

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 OR IN THE CONTRACT DOCUMENTS. ALL PROJECT DESIGN AND CONSTRUCTION SHALL COMPLY WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL DESIGN REPORT DATED APRIL 11, 2025 BY HALEY & ALDRICH, INC., FILE NO. 0207516-000. PER [SCCC 16.10.070]

2. PERMITS

OWNER SHALL BE RESPONSIBLE FOR ALL TEMPORARY CONSTRUCTION EASEMENTS, COUNTY GRADING PERMIT, AND CEQA DOCUMENTATION. CONTRACTOR SHALL BE RESPONSIBLE FOR FILING AND MAINTAINING THE CONSTRUCTION GENERAL PERMIT STORM WATER POLLUTION PREVENTION PLAN (SWPPP).

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 VIA THE CONSTRUCTION MANAGER.

6. INSPECTIONS

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

ON-SITE CONSTRUCTION INSPECTIONS SHALL BE PERFORMED BY MNS ENGINEERS. NO SITE WORK WILL BE AUTHORIZED UNLESS THE MNS CONSTRUCTION MANAGER (CM) OR CONSTRUCTION INSPECTOR (CI) IS NOTIFIED AND A DETERMINATION MADE WHETHER ON-SITE CI IS REQUIRED FOR THE GIVEN DAILY CONSTRUCTION ACTIVITY.

7. STAGING RESTORATION

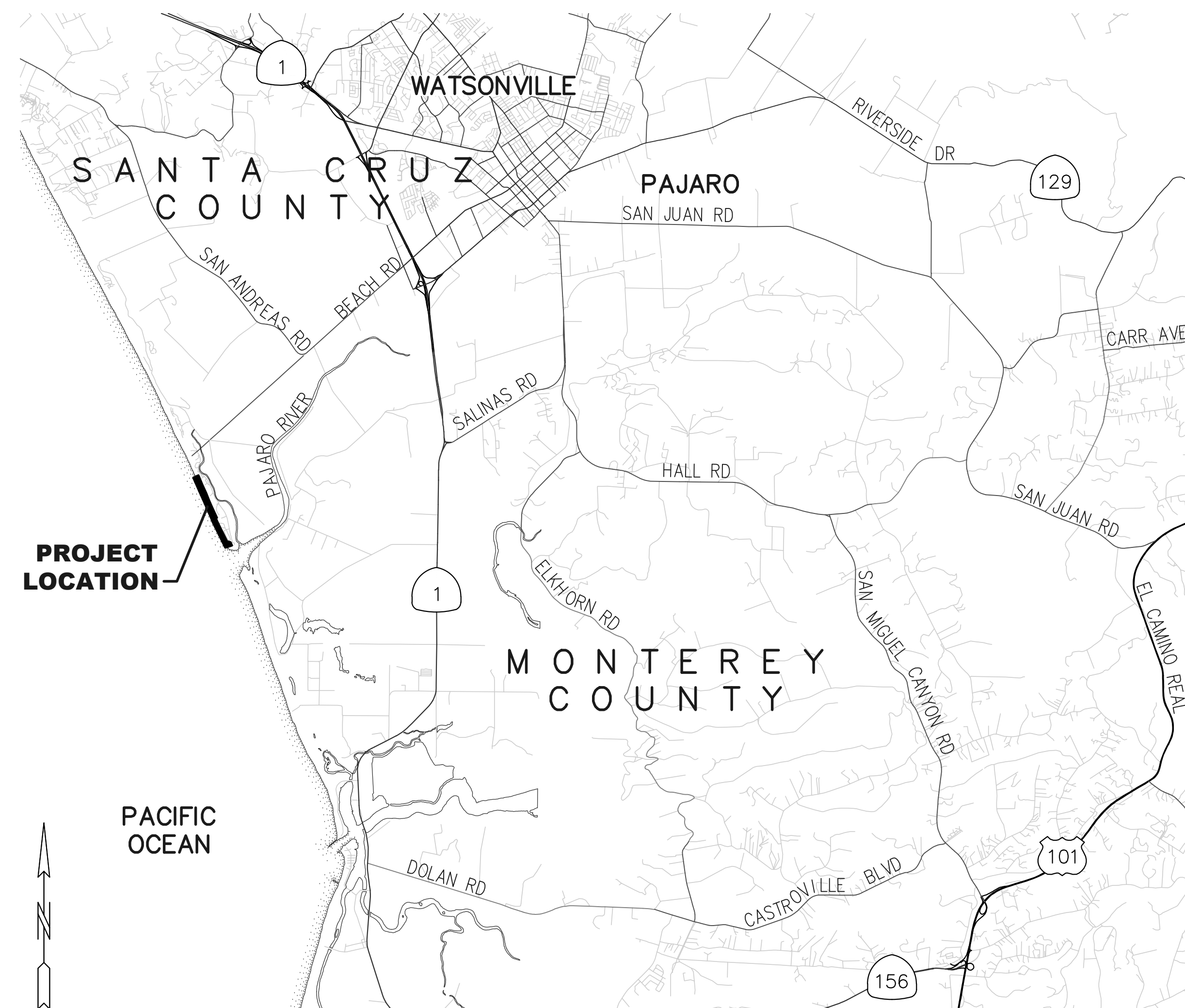
STAGING AREAS SHALL BE RESTORED TO THEIR PRE-CONSTRUCTION CONDITION. CONTRACTOR SHALL DOCUMENT THE PRE-CONSTRUCTION CONDITION OF ALL STAGING AREAS AND ACCESS ROUTES PRIOR TO CONSTRUCTION. PAVEMENT AREAS SHALL BE RESTORED BY REMOVING AND REPLACING THE DAMAGED PAVEMENT WITH 3" AC (TYPE A) OVER 6" CLASS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

THE RESTORATION OF STAGING AREAS AND ACCESS ROUTES TO PRE-CONSTRUCTION CONDITIONS IS CURRENTLY IN PROGRESS. MNS ENGINEERS IS COORDINATING FINAL RESTORATION AND DOCUMENTATION EFFORTS WITH THE PAJARO DUNES GEOLOGIC HAZARD ABATEMENT DISTRICT (PDGHAD) TO ENSURE ALL PROJECT AREAS ARE RETURNED TO THEIR ORIGINAL STATE.

# PAJARO DUNES GHAD

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

**MARCH 2026**



### RECORD DRAWING

THIS RECORD DRAWING WAS PREPARED BASED ON FIELD OBSERVATIONS DURING CONSTRUCTION AND NON-SURVEY MEASUREMENT METHODS. THE FINISHED GRADES REFLECT SURFACE DEVELOPED USING LIDAR AND ORTHOIMAGERY DATA COLLECTED WITH UAS.

**17 MARCH 2026**

GENERAL NOTES, CONTINUED

8. TOTAL ROCK

TOTAL AMOUNT OF ROCK MATERIAL SOURCED AND UTILIZED TO ACHIEVE PROJECT REQUIREMENTS WAS 2601 TONS. SEE SHEET 2 FOR SOURCE DETAILS.

9. DATA SOURCE

TOPOGRAPHY AND REVETMENT GEOMETRY SHOWN ON THESE RECORD DRAWING PLANS ARE BASED ON FIELD OBSERVATIONS DURING CONSTRUCTION, AS WELL AS LIDAR AND ORTHOIMAGERY DATA COLLECTED WITH UAS BY HALEY & ALDRICH IN JANUARY 2026.

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, STORM WATER POLLUTION PREVENTION PLAN, 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, 2018 EDITION, APPLY:

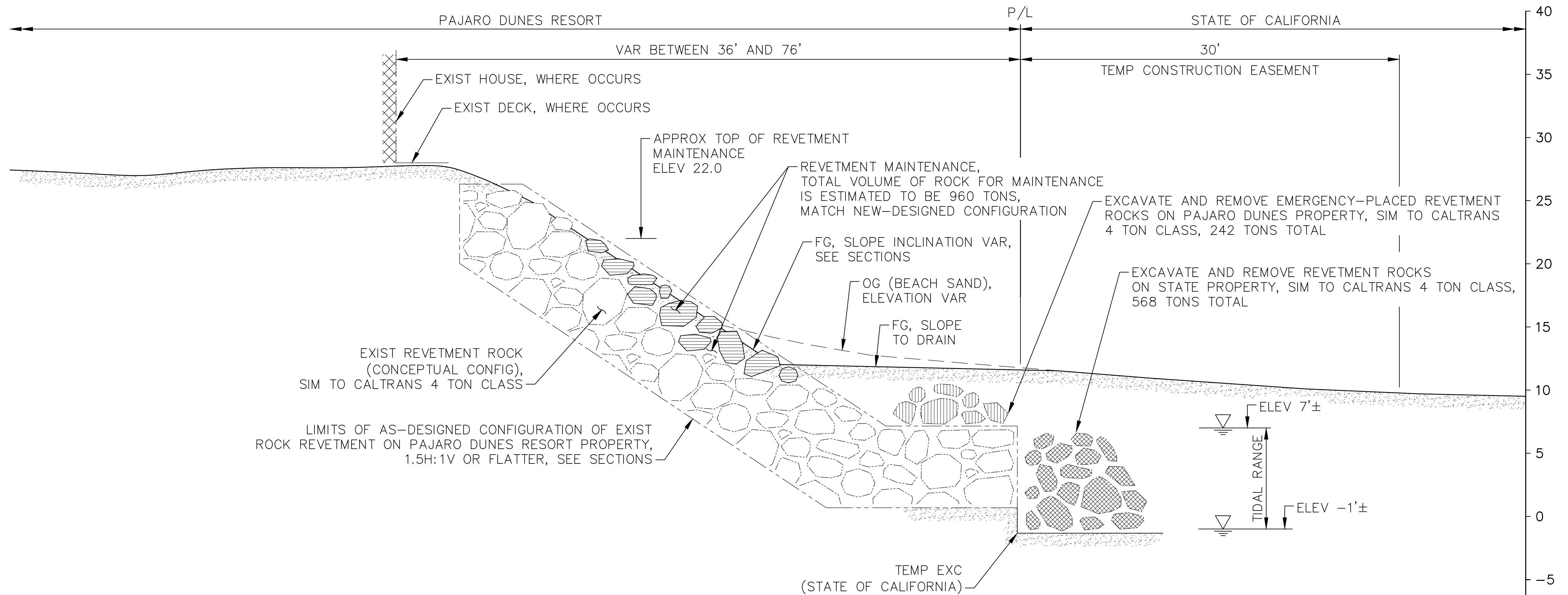
- A10A ABBREVIATIONS (SHEET 1 OF 2)
- A10B ABBREVIATIONS (SHEET 2 OF 2)
- A10C LINES AND SYMBOLS (SHEET 1 OF 3)
- A10D LINES AND SYMBOLS (SHEET 2 OF 3)
- A10E LINES AND SYMBOLS (SHEET 3 OF 3)



### PAJARO DUNES GHAD

ROCK REVETMENT MAINTENANCE  
PAJARO DUNES SOUTH, WATSONVILLE, CALIFORNIA  
TITLE SHEET

		HALEY & ALDRICH, INC. 201 N. Civic Drive, Suite 220 Walnut Creek, CA 94596-3880 Tel: 925.949.1012 www.haleyaldrich.com		PROJECT NO. 0207516-000		DATE MARCH 17, 2026		SHEET NO. OF 1 16	
DESIGNED	DRAWN	CHECKED	PROJECT NO.	DATE	SHEET NO.	OF			
C. HOCKETT	K. DROZYNSKA	D. PELUSO	0207516-000	MARCH 17, 2026	1	16			



**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.
10. REVETMENT RESTACKING TO ORIGINAL DESIGN SLOPE GRADIENTS MAY REQUIRE REMOVAL OF EXISTING ROCKS IN THE INCORRECT GRADIENT ZONE AND RESTACKING OF THOSE ROCKS ALONG WITH THE ADDITION OF ROCKS SOURCED FROM OTHER SOURCE AREAS.

THE FOLLOWING IS THE AMOUNT OF MATERIAL THAT WAS PLACED TO ACHIEVE THE REQUIRED SLOPE GRADIENTS OF THE REVETMENT AND THE AMOUNT OF MATERIAL WHICH WAS AVAILABLE.

- REVETMENT MAINTENANCE REQUIRED FOR NEW-DESIGNED CONFIGURATION: 2366 TONS
- SOURCING AVAILABLE FROM STATE PROPERTY: 568 TONS
- SOURCING AVAILABLE FROM EMERGENCY-PLACED ROCK ON PAJARO DUNES PROPERTY: 242 TONS
- SOURCING AVAILABLE FROM EXISTING REVETMENT: 1791 TONS

ROCK REMOVAL FROM CALIFORNIA STATE PARKS		
LOT	AMOUNT REMOVED (TONS)*	DATE
98	78	9/24/2025
99	220	9/24/2025
100	115	9/23/2025 - 9/24/2025
101	24	9/23/2025
102	25	9/23/2025
103	106	9/25/2025
TOTAL:	568	

\* APPROXIMATE TONNAGE BASED ON FIELD ESTIMATES



**RECORD DRAWING**

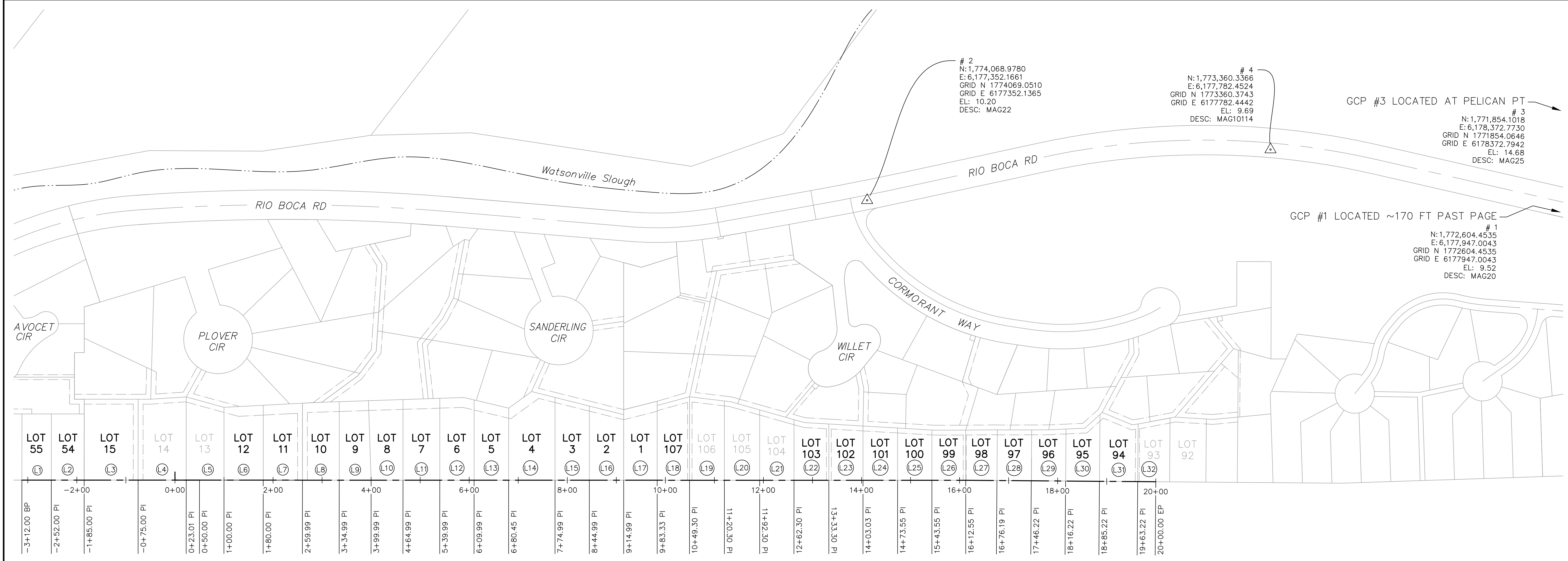
THIS RECORD DRAWING WAS PREPARED BASED ON FIELD OBSERVATIONS DURING CONSTRUCTION AND NON-SURVEY MEASUREMENT METHODS. THE FINISHED GRADES REFLECT SURFACE DEVELOPED USING LIDAR AND ORTHOIMAGERY DATA COLLECTED WITH UAS.

**17 MARCH 2026**

	HALEY & ALDRICH, INC. 201 N. Civic Drive, Suite 220 Walnut Creek, CA 94596-3880 Tel: 925.949.1012 www.haleyaldrich.com		<b>PAJARO DUNES GHAD</b> ROCK REVETMENT MAINTENANCE PAJARO DUNES SOUTH, WATSONVILLE, CALIFORNIA TYPICAL SECTION		
	DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 0207516-000	DATE MARCH 17, 2026

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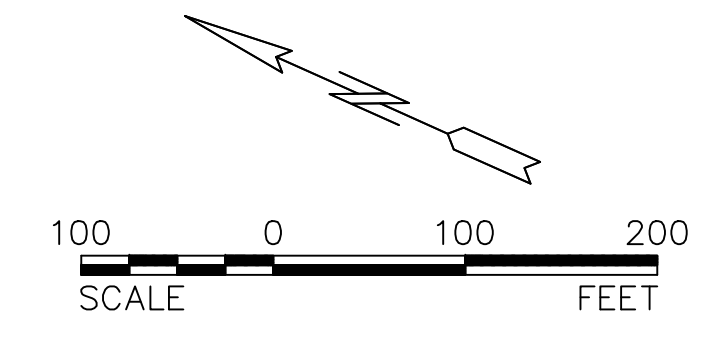
LOT	PI	STATION
LOT 55	L1	-3+12.00 BP
LOT 54	L2	-2+52.00 PI
LOT 15	L3	-1+85.00 PI
LOT 14	L4	0+75.00 PI
LOT 13	L5	0+23.01 PI
LOT 13	L5	0+50.00 PI
LOT 12	L6	1+00.00 PI
LOT 11	L7	1+80.00 PI
LOT 10	L8	2+59.99 PI
LOT 9	L9	3+34.99 PI
LOT 8	L10	3+99.99 PI
LOT 7	L11	4+64.99 PI
LOT 6	L12	5+39.99 PI
LOT 5	L13	6+09.99 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
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

**UAS DATA REFERENCE**  
 1. CONTOURS CALCULATED FROM LIDAR-DERIVED DIGITAL ELEVATION MODEL, UAV FLIGHT PERFORMED ON 29 JANUARY 2026.  
 2. HIGH RESOLUTION ORTHOIMAGERY CAPTURED BY HALEY & ALDRICH ON 29 JANUARY 2026.  
 HORIZONTAL DATUM: COORDINATES ARE APPROXIMATE TO NAD83 CALIFORNIA ZONE 3 VALUES.  
 VERTICAL DATUM: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)



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**17 MARCH 2026**

**HALEY ALDRICH**  
 HALEY & ALDRICH, INC.  
 201 N. Civic Drive, Suite 220  
 Walnut Creek, CA 94596-3880  
 Tel: 925.949.1012  
 www.haleyaldrich.com

DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO
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**PAJARO DUNES GHAD**  
 ROCK REVETMENT MAINTENANCE  
 PAJARO DUNES SOUTH, WATSONVILLE, CALIFORNIA  
 PROJECT CONTROL

PROJECT NO. 0207516-000	DATE MARCH 17, 2026	SHEET NO. OF 3 OF 16
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**PROJECT LOCATION,  
SEE SITE PLAN**

**NOTES**

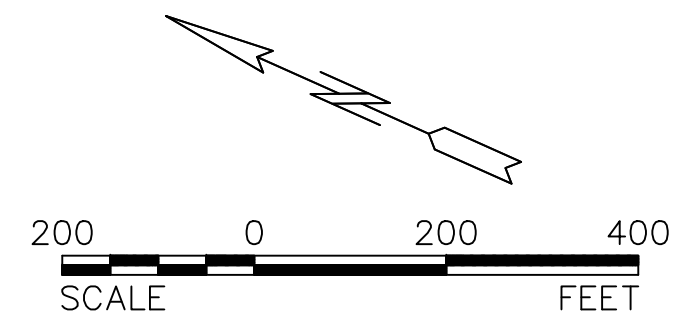
1. VEHICULAR ACCESS TO THE BEACH SHALL BE LIMITED TO THE VEHICULAR ACCESS ROUTES SHOWN. BEACH ACCESS FROM THE PARKING AREAS ALONG RIO BOCA ROAD SHALL BE LIMITED TO PEDESTRIANS ONLY.

**BASEMAP REFERENCE**

1. ORTHOIMAGERY FROM SANTA CRUZ COUNTY, 2016.

**LEGEND**

- SITE ACCESS
- CONTRACTOR PARKING
- STAGING AREA (UNDEVELOPED)



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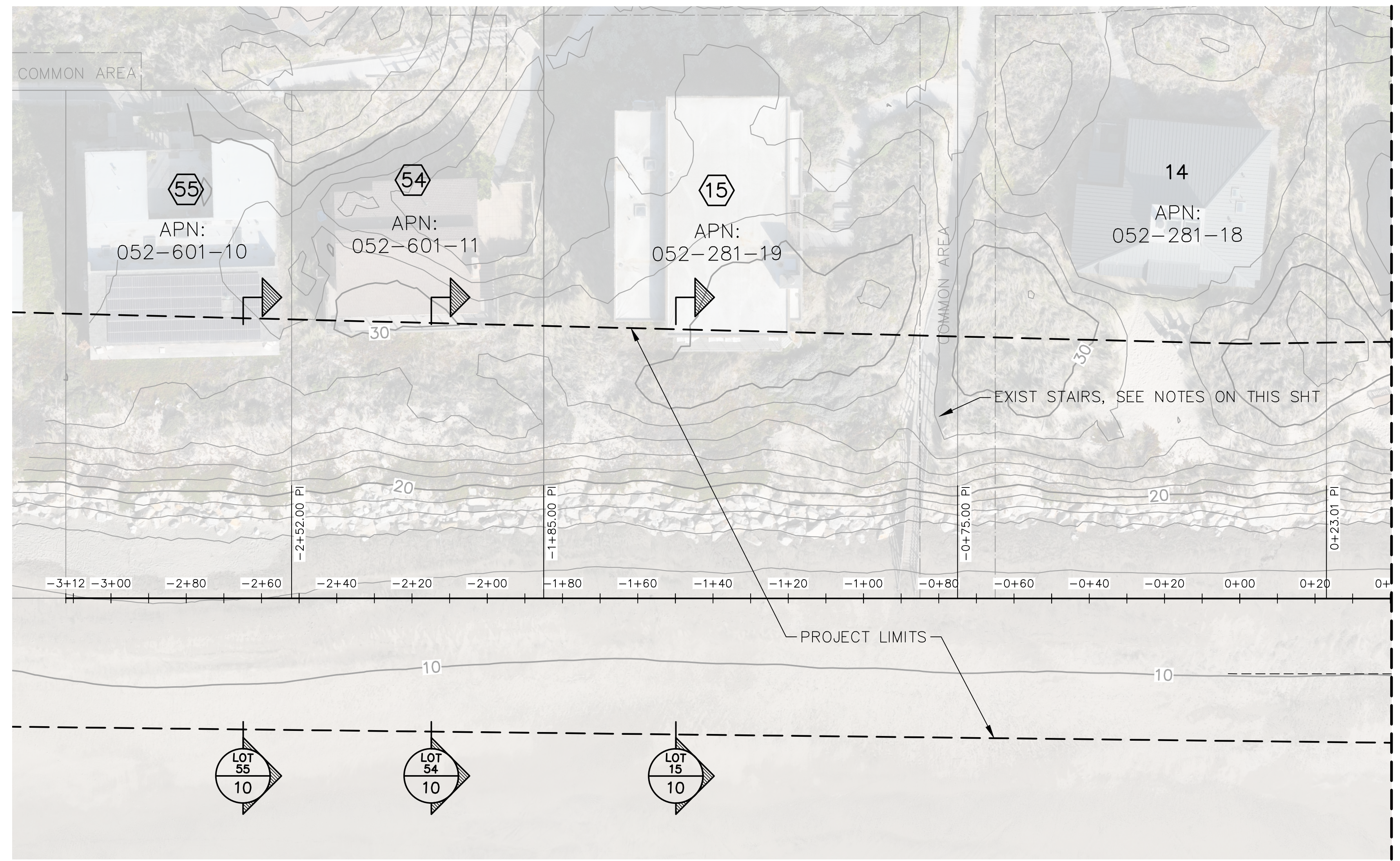
17 MARCH 2026



		PAJARO DUNES GHAD	
		ROCK REVETMENT MAINTENANCE PAJARO DUNES SOUTH, WATSONVILLE, CALIFORNIA SITE ACCESS AND STAGING AREA	
DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 0207516-000
DATE MARCH 17, 2026		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**

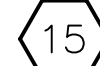
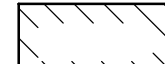

1. STRUCTURAL TIMBER AND LUMBER SHALL BE BROWN PRESSURE-TREATED DOUGLAS FIR NO. 1 OR BETTER.
2. BOLTS SHALL BE ASTM A307 GRADE A. NUTS SHALL BE AMERICAN STANDARD HEAVY, SEMI-FINISHED HEXAGON TAPPED, UNC THREAD SERIES, CLASS 2B. WASHERS SHALL BE OVERSIZED. ALL PARTS SHALL BE HOT-DIP GALVANIZED PER ASTM 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.

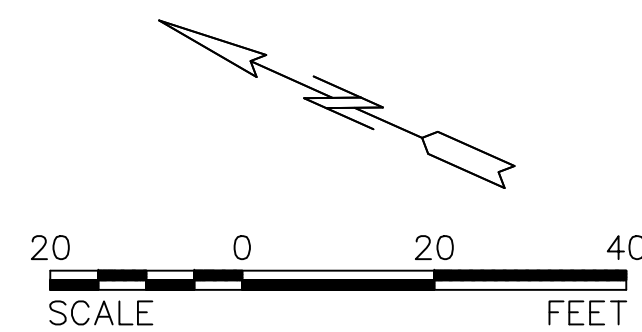
**EMERGENCY-PLACED ROCK**

TOTAL QUANTITIES OF BURIED EMERGENCY-PLACED ROCK WERE REMOVED FROM THE FOLLOWING LOCATIONS:

1. ON STATE PARKS PROPERTY IN FRONT OF THE REVETMENT TOE ADJACENT TO LOTS 98, 99, 100, 102, AND 103. TOTAL OF APPROX 568 TONS.
2. ON PAJARO DUNES PROPERTY OVERLYING THE ROCK REVETMENT TOE ON LOTS 15, 54, 55, 103, AND 107. TOTAL OF 242 TONS.

**LEGEND**

-  LOT WITH PERFORMED MAINTENANCE WORK
-  REVETMENT MAINTENANCE
-  PROTECTED BIOM AREA




**RECORD DRAWING**

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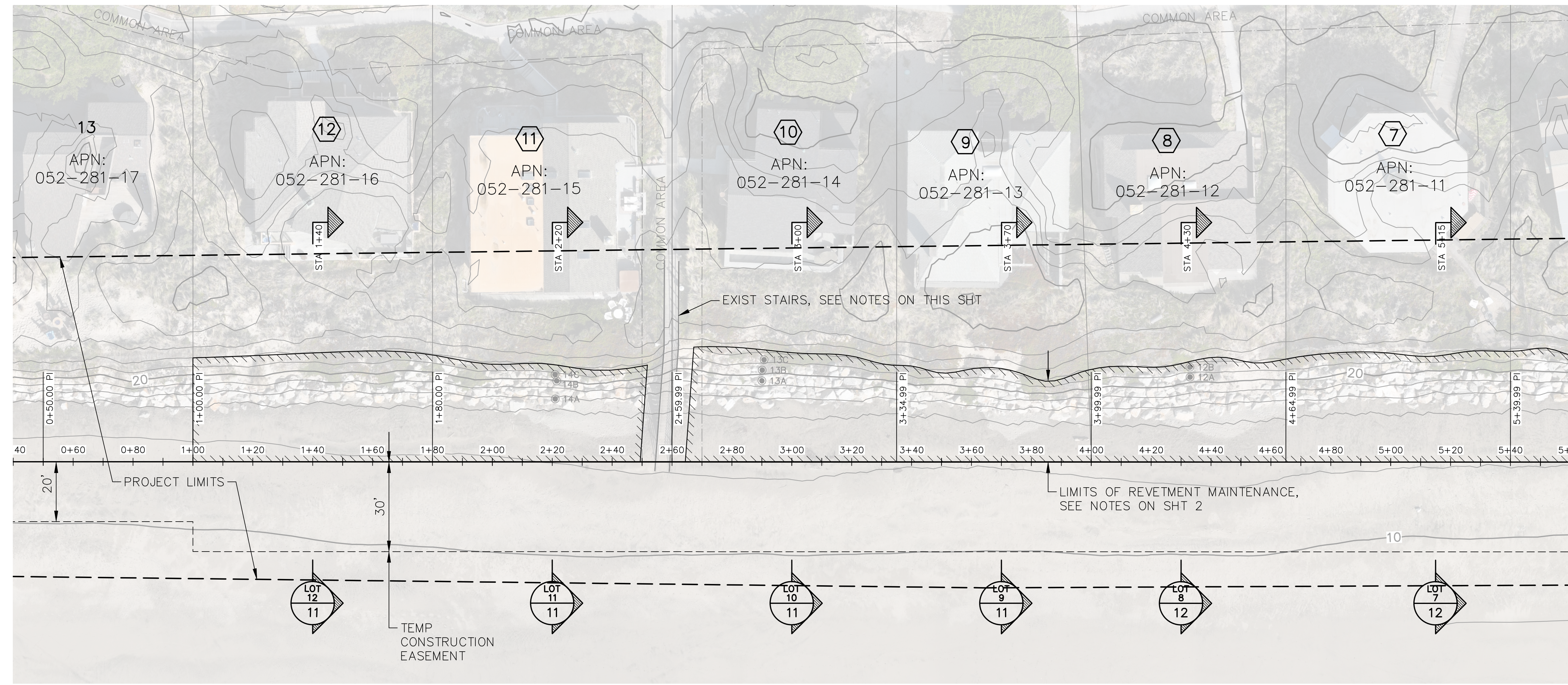





		HALEY & ALDRICH, INC. 201 N. Civic Drive, Suite 220 Walnut Creek, CA 94596-3880 Tel: 925.949.1012 www.haleyaldrich.com		<b>PAJARO DUNES GHAD</b> ROCK REVETMENT MAINTENANCE PAJARO DUNES SOUTH, WATSONVILLE, CALIFORNIA SITE PLAN (1 OF 5)	
		DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 0207516-000

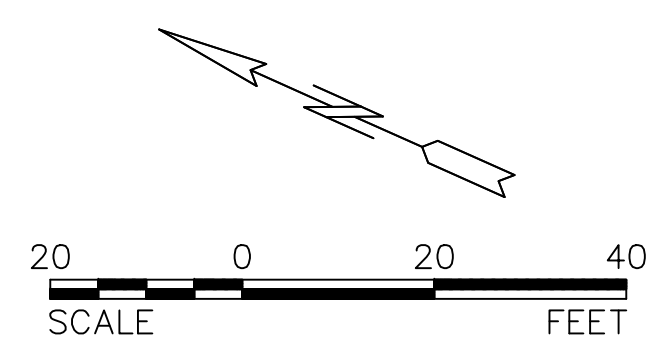
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MATCH LINE STA 0+40, SEE SHEET 5

MATCH LINE STA 5+60, SEE SHEET 7



- LEGEND**
-  LOT WITH PERFORMED MAINTENANCE WORK
  -  REVETMENT MAINTENANCE
  -  PROTECTED BIOM AREA




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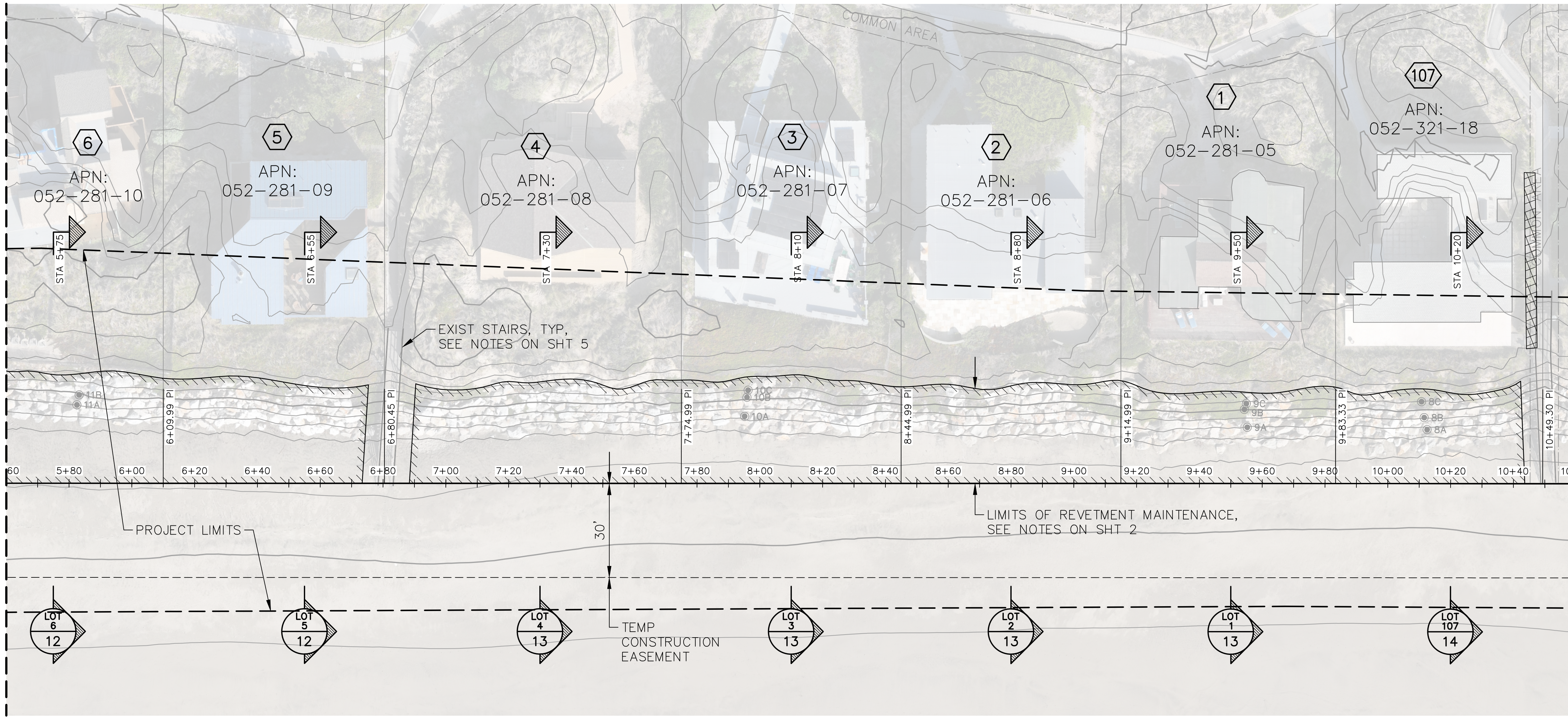
**17 MARCH 2026**






		HALEY & ALDRICH, INC. 201 N. Civic Drive, Suite 220 Walnut Creek, CA 94596-3880 Tel: 925.949.1012 www.haleyaldrich.com		<b>PAJARO DUNES GHAD</b>	
		ROCK REVETMENT MAINTENANCE PAJARO DUNES SOUTH, WATSONVILLE, CALIFORNIA SITE PLAN (2 OF 5)			
DESIGNED	DRAWN	CHECKED	PROJECT NO.	DATE	SHEET NO. OF
C. HOCKETT	K. DROZYNSKA	D. PELUSO	0207516-000	MARCH 17, 2026	6 OF 16

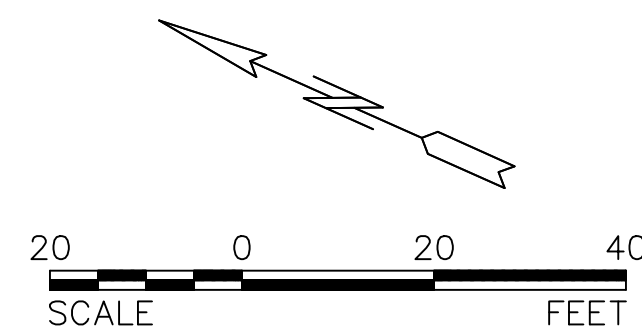
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MATCH LINE STA 5+60, SEE SHEET 6



MATCH LINE STA 10+60, SEE SHEET 8

- LEGEND**
-  LOT WITH PERFORMED MAINTENANCE WORK
  -  REVETMENT MAINTENANCE
  -  PROTECTED BIOM AREA




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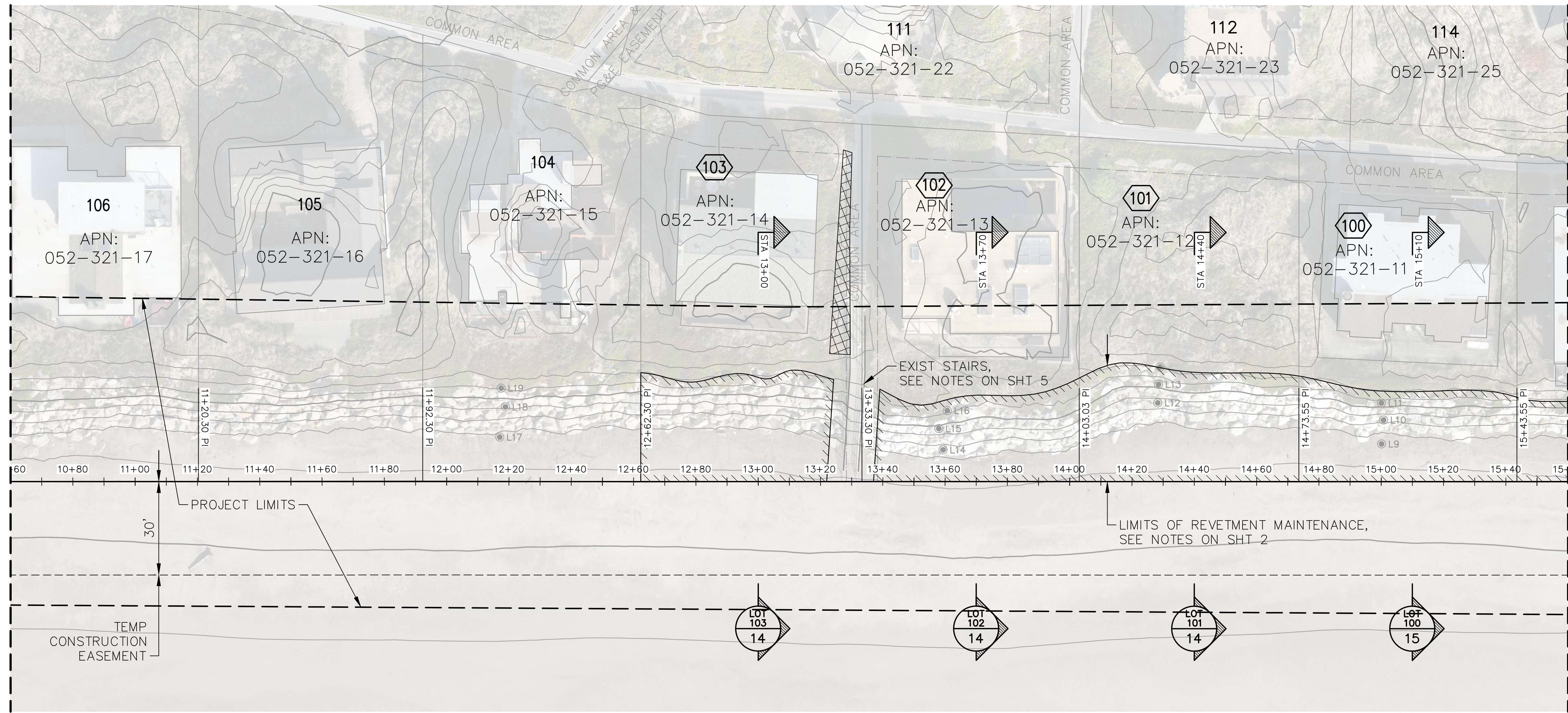
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		DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 0207516-000

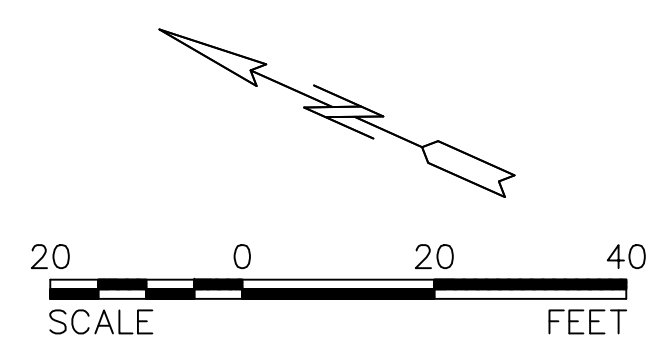
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MATCH LINE STA 10+60, SEE SHEET 7



MATCH LINE STA 15+60, SEE SHEET 9

- LEGEND**
-  LOT WITH PERFORMED MAINTENANCE WORK
  -  REVETMENT MAINTENANCE
  -  PROTECTED BIOM AREA




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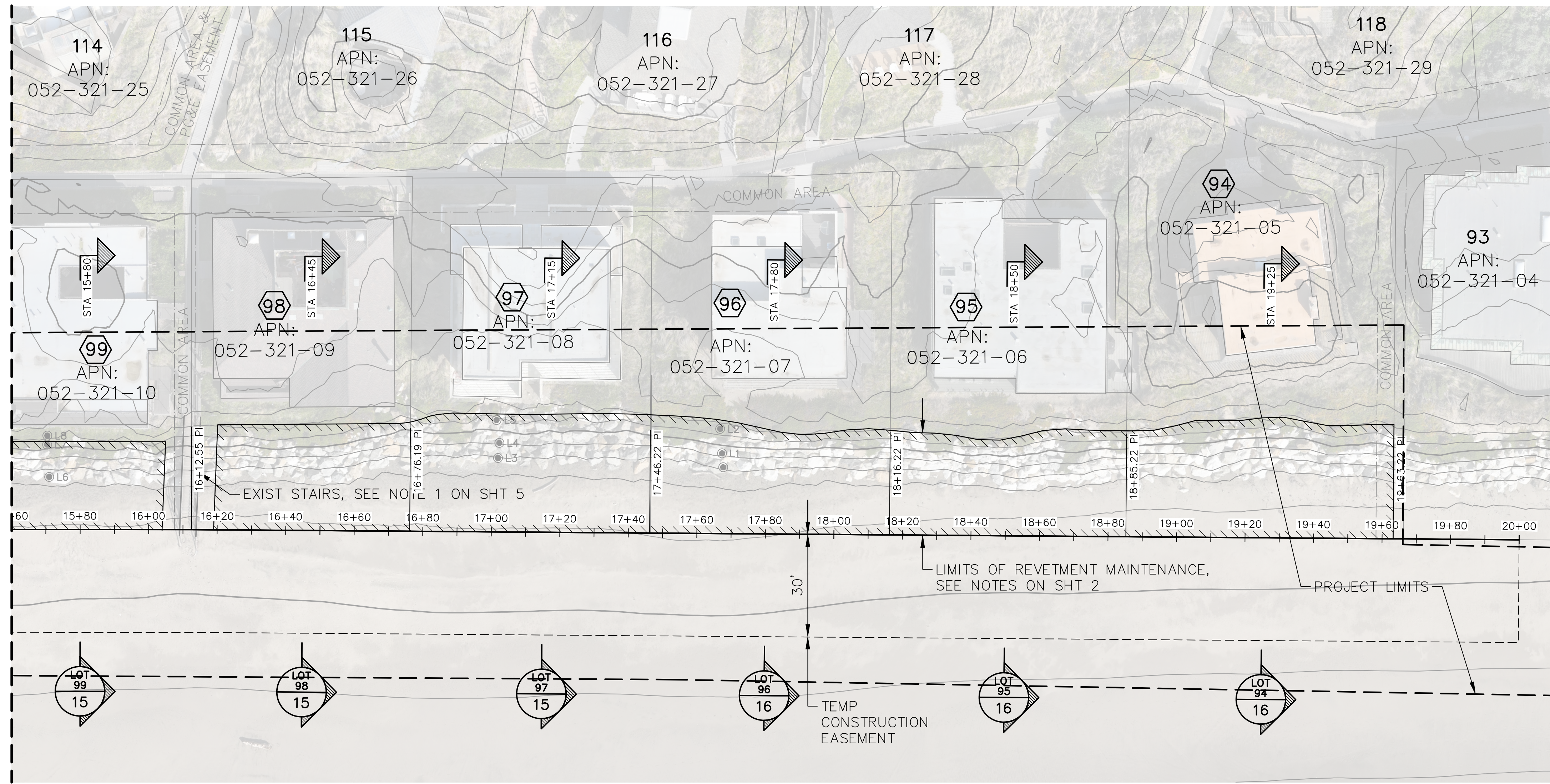
**17 MARCH 2026**






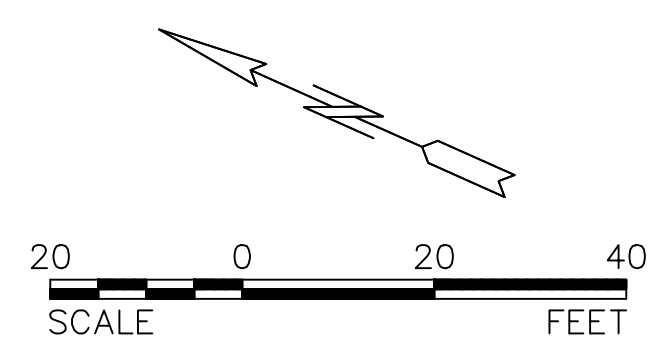
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C. HOCKETT	K. DROZYNSKA	D. PELUSO	0207516-000	MARCH 17, 2026	8 OF 16

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MATCH LINE STA 15+60, SEE SHEET 8




- LEGEND**
-  LOT WITH PERFORMED MAINTENANCE WORK
  -  REVETMENT MAINTENANCE
  -  PROTECTED BIOM AREA

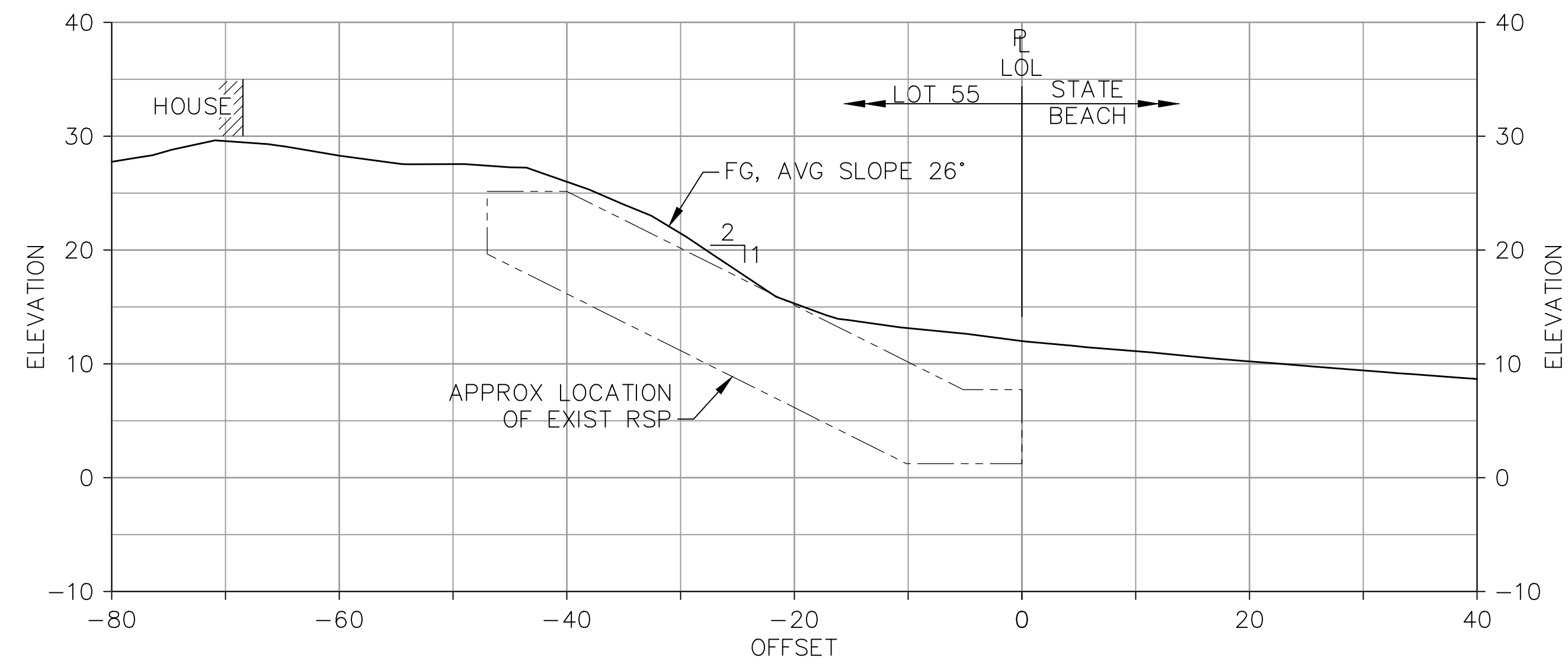


**RECORD DRAWING**  
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**17 MARCH 2026**

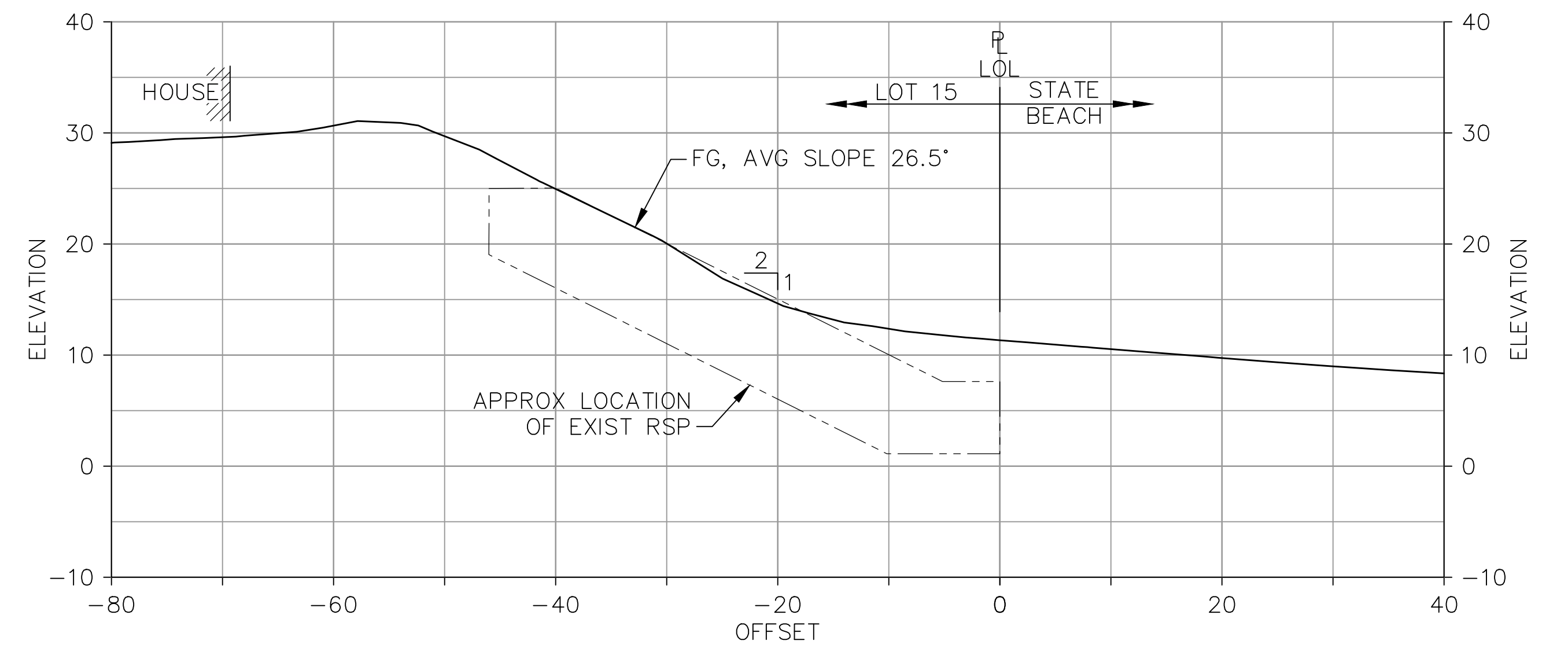


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		DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 0207516-000

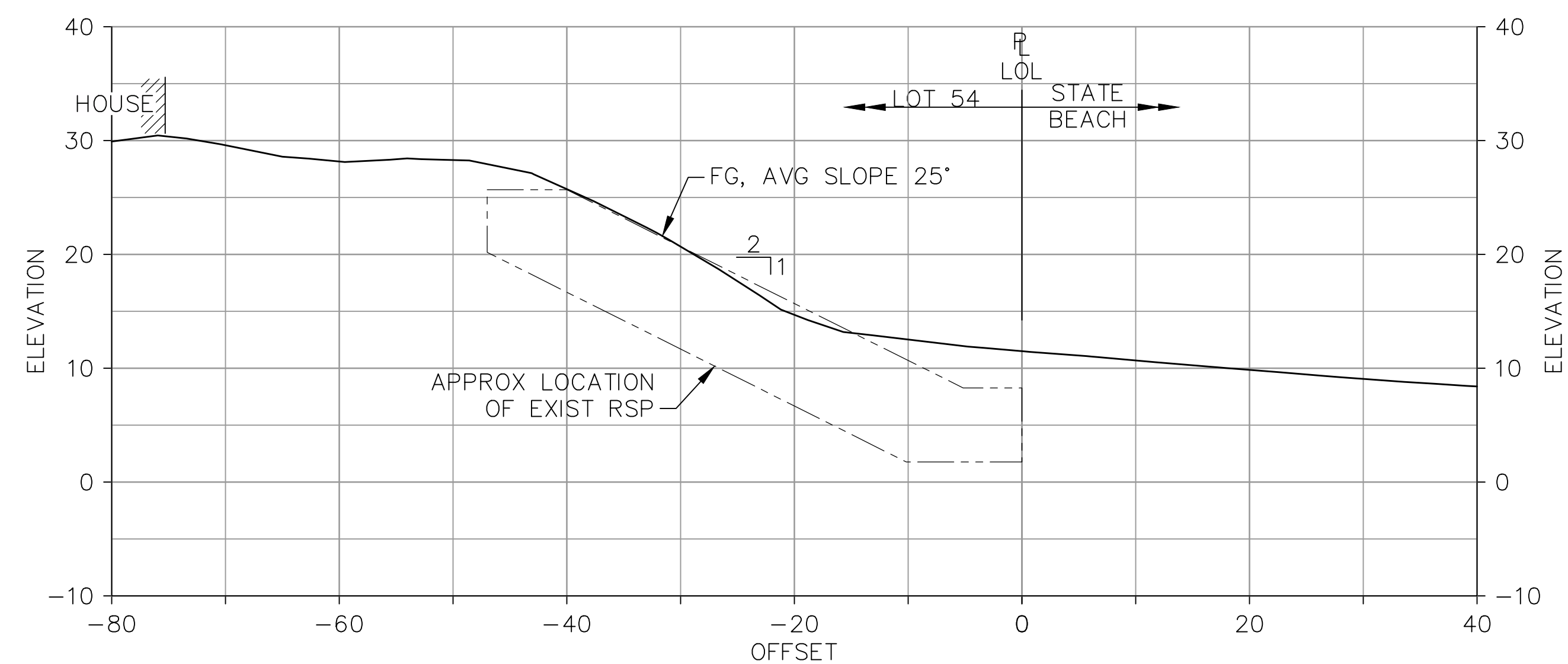
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SECTION LOT 55  
STA -2+65 5



SECTION LOT 15  
STA -1+50 5



SECTION LOT 54  
STA -2+15 5

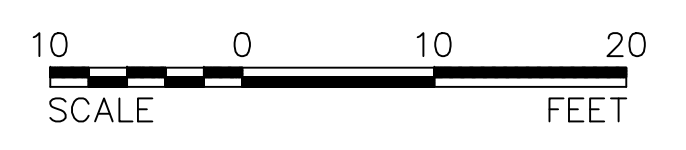
**NOTES**

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2. THERE WILL BE VARIABILITY IN CROSS SECTIONS ACROSS EACH LOT.
3. REVETMENT RESTACKING TO ORIGINAL DESIGN SLOPE GRADIENTS MAY REQUIRE REMOVAL OF EXISTING ROCKS IN THE INCORRECT GRADIENT ZONE AND RESTACKING OF THOSE ROCKS ALONG WITH THE ADDITION OF ROCKS SOURCED FROM OTHER SOURCE AREAS (SEE SHEET 2 FOR SOURCE DETAILS).

**PLACEMENT PRIORITY**

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 3RD: PROPERTIES WITH SLOPES THAT ARE 2.0:1 OR STEEPER
- \* FIELD CONFIRMED; REPRESENTS AVERAGE OF THREE SLOPE MEASUREMENTS TAKEN PER LOT.
- \*\* FROM EMERGENCY-PLACED ROCK ATOP REVETMENT TOE ON PAJARO DUNES LOT.

ROCK REVETMENT PLACEMENT AND SOURCING			
LOT	AS-BUILT SLOPE*	PLACEMENT (TONS)	SOURCING (TONS)**
55	2.0:1	0	34
54	2.1:1	0	74
15	2.0:1	0	50



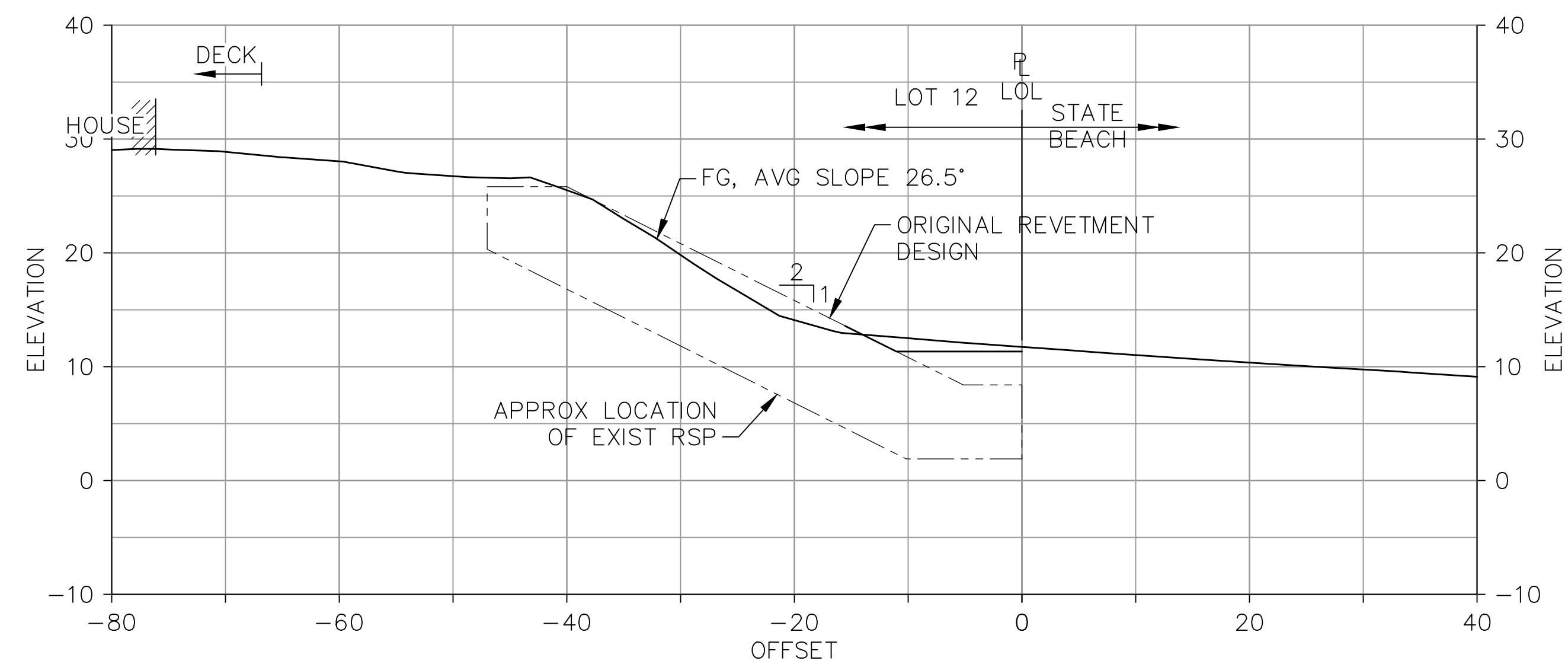
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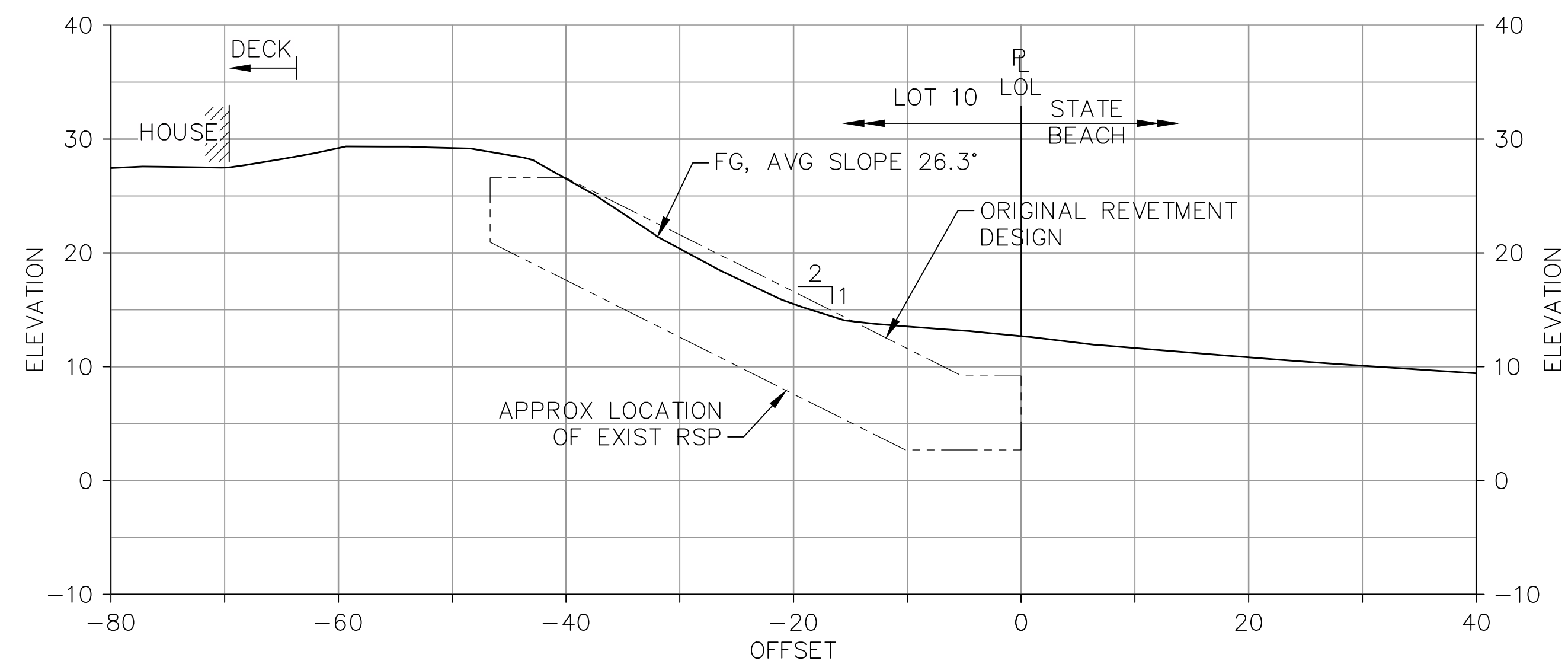
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	ROCK REVETMENT MAINTENANCE PAJARO DUNES SOUTH, WATSONVILLE, CALIFORNIA SECTIONS (1 OF 7)				
DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 0207516-000	DATE MARCH 17, 2026	SHEET NO. OF 10 16

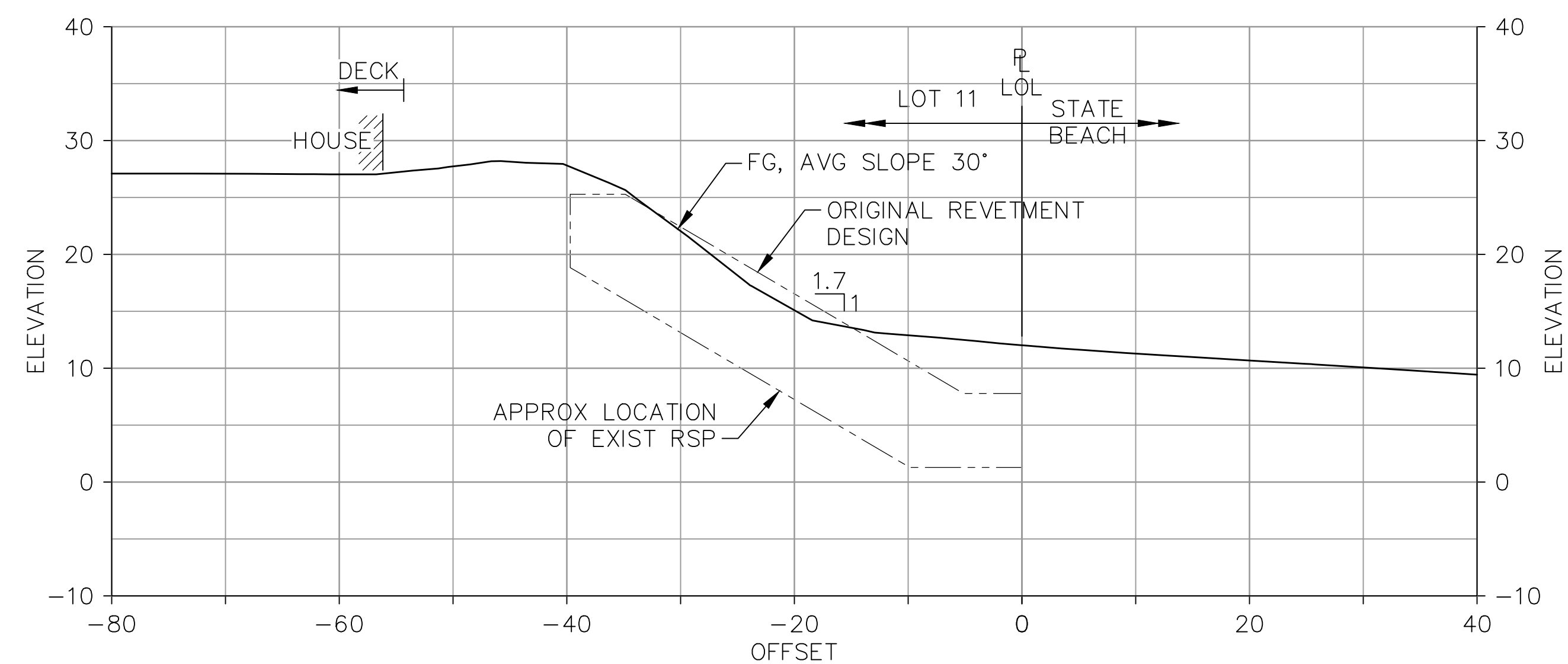
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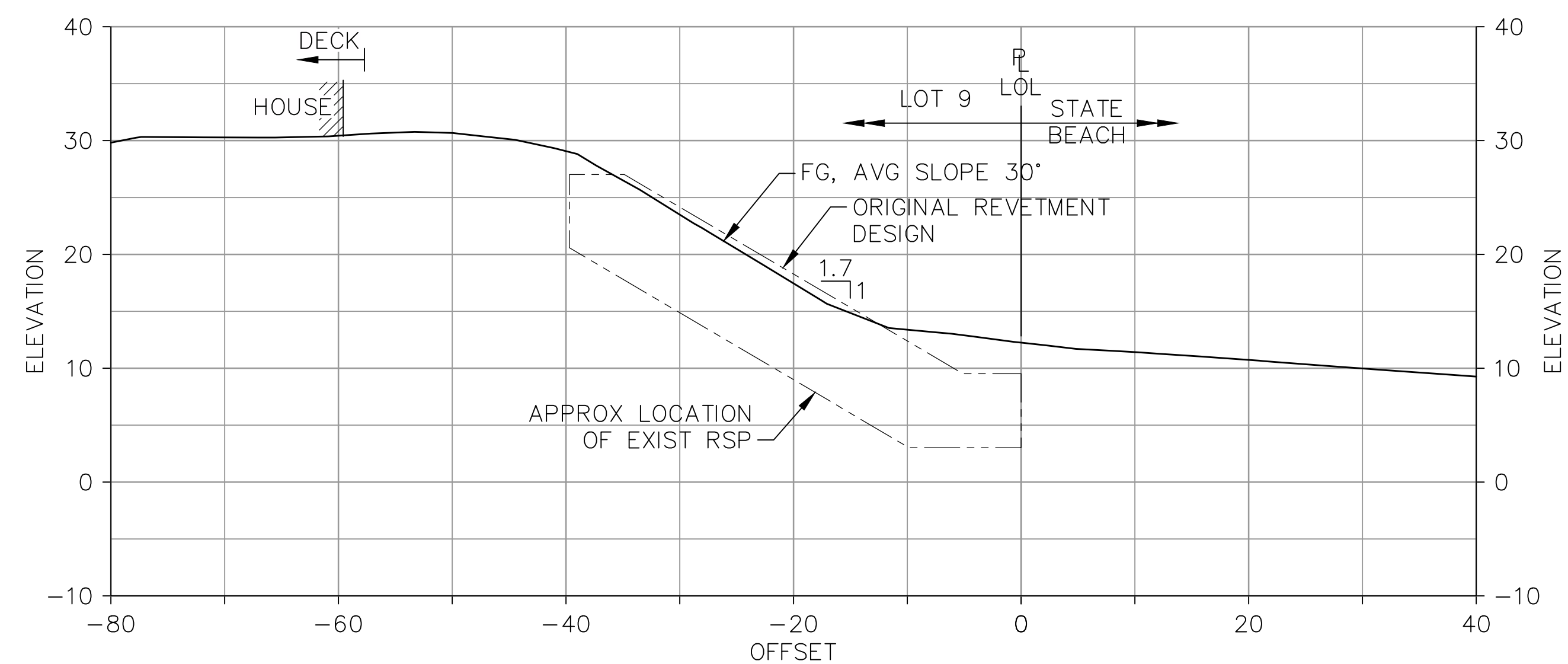
SECTION **LOT 12**  
STA 1+40 **6**



SECTION **LOT 10**  
STA 3+00 **6**



SECTION **LOT 11**  
STA 2+20 **6**



SECTION **LOT 9**  
STA 3+70 **6**

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- \* FIELD CONFIRMED; REPRESENTS AVERAGE OF THREE SLOPE MEASUREMENTS TAKEN PER LOT.

ROCK REVETMENT PLACEMENT AND SOURCING			
LOT	AS-BUILT SLOPE*	PLACEMENT (TONS)	SOURCING (TONS)
12	2.0:1	103	112
11	1.7:1	124	109
10	2.0:1	229	73
9	1.7:1	98	78



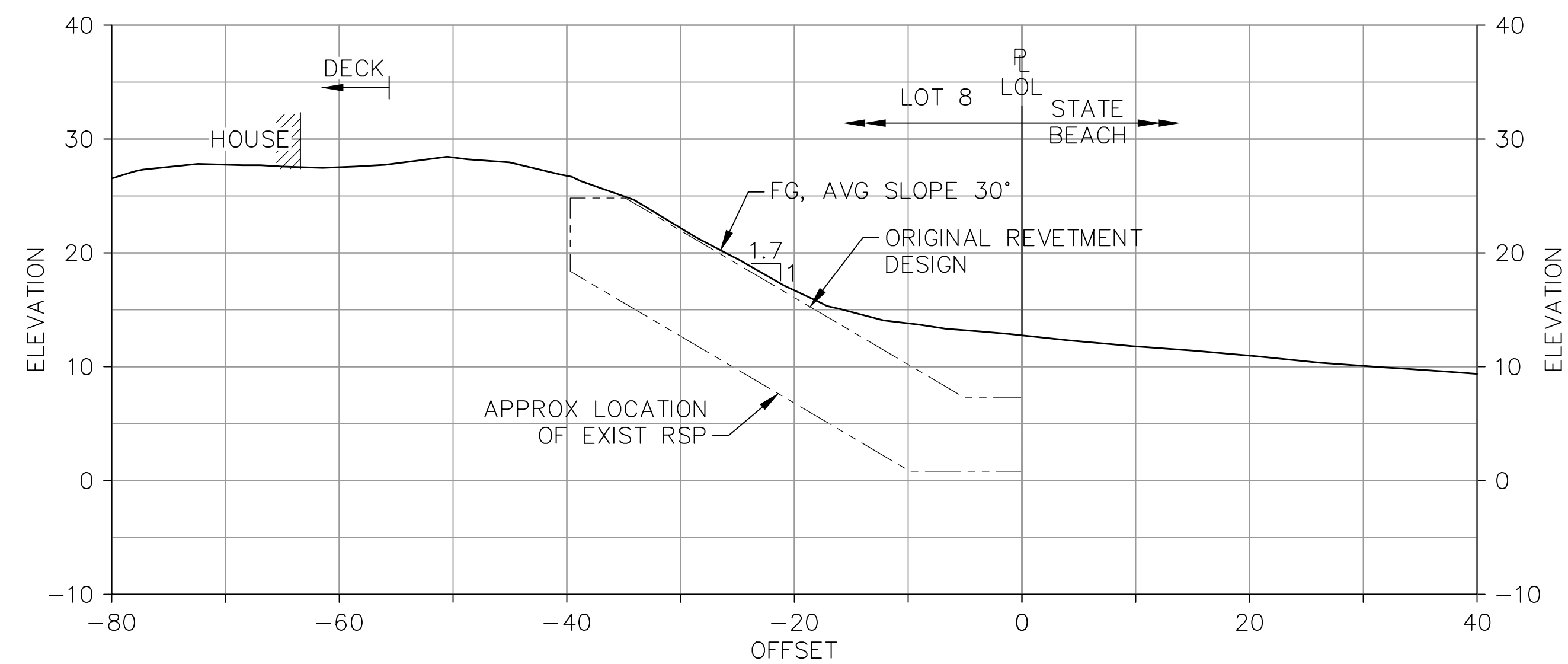
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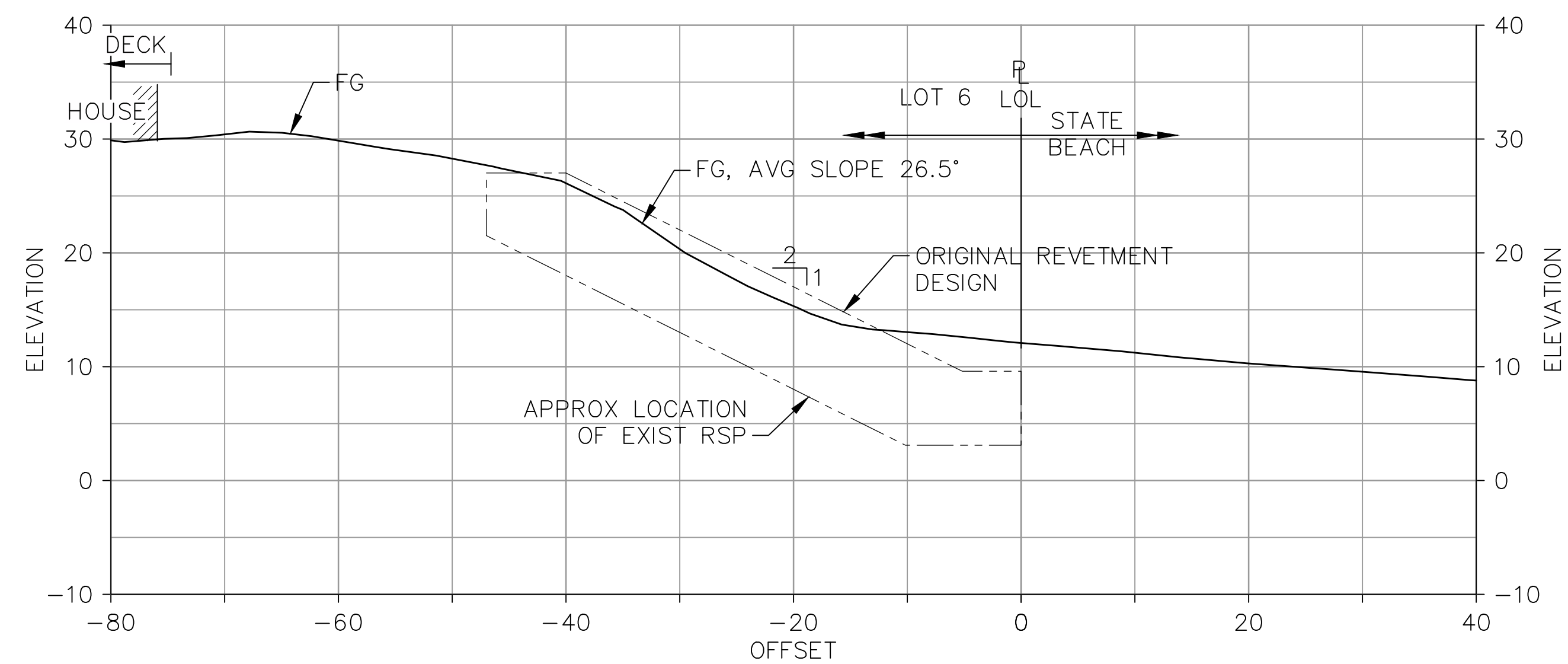
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	DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 0207516-000	DATE MARCH 17, 2026

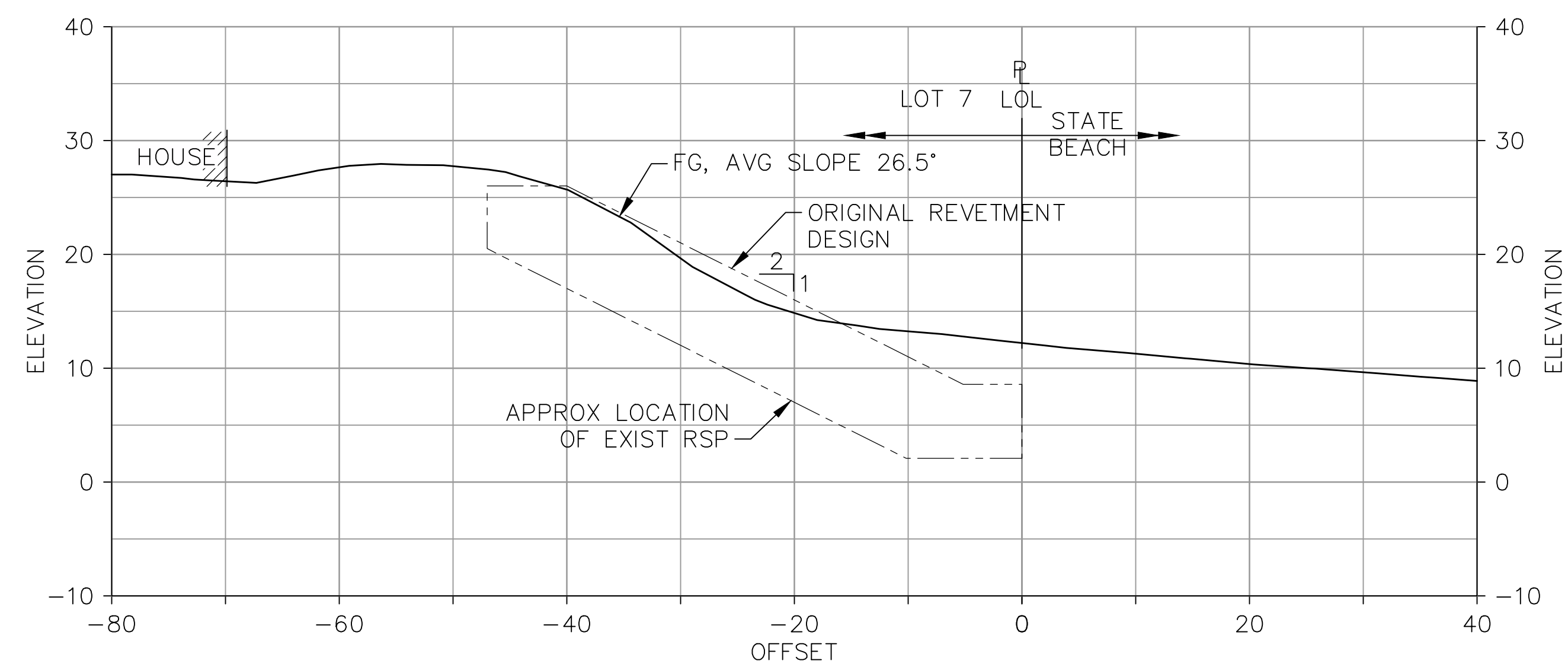
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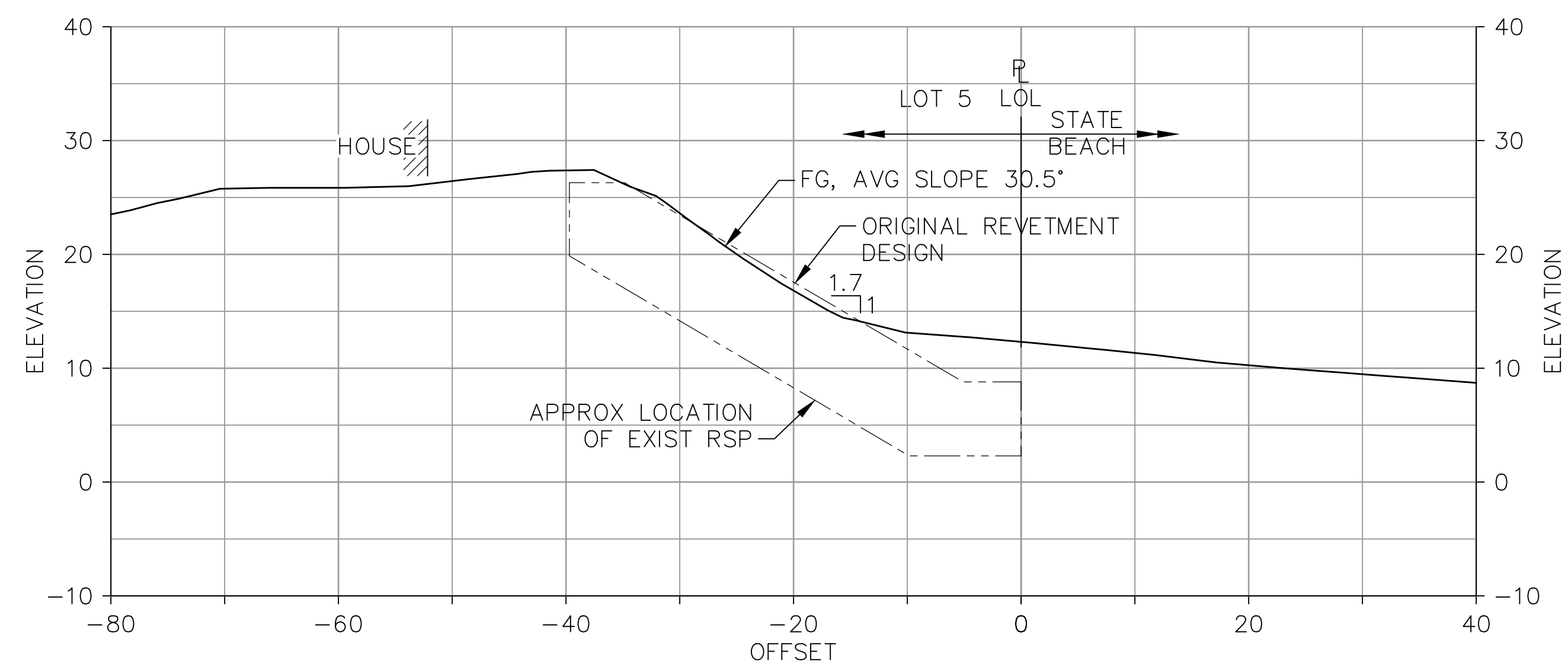
SECTION **LOT 8**  
STA 4+30 **6**



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



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



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

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- \* FIELD CONFIRMED; REPRESENTS AVERAGE OF THREE SLOPE MEASUREMENTS TAKEN PER LOT.

ROCK REVETMENT PLACEMENT AND SOURCING			
LOT	AS-BUILT SLOPE*	PLACEMENT (TONS)	SOURCING (TONS)
8	1.7:1	99	95
7	2.0:1	109	79
6	2.0:1	283	89
5	1.7:1	116	61



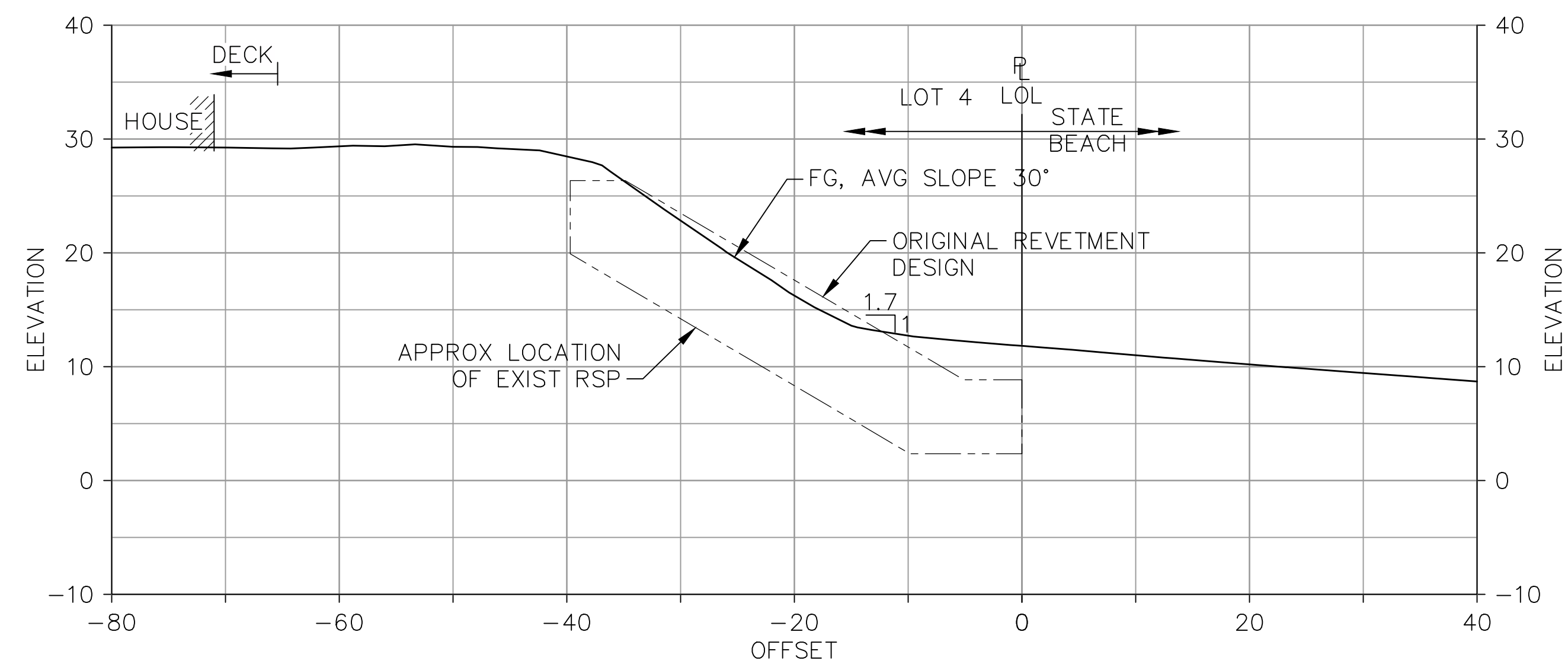
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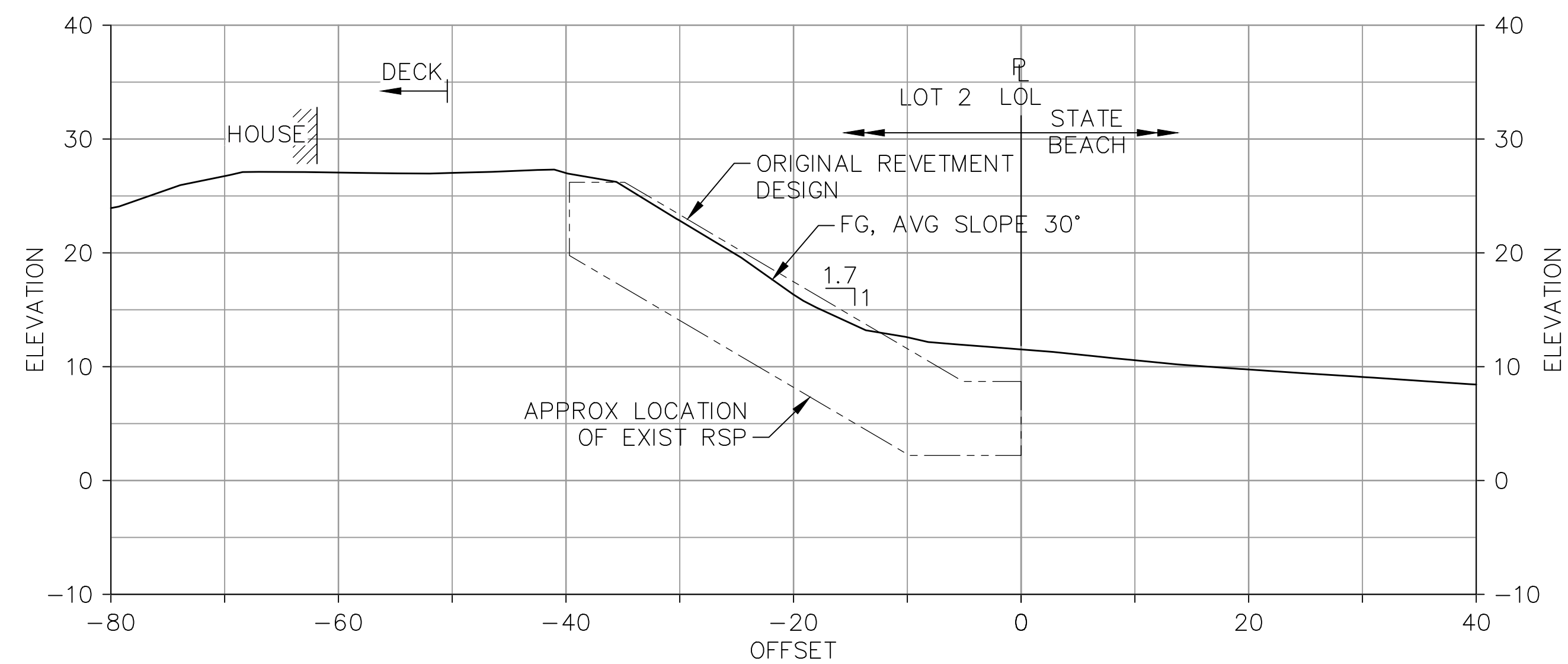
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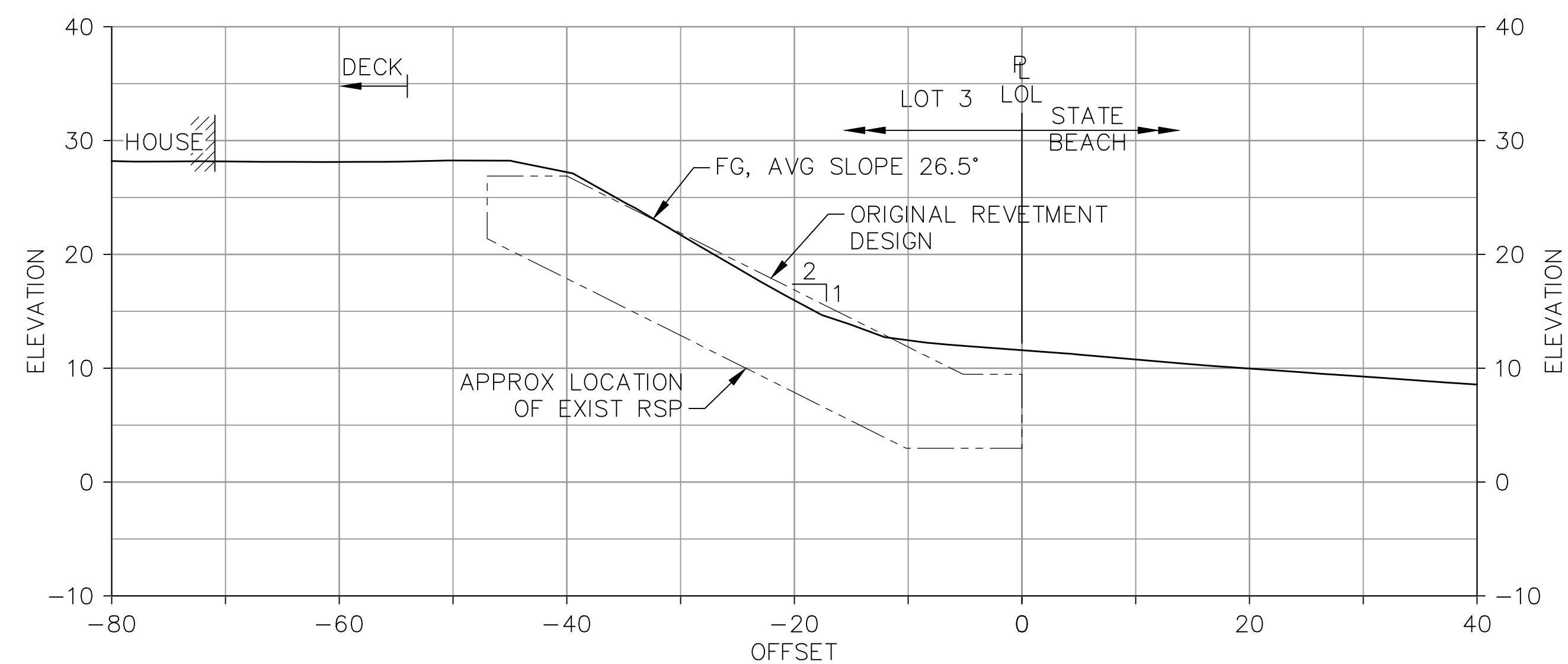
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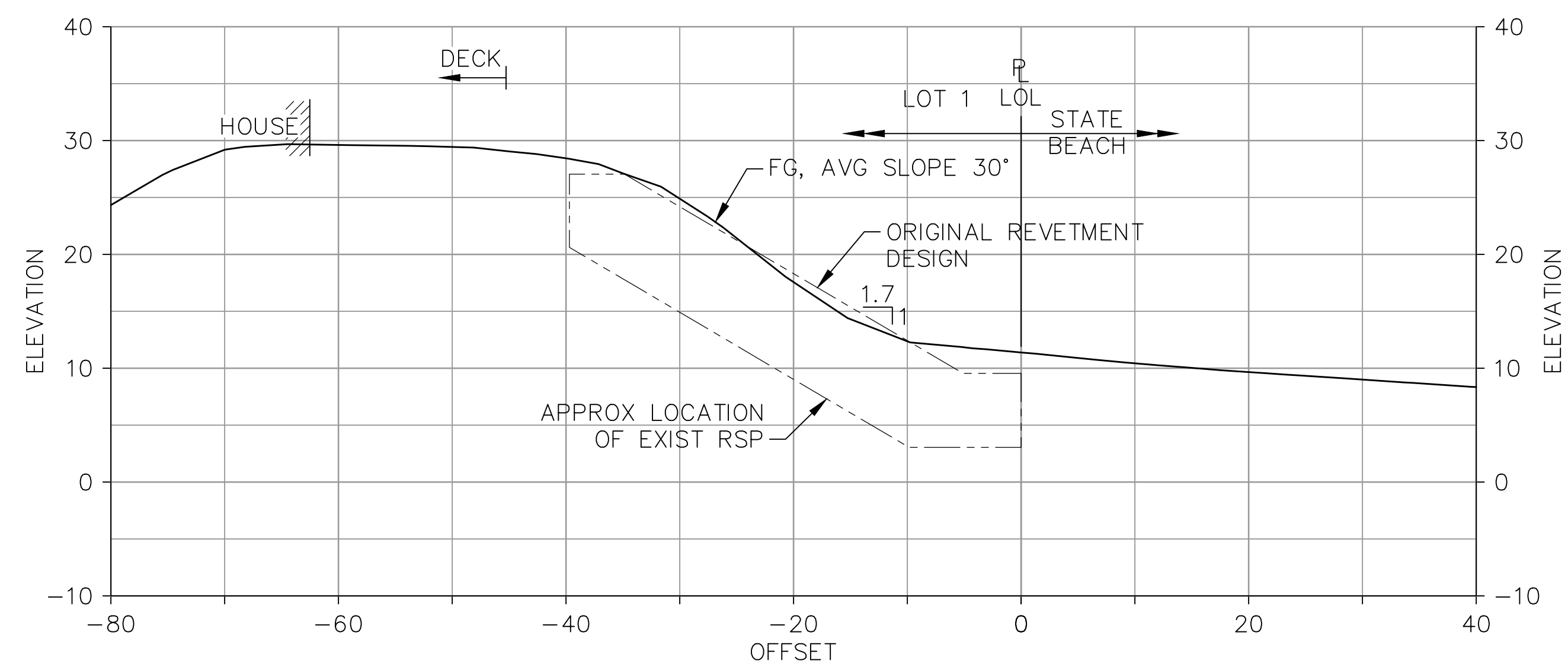
SECTION **LOT 4**  
STA 7+30 **7**



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



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



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

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ROCK REVETMENT PLACEMENT AND SOURCING			
LOT	AS-BUILT SLOPE*	PLACEMENT (TONS)	SOURCING (TONS)
4	1.7:1	152	44
3	2.0:1	114	85
2	1.7:1	101	89
1	1.7:1	95	129



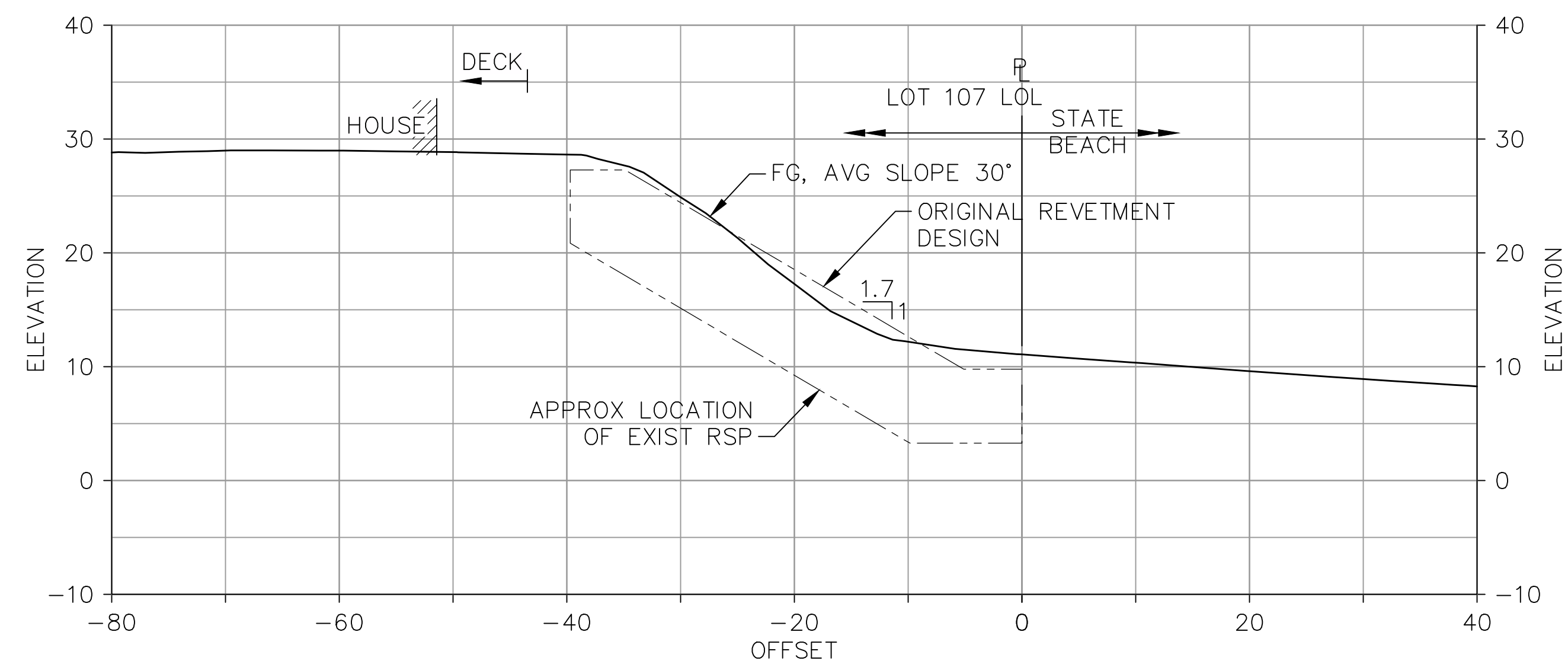
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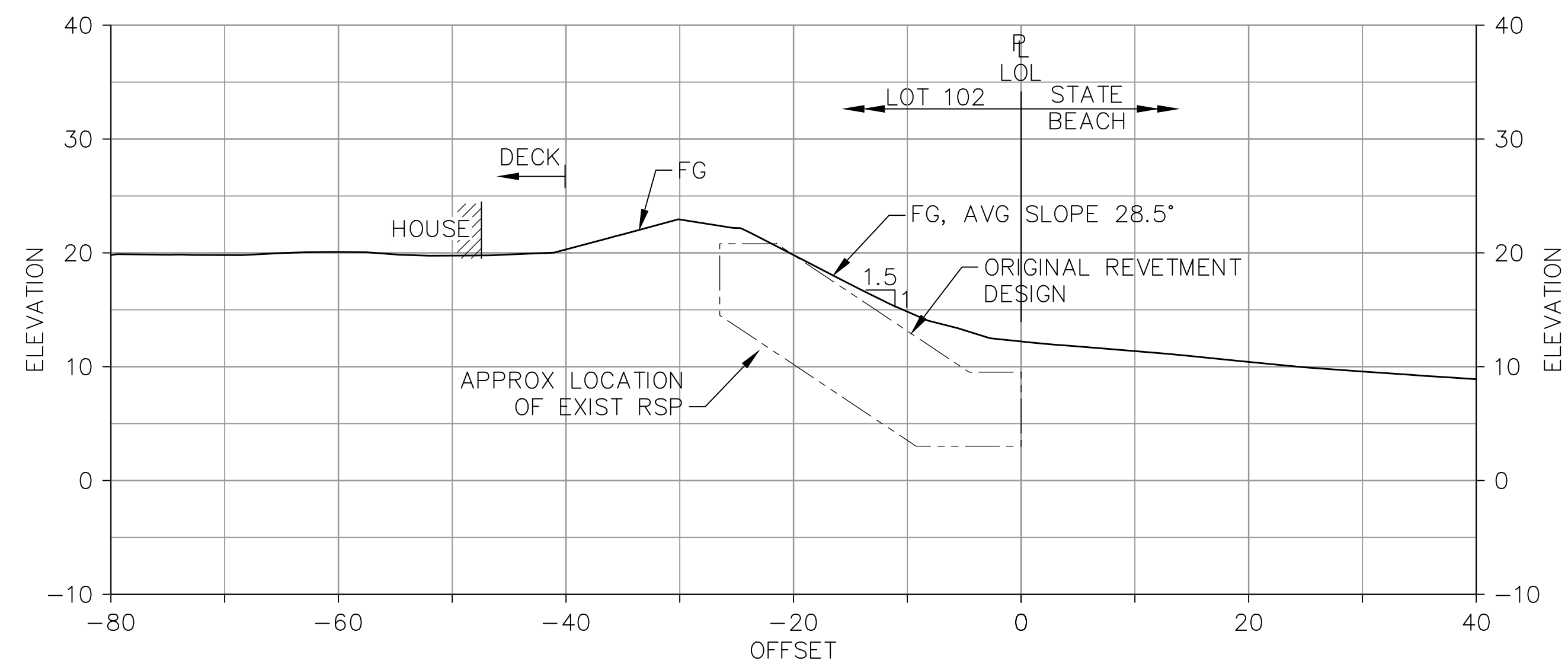
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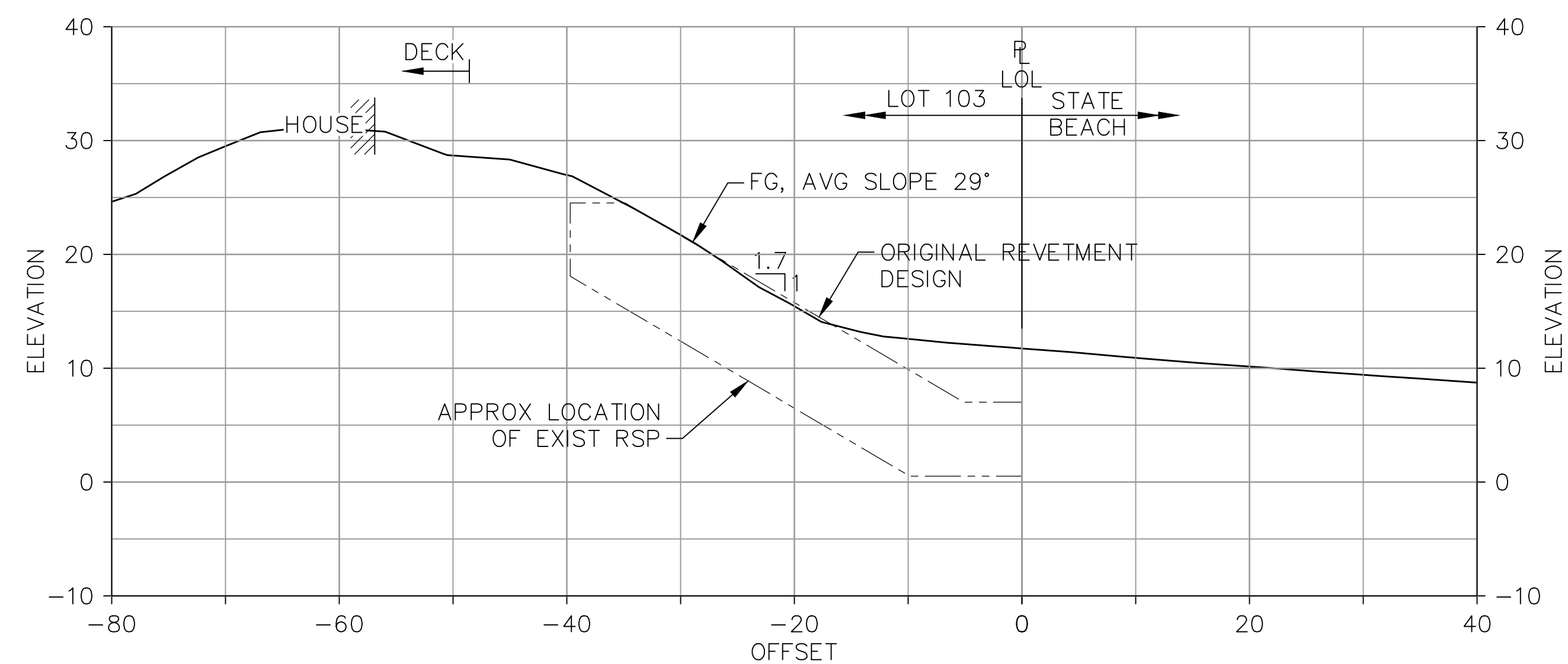
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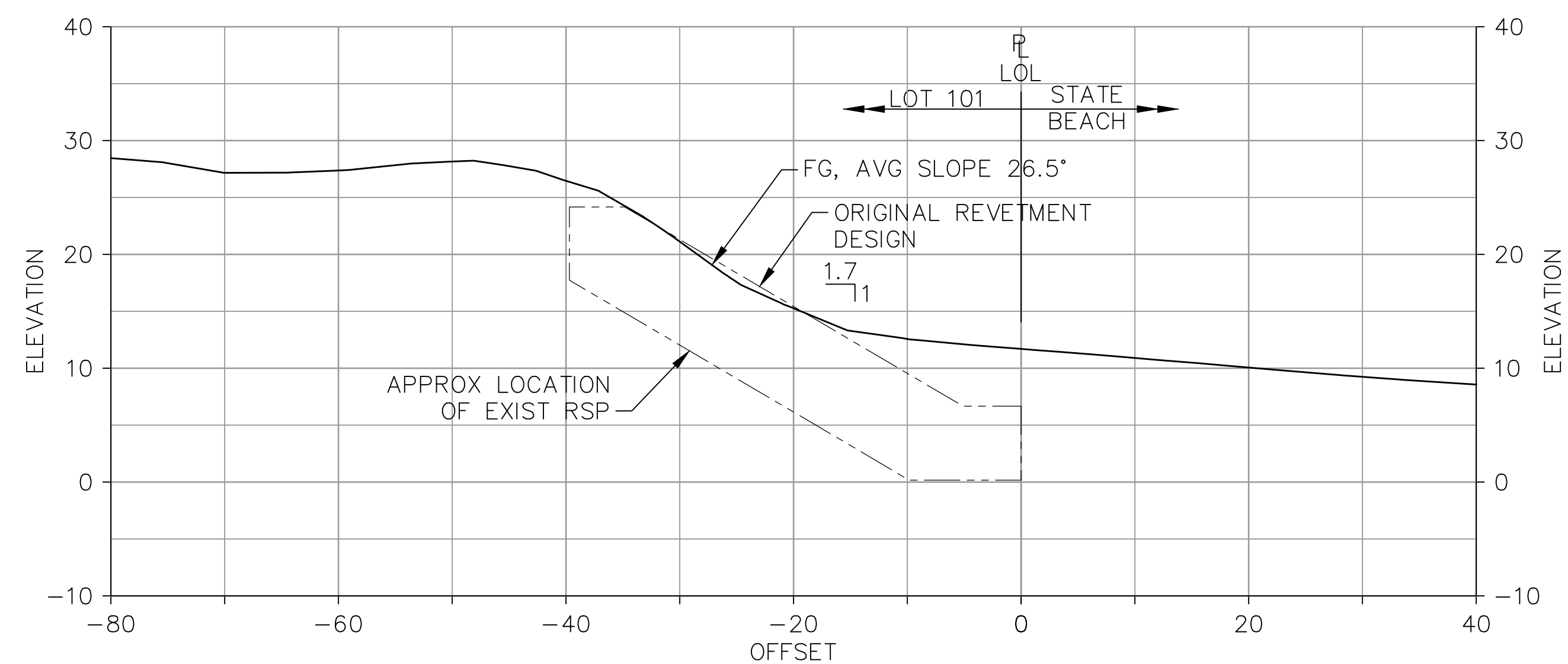
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STA 10+20 **7**



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



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



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

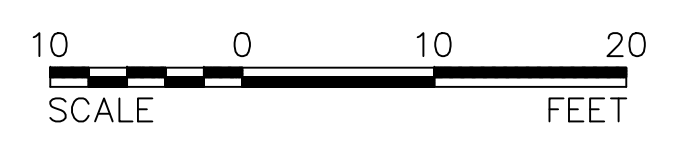
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ROCK REVETMENT PLACEMENT AND SOURCING			
LOT	AS-BUILT SLOPE*	PLACEMENT (TONS)	SOURCING (TONS)
107	1.7:1	86	96
103	1.8:1	39	78
102	1.8:1	57	57
101	2.0:1	68	68



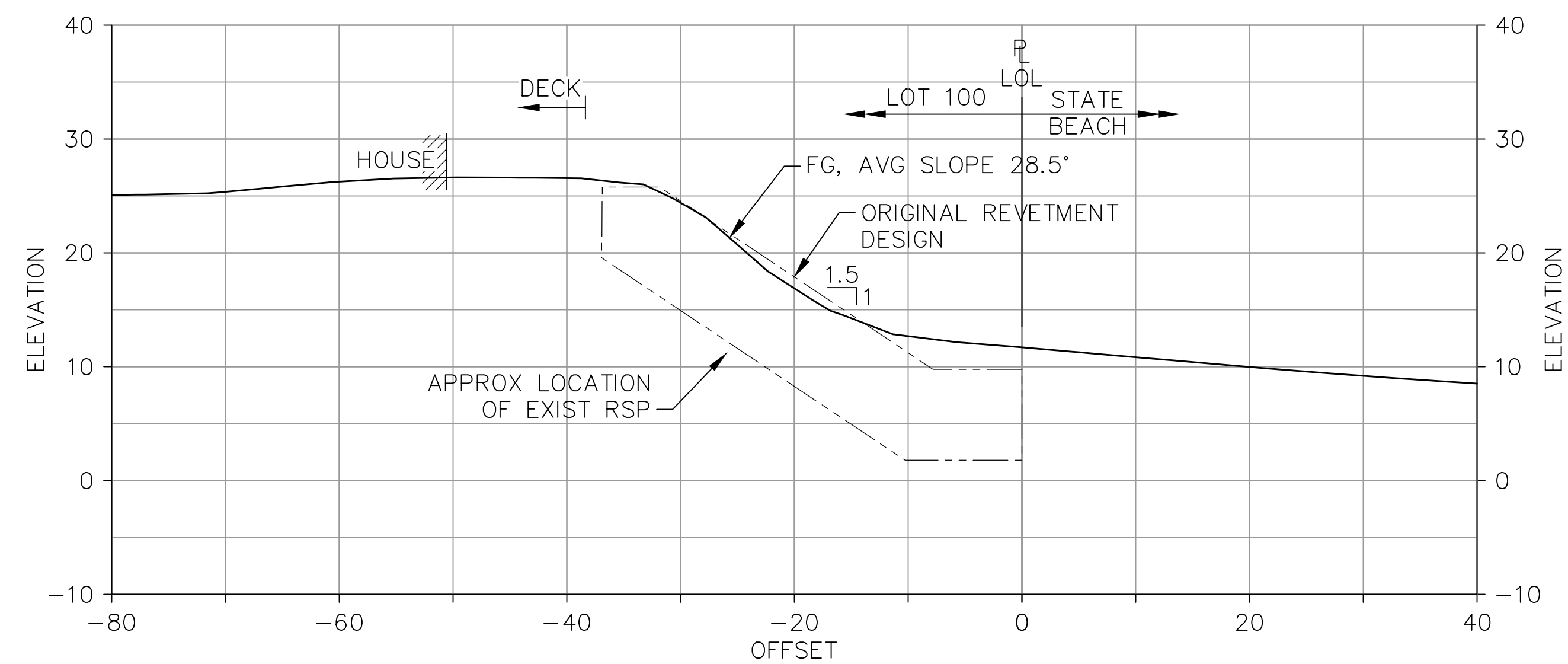
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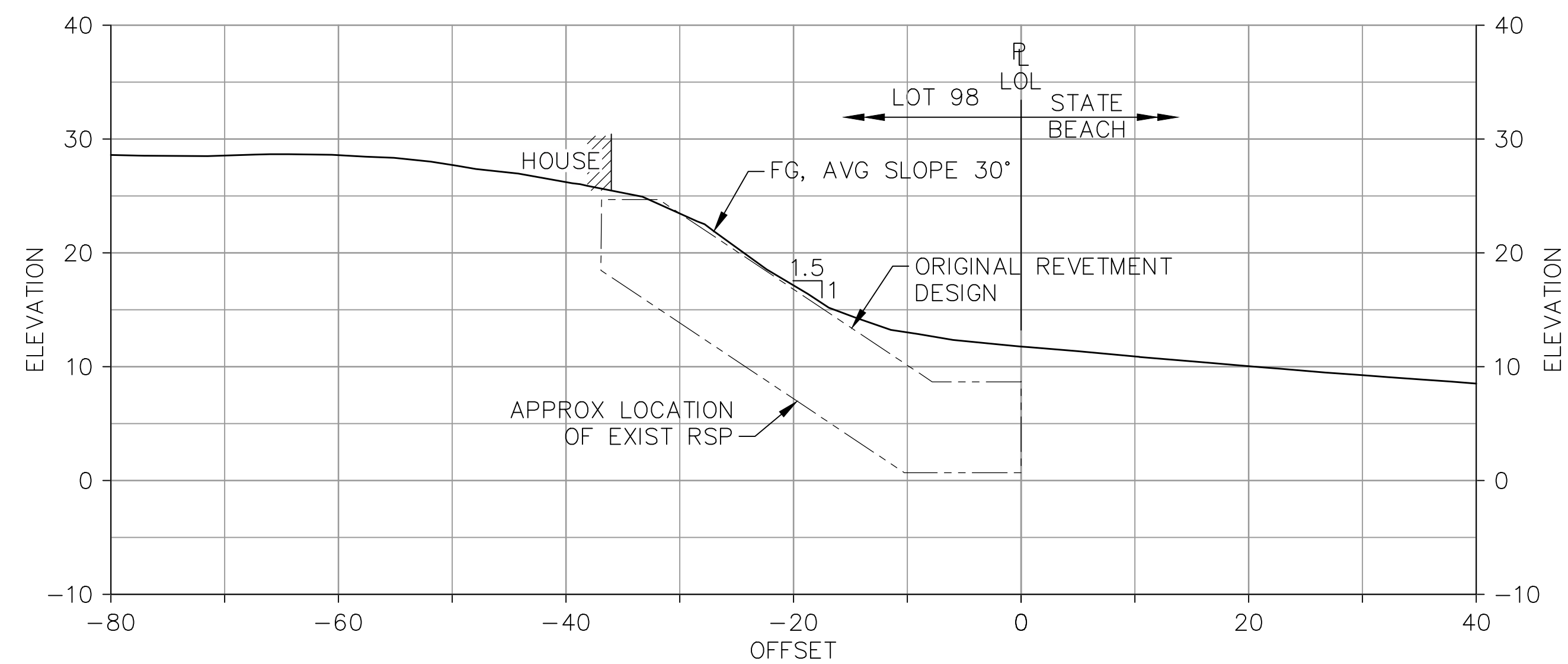
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	DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 0207516-000

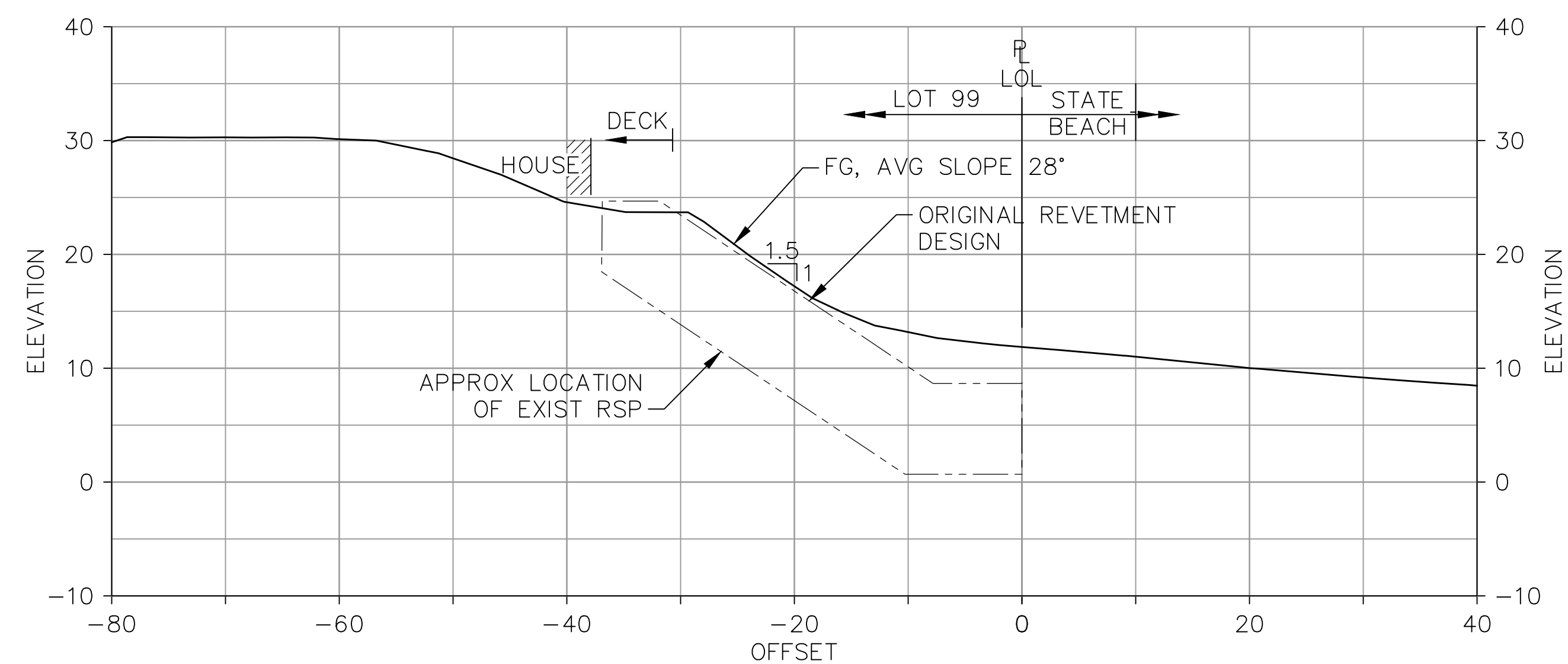
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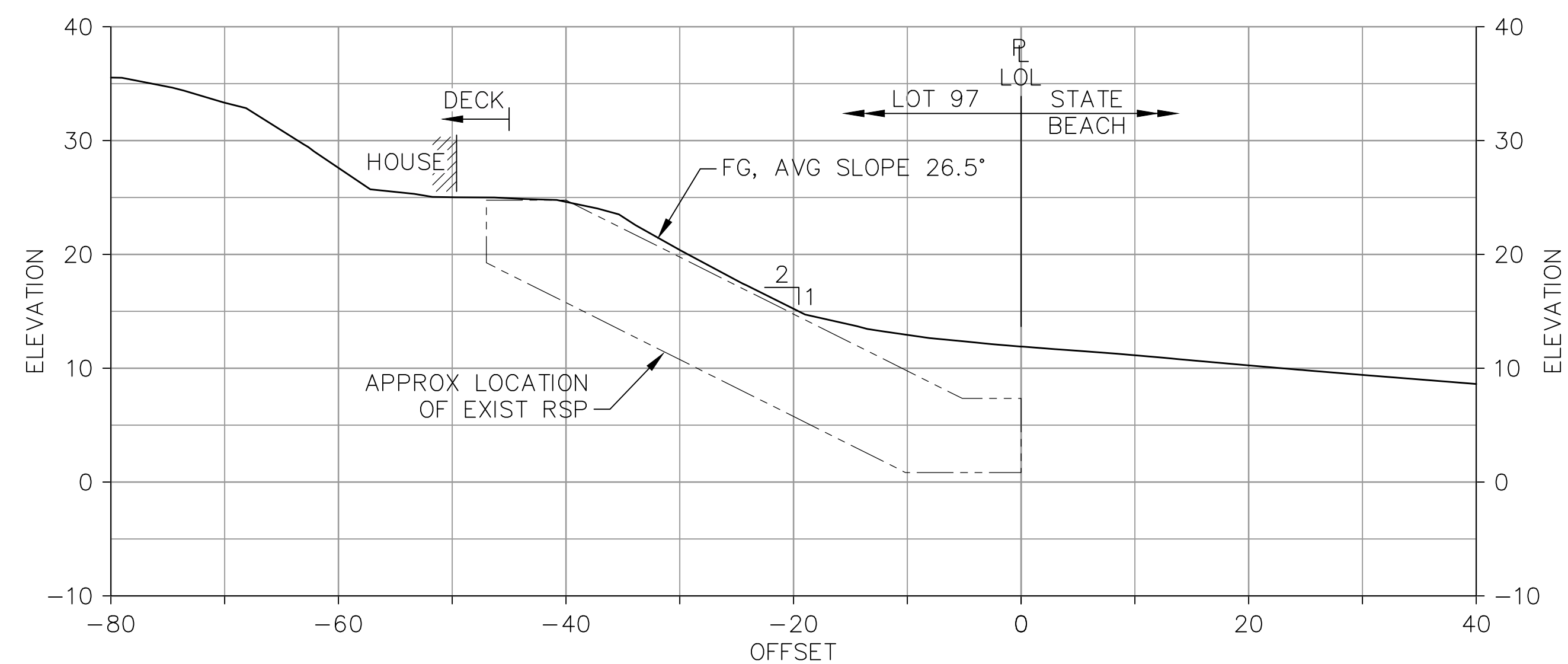
SECTION **LOT 100**  
STA 15+10 **8**



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



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



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

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- AS-BUILT ELEVATIONS FOR THE TOP OF THE REVETMENT WERE MAINTAINED WITHIN A VERTICAL TOLERANCE OF 24 INCHES OF THE ORIGINAL SLOPE LINE ACROSS ALL TREATED LOTS.
- THERE WILL BE VARIABILITY IN CROSS SECTIONS ACROSS EACH LOT.
- REVETMENT RESTACKING TO ORIGINAL DESIGN SLOPE GRADIENTS MAY REQUIRE REMOVAL OF EXISTING ROCKS IN THE INCORRECT GRADIENT ZONE AND RESTACKING OF THOSE ROCKS ALONG WITH THE ADDITION OF ROCKS SOURCED FROM OTHER SOURCE AREAS (SEE SHEET 2 FOR SOURCE DETAILS).

**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
- \* FIELD CONFIRMED; REPRESENTS AVERAGE OF THREE SLOPE MEASUREMENTS TAKEN PER LOT.

ROCK REVETMENT PLACEMENT AND SOURCING			
LOT	AS-BUILT SLOPE*	PLACEMENT (TONS)	SOURCING (TONS)
100	1.8:1	54	54
99	1.9:1	73	41
98	1.7:1	73	73
97	2.0:1	45	45

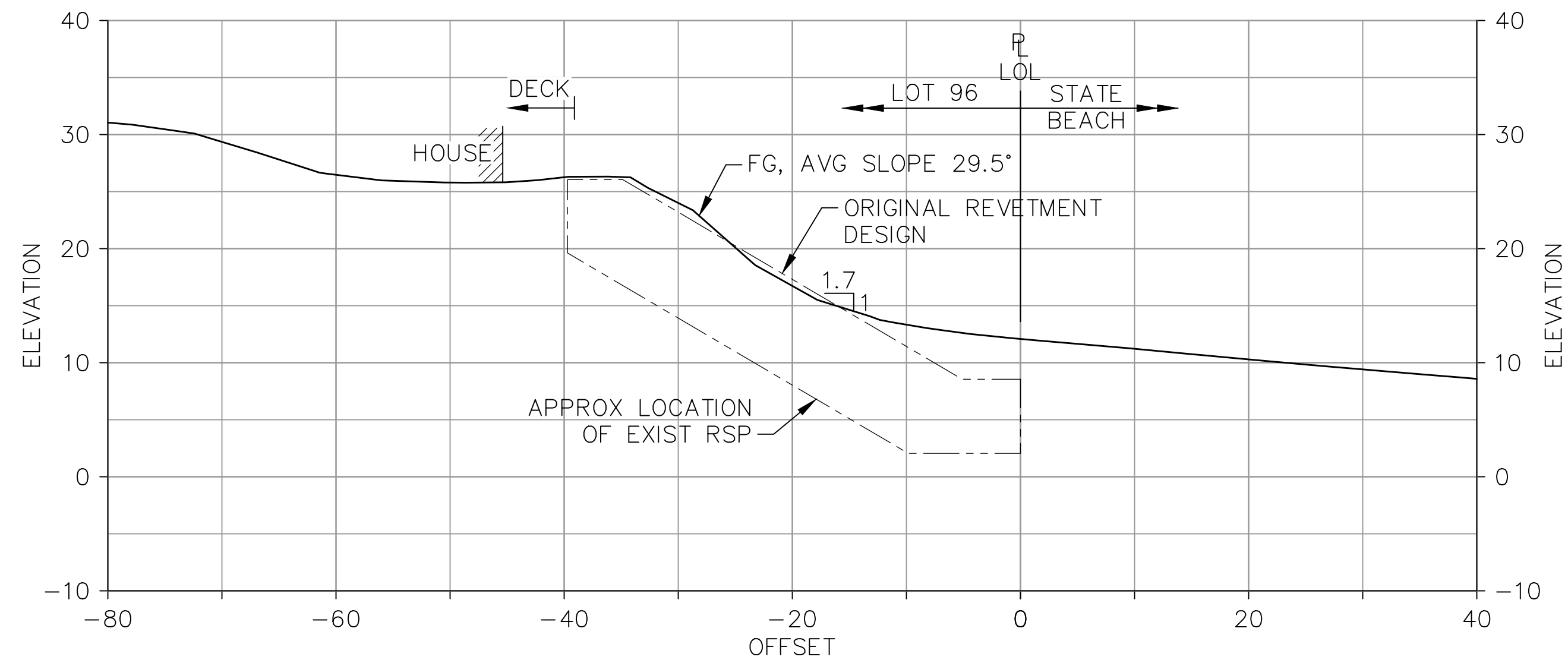


**RECORD DRAWING**

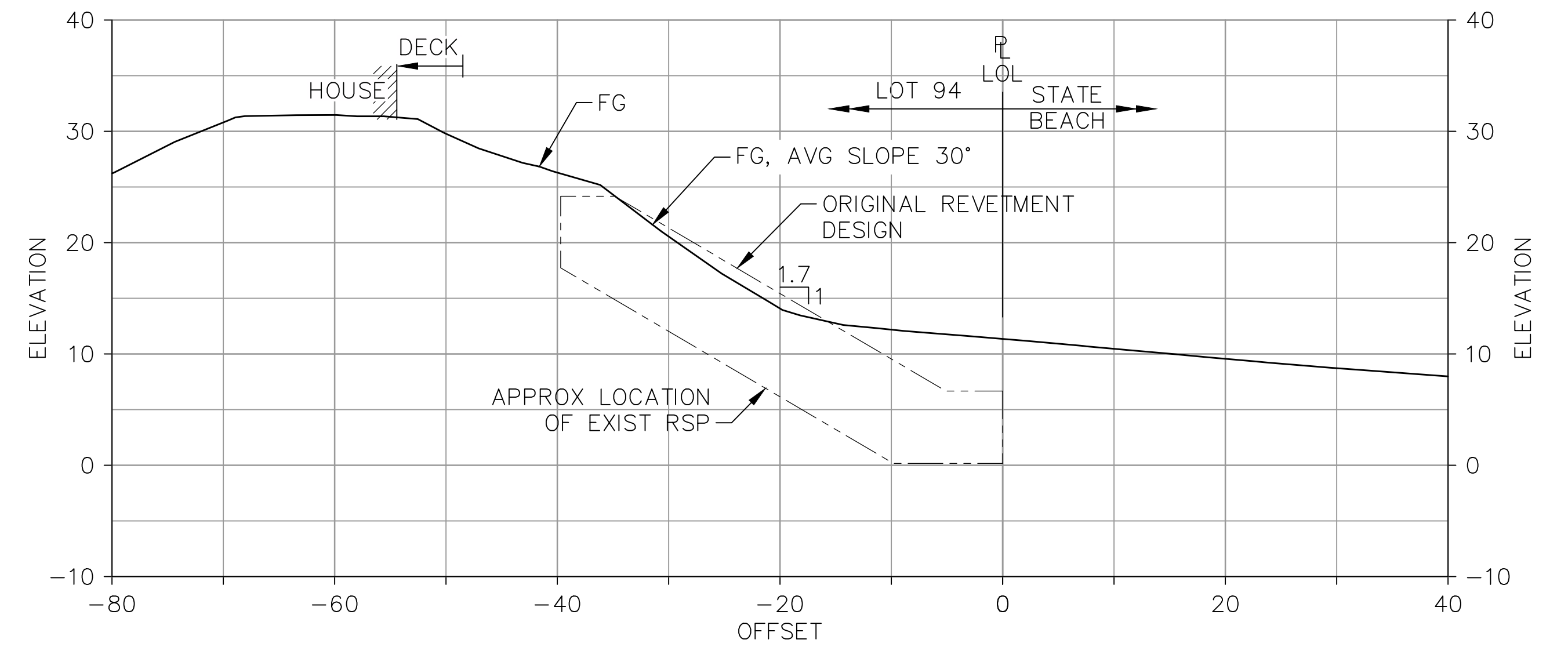
THIS RECORD DRAWING WAS PREPARED BASED ON FIELD OBSERVATIONS DURING CONSTRUCTION AND NON-SURVEY MEASUREMENT METHODS. THE FINISHED GRADES REFLECT SURFACE DEVELOPED USING LIDAR AND ORTHOIMAGERY DATA COLLECTED WITH UAS.

**17 MARCH 2026**

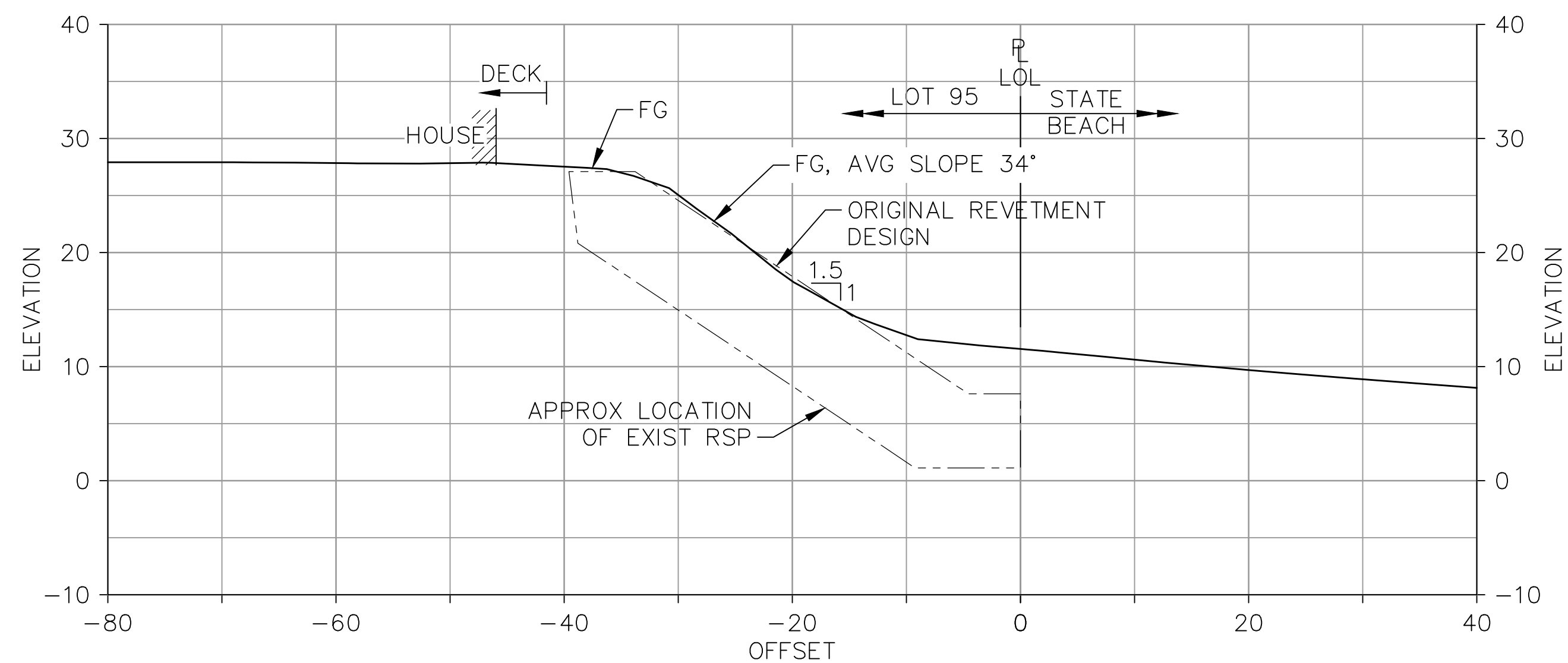
	HALEY & ALDRICH, INC. 201 N. Civic Drive, Suite 220 Walnut Creek, CA 94596-3880 Tel: 925.949.1012 www.haleyaldrich.com		<b>PAJARO DUNES GHAD</b> ROCK REVETMENT MAINTENANCE PAJARO DUNES SOUTH, WATSONVILLE, CALIFORNIA SECTIONS (6 OF 7)		
	DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 0207516-000	DATE MARCH 17, 2026



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



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



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

**NOTES**

- AS-BUILT ELEVATIONS FOR THE TOP OF THE REVETMENT WERE MAINTAINED WITHIN A VERTICAL TOLERANCE OF 24 INCHES OF THE ORIGINAL SLOPE LINE ACROSS ALL TREATED LOTS.
- THERE WILL BE VARIABILITY IN CROSS SECTIONS ACROSS EACH LOT.
- REVTMENT RESTACKING TO ORIGINAL DESIGN SLOPE GRADIENTS MAY REQUIRE REMOVAL OF EXISTING ROCKS IN THE INCORRECT GRADIENT ZONE AND RESTACKING OF THOSE ROCKS ALONG WITH THE ADDITION OF ROCKS SOURCED FROM OTHER SOURCE AREAS (SEE SHEET 2 FOR SOURCE DETAILS).

**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

\* FIELD CONFIRMED; REPRESENTS AVERAGE OF THREE SLOPE MEASUREMENTS TAKEN PER LOT.

**ROCK REVETMENT PLACEMENT AND SOURCING**

LOT	AS-BUILT SLOPE*	PLACEMENT (TONS)	SOURCING (TONS)
96	1.8:1	71	115
95	1.5:1	114	46
94	1.7:1	63	75



**RECORD DRAWING**

THIS RECORD DRAWING WAS PREPARED BASED ON FIELD OBSERVATIONS DURING CONSTRUCTION AND NON-SURVEY MEASUREMENT METHODS. THE FINISHED GRADES REFLECT SURFACE DEVELOPED USING LIDAR AND ORTHOIMAGERY DATA COLLECTED WITH UAS.

**17 MARCH 2026**



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**PAJARO DUNES GHAD**

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

DESIGNED C. HOCKETT	DRAWN K. DROZYNSKA	CHECKED D. PELUSO	PROJECT NO. 0207516-000	DATE MARCH 17, 2026	SHEET NO. OF 16 OF 16
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