



**REGULAR MEETING AGENDA
PAJARO DUNES GEOLOGIC HAZARD ABATEMENT DISTRICT
HYBRID MEETING in person at**

**2661 Beach Rd.
Watsonville, CA 95076**

Saturday, June 3rd, 2023 9:00 a.m.

And via ZOOM

Join Zoom Meeting

<https://us02web.zoom.us/j/82232811149?pwd=WWlvcUkwQlBpb1hULzIEUEV4UXV5UT09>

Meeting ID: 822 3281 1149

Passcode: 608360

Phone in: +1 669 900 9128 US

If you have any questions please contact the District Clerk at pdghad@gmail.com

A. OPEN SESSION CALL TO ORDER – PLEDGE OF ALLEGIANCE

Roll Call

**John Cullen, President
David Ferrari, Vice-President
Raphael Kraw, Treasurer**

**Michael Butner, Director
Patrick Dobbins, Director
Sarah Mansergh, Clerk**

B. MEMBER COMMENTS

Matters under the jurisdiction of the Board and not on the posted agenda, may be addressed by members of the public before the Board for consideration. However, California law prohibits the Board from taking action on any matter which is not on the posted agenda unless it is determined to be an emergency by the Board of PDGHAD. Any person wishing to address the Board during the Member Comment period shall be permitted to be heard for up to 3 minutes, A) individuals may speak only once and B) the Board is unable to address any owner comments in depth but may choose to direct the Clerk to follow-up on the matter for a future meeting.

C. PRESIDENT’S REMARKS

The President will use this opportunity to inform the public of issues affecting the District and other items of a general nature not otherwise provided for on this agenda.

1. 2023 Meeting Dates

June 3rd, 2023

August 5th, 2023

October 7th, 2023

December 9th, 2023

D. CONSENT CALENDAR

All matters listed on the Consent Calendar are considered to be routine by the Board of Directors and will be enacted by one motion at the appropriate time. There will be no separate discussion on these items. If discussion is desired, that item will be removed from the Consent Calendar and will be considered separately.

1. Approval of meeting minutes from May 6th, 2023

E. TREASURER’S REPORT

2. Financial Reports

- Financial Report through April 2023
- Warrant listing

F. MEETING reports

3. Meetings attended by Directors at District expense since the last meeting of the Board (per AB1234 requirements). Such reports may be made orally or in writing.

G. NEW BUSINESS

4. ITEM- Update on County application for grading permit

- a. Board report
- b. Public comment
- c. Board discussion
- d. Board action /direction

5. ITEM-Review and consider 2023/2024 FY Budgets

- a. Board report
- b. Public comment
- c. Board discussion
- d. Board action /direction

6. ITEM-California Special District Association Overview and membership consideration
 - a. Board report
 - b. Public comment
 - c. Board discussion
 - d. Board action /direction

H. DIRECTORS COMMENTS AND CONCERNS

Members of the Board of Directors may address items of concern at this time and may request that items be placed on future agendas in accordance with the By-laws of the Board.

I. ADJOURNMENT

The next Meeting of the Board of Directors is scheduled for August 5th, 2023, at 9:00 a.m. online via Zoom and at the offices of the Pajaro Dunes Geologic Hazard Abatement District, Board Room, Pajaro Dunes, 2661 Beach Road, Watsonville, CA 95076. Individuals who require special accommodations are requested to contact the District Clerk by calling (831) 818-9253, no less than 72 hours prior to the meeting or in the case of a Special Meeting, as soon as possible after the Agenda is posted. Copies of the agenda will be available 72 hours prior to the meeting and may be obtained by contacting the District at (831) 761-7744. All meetings are noticed and conducted in accordance with the Ralph M. Brown Act.

PDGHAD

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A. OPEN SESSION CALL TO ORDER – PLEDGE OF ALLEGIANCE

Roll Call

**John Cullen, President-present
David Ferrari, Vice-President-not present
Raphael Kraw, Treasurer-present**

**Michael Butner, Director-present
Patrick Dobbins, Director-present
Sarah Mansergh, Clerk-present**

Wendy Cumming (accountant), Mike Rodriquez (attorney)

B. MEMBER COMMENTS

Matters under the jurisdiction of the Board and not on the posted agenda, may be addressed by members of the public before the Board for consideration. However, California law prohibits the Board from taking action on any matter which is not on the posted agenda unless it is determined to be an emergency by the Board of PDGHAD. Any person wishing to address the Board during the Member Comment period shall be permitted to be heard for up to 3 minutes, A) individuals may speak only once and B) the Board is unable to address any owner comments in depth but may choose to direct the Clerk to follow-up on the matter for a future meeting.

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D. CONSENT CALENDAR

All matters listed on the Consent Calendar are considered to be routine by the Board of Directors and will be enacted by one motion at the appropriate time. There will be no separate discussion on these items. If discussion is desired, that item will be removed from the Consent Calendar and will be considered separately.

1. Approval of meeting minutes from March 11th, 2023

Rafael Kraw moves to approve the meeting minutes from March 11th. Michael Butner seconds. All approve.

E. TREASURER'S REPORT

2. Financial Reports

- Financial Report through March 2023
- Warrant listing

Wendy Cumming presented financial reports through March 2023. No major changes to expenditures. Engineering invoices are up to date.

F. MEETING reports

2. Meetings attended by Directors at District expense since the last meeting of the Board (per AB1234 requirements). Such reports may be made orally or in writing.

3.

No meetings were attended.

G. NEW BUSINESS

4. ITEM- Update on County application for grading permit

- a. Board report
- b. Public comment
- c. Board discussion
- d. Board action /direction

John Cullen gave an update communication from Dan Peluso about the status of the permit application. Plans are at 99.9%. The engineering firm is investigating the use of possibly existing rock by rearranging materials along the revetment.

5. ITEM-Review and consider 2023/2024 FY Budgets

- a. Board report
- b. Public comment
- c. Board discussion
- d. Board action /direction

Wendy presented a draft budget. Considering the possibility of an assessment election in 2023/24 and will review expenses from 2018 as well as estimates for permitting amounts. Will return with an updated budget in June.

6. ITEM-California Special District Association Overview and membership discussion

- a. Board report
- b. Public comment
- c. Board discussion
- d. Board action /direction

Item was postponed-will consider membership at a future meeting.

7. ITEM-Discuss announcement items for the Homeowners meeting on May 20th

- a. Board report
- b. Public comment
- c. Board discussion
- d. Board action /direction

John will provide a short update at the homeowners meeting describing the current status of the permit process.

H. DIRECTORS COMMENTS AND CONCERNS

Members of the Board of Directors may address items of concern at this time and may request that items be placed on future agendas in accordance with the By-laws of the Board.

I. ADJOURNMENT

Meeting was adjourned at 9:53 am.

The next Meeting of the Board of Directors is scheduled for June 3rd, 2023, at 9:00 a.m. online via Zoom and at the offices of the Pajaro Dunes Geologic Hazard Abatement District, Board Room, Pajaro Dunes, 2661 Beach Road, Watsonville, CA 95076. Individuals who require special accommodations are requested to contact the District Clerk by calling (831) 818-9253, no less than 72 hours prior to the meeting or in the case of a Special Meeting, as soon as possible after the

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DRAFT

Pajaro Dunes Geologic Hazard Abatement District

Balance Sheet

As of April 30, 2023

Apr 30, 23

ASSETS

Current Assets

Checking/Savings

100000 · SCCB Z1 - Checking 3957	272,789
100001 · SCCB Z2 - Checking 3965	86,665
100002 · SCCB Z1 Emerg - MM 1877	670,638
100003 · SCCB LTD - MM 0208	49,534
100004 · SCCB Bond Holding - MM 1232	<u>300,822</u>

Total Checking/Savings 1,380,448

Accounts Receivable

120000 · Assessments Receivable	<u>83,523</u>
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Total Accounts Receivable 83,523

Other Current Assets

121500 · Prepaid Insurance	16,362
121600 · Prepaid Expenses	<u>1,000</u>

Total Other Current Assets 17,362

Total Current Assets 1,481,333

Fixed Assets

150000 · Riverwall	3,000,000
160000 · Accumulated Depreciation	<u>-1,833,330</u>

Total Fixed Assets 1,166,670

Other Assets

182000 · Def. Outflow of Resource (Rock)	<u>16,203</u>
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Total Other Assets 16,203

TOTAL ASSETS 2,664,206

LIABILITIES & EQUITY

Liabilities

Current Liabilities

Accounts Payable

200000 · Accounts Payable	<u>30,633</u>
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Total Accounts Payable 30,633

Other Current Liabilities

220000 · Accrued Interest	<u>8,853</u>
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Total Other Current Liabilities 8,853

Total Current Liabilities 39,486

Long Term Liabilities

285000 · Bonds Payable Z2	910,000
286000 · Bonds Payable Discount Z2	-52,250
286500 · Amort. Bond Discount Z2	<u>37,777</u>

Total Long Term Liabilities 895,527

Total Liabilities 935,013

Equity

30000 · Opening Balance Equity	608,448
32000 · Retained Earnings	1,131,369
Net Income	<u>-10,624</u>

Total Equity 1,729,193

TOTAL LIABILITIES & EQUITY 2,664,206

Note ~ GHAD owns \$15k of rock that is stored at Granite Rock

Pajaro Dunes Geologic Hazard Abatement District
Profit & Loss Budget vs. Actual
 July 2022 through April 2023

	Zone 1			
	Jul '22 - Apr 23	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
410000 · Assessment Income	131,330	131,330		100%
410050 · Assess. Income PDA Stairs	5,377	4,797	580	112%
Total Income	136,707	136,127	580	100%
Expense				
610155 · Postage and Mailings	295	1,373	-1,078	21%
610156 · Election Costs		2,719	-2,719	
61510 · Advertising		549	-549	
615115 · Office Expense	1,143	500	643	229%
615140 · Audit Expense	9,000	10,984	-1,984	82%
61518 · Clerk	2,663	7,689	-5,026	35%
615415 · Accounting	10,150	17,772	-7,622	57%
615416 · Assessment Admin. Expense	2,720	8,788	-6,068	31%
615617 · Website Maintenance		1,373	-1,373	
615655 · Dues		550	-550	
615656 · Board/Clerk Education		2,417	-2,417	
616500 · Legal Fees	2,460	16,477	-14,017	15%
619010 · Technical Consulting Costs	77,914	108,357	-30,443	72%
628500 · Insurance Expense	13,731	13,731	0	100%
629030 · SBA Repayment to PHA Z2				
629900 · Bond Fee Expense				
650000 · Bank Service Charges				
750000 · Depreciation Expense Z2				
Total Expense	120,076	193,279	-73,203	62%
Net Ordinary Income	16,631	-57,152	73,783	-29%
Other Income/Expense				
Other Income				
410070 · Interest & Penalty Income	959	42	917	2,283%
Total Other Income	959	42	917	2,283%
Other Expense				
855000 · Interest Expense				
955500 · Interest Bond Discount				
Total Other Expense				
Net Other Income	959	42	917	2,283%
Net Income	17,590	-57,110	74,700	-31%

Pajaro Dunes Geologic Hazard Abatement District
Profit & Loss Budget vs. Actual
 July 2022 through April 2023

Zone 2

	<u>Jul '22 - Apr 23</u>	<u>Budget</u>	<u>\$ Over Budget</u>	<u>% of Budget</u>
Ordinary Income/Expense				
Income				
410000 · Assessment Income	174,706	174,706	0	100%
410050 · Assess. Income PDA Stairs	1,117	1,117		100%
Total Income	<u>175,823</u>	<u>175,823</u>	<u>0</u>	<u>100%</u>
Expense				
610155 · Postage and Mailings				
610156 · Election Costs				
61510 · Advertising				
615115 · Office Expense				
615140 · Audit Expense				
61518 · Clerk	814		814	100%
615415 · Accounting				
615416 · Assessment Admin. Expense	212	1,141	-929	19%
615617 · Website Maintenance				
615655 · Dues				
615656 · Board/Clerk Education		2,378	-2,378	
616500 · Legal Fees				
619010 · Technical Consulting Costs				
628500 · Insurance Expense				
629030 · SBA Repayment to PHA Z2	77,380	77,380		100%
629900 · Bond Fee Expense		697	-697	
650000 · Bank Service Charges		458	-458	
750000 · Depreciation Expense Z2	83,330	83,330		100%
Total Expense	<u>161,736</u>	<u>165,384</u>	<u>-3,648</u>	<u>98%</u>
Net Ordinary Income	<u>14,087</u>	<u>10,439</u>	<u>3,648</u>	<u>135%</u>
Other Income/Expense				
Other Income				
410070 · Interest & Penalty Income	2,125	125	2,000	1,700%
Total Other Income	<u>2,125</u>	<u>125</u>	<u>2,000</u>	<u>1,700%</u>
Other Expense				
855000 · Interest Expense	42,688	42,688		100%
955500 · Interest Bond Discount	1,740	1,740		100%
Total Other Expense	<u>44,428</u>	<u>44,428</u>		<u>100%</u>
Net Other Income	<u>-42,303</u>	<u>-44,303</u>	<u>2,000</u>	<u>95%</u>
Net Income	<u><u>-28,216</u></u>	<u><u>-33,864</u></u>	<u><u>5,648</u></u>	<u><u>83%</u></u>

Pajaro Dunes Geologic Hazard Abatement District

Profit & Loss Budget vs. Actual

July 2022 through April 2023

	TOTAL			
	Jul '22 - Apr 23	Budget	\$ Over Budget	% of Budget
Ordinary Income/Expense				
Income				
410000 · Assessment Income	306,036	306,036	0	100%
410050 · Assess. Income PDA Stairs	6,494	5,914	580	110%
Total Income	<u>312,530</u>	<u>311,950</u>	<u>580</u>	<u>100%</u>
Expense				
610155 · Postage and Mailings	295	1,373	-1,078	21%
610156 · Election Costs		2,719	-2,719	
61510 · Advertising		549	-549	
615115 · Office Expense	1,143	500	643	229%
615140 · Audit Expense	9,000	10,984	-1,984	82%
61518 · Clerk	3,477	7,689	-4,212	45%
615415 · Accounting	10,150	17,772	-7,622	57%
615416 · Assessment Admin. Expense	2,932	9,929	-6,997	30%
615617 · Website Maintenance		1,373	-1,373	
615655 · Dues		550	-550	
615656 · Board/Clerk Education		4,795	-4,795	
616500 · Legal Fees	2,460	16,477	-14,017	15%
619010 · Technical Consulting Costs	77,914	108,357	-30,443	72%
628500 · Insurance Expense	13,731	13,731	0	100%
629030 · SBA Repayment to PHA Z2	77,380	77,380		100%
629900 · Bond Fee Expense		697	-697	
650000 · Bank Service Charges		458	-458	
750000 · Depreciation Expense Z2	83,330	83,330		100%
Total Expense	<u>281,812</u>	<u>358,663</u>	<u>-76,851</u>	<u>79%</u>
Net Ordinary Income	<u>30,718</u>	<u>-46,713</u>	<u>77,431</u>	<u>-66%</u>
Other Income/Expense				
Other Income				
410070 · Interest & Penalty Income	3,084	167	2,917	1,847%
Total Other Income	<u>3,084</u>	<u>167</u>	<u>2,917</u>	<u>1,847%</u>
Other Expense				
855000 · Interest Expense	42,688	42,688		100%
955500 · Interest Bond Discount	1,740	1,740		100%
Total Other Expense	<u>44,428</u>	<u>44,428</u>		<u>100%</u>
Net Other Income	<u>-41,344</u>	<u>-44,261</u>	<u>2,917</u>	<u>93%</u>
Net Income	<u><u>-10,626</u></u>	<u><u>-90,974</u></u>	<u><u>80,348</u></u>	<u><u>12%</u></u>

**Pajaro Dunes Geologic Hazard Abatement District
Bank Account Activity**

As of April 30, 2023

	<u>Type</u>	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Debit</u>	<u>Credit</u>	<u>Balance</u>
100000 - SCCB Z1 - Checking 3957							272,789.40
Total 100000 - SCCB Z1 - Checking 3957							272,789.40
100001 - SCCB Z2 - Checking 3965							86,665.42
Total 100001 - SCCB Z2 - Checking 3965							86,665.42
100002 - SCCB Z1 Emerg - MM 1877							670,637.71
Total 100002 - SCCB Z1 Emerg - MM 1877							670,637.71
100003 - SCCB LTD - MM 0208							49,411.53
	Deposit	04/30/2023			121.98		49,533.51
Total 100003 - SCCB LTD - MM 0208					121.98	0.00	49,533.51
100004 - SCCB Bond Holding - MM 1232							300,080.85
	Deposit	04/30/2023			740.81		300,821.66
Total 100004 - SCCB Bond Holding - MM 1232					740.81	0.00	300,821.66
TOTAL					862.79	0.00	1,380,447.70

PAJARO DUNES GHAD

ROCK REVETMENT MAINTENANCE LOTS 1-12, 15, 54-55, 94-103, AND 107 PAJARO DUNES RESORT WATSONVILLE, CALIFORNIA

MARCH 2023

GENERAL NOTES

1. STANDARD SPECIFICATIONS

ALL MATERIALS AND CONSTRUCTION METHODS SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS, 2018 EDITION, UNLESS OTHERWISE NOTED ON THESE PLANS.

2. PERMITS

THE OWNER WILL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS.

3. TRAFFIC CONTROL AND PUBLIC SAFETY

THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FENCING, FLAGGING, AND OTHER DEVICES NECESSARY FOR TRAFFIC CONTROL AND PUBLIC SAFETY.

4. EXISTING FACILITIES

EXISTING SITE IMPROVEMENTS TO REMAIN MAY INTERFERE WITH THE WORK. THESE FACILITIES SHALL BE PROTECTED OR REMOVED AND REPLACED WITH LIKE KIND AND QUALITY AT THE CONTRACTOR'S EXPENSE.

5. SITE INFORMATION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL ABOVE GROUND AND UNDERGROUND FACILITIES WHICH MAY BE AFFECTED BY HIS OPERATIONS. THE CONTRACTOR SHALL CONTACT OWNERS OF THESE FACILITIES AND SHALL PROTECT FACILITIES AND MAINTAIN SERVICE DURING CONSTRUCTION. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444 AT LEAST THREE WORKING DAYS PRIOR TO CONSTRUCTION.

DIMENSIONS AND LIMITS OF WORK SHOWN ON THE PLANS ARE APPROXIMATE AND ARE SUBJECT TO CHANGE BASED ON CONDITIONS ENCOUNTERED. CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND SITE CONDITIONS PRIOR TO THE START OF CONSTRUCTION. DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND THOSE SHOWN ON THE PLANS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.

6. INSPECTIONS

ENGINEERING INSPECTIONS WILL BE CARRIED OUT BY CAL ENGINEERING & GEOLOGY, INC. (925) 935-9771. THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER AT LEAST TWO WORKING DAYS PRIOR TO ALL REQUIRED INSPECTIONS.

7. STAGING RESTORATION

STAGING AREAS SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION CONDITION. CONTRACTOR SHALL DOCUMENT THE PRE-CONSTRUCTION CONDITION OF ALL STAGING AREAS AND ACCESS ROUTES PRIOR TO CONSTRUCTION. PAVEMENT AREAS SHALL BE RESTORED BY REMOVING AND REPLACING THE DAMAGED PAVEMENT WITH 3" AC (TYPE A) OVER 6" CLASS 2 AB AS DIRECTED BY THE ENGINEER.

DESCRIPTION OF WORK

THE WORK SHALL CONSIST IN GENERAL OF PROVIDING ALL MATERIAL, LABOR, AND EQUIPMENT NECESSARY TO COMPLETE THE REVETMENT MAINTENANCE PROJECT. WORK SHALL INCLUDE, BUT NOT BE LIMITED TO, MOBILIZATION, WATER POLLUTION CONTROL, TRAFFIC CONTROL, ESTABLISHING SITE ACCESS AND STAGING AREAS, CLEARING AND GRUBBING, EXCAVATION SHORING AS REQUIRED, TEMPORARY EXCAVATION AND BACKFILL IN SAND, AND RELOCATING AND STACKING EXISTING BURIED REVETMENT ROCKS.

CONTRACTOR LICENSE

THE CONTRACTOR SHALL POSSESS A VALID CLASS A LICENSE AT THE TIME THE CONTRACT IS AWARDED.

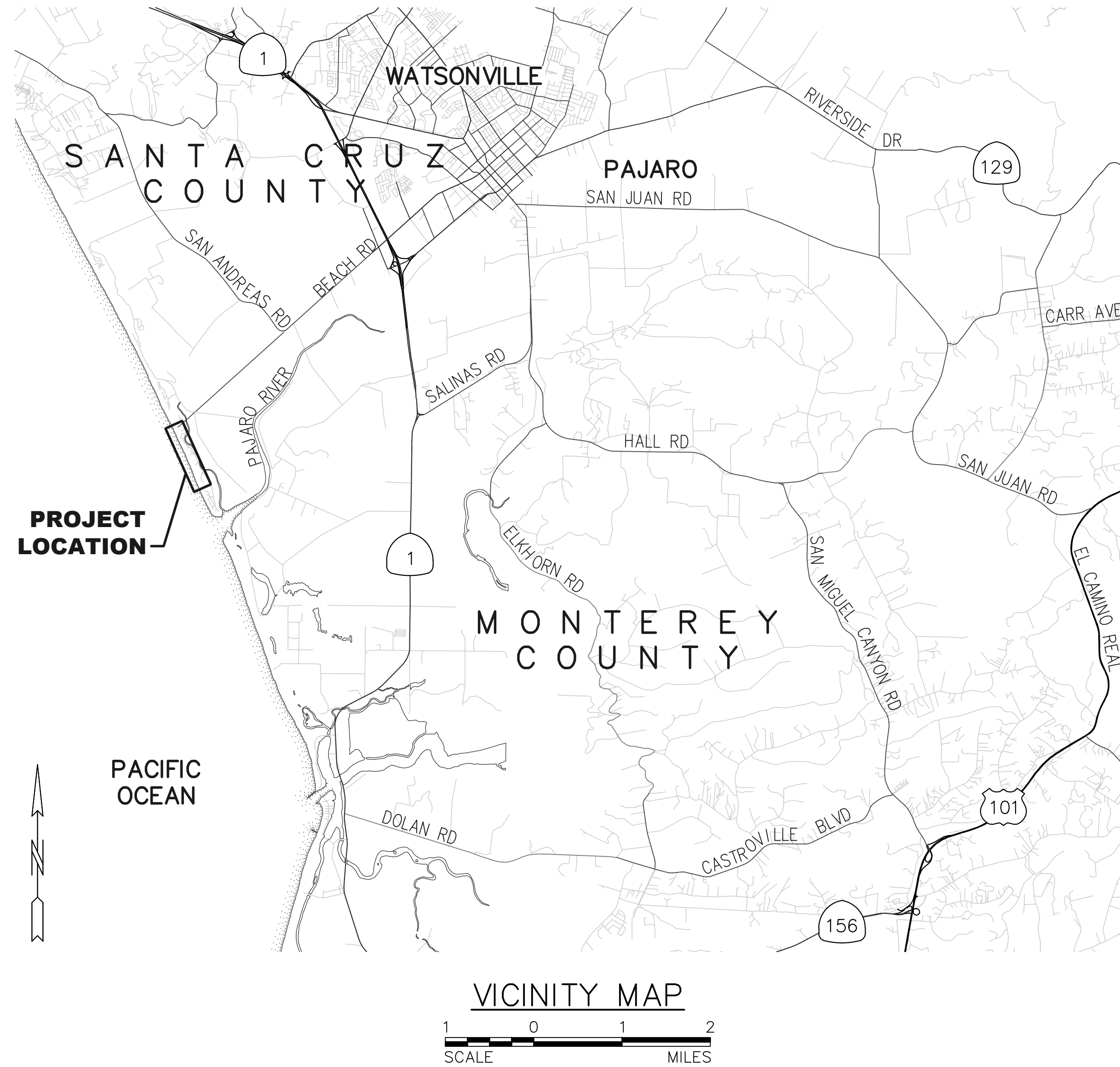
INDEX OF SHEETS

1. TITLE SHEET
2. TYPICAL SECTION
3. PROJECT CONTROL
4. SITE ACCESS AND STAGING AREAS
- 5.-9. SITE PLAN
- 10.-16. SECTIONS

STANDARD PLANS

THE FOLLOWING STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD PLANS, 2010 EDITION, APPLY:

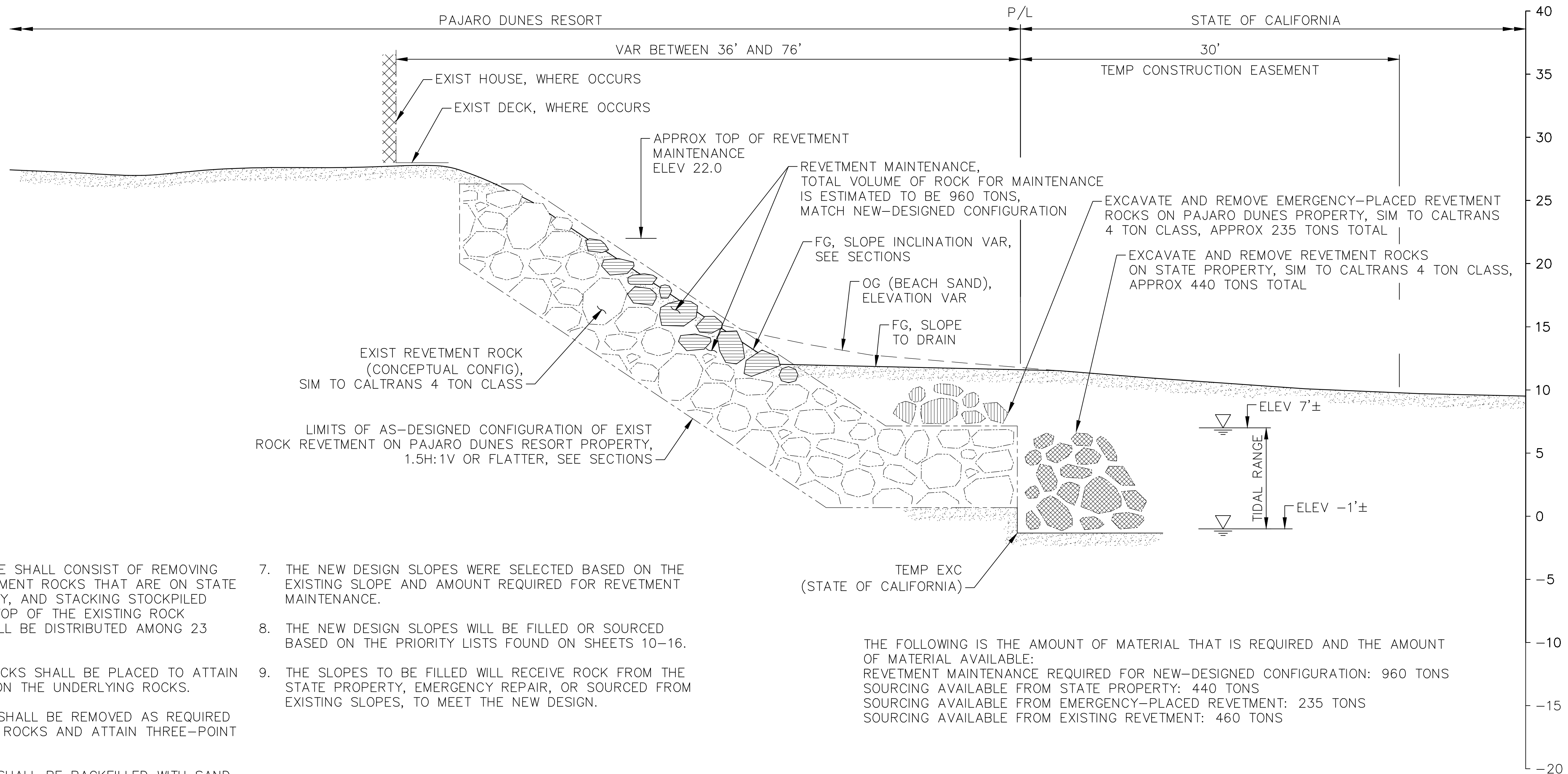
- A10A ABBREVIATIONS (SHEET 1 OF 2)
- A10B ABBREVIATIONS (SHEET 2 OF 2)
- A10C LINES AND SYMBOLS (SHEET 1 OF 3)
- A10D LINES AND SYMBOLS (SHEET 2 OF 3)
- A10E LINES AND SYMBOLS (SHEET 3 OF 3)



**100% SUBMITTAL
NOT FOR CONSTRUCTION
MAY 2023**

		785 Ygnacio Valley Road Walnut Creek, CA 94596 Phone: (925) 935-9771		PAJARO DUNES GHAD ROCK REVETMENT MAINTENANCE PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA TITLE SHEET	
DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 190780	DATE MAY 2023	SHEET NO. OF 1 16

Y:\2019\190782-PajaroDunesGHAD-O&M\AutoCAD-Plan Set\Sheets\02-TYPICAL-SECTION.dwg 5-25-23 09:45:42 AM crodil

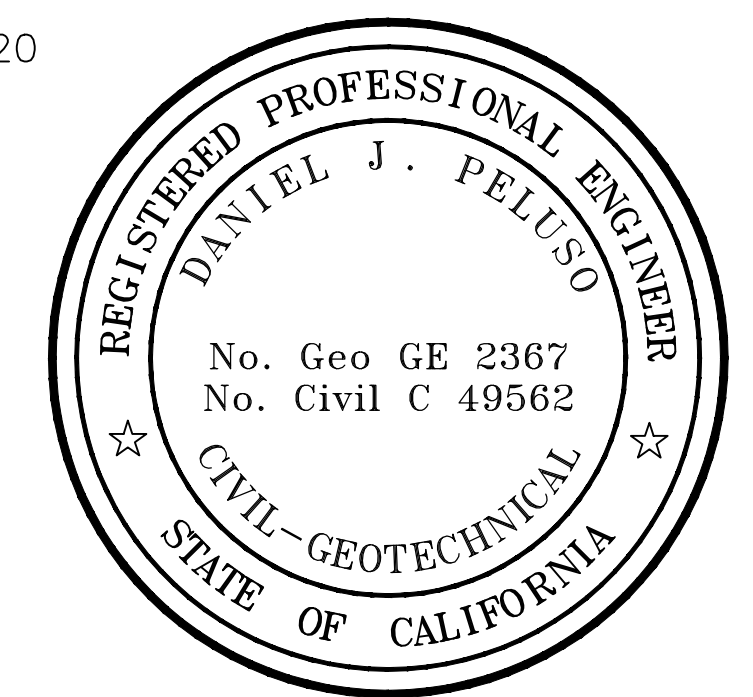


NOTES

1. REVETMENT MAINTENANCE SHALL CONSIST OF REMOVING AND STOCKPILING REVETMENT ROCKS THAT ARE ON STATE OF CALIFORNIA PROPERTY, AND STACKING STOCKPILED REVETMENT ROCKS ON TOP OF THE EXISTING ROCK REVETMENT. ROCKS SHALL BE DISTRIBUTED AMONG 23 PARCELS.
2. STACKED REVETMENT ROCKS SHALL BE PLACED TO ATTAIN THREE-POINT BEARING ON THE UNDERLYING ROCKS.
3. VEGETATION AND SAND SHALL BE REMOVED AS REQUIRED TO EXPOSE UNDERLYING ROCKS AND ATTAIN THREE-POINT BEARING PLACEMENT.
4. VOIDS BETWEEN ROCKS SHALL BE BACKFILLED WITH SAND TO THE FINISHED GRADE LINES SHOWN.
5. SHOP DRAWINGS AND CALCULATIONS FOR CONTRACTOR-DESIGNED SHORING SHALL BE PROVIDED TO THE ENGINEER FOR REVIEW A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION. THE SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND STAMPED BY A PROFESSIONAL CIVIL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA. THE SHOP DRAWINGS SHOULD DESCRIBE HOW THE SHORING WILL PROTECT THE EXISTING REVETMENT DURING SAND EXCAVATION.
6. NEW REVETMENT DESIGN SLOPES FOUND IN CROSS-SECTIONS (SHEETS 10-16) ARE BASED OFF OF THE ORIGINAL DESIGN BY ROGERS E. JOHNSON & ASSOCIATES (1986) AND THE EMERGENCY REPAIR BY HARO, KASUNICH & ASSOCIATES (2003). SEE ATTACHED DOCUMENTS.
7. THE NEW DESIGN SLOPES WERE SELECTED BASED ON THE EXISTING SLOPE AND AMOUNT REQUIRED FOR REVETMENT MAINTENANCE.
8. THE NEW DESIGN SLOPES WILL BE FILLED OR SOURCED BASED ON THE PRIORITY LISTS FOUND ON SHEETS 10-16.
9. THE SLOPES TO BE FILLED WILL RECEIVE ROCK FROM THE STATE PROPERTY, EMERGENCY REPAIR, OR SOURCED FROM EXISTING SLOPES, TO MEET THE NEW DESIGN.

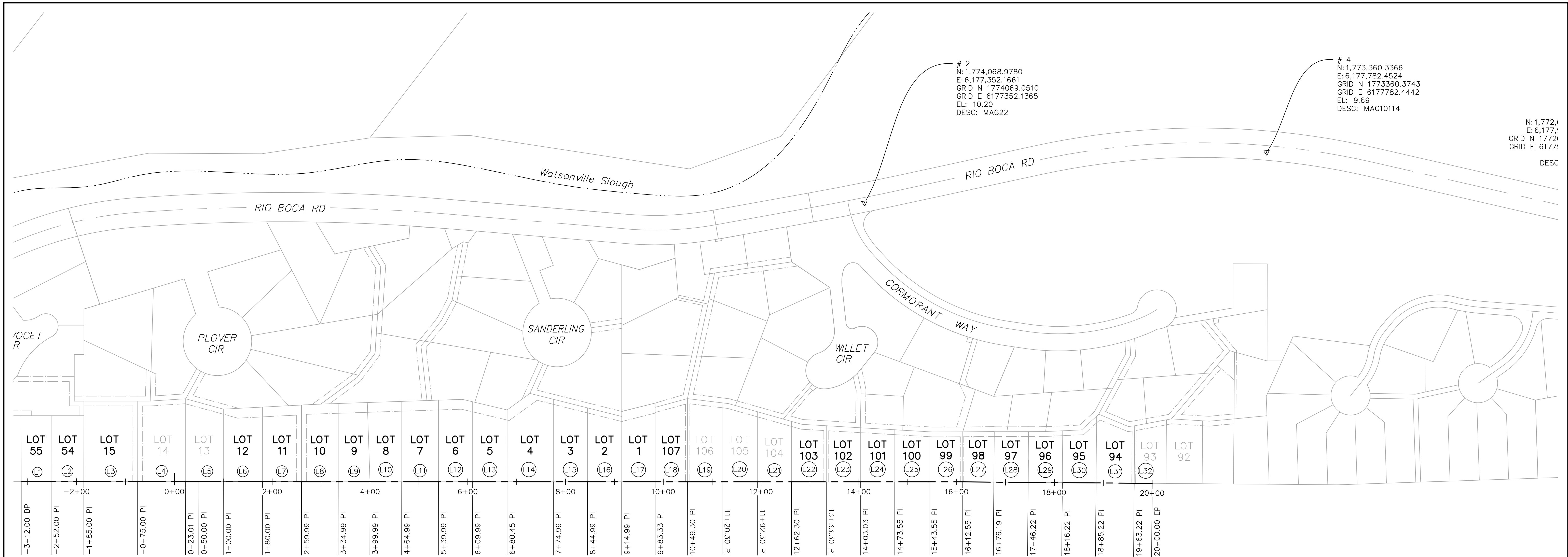
THE FOLLOWING IS THE AMOUNT OF MATERIAL THAT IS REQUIRED AND THE AMOUNT OF MATERIAL AVAILABLE:
 REVETMENT MAINTENANCE REQUIRED FOR NEW-DESIGNED CONFIGURATION: 960 TONS
 SOURCING AVAILABLE FROM STATE PROPERTY: 440 TONS
 SOURCING AVAILABLE FROM EMERGENCY-PLACED REVETMENT: 235 TONS
 SOURCING AVAILABLE FROM EXISTING REVETMENT: 460 TONS

**100% SUBMITTAL
NOT FOR CONSTRUCTION
MAY 2023**



CAL ENGINEERING & GEOLOGY		785 Ygnacio Valley Road Walnut Creek, CA 94596 Phone: (925) 935-9771		PAJARO DUNES GHAD	
		ROCK REVETMENT MAINTENANCE PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA TYPICAL SECTION			
DESIGNED	DRAWN	CHECKED	PROJECT NO.	DATE	SHEET NO. OF
C. HOCKETT	K. DROZYNSKA	D. PELUSO	190780	MAY 2023	2 OF 16

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2
 N: 1,774,068.9780
 E: 6,177,352.1661
 GRID N 1774069.0510
 GRID E 6177352.1365
 EL: 10.20
 DESC: MAG22

4
 N: 1,773,360.3366
 E: 6,177,782.4524
 GRID N 1773360.3743
 GRID E 6177782.4442
 EL: 9.69
 DESC: MAG10114

N: 1,772,1
 E: 6,177,1
 GRID N 17721
 GRID E 61771
 DESC

LOT	PI	STATION
LOT 55	L1	-3+12.00 BP
LOT 54	L2	-2+52.00 PI
LOT 15	L3	-1+85.00 PI
LOT 14	L4	-0+75.00 PI
LOT 13	L5	0+23.01 PI
LOT 13	L5	0+50.00 PI
LOT 12	L6	1+00.00 PI
LOT 11	L7	1+80.00 PI
LOT 10	L8	2+59.99 PI
LOT 9	L9	3+34.99 PI
LOT 8	L10	3+99.99 PI
LOT 7	L11	4+64.99 PI
LOT 6	L12	5+39.99 PI
LOT 5	L13	6+09.99 PI
LOT 4	L14	6+80.45 PI
LOT 3	L15	7+74.99 PI
LOT 2	L16	8+44.99 PI
LOT 1	L17	9+14.99 PI
LOT 107	L18	9+83.33 PI
LOT 106	L19	10+49.30 PI
LOT 105	L20	11+20.30 PI
LOT 104	L21	11+05.26+11 PI
LOT 103	L22	12+62.30 PI
LOT 102	L23	13+33.30 PI
LOT 101	L24	14+03.03 PI
LOT 100	L25	14+73.55 PI
LOT 99	L26	15+43.55 PI
LOT 98	L27	16+12.55 PI
LOT 97	L28	16+76.19 PI
LOT 96	L29	17+46.22 PI
LOT 95	L30	18+16.22 PI
LOT 94	L31	18+85.22 PI
LOT 93	L32	19+63.22 PI
LOT 92	L32	20+00.00 EP

LAYOUT LINE (LOL)					
SEGMENT	LENGTH	BEARING	START STATION	START NORTHING	START EASTING
L1	60.00'	S24°05'08"E	-3+12.00	1775409.28	6176127.69
L2	67.00'	S24°05'08"E	-2+52.00	1775354.50	6176152.18
L3	110.00'	S24°05'08"E	-1+85.00	1775293.33	6176179.52
L4	98.01'	S24°05'08"E	-0+75.00	1775192.91	6176224.41
L5	50.00'	S24°05'08"E	0+50.00	1775078.79	6176275.42
L6	80.00'	S24°05'08"E	1+00.00	1775033.14	6176295.83
L7	79.99'	S24°05'08"E	1+80.00	1774960.10	6176328.48
L8	75.00'	S24°05'08"E	2+59.99	1774887.08	6176361.12
L9	65.00'	S24°05'08"E	3+34.99	1774818.61	6176391.73
L10	65.00'	S24°05'08"E	3+99.99	1774759.26	6176418.26
L11	75.00'	S24°05'08"E	4+64.99	1774699.92	6176444.78
L12	70.00'	S24°05'08"E	5+39.99	1774631.45	6176475.39
L13	70.46'	S24°05'08"E	6+09.99	1774567.55	6176503.96
L14	94.54'	S24°05'08"E	6+80.45	1774503.22	6176532.71
L15	70.00'	S24°05'08"E	7+74.99	1774416.91	6176571.29
L16	70.00'	S24°05'08"E	8+44.99	1774353.01	6176599.86

LAYOUT LINE (LOL)					
SEGMENT	LENGTH	BEARING	START STATION	START NORTHING	START EASTING
L17	68.34'	S24°05'08"E	9+14.99	1774289.10	6176628.43
L18	65.97'	S24°01'29"E	9+83.33	1774226.71	6176656.32
L19	71.00'	S24°05'59"E	10+49.30	1774166.46	6176683.18
L20	72.00'	S24°07'38"E	11+20.30	1774101.65	6176712.17
L21	70.00'	S24°03'31"E	11+92.30	1774035.94	6176741.60
L22	71.00'	S24°06'43"E	12+62.30	1773972.02	6176770.13
L23	69.73'	S24°05'08"E	13+33.30	1773907.21	6176799.14
L24	70.52'	S24°05'08"E	14+03.03	1773843.55	6176827.60
L25	70.00'	S24°05'08"E	14+73.55	1773779.17	6176856.38
L26	69.00'	S24°05'08"E	15+43.55	1773715.27	6176884.94
L27	63.64'	S23°40'04"E	16+12.55	1773652.27	6176913.10
L28	70.02'	S23°40'04"E	16+76.19	1773593.99	6176938.65
L29	70.00'	S23°39'18"E	17+46.22	1773529.85	6176966.76
L30	69.00'	S23°39'18"E	18+16.22	1773465.74	6176994.84
L31	78.00'	S23°39'18"E	18+85.22	1773402.53	6177022.53
L32	36.78'	S23°39'18"E	19+63.22	1773331.09	6177053.82

LEGEND
 △ BENCHMARK
 — PROPERTY LINE
 - - - EASEMENT

UAV DATA REFERENCE
 1. CONTOURS CALCULATED FROM PHOTOGRAMMETRICALLY-DERIVED DIGITAL ELEVATION MODEL, UAV FLIGHT PERFORMED ON 18 NOVEMBER 2019.
 2. HIGH RESOLUTION ORTHOIMAGERY CAPTURED BY CE&G ON 18 NOVEMBER 2019.
 HORIZONTAL DATUM: COORDINATES ARE APPROXIMATE TO NAD83 CALIFORNIA ZONE 3 VALUES.
 VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)



**100% SUBMITTAL
 NOT FOR CONSTRUCTION
 MAY 2023**

 CAL ENGINEERING & GEOLOGY	785 Ygnacio Valley Road Walnut Creek, CA 94596 Phone: (925) 935-9771		PAJARO DUNES GHAD ROCK REVETMENT MAINTENANCE PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA PROJECT CONTROL	
	DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 190780

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NOTES

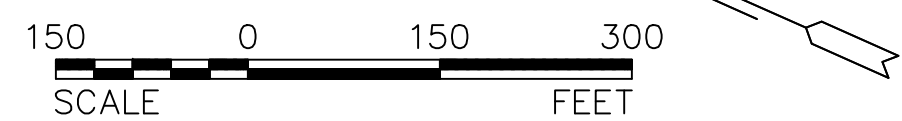
1. VEHICULAR ACCESS TO THE BEACH SHALL BE LIMITED TO THE PRIMARY AND SECONDARY VEHICULAR ACCESS ROUTES SHOWN. BEACH ACCESS FROM THE PARKING AREAS ALONG RIO BOCA ROAD SHALL BE LIMITED TO PEDESTRIANS ONLY.

LEGEND

- SITE ACCESS
- POTENTIAL STAGING AREA (PARKING LOT), PEDESTRIAN ACCESS ONLY
- POTENTIAL STAGING AREA (UNDEVELOPED)

TEMPORARY CONSTRUCTION EASEMENT

POINT TABLE		
#	NORTHING	EASTING
#1	1773297.39	6177068.58
#2	1773285.36	6177041.10
#3	1775020.90	6176268.44
#4	1775024.98	6176277.57
#5	1777588.94	6175128.90
#6	1777600.92	6175145.45



BASEMAP REFERENCE

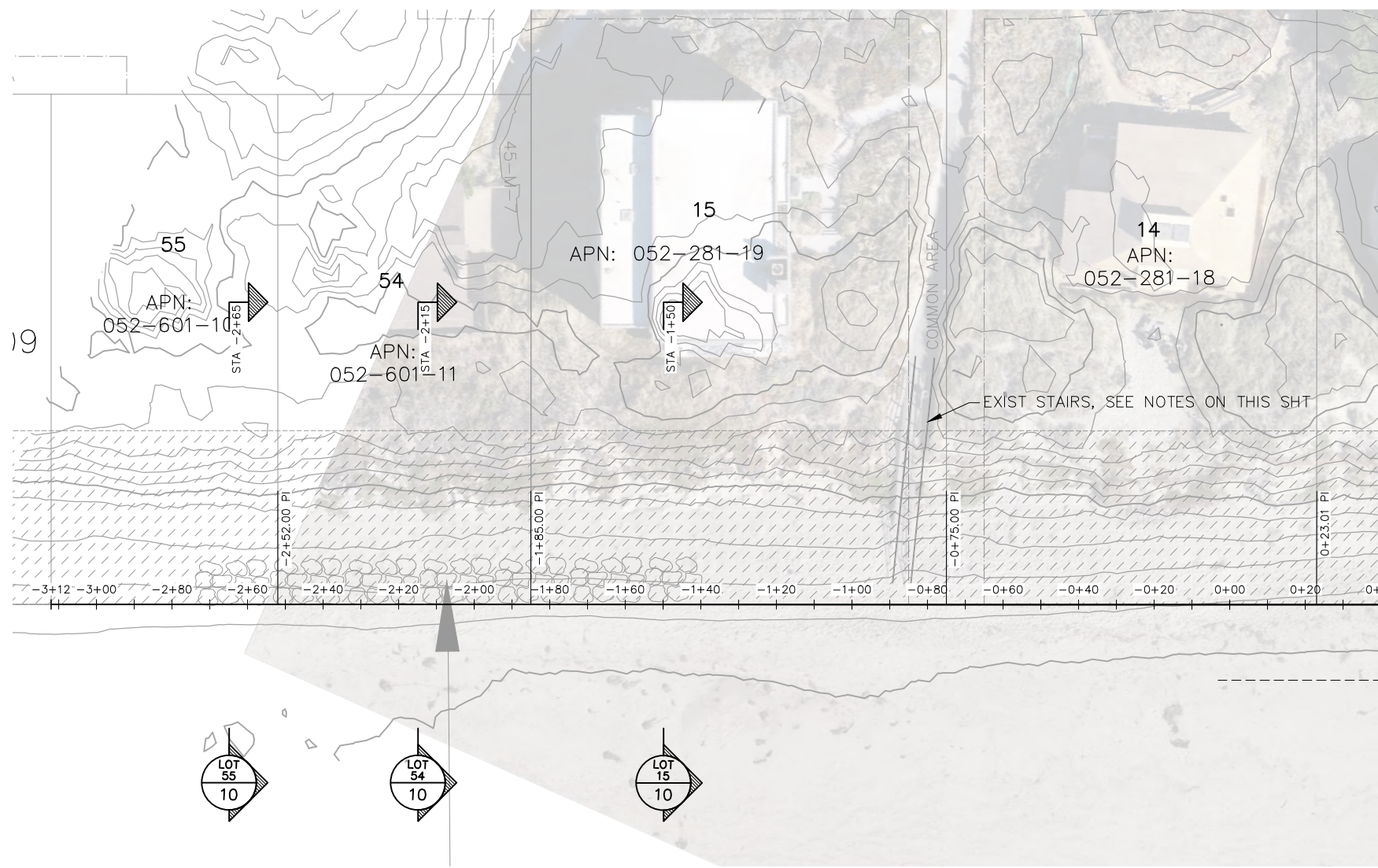
1. ORTHOIMAGERY FROM SANTA CRUZ COUNTY, 2016.

**100% SUBMITTAL
NOT FOR CONSTRUCTION
MAY 2023**



CAL ENGINEERING & GEOLOGY		785 Ygnacio Valley Road Walnut Creek, CA 94596 Phone: (925) 935-9771		PAJARO DUNES GHAD	
		ROCK REVETMENT MAINTENANCE PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA SITE ACCESS AND STAGING AREA			
DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 190780	DATE MAY 2023	SHEET NO. OF 4 OF 16

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MATCH LINE STA 0+40, SEE SHEET 6

NOTES

1. THE REVETMENT MAINTENANCE SHALL EXTEND BELOW THE EXISTING STAIRS.
2. THE CONTRACTOR MAY ELECT TO REMOVE PORTIONS OF STAIRS BEFORE CONSTRUCTION. STAIRS REMOVED BEFORE CONSTRUCTION OR STAIRS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND WITH NEW MATERIALS AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND CALCULATIONS FOR THE PORTIONS OF THE STAIRS THAT ARE REPAIRED OR REPLACED. THE SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND STAMPED BY A CIVIL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA.

NEW STAIR MATERIALS

1. STRUCTURAL TIMBER AND LUMBER SHALL BE BROWN PRESSURE-TREATED DOUGLAS FIR NO. 1 OR BETTER.
2. BOLTS SHALL BE ASTM A307 GRADE A. NUTS SHALL BE AMERICAN STANDARD HEAVY, SEMI-FINISHED HEXAGON TAPPED, UNC THREAD SERIES, CLASS 2B. WASHERS SHALL BE OVERSIZED. ALL PARTS SHALL BE HOT-DIP GALVANIZED PER ASTM A153 CLASS C.
3. BOLT HOLES SHALL BE AT LEAST A MINIMUM OF 1/32" AND NO MORE THAN A MAXIMUM OF 1/16" LARGER THAN THE BOLT DIAMETER.
4. ALL NAILS SHALL BE 16d HOT-DIP GALVANIZED. PNEUMATIC NAILING SHALL NOT BE PERMITTED.
5. ALL HARDWARE SHALL BE GALVANIZED AND SHALL MEET ASTM A653 BY THE HOT-DIP PROCESS, G-185 COATING.

EMERGENCY-PLACED ROCK

THE KNOWN LOCATIONS OF THE BURIED EMERGENCY-PLACED ROCK ARE IN THE FOLLOWINGS LOCATIONS:

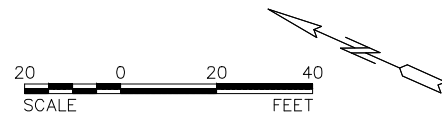
1. ON STATE PARKS PROPERTY IN FRONT OF THE REVETMENT TOE ADJACENT TO LOTS 98, 99, 100, AND 103. TOTAL OF APPROX 440 TONS.
2. ON PAJARO DUNES PROPERTY OVERLYING THE ROCK REVETMENT TOE ON LOTS 15, 54, 55, 103, AND 104. TOTAL OF APPROX 235 TONS.



LEGEND

	REVETMENT MAINTENANCE
	EXISTING RSP
	EXISTING RSP, BURRIED

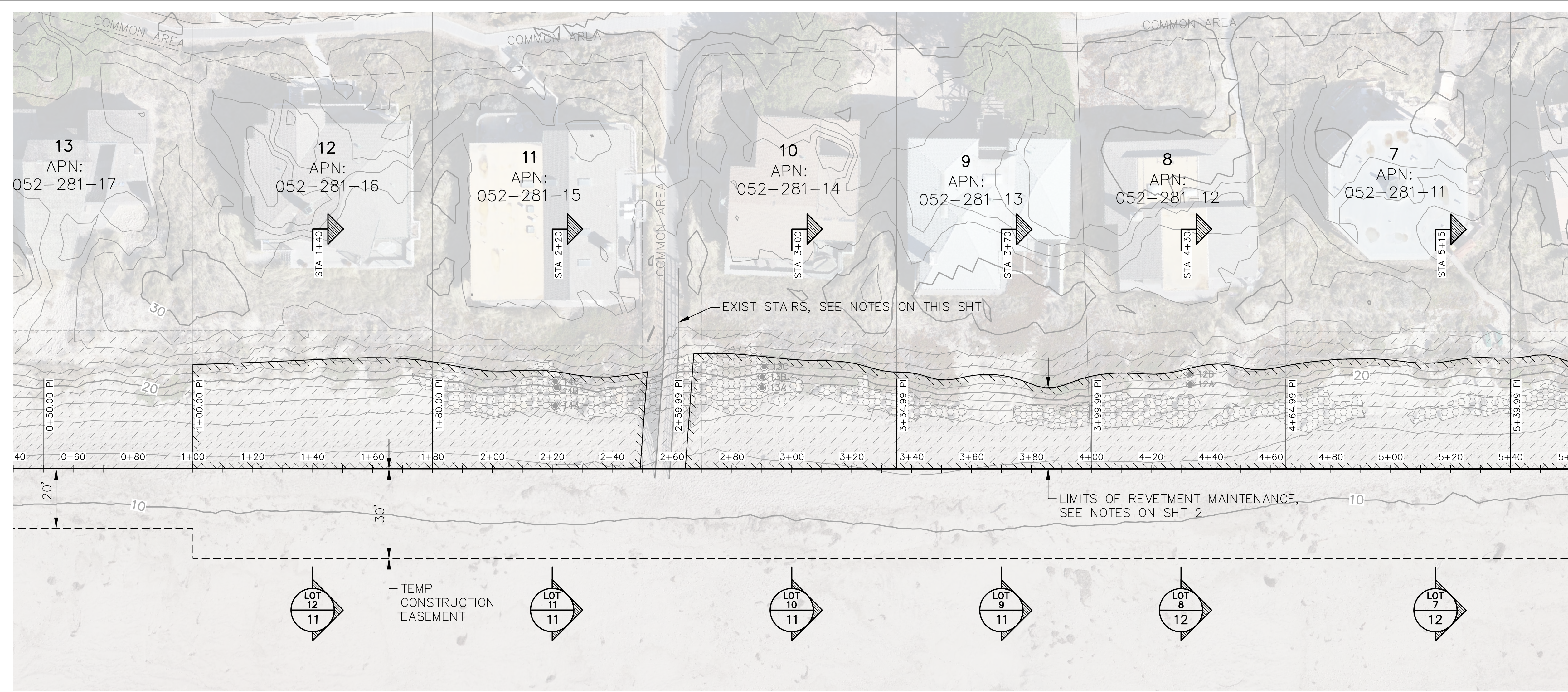
**100% SUBMITTAL
NOT FOR CONSTRUCTION
10 MARCH 2023**



 CAL ENGINEERING & GEOLOGY	785 Ygnacio Valley Road Walnut Creek, CA 94596 Phone: (925) 935-9771		PAJARO DUNES GHAD ROCK REVETMENT MAINTENANCE PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA SITE PLAN (1 OF 5)			
	DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 190780	DATE MARCH 2023	SHEET NO. OF 5 OF 16

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MATCH LINE STA 0+40, SEE SHEET 5



MATCH LINE STA 5+60, SEE SHEET 7

NOTES

1. THE REVETMENT MAINTENANCE SHALL EXTEND BELOW THE EXISTING STAIRS.
2. THE CONTRACTOR MAY ELECT TO REMOVE PORTIONS OF STAIRS BEFORE CONSTRUCTION. STAIRS REMOVED BEFORE CONSTRUCTION OR STAIRS THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN KIND WITH NEW MATERIALS AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL PROVIDE SHOP DRAWINGS AND CALCULATIONS FOR THE PORTIONS OF THE STAIRS THAT ARE REPAIRED OR REPLACED. THE SHOP DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND STAMPED BY A CIVIL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA.

NEW STAIR MATERIALS

1. STRUCTURAL TIMBER AND LUMBER SHALL BE BROWN PRESSURE-TREATED DOUGLAS FIR NO. 1 OR BETTER.
2. BOLTS SHALL BE ASTM A307 GRADE A. NUTS SHALL BE AMERICAN STANDARD HEAVY, SEMI-FINISHED HEXAGON TAPPED, UNC THREAD SERIES, CLASS 2B. WASHERS SHALL BE OVERSIZED. ALL PARTS SHALL BE HOT-DIP GALVANIZED PER ASTM A153 CLASS C.
3. BOLT HOLES SHALL BE AT LEAST A MINIMUM OF 1/32" AND NO MORE THAN A MAXIMUM OF 1/16" LARGER THAN THE BOLT DIAMETER.
4. ALL NAILS SHALL BE 16d HOT-DIP GALVANIZED. PNEUMATIC NAILING SHALL NOT BE PERMITTED.
5. ALL HARDWARE SHALL BE GALVANIZED AND SHALL MEET ASTM A653 BY THE HOT-DIP PROCESS, G-185 COATING.

EMERGENCY-PLACED ROCK

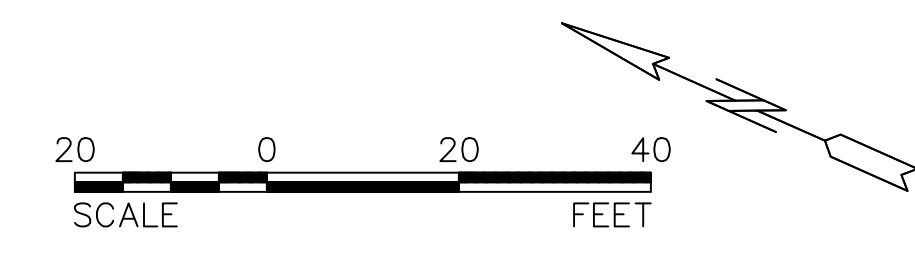
- THE KNOWN LOCATIONS OF THE BURIED EMERGENCY-PLACED ROCK ARE IN THE FOLLOWINGS LOCATIONS:
1. ON STATE PARKS PROPERTY IN FRONT OF THE REVETMENT TOE ADJACENT TO LOTS 98, 99, 100, AND 103. TOTAL OF APPROX 440 TONS.
 2. ON PAJARO DUNES PROPERTY OVERLYING THE ROCK REVETMENT TOE ON LOTS 15, 54, 55, 103, AND 104. TOTAL OF APPROX 235 TONS.



LEGEND

	REVETMENT MAINTENANCE
	EXISTING RSP
	EXISTING RSP, BURRIED

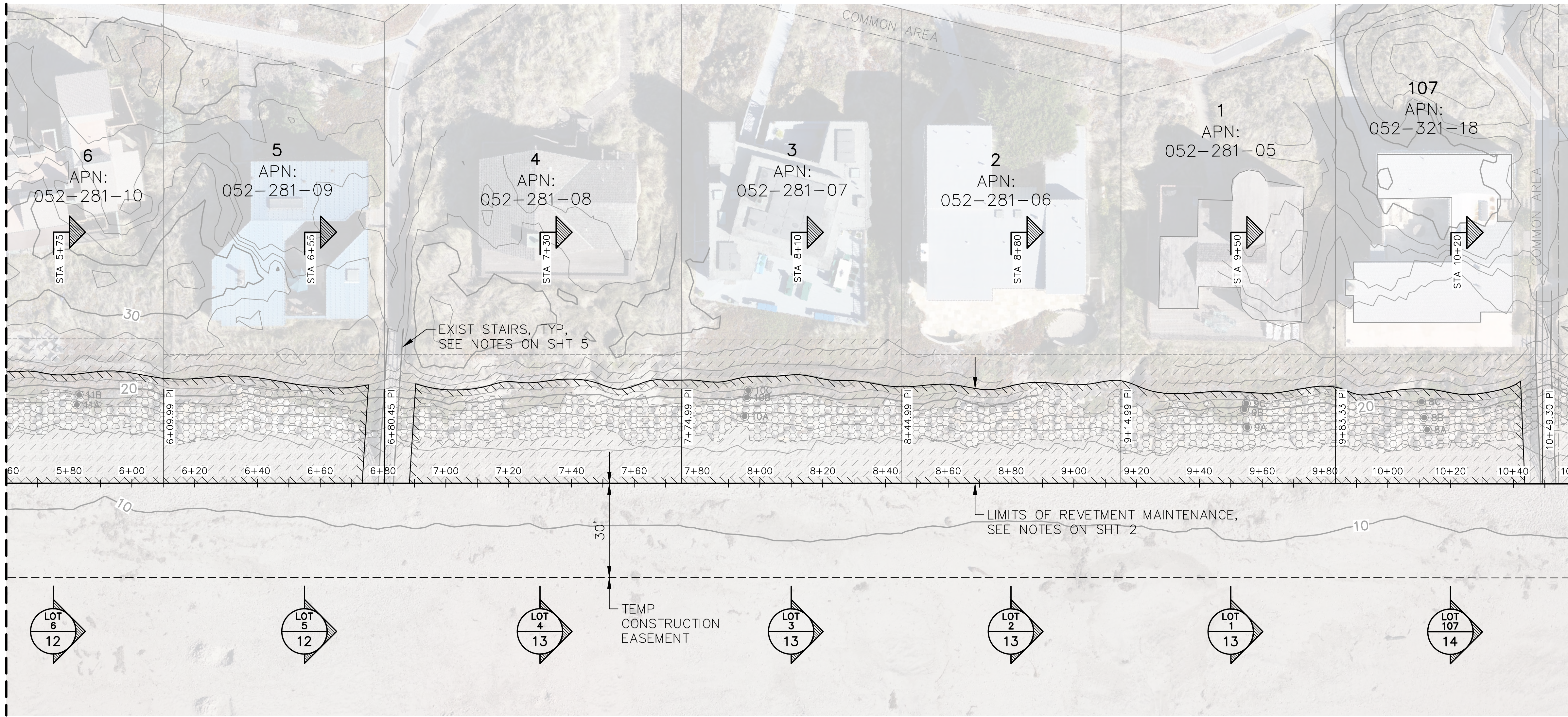
**100% SUBMITTAL
NOT FOR CONSTRUCTION
10 MARCH 2023**



 CAL ENGINEERING & GEOLOGY	785 Ygnacio Valley Road Walnut Creek, CA 94596 Phone: (925) 935-9771		PAJARO DUNES GHAD ROCK REVETMENT MAINTENANCE PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA SITE PLAN (2 OF 5)		
	DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 190780	DATE MARCH 2023




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MATCH LINE STA 5+60, SEE SHEET 6

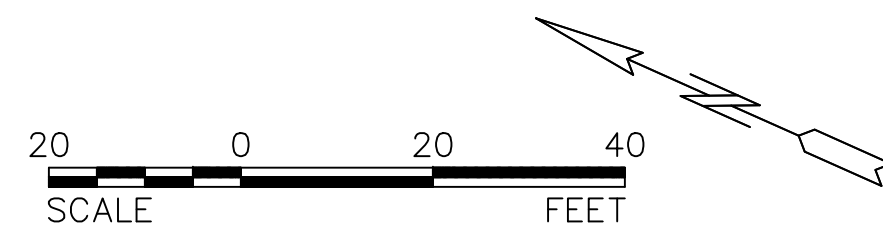



MATCH LINE STA 10+60, SEE SHEET 8

LEGEND

-  REVETMENT MAINTENANCE
-  EXISTING RSP
-  EXISTING RSP, BURRIED

**100% SUBMITTAL
NOT FOR CONSTRUCTION
10 MARCH 2023**

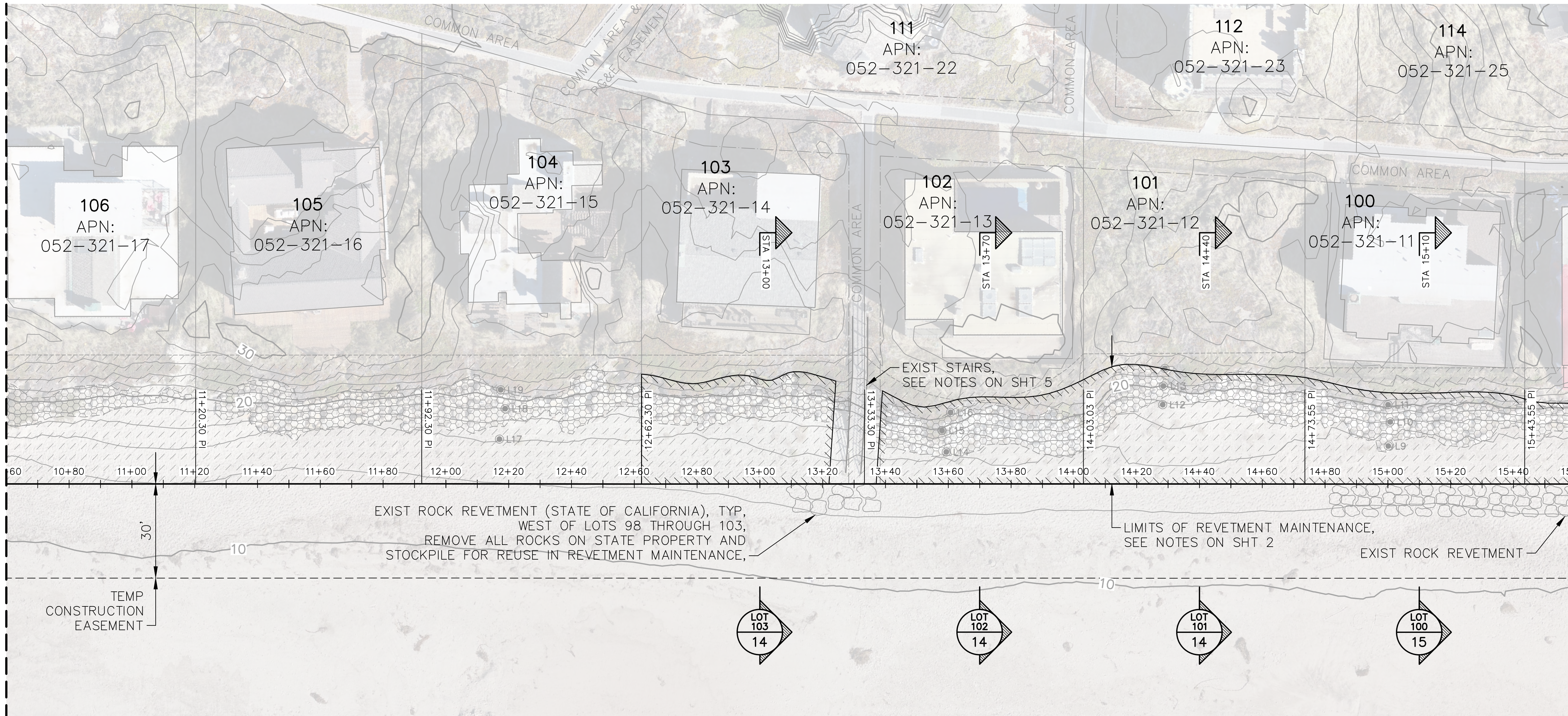


 CAL ENGINEERING & GEOLOGY		785 Ygnacio Valley Road Walnut Creek, CA 94596 Phone: (925) 935-9771			
		PAJARO DUNES GHAD ROCK REVETMENT MAINTENANCE PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA SITE PLAN (3 OF 5)			
DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 190780	DATE MARCH 2023	SHEET NO. OF 7 OF 16



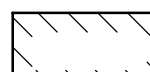


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MATCH LINE STA 10+60, SEE SHEET 7

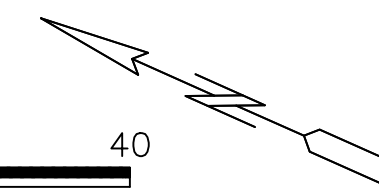
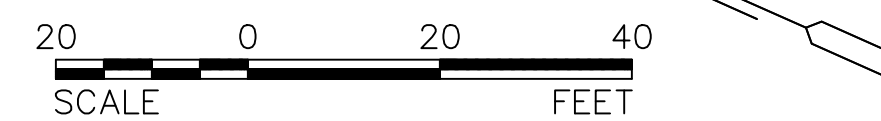



MATCH LINE STA 15+60, SEE SHEET 9

LEGEND

-  REVETMENT MAINTENANCE
-  EXISTING RSP
-  EXISTING RSP, BURRIED

**100% SUBMITTAL
NOT FOR CONSTRUCTION
10 MARCH 2023**

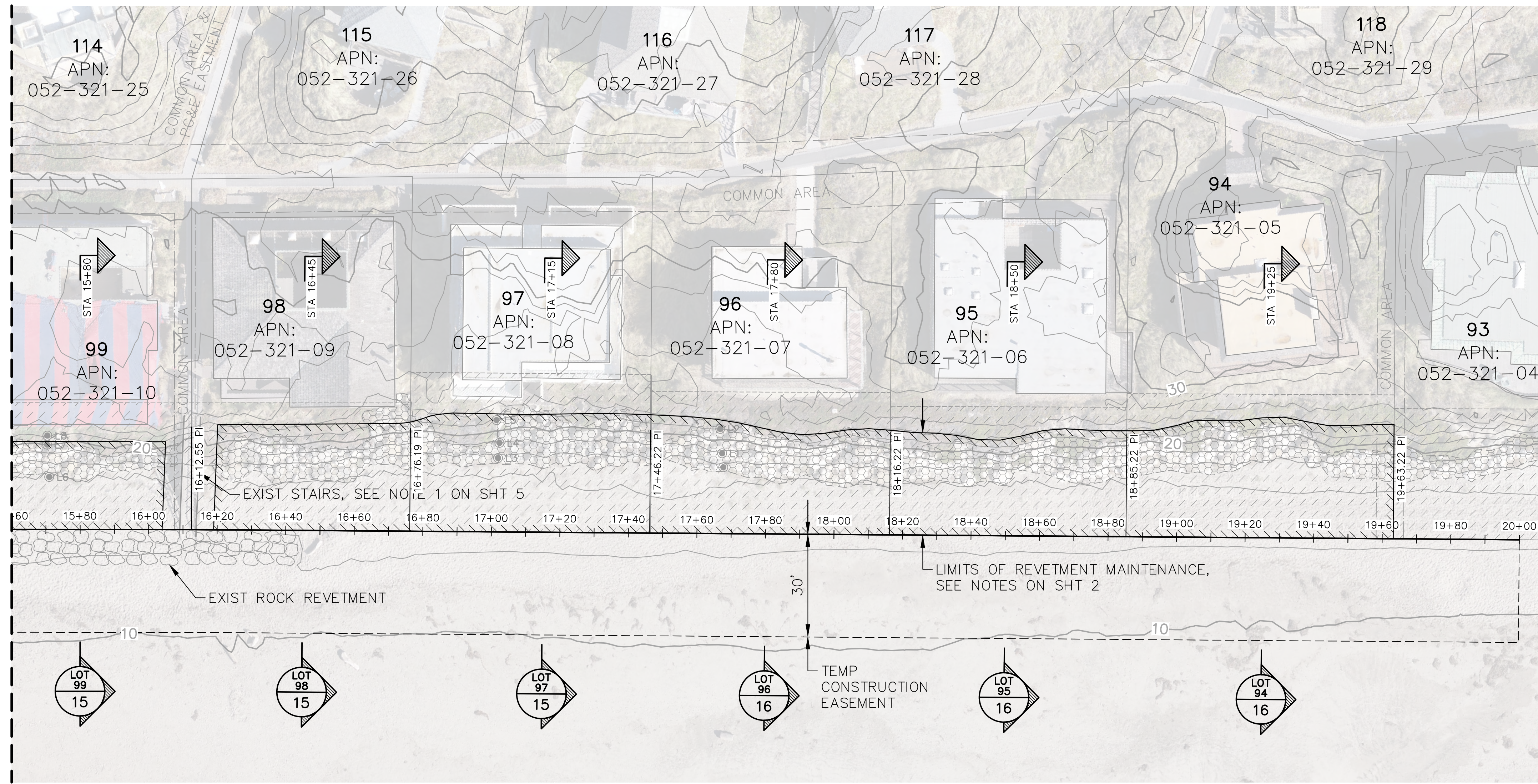


 CAL ENGINEERING & GEOLOGY		785 Ygnacio Valley Road Walnut Creek, CA 94596 Phone: (925) 935-9771			
		PAJARO DUNES GHAD ROCK REVETMENT MAINTENANCE PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA SITE PLAN (4 OF 5)			
DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 190780	DATE MARCH 2023	SHEET NO. OF 8 OF 16

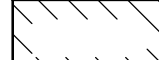




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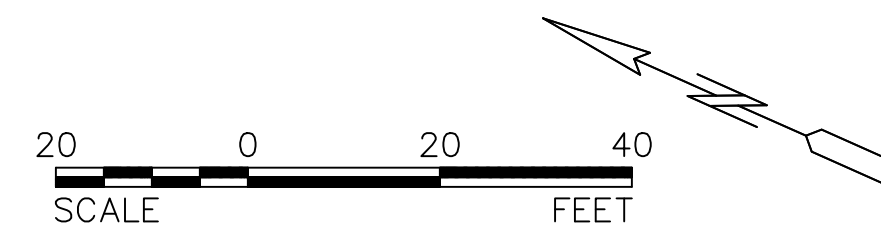
MATCH LINE STA 15+60, SEE SHEET 8




LEGEND

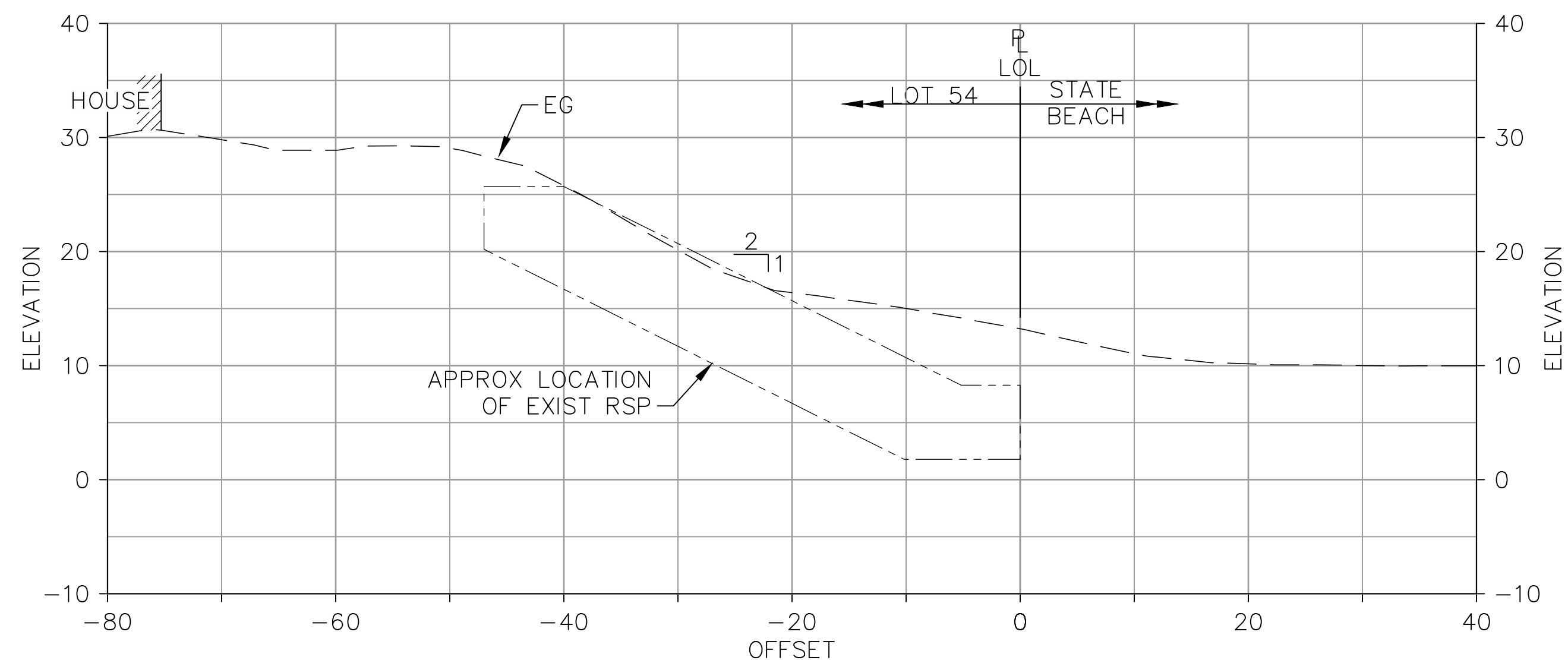
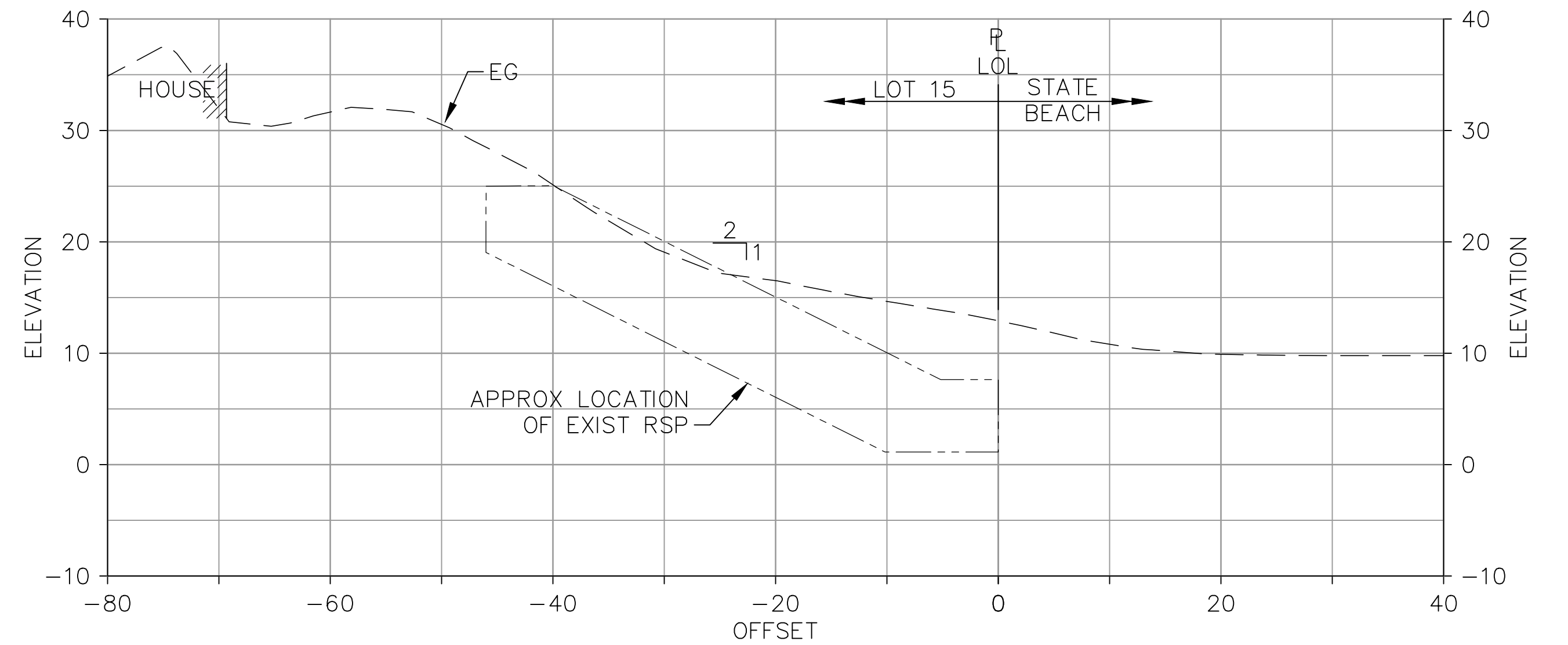
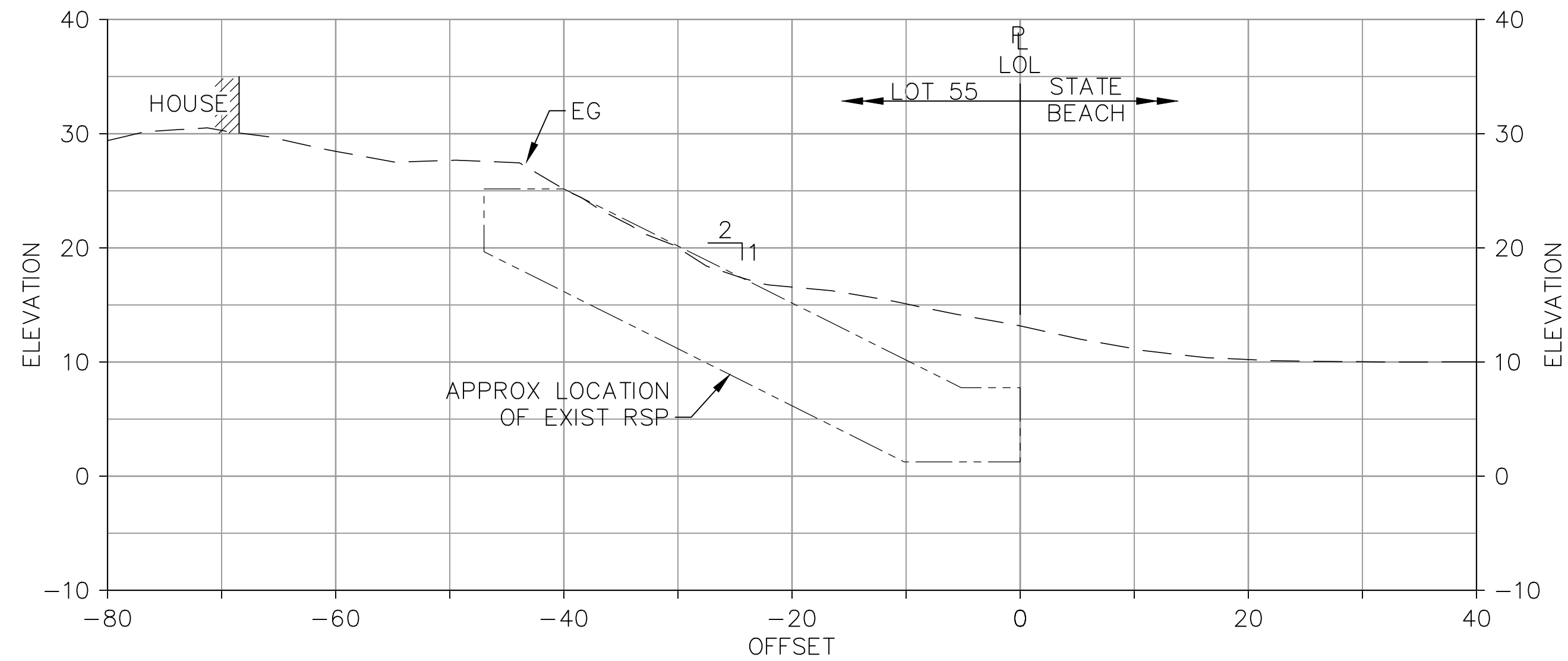
-  REVETMENT MAINTENANCE
-  EXISTING RSP
-  EXISTING RSP, BURRIED

**100% SUBMITTAL
NOT FOR CONSTRUCTION
10 MARCH 2023**



 CAL ENGINEERING & GEOLOGY		785 Ygnacio Valley Road Walnut Creek, CA 94596 Phone: (925) 935-9771			
		PAJARO DUNES GHAD ROCK REVETMENT MAINTENANCE PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA SITE PLAN (5 OF 5)			
DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 190780	DATE MARCH 2023	SHEET NO. OF 9 OF 16





NOTES

1. PROPOSED REVETMENT DESIGN SLOPE MAY BE LOWERED UP TO 24" (TYP.) BELOW THE ORIGINAL REVETMENT DESIGN SLOPE (TOWARDS LOTS) FOR SELECTED SECTIONS. CONTRACTOR MAY SOURCE THE MATERIAL REMAINING IN FRONT OF THE PROPOSED REVETMENT SLOPE, IF NEEDED. SEE SOURCING PRIORITY LIST BELOW.
2. THERE WILL BE VARIABILITY IN CROSS SECTIONS ACROSS EACH LOT

PLACEMENT PRIORITY

- 1ST: PROPERTIES WITH SLOPES THAT ARE 1.5:1 OR STEEPER
- 2ND: PROPERTIES WITH SLOPES THAT ARE 1.7:1 OR STEEPER
- 3RD: PROPERTIES WITH SLOPES THAT ARE 2.0:1 OR STEEPER

SOURCING PRIORITY

- 1ST: MATERIAL FROM STATE PROPERTY PLACED DURING EMERGENCY REPAIR (2004).
- 2ND: MATERIAL FROM PROPERTIES WITH 2.0:1 SLOPES
- 3RD: MATERIAL FROM PROPERTIES WITH 1.7:1 SLOPES
- 4TH: MATERIAL FROM PROPERTIES WITH 1.5:1 SLOPES

ROCK REVETMENT PLACEMENT AND SOURCING			
LOT	SLOPE	PLACEMENT (TONS)	SOURCING (TONS)
55	2.0:1	0	0
54	2.0:1	0	0
15	2.0:1	0	0

LEGEND

- AREAS REQUIRING ROCK PLACEMENT
- ROCK AVAILABLE FOR SOURCING

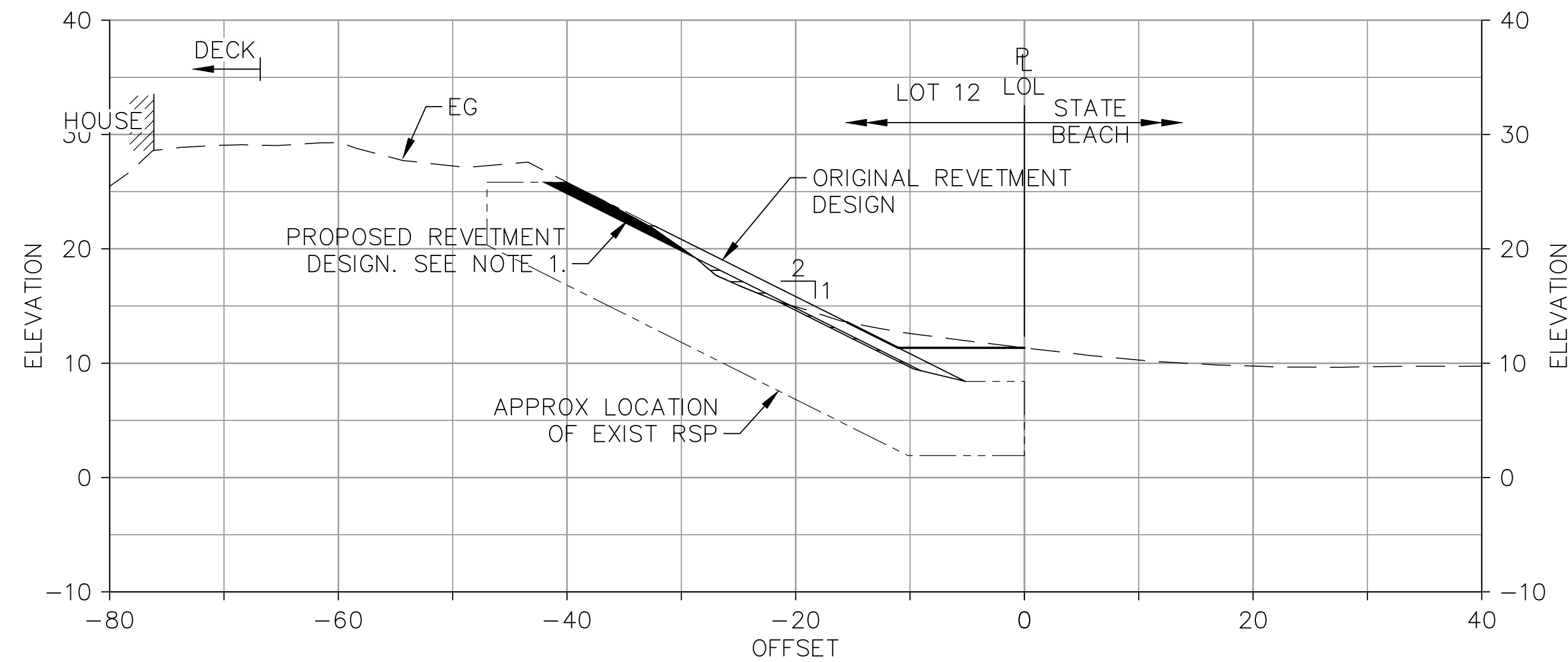


**100% SUBMITTAL
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MAY 2023**

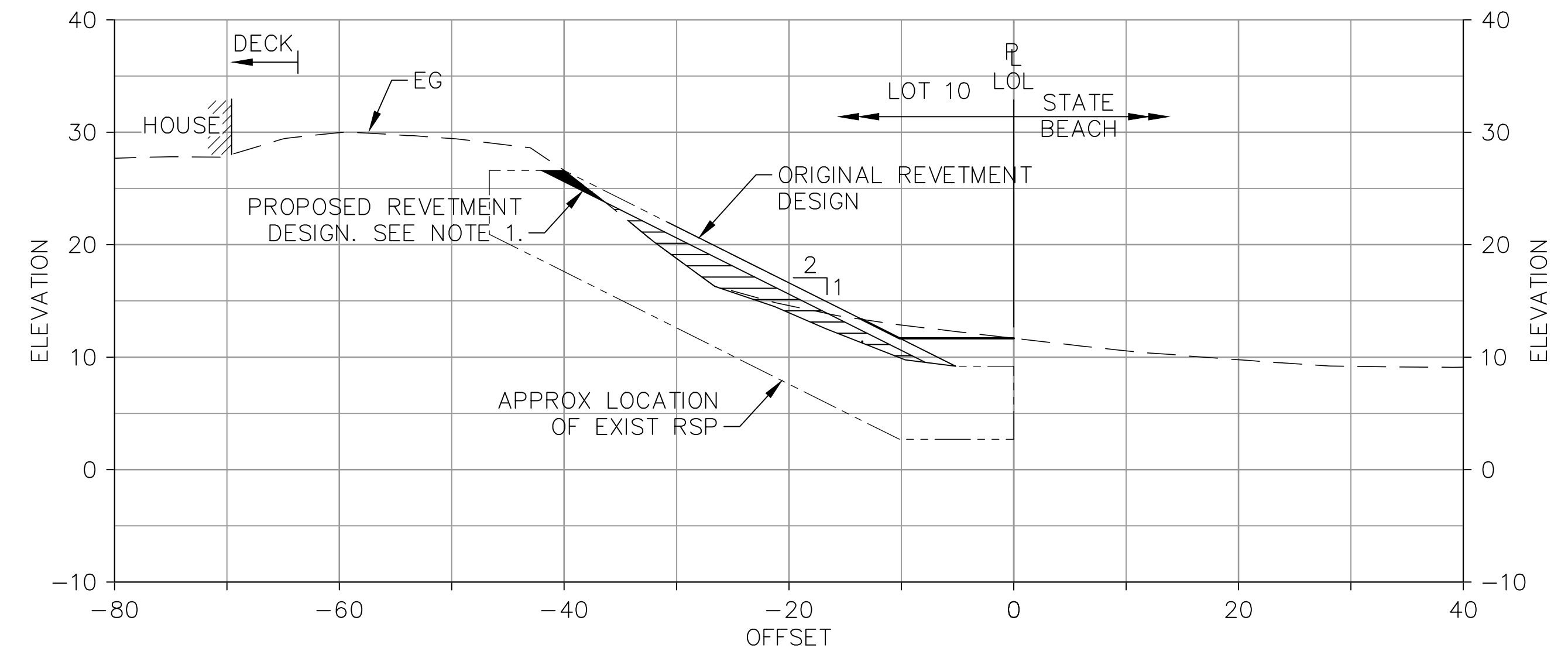


		785 Ygnacio Valley Road Walnut Creek, CA 94596 Phone: (925) 935-9771	
		PAJARO DUNES GHAD ROCK REVETMENT MAINTENANCE PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA SECTIONS (1 OF 7)	
DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 190780
DATE MAY 2023		SHEET NO. OF 10 OF 16	

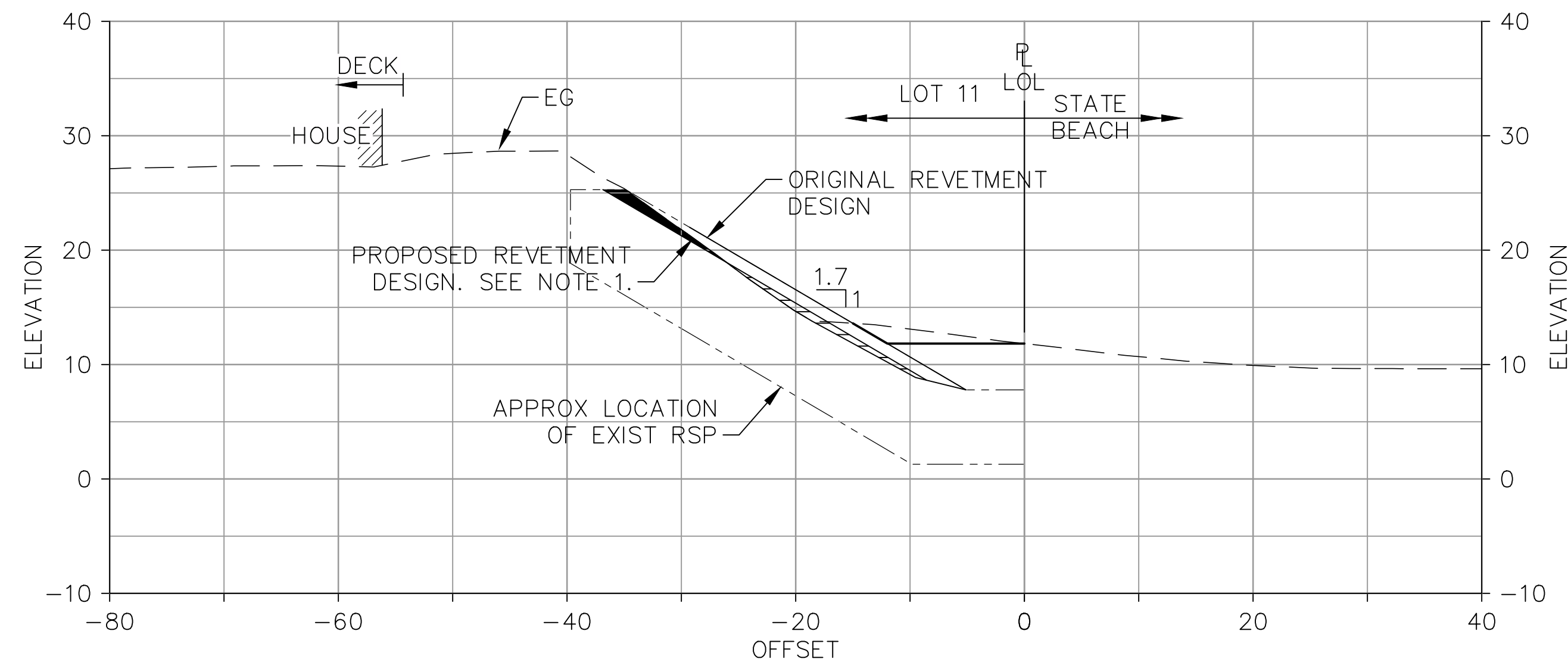
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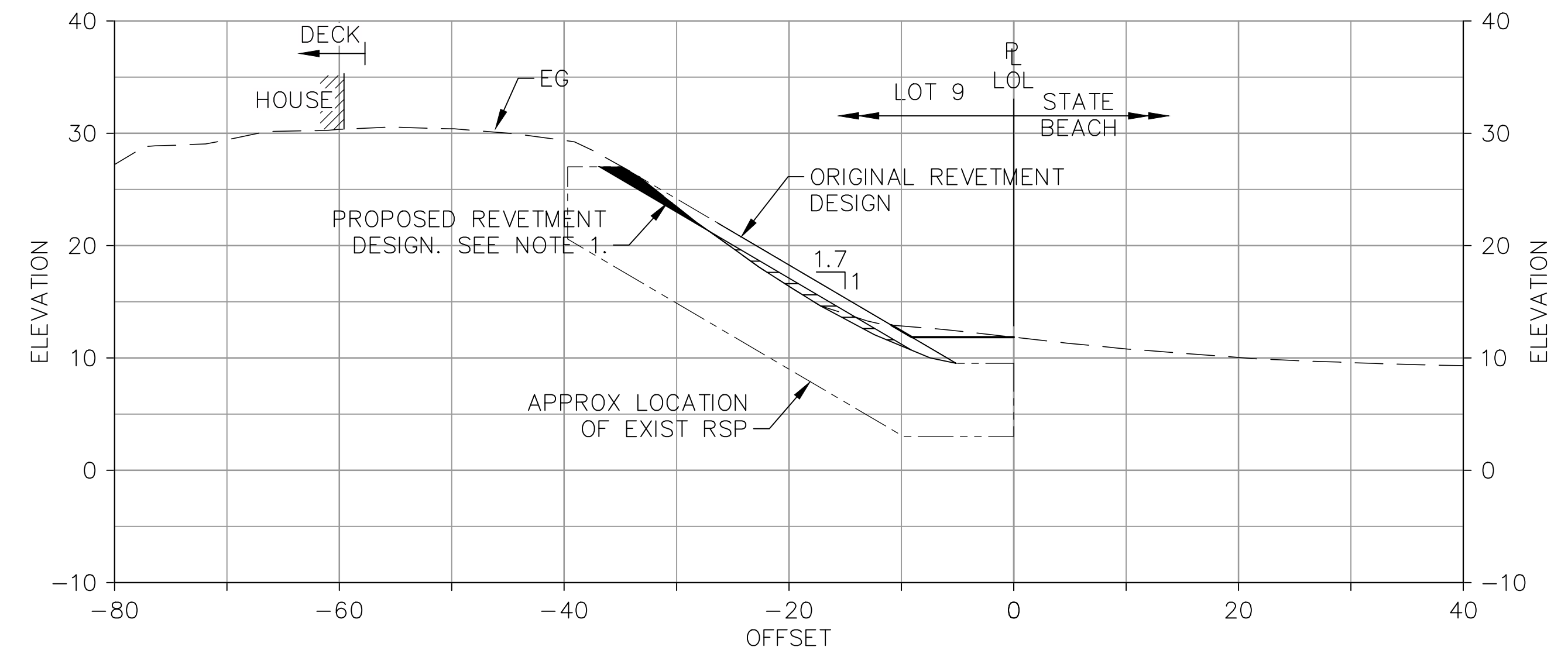
SECTION LOT 12
STA 1+40 6



SECTION LOT 10
STA 3+00 6



SECTION LOT 11
STA 2+20 6



SECTION LOT 9
STA 3+70 6

NOTES

1. PROPOSED REVETMENT DESIGN SLOPE MAY BE LOWERED UP TO 24" (TYP.) BELOW THE ORIGINAL REVETMENT DESIGN SLOPE (TOWARDS LOTS) FOR SELECTED SECTIONS. CONTRACTOR MAY SOURCE THE MATERIAL REMAINING IN FRONT OF THE PROPOSED REVETMENT SLOPE, IF NEEDED. SEE SOURCING PRIORITY LIST BELOW.
2. THERE WILL BE VARIABILITY IN CROSS SECTIONS ACROSS EACH LOT

PLACEMENT PRIORITY

- 1ST: PROPERTIES WITH SLOPES THAT ARE 1.5:1 OR STEEPER
- 2ND: PROPERTIES WITH SLOPES THAT ARE 1.7:1 OR STEEPER
- 3RD: PROPERTIES WITH SLOPES THAT ARE 2.0:1 OR STEEPER

SOURCING PRIORITY

- 1ST: MATERIAL FROM STATE PROPERTY PLACED DURING EMERGENCY REPAIR (2004).
- 2ND: MATERIAL FROM PROPERTIES WITH 2.0:1 SLOPES
- 3RD: MATERIAL FROM PROPERTIES WITH 1.7:1 SLOPES
- 4TH: MATERIAL FROM PROPERTIES WITH 1.5:1 SLOPES

ROCK REVETMENT PLACEMENT AND SOURCING			
LOT	SLOPE	PLACEMENT (TONS)	SOURCING (TONS)
12	2.0:1	22	37
11	1.7:1	34	26
10	2.0:1	152	11
9	1.7:1	31	21

LEGEND

- AREAS REQUIRING ROCK PLACEMENT
- ROCK AVAILABLE FOR SOURCING



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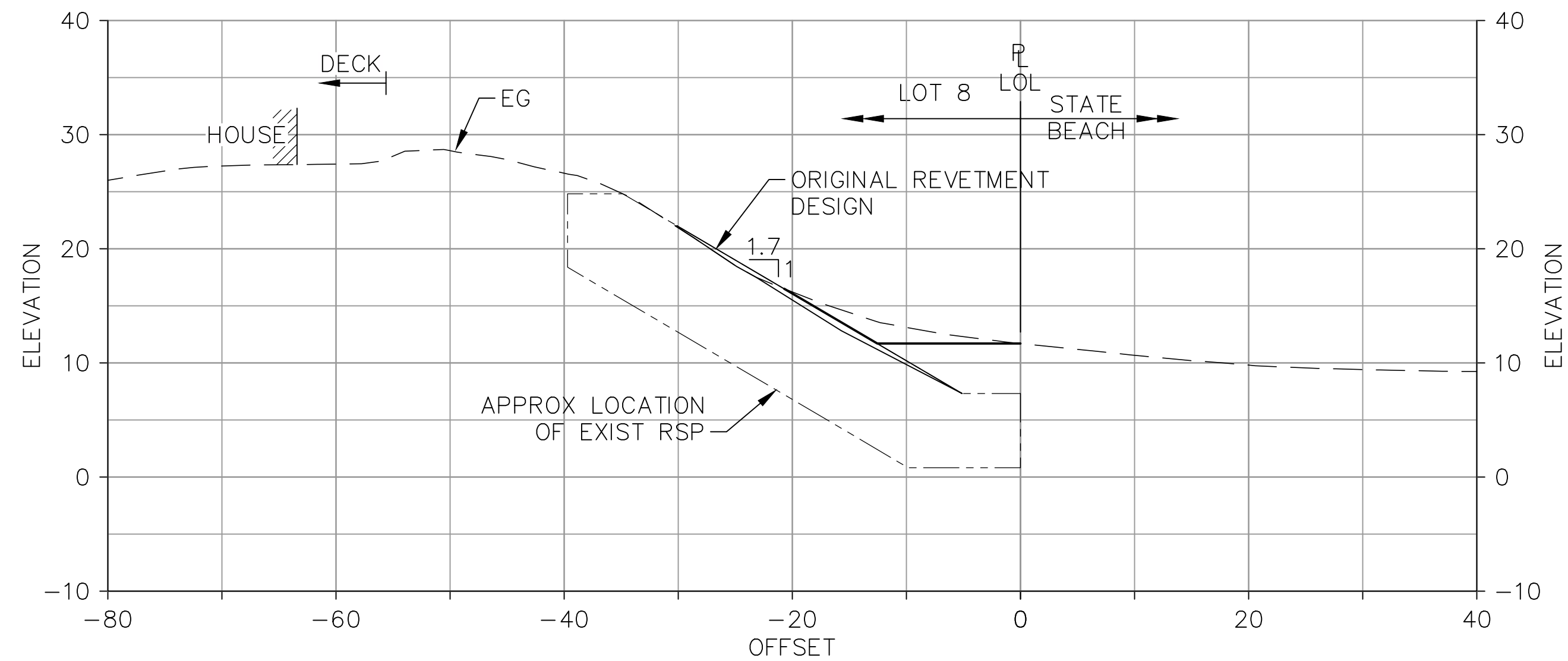
785 Ygnacio Valley Road
Walnut Creek, CA 94596
Phone: (925) 935-9771

DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO
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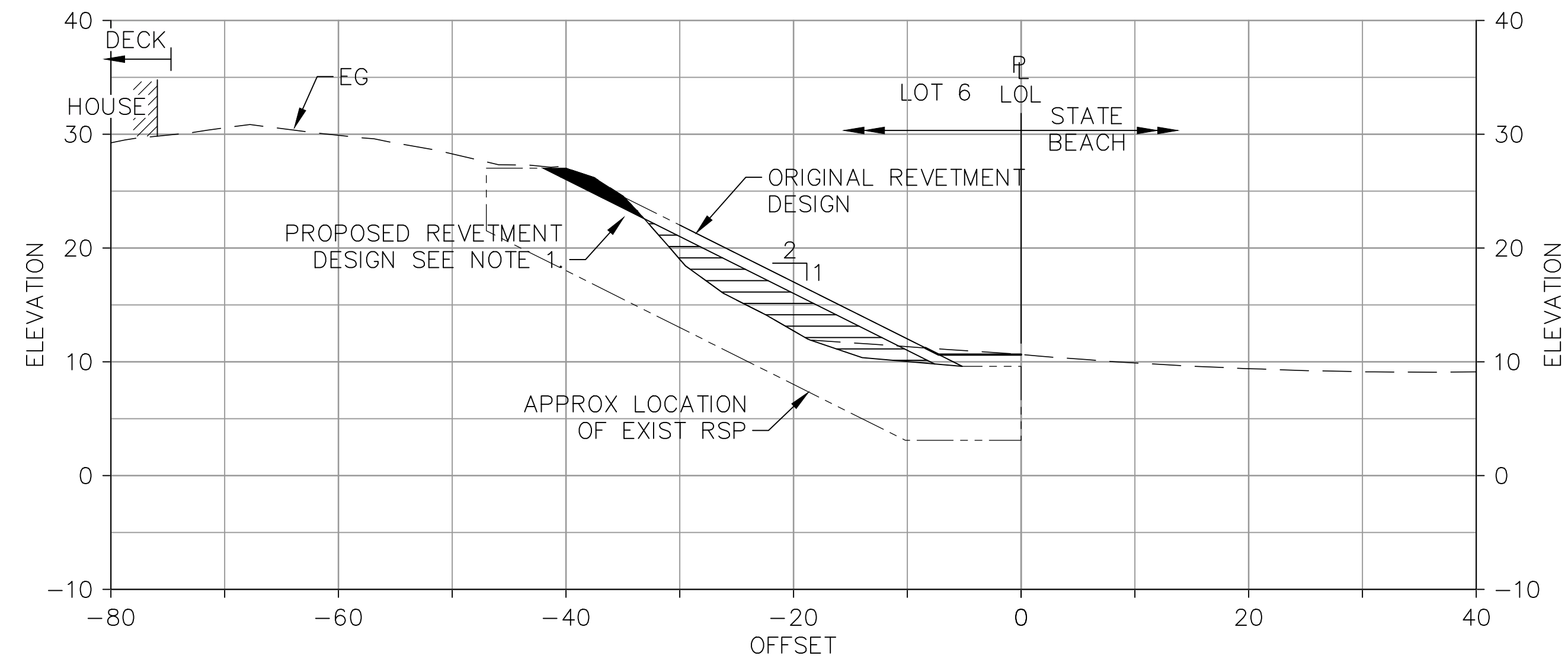
PAJARO DUNES GHAD

ROCK REVETMENT MAINTENANCE
PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA
SECTIONS (2 OF 7)

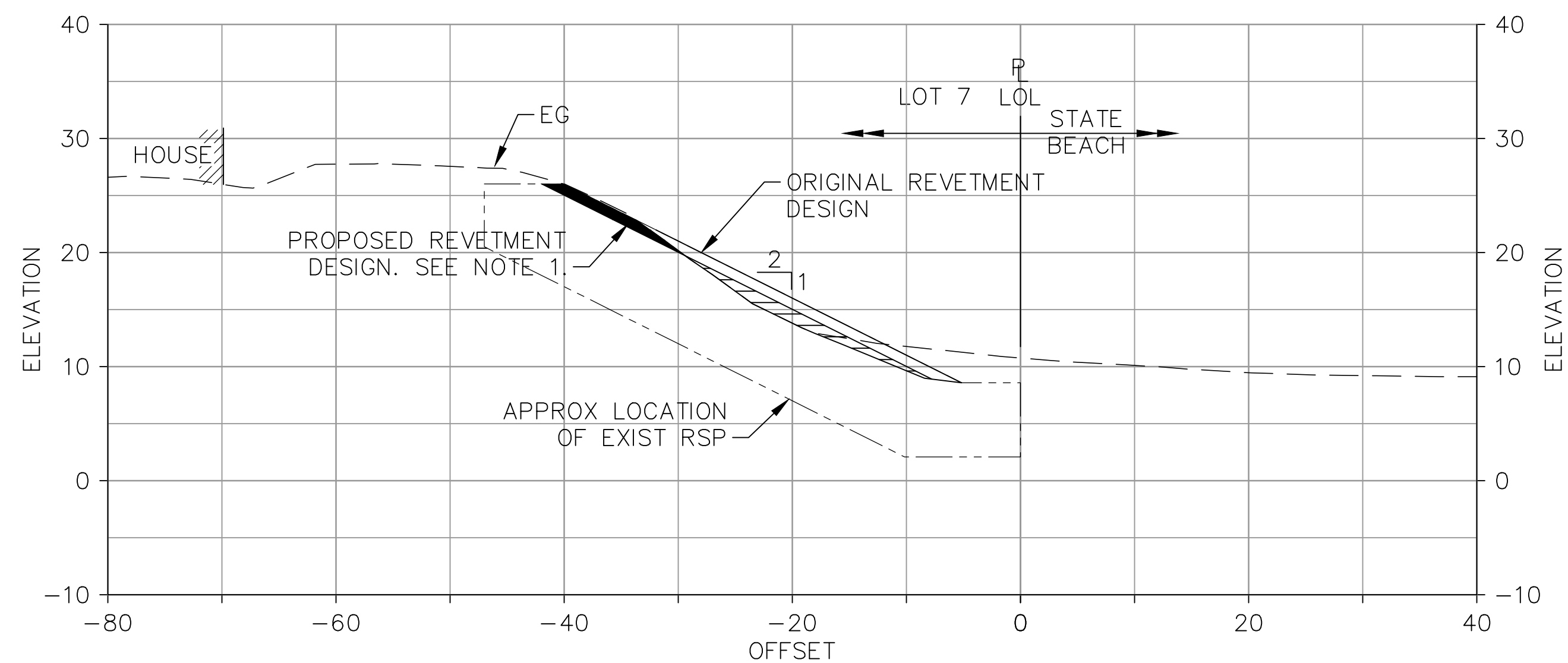
PROJECT NO. 190780	DATE MAY 2023	SHEET NO. OF 11 OF 16
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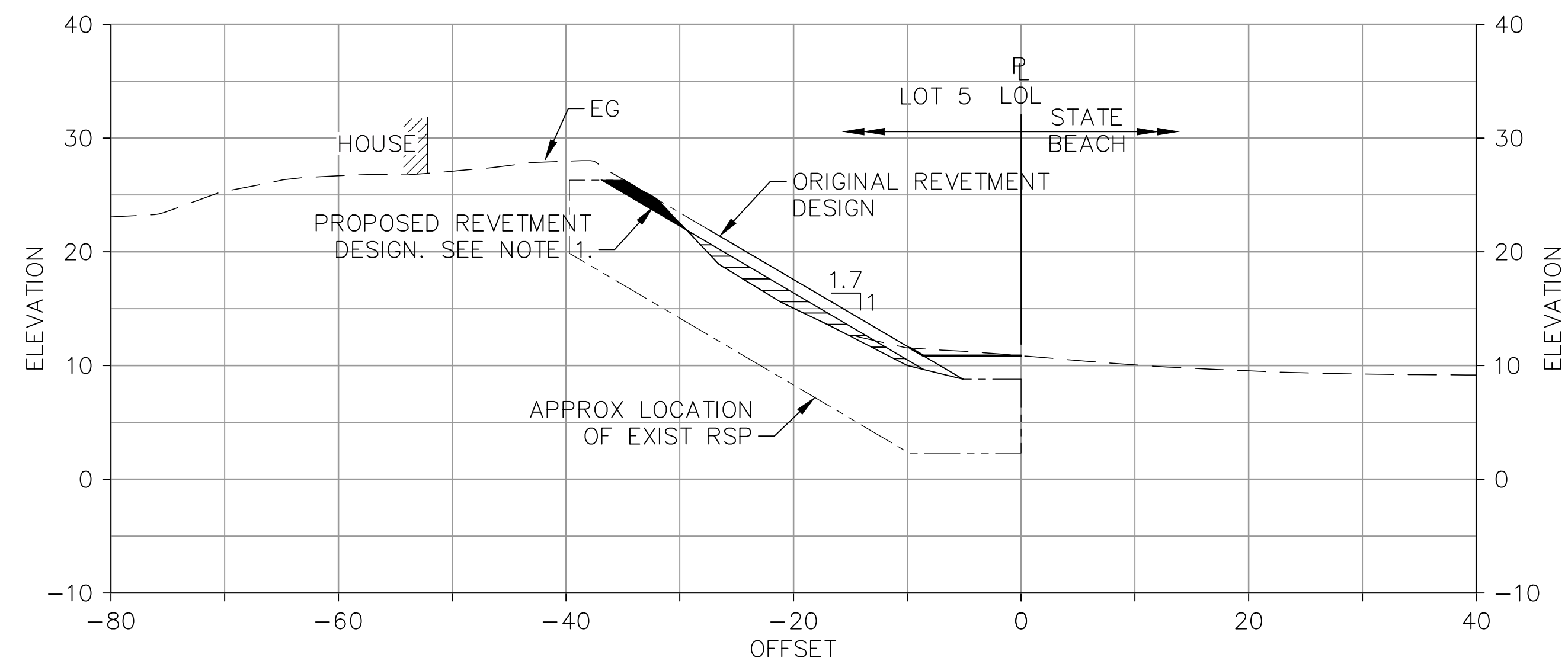
SECTION **LOT 8**
STA 4+30 **6**



SECTION **LOT 6**
STA 5+75 **7**



SECTION **LOT 7**
STA 5+15 **6**



SECTION **LOT 5**
STA 6+55 **7**

NOTES

1. PROPOSED REVETMENT DESIGN SLOPE MAY BE LOWERED UP TO 24" (TYP.) BELOW THE ORIGINAL REVETMENT DESIGN SLOPE (TOWARDS LOTS) FOR SELECTED SECTIONS. CONTRACTOR MAY SOURCE THE MATERIAL REMAINING IN FRONT OF THE PROPOSED REVETMENT SLOPE, IF NEEDED. SEE SOURCING PRIORITY LIST BELOW.
2. THERE WILL BE VARIABILITY IN CROSS SECTIONS ACROSS EACH LOT

PLACEMENT PRIORITY

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- 3RD: PROPERTIES WITH SLOPES THAT ARE 2.0:1 OR STEEPER

SOURCING PRIORITY

- 1ST: MATERIAL FROM STATE PROPERTY PLACED DURING EMERGENCY REPAIR (2004).
- 2ND: MATERIAL FROM PROPERTIES WITH 2.0:1 SLOPES
- 3RD: MATERIAL FROM PROPERTIES WITH 1.7:1 SLOPES
- 4TH: MATERIAL FROM PROPERTIES WITH 1.5:1 SLOPES

ROCK REVETMENT PLACEMENT AND SOURCING			
LOT	SLOPE	PLACEMENT (TONS)	SOURCING (TONS)
8	1.7:1	0	0
7	2.0:1	63	35
6	2.0:1	208	29
5	1.7:1	72	21

LEGEND

- AREAS REQUIRING ROCK PLACEMENT
- ROCK AVAILABLE FOR SOURCING

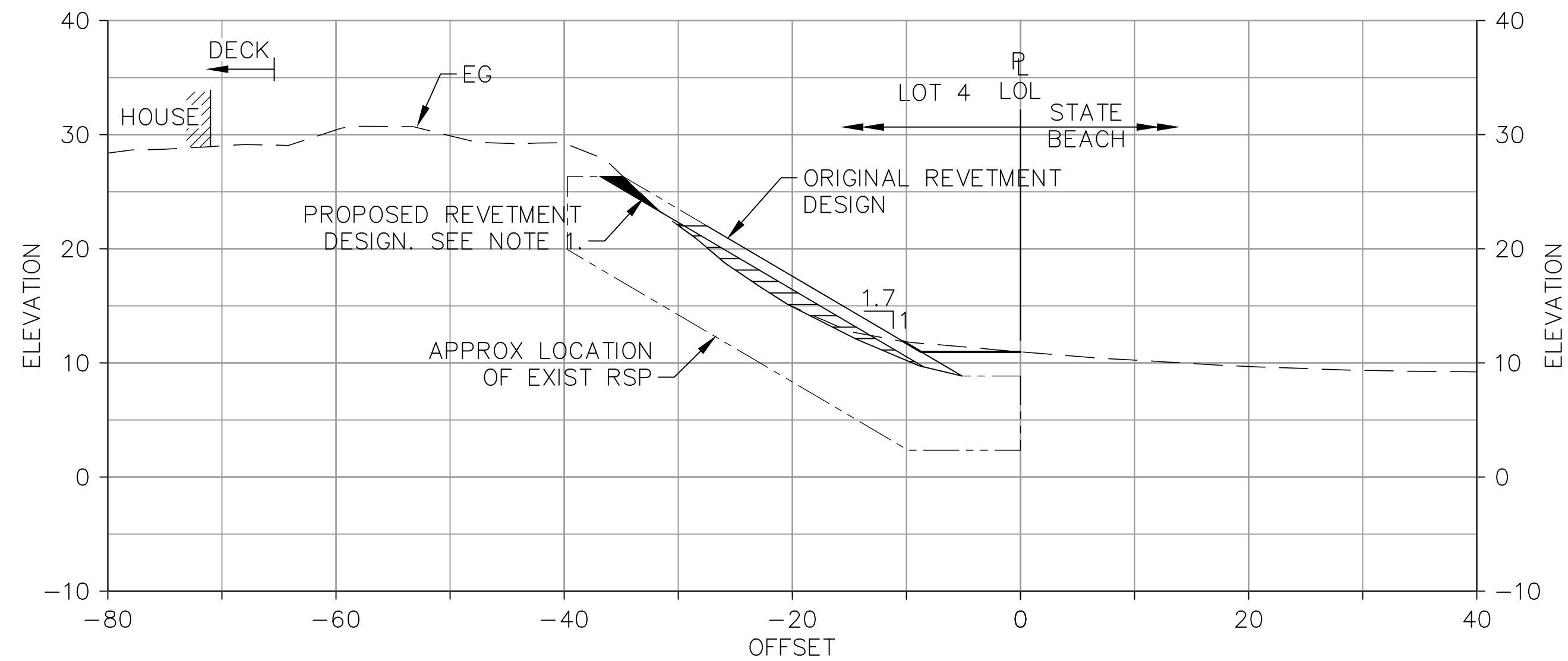


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MAY 2023**

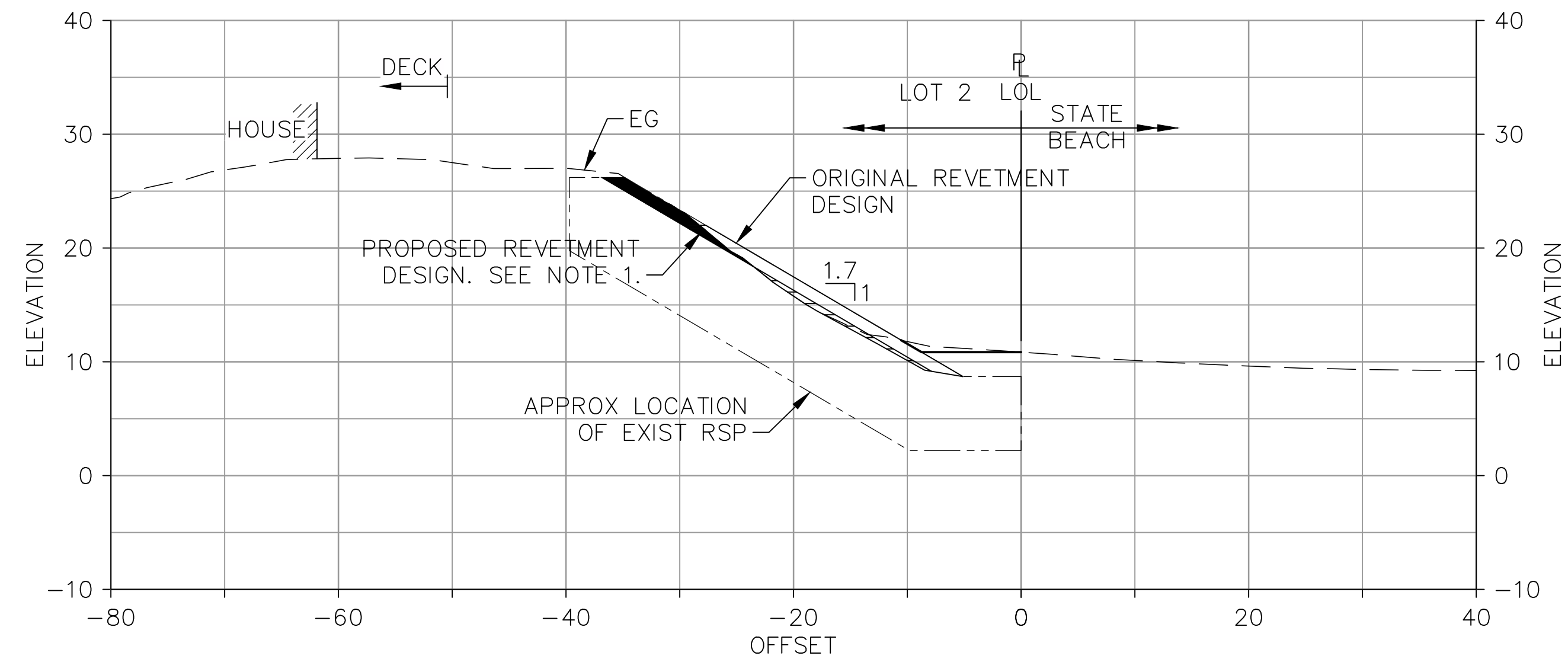


 CAL ENGINEERING & GEOLOGY 785 Ygnacio Valley Road Walnut Creek, CA 94596 Phone: (925) 935-9771	PAJARO DUNES GHAD ROCK REVETMENT MAINTENANCE PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA SECTIONS (3 OF 7)		
	DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO
		DATE MAY 2023	SHEET NO. OF 12 OF 16

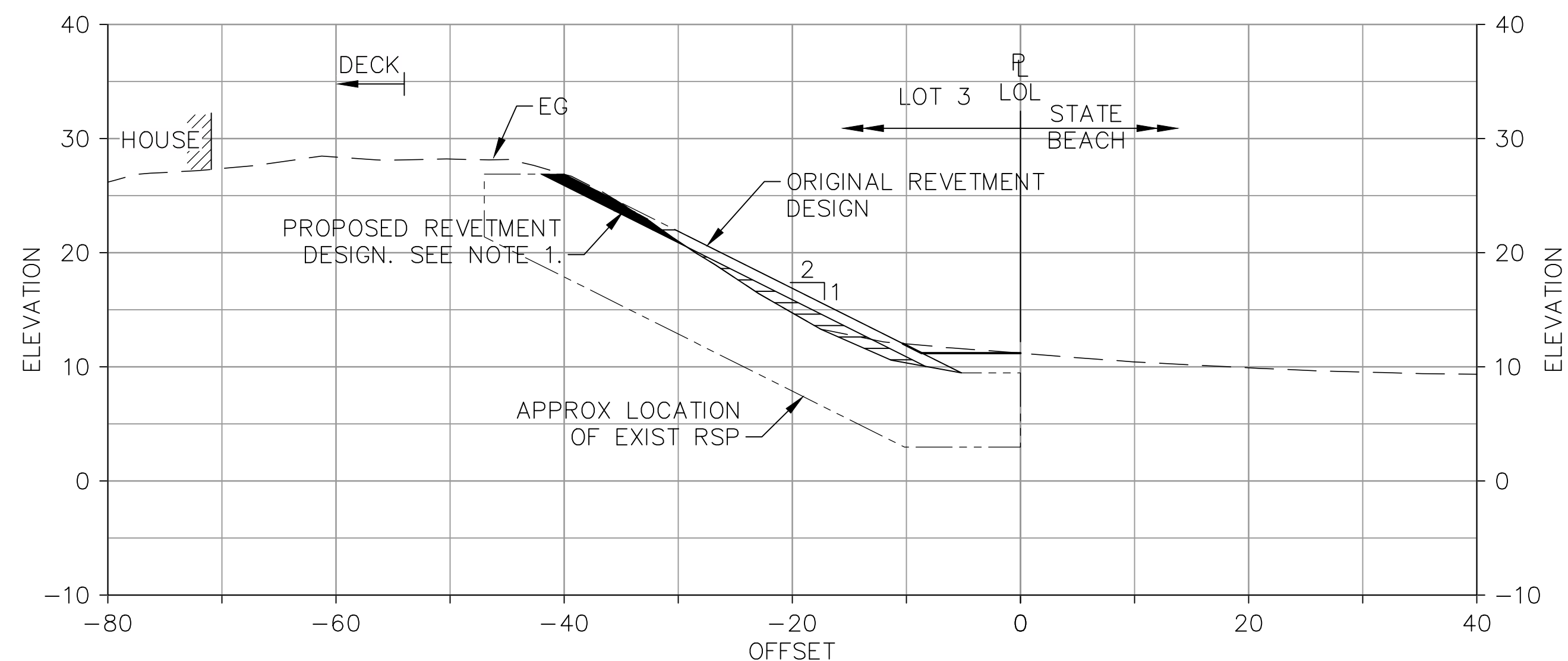
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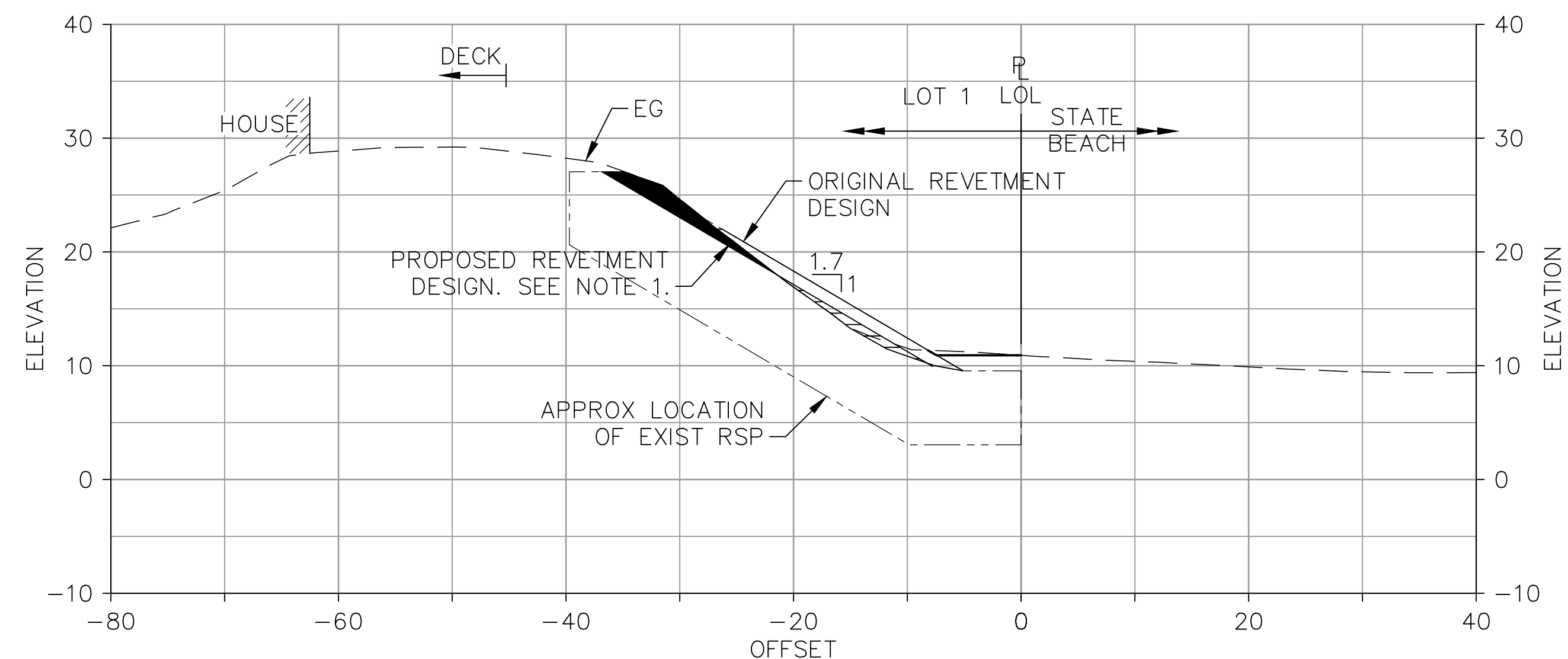
SECTION **LOT 4**
STA 7+30 **7**



SECTION **LOT 2**
STA 8+80 **7**



SECTION **LOT 3**
STA 8+10 **7**



SECTION **LOT 1**
STA 9+50 **7**

NOTES

1. PROPOSED REVETMENT DESIGN SLOPE MAY BE LOWERED UP TO 24" (TYP.) BELOW THE ORIGINAL REVETMENT DESIGN SLOPE (TOWARDS LOTS) FOR SELECTED SECTIONS. CONTRACTOR MAY SOURCE THE MATERIAL REMAINING IN FRONT OF THE PROPOSED REVETMENT SLOPE, IF NEEDED. SEE SOURCING PRIORITY LIST BELOW.
2. THERE WILL BE VARIABILITY IN CROSS SECTIONS ACROSS EACH LOT

PLACEMENT PRIORITY

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- 2ND: PROPERTIES WITH SLOPES THAT ARE 1.7:1 OR STEEPER
- 3RD: PROPERTIES WITH SLOPES THAT ARE 2.0:1 OR STEEPER

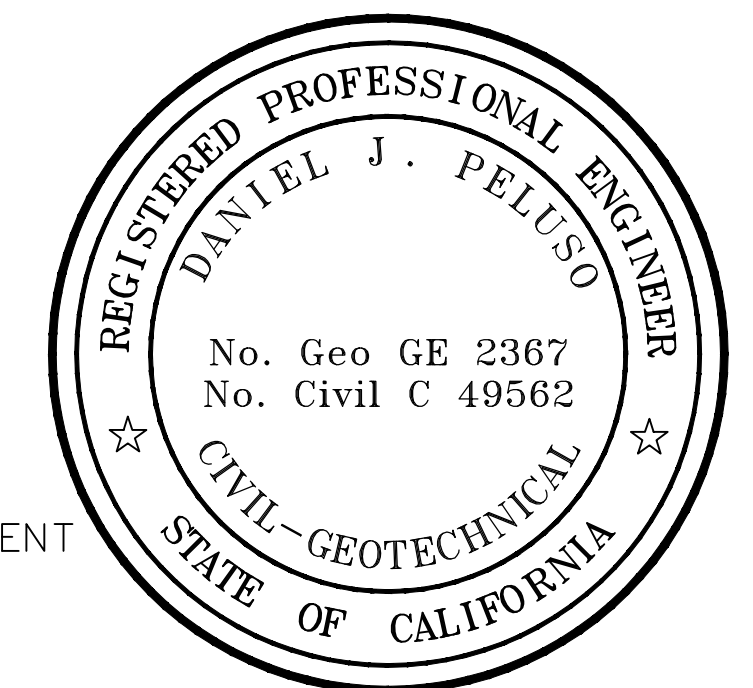
SOURCING PRIORITY

- 1ST: MATERIAL FROM STATE PROPERTY PLACED DURING EMERGENCY REPAIR (2004).
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- 3RD: MATERIAL FROM PROPERTIES WITH 1.7:1 SLOPES
- 4TH: MATERIAL FROM PROPERTIES WITH 1.5:1 SLOPES

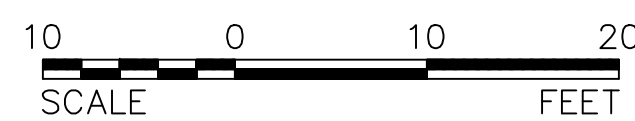
ROCK REVETMENT PLACEMENT AND SOURCING			
LOT	SLOPE	PLACEMENT (TONS)	SOURCING (TONS)
4	1.7:1	102	15
3	2.0:1	61	31
2	1.7:1	22	36
1	1.7:1	24	54

LEGEND

- AREAS REQUIRING ROCK PLACEMENT
- ROCK AVAILABLE FOR SOURCING

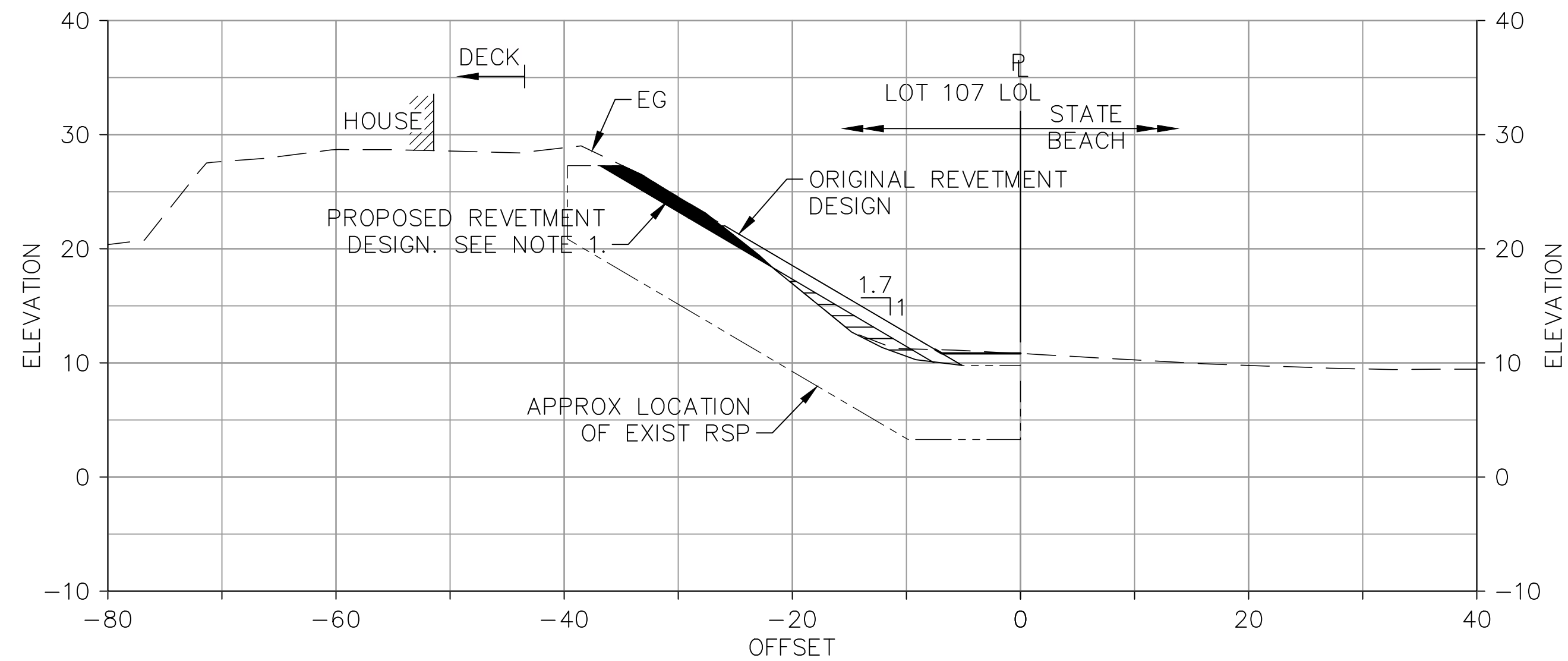


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MAY 2023**

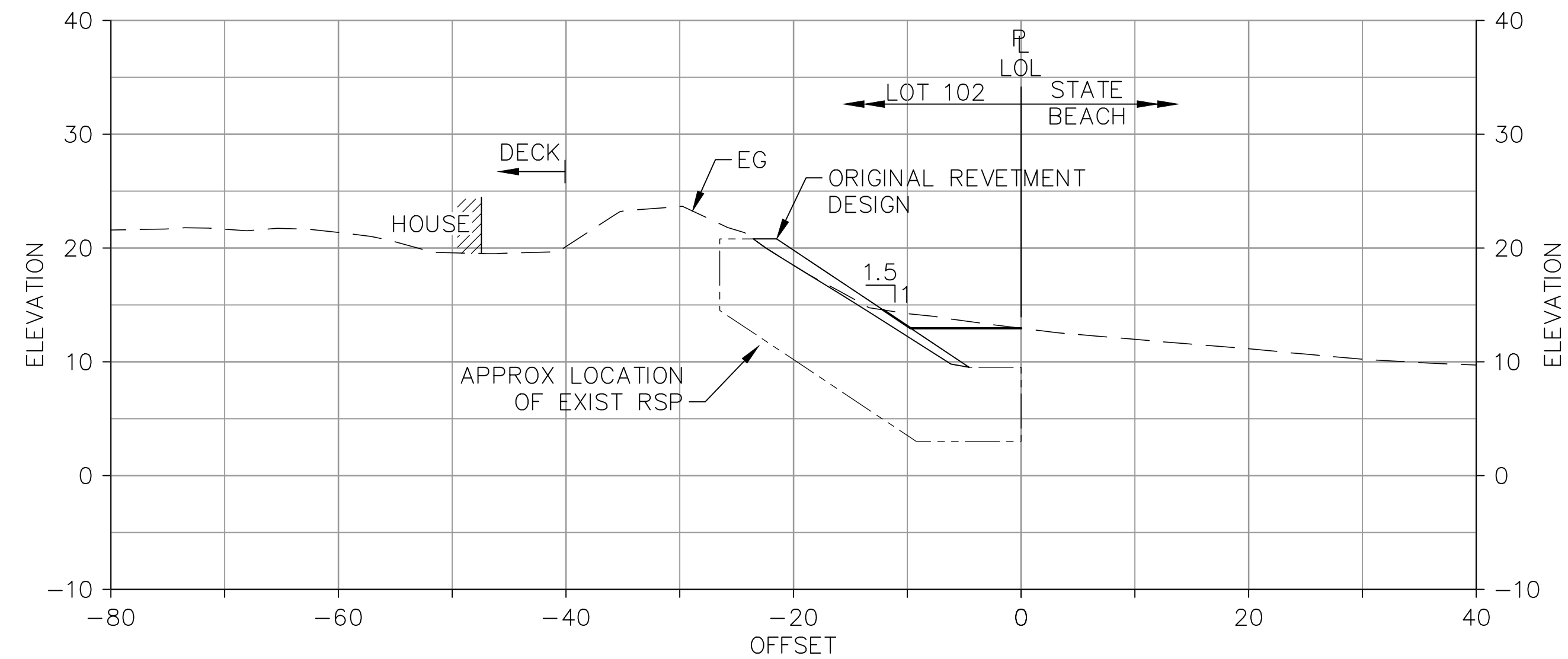


 CAL ENGINEERING & GEOLOGY	785 Ygnacio Valley Road Walnut Creek, CA 94596 Phone: (925) 935-9771		PAJARO DUNES GHAD ROCK REVETMENT MAINTENANCE PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA SECTIONS (4 OF 7)	
	DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 190780

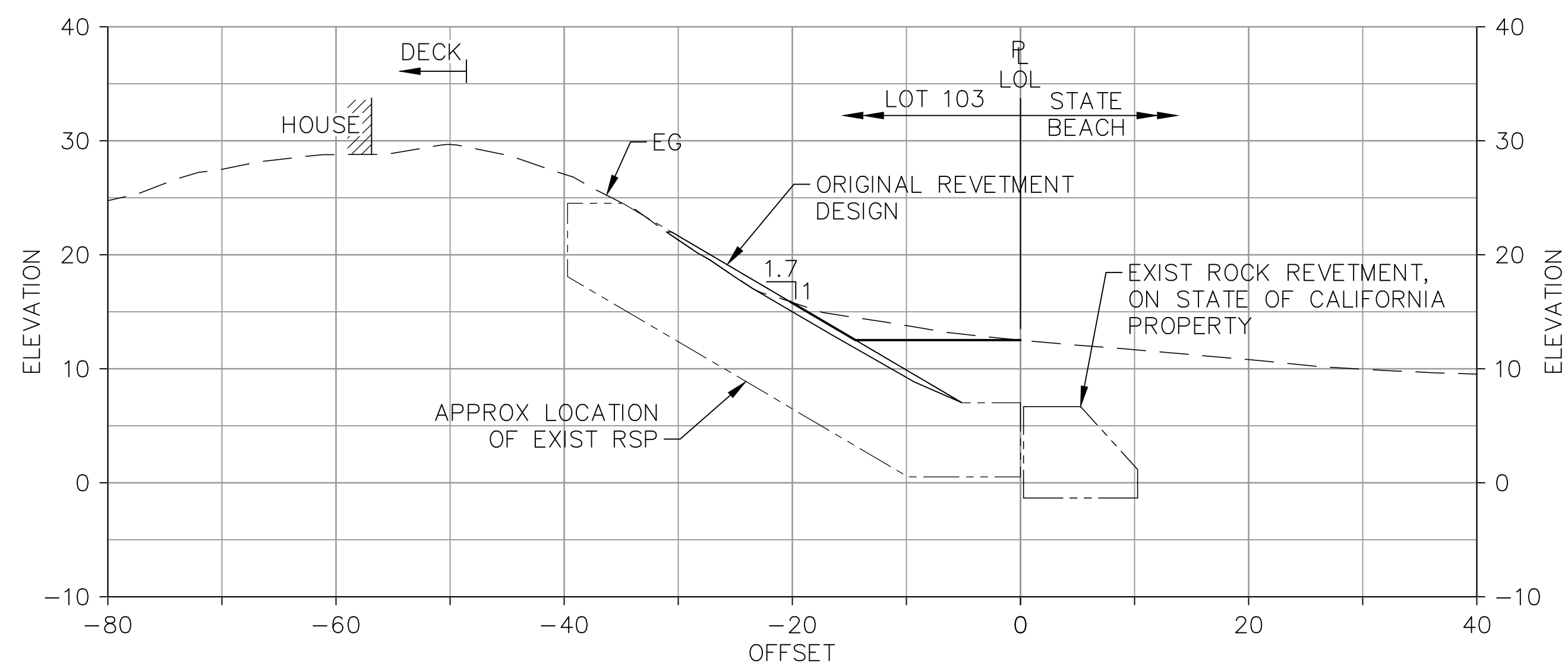
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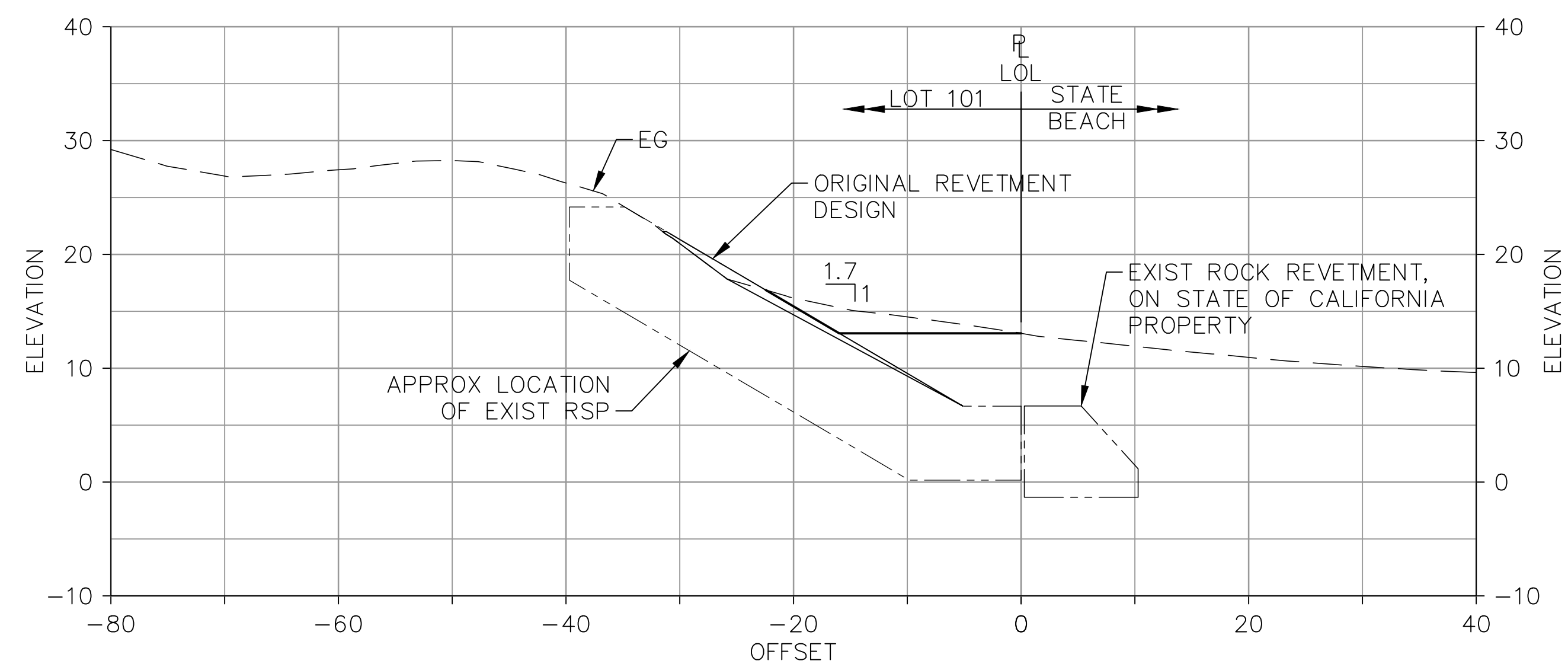
SECTION **LOT 107**
STA 10+20 **7**



SECTION **LOT 102**
STA 13+70 **8**



SECTION **LOT 103**
STA 13+00 **8**



SECTION **LOT 101**
STA 14+40 **8**

NOTES

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- 4TH: MATERIAL FROM PROPERTIES WITH 1.5:1 SLOPES

ROCK REVETMENT PLACEMENT AND SOURCING			
LOT	SLOPE	PLACEMENT (TONS)	SOURCING (TONS)
107	1.7:1	42	49
103	1.7:1	0	0
102	1.5:1	0	0
101	1.7:1	0	0

LEGEND

- AREAS REQUIRING ROCK PLACEMENT
- ROCK AVAILABLE FOR SOURCING



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MAY 2023**



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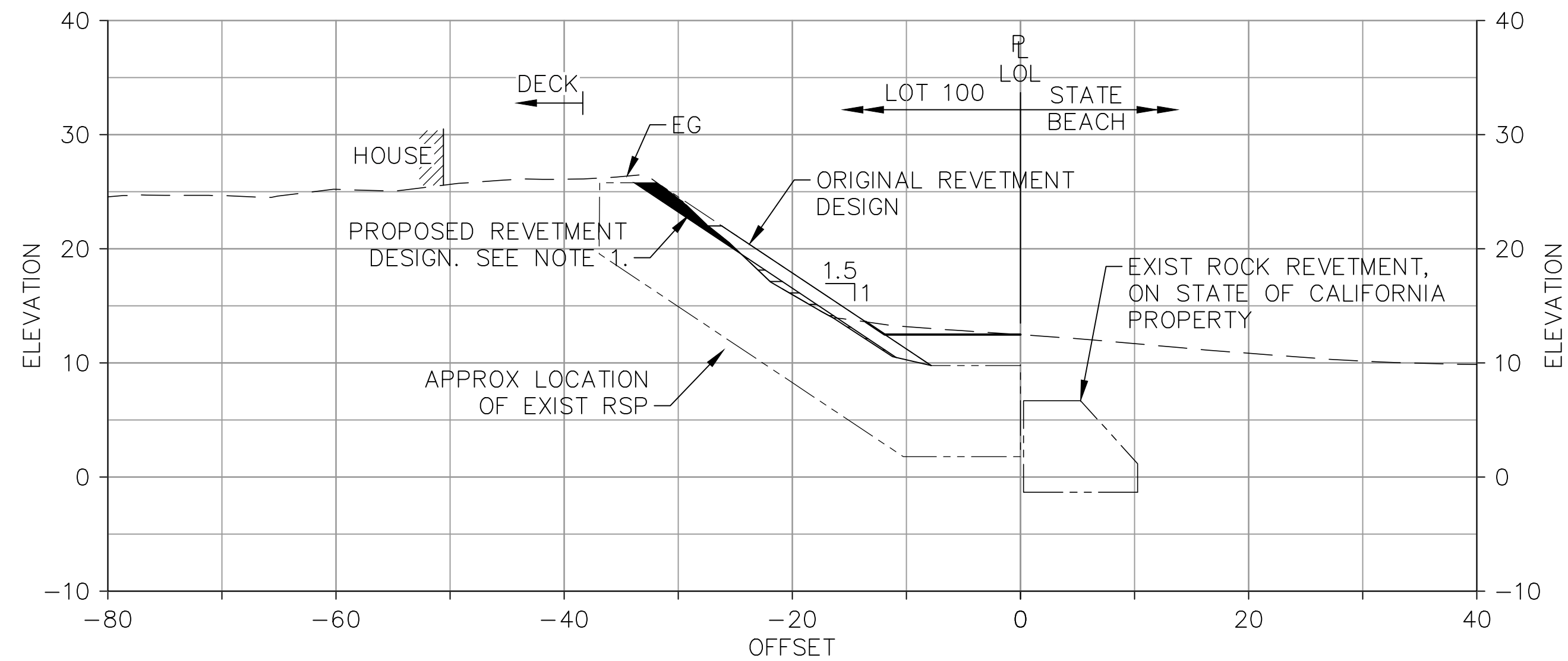
785 Ygnacio Valley Road
Walnut Creek, CA 94596
Phone: (925) 935-9771

PAJARO DUNES GHAD

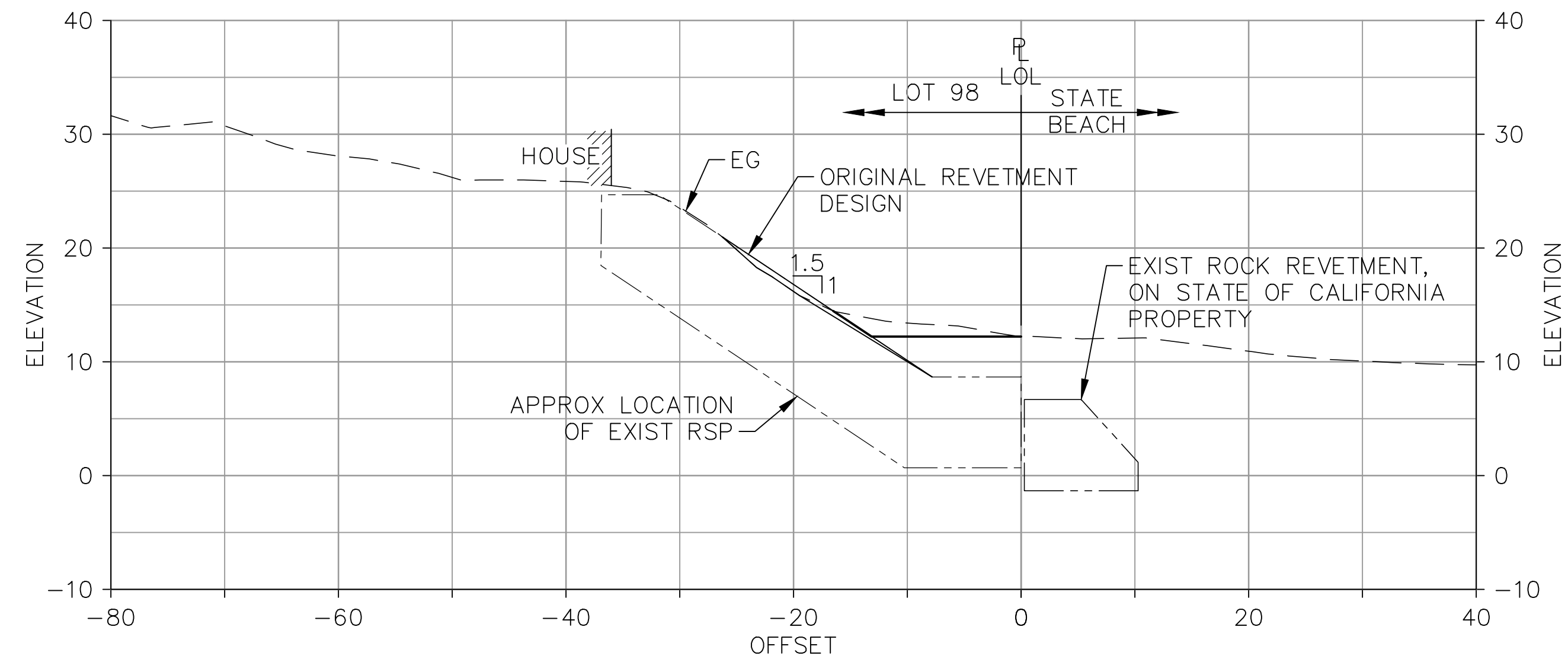
ROCK REVETMENT MAINTENANCE
PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA
SECTIONS (5 OF 7)

DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 190780	DATE MAY 2023	SHEET NO. OF 14 OF 16
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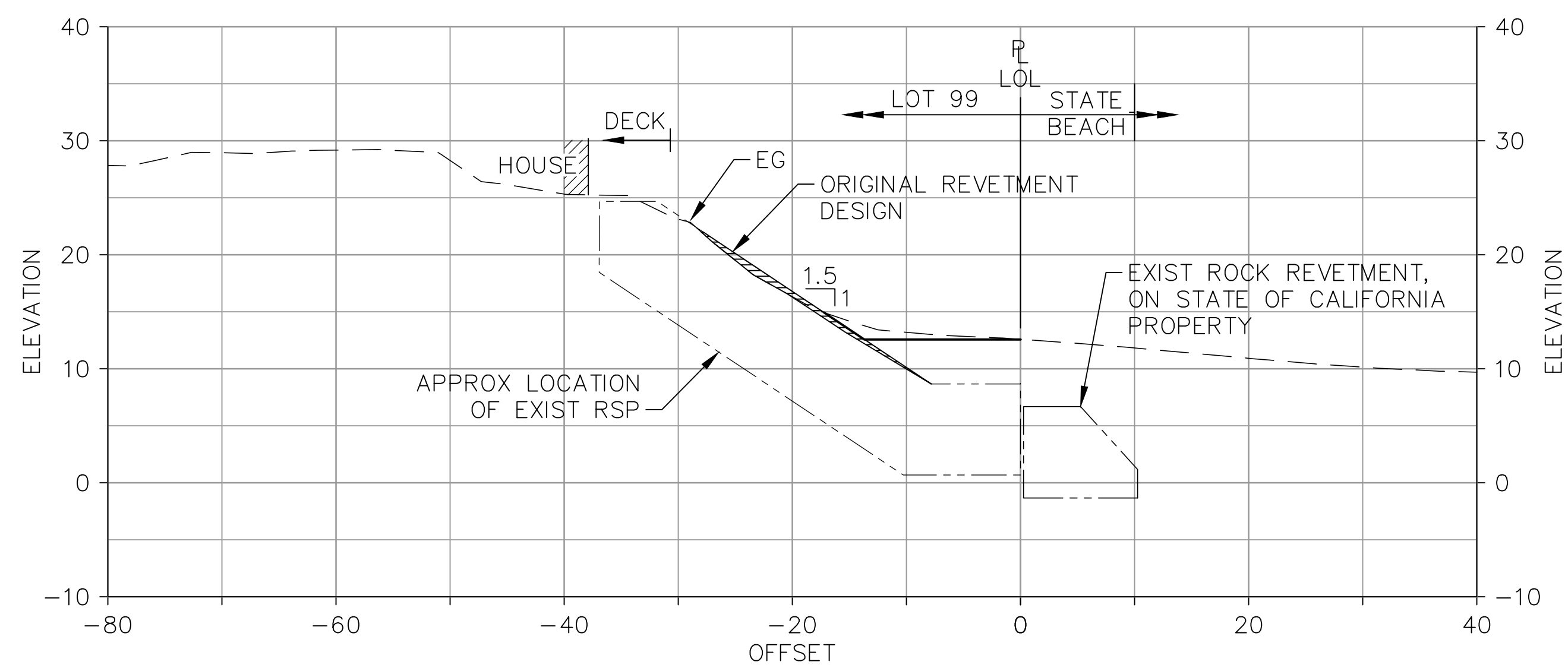
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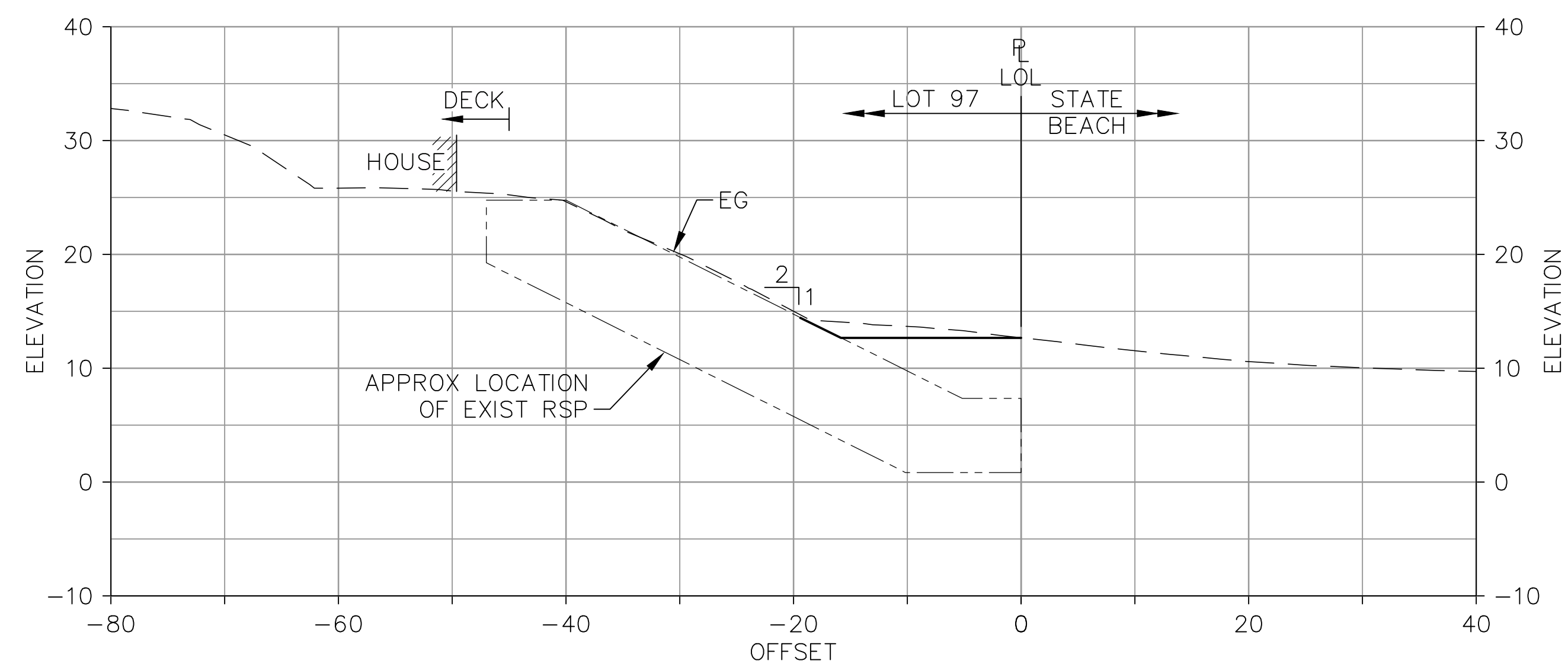
SECTION **LOT 100**
STA 15+10 **8**



SECTION **LOT 98**
STA 16+45 **9**



SECTION **LOT 99**
STA 15+80 **9**



SECTION **LOT 97**
STA 17+15 **9**

NOTES

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SOURCING PRIORITY

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- 3RD: MATERIAL FROM PROPERTIES WITH 1.7:1 SLOPES
- 4TH: MATERIAL FROM PROPERTIES WITH 1.5:1 SLOPES

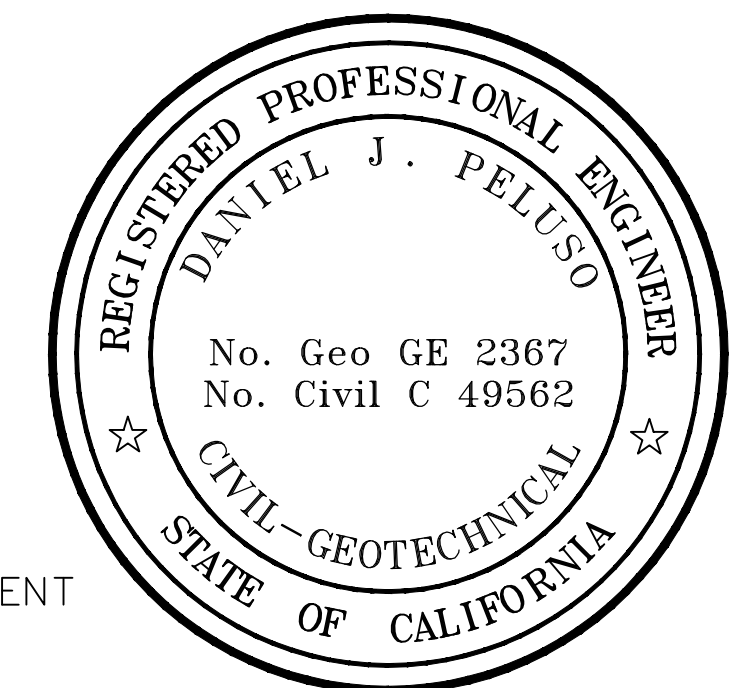
PLACEMENT PRIORITY

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- 3RD: PROPERTIES WITH SLOPES THAT ARE 2.0:1 OR STEEPER

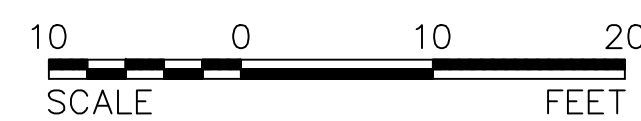
ROCK REVETMENT PLACEMENT AND SOURCING			
LOT	SLOPE	PLACEMENT (TONS)	SOURCING (TONS)
100	1.5:1	16	24
99	1.5:1	30	0
98	1.5:1	0	0
97	2.0:1	0	0

LEGEND

- [Hatched Box] AREAS REQUIRING ROCK PLACEMENT
- [Solid Black Box] ROCK AVAILABLE FOR SOURCING

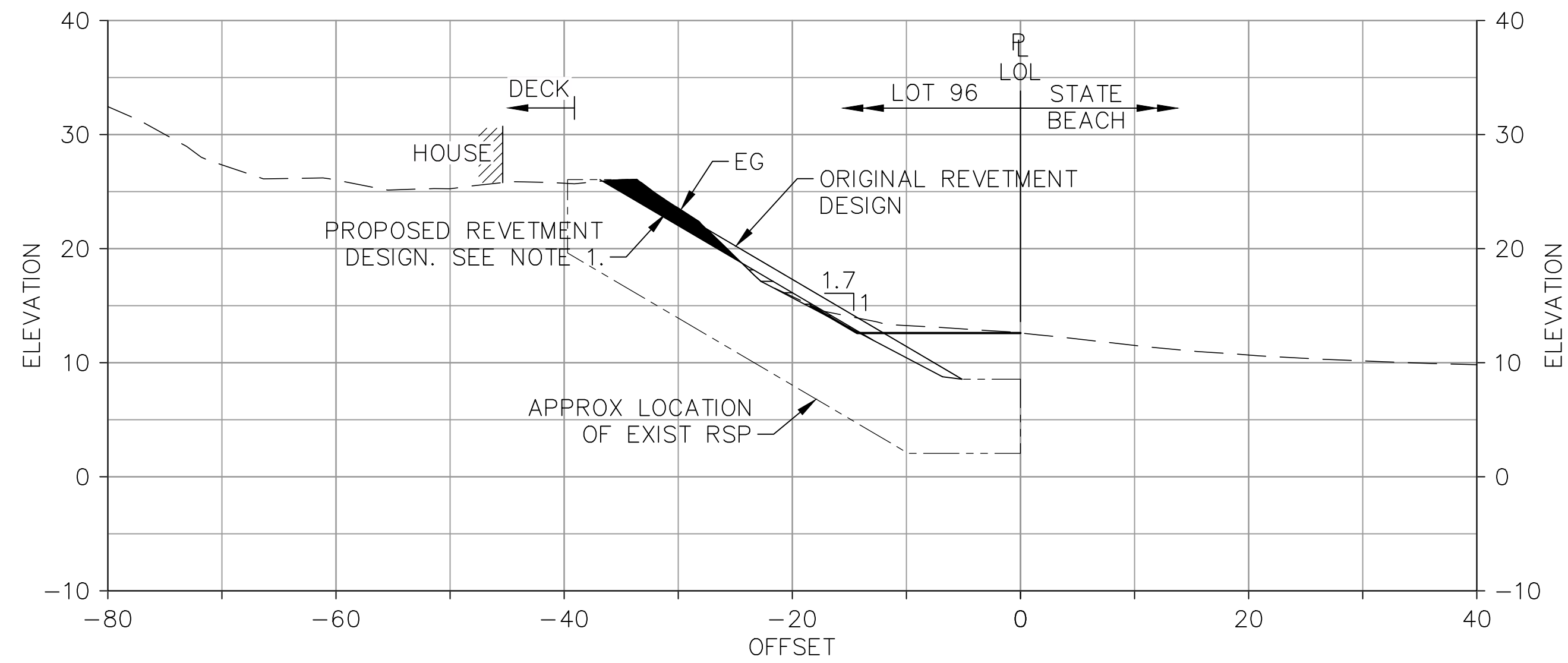


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MAY 2023**

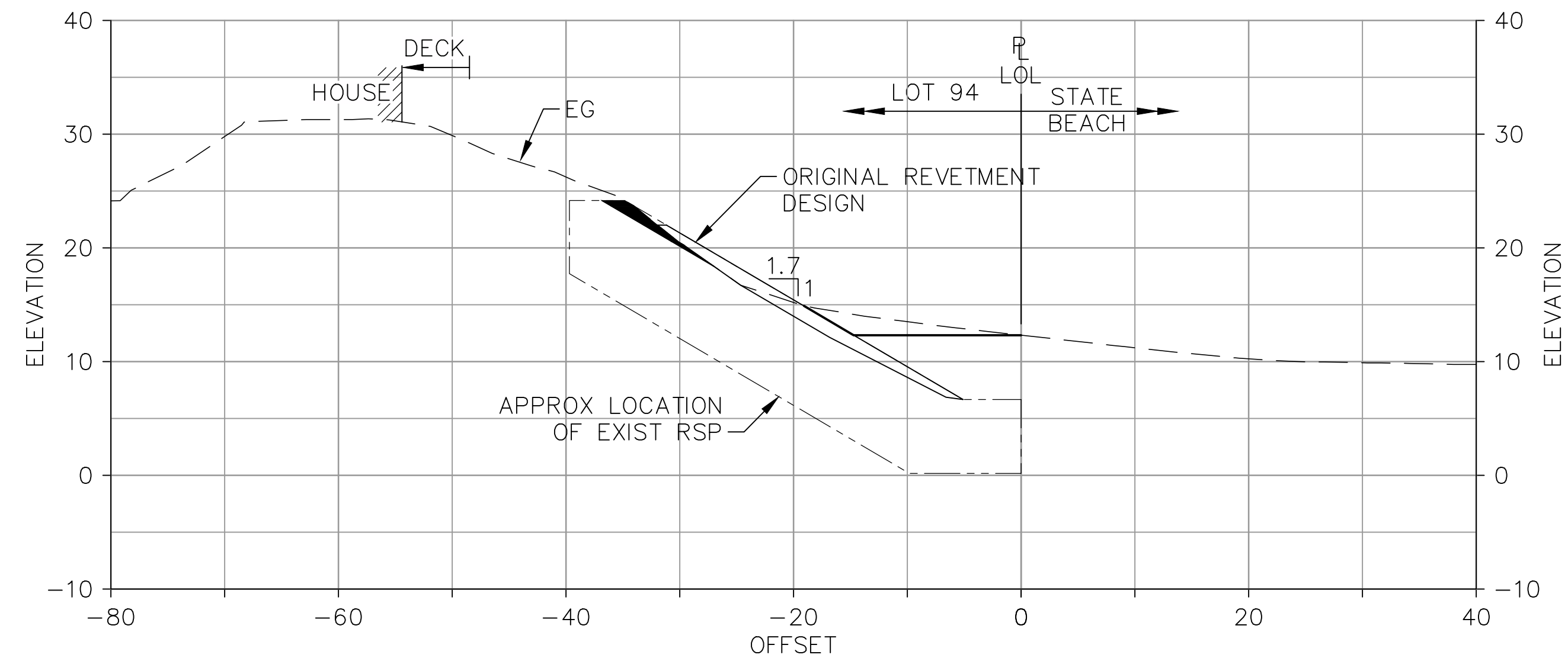


		785 Ygnacio Valley Road Walnut Creek, CA 94596 Phone: (925) 935-9771	
		PAJARO DUNES GHAD ROCK REVETMENT MAINTENANCE PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA SECTIONS (6 OF 7)	
DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 190780
DATE MAY 2023		SHEET NO. OF 15 OF 16	

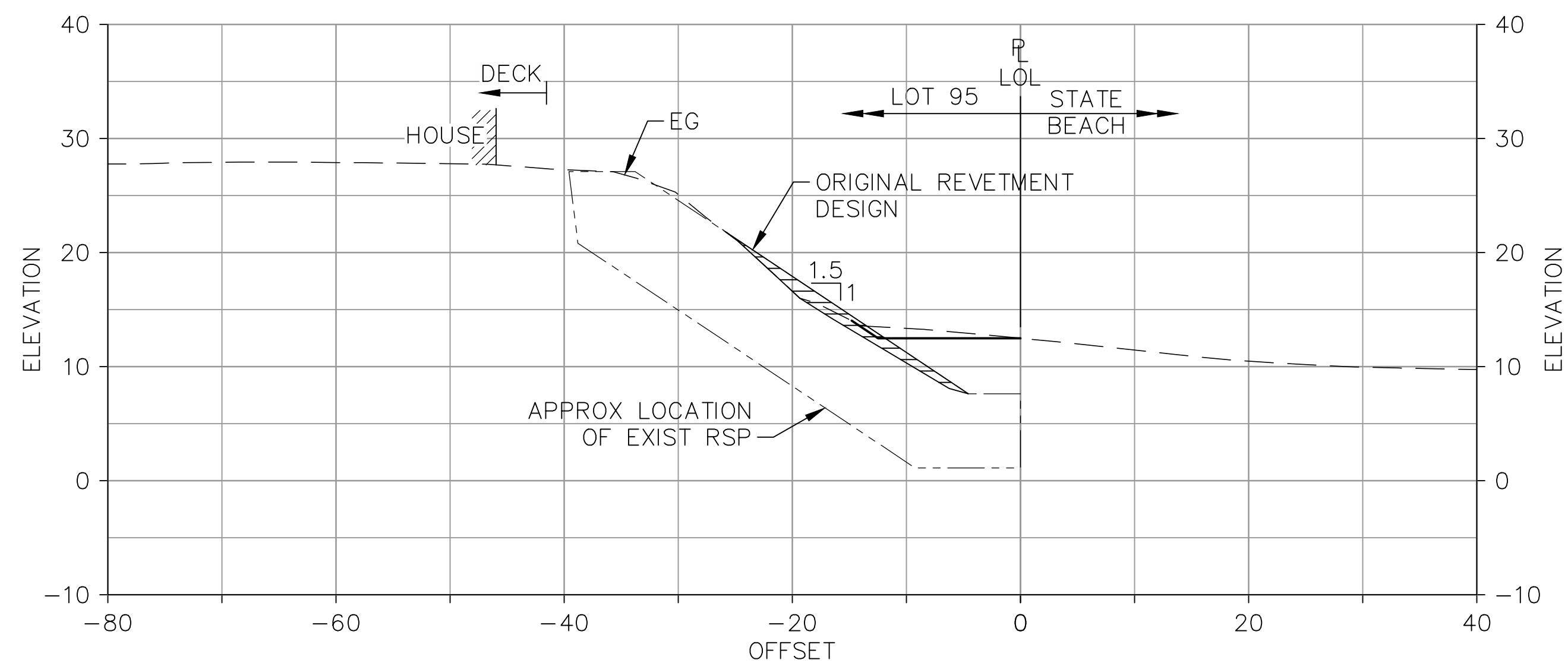
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SECTION **LOT 96**
STA 17+80 **9**



SECTION **LOT 94**
STA 19+25 **9**



SECTION **LOT 95**
STA 18+50 **9**

NOTES

1. PROPOSED REVETMENT DESIGN SLOPE MAY BE LOWERED UP TO 24" (TYP.) BELOW THE ORIGINAL REVETMENT DESIGN SLOPE (TOWARDS LOTS) FOR SELECTED SECTIONS. CONTRACTOR MAY SOURCE THE MATERIAL REMAINING IN FRONT OF THE PROPOSED REVETMENT SLOPE, IF NEEDED. SEE SOURCING PRIORITY LIST BELOW.
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- 4TH: MATERIAL FROM PROPERTIES WITH 1.5:1 SLOPES

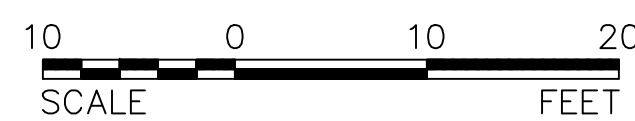
ROCK REVETMENT PLACEMENT AND SOURCING			
LOT	SLOPE	PLACEMENT (TONS)	SOURCING (TONS)
96	1.7:1	12	51
95	1.5:1	67	0
94	1.7:1	0	22

LEGEND

- AREAS REQUIRING ROCK PLACEMENT
- ROCK AVAILABLE FOR SOURCING



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MAY 2023**



<p>CAL ENGINEERING & GEOLOGY</p> <p>785 Ygnacio Valley Road Walnut Creek, CA 94596 Phone: (925) 935-9771</p>	<p>PAJARO DUNES GHAD</p> <p>ROCK REVETMENT MAINTENANCE PAJARO DUNES RESORT, WATSONVILLE, CALIFORNIA SECTIONS (7 OF 7)</p>		
	<p>DESIGNED C. HOCKETT</p>	<p>DRAWN K. DROZYNSKA</p>	<p>CHECKED D. PELUSO</p>
		<p>DATE MAY 2023</p>	<p>SHEET NO. OF 16 16</p>

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**DRAFT PAJARO DUNES GEOLOGIC HAZARD ABATEMENT DISTRICT - ZONE 2
BUDGET FOR FOR THE FISCAL YEAR ENDED JUNE 30, 2024**

	DRAFT Budget
<hr/>	
REVENUE FOR ZONE 2	
Property Assessments	239,498
Pelican	238,228
Total PDA for stairway	1,269
Interest	150
<i>Total Revenue for Zone 2</i>	<hr/> 239,648 <hr/>
EXPENDITURES FOR ZONE 2	
<i>Administrative Costs</i>	
Contract for Assessment Administration	1,197
Accountant/Clerk Contract	2,992
Bond Fee	731
Bank Service Charges	550
	<hr/>
Total Administrative Costs	<hr/> 5,470 <hr/>
<i>Riverwall Inspection</i>	<hr/> - <hr/>
<i>Loan Payments</i>	
SBA Loan Payment	92,856
Payment on bond issue (82 members)	141,322
	<hr/>
Total loan payments	<hr/> 234,178 <hr/>
<i>Total Expenditures for Zone 2</i>	<hr/> 239,648 <hr/>
Net Change in Fund Balance	<hr/> - <hr/>

**PAJARO DUNES GEOLOGIC HAZARD ABATEMENT DISTRICT - ZONE 1
BUDGET FOR FOR THE FISCAL YEAR ENDED JUNE 30, 2024**

FUNDING SOURCES FOR ZONE 1	FY24	FY23	FY24	County Object Number	
	<u>Spending Budget</u>	<u>Previously Received</u>	<u>Assessment</u>	404823 Operating Assessment	404853 Emergency Reserve
Property Assessments:			\$ 233,563		
From Members			226,577		
From PDA for Stairways			6,985		
Interest income			3,000		
Total Revenue for Zone 1			<u>236,563</u>		
 Administrative and Operating Expenses					
General and Administrative Expenses					
Printing and mailings	\$ 1,728	\$ -	\$ 1,728		
Communications and Website maintenance	1,728	-	1,728		
Office Supplies	633	-	633		
Advertising	576	-	576		
Insurance	17,281	-	17,281		
Membership Dues	576	-	576		
Total General and Administrative Expenses	<u>22,523</u>	<u>-</u>	<u>22,523</u>		
Professional Services					
Legal Consultant	20,737	-	20,737		
Contract costs for Assessment calculations	3,664	-	3,664		
Audit Fees	11,520	-	11,520		
Accountant Contract	20,737	-	20,737		
Engineer Fees/County permit	135,541	-	135,541		
Clerk Contract/Admin. & Outreach	9,677	-	9,677		
Total Professional Services	<u>201,876</u>	<u>-</u>	<u>201,876</u>		
Special District Compliance Costs					
Elections	2,852	-	2,852		
Board and Clerk Training	2,535	-	2,535		
Total Special District Compliance Costs	<u>5,387</u>	<u>-</u>	<u>5,387</u>		
Seawall Inspection	<u>6,777</u>	<u>-</u>	<u>6,777</u>		
 Total Administrative and Operating Expenses	 <u>\$ 236,563</u>	 <u>\$ -</u>	 <u>\$ 236,563</u>	 236,563	