

APPROVAL BLOCK

Approved by the Town Board of Trustees of the Town of Firestone, Colorado this 8th day of August, 2018, by Resolution No. 18-29.

Robbi Sindelen
Mayor

Deahlanashel
ATTEST: Town Clerk



4438318 Pages: 1 of 36
10/12/2018 03:28 PM R Fee: \$363.00
Carly Kobess, Clerk and Recorder, Weld County, CO

FDP - Amendment No. 1
Barefoot Lakes Filing No. 2
Planned Unit Development
COVER AND NARRATIVE
Town of Firestone
Weld County
State of Colorado
Sheet 1 of 36

LEGAL DESCRIPTION

BAREFOOT LAKES FILING NO. 2, AMENDMENT 1 - FINAL DEVELOPMENT PLAN

ALL OF BAREFOOT LAKES FILING NO. 2, 1ST REPLAT, RECORDED ON 04.12.2018 AT RECEPTION NO. 4438301 AT THE OFFICE OF WELD COUNTY CLERK AND RECORDER.

CONTAINING AN AREA OF 24.241 ACRES (1,055,950 SQUARE FEET), MORE OR LESS.

DESIGNWORKSHOP

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ACCEPTANCE BLOCK

By signing this FDP, the owners acknowledge and accept all of the requirements and intent set forth herein.

BAREFOOT LLC, A COLORADO LIMITED LIABILITY COMPANY
FKA CARMA BAYSHORE LLC, A COLORADO LIMITED LIABILITY COMPANY

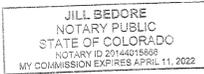
Richard J. Dengler
Name, Title (printed) President, Colorado

STATE OF COLORADO,
COUNTY OF WELD)
Asheville) SS

The foregoing instrument was acknowledged before me this 4th day of September, 2018, by Richard J. Dengler as President and _____ as _____ of Barefoot LLC, a Colorado Limited Liability Company.

Witness my hand and official seal
My commission expires 4-11-22

Jill Bede
Notary Public



AND

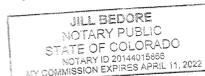
Ashley Taruffelli, CFO (Ashley Taruffelli)
Name, Title (printed)

STATE OF COLORADO,
COUNTY OF WELD)
Asheville) SS

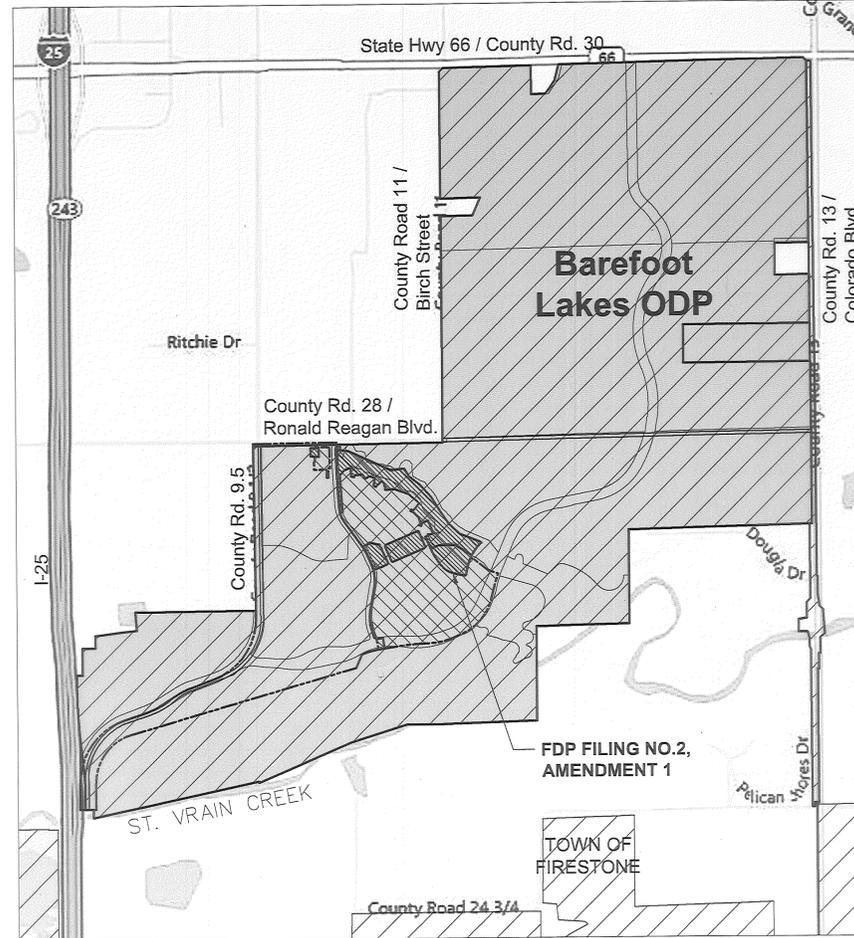
The foregoing instrument was acknowledged before me this 4th day of September, 2018, by Ashley Taruffelli as CFO and _____ as _____ of Barefoot LLC, a Colorado Limited Liability Company.

Witness my hand and official seal
My commission expires 4-11-22

Jill Bede
Notary Public



LOCATION MAP



SHEET INDEX

Sheet No.	Sheet Title	Sheet No.	Sheet Title
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3.	Overall Project Plan	24.	Irrigation Overall key
4.	Tract and Address Plan	25.	Irrigation Plan
5.	Site Plan	26.	Irrigation Plan
6.	Site Plan	27.	Irrigation Plan
7.	Site Plan	28.	Irrigation Plan
8.	Tract, Utility and Phasing Plan	29.	Irrigation Plan
9.	Landscape Phasing	30.	Irrigation Plan
10.	Grading and Drainage Plan	31.	Irrigation Details
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12.	Fine Grading and Drainage Plan	33.	Irrigation Details
13.	Fine Grading and Drainage Plan	34.	Irrigation Details
14.	Landscape - Planting Plan	35.	Site Photometric Plan
15.	Landscape - Planting Plan	36.	Site Photometric Cutsheets
16.	Landscape - Planting Plan		
17.	Landscape - Planting Plan		
18.	Fencing Plan and Details		
19.	Architecture Elevations		
20.	Architecture Plan		
21.	Site Details		

PROJECT NARRATIVE

Project Concept

This document is an Amendment to Barefoot Lakes Filing No. 2 FDP, recorded on 2/15/2018 at Rec. #4375621 at the office of Weld County Clerk and Recorder.

The purpose of this First Amendment is to make adjustments that allow for a new community pool facility. Single Family lots have been reconfigured as part of this amendment in order to accommodate the land required for this new facility. After careful analysis of the overall Barefoot Lakes development, and the distribution of planned and existing amenities, this location has been selected for the new pool facility as it is centrally located to the parcels that are and will be located south of Ronald Reagan Blvd. Its location just off Barefoot Lakes Parkway makes it readily accessible to both the existing filings as well as to planned filings to the east.

Other changes include a reconfigured Tract B to accommodate the relocated lots from the new pool facility location, but the park program and play equipment remain unchanged. 8 lots have been removed and three have been added in Block 1 next to the pool facility on Lake Terrace Street. Lots in Block 3 are being adjusted for size (being reduced from 67' width lots to 60' width lots) which allows the creation of two new lots. Two lots in Block 4 have minor lot line adjustments made to accommodate a side lot underdrain easement. The new pool facility is now located in Tract D. Signage, lighting, grading, planting and fencing have all been adjusted to accommodate the new facility, and remain in effect unless specifically modified by this Amendment.

This FDP Amendment remains consistent with the ODP for this property, and with the recorded FDP for this Filing. Existing standards defined in the recorded FDP remain in effect unless specifically modified in this amendment.

FDP - AMENDMENT NO. 1 BAREFOOT LAKES FILING NO. 2 TOWN OF FIRESTONE WELD COUNTY STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

COVER AND NARRATIVE

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
Revision 2:	8.31.2018
Revision 3:	
Sheet	<u>1</u> of <u>36</u>

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PROJECT NARRATIVE (CONTINUED)

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 10/12/2018 03:29 PM R Fee: \$383.00
 Clerk and Recorder - Weld County, CO

FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
PROJECT NARRATIVE
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 2 of 36

Private Maintenance and Enforcement

St. Vrain Lakes Metropolitan District (SVL Metro) will serve the community of Barefoot Lakes. SVL Metro is governed by a Service Plan and has recorded Covenants, Conditions, and Restrictions with the Weld County Clerk and Recorder. SVL Metro is responsible for the maintenance of all common elements as set forth in the FDP. All private roads and alleys, trails, open spaces, and parks systems with the FDP shall be maintained by SVL Metro. Please see the Tract Use Summary table for more information on maintenance and control.

Land Use and Density

The provided density and lot size table includes the original Filing 2 and modifications made by this Amendment No. 1:

Density and Lot Size Information, Filing 2 including Amendment No. 1	
Lot Size Distribution	
Min. Single Family Detached Residential Lot (sf):	5,650 sf
Max. Single Family Detached Residential Lot (sf):	13,567 sf
Mean Single Family Detached Residential Lot (sf):	7,971 sf
Density	
Gross Area (Ac.):	78.02 Ac
Gross Density (Residential Lots / Ac.):	2.36 Lots/Ac
Number of Single Family Detached Residential Lots 0-10,000 sf:	207
Number of Tracts:	12
Area of Tracts:	37.589 Ac
Area of Single Family Detached Residential Lots:	41.522 Ac
Density (Single Family Detached Residential Lots / Ac.):	4.99 Lots/Ac

The Land-Use table below includes revised amounts for all of Filing 2, not just this amendment. Note that because Tract A borders a future filing to the east, and the purpose of the new pool facility will be to serve multiple filings beyond Filing 2, the project would like to take the 6.58 acres of parks and open space area in excess of the minimum required as credit towards future filings. A second land-use table has been provided that shows the land uses for all of Filing 2 with Amendment 1, that eliminates non open-space tracts and Tract D (as this tract is allocated in Filing 3, currently under review). The land use summary has been updated for the entire Filing 2 FDP:

FDP Land-Use Table, Filing No. 2, including Amendment No. 1				
Land Use	Square Feet	Acres	% of Total	Impervious Area (sf)
Single Family Residential	1,808,698	41.522	53.3%	N/A
Tracts A*, B*, C, C*, D*, E*, F - I	1,048,749	24.076	30.9%	See Tract Use Table
Road ROW	534,390	12.268	15.8%	N/A
Totals*	3,391,837	77.866	100%	

* See tract use summary table below for tract land uses.
 Note: Within the Road ROW and Tracts, there is 55,639 sf (1.28 ac) of paving, which is less than 1% of the total area. Paved areas within residential lots is not included.

Parks, Trails, and Open Space

The neighborhood park located in Tract B remains and will retain the play equipment and boulder field as in the recorded FDP, just shifted to the west. We have reconfigured the turf lawn in order to accommodate new lots; this lawn is still large enough and flat enough to accommodate multiple uses. These lots are being added to offset those relocated to accommodate the new community pool facility on the open space corridor in Tract A. With these revisions to the open space amenities, Filing No. 2 is providing an excess of 7.544 ac of open space beyond what is required. Given that the Pool Facility will serve residents outside of Filing No. 2, this excess will be applied as a credit toward future filings' open space.

Parks and Open Space Land Use Calculations for Filing No. 2 (incl. Amendment No. 1)

	ac	% of total
Single Family	41.522	53.3%
Road ROW	12.268	15.8%
Tracts A*, B*, C, C*, D*, E*, F - I	24.076	30.9%
Total	77.866	100.0%
(Non-open space or future development tracts)		
Tract C* (Future PA) - Deduct	0.256	0.3%
Tract E* (Future ROW) - Deduct	0.000	0.0%
Tract H (Private Alley) - Deduct	0.071	0.1%
Subtotal Parks and Open Space Provided (Incl. Tracts A*, B*, C, C*, D*, F, G, I)		
	23.749	30.5%
Area required for drainage in Tract A	8.659	11.1%
Total Parks and Open Space Provided (Deduct "unusable" portion of Open Space)		
	15.090	19.4%
Total Parks and Open Space Required		
	7.787	10.0%
Excess Parks and Open Space Provided	7.304	9.4%

The new pool facility is intended to serve an area within Barefoot Lakes beyond Filing No. 2, which this location on Barefoot Lakes Parkway facilitates. The building includes fitness, lockers and restrooms, as well as various multi-purpose rooms. It will serve as a community meeting facility and recreation space even when the pool is closed for the season. Additionally, outside of the pool fencing this site will include a multi-purpose court, two pickle ball courts and a large flat lawn for events.

Architecture Design Standards

There are no revisions to the Architectural Design Standards. The Enhanced Elevation Table is revised for lots that have been added and removed. Because it is not a residence, the new pool facility is specifically designed, and the character elevations are included in this Amendment on sheets 19 and 20.

Revisions to the Enhanced Elevation Table:

Revisions to lots, per Barefoot Lakes Filing No. 2 Final Plat:

Lot No.	Enhancement Location		
	Left	Right	Rear
Block 1			
1 - 59			
60			(Lot eliminated)
61			(Lot eliminated)
62			(Lot eliminated)
63			(Lot eliminated)
64			(Lot eliminated)
65			(Lot eliminated)
66			(Lot eliminated)
67			(Lot eliminated)

Lot No.	Enhancement Location		
	Left	Right	Rear
Block 3			
1 - 16			Replaced by Block 2 in Replat

Revisions to lots, per Barefoot Lakes Filing No. 2 Final Plat, Amendment 1:

Lot No.	Enhancement Location		
	Left	Right	Rear
Block 1			
1	X		X
2			X
3		X	X

Lot No.	Enhancement Location		
	Left	Right	Rear
Block 2			
1			X
2			
3			
4			
5			
6			
7	X		
8			
9			
10			X
11			
12			
13			
14			
15			
16	X		
17			
18			

Lot No.	Enhancement Location		
	Left	Right	Rear
Block 3			
1	X		X
2			
3		X	
4			X
5			X
6		X	X

Lot No.	Enhancement Location		
	Left	Right	Rear
Block 4			
1			X
2			X

Water Dedication

The water service to the entire Barefoot Lakes Filing No. 2 Subdivision, including this Amendment, is provided by Little Thompson Water District. The Owner has satisfied the water dedication requirement by a separate agreement with the Water District.

Tract Land Use

The tract use summary has been updated for the entire Filing 2 FDP:

Tract Use Summary Table								
Tract	ORIGINAL FILING Area (ac)	1ST REPLAT Area (sf)	1ST REPLAT Area (ac)	Impervious Area (sf)	% Impervious	Use	Owner	Maintained By
A*	16.887	653,751	15.008	15,136	2%	O, PA	SVLMD	SVLMD
B*	1.770	28,290	0.649	2,329	6%	P, PA	SVLMD	SVLMD
C	3.643			18,668	12%	O, PA	SVLMD	SVLMD
C*		11,131	0.256	0	0%	O, PA	SVLMD	SVLMD
D	13.361			0	0%	FUTURE ROW / DEVELOPMENT	BAREFOOT LLC	BAREFOOT LLC
D*		137,899	3.161	70,899	51%	COMMUNITY FACILITY, PA	SVLMD	SVLMD
E	0.152			6,636	100%	PRIVATE ROAD	SVLMD	SVLMD
E*		71	0.002	0	0%	FUTURE ROW	BAREFOOT LLC	BAREFOOT LLC
F	0.871			2,380	6%	O, PA	SVLMD	SVLMD
G	0.341			0	0%	O, PA	SVLMD	SVLMD
H	0.071			3,080	100%	PRIVATE ALLEY	SVLMD	SVLMD
I	0.074			0	0%	O, PA	SVLMD	SVLMD
Totals*	36.970	830,932	19.076	103,992	13%			

TRACT SUMMARY LEGEND	
O	OPEN SPACE
P	PARK
PA	PEDESTRIAN ACCESS
* INDICATES TRACT INCLUDED IN FILING 2, 1ST REPLAT. IF REPLAT TRACT IS IN A DIFFERENT LOCATION, HAVE INCLUDED IT ON A SECOND LINE.	
* INDICATES AREAS INCLUDED IN THE OVERALL FILING 2 AMENDMENT 1 OPEN SPACE CALCULATIONS (AT LEFT)	

Environmental Impact Mitigation

There are no impacts to delineated wetlands in this Amendment.

Drainage

Drainage improvements for the proposed facilities consist of landscaped swales, roads, storm sewer, and water quality/detention facilities. Improvements will be phased to coincide with each anticipated development phase.

Utilities and Service Requirements

There are no changes to the utilities and service providers with this Amendment. Utilities have been updated and revised according to the changes to the residential lots and the new pool facility.

Parking

Access points and connections to Eagle River Road and Barefoot Lakes Parkway remain unchanged. The new pool facility is accessed off of Lake Terrace Street, and provides for 49 dedicated off-street parking spaces (including 3 accessible spaces). This amounts to 1 space per 157 square feet of building square feet, which is comparable to similar facilities in the region. Furthermore, there are approximately 129 on-street parking spaces available within 600 feet of the facility, and more than 300 on-street parking spaces within 1,000 feet (approximately a 4 minute walk) of the facility. This would provide adequate overflow parking for infrequent large events or swim meets.

Lighting

The overall lighting approach remains unchanged. The new pool facility will have some additional lighting for safety and aesthetics.

Fencing Standards

Fencing standards and details remain unchanged. The fencing plans are adjusted here for the changes to lot perimeters at the neighborhood park and adjacent to the new pool facility. A pool fence detail is added.

Landscape Design Standards

The Landscape Design Standards remain unchanged. Refer to sheets 14-17 for revised landscape planting and materials plans.

Barefoot Lakes Signage Standards

The Signage Standards remain unchanged, with the exception of one new sign type that is added at the new pool facility. Regulatory signage for the parking lot and an identity sign will be added at the new pool facility, as identified on sheet 22. Since the cul-de-sac at the end of Brook Creek Avenue has been removed, it will no longer need a street name and stop sign at the northeast corner of the intersection.

Development Schedule

Filing 2 construction is already underway, based on the recorded FDP and FUP. It is desired that construction of the revised park and amenities in Tract B and new pool facility in Tract D would commence immediately upon approval of this Amendment, and would continue through approximately 2019. (This includes the associated landscape, irrigation, signage and fencing within this Amendment.) The rest of Filing 2 is expected to continue for 2 to 10 years. The FDP expiration date is 12/31/2030.

DESIGNWORKSHOP

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FDP - AMENDMENT NO. 1
BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

DW PROJECT NUMBER: 5311

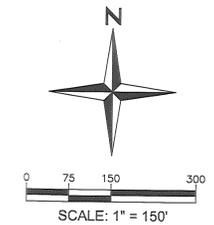
FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

PROJECT NARRATIVE

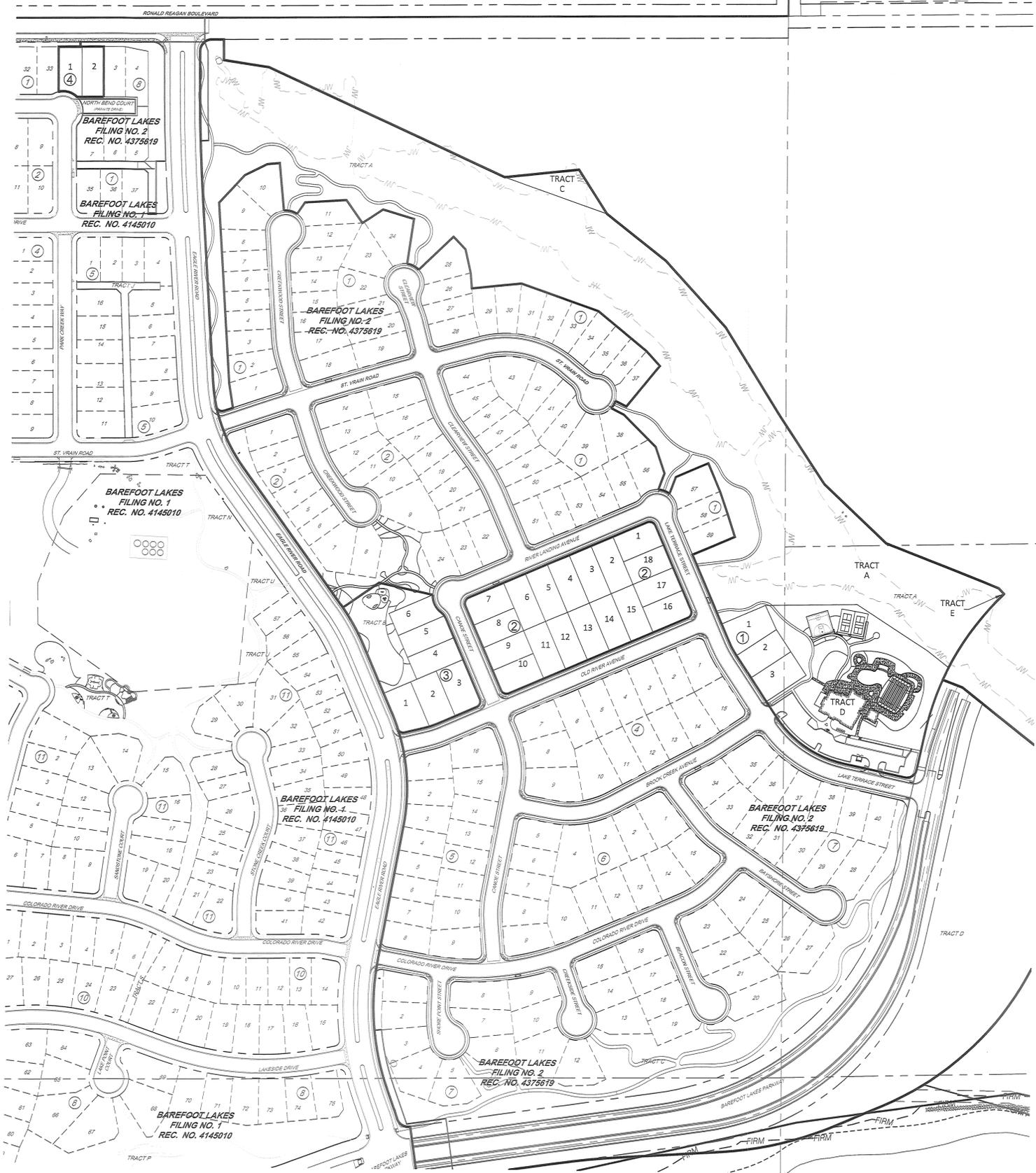
Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
Revision 2:	8.31.2018
Revision 3:	
Sheet	<u>2</u> of <u>36</u>

FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 OVERALL SITE PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 3 of 36



LEGEND

	EXISTING PROPERTY LINE
	EXISTING R.O.W.
	EXISTING LOT LINE
	EXISTING SECTION LINE
	EXISTING ROAD CENTERLINE
	EXISTING EDGE OF PAVEMENT
	EXISTING CURB AND GUTTER
	PROPOSED PROPERTY LINE
	PROPOSED R.O.W.
	PROPOSED LOT LINE
	PROPOSED CURB AND GUTTER (CATCH)
	PROPOSED SIDEWALK
	EXISTING WETLAND LIMITS



FDP - AMENDMENT NO. 1
BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

REDLAND PROJECT NUMBER: 08001.13

FIRESTONE INFORMATION BLOCK

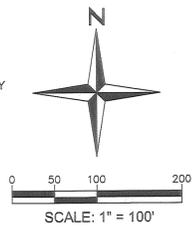
BAREFOOT LAKES

OVERALL SITE PLAN

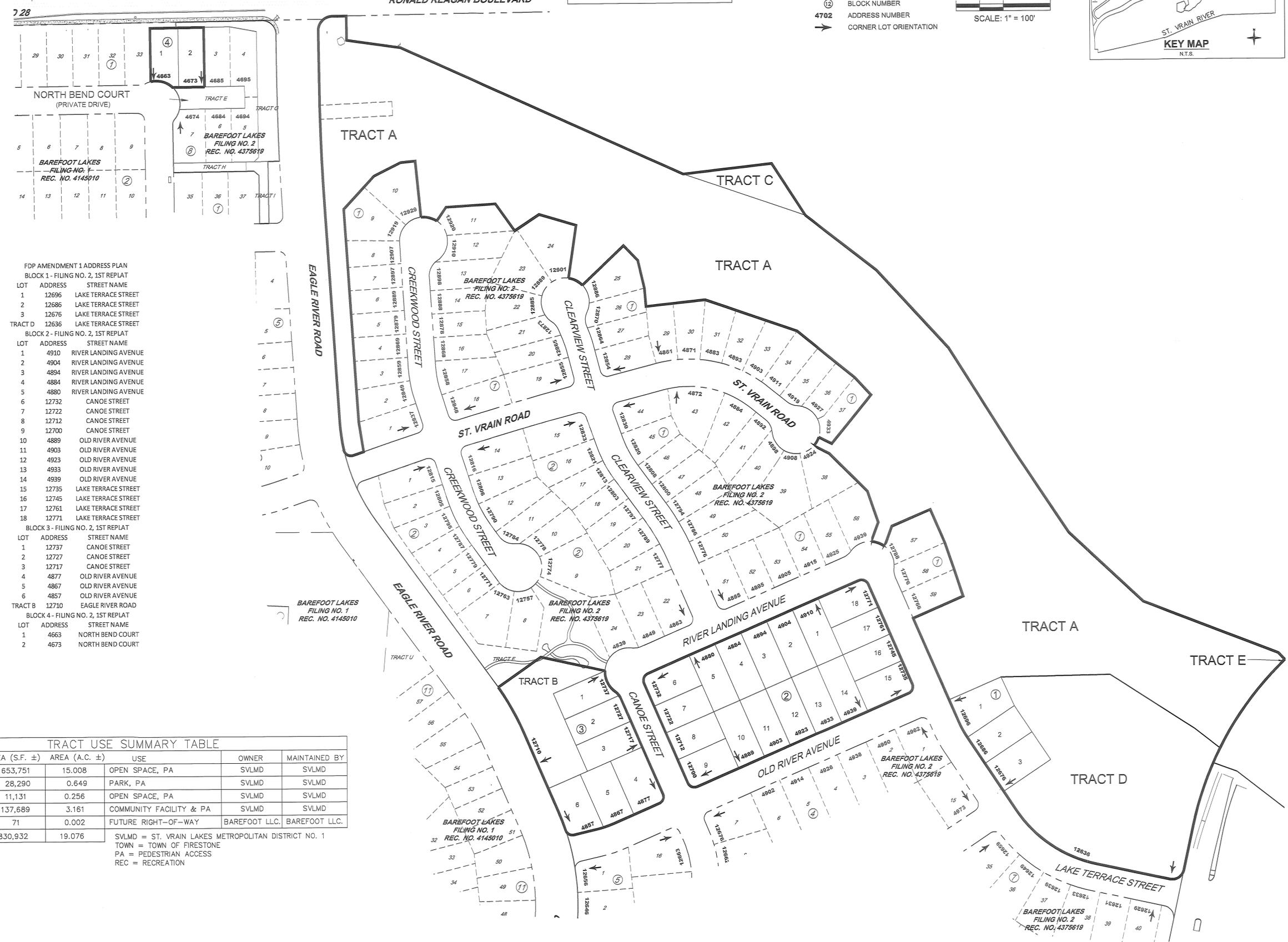
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Revision 3:	
Sheet	3 of 36

FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 TRACT & ADDRESS PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 4 of 36

- LEGEND**
- EXISTING PROPERTY LINE
 - - - EXISTING R.O.W.
 - - - EXISTING LOT LINE
 - - - EXISTING EASEMENT
 - PROPOSED FILING 2 BOUNDARY
 - - - PROPOSED FDP BOUNDARY
 - - - PROPOSED R.O.W.
 - - - PROPOSED LOT LINE
 - 15 LOT NUMBER
 - 12 BLOCK NUMBER
 - 4702 ADDRESS NUMBER
 - CORNER LOT ORIENTATION



**FDP - AMENDMENT NO. 1
 BAREFOOT LAKES FILING NO. 2**
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO



FDP AMENDMENT 1 ADDRESS PLAN

BLOCK 1 - FILING NO. 2, 1ST REPLAT

LOT	ADDRESS	STREET NAME
1	12696	LAKE TERRACE STREET
2	12686	LAKE TERRACE STREET
3	12676	LAKE TERRACE STREET
TRACT D	12636	LAKE TERRACE STREET

BLOCK 2 - FILING NO. 2, 1ST REPLAT

LOT	ADDRESS	STREET NAME
1	4910	RIVER LANDING AVENUE
2	4904	RIVER LANDING AVENUE
3	4894	RIVER LANDING AVENUE
4	4884	RIVER LANDING AVENUE
5	4880	RIVER LANDING AVENUE
6	12732	CANOE STREET
7	12722	CANOE STREET
8	12712	CANOE STREET
9	12700	CANOE STREET
10	4889	OLD RIVER AVENUE
11	4903	OLD RIVER AVENUE
12	4923	OLD RIVER AVENUE
13	4933	OLD RIVER AVENUE
14	4939	OLD RIVER AVENUE
15	12735	LAKE TERRACE STREET
16	12745	LAKE TERRACE STREET
17	12761	LAKE TERRACE STREET
18	12771	LAKE TERRACE STREET

BLOCK 3 - FILING NO. 2, 1ST REPLAT

LOT	ADDRESS	STREET NAME
1	12737	CANOE STREET
2	12727	CANOE STREET
3	12717	CANOE STREET
4	4877	OLD RIVER AVENUE
5	4867	OLD RIVER AVENUE
6	4857	OLD RIVER AVENUE
TRACT B	12710	EAGLE RIVER ROAD

BLOCK 4 - FILING NO. 2, 1ST REPLAT

LOT	ADDRESS	STREET NAME
1	4663	NORTH BEND COURT
2	4673	NORTH BEND COURT

TRACT USE SUMMARY TABLE

TRACT	AREA (S.F. ±)	AREA (A.C. ±)	USE	OWNER	MAINTAINED BY
A	653,751	15.008	OPEN SPACE, PA	SVLMD	SVLMD
B	28,290	0.649	PARK, PA	SVLMD	SVLMD
C	11,131	0.256	OPEN SPACE, PA	SVLMD	SVLMD
D	137,689	3.161	COMMUNITY FACILITY & PA	SVLMD	SVLMD
E	71	0.002	FUTURE RIGHT-OF-WAY	BAREFOOT LLC, BAREFOOT LLC.	
TOTAL	830,932	19.076			

SVLMD = ST. VRRAIN LAKES METROPOLITAN DISTRICT NO. 1
 TOWN = TOWN OF FIRESTONE
 PA = PEDESTRIAN ACCESS
 REC = RECREATION

REDLAND PROJECT NUMBER: 08001.13

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

TRACT & ADDRESS PLAN

Name of application:	Barefoot Lakes Filing No. 2
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Filing #:	2
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Revision 3:	9/28/2018
Sheet	4 of 36

NOTES

- REFER TO BAREFOOT LAKES FILING NO. 2 FDP SHEET 5 FOR BUILDING SETBACKS AND TYPICAL LOT SETBACK DIAGRAMS.

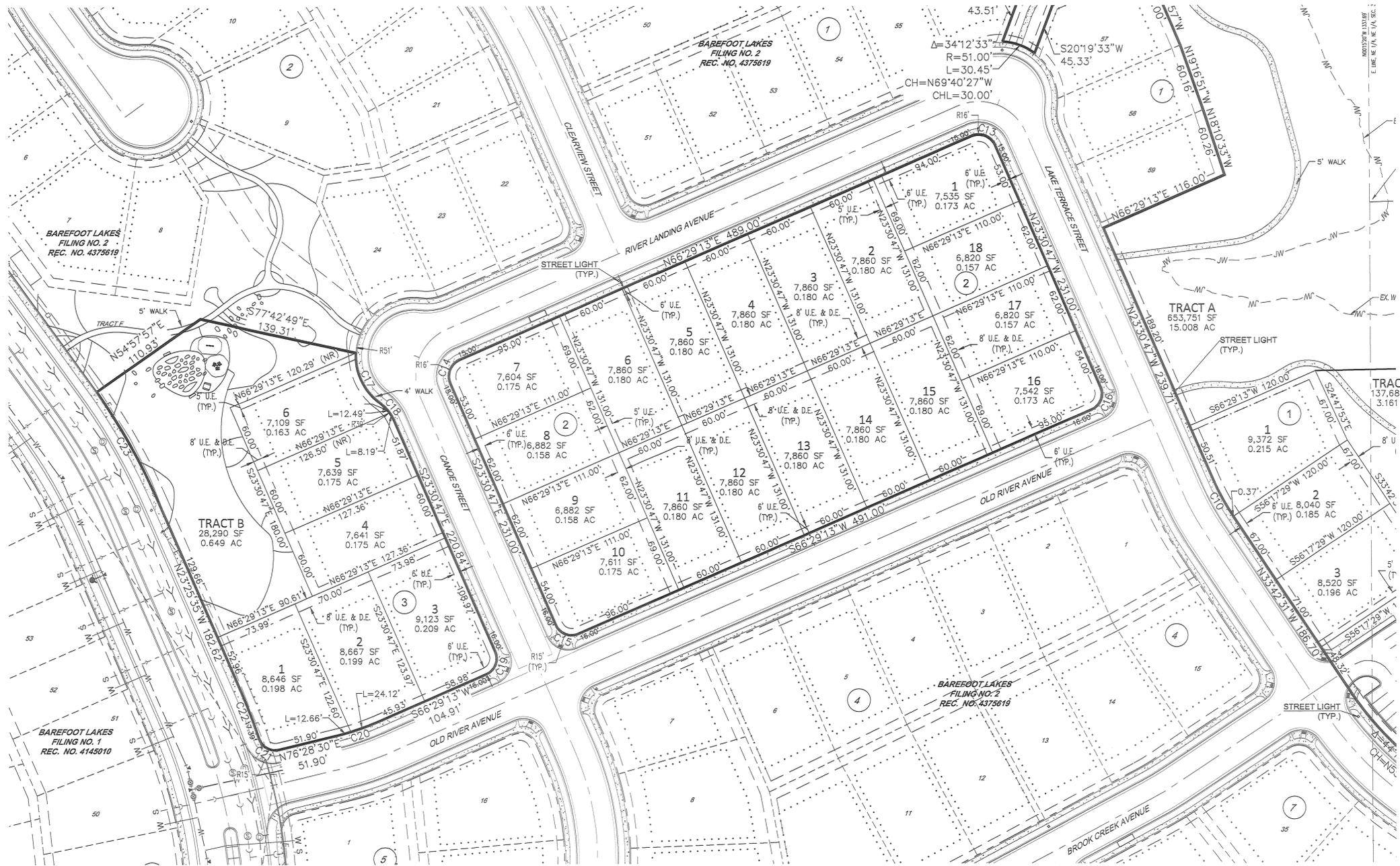
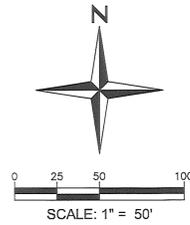
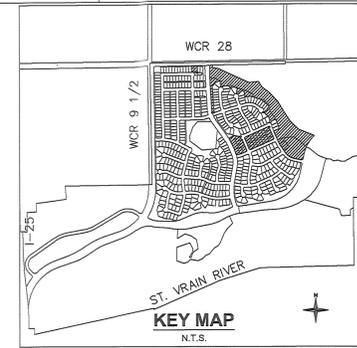
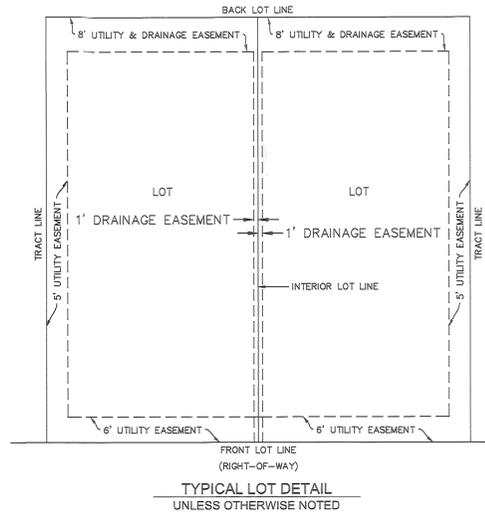
4438318 Pages: 5 of 36
 10/12/2018 02:29 PM R Fee: \$363.00
 Carly Koppe, Clerk and Recorder, Weld County, CO

CURVE TABLE					
CURVE	DELTA	RADIUS	LENGTH	CHD BRG	CHD DIST.
C13	90°00'00"	16.00'	25.13'	N68°30'47"W	22.63'
C14	90°00'00"	16.00'	25.13'	S21°29'13"W	22.63'
C15	90°00'00"	15.00'	23.56'	S68°30'47"E	21.21'
C16	90°00'00"	15.00'	23.56'	N21°29'13"E	21.21'
C17	56°42'15"	51.00'	50.47'	S25°32'17"E	48.44'
C18	30°22'36"	39.00'	20.68'	S38°42'06"E	20.44'
C19	90°00'00"	15.00'	23.56'	S21°29'13"W	21.21'
C20	9°59'17"	211.00'	36.78'	S71°28'51"W	36.74'
C21	85°03'03"	15.00'	22.27'	S60°59'59"E	20.28'
C22	4°57'07"	495.00'	42.78'	N20°57'01"W	42.77'
C23	11°36'28"	545.00'	110.41'	N29°13'49"W	110.22'

LEGEND

- FDP BOUNDARY
- PROPOSED RIGHT-OF-WAY
- PROPOSED LOT LINE
- PROPOSED EASEMENT LINE
- PROPOSED BUILDING SETBACK
- PROPOSED CENTERLINE
- PROPOSED FIRE HYDRANT
- PROPOSED STREET LIGHT
- LOT NUMBER
- BLOCK NUMBER
- EXISTING WETLAND LIMITS

FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 SITE PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 5 of 36



SEE SHEET 6

**FDP - AMENDMENT NO. 1
 BAREFOOT LAKES FILING NO. 2**
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

REDLAND PROJECT NUMBER: 08001.13

**FIRESTONE
 INFORMATION BLOCK**

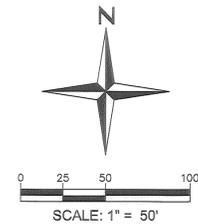
BAREFOOT LAKES

SITE PLAN

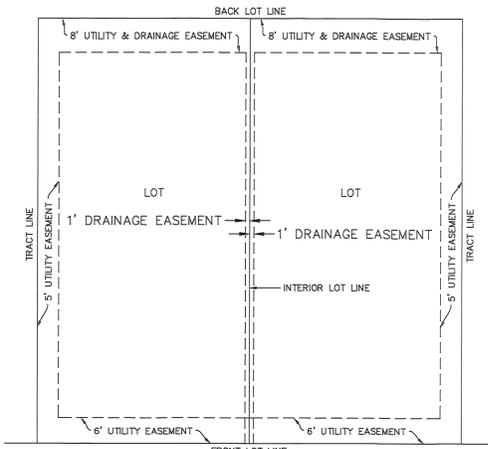
Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3/23/2018
Revision 1:	7/13/2018
Revision 2:	8/31/2018
Revision 3:	9/28/2018
Sheet	5 of 36

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 Carly Koppen, Clerk and Recorder, Weld County, CO

FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 SITE PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 6 of 36

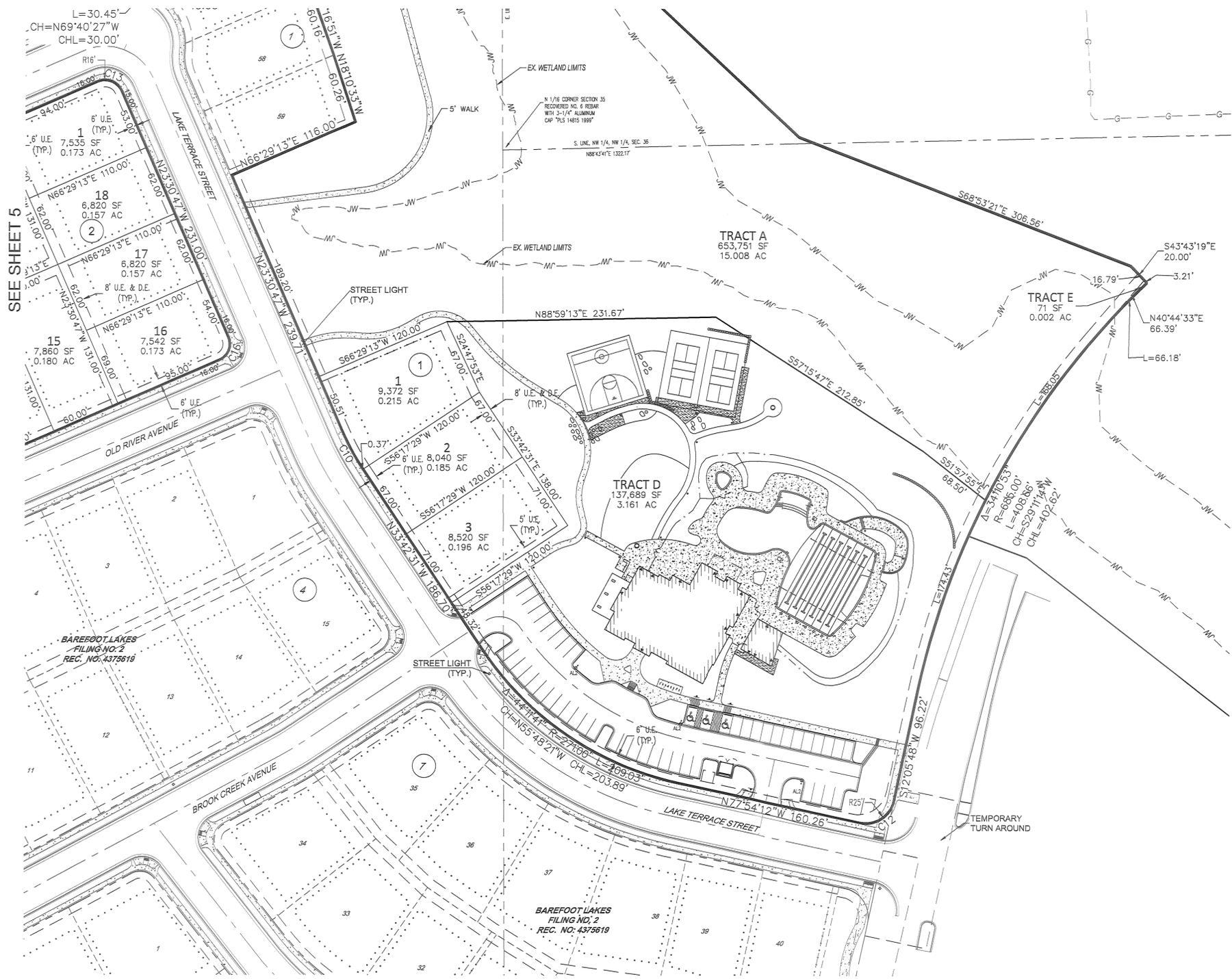


FDP - AMENDMENT NO. 1
BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO



TYPICAL LOT DETAIL
 UNLESS OTHERWISE NOTED

CURVE TABLE					
CURVE	DELTA	RADIUS	LENGTH	CHD BRG	CHD DIST.
C10	107°14'5"	211.00'	37.55'	N28°36'39"W	37.50'
C12	90°00'00"	25.00'	39.27'	S57°05'48"W	35.36'



NOTES

- REFER TO BAREFOOT LAKES FILING NO. 2 FDP SHEET 5 FOR BUILDING SETBACKS AND TYPICAL LOT SETBACK DIAGRAMS.

LEGEND

- FDP BOUNDARY
- PROPOSED RIGHT-OF-WAY
- PROPOSED LOT LINE
- PROPOSED EASEMENT LINE
- PROPOSED BUILDING SETBACK
- PROPOSED CENTERLINE
- PROPOSED FIRE HYDRANT
- PROPOSED STREET LIGHT
- LOT NUMBER
- BLOCK NUMBER
- EXISTING WETLAND LIMITS

REDLAND PROJECT NUMBER: 08001.13

FIRESTONE INFORMATION BLOCK
 BAREFOOT LAKES

SITE PLAN

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3/23/2018
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Revision 3:	9/28/2018
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FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 SITE PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 7 of 36

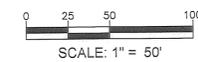
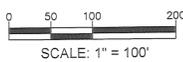
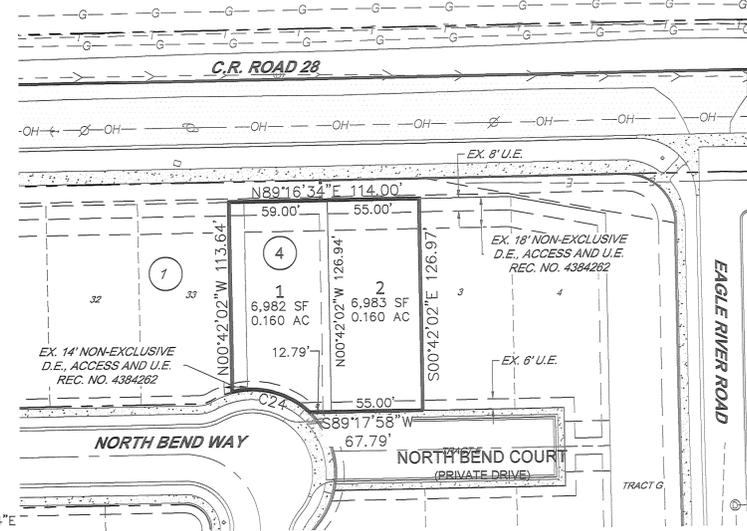
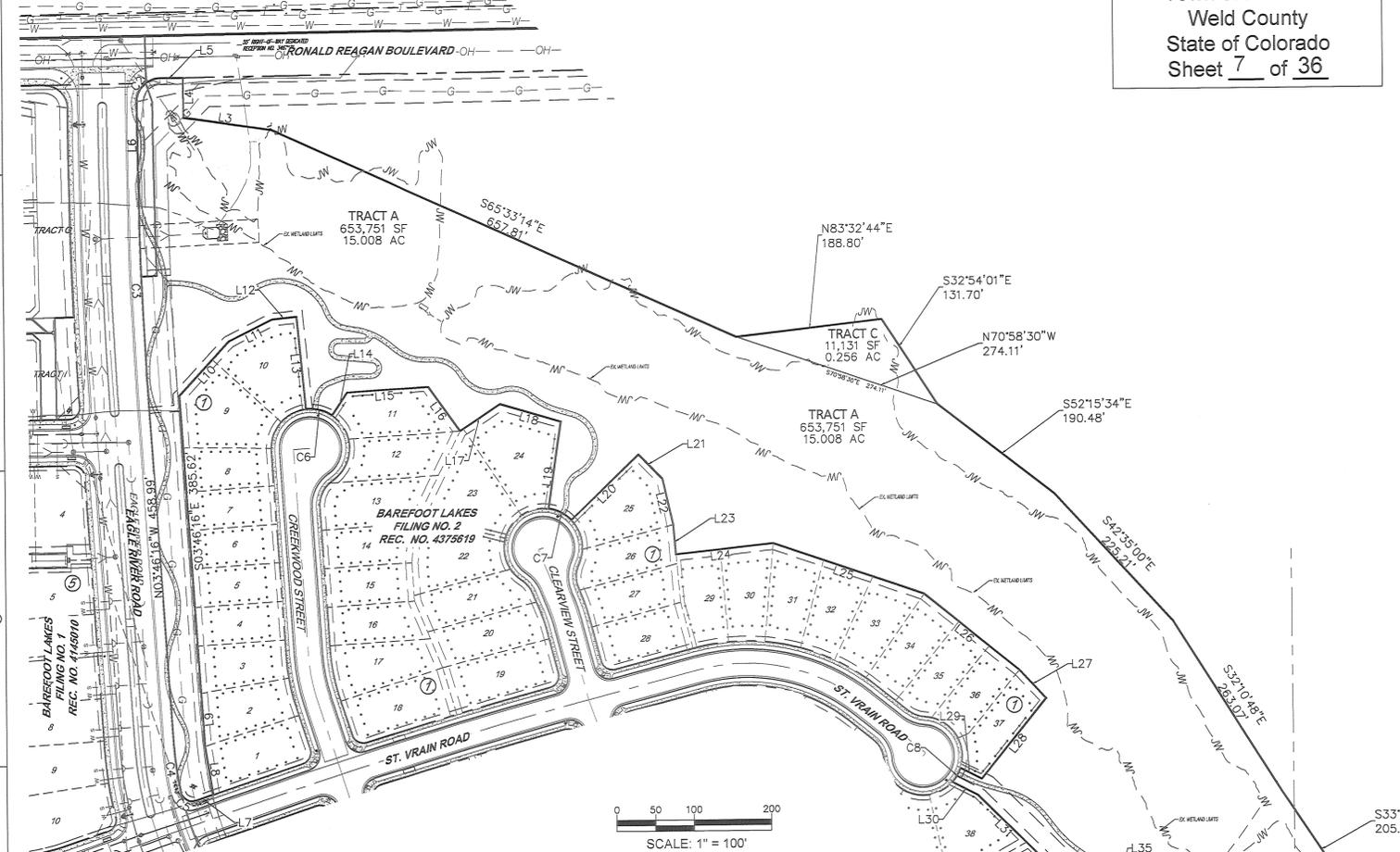
LEGEND

- FDP BOUNDARY
- PROPOSED RIGHT-OF-WAY
- PROPOSED LOT LINE
- PROPOSED EASEMENT LINE
- PROPOSED BUILDING SETBACK
- PROPOSED CENTERLINE
- PROPOSED FIRE HYDRANT
- PROPOSED STREET LIGHT
- LOT NUMBER
- BLOCK NUMBER
- EXISTING WETLAND LIMITS



NOTES

- REFER TO SHEET 5 FOR BUILDING SETBACKS AND TYPICAL LOT SETBACK DIAGRAMS.



CURVE TABLE					
CURVE	DELTA	RADIUS	LENGTH	CHD BRG	CHD DIST.
C1	34°10'53"	685.00'	408.66'	S29°11'14"W	402.62'
C2	85°25'08"	30.00'	44.73'	N41°59'07"E	40.70'
C3	3°02'50"	4955.00'	263.52'	N02°14'51"W	263.49'
C4	8°39'23"	405.00'	61.19'	N08°05'58"W	61.13'
C5	96°28'41"	15.00'	25.26'	N60°40'00"W	22.38'
C6	39°34'18"	51.00'	35.22'	N75°48'10"W	34.53'
C7	37°52'09"	51.00'	33.71'	N62°44'48"W	33.10'
C8	23°48'30"	51.00'	21.19'	N30°05'47"E	21.04'
C9	34°12'33"	51.00'	30.45'	N69°40'27"W	30.00'
C10	10°11'45"	211.00'	37.55'	N28°36'39"W	37.50'
C11	44°11'41"	271.00'	209.03'	N55°48'21"W	203.89'
C12	90°00'00"	25.00'	39.27'	S57°05'48"W	35.36'
C13	90°00'00"	16.00'	25.13'	N88°30'47"W	22.63'
C14	90°00'00"	16.00'	25.13'	S21°29'13"W	22.63'
C15	90°00'00"	15.00'	23.56'	S68°30'47"E	21.21'
C16	90°00'00"	15.00'	23.56'	N21°29'13"E	21.21'
C17	56°42'15"	51.00'	50.47'	S25°32'17"E	48.44'
C18	30°22'36"	39.00'	20.68'	S58°42'06"E	20.44'
C19	90°00'00"	15.00'	23.56'	S21°29'13"W	21.21'
C20	9°59'17"	211.00'	36.78'	S71°28'51"W	36.74'
C21	85°03'03"	15.00'	22.27'	S60°59'59"E	20.28'
C22	5°01'34"	495.00'	42.78'	N20°57'01"W	42.77'
C23	11°36'28"	545.00'	110.41'	N29°13'49"W	110.22'
C24	57°28'27"	50.00'	50.16'	N74°40'21"W	48.08'

LINE TABLE		
LINE	BEARING	LENGTH
L1	S12°05'48"W	96.22'
L2	S4°34'19"E	20.00'
L3	S81°38'23"E	115.49'
L4	S00°43'40"E	51.81'
L5	N89°16'20"E	32.40'
L6	N00°43'26"W	111.66'
L7	S71°05'40"W	23.58'
L8	S09°16'20"E	63.61'
L9	S03°47'13"E	68.80'
L10	S42°33'42"W	95.07'
L11	S63°29'11"W	63.15'
L12	S84°24'40"W	31.58'
L13	N05°35'20"W	120.00'
L14	S33°58'59"W	35.23'
L15	S86°13'44"W	105.05'
L16	N35°21'09"W	70.43'
L17	S66°28'09"W	62.31'
L18	N73°31'08"W	81.75'
L19	S08°19'08"W	113.67'
L20	S46°11'17"W	121.14'
L21	N43°48'43"W	44.04'
L22	N13°01'02"W	60.66'
L23	N04°56'58"W	38.76'
L24	S83°58'26"W	126.35'
L25	N70°52'57"W	206.28'
L26	N50°59'04"W	157.51'
L27	N42°44'20"W	50.52'

LINE TABLE		
LINE	BEARING	LENGTH
L28	N39°00'56"E	132.96'
L29	S63°26'37"E	30.90'
L30	N63°26'37"W	36.35'
L31	N45°16'03"W	114.11'
L32	N19°06'32"W	70.42'
L33	N20°19'33"E	43.51'
L34	S20°19'33"W	45.33'
L35	S66°29'13"W	89.02'
L36	N23°16'57"W	77.00'
L37	N19°16'51"W	60.16'
L38	N18°10'33"W	60.26'
L39	N66°29'13"E	116.00'
L40	N23°30'47"W	239.71'
L41	N33°42'31"W	166.70'
L42	N77°54'12"W	106.26'
L43	N23°30'47"W	231.00'
L44	S23°30'47"E	231.00'
L45	S77°42'49"E	139.31'
L46	S23°30'47"E	220.84'
L47	S66°29'13"W	104.91'
L48	N78°28'30"E	51.90'
L49	N23°25'35"W	182.62'
L50	N54°57'57"E	110.93'
L51	S89°17'58"W	67.79'
L52	S00°42'02"E	126.97'
L53	N89°16'34"E	114.00'
L54	N00°42'02"W	113.64'



FDP - AMENDMENT NO. 1
BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

REDLAND PROJECT NUMBER: 08001.13

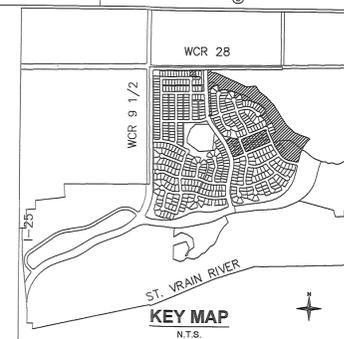
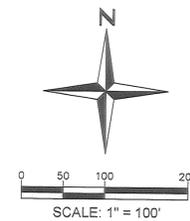
FIRESTONE INFORMATION BLOCK
BAREFOOT LAKES

SITE PLAN

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3/23/2018
Revision 1:	7/13/2018
Revision 2:	8/31/2018
Revision 3:	9/28/2018
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FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 TRACT, UTILITY, AND PHASING PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 8 of 36

NOTE:
 1. REFER TO LANDSCAPE PHASING PLANS
 PREPARED BY DESIGN WORKSHOP (THIS
 SET) FOR LANDSCAPE AND TRACT TRAIL
 PHASING.



FDP - AMENDMENT NO. 1
BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

TRACT	AREA (S.F. ±)	AREA (A.C. ±)	USE	OWNER	MAINTAINED BY
A	653,751	15.008	OPEN SPACE, PA	SVLMD	SVLMD
B	28,290	0.649	PARK, PA	SVLMD	SVLMD
C	11,131	0.256	OPEN SPACE, PA	SVLMD	SVLMD
D	137,689	3.161	COMMUNITY FACILITY & PA	SVLMD	SVLMD
E	71	0.002	FUTURE RIGHT-OF-WAY	BAREFOOT LLC.	BAREFOOT LLC.
TOTAL	830,932	19.076			

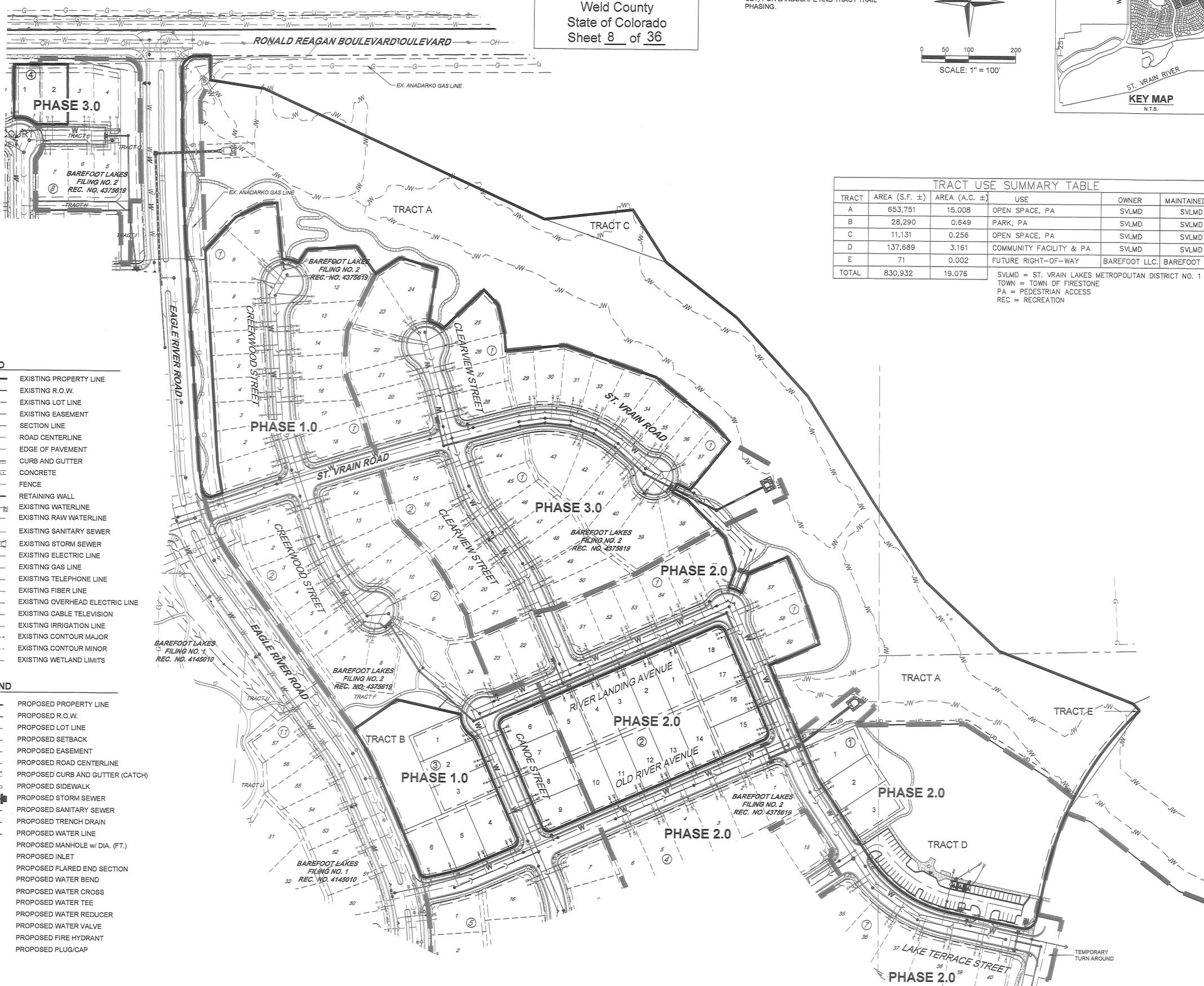
SVLMD = ST. VRAIN LAKES METROPOLITAN DISTRICT NO. 1
 TOWN = TOWN OF FIRESTONE
 PA = PEDESTRIAN ACCESS
 REC = RECREATION

EXISTING LEGEND

- — — — — EXISTING PROPERTY LINE
- — — — — EXISTING R.O.W.
- — — — — EXISTING LOT LINE
- - - - - EXISTING EASEMENT
- - - - - SECTION LINE
- — — — — ROAD CENTERLINE
- — — — — EDGE OF PAVEMENT
- — — — — CURB AND GUTTER
- — — — — CONCRETE
- X - FENCE
- — — — — RETAINING WALL
- — — — — EXISTING WATERLINE
- — — — — EXISTING RAW WATERLINE
- — — — — EXISTING SANITARY SEWER
- — — — — EXISTING STORM SEWER
- — — — — EXISTING ELECTRIC LINE
- — — — — EXISTING GAS LINE
- — — — — EXISTING TELEPHONE LINE
- — — — — EXISTING FIBER LINE
- — — — — EXISTING OVERHEAD ELECTRIC LINE
- — — — — EXISTING CABLE TELEVISION
- — — — — EXISTING IRRIGATION LINE
- — — — — EXISTING CONTOUR MAJOR
- — — — — EXISTING CONTOUR MINOR
- — — — — EXISTING WETLAND LIMITS

PROPOSED LEGEND

- — — — — PROPOSED PROPERTY LINE
- — — — — PROPOSED R.O.W.
- — — — — PROPOSED LOT LINE
- — — — — PROPOSED SETBACK
- - - - - PROPOSED EASEMENT
- — — — — PROPOSED ROAD CENTERLINE
- — — — — PROPOSED CURB AND GUTTER (CATCH)
- — — — — PROPOSED SIDEWALK
- — — — — PROPOSED STORM SEWER
- — — — — PROPOSED SANITARY SEWER
- — — — — PROPOSED TRENCH DRAIN
- — — — — PROPOSED WATER LINE
- — — — — PROPOSED MANHOLE w/ DIA. (FT.)
- — — — — PROPOSED INLET
- — — — — PROPOSED FLARED END SECTION
- — — — — PROPOSED WATER BEND
- — — — — PROPOSED WATER CROSS
- — — — — PROPOSED WATER TEE
- — — — — PROPOSED WATER REDUCER
- — — — — PROPOSED WATER VALVE
- — — — — PROPOSED FIRE HYDRANT
- — — — — PROPOSED PLUG/CAP



REDLAND PROJECT NUMBER: 08001.13

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

TRACT, UTILITY, AND PHASING PLAN

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3/23/2018
Revision 1:	7/13/2018
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Sheet	8 of 36

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 Carly Kosmos, Clerk and Recorder, Weld County, CO

FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 LANDSCAPE PHASING
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 9 of 34

DESIGNWORKSHOP

Landscape Architecture • Land Planning
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 Asheville • Aspen • Austin • Denver
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1390 Lawrence Street, Suite 100
 Denver, CO 80204-2048
 (303) 623-5186
 Facsimile (303) 623-2260

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**FDP - AMENDMENT NO. 1
 BAREFOOT LAKES FILING NO. 2**
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

DW PROJECT NUMBER: 5311

**FIRESTONE
 INFORMATION BLOCK**

BAREFOOT LAKES

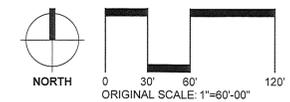
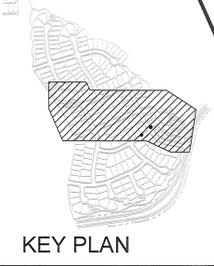
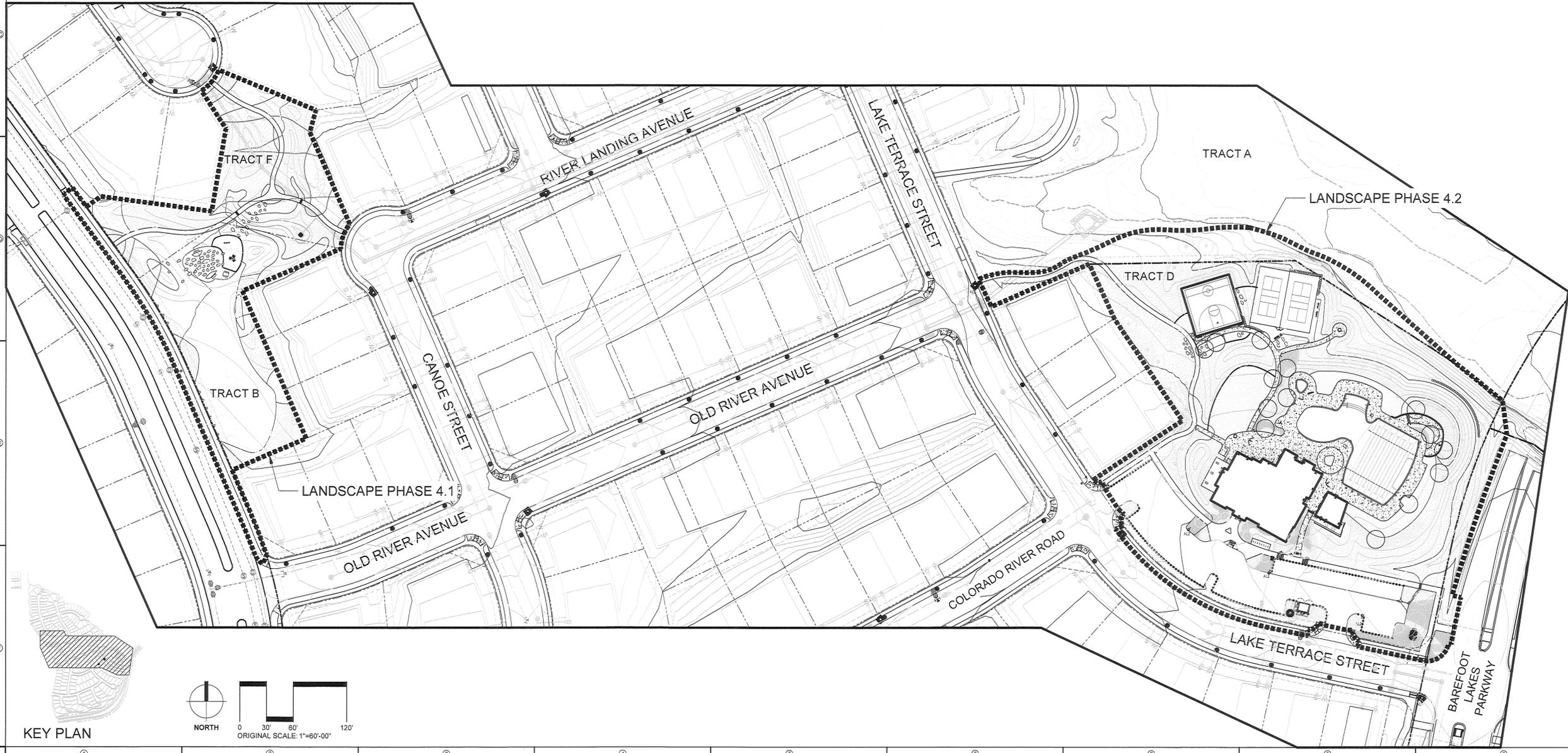
**LANDSCAPE
 PHASING**

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
Revision 2:	8.31.2018
Revision 3:	
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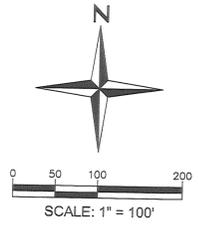
LEGEND

- PROPERTY LINE
- LANDSCAPE LIMIT OF WORK
- LIMITS OF LANDSCAPE PHASING
- - - - JURISDICTIONAL WETLAND



Jul 16, 2018, 7:58am
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FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 GRADING AND DRAINAGE PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 10 of 36



EXISTING LEGEND	
	EXISTING PROPERTY LINE
	EXISTING R.O.W.
	EXISTING LOT LINE
	EXISTING EASEMENT
	SECTION LINE
	ROAD CENTERLINE
	EDGE OF PAVEMENT
	CURB AND GUTTER CONCRETE
	FENCE
	RETAINING WALL
	EXISTING WATERLINE
	EXISTING RAW WATERLINE
	EXISTING SANITARY SEWER
	EXISTING STORM SEWER
	EXISTING ELECTRIC LINE
	EXISTING GAS LINE
	EXISTING TELEPHONE LINE
	EXISTING FIBER LINE
	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING CABLE TELEVISION
	EXISTING IRRIGATION LINE
	EXISTING CONTOUR MAJOR
	EXISTING CONTOUR MINOR
	EXISTING WETLAND LIMITS

PROPOSED LEGEND	
	PROPOSED FDP BOUNDARY
	PROPOSED R.O.W.
	PROPOSED LOT LINE
	PROPOSED SETBACK
	PROPOSED EASEMENT
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	PROPOSED FLARED END SECTION
	PROPOSED RETAINING WALL
	PROPOSED CONTOUR MAJOR
	PROPOSED CONTOUR MINOR

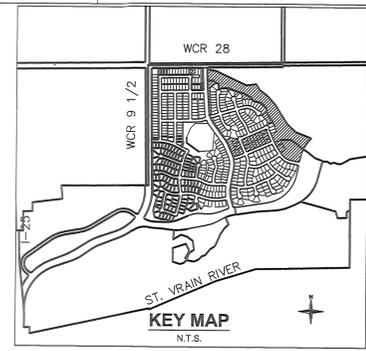
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 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

REDLAND PROJECT NUMBER: 08001.13

FIRESTONE INFORMATION BLOCK
BAREFOOT LAKES
GRADING AND DRAINAGE PLAN

Name of application:	Barefoot Lakes Filing No. 2
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Filing #:	2
Phase #:	
Submittal 1:	3/23/2018
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Revision 3:	
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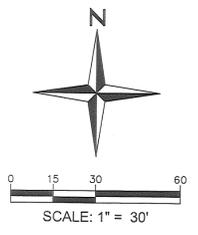
FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 GRADING AND DRAINAGE PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 11 of 36



FDP - AMENDMENT NO. 1
BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO



- EXISTING LEGEND**
- EXISTING PROPERTY LINE
 - EXISTING R.O.W.
 - EXISTING LOT LINE
 - EXISTING EASEMENT
 - SECTION LINE
 - ROAD CENTERLINE
 - EDGE OF PAVEMENT
 - CURB AND GUTTER
 - CONCRETE
 - X - FENCE
 - RETAINING WALL
 - EXISTING WATERLINE
 - RW — EXISTING RAW WATERLINE
 - SS — EXISTING SANITARY SEWER
 - STS — EXISTING STORM SEWER
 - E — EXISTING ELECTRIC LINE
 - G — EXISTING GAS LINE
 - T — EXISTING TELEPHONE LINE
 - FOGA — EXISTING FIBER LINE
 - OH — EXISTING OVERHEAD ELECTRIC LINE
 - CATV — EXISTING CABLE TELEVISION
 - IRR — EXISTING IRRIGATION LINE
 - EXISTING CONTOUR MAJOR
 - EXISTING CONTOUR MINOR
 - JW — EXISTING WETLAND LIMITS
- PROPOSED LEGEND**
- PROPOSED FDP BOUNDARY
 - PROPOSED R.O.W.
 - PROPOSED LOT LINE
 - PROPOSED SETBACK
 - PROPOSED EASEMENT
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 - PROPOSED TRENCH DRAIN
 - PROPOSED MANHOLE w/ DIA. (FT.)
 - PROPOSED INLET
 - PROPOSED FLARED END SECTION
 - PROPOSED RETAINING WALL
 - 5281 — PROPOSED CONTOUR MAJOR
 - 5280 — PROPOSED CONTOUR MINOR



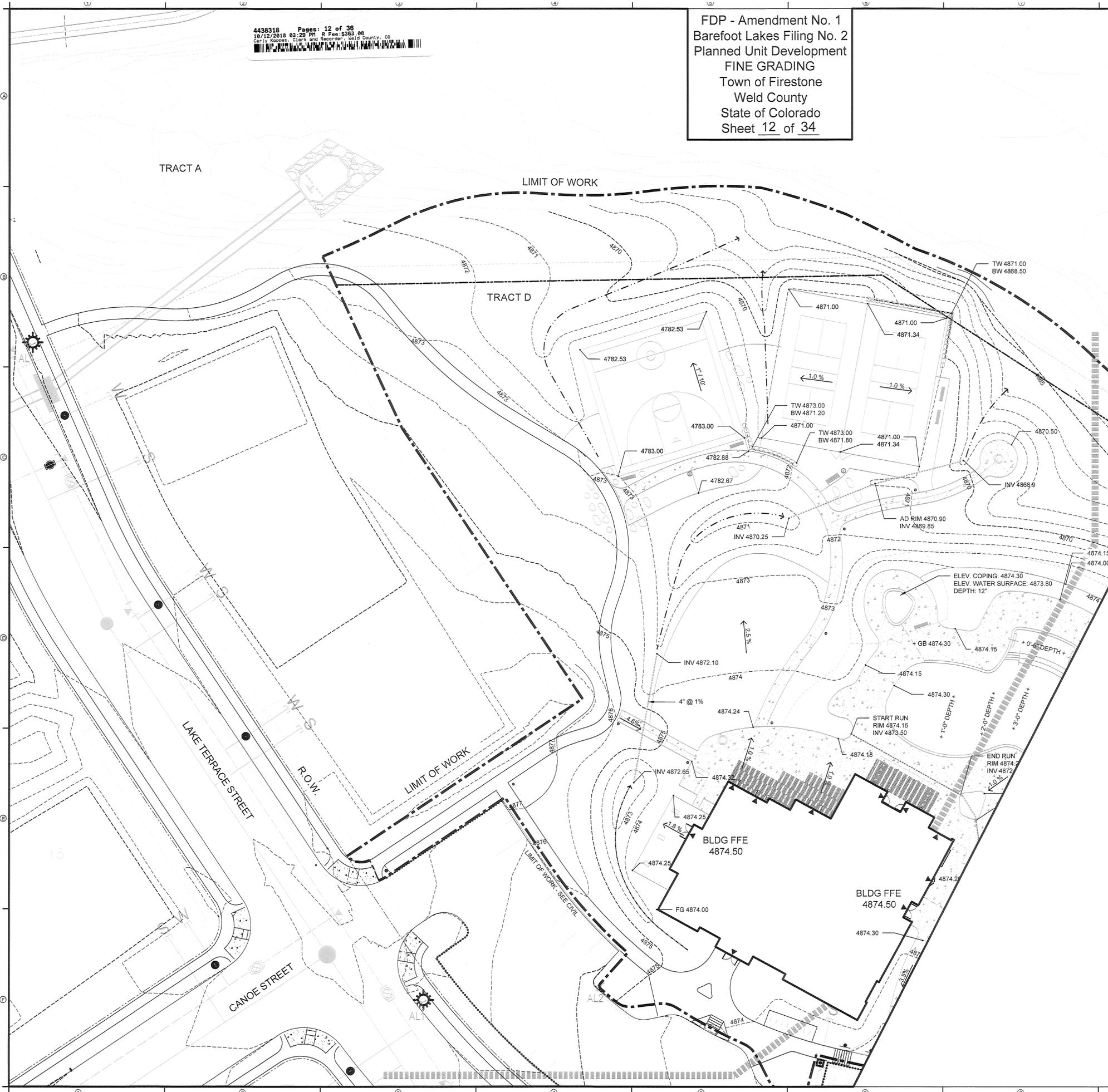
REDLAND PROJECT NUMBER: 08001.13

FIRESTONE INFORMATION BLOCK
 BAREFOOT LAKES
 GRADING AND DRAINAGE PLAN

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Sheet	11 of 36

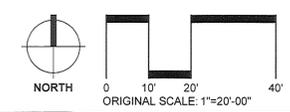
FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 FINE GRADING
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 12 of 34

FDP - AMENDMENT NO. 1
BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO



LEGEND

- PROPERTY LINE
- - - LANDSCAPE LIMIT OF WORK
- ▨ MATCHLINE
- JURISDICTIONAL WETLAND
- - - DRAIN PIPE
- TRENCH DRAIN
- MAJOR CONTOUR
- MINOR CONTOUR



DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

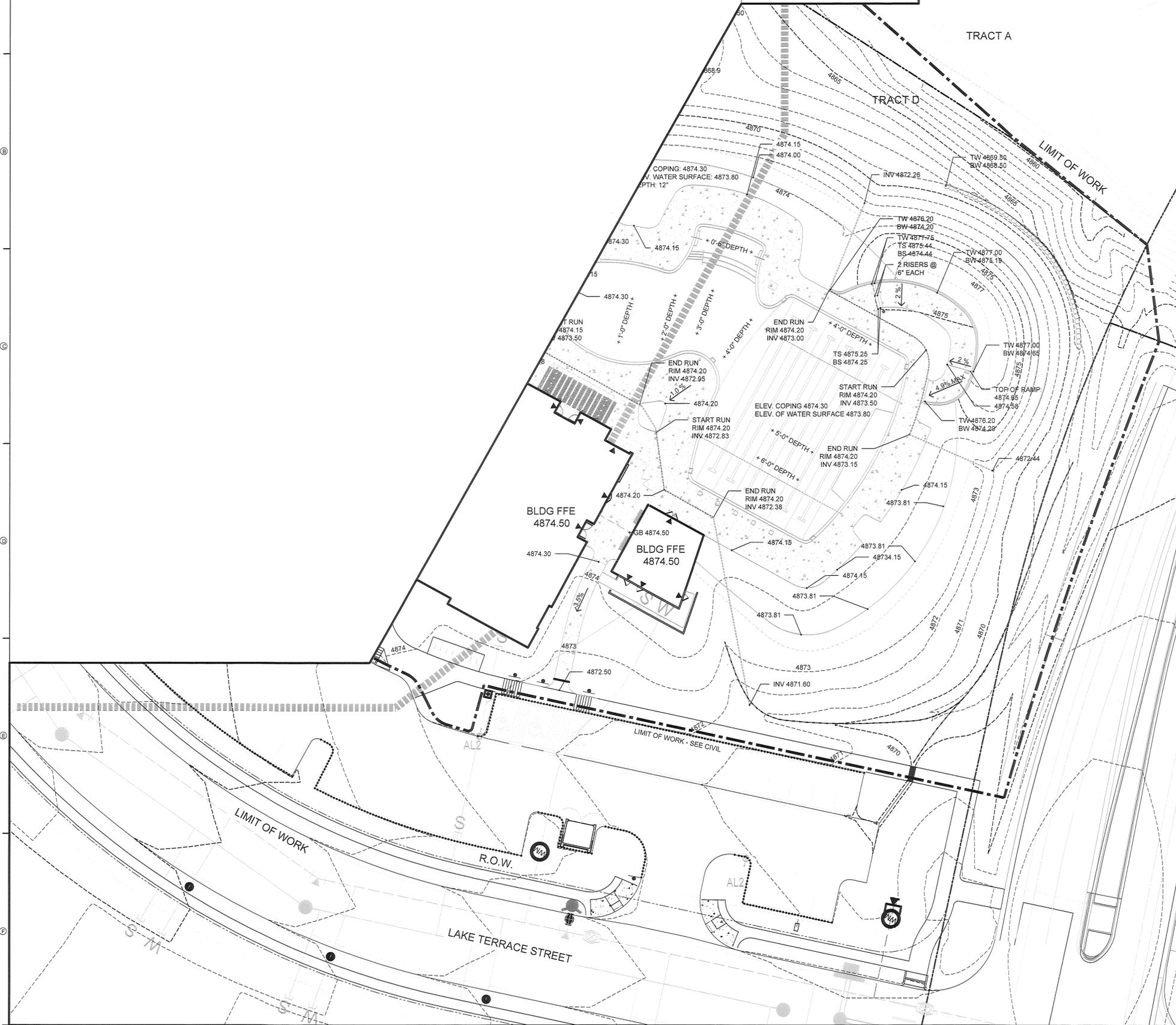
BAREFOOT LAKES

FINE GRADING

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
Revision 2:	8.31.2018
Revision 3:	
Sheet	12 of 36

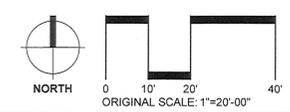
FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 FINE GRADING
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 13 of 34

FDP - AMENDMENT NO. 1
 BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO



LEGEND

- PROPERTY LINE
- LANDSCAPE LIMIT OF WORK
- MATCHLINE
- JURISDICTIONAL WETLAND
- DRAIN PIPE
- TRENCH DRAIN
- MAJOR CONTOUR
- MINOR CONTOUR



DW PROJECT NUMBER: 5311

**FIRESTONE
 INFORMATION BLOCK**

BAREFOOT LAKES

FINE GRADING

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FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
PLANTING
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 14 of 34

4438318 Pages: 14 of 36
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 Carly Kopas, Clerk and Recorder, Weld County, CO

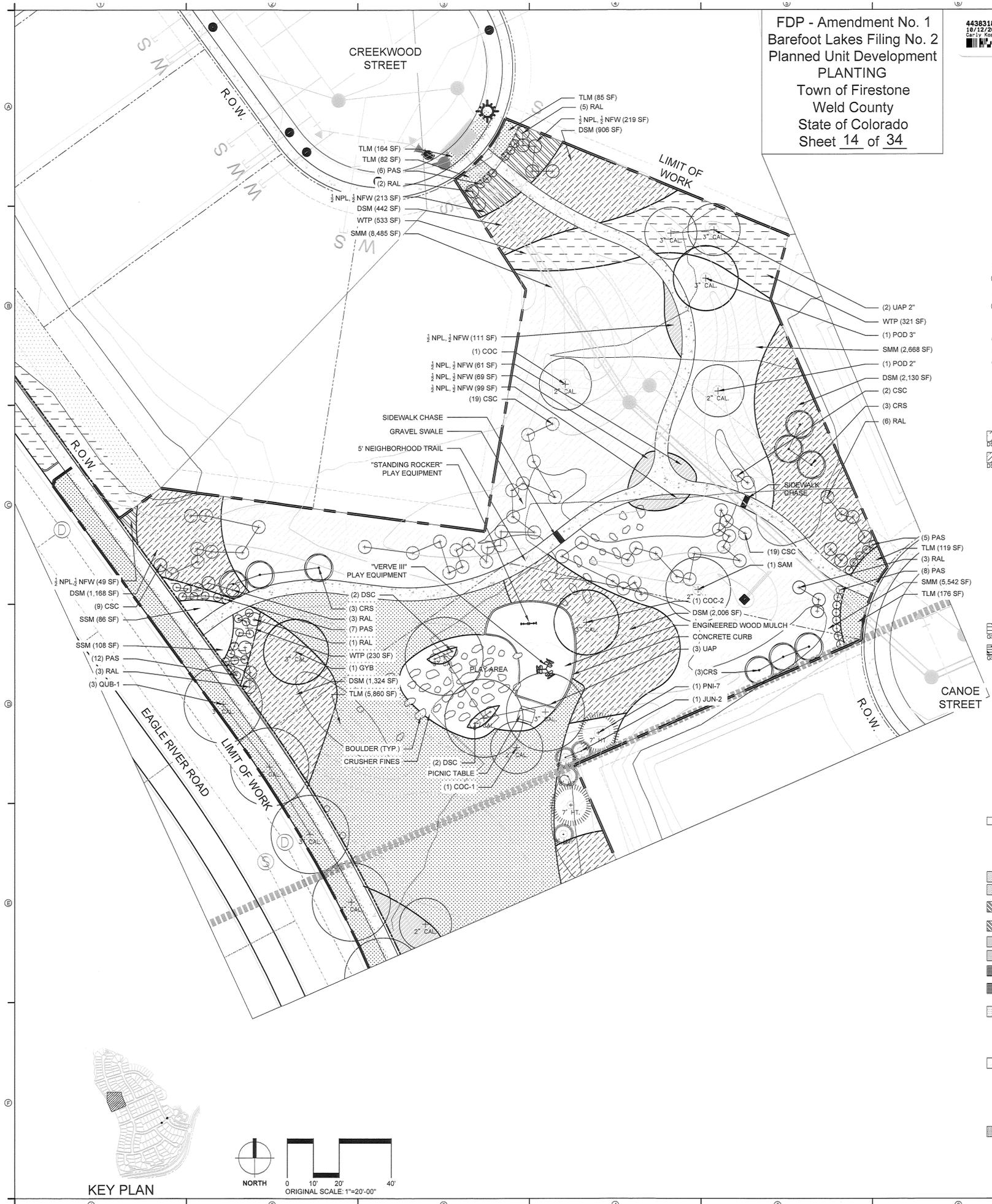
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SITE KEYNOTES:

DETAIL / SHEET	RELATED DETAIL(S)
9.0	PLANTING AND LANDSCAPE
9.1	Deciduous Tree Planting 1 / L.37
9.2	Deciduous Multi-Trunk Tree Planting 2 / L.37
9.3	Shrub Planting 1 / L.38
9.4	Evergreen Tree Planting 2 / L.38
9.5	Ground Cover Planting 3 / L.37
9.6	Lawn 5 / L.38
9.7	Plant Spacing 5 / L.37
9.8	Perennial Planting 4 / L.37
9.9	Clump Grass Planting 4 / L.38
9.10	Native Shrub Stand Modules 3 / L.38

MASTER PLANT LIST

Abbreviation/Groupings	Scientific Name	Common Name	Size	Spacing	Detail	Notes
Trees						
CAT-2	<i>Catalpa speciosa</i>	Catalpa	2" CAL			
CAT-3	<i>Catalpa speciosa</i>	Catalpa	3" CAL			
COC-2	<i>Corylus colurna</i>	Turkish Filbert	2" CAL			
COC-3	<i>Corylus colurna</i>	Turkish Filbert	3" CAL			
CRS	<i>Malus 'Spring Snow'</i>	Spring Snow Crabapple	2" CAL			
GYB-2	<i>Ginkgo biloba 'Autumn Gold'</i>	Autumn Gold Ginkgo	2" CAL			
GYB-3	<i>Ginkgo biloba 'Autumn Gold'</i>	Autumn Gold Ginkgo	3" CAL			
JUN-2	<i>Juniperus scopulorum 'Wichita Blue'</i>	Wichita Blue Juniper	8" HT.			
PNI-7	<i>Pinus nigra</i>	Austrian Pine	7" HT.			
PNI-8	<i>Pinus nigra</i>	Austrian Pine	8" HT.			
POD-2	<i>Populus deltoides 'Siouxland'</i>	Cottonless Eastern Cottonwood	2" CAL			
POD-3	<i>Populus deltoides 'Siouxland'</i>	Cottonless Eastern Cottonwood	3" CAL			
PYP	<i>Pinus edulis</i>	Pinyon Pine	8" HT.			
PYC	<i>Pyrus calleryana 'Cleveland Select'</i>	Cleveland Select Pear	2" CAL			
UAV	<i>Ulmus americana 'Valley Forge'</i>	Valley Forge Elm	3" CAL			
UAP	<i>Ulmus americana 'Princeton'</i>	Princeton Elm	2" CAL			
SAM	<i>Salix amygdaloides</i>	Peachleaf Willow	2" CAL			
Shrubs						
DSM-1 OR DSM-2	<i>Chrysothamnus nauseosus</i>	Rubber Rabbit Brush	1 Gal	5' min	9.4	Mix: ref 1/L10-4
DSM-1 OR DSM-2	<i>Chrysothamnus nauseosus</i>	Rubber Rabbit Brush	5 Gal	5' min	9.4	Mix: ref 1/L10-4
DSM-1 OR DSM-2	<i>Atriplex canescens</i>	Four Wing Salt Bush	1 Gal	5' min	9.4	Mix: ref 1/L10-4
DSM-1 OR DSM-2	<i>Atriplex canescens</i>	Four Wing Salt Bush	5 Gal	5' min	9.4	Mix: ref 1/L10-4
DSM-1 OR DSM-2	<i>Pyscparcus monogynus</i>	Moutain Ninebark	3 Gal	5' min	9.4	Mix: ref 1/L10-4
DSM-1 OR DSM-2	<i>Rhus trilobata</i>	Three Leaf Sumac	5 gal	4' o.c.	9.4	Mix: ref 1/L10-4
DSM-1 OR DSM-2	<i>Rhus trilobata</i>	Three Leaf Sumac	3 Gal	4' o.c.	9.4	Mix: ref 1/L10-4
DSM-1 OR DSM-2	<i>Yucca sp.</i>	Yucca	1 Gal	5' min	9.4	Mix: ref 1/L10-4
CSC	<i>Cornus sericea 'Cardinal'</i>	Red Twig Dogwood	5 Gal		9.4	Mix: ref 1/L10-5
DSC	<i>Diervilla sessilifolia 'Cool Splash'</i>	Cool Splash Dwarf Bush Honeysuckle	5 Gal		9.4	Mix: ref 1/L10-6
RAL	<i>Rhus aromatica 'Gro-Low'</i>	Gro-Low Fragrant Sumac	5 Gal	4' o.c.	9.4	Mix: ref 1/L10-7
JCA	<i>Juniperus communis 'Alpine Carpet'</i>	Carpet Juniper	3 Gal	4'-6'	9.4	Mix: ref 1/L10-8
GSM-1 OR GSM-2	<i>Berberis thunbergii 'Monomb'</i>	Cherry Bomb Barberry	5 Gal	Per Plan	9.4	Mix: ref 1/L10-9
GSM-1 OR GSM-2	<i>Chrysanthemum x hybridum '95-169-8'</i>	Mammoth Daisy (Chrysanthemum)	5 Gal	Per Plan	9.4	Mix: ref 1/L10-10
GSM-1 OR GSM-2	<i>Cornus sericea 'Isanti'</i>	Isanti Dogwood	5 Gal	Per Plan	9.4	Mix: ref 1/L10-11
GSM-1 OR GSM-2	<i>Diervilla sessilifolia 'Cool Splash'</i>	Cool Splash Dwarf Bush Honeysuckle	5 Gal	Per Plan	9.4	Mix: ref 1/L10-12
GSM-1 OR GSM-2	<i>Juniperus sabina 'Broadmoor'</i>	Broadmoor Juniper	5 Gal	Per Plan	9.4	Mix: ref 1/L10-13
GSM-1 OR GSM-2	<i>Prunus besseyi 'Pawnee Buttes'</i>	Pawnee Buttes Sand Cherry	5 Gal	Per Plan	9.4	Mix: ref 1/L10-14
GSM-1 OR GSM-2	<i>Spiraea x bumalda 'Denistar'</i>	Superstar Spiraea	5 Gal	Per Plan	9.4	Mix: ref 1/L10-15
GSM-1 OR GSM-2	<i>Symphoricarpos x chenaulti 'Hancock'</i>	Hancock Coralberry	5 Gal	Per Plan	9.4	Mix: ref 1/L10-16
Grasses (Ornamental)						
CKF	<i>Calamagrostis x acutiflora 'Karl Foerster'</i>	Feather Reed Grass	1 Gal	4' o.c.	9.7	
Perennials						
PAS	<i>Perovskia atriplicifolia</i>	Russian Sage	3 Gal	30" o.c.	9.8	Per Plan
SNC	<i>Salvia nemorosa 'Caradonna'</i>	Cardonna Salvia	1 Gal	24" o.c.	9.8	Triangular spacing
SSM	<i>Salvia sylvestris x 'Mainact'</i>	May Night Salvia	1 Gal	24" o.c.	9.8	Triangular spacing
NPL	<i>Nepeta 'Psfike'</i>	Little Trudy Catmint	F 15	18" o.c.	9.8	Qty per Flat; Triangular spacing
NFW	<i>Nepeta faassenii 'Walker's Low'</i>	Walker's Low Catmint	1 Gal	30" o.c.	9.8	Triangular spacing
ECH	<i>Echinacea purpurea</i>	Eastern Purple Coneflower	1 Gal	30" o.c.	9.8	Triangular spacing
ABF	<i>Agastache Blue Fortune</i>	Blue Fortune Hybrid Hyssop	1 Gal	24" o.c.	9.8	Triangular spacing
SNP	<i>Symphotrichum novae-angliae 'Purple Dome'</i>	Purple Dome Aster	1 Gal	30" o.c.	9.8	Triangular spacing
SAN	<i>Salvia nemorosa</i>	Sensation Rose	1 Gal	30" o.c.	9.8	Triangular spacing
DIC	<i>Dianthus cruentus</i>	Pink	1 Gal	24" o.c.	9.8	Triangular spacing
Seed Mixes						
SMM	(Shortgrass Meadow Mix)	REF SPEC	Seed	REF SPEC		Western Wheat Grass, Blue Gramma, Sideoats Gramma, Green needlegrass, Buffalo Grass, ThickSpike Wheat Grass, Switchgrass
SMM at DSM 1 and 2	(Shortgrass Meadow Mix matrix for DSM areas)		Seed			Same
TLM	(Tree Lawn Mix)	REF SPEC	Seed	REF SPEC		Kentucky Bluegrass, Perennial Ryegrass, Creeping Red Fescue



FDP - AMENDMENT NO. 1
BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

PLANTING

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
Revision 2:	8.31.2018
Revision 3:	
Sheet	14 of 36

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SITE KEYNOTES:

9.0	PLANTING AND LANDSCAPE	DETAIL / SHEET	RELATED DETAIL(S)
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9.7	Plant Spacing	5 / L.37	
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SMM at DSM 1 and 2	(Shortgrass Meadow Mix matrix for DSM areas)	REF SPEC
TLM	(Tree Lawn Mix)	REF SPEC

FDP - AMENDMENT NO. 1
 BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

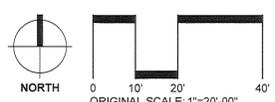
DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

PLANTING

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
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SITE KEYNOTES:

DETAIL / SHEET RELATED DETAIL(S)

6.0	RAILINGS, BARRIERS AND FENCING	
6.1	(Not Used)	
6.2	Fence Type 1 - Open	2 / L2.2 1 / L2.2
	Gate Retrofit in Fence Type 1 - Open	3 / L2.2 1 / L2.2, 2 / L2.2
6.3	Fence Type 2 - Open with Cross-tie	1 / L2.3
6.4	Fence Type 3 - Privacy	2 / L2.3 1 / L2.2, 3 / L2.3
6.5	Pickleball Fence	
	Gate Retrofit in Fence Type 3 - Privacy	3 / L2.3 1 / L2.2, 2 / L2.3
	Residential Fence Type 1 - Open	1 / L2.4 2, 3, 4 / L2.4
	Residential Fence Type 3 - Privacy	2 / L2.4 1, 3, 4 / L2.4
	Residential Fence Gates	3 / L2.4 1, 2, 4 / L2.4

SYMBOL LEGEND

- x — x — Pool Fence 6.1
- Fence Type 1 - Open 6.2
- x — Fence Type 2 - Open with Cross-Tie 6.3
- Fence Type 3 - Privacy 6.4
- - - - - Pickleball fence 6.5

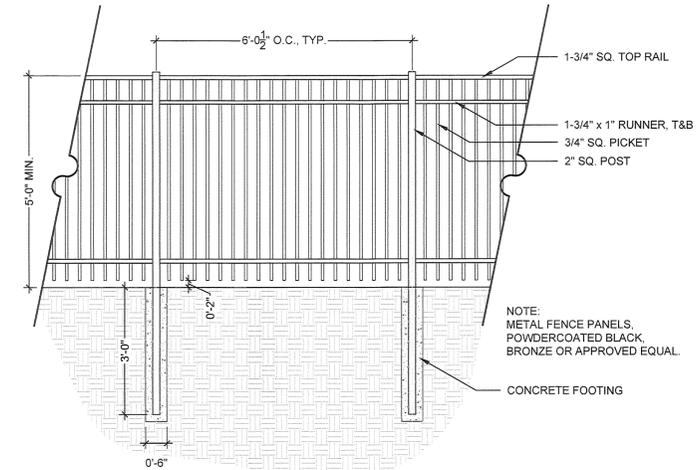
NOTE:

1. Refer to detail at right for [6.1] Pool Fence.
2. Pickleball fence is black chain link with windscreen.
 - 2.1. Refer to plan notes for fence height.
 - 2.2. Secure windscreen to perimeter fence per manufacturer's recommendations.
- 2.3. Windscreen product: 500 Series 80% MAXFlex PVC Mesh by FenceScreen® (or approved equal). Windscreen color: Forest Green.
3. Refer to associated details in the recorded Filing 2 FDP for the other fence types.

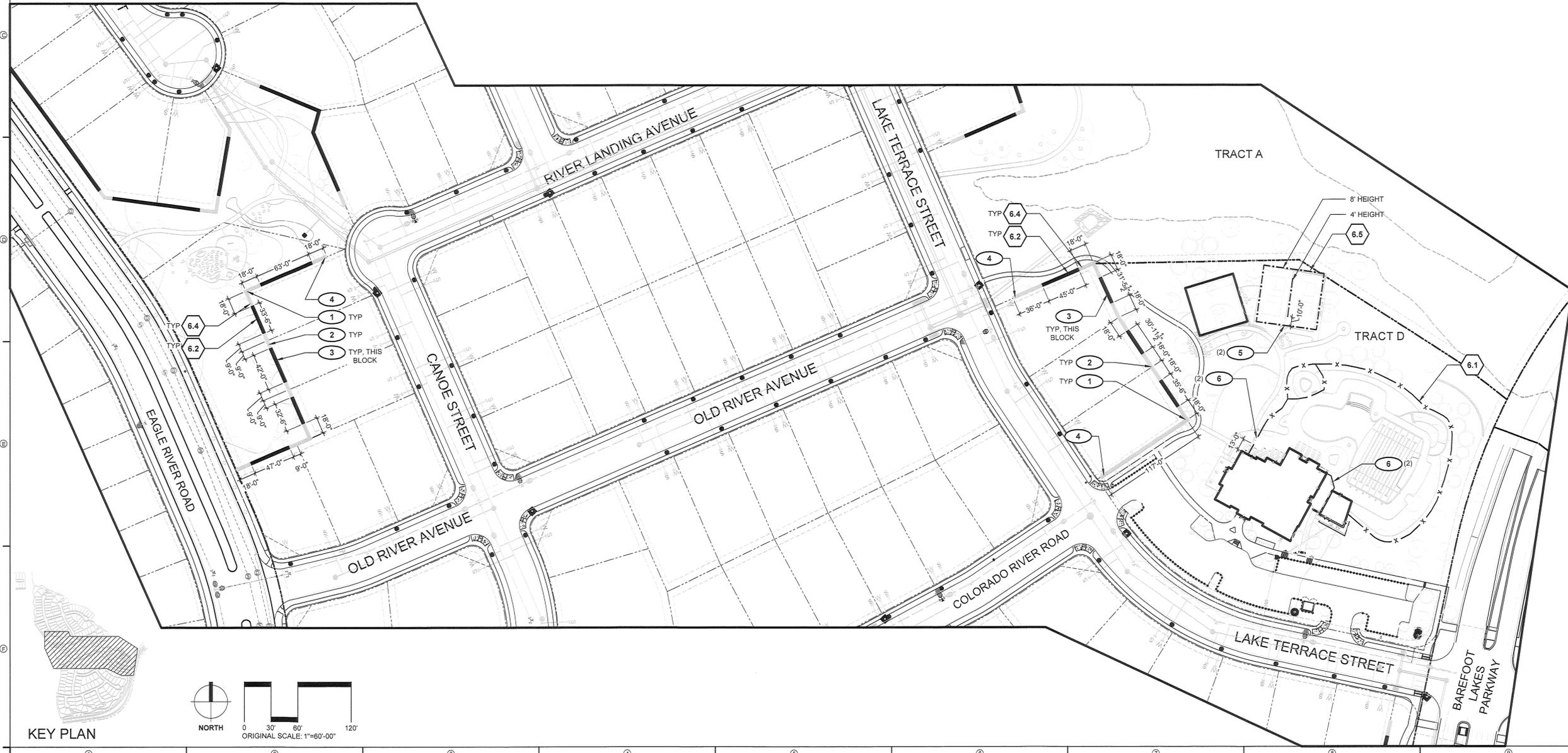
FENCING REFERENCE NOTES

- 1 Center Post to Lot lines
- 2 Starting from Lot lines, install fence type as indicated in 9' segments.
- 3 Locate Segments not equal to 9' as indicated. Where not possible to make up the difference in a single segment, split equally among two or three segments.
- 4 Step down at end segment as shown in Keynote 6.2.
- 5 Pedestrian Gate: 7' high x 4' wide chain link gate with welded frames and lockable latches. Match adjacent fence material and finish. Include transom above gate.
- 6 Access Gate: 5' wide, match fence height. Match adjacent fence material and finish. Include lockable latch and drop rod.

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1 POOL FENCE
 SCALE: 1/2" = 1'-0"



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 Planned Unit Development
 ARCHITECTURAL ELEVATIONS
 Town of Firestone
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SOUTH ELEVATION
 0 8' 16' 24'



WEST ELEVATION
 0 8' 16' 24'

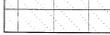
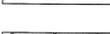


EAST ELEVATION
 0 8' 16' 24'



NORTH ELEVATION
 0 8' 16' 24'

FINISH LEGEND

-  BOARD AND BATTEN
-  8" LAP SIDING
-  SMOOTH PANEL WITH REVEALS
-  WOOD PANEL OR TRIM
-  FIBER CEMENT PANEL
-  STONE VENEER
-  CORRUGATED METAL PANEL
-  STOREFRONT/ GLAZING

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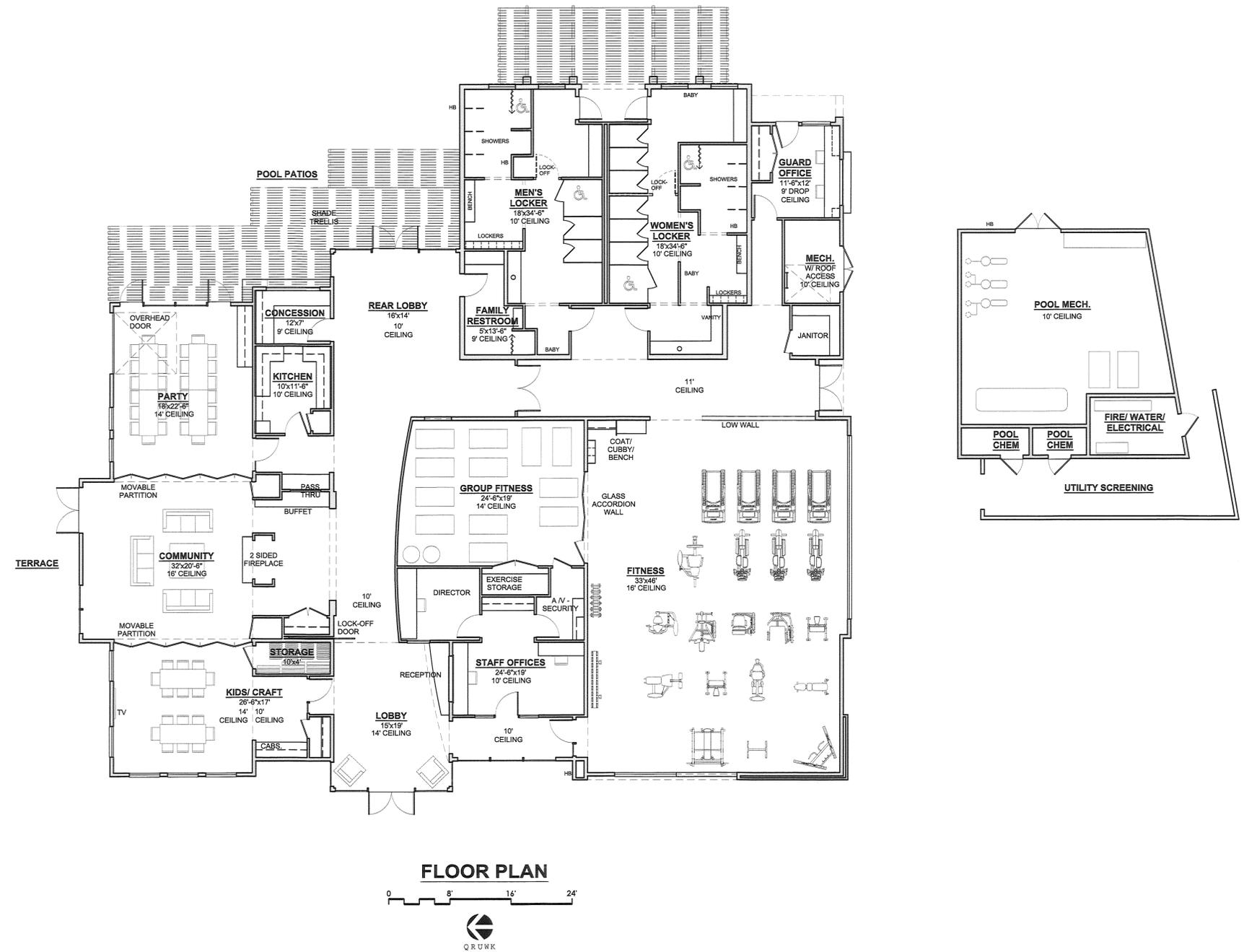
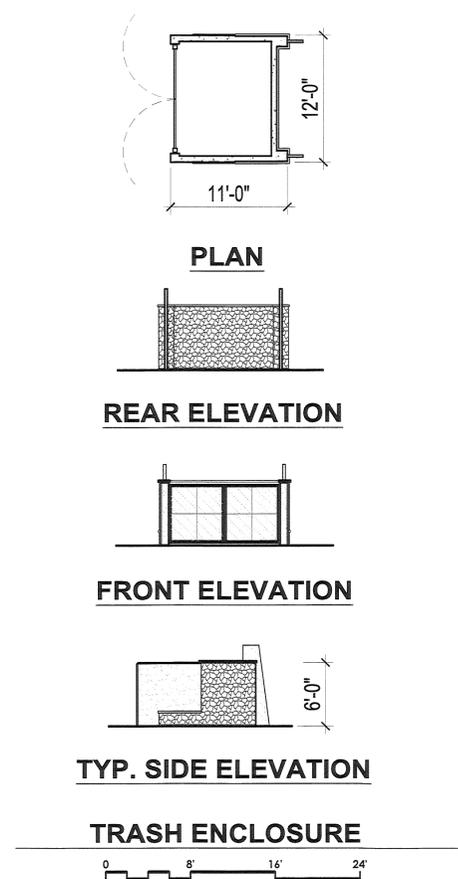
FIRESTONE
INFORMATION BLOCK
BAREFOOT LAKES
ARCHITECTURAL
ELEVATIONS

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FDP - Amendment No. 1
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 ARCHITECTURAL ELEVATIONS
 Town of Firestone
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FDP - AMENDMENT NO. 1
BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO



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 PH 303-949-8184
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Brookfield Residential Barefoot Lakes Community Recreation Center
 Firestone, Colorado 7,500 S.F.

ARCHITECTURAL FLOOR PLAN
 SCHEMATIC DESIGN

DW PROJECT NUMBER: 5311

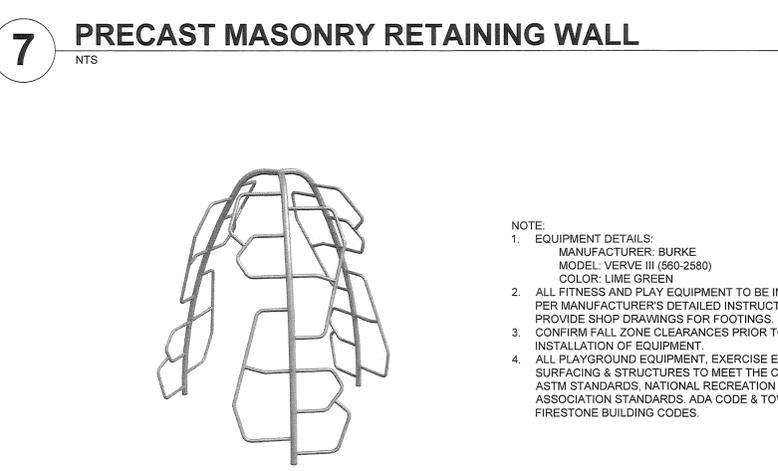
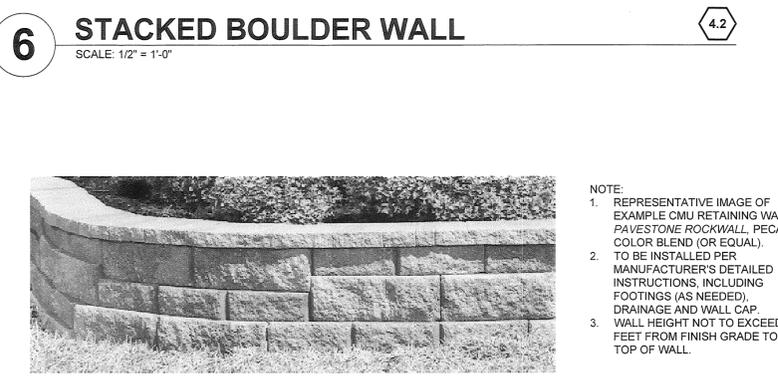
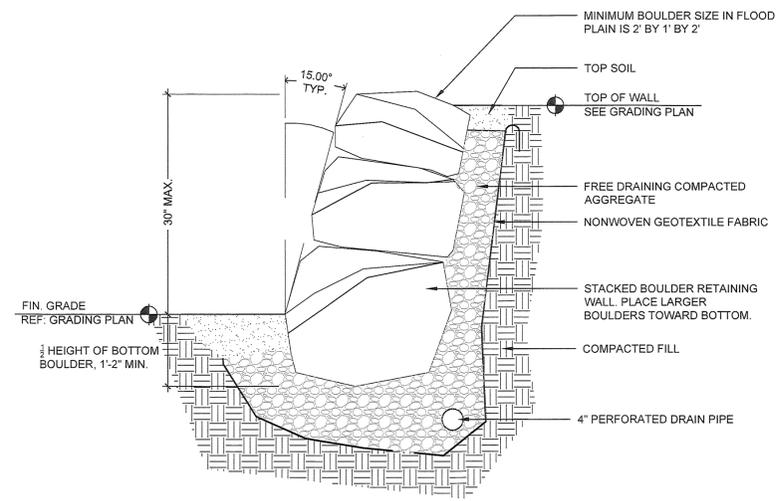
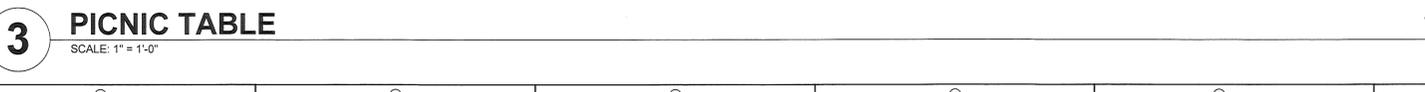
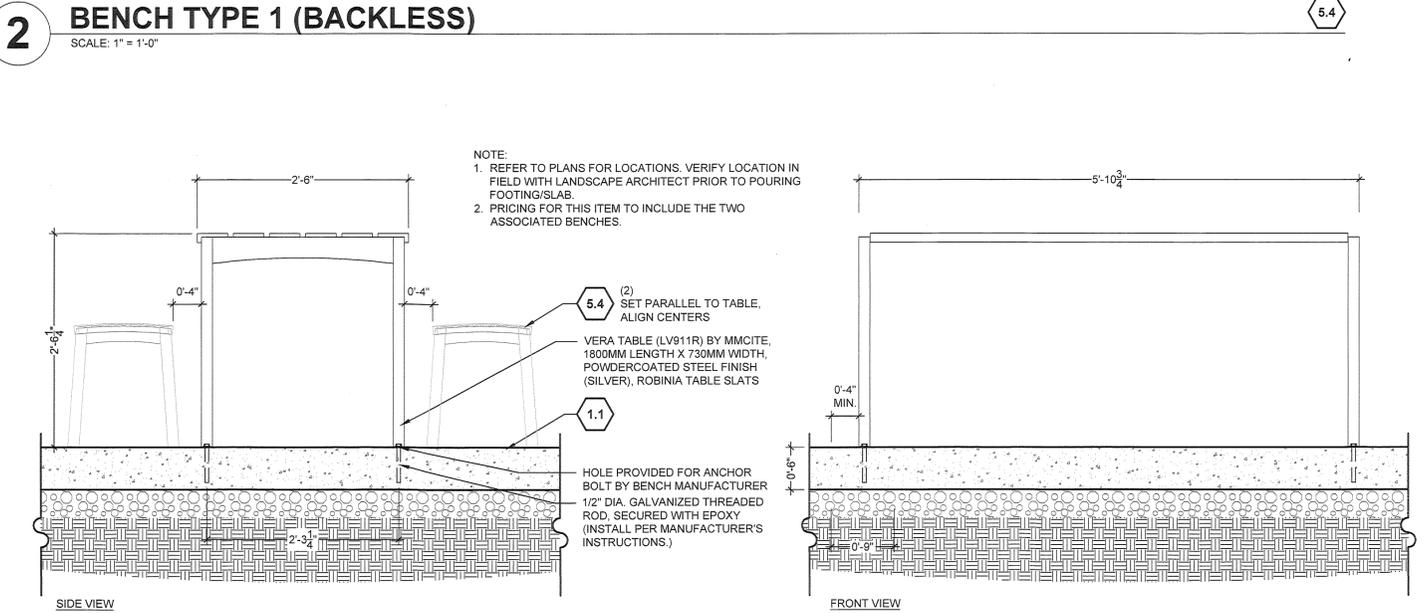
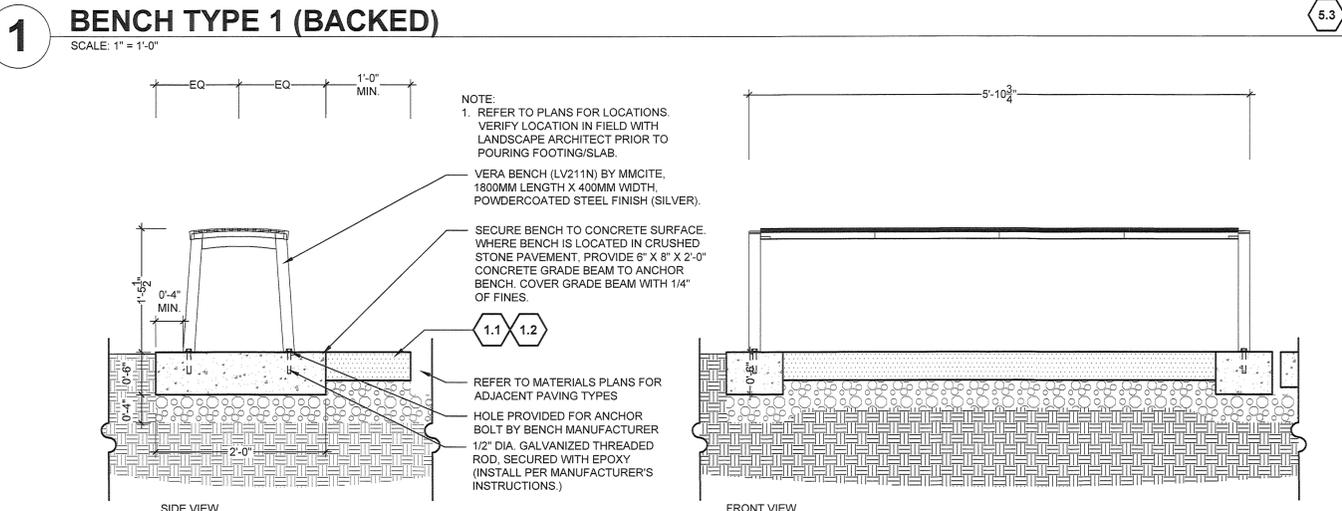
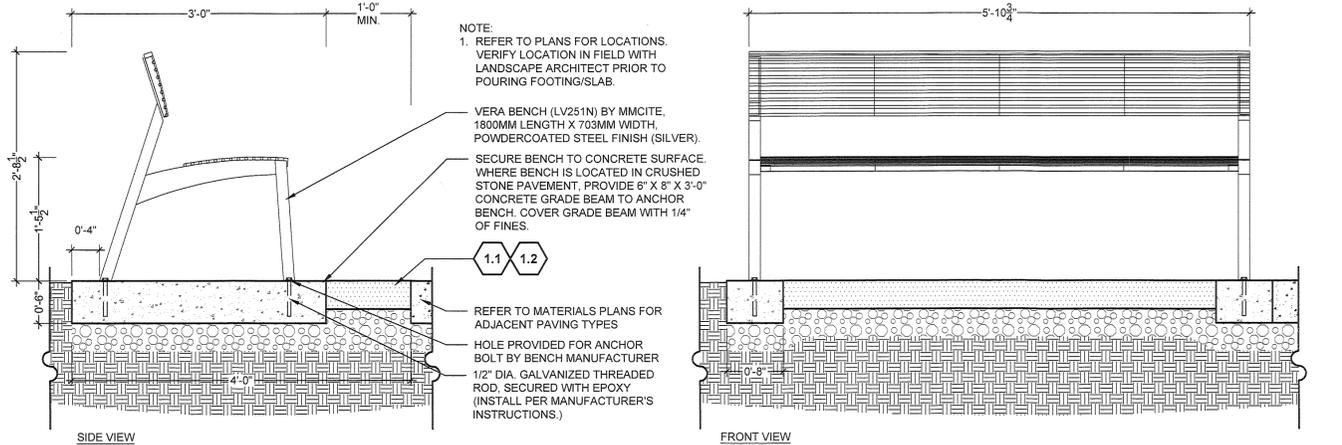
FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

ARCHITECTURAL FLOOR PLAN

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3/23/2018
Revision 1:	
Revision 2:	8.31.2018
Revision 3:	

FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 SITE PLAN DETAILS
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 21 of 34



**FDP - AMENDMENT NO. 1
 BAREFOOT LAKES FILING NO. 2**

TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

DW PROJECT NUMBER: 5311

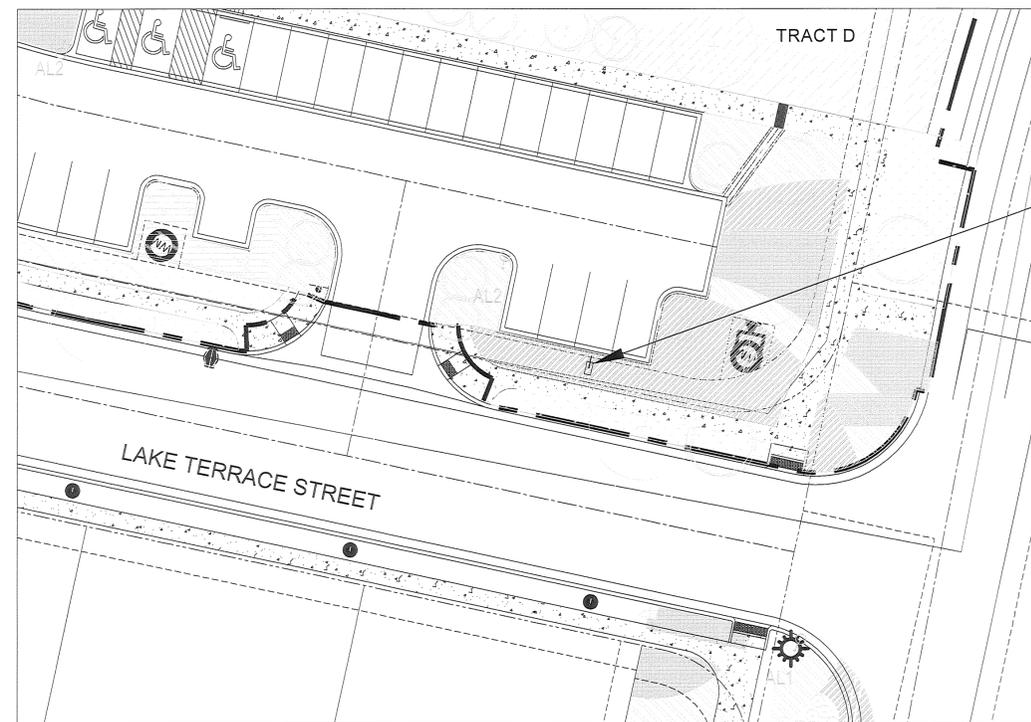
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BAREFOOT LAKES

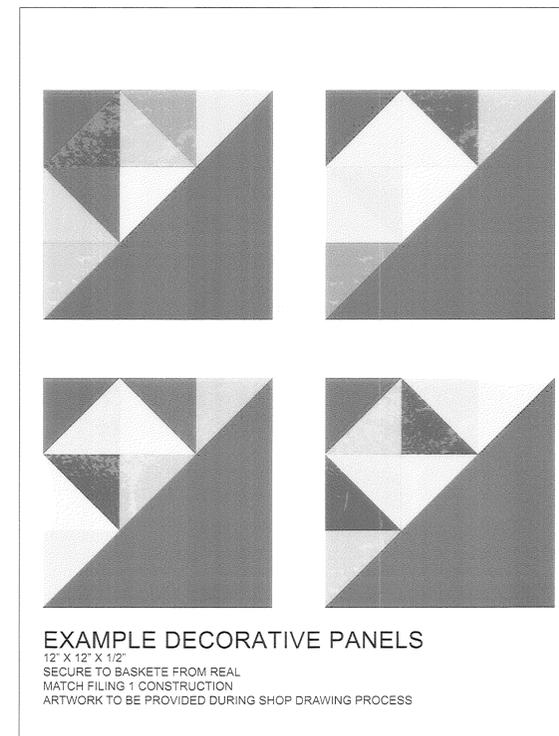
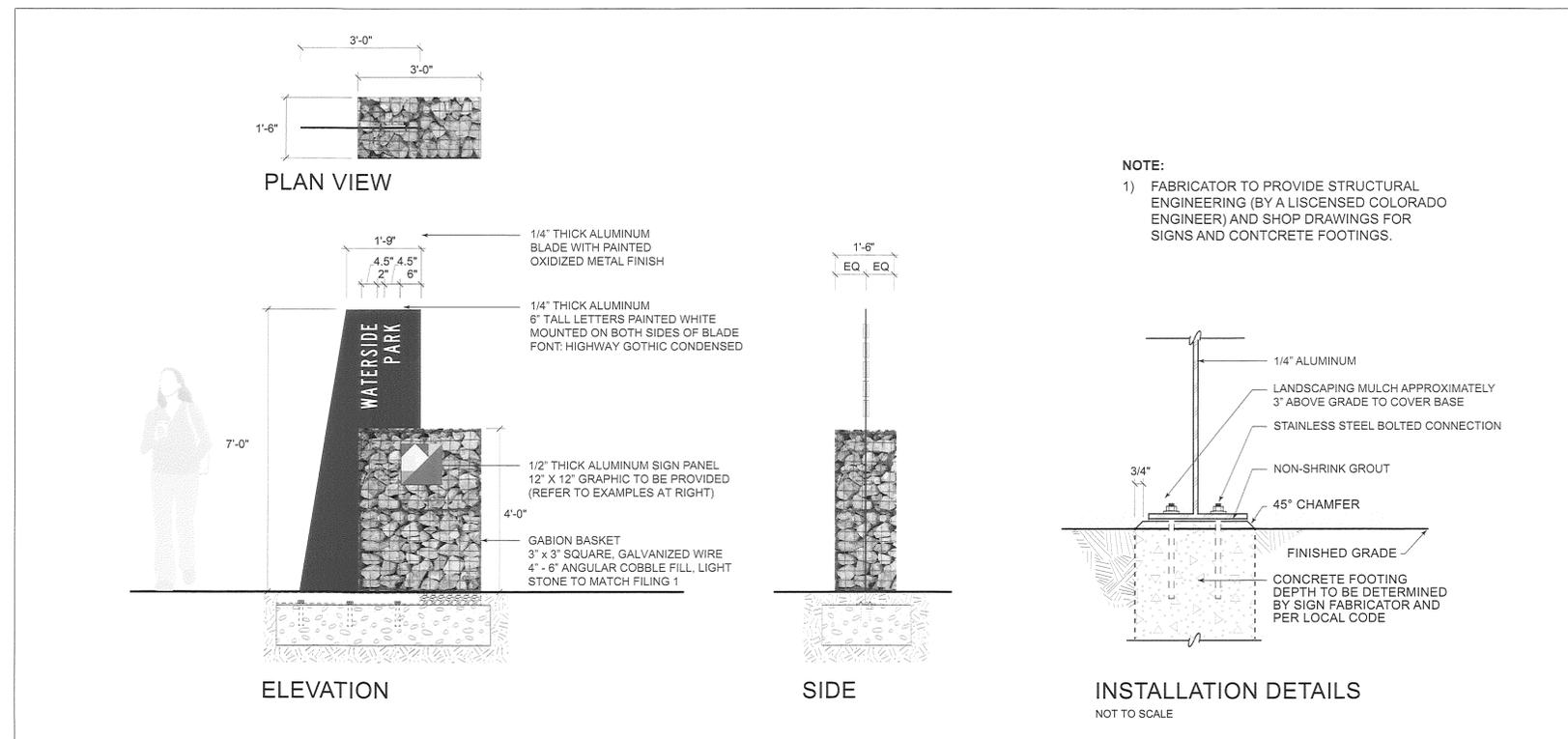
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Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
Revision 2:	8.31.2018
Revision 3:	
Sheet	21 of 36

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SMALL AMENITY SIGN



1 SMALL AMENITY SIGN
 1/2" = 1'-0"

**FDP - AMENDMENT NO. 1
 BAREFOOT LAKES FILING NO. 2**
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

DW PROJECT NUMBER: 5311	
FIRESTONE INFORMATION BLOCK	
BAREFOOT LAKES	
SIGNAGE	
Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
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FDP - Amendment No. 1
Barefoot Lakes Filing No. 2
Planned Unit Development
IRRIGATION NOTES & SCHEDULE
Town of Firestone
Weld County
State of Colorado
Sheet 23 of 36

4438318 Pages: 23 of 36
10/12/2018 03:23 PM \$ Fee: \$303.00
Gary Keesen, City and Resident, Weld County, CO

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION	DETAIL NO.
	HUNTER / TORO	PRO5-06-PR530-CV-R IV O PRECISION SERIES NOZZLE	POPUF SPRAY HEAD	8
	HUNTER / TORO	PRO5-06-PR530-CV-R IV O PRECISION SST & CORNER NOZZLE	POPUF SPRAY HEAD	8
	HUNTER / TORO	PRO5-12-PR530-CV-R IV O PRECISION SERIES NOZZLE	HI-POP SPRAY HEAD	9
	HUNTER / TORO	PRO5-12-PR530-CV-R IV O PRECISION SST & CORNER NOZZLE	HI-POP SPRAY HEAD	9
	HUNTER / TORO	PRO5-12-PR530-CV-R IV O PRECISION SERIES NOZZLE	HI-POP SPRAY HEAD	9
	HUNTER / TORO	PRO5-12-PR530-CV-R IV O PRECISION SST & CORNER NOZZLE	HI-POP SPRAY HEAD	9
	HUNTER	PRO5-12-PR540-CV-R IV M2000 SERIES NOZZLE	HI-POP SPRAY HEAD	9
	HUNTER	I-20-06-SS-R IV # NOZZLE	GEAR DRIVEN ROTOR	10
	HUNTER	I-20-12-R IV # NOZZLE	HI-POP GEAR DRIVEN ROTOR	11
	HUNTER	I-20-12-R IV # NOZZLE	HI-POP GEAR DRIVEN ROTOR	11
	HUNTER	I-20-12-R IV # NOZZLE	HI-POP GEAR DRIVEN ROTOR	11
	WEATHERMATIC	MAX 11000-NP SERIES IV SLDEC1	ELECTRIC CONTROL VALVE IV DECODER	12 & 13
N/S	OLDCASTLE / CARSON	REFER TO SPECIFICATIONS AND DETAILS	VALVE BOXES	VARIOUS
	RAIN BIRD	44-NP	QUICK COUPLING VALVE	15
	WEATHERMATIC	QUOTE #10843-F WITH SLPED-ENC & SMARTLINK AIRCARD WITH FLOW	ELECTRIC CONTROLLER	3 & 4
	WEATHERMATIC	QUOTE #10843-G WITH SLPED-ENC & SMARTLINK AIRCARD WITH FLOW	ELECTRIC CONTROLLER	3 & 4
	WEATHERMATIC	QUOTE #10843-H WITH SLPED-ENC & SMARTLINK AIRCARD WITH FLOW	ELECTRIC CONTROLLER	3 & 4
	WEATHERMATIC	SLWS (WIRELESS)	WEATHER STATION	5
	FEBCO	825YA	BACKFLOW PREVENTER	1
N/S	STRONG BOX	SBBC-40ALHP	BACKFLOW PREVENTER ENCLOSURE	2
N/S	MATCO	201X	MANUAL DRAIN VALVE	16
		LINE SIZE - 2 1/2" AND SMALLER	GATE VALVE	17
	SPEARS		PVC BALL VALVE	37
	WEATHERMATIC	MAX 11000-NP SERIES (2") IV SLDEC1	MASTER CONTROL VALVE	6
	WEATHERMATIC	SLSF1-520 - 2" CONTACT JOHN KEESSEN AT HYDROSYSTEMS*KDI (303) 980-5327 FOR SYSTEM AND FLOW SENSOR START-UP INITIALIZATION	FLOW SENSOR	7
		CLASS 200 BE - 2 1/2" & SMALLER	PVC MAINLINE	21
		CLASS 200 BE	PVC LATERAL	21
		CLASS 160	PVC SLEEVING	22
	TORO	BLUE STRIPE	POLY DRIP TUBING - 3/4" MIN. WIDTH	18 - 20
	RAIN BIRD / WEATHERMATIC	XCZ-100-COM IV SLDEC1	DRIP VALVE ASSEMBLY IV DECODER	19 & 13
			DRIP LINE BLOW-OUT STUB	18
N/S	RAIN BIRD	XERI-BUG	DRIP EMITTERS	20
N/S	WEATHERMATIC	SLDEC1	VALVE DECODER	12, 13, 19, 30 & 31
N/S	WEATHERMATIC	SLWIRE122 - 1000	2-WIRE DECODER CABLE	12, 13, 14, 19, 30 & 31
	WEATHERMATIC	SL6DT LIGHTNING ARRESTOR	GROUNDING LOCATION	14
			WATER METER	BY OTHERS
	WEATHERMATIC	QUOTE #10843-A WITH SMARTLINK AIRCARD WITH FLOW	ELECTRIC CONTROLLER	23 & 4
	WEATHERMATIC	SLWS (WIRELESS)	WEATHER STATION	24
	HUNTER / TORO	PRO5-06-PR530-CV IV O PRECISION SERIES NOZZLE	POPUF SPRAY HEAD (POTABLE)	27
	HUNTER	I-20-06-SS IV # NOZZLE	GEAR DRIVEN ROTOR (POTABLE)	28
	HUNTER	I-20-12 IV # NOZZLE	HI-POP GEAR DRIVEN ROTOR (POTABLE)	29
	WEATHERMATIC	MAX 11000-NP SERIES IV SLDEC1	ELECTRIC CONTROL VALVE IV DECODER (POTABLE)	30 & 13
	RAIN BIRD / WEATHERMATIC	XCZ-100-COM IV SLDEC1	DRIP VALVE ASSEMBLY IV DECODER (POTABLE)	31 & 13
	WEATHERMATIC	SLSF1-510 - 1" CONTACT JOHN KEESSEN AT HYDROSYSTEMS*KDI (303) 980-5327 FOR SYSTEM AND FLOW SENSOR START-UP INITIALIZATION	FLOW SENSOR (POTABLE)	26
	WEATHERMATIC	MAX 11000-NP SERIES IV SLDEC1	MASTER CONTROL VALVE (POTABLE)	25
	RAIN BIRD	44-LRC	QUICK COUPLING VALVE (POTABLE)	33
		LINE SIZE - 2 1/2" AND SMALLER	GATE VALVE (POTABLE)	34
			DRIP LINE BLOW-OUT STUB (POTABLE)	32
		CLASS 200 BE - 2 1/2" & SMALLER	PVC MAINLINE (POTABLE)	36
N/S	MATCO	201X	MANUAL DRAIN VALVE (POTABLE)	35
			EXISTING QUICK COUPLER VALVE	
			EXISTING CONTROL VALVE	
			EXISTING DRIP VALVE ASSEMBLY	
			EXISTING PVC MAINLINE	
			CONTROLLER & STATION NO.	
			CONTROL VALVE SIZE	

IRRIGATION CONSTRUCTION NOTES

- DRAWINGS AND BASE INFORMATION - ALL BASE AND PLANTING INFORMATION HAVE BEEN PROVIDED BY DESIGN WORKSHOP. THE CONTRACTOR IS RESPONSIBLE TO NOTIFY HYDROSYSTEMS*KDI OF ANY DISCREPANCIES BETWEEN THE UTILITY OR PLANTING PLANS AND THE IRRIGATION PLAN. IF CONTRACTOR FAILS TO NOTIFY HYDROSYSTEMS*KDI AND MAKES CHANGES TO THE IRRIGATION SYSTEM DESIGN, HE ASSUMES ALL COSTS AND LIABILITIES ASSOCIATED WITH THOSE FIELD CHANGES. REFER TO SPECIFICATIONS FOR ADDITIONAL PROJECT REQUIREMENTS.
- SYSTEM PRESSURE - HYDROSYSTEMS*KDI HAS CONTACTED THE LOCAL WATER DISTRICT THAT SERVES THIS SITE AND THEY HAVE BEEN TOLD THAT THE STATIC WATER PRESSURE IN THIS AREA SHOULD BE 110 PSI AT POC #1 & 86 PSI AT POC #2. THE CONTRACTOR IS RESPONSIBLE TO FIELD VERIFY PRESSURE PRIOR TO COMMENCING ANY CONSTRUCTION AND NOTIFY HYDROSYSTEMS*KDI OF ANY VARIANCE FROM THE STATED PRESSURE IMMEDIATELY. WRITTEN DOCUMENTATION OF PRESSURE TEST AND RESULTS SHALL BE PROVIDED TO HYDROSYSTEMS*KDI AT CONSTRUCTION ONSET. IF CONTRACTOR FAILS TO FIELD VERIFY PRESSURE AND/OR NOTIFY HYDROSYSTEMS*KDI OR ANY VARIATIONS FROM THIS PRESSURE, THEN HE ASSUMES ALL CONSTRUCTION AND ENGINEERING COSTS ASSOCIATED WITH SYSTEM MODIFICATIONS REQUIRED TO ACCOMMODATE ACTUAL SITE PRESSURE. THIS SYSTEM HAS BEEN DESIGNED FOR A REQUIRED STATIC PRESSURE OF STATED AT EACH POC LOCATION.
- IRRIGATION SYSTEM OPERATION INTENT - THIS IRRIGATION SYSTEM HAS BEEN DESIGNED TO IRRIGATE THE ESTABLISHED LANDSCAPE WITHIN A SIX HOUR PER WEEK, SEVEN HOUR PER NIGHT WATERING WINDOW. ESTABLISHMENT WATERING WILL REQUIRE UP TO TWICE AS MUCH IRRIGATION FOR A FOUR TO SIX WEEK PERIOD. THE DESIGN IS BASED ON THE FOLLOWING PROJECTED WEEKLY APPLICATION RATES AFTER ESTABLISHMENT. THESE FIGURES ARE BASED ON A 30-YEAR AVERAGE WEATHER DATA AND WILL NEED TO BE ADJUSTED DUE TO SEASONAL CHANGES AND WEATHER CONDITIONS ABOVE AND BELOW THE AVERAGE VALUES UTILIZED.

BLUEGRASS TURF	1.76" PER WEEK PEAK SEASON
ORNAMENTAL PLANTINGS	0.62" PER WEEK PEAK SEASON
WILDFLOWER MIXES	1.00" PER WEEK PEAK SEASON
NATIVE SEED MIXES	0.60" PER WEEK PEAK SEASON (TWO SEASONS)

 NOTE: IT IS THE INTENT OF THIS DESIGN THAT NATIVE AREAS WOULD ONLY BE IRRIGATED FOR ESTABLISHMENT.
- EQUIPMENT INSTALLATION - IT IS THE INTENT OF THIS DESIGN THAT ALL IRRIGATION EQUIPMENT BE INSTALLED WITHIN PROPERTY LIMITS AND WITHIN LANDSCAPED AREAS. ANY EQUIPMENT SHOWN OUTSIDE OF THESE LIMITS IS SHOWN IN THAT LOCATION FOR GRAPHICAL CLARITY ONLY. ALL VALVE BOXES SHALL BE INSTALLED A MINIMUM OF 2'-0" FROM EDGE OF ANY PAVED SURFACES. ALL VALVE BOXES SHALL BE PLACED A MINIMUM OF 3'-0" FROM THE CENTERLINE OF ANY DRAINAGE SWALE.
- SLEEVING - ALL SLEEVING UNDER PAVED SURFACES SHOWN ON PLANS IS BY CONTRACTOR UNLESS OTHERWISE NOTED. SLEEVING SHALL BE INSTALLED IN THE SIZES AND QUANTITIES SHOWN ON PLANS OR BASED ON THE SCHEDULE BELOW. WHERE SLEEVES ARE SHOWN, BUT NOT LABELED, FOLLOW THE SCHEDULE BELOW. ALL MAINLINE, CONTROL WIRES AND DRIP LINES UNDER PAVED SURFACES ARE TO BE INSTALLED IN SLEEVING. ALL MAINLINE SLEEVE LOCATIONS TO INCLUDE A SEPARATE WIRE SLEEVE.

SLEEVED PIPE SIZE/WIRE QUANTITY	REQUIRED SLEEVE SIZE & QUANTITY
3/4" - 1 1/2" PIPING	2" PVC (1)
1 1/2" - 2" PIPING	4" PVC (1)
2 1/2" - 3" PIPING	6" PVC (1)
4" PIPING	8" PVC (1)
2-WIRE CABLE	2" PVC (1)
COMMUNICATION CABLE	2" PVC (1)
- MANUAL DRAIN VALVES - CONTRACTOR TO INSTALL ONE MANUAL DRAIN VALVE ON PRESSURE SUPPLY LINE DIRECTLY DOWNSTREAM OF BACKFLOW PREVENTER AND AT ALL LOW POINTS AND DEAD ENDS OF PRESSURE SUPPLY PIPING TO INSURE COMPLETE DRAINAGE OF SYSTEM. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THESE LOCATIONS IN-FIELD AND INSTALLATION LOCATIONS SHALL BE NOTED ON AS-BUILTS.
- POP-UP SPRAY NOZZLES - CONTRACTOR TO INSTALL PLASTIC NOZZLES ON ALL POP-UP SPRAY HEADS. INSTALL 15 SERIES NOZZLES ON ALL HEADS SPACED AT 12' TO 14'. INSTALL 12 SERIES NOZZLES ON ALL HEADS SPACED 10' TO 11'. INSTALL 10 SERIES NOZZLES ON ALL HEADS SPACED AT 8' TO 9'. INSTALL 8 SERIES NOZZLES ON ALL HEADS SPACED AT 6' TO 7'. INSTALL 5' NOZZLES ON ALL HEADS SPACED AT 5'. INSTALL SIDE STRIP NOZZLES ON ALL HEADS WITH AN 'S' DESIGNATION AND RIGHT AND LEFT CORNER STRIP NOZZLES ON ALL HEADS WITH AN 'L' OR 'R' DESIGNATION. VARIABLE ARC NOZZLES SHOULD BE UTILIZED ADJACENT TO CURVILINEAR SHRUB BEDS OR FOR ANY ANGLES THAT ARE NOT A STANDARD NOZZLE ANGLE. WHERE INDICATED, INSTALL LOW FLOW SQ SERIES SQUARE NOZZLES AT SPACING SHOWN. HIGH EFFICIENCY PRECISION O NOZZLES HAVE BEEN SELECTED FOR THEIR DISTRIBUTION UNIFORMITY AND FLOW CHARACTERISTICS. NO SUBSTITUTION WILL BE ALLOWED.
- ROTARY SPRAY NOZZLES - HUNTER AT 40 PSI; CONTRACTOR TO INSTALL PLASTIC ROTARY NOZZLES ON ALL POP-UP SPRAY HEADS. INSTALL M2000 SERIES NOZZLES ON ALL HEADS SPACED 14' TO 18'. UTILIZE WIP CORNER SERIES FOR IRRIGATED AREAS THAT NARROW TO AN ANGLE OF LESS THAN 75 DEGREES. VARIABLE ARC SHOULD BE UTILIZED TO AVOID OVERSPRAY ONTO HARD SERVICES OR BEYOND IRRIGATED AREA.
- DRIP IRRIGATION - REFER TO IRRIGATION DETAIL SHEET FOR DRIP EMITTER QUANTITIES AND PLACEMENT.
- WEB-BASED CONTROL NOTE - WEATHERMATIC SMARTLINK WEB-BASED CONTROL SYSTEM WITH FLOW MONITORING AND REPORTING MODEL (PER SCHEDULE). INSTALL PER MANUFACTURER'S RECOMMENDATIONS. CONTACT PARRY KEEBS AT WEATHERMATIC (303) 638-6268 FOR PRICING. CONTACT JOHN KEESSEN AT HYDROSYSTEMS*KDI (303) 980-5327 FOR CONTROLLER AND FLOW SENSOR START-UP AND INITIALIZATION. WATER MANAGEMENT SUBSCRIPTION IS INCLUDED IN THE COST OF THE CONTROLLER FOR A 2 YEAR PERIOD AND WILL BE MANAGED ON BEHALF OF THE OWNER BY HYDROSYSTEMS*KDI. COORDINATION BETWEEN HYDROSYSTEMS*KDI AND THE LANDSCAPE MAINTENANCE COMPANY WILL BE REQUIRED FOR A PERIOD OF TWO YEARS, AT MINIMUM.
- ADJUSTMENT - CONTRACTOR SHALL FINE TUNE/ADJUST THE IRRIGATION SYSTEM TO REDUCE/AVOID OVERSPRAY ONTO HARD SURFACES BY ADJUSTING NOZZLE DIRECTION AND NOZZLE RADIUS.
- SIMULTANEOUS ZONE OPERATION - THIS IRRIGATION SYSTEM HAS BEEN DESIGNED TO OPERATE MULTIPLE ZONES SIMULTANEOUSLY BASED ON INDIVIDUAL ZONE FLOW STATED AT EACH POC LOCATION.
- UNLABELED PIPING - ALL UNLABELED LATERAL PIPING SHALL BE 1" MINIMUM UNLESS OTHERWISE NOTED.
- 2-WIRE SYSTEM NOTES - CONTRACTOR SHALL GROUND ALL DECODERS AND DECODER WIRE PER MANUFACTURER'S RECOMMENDATIONS AND STANDARDS. (MINIMUM OF EVERY 500' OF WIRE AND AT ALL ENDS OF WIRE RUN).
 - CONTRACTOR SHALL USE ONLY MANUFACTURED 2-WIRE WIRE (SEE SCHEDULE FOR SPECIFIC WIRE).
 - USE DIFFERENT COLOR 2-WIRE CABLE FOR EACH CONTROLLER.
 - ONLY USE SINGLE STATION DECODERS (SEE SCHEDULE FOR SPECIFIC MODEL).
 - LOOP 5' OF 2-WIRE INTO ALL VALVE BOXES (WITH DECODERS AND SPLICES) FOR MAINTENANCE.
 - USE ONLY 3M DBR-6 WATERPROOF CONNECTORS ON ALL WIRE SPLICES AND ALL WIRE SPLICES ARE TO BE MADE WITHIN A VALVE BOX WITH CONTROL VALVES OR A SEPARATE 10" ROUND VALVE BOX FOR WIRE SPLICES.
 - INSTALL SURGE PROTECTOR RODS OR PLATES & LF. FROM VALVES, DECODERS, AND COMMUNICATION WIRE.

REFER TO SHEET

- 23 IRRIGATION NOTES & SCHEDULE
- 25 IRRIGATION OVERALL KEY
- 25 - 30 IRRIGATION PLANS
- 31 - 34 IRRIGATION DETAILS



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303-980-5327
303-980-5384 (fax)

FDP - AMENDMENT NO. 1
 BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

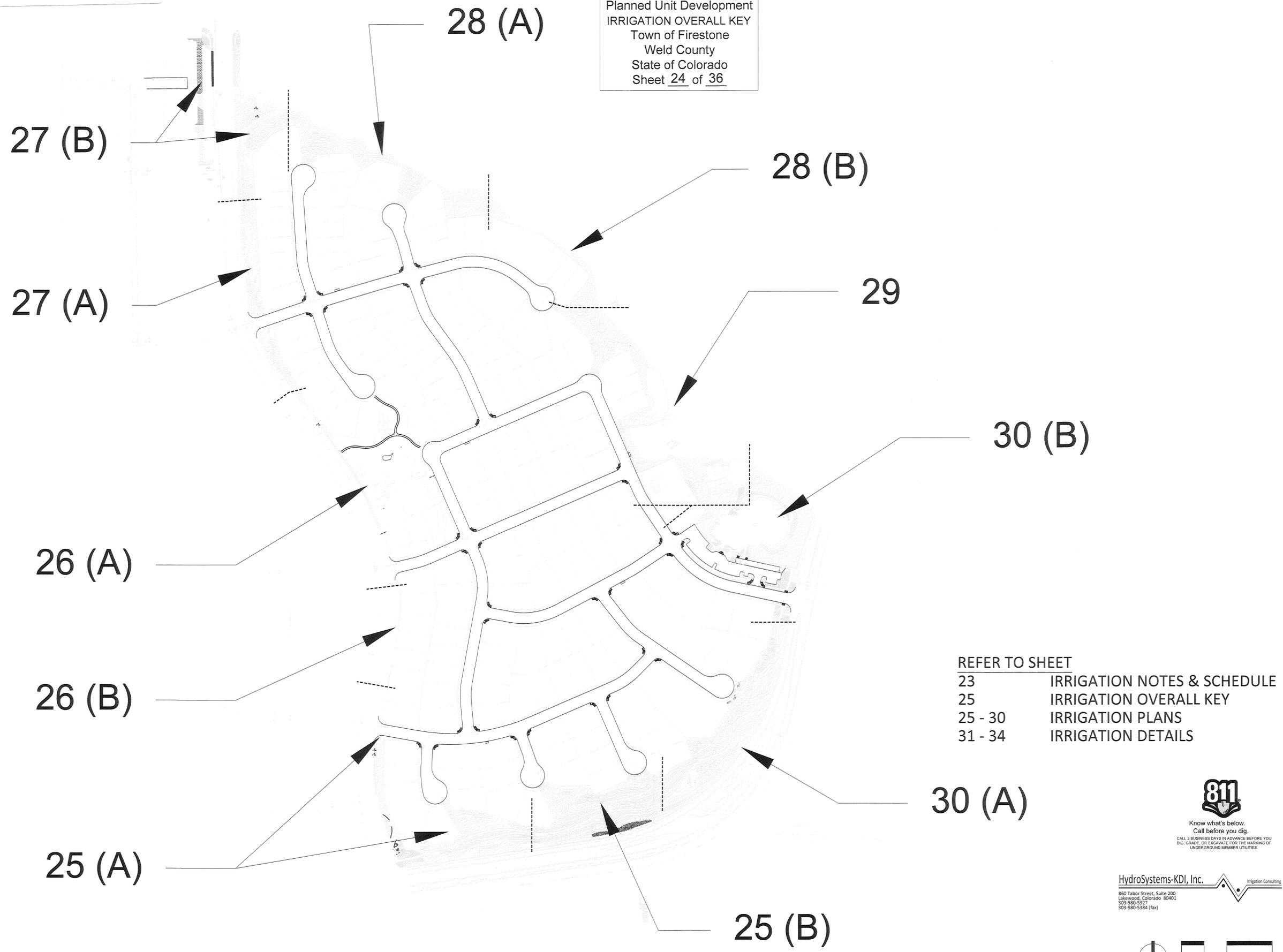
BAREFOOT LAKES

IRRIGATION NOTES & SCHEDULE

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
Revision 2:	8.30.2018
Revision 3:	
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 Barefoot Lakes Filing No. 2
 Planned Unit Development
 IRRIGATION OVERALL KEY
 Town of Firestone
 Weld County
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FDP - AMENDMENT NO. 1
BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO



REFER TO SHEET
 23 IRRIGATION NOTES & SCHEDULE
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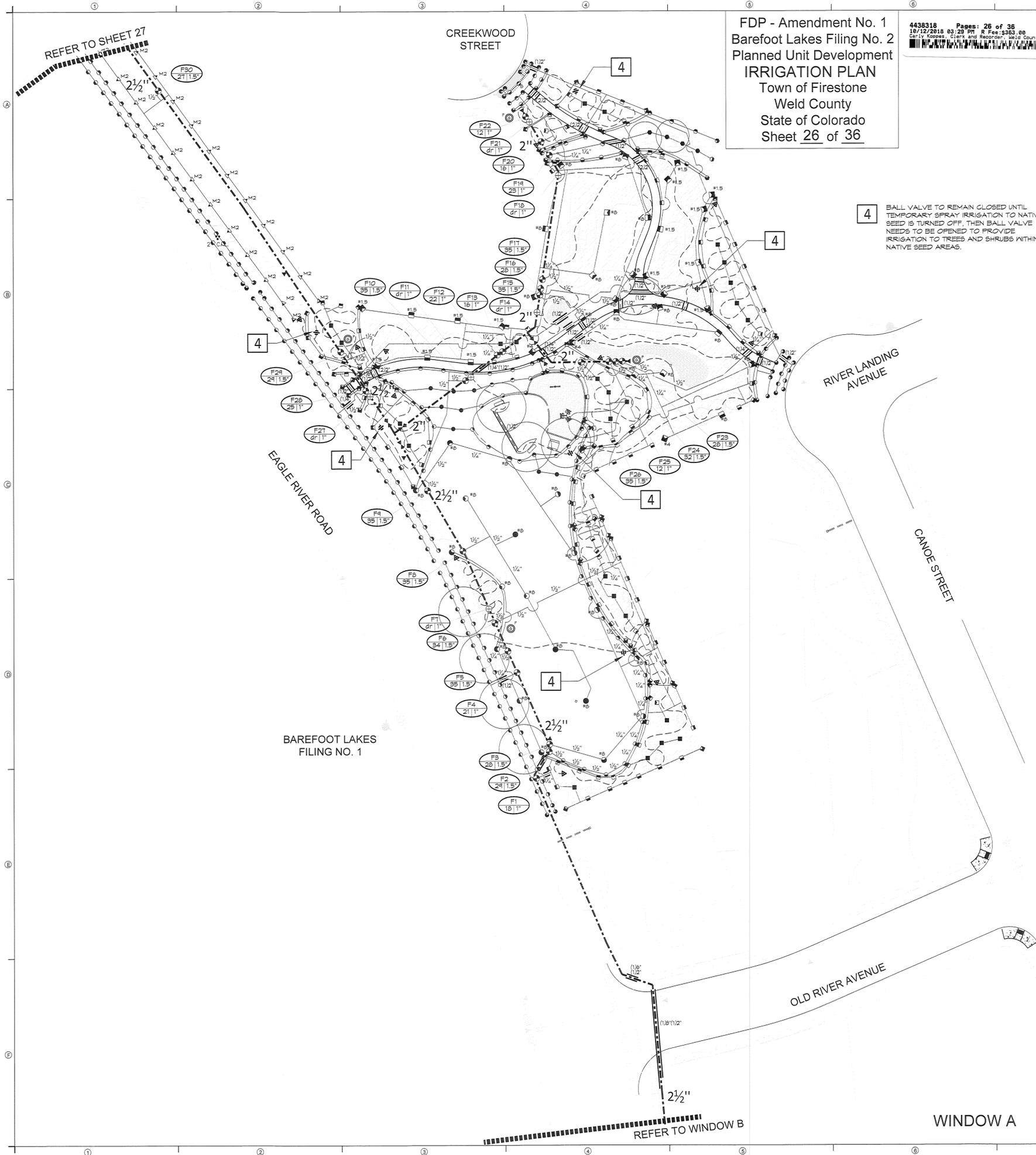
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IRRIGATION OVERALL KEY	
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FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 IRRIGATION PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 26 of 36

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 10/12/2018 02:29 PM R Fee: \$363.00
 City: Fort Collins, State: Colorado, County: Weld

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**FDP - AMENDMENT NO. 1
 BAREFOOT LAKES FILING NO. 2**
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO



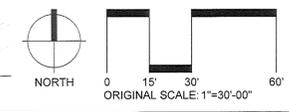
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 FILING NO. 1

- REFER TO SHEET
- 23 IRRIGATION NOTES & SCHEDULE
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DW PROJECT NUMBER: 5311
**FIRESTONE
 INFORMATION BLOCK**

BAREFOOT LAKES

**IRRIGATION
 PLAN**

Name of application:	Barefoot Lakes Filing No. 2
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FDP - Amendment No. 1
Barefoot Lakes Filing No. 2
Planned Unit Development
IRRIGATION PLAN
Town of Firestone
Weld County
State of Colorado
Sheet 27 of 36

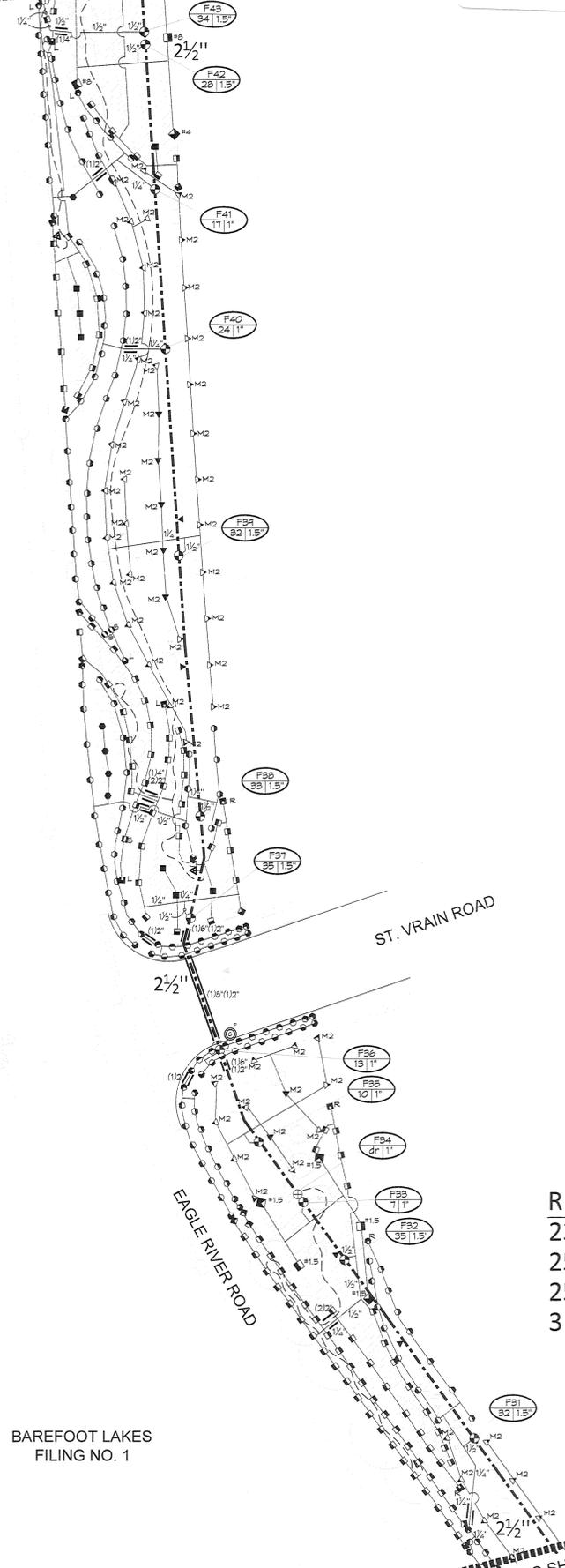
4438318 Pages: 27 of 36
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Carly Koppen, Clerk and Recorder, Weld County, CO

FDP - AMENDMENT NO. 1
BAREFOOT LAKES FILING NO. 2
TOWN OF FIRESTONE
WELD COUNTY
STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK	
BAREFOOT LAKES	
IRRIGATION PLAN	
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REFER TO WINDOW B



CONTRACTOR TO LOCATE EXISTING 3" MAINLINE AND 2-WIRE CABLE (FROM EXISTING CONTROLLER D) AT THIS APPROXIMATE LOCATION, TIE ONTO AND EXTEND NEW 3" MAINLINE AND NEW 2-WIRE CABLE TO NEW IRRIGATION AS SHOWN. CONTRACTOR TO REFER TO FILING 1 IRRIGATION PLANS FOR EXISTING IRRIGATION.

CONTRACTOR TO EXTEND NEW DRIP TUBING FROM VALVE D71 TO ANNUALS WITHIN SHRUB BED AREA.
CONTRACTOR TO EXTEND NEW DRIP TUBING FROM VALVE D80 TO PERENNIALS WITHIN SHRUB BED AREA.

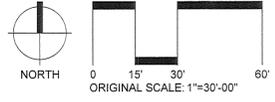
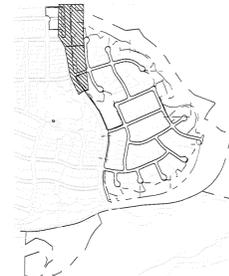
CONTRACTOR TO EXTEND NEW DRIP TUBING FROM VALVE F55 TO ANNUALS WITHIN SHRUB BED AREA.
CONTRACTOR TO EXTEND NEW DRIP TUBING FROM VALVE F54 TO PERENNIALS WITHIN SHRUB BED AREA.

BAREFOOT LAKES FILING NO. 1

WINDOW A

REFER TO SHEET 26

- REFER TO SHEET
- 23 IRRIGATION NOTES & SCHEDULE
 - 25 IRRIGATION OVERALL KEY
 - 25 - 30 IRRIGATION PLANS
 - 31 - 34 IRRIGATION DETAILS



CLEAR CREEK DRIVE

EAGLE RIVER ROAD

WELD COUNTY ROAD 28

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303-980-5384 (fax)

WINDOW B

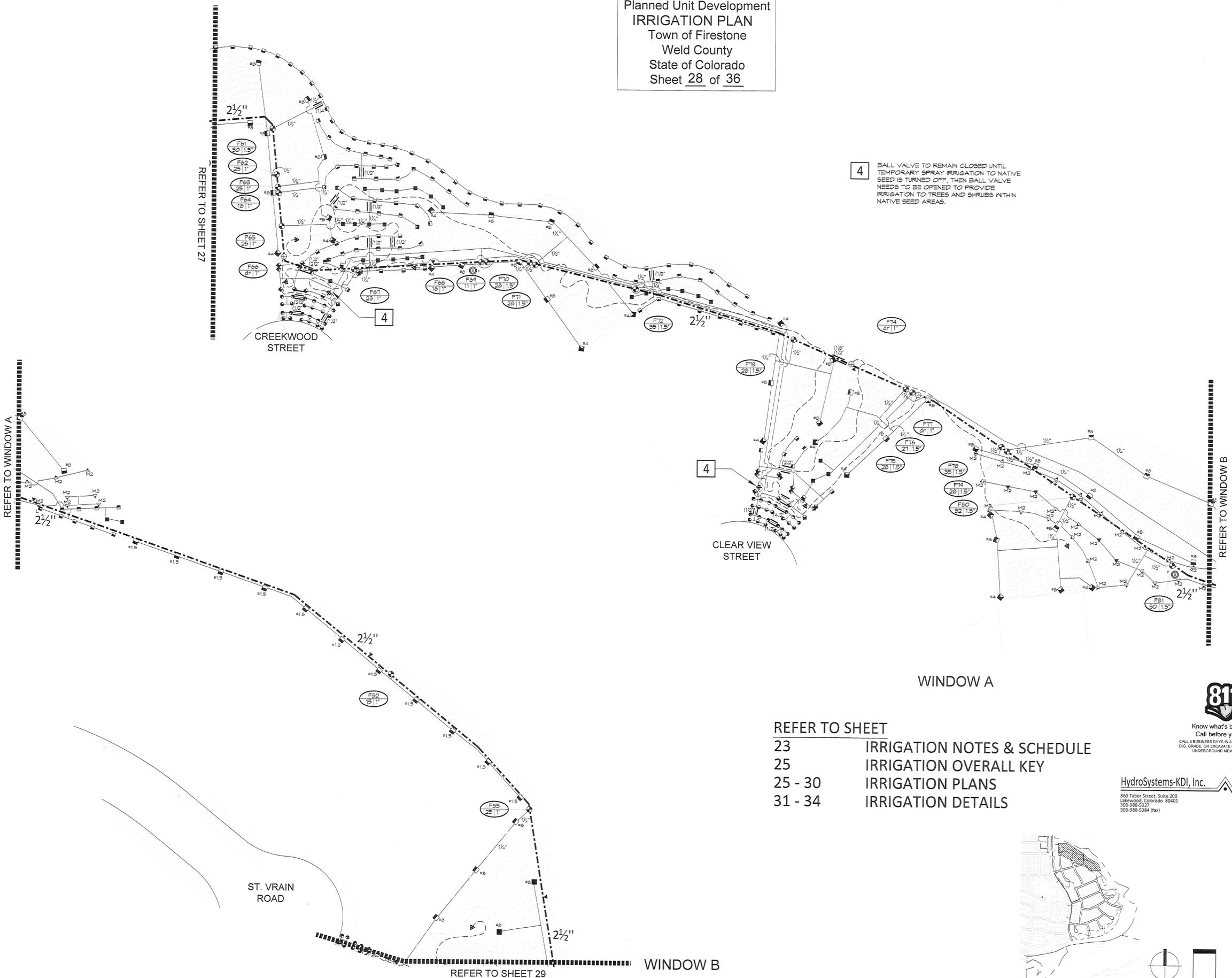
REFER TO WINDOW A

FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
IRRIGATION PLAN
 Town of Firestone
 Weld County
 State of Colorado
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**FDP - AMENDMENT NO. 1
 BAREFOOT LAKES FILING NO. 2**
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

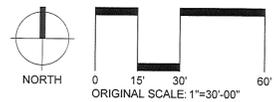


- REFER TO SHEET
- 23 IRRIGATION NOTES & SCHEDULE
 - 25 IRRIGATION OVERALL KEY
 - 25 - 30 IRRIGATION PLANS
 - 31 - 34 IRRIGATION DETAILS

HydroSystems-KDI, Inc. Irrigation Consulting
 860 Tabor Street, Suite 200
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 303-980-5277
 303-980-5304 (fax)



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 UNDERGROUND MEMBER UTILITIES.



DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK	
BAREFOOT LAKES	
IRRIGATION PLAN	
Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
Revision 2:	8.30.2018
Revision 3:	
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[J] POINT OF CONNECTION #3 - 1"

PEAK FLOW REQUIREMENT: 18 GPM. REQUIRED STATIC PRESSURE: 86 PSI
TIE ONTO 1" COPPER STUB-OUT AT THIS APPROXIMATE LOCATION, BY OTHERS (REFER TO PLUMBING PLANS). INSTALL ONE MANUAL DRAIN VALVE, ONE 1" WEATHERMATIC SLF51-T10 FLOW SENSOR, ONE 1" WEATHERMATIC MAX 11000-NP VALVE AS A MASTER VALVE, ONE QUICK COUPLING VALVE, ONE GATE VALVE AND EXTEND PVC MAINLINE AS SHOWN. EXTEND ONE PES4 SHIELDED CABLE FROM FLOW SENSOR TO SMARTLINK AIRCARD WITH FLOW LOCATED IN CONTROLLER "H". CONNECT MASTER VALVE TO CONTROLLER "H" VIA TWO-WIRE COMMUNICATION CABLE PER MANUFACTURER'S REQUIREMENTS. SEE DETAIL SHEET FOR REQUIRED PIPE LENGTHS UPSTREAM AND DOWNSTREAM OF FLOW SENSING UNIT. WORK SHALL CONFORM TO LOCAL CODE. FEES AND PERMITS ASSOCIATED WITH WORK ARE TO BE OBTAINED AND PAID FOR BY CONTRACTOR.

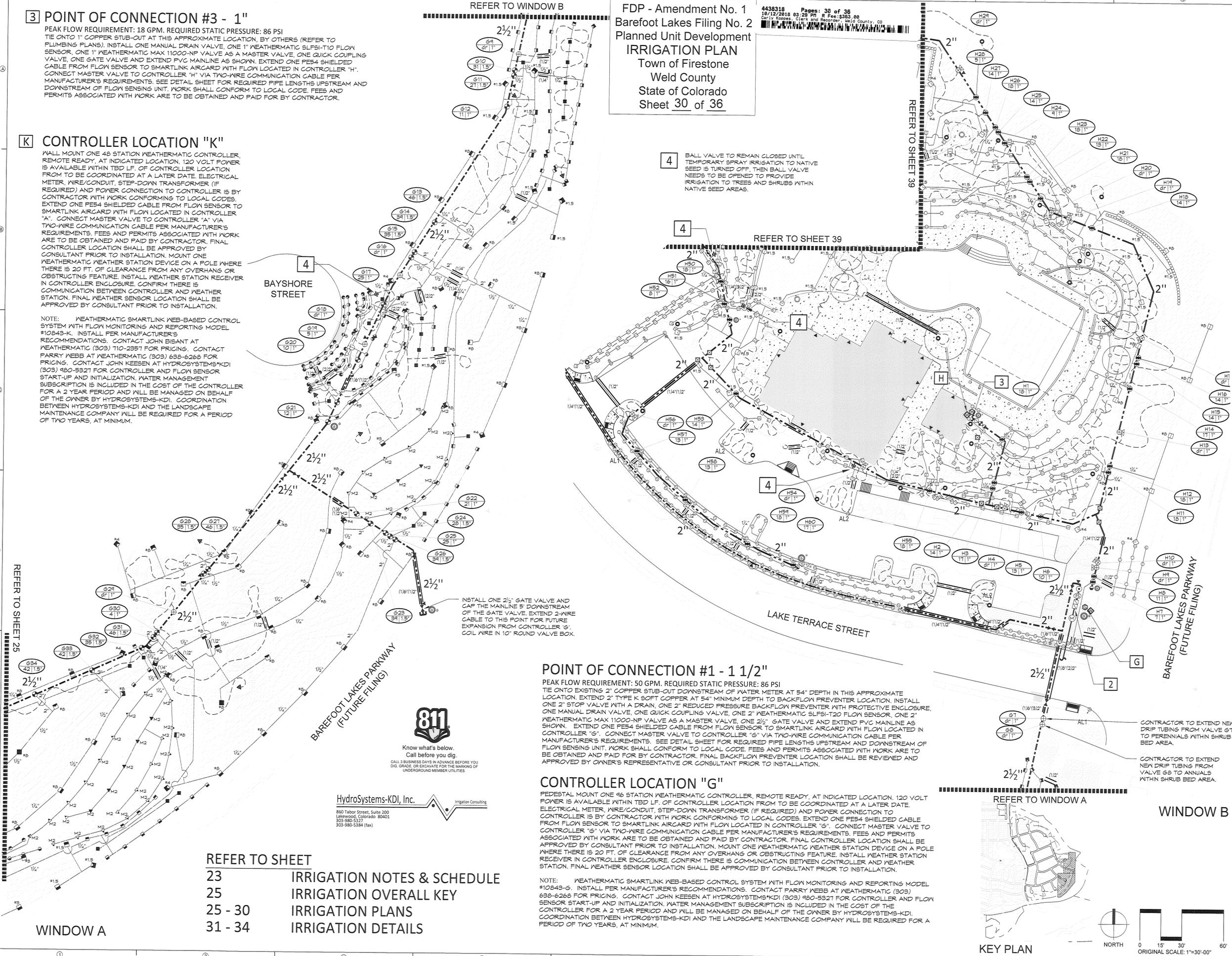
[K] CONTROLLER LOCATION "K"

WALL MOUNT ONE 48 STATION WEATHERMATIC CONTROLLER, REMOTE READY, AT INDICATED LOCATION. 120 VOLT POWER IS AVAILABLE WITHIN TBD LF. OF CONTROLLER LOCATION FROM TO BE COORDINATED AT A LATER DATE. ELECTRICAL METER, WIRE/CONDUIT, STEP-DOWN TRANSFORMER (IF REQUIRED) AND POWER CONNECTION TO CONTROLLER IS BY CONTRACTOR WITH WORK CONFORMING TO LOCAL CODES. EXTEND ONE PES4 SHIELDED CABLE FROM FLOW SENSOR TO SMARTLINK AIRCARD WITH FLOW LOCATED IN CONTROLLER "A". CONNECT MASTER VALVE TO CONTROLLER "A" VIA TWO-WIRE COMMUNICATION CABLE PER MANUFACTURER'S REQUIREMENTS. FEES AND PERMITS ASSOCIATED WITH WORK ARE TO BE OBTAINED AND PAID BY CONTRACTOR. FINAL CONTROLLER LOCATION SHALL BE APPROVED BY CONSULTANT PRIOR TO INSTALLATION. MOUNT ONE WEATHERMATIC WEATHER STATION DEVICE ON A POLE WHERE THERE IS 20 FT. OF CLEARANCE FROM ANY OVERHANG OR OBSTRUCTING FEATURE. INSTALL WEATHER STATION RECEIVER IN CONTROLLER ENCLOSURE. CONFIRM THERE IS COMMUNICATION BETWEEN CONTROLLER AND WEATHER STATION. FINAL WEATHER SENSOR LOCATION SHALL BE APPROVED BY CONSULTANT PRIOR TO INSTALLATION.

NOTE: WEATHERMATIC SMARTLINK WEB-BASED CONTROL SYSTEM WITH FLOW MONITORING AND REPORTING MODEL #10843-K. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. CONTACT JOHN BISANT AT WEATHERMATIC (303) 710-2951 FOR PRICING. CONTACT PARRY WEBB AT WEATHERMATIC (303) 638-6268 FOR FRIGING. CONTACT JOHN KEESAN AT HYDROSYSTEMS-KDI (303) 980-5327 FOR CONTROLLER AND FLOW SENSOR START-UP AND INITIALIZATION. WATER MANAGEMENT SUBSCRIPTION IS INCLUDED IN THE COST OF THE CONTROLLER FOR A 2 YEAR PERIOD AND WILL BE MANAGED ON BEHALF OF THE OWNER BY HYDROSYSTEMS-KDI. COORDINATION BETWEEN HYDROSYSTEMS-KDI AND THE LANDSCAPE MAINTENANCE COMPANY WILL BE REQUIRED FOR A PERIOD OF TWO YEARS, AT MINIMUM.

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Planned Unit Development
IRRIGATION PLAN
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10/12/2018 03:25 PM R Fee: \$363.00
City of Firestone, Weld County, CO



[4] BALL VALVE TO REMAIN CLOSED UNTIL TEMPORARY SPRAY IRRIGATION TO NATIVE SEEDS IS TURNED OFF. THE BALL VALVE NEEDS TO BE OPENED TO PROVIDE IRRIGATION TO TREES AND SHRUBS WITHIN NATIVE SEED AREAS.

INSTALL ONE 2 1/2" GATE VALVE AND CAP THE MAINLINE 5' DOWNSTREAM OF THE GATE VALVE. EXTEND 2-WIRE CABLE TO THIS POINT FOR FUTURE EXPANSION FROM CONTROLLER 'G'. COIL WIRE IN 10" ROUND VALVE BOX.

POINT OF CONNECTION #1 - 1 1/2"

PEAK FLOW REQUIREMENT: 50 GPM. REQUIRED STATIC PRESSURE: 86 PSI
TIE ONTO EXISTING 2" COPPER STUB-OUT DOWNSTREAM OF WATER METER AT 54" DEPTH IN THIS APPROXIMATE LOCATION. EXTEND 2" TYPE K SOFT COPPER AT 54" MINIMUM DEPTH TO BACKFLOW PREVENTER LOCATION. INSTALL ONE 2" STOP VALVE WITH A DRAIN, ONE 2" REDUCED PRESSURE BACKFLOW PREVENTER WITH PROTECTIVE ENCLOSURE, ONE MANUAL DRAIN VALVE, ONE QUICK COUPLING VALVE, ONE 2" WEATHERMATIC SLF51-T20 FLOW SENSOR, ONE 2" WEATHERMATIC MAX 11000-NP VALVE AS A MASTER VALVE, ONE 2 1/2" GATE VALVE AND EXTEND PVC MAINLINE AS SHOWN. EXTEND ONE PES4 SHIELDED CABLE FROM FLOW SENSOR TO SMARTLINK AIRCARD WITH FLOW LOCATED IN CONTROLLER "G". CONNECT MASTER VALVE TO CONTROLLER "G" VIA TWO-WIRE COMMUNICATION CABLE PER MANUFACTURER'S REQUIREMENTS. SEE DETAIL SHEET FOR REQUIRED PIPE LENGTHS UPSTREAM AND DOWNSTREAM OF FLOW SENSING UNIT. WORK SHALL CONFORM TO LOCAL CODE. FEES AND PERMITS ASSOCIATED WITH WORK ARE TO BE OBTAINED AND PAID FOR BY CONTRACTOR. FINAL BACKFLOW PREVENTER LOCATION SHALL BE REVIEWED AND APPROVED BY OWNER'S REPRESENTATIVE OR CONSULTANT PRIOR TO INSTALLATION.

CONTROLLER LOCATION "G"

PEDESTAL MOUNT ONE 48 STATION WEATHERMATIC CONTROLLER, REMOTE READY, AT INDICATED LOCATION. 120 VOLT POWER IS AVAILABLE WITHIN TBD LF. OF CONTROLLER LOCATION FROM TO BE COORDINATED AT A LATER DATE. ELECTRICAL METER, WIRE/CONDUIT, STEP-DOWN TRANSFORMER (IF REQUIRED) AND POWER CONNECTION TO CONTROLLER IS BY CONTRACTOR WITH WORK CONFORMING TO LOCAL CODES. EXTEND ONE PES4 SHIELDED CABLE FROM FLOW SENSOR TO SMARTLINK AIRCARD WITH FLOW LOCATED IN CONTROLLER "G". CONNECT MASTER VALVE TO CONTROLLER "G" VIA TWO-WIRE COMMUNICATION CABLE PER MANUFACTURER'S REQUIREMENTS. FEES AND PERMITS ASSOCIATED WITH WORK ARE TO BE OBTAINED AND PAID BY CONTRACTOR. FINAL CONTROLLER LOCATION SHALL BE APPROVED BY CONSULTANT PRIOR TO INSTALLATION. MOUNT ONE WEATHERMATIC WEATHER STATION DEVICE ON A POLE WHERE THERE IS 20 FT. OF CLEARANCE FROM ANY OVERHANG OR OBSTRUCTING FEATURE. INSTALL WEATHER STATION RECEIVER IN CONTROLLER ENCLOSURE. CONFIRM THERE IS COMMUNICATION BETWEEN CONTROLLER AND WEATHER STATION. FINAL WEATHER SENSOR LOCATION SHALL BE APPROVED BY CONSULTANT PRIOR TO INSTALLATION.

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Irrigation Consulting
860 Tabors Street, Suite 200
Lawrenceville, Colorado 80401
303-980-5327
303-980-5384 (fax)

REFER TO SHEET

23	IRRIGATION NOTES & SCHEDULE
25	IRRIGATION OVERALL KEY
25 - 30	IRRIGATION PLANS
31 - 34	IRRIGATION DETAILS

KEY PLAN



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**FDP - AMENDMENT NO. 1
BAREFOOT LAKES FILING NO. 2**

TOWN OF FIRESTONE
WELD COUNTY
STATE OF COLORADO

DW PROJECT NUMBER: 5311

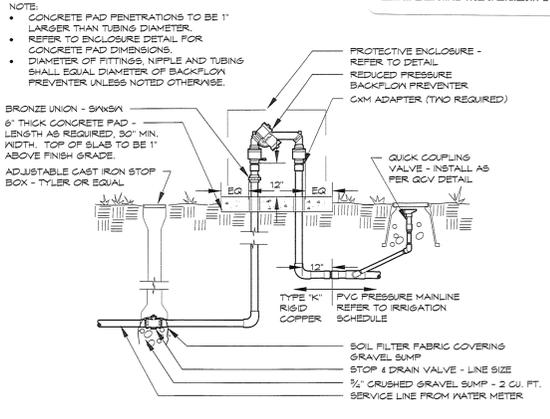
FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

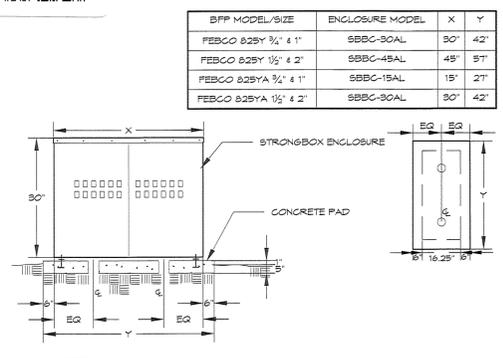
IRRIGATION PLAN

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
Revision 2:	8.30.2018
Revision 3:	
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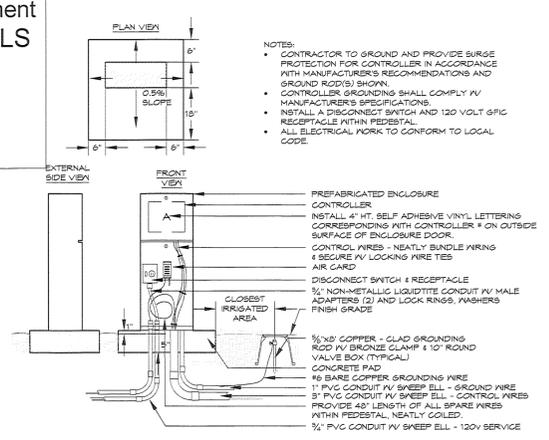


BACKFLOW PREVENTER
 3/4" - 2" SYSTEMS WITH PVC CONNECTION

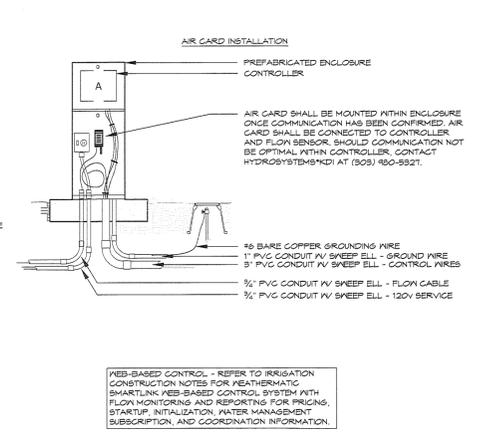


BACKFLOW ENCLOSURE
 STRONGBOX - 3/4" - 2" SYSTEMS

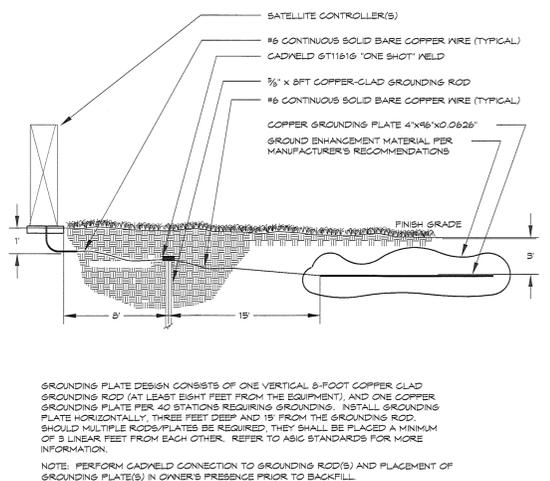
FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 IRRIGATION DETAILS
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 31 of 36



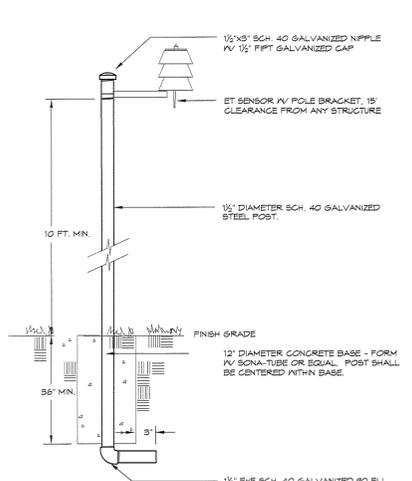
ELECTRIC CONTROLLER
 PEDESTAL



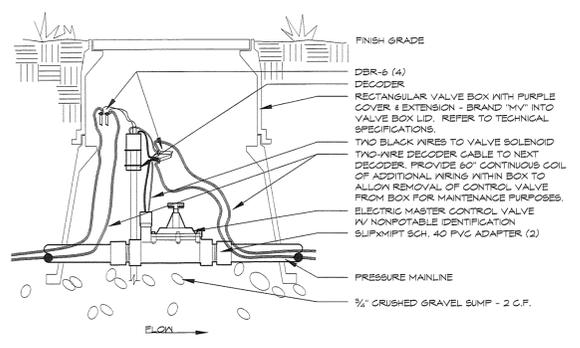
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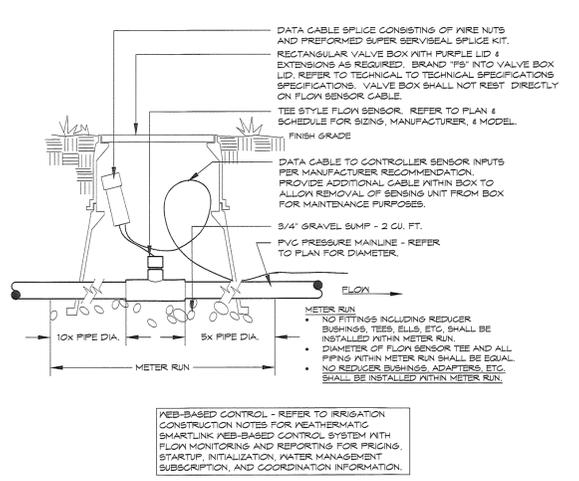
CONTROLLER GROUNDING



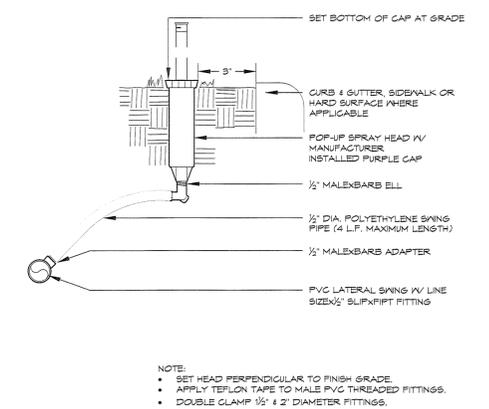
WEATHER SENSOR



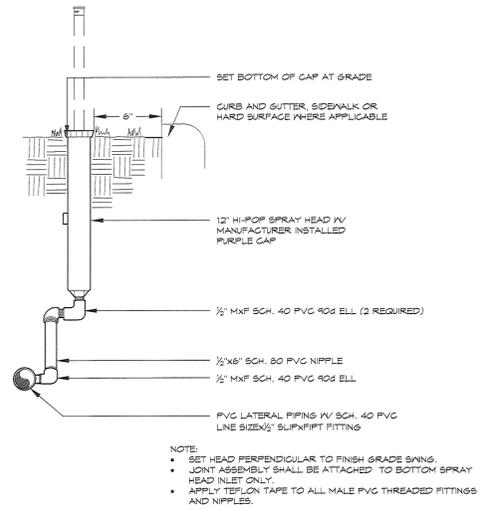
MASTER VALVE
 VIA DECODER - TAPS 2" & SMALLER - NON-POTABLE



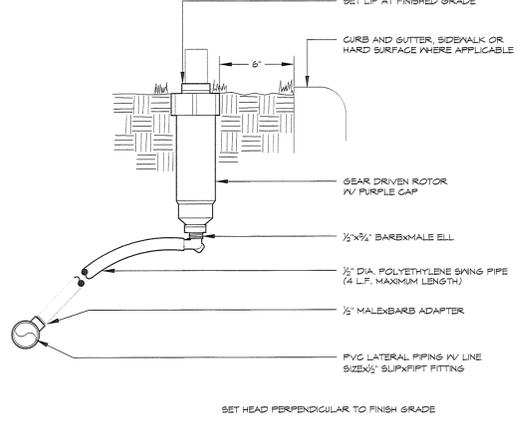
FLOW SENSOR
 TEE STYLE - NON-POTABLE



POP-UP SPRAY HEAD



HI-POP SPRAY HEAD



GEAR DRIVEN ROTOR

REFER TO SHEET
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 860 Tabor Street, Suite 200
 Littleton, Colorado 80120
 303-980-5327
 303-980-5381 (fax)

FDP - AMENDMENT NO. 1
BAREFOOT LAKES FILING NO. 2
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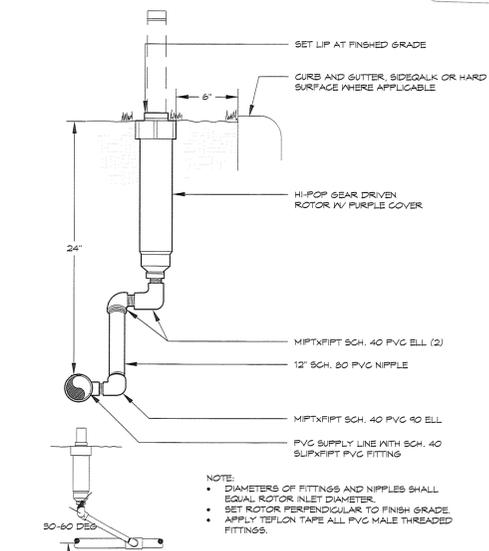
DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK	
BAREFOOT LAKES	
IRRIGATION DETAILS	
Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
Revision 2:	8.30.2018
Revision 3:	
Sheet	31 of 36

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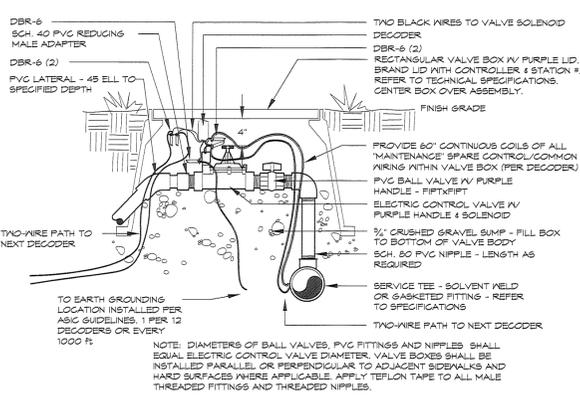
FDP - Amendment No. 1
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 Planned Unit Development
 IRRIGATION DETAILS
 Town of Firestone
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BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
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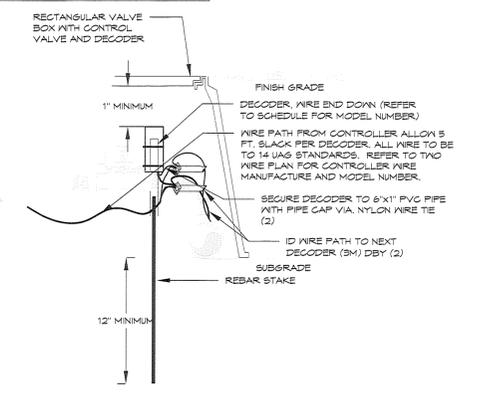
HI-POP GEAR DRIVEN ROTOR 11

NOTE:
 • DIAMETERS OF FITTINGS AND NIPPLES SHALL EQUAL ROTOR INLET DIAMETER.
 • SET ROTOR PERPENDICULAR TO FINISH GRADE.
 • APPLY TEFLON TAPE ALL PVC MALE THREADED FITTINGS.

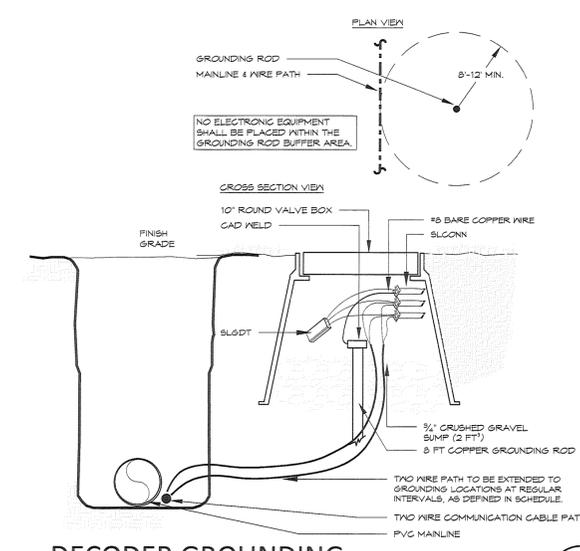


ELECTRIC CONTROL VALVE TWO WIRE SYSTEM 12

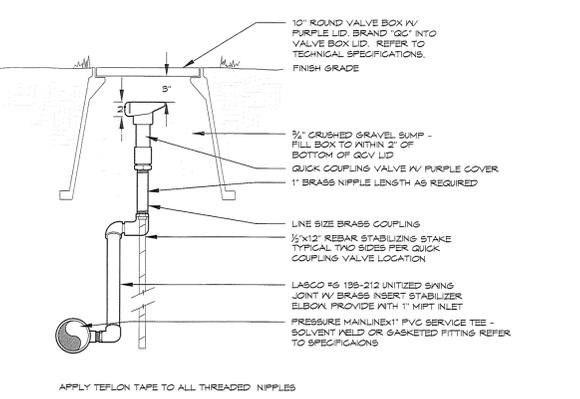
NOTE: DIAMETERS OF BALL VALVES, PVC FITTINGS AND NIPPLES SHALL EQUAL ELECTRIC CONTROL VALVE DIAMETER. VALVE BOXES SHALL BE INSTALLED PARALLEL OR PERPENDICULAR TO ADJACENT SIDEWALKS AND HARD SURFACES (WHERE APPLICABLE). APPLY TEFLON TAPE TO ALL MALE THREADED FITTINGS AND THREADED NIPPLES.



DECODER INSTALLATION TWO-WIRE SYSTEM 13

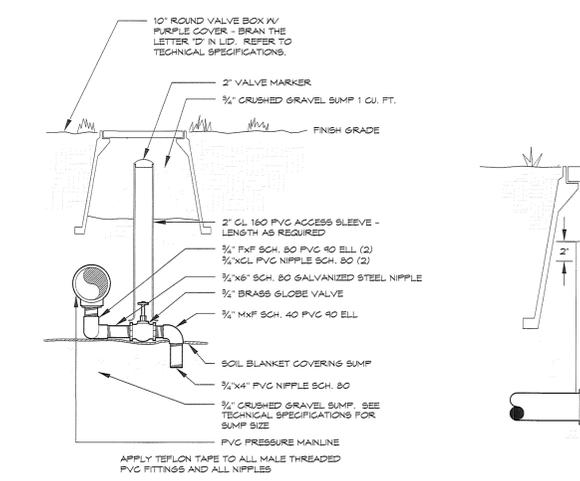


DECODER GROUNDING VIA GROUNDING ROD 14



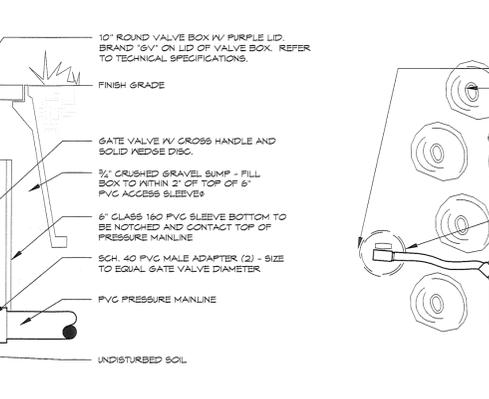
QUICK COUPLING VALVE 15

APPLY TEFLON TAPE TO ALL THREADED NIPPLES

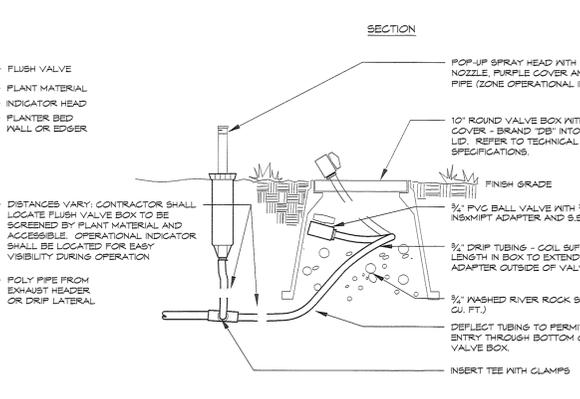


MANUAL DRAIN VALVE 16

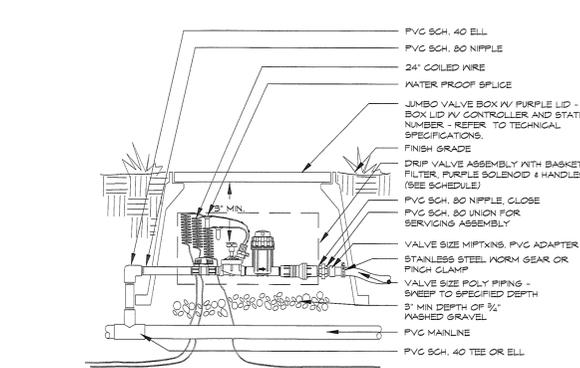
APPLY TEFLON TAPE TO ALL MALE THREADED PVC FITTINGS AND ALL NIPPLES



GATE VALVE 2 1/2\"/>

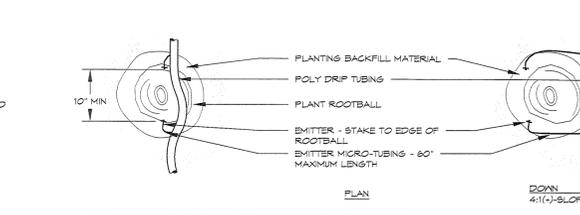


DRIP FLUSH VALVE WITH OPERATIONAL INDICATOR 18



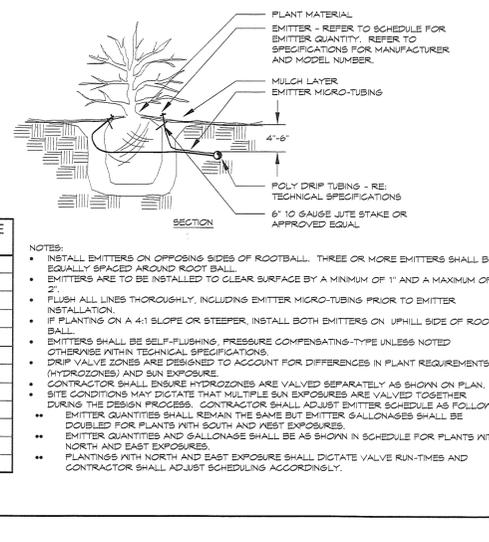
DRIP VALVE TWO-WIRE SYSTEM 19

NOTE:
 INSTALL ASSEMBLY TO REST ON GRAVEL SUMP. CONTAIN ENTIRE ASSEMBLY WITHIN BOX. NO VALVE BOX EXTENSIONS WILL BE ACCEPTED. PROVIDE 3/4\"/>



DRIP EMITTER BELOW GRADE 20

PLANT SIZE	EMITTER FLOW RATE	EMITTER QTY. AT MULCHED BED LOCATIONS	EMITTER QTY. AT NATIVE SEED LOCATIONS
1 - 2 GALLON MATERIAL	0.5 GPH	ONE EACH	ONE EACH
5 GALLON MATERIAL	0.5 GPH	TWO EACH	TWO EACH
1 1/2\"/>			



NOTES:
 • INSTALL EMITTERS ON OPPOSING SIDES OF ROOTBALL. THREE OR MORE EMITTERS SHALL BE EQUALLY SPACED AROUND ROOT BALL.
 • EMITTERS ARE TO BE INSTALLED TO CLEAR SURFACE BY A MINIMUM OF 1\"/>

REFER TO SHEET
 23 IRRIGATION NOTES & SCHEDULE
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DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

IRRIGATION DETAILS

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
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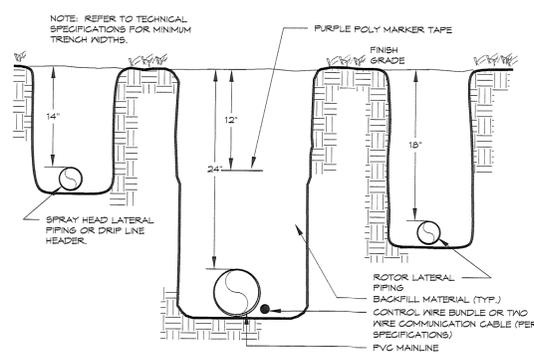
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811
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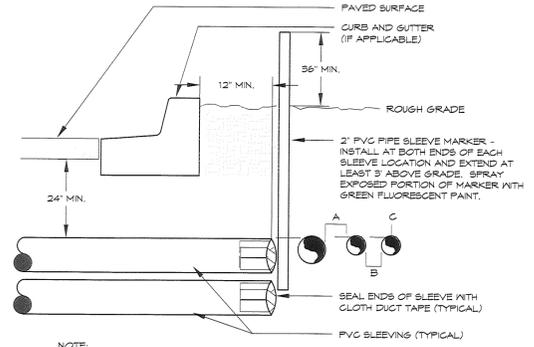
HydroSystems-KDI, Inc.
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FDP - Amendment No. 1
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 Planned Unit Development
 IRRIGATION DETAILS
 Town of Firestone
 Weld County
 State of Colorado
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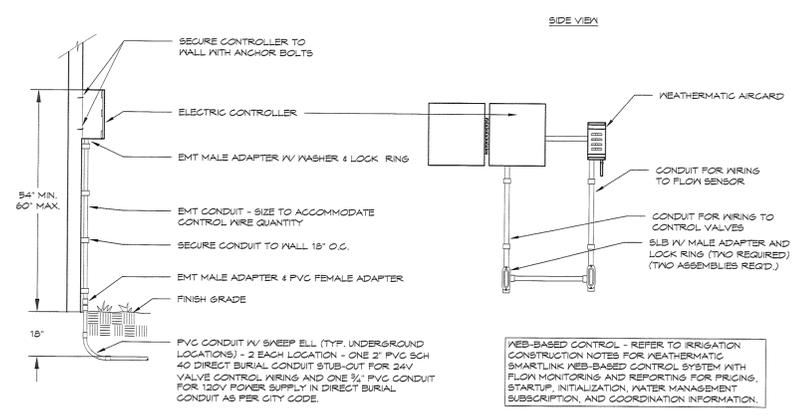
**FDP - AMENDMENT NO. 1
 BAREFOOT LAKES FILING NO. 2**
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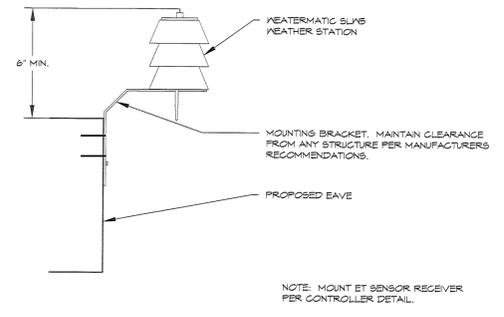
TRENCH
 2 1/2" & SMALLER 21



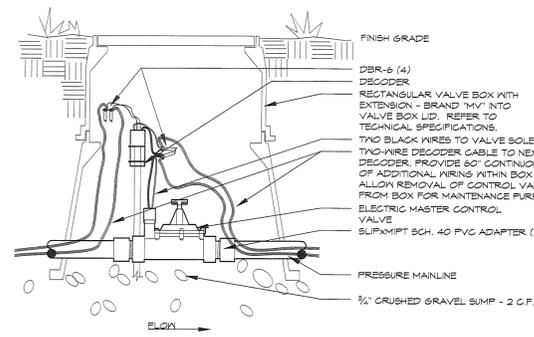
IRRIGATION SLEEVING 22



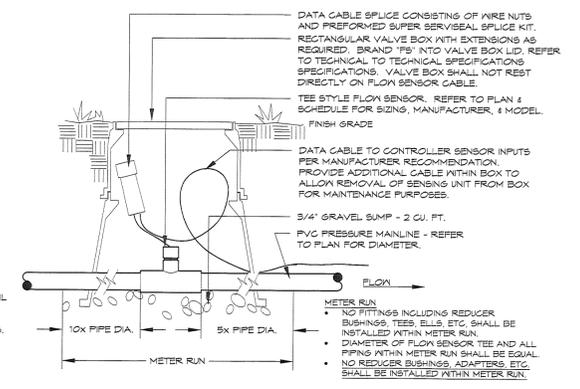
ELECTRIC CONTROLLER
 EXTERIOR WALL MOUNT 23



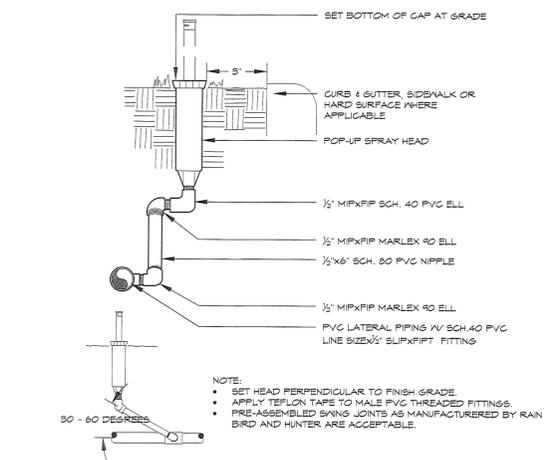
WEATHER SENSOR
 Eave Mounted - Wireless 24



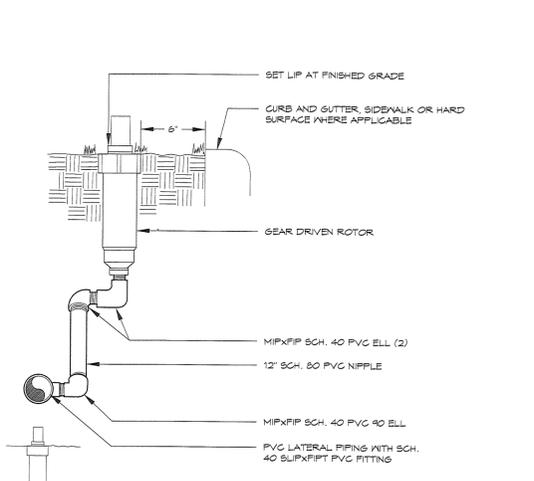
MASTER VALVE
 VIA DECODER - TAPS 2" & SMALLER 25



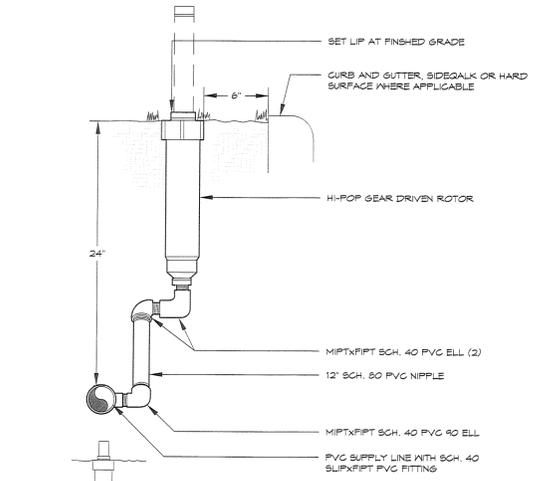
FLOW SENSOR
 TEE STYLE 26



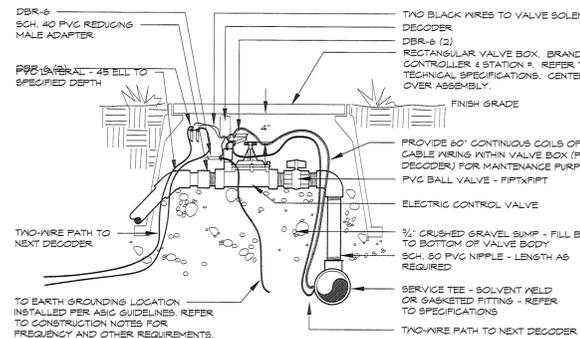
POP-UP SPRAY HEAD 27



GEAR DRIVEN ROTOR 28



HI-POP GEAR DRIVEN ROTOR 29



ELECTRIC CONTROL VALVE
 TWO-WIRE SYSTEM - PVC PIPE 30

REFER TO SHEET
 23 IRRIGATION NOTES & SCHEDULE
 25 IRRIGATION OVERALL KEY
 25 - 30 IRRIGATION PLANS
 31 - 34 IRRIGATION DETAILS



Know what's below.
 Call before you dig.
 CALL BUSINESS DAYS IN ADVANCE BEFORE YOU DIG. GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

HydroSystems-KDI, Inc. Irrigation Consulting
 860 Tabor Street, Suite 200
 Lakewood, Colorado 80401
 303-980-5327
 303-980-5384 (fax)

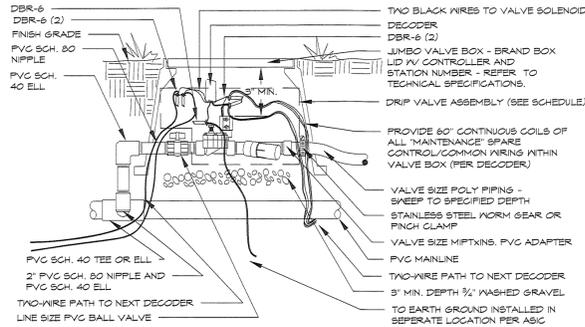
DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK	
BAREFOOT LAKES	
IRRIGATION DETAILS	
Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
Revision 2:	8.30.2018
Revision 3:	
Sheet	33 of 36

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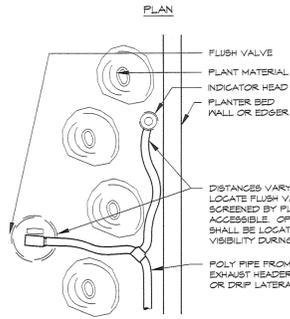
FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 IRRIGATION DETAILS
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 34 of 36

NOTE:
 INSTALL ASSEMBLY TO REST ON GRAVEL SUMP. CONTAIN ENTIRE ASSEMBLY WITHIN BOX. NO VALVE BOX EXTENSIONS WILL BE ACCEPTED. PROVIDE 3"-4" CLEARANCE BETWEEN TOP OF CONTROL VALVE SOLENOID AND BOTTOM OF VALVE BOX LID. TOP OF VALVE BOX TO BE FLUSH WITH FINISH GRADE. VALVE BOX SHALL NOT REST ON DRIP TUBING.



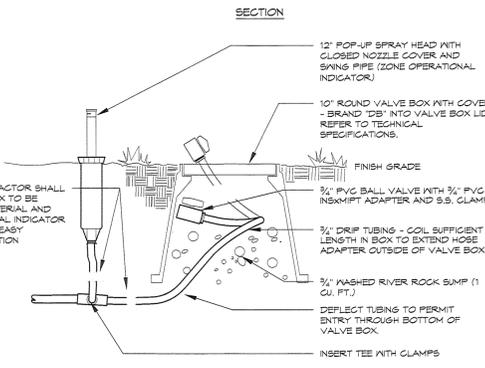
DRIP VALVE
 TWO-WIRE SYSTEM - KIT - POLY PIPE

31



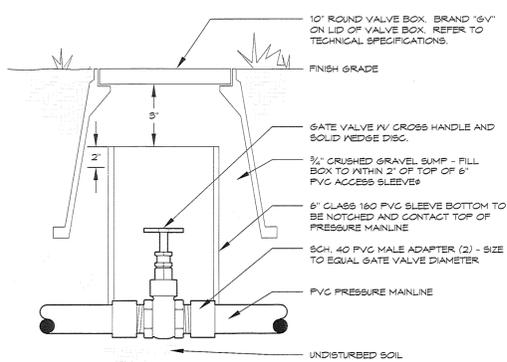
DRIP FLUSH VALVE
 WITH OPERATIONAL INDICATOR

32



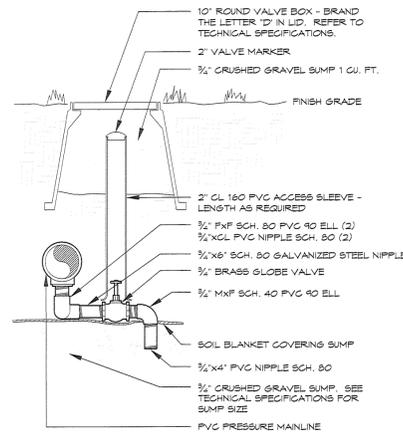
QUICK COUPLING VALVE

33



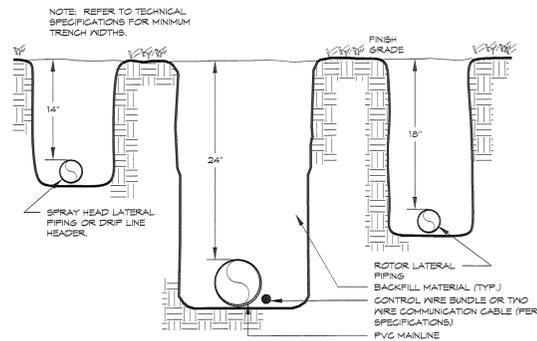
GATE VALVE
 2 1/2" and SMALLER

34



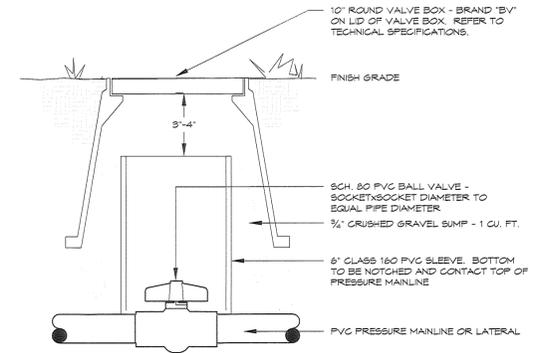
MANUAL DRAIN VALVE

35



TRENCH
 2 1/2" & SMALLER

36



PIPING SHUT-OFF VALVE

37

REFER TO SHEET

- 23 IRRIGATION NOTES & SCHEDULE
- 25 IRRIGATION OVERALL KEY
- 25 - 30 IRRIGATION PLANS
- 31 - 34 IRRIGATION DETAILS



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 860 Tabor Street, Suite 200
 Littleton, Colorado 80401
 303-860-5327
 303-860-5384 (fax)

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
Revision 2:	8.30.2018
Revision 3:	

Sheet 34 of 36

4438318 Pages: 35 of 36
 10/12/2018 03:28 PM R Fee: \$385.00
 Clerk and Recorder, Weld County, CO

FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 PHOTOMETRIC PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 35 of 36

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1390 Lawrence Street, Suite 100
 Denver, CO 80204-2048
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FDP - AMENDMENT NO. 1
 BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

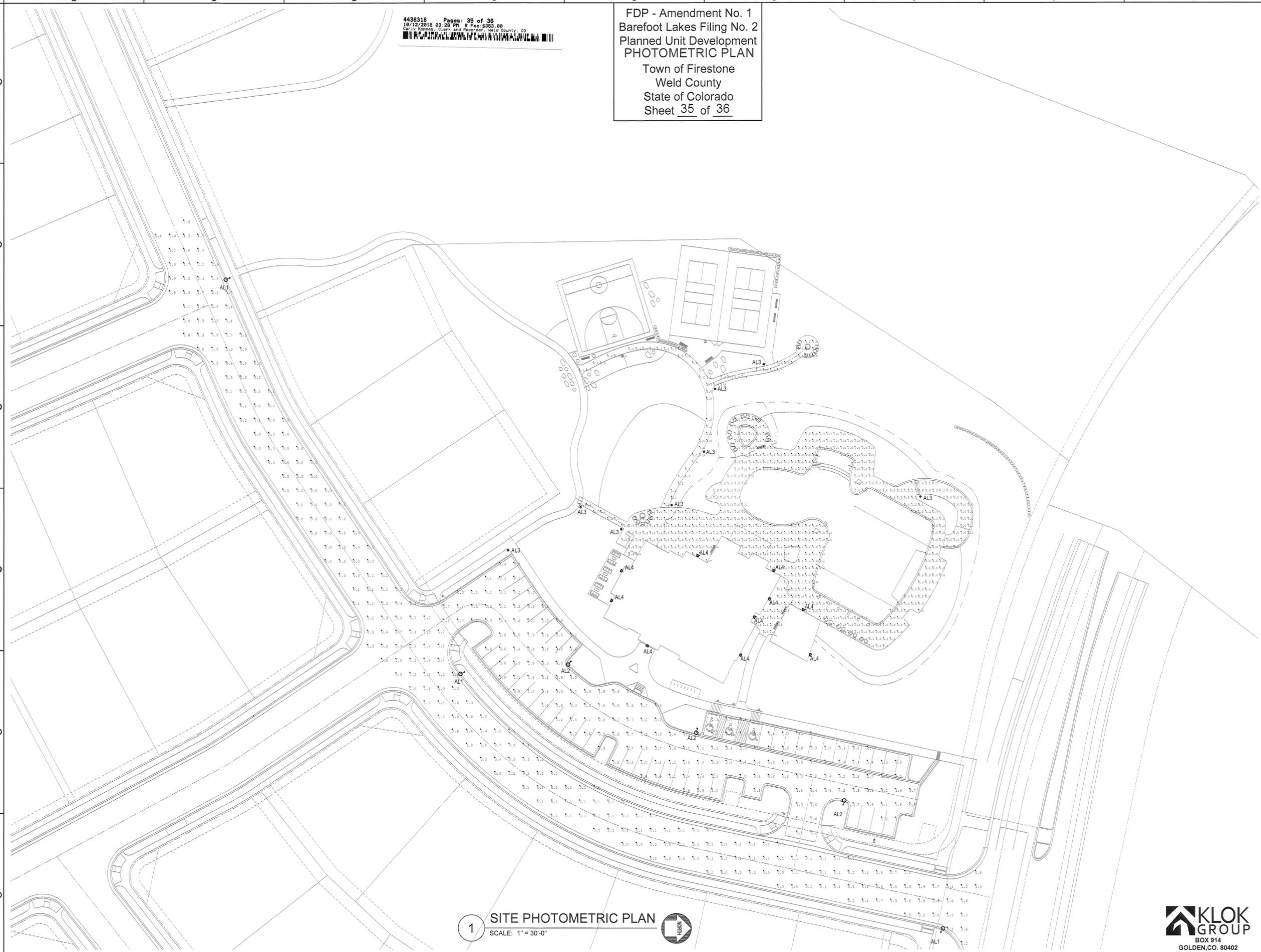
DW PROJECT NUMBER: 5311

FIRESTONE
 INFORMATION BLOCK

BAREFOOT LAKES

SITE
 PHOTOMETRIC
 PLAN

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
Revision 1:	7.13.2018
Revision 2:	8.31.2018
Revision 3:	
Sheet	35 of 36



1 SITE PHOTOMETRIC PLAN
 SCALE: 1" = 30'-0"

KLOK GROUP
 BOX 914
 GOLDEN, CO. 80402
 Phone: 720-398-2410
 KG@KLOGROUP.COM

4436318 Pages: 36 of 36
 10/12/2016 03:23 PM Fee: \$363.00
 Carly Koppes, Clerk and Recorder, Weld County, CO
 www.weldcounty.org

FDP - Amendment No. 1
 Barefoot Lakes Filing No. 2
 Planned Unit Development
 PHOTOMETRIC CUTSHEETS
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 36 of 36

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FDP - AMENDMENT NO. 1
BAREFOOT LAKES FILING NO. 2
 TOWN OF FIRESTONE
 WELD COUNTY
 STATE OF COLORADO

LUMINAIRE SCHEDULE									
TYPE	LAMPS/KELVIN	DESCRIPTION	LLF	INITIAL LUMENS	MOUNTING HEIGHT	WATTS, VA	VOLTS	MANUFACTURER/CAT. NO.	NOTES
AL1	LED-4000K	TOWN OF FIRESTONE STANDARD STREETLIGHT	1.0	12,500	25'-0"	130	120	AAL UCL-ANG-T3-56LED-4K-700-BLT + SAL17(5)-BLT + VALMONT DS340-R5006250-P9-FPBK-FBC-AB (POLE)	PHOTOCCELL CONTROL
AL2	LED-3000K	PARKING LOT LIGHT ON 18'-0" POLE	1.0	12,500	18'-0"	130	120	AAL UCL-ANG-T3-56LED-3K-700-BLT + SAL17(5)-BLT + VALMONT DS340-R400V180-P9-FPBK-FBC-	TIMELOCK CONTROL
AL3	LED-4000K	ARCHITECTURAL BOLLARD	1.0	1780	3'-6"	21	120	CREE PWY-EDG-5M-P4-02-E-UL-BK-350-40K	TIMELOCK CONTROL
AL4	LED-4000K	ARCHITECTURAL WALL SCONCE	1.0	2100	10'-0"	24	120	LITHONIA - WSR-LED-1-10A700/40K-SR3-MVOLT-PE-ELCW-20-FINISH	TIMELOCK CONTROL

Universe® Collection Large LED – UCL

FEATURES

- DLC GPL Listed
- Reliable, uniform, glare free illumination
- Types II, III, IV, V and custom distributions
- 3000K, 4000K, 5000K CCT
- D-10V dimming ready
- Inegral surge suppression
- UVShield™ thermal protection
- 15 standard powder coat finishes
- Upgrade Kits

SPECIFICATIONS

The top dimension is the height of fixture with LEDs or horizontal reflectors. EPR for horizontal configuration only.

HOOD	NO LUMINOUS	4 LUMINOUS WINDOW (WND)	SOLID RINGS (SR)	VERTICAL SLOTS (VSL)	LUMINOUS RINGS (LUM)
Angled (ANG)	DA 30"/80 mm HT 21 1/4"/54 mm WT 47 lbs EPR 1.12	HT 26 7/8"/68 mm WT 55 lbs EPR 1.36			
Bell (BELL)	DA 30"/80 mm HT 22 5/8"/58 mm WT 47 lbs EPR 1.16	HT 26 7/8"/68 mm WT 55 lbs EPR 1.36			
Flared (FLR)	DA 32"/83 mm HT 21 5/8"/55 mm WT 47 lbs EPR 1.05	HT 26 7/8"/68 mm WT 55 lbs EPR 1.36			
Skirted Bell (SKB)	DA 32"/83 mm HT 21 5/8"/55 mm WT 47 lbs EPR 1.12	HT 26 7/8"/68 mm WT 55 lbs EPR 1.36			

ARCHITECTURAL AREA LIGHTING
 17760 Rowland Street | City of Industry, CA 91748
 P 626.966.5066 | F 626.369.2000 | www.aal.net
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Universe® Collection Large LED – UCL

ORDERING INFORMATION

MODEL 1 2 3 4 5 6 7 8
 UCL Luminous/Hood Distribution CCT Drive Current Color Options Controls Mounting

1. LUMINOUS ELEMENTS/HOOD

HOOD ONLY
 ANG Angled
 BELL Bell
 FLR Flared
 SKB Skirted Bell

Four Luminous Windows
 WND-ANG
 WND-BELL
 WND-FLR
 WND-SKB

Solid Rings
 SR-ANG
 SR-BELL
 SR-FLR
 SR-SKB

Vertical Slots
 VSL-ANG
 VSL-BELL
 VSL-FLR
 VSL-SKB

Luminous Rings
 LUM-ANG
 LUM-BELL
 LUM-FLR
 LUM-SKB

Luminous Rings Color Option
 BLU (Blue inner ring)
 GRN (Green inner ring)
 COP (Copper)
 STS (Stainless steel)

2. DISTRIBUTION

Monocore Precision aimed optics

3. COLOR TEMPERATURE
 CCT 3000K, 4000K, 5000K

4. DRIVE CURRENT
 700, 450

5. COLOR STANDARD COLOR
 WH White
 BL Black
 BLT Matte Black
 DB Dark Bronze
 DGN Dark Green
 TT Titanium
 WDB Weathered Bronze
 WDB Water Blue
 CRT Copper
 MALL Matte Aluminum
 MD Medium Grey
 AGN Antique Green
 LGS Light Grey

6. OPTIONS

HOOD OPTIONS – May choose one:
 FLD (Clear lens glass lens)
 HSS (Haze Side Shield for Type II)
 FLD (Lightly textured finish on flat glass lens)

LENSE OPTIONS – May choose one:
 FLD (Clear lens glass lens)
 HSS (Haze Side Shield for Type II)
 FLD (Lightly textured finish on flat glass lens)

OTHERS
 SLC (Luminous element remains unlit during normal operation)

7. CONTROL
 PCA-C (Remote Photocell-Controllable)
 SCP (Sensor Control-Programmable) pole accessories is available to provide occupancy detection for outdoor applications meeting California Title 24. For complete spec sheet and ordering information, visit www.aal.net, products section, accessories/programmable.

8. MOUNTING – Must choose one
 POLE MOUNT
 SLA3 SLA4
 SLA4-2 SLA7
 SLA7-2 SLA7(B)
 SLA7(B)-2 SLA8D
 SLA9 SLA9-2
 SLA10 SLA10-2
 SLA16 SLA16-2
 SLA17 SLA17-2
 SLA17(B) SLA17(B)-2
 SLA18 SLA18-2
 SLA20 SLA20-2
 SLA20A SLA20A-2
 SLA20B SLA20B-2
 SLA20C SLA20C-2
 SLA20D SLA20D-2
 SLA22D SLA22
 SLA24-2 SLA24(B)
 SLA24(B)-2 TRA2
 TRA7 TRAB-2
 TRAB TRAB-2

WALL MOUNT
 WMA4 WMA5
 WMA6 WMA8
 WMA10 WMA10
 WMA11 WMA12
 WMA16 WMA17
 WMA20 WMA20
 WMA22D WMA24
 WMA27 WMA28
 WMA39

Visit www.aal.net for Armco, Phoenix & Accessories Specification Guide

ARCHITECTURAL AREA LIGHTING
 17760 Rowland Street | City of Industry, CA 91748
 P 626.966.5066 | F 626.369.2000 | www.aal.net
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Cree Edge™ Series
 LED Pathway Luminaire

Product Description

Durable one cast aluminum luminaire housing mounts directly to 1" (25.4mm) diameter pole (included) without visible mounting hardware for clean appearance. Pole mounts to rugged die cast aluminum internal flange secured by three 3/8" - 16x4" anchor bolts with 1 1/4" hook (provided). Note: T45 Torx 2.8" socket required for head installation. Top mounted LEDs for superior optical performance and light control.

Performance Summary

Patented Non-Uniformity Product Technology
 Made in the U.S.A. w/ U.S. and imported parts
 CRI Minimum 70 CRI
 CCT: 4000K (-/-), 3000K, 5700K (-/-), 5000K standard
 Limited Warranty: 10 years on Luminaire/15 years on Colorfast DataGuard® finish

Accessories

Field-installed

Upgrade Kit
 Includes replacement of existing luminaire with a ball nose order of 5.7" (146mm) diameter
 KA-SPR1000 KA-SPR1002
 KA-SPR1001 KA-SPR1002

Ordering Information

Example: PWW-EDG-5M-P4-02-E-UL-BK-350-40K

Product	Optic	Mounting	LED Count	Series	Voltage	Color	Drive Current	Options
PWW-EDG-2M	FO	PO	12	E	120V	BK	350	F, Free
Product	Optic	Mounting <td>LED Count <td>Series <td>Voltage <td>Color <td>Drive Current <td>Options</td> </td></td></td></td></td>	LED Count <td>Series <td>Voltage <td>Color <td>Drive Current <td>Options</td> </td></td></td></td>	Series <td>Voltage <td>Color <td>Drive Current <td>Options</td> </td></td></td>	Voltage <td>Color <td>Drive Current <td>Options</td> </td></td>	Color <td>Drive Current <td>Options</td> </td>	Drive Current <td>Options</td>	Options

Rev. Date: 10/28/12/2016
 www.cree.com/products
 T 800.473-2234 F 800.819-7507

WSR LED
 Architectural Wall Sconce

Introduction

The classic Architectural Wall Sconce is now available with the latest in LED technology. The result is a long-life, maintenance-free product with typical energy savings of 75% compared to metal halide versions. The integral battery backup option provides emergency egress lighting, without the use of a back-box or remote gear, so installations maintain their aesthetic integrity.

The WSR LED is ideal for replacing existing 50 – 175W metal halide wall-mounted products. The expected service life is 20+ years of nighttime use.

Specifications

Luminaire
 Height: 7-1/4" (188mm)
 Width: 18" (457mm)
 Depth: 9" (229mm)
 Weight: 17 lbs (7.7kg)

Optional Back Box (BBW)
 Height: 4" (102mm)
 Width: 5-1/2" (140mm)
 Depth: 1-1/2" (38mm)

Ordering Information

EXAMPLE: WSR LED 2 10A700/40K SR3 MVOLT DBD8TXD

WSR LED	Series	Lighting/Control	Performance	Distribution	Voltage	Mounting	Options	Shipped installed	Field-installed
WSR LED	1	One height (VSL)	700 mA options (SR3)	SR3	120V	AWCET	Shipped installed	Shipped installed	DBD80
	2	Two heights (VSL)	10A700/40K (SR3)	SR3	120V	AWCET	Shipped installed	Shipped installed	DBD80

Accessories

WSR-EDG-2M-PO-02-E-UL-BK-350-40K

NOTES

- AWCET driver operates on any line voltage from 120-277V (50/60 Hz)
- Single Line LED requires 120V-277V AC input. Double Line (DL) requires 200V-240V or 480V systems.
- Must be ordered with fixture unless noted on field install.
- Shipped 120, 208, 240 or 277 voltages only depending on temperature.
- Not available with 480V system. Not available with motion/ambient light sensor (SR).
- Shipped battery pack is used for 3000K or 5700K operating temperatures.
- Not available with 277 or 480V AC input.
- Cannot be used in California. Not qualified under CEC T20 requirements.
- Shipped separately
- See P8 Table
- Prevent LED's excessive operation on hot independent circuits and light engines on non separate circuits. Not available with one engine. AWCET, EDCU, WSL, SR or DL. Must specify voltage, wattage must be the same for field items. When ordered with photoeye (PE) or motion sensor (SR), only one primary power source needs to be ordered.
- See electrical section on page 2 for more details.

One Lithonia Way • Conyers, Georgia 30012 • Phone: 877.801.1111
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FIXTURE TYPE AL1/AL2

FIXTURE TYPE AL3

FIXTURE TYPE AL4

KLOK GROUP
 BOX 914
 GOLDEN, CO. 80402
 Phone: 720-399-2410
 KG@KLOGROUP.COM

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES SITE PHOTOMETRIC CUTSHEETS

Name of application:	Barefoot Lakes Filing No. 2
Type of Submittal:	FDP - Amendment No. 1
Filing #:	2
Phase #:	
Submittal 1:	3.23.2018
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Sheet	36 of 36

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