Dombrowski, Colin

From: Wodiuk - DNR, Jessica <jessica.wodiuk@state.co.us>
Sent: Tuesday, September 15, 2026 1:43 PM
To: Dombrowski, Colin
Subject: Signature Needed- NOI Church at Bent Grass Meadows Pond A
Attachments: FAL Realty LLC - NOI to Construct a Non-Jurisdictional Water Impoundment Structure_Pond-A.pdf

This email came from outside the HR Green organization. Please use caution when clicking on hyperlinks and opening attachments

Hi Colin,

We have received the attached Non-Jurisdictional Water Impoundment Structure form for the above referenced pond. Unfortunately, we cannot begin our review because the owner has not signed the form. Can you please gather the owner's signature with current date? You can email the new copy directly to me and I will forward it to the appropriate staff.

Thank you!

--
Jessica Wodiuk
Admin Assistant
Division 2

COLORADO
Division of Water Resources
Department of Natural Resources

P 719-542-3368 x2114
310 E. Abriendo Ave, Suite B, Pueblo, CO 81004
jessica.wodiuk@state.co.us | dwr.colorado.gov

Dombrowski, Colin

From: Dombrowski, Colin
Sent: Tuesday, September 15, 2026 12:20 PM
To: 'DWRPermitsOnline@state.co.us'
Cc: Lyon, Richie
Subject: Church at Bent Grass Meadows - Pond A (Non-JD Water Impoundment Structure Form)
Attachments: NOI to Construct a Non-Jurisdictional Water Impoundment Structure_Pond-A.pdf; Church at Bent Grass - PCM Plan Pond A.pdf

Hello,

Attached is the Non-Jurisdictional Water Impoundment Structure form for Pond A within the Church at Bent Grass Meadows development. Accompanying the form are the Construction Drawings for the detention pond with the spillway detail and basin grading plan. As the dam is non-jurisdictional, County criteria has been followed for the freeboard vertical height of 1.0' minimum from the un-detained water surface elevation within the spillway to the top of pond berm. The reported freeboard on the form is from the spillway crest to the top of pond berm per the detail.

Thank you,

Colin Dombrowski, E.I.T.
Staff Engineer II – Land Development
HR Green® | Building Communities. Improving Lives.

HRGreen®

1975 Research Parkway | Suite 160 | Colorado Springs, CO 80920
Main 719.300.4140 | **Fax** 713.965.0044 | **Direct** 719.394.2439
HRGREEN.COM

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Department of Natural Resources
dwr.colorado.gov P 303.866.3581

NON-JURISDICTIONAL WATER IMPOUNDMENT STRUCTURE[1]

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: FAL Realty, LLC Telephone/E-Mail: (405) 216-7042 / info@seed.services

Address: 211 N Robinson / Two Leadership Square 8th Floor — Oklahoma City — Oklahoma — 73102
(Street / P.O. Box/ Rural Route — City — State — Zip Code)

Responsible Person: FAL Realty, LLC. Telephone/E-Mail: (405) 216-7042 / info@seed.services

Address: 211 N Robinson / Two Leadership Square 8th Floor — Oklahoma City — Oklahoma — 73102
(Street / P.O. Box/ Rural Route — City — State — Zip Code)

Contractor: TBD Telephone/E-Mail: (____)_____/_____

STRUCTURE INFORMATION

Name of Dam: Church at Bent Grass Meadows - Pond A Water Division: 2 Water District: 10

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

- Section: 01, Township: 13S, Range: 65, W P.M.

- Northing 4311329 meters, Easting 533924 meters (*Datum should be UTM, NAD 83)*

Dam Dimensions:

- Vertical Height[2]: 7.00 ft., Length: 209 ft., Crest Width: 12 ft., Slopes: U/S: 4 (H:1V), D/S 6 (H:1V)

Reservoir:

- Surface Area[1]: 0.63 acres, Capacity[1]: 1.61 acre-feet, Drainage Area*: 7.19 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: 15 ft., Side Slopes: 4 H:1V, Freeboard[3]: 2.75 ft ***Does not qualify as a dam, 1.0' freeboard required by County**

Outlet Conduit Type: RCP Outlet Pipe, Size: 18 inches, Location: Outlet structure, flows due southeast

Stream Name or Water Source[4]: _____ Proposed Water Use: _____

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

07/17/2026
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.

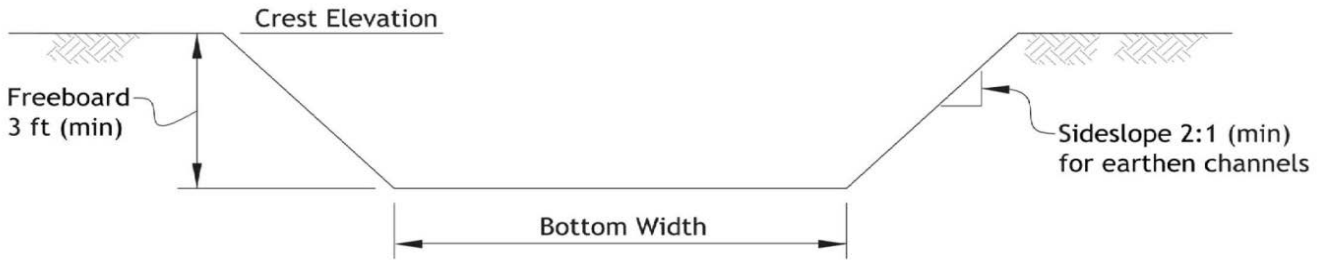
[4] If construction in reservoir intercepts groundwater, a well permit is required. (Well permit applications can be found at dwr.colorado.gov)

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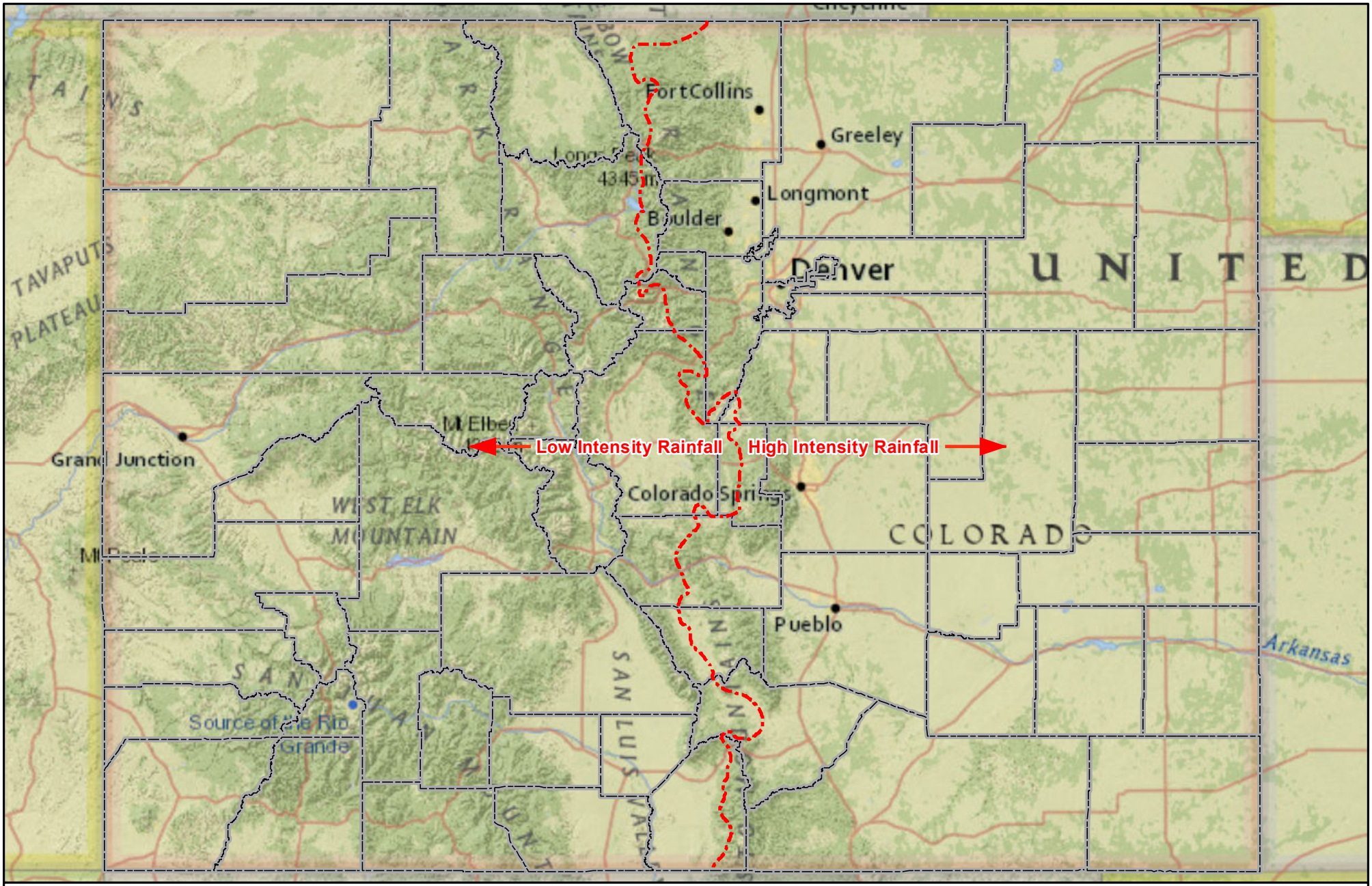
Table 1 DAM SAFETY BRANCH Spillway Sizing Guidelines for Non-Jurisdictional Dams

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

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



Spillway Section



COLORADO
Division of Water Resources
Department of Natural Resources

Rainfall Intensity Zones for Non-Jurisdictional Dam Spillway Sizing

COLORADO
Division of Water Resources
Department of Natural Resources

DAM SAFETY BRANCH Specifications for Construction of Non-Jurisdictional Dams

- Site Selection:
  - Foundation soils should be firm to provide adequate support for the embankment and should have low permeability to allow for water retention. Site selection should consider potential downstream property damage in the event of a dam failure. Construction of dams in boggy areas, areas with non-uniform fractured rock, or sands/gravels is not recommended and an engineer should be hired to evaluate the site conditions. Any part of the reservoir basin excavated below grade cannot expose groundwater.

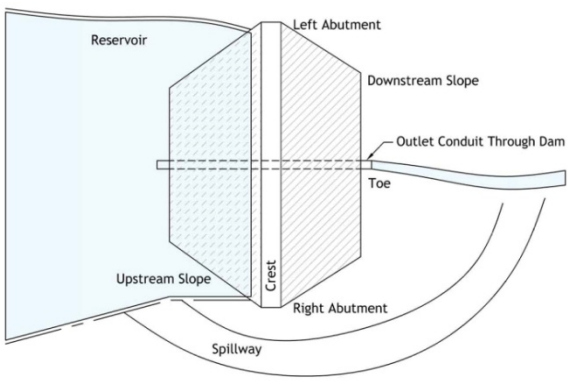
- Embankment Design:
  - Backfill material to be used for construction of the cutoff trench and embankment should be a suitable clay material and contain no material larger than 6 inches in diameter.
  - The upstream slope should be constructed with a slope no steeper than 3:1, and the downstream slope should be no steeper than 2:1 (see cross section below). The dam crest should have a minimum width of 10 feet and the surface should be graded with positive drainage toward the reservoir basin.
  - It is recommended that rock rip rap or other suitable material be placed on the upstream slope of the embankment to protect it from wave action. A suitable gravel or geosynthetic material should be placed under the rip rap to prevent fine material from washing out from behind the larger rock.
  - The embankment should be fenced to restrict livestock from accessing the dam since they damage the protective vegetation and increase erosion.

- Embankment Construction
  - The topsoil and all organic material should be removed from the foundation of the proposed dam site. Organic soil should only be reused for placement on the completed embankment to promote the re-growth of vegetation.
  - A cutoff trench should be excavated under the full length of the centerline of the dam with sloping sides (1:1 min.), a minimum bottom width of 3 feet and a depth of 3 feet.
  - The foundation of the dam should be scarified/ripped to a depth of 6-inches to provide proper contact between the native foundation and embankment. This surface should then be moisture treated before placement of fill.
  - Fill material should be placed in layers not exceeding 12 inches in thickness prior to compaction. Suitable backfill material should have enough clay and moisture content to roll a small ball by hand. If this cannot be done, the soil is likely too dry or does not have adequate clay content.
  - Each lift should be thoroughly compacted using a sheeps foot compactor. Care should be taken not to allow the top layers of the soil to dry out between placement of lifts.
  - Fill should be placed in uniform lifts that cover the entire embankment length and width.

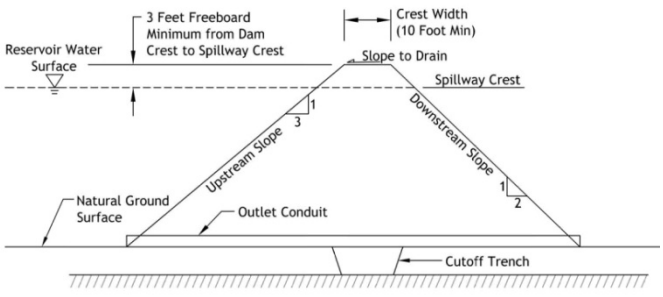
- Outlet
  - Unless a waiver is granted in writing by the Division Engineer, all non-jurisdictional dams require an outlet conduit positioned at the natural low point of the reservoir basin. A minimum diameter of 12 inches is recommended and should be controlled at the upstream end by a valve and trash rack.

- Emergency Spillway
  - The spillway should have sufficient width to provide capacity to route the runoff from the drainage basin above the dam during rainfall/runoff events.
  - The emergency spillway should be located on natural ground far enough away to prevent erosion of the dam embankment. A spillway over the dam embankment is not acceptable.
  - A minimum of 3 feet of freeboard is required from the bottom of the emergency spillway to the top of the dam.
  - To determine the minimum spillway width, see the attached table for your area and drainage basin size.

- Example Plan View and Cross Section

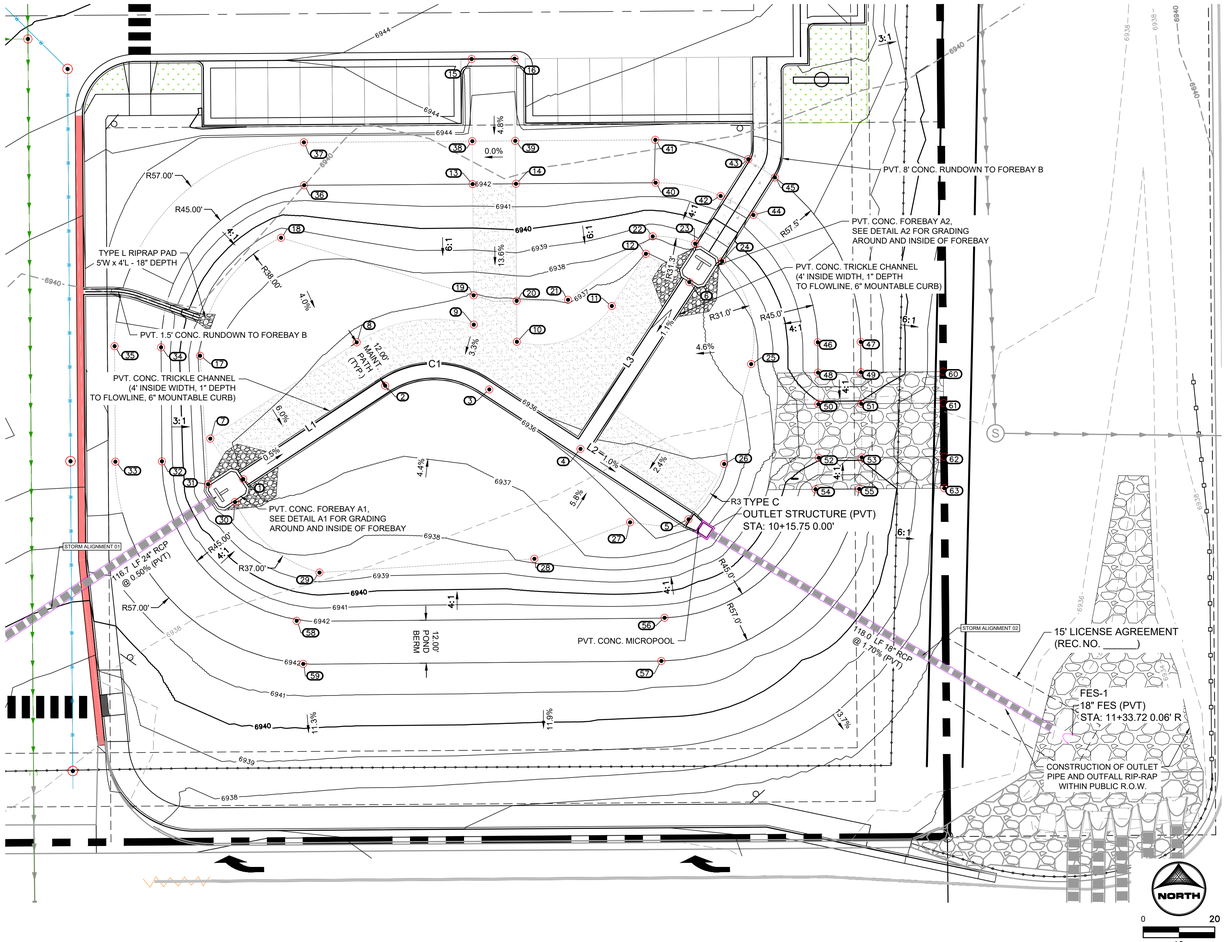


Plan View



Cross Section Through Dam at Outlet

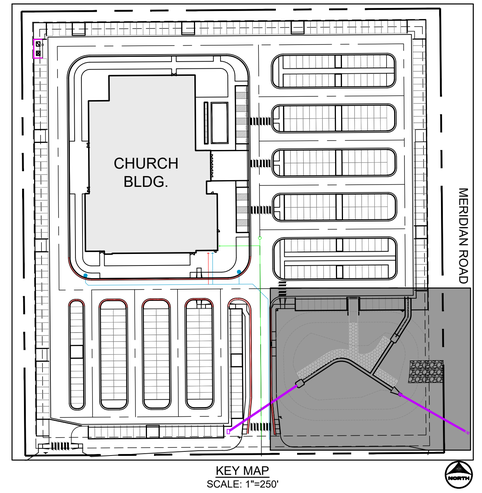
DOMBROWSKI, COLIN, 10/16/2026 4:40 PM



TRICKLE CHANNEL SEGMENT TABLE					
LINE/CURVE NO.	LENGTH (FT)	DIRECTION/DELTA	RADIUS (FT)	START N/E	END N/E
C1	29.00	66.45	25.00	N:1408028.58 E:3253492.89	N:1408028.64 E:3253520.29
L1	47.39	N56°39'33.39"E		N:1408002.54 E:3253453.30	N:1408028.58 E:3253492.89
L2	68.38	S56°53'13.65"E		N:1408028.64 E:3253520.29	N:1407991.28 E:3253577.56
L3	55.57	N33°06'46.35"E		N:1408010.91 E:3253547.47	N:1408057.45 E:3253577.83

POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
1	TC FL	N: 1408002.48 E: 3253453.21	6935.97
2	TC FL	N: 1408028.58 E: 3253492.89	6935.67
3	TC FL	N: 1408027.53 E: 3253521.98	6935.51
4	TC FL	N: 1408010.91 E: 3253547.47	6935.36
5	TC FL	N: 1407991.23 E: 3253577.64	6935.00
6	TC FL	N: 1408057.54 E: 3253577.88	6936.10
7	MAINT PATH	N: 1408013.77 E: 3253444.00	6937.37
8	MAINT PATH	N: 1408040.70 E: 3253484.92	6936.80
9	MAINT PATH	N: 1408045.63 E: 3253517.64	6936.54
10	MAINT PATH	N: 1408040.85 E: 3253529.70	6936.45
11	MAINT PATH	N: 1408050.87 E: 3253556.22	6936.71
12	MAINT PATH	N: 1408065.46 E: 3253565.74	6936.92
13	MAINT PATH	N: 1408084.95 E: 3253517.33	6942.00
14	MAINT PATH	N: 1408085.03 E: 3253529.43	6942.00
15	MAINT PATH	N: 1408119.91 E: 3253517.03	6943.47
16	MAINT PATH	N: 1408120.01 E: 3253529.03	6943.35
17	BTM POND	N: 1408036.95 E: 3253441.15	6937.77
18	BTM POND	N: 1408069.93 E: 3253463.77	6938.26
19	BTM POND	N: 1408053.84 E: 3253517.59	6936.93
20	BTM POND	N: 1408052.28 E: 3253529.63	6936.91
21	BTM POND	N: 1408052.59 E: 3253543.98	6937.04
22	BTM POND	N: 1408070.33 E: 3253567.64	6938.11
23	BTM POND	N: 1408068.31 E: 3253579.50	6938.62
24	BTM POND	N: 1408063.41 E: 3253587.05	6938.64
25	BTM POND	N: 1408034.62 E: 3253595.16	6937.55
26	BTM POND	N: 1408006.70 E: 3253587.62	6935.82
27	BTM POND	N: 1407990.39 E: 3253561.33	6936.09
28	BTM POND	N: 1407980.20 E: 3253534.58	6937.69
29	BTM POND	N: 1407976.34 E: 3253474.52	6938.29
30	BTM POND	N: 1407996.06 E: 3253450.92	6937.83
31	BTM POND	N: 1408001.03 E: 3253443.36	6937.86
32	TOP POND	N: 1408007.43 E: 3253430.48	6942.00
33	TOP POND	N: 1408007.34 E: 3253417.48	6942.00
34	TOP POND	N: 1408039.31 E: 3253430.25	6942.00
35	TOP POND	N: 1408039.63 E: 3253417.24	6942.00

POINT TABLE			
No.	DESC.	NORTHING & EASTING	ELEV
36	TOP POND	N: 1408084.60 E: 3253470.24	6942.00
37	TOP POND	N: 1408096.60 E: 3253470.16	6942.00
38	TOP POND	N: 1408096.95 E: 3253517.23	6942.00
39	TOP POND	N: 1408097.03 E: 3253529.23	6942.00
40	TOP POND	N: 1408085.32 E: 3253568.46	6942.00
41	TOP POND	N: 1408097.32 E: 3253568.37	6942.00
42	TOP POND	N: 1408081.63 E: 3253586.63	6941.88
43	TOP POND	N: 1408091.90 E: 3253594.37	6942.00
44	TOP POND	N: 1408076.31 E: 3253595.80	6941.88
45	TOP POND	N: 1408086.79 E: 3253601.79	6942.00
46	TOP POND	N: 1408040.72 E: 3253613.79	6942.00
47	TOP POND	N: 1408040.83 E: 3253625.79	6942.00
48	TOP SPILL	N: 1408032.22 E: 3253613.86	6942.00
49	TOP SPILL	N: 1408032.33 E: 3253625.84	6942.00
50	CREST	N: 1408023.42 E: 3253613.94	6939.80
51	CREST	N: 1408023.53 E: 3253625.94	6939.80
52	CREST	N: 1408008.42 E: 3253614.07	6939.80
53	CREST	N: 1408008.53 E: 3253626.07	6939.80
54	TOP SPILL	N: 1407999.61 E: 3253613.17	6942.00
55	TOP SPILL	N: 1407999.72 E: 3253625.38	6942.00
56	TOP POND	N: 1407963.71 E: 3253570.97	6942.00
57	TOP POND	N: 1407951.63 E: 3253570.06	6942.00
58	TOP POND	N: 1407962.85 E: 3253468.14	6942.00
59	TOP POND	N: 1407950.81 E: 3253469.98	6941.99
60	TOP SPILL	N: 1408032.53 E: 3253648.84	6938.28
61	CREST	N: 1408023.73 E: 3253648.94	6938.06
62	CREST	N: 1408008.73 E: 3253649.07	6937.68
63	TOP SPILL	N: 1407999.93 E: 3253649.12	6937.48



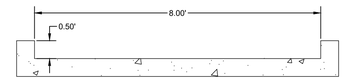
KEY MAP
SCALE: 1"=250'

POND GRADING NOTES:

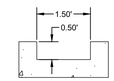
1. TWO SIGNS OF MINIMUM 3 SQ. FT. AREA, SHALL BE INSTALLED AROUND THE POND PERIMETER. THE SIGNS WILL BE CONSTRUCTED OF A DURABLE MATERIAL SUCH AS METAL OR PLASTIC AND HAVE RED LETTERING ON A WHITE BACKGROUND STATING, "WARNING- THIS AREA IS A STORMWATER FACILITY AND IS SUBJECT TO PERIODIC FLOODING.
2. SEE LANDSCAPE PLAN FOR RE-SEEDING AREAS ASSOCIATED WITH PERMANENT CONTROL MEASURE IMPROVEMENTS.
3. SEE GRADING & EROSION CONTROL PLANS FOR ANY EXISTING VEGETATION IN THE AREA. CLEARING AND GRUBBING WILL OCCUR PRIOR TO POND CONSTRUCTION AND THEREFORE, NO EXISTING VEGETATION WILL BE PRESENT.
4. ALL RIP-RAP MUST BE INSTALLED PER DETAIL SHOWN ON THIS PLAN.
5. ALL POND STORM INFRASTRUCTURE IS CONSIDERED 'PRIVATE' AND IS OWNED AND MAINTAINED BY THE OWNER.

ABBREVIATIONS:

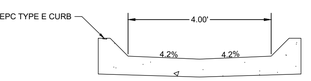
TOW ~ TOP OF WALL
BTM POND ~ BOTTOM OF POND
FL ~ FLOWLINE
TC ~ TRICKLE CHANNEL
TOP POND ~ TOP OF POND / BERM ELEVATION
SPILL ~ SPILLWAY
MAINT. ~ MAINTENANCE



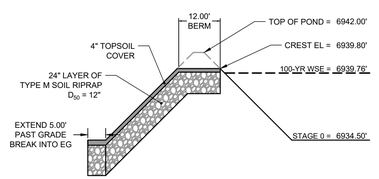
8' CONCRETE RUNDOWN SECTION
N.T.S



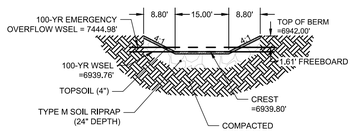
1.5' CONCRETE RUNDOWN SECTION
N.T.S



4' CONCRETE TRICKLE CHANNEL SECTION
N.T.S

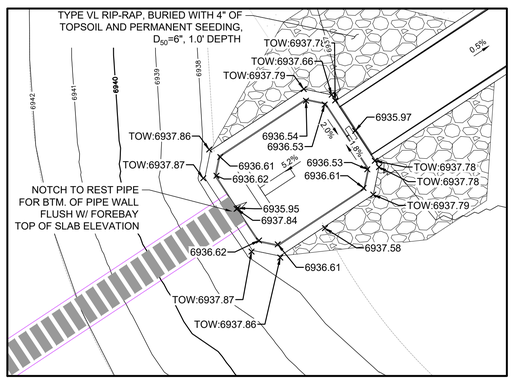


SECTION VIEW - EMERGENCY OVERFLOW SPILLWAY
N.T.S

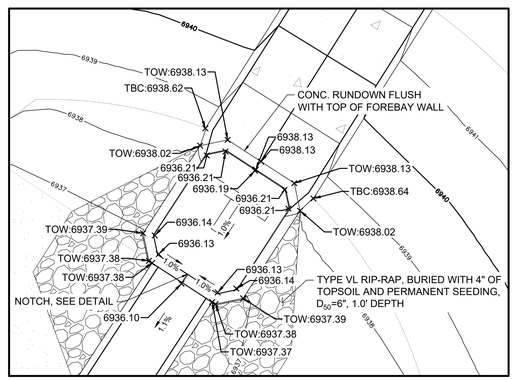


4' CONCRETE TRICKLE CHANNEL SECTION
N.T.S

DETAIL A1 (FOREBAY A1)



DETAIL A2 (FOREBAY A2)



HR GREEN Xrefs: xv-row_2403591; xc-dsgn_2403591; xv-dsgn_2403591; Key_Map_Block; xref_Titleblock_2403591_PUBLIC-CDs

DRAWN BY: RDL	JOB DATE: 10/6/2026	BAR IS ONE INCH ON OFFICIAL DRAWINGS.	
APPROVED: RDL	JOB NUMBER: 2403591	0 1"	
CAD DATE: 10/16/2026		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.	
CAD FILE: J:\2024\2403591\CAD\Dwgs\C\CD's\PCM Plans			

NO.	DATE	BY	REVISION DESCRIPTION

HRGreen
HR GREEN - COLORADO SPRINGS
1975 RESEARCH PARKWAY SUITE 160
COLORADO SPRINGS, CO 80920
PHONE: 719.300.4140
FAX: 713.965.0044

CHURCH AT BENT GRASS MEADOWS
FAL REALTY, LLC.
EL PASO COUNTY, CO

CONSTRUCTION DRAWINGS
PCM PLAN

SHEET
PCM
6

COLORADO LICENSED
RICHARD D. LEWIS
53921
10/20/2026
PROFESSIONAL ENGINEER

PCD FILE NO.: SF268