



INNOVATIVE DESIGN. CLASSIC RESULTS.

**DRAINAGE MEMO FOR
MASTER DEVELOPMENT AND PRELIMINARY
DRAINAGE REPORT FOR
FOREST LAKES (FILINGS 5, 6, & 7)
EL PASO COUNTY, COLORADO
FLRD #2 LLC – PHASE II REGIONAL WATER
IMPROVEMENTS**

June 2020

Prepared for:
FOREST LAKES RESIDENTIAL DEVELOPMENT, LLC
2138 Flying Horse Club Dr.
Colorado Springs, CO 80921
(719) 592-9333

Prepared by:
CLASSIC CONSULTING ENGINEERS & SURVEYORS, LLC
619 N. Cascade Avenue, Suite 200
Colorado Springs, CO 80903
(719) 785-0790

PPR 20-001

Job no. 1175.50

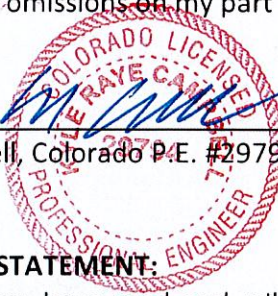


DRAINAGE MEMO FOR MASTER DEVELOPMENT DRAINAGE PLAN AMENDMENT AND PRELIMINARY DRAINAGE REPORT FOR FOREST LAKES (FILINGS 5, 6, & 7), EL PASO COUNTY, COLORADO FLRD #2 LLC – PHASE II REGIONAL WATER IMPROVEMENTS

DRAINAGE REPORT STATEMENT

ENGINEER'S STATEMENT:

The attached drainage plan and report were prepared under my direction and supervision and are correct to the best of my knowledge and belief. Said drainage report has been prepared according to the criteria established by the El Paso County for drainage reports and said report is in conformity with the master plan of the drainage basin. I accept responsibility for any liability caused by any negligent acts, errors, or omissions on my part in preparing this report.

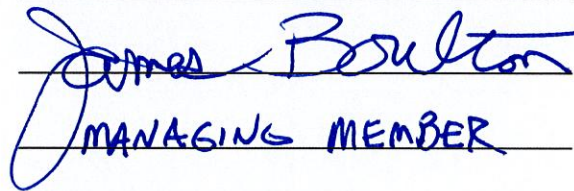


Kyle R Campbell, Colorado P.E. #29794

7.23.20
Date

DEVELOPER'S STATEMENT:

I, the developer, have read and will comply with all of the requirements specified in this drainage report and plan.

Business Name: Forest Lakes Residential Development, LLC #2
By: 
Title: MANAGING MEMBER
Address: 2138 Flying Horse Club Dr
Colorado Springs, CO 80921

EL PASO COUNTY ONLY:

Filed in accordance with the requirements of the Drainage Criteria Manual, Volumes 1 and 2, El Paso County Engineering Criteria Manual and Land Development Code as amended.

Jennifer Irvine, P.E.
County Engineer / ECM Administrator
Conditions:

Approved
By: Elizabeth Nijkamp
Date: 08/11/2020
El Paso County Planning & Community Development





June 4, 2020

El Paso County Planning & Community Development
2880 International Circle, Suite 110
Colorado Springs, CO 80910

ATTN: Mr. Gilbert C. LaForce, P.E.

RE: Drainage Memo for Master Development Drainage Plan Amendment and Preliminary Drainage Report for Forest Lakes (Filings 5, 6, & 7), El Paso County, Colorado FLRD #2 LLC – Phase II Regional Water Improvements

Dear Gilbert:

Please consider this the Drainage Memo for Master Development Drainage Plan Amendment and Preliminary Drainage Report for Forest Lakes Filings 5, 6, & 7) El Paso County, Colorado, FLRD #2 LLC – Phase II Regional Water Improvements. This letter is being written to accompany a proposed 0.26 potable water tank site plan application.

Please see the “Master Development Drainage Plan Amendment and Preliminary Drainage Report for Forest Lakes (Filings 5, 6, & 7), El Paso County, Colorado” by CCES approved March 2019 for drainage information related to this tank site plan area. All basins and drainage patterns from the original approved report remain the same as previously approved. The tank site tract is located in 3 basins from the approved MDDP, OS-1, OS-4 and A. A majority of the disturbance, driveway and tank facility is located in Basin A (see attached map excerpts)

No portion of the tank site plan is located within a FEMA Floodplain as determined by the Flood Insurance Rate Map (F.I.R.M.) map number 08041 CO2586G effective date December 7, 2018.

SUMMARY

The original approved “Master Development Drainage Plan Amendment and Preliminary Drainage Report for Forest Lakes (Filings 5, 6, & 7), El Paso County, Colorado” Included this site and tank use within its analysis.

No changes to the previously approved drainage patterns or storm system are proposed.

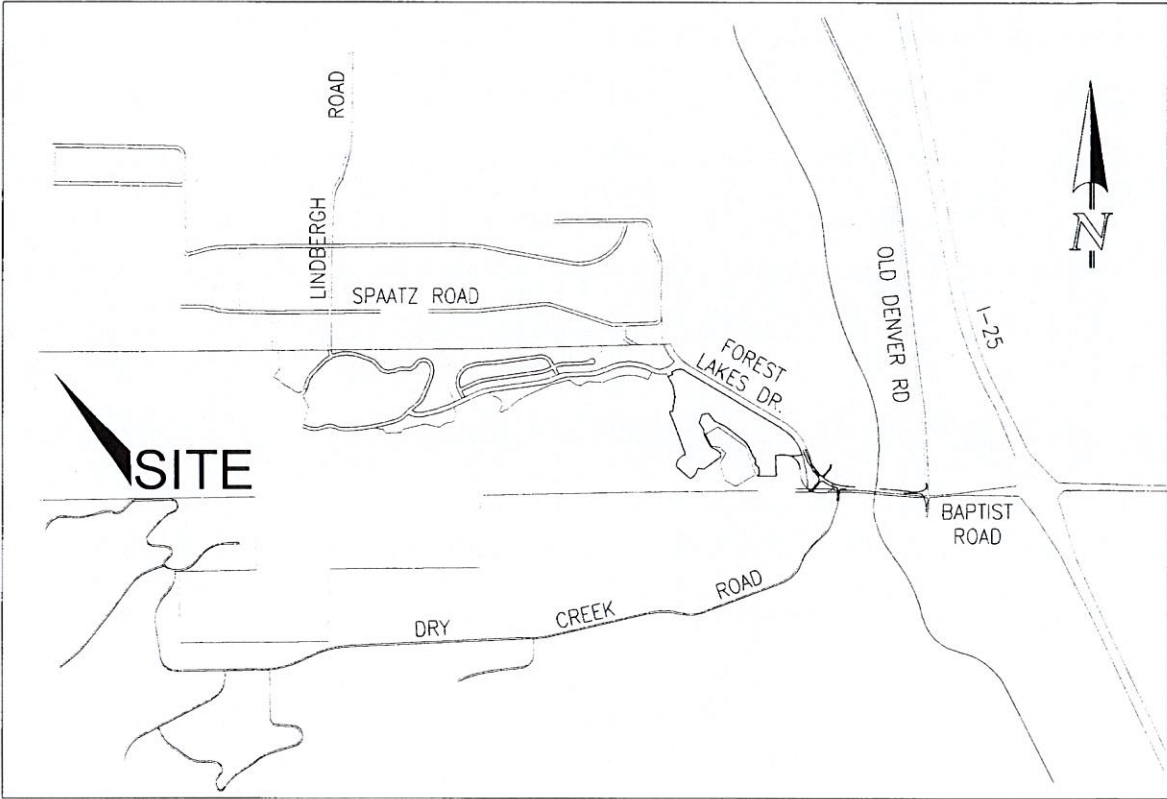
If you have any questions or comments regarding this drainage memo, please do not hesitate to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kyle R. Campbell".

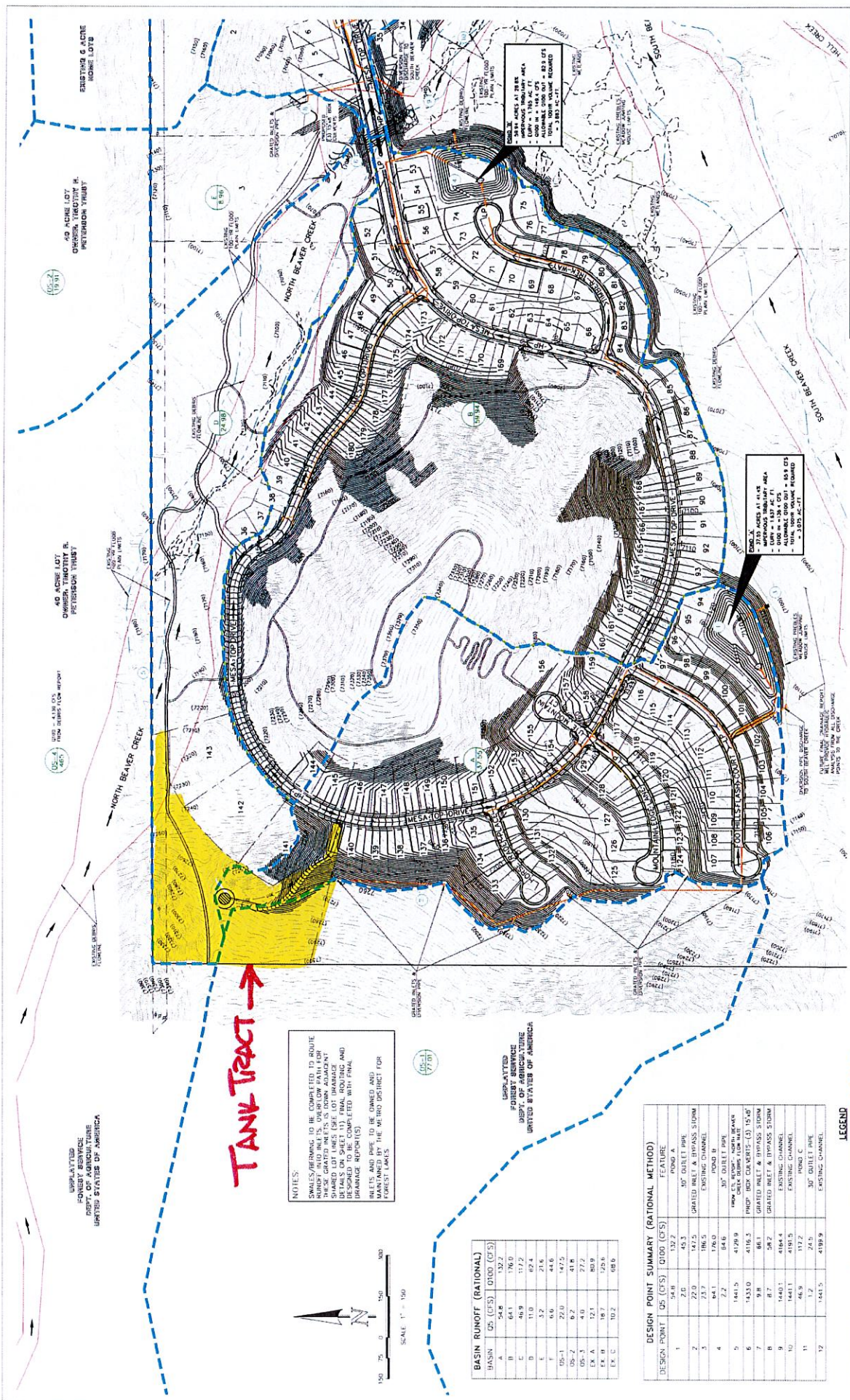
Kyle R. Campbell, P.E.
Division Manager

VICINITY MAP



VICINITY MAP

N.T.S.



TANK TRACT →

NOTES:
 SWALES/BERMS TO BE COMPLETED TO ROUTE RUNOFF AND INLETS OVERFLOW PATH FOR EXISTING INFRASTRUCTURE TO BE MAINTAINED SHARED LOT LINES (SEE LOT DRAWING DETAILS ON SHEET 11) FINAL HOLDING AND DRAINAGE REPORT(S)
 INLETS AND PIPE TO BE OWNED AND MAINTAINED BY THE MICRO DISTRICT FOR FOREST LAKES.

BASIN RUNOFF (RATIONAL)

BASIN	CS (CFS)	O100 (CFS)
A	54.8	152.7
B	61.5	173.6
C	46.9	132.2
D	11.0	29.4
E	3.2	7.6
F	6.6	17.6
05-1	22.0	57.5
05-2	9.7	25.1
05-3	4.0	10.2
05-4	18.7	47.6
EX. C	10.2	26.0

DESIGN POINT SUMMARY (RATIONAL METHOD)

DESIGN POINT	CS (CFS)	O100 (CFS)	FEATURE
1	24.0	61.2	POND A
2	22.0	57.5	30" DAPPLE PIPE
3	23.7	60.5	GRATED INLET & BYPASS STORM EXISTING CHANNEL
4	64.1	176.0	POND B
5	144.5	375.9	30" DAPPLE PIPE
6	143.0	361.3	PROF. BOX COLLECTOR-(L) 15"x8" 30" DAPPLE PIPE
7	9.8	25.1	GRATED INLET & BYPASS STORM EXISTING CHANNEL
8	8.7	22.2	EXISTING CHANNEL
9	144.0	361.3	PROF. BOX COLLECTOR-(L) 15"x8" 30" DAPPLE PIPE
10	46.9	132.2	POND C
11	1.2	3.1	30" DAPPLE PIPE
12	144.5	375.9	EXISTING CHANNEL

- LEGEND**
- PROPOSED MAIN INFRASTRUCTURE
 - PROPOSED PROPERTY LINES/LOT
 - SUBSTATION BOUNDARY
 - 15" PIPE
 - PROPOSED HOUSE UNITS
 - SUBSTATION
 - PROPOSED MAIN INFRASTRUCTURE
 - DIRECTION OF DRAINAGE
 - EXISTING STORM S/W
 - EXISTING STORM INLET
 - PROPOSED STORM S/W
 - PROPOSED STORM INLET
 - LOW POINT/POUND POINT
 - LP/PP
 - PROPOSED MAIN INFRASTRUCTURE AREA IN FEET
 - SECTION TYPED
 - EXISTING W/ LINES

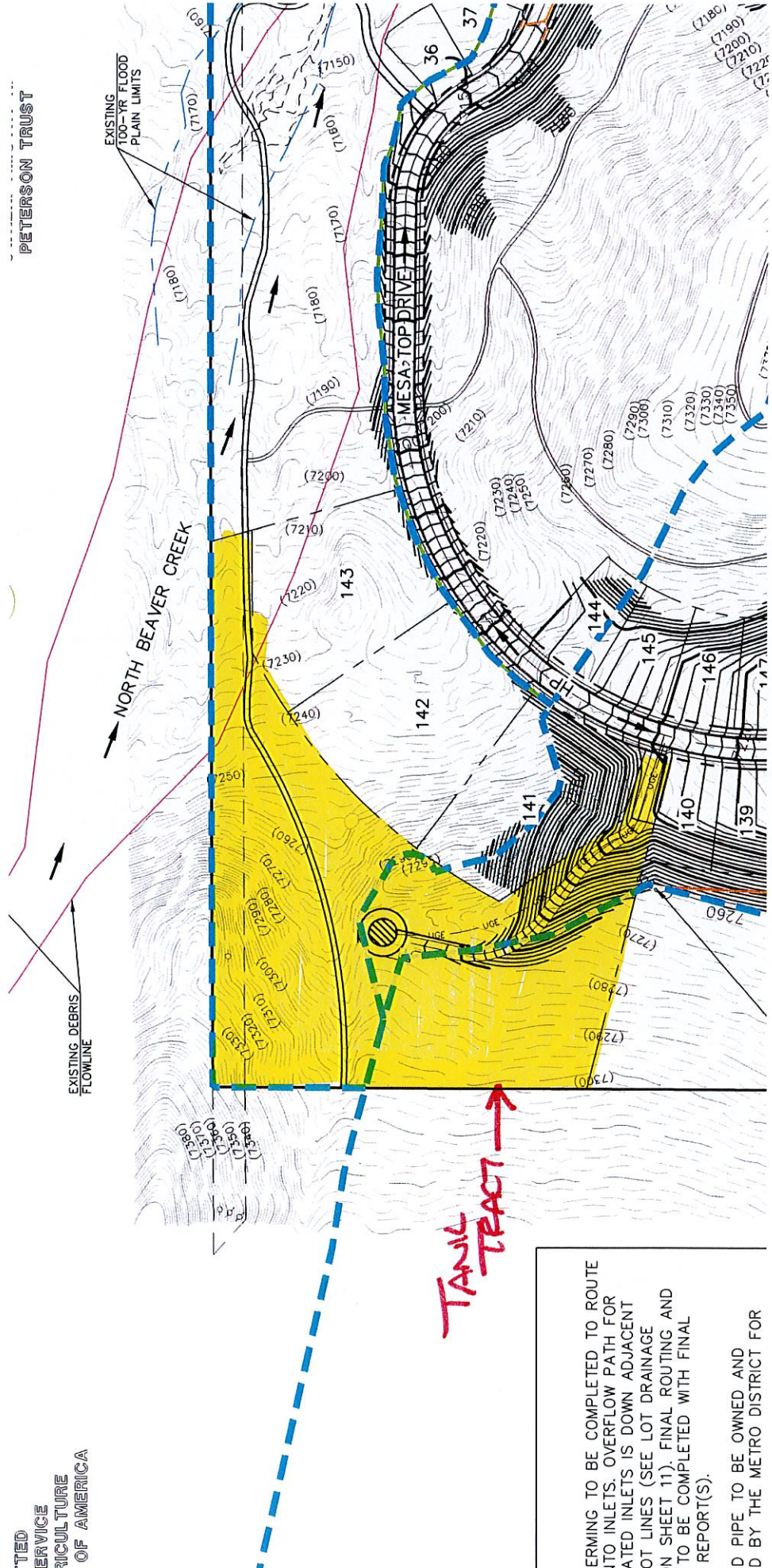
CLASSIC CONSULTING ENGINEERS & SURVEYORS

FOREST LAKES - FILMS 5, 6, & 7
 PRELIMINARY DRAINAGE REPORT DEVELOPED CONDITIONS

DESIGNED BY: MAL
 SCALE: [0] 1" = 100'
 DRAWN BY: MAL
 DATE: 1/17/2018
 CHECKED BY: [0] 1" = 100'
 PROJECT NO.: 1175-21

TED
SERVICE
AGRICULTURE
OF AMERICA

PETERSON TRUST



ERMING TO BE COMPLETED TO ROUTE
TO INLETS. OVERFLOW PATH FOR
ATED INLETS IS DOWN ADJACENT
OT LINES (SEE LOT DRAINAGE
IN SHEET 11). FINAL ROUTING AND
TO BE COMPLETED WITH FINAL
REPORT(S).

ID PIPE TO BE OWNED AND
D BY THE METRO DISTRICT FOR