



## REQUEST FOR JURISDICTIONAL/EXEMPT DETERMINATION FOR A WATER IMPOUNDMENT STRUCTURE<sup>1</sup>

### OWNER/ENGINEER INFORMATION

Name: \_\_\_\_\_ Telephone/E-Mail: (\_\_\_\_)\_\_\_\_\_/\_\_\_\_\_

Address: \_\_\_\_\_  
 Street / P.O. Box/ Rural Route City State Zip Code

Engineer: \_\_\_\_\_ PE #: \_\_\_\_\_ Telephone/E-Mail: (\_\_\_\_)\_\_\_\_\_/\_\_\_\_\_

Address: \_\_\_\_\_  
 Street / P.O. Box/ Rural Route City State Zip Code

### STRUCTURE INFORMATION (A vicinity map and plan/section scale drawings of the dam is also required)

Name of Dam: \_\_\_\_\_ Water Division: \_\_\_\_\_ Water District: \_\_\_\_\_

Location: (Provide Section, Township, Range, **and** GPS Point taken at crest of dam above streamline/outlet)

- Section: \_\_\_\_\_, Township: \_\_\_\_\_, Range: \_\_\_\_\_, \_\_\_\_ P.M.

- Northing \_\_\_\_\_ meters, Easting \_\_\_\_\_ meters (Datum should be UTM, NAD 83)

#### Dam Dimensions:

- Vertical Height<sup>2</sup>: \_\_\_\_\_ ft., Length: \_\_\_\_\_ ft., Crest Width: \_\_\_\_\_ ft., Slopes: U/S: \_\_\_\_\_ (H:1V), D/S \_\_\_\_\_ (H:1V)

#### Reservoir:

- Surface Area<sup>1</sup>: \_\_\_\_\_ acres, Capacity<sup>1</sup>: \_\_\_\_\_ acre-feet, Drainage Area: \_\_\_\_\_ acres

#### Emergency Spillway:

- Bottom Width: \_\_\_\_\_ ft., Side Slopes: \_\_\_\_\_ H:1V, Freeboard<sup>3</sup>: \_\_\_\_\_ ft, Capacity: \_\_\_\_\_ cfs

Outlet Conduit Type: \_\_\_\_\_, Size: \_\_\_\_\_ ft/in, Capacity: \_\_\_\_\_ cfs

Stream Name or Water Source<sup>4</sup>: \_\_\_\_\_ Proposed Water Use: \_\_\_\_\_

Hazard Classification<sup>5</sup>: \_\_\_\_\_ Exempt<sup>6</sup>: \_\_\_\_\_

Signature of Owner

Date

Signature of Engineer

Date

#### **Office Use Only**

#### DAM SAFETY REQUIREMENTS:

Dam Safety Engineer: \_\_\_\_\_

Dam I.D. \_\_\_\_\_

Signature of Dam Safety Engineer

Date

<sup>1</sup> A "Non-Jurisdictional Structure" is a dam creating a reservoir with a capacity of 100 acre-feet or less *and* a surface area of 20 acres or less *and* a vertical height (footnote 2) of 10 feet or less. Non-jurisdictional size dams are regulated and subject to the authority of the State Engineer consistent with sections 37-87-102 and 37-87-105 C.R.S.

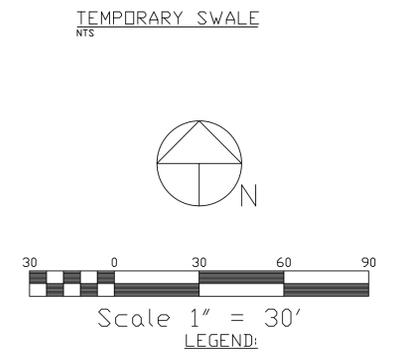
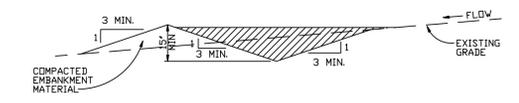
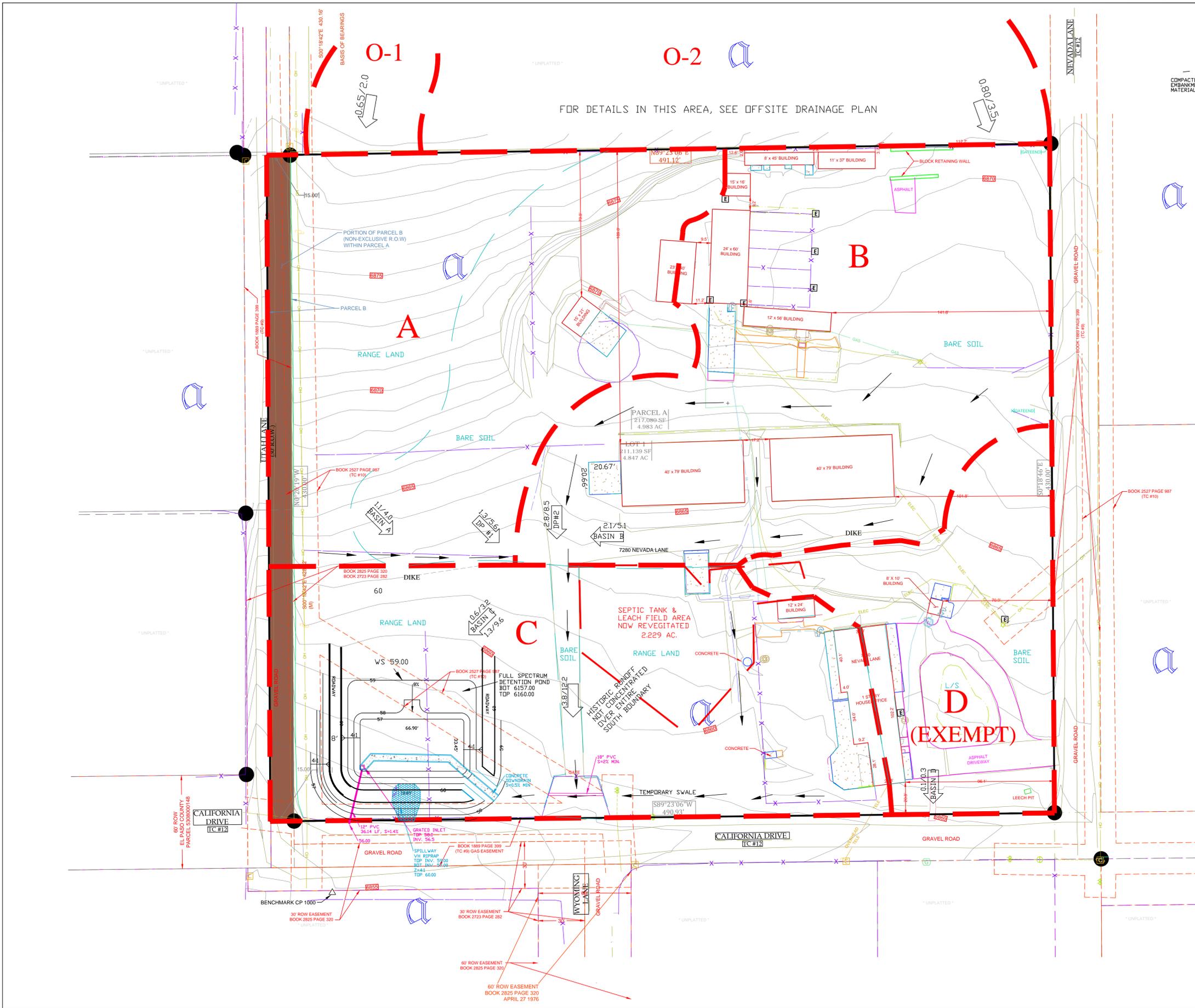
<sup>2</sup> "Vertical Height" is measured from the elevation of the lowest point of the natural surface of the ground or the invert of the outlet conduit (whichever is lower) where that point occurs along the longitudinal centerline of the dam up to the crest of the emergency spillway of the dam.

<sup>3</sup> "Freeboard" is the vertical distance from the bottom of spillway to the crest of the dam. Minimum Freeboard is 3 feet.

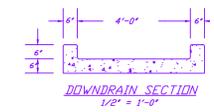
<sup>4</sup> If construction in reservoir intercepts groundwater, a well permit is required. (Well permit applications can be found at [dwr.colorado.gov](http://dwr.colorado.gov))

<sup>5</sup> As determined by a professional engineer licensed in the State of Colorado. Potential hazard classes: High, Significant, Low, and No Public Hazard. Refer to [2-CCR 402-1 §4.2.14](#) for definitions and Colorado Dam Safety [Guidelines for Hazard Classification](#) and [Guidelines for Dam Breach Analysis](#) for additional information.

<sup>6</sup> 37-87-114.5 C.R.S. and [2-CCR 402-1 §17](#) provide exemptions for some types of structures.



- 10.5/20.4 RUNOFF IN CFS 5-YEAR/100-YEAR
- A** LIMIT OF DRAINAGE BASIN AND DESIGNATION
- EXISTING STORM SEWER AS LABELED
- PROPOSED STORM SEWER AS LABELED
- B** LIMIT OF SOILS TYPE AND GROUP
- GROUND COVER
- DIRECTION OF RUNOFF
- TEMPORARY SWALE WHERE SHOWN



**DRAINAGE BASIN SUMMARY**

BASIN	AREA -AC-	RUNOFF IN CFS	
		5-YEAR	100-YEAR
D-1	0.59	0.65	2.0
D-2	1.30	0.80	3.5
A	1.41	1.1	4.0
B	1.54	2.1	5.1
C	1.41	0.6	3.2
D	0.63	0.1	0.3
<b>DESIGN POINTS</b>			
△	2.00	1.3	5.6
△	2.84	2.8	8.5
△	4.95	3.8	12.2
TOTAL HISTORIC	5.70	1.3	9.6

