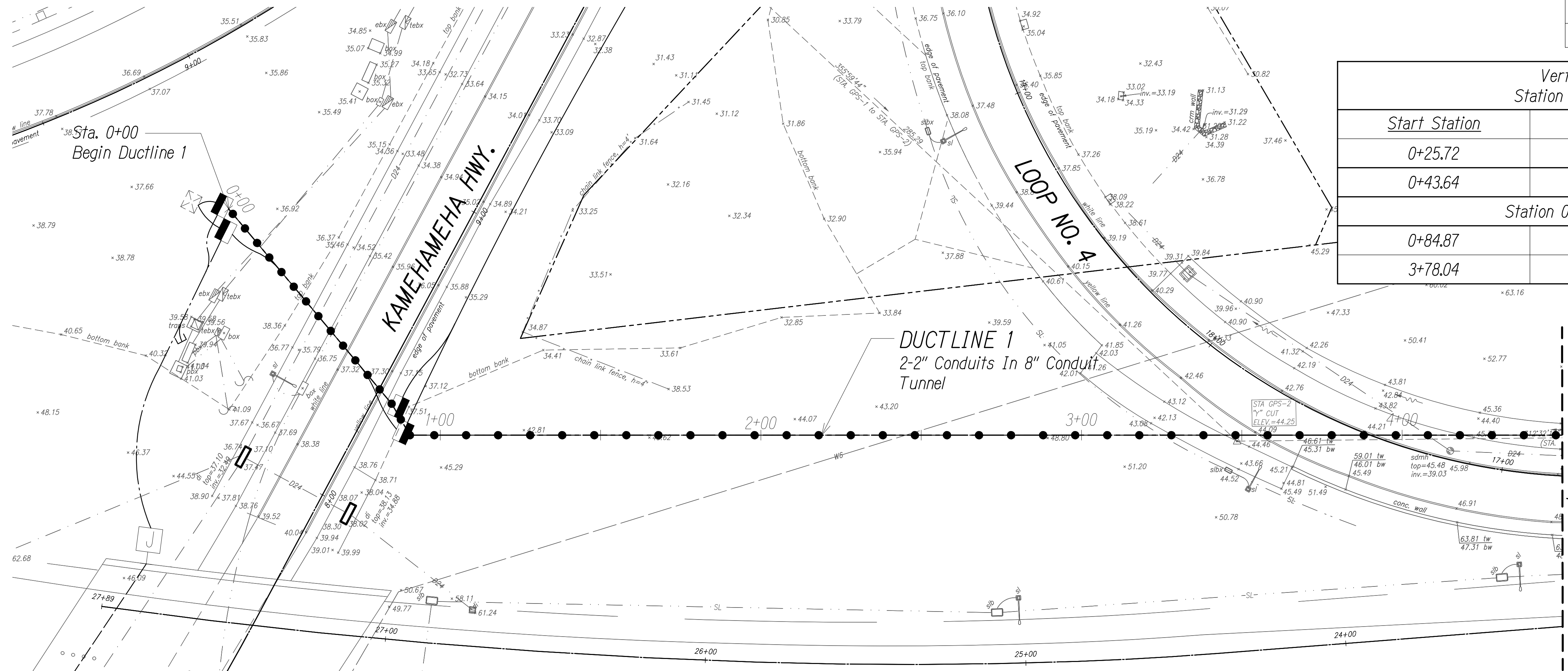
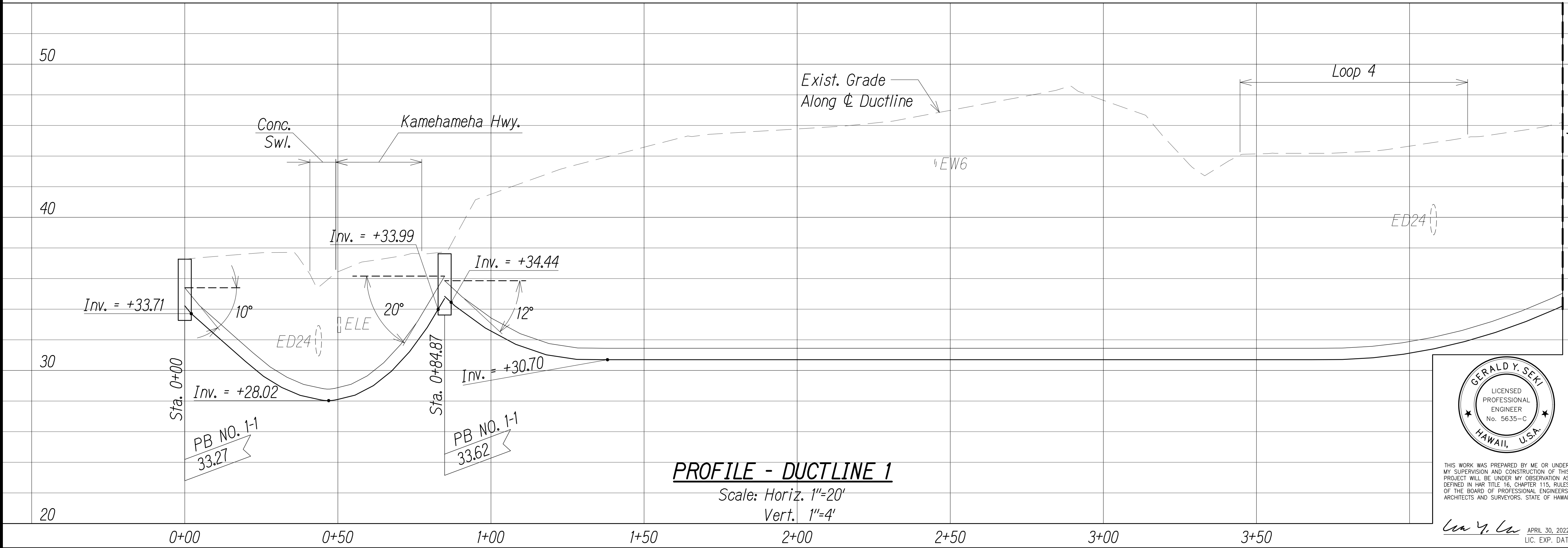


DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	NH-0300(152)	2021	151	170

Vertical Curve Summary Station 0+00 to Station 0+84.87		
Start Station	End Station	Radius (Feet)
0+25.72	0+43.64	150.0
0+43.64	0+84.87	110.0
Station 0+84.87 to Station 5+46.77		
0+84.87	1+34.83	263.3
3+78.04	5+46.77	832.9



PLAN - DUCTLINE 1
Scale: 1"=20'



PROFILE - DUCTLINE 1
Scale: Horiz. 1"=20'
Vert. 1"=4'

MATCH LINE @ STA. 4+50
For Continuation, See Sht. PP-2

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HDD PLAN AND PROFILE
DUCTLINE 1
Freeway Management System, Phase 3,
Unit 1
Federal Aid Project No. NH-0300(152)

Scale: As Shown Date: June 25, 2021

GERALD Y. SEKI
LICENSED
PROFESSIONAL
ENGINEER
No. 5635-C
HAWAII, U.S.A.

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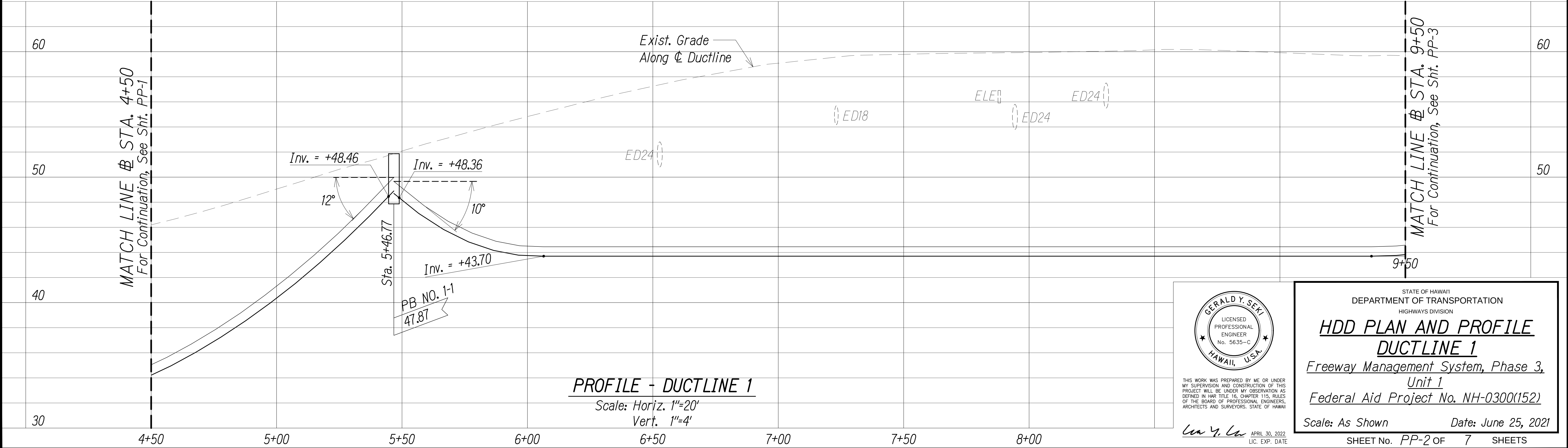
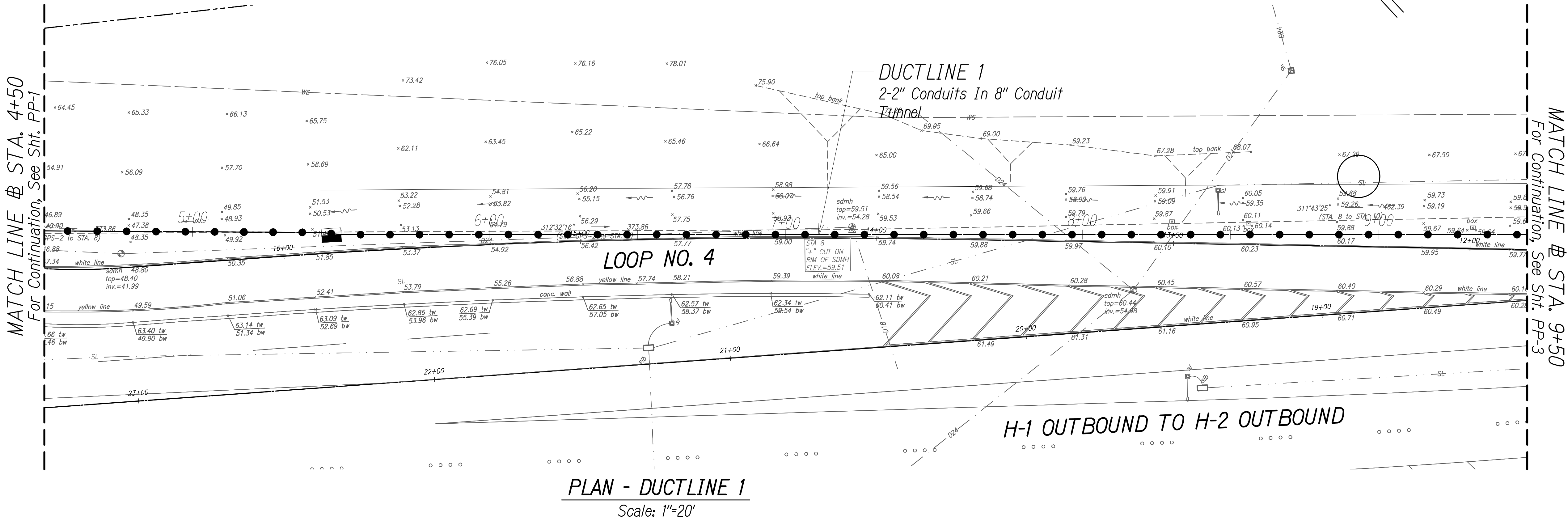
APRIL 30, 2022
LIC. EXP. DATE

SHEET NO. PP-1 OF 7 SHEETS

151

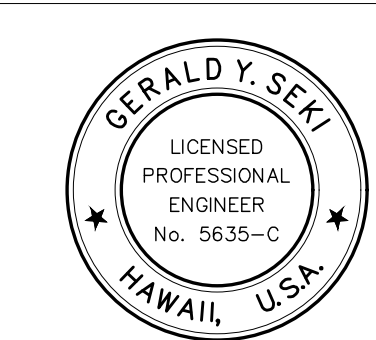
DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	NH-0300(152)	2021	152	170

Vertical Curve Summary Station 5+46.77 to Station 10+73.49		
Start Station	End Station	Radius (Feet)
5+46.77	6+06.48	329.1
9+36.48	10+73.49	789.9



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

P:\DRAWINGS\WORKING\881-1\ROAD\FREWAY_MANAGEMENT_SYSTEM_-_PHASE_3\PP-2_PLAN & PROFILE - DUCTLINE 1-2.DWG Jul 20, 2021-3:54 PM



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APRIL 30, 2022
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**HDD PLAN AND PROFILE
DUCTLINE 1**

Freeway Management System, Phase 3,
Unit 1

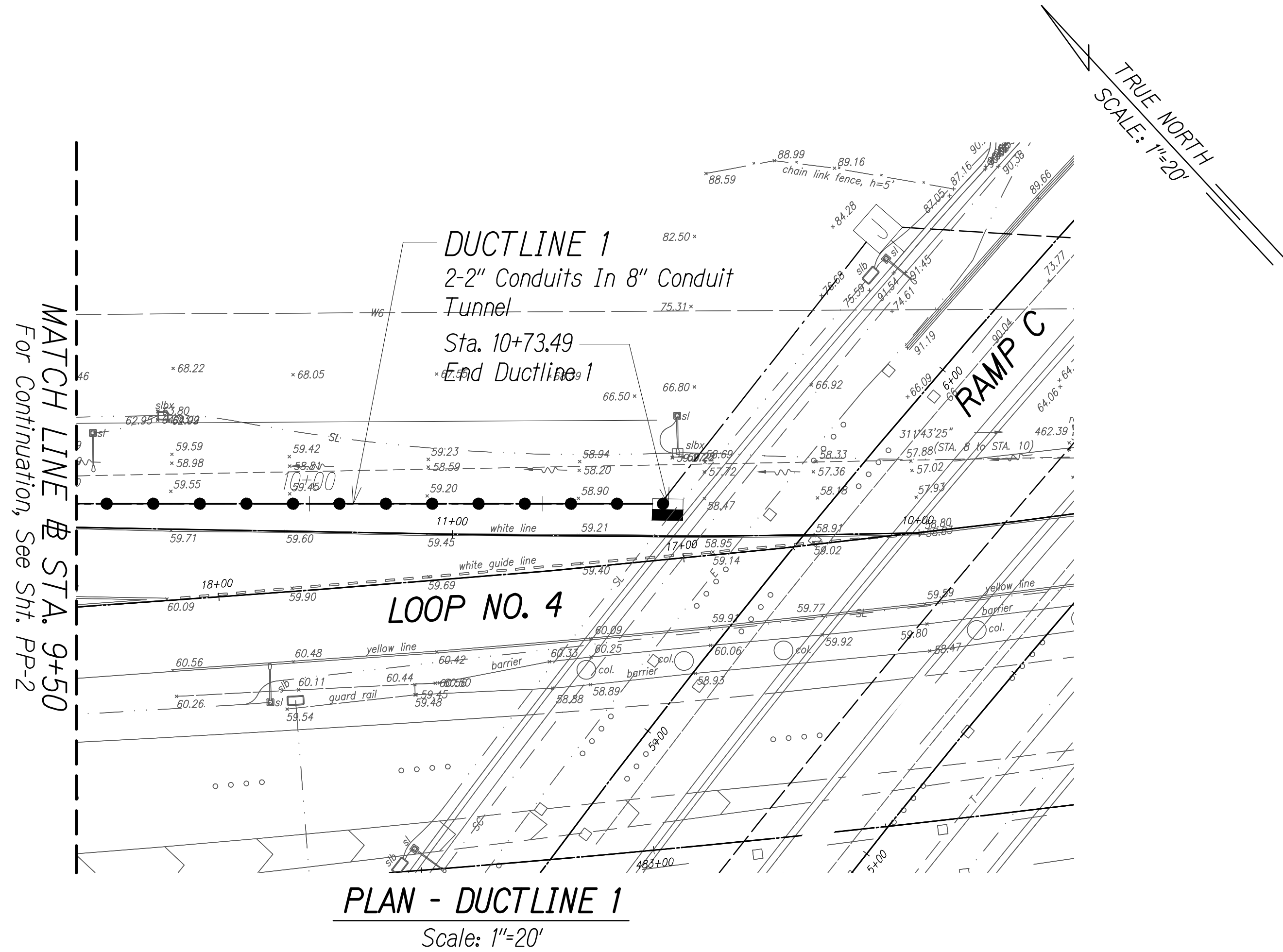
Federal Aid Project No. NH-0300(152)

Scale: As Shown Date: June 25, 2021

SHEET No. PP-2 OF 7 SHEETS

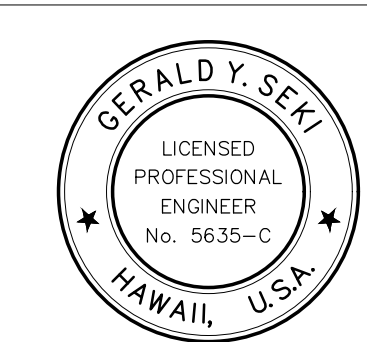
DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	NH-0300(152)	2021	153	170

Vertical Curve Summary Station 5+46.77 to Station 10+73.49		
Start Station	End Station	Radius (Feet)
5+46.77	6+06.48	329.1
9+36.48	10+73.49	789.9



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

PP-3 (DRAWING WORKING) 0801 - ROAD FREIGHTWAY MANAGEMENT SYSTEM - PHASE 3, PP-3 PLAN & PROFILE - DUCTLINE 1 - 1.DWG Jul 20, 2021 - 4:05 PM



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APRIL 30, 2022
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HDD PLAN AND PROFILE
DUCTLINE 1
Freeway Management System, Phase 3,
Unit 1
Federal Aid Project No. NH-0300(152)

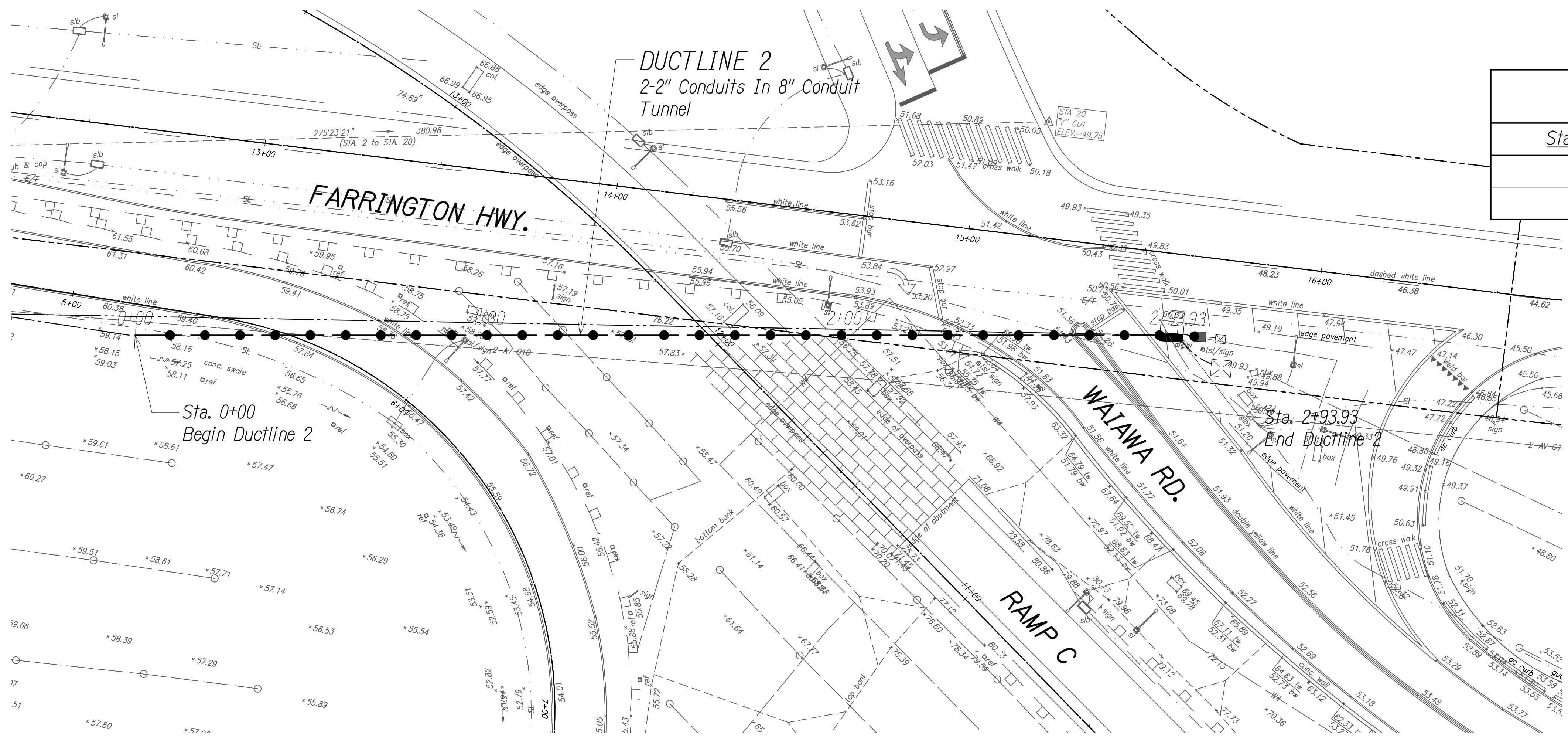
Scale: As Shown Date: June 25, 2021

SHEET No. PP-3 OF 7 SHEETS

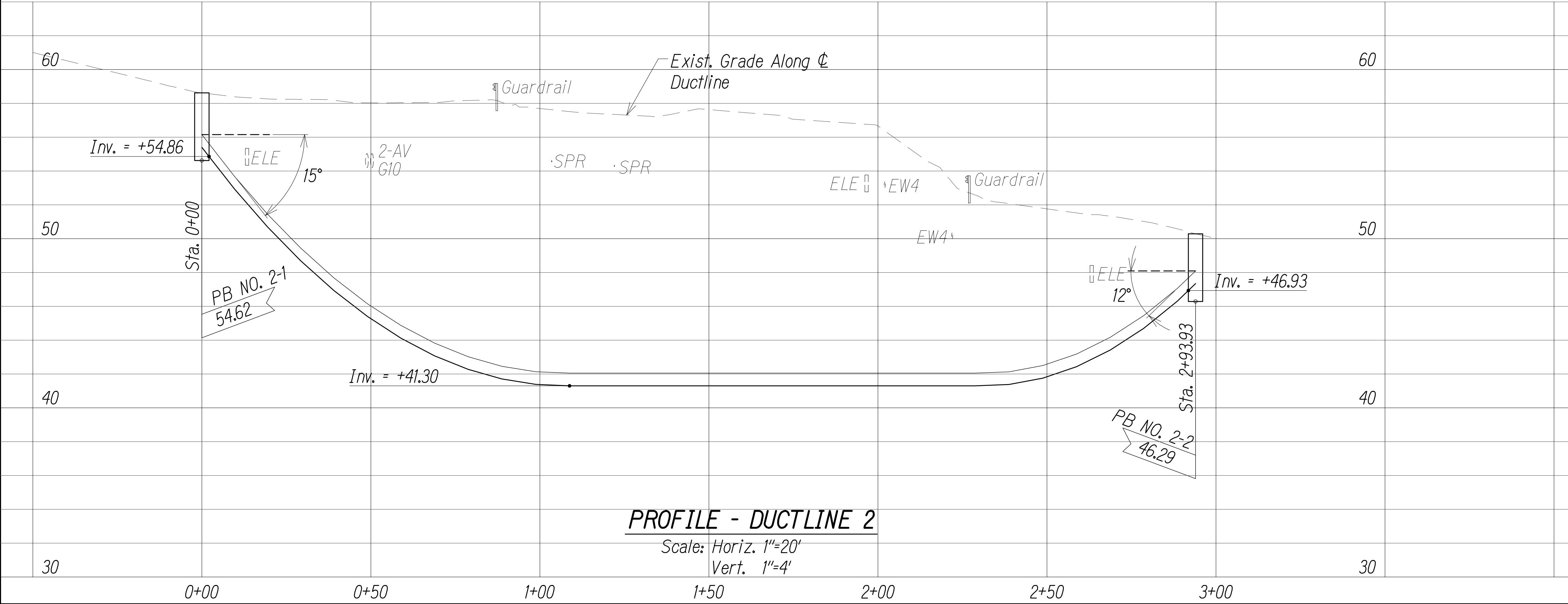
DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	NH-0300(152)	2021	154	170

Vertical Curve Summary
Station 0+00 to Station 2+93.93

Start Station	End Station	Radius (Feet)
0+00	1+08.77	413.8
2+38.77	2+93.93	326.6



PLAN - DUCTLINE 2
Scale: 1"=20'



PROFILE - DUCTLINE 2
Scale: Horiz. 1"=20'
Vert. 1"=4'

DATE	____
DESIGNED BY	____
TRACED BY	____
DESIGNED BY	____
QUANTITIES BY	____
CHECKED BY	____
No.	____

PN:\DRAWINGS\WORKING\8801 - ROAD FREEMANAGEMENT SYSTEM - PHASE 3\PP-4 PLAN & PROFILE - DUCTLINE 2.DWG Jul 20, 2021 - 4:10 PM



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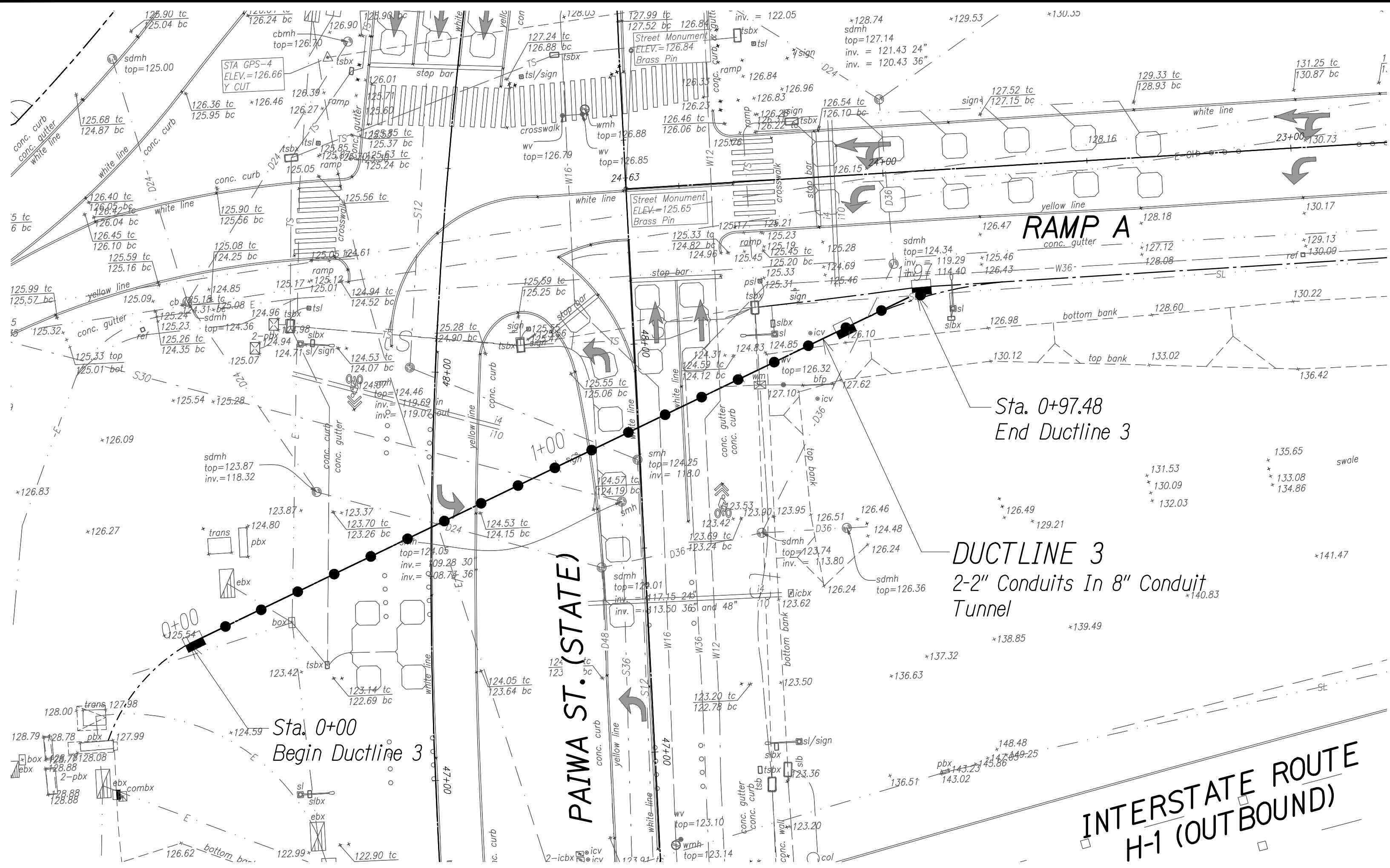
APRIL 30, 2022
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**HDD PLAN AND PROFILE
DUCTLINE 2**
Freeway Management System, Phase 3,
Unit 1
Federal Aid Project No. NH-0300(152)
Scale: As Shown Date: June 25, 2021
SHEET No. PP-4 OF 7 SHEETS

DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	NH-0300(152)	2021	155	170

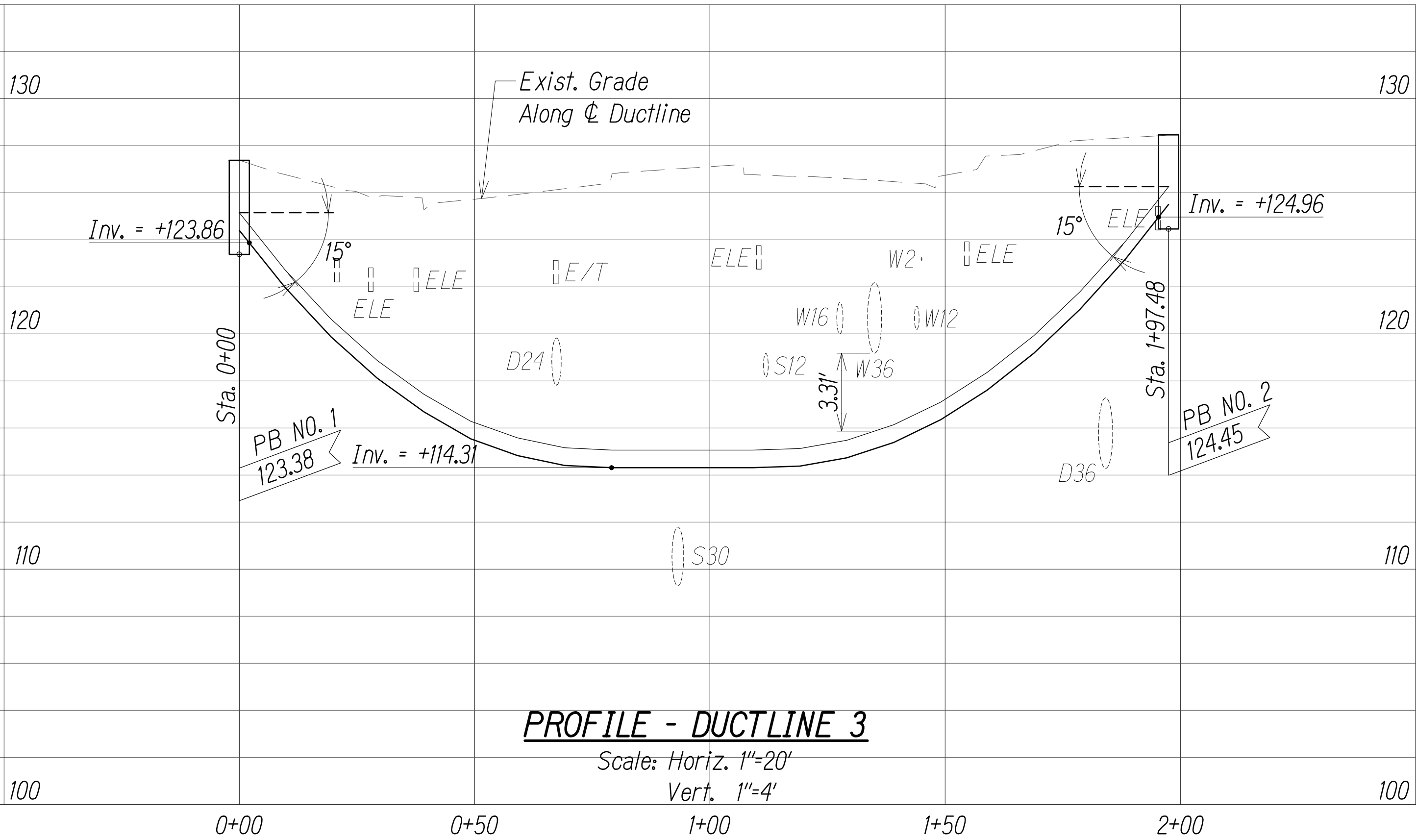
Vertical Curve Summary
Station 0+00 to Station 1+97.48

Start Station	End Station	Radius (Feet)
0+00	0+79.15	296.1
1+19.12	1+98.48	328.4



PLAN - DUCTLINE 3

Scale: 1"=20'



PROFILE - DUCTLINE 3

Scale: Horiz. 1"=20'

Vert. 1"=4'

Approved:

Manager and Chief Engineer, BWS
(For Work Affecting BWS
Facilities in City/State R/W and
BWS Easements only)

Date



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APRIL 30, 2022
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

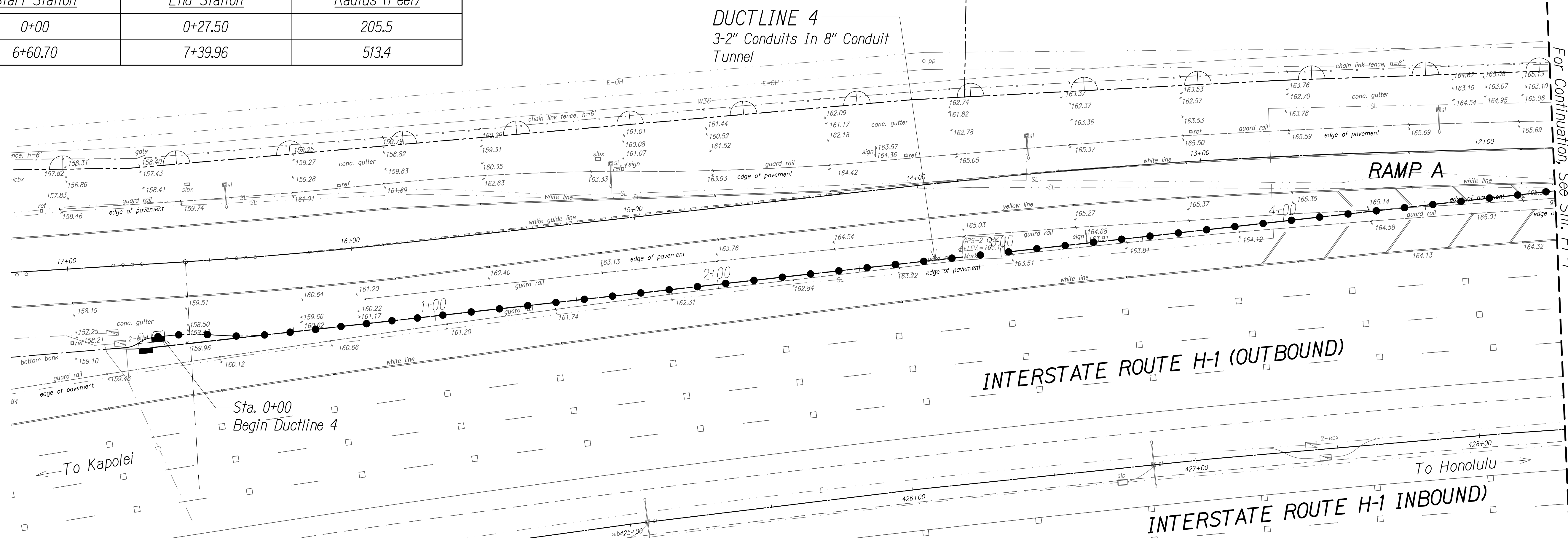
HDD PLAN AND PROFILE
DUCTLINE 3
Freeway Management System, Phase 3,
Unit 1
Federal Aid Project No. NH-0300(152)

Scale: As Shown Date: June 25, 2021

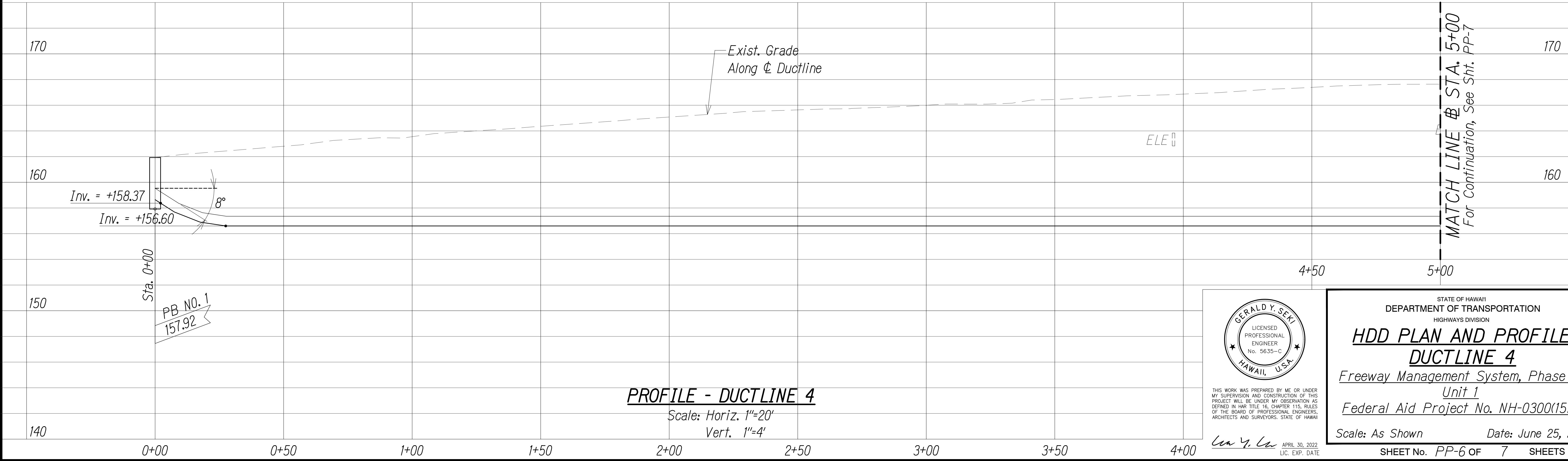
SHEET No. PP-5 OF 7 SHEETS

Vertical Curve Summary Station 0+00 to Station 7+39.96		
Start Station	End Station	Radius (Feet)
0+00	0+27.50	205.5
6+60.70	7+39.96	513.4

DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
OAHU	HAW.	NH-0300(152)	2021	156	170



PLAN - DUCTLINE 4
Scale: 1"=20'



PROFILE - DUCTLINE 4
Scale: Horiz. 1"=20'
Vert. 1"=4'

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

P:\DRAWINGS\WORKING\8801 - SOA\J. FREEMAN\MANAGEMENT SYSTEM - PHASE 3\PP-6 PLAN & PROFILE - DUCTLINE 4-1.DWG Jul 20, 2021-4:19 PM



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APRIL 30, 2022
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HDD PLAN AND PROFILE
DUCTLINE 4
Freeway Management System, Phase 3,
Unit 1
Federal Aid Project No. NH-0300(152)

Scale: As Shown Date: June 25, 2021

SHEET No. PP-6 OF 7 SHEETS

