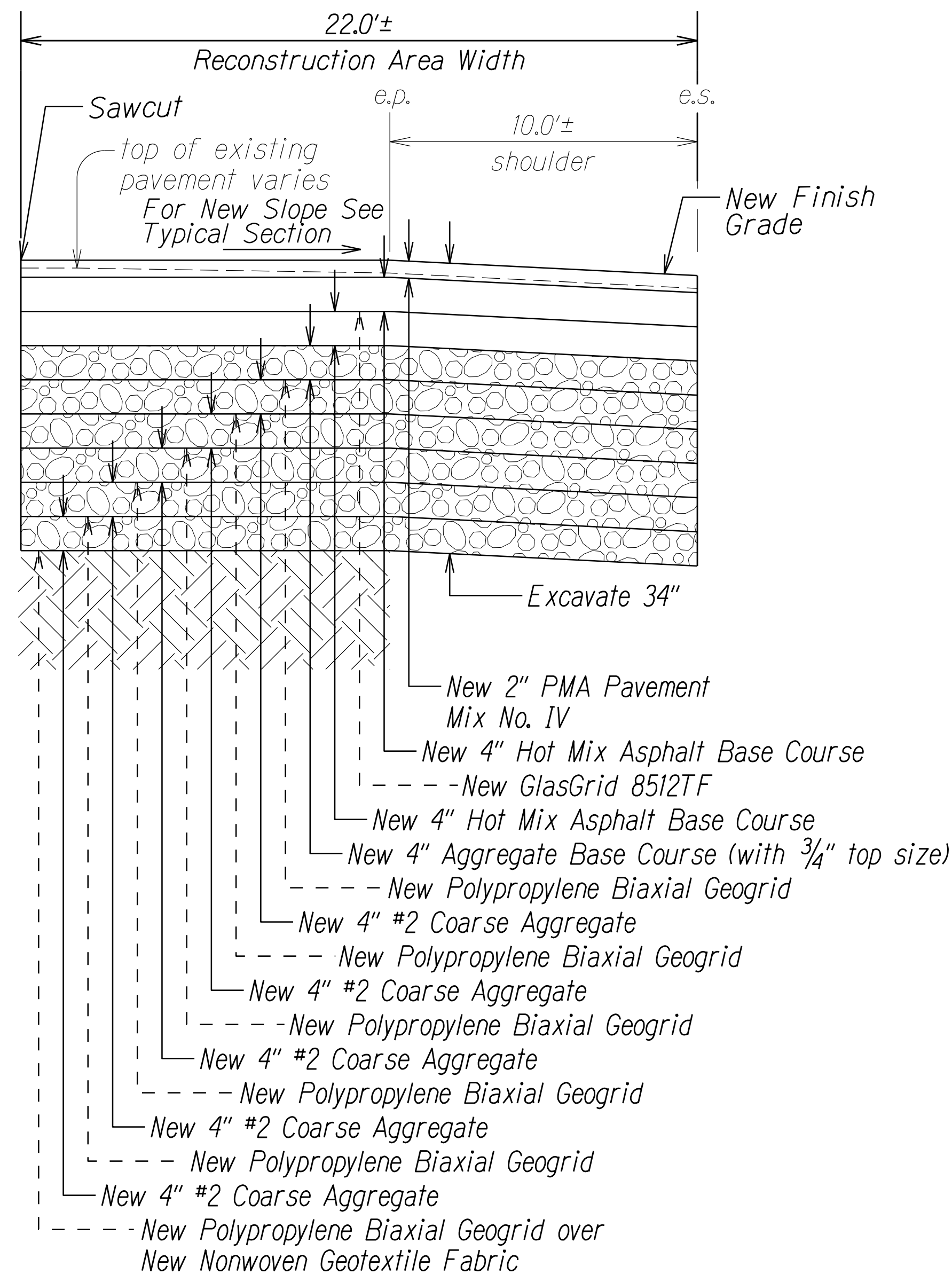
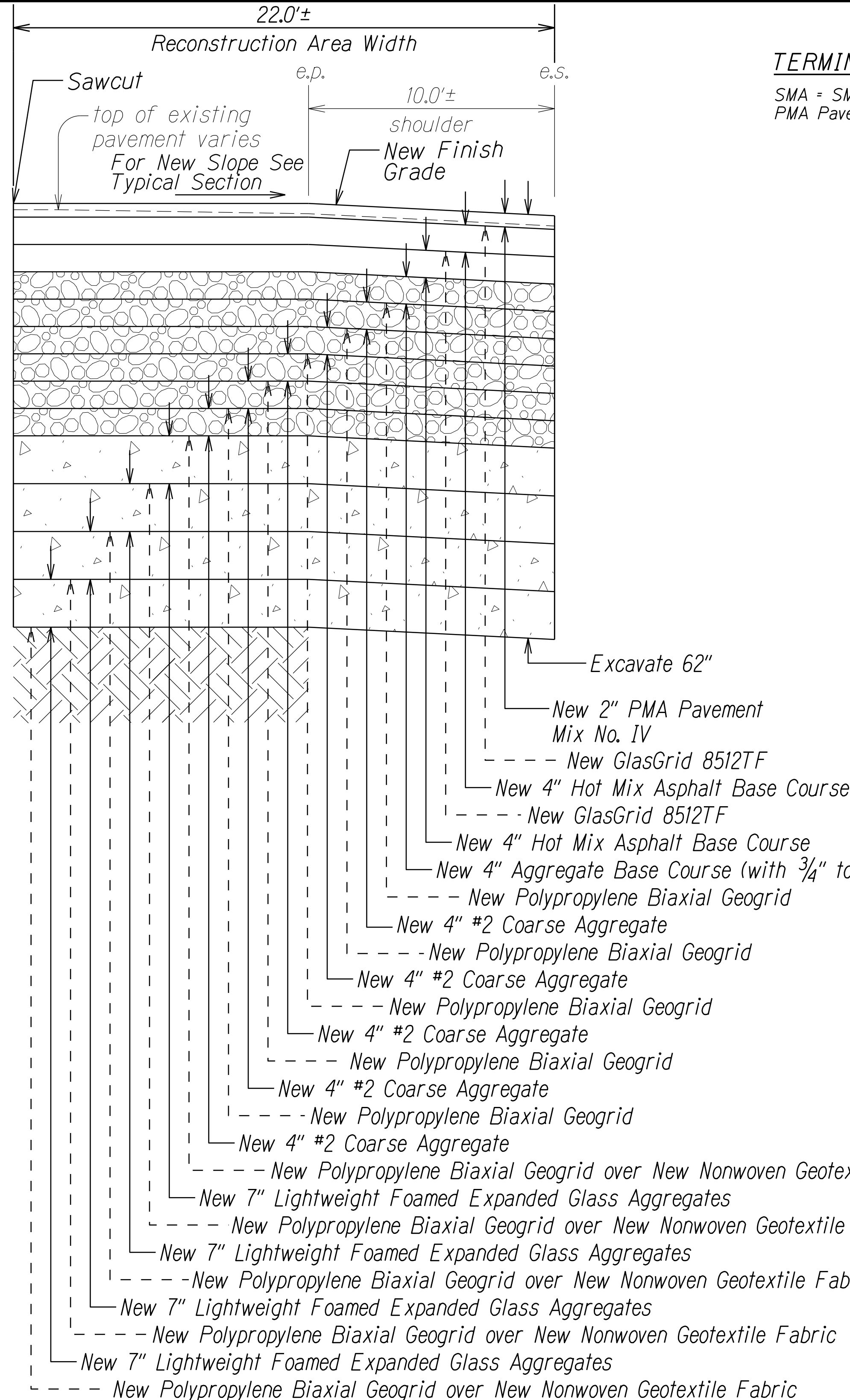


**RECONSTRUCTION AT SETTLED AREA <sup>A</sup>**  
Scale: N.T.S.



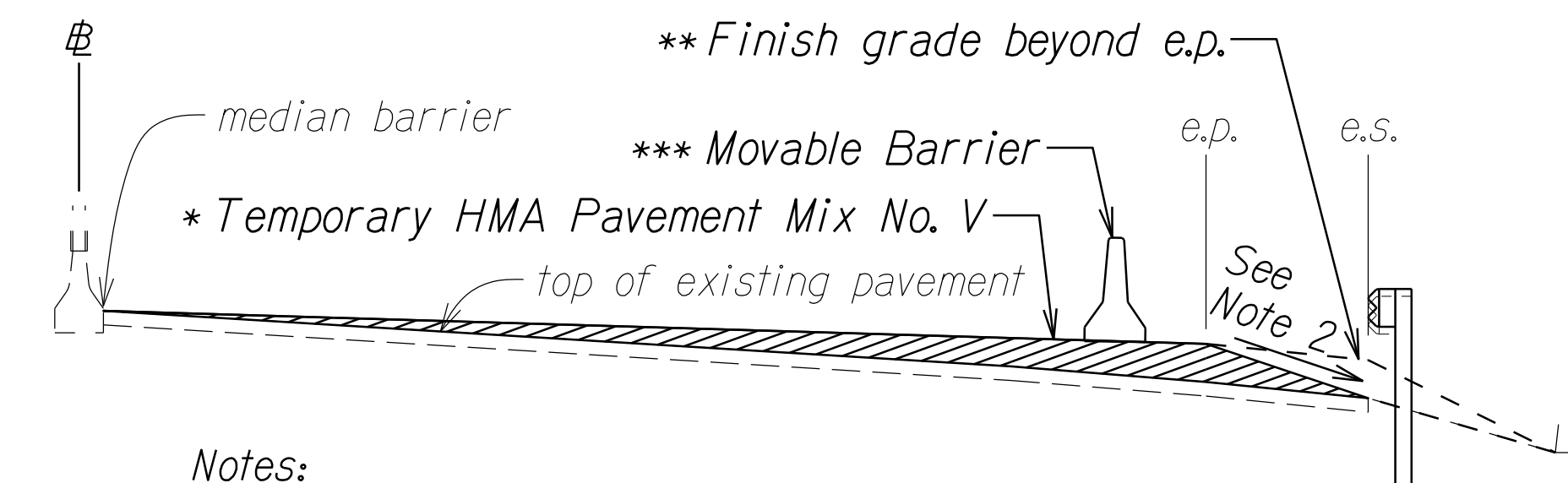
**RECONSTRUCTION AT SETTLED AREA <sup>B</sup>**  
Scale: N.T.S.



**RECONSTRUCTION AT SETTLED AREA <sup>C</sup>**  
Scale: N.T.S.

**TERMINOLOGY AND DEFINITIONS:**

SMA = SMA with PG 64E-22  
PMA Pavement Mix IV = Mix IV with PG 64E-22



**Notes:**

- \* 1. Prior to cold planing bring existing grade up to finish grade from median barrier to e.p. See Pavement Grade Plans Sheet 40 for elevations at finish grade.
- \*\* 2. From finish grade at e.p. taper down to existing grade at e.s. using HMA Pavement Mix No. V. Grade beyond the e.p. shall be brought up to finish grade during reconstruction work.



- \*\*\* 3. Movable Barrier shall be installed once temporary HMA Pavement Mix No. V is placed to finish grade. Deploy movable barrier to shield active Reconstruction Work Area. Movable Barrier shall be moved to stored position during periods of time when lane closure is not allowed. Do not remove Movable Barrier from site until the new MGS guardrails within the Reconstruction Work Area are completed in place. For Temporary Barrier Plans, See Sheets 29 - 30.

**TYPICAL SECTION TEMPORARY PRIOR TO COLD PLANING**  
**# STA. 43+60.00± TO # STA. 54+80.00± Lt. <sup>2</sup>**  
**# STA. 47+20.00± TO # STA. 55+20.00± Rt.**  
Scale: N.T.S.

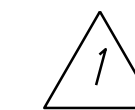
**Notes:**

1. See General notes #31 and #32.
2. For Reconstruction at Settled Area C, the following option can be implemented, in the case of unforeseen circumstances, upon approval by the Engineer at no additional cost to the State: The Hot Mix Asphalt Base Course can be paved 6" thick, then later cold plane the top 2" and place Tensar Road Repair PG100 or equivalent, then placement of 2" of PMA Mix IV as the top layer. See Special Provisions Section 417 - Paving Grid for Cold-Planed Surface. The 2nd layer of GlasGrid may be substituted with the Tensar Road Repair PG100 in this option. In this option, the costs for cold planing removal of the top layer and the asphalt base course that is removed will not be paid for. See General note #20 on Plan Sheet No. 3.

SURVEY PLOTTED BY	DATE
DRAWN BY	.....
TRACED BY	.....
DESIGNED BY	.....
CHECKED BY	.....
NOTE BOOK	.....
.....	.....



11/30/21 Revised Typical Section Temporary Prior to Cold Planing Lt. and limit from 55+20.00± to 54+80.00±.



11/10/21 Revised Typical Section Temporary Prior to Cold Planing Note 3.

DATE

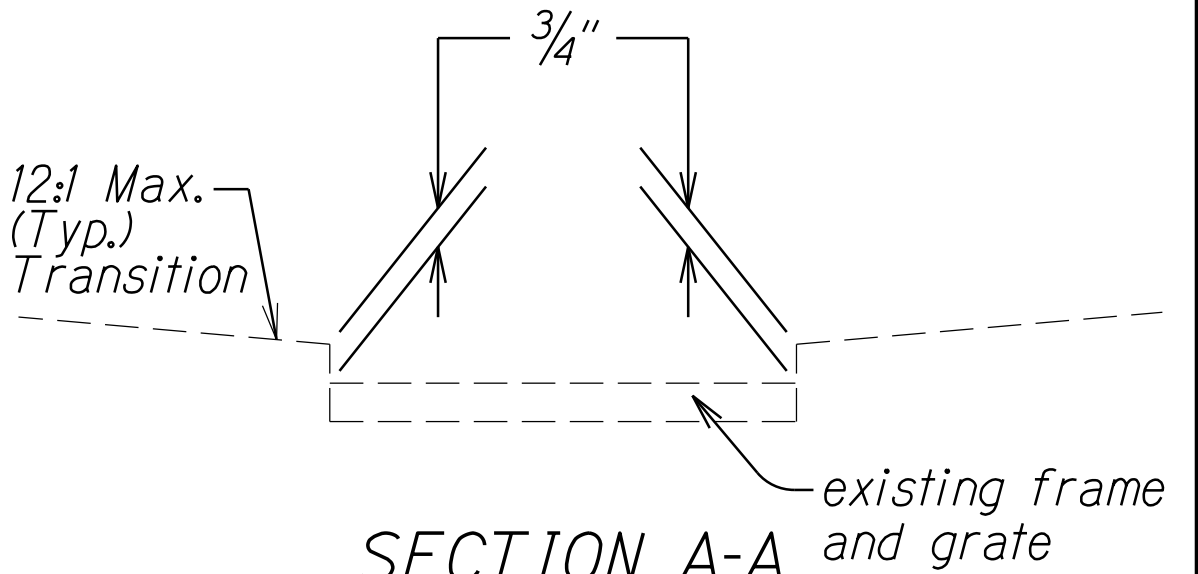
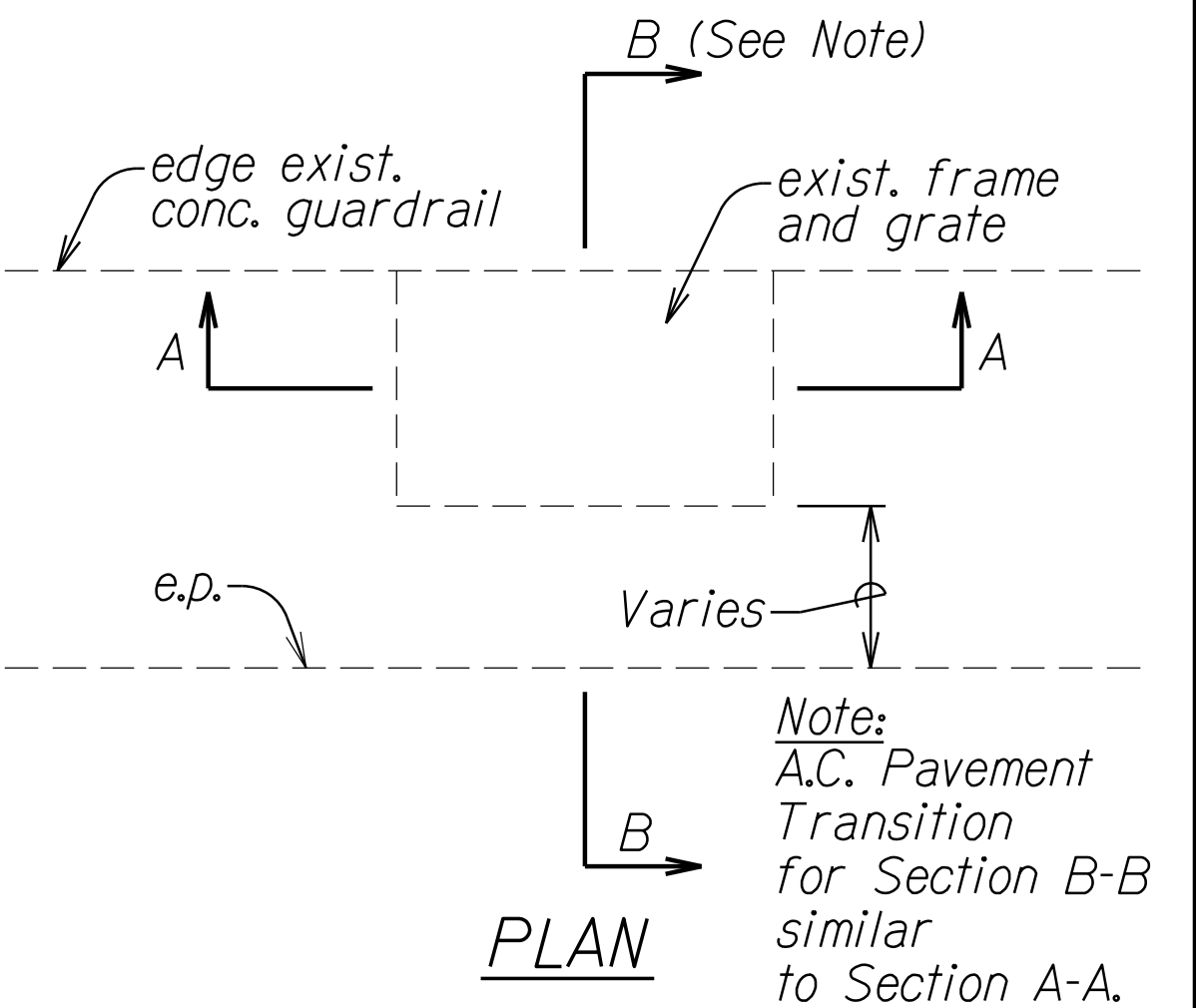
REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
<b>TYPICAL SECTIONS &amp; DETAILS</b>
<b>INTERSTATE ROUTE H-1 REHABILITATION</b>
<b>SALT LAKE BOULEVARD TO AIRPORT VIADUCT</b>
<b>FEDERAL-AID PROJECT NO. NH-HI-K275</b>
Scale: NTS Date: October, 2021
SHEET No. 1 OF 4 SHEETS

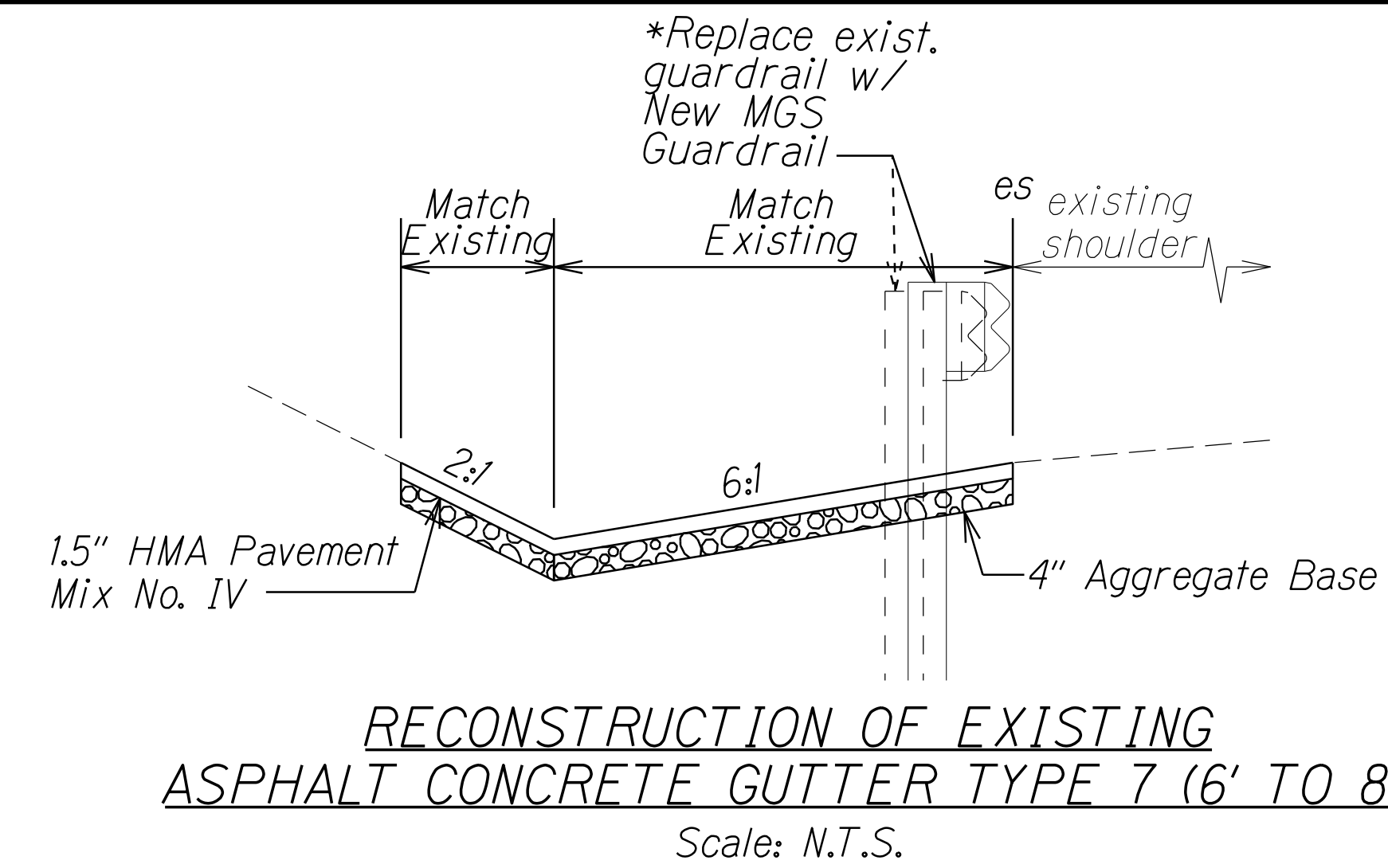
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(275)	2021	ADD. 19	65

**TERMINOLOGY AND DEFINITIONS:**

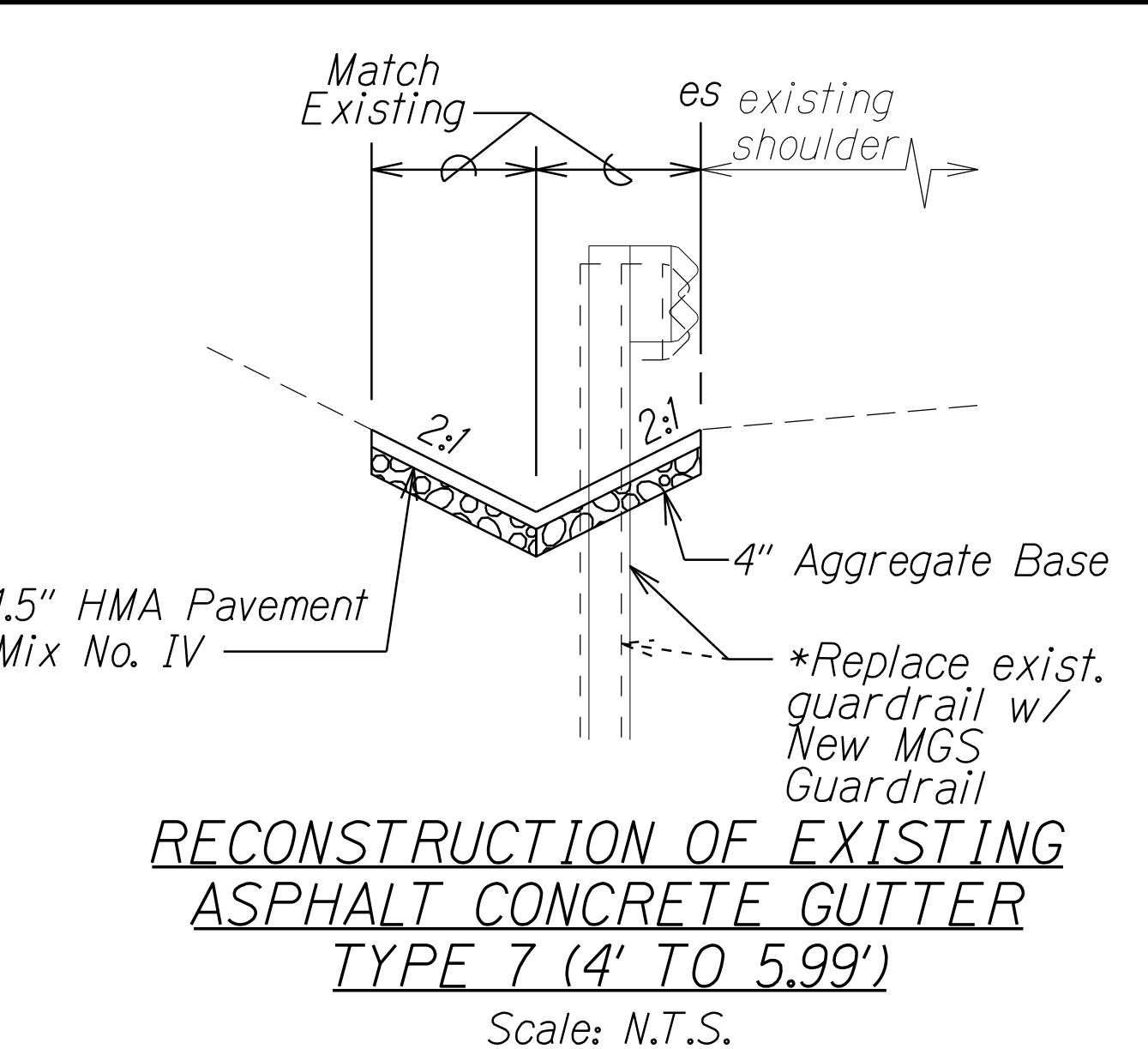
SMA = SMA with PG 64E-22



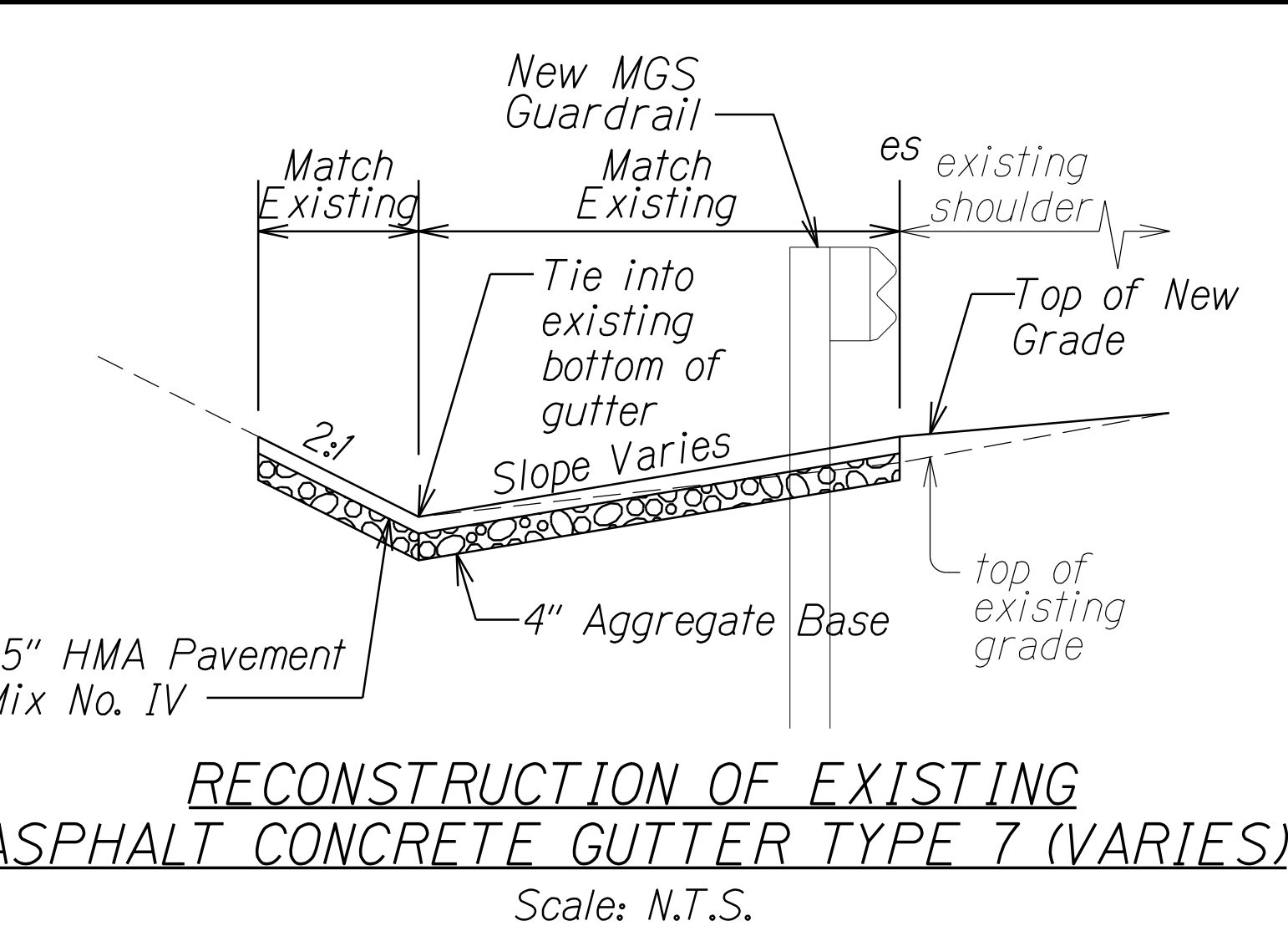
**SECTION A-A**  
**A.C. PAVEMENT TRANSITION TO EXISTING DRAINAGE STRUCTURES**  
Not to Scale



**RECONSTRUCTION OF EXISTING ASPHALT CONCRETE GUTTER TYPE 7 (6' TO 8')**  
Scale: N.T.S.



**RECONSTRUCTION OF EXISTING ASPHALT CONCRETE GUTTER TYPE 7 (4' TO 5.99')**  
Scale: N.T.S.

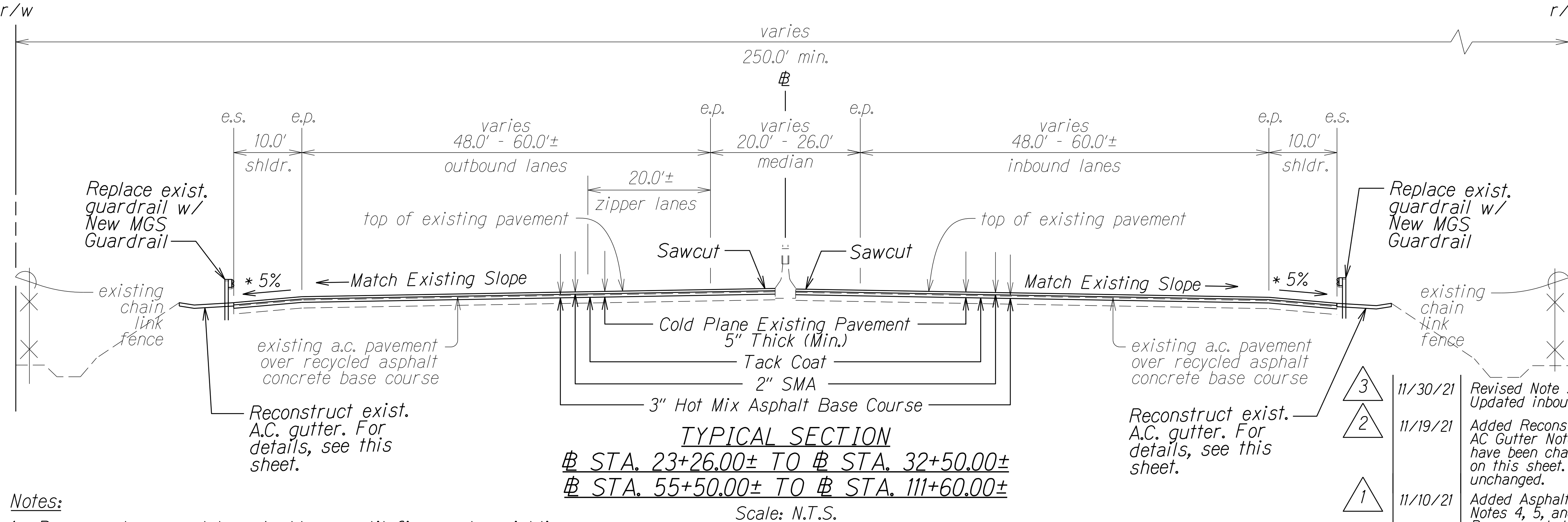


**RECONSTRUCTION OF EXISTING ASPHALT CONCRETE GUTTER TYPE 7 (VARIES)**  
Scale: N.T.S.

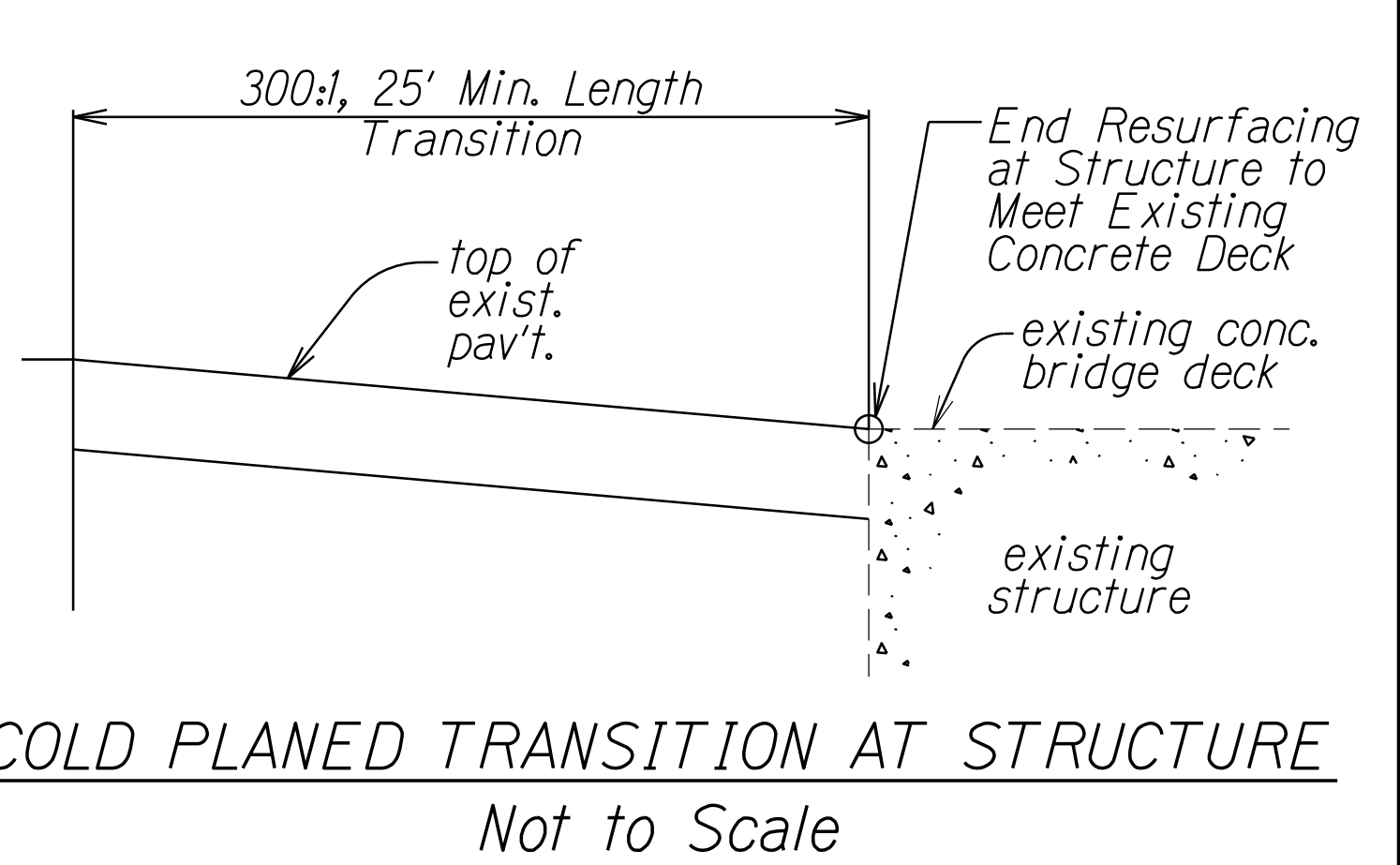
- Reconstruction of Existing AC Gutter Notes:**
- Existing guardrail location varies. New guardrail shall be located adjacent to the edge of shoulder.
  - Removal and disposal of existing asphalt concrete gutter, new HMA Pavement, and Aggregate Base shall be paid under Items No. 639.1000 and 639.2000 - Reconstruct Existing Asphalt Concrete Gutter.
  - Clear existing vegetation to uncover existing gutter.
  - From Sta. 53+04± to Sta. 55+22± Lt. and Sta. 59+54± to Sta. 66+25± Lt., payment shall be under Item No. 639.1000 - Reconstruct Existing Asphalt Concrete Gutter (6 to 8 Feet).
  - From Sta. 55+58± to Sta. 59+13± Lt., payment shall be under Item No. 639.2000 - Reconstruct Existing Asphalt Concrete Gutter (4 to 5.99 Feet).
  - From Sta. 55+22± to Sta. 55+58± Lt. and Sta. 59+13± to Sta. 59+54± Lt., payment shall be under Item No. 639.3000 - Reconstruct Existing Asphalt Concrete Gutter Transition.
  - For Reconstruction of Existing Asphalt Concrete Gutter Limits, see tables on this sheet.

Type 7 Width	# Station	
	Begin	End
6' to 8'	26+00±	27+75±
	37+20±	37+93±
	80+25±	84+75±
4' to 5.99'	23+82±	0+26±
	93+12±	96+80±
	102+60±	109+43±
Varies	53+04±	66+25±

Type 7 Width	# Station	
	Begin	End
6' to 8'	23+17±	23+90±
	30+75±	33+27±
	52+63±	55+55±
	61+20±	64+18±
	RAMP WN 1+35±	RAMP WN 3+50±
4' to 5.99'	88+75±	92+50±
	55+55±	61+20±



- Notes:**
- Recompact exposed base/subbase until firm and unyielding.
  - See Roadway Plans for limits of reconstruction, new guardrail, paving under new guardrail, and reconstruction of existing A.C. gutter.
  - See Pavement Grade Plans on Sheets no. 40 and 41 for new elevations at finish grade on outbound and inbound shoulder.



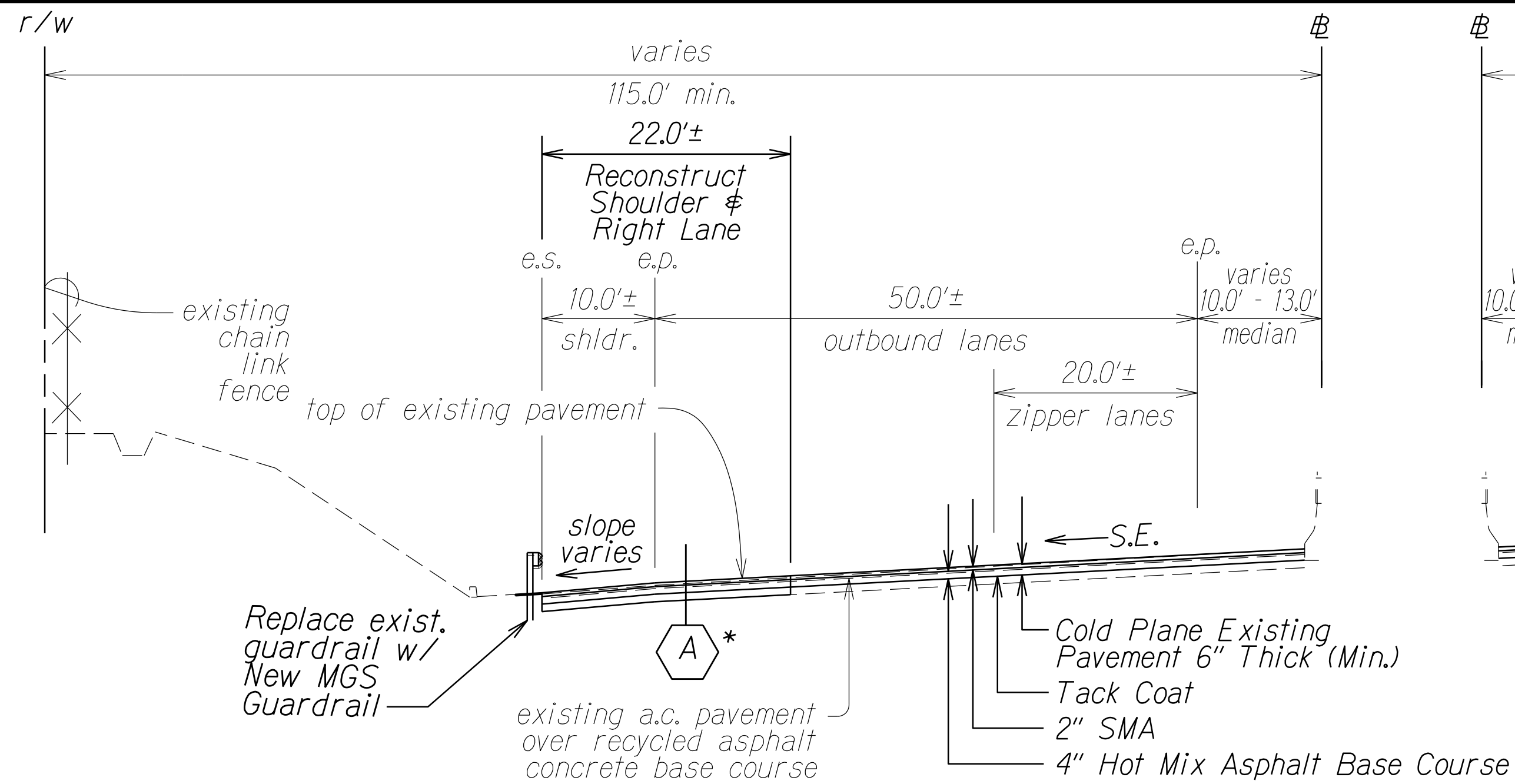
**COLD PLANED TRANSITION AT STRUCTURE**  
Not to Scale

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTIONS & DETAILS	
INTERSTATE ROUTE H-1 REHABILITATION SALT LAKE BOULEVARD TO AIRPORT VIADUCT FEDERAL-AID PROJECT NO. NH-HI-1(275)	
Scale: NTS	Date: October, 2021
SHEET No. 2 OF 4 SHEETS	

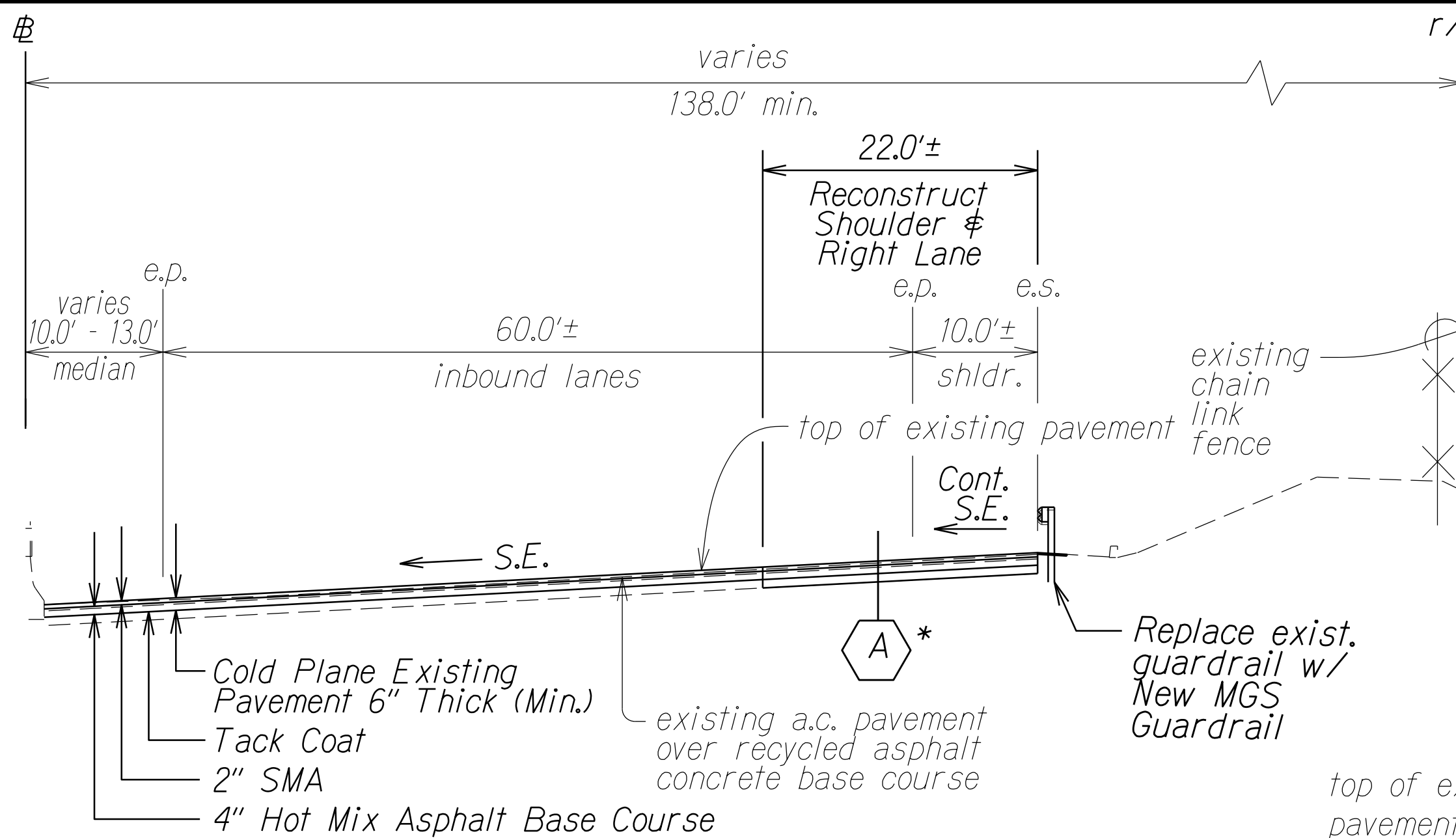


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(275)	2021	ADD. 20	65

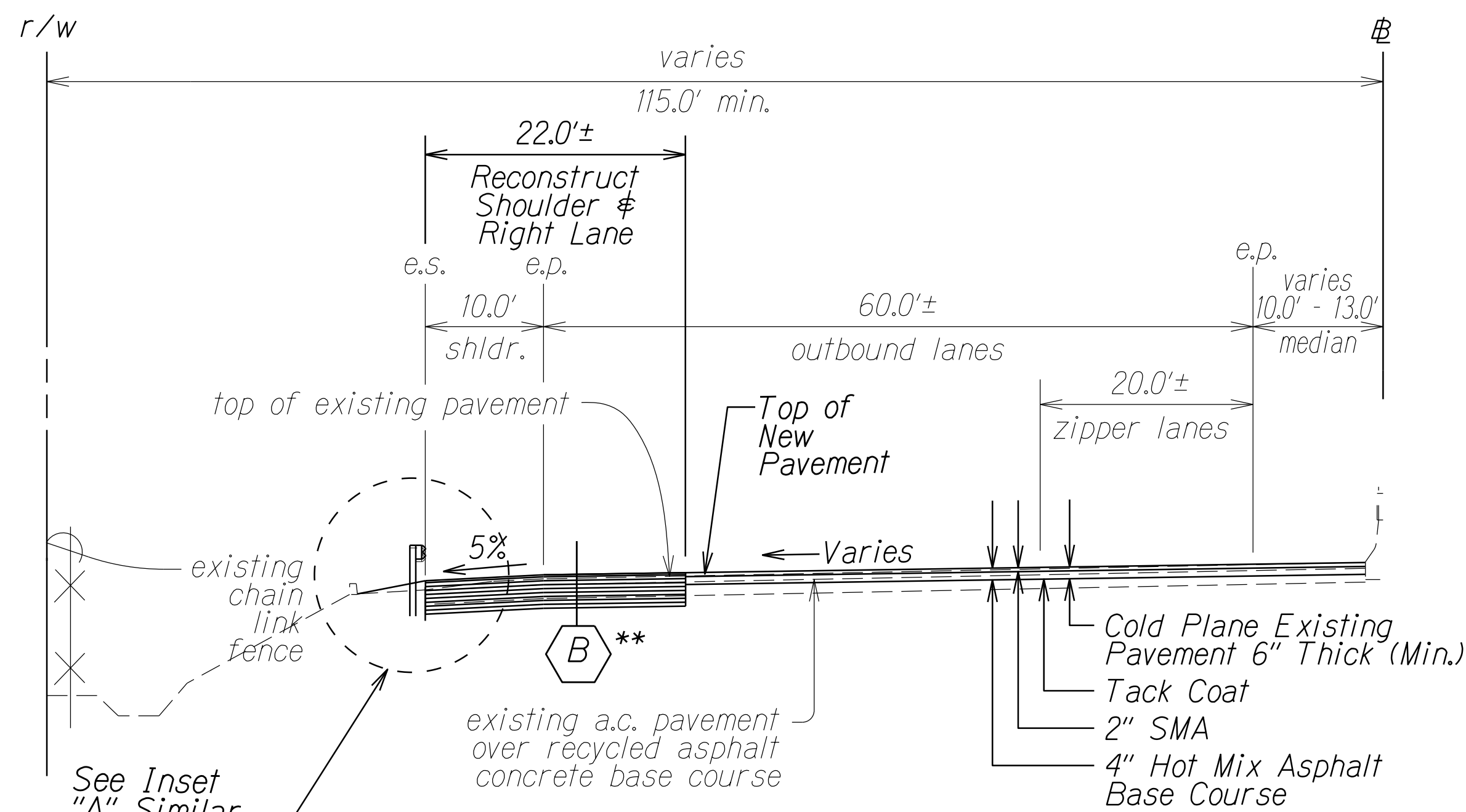
**TERMINOLOGY AND DEFINITIONS:**  
SMA = SMA with PG 64E-22  
PMA Pavement Mix IV = Mix IV with PG 64E-22



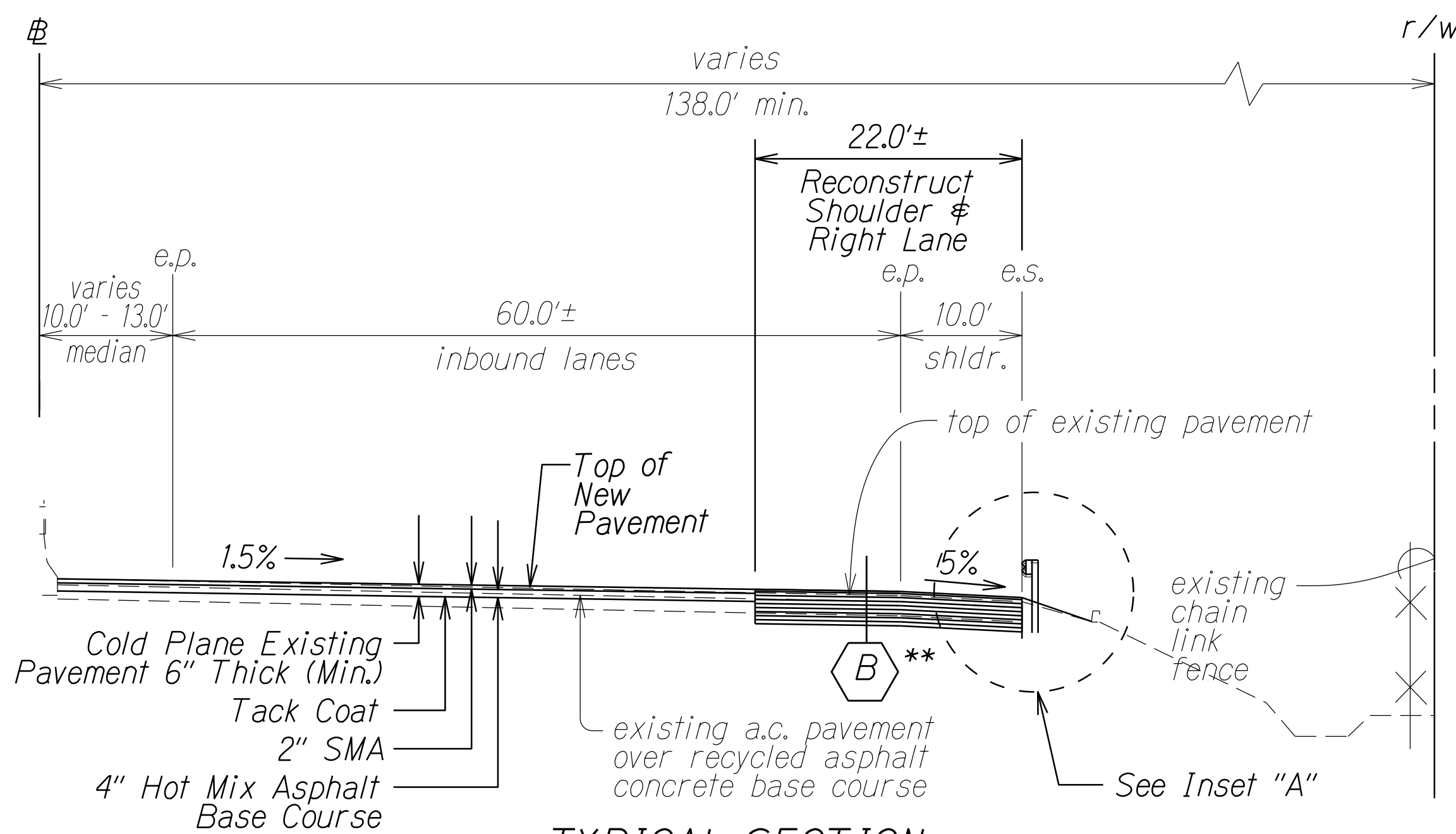
**TYPICAL SECTION**  
# STA. 32+50.00± TO # STA. 40+00.00± Lt.  
Scale: N.T.S.



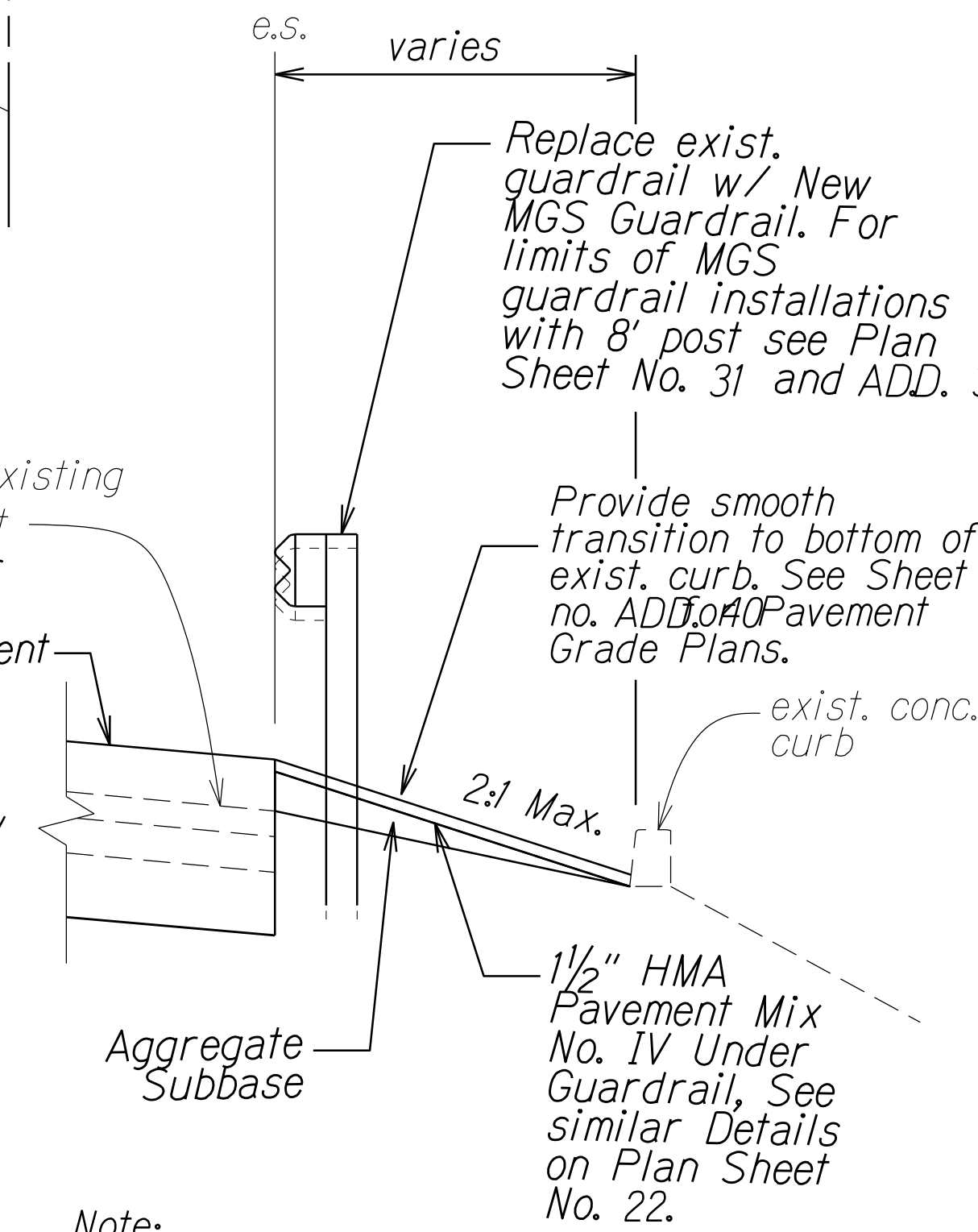
**TYPICAL SECTION**  
# STA. 32+50.00± TO # STA. 48+00.00± Rt.  
Scale: N.T.S.



**TYPICAL SECTION**  
# STA. 40+00.00± TO # STA. 49+40.00± Lt.  
Scale: N.T.S.



**TYPICAL SECTION**  
# STA. 48+00.00± TO # STA. 50+30.00± Rt.  
Scale: N.T.S.



**Note:**  
1. Aggregate Subbase shall be paid under Item 305.1000 - Aggregate Subbase.

**INSET "A"**  
Scale: N.T.S.

- Notes:**
- \*1. See Sheet No. 18 for Reconstruction Detail **A**
  - \*\*2. See Sheet No. 18 for Reconstruction Detail **B**
  - 3. Recompact exposed base/subbase until firm and unyielding
  - 4. See Pavement Grade Plans Sheet No. 40 and 41 for elevations at finish grade. From # Sta. 43+60± to # Sta. 54+80± Lt. and # Sta. 47+20± to # Sta. 55+20± Rt., prior to cold planing, bring existing grade up to finish grade with HMA Pavement, Mix No. V. See Typical Section on Sheet No. 18.
  - 5. See Roadway Plans for limits of reconstruction, new guardrail, paving under new guardrail, and reconstruction of existing A.C. gutter.

11/30/21 Revised Note 4.

DATE REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**TYPICAL SECTIONS & DETAILS**

**INTERSTATE ROUTE H-1 REHABILITATION**  
**SALT LAKE BOULEVARD TO AIRPORT VIADUCT**  
**FEDERAL-AID PROJECT NO. NH-HI-1(275)**

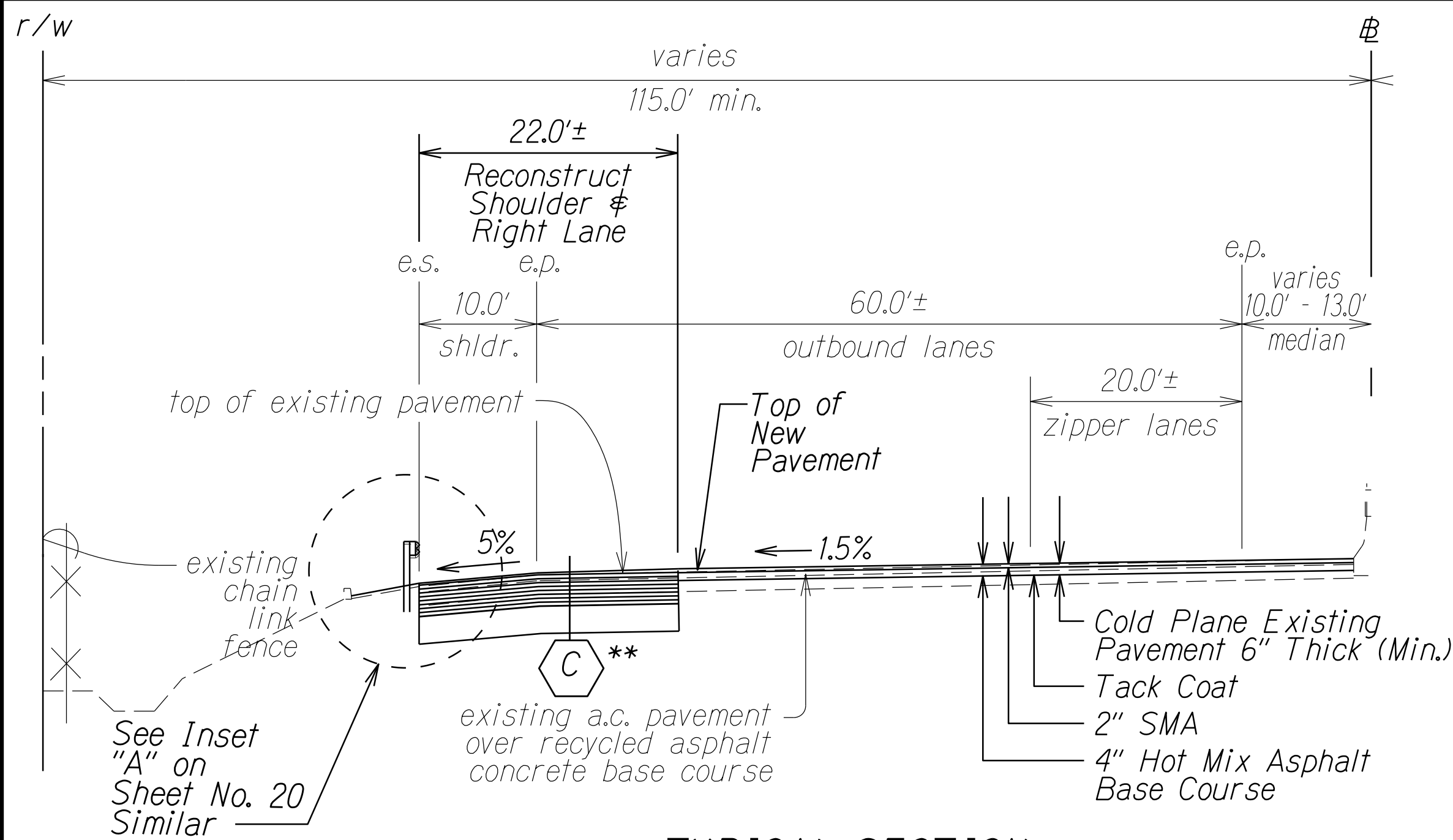
Scale: NTS Date: October, 2021

SHEET No. 3 OF 4 SHEETS

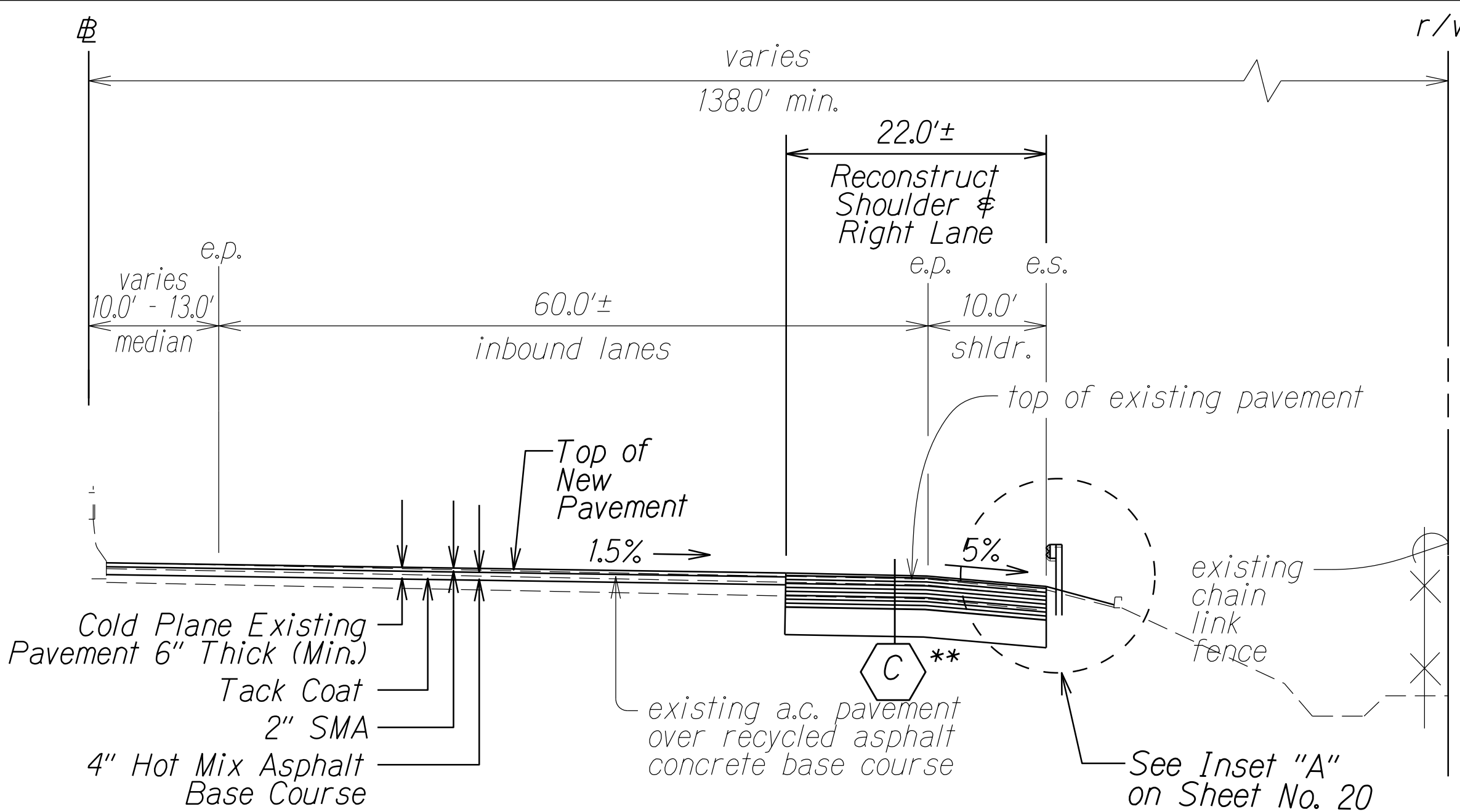
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(275)	2021	ADD. 21	65

**TERMINOLOGY AND DEFINITIONS:**

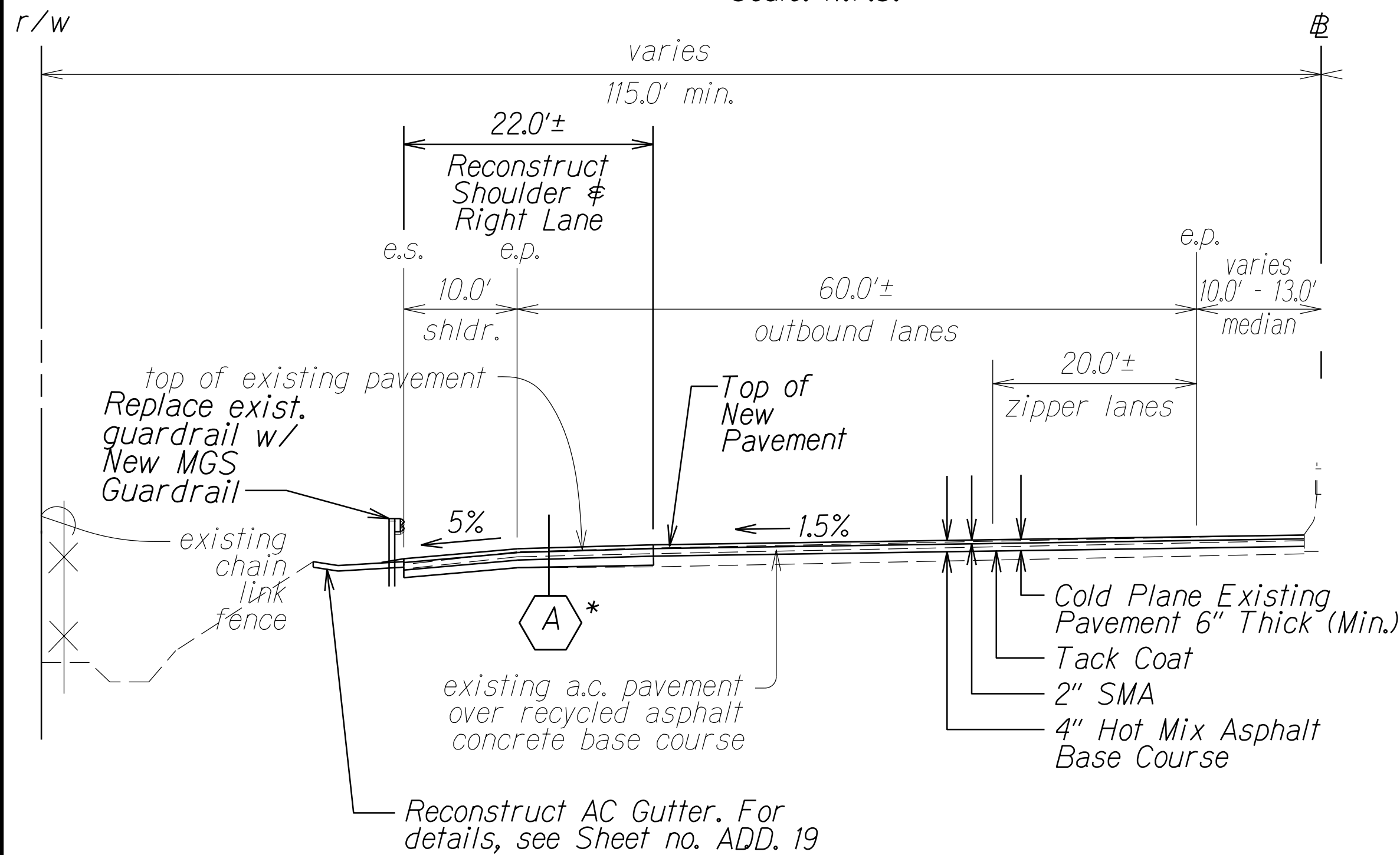
SMA = SMA with PG 64E-22  
PMA Pavement Mix IV = Mix IV with PG 64E-22



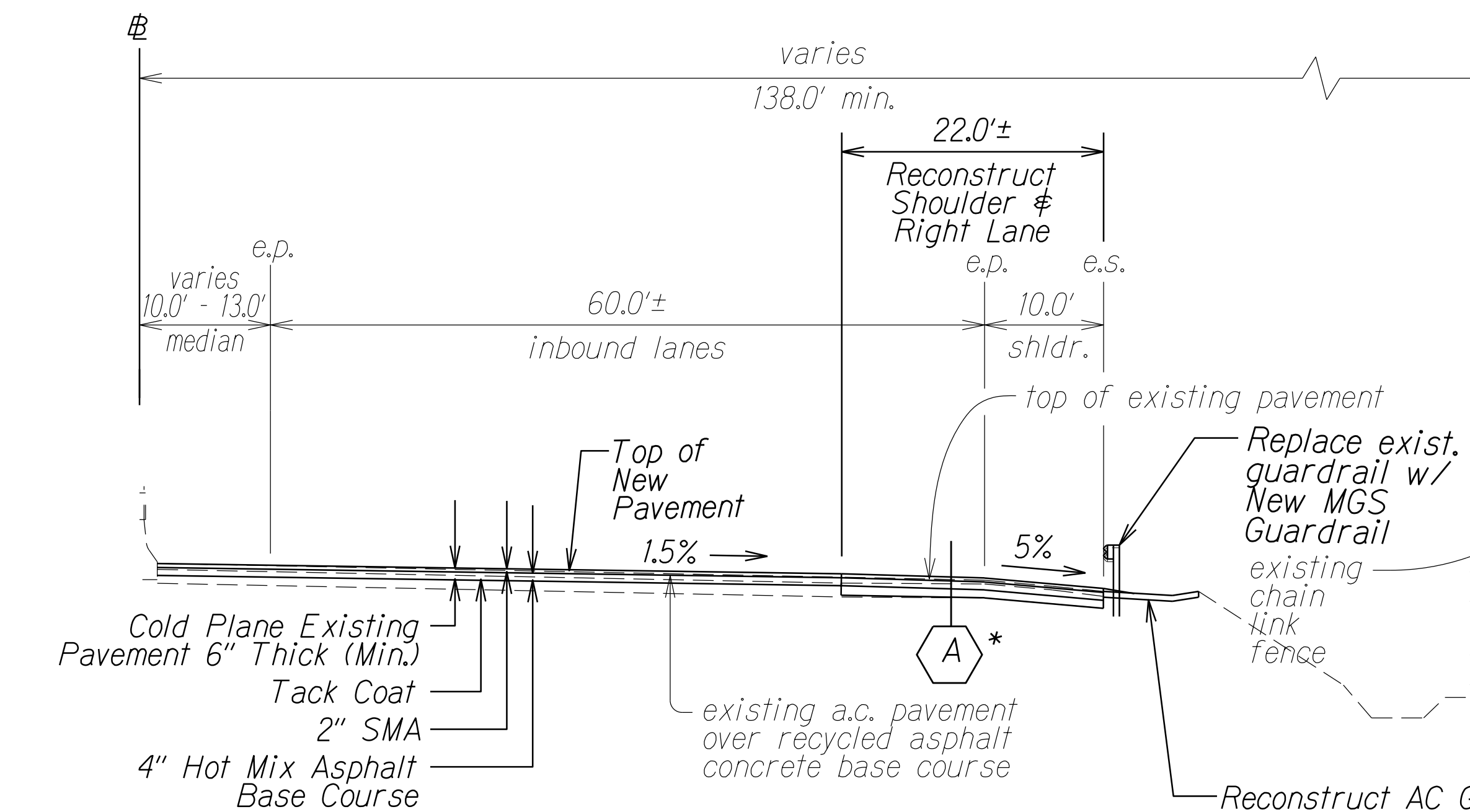
**TYPICAL SECTION**  
# STA. 49+40.00± TO # STA. 53+00.00± Lt.  
Scale: N.T.S.



**TYPICAL SECTION**  
# STA. 50+30.00± TO # STA. 54+00.00± Rt.  
Scale: N.T.S.



**TYPICAL SECTION**  
# STA. 53+00.00± TO # STA. 55+50.00± Lt.  
Scale: N.T.S.



**TYPICAL SECTION**  
# STA. 54+00.00± TO # STA. 55+50.00± Rt.  
Scale: N.T.S.

**Notes:**

- \*1. See Sheet No. 18 for Reconstruction Detail **A**
- \*\*2. See Sheet No. 18 for Reconstruction Detail **C**
3. Recompact exposed base/subbase until firm and unyielding
4. See Pavement Grade Plans Sheet No. 40 and 41 for elevations at finish grade. From # Sta. 43+60± to # Sta. 54+80± Lt. and # Sta. 47+20± to # Sta. 55+20± Rt., prior to cold planing, bring existing grade up to finish grade with HMA Pavement, Mix No. V. See Typical Section on Sheet No. 18.
5. See Roadway Plans for limits of reconstruction, new guardrail, paving under new guardrail, and reconstruction of existing A.C. gutter.

11/30/21 Revised Note 4.

DATE REVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

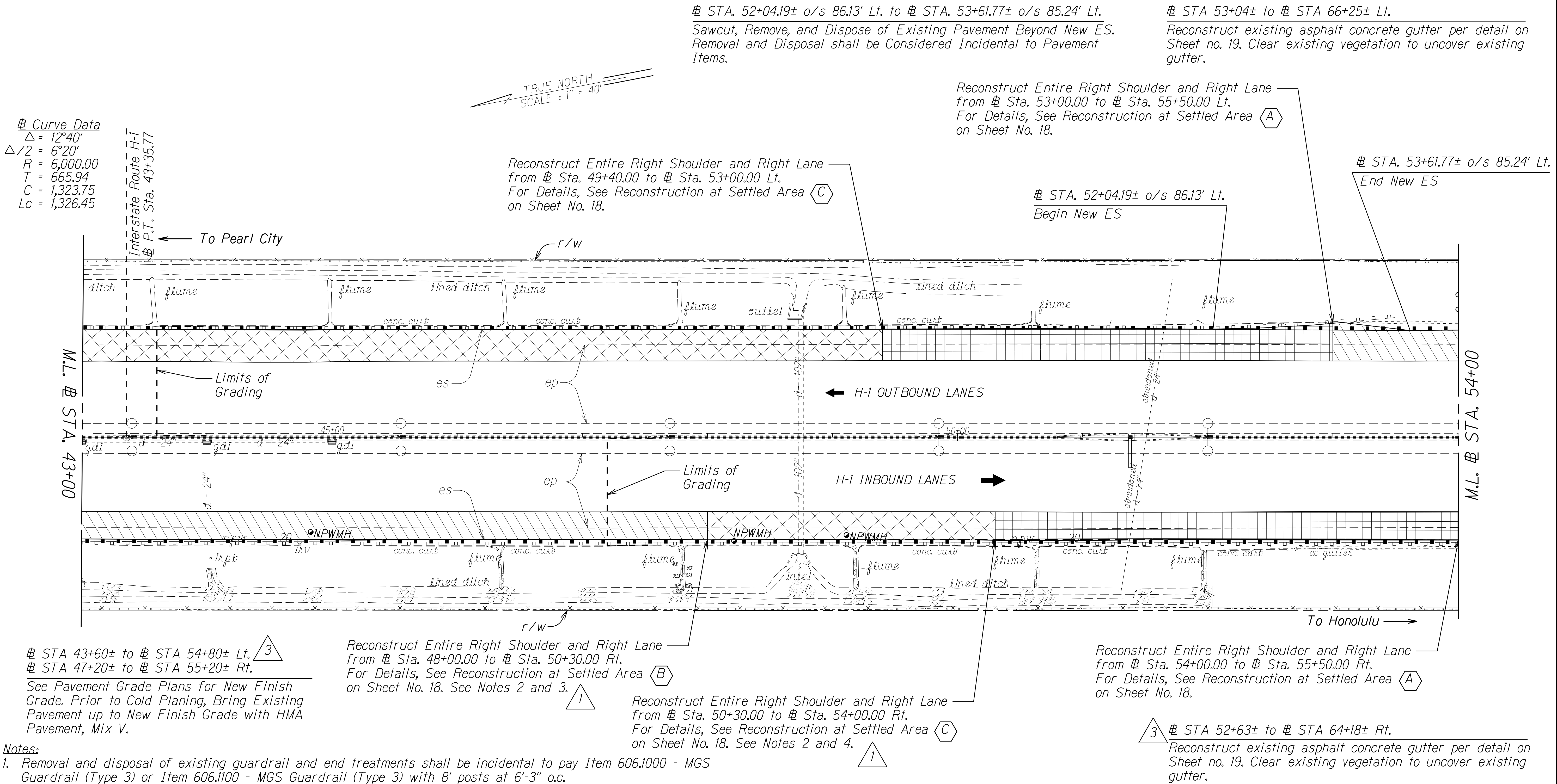
**TYPICAL SECTIONS & DETAILS**

INTERSTATE ROUTE H-1 REHABILITATION  
SALT LAKE BOULEVARD TO AIRPORT VIADUCT  
FEDERAL-AID PROJECT NO. NH-HI-1(275)

Scale: NTS Date: October, 2021

SHEET No. 4 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-K(275)	2021	ADD. 33	65



Notes:

- Removal and disposal of existing guardrail and end treatments shall be incidental to pay Item 606.1000 - MGS Guardrail (Type 3) or Item 606.1100 - MGS Guardrail (Type 3) with 8' posts at 6'-3" o.c.
- The Contractor shall use care when excavating around existing utilities. See General Notes #12 and #15. When compacting over the existing 102" drainline, do not put much compactive effort when putting in the first 12" of fill over the drainline. Do not excavate below the bottom of the existing non-potable water line. Do not put compactive effort on fill over the non-potable waterline until the top of the compacted lift is at least 7" above the concrete jacket.
- For excavation around existing manholes, soil shall be excavated such that the level of soil surrounding the manhole is equal all around. The Contractor shall protect existing manholes and utilities. Any damages incurred shall be repaired or replaced at the cost of the Contractor.
- The water valves in the vicinity shall be shut off during exposure of waterline during reconstruction work. Should the bottom of the existing waterline become exposed, it shall be supported and protected. Any damages incurred shall be repaired or replaced at the cost of the Contractor. Ensure proper compaction around existing pipes.

DATE	REVISION
11/30/21	Revised Lt. end limit from 55+20.00± to 54+80.00±. Extended asphalt concrete gutter reconstruction to 64+18± Rt.
11/19/21	Made additions to Note 2.
11/10/21	Added Note 2. Added Note 3. Added Note 4.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
<b>ROADWAY PLANS</b>
<b>INTERSTATE ROUTE H-1 REHABILITATION</b>
<b>SALT LAKE BOULEVARD TO AIRPORT VIADUCT</b>
<b>FEDERAL-AID PROJECT NO. NH-HI-K(275)</b>
Scale: 1" = 40' Date: October, 2021
SHEET No. 3 OF 9 SHEETS





