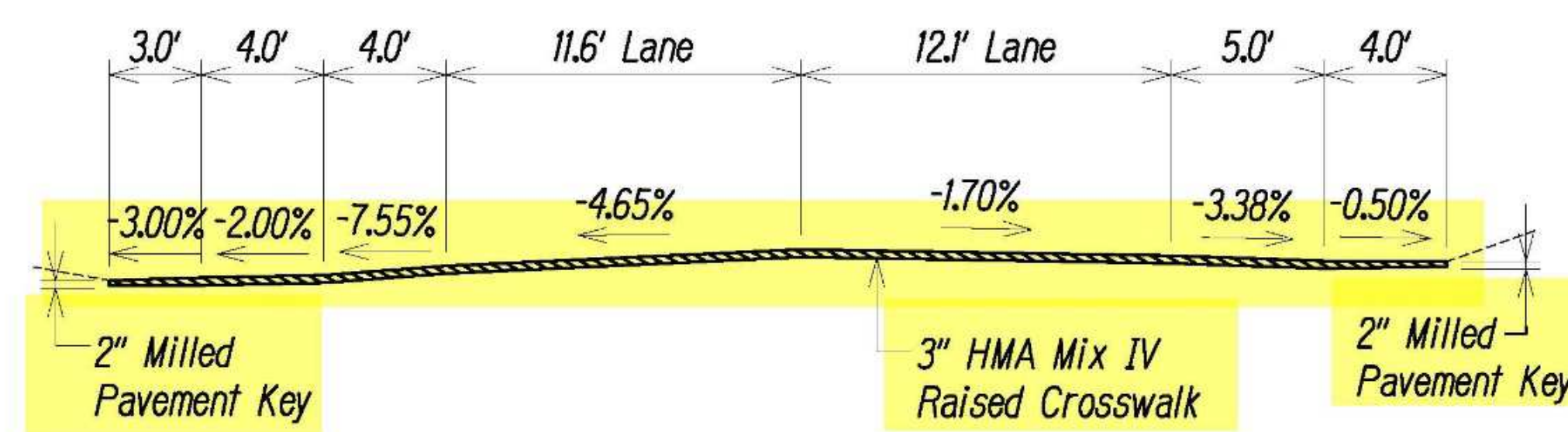
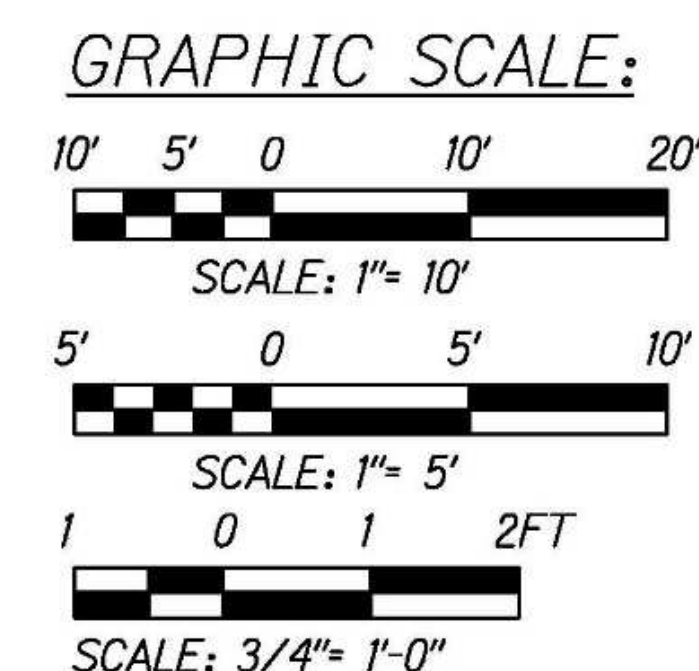
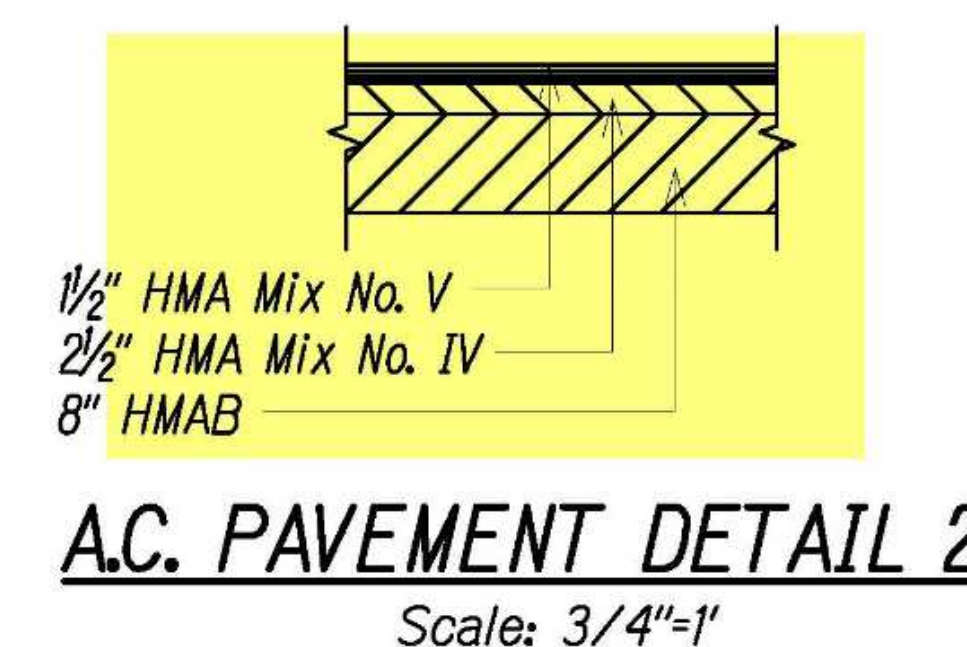




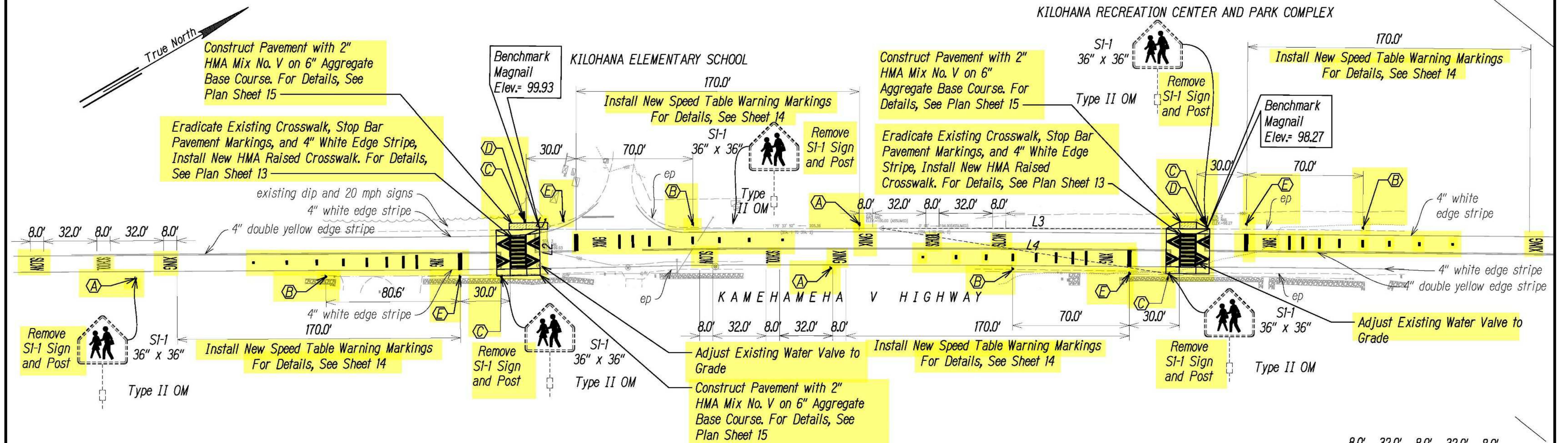
KAMEHAMEHA V HIGHWAY - OKI PLACE - SPEED TABLE WARNING MARKINGS DETAIL
Scale: 1"=10'



Note: Include 6" Aggregate Base Course Under HMAB Layer Where Specified on Plan



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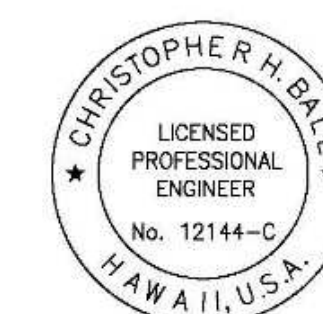
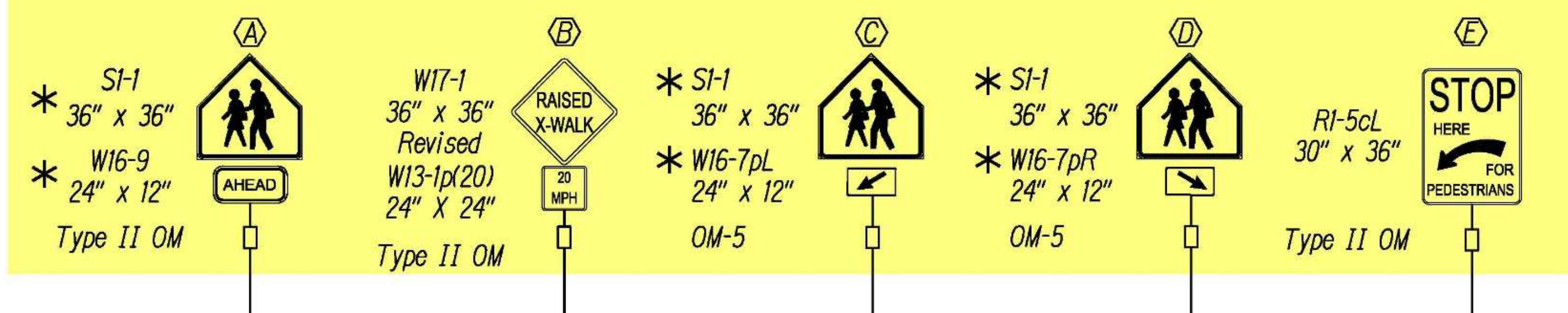
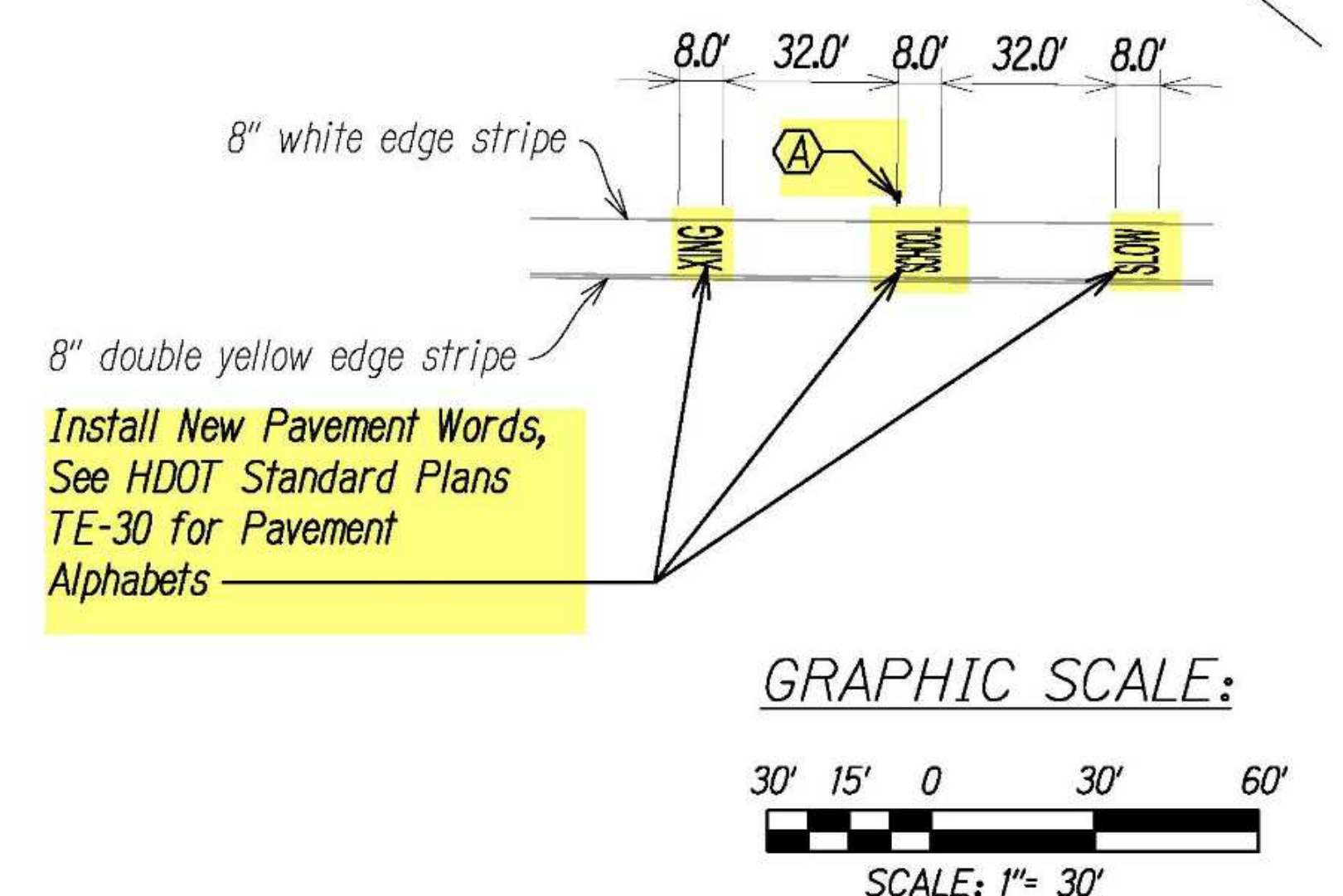


KAMEHAMEHA V HIGHWAY - KILOHANA ELEMENTARY SCHOOL - SITE PLAN
Scale: 1"=30'

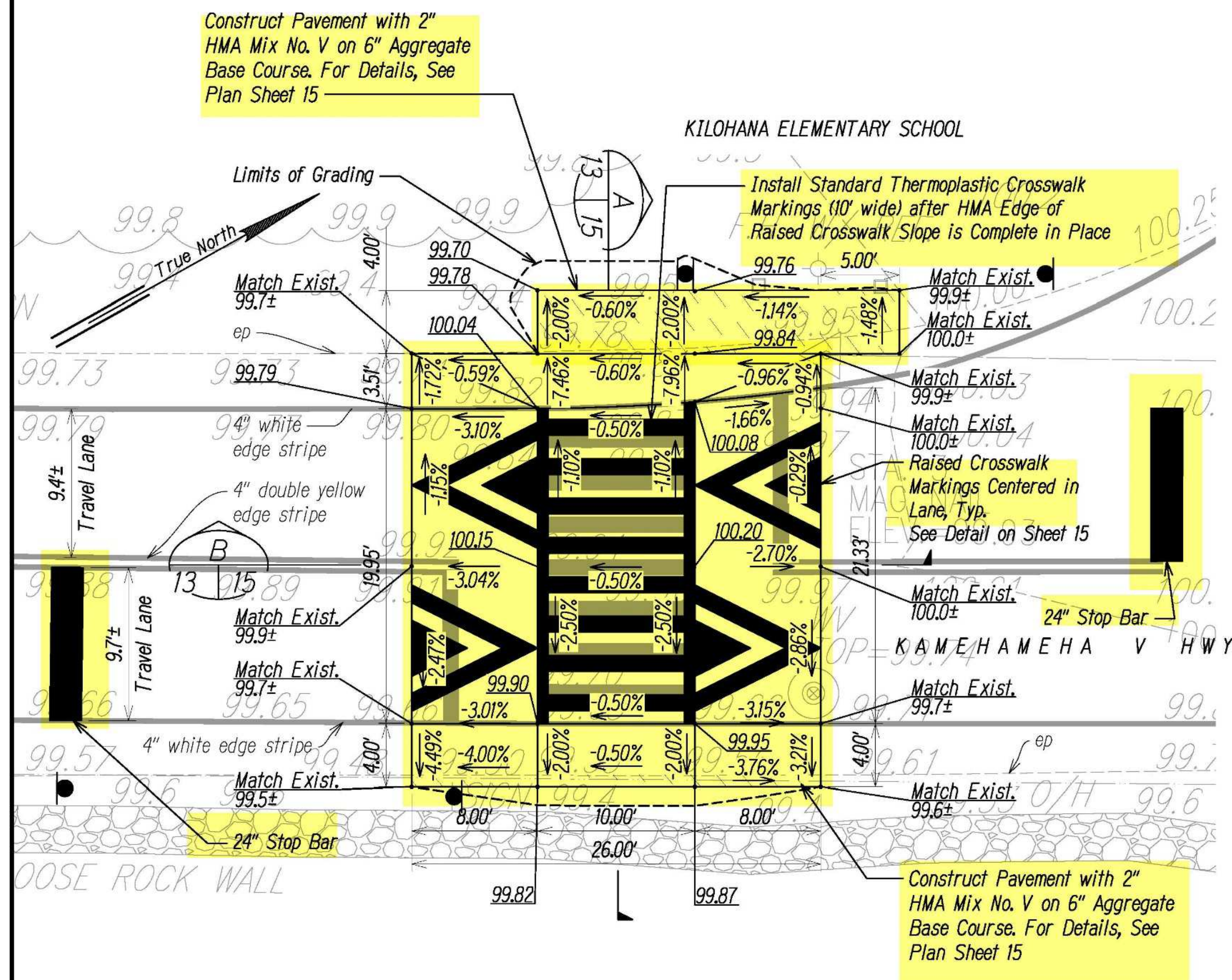
Notes:
1. See Plan Sheet 13 for Enlarged Site Plan.

- (A) Install New SI-1 and W16-9 Signs With Post
- (B) Install New W17-1 and W13-1p(20) Sign With Post
- (C) Install New SI-1 and W16-7pL Signs with Post
- (D) Install New SI-1 and W16-7pR Signs With Post
- (E) Install New RI-5cL Sign with Post
- * Fluorescent Yellow-Green

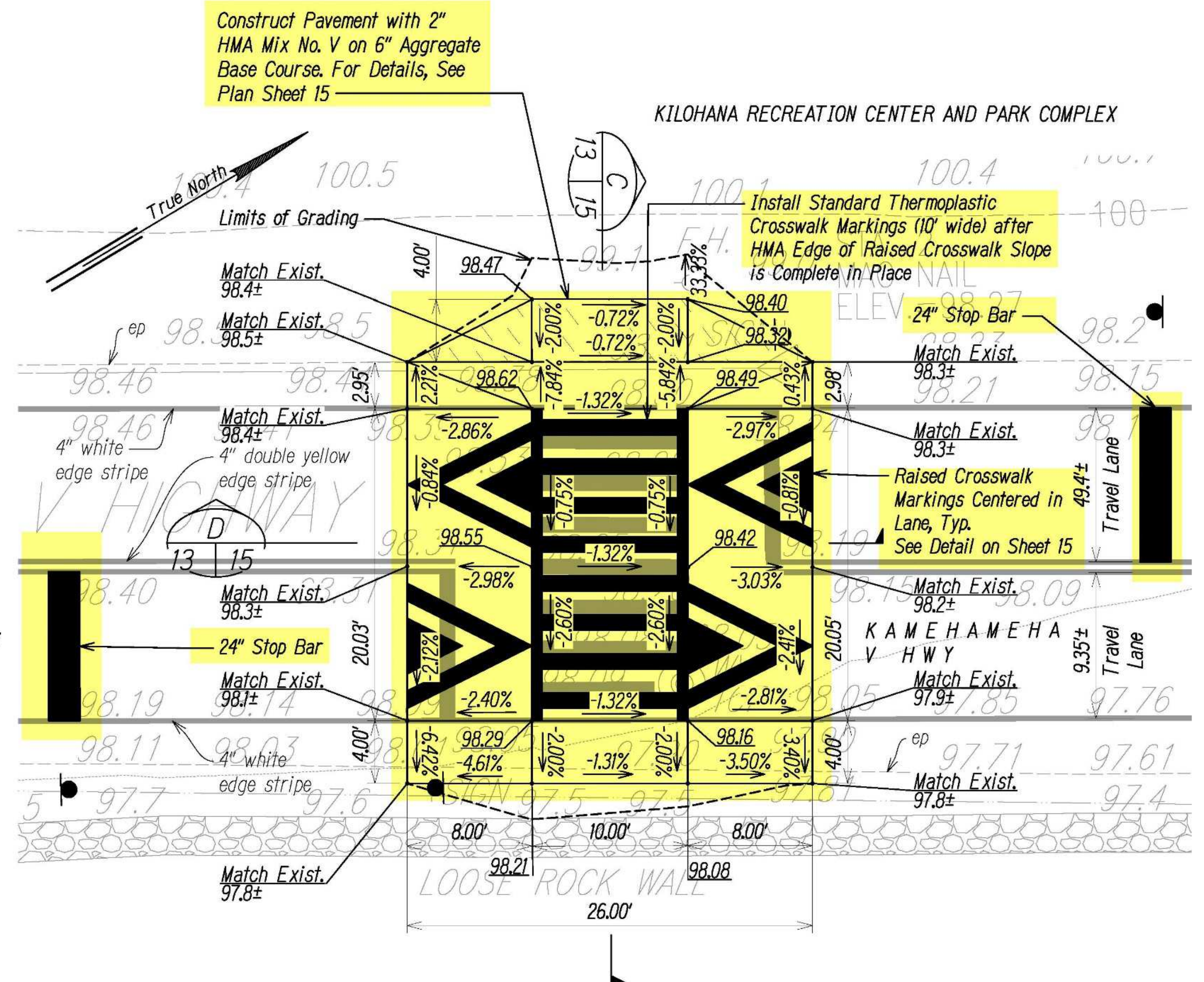
Line Table		
Line #	Length	Direction
L1	0.378	43°15'2.00"
L2	26.667	299°59'25.08"
L3	170.746	149°41'4.20"
L4	172.604	219°18'27.36"



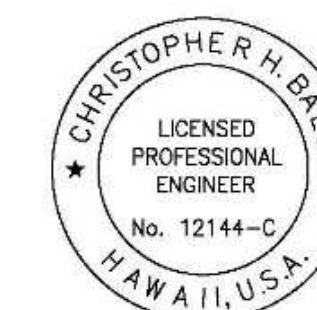
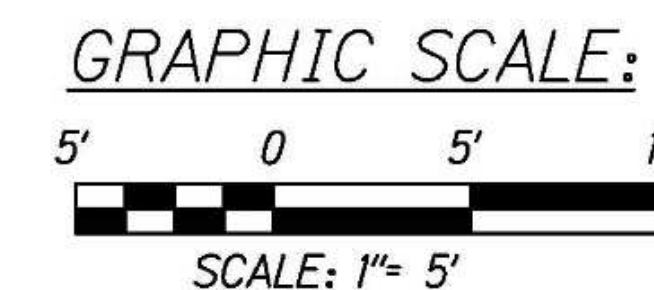
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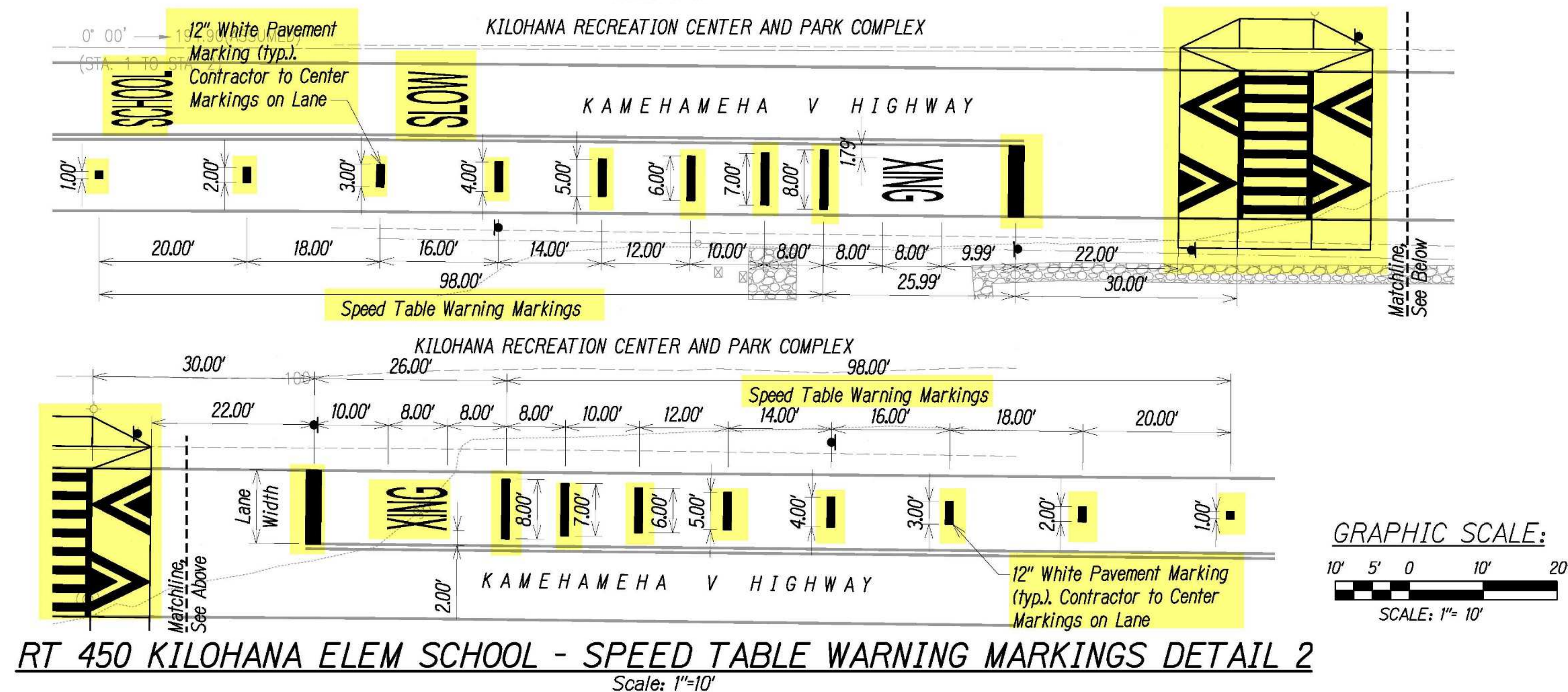
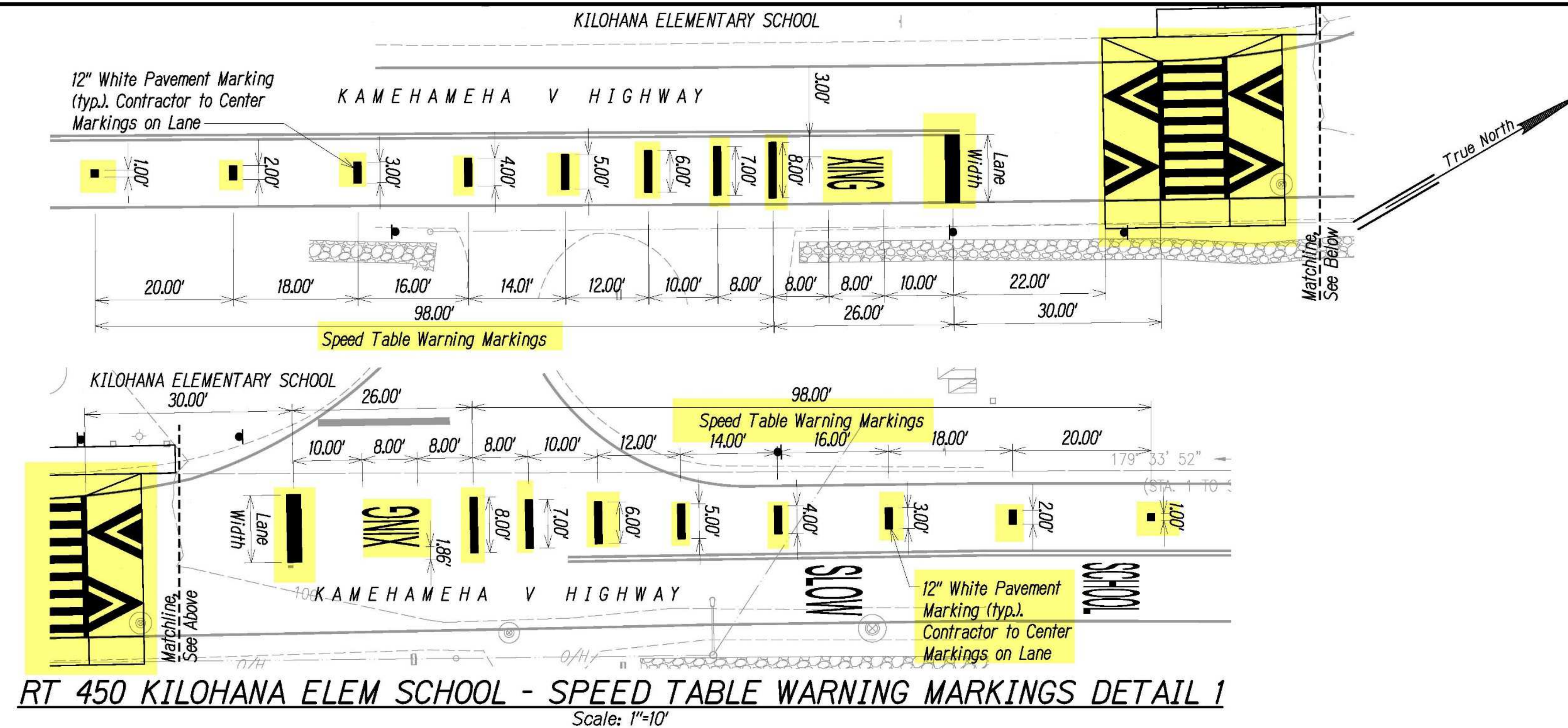
RT 450 KILOHANA ELEM SCHOOL - ENLARGED SITE PLAN 1
Scale: 1"=5'



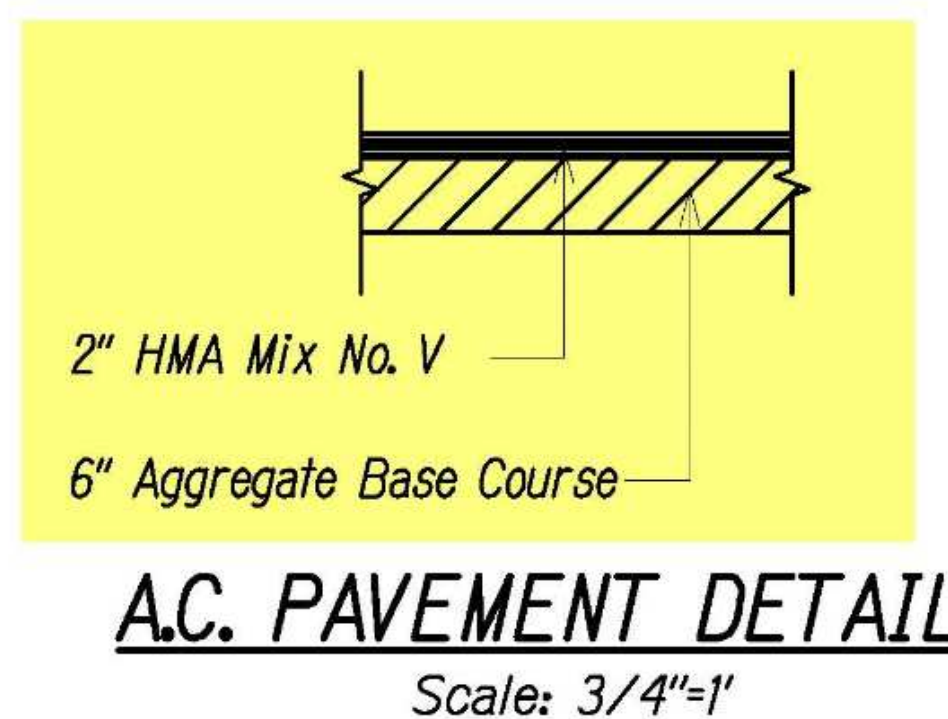
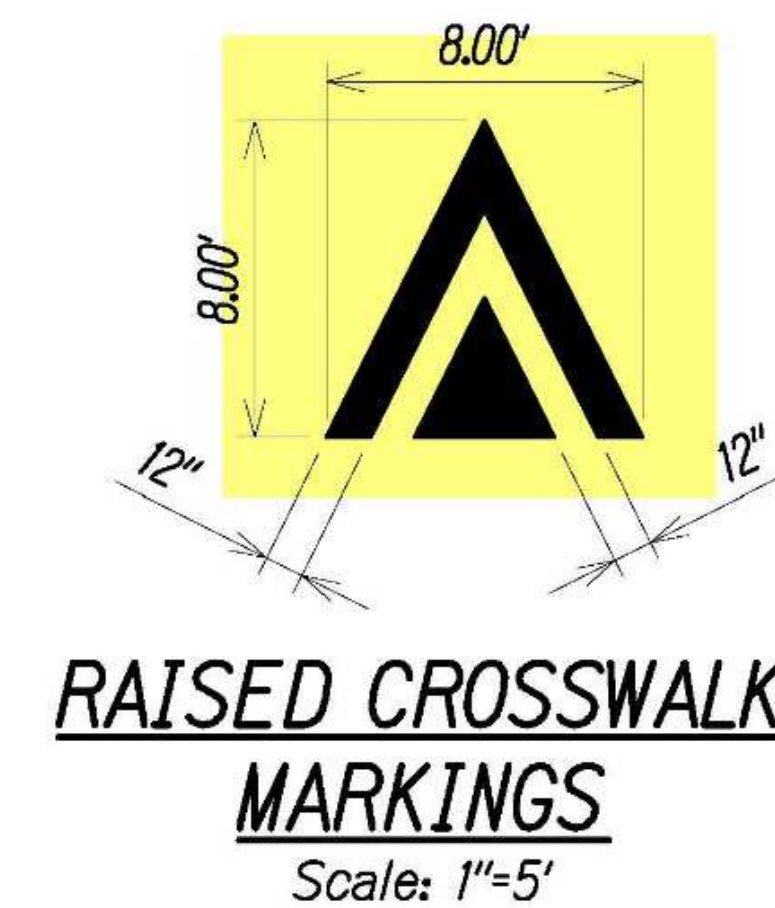
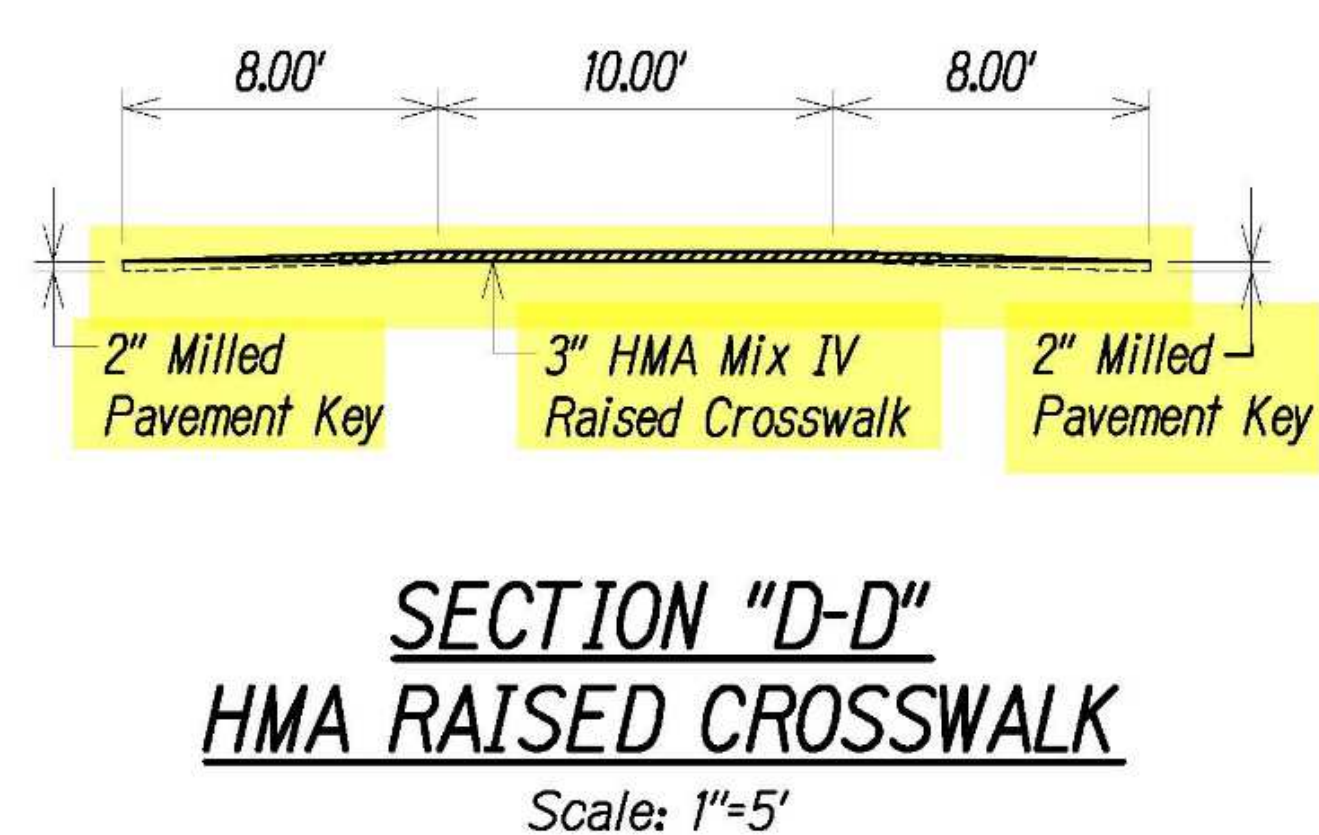
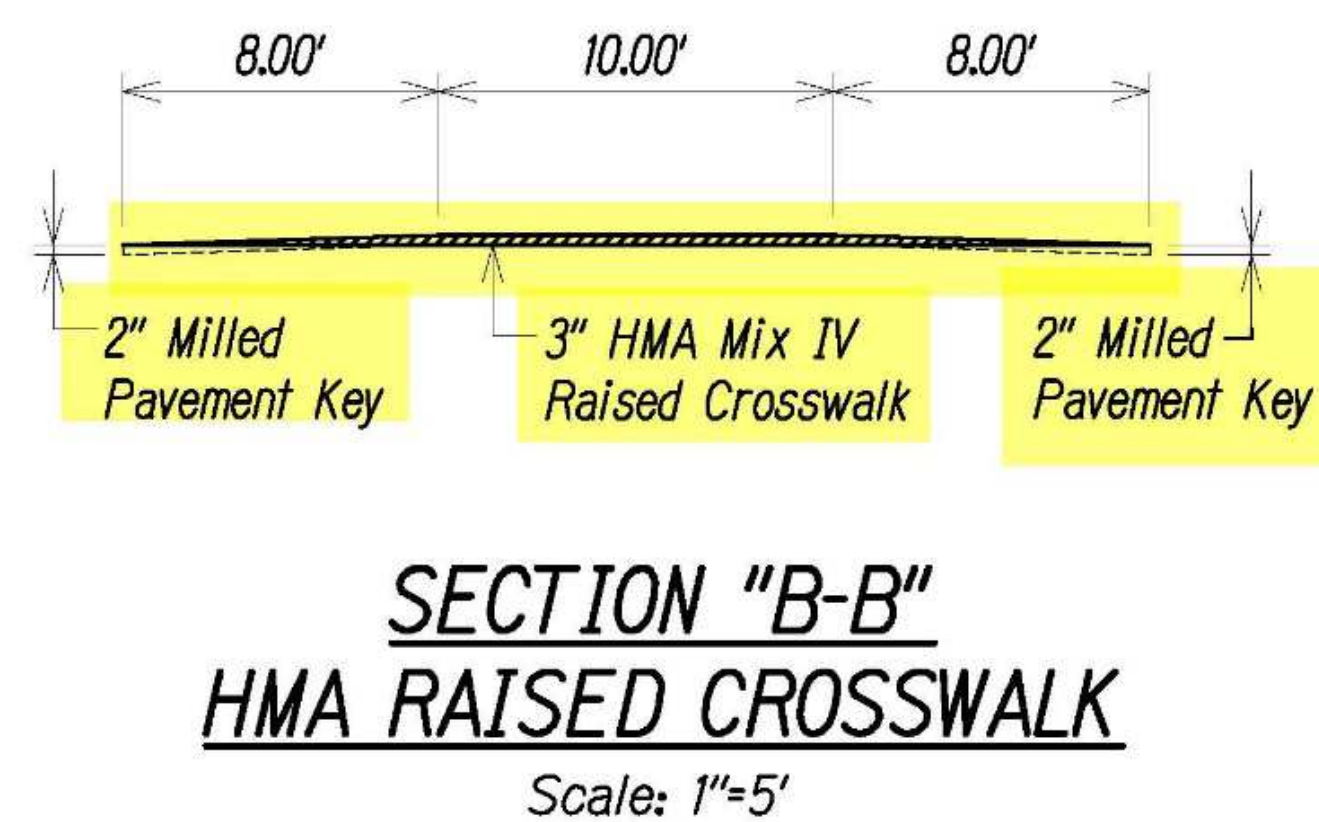
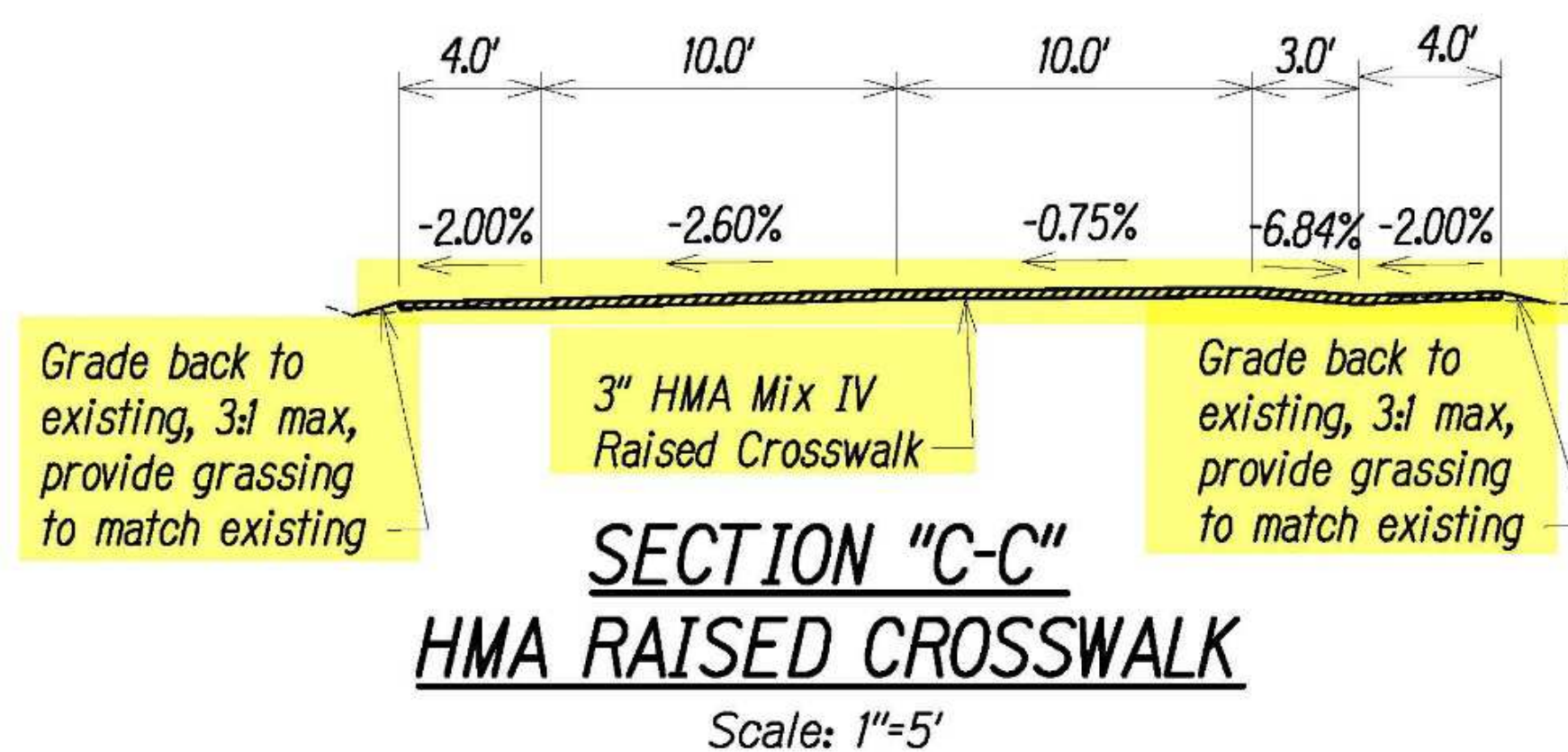
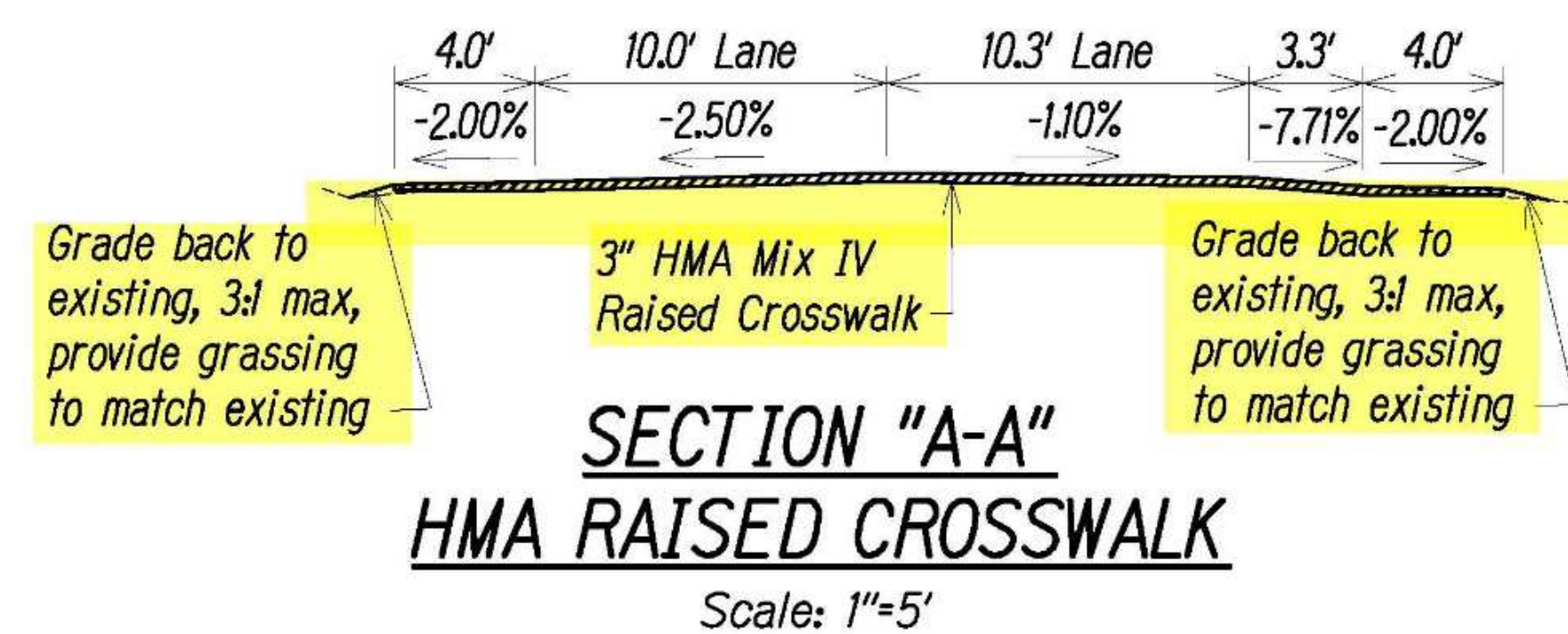
RT 450 KILOHANA ELEM SCHOOL - ENLARGED SITE PLAN 2
Scale: 1"=5'



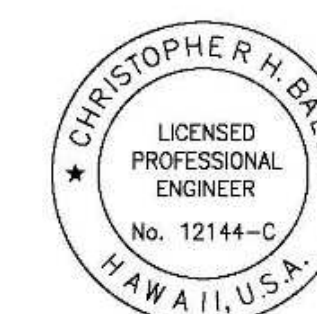
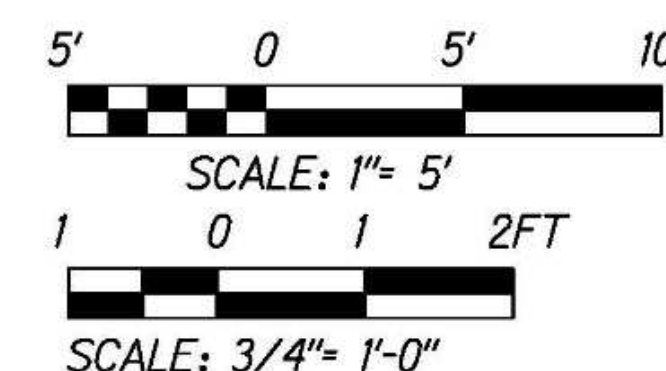
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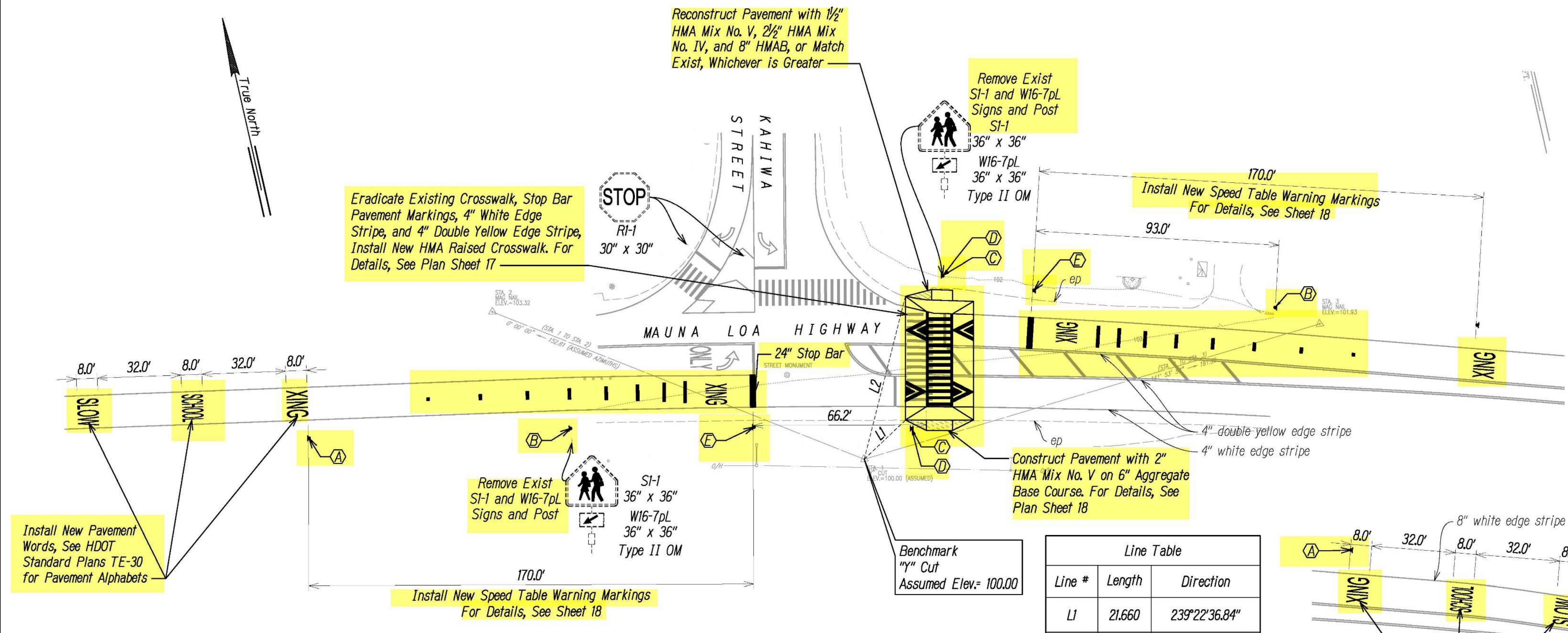
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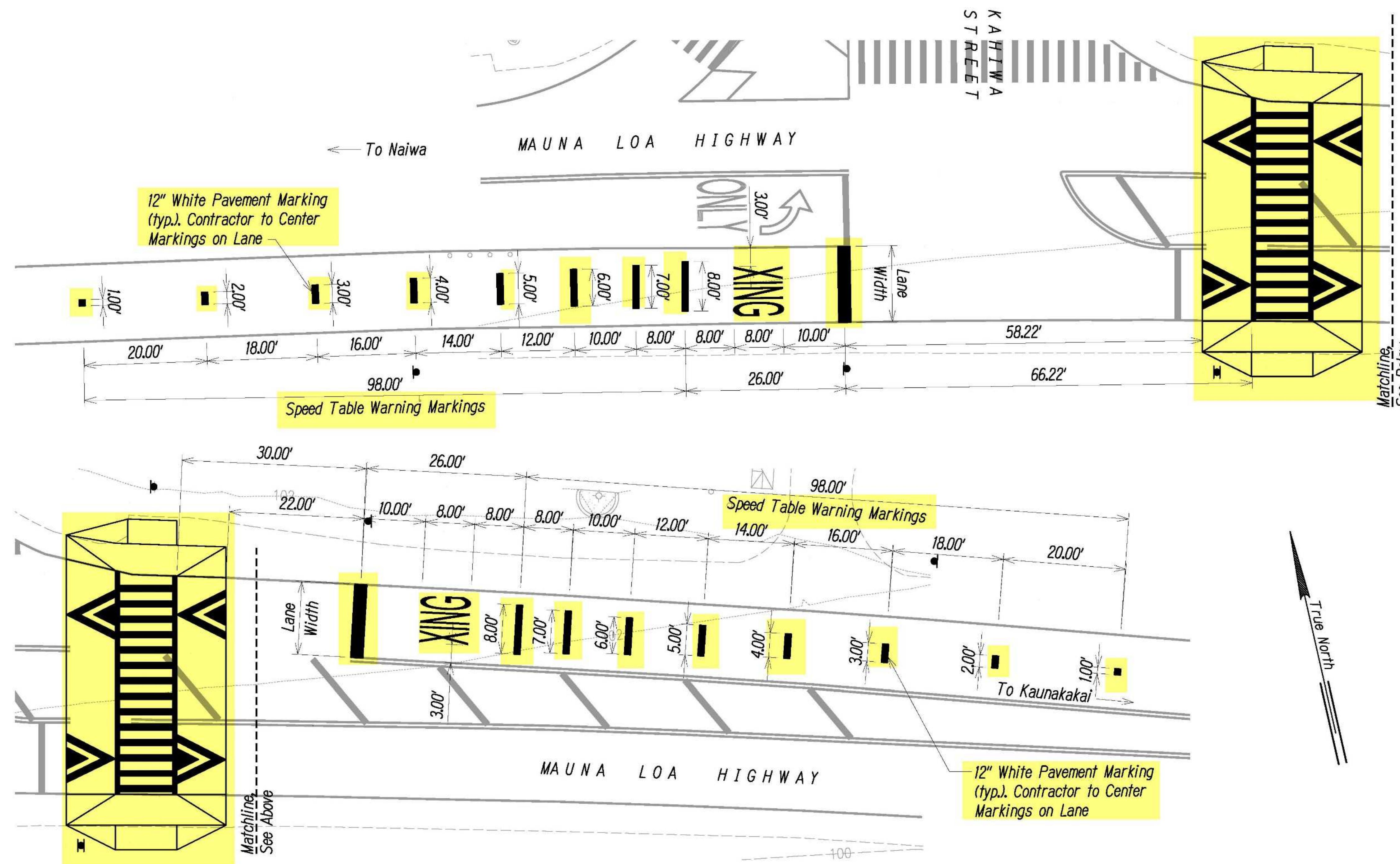


GRAPHIC SCALE:

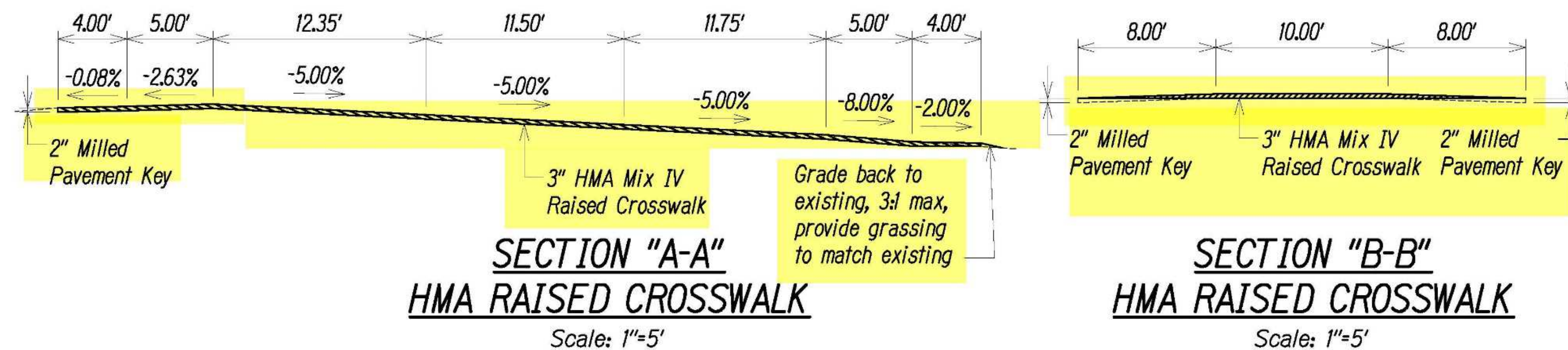


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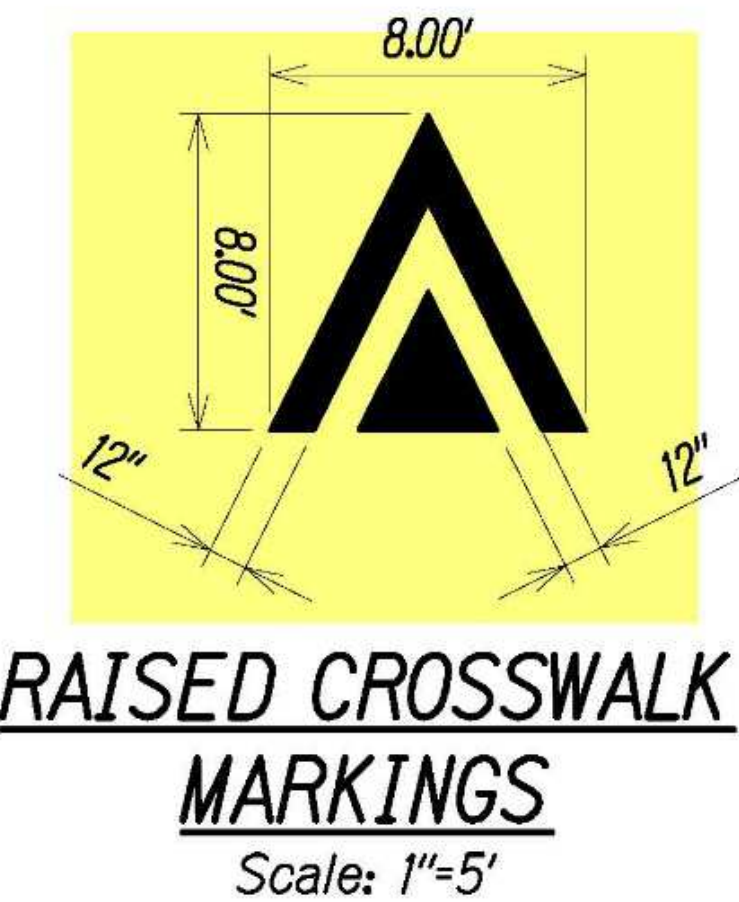
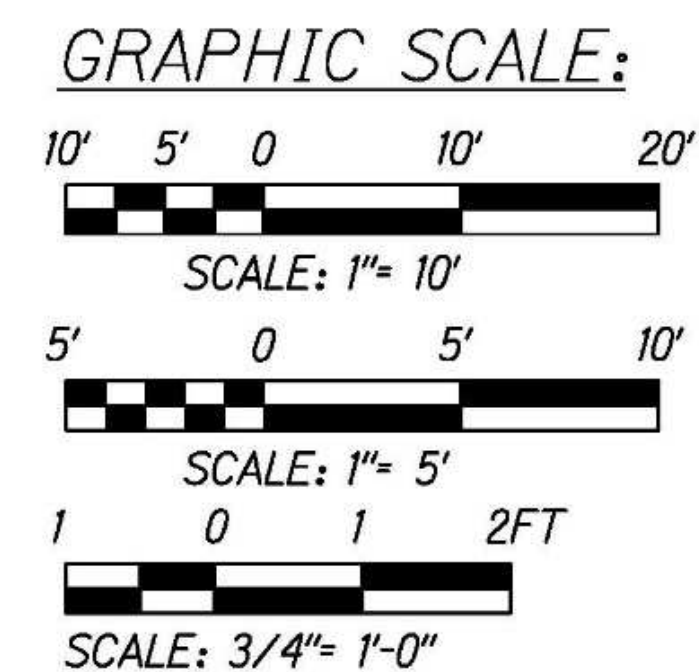


RT 460 KAHIIWA STREET - SPEED TABLE WARNING MARKINGS DETAIL
Scale: 1"=10'

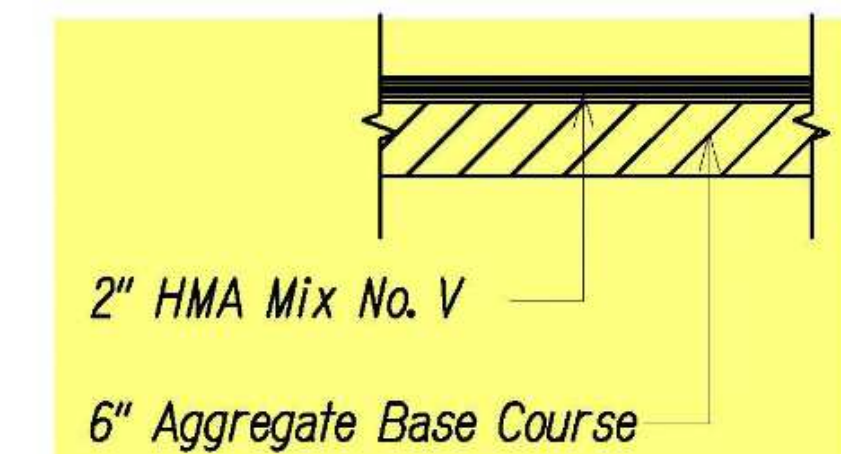


SECTION "A-A"
HMA RAISED CROSSWALK
Scale: 1"=5'

SECTION "B-B"
HMA RAISED CROSSWALK
Scale: 1"=5'

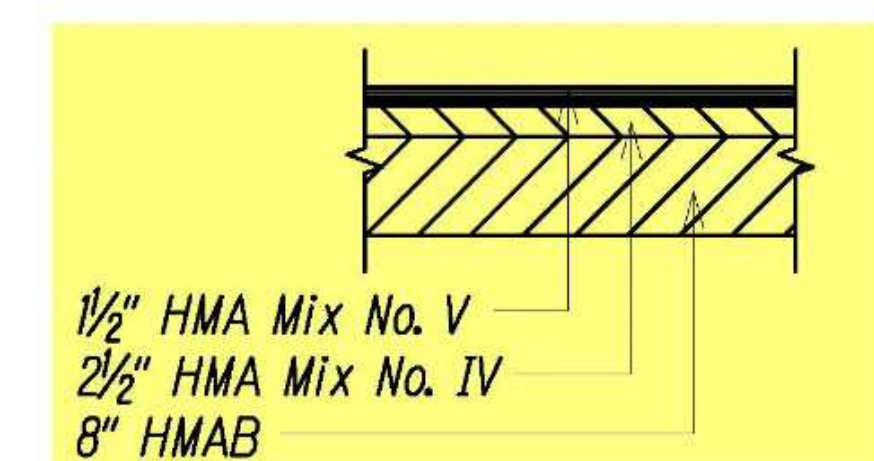


RAISED CROSSWALK MARKINGS
Scale: 1"=5'

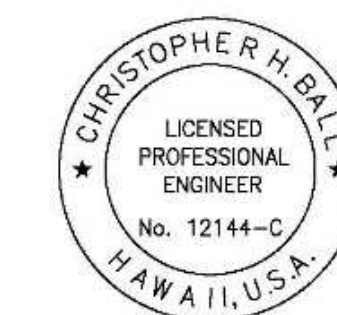


A.C. PAVEMENT DETAIL 1
Scale: 3/4"=1'

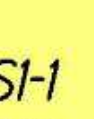
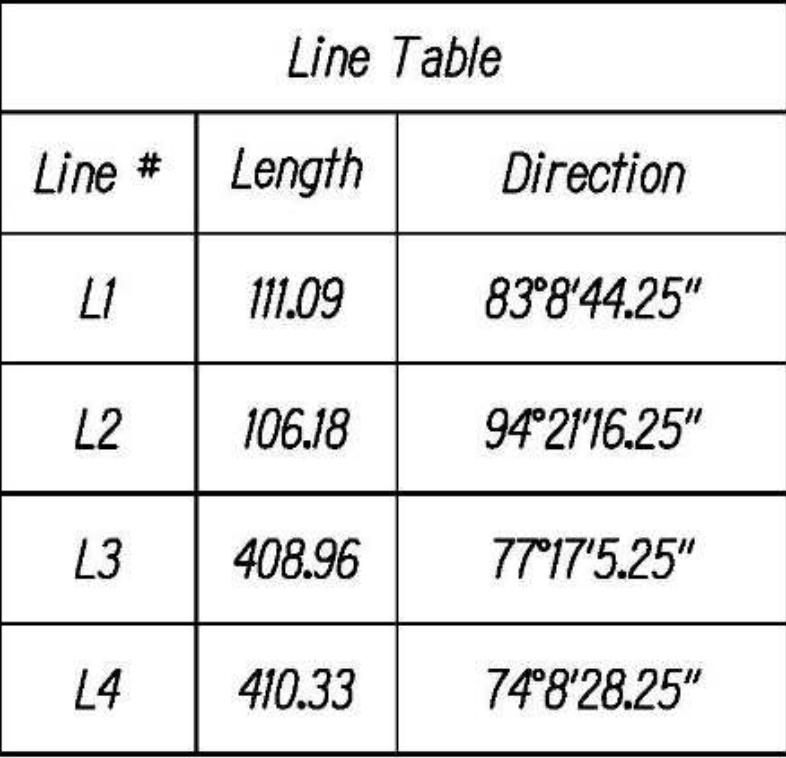
Note: Include 6" Aggregate Base Course Under HMAB Layer Where Specified on Plan

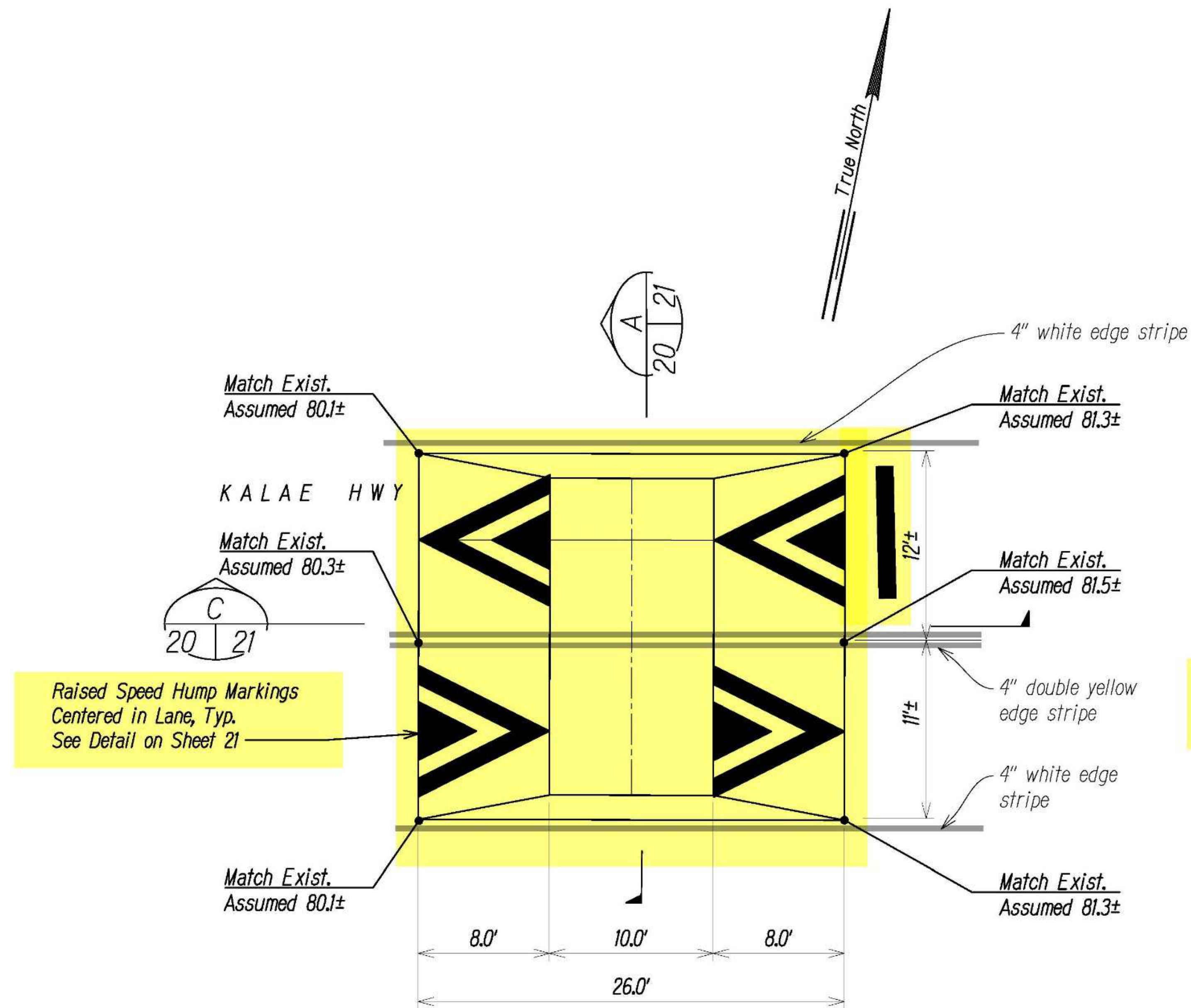


A.C. PAVEMENT DETAIL 2
Scale: 3/4"=1'

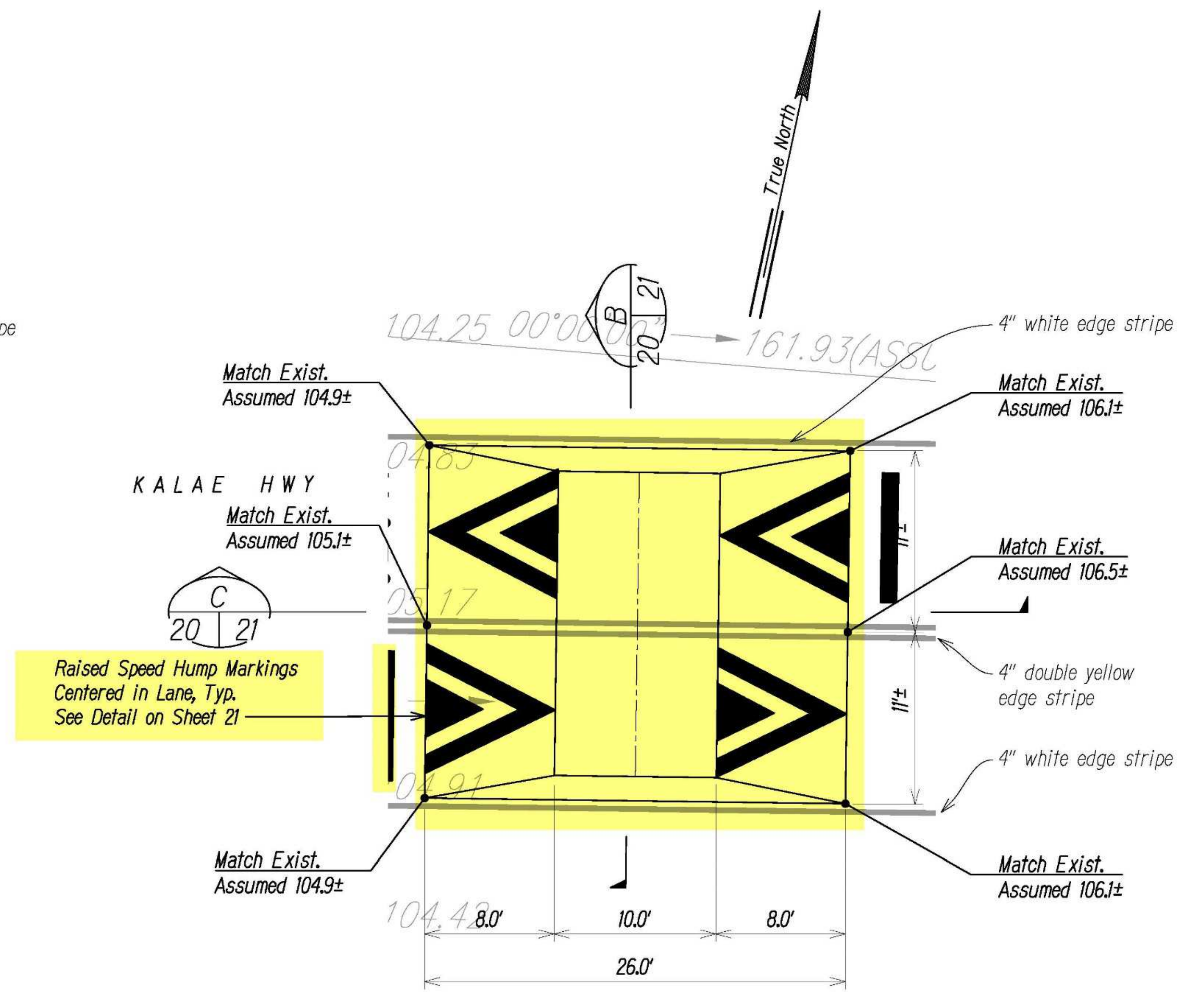


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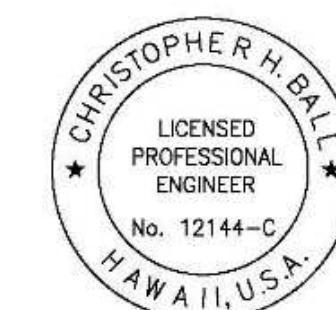
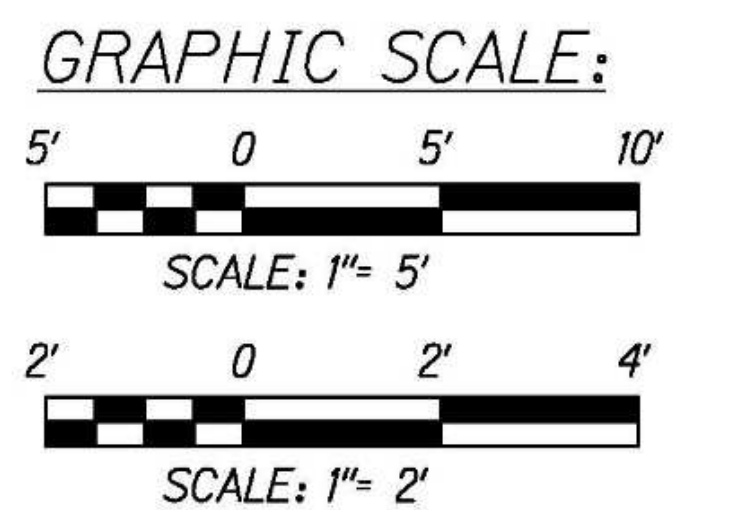




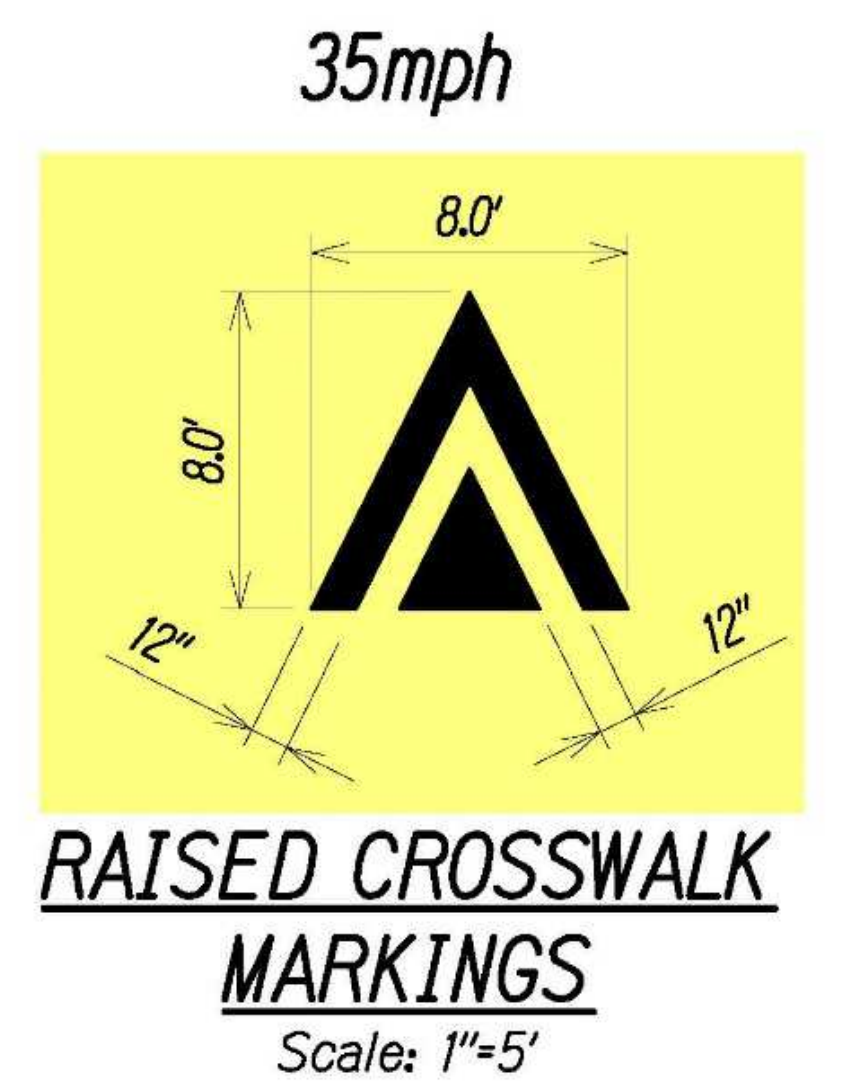
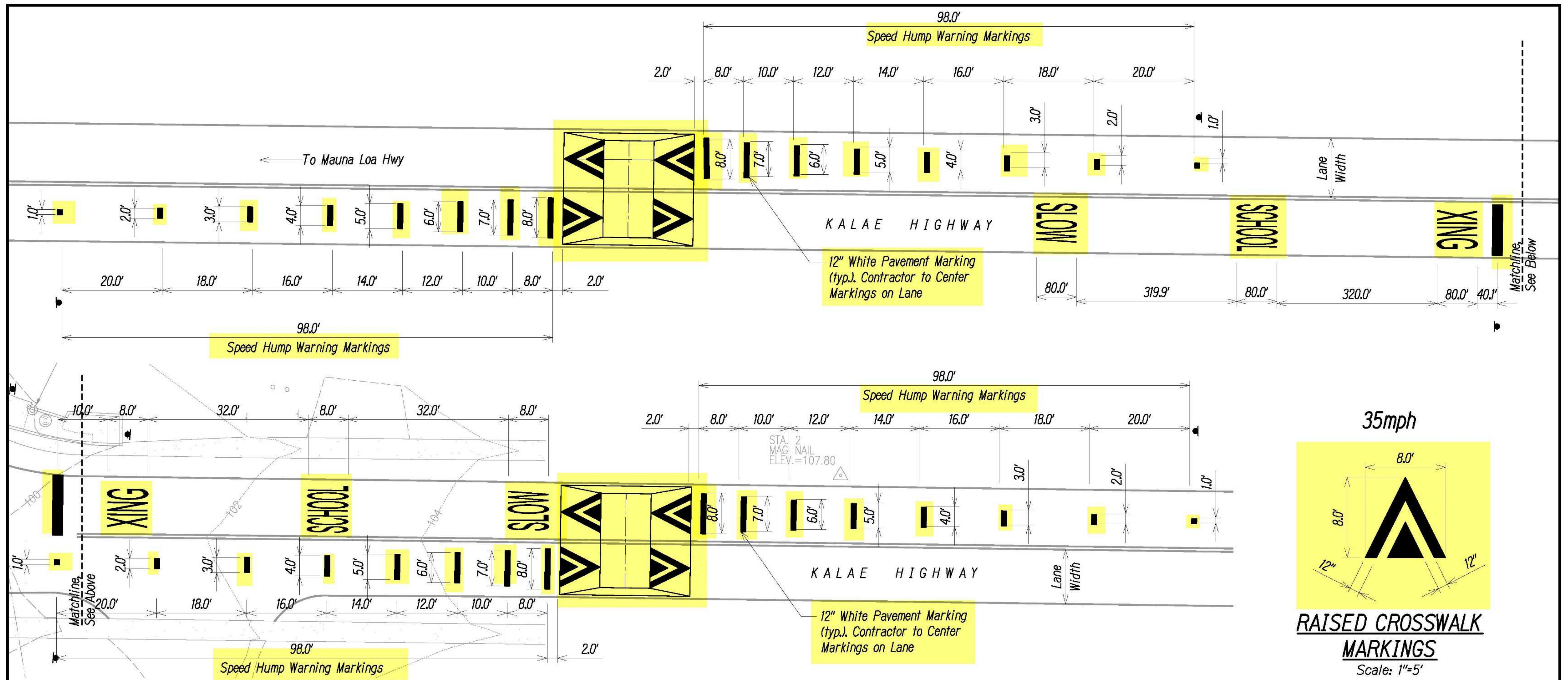
RT 470 FARRINGTON AVENUE - ENLARGED SITE PLAN 1
Scale: 1"=5'



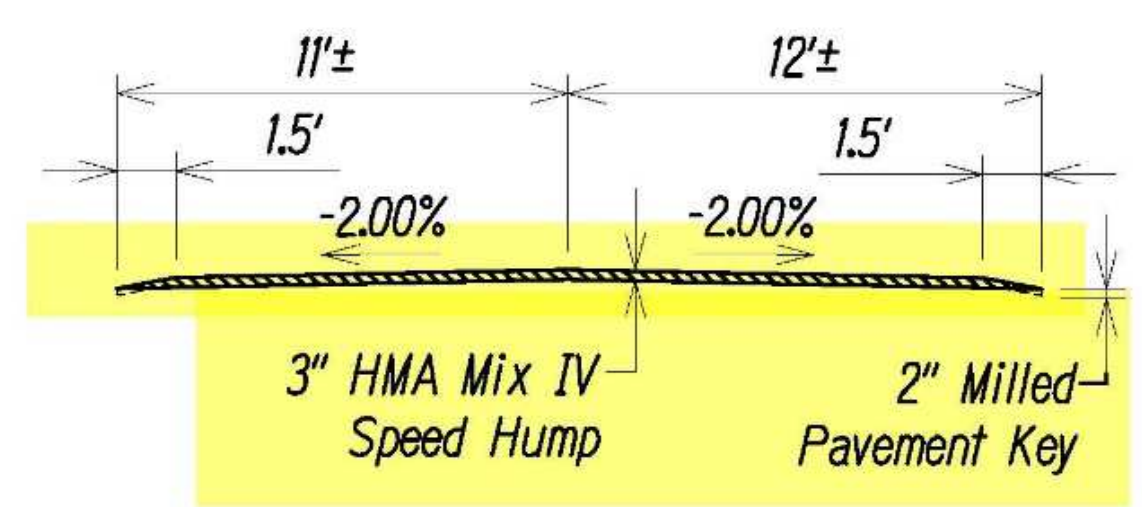
RT 470 FARRINGTON AVENUE - ENLARGED SITE PLAN 2
Scale: 1"=5'



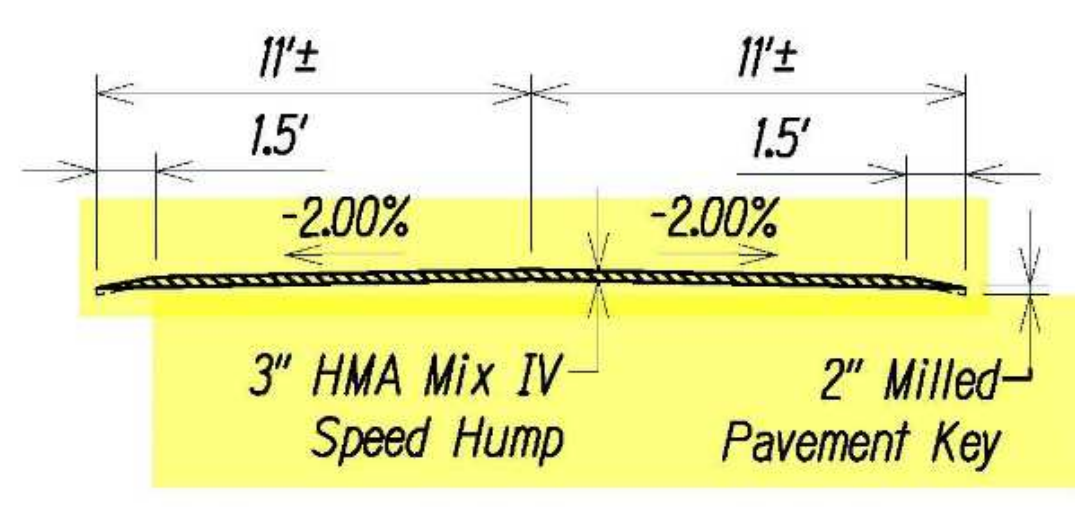
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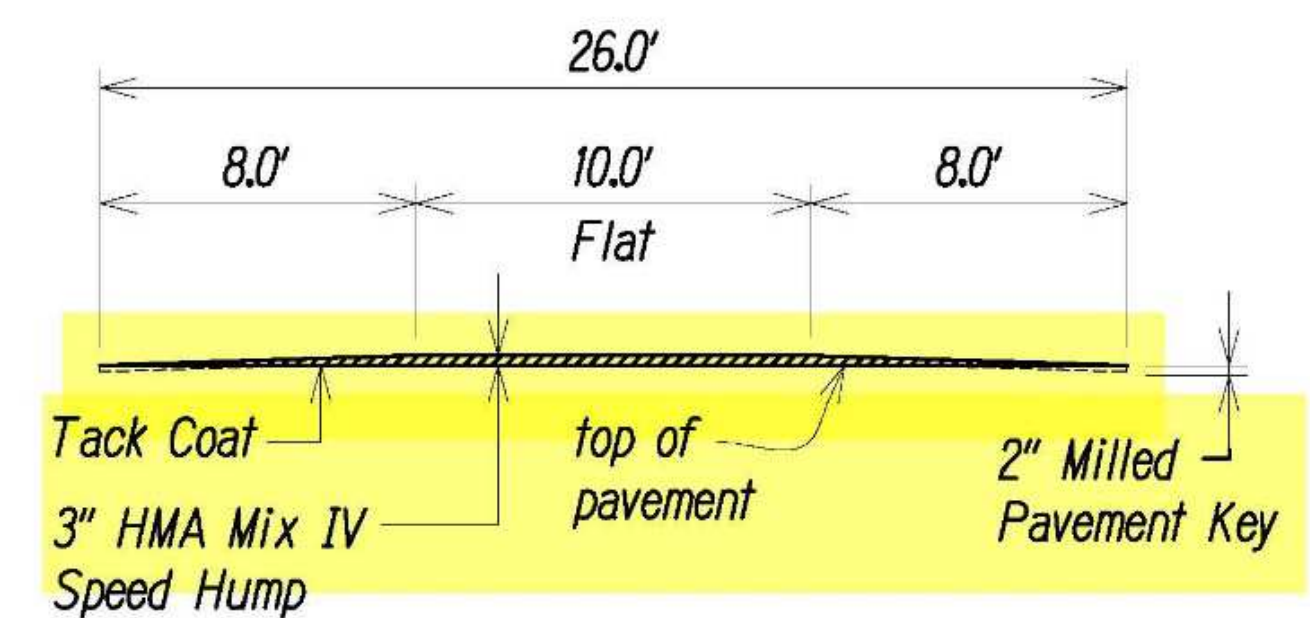
RT 470 FARRINGTON AVENUE - SPEED HUMPS WARNING MARKINGS DETAIL
 Scale: 1"=10'



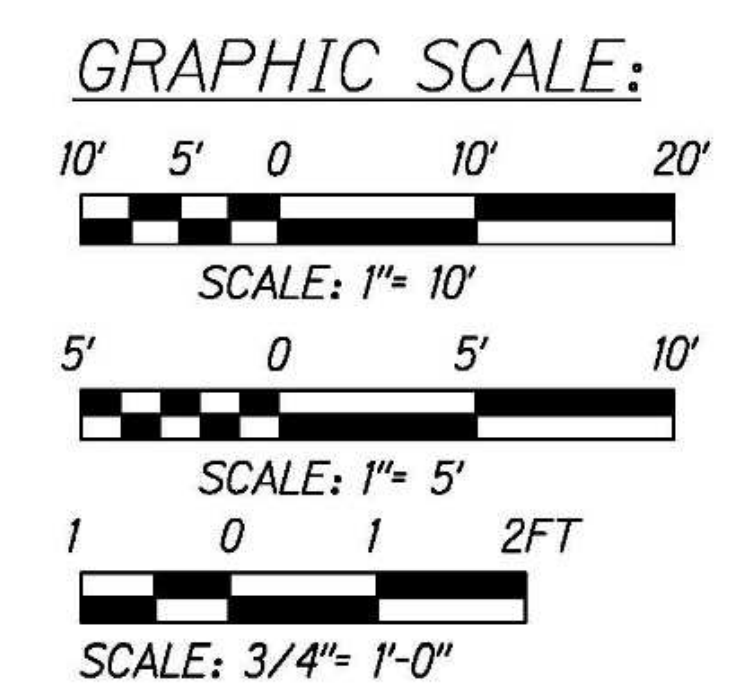
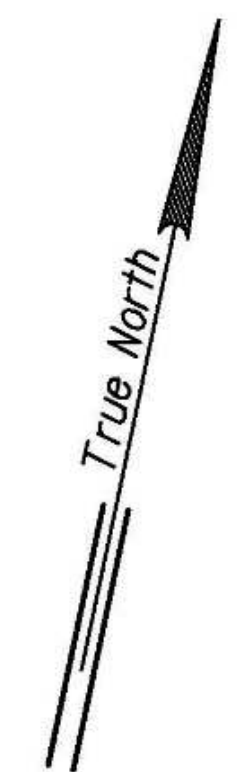
SECTION "A-A"
SPEED HUMPS
 Scale: 1"=5'



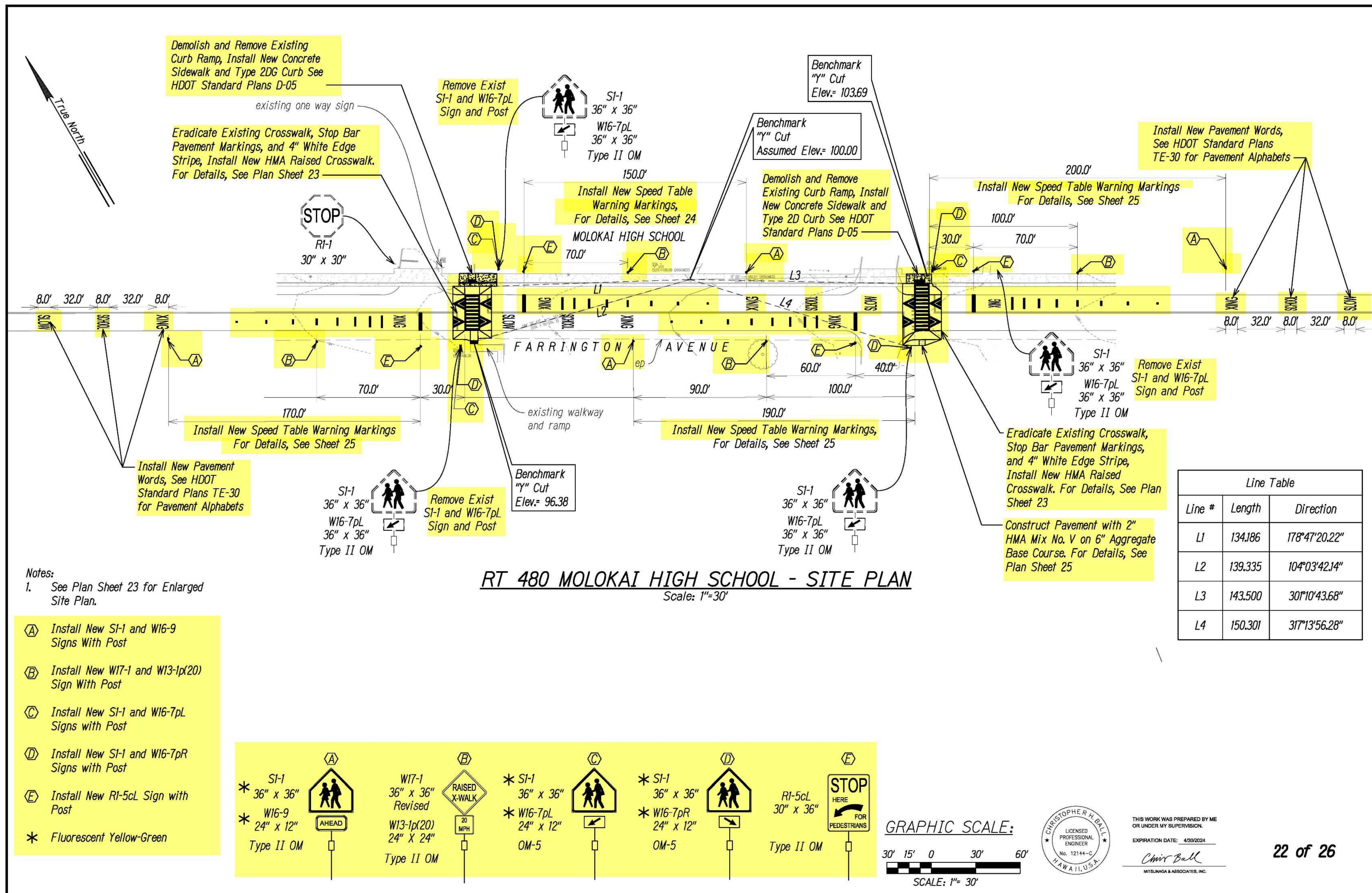
SECTION "B-B"
SPEED HUMPS
 Scale: 1"=5'

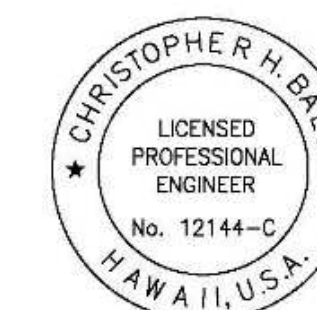
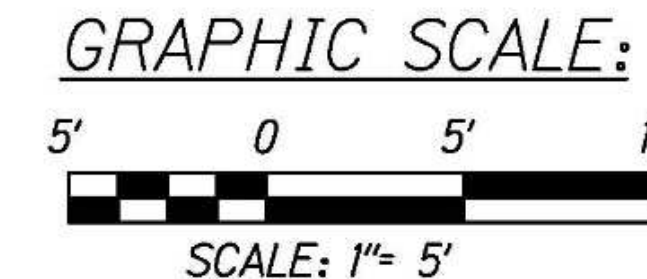
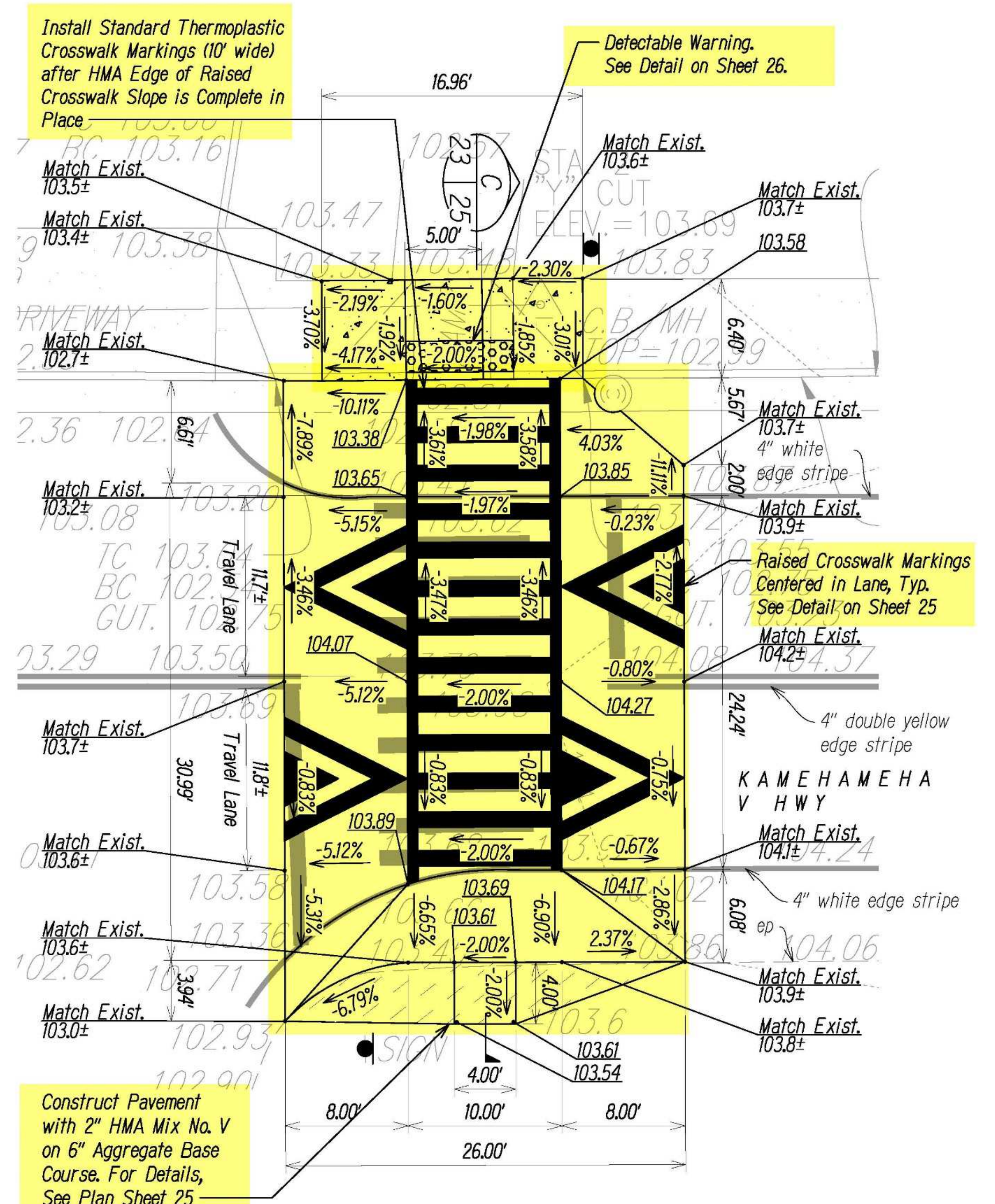
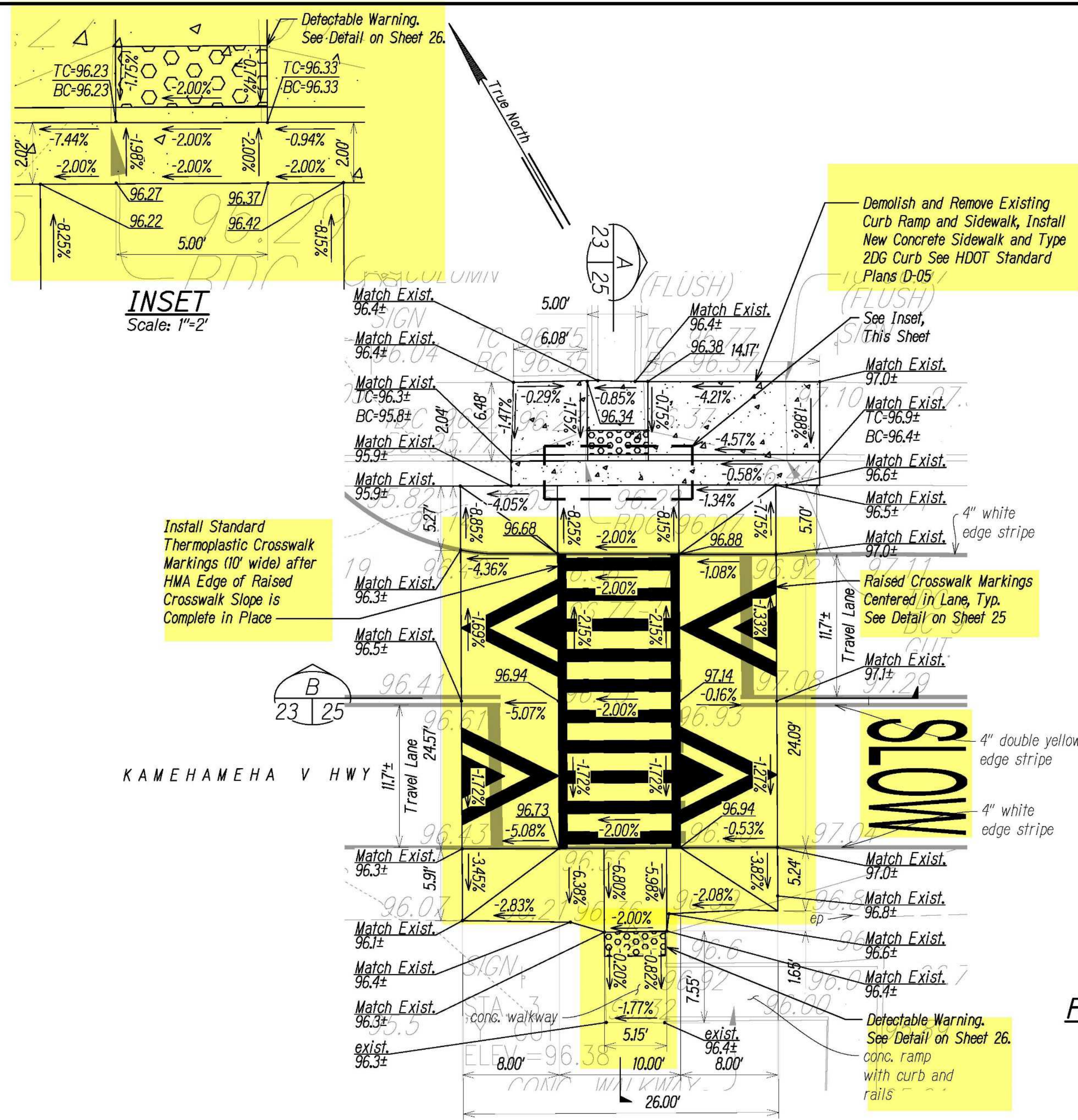


SECTION "C-C"
SPEED HUMPS
 Scale: 1"=5'

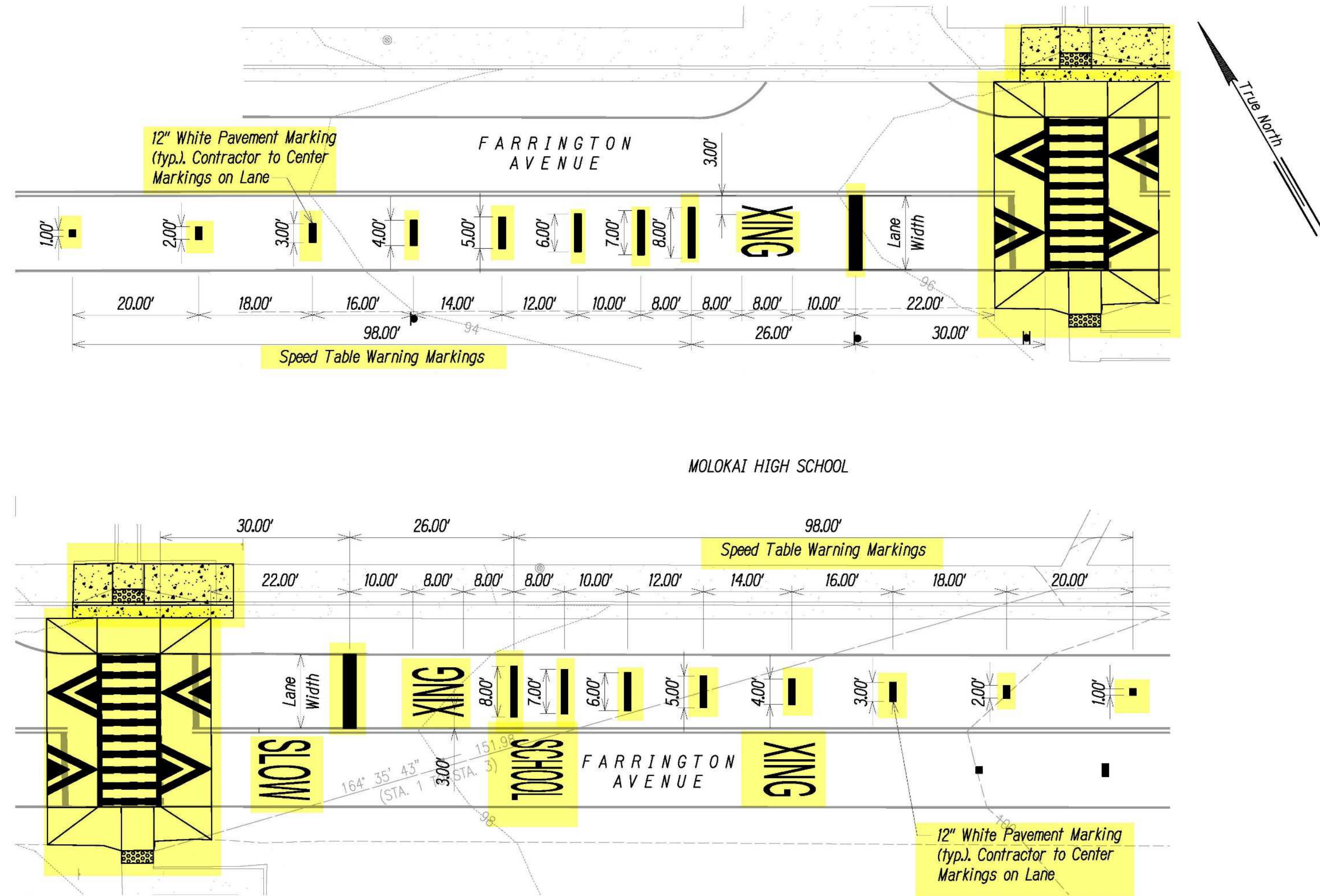


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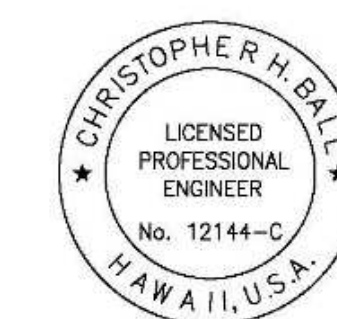
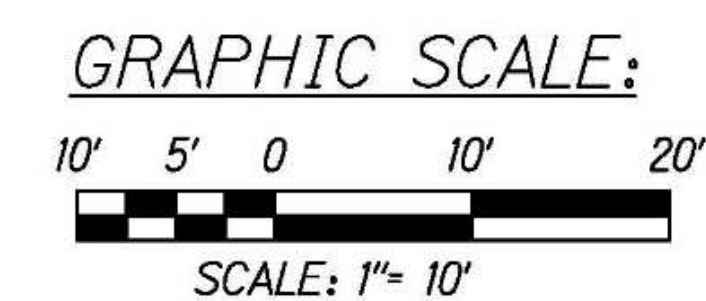




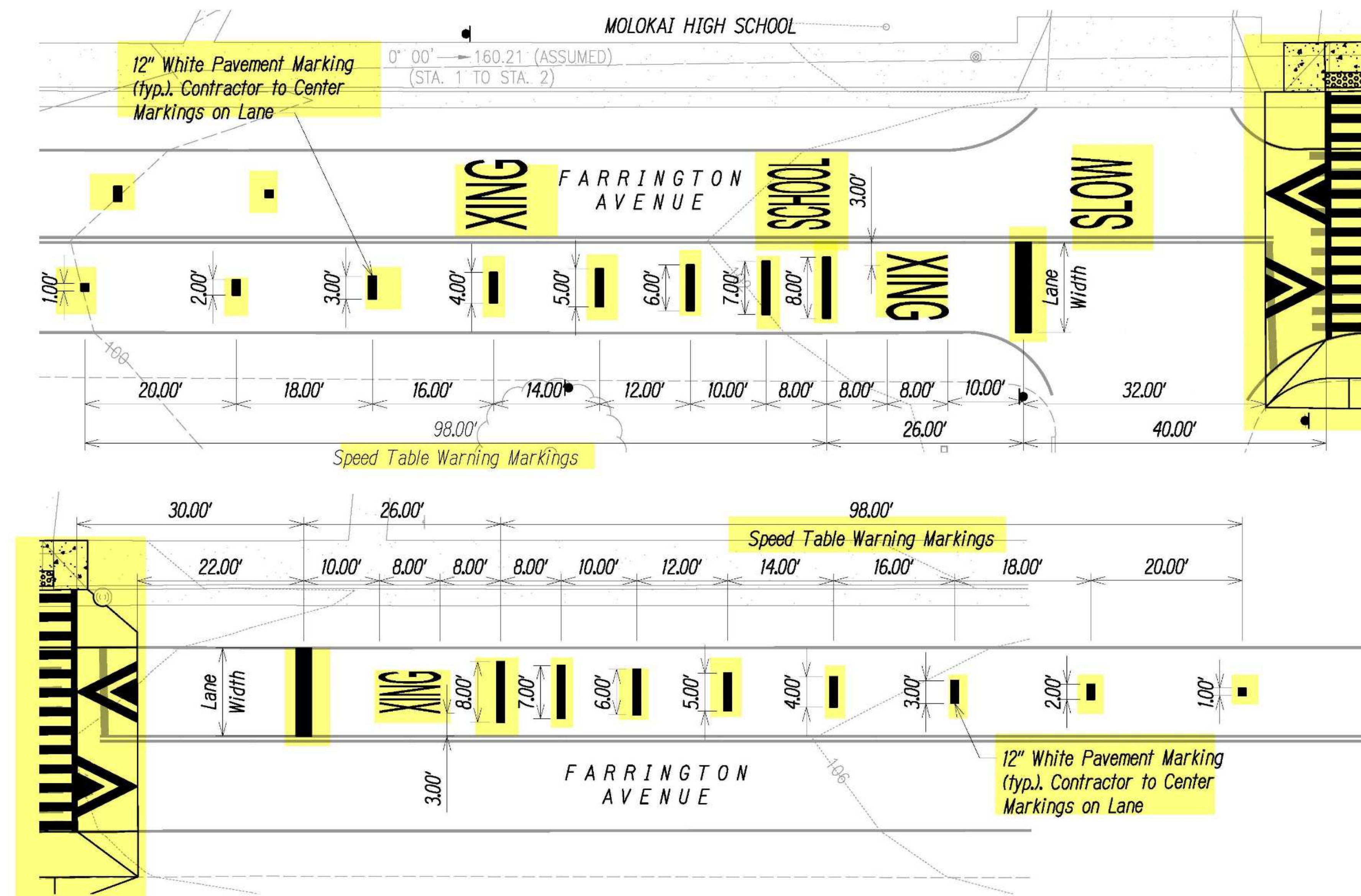
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RT 480 MOLOKAI HIGH SCHOOL - SPEED TABLE WARNING MARKINGS DETAIL 1
 Scale: 1"=10'



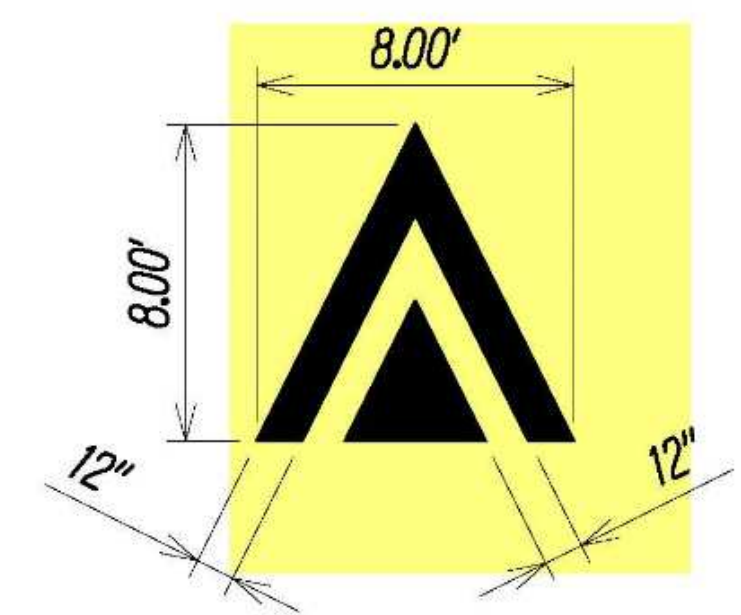
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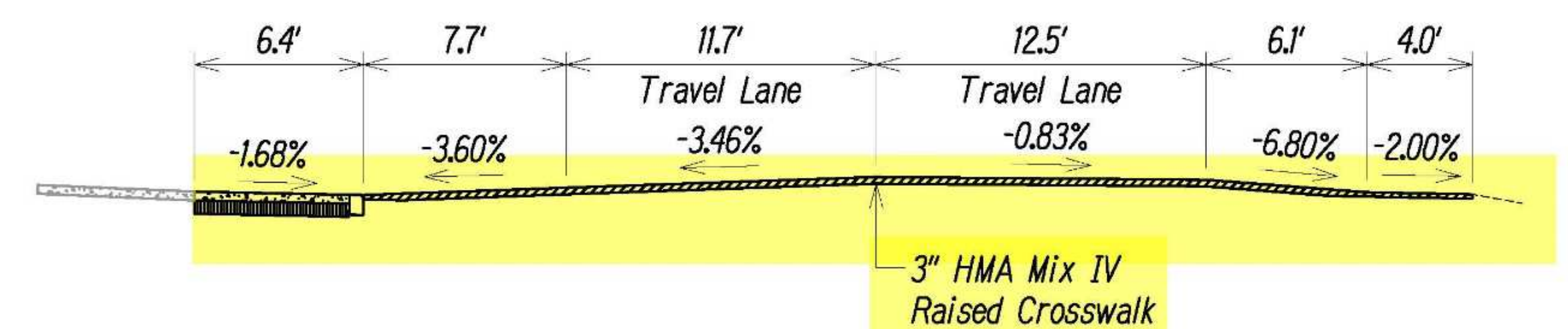
RT 480 MOLOKAI HIGH SCHOOL - SPEED TABLE WARNING MARKINGS DETAIL 2
Scale: 1"=10'



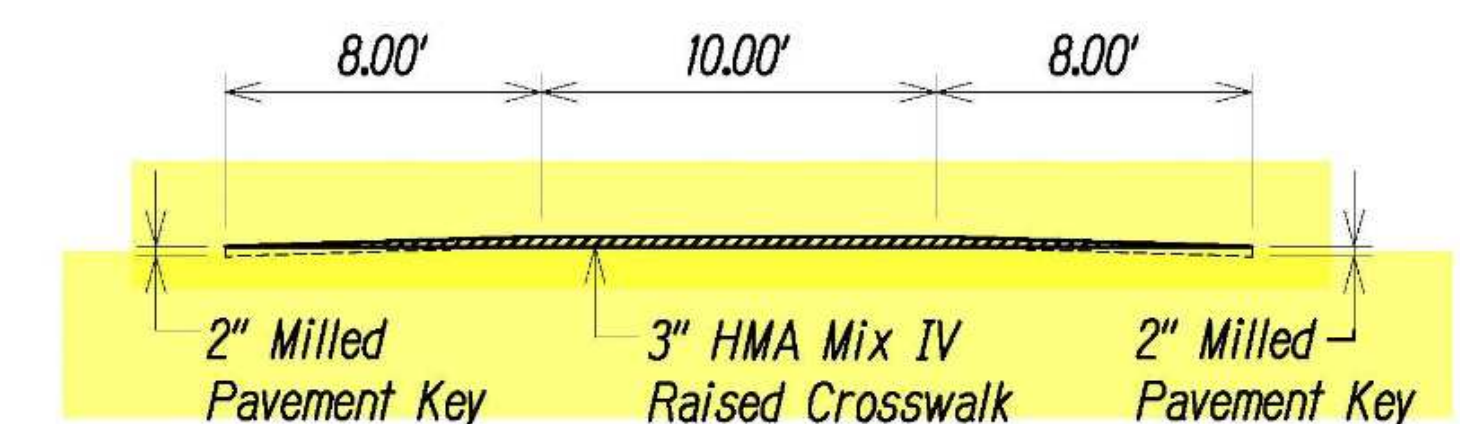
A.C. PAVEMENT DETAIL
Scale: 3/4"=1'



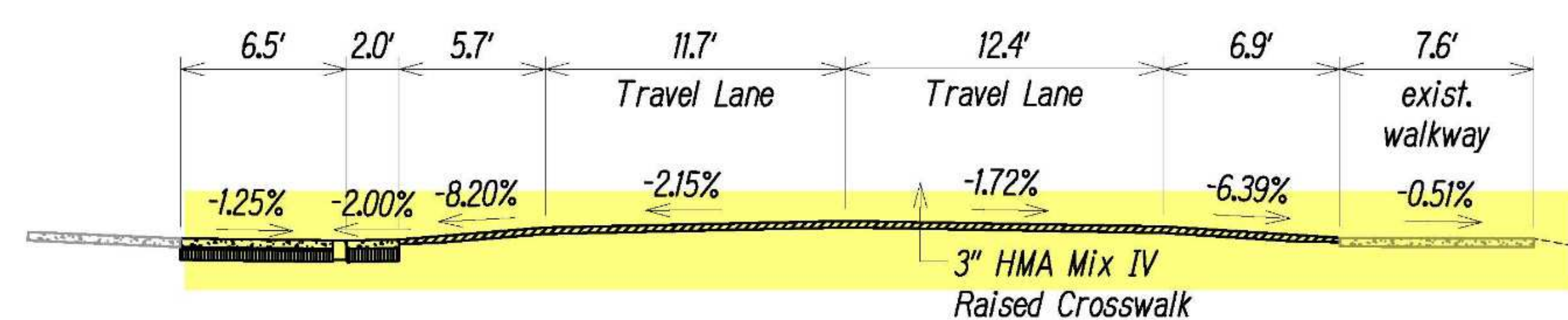
RAISED CROSSWALK MARKINGS
Scale: 1"=5'



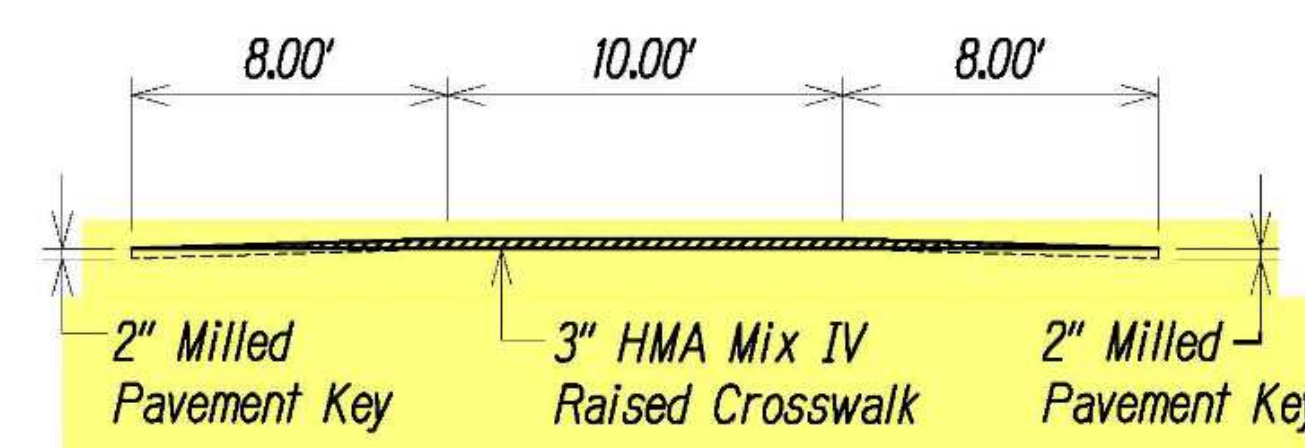
SECTION "C-C"
HMA RAISED CROSSWALK
Scale: 1"=5'



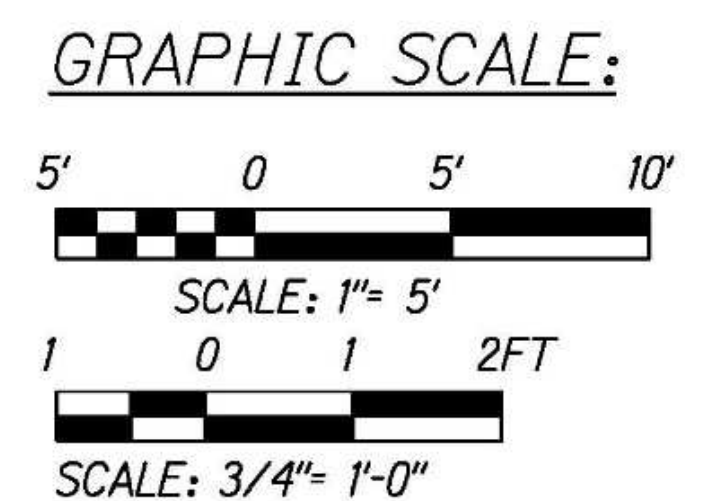
SECTION "D-D"
HMA RAISED CROSSWALK
Scale: 1"=5'



SECTION "A-A"
HMA RAISED CROSSWALK
Scale: 1"=5'



SECTION "B-B"
HMA RAISED CROSSWALK
Scale: 1"=5'



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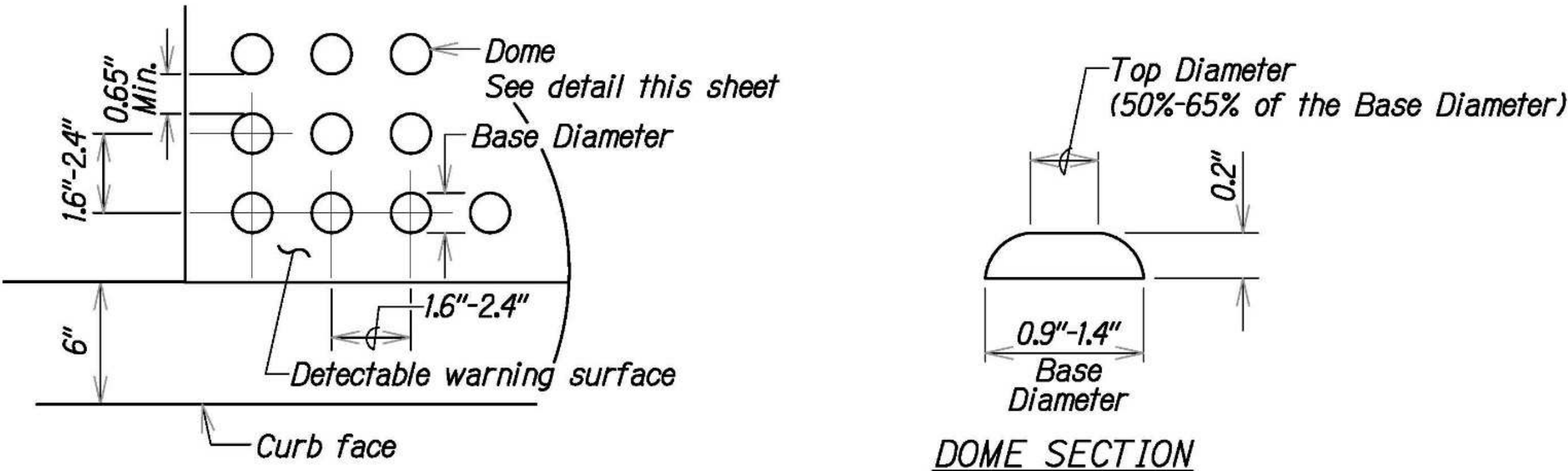
EXPIRATION DATE: 4/30/2024

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CURB RAMP AND SIDEWALK NOTES:

1. These typical details are intended as curb ramp guidelines for design and construction. These guidelines shall not replace site specific curb ramp plans.
2. A 2% maximum cross slope shall be maintained in the direction of pedestrian traffic.
3. Where necessary, existing pullboxes, handholes, manholes, etc. shall be adjusted to match curb ramp grade. Adjustments shall not be paid for separately but shall be considered incidental to the various curb ramp items unless indicated otherwise.
4. Transitions from ramps to gutters and roadways shall be flush.
5. Curb ramps and sidewalks shall be constructed to eliminate ponding to the maximum extent feasible.
6. Construction joints are required to join curb ramps with sidewalks.
7. All curb ramps shall be reinforced with 6x6 W1.4/W1.4 welded wire fabric.
8. Surface of sidewalks and curb ramps shall be firm, stable, and slip-resistant. This includes the surfaces of pullboxes, valve covers, manhole covers, etc.
9. Bed course material is required for curb ramps, sidewalks, and gutters.
10. All sidewalks shall provide a minimum clear width of 3'-0" (excluding curb) for pedestrian circulation. If this cannot be met, a minimum 32-inch clear width is allowed for a distance of 24-inches.
11. Passing spaces along new sidewalks with 5' clear width or less shall be provided at maximum 200' intervals as required by ADA guidelines. The passing area shall be a minimum 5' wide by 5' long as feasible.
12. Objects protruding from utility poles and walls adjacent to the sidewalks (i.e. wall mounted fire hydrants, telephones, meters on poles, etc.) shall be mounted to meet the current American with Disabilities Act Accessibility Guidelines (ADAAG) and will be subject to Engineer's approval.
13. If a curb ramp is not constructed according to the plans, the Contractor shall reconstruct the curb ramp at no cost to the State. Construction tolerance for Portland Cement Concrete shall be based on .inch per 10 ft. ($\pm 0.2\%$). Remedial measures will not be accepted.



ENLARGEMENT

DETECTABLE WARNING DETAIL

Not to Scale

NOTES:

1. Detectable warnings shall be 24 inches in the direction of travel and extend the full width of the curb ramp or flush surface (does not include flares).
2. Truncated domes shall have a diameter of 0.9 to 1.4 inch at the bottom, a diameter of 50%-65% of the base diameter at the top, a height of 0.2 inch and a center-to-center spacing of 1.6 to 2.4 inches measured along one side of a square arrangement.
3. Domes shall be aligned on a square grid in the predominant direction of travel to permit wheels to roll between the domes.
4. There shall be a minimum of 70 percent contrast in light reflectance between the detectable warning and an adjoining surface, or the detectable warning shall be "safety yellow".
5. The material used to provide visual contrast shall be an integral part of the detectable warning surface.
6. The detectable warning shall be located so that the edge nearest the curb line or other potential hazard is 6 to 8 inches from the curb line.



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