



NON-JURISDICTIONAL WATER IMPOUNDMENT STRUCTURE¹

This notice is required per Section 37-87-125, C.R.S. (1998) and must be submitted to the Division Engineer's Office a minimum of 45 days prior to construction.

OWNER INFORMATION

Name: G&S Development Inc. Telephone/E-Mail: (720)490-4250 / sgratrix@gandsdevelopment.com
Address: 9800 Pyramid Ct, #340 Englewood Colorado 80112
Responsible Person: Mr. Scott Gratrix Telephone/E-Mail: (720)490-4250 / sgratrix@gandsdevelopment.com

STRUCTURE INFORMATION

Name of Dam: Detention Pond C Water Division: 2 Water District: 10

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

- Section: 6, Township: 12S, Range: 66W, 6th P.M.
- Northing 4320816.24 meters, Easting 514734.27 meters (Datum should be UTM, NAD 83)

Dam Dimensions:

- Vertical Height: 6 ft., Length: 350 ft., Crest Width: 4 ft., Slopes: U/S: 4 (H:1V), D/S 4 (H:1V)

Reservoir:

- Surface Area: 0.5 acres, Capacity: 1.5 acre-feet, Drainage Area*: 14.9 acres
*(If drainage area is unknown leave blank and a spillway size will be assigned):

Emergency Spillway: (See Table 1, Spillway Sizing Guidelines)

- Bottom Width: 13 ft., Side Slopes: 3 H:1V, Freeboard: 2 ft

Outlet Conduit Type: RCP, Size: 18 inches, Location: Outlet structure

Stream Name or Water Source: Tributary of Monument Creek Proposed Water Use: Detention

Water Court Case or WDID : (Water District Identification Number)

Signature of Owner

Date

Office Use Only

DIVISION ENGINEER'S REQUIREMENTS:

Dam I.D. Signature of Division Engineer Date

1 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.
2 "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.
3 Freeboard" is the vertical distance from the bottom of spillway to the crest of the dam. Minimum Freeboard is 3 feet.
4 If construction in reservoir intercepts groundwater, a well permit is required. (Well permit applications can be found at www.water.state.co.us)



Table 1 DAM SAFETY BRANCH Spillway Sizing Guidelines for Non-Jurisdictional Dams

Drainage Area (Acres)	Minimum Recommended Bottom Width ¹ (Feet) Low Intensity Rainfall Zone	Minimum Recommended Bottom Width ¹ (Feet) High Intensity Rainfall Zone
175	8	8
225	8	10
275	8	12
325	8	15
375	10	17
425	11	19
475	12	21
525	13	24
575	15	26
625	16	28
675	17	30
725	19	33
775	20	35
825	21	37
875	22	39
925	24	42
975	25	44
1025	26	46
1075	28	48
1125	29	51
1175	30	53
1225	31	55
1275	33	57
1325	34	59
1375	35	62
1425	37	64
1475	38	66

¹Minimum recommended bottom width for drainage areas less than 175 acres is 8 feet



Spillway Section