



5386 Calumet Avenue La Jolla Bluff Stabilization

**Single Family Residence was
constructed in 1962**



1953 Aerial Photo

During World War II Sun Gold Point was the location of a coastal defense military base.

Sometime after this photo was taken in 1953, the base was dismantled, and some of the debris was discarded into notches in the coastal bluff.



Photo from
San Diego
History
Center

2002/001.3 La Jolla-Bird Rock, Anti-Aircraft School During World War II (Navy) 1942-1945

5386



**Photo Date:
May 2017**

Gunite that was placed over the bluff face in the 1970's has broken, exposing the WWII rubble fill. Note the rusted gun mount.

05/17/2017

5386



Photo Date:
May 2020

*Note that remaining
gunite over bluff
face is now gone*

5386



**Photo Date:
February
2021**

*Erosion under patio
is now visible from
the beach. More
rubble has spilled
out onto the beach.*

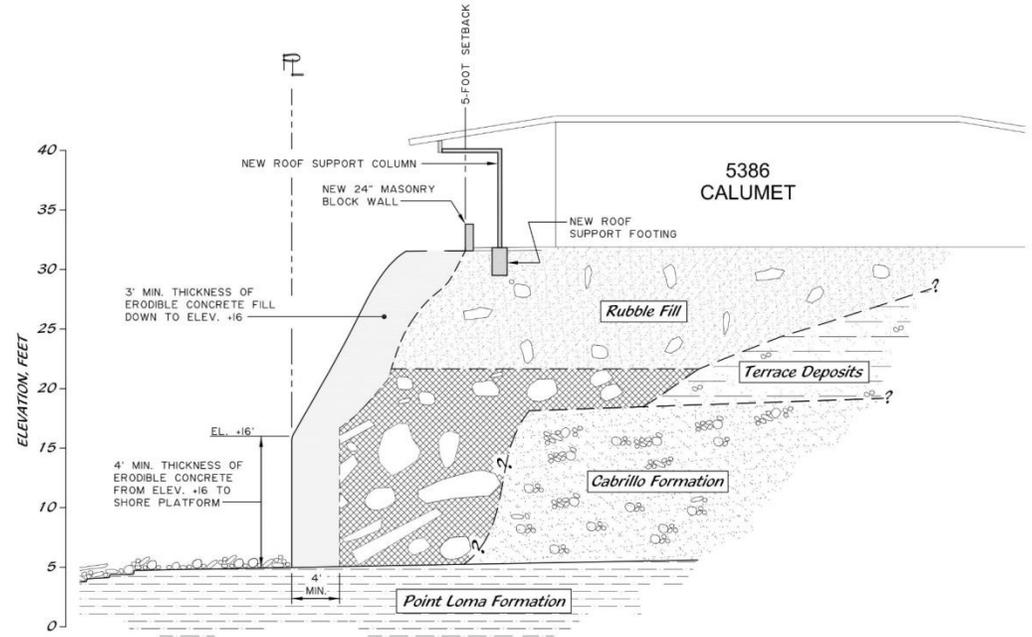


DRONE PHOTO - EXISTING CONDITION



PROPOSED REPAIR

RUBBLE TO BE REMOVED TO THE EXTENT POSSIBLE TO APPLY ERODIBLE CONCRETE TO BLUFF SURFACE

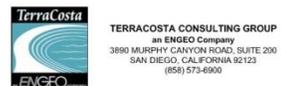


PROPOSED REPAIR CROSS SECTION

SCALE: 1"=5' (H:V)



ESTIMATED QUANTITY OF ERODIBLE CONCRETE FILL: 150 C.Y.



PRIVATE CONTRACT		DEVELOPMENT PERMIT PLANS FOR	
		BLUFF STABILIZATION 5386 CALUMET AVENUE	
SHEET TITLE:		PROPOSED GRADING PLAN	
CITY OF SAN DIEGO, CALIFORNIA DEVELOPMENT SERVICES DEPARTMENT		PROJECT NO. 696586	
SHEET 6 OF 7 SHEETS		1875-6249 IND BY COMMENTS	
		235-1688 LAMBERT COORDINATES	
REV	DESCRIPTION	DATE	
Δ	CHANGES PER COMPLETENESS REVIEW	8/23/21	
Δ	CHANGES PER CITY COMMENTS LETTER	06/1/22	

C05

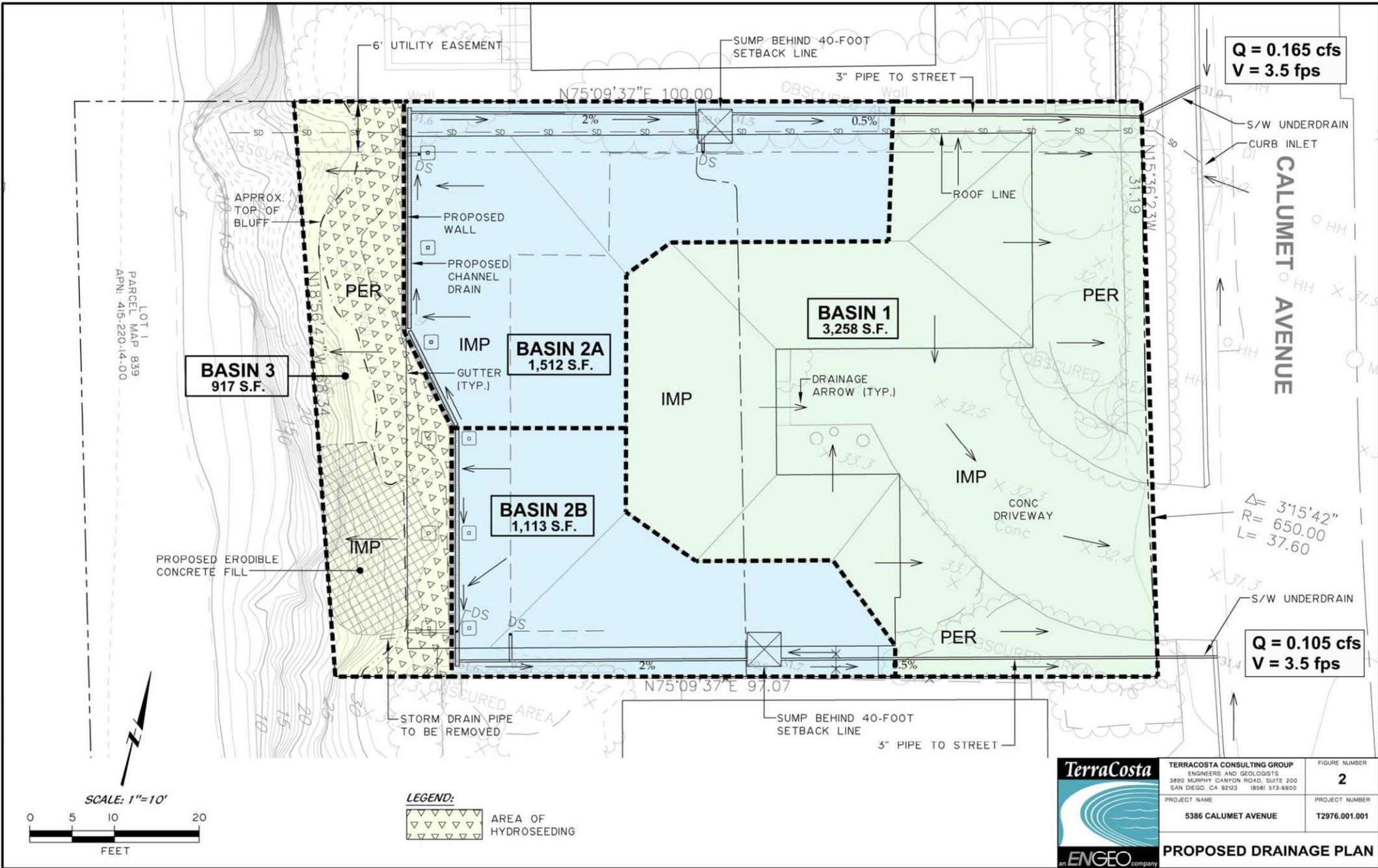


**Photo
Simulation of
bluff
stabilization**

Proposed Drainage Pattern

Proposed improvements that include relocating the patio wall landward of the 5-foot setback, and installing channel drains in the patio area which drain stormwater to the street reduce drainage over the bluff by 75%.

Plan is reproduced from drainage study on file at City of San Diego.





Example of Similar Bluff Stabilization

This seawall located 750 feet to the south at 5322 Calumet Avenue is approximately the same overall size as the proposed infill at 5386 Calumet Avenue. The wall has been architecturally treated to blend with the surrounding coastal bluffs.



5386 Calumet

Drone Photo August 2022

As a part of this project, WWII rubble & debris and broken gunite from bluff face will be removed from the beach.

Note rusted gun moun has been washed further seaward by ocean waves.