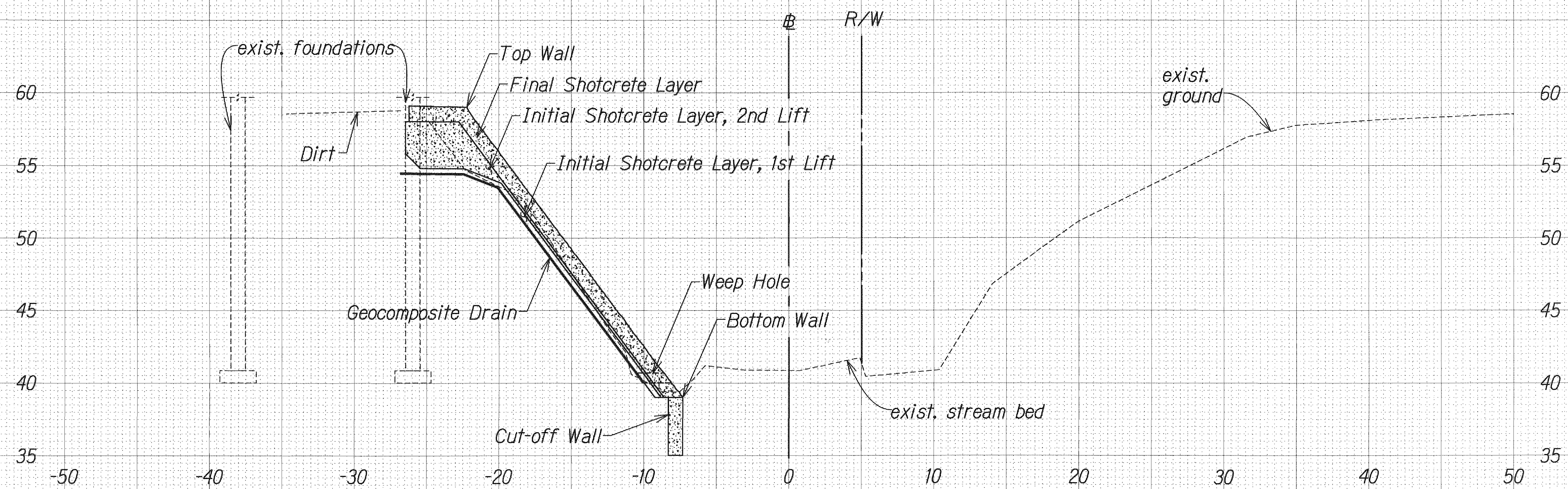


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIE-01-11MR	2013	28	49



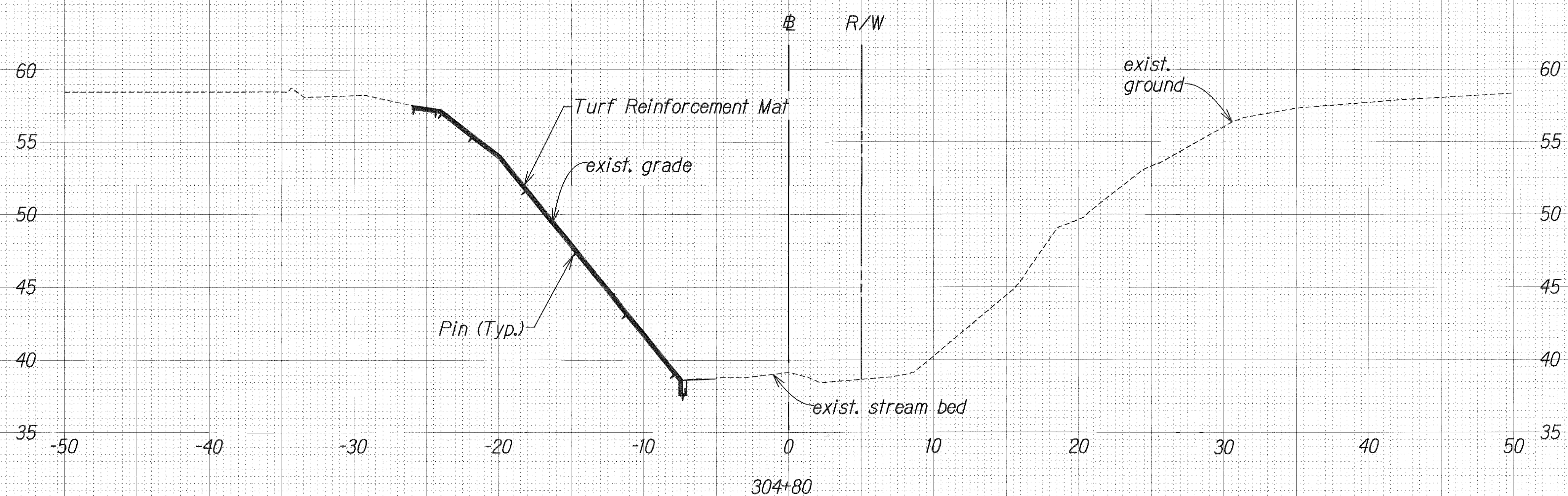
Cut = 52.4 S. F.
Shotcrete = 13.1 S. F.

304+90 (Ahead)

Exc = 4.1 C. Y.
Shotcrete = 16.6 C. Y. (See Note 4)

NOTES:

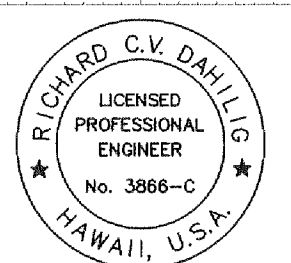
1. For top wall and bottom wall elevations, See Table Sht. No. SN-3.
2. Shotcrete quantities shown include Initial Shotcrete Layer, 1st Lift, Initial Shotcrete Layer, 2nd Lift, Final Shotcrete Layer, pad and cutoff wall. Final Shotcrete Layer includes Sculpted Rock Finish Texture.
3. Shotcrete quantity includes thickened edge of Shotcrete Wall from Sta. 304+88.5 to Sta. 304+90.
4. Quantity of TRM excavation is from Sta. 304+80 to Sta. 304+88.5. TRM excavation will be incidental to various contract items.
5. Provide bond breaker between shotcrete wall and all existing foundations.



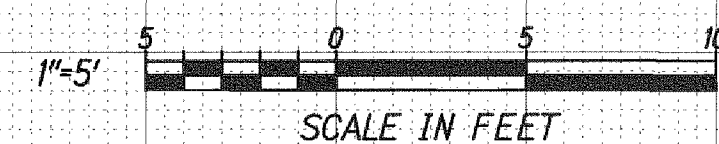
Cut = 00.00 S. F.

304+80

Exc = 00.00 C. Y. (See Note 5)



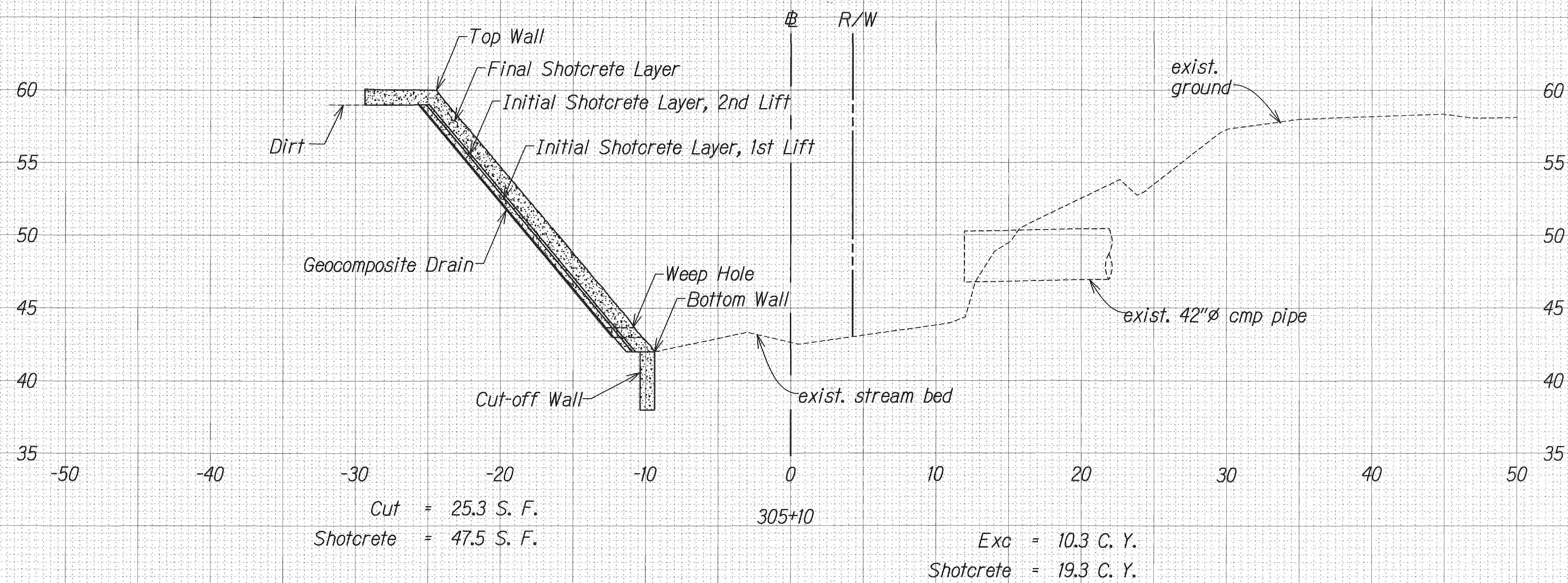
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION
SIGNATURE: Richard C.V. Dahlig
EXPIRATION DATE OF THE LICENSE: 04/30/14



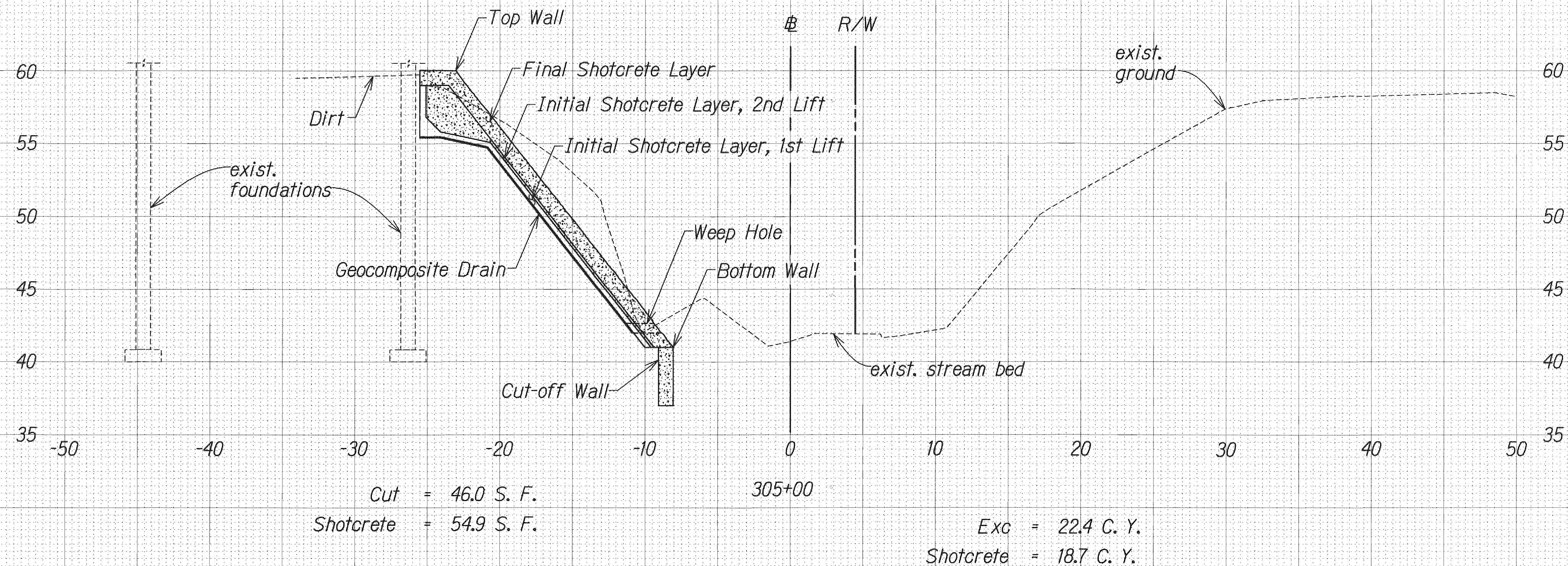
ORIGINAL PLAN	SURVEY PLATTED BY	DATE
NOTED BOOK	DRAWN BY	
	CHECKED BY	
	QUANTITIES BY	

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FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	29	49

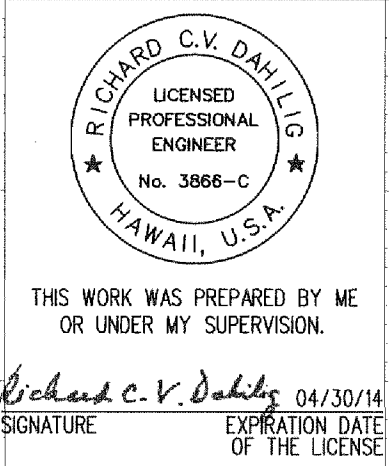
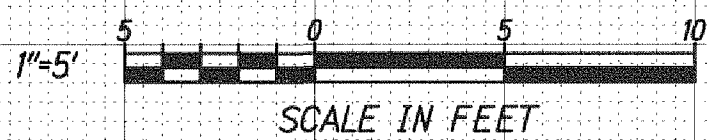


- NOTES:**
- For top wall and bottom wall elevations, See Table Sht. No. SN-3.
 - Shotcrete quantities shown include Initial Shotcrete Layer, 1st lift, Initial Shotcrete Layer, 2nd lift, Final Shotcrete Layer, pad and cutoff wall. Final Shotcrete layer includes Sculpted Rock Finish Texture.
 - Provide bond breaker between shotcrete wall and all existing foundations.

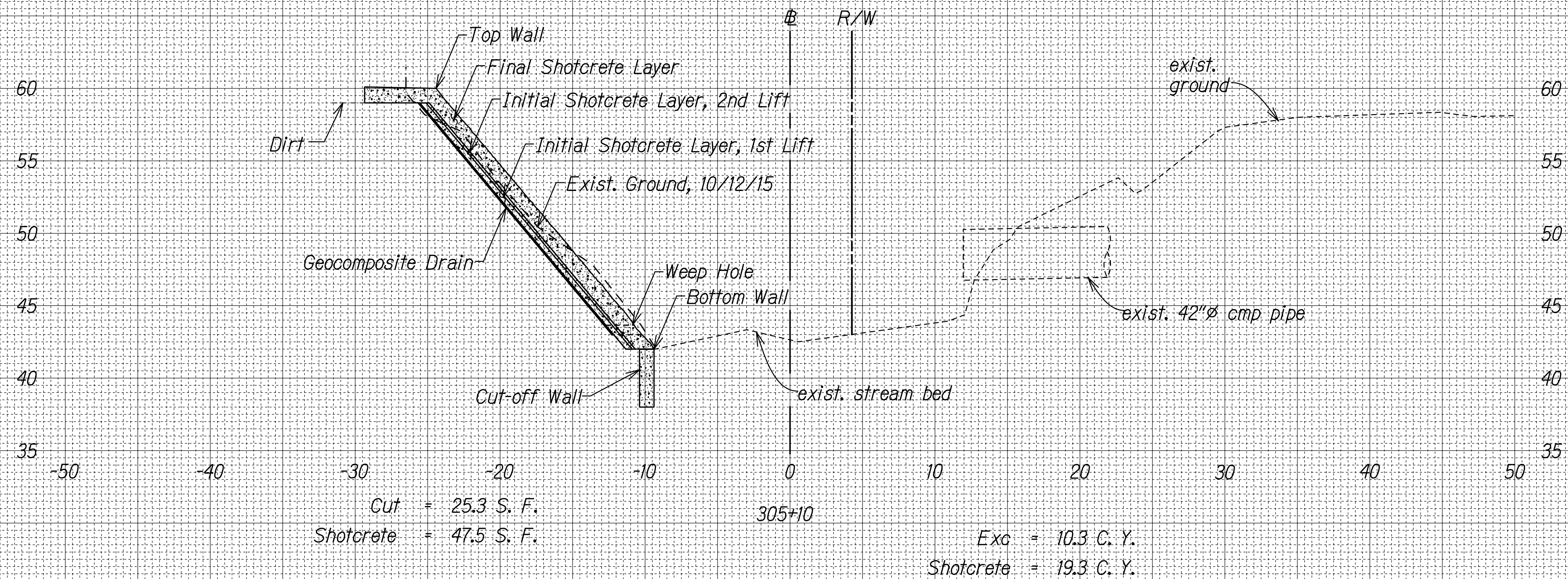


SURVEY PLOTTED BY	DATE
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DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
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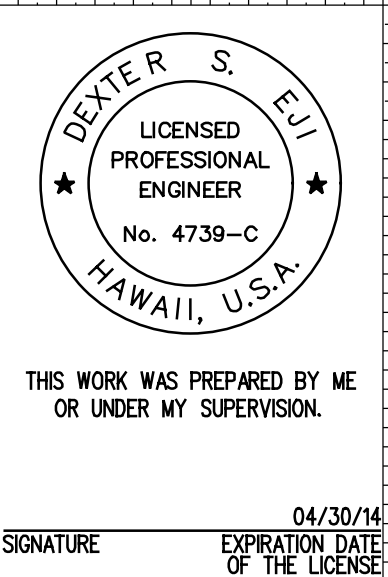
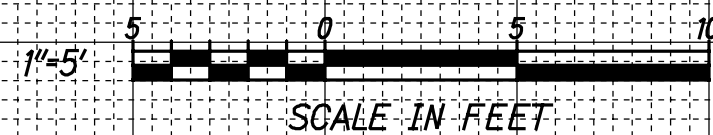
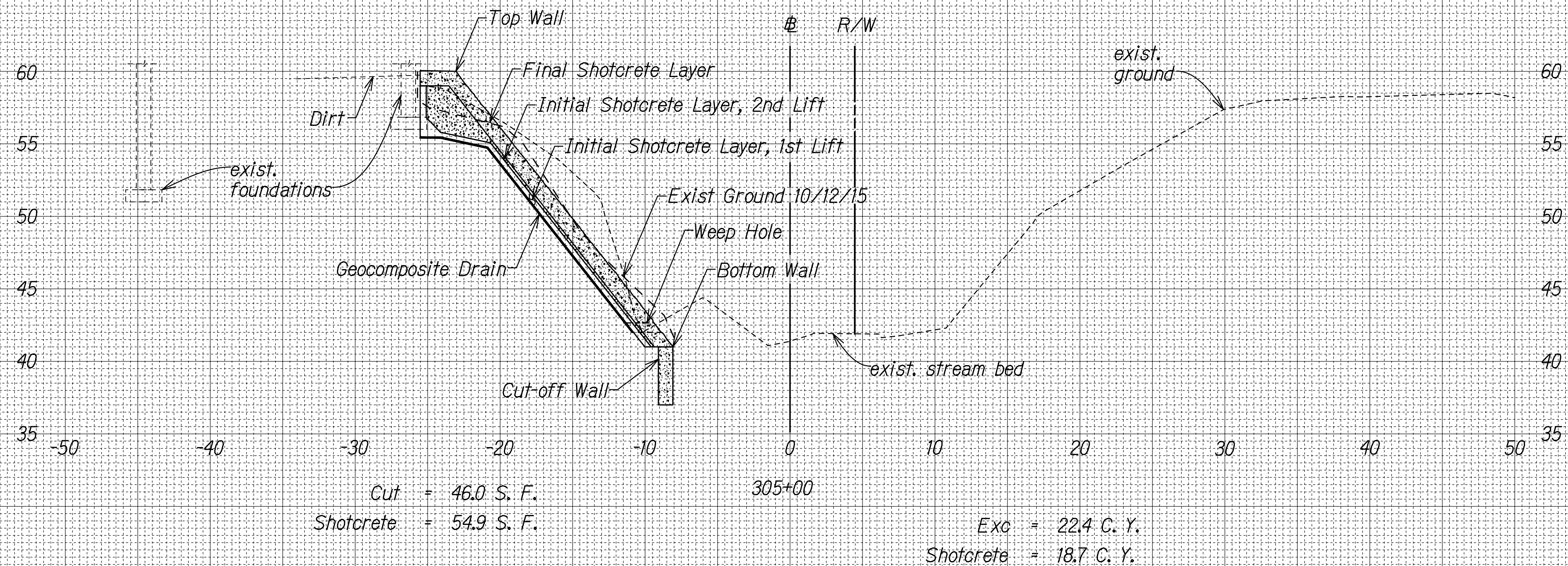


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIE-01-11MR	2013	C.O. 29 S-1	49



NOTES:

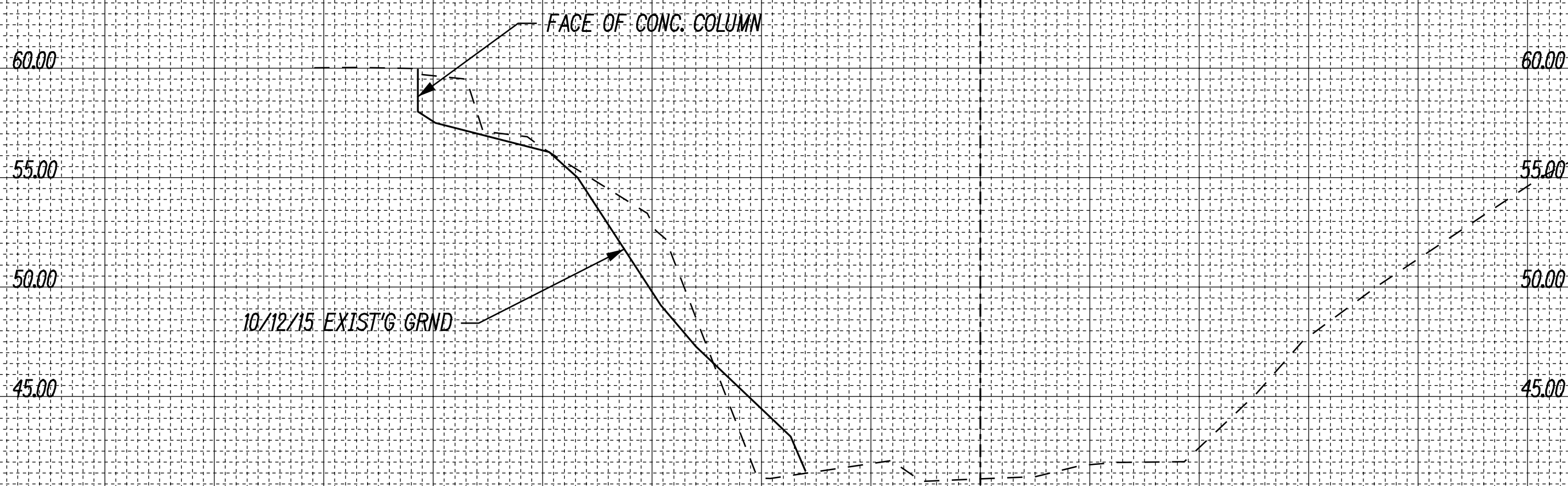
1. For top wall and bottom wall elevations, See Table Sht. No. SN-3.
2. Shotcrete quantities shown include Initial Shotcrete Layer, 1st lift, Initial Shotcrete Layer, 2nd lift, Final Shotcrete Layer, pad and cutoff wall. Final Shotcrete layer includes Sculpted Rock Finish Texture.
3. Provide bond breaker between shotcrete wall and all existing foundations.



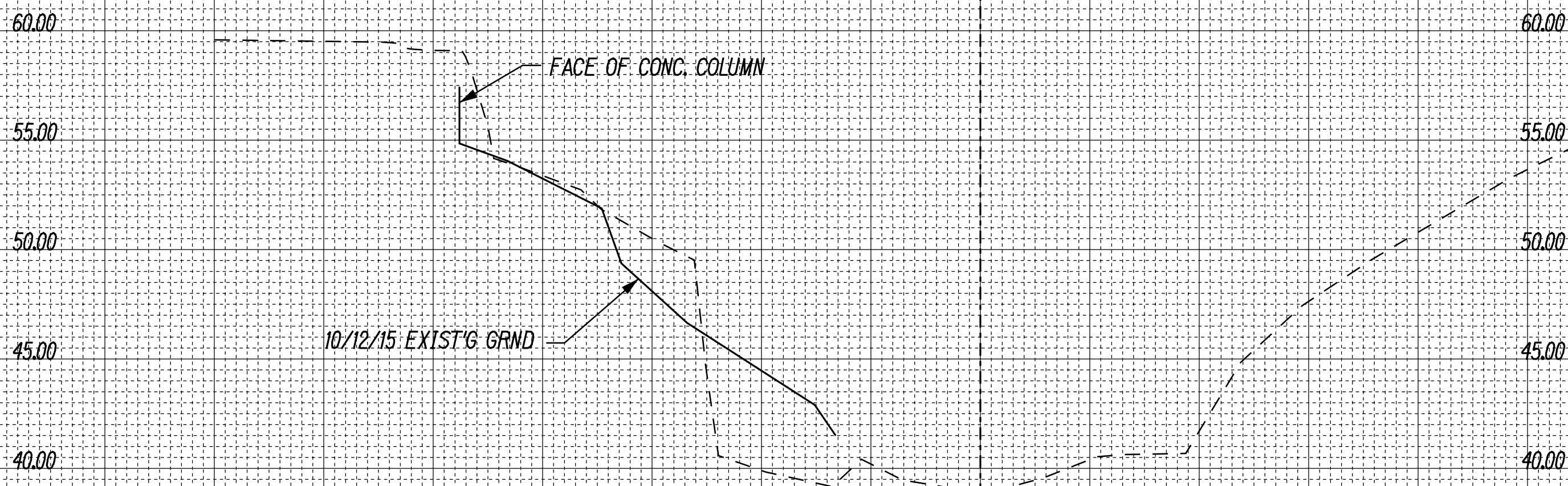
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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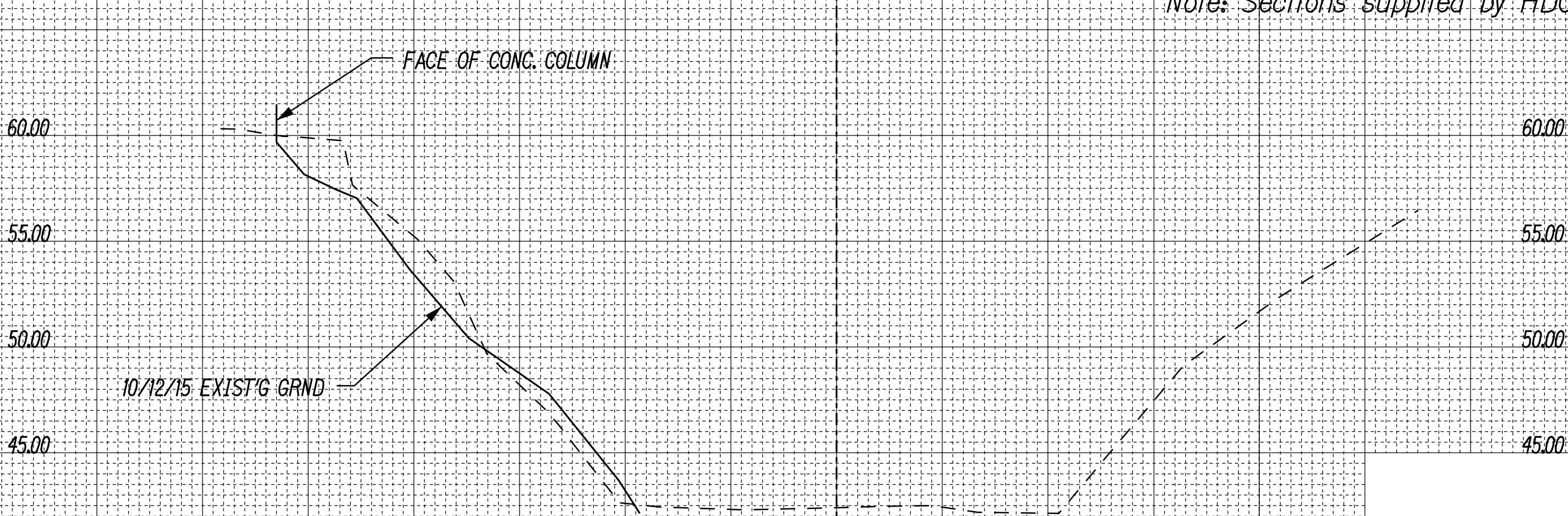
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.			C.O. 29S-2	



305+00
ORIGINAL EL = 41.24
DESIGN EARTHWORK
FILL AREA = 0.00
CUT AREA = 0.00
VF = 0.00
VC = 0.00



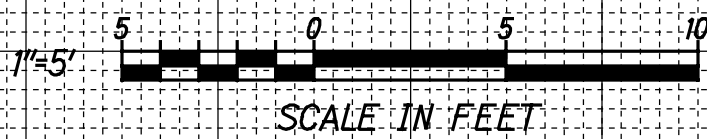
304+91
ORIGINAL EL = 38.89
DESIGN EARTHWORK
FILL AREA = 0.00
CUT AREA = 0.00
VF = 0.00
VC = 0.00



305+06.50
ORIGINAL EL = 42.41
DESIGN EARTHWORK
FILL AREA = 0.00
CUT AREA = 0.00
VF = 0.00
VC = 0.00

Note: Sections supplied by HDOT

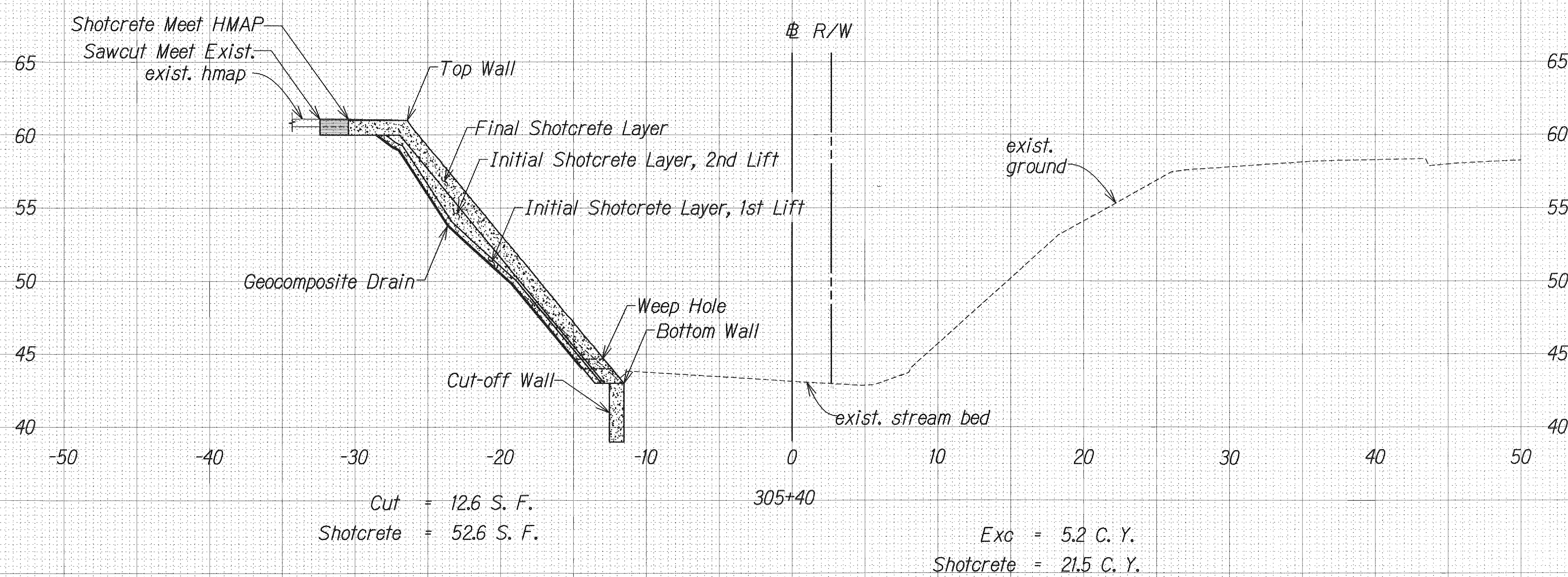
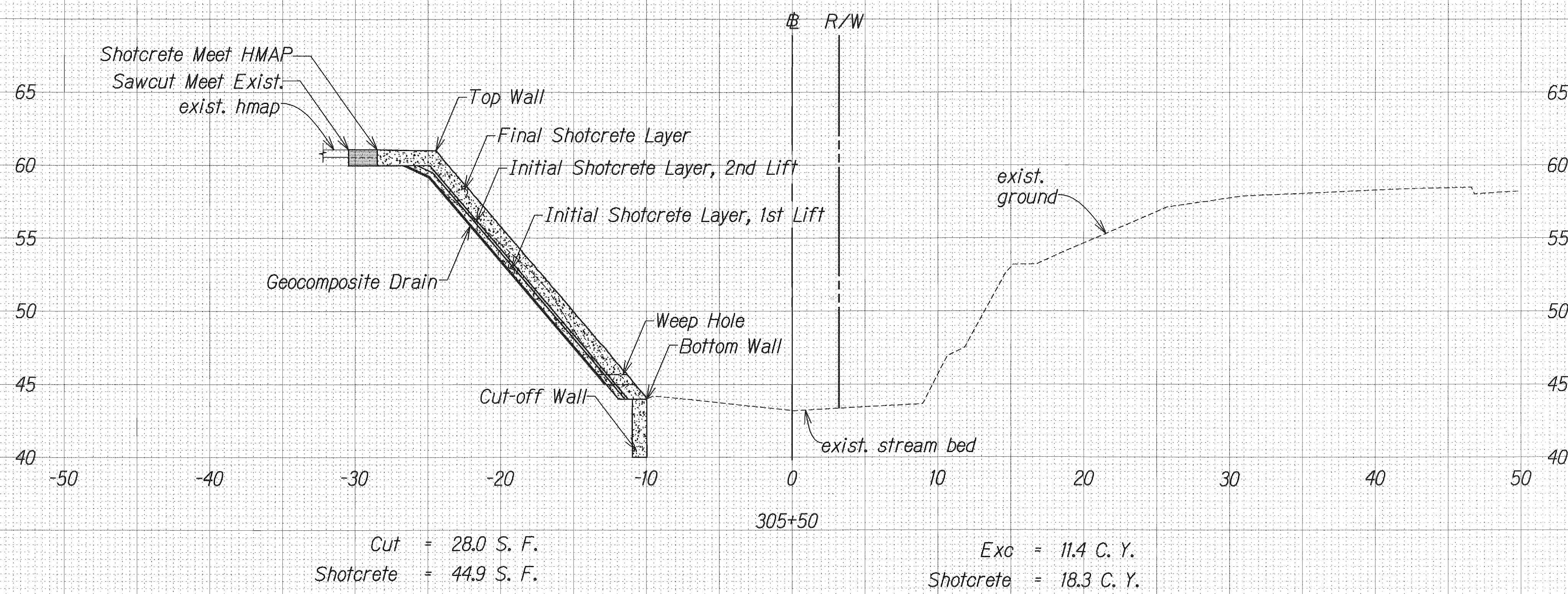
ORIGINAL SECTION CONSTRUCTED APRIL 2013



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

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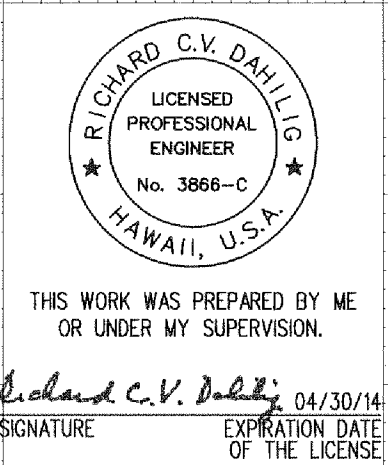
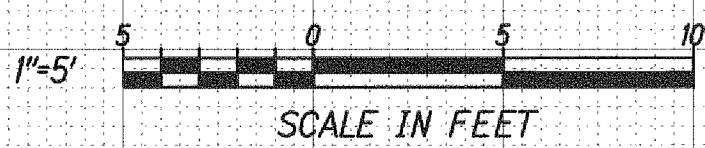
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIE-01-11MR	2013	31	49



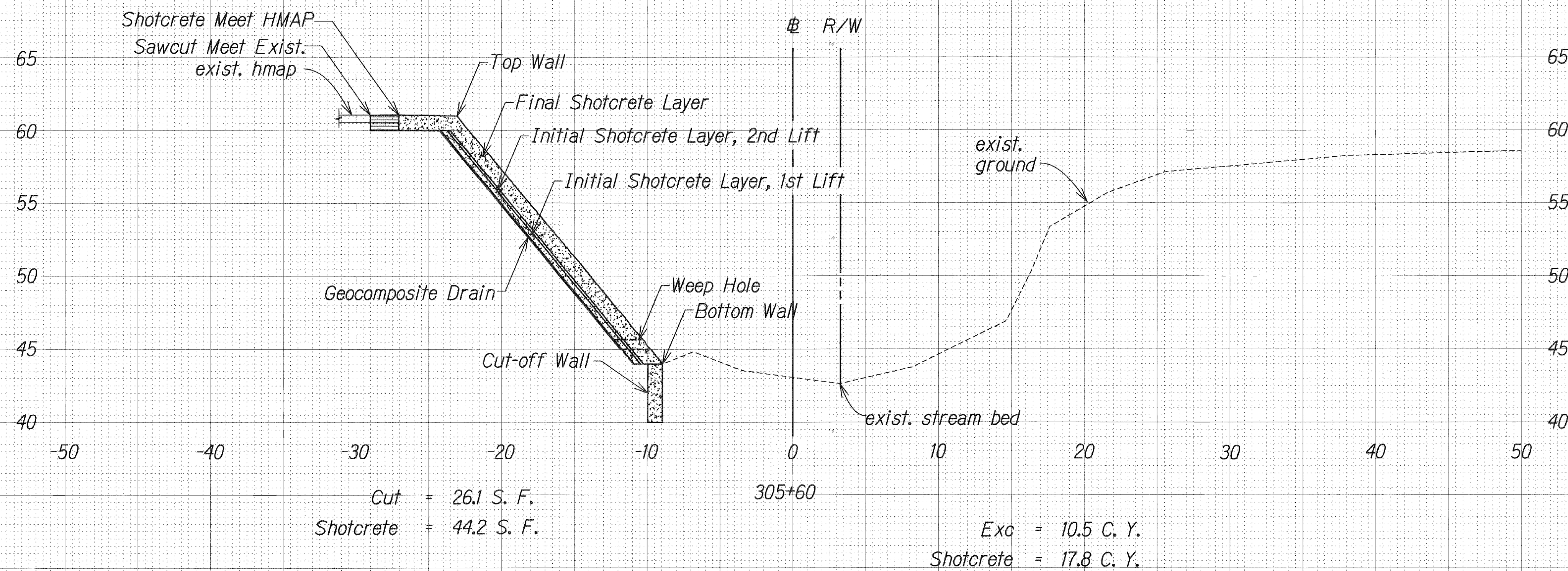
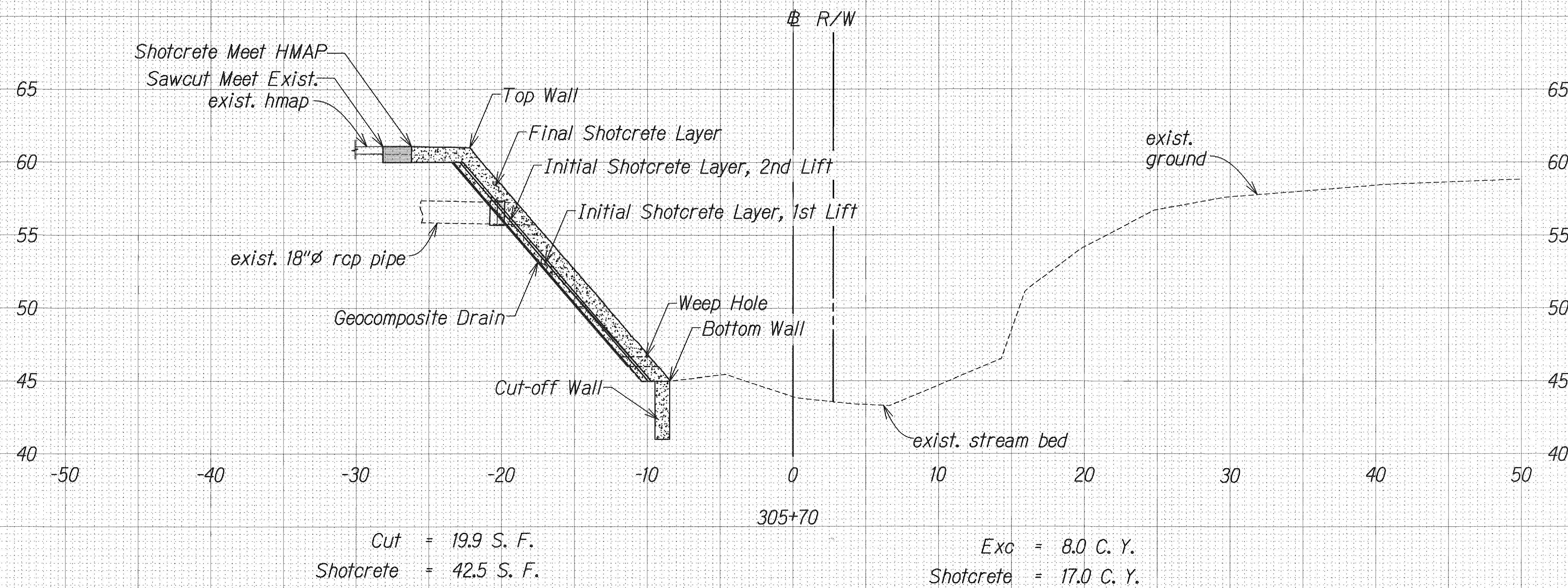
- NOTES:**
1. For top wall and bottom wall elevations, See Table Sht. No. SN-3.
 2. Shotcrete quantities shown include Initial Shotcrete Layer, 1st lift, Initial Shotcrete Layer, 2nd lift, Final Shotcrete Layer, pad and cutoff wall. Final Shotcrete layer includes Sculpted Rock Finish Texture.

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

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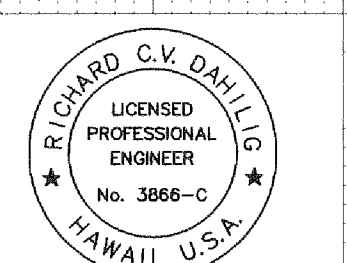


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	32	49

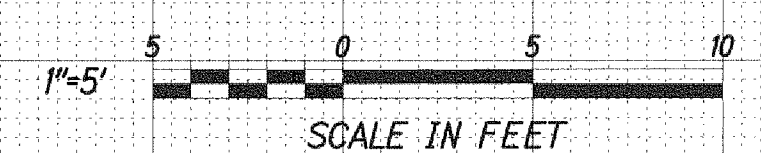


NOTES:

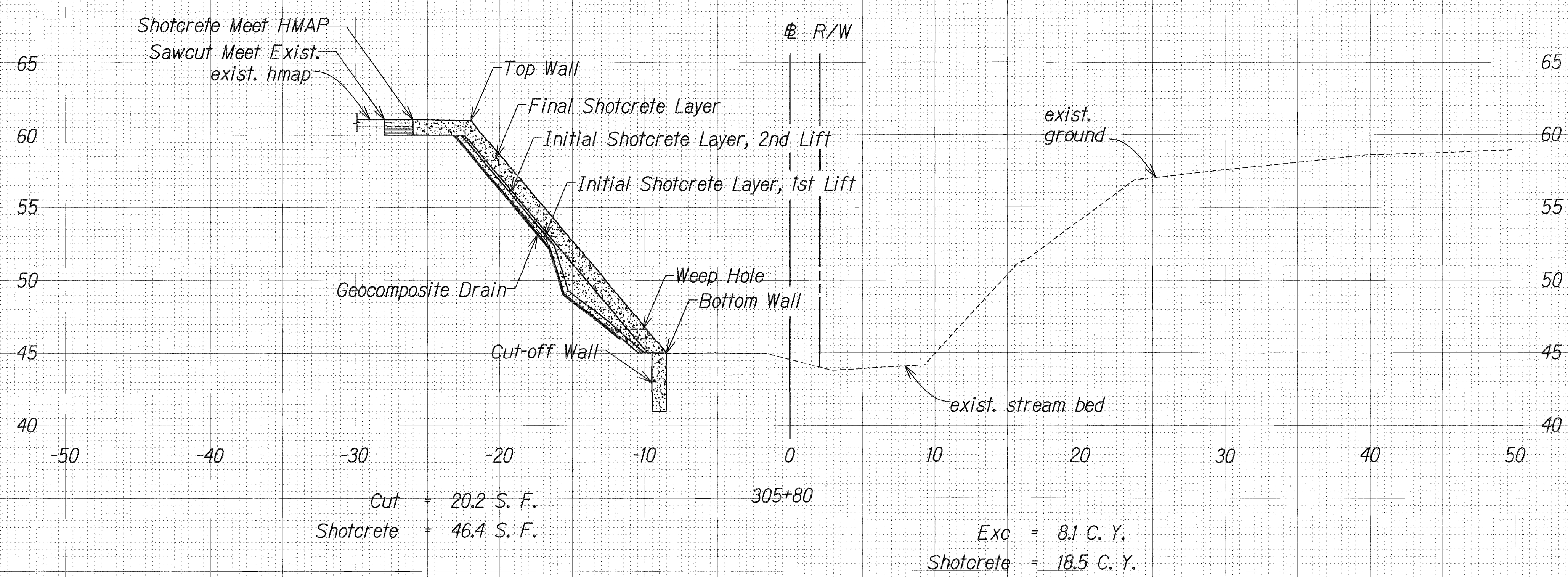
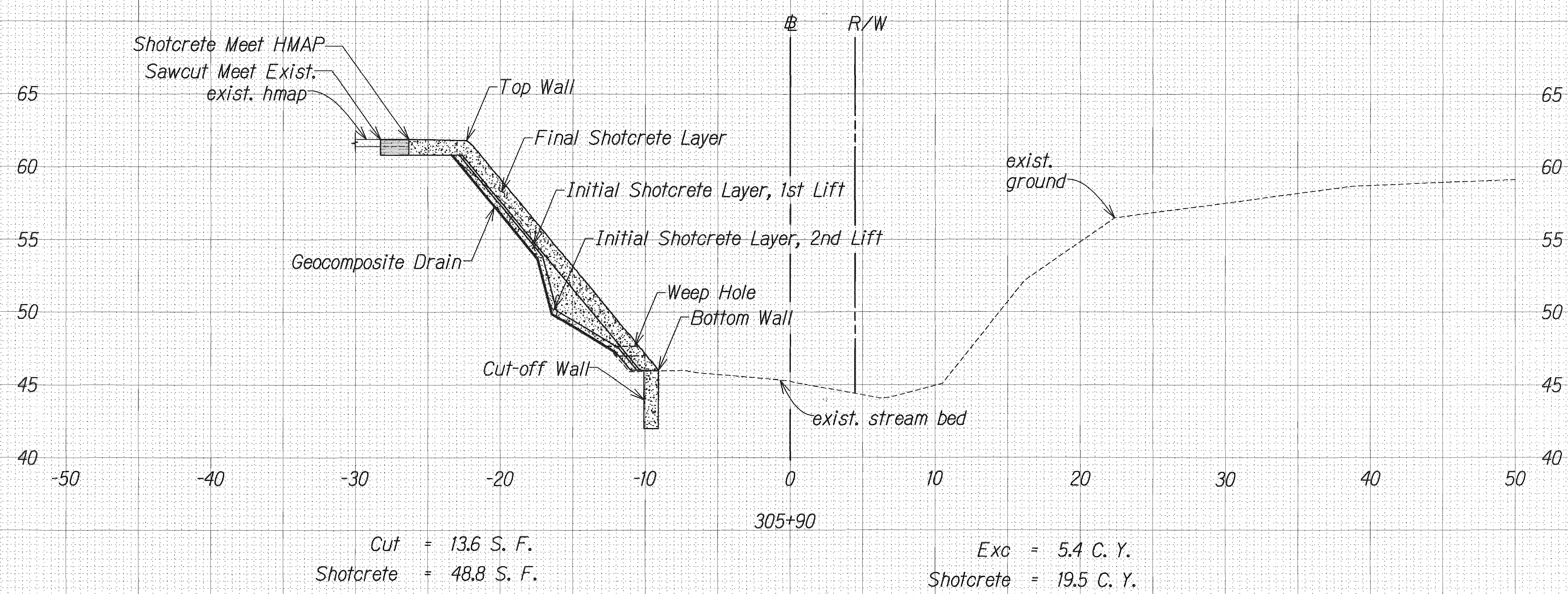
1. For top wall and bottom wall elevations, See Table Sht. No. SN-3.
2. Shotcrete quantities shown include Initial Shotcrete Layer, 1st lift, Initial Shotcrete Layer, 2nd lift, Final Shotcrete Layer, pad and cutoff wall. Final Shotcrete layer includes Sculpted Rock Finish Texture.



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Richard C.V. Dahlgren 04/30/14
SIGNATURE EXPIRATION DATE
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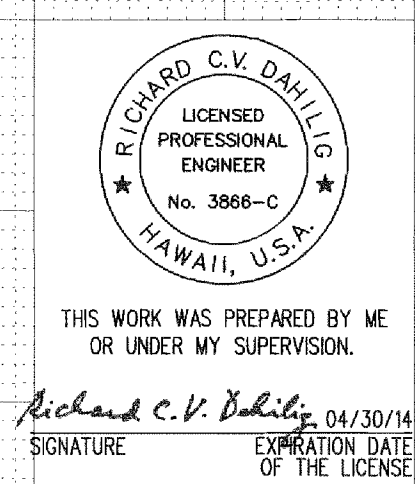
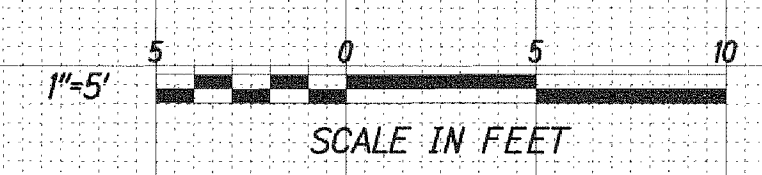
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIE-01-11MR	2013	33	49



- NOTES:**
1. For top wall and bottom wall elevations, See Table Sht. No. SN-3.
 2. Shotcrete quantities shown include Initial Shotcrete Layer, 1st lift, Initial Shotcrete Layer, 2nd lift, Final Shotcrete Layer, pad and cutoff wall. Final Shotcrete layer includes Sculpted Rock Finish Texture.

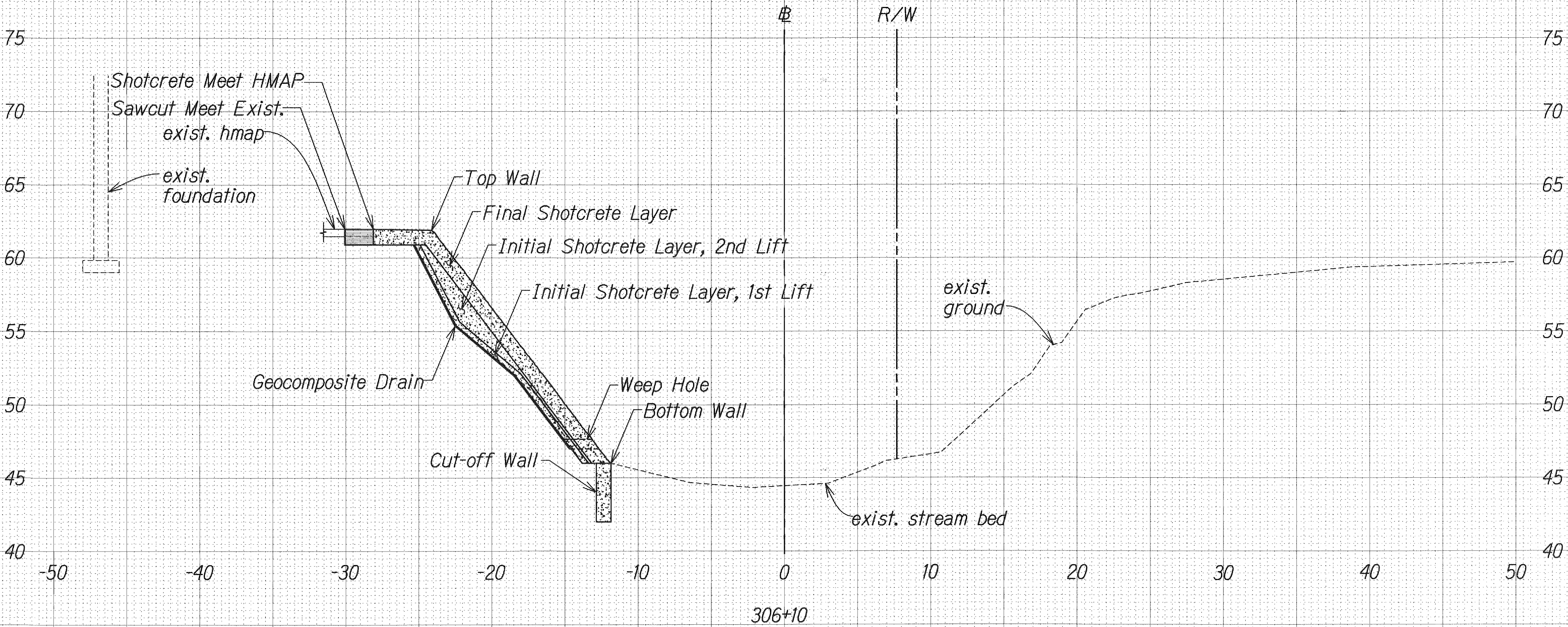
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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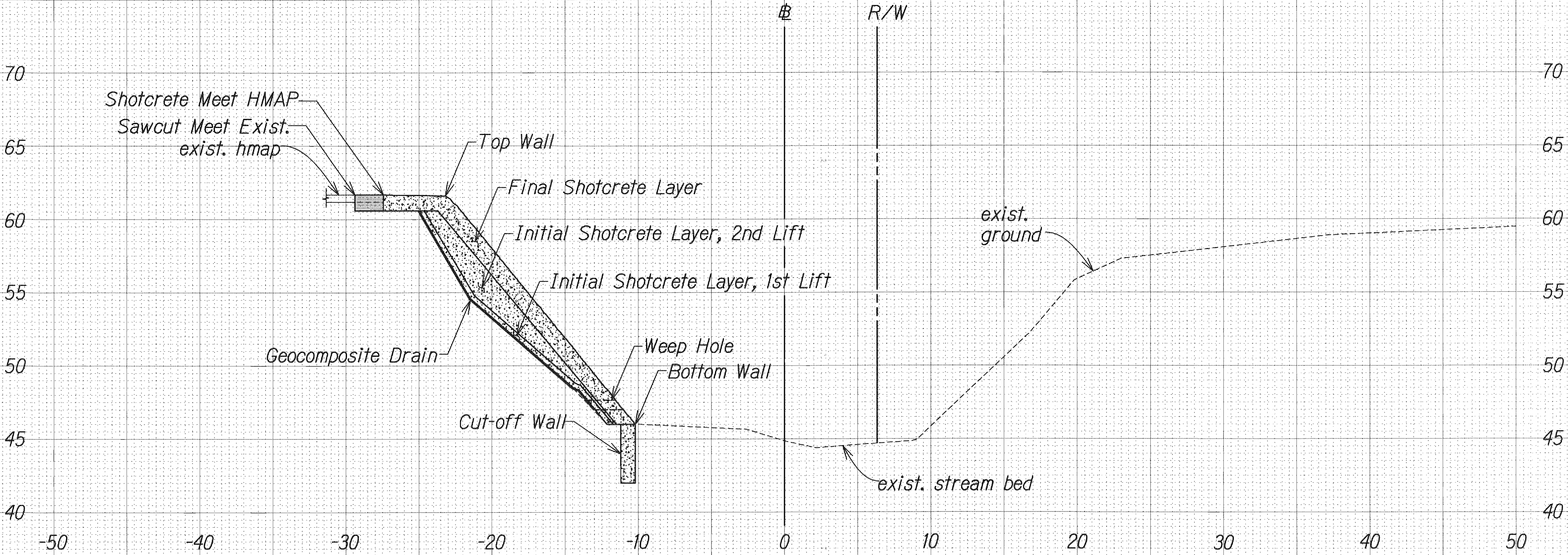
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SIGNATURE Richard C.V. Dahill 04/30/14
EXPIRATION DATE OF THE LICENSE

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIE-01-11MR	2013	34	49



Cut = 24.7 S. F.
Shotcrete = 48.1 S. F.

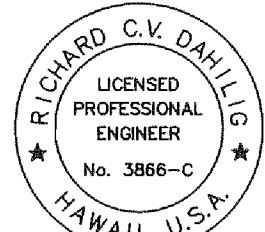
Exc = 10.0 C. Y.
= 19.6 C. Y.



Cut = 11.4 S. F.
Shotcrete = 59.3 S. F.

Exc = 4.6 C. Y.
Shotcrete = 24.0 C. Y.

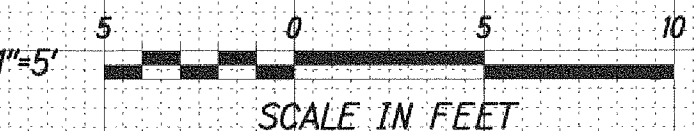
- NOTES:**
- For top wall and bottom wall elevations, See Table Sht. No. SN-3.
 - Shotcrete quantities shown include Initial Shotcrete Layer, 1st lift, Initial Shotcrete Layer, 2nd lift, Final Shotcrete Layer, pad and cutoff wall. Final Shotcrete layer includes Sculpted Rock Finish Texture.



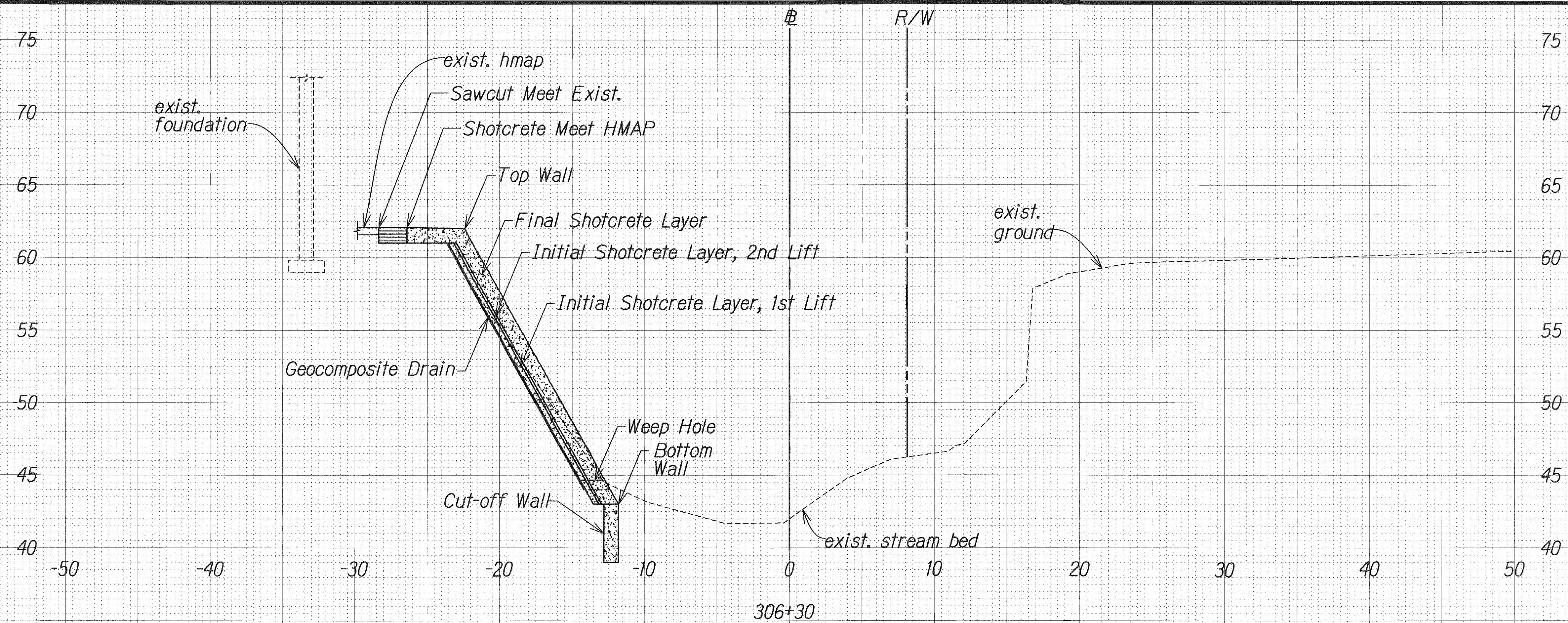
THIS WORK WAS PREPARED BY ME
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Richard C.V. Dahl
SIGNATURE

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EXPIRATION DATE
OF THE LICENSE

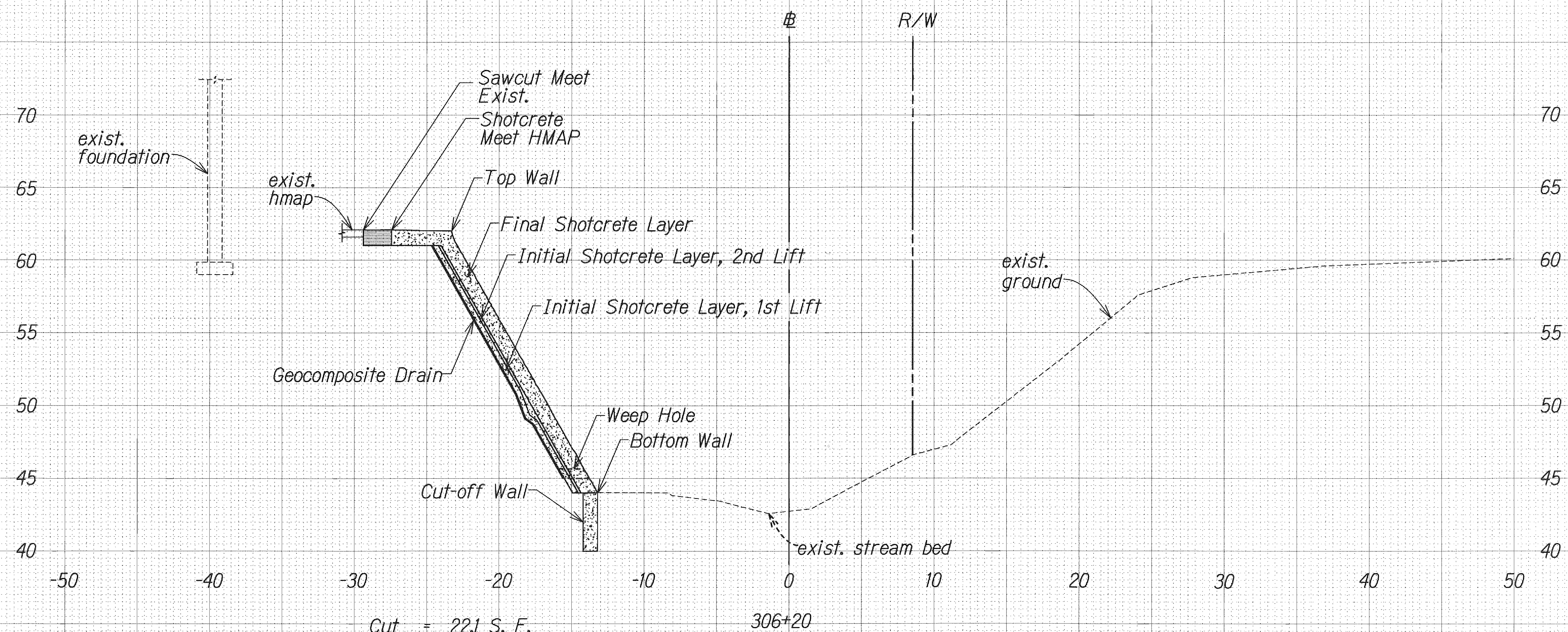


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	35	49



Cut = 35.8 S. F.
Shotcrete = 43.3 S. F.

Exc = 14.5 C. Y.
Shotcrete = 17.5 C. Y.

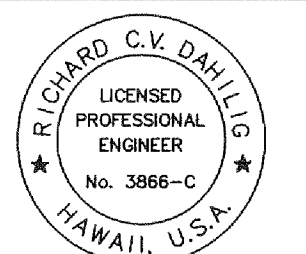


Cut = 22.1 S. F.
Shotcrete = 42.3 S. F.

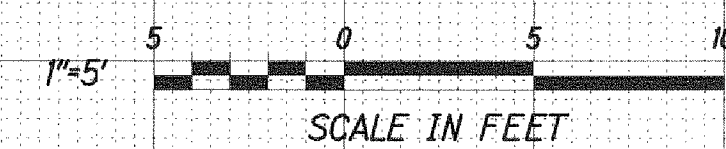
Exc = 8.9 C. Y.
Shotcrete = 17.1 C. Y.

NOTES:

- For top wall and bottom wall elevations, See Table Sht. No. SN-3.
- Shotcrete quantities shown include Initial Shotcrete Layer, 1st lift, Initial Shotcrete Layer, 2nd lift, Final Shotcrete Layer, pad and cutoff wall. Final Shotcrete layer includes Sculpted Rock Finish Texture.



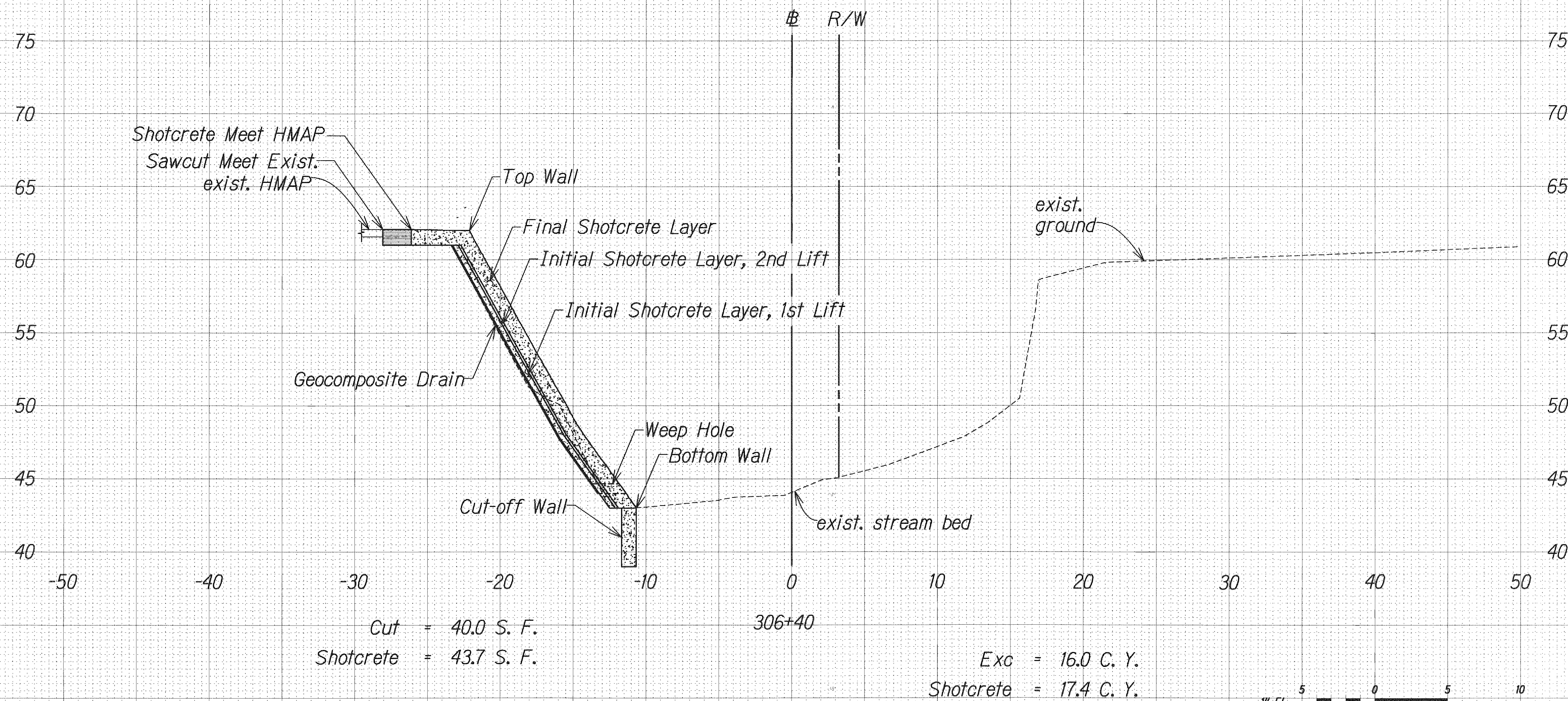
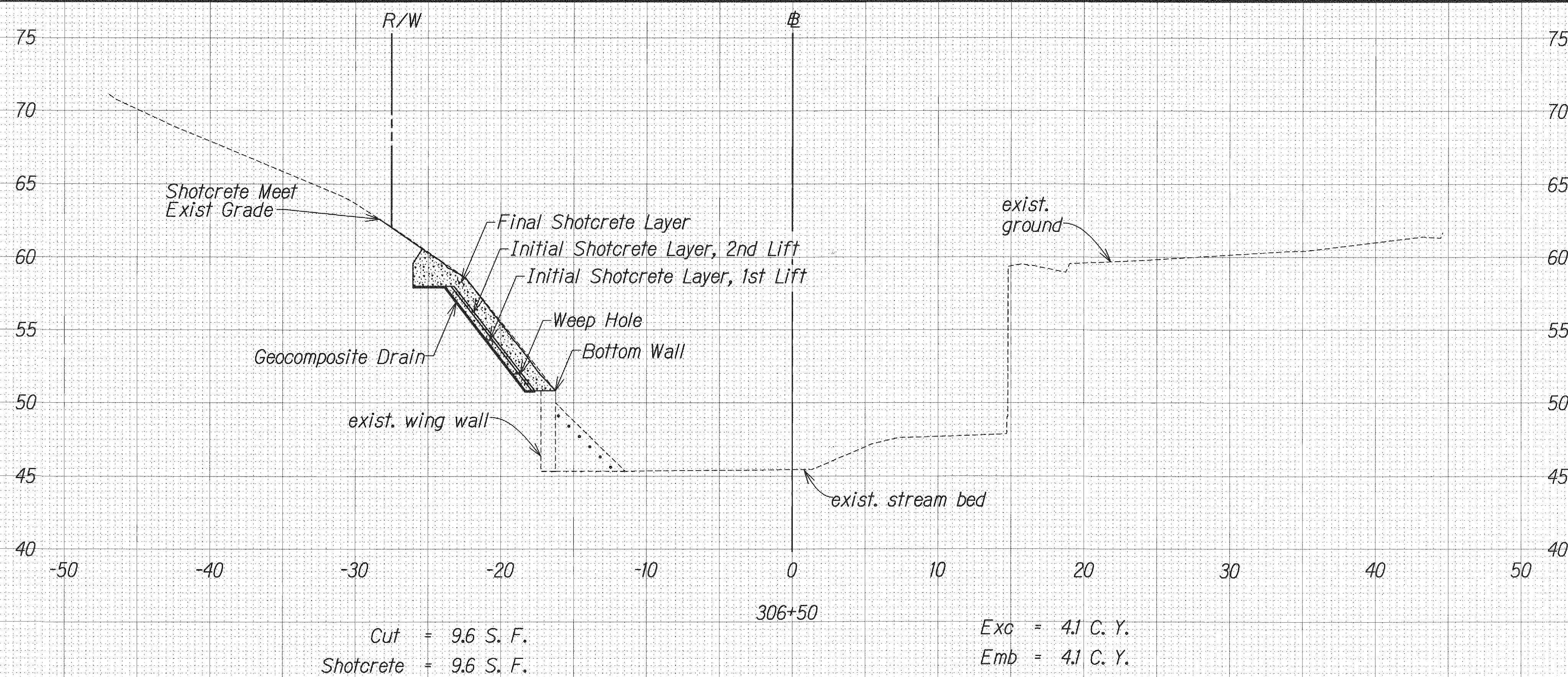
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ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	CHECKED BY	
	QUANTITIES BY	

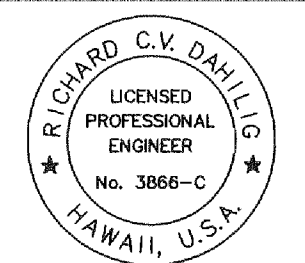
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FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H1E-01-11MR	2013	36	49

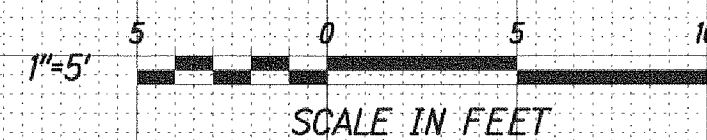


NOTES:

1. For top wall and bottom wall, elevations, See Table Sht. No. SN-3.
2. Shotcrete quantities shown include Initial Shotcrete Layer, 1st lift, Initial Shotcrete Layer, 2nd lift, Final Shotcrete Layer, pad and cutoff wall. Final Shotcrete layer includes Sculpted Rock Finish Texture.



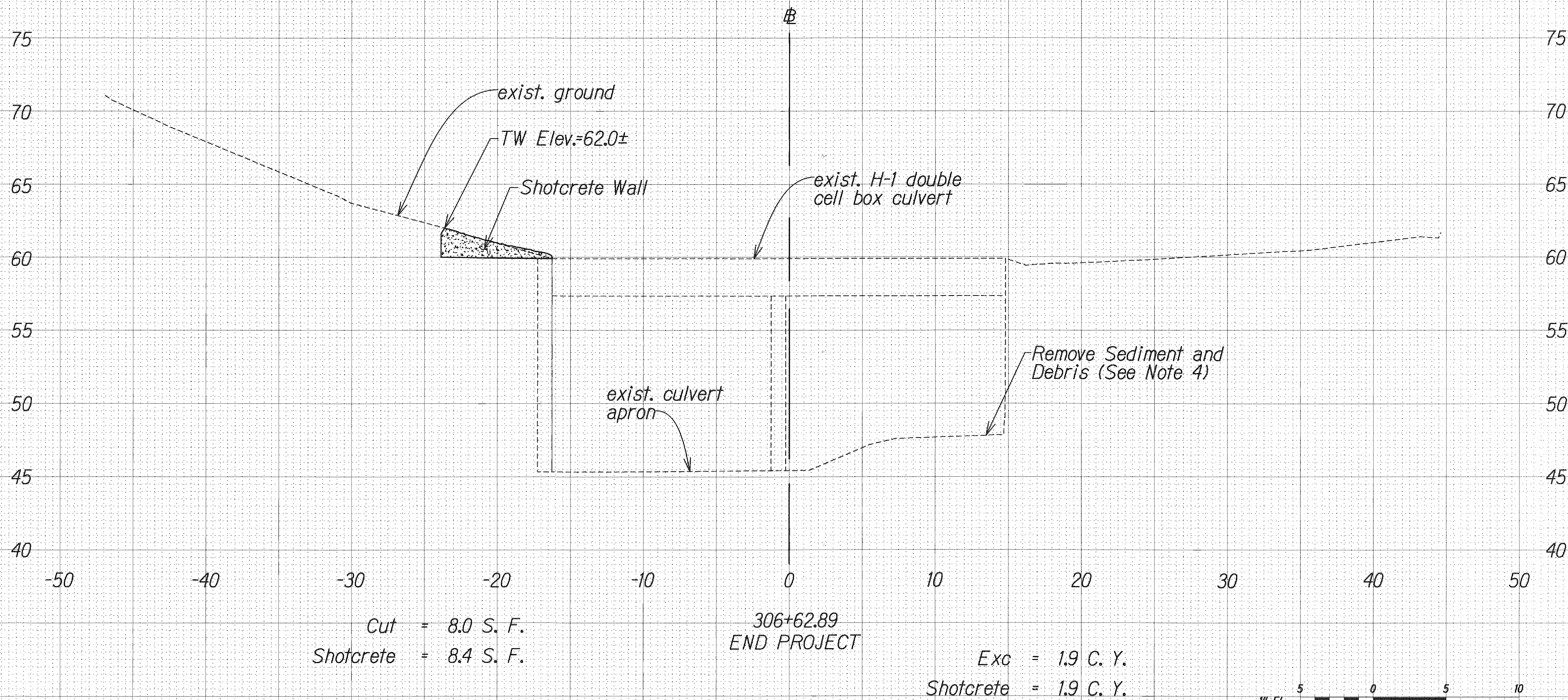
THIS WORK WAS PREPARED BY ME
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Richard C.V. Delle
SIGNATURE EXPIRATION DATE
OF THE LICENSE 04/30/14



SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

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FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HIE-01-11MR	2013	37	49



- NOTES:**
- For top wall and bottom wall elevations, See Table Sht. No. SN-3.
 - Shotcrete quantities shown include Initial Shotcrete Layer, 1st lift, Initial Shotcrete Layer, 2nd lift, Final Shotcrete Layer, pad and cutoff wall. Final Shotcrete layer includes Sculpted Rock Finish Texture.
 - See Erosion Control Notes Sht. No. EC-1 Note 2.

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NOTES BOOK	
QUANTITIES BY	
NO.	

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