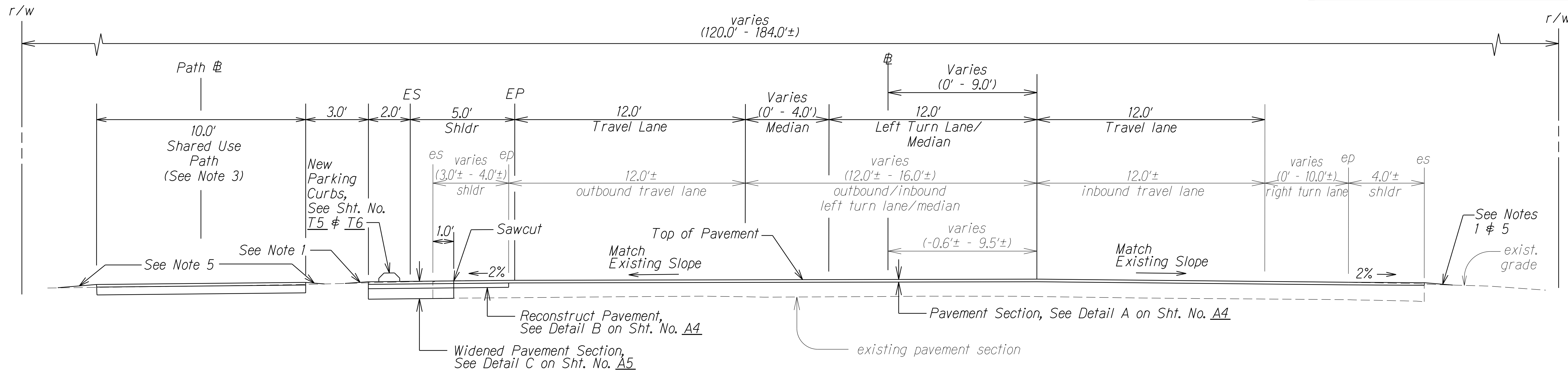
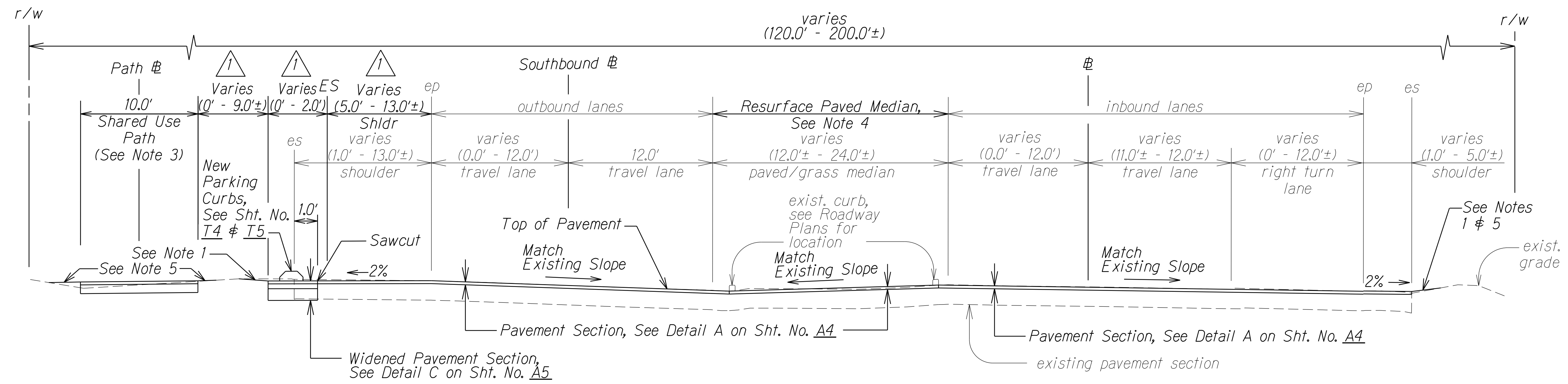


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	901A-01-19	2020	ADD.12	167



TYPICAL SECTION ON TANGENT  
STA. 8+00.0± TO STA. 20+56± (KAPOLEI PARKWAY)  
Scale: N.T.S.



TYPICAL SECTION  
ENTERPRISE STREET STA. 1+22.31± TO STA. 8+00.0±  
Scale: N.T.S.

Notes:

1. Safety Edge/Shoulder Dressing. See Typical Pavement Edge Detail on Sht. No. A5.
2. For limits of reconstruction, see Roadway Plans.
3. See Shared Use Path Typical Sections on Sht. No. A5.
4. Resurface paved median where there is no existing curb.
5. Hydro-mulch Seed newly graded areas with Bermuda Seeding.
6. See Partial Typical Section on Sht. No. A4 for STA. 2+00± to 5+75±.

2/10/20	Revised text. Added Note 6.
DATE	REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

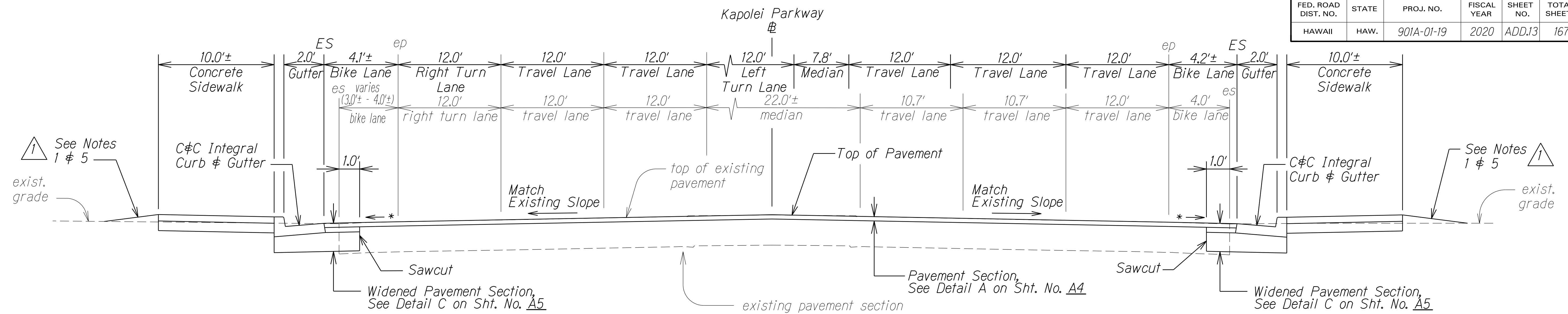
TYPICAL SECTIONS

FORT BARRETTE ROAD OPERATIONAL IMPROVEMENTS  
Roosevelt Avenue to Farrington Highway  
Project No. 901A-01-19

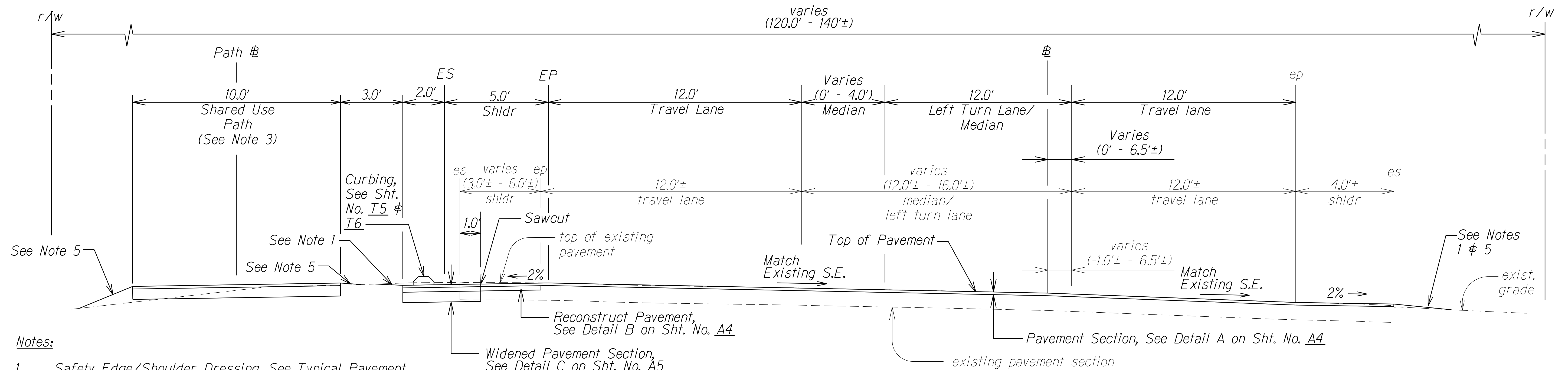
Scale: Not to Scale      Date: February, 2020

SHEET No. A1 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	901A-01-19	2020	ADD.13	167



**TYPICAL SECTION**  
**KAPOLEI PARKWAY ± STA. 0+29.0± TO KAPOLEI PARKWAY ± STA. 0+84.0±**  
Scale: N.T.S.



**Notes:**

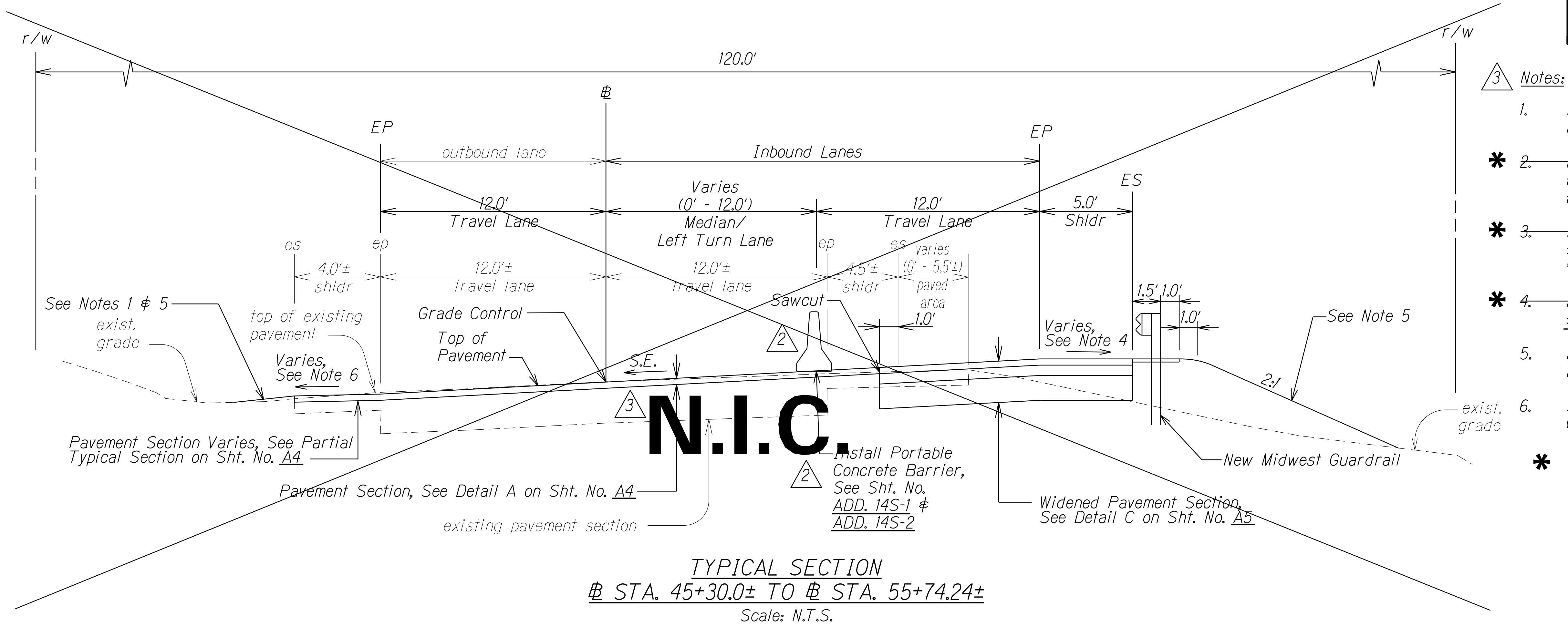
1. Safety Edge/Shoulder Dressing. See Typical Pavement Edge Detail on Sht. No. A5.
2. For limits of reconstruction, see Roadway Plans.
3. See Shared Use Path Typical Sections on Sht. No. A5.
4. See Roadway Cross Sections and Pavement Grade Plan for New Right Turn Lane.
5. Hydro-mulch Seed newly graded areas with Bermuda Seeding.
6. For New Concrete Sidewalk typical details, see Standard Plan D-15. For New C&C Integral Curb & Gutter typical details, see C&C Std. Detail R-4A Rev.
- \* 7. For cross slope and new grades at New Edge of Shoulder, see Sht. No. C8 & C9.

**TYPICAL SECTION ON CURVE**  
**± STA. 8+00.0± TO ± STA. 20+56± (KAPOLEI PARKWAY)**  
Scale: N.T.S.

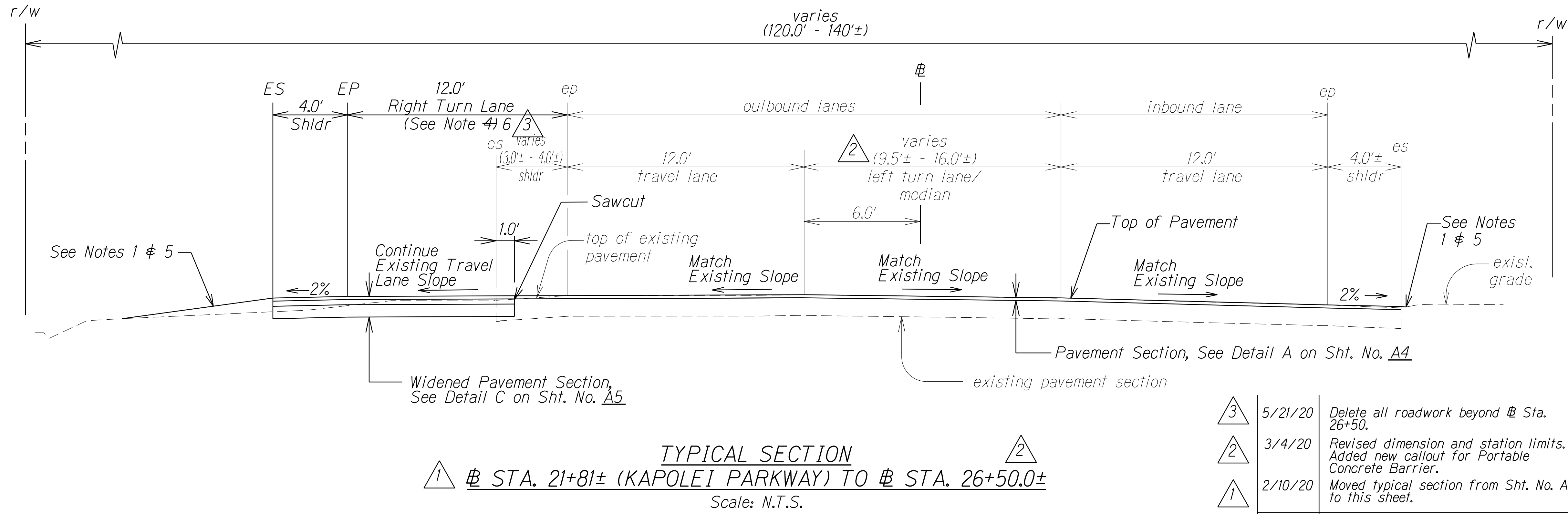
2/10/20	Moved typical section and notes from Sht. No. A4 to this sheet. Revised note number callout. Revised station limits on typical section title.
DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
<b>TYPICAL SECTIONS</b>
FORT BARRETTE ROAD OPERATIONAL IMPROVEMENTS Roosevelt Avenue to Farrington Highway Project No. 901A-01-19
Scale: Not to Scale Date: February, 2020
SHEET No. A2 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	901A-01-19	2020	C.O.ADD.14	167



- Notes:**
1. Safety Edge/Shoulder Dressing. See Typical Pavement Edge Detail on Sht. No. A5.
  - \* 2. ~~For limits of Midwest Guardrail, see Roadway Plans. For details, see Guardrail Details sheets.~~
  - \* 3. ~~See Superelevation Plans and Roadway Cross Sections for new pavement grades at widened roadway.~~
  - \* 4. ~~For New Shoulder Cross Slopes, see Sht. No. SE3 & SE4.~~
  5. Hydro-mulch Seed newly graded areas with Bermuda Seeding.
  6. See Roadway Cross Sections and Pavement Grade Plan for New Right Turn Lane.
- \* N.I.C**



3	5/21/20	Delete all roadwork beyond # Sta. 26+50.
2	3/4/20	Revised dimension and station limits. Added new callout for Portable Concrete Barrier.
1	2/10/20	Moved typical section from Sht. No. A3 to this sheet.
DATE	REVISION	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL SECTIONS**

FORT BARRETTE ROAD OPERATIONAL IMPROVEMENTS  
Roosevelt Avenue to Farrington Highway  
Project No. 901A-01-19

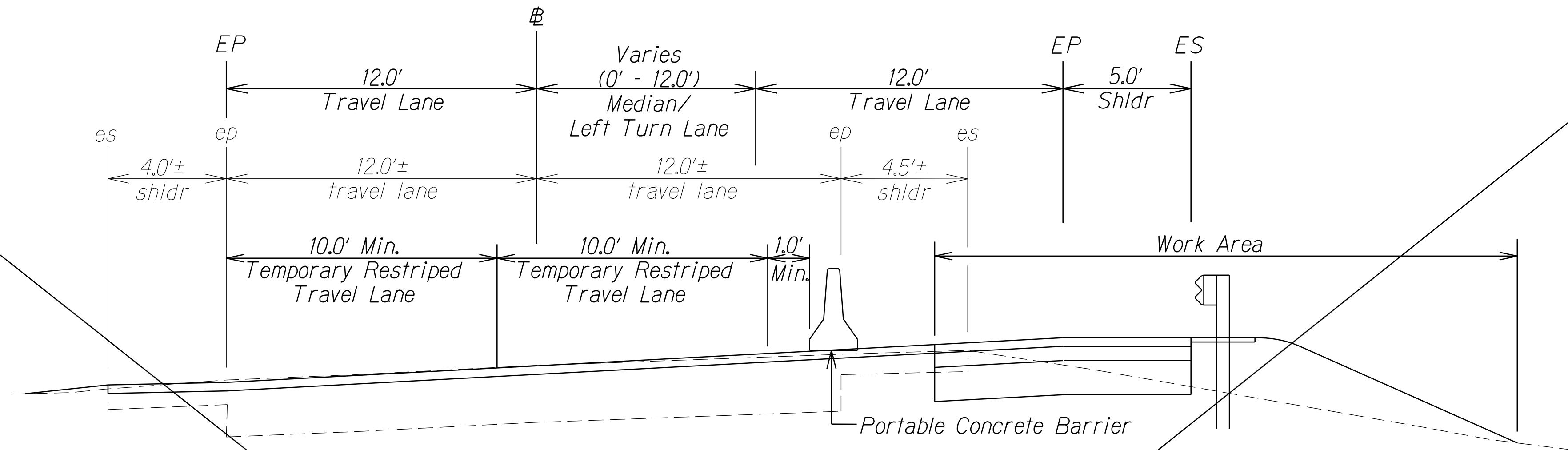
Scale: Not to Scale Date: February, 2020

SHEET No. A3 OF 7 SHEETS





FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	901A-01-19	2020	C.O.ADD14S-2	167

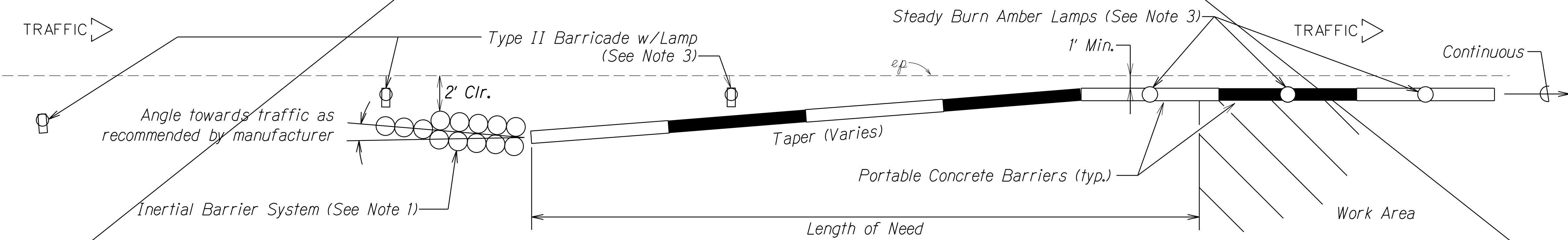


PORTABLE CONCRETE BARRIER POSITION DETAIL FOR WIDENING WORK  
# STA. 43+47± TO # STA. 56+03±  
Scale: Not to Scale

Notes:

1. Inertial Barrier System shall comply with the manufacturer's recommendations/requirements and shall be paid under Contract Item No. 695.2000 - Inertial Barrier System.
2. Place Type II Barricade w/Lamp at spacings and positions that comply with part 6 of the MUTCD, Typical Application 5, and install steady burn amber lamps on Portable Concrete Barriers @ 20.0' o.c. Installing, maintaining and removing each steady burn amber lamp including changing of batteries and bulbs shall be considered incidental to Contract Item No. 695.1000 - State-Furnished Portable Concrete Barrier.
3. Travel Lanes shall be temporarily restriped and adjusted to a minimum of 10 feet to accommodate Portable Concrete Barrier Installation and use. Following the completion of road widening work, Travel Lanes shall be striped according to the traffic plans. This work shall be considered incidental to Contract Item No. 695.1000 - State-Furnished Portable Concrete Barrier and shall not be paid for separately.
4. The Contractor shall develop a Traffic Control Plan to include all necessary Traffic Control Devices. This work shall be considered incidental to Contract Item No. 645.0100 - Traffic Control and shall not be paid for separately.

2  
**N.I.C.**

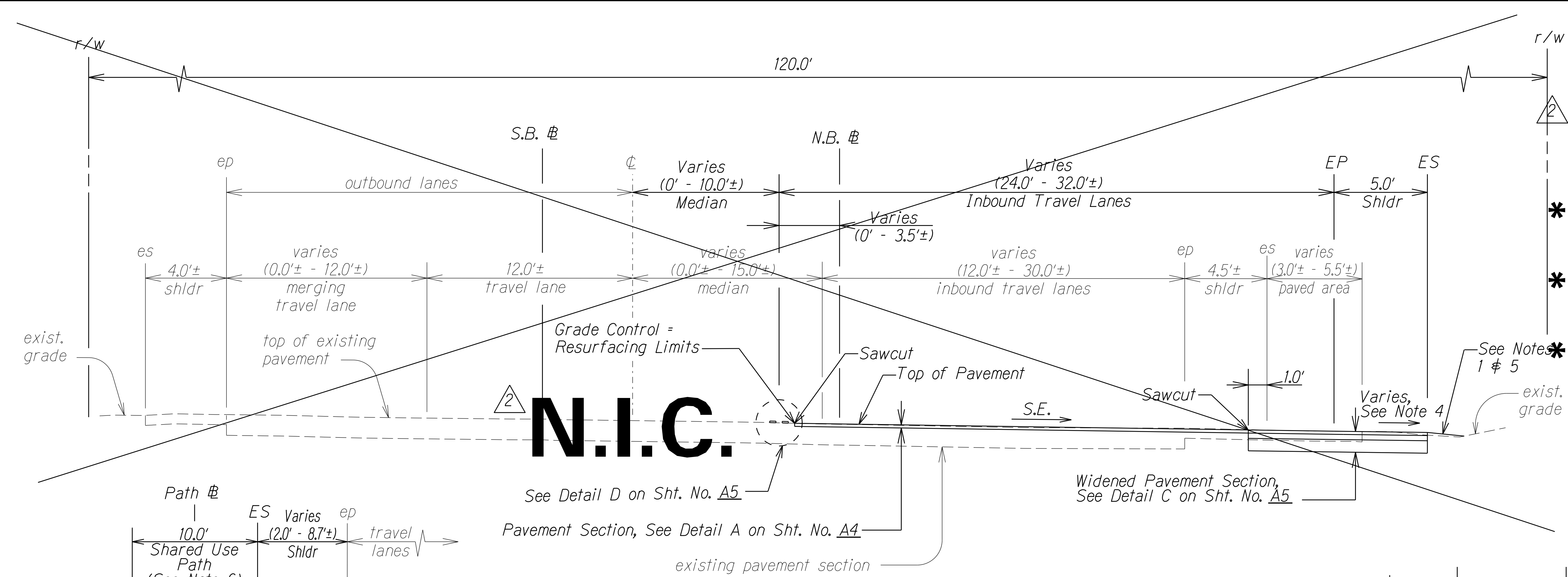


TYPICAL DETAIL - PORTABLE CONCRETE BARRIER INSTALLATION  
Scale: N.T.S.

5/21/20	Delete all roadwork beyond # Sta. 26+50.
3/4/2020	Added new sheet.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<b>TEMPORARY PORTABLE CONCRETE BARRIER PLAN</b>	
FORT BARRETTE ROAD OPERATIONAL IMPROVEMENTS Roosevelt Avenue to Farrington Highway Project No. 901A-01-19	
Scale: Not to Scale Date: February, 2020	
SHEET No. A3 OF 7 SHEETS	

C.O. ADD. 14S-2

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	901A-01-19	2020	C.O.ADD.15	167

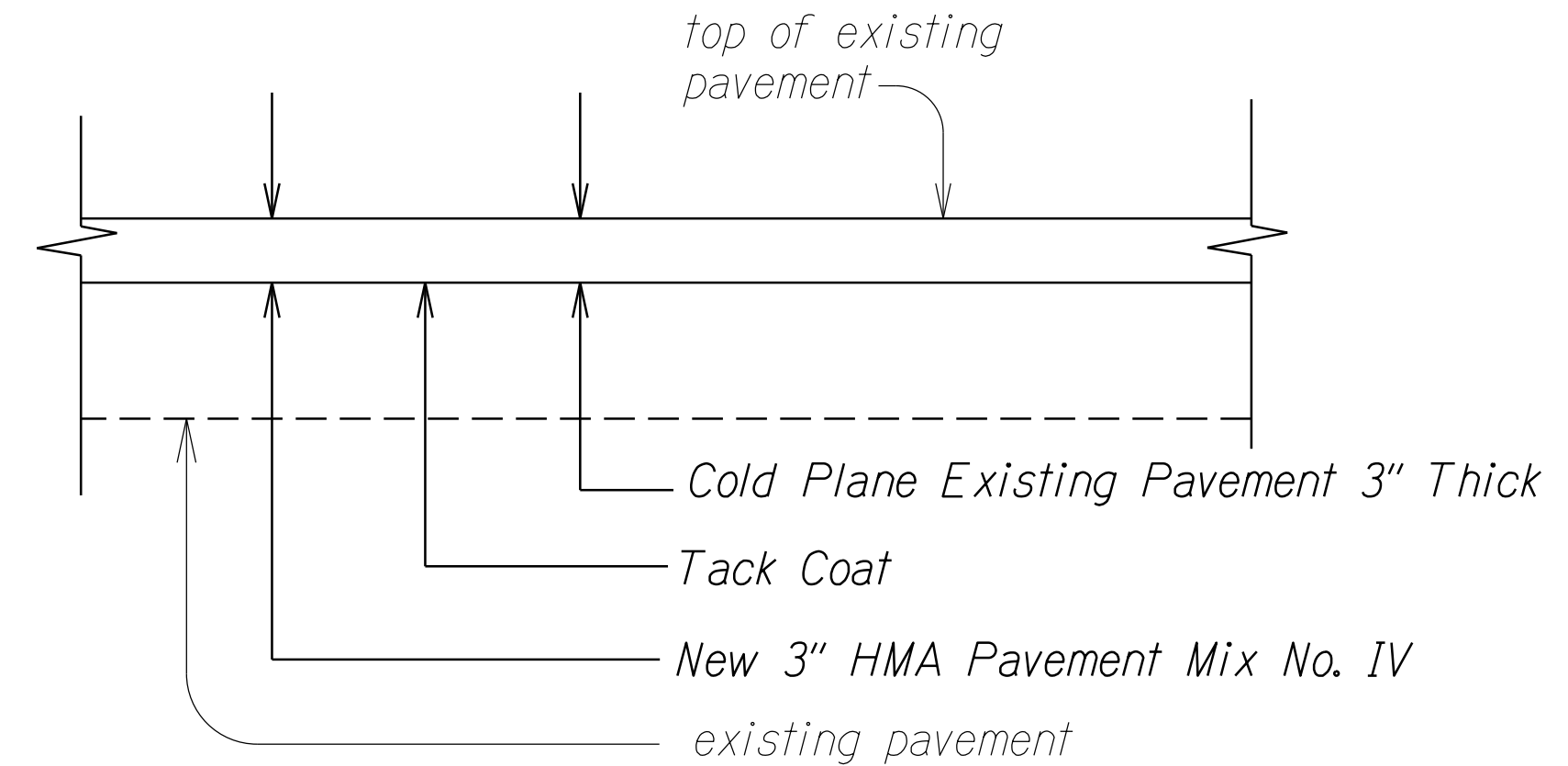


- Notes:
1. Safety Edge/Shoulder Dressing. See Typical Pavement Edge Detail on Sht. No. A5.
  - \* 2. For limits of Midwest Guardrail, see Roadway Plans. For details, see Guardrail Details sheets.
  - \* 3. See ~~Superelevation Plans and Roadway Cross Sections~~ for new pavement grades at widened roadway.
  - \* 4. For New Shoulder Cross Slopes, see Sht. No. SE3 & SE4.
  5. Hydro-mulch Seed newly graded areas with Bermuda Seeding.
  6. See Shared Use Path Typical Sections on Sht. No. A5.

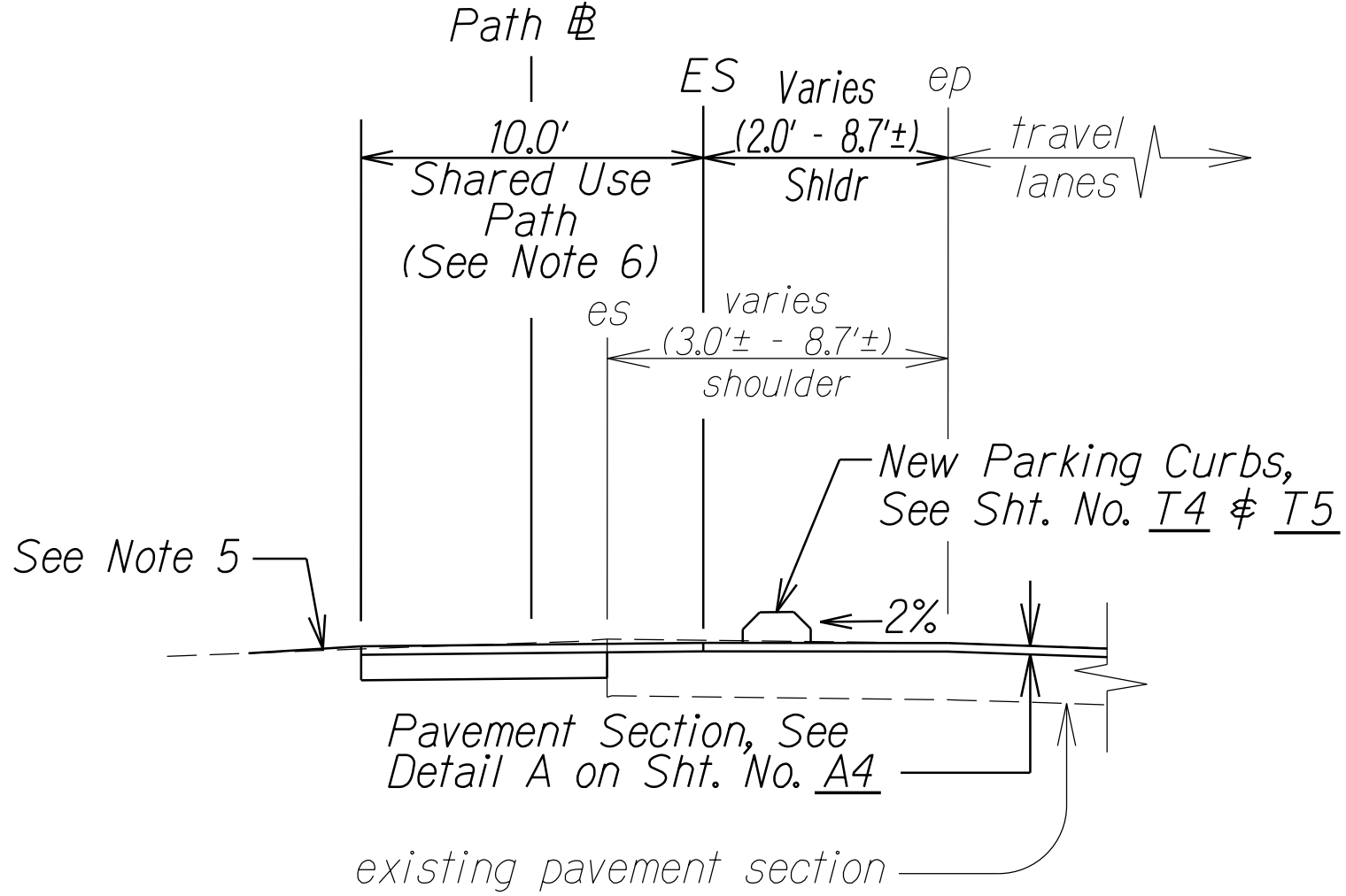
**N.I.C.**

See Detail D on Sht. No. A5  
Pavement Section, See Detail A on Sht. No. A4

TYPICAL SECTION  
N.B. # STA. 55+74.24± TO N.B. # STA. 61+17.0±  
Scale: N.T.S.



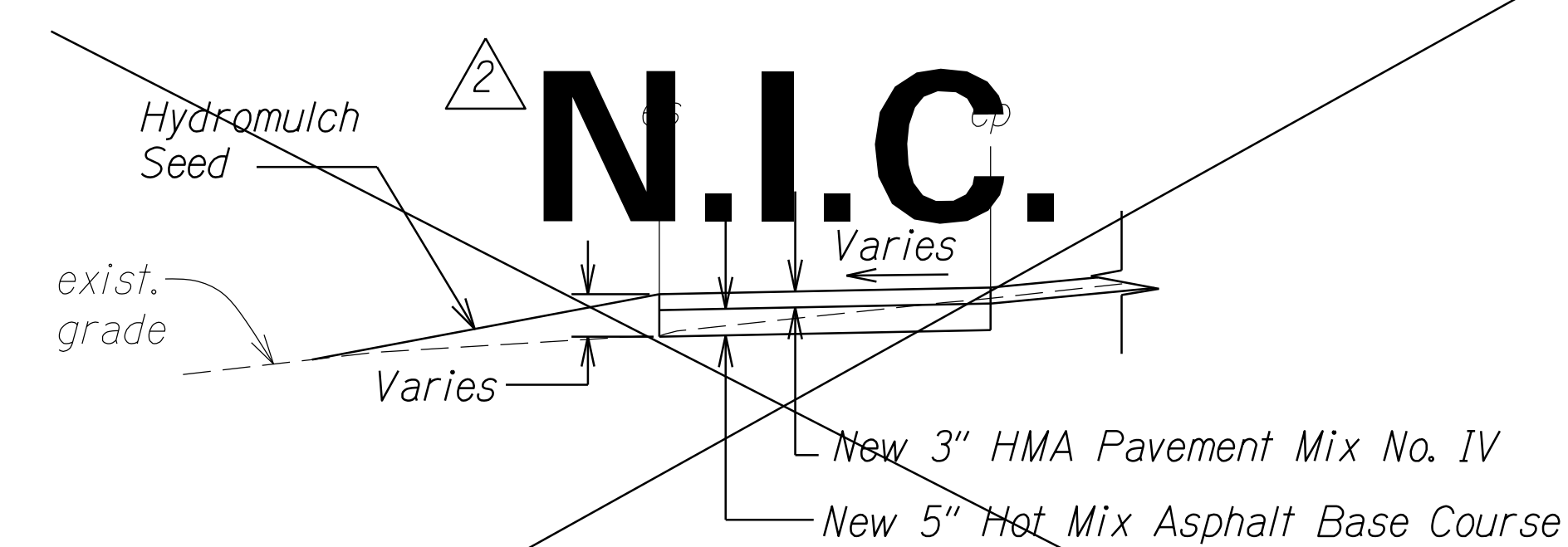
DETAIL A - AC PAVEMENT SECTION FOR RESURFACING  
Scale: N.T.S.



Note: See Typical Section on Sht. No. A1.

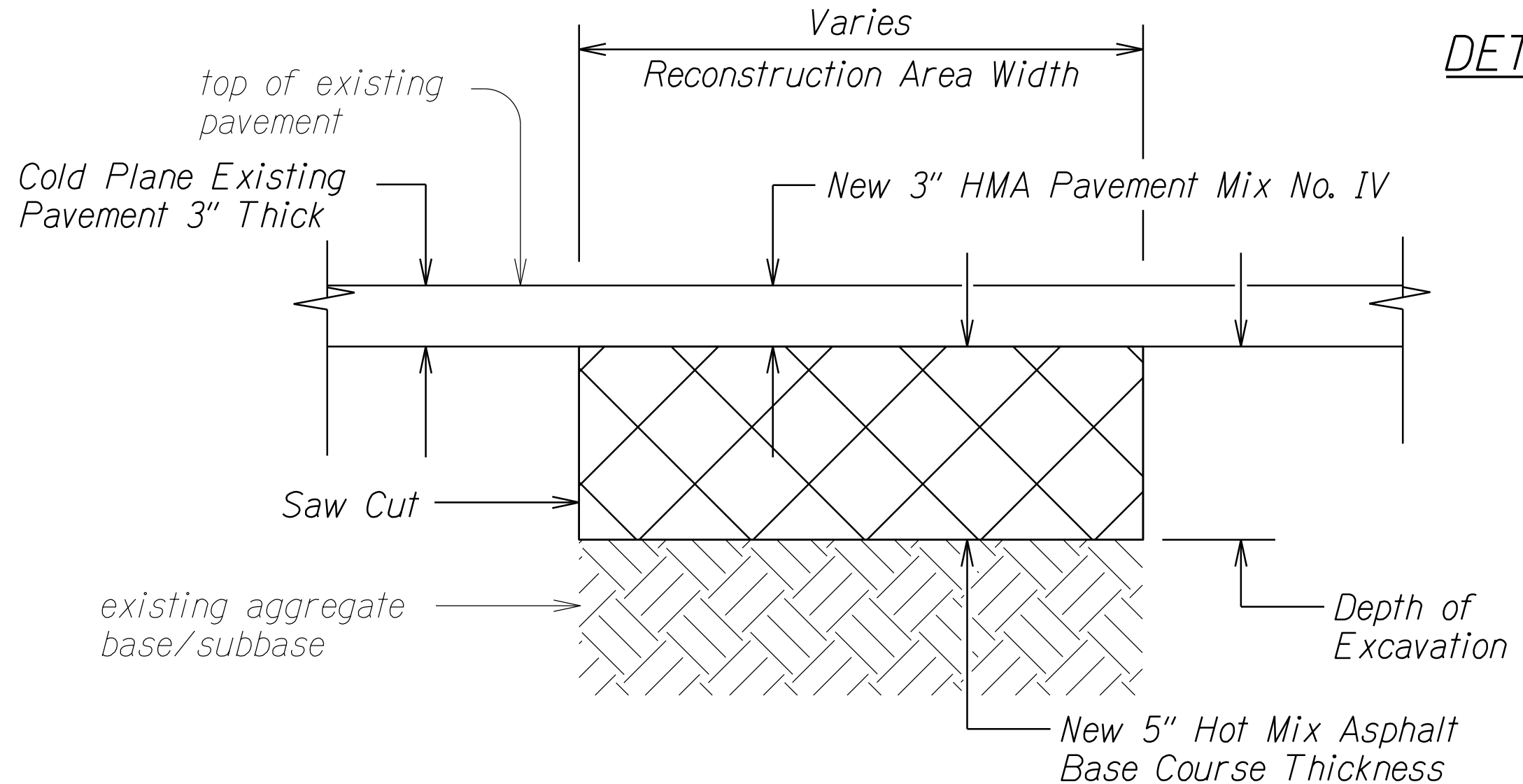
PARTIAL TYPICAL SECTION  
# STA. 2+00.0± TO # STA. 5+75.0±  
Scale: N.T.S.

**N.I.C.**



Note: See Typical Section on Sht. No. A3.

PARTIAL TYPICAL SECTION  
# STA. 45+50.0± TO # STA. 50+00.0±  
Scale: N.T.S.



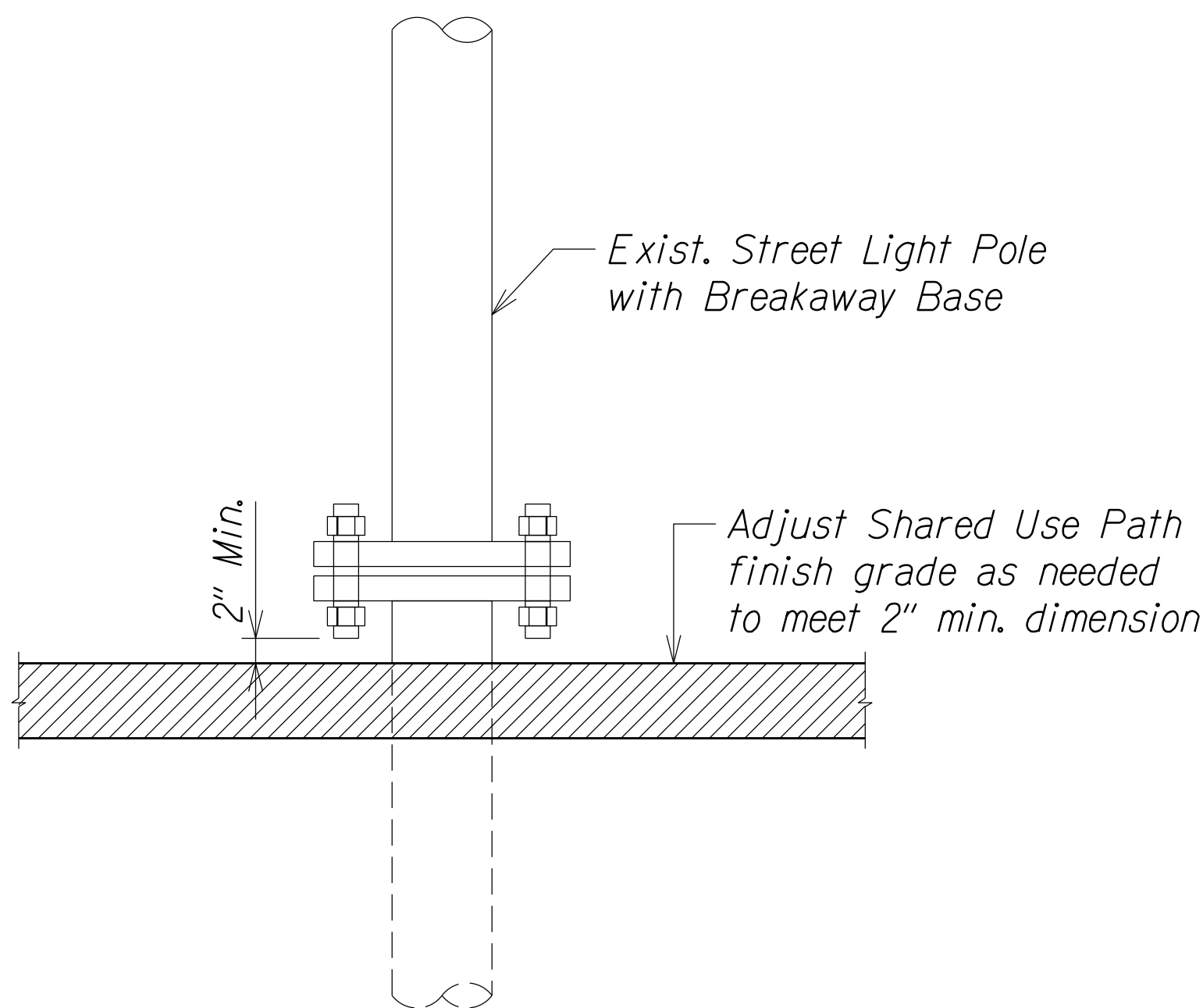
DETAIL B - AC PAVEMENT RECONSTRUCTION DETAIL  
Scale: N.T.S.

2	5/21/20	Delete all roadwork beyond # Sta. 26+50.
1	2/10/20	Added new partial typical section.

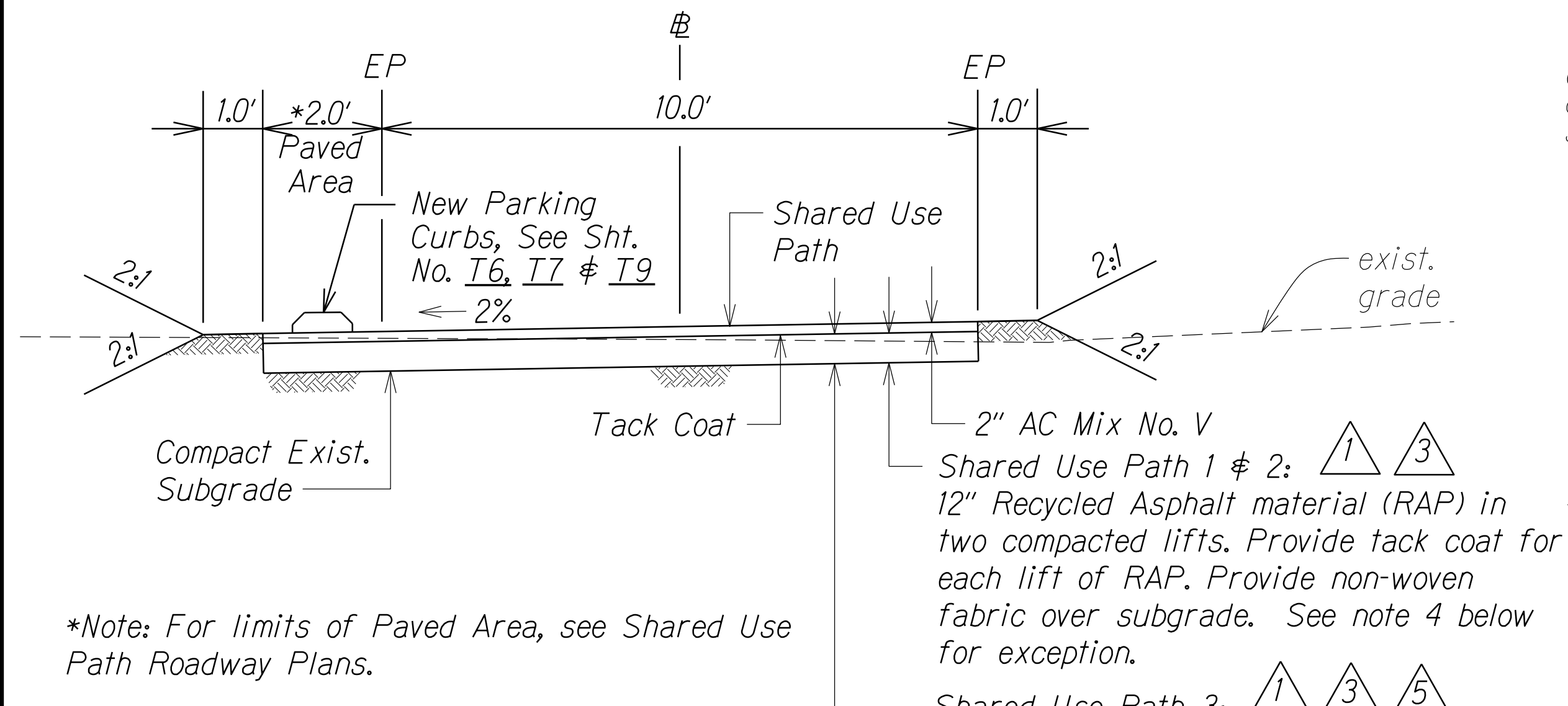
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<b><u>TYPICAL SECTIONS &amp; DETAILS</u></b>	
FORT BARRETTE ROAD OPERATIONAL IMPROVEMENTS Roosevelt Avenue to Farrington Highway Project No. 901A-01-19	
Scale: Not to Scale Date: February, 2020	
SHEET No. <b>A4</b> OF 7 SHEETS	

SURVEY PLOTTED BY	DATE
DRAWN BY	.....
DESIGNED BY	.....
CHECKED BY	.....
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	901A-01-19	2020	C.O.ADD.16	167



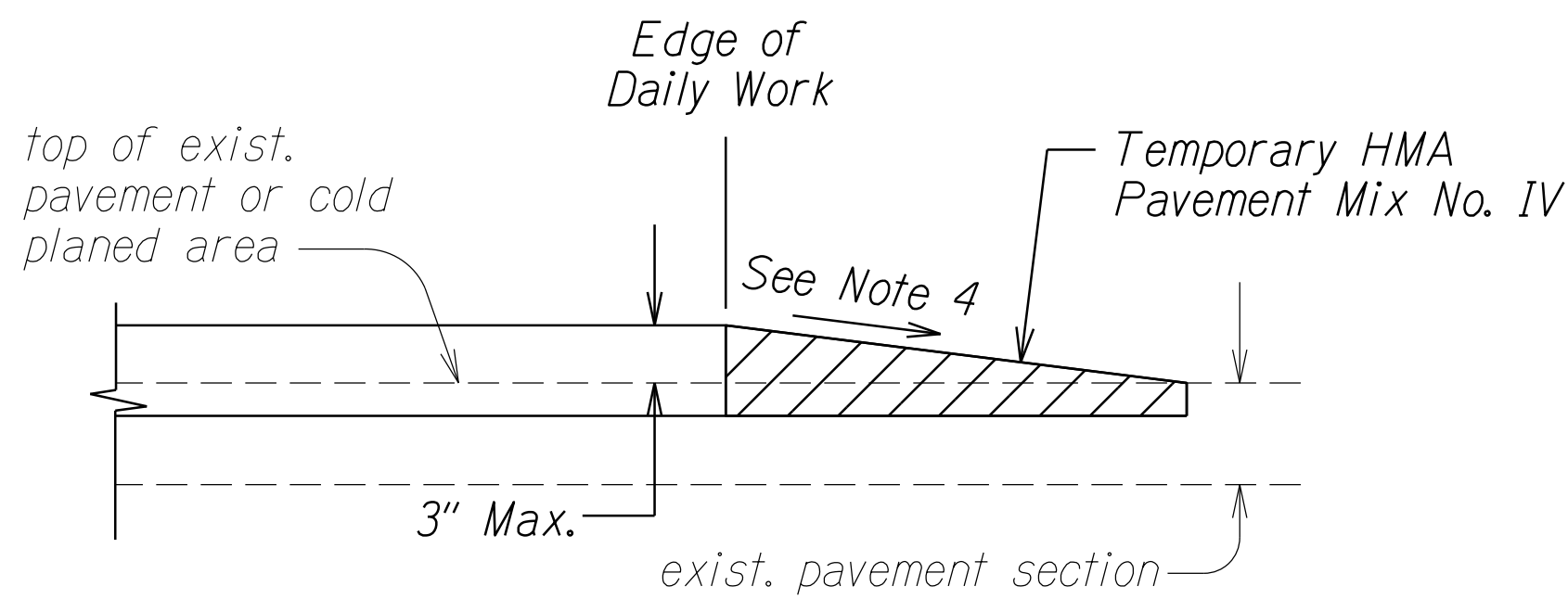
SHARED USE PATH  
EXISTING STREET LIGHT  
POLE BREAKAWAY BASE DETAIL  
Scale: N.T.S.



SHARED USE PATH 1, 2, & 3  
TYPICAL SECTION  
Scale: N.T.S.

Shared Use Path Typical Section Notes:

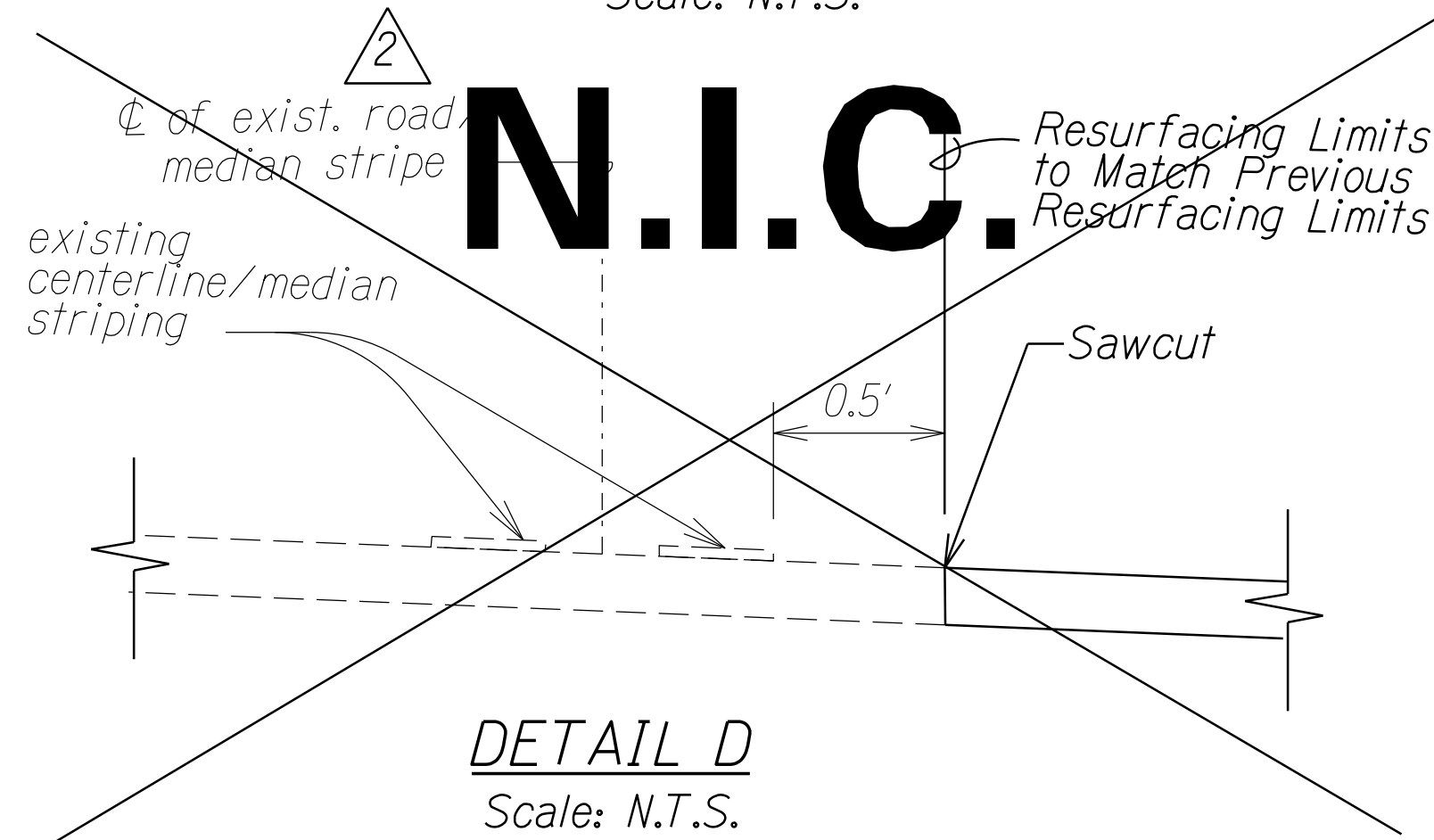
- For edge of pavement elevations, see Shared Use Path Plan & Profile and Shared Use Path Cross Sections.
- Provide tack coat at connection between New A.C. Shared Use Path and existing concrete sidewalk, New Concrete Sidewalk, or New Concrete Ramp.
- Hydro-mulch Seed newly graded areas with Bermuda Seeding.
- For Shared Use Path 1 Sta. 0+94.88 to Sta. 9+00± and Shared Use Path 2 Sta. 0+00 to 5+00±, place 12 inch Aggregate Subbase in three compacted lifts. Provide non-woven fabric over subgrade and between each lift. Use only static compaction of 15 passes with a 10-ton roller.



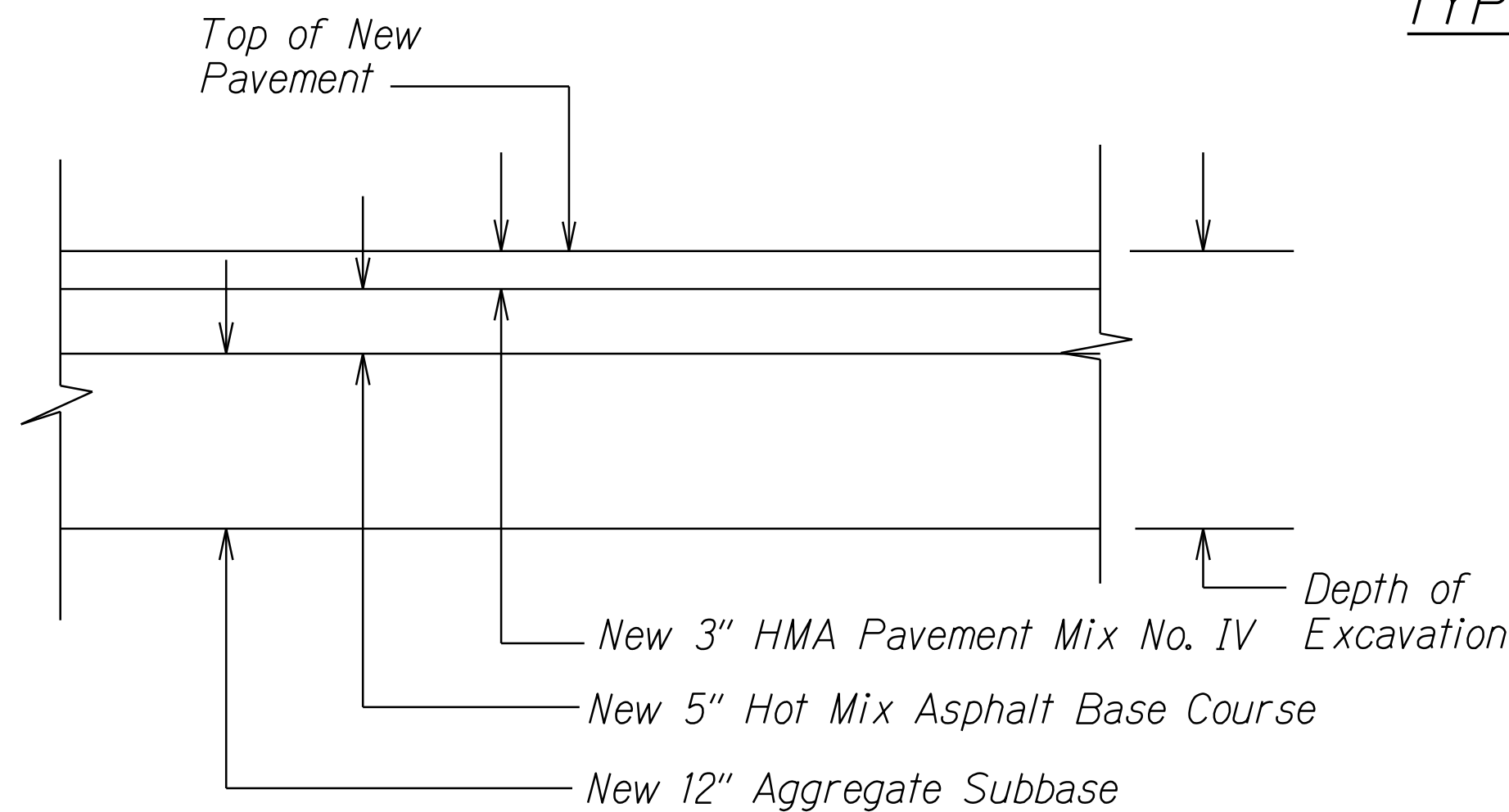
Notes:

- Temporary HMA Pavement shall be removed prior to placement of new pavement.
- Placement of Temporary HMA Pavement shall be incidental to HMA Pavement, Mix No. IV.
- Removal of Temporary HMA Pavement shall be incidental to Cold Planing.
- Slope of temporary HMA Pavement shall be 48:1 or flatter for longitudinal transitions and 6:1 or flatter for transverse transitions.

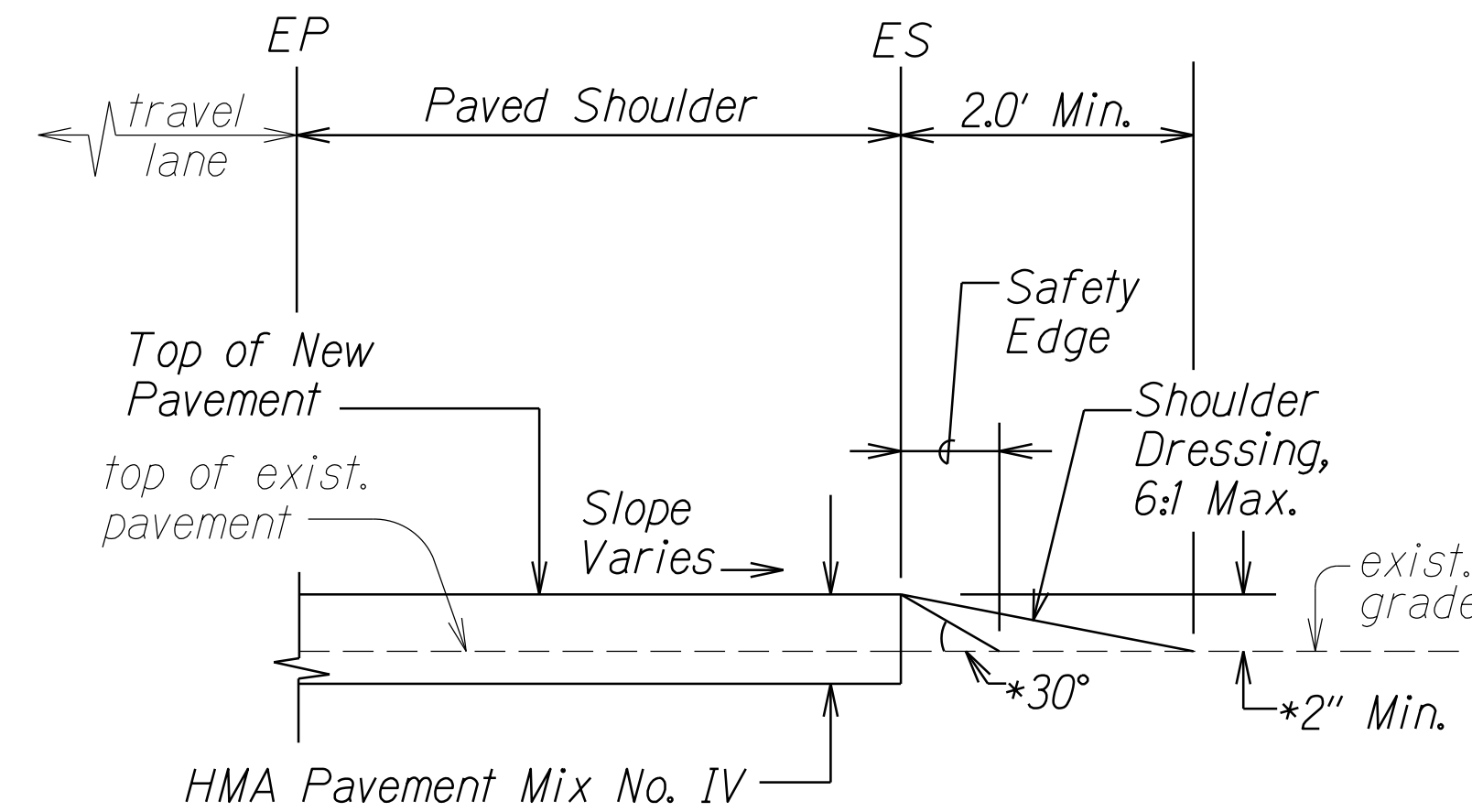
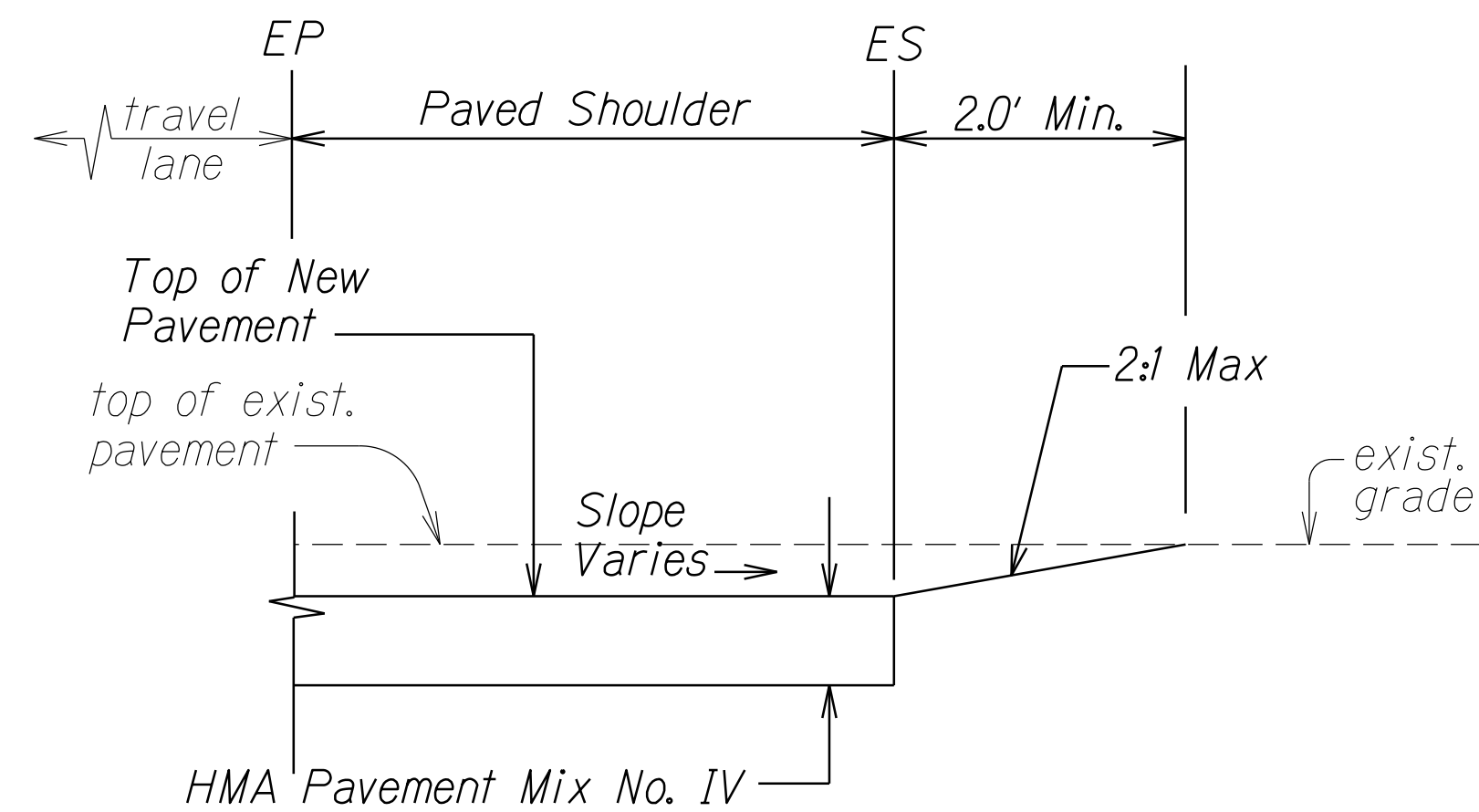
TEMPORARY TREATMENT OF GRADE  
DIFFERENCES DURING NON WORK HOURS  
Scale: N.T.S.



DETAIL D  
Scale: N.T.S.



DETAIL C - AC PAVEMENT SECTION FOR WIDENING  
Scale: N.T.S.



\*Notes:

- Contractor shall mount a device directly on the paver screed extension to provide a 30° beveled shoulder "safety edge."
- For shoulder edge grade differences of less than 2", Safety Edge is not required, but shoulder shall be dressed according to detail.

TYPICAL PAVEMENT EDGE DETAIL  
Scale: N.T.S.

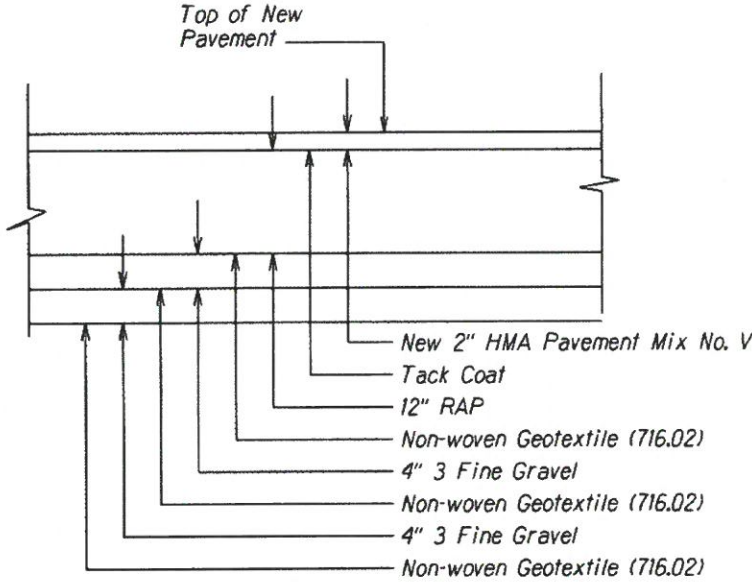
5	2/18/21	Added note.
4	2/1/21	Added text referencing new sheet.
3	12/16/20	Revised Shared Use Path Typical Section and added note.
2	5/21/20	Delete all roadwork beyond Sta. 26+50.
1	2/10/20	Revised text.

DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL DETAILS	
FORT BARRETTE ROAD OPERATIONAL IMPROVEMENTS Roosevelt Avenue to Farrington Highway Project No. 901A-01-19	
Scale: Not to Scale Date: February, 2020	
SHEET No. A5 OF 7 SHEETS	




ASBUILT DRAWINGS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	901A-01-19	2020	166	167



SHARED USE PATH 3  
PAVEMENT SECTION AT SINKHOLES  
# STA. 18+60± TO # STA. 21+29±  
Scale: N.T.S.

**AS-BUILT**  
PAUL'S ELECTRICAL CONTRACTING, LLC  
  
SIGNATURE  
10/3/22  
DATE

ORIGINAL PLAN	SURVEY PLATTED BY	DATE
NOTED	DESIGNED BY	
	CHECKED BY	

4	2/1/21	Added new sheet.
DATE		REVISION

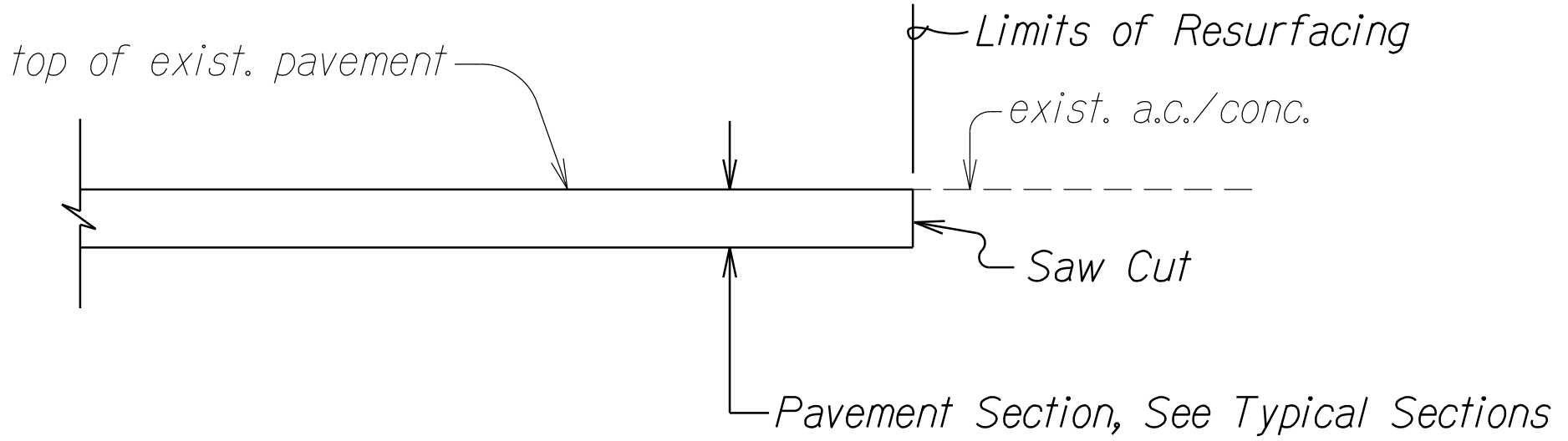
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>TYPICAL DETAILS</b> FORT BARRETTE ROAD OPERATIONAL IMPROVEMENTS Roosevelt Avenue to Farrington Highway Project No. 901A-01-19 Scale: Not to Scale Date: February, 2021 SHEET No. A5 OF 7 SHEETS
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"AS-BUILT"

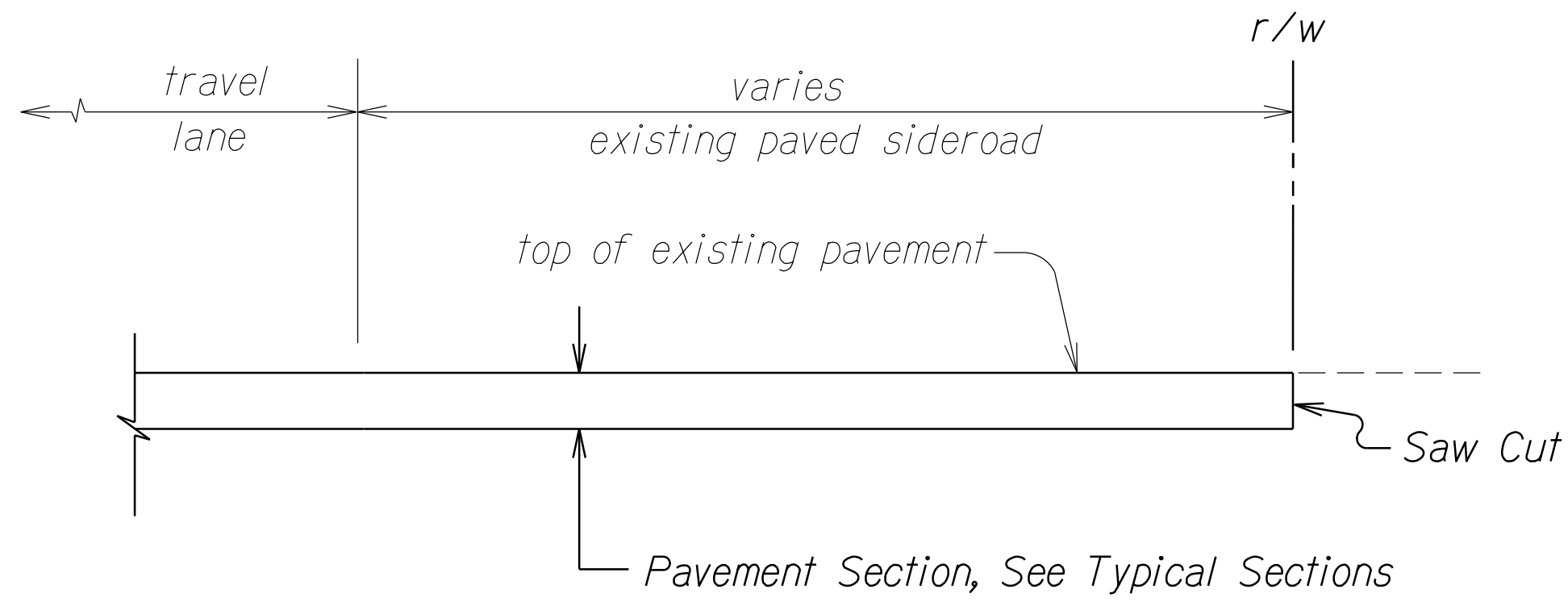
C.O. ADD. 16S-1



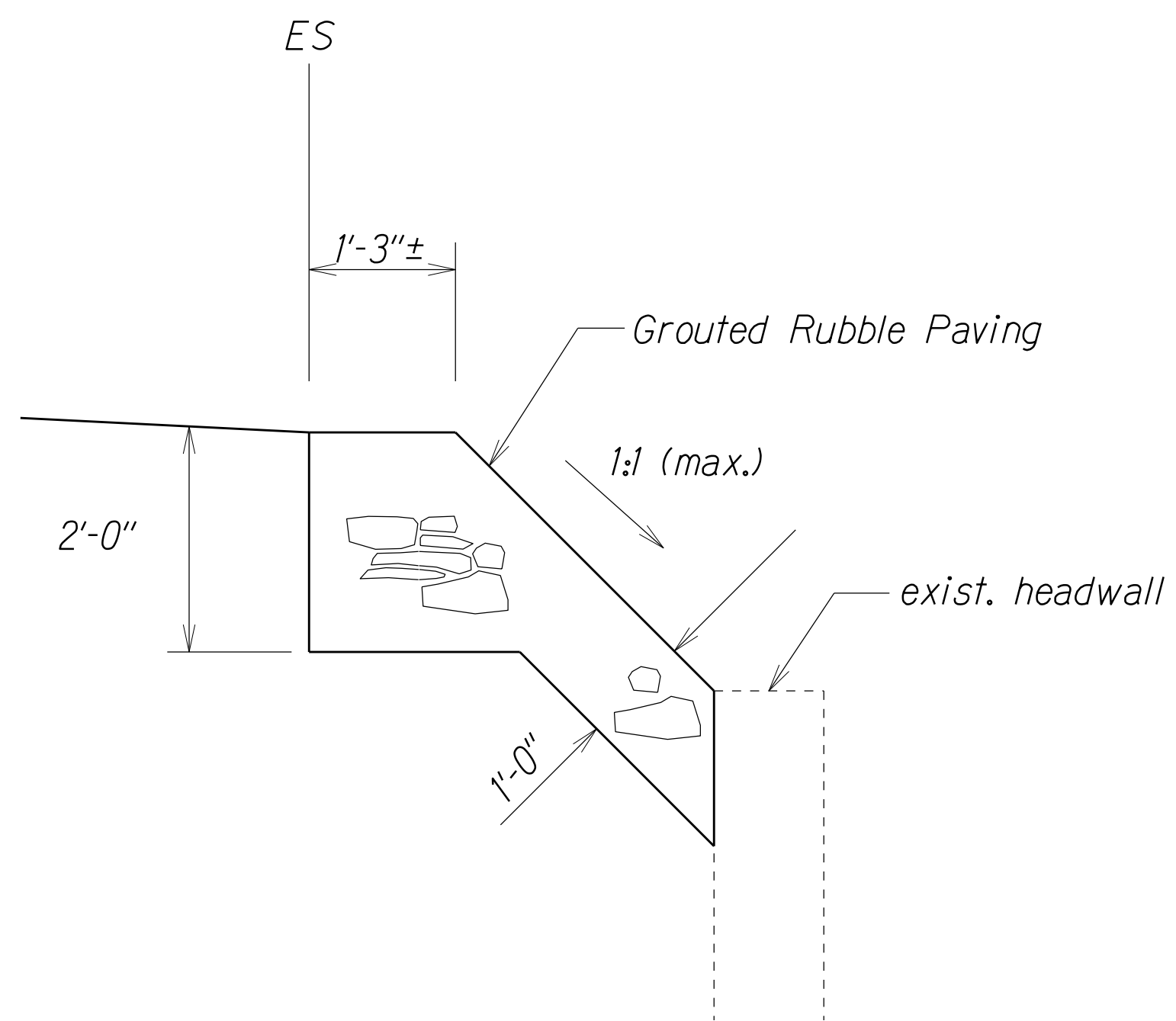
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	901A-01-19	2020	17	167



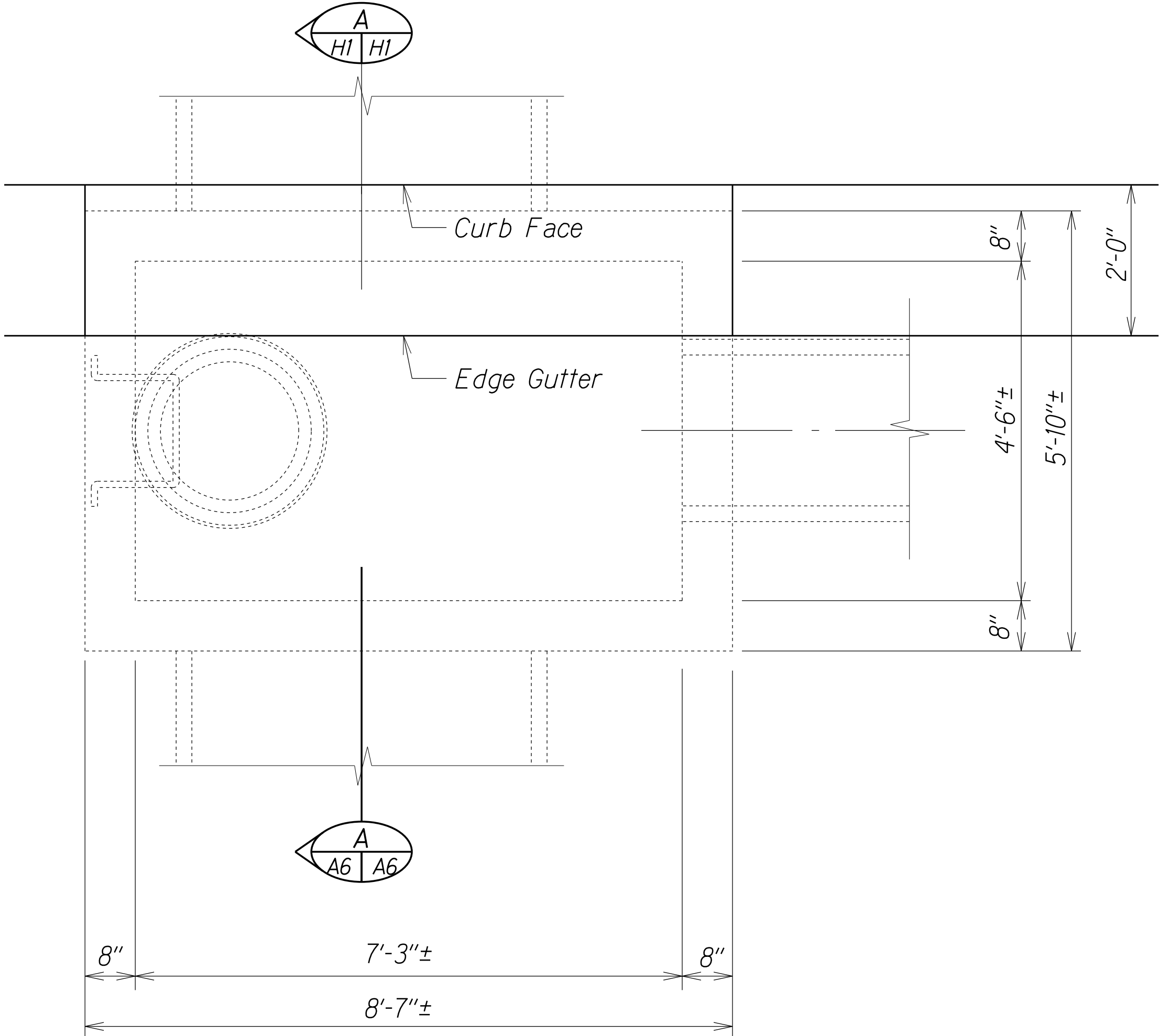
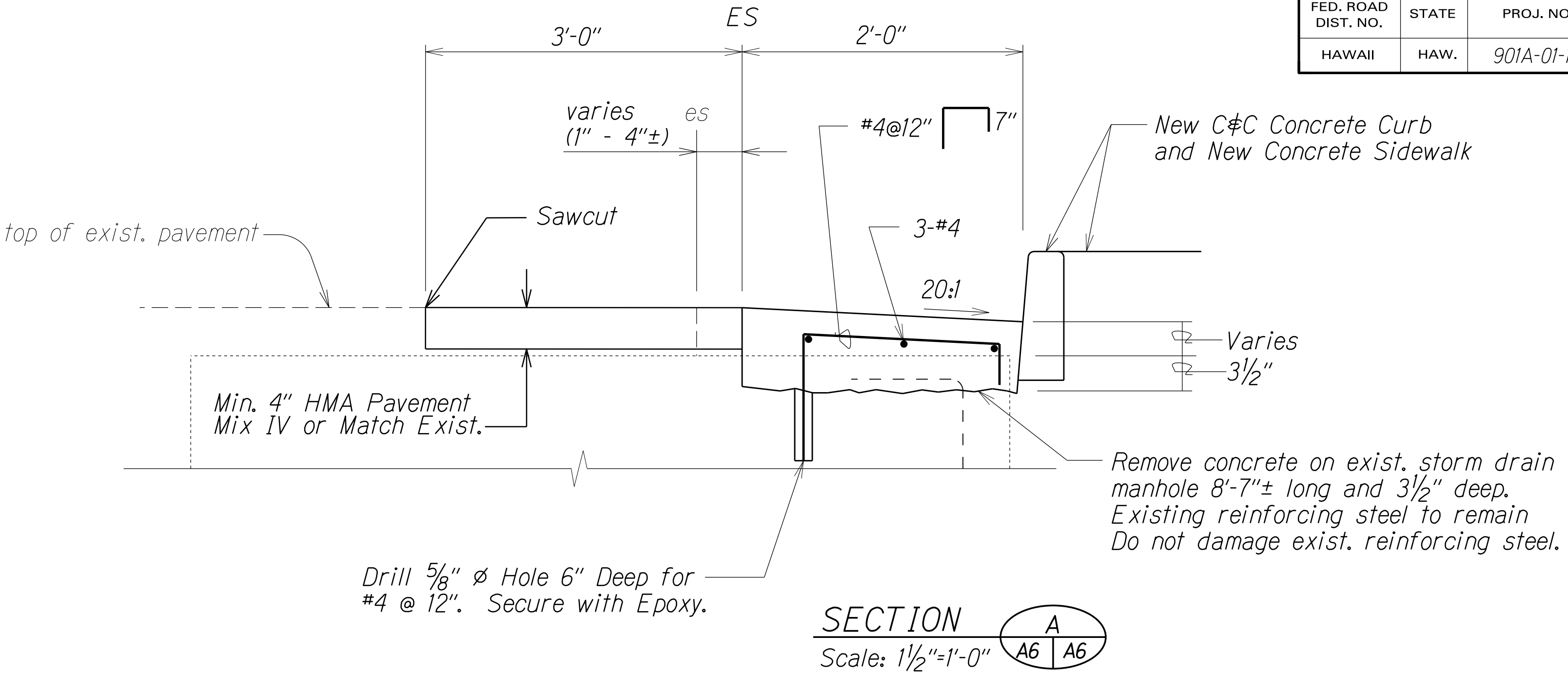
TYPICAL A.C. RESURFACING AT BEGIN/END PROJECT & CONCRETE SLAB DETAIL  
Scale: N.T.S.



TYPICAL A.C. RESURFACING AT PAVED SIDEROAD DETAIL  
Scale: N.T.S.



GROUTED RUBBLE PAVING DETAIL  
& STA. 59+03± TO 59+24± RT.  
Scale: 3/4" = 1'-0"



PLAN  
Scale: 3/4"=1'-0"  
GUTTER DETAIL AT C&C STORM DRAIN MANHOLE

Note:  
1) Dimensions are approximate.  
Contractor shall verify dimensions.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

TYPICAL DETAILS

FORT BARRETTE ROAD OPERATIONAL IMPROVEMENTS  
Roosevelt Avenue to Farrington Highway  
Project No. 901A-01-19

Scale: As Shown      Date: January, 2020

SHEET No. A6 OF 7 SHEETS

