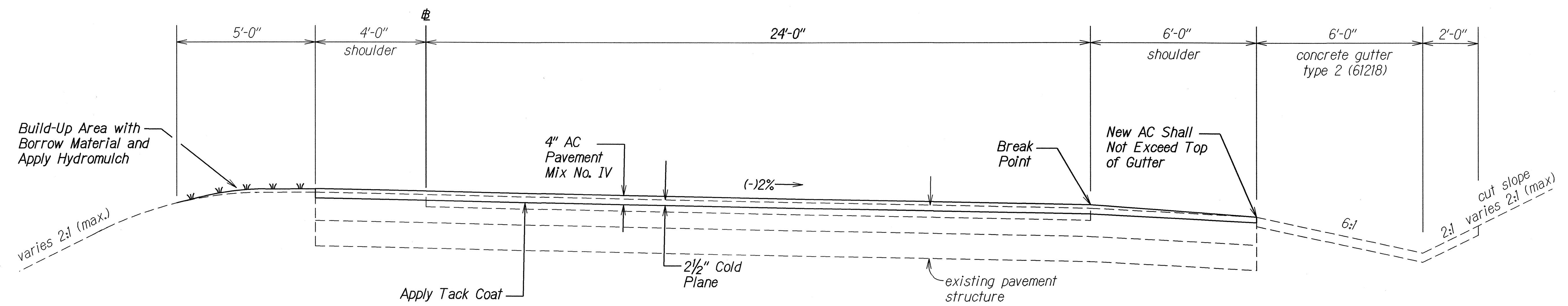
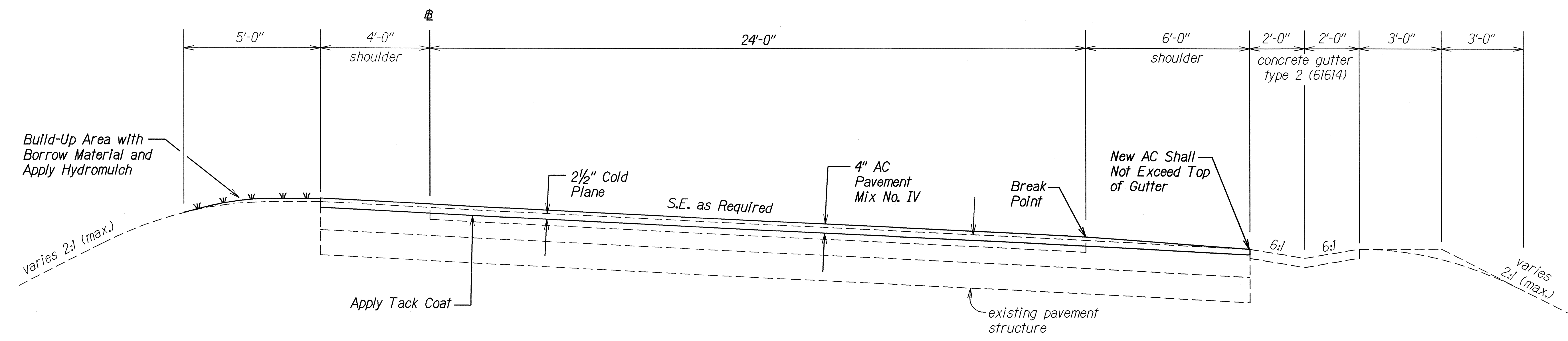


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(33)	2007	6	168



NORMAL TANGENT SECTION
WAIPIO INTERCHANGE, RAMP WG-2
± STA. 0+35± TO INTERSTATE RTE H-2 ± STA. 372+48±
 Scale: 1/2"=1'-0"

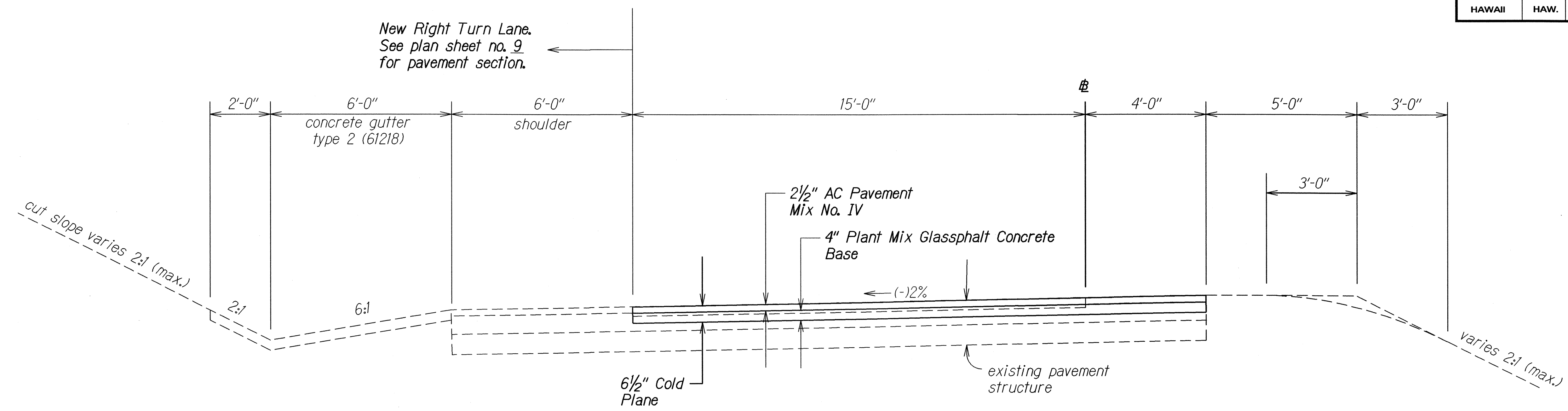


TYPICAL SUPERELEVATED SECTION
WAIPIO INTERCHANGE, RAMP WG-2
± STA. 0+35± TO INTERSTATE RTE H-2 ± STA. 372+48±
 Scale: 1/2"=1'-0"

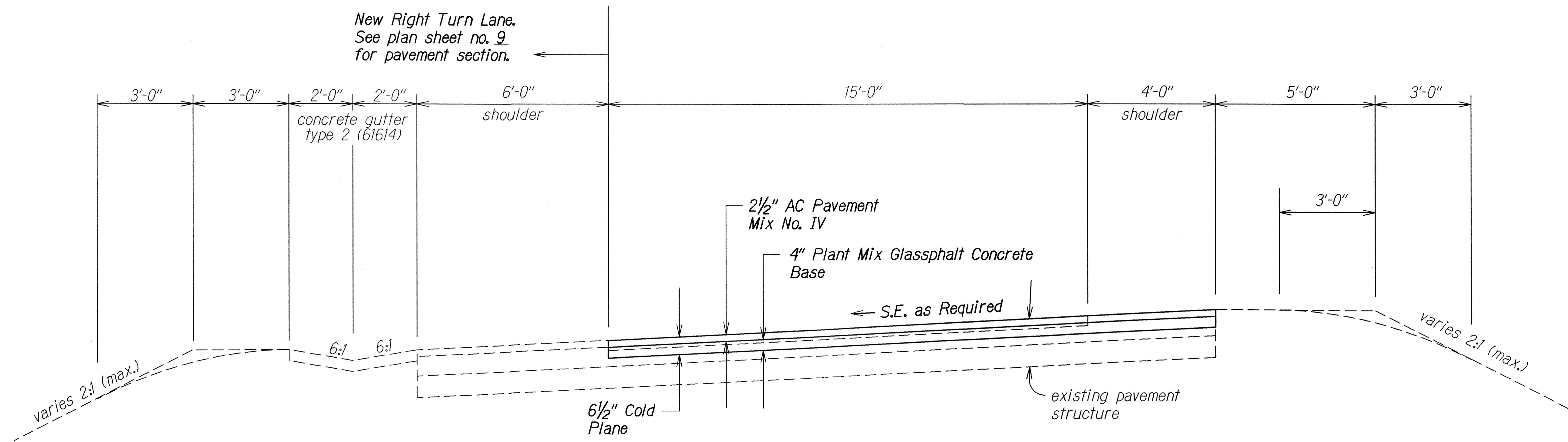
ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TYPICAL SECTION
 INTERSTATE ROUTE H-2 REHABILITATION
 Waipio Interchange ± Millilani Interchange,
 On/Off Ramps, Ka Uka Blvd., ± Meheula Parkway
 Overpasses, ± Kipapa Stream Bridge
 Federal Aid Project No. IM-H2-1(33)
 Scale: 1/2"=1'-0" Date: December, 2006
 SHEET No. 1 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(33)	2006	7	168



NORMAL TANGENT SECTION
WAIPIO INTERCHANGE, RAMP WG-3
± STA. 0+33± TO ± STA. 6+05±
 Scale: 1/2"=1'-0"



TYPICAL SUPERELEVATED SECTION
WAIPIO INTERCHANGE, RAMP WG-3
± STA. 0+33± TO ± STA. 6+05±
 Scale: 1/2"=1'-0"

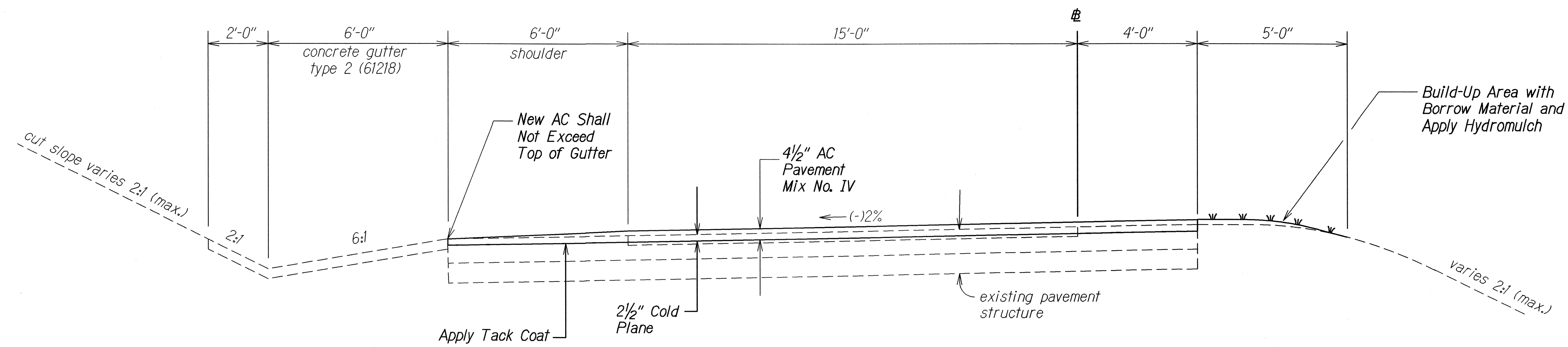
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TYPICAL SECTION

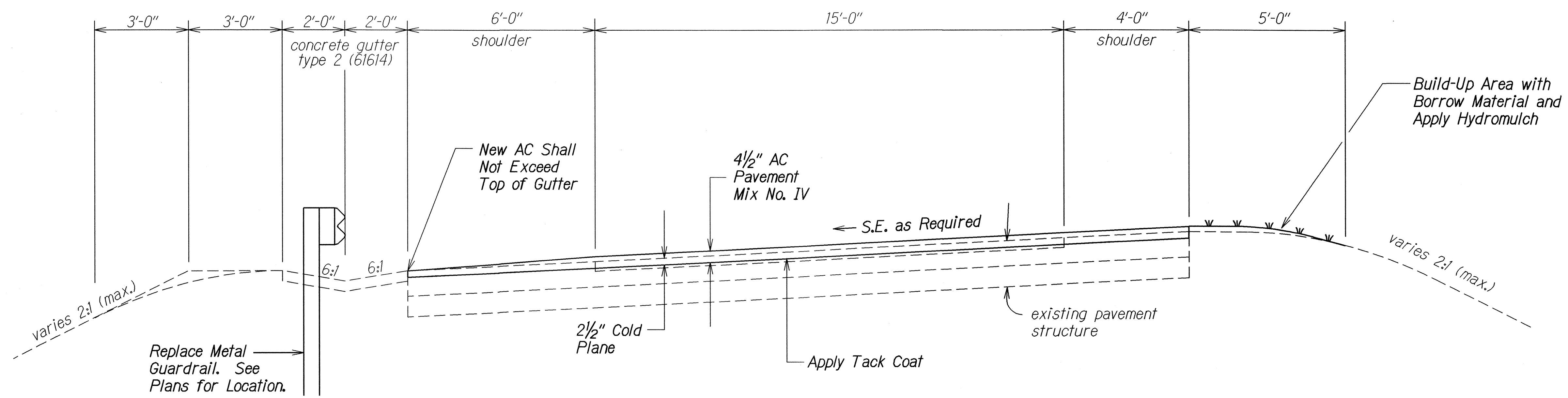
INTERSTATE ROUTE H-2 REHABILITATION
 Waipio Interchange & Mililani Interchange,
 On/Off Ramps, Ka Uka Blvd., & Meheula Parkway
 Overpasses, & Kipapa Stream Bridge
 Federal Aid Project No. IM-H2-1(33)
 Scale: 1/2"=1'-0" Date: December, 2006

ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(33)	2007	8	168



NORMAL TANGENT SECTION
WAIPIO INTERCHANGE, RAMP WG-3
STA. 6+05± TO INTERSTATE RTE H-2 # STA. 330+32±
 Scale: 1/2"=1'-0"

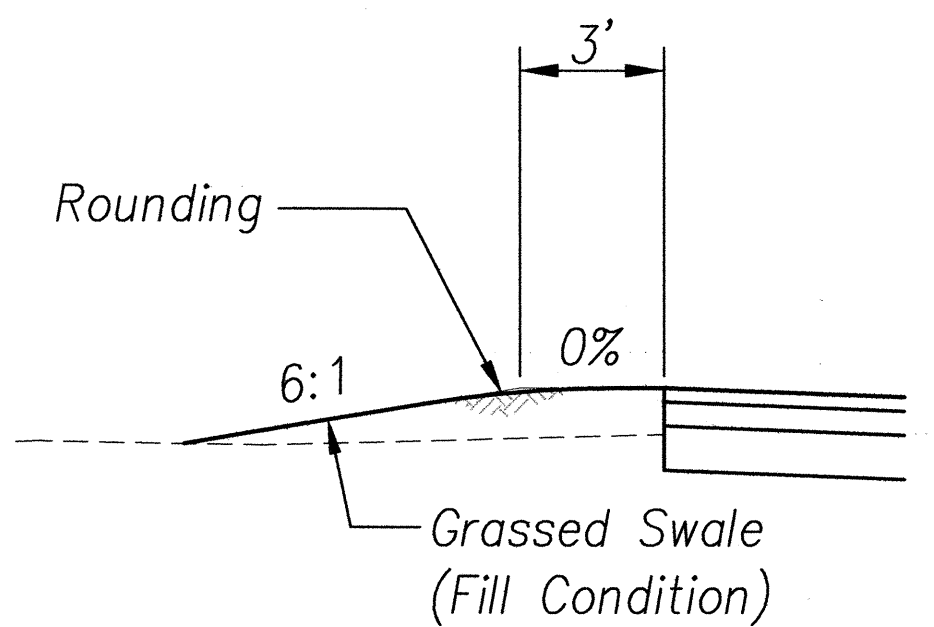
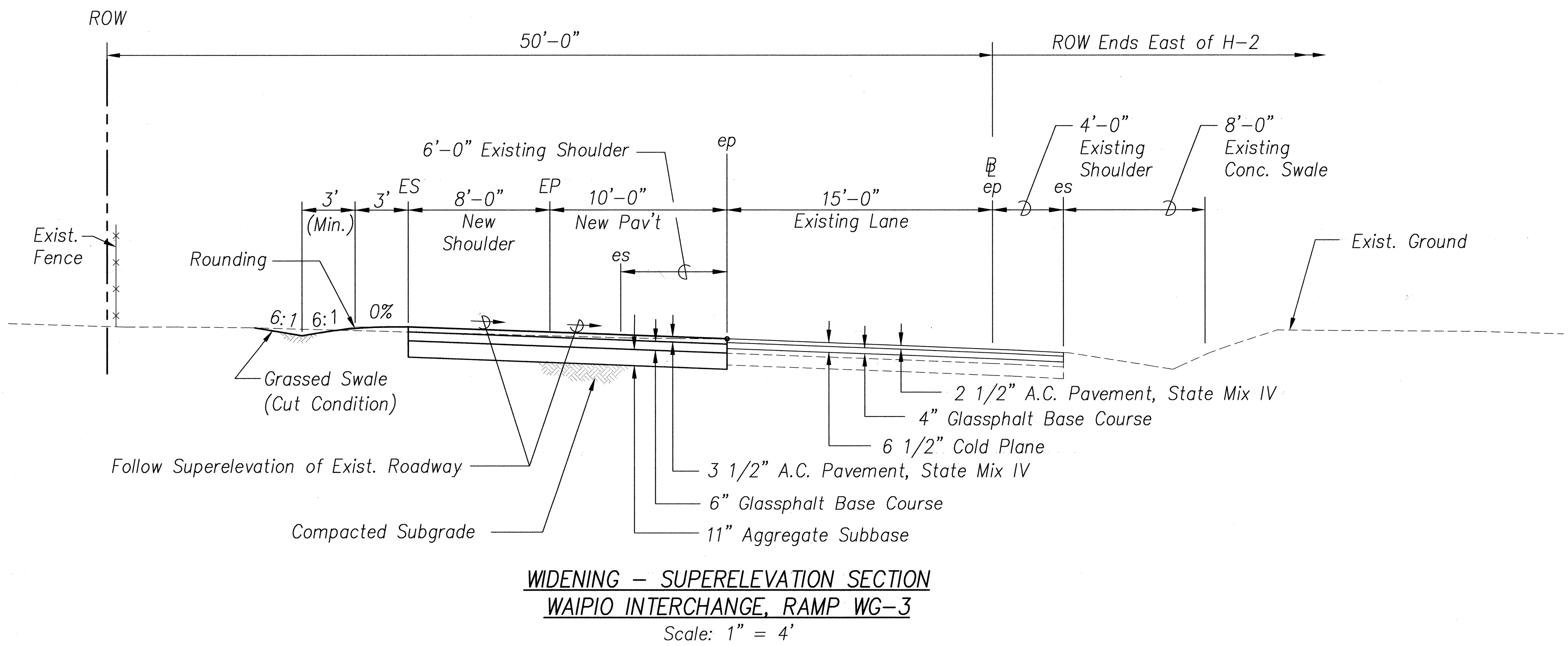
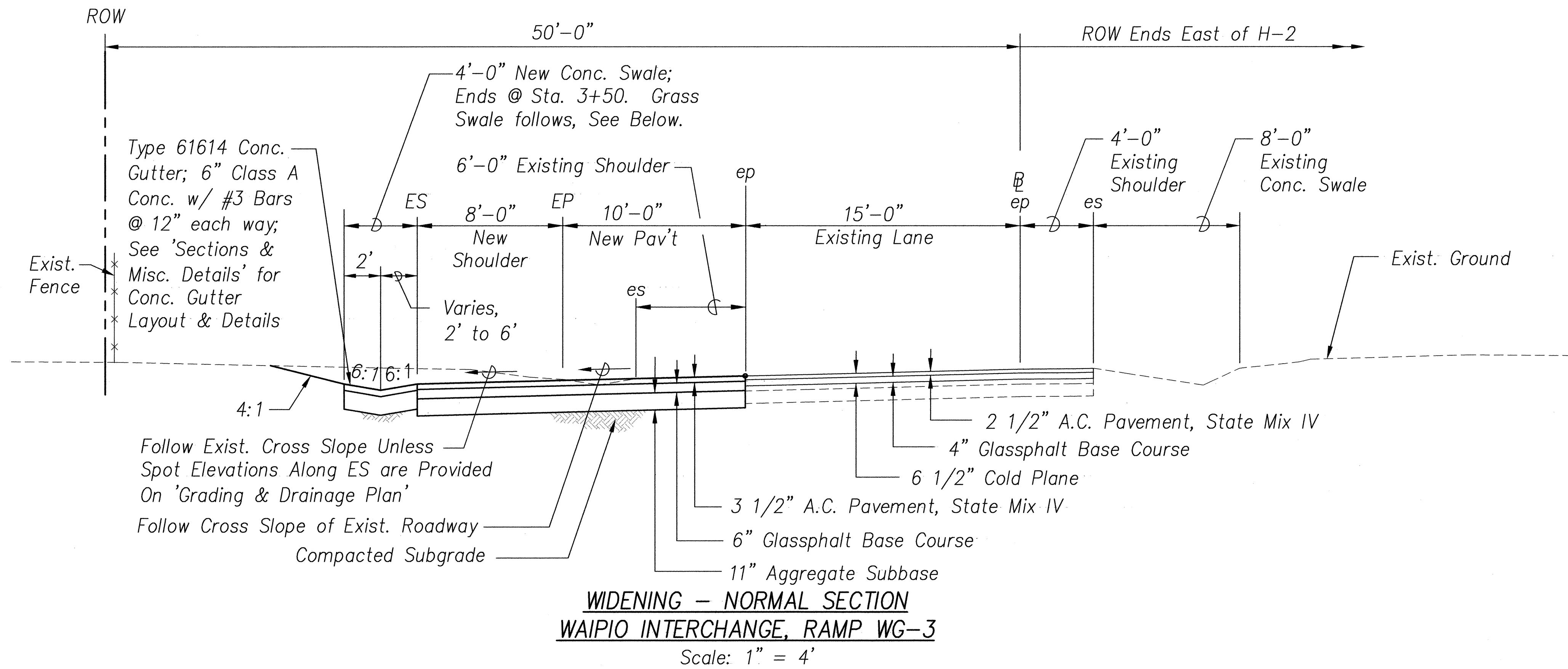


TYPICAL SUPERELEVATED SECTION
WAIPIO INTERCHANGE, RAMP WG-3
STA. 6+05± TO INTERSTATE RTE H-2 # STA. 330+32±
 Scale: 1/2"=1'-0"

SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TYPICAL SECTION
 INTERSTATE ROUTE H-2 REHABILITATION
 Waipio Interchange # Mililani Interchange,
 On/Off Ramps, Ka Uka Blvd., # Meheula Parkway
 Overpasses, # Kipapa Stream Bridge
 Federal Aid Project No. IM-H2-1(33)
 Scale: 1/2"=1'-0" Date: December, 2006
 SHEET No. 3 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(33)	2007	9	168

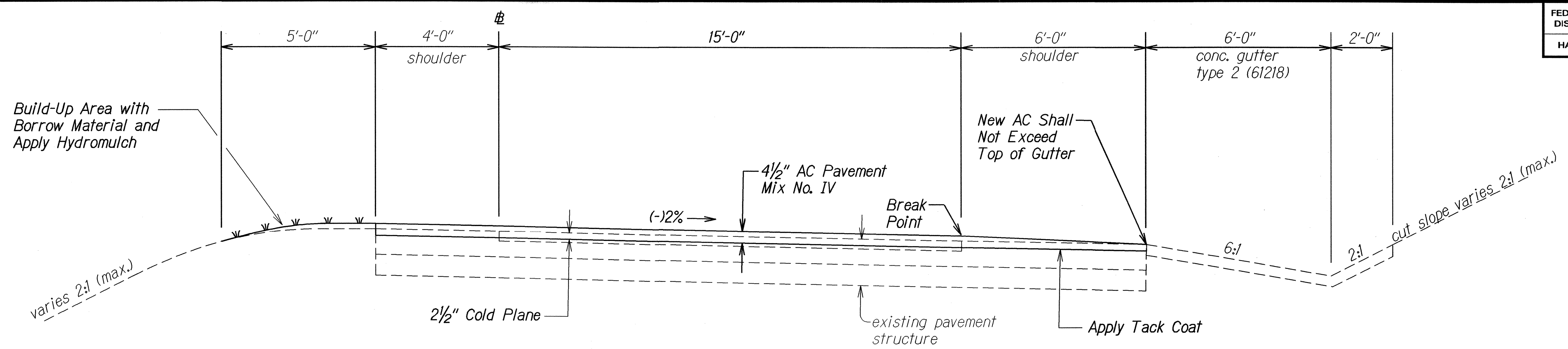


KENNETH O. NAGLE
 LICENSED PROFESSIONAL ENGINEER
 No. 3265-C
 HAWAII, U.S.A.
 APRIL 30, 2008
 EXPIRATION DATE OF LICENSE
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

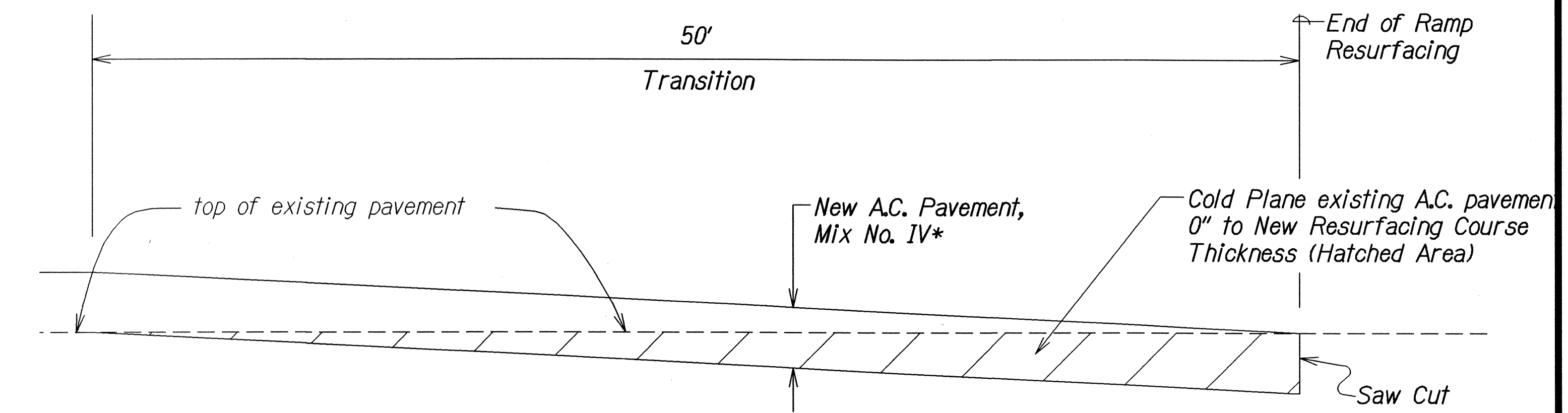
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
WIDENING SECTIONS
 @ STA. 0+75 TO 6+05
WAIPIO INTERCHANGE, RAMP WG-3
INTERSTATE ROUTE H-2 REHABILITATION
 Waipio Interchange and Mililani Interchange
 On/Off Ramps, Ka Uka Boulevard and
 Meheula Parkway Overpasses, & Kipapa Stream Bridge
 Federal Aid Project No. IM-H2-1(33)
 SCALE: AS NOTED DATE: NOVEMBER 2006
 SHEET No. OF SHEETS

DATE
 SURVEY PLOTTED BY
 DRAWN BY
 TRACED BY
 CHECKED BY
 NOTE BOOK
 No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(33)	2007	10	168

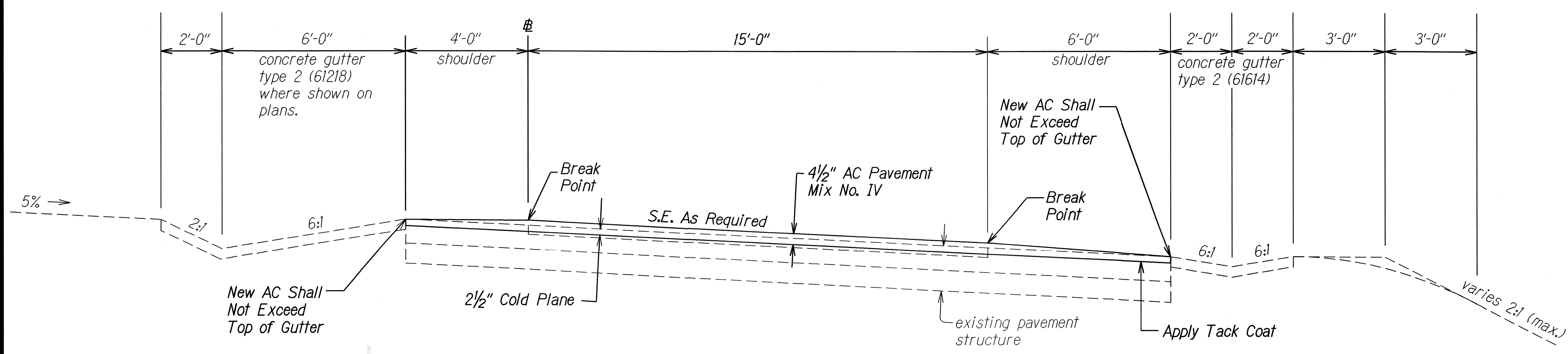


NORMAL TANGENT SECTION WAIPIO INTERCHANGE, RAMP WG-4
± STA. 4+56± TO INTERSTATE RTE H-2 ± STA. 330+15±
 Scale: 1/2" = 1'-0"



WAIPIO INTERCHANGE-TYPICAL COLD PLANED TRANSITION TO EXISTING A.C. PAVEMENT AT EACH END OF RAMP
 Not to Scale

* See Typical Sections for Pavement Thickness

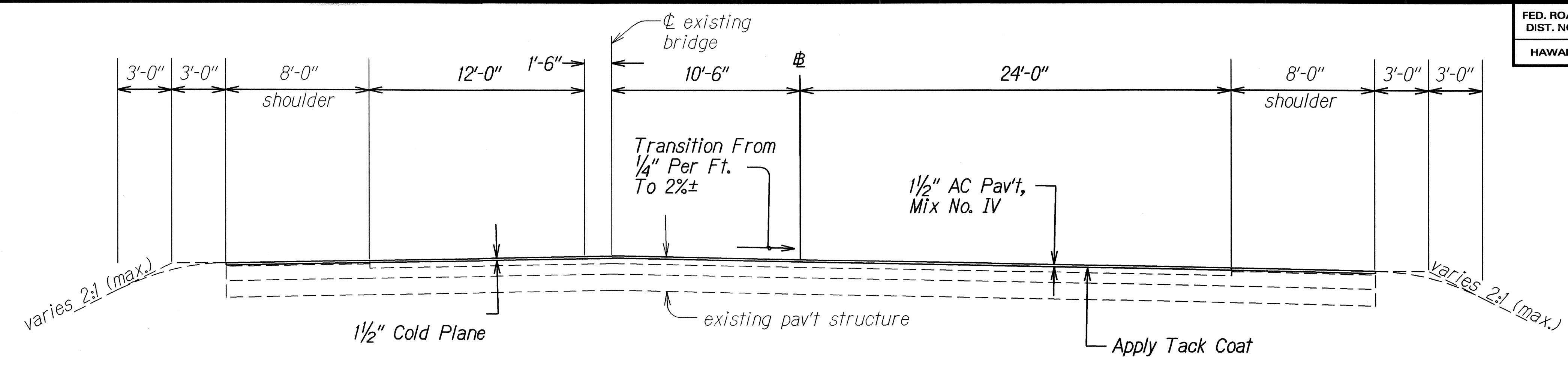


TYPICAL SUPERELEVATED SECTION WAIPIO INTERCHANGE, RAMP WG-4
± STA. 4+56± TO INTERSTATE RTE H-2 ± STA. 330+15±
 Scale: 1/2" = 1'-0"

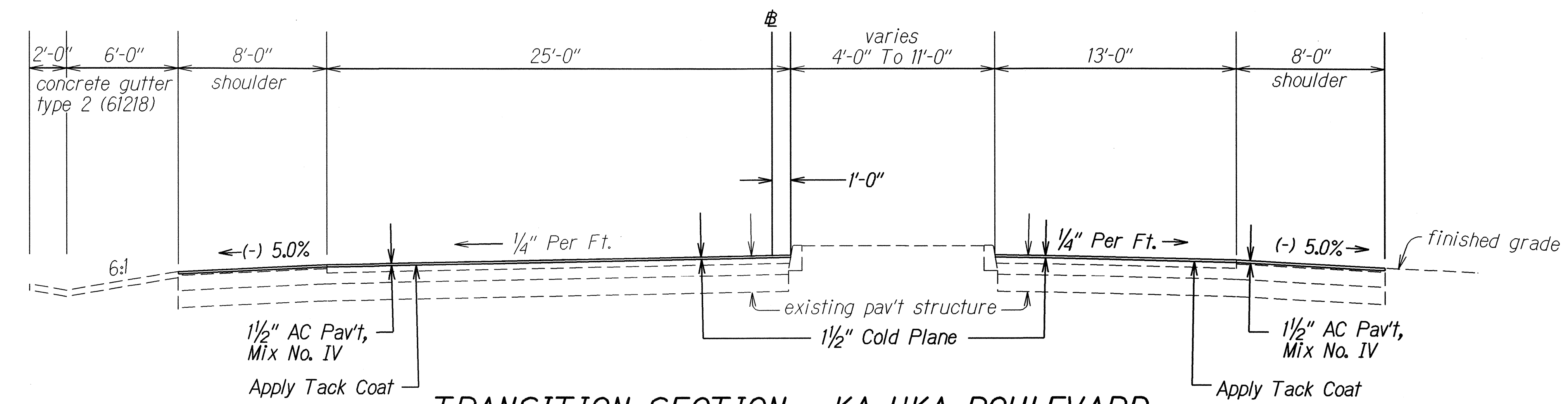
SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TYPICAL SECTION
INTERSTATE ROUTE H-2 REHABILITATION
Waipio Interchange ± Millilani Interchange,
On/Off Ramps, Ka Uka Blvd. ± Meheula Parkway
Overpasses, ± Kipapa Stream Bridge
Federal Aid Project No. IM-H2-1(33)
 Scale: 1/2" = 1'-0" Date: December, 2006
 SHEET No. 4 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(33)	2007	11	168

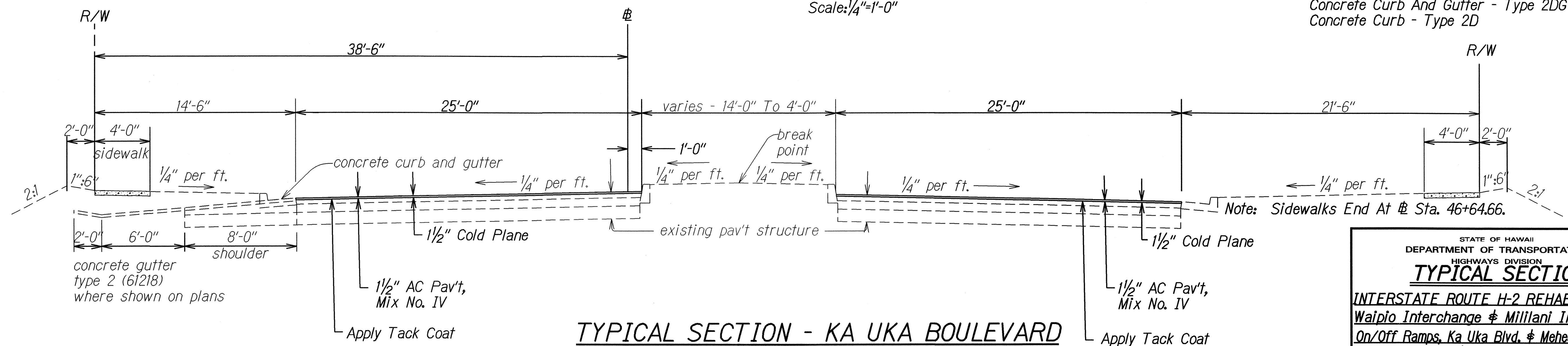


TRANSITION SECTION - KA UKA BOULEVARD
STA. 50+18.05 TO BEGIN BRIDGE
 Scale: 1/4"=1'-0"



TRANSITION SECTION - KA UKA BOULEVARD
STA. 47+74.86 TO STA. 50+18.05
 Scale: 1/4"=1'-0"

Sta. 43+44.66 To Sta. 50+18.05
 State Standard Plans - Detail D-04
 Concrete Curb And Gutter - Type 2DG
 Concrete Curb - Type 2D



TYPICAL SECTION - KA UKA BOULEVARD
STA. 43+44.66 TO STA. 47+74.86
 Scale: 1/4"=1'-0"

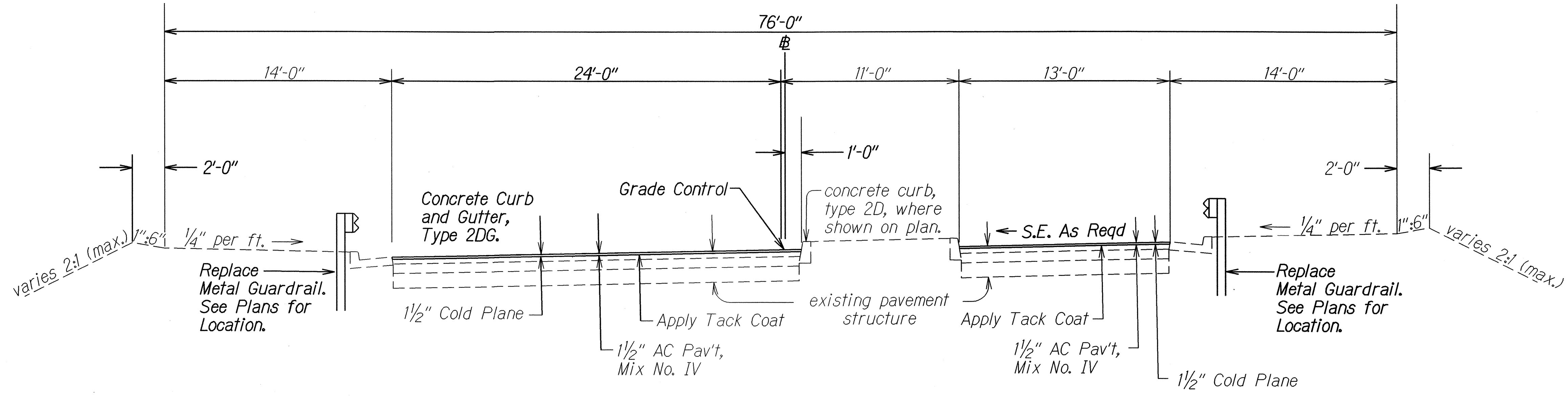
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTION
INTERSTATE ROUTE H-2 REHABILITATION
Waipio Interchange & Millilani Interchange,
On/Off Ramps, Ka Uka Blvd. & Meheula Parkway
Overpasses, & Kipapa Stream Bridge
Federal Aid Project No. IM-H2-1(33)
Scale: 1/4" = 1'-0" Date: December, 2006

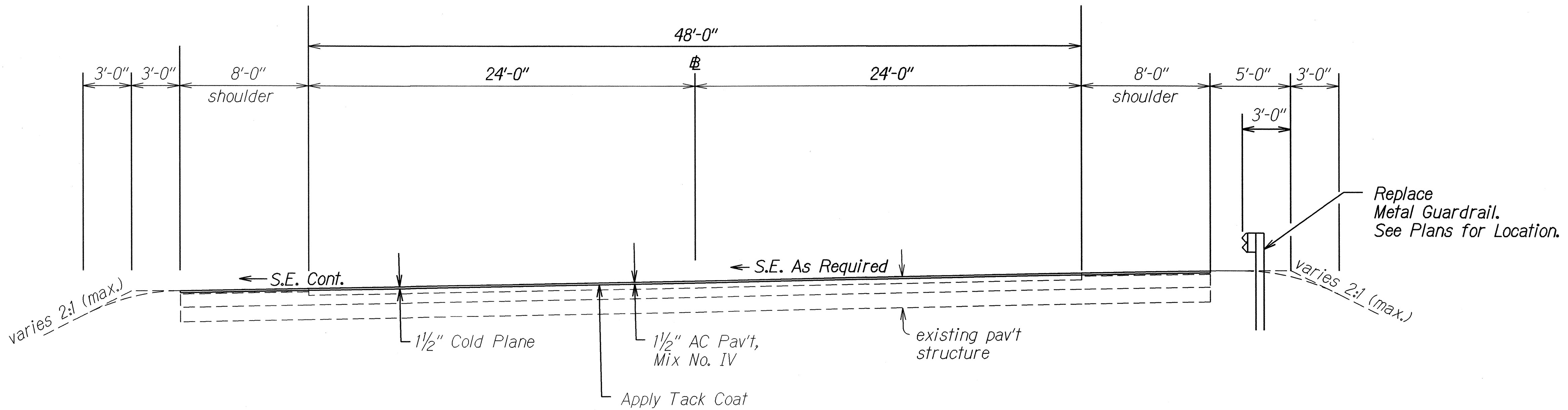
SHEET No. 5 OF 11 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(33)	2007	12	168



TYPICAL SECTION - KA UKA BOULEVARD
STA. 55+65.25 TO STA. 59+06.25
 Scale: 1/4" = 1'-0"

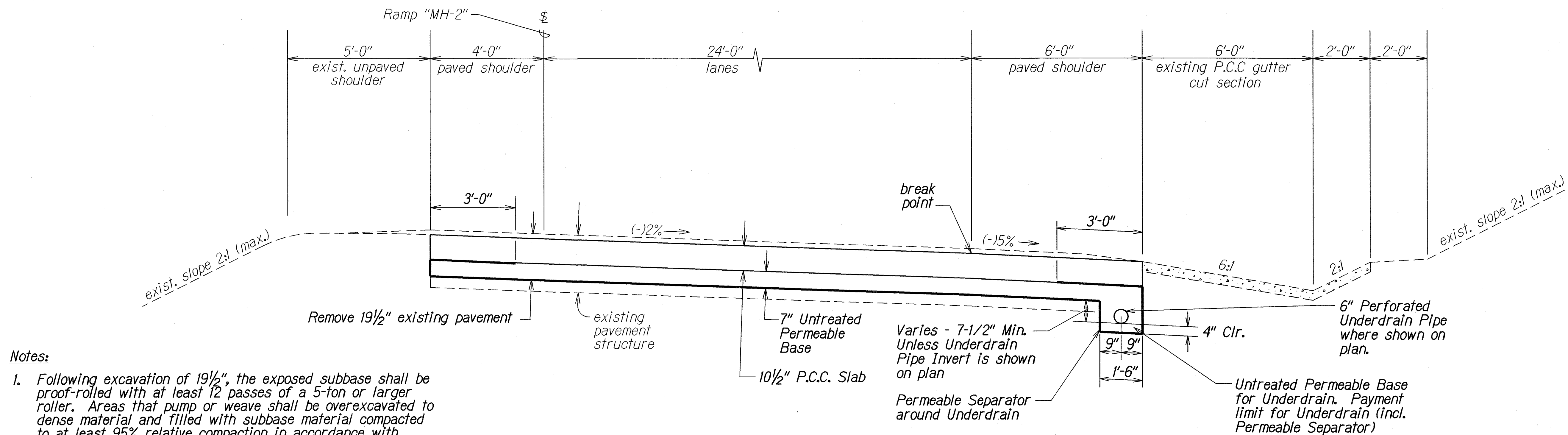


TYPICAL SUPERELEVATED SECTION - KA UKA BOULEVARD
END BRIDGE TO STA. 55+65.25
 Scale: 1/4" = 1'-0"

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TYPICAL SECTION
 INTERSTATE ROUTE H-2 REHABILITATION
 Waipio Interchange & Mililani Interchange,
 On/Off Ramps, Ka Uka Blvd. & Meheula Parkway
 Overpasses, & Kipapa Stream Bridge
 Federal Aid Project No. IM-H2-1(33)
 Scale: 1/4" = 1'-0" Date: December, 2006
 SHEET No. 6 OF 11 SHEETS

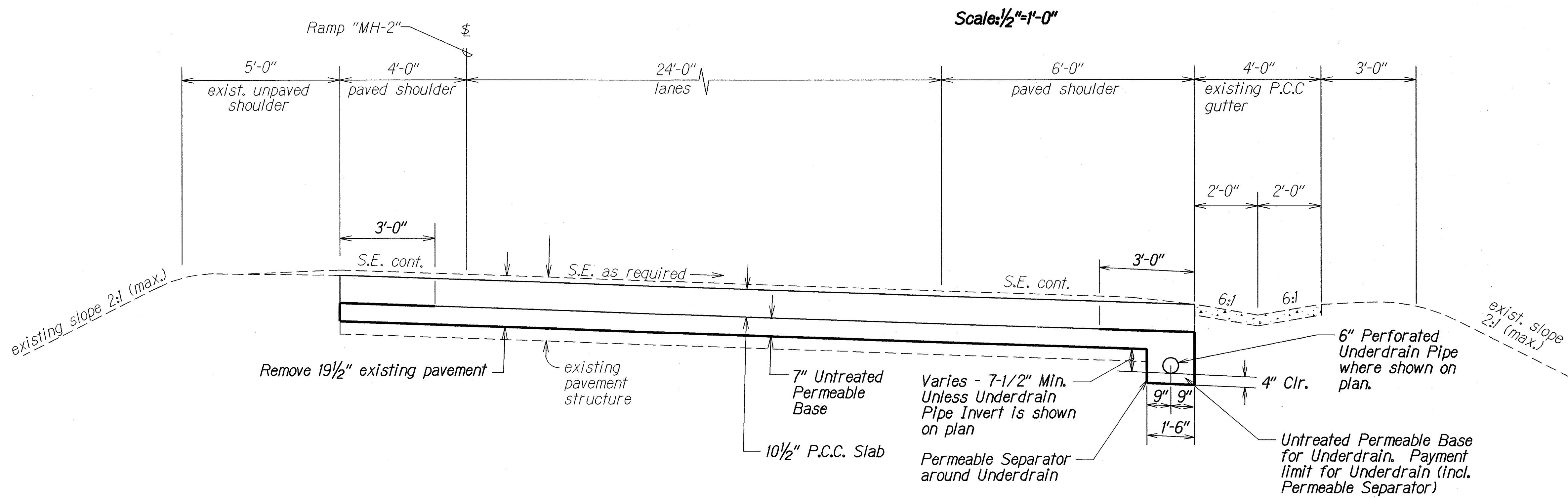
SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(33)	2007	C.O. 13	168



- Notes:**
- Following excavation of 19 1/2", the exposed subbase shall be proof-rolled with at least 12 passes of a 5-ton or larger roller. Areas that pump or weave shall be overexcavated to dense material and filled with subbase material compacted to at least 95% relative compaction in accordance with AASHTO T180.
 - Do not install underdrains and permeable separator fabric from Sta. 5+00 to Sta. 7+50. Use aggregate subbase instead of permeable base.

TYPICAL SECTION - MILILANI INTERCHANGE, RAMP MH-2
± STA. 5+00± TO INTERSTATE RTE H-2 ± STA. 215+50±

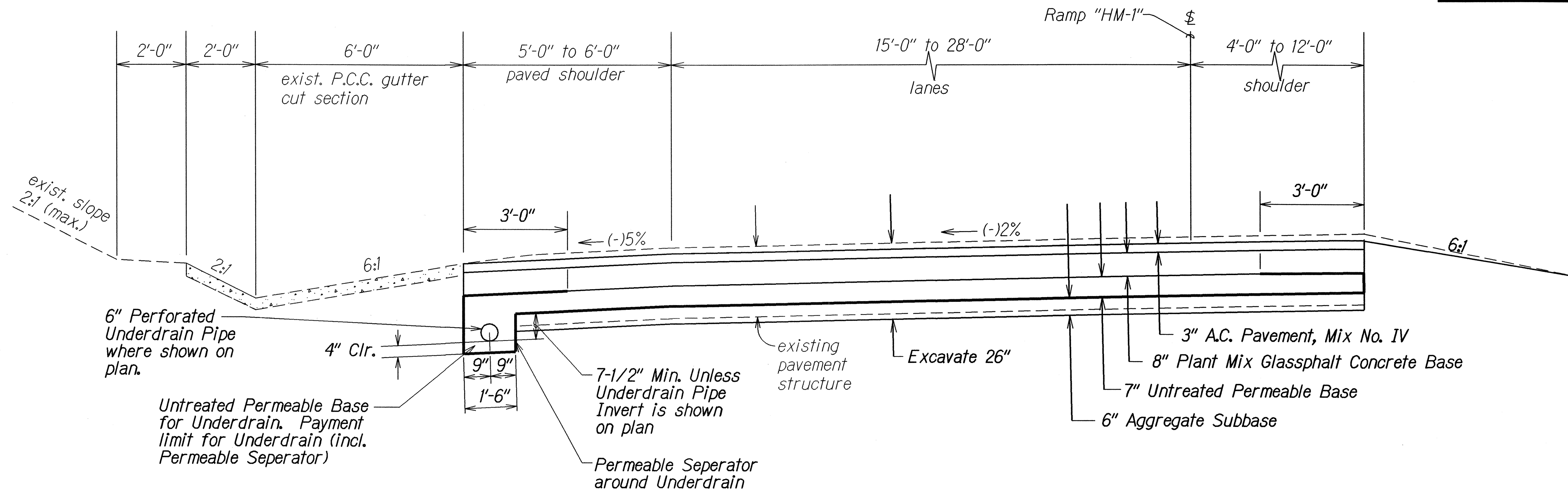


TYPICAL SUPERELEVATED SECTION - MILILANI INTERCHANGE, RAMP MH-2
± STA. 5+00± TO INTERSTATE RTE H-2 ± STA. 215+50±

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	

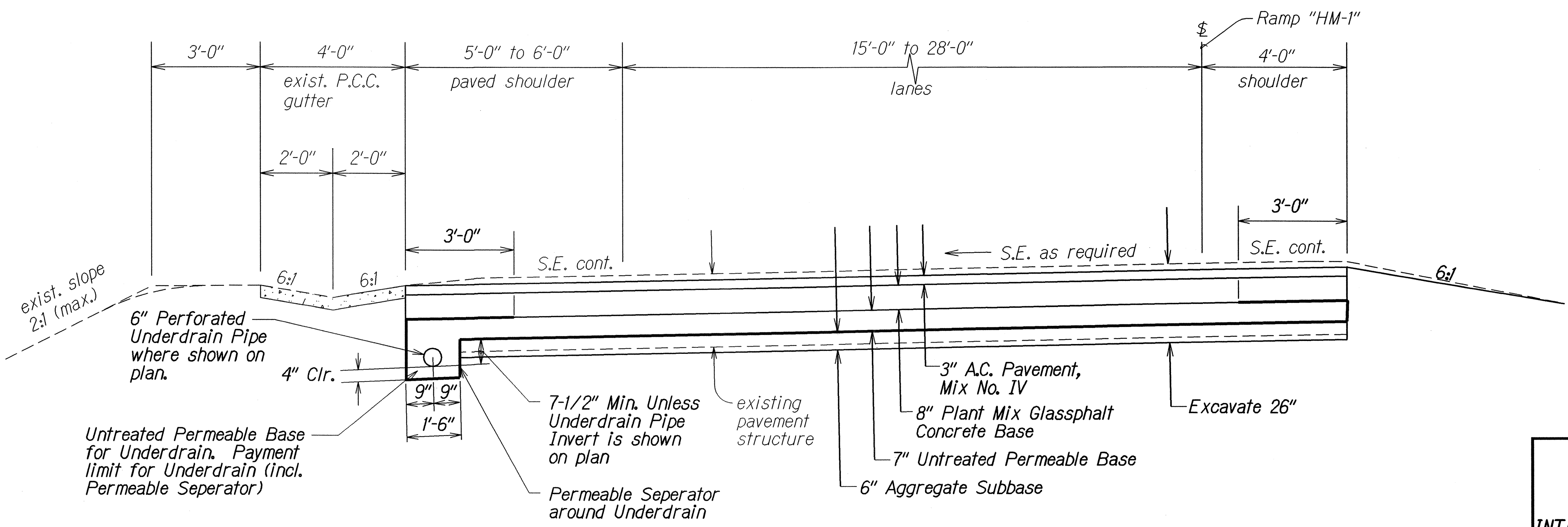
4/15/08	Added Note.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION TYPICAL SECTION INTERSTATE ROUTE H-2 REHABILITATION Waipio Interchange ± Mililani Interchange, On/Off Ramps, Ka Uka Blvd. ± Meheula Parkway Overpasses, ± Kipapa Stream Bridge Federal Aid Project No. IM-H2-1(33) Scale: 1/2"=1'-0" Date: December, 2006	
SHEET No. 7 OF 11 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(33)	2007	14	168



TYPICAL SECTION - MILILANI INTERCHANGE, RAMP HM-1
± STA. 6+15± TO ± STA. 15+50±
 Scale: 1/2"=1'-0"

Note: Glassphalt Concrete Base shall be constructed in 2 equal lifts.
 Apply tack coat between lifts.

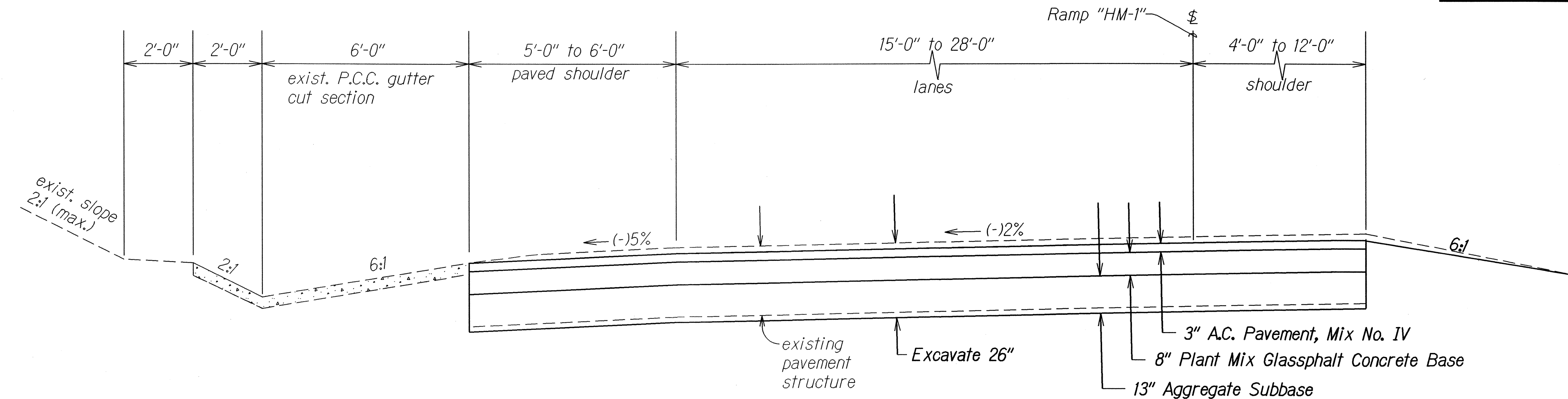


TYPICAL SUPERELEVATED SECTION - MILILANI INTERCHANGE, RAMP HM-1
± STA. 6+15± TO ± STA. 15+50±
 Scale: 1/2"=1'-0"

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TYPICAL SECTION
 INTERSTATE ROUTE H-2 REHABILITATION
 Waipio Interchange & Mililani Interchange,
 On/Off Ramps, Ka Uka Blvd. & Meheula Parkway
 Overpasses, & Kipapa Stream Bridge
 Federal Aid Project No. IM-H2-1(33)
 Scale: 1/2"=1'-0" Date: December, 2006
 SHEET No. 8 OF 11 SHEETS

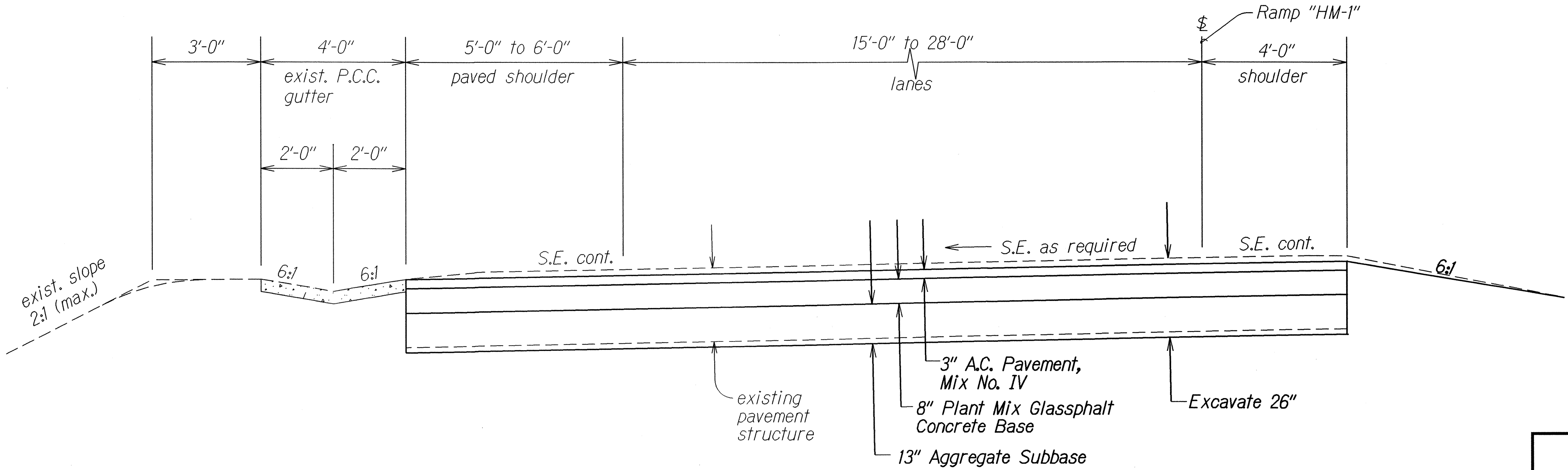
DESIGNED BY	DATE
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(33)	2007	15	168



TYPICAL SECTION - MILILANI INTERCHANGE, RAMP HM-1
± STA. 15+50± TO INTERSTATE RTE H-2 ± STA. 209+84±
 Scale: 1/2"=1'-0"

Note: Glassphalt Concrete Base shall be constructed in 2 equal lifts.
 Apply tack coat between lifts.

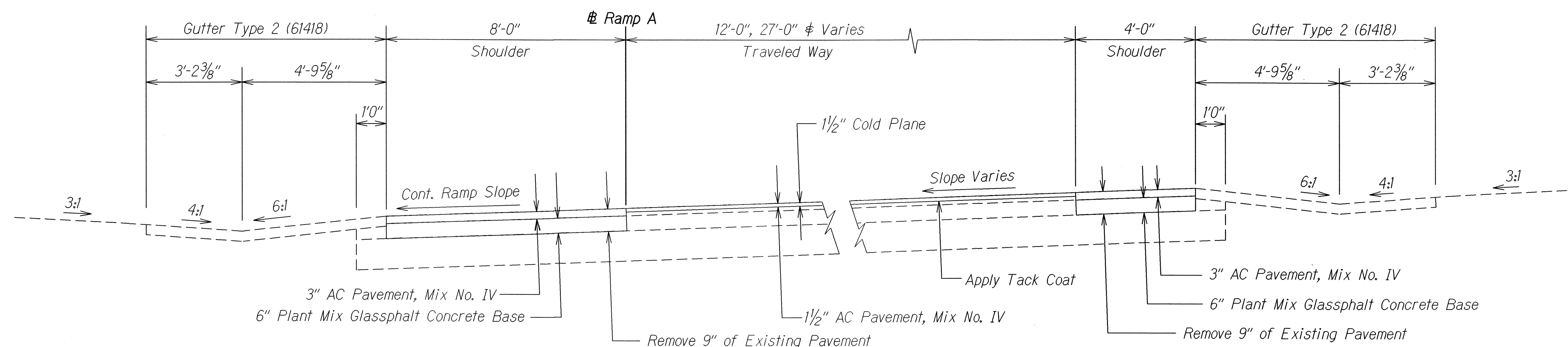


TYPICAL SUPERELEVATED SECTION - MILILANI INTERCHANGE, RAMP HM-1
± STA. 15+50± TO INTERSTATE RTE H-2 ± STA. 209+84±
 Scale: 1/2"=1'-0"

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TYPICAL SECTION
 INTERSTATE ROUTE H-2 REHABILITATION
 Waipio Interchange ± Mililani Interchange,
 On/Off Ramps, Ka Uka Blvd. ± Meheula Parkway
 Overpasses, ± Kipapa Stream Bridge
 Federal Aid Project No. IM-H2-1(33)
 Scale: 1/2"=1'-0" Date: December, 2006

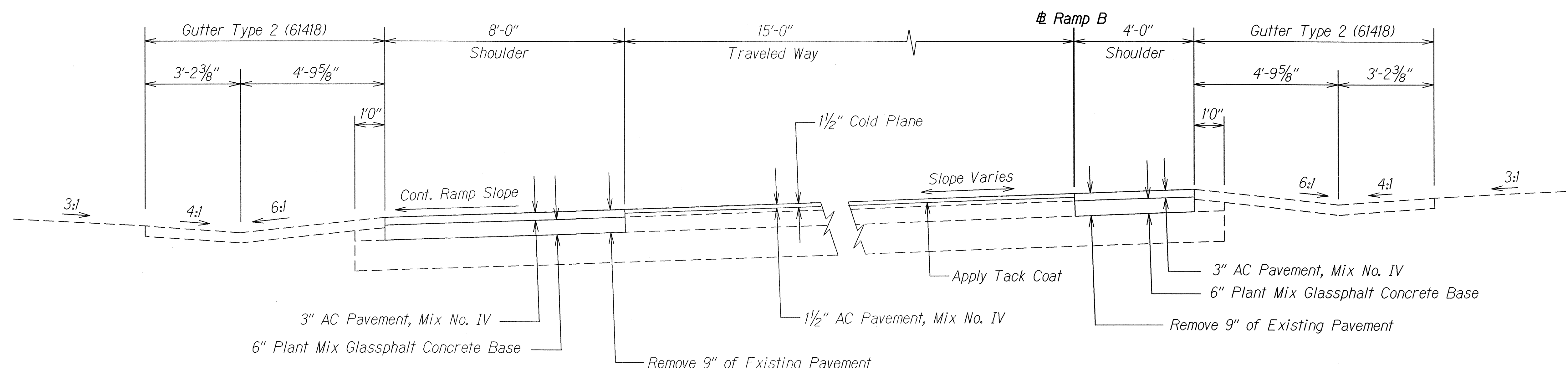
DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
REVISIONS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(33)	2006	17	168



TYPICAL SECTION - MILILANI INTERCHANGE, RAMP A
± STA. 10+86± TO ± STA. 31+54.15±
 Scale: 1/2"=1'-0"

Note: Apply Tack Coat to All Vertical Tie-In Edges.



TYPICAL SECTION - MILILANI INTERCHANGE, RAMP B
± STA. 8+36.98± TO ± STA. 29+00±
 Scale: 1/2"=1'-0"

ORIGINAL PLAN	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TYPICAL SECTION
 INTERSTATE ROUTE H-2 REHABILITATION
 Waipio Interchange & Mililani Interchange,
 On/Off Ramps, Ka Uka Blvd. & Meheula Parkway
 Overpasses, & Kipapa Stream Bridge
 Federal Aid Project No. IM-H2-1(33)
 Scale: 1/2"=1'-0" Date: December, 2006
 SHEET No. 17 OF 17 SHEETS