

August 20, 2024

Michael Wysong  
3158 Shallow Springs Terrance  
Chico, CA 95928

RE: Shared Use of Fire Suppression Pond Between Dorothy Gayle Ranch and Eustachy-Wysong Ranch

Dear Mr. Wysong,

This letter establishes an agreement for shared use of the fire suppression pond proposed on Lot 1 of the Dorothy Gayle Ranch with costs allocated proportionally based on the number of lots served by the fire suppression pond

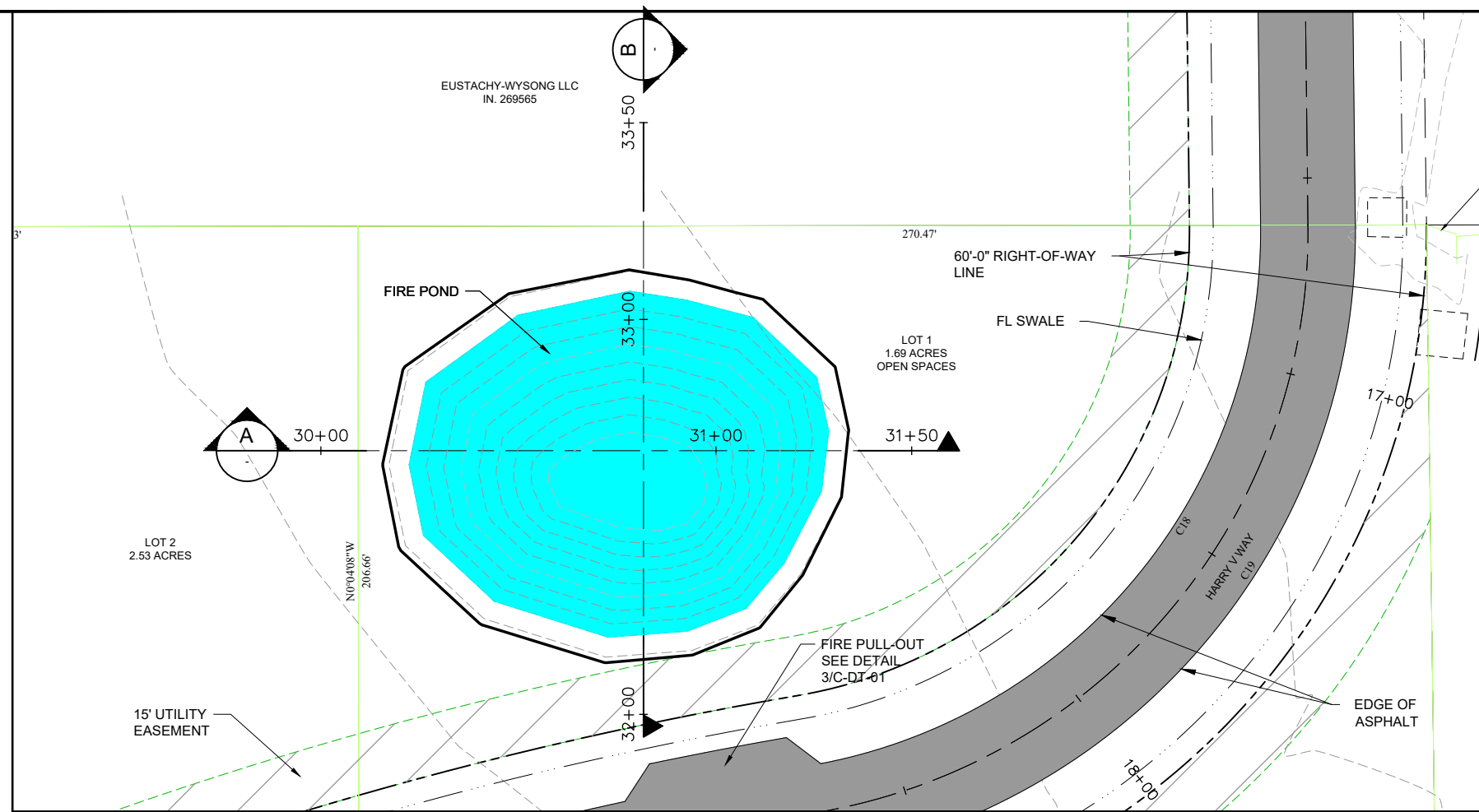
The Dorothy Gayle Ranch has proposed a fire suppression pond on Lot 1 near the entrance to the proposed Dorothy Gayle Ranch subdivision which is located immediately south of the proposed Eustachy-Wysong Ranch. The fire marshal has approved the use of the fire suppression pond for the Dorothy Gayle Ranch and currently supports shared use of fire suppression ponds.

The two developments currently share access to a county road via easement through neighboring property with the Dorothy Gayle Ranch access through existing easements on the Eustachy-Wysong Ranch. The shared road access is complementary to the shared use of a fire suppression pond.

Sincerely,

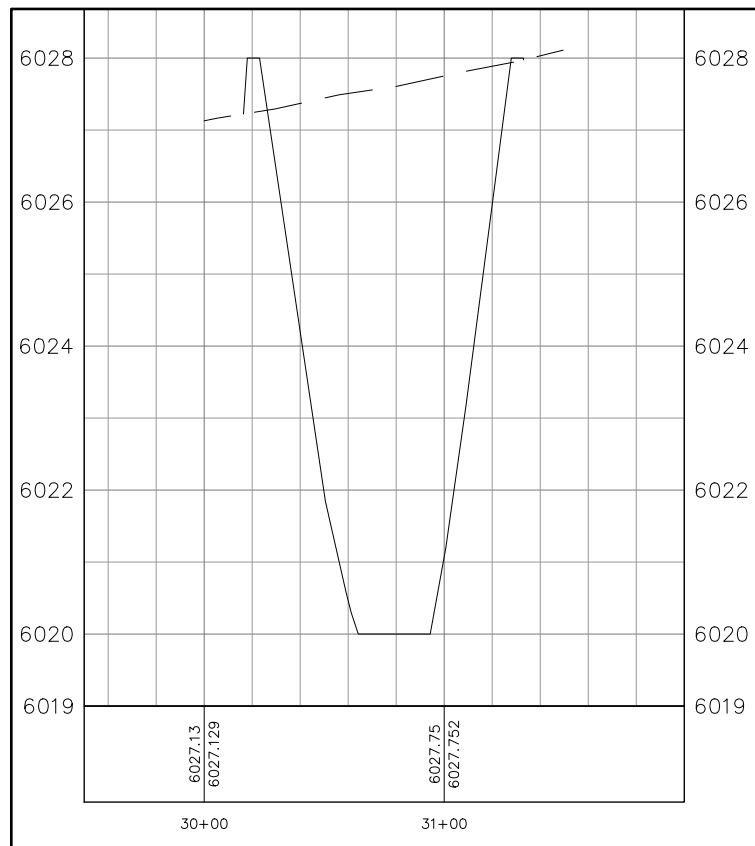


Curt Behle



PLAN VIEW

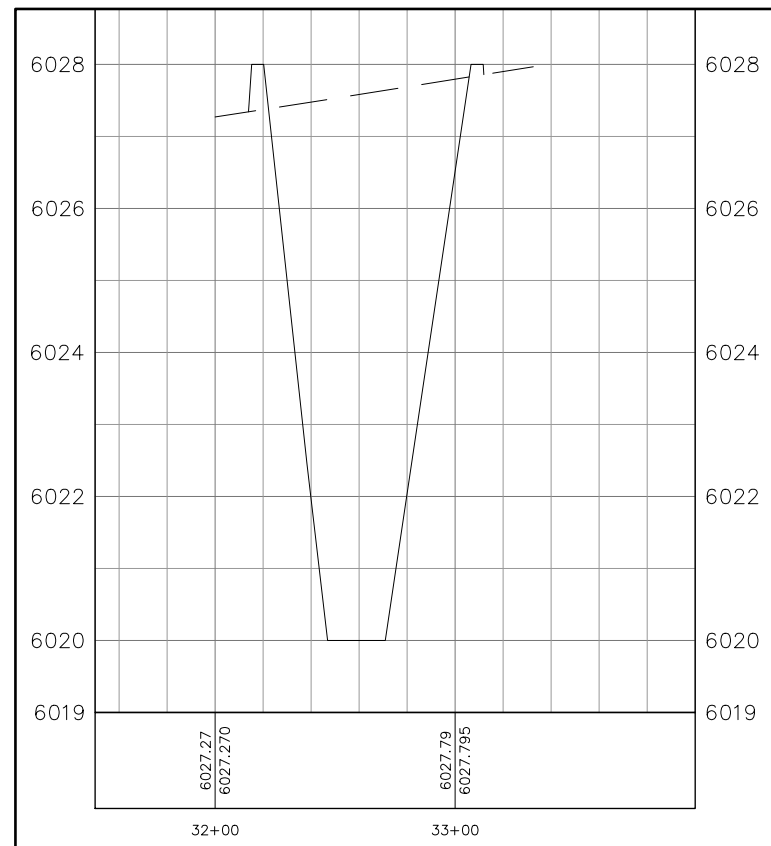
SCALE: 1" = 20'



FIRE POND SECTION

SCALE: NTS

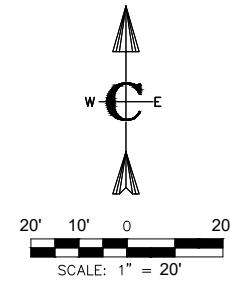
A



FIRE POND SECTION

SCALE: NTS

B



CONSTRUCTION NOTES:

GENERAL NOTES - DRY HYDRANT AND FIRE POND

A. DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH NFPA 1231 "STANDARD ON WATER SUPPLIES FOR SUBURBAN AND RURAL FIRE FIGHTING."

B. FLOW: PER THE LOCAL FIRE MARSHAL, THE DRY HYDRANT SYSTEM SHALL BE CAPABLE OF PROVIDING A FLOW RATE OF 1,000 GALLONS PER MINUTE FOR TWO HOURS (120,000 GALLONS)

POND VOLUME AND CONFIGURATION

C. THE INTAKE STRAINER SHALL BE PLACED AT LEAST EIGHT FEET BELOW THE NORMAL WATER ELEVATION OF THE POND

a. THE TOP TWO FEET OF WATER BELOW THE NORMAL WATER ELEVATION SHOULD ALLOW FOR DROUGHT AND ICE CONDITIONS AND SHOULD BE CONSIDERED NON-USABLE.

b. THE SIX FEET IMMEDIATELY ABOVE THE INTAKE STRAINER SHOULD BE CONSIDERED USABLE WATER WITH A TOTAL VOLUME IN THIS ZONE OF 120,000 GALLONS

D. A MINIMUM OF TWO FEET SHALL SEPARATE THE BOTTOM OF THE INTAKE STRAINER AND THE BOTTOM OF THE POND.

DRY HYDRANT PLACEMENT

E. THE DRY HYDRANT FITTING AT THE ROAD SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL FIRE DISTRICT.

SPECIFICATIONS

F. PIPING, ELBOWS, AND COUPLINGS, REDUCERS, AND UNDERWATER STRAINER SHALL BE SCHEDULE 40 OR HEAVIER PVC AND SHALL BE JOINED WITH APPROPRIATE PVC-TYPE CEMENT ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS TO ENSURE THE JOINTS ARE AIRTIGHT.

G. HORIZONTAL PIPING SHALL HAVE A MINIMUM INSIDE DIAMETER OF SIX INCHES.

H. RISER PIPING SHALL HAVE A MINIMUM INSIDE DIAMETER OF SIX INCHES. I. AN INTAKE STRAINER CAPABLE OF SUPPORTING THE FLOW REQUIREMENTS SHALL BE PROVIDED.

J. HORIZONTAL PIPE SHALL BE BURIED AND PLACED NEARLY LEVEL WITH MINIMUM COVER OF 5 FEET BELOW FINISHED GRADE.

K. THE NORMAL WATER SURFACE IN THE RISER SHALL BE A MINIMUM OF 4 FEET BELOW FINISHED GRADE UNLESS ALTERNATE FROST PROTECTION IS PROVIDED.

POND CONSTRUCTION

L. THE FOUNDATION AREA, POOL AREA, AND BORROW AREA SHALL BE CLEARED OF ALL TREES, STUMPS, ROOTS AND OTHER DEBRIS.

M. TOPSIL SHALL BE STRIPPED FROM THE FOUNDATION AREA AND STOCKPILE FOR FUTURE USE.

N. THE FOUNDATIONS AREA SHALL BE SCARIFIED BEFORE THE FIRST LAYER OF FILL IS PLACED.

O. SUITABLE FILL MATERIAL FOR EMBANKMENT CONSTRUCTION SHALL BE USED TO CONSTRUCT THE POND LINER. MATERIAL SHALL CONTAIN A MINIMUM OF 40% CLAY AND SHALL BE FREE OF SOD, ROOTS, FROZEN SOIL, STONES, ETC.

P. THE PRINCIPAL OUTLET SHALL BE PLACED ON A FIRM FOUNDATION TO THE LINES AND GRADES SHOWN ON THE PLAN.

DESIGN CRITERIA:

FIRE FLOW \_\_\_\_\_ 1,000 GPM X 2 HOURS  
 VOLUME REQUIRED \_\_\_\_\_ 120,000 GALLONS  
 FREEBOARD \_\_\_\_\_ 1 FOOT  
 ALLOWANCE FOR ICE \_\_\_\_\_ 2 FEET

POND DESIGN

SURFACE AREA \_\_\_\_\_ 5,000 SQUARE FEET  
 SIDE SLOPES \_\_\_\_\_ 4H:1V  
 MAXIMUM DEPTH \_\_\_\_\_ 9 FEET  
 AVERAGE WIDTH \_\_\_\_\_ 60 FEET  
 AVERAGE LENGTH \_\_\_\_\_ 100 FEET  
 CALCULATED TOTAL VOLUME ESTIMATE \_\_\_\_\_ 220,000 GALLONS  
 CALCULATED USABLE VOLUME (WITH ICE) \_\_\_\_\_ 150,000 GALLONS

NO.	REVISIONS	BY	DATE

**Civilize, PLLC**  
 Management and Engineering

PROJECT NO.	02/24/2023
DRAWN	D. WILBER
DESIGNED	B. CROWTHER
APPROVED	B. CROWTHER

**DOROTHY GAYLE RANCH**

SUBDIVISION

FIRE POND SITE PLAN

SHEET NO:  
**C-FP-01**

DATE:  
**JANUARY 2023**

PAGE NO:  
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