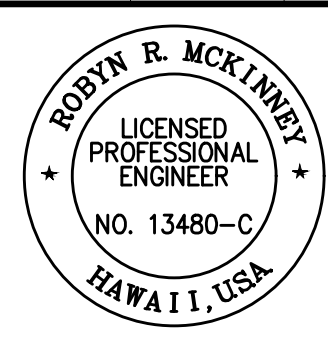


C:\CIVIL 3D PROJECTS\2012_153,000_KEAAU-PAHOA RD IMPR RTE130\ROUNDABOUT DESIGN\01 CIVIL DRAWINGS\02 ORCH AND MAKU\100 - 106 ROAD CROSS SECTIONS_ORCHLAND.DWG - 8/26/2020 5:54 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	100	116



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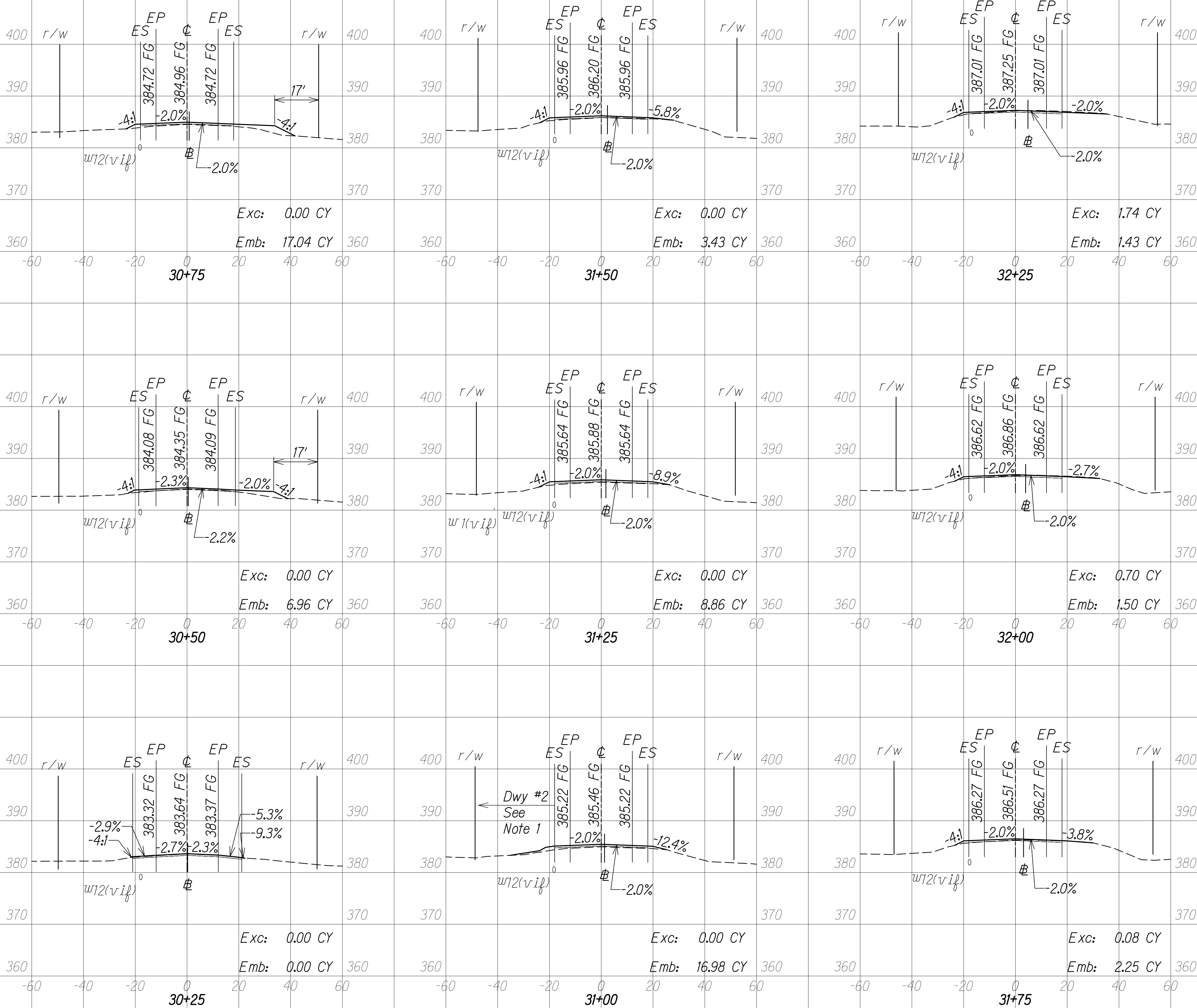
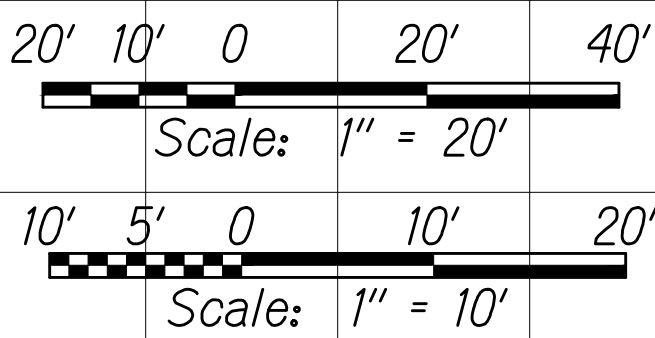
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ROADWAY CROSS SECTIONS

(KEAAU-PAHOA RD.)
Scale: Horiz. 1" = 20'
Vert. 1" = 10'

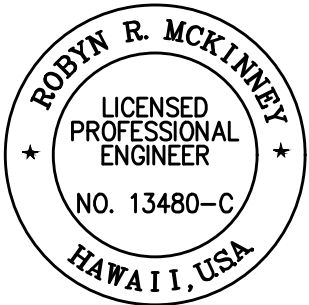
NOTE:
1. For driveway profiles and typical sections, see Shts. 46 to 49.

GRAPHIC SCALES:



C:\CIVIL 3D PROJECTS\2012_153.000_KEAAU-PAHOA RD IMPR RTE130\ROUNDABOUT DESIGN\01 CIVIL DRAWINGS\02 ORCH AND MAKU\100 - 106 ROAD CROSS SECTIONS_ORCHLAND.DWG - 8/26/2020 5:54 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	101	116



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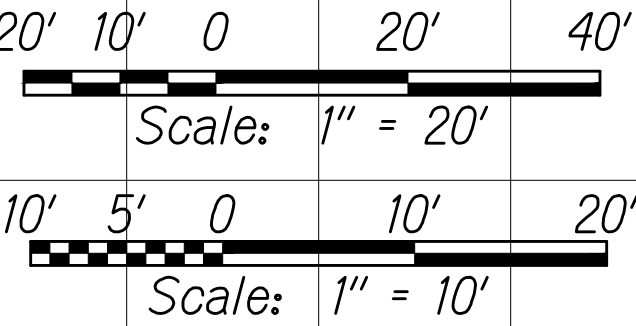
Robyn R. McKinney 04/30/22
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ROADWAY CROSS SECTIONS

(KEAAU-PAHOA RD.)

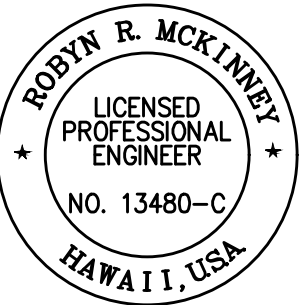
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Vert. 1" = 10'

GRAPHIC SCALES:



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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	102	116



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ROADWAY CROSS SECTIONS

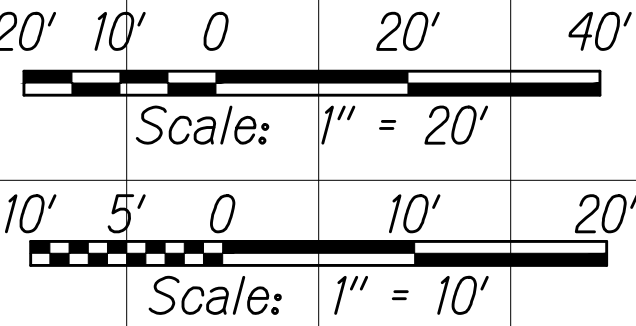
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Scale: Horiz. 1" = 20'
Vert. 1" = 10'

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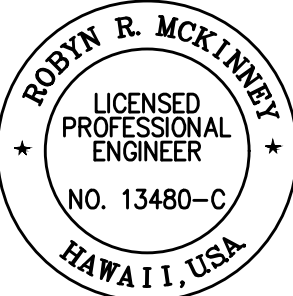
- For the Roundabout area, cross slope varies along section line and therefore not shown. For elevations and slopes in the Roundabout area, see Sht. 51.
- For driveway profiles and typical sections, see Shts. 46 to 49.
- For detailed bus bay grading, see Sht. 50.

GRAPHIC SCALES:



C:\CIVIL 3D PROJECTS\2012_153,000_KEAAU-PAHOA RD IMPR RTE\130\ROUNDABOUT DESIGN\01 CIVIL DRAWINGS\02 ORCH AND MAKU\100 - 106 ROAD CROSS SECTIONS_ORCHID.LAND.DWG - 8/25/2020 11:29 AM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	103	116



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ROADWAY CROSS SECTIONS

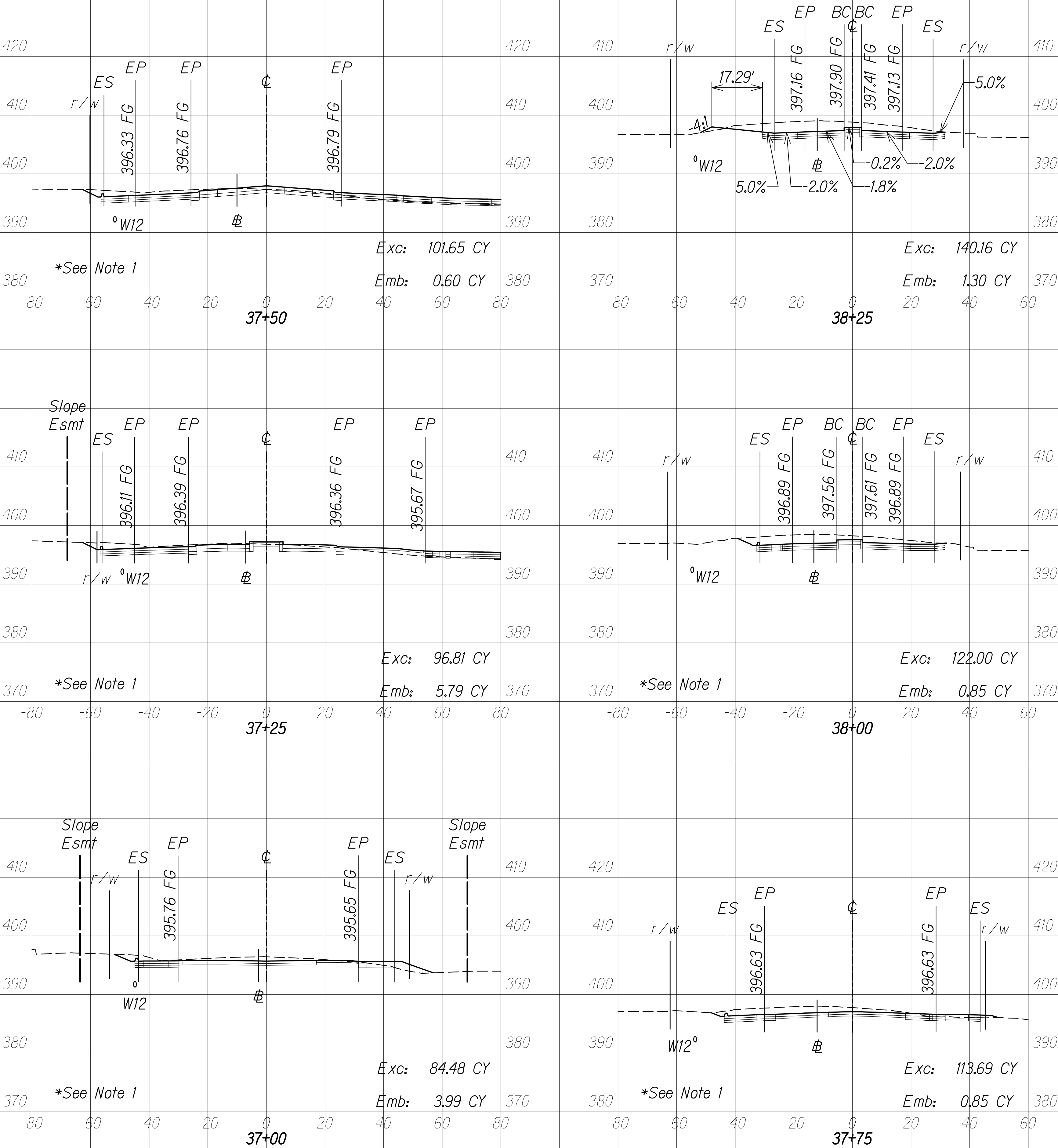
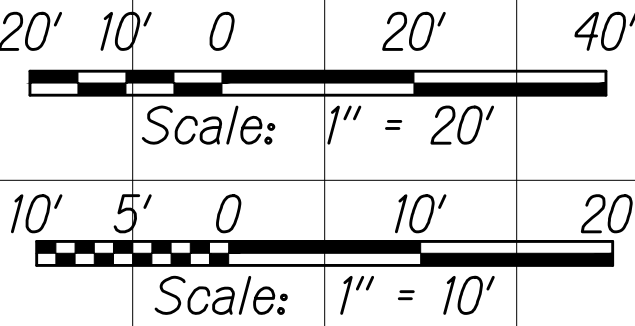
(KEAAU-PAHOA RD.)

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Vert. 1" = 10'

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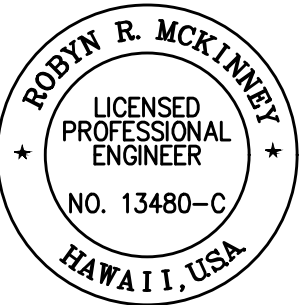
1. For the Roundabout area, cross slope varies along section line and therefore not shown. For elevations and slopes in the Roundabout area, see Sht. 51.

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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	104	116



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ROADWAY CROSS SECTIONS

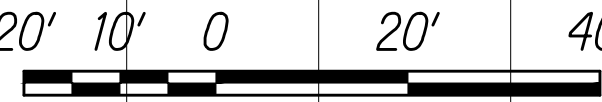
(KEAAU-PAHOA RD.)

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Vert. 1" = 10'

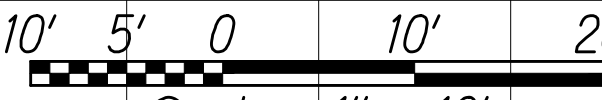
NOTE:

1. For detailed bus bay grading,
see Sht. 50.

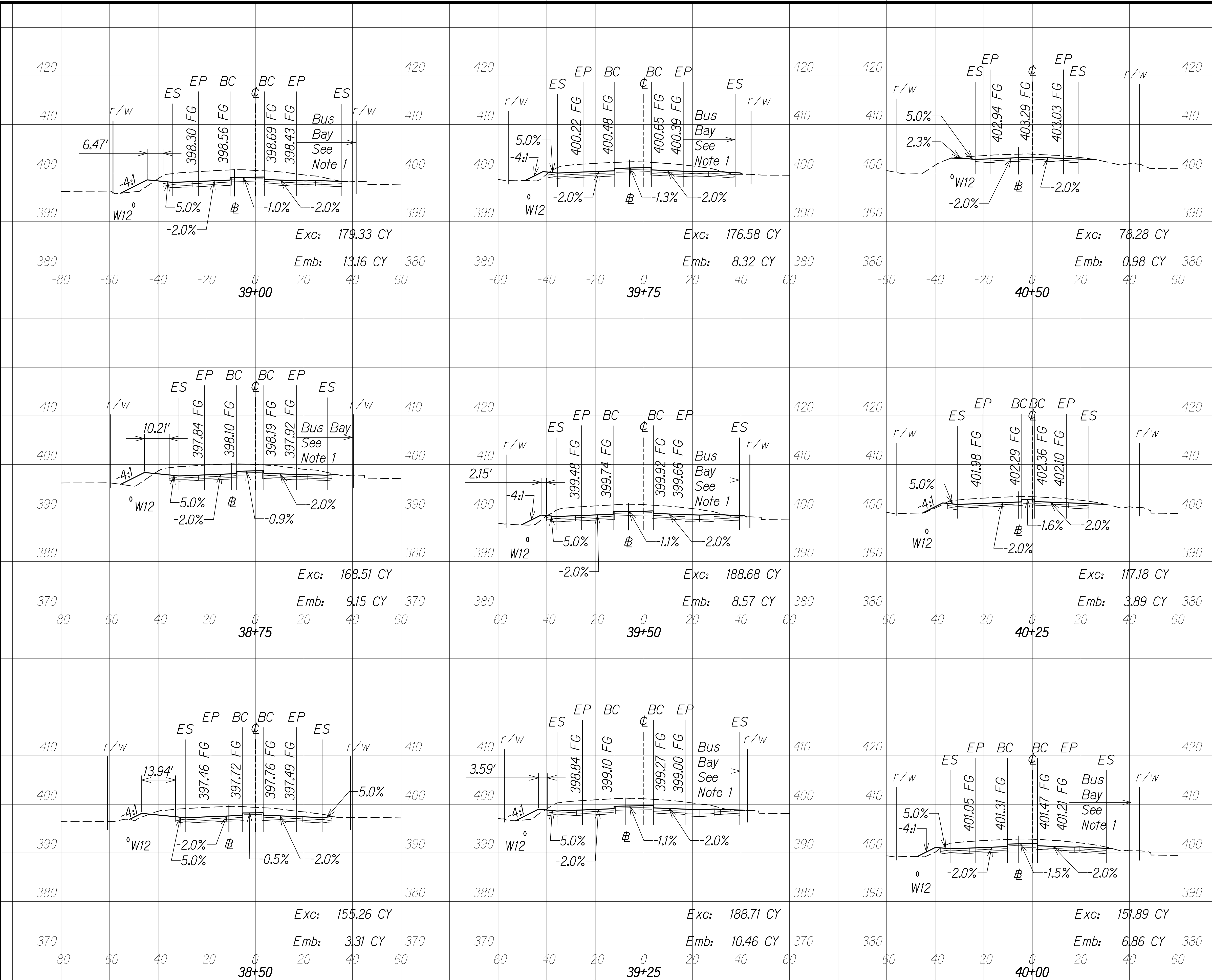
GRAPHIC SCALES:



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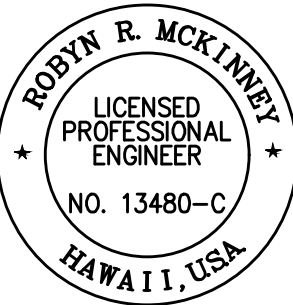


Scale: 1" = 10'



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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	105	116



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ROADWAY CROSS SECTIONS

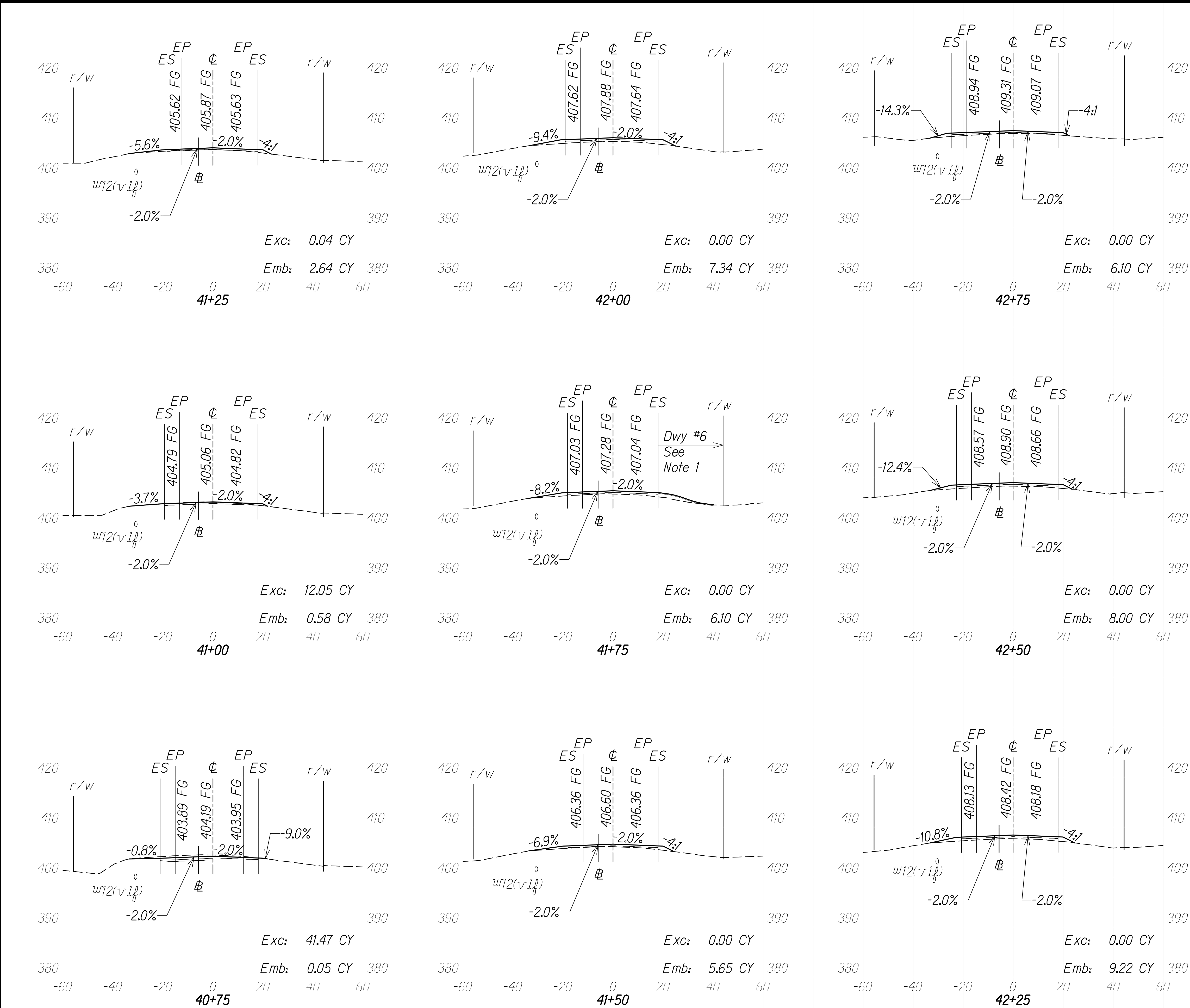
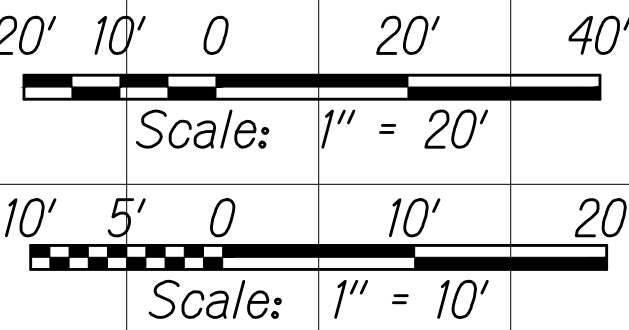
(KEAAU-PAHOA RD.)

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Vert. 1" = 10'

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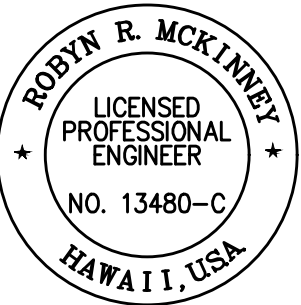
1. For driveway profiles and
typical sections, see Shts. 46 to
49.

GRAPHIC SCALES:



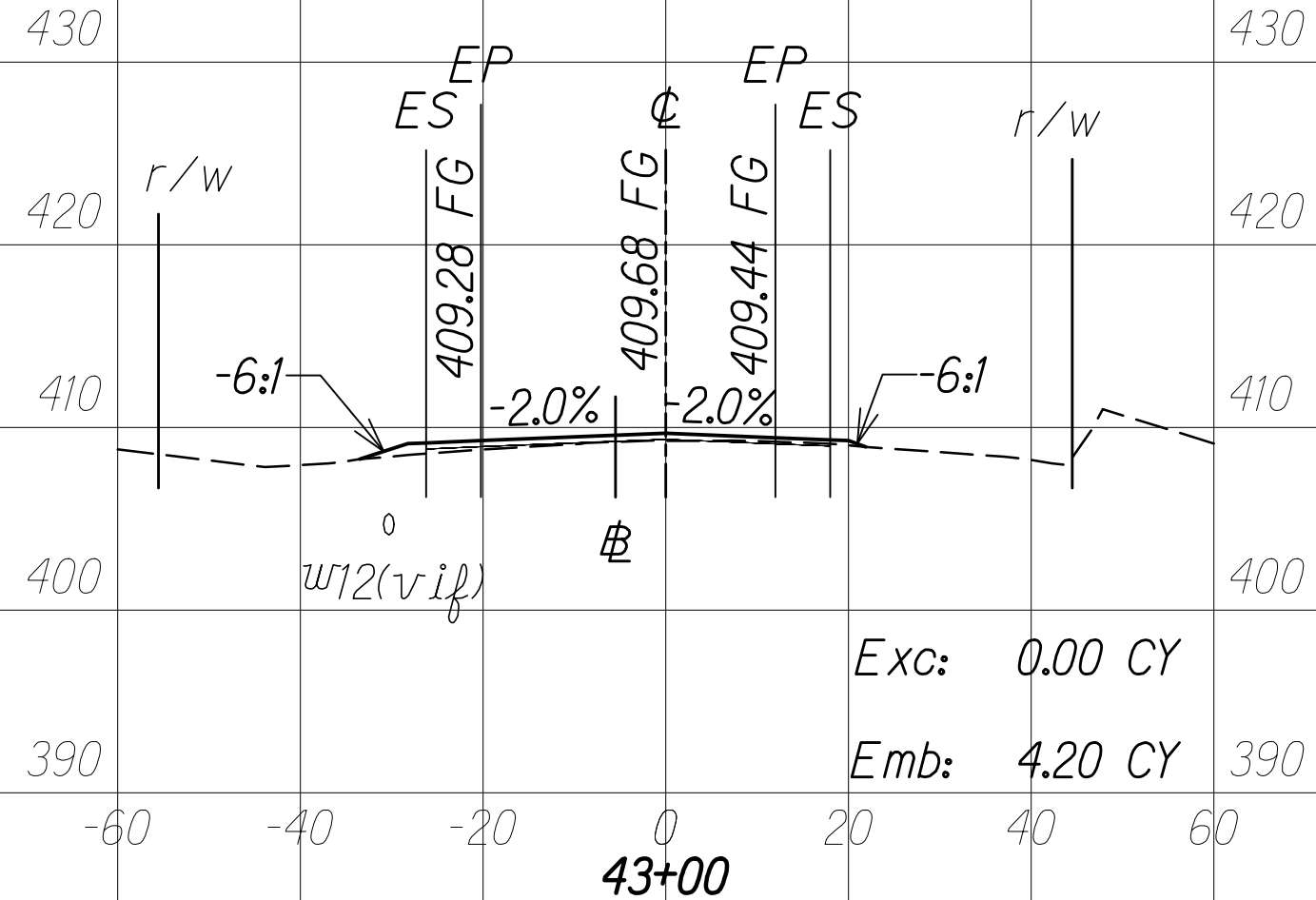
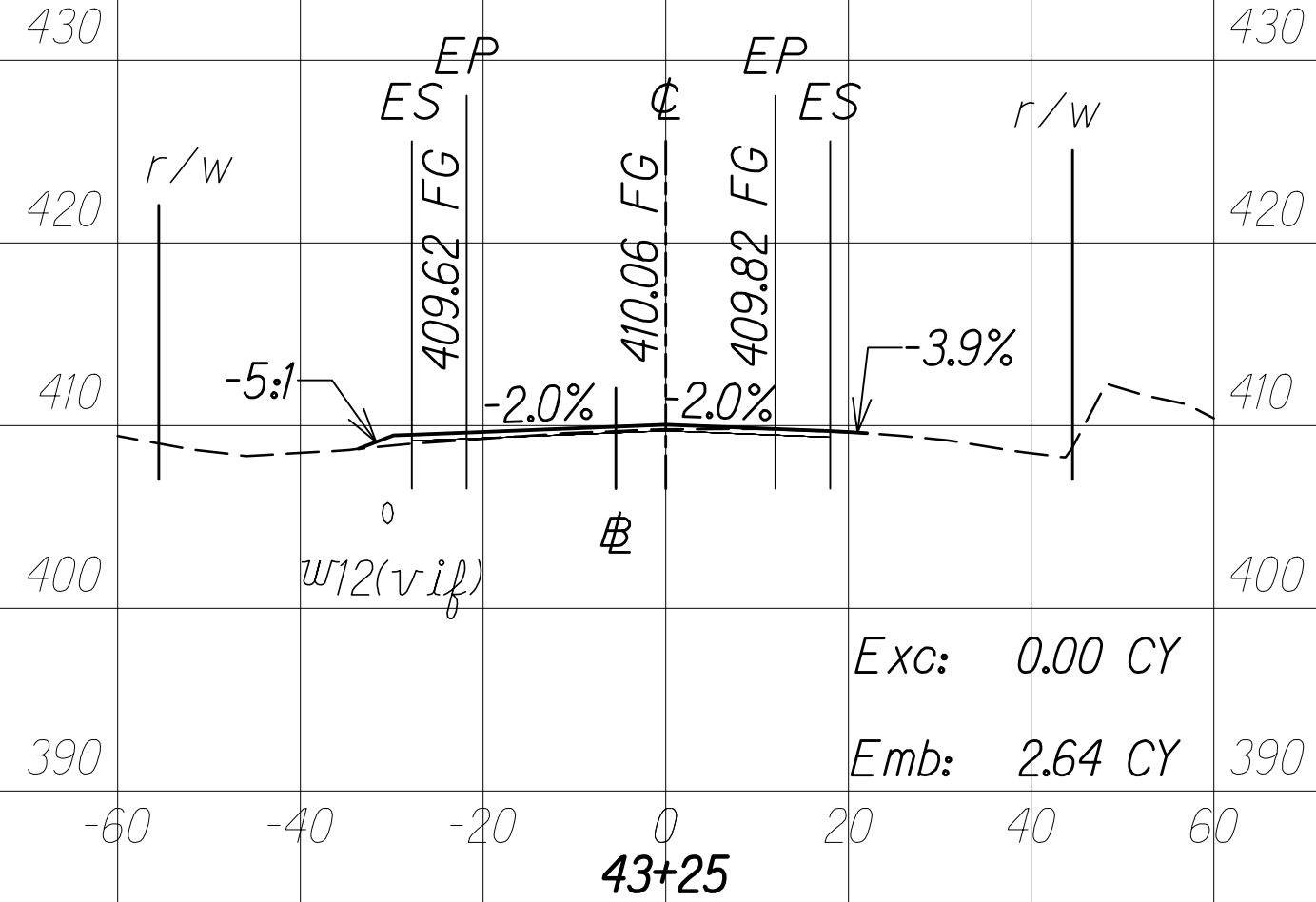
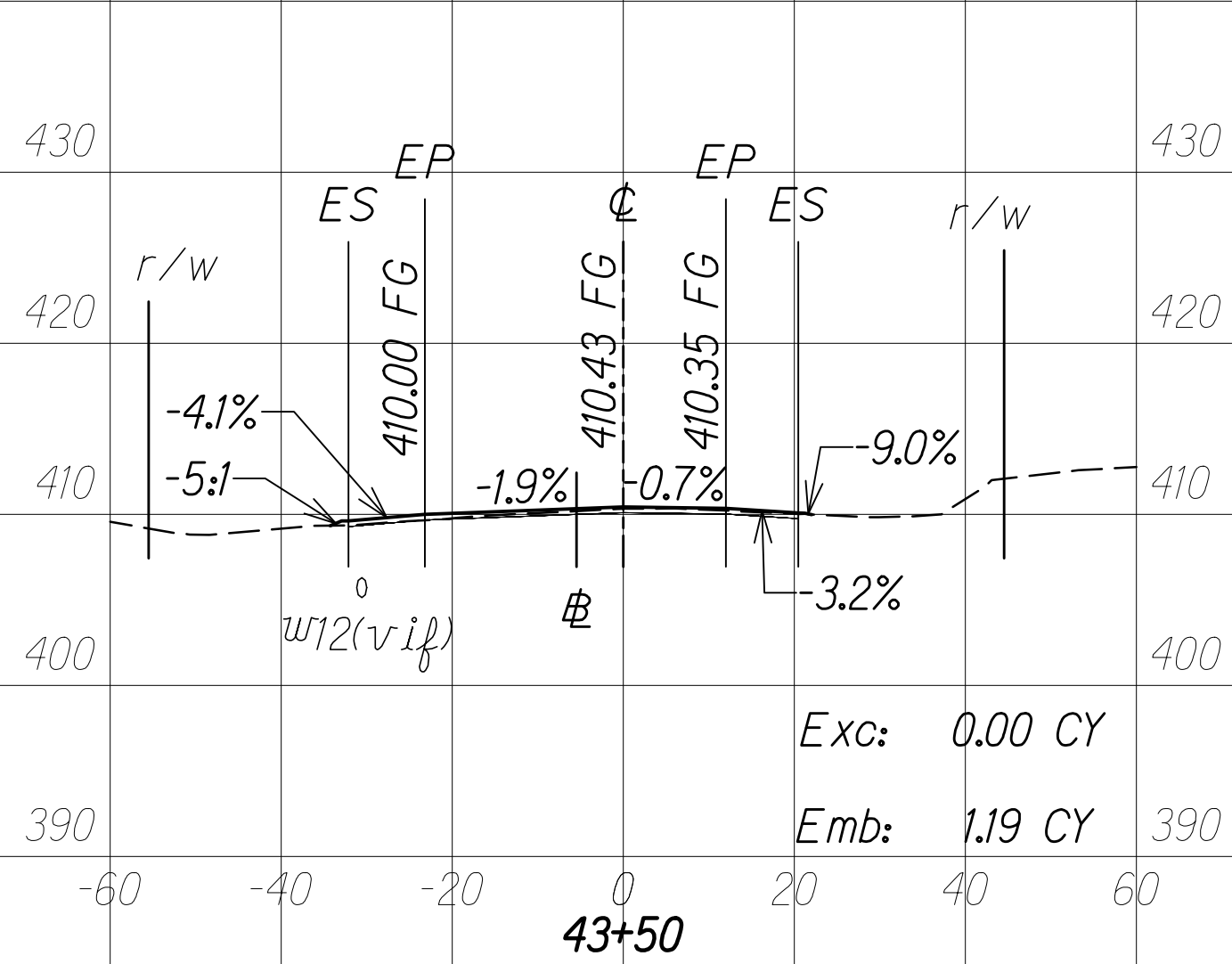
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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	106	116

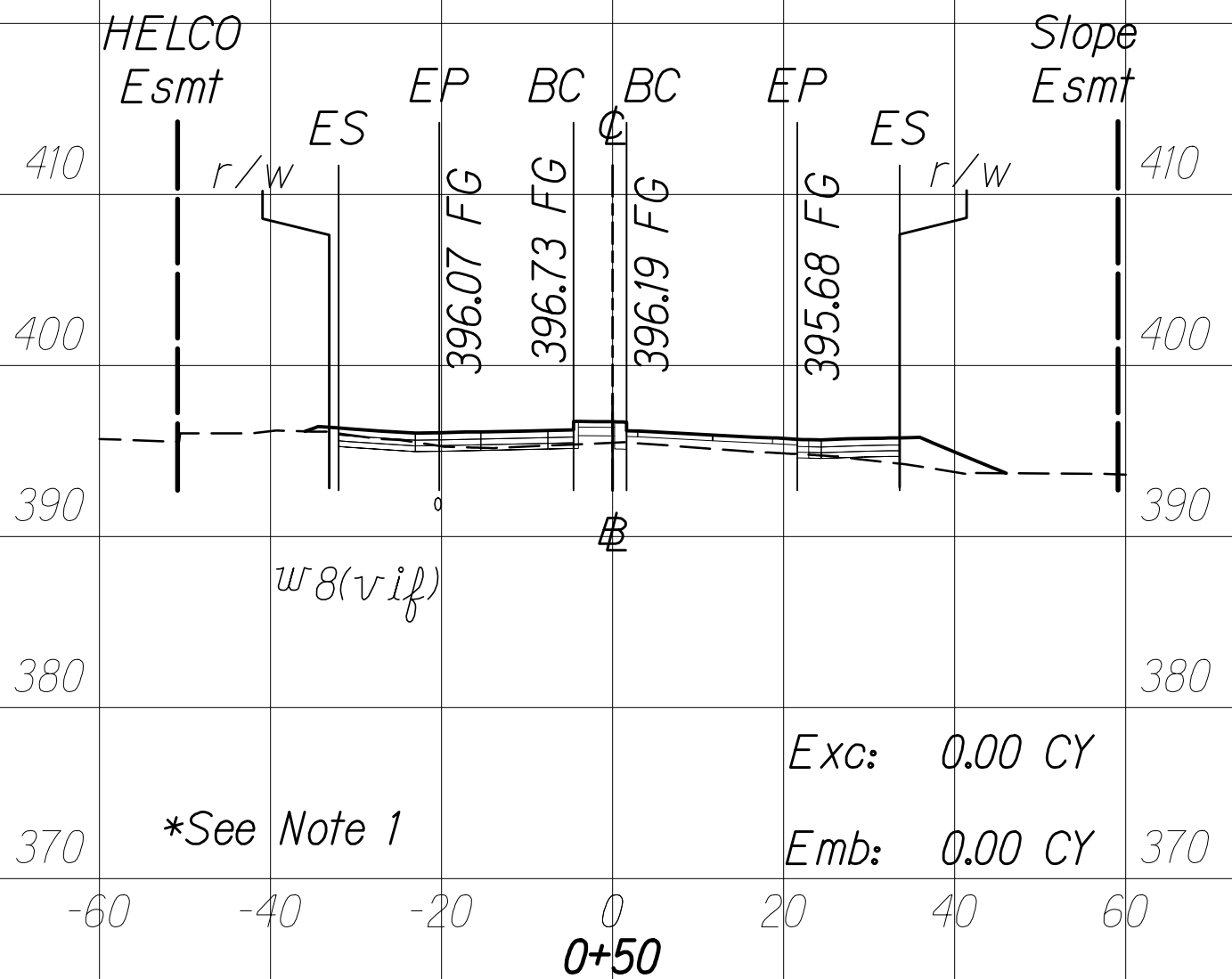
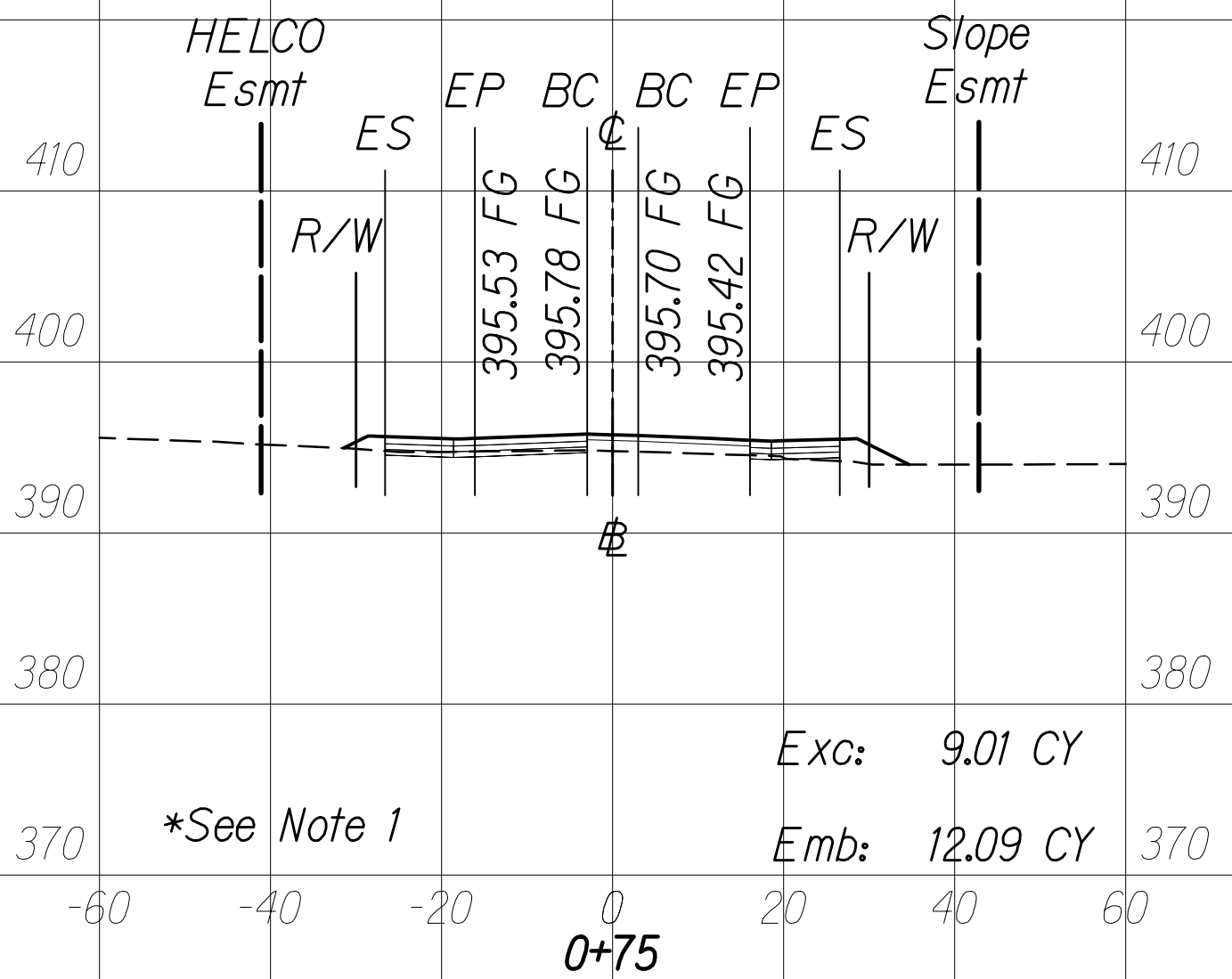
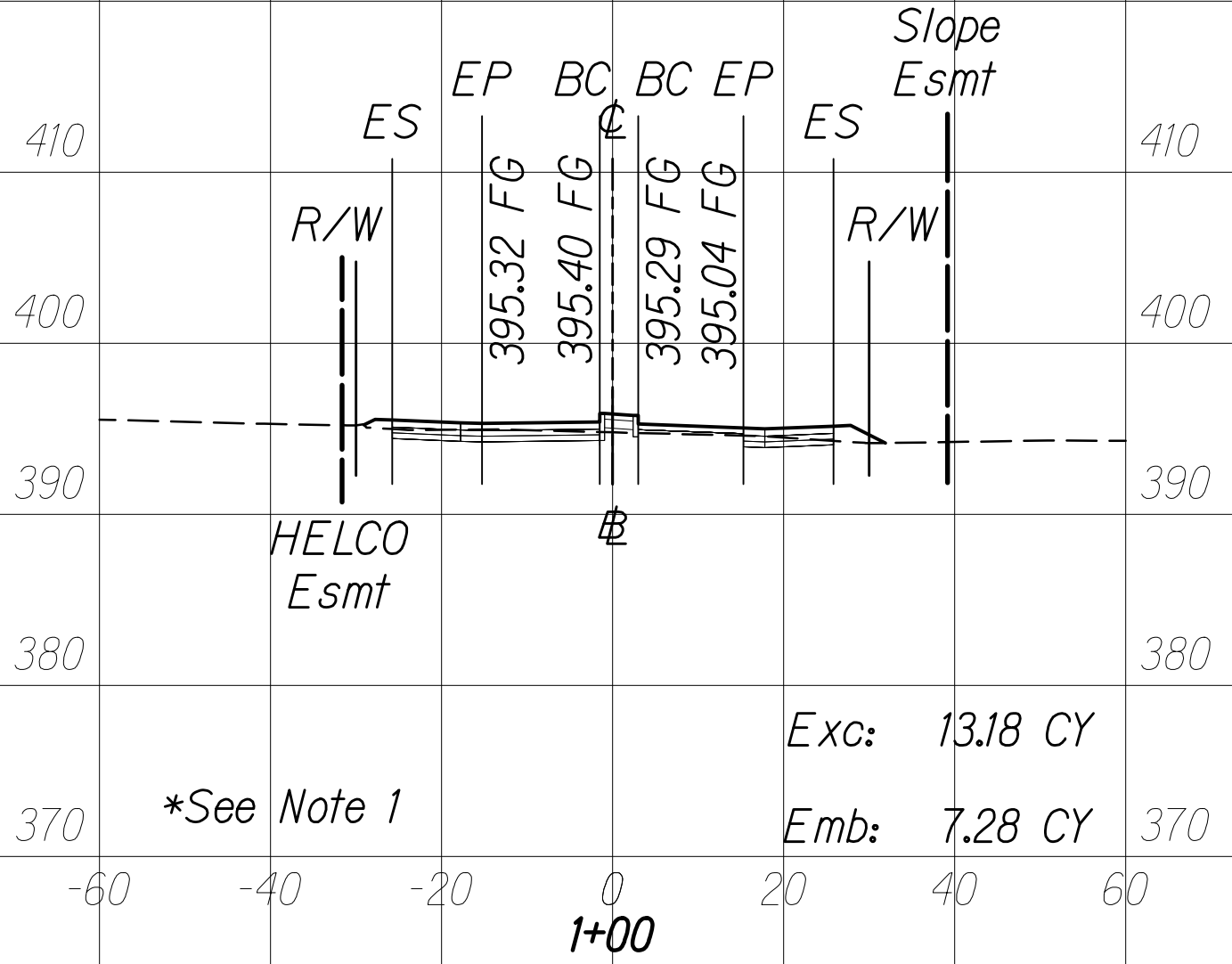


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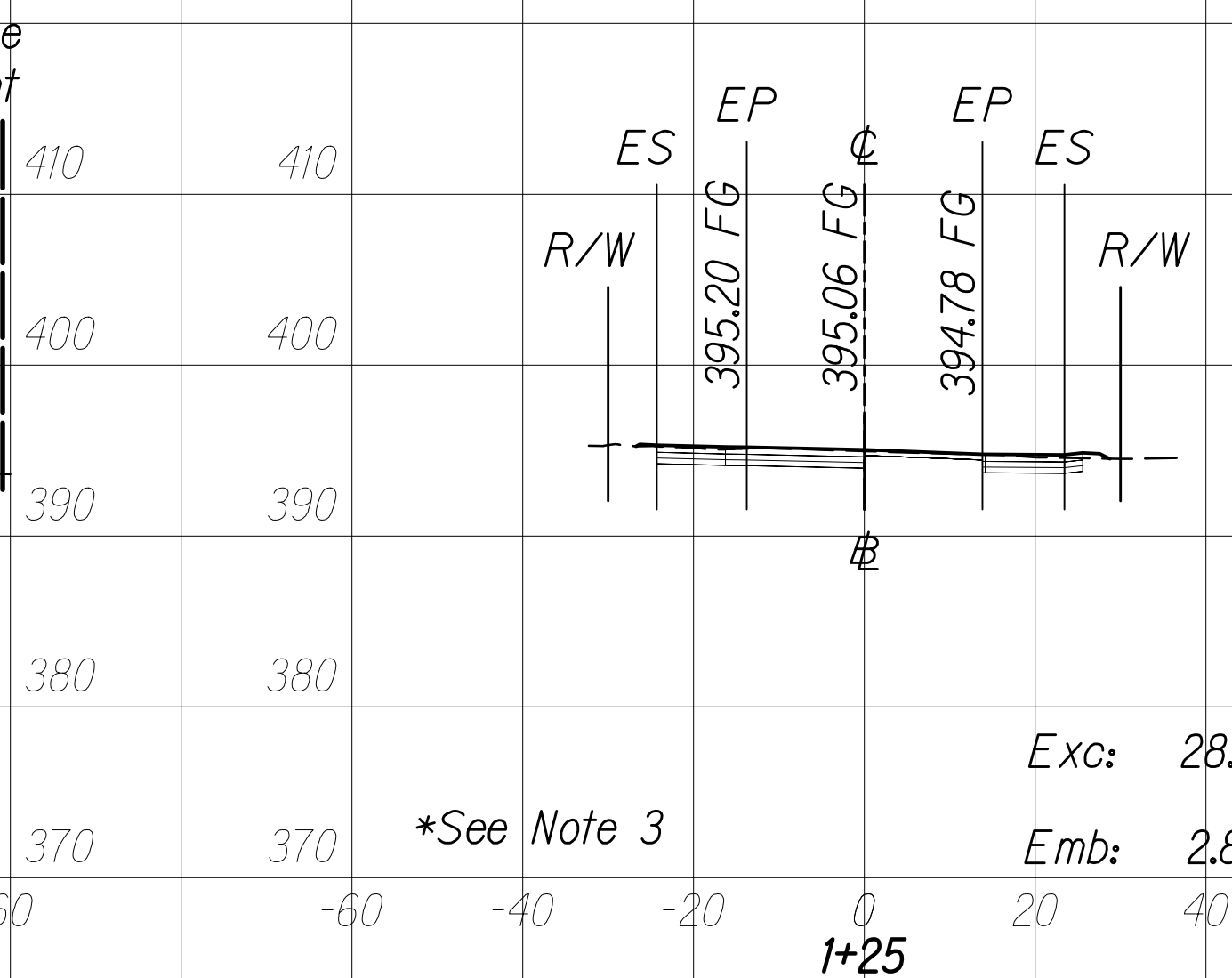
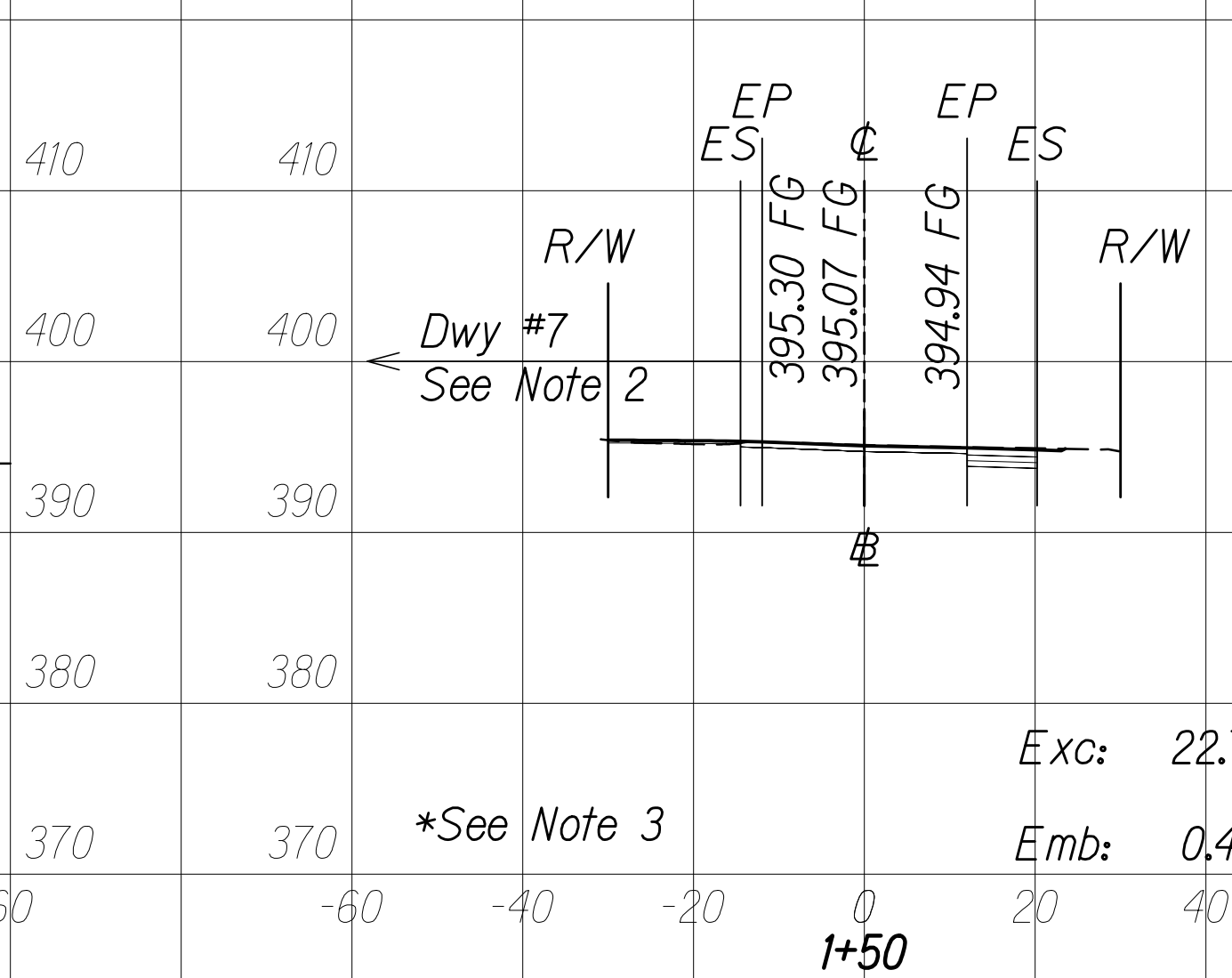
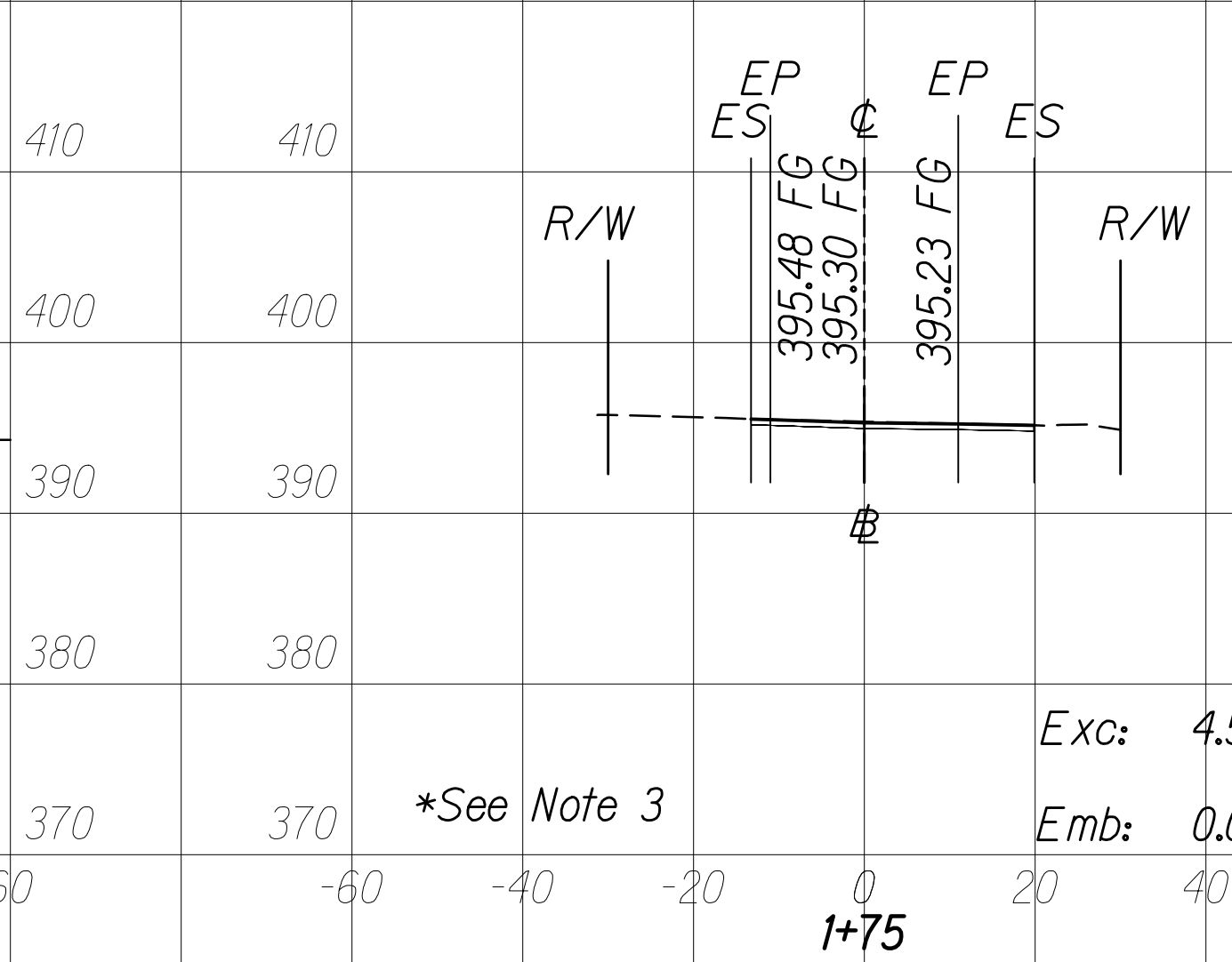
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ROADWAY CROSS SECTIONS
(KEAAU-PAHOA RD.)
Scale: Horiz. 1" = 20'
Vert. 1" = 10'



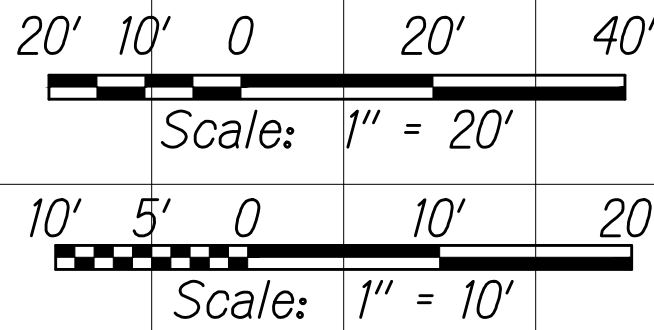
ROADWAY CROSS SECTIONS
(ORCHIDLAND DR.)
Scale: Horiz. 1" = 20'
Vert. 1" = 10'



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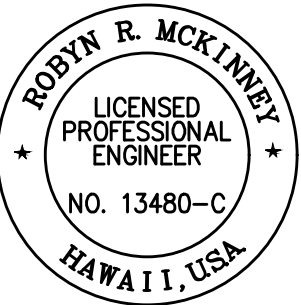
1. For the Roundabout area, cross slope varies along section line and therefore not shown. For elevations and slopes in the Roundabout area, see Sht. 51.
2. For driveway profiles and typical sections, see Shts. 46 to 49.
3. For elevations and slopes at transition, see Sht. 50.

GRAPHIC SCALES:



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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	107	116



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ROADWAY CROSS SECTIONS

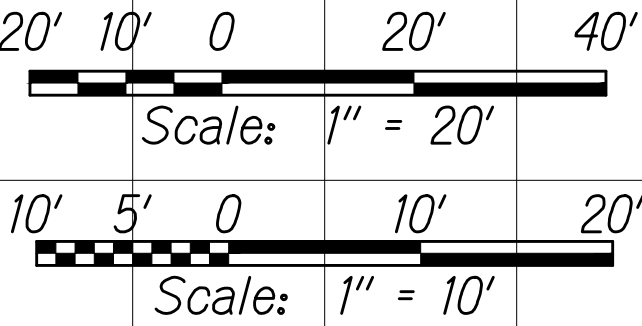
(KEAAU-PAHOA RD.)

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Vert. 1" = 10'

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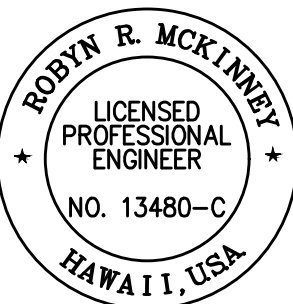
1. For driveway profiles and
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49.

GRAPHIC SCALES:



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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	108	116



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ROADWAY CROSS SECTIONS

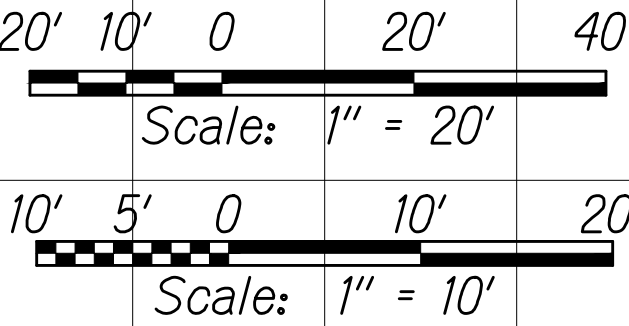
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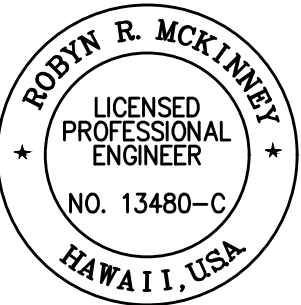
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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	109	116



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ROADWAY CROSS SECTIONS

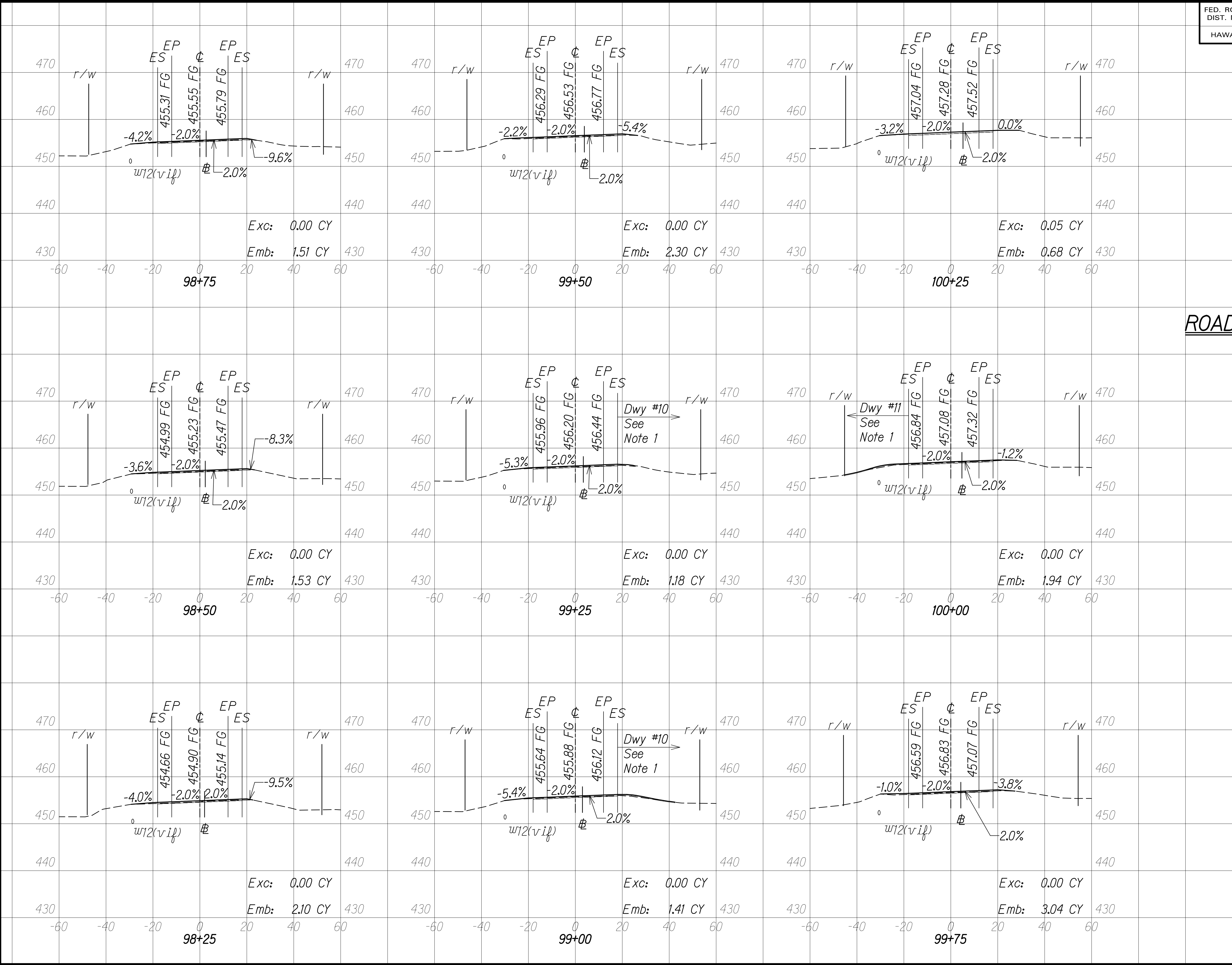
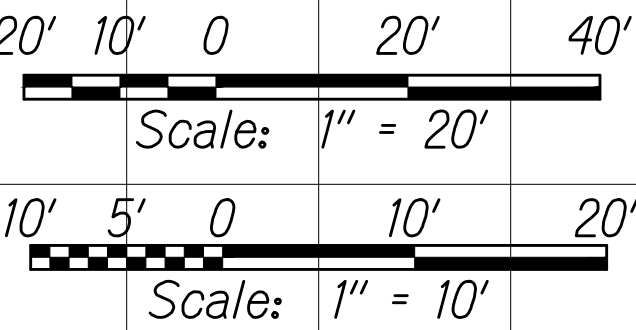
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Scale: Horiz. 1" = 20'
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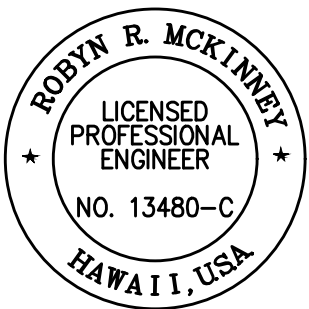
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GRAPHIC SCALES:



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HAWAII	HAW.	STP-0130(27)	2021	110	116



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ROADWAY CROSS SECTIONS

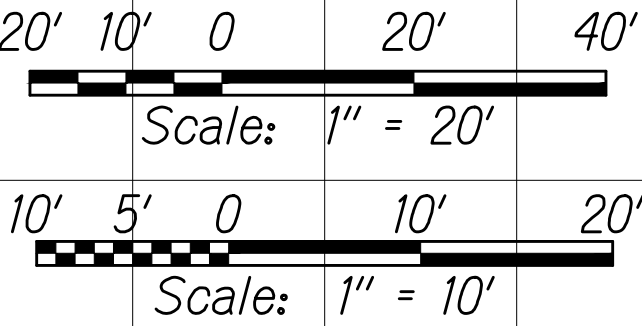
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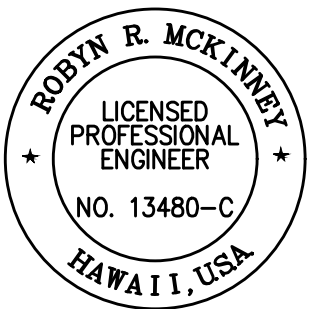
- For driveway profiles and typical sections, see Shts. 46 to 49.
- For detailed bus bay grading, see Sht. 52.

GRAPHIC SCALES:



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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	111	116



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ROADWAY CROSS SECTIONS

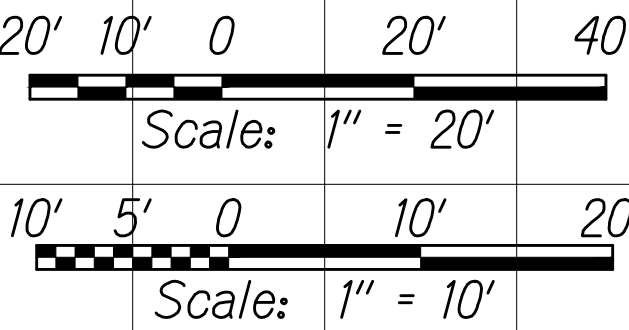
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Scale: Horiz. 1" = 20'
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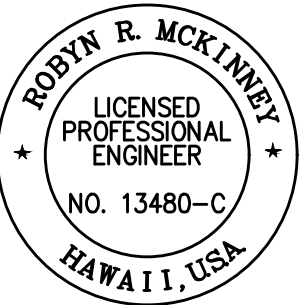
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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	112	116



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ROADWAY CROSS SECTIONS

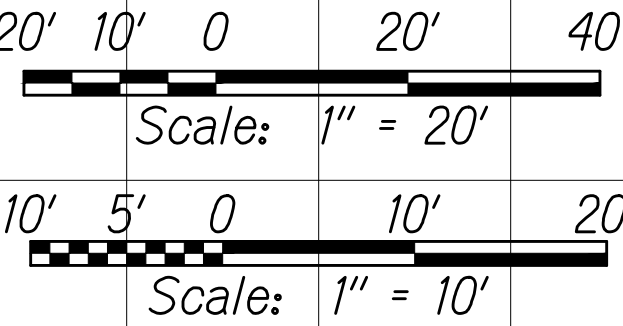
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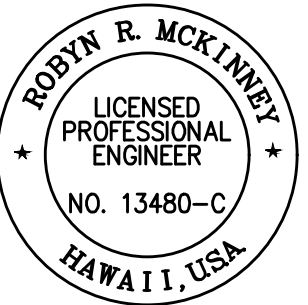
- For the Roundabout area, cross slope varies along section line and therefore not shown. For elevations and slopes in the Roundabout area, see Sht. 53.
- For driveway profiles and typical sections, see Shts. 46 to 49.

GRAPHIC SCALES:



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FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	113	116



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ROADWAY CROSS SECTIONS

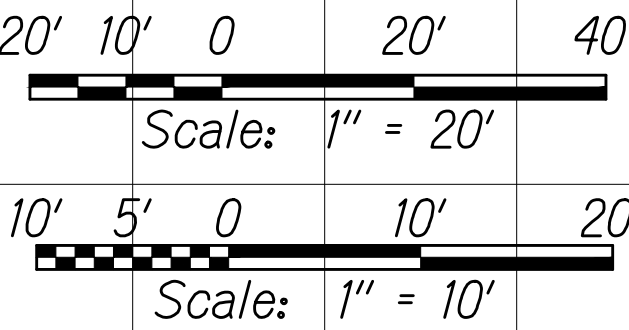
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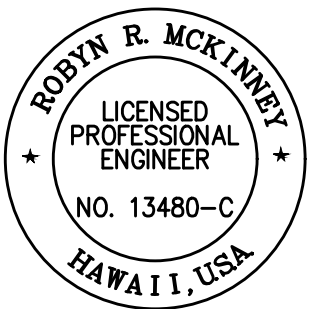
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GRAPHIC SCALES:



C:\PROJECTS\2012_153.000_KEAAU-PAHOA RD IMPR RTE130\ROUNDABOUT DESIGN\01 CIVIL DRAWINGS\02 ORCH AND MAKU\107 - 116 ROAD CROSS SECTIONS_MAKU.DWG 8/25/2020 11:34 AM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	114	116



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Robyn R. McKinney 04/30/22
SIGNATURE EXPIRATION DATE OF THE LICENSE

ROADWAY CROSS SECTIONS

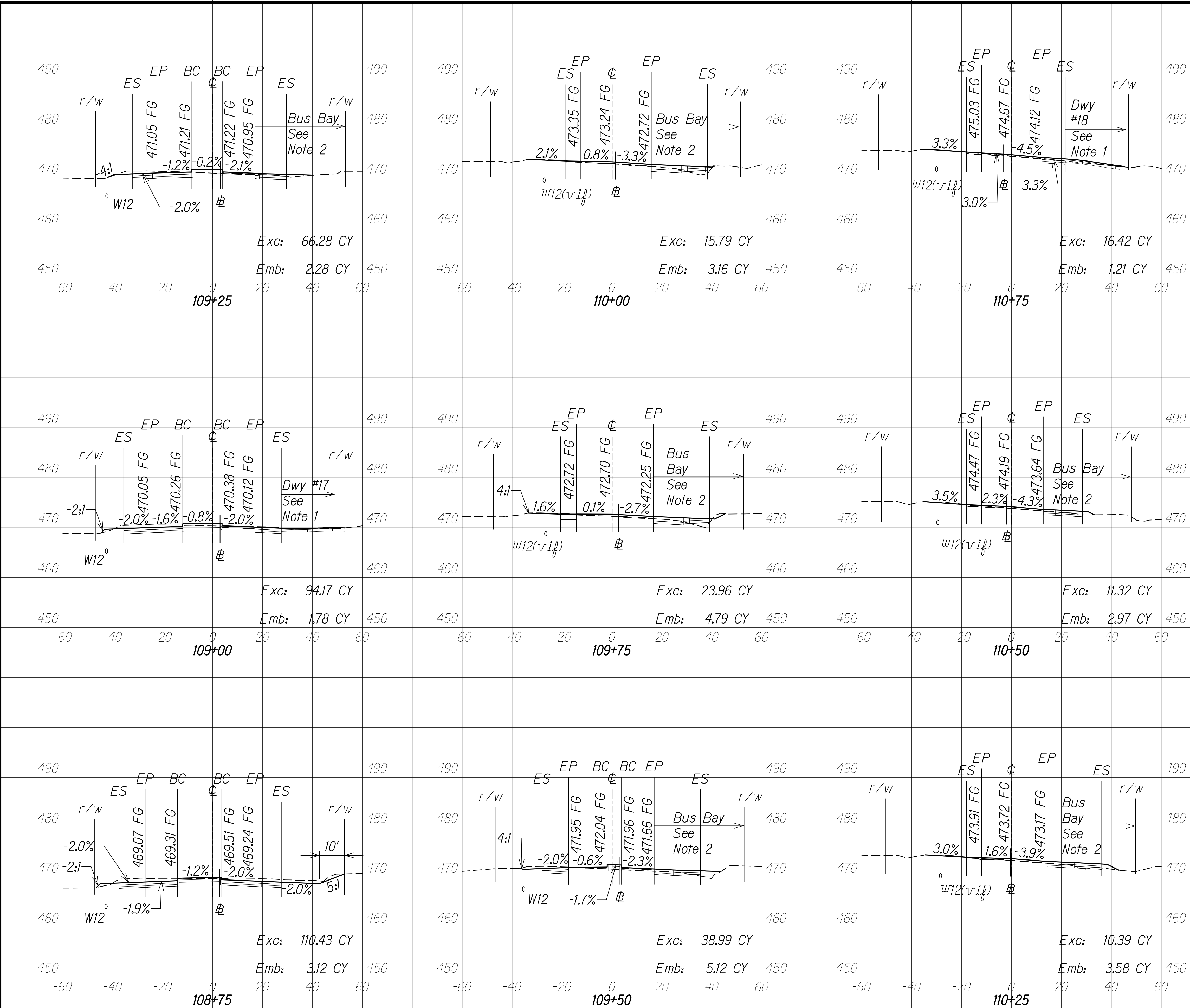
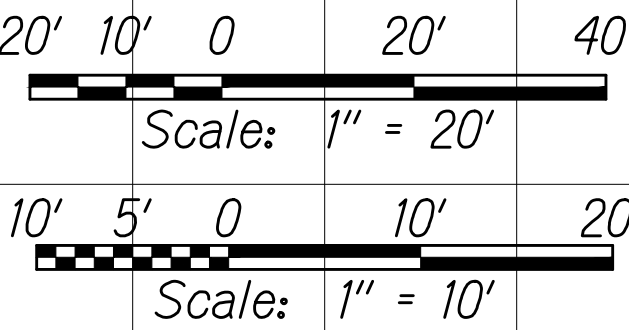
(KEAAU-PAHOA RD.)

Scale: Horiz. 1" = 20'
Vert. 1" = 10'

NOTES:

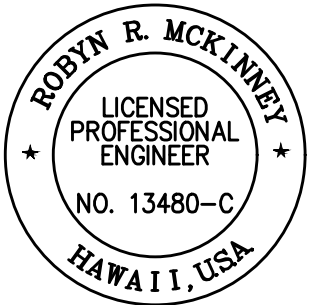
- For driveway profiles and typical sections, see Shts. 46 to 49.
- For detailed bus bay grading, see Sht. 52.

GRAPHIC SCALES:



C:\CIVIL 3D PROJECTS\2012_153.000 KEAAU-PAHOA RD IMPR RTE130\ROUNDABOUT DESIGN\01 CIVIL DRAWINGS\02 ORCH AND MAKU\107 - 116 ROAD CROSS SECTIONS_MAKU.DWG 8/25/2020 11:34 AM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	115	116



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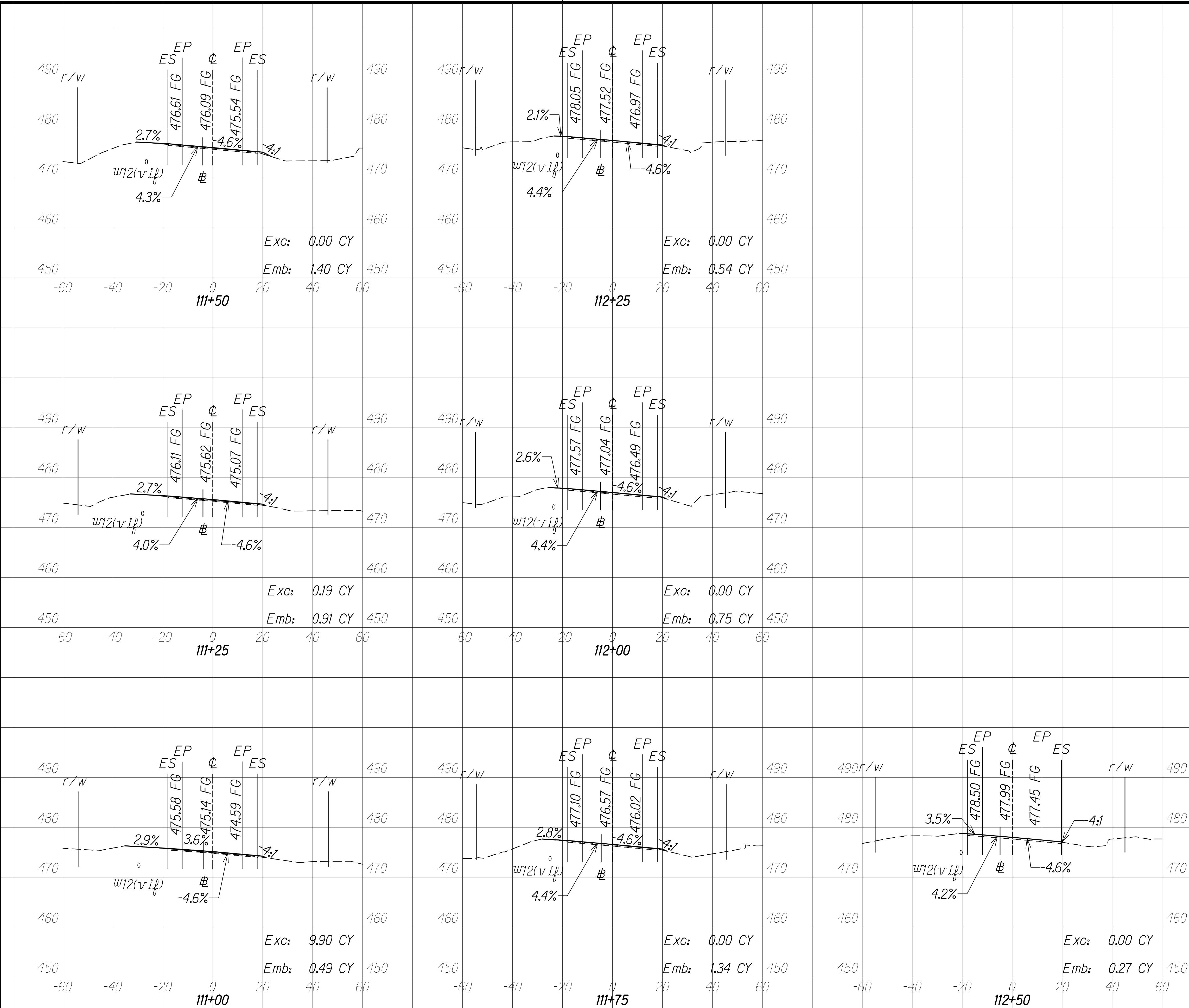
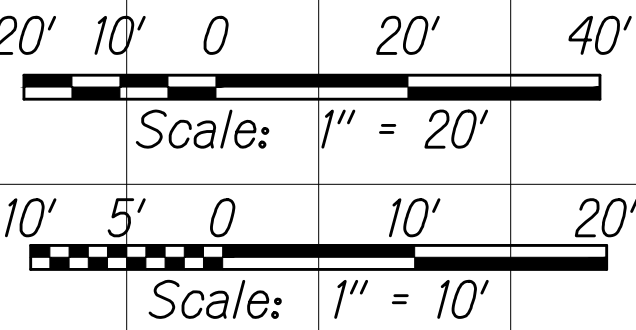
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OF THE LICENSE

ROADWAY CROSS SECTIONS

(KEAAU-PAHOA RD.)

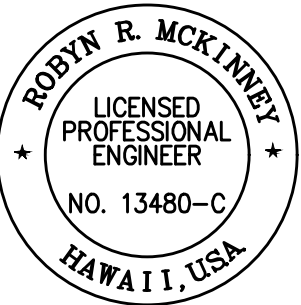
Scale: Horiz. 1" = 20'
Vert. 1" = 10'

GRAPHIC SCALES:



C:\CIVIL 3D PROJECTS\2012_153,000 KEAAU-PAHOA RD IMPR RTE130\ROUNDABOUT DESIGN\01 CIVIL DRAWINGS\02 ORCH AND MAKUU\107 - 116 ROAD CROSS SECTIONS_MAKUU.DWG 8/26/2020 7:37 PM

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0130(27)	2021	116	116



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OF THE LICENSE

ROADWAY CROSS SECTIONS

(MAKUU DR.)

Scale: Horiz. 1" = 20'
Vert. 1" = 10'

NOTES:

- For the Roundabout area, cross slope varies along section line and therefore not shown. For elevations and slopes in the Roundabout area, see Sht. 53.
- For elevations and slopes at transition, see Sht. 52.

GRAPHIC SCALES:

