

APPROVAL BLOCK

Approved by the Board of Trustees of the Town of Firestone, Colorado this 27th day of September, 2017, by Resolution No. 17-46.

Paul Sou Mayor
Leah Vanarsdall ATTEST: Town Clerk



4375618 Pages: 1 of 45
 02/15/2018 12:25 PM R Fee: \$453.00
 Clerk and Recorder Weld County, CO

Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
COVER AND NARRATIVE
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 1 of 45

SHEET INDEX

Sheet No.	Sheet Title
01	Cover and Narrative
02	Narrative
03	Sheet Key - Reference Plan
04	Overall Site Plan and Phasing
05	Site Plan - Overall Peninsula
06	Site Plan - Peninsula
07	Site Plan - Peninsula
08	Site Plan - Peninsula
09	Site Plan - Peninsula
10	Site Plan Enlargement
11	Horizontal Control Plan
12	Site Details (Civil)
13	Site Details (Civil)
14	Site Details (Civil)
15	Grading Plan - Overall Peninsula
16	Utility Plan - Overall Peninsula
17	Lighting Notes
18	Lighting Plan and Details
19	Photometric Plan
20	Electrical Plan
21	Site Structure: Shelters
22	Site Structure: Shelters
23	Site Structure: Restroom Elevations
24	Site Structure: Restroom Elevations
25	Site Furnishings
26	Play Equipment
27	Fitness Equipment
28	Site Structure: Pier
29	Site Structure: Floating Dock
30	Landscape Standards
31	Overall Peninsula Landscape Plan
32	Landscape Plan
33	Landscape Plan
34	Landscape Plan
35	Landscape Plan
36	Landscape Plan Enlargement
37	Landscape Details
38	Landscape Details
39	Irrigation Notes
40	Overall Irrigation Plan
41	Irrigation Details
42	Irrigation Details
43	Irrigation Design Intent Plan
44	Signage and Wayfinding, Lake Trails
45	Signage and Wayfinding Details

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ACCEPTANCE BLOCK

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

ST. VRAIN LAKES METROPOLITAN DISTRICT NO. 1

M. Savel
 Name, Title (printed)
MARC SAVELA PRESIDENT
 STATE OF COLORADO)
 County of Arapahoe) SS

The foregoing instrument was acknowledged before me this 13th day of December, 2017, by Marc Savela as President of St. Vrain Lakes Metropolitan District No. 1.

Witness my hand and official seal

Darci Dawn Bertram
 Notary Public



My commission expires 08/05/2018

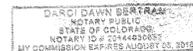
**BAREFOOT LLC, A COLORADO LIMITED LIABILITY COMPANY
 FKA CARMA BAYSHORE LLC, A COLORADO LIMITED LIABILITY COMPANY**

Richard J. Klingler Carlynn Savelle
 Name, Title (printed) Name, Title (printed)
President Colorado **Secretary**
 STATE OF COLORADO)
 County of Arapahoe) SS

The foregoing instrument was acknowledged before me this 13th day of December, 2017, by Richard J. Klingler as President Colorado and Carlynn Savelle as Secretary of Barefoot LLC, a Colorado Limited Liability Company.

Witness my hand and official seal

Darci Dawn Bertram
 Notary Public



My commission expires 08/05/2018

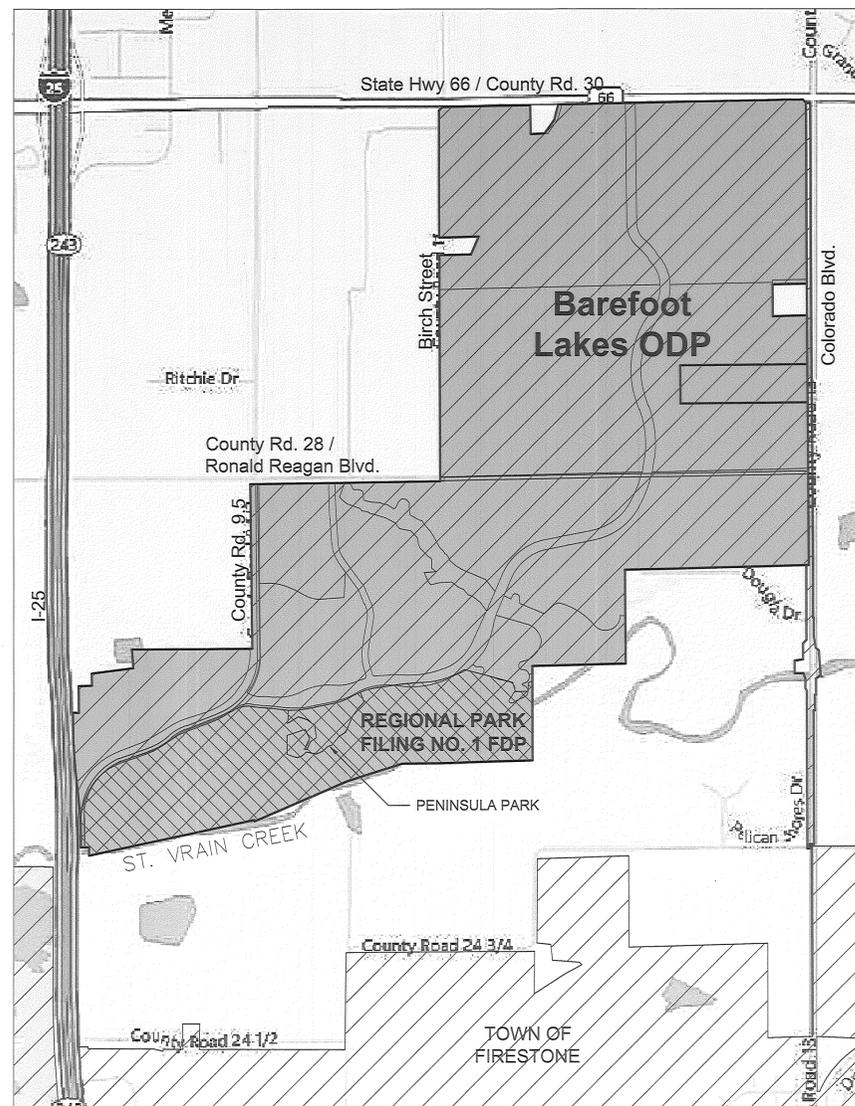
OWNER / DEVELOPERS
St. Vrain Lakes Metro District 1
 6465 S. Greenwood Plaza Blvd,
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 Tel: (303) 790-6605
 Facsimile: (303) 706-9453
 Email: Marc Savela
 Marc.Savela@brookfieldrp.com

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 Tel: (303) 790-6311
 Facsimile: (303) 706-9453
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CIVIL ENGINEER:
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 Littleton, CO 80120
 Tel: (720) 283-6783
 Email: Fred Tafoya
 tafoya@redland.com

LANDSCAPE ARCHITECT:
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 Email: Jake Sippy
 jsippy@designworkshop.com

LOCATION MAP



LEGAL DESCRIPTION

TRACT A AND TRACT B, BAREFOOT LAKES REGIONAL PARK FILING NO. 1, RECORDED UNDER RECEPTION NO. _____, TOWN OF FIRESTONE, WELD COUNTY, COLORADO.

CONTAINING AN AREA OF 186.258 ACRES, (8,113,396 SQUARE FEET), MORE OR LESS.

**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1
 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 REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017

Sheet 1 of 45

PROJECT NARRATIVE

Project Concept

Barefoot Lakes development (the "Development") is an approximately 1,306-acre master-planned community that is intended to be developed as an asset to the Town of Firestone and the region. The Barefoot Lakes Regional Park Filing No. 1 Final Development Plan (FDP) within Planning Area 12 (PA 12) is within the first phase of the Barefoot Lakes Outline Development Plan (ODP) and provides more detailed planning and technical utility information. The FDP includes Peninsula Park and continuation of the trail around the lakes, both of which are identified in the ODP.

This FDP includes distinctive play spaces, shelters, walking trails, and regionally appropriate planting, demonstrating how the community will realize its founding principles: being a distinctive place, encouraging stewardship of nature, supporting wellness, and providing recreation opportunities for all ages and abilities through inclusive design. This FDP is a key phase of what will eventually be a robust active and passive recreation program that includes over 200 acres of open space and parks, as described in the ODP.

This FDP is consistent with the ODP for this property, which describes the residential developments as complementary to the region, and provides a necessary residential base for the Town of Firestone and Firestone's expanding regional commercial and employment centers.

Water Dedication

The water service to Barefoot Lakes Regional Park Filing No. 1 is provided by Little Thompson Water District. The Developer will satisfy the water dedication requirement by a separate agreement with the Water District.

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 within the FDP shall be maintained by SVL Metro.

It is understood that Peninsula Park will be dedicated to the Town of Firestone with the plat, and following construction and conditional acceptance of the public improvements maintenance will be the responsibility of the Town, as described in the Development Agreement. The Town will be responsible for snow removal of the trails around the lakes and at Peninsula Park.

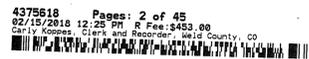
It has been previously determined that the St. Vrain Lakes Metropolitan District is responsible for monitoring, reporting, and maintaining the water quality of the lake at Barefoot Lakes. Any herbicide or pesticide applied within 50' of the Ordinary High Water Level must be wetland/aquatic safe.

Please see the tract table for more information on maintenance and control.

Land-Use Table			
Land Use	Square Feet	Acres	% of Total
Tract A	7,627,743	175.11	94%
Tract B	485,653	11.15	6%
Totals*	8,113,396	186.26	100%

Parks, Trails, and Open Space

Tract A represents the Regional Park, while Tract B represents Peninsula Park. Sufficient park dedication for the entire site was planned as part of the ODP. Within its 11.2 acres there will be shade structures, multi-purpose lawns, a play area, a fitness track and several concrete pads where food trucks or performance equipment could be set up. While the sand area is not intended to serve as a swim beach, there will be a dock to facilitate canoe and paddleboat access to the water. There will be a restroom facility at one of the structures. The public landscape and open space surrounding the single-family residences will be low water use, naturalistic in style, and favoring native and adaptive species.



Final Development Plan
Barefoot Lakes
Regional Park Filing No. 1
NARRATIVE
Town of Firestone
Weld County
State of Colorado
Sheet 2 of 45

The park trails link up with the multi-purpose trail circumnavigating the lakes, continuing the 10' wide trail installed as part of Barefoot Lakes Filing No. 1, and serving as the Regional Trail identified in the ODP. These trails link up to the larger network of tract trails throughout the Barefoot Lakes community, promoting connectivity beyond the boundary of the FDP. Several bike racks are provided within the park to encourage residents to visit without ever needing to enter their cars.

Tract Land Use

As defined by Town of Firestone Development Regulations, PUD land use categories of Open Space can include active and passive open space uses and landscape enhancements of developed areas. Active open space uses can include tot lots, playgrounds, sports fields, and trails. Passive open space uses can include naturalized areas, greenbelts, trails and gardens. Drainage improvements, monumentation, signage, pedestrian access, and utilities are permitted in Barefoot Lakes open space.

Tract Use Summary Table							
Tract	Area (sf)	Area (ac)	Impervious Area (sf)	% Impervious	Use	Owner	Maintained By
A	7,627,743	175.11	189,740	2.5%	O, PA	SVLMD	SVLMD, Town
B	485,653	11.15	40,034	8.2%	O, P, PA	Town	Town
Totals	8,113,396	186.26	229,774	2.8%			

TRACT SUMMARY LEGEND
O = OPEN SPACE P = PARK PA = PEDESTRIAN ACCESS

Environmental Impact Mitigation

The Environmental Site Assessment prepared by ERO Resources identified no known wetlands, streams, or predominately tree-covered areas in the FDP. Furthermore, since the site had been used for agriculture for many preceding years, there does not appear to be any evidence of additional wetlands, underlying historical or archeological sites, or significant trees based on visual observation of property in the FDP.

Controls

Please refer to the Private Maintenance and Enforcement and Tract Use Summary Table.

Drainage

Drainage improvements for the proposed Development consist of landscaped swales, roads, storm sewer, and water quality/detention facilities. Improvements will be phased to coincide with each anticipated development phase. Refer to the Final Drainage Report for Barefoot Lakes Regional Park Filing No. 1 prepared by Redland, dated August 21, 2017, filed with the FDP.

Utilities and Service Requirements

The Development is planned to be served by the following:

1. Metro Districts - Saint Vrain Lakes Metropolitan District No. 1 (SVL Metro)
2. Gas - Black Hills Energy
3. Electric - United Power
4. Telephone - Century Link
5. Recreation - Town of Firestone, Carbon Valley Park and Recreation District, and/or SVL Metro
6. Police Protection - Town of Firestone
7. Fire Protection - Frederick-Firestone Fire Protection District
8. Potable Water - Little Thompson Water District
9. Sanitary Sewer - St. Vrain Sanitation District
10. Schools - St. Vrain Valley School District, RE-1J
11. Street Maintenance of Town Owned Public Streets - Town of Firestone

12. Stormwater Facility Maintenance (except operation of the lakes) - Town of Firestone
13. Lake Management - SVL Metro and/or Little Thompson Water District
14. Raw Water Irrigation System (if developed in the future) - SVL Metro and/or Little Thompson Water District

Parking

The parking lot has a capacity of approximately 119 cars. 63 paved spaces, 6 of which are accessible, and approximately 56 additional spaces in the overflow area to the east of the paved area for special events. With the availability of trails, it is anticipated that many residents will walk or ride their bikes to the park, reducing the amount of parking spaces that may typically be required. Access into the park is by way of a drive that meets Barefoot Lakes Parkway, aligned with the existing connection in the median between the eastbound and westbound lanes. To prevent damage to the overflow parking area, two swing arm gates have been included to reserve access for events.

Lighting

It is recognized that the Town of Firestone parks are generally closed from one hour after dusk to one hour before dawn. Lighting at Peninsula Park will primarily serve safety, security and aesthetic purposes, but will also be useful for the occasional evening concert or movie-in-the-park night. The access drive and parking area will be minimally lit for safety. The main around the amphitheater lawn will be minimally lit for safety, while the two main pavilions will be lit for safety, security, and for aesthetics. It is anticipated lighting will run from dusk until midnight.

Fencing Standards

There is no fencing at this time.

Architecture Design Standards

There are no residential homes included in the FDP. Park structures will utilize a palette of materials and forms that echo the structures of Barefoot Lakes Filing No. 1. Park structures serve a utilitarian as well as aesthetic purpose, allowing shade and fostering community identity, while providing locations for picnics and restroom facilities. Refer to sheets 20 through 23 for renderings of the shade canopies and restroom.

Landscape Design Standards

Barefoot Lakes Regional Park Filing No. 1 makes use of a consistent landscape aesthetic to establish a consistent quality and character throughout the development, in particular with Barefoot Lakes Filing No. 1 and Barefoot Lakes Filing No. 2. For landscape standards, refer to Sheet 30.

Note that it is intended for the irrigation at the native grass areas to be eventually turned off once established. A watering schedule has been provided (Sheet 39); after a year the frequency will be approximately halved, and then halved again after a second year, and finally halved again after the third year. After the fourth year, it is anticipated that supplemental irrigation will not be required. Trees and shrubs will still be on drip irrigation, and wildflower areas will have irrigation available as needed.

Barefoot Lakes Signage Standards

Barefoot Lakes makes use of signature monumentation and a consistent aesthetic for all signs. For standards, refer to sheet 24, and sheets 13 - 14 for regulatory signs.

Development Schedule

At this time, development is scheduled to begin after approval of the Final Plat and FDP. It is expected that construction of all utility and street infrastructure will begin in 2017. Refer to the phasing plan on sheet 4.

Address

Tract B: 12400 Barefoot Lakes Parkway, Firestone, CO 80504

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BAREFOOT LAKES
REGIONAL PARK FILING NO. 1
TOWN OF FIRESTONE
WELD COUNTY, STATE OF COLORADO**

DW PROJECT NUMBER: 5311

**FIRESTONE
INFORMATION BLOCK**

BAREFOOT LAKES

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Sheet 2 of 45

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4375618 Pages: 3 of 45
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 Carly Kopas, Clerk and Recorder, Weld County, CO

Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 SHEET KEY - REFERENCE PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 3 of 45

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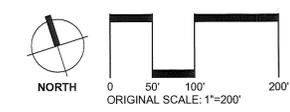
PENINSULA PLANS AND ENLARGEMENTS
 SHEETS: 6 THROUGH 10
 11
 32 THROUGH 36

OVERALL PROJECT PLAN
 SHEETS: 4

OVERALL PENINSULA PLANS
 SHEETS: 5
 15
 16
 18
 31
 40

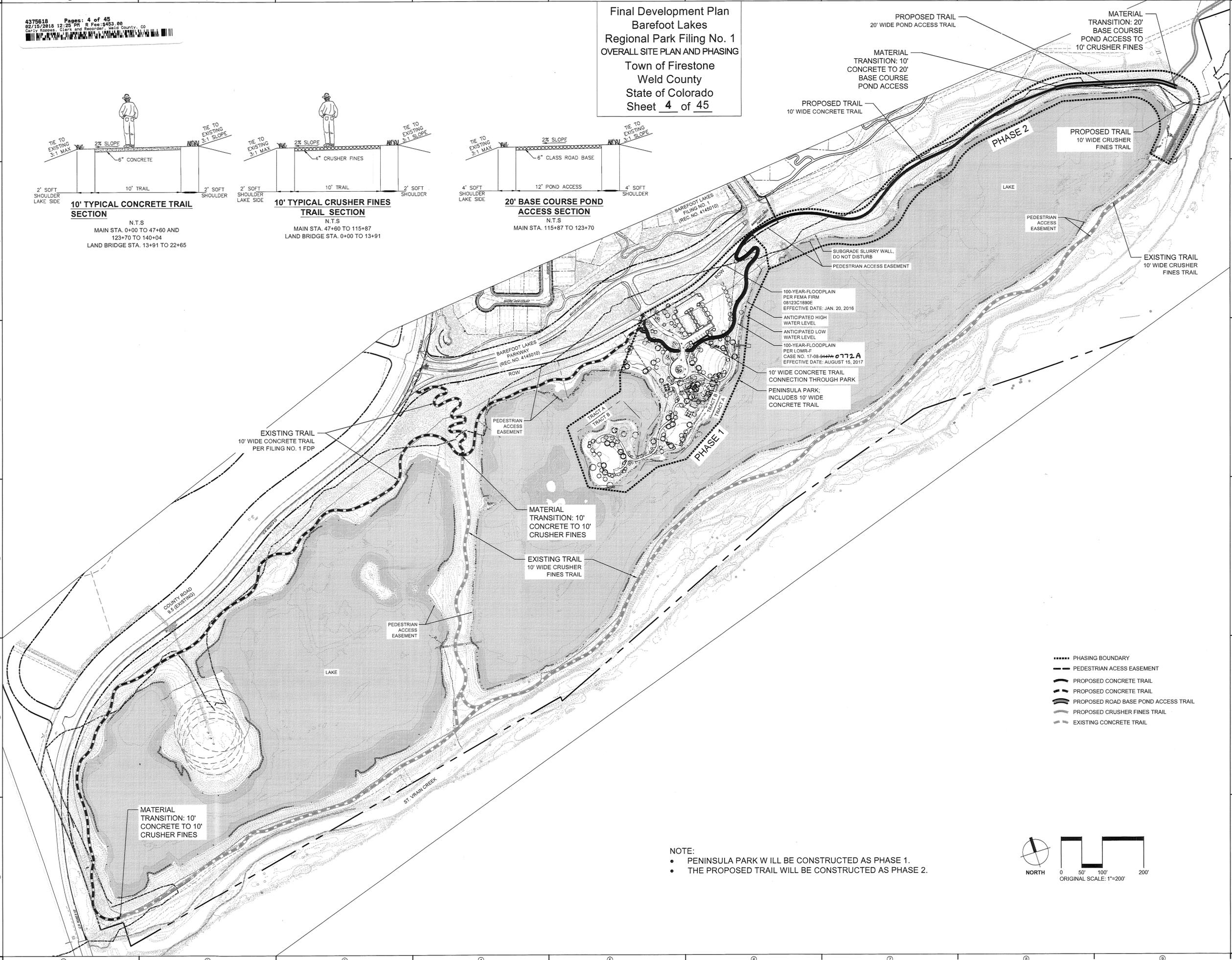
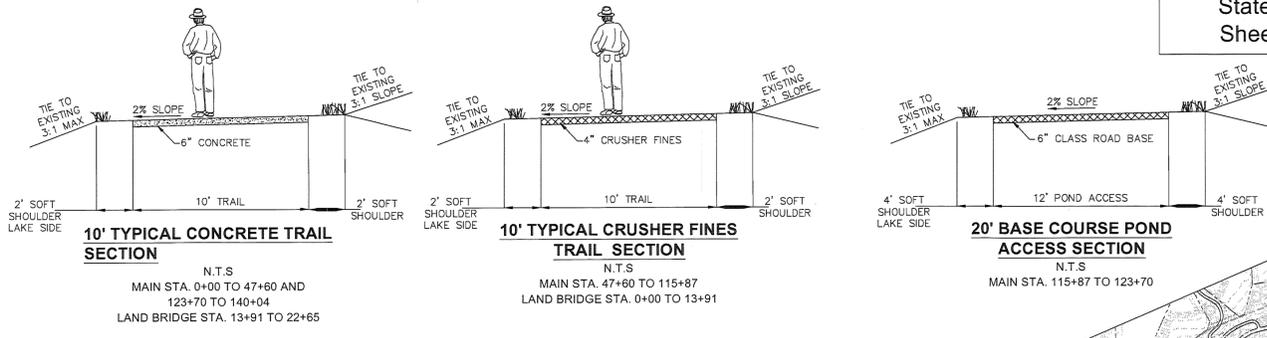
FINAL DEVELOPMENT PLAN
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REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311	
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SHEET KEY - REFERENCE PLAN	
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Sheet	<u>3</u> of <u>45</u>



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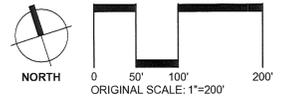
Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 OVERALL SITE PLAN AND PHASING
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 4 of 45



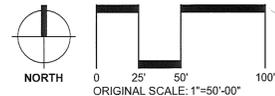
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 WELD COUNTY, STATE OF COLORADO

- PHASING BOUNDARY
- - - - - PEDESTRIAN ACCESS EASEMENT
- ===== PROPOSED CONCRETE TRAIL
- PROPOSED CONCRETE TRAIL
- PROPOSED ROAD BASE POND ACCESS TRAIL
- PROPOSED CRUSHER FINES TRAIL
- EXISTING CONCRETE TRAIL

NOTE:
 • PENINSULA PARK WILL BE CONSTRUCTED AS PHASE 1.
 • THE PROPOSED TRAIL WILL BE CONSTRUCTED AS PHASE 2.



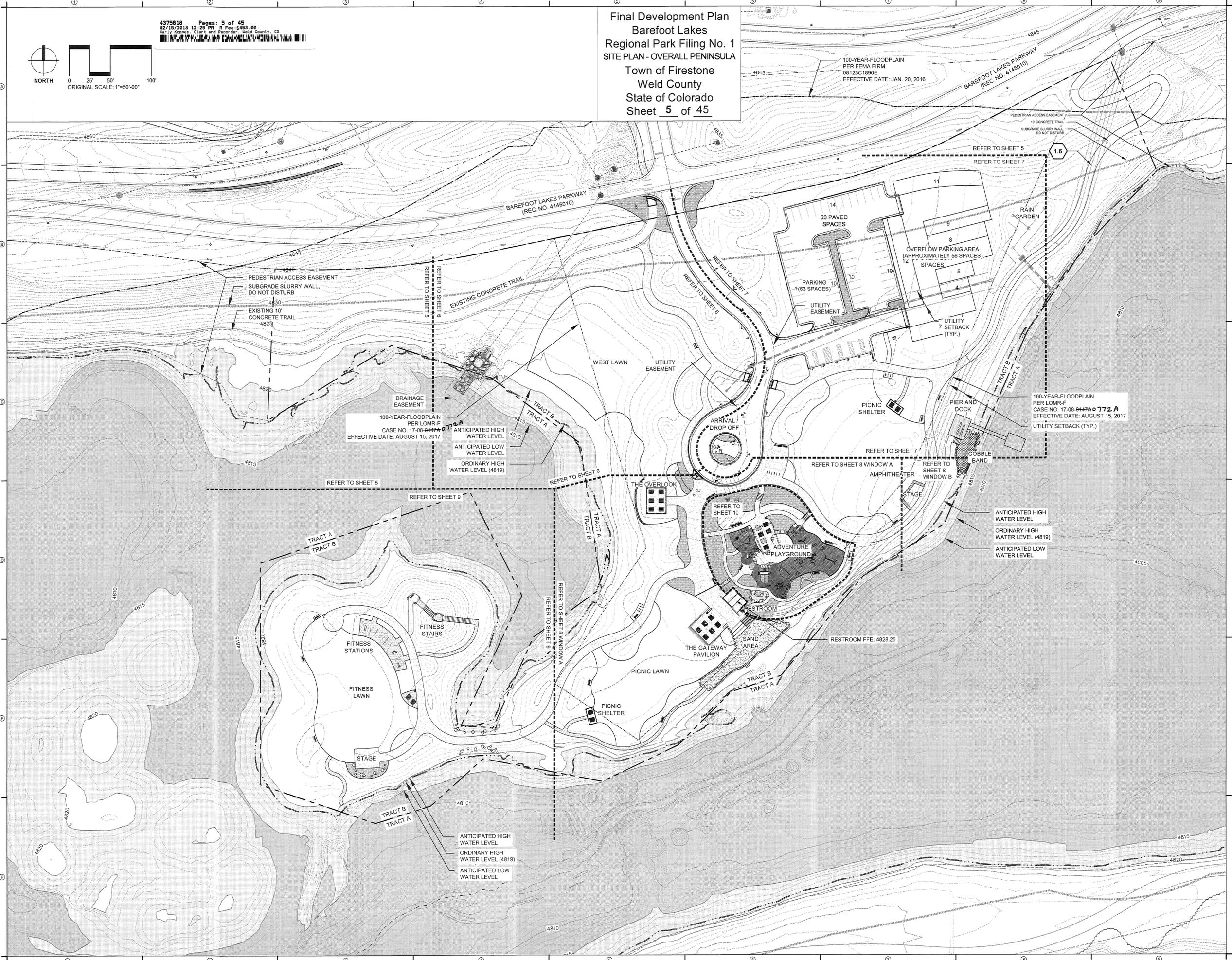
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Sheet	4 of 45



4375618 Pages: 5 of 45
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 Cary Koppen, City and Regional, Weld County, CO

Final Development Plan
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 SITE PLAN - OVERALL PENINSULA
 Town of Firestone
 Weld County
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 Sheet 5 of 45

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Sheet	5 of 45

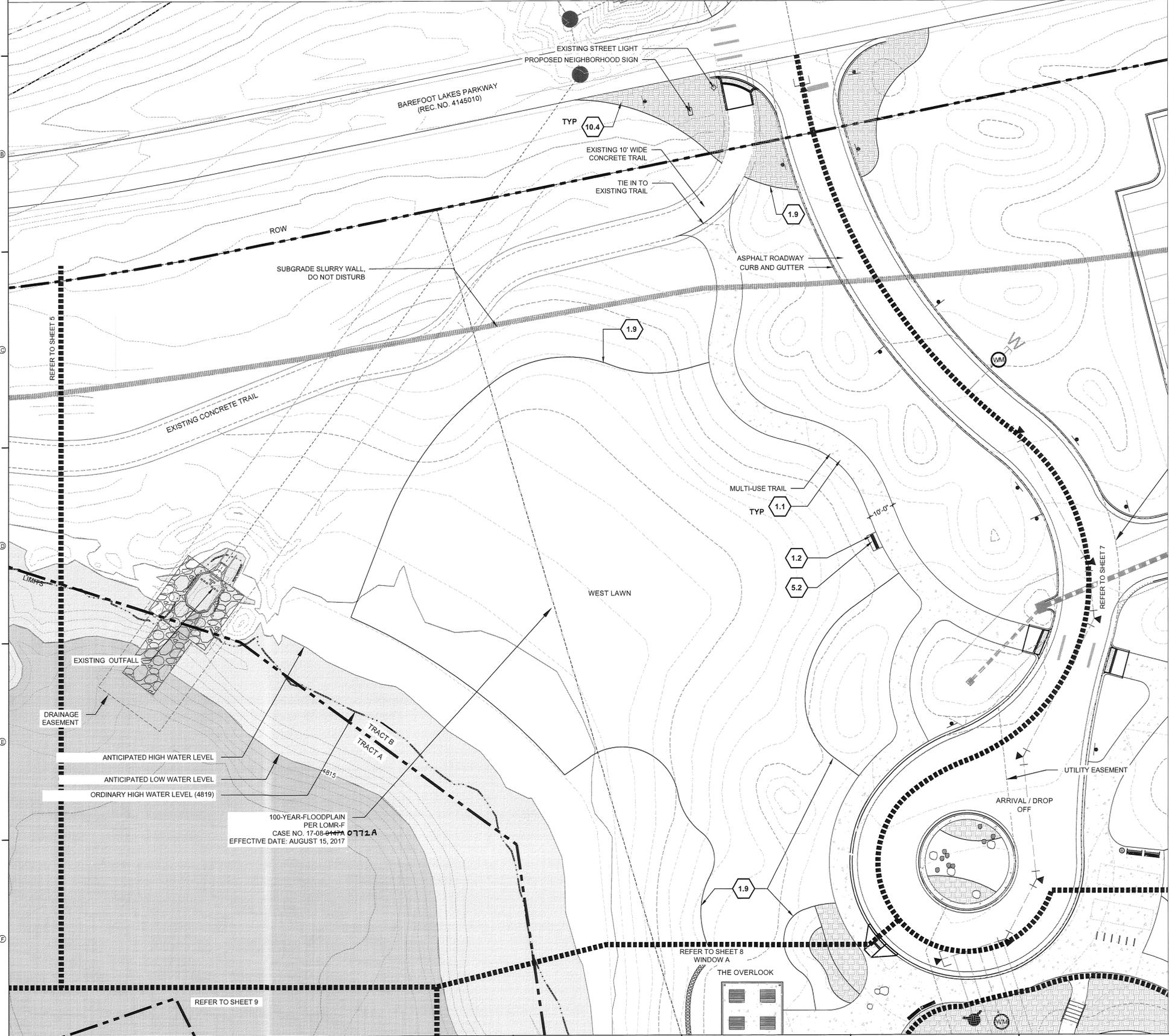
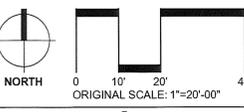
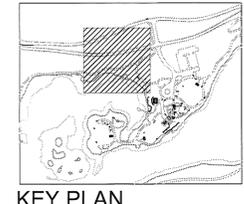
Final Development Plan
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 SITE PLAN-PENINSULA
 Town of Firestone
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 State of Colorado
 Sheet 6 of 45

SITE KEYNOTES:

Keynote	Description	Quantity
1.0 PAVEMENTS, RAMPS, AND CURBS		
1.1	Concrete Pavement	
1.2	Crushed Stone Paving	
1.3	Play Surface - Poured in Place Rubber	
1.4	Play Surface - Engineered Wood Fiber	
1.5	Stabilized Soil Pavement	
1.6	Concrete Curb at Poured in Place Rubber	
1.7	Concrete Curb at Engineered Wood Fiber	
1.8	Ramp at Engineered Wood Fiber	
1.9	Metal Edging	
2.0 JOINTING		
2.1	Expansion Joint	
2.2	Saw-Cut Control Joint	
2.3	Cold Joint	
3.0 STEPS		
3.1	Stone Slab Steps	
3.2, 3.2B	Steps at Gateway Pavilion	
3.3	Large Stone Slab Steps	
3.4	Timber Fitness Stairs	
4.0 SITE WALLS / EMBANKMENTS		
4.1	Stacked Boulder Wall	
4.2	Perched Sand Area	
4.3	Pebble Embankment	
4.4	Concrete Seat Wall	
5.0 SITE FURNITURE		
5.1	Bench Type 1 (Backed)	1 / 25
5.2	Bench Type 2 (Backless)	2 / 25
5.3	Trash Receptacle	3 / 25
5.4	Drinking Fountain	4 / 25
5.5	Picnic Table	5 / 25
5.6	Bike Rack	6 / 25
5.7	Side Table	7 / 25
6.0 RAILINGS, BARRIERS AND FENCING		
6.1	Handrail (at Stone Slab Steps)	
6.2	Handrail (at Concrete Steps)	
6.3	Vehicular Gate (Double Arm)	8 / 25
7.0 SITE LIGHTING		
REF: Lighting Series		
8.0 DRAINAGE		
8.1	French Drain at Amphitheater	
8.2	Subsurface Drain at Poured in Place Rubber	
8.3	Subsurface Drain at Engineered Wood Fiber	
8.4	Landscape Area Drain	
8.5	Trench Drain	
8.6	Drain Cleanout	
8.7	Drain Pipe	
9.0 PLANTING AND LANDSCAPE		
REF: Planting Series		
10.0 MISCELLANEOUS ELEMENTS		
10.1	Landscape Boulder	
10.2	Boulder in Poured-in-Place Rubber	
10.3	Boulder in Engineered Wood Fiber	
10.4	Wood Mulch	
11.0 FITNESS AND PLAY EQUIPMENT		
11.1	Six Foot Hill Slide	1 / 26
11.2	Three Foot Hill Slide	2 / 26
11.3	(Not Used)	
11.4	Two Seat Rocker	4 / 26
11.5	Comet I	5 / 26
11.6	Swings	6 / 26
11.7	Balance Challenge	7 / 26
11.8	Large Play Structure	8 / 26
11.9	Wobbly Web, Freestanding	9 / 26
11.10	Pull Up Bars	1 / 27
11.11	Push Up Bars	2 / 27
11.12	Sit-Up Bench	3 / 27
11.13	Parallel Bars	4 / 27
11.14	Box Jump - Low	5 / 27
11.15	Box Jump - Medium	6 / 27
11.16	Box Jump - High	7 / 27
12.0 SIGNAGE AND WAYFINDING		
REF: Signage Series		
X SITE STRUCTURES		
A	Picnic Shelter	1 / 21
B	Overlook Shelter	2 / 21
C	Gateway Pavilion	3 / 21
D	Restroom	22, 23
E	Pier	28
F	Floating Dock and Gangway	29

MATERIAL LEGEND

1.1	CONCRETE PAVING
1.2	CRUSHED STONE PAVING
1.3	POURED-IN-PLACE RUBBER SURFACING
1.4	ENGINEERED WOOD FIBER
1.5	STABILIZED SOIL PAVEMENT
4.2	PERCHED SAND AREA
4.3	PEBBLE EMBANKMENT
10.4	WOOD MULCH



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Revision 5:	12.6.2017
Sheet	6 of 45

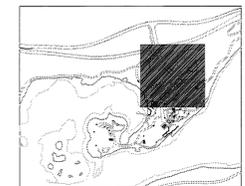
Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 SITE PLAN-PENINSULA
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 7 of 45

SITE KEYNOTES:

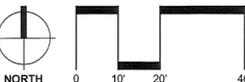
DETAIL / SHEET		
1.0	PAVEMENTS, RAMPS, AND CURBS	
1.1	Concrete Paving	
1.2	Crushed Stone Paving	
1.3	Play Surface - Poured in Place Rubber	
1.4	Play Surface - Engineered Wood Fiber	
1.5	Stabilized Soil Pavement	
1.6	Concrete Curb at Poured in Place Rubber	
1.7	Concrete Curb at Engineered Wood Fiber	
1.8	Ramp at Engineered Wood Fiber	
1.9	Metal Edging	
2.0	JOINTING	
2.1	Expansion Joint	
2.2	Saw-Cut Control Joint	
2.3	Cold Joint	
3.0	STEPS	
3.1	Stone Slab Steps	
3.2, 3.2B	Steps at Gateway Pavilion	
3.3	Large Stone Slab Steps	
3.4	Timber Fitness Steps	
4.0	SITE WALLS / EMBANKMENTS	
4.1	Stacked Boulder Wall	
4.2	Perched Sand Area	
4.3	Pebble Embankment	
4.4	Concrete Seat Wall	
5.0	SITE FURNITURE	
5.1	Bench Type 1 (Backed)	1 / 25
5.2	Bench Type 2 (Backless)	2 / 25
5.3	Trash Receptacle	3 / 25
5.4	Drinking Fountain	4 / 25
5.5	Picnic Table	5 / 25
5.6	Bike Rack	6 / 25
5.7	Side Table	7 / 25
6.0	RAILINGS, BARRIERS AND FENCING	
6.1	Handrail (at Stone Slab Steps)	
6.2	Handrail (at Concrete Steps)	
6.3	Vehicle Gate (Double Arm)	8 / 25
7.0	SITE LIGHTING	
	REF: Lighting Series	
8.0	DRAINAGE	
8.1	French Drain at Amphitheater	
8.2	Subsurface Drain at Poured in Place Rubber	
8.3	Subsurface Drain at Engineered Wood Fiber	
8.4	Landscape Area Drain	
8.5	French Drain	
8.6	Drain Cleanout	
8.7	Drain Pipe	
9.0	PLANTING AND LANDSCAPE	
	REF: Planting Series	
10.0	MISCELLANEOUS ELEMENTS	
10.1	Landscape Boulder	
10.2	Boulder in Poured-in-Place Rubber	
10.3	Boulder in Engineered Wood Fiber	
10.4	Wood Mulch	
11.0	FITNESS AND PLAY EQUIPMENT	
11.1	Six Foot Hill Slide	1 / 26
11.2	Three Foot Hill Slide	2 / 26
11.3	(Not Used)	
11.4	Two Seat Rocker	4 / 26
11.5	Comet I	5 / 26
11.6	Swings	6 / 26
11.7	Balance Challenge	7 / 26
11.8	Large Play Structure	8 / 26
11.9	Wobbly Web, Freestanding	9 / 26
11.10	Pull Up Bars	1 / 27
11.11	Push Up Bars	2 / 27
11.12	Sit-Up Bench	3 / 27
11.13	Parallel Bars	4 / 27
11.14	Box Jump - Low	5 / 27
11.15	Box Jump - Medium	6 / 27
11.16	Box Jump - High	7 / 27
12.0	SIGNAGE AND WAYFINDING	
	REF: Signage Series	
X	SITE STRUCTURES	
A	Picnic Shelter	1 / 21
B	Overlook Shelter	2 / 21
C	Gateway Pavilion	3 / 21
D	Restroom	22, 23
E	Pier	28
F	Floating Dock and Gangway	29

MATERIAL LEGEND

1.1	CONCRETE PAVING
1.2	CRUSHED STONE PAVING
1.3	POURED-IN-PLACE RUBBER SURFACING
1.4	ENGINEERED WOOD FIBER
1.5	STABILIZED SOIL PAVEMENT
4.2	PERCHED SAND AREA
4.3	PEBBLE EMBANKMENT
10.4	WOOD MULCH



KEY PLAN



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FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE
 INFORMATION BLOCK

BAREFOOT LAKES

SITE PLAN -
 PENINSULA

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Filing #:	FDP
Type:	FDP
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017
Sheet	7 of 45

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REFER TO SHEET 8 WINDOW A

REFER TO SHEET 8 WINDOW B

100-YEAR-FLOODPLAIN PER LOMR-F CASE NO. 17-08-0477A 0772.A EFFECTIVE DATE: AUGUST 15, 2017

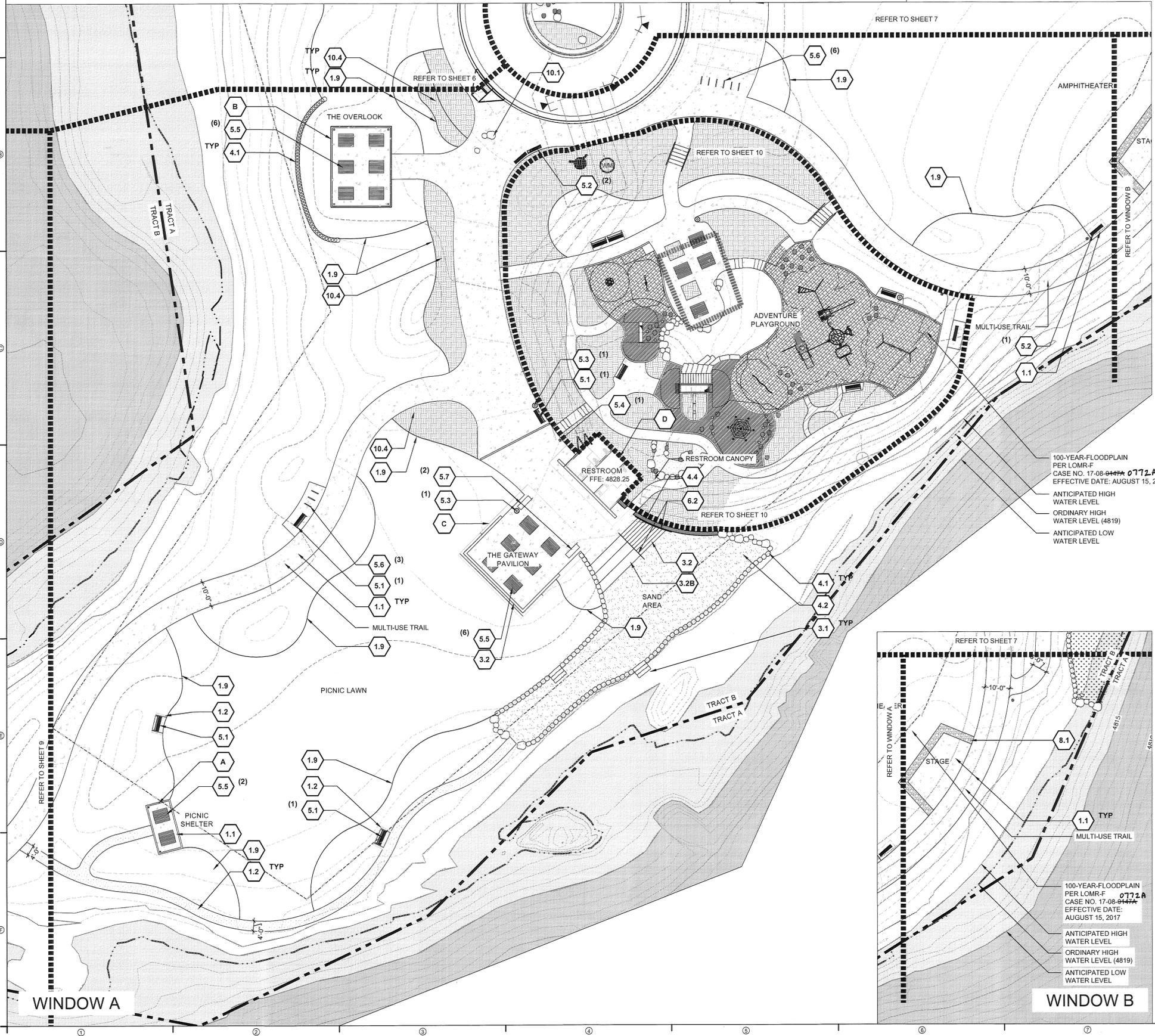
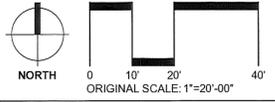
Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 SITE PLAN-PENINSULA
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 8 of 45

SITE KEYNOTES:

KEYNOTE	DESCRIPTION	QUANTITY
1.0 PAVEMENTS, RAMPS, AND CURBS		
1.1	Concrete Paving	
1.2	Crushed Stone Paving	
1.3	Play Surface - Poured in Place Rubber	
1.4	Play Surface - Engineered Wood Fiber	
1.5	Stabilized Soil Pavement	
1.6	Concrete Curb at Poured in Place Rubber	
1.7	Concrete Curb at Engineered Wood Fiber	
1.8	Ramp at Engineered Wood Fiber	
1.9	Metal Edging	
2.0 JOINTING		
2.1	Expansion Joint	
2.2	Saw-Cut Control Joint	
2.3	Cold Joint	
3.0 STEPS		
3.1	Stone Slab Steps	
3.2, 3.2B	Steps at Gateway Pavilion	
3.3	Large Stone Slab Steps	
3.4	Timber Fitness Stairs	
4.0 SITE WALLS / EMBANKMENTS		
4.1	Stacked Boulder Wall	
4.2	Perched Sand Area	
4.3	Pebble Embankment	
4.4	Concrete Seat Wall	
5.0 SITE FURNITURE		
5.1	Bench Type 1 (Backed)	1 / 25
5.2	Bench Type 2 (Backless)	2 / 25
5.3	Trash Receptacle	3 / 25
5.4	Drinking Fountain	4 / 25
5.5	Picnic Table	5 / 25
5.6	Bike Rack	6 / 25
5.7	Side Table	7 / 25
6.0 RAILINGS, BARRIERS AND FENCING		
6.1	Handrail (at Stone Slab Steps)	
6.2	Handrail (at Concrete Steps)	
6.3	Vehicular Gate (Double Arm)	8 / 25
7.0 SITE LIGHTING		
REF: Lighting Series		
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8.1	French Drain at Amphitheater	
8.2	Subsurface Drain at Poured in Place Rubber	
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8.4	Landscape Area Drain	
8.5	Trench Drain	
8.6	Drain Cleanout	
8.7	Drain Pipe	
9.0 PLANTING AND LANDSCAPE		
REF: Planting Series		
10.0 MISCELLANEOUS ELEMENTS		
10.1	Landscape Boulder	
10.2	Boulder in Poured-in-Place Rubber	
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11.1	Six Foot Hill Slide	1 / 26
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11.3	(Not Used)	
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12.0 SIGNAGE AND WAYFINDING		
REF: Signage Series		
X SITE STRUCTURES		
A	Picnic Shelter	1 / 21
B	Overlook Shelter	2 / 21
C	Gateway Pavilion	3 / 21
D	Restroom	22, 23
E	Pier	28
F	Floating Dock and Gangway	29

MATERIAL LEGEND

1.1	CONCRETE PAVING
1.2	CRUSHED STONE PAVING
1.3	POURED-IN-PLACE RUBBER SURFACING
1.4	ENGINEERED WOOD FIBER
1.5	STABILIZED SOIL PAVEMENT
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**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1**
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

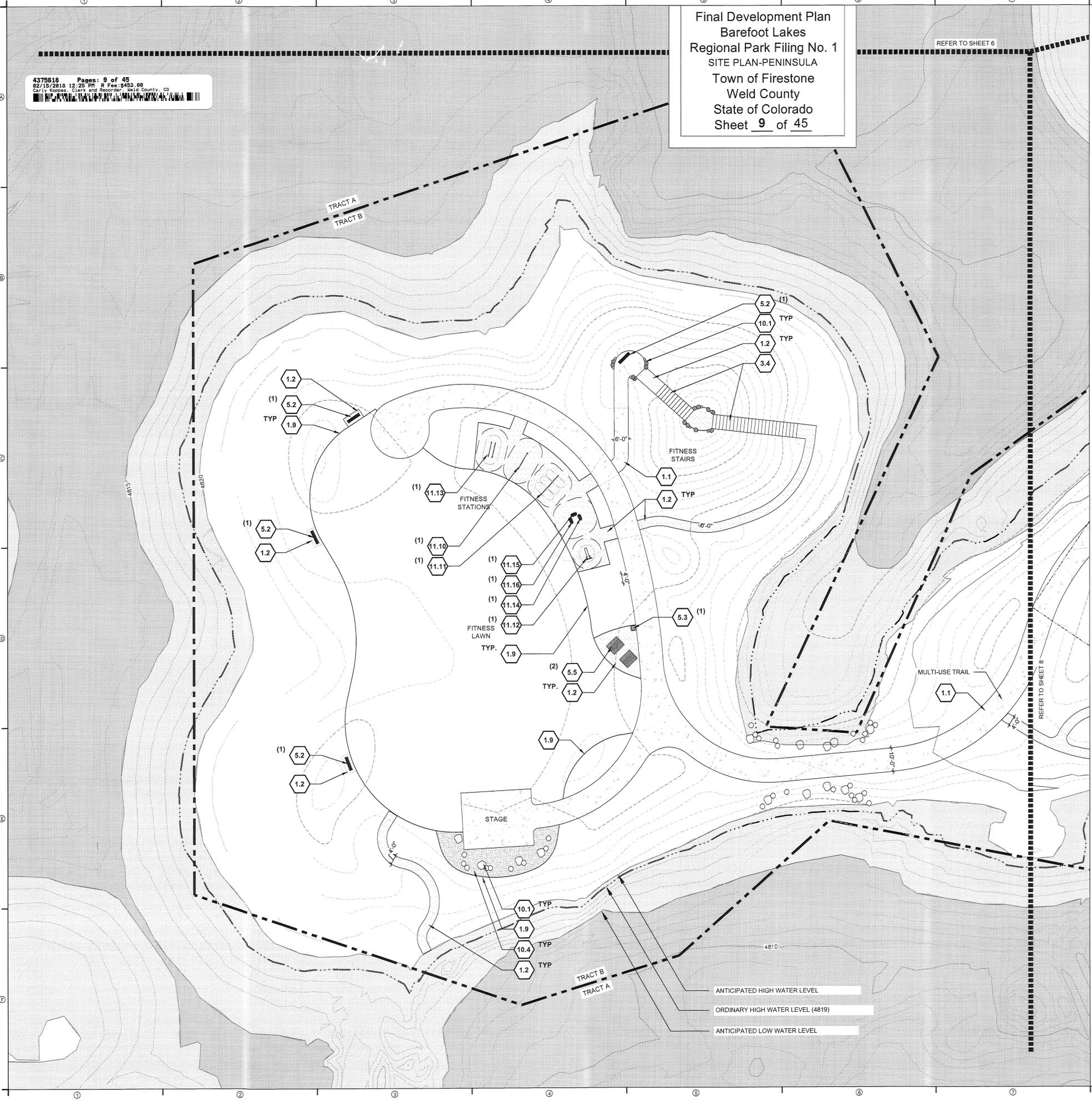
SITE PLAN - PENINSULA

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017
Sheet	8 of 45

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Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 SITE PLAN-PENINSULA
 Town of Firestone
 Weld County
 State of Colorado
 Sheet **9** of **45**

4375618 Pages: 9 of 45
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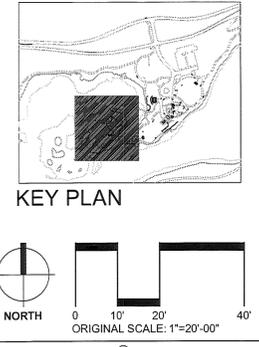


SITE KEYNOTES:

KEYNOTE	DESCRIPTION	QUANTITY
1.0 PAVEMENTS, RAMPS, AND CURBS		
1.1	Concrete Pavement	
1.2	Crushed Stone Paving	
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1.6	Concrete Curb at Poured in Place Rubber	
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2.3	Cold Joint	
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11.12	Sit-Up Bench	3 / 27
11.13	Parallel Bars	4 / 27
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**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1**
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

SITE PLAN - PENINSULA

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017
Sheet	9 of 45

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Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 SITE PLAN ENLARGEMENT
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 10 of 45

SITE KEYNOTES:

DETAIL / SHEET

1.0 PAVEMENTS, RAMPS, AND CURBS	
1.1 Concrete Pavement	
1.2 Crushed Stone Paving	
1.3 Play Surface - Poured in Place Rubber	
1.4 Play Surface - Engineered Wood Fiber	
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1.6 Concrete Curb at Poured in Place Rubber	
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2.2 Saw-Cut Control Joint	
2.3 Cold Joint	
3.0 STEPS	
3.1 Stone Slab Steps	
3.2, 3.2B Steps at Gateway Pavilion	
3.3 Large Stone Slab Steps	
3.4 Timber Fitness Stairs	
4.0 SITE WALLS / EMBANKMENTS	
4.1 Stacked Boulder Wall	
4.2 Perched Sand Area	
4.3 Pebble Embankment	
4.4 Concrete Seat Wall	
5.0 SITE FURNITURE	
5.1 Bench Type 1 (Backed)	1 / 25
5.2 Bench Type 2 (Backless)	2 / 25
5.3 Trash Receptacle	3 / 25
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5.5 Picnic Table	5 / 25
5.6 Bike Rack	6 / 25
5.7 Side Table	7 / 25
6.0 RAILINGS, BARRIERS AND FENCING	
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8.0 DRAINAGE	
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**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1**
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE
 INFORMATION BLOCK

BAREFOOT LAKES

SITE PLAN
 ENLARGEMENT

Name of application: BAREFOOT LAKES REGIONAL PARK FILING NO. 1

Type: FDP

Filing #: 1

1st Submittal: 9.29.2016

Revision 1: 2.17.2017

Revision 2: 5.19.2017

Revision 3: 9.11.2017

Revision 4: 10.13.2017

Revision 5: 12.6.2017

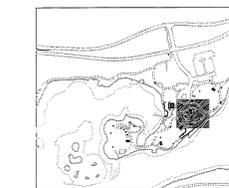
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MATERIAL LEGEND

1.1	CONCRETE PAVING
1.2	CRUSHED STONE PAVING
1.3	POURED-IN-PLACE RUBBER SURFACING
1.4	ENGINEERED WOOD FIBER
1.5	STABILIZED SOIL PAVEMENT
4.2	PERCHED SAND AREA
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10.4	WOOD MULCH

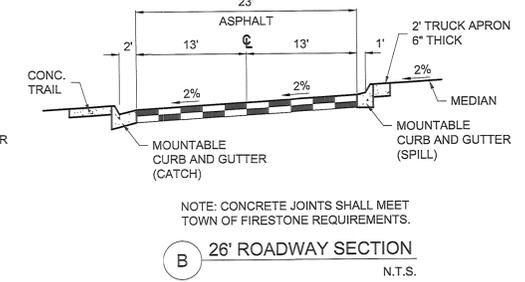
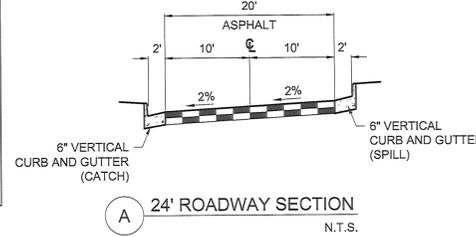


100-YEAR-FLOODPLAIN
 PER LOMR-F
 CASE NO. 17-08-047A 0712.A
 EFFECTIVE DATE: AUGUST 15, 2017

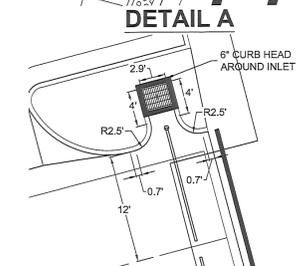
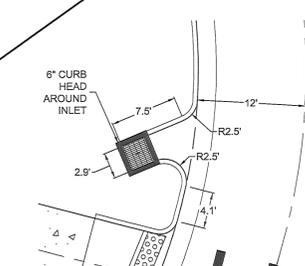
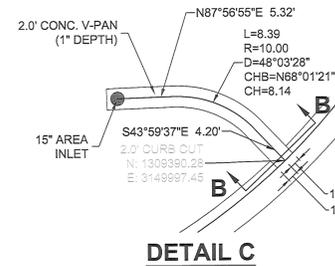
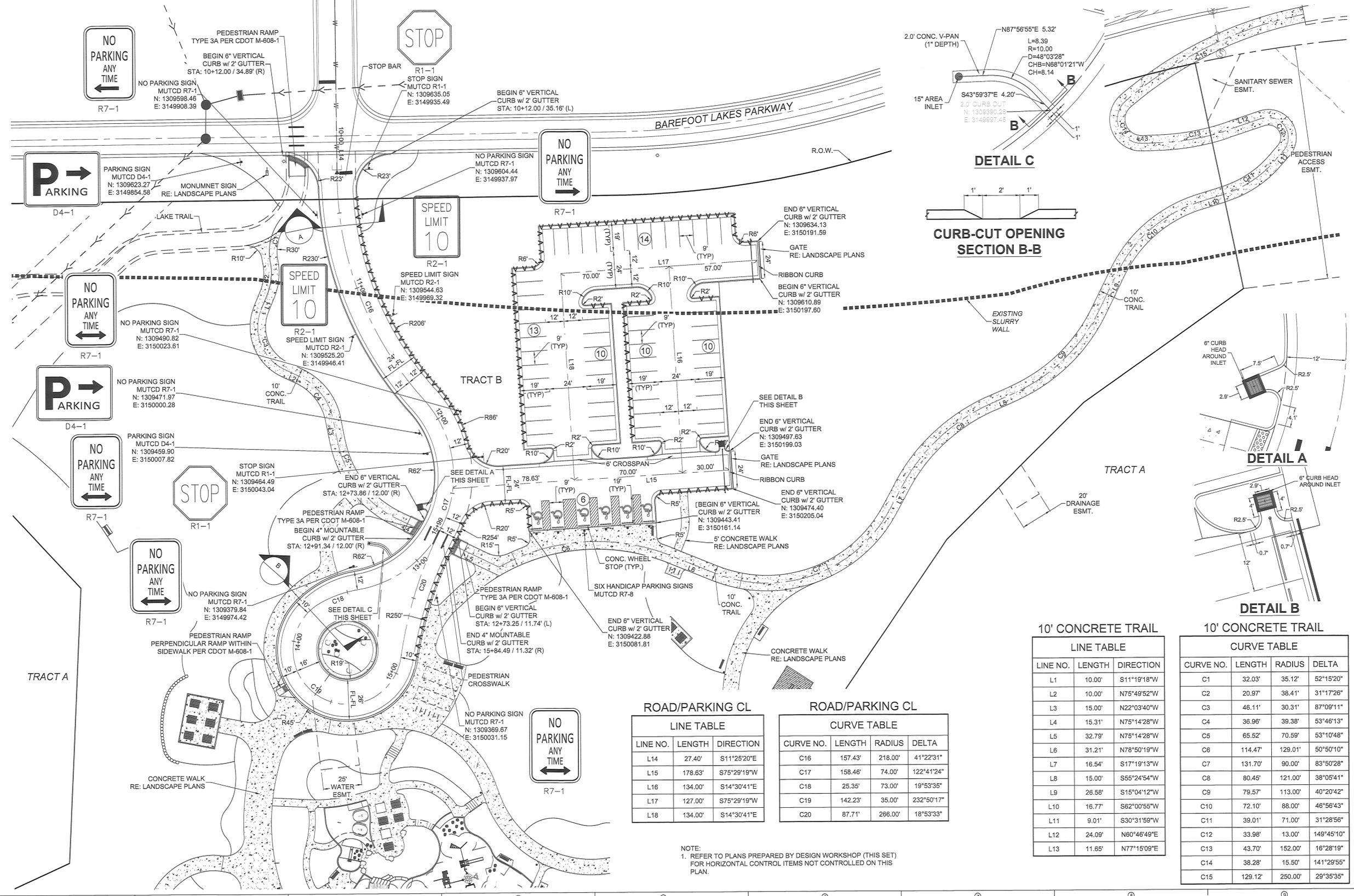
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 ORDINARY HIGH WATER LEVEL (4819)
 ANTICIPATED LOW WATER LEVEL

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Final Development Plan
Barefoot Lakes
Regional Park Filing No. 1
HORIZONTAL CONTROL PLAN
Town of Firestone
Weld County
State of Colorado
Sheet 11 of 43



4375618 Pages: 11 of 45
02/15/2018 12:25 PM R Fee: \$482.00
Early Koons, Clerk and Recorder, Weld County, CO
N: 1309598.46 E: 3149908.39



ROAD/PARKING CL

LINE NO.	LENGTH	DIRECTION
L14	27.40'	S11°25'20\"E
L15	178.63'	S75°29'19\"W
L16	134.00'	S14°30'41\"E
L17	127.00'	S75°29'19\"W
L18	134.00'	S14°30'41\"E

ROAD/PARKING CL

CURVE NO.	LENGTH	RADIUS	DELTA
C16	157.43'	218.00'	41°22'31\"
C17	158.46'	74.00'	122°41'24\"
C18	25.35'	73.00'	19°53'35\"
C19	142.23'	35.00'	232°50'17\"
C20	87.71'	266.00'	18°53'33\"

10' CONCRETE TRAIL

LINE NO.	LENGTH	DIRECTION
L1	10.00'	S11°19'18\"W
L2	10.00'	N75°49'52\"W
L3	15.00'	N22°03'40\"W
L4	15.31'	N75°14'28\"W
L5	32.79'	N75°14'28\"W
L6	31.21'	N78°50'19\"W
L7	16.54'	S17°19'13\"W
L8	15.00'	S55°24'54\"W
L9	26.58'	S15°04'12\"W
L10	16.77'	S62°00'55\"W
L11	9.01'	S30°31'59\"W
L12	24.09'	N60°46'49\"E
L13	11.65'	N77°15'09\"E

10' CONCRETE TRAIL

CURVE NO.	LENGTH	RADIUS	DELTA
C1	32.03'	35.12'	52°15'20\"
C2	20.97'	38.41'	31°17'26\"
C3	46.11'	30.31'	87°09'11\"
C4	36.96'	39.38'	53°46'13\"
C5	65.52'	70.59'	53°10'48\"
C6	114.47'	129.01'	50°50'10\"
C7	131.70'	90.00'	83°50'28\"
C8	80.45'	121.00'	38°05'41\"
C9	79.57'	113.00'	40°20'42\"
C10	72.10'	88.00'	46°56'43\"
C11	39.01'	71.00'	31°28'56\"
C12	33.98'	13.00'	149°45'10\"
C13	43.70'	152.00'	16°28'19\"
C14	38.28'	15.50'	141°29'55\"
C15	129.12'	250.00'	29°35'35\"

NOTE:
1. REFER TO PLANS PREPARED BY DESIGN WORKSHOP (THIS SET) FOR HORIZONTAL CONTROL ITEMS NOT CONTROLLED ON THIS PLAN.

FINAL DEVELOPMENT PLAN
BAREFOOT LAKES
REGIONAL PARK FILING NO. 1
TOWN OF FIRESTONE
WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

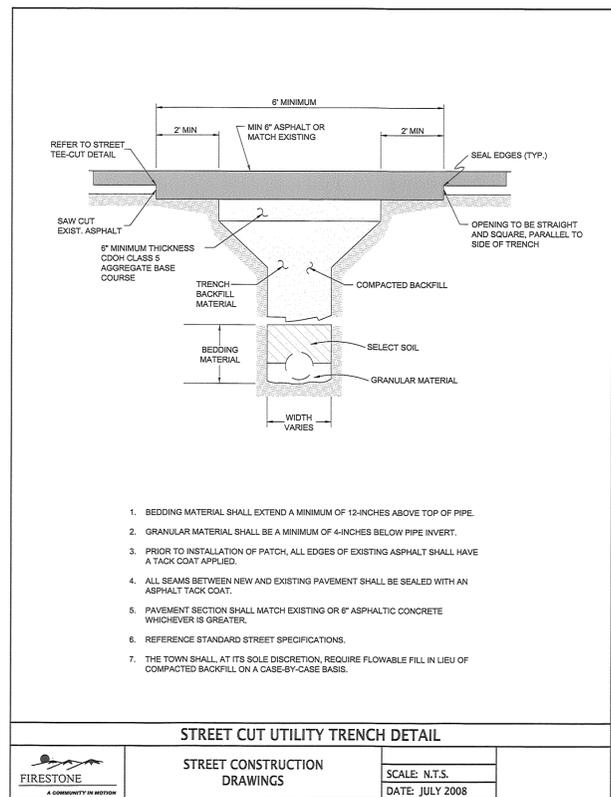
BAREFOOT LAKES

HORIZONTAL CONTROL PLAN

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
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Revision 4:	10.13.2017
Revision 5:	12.6.2017
Sheet	11 of 45

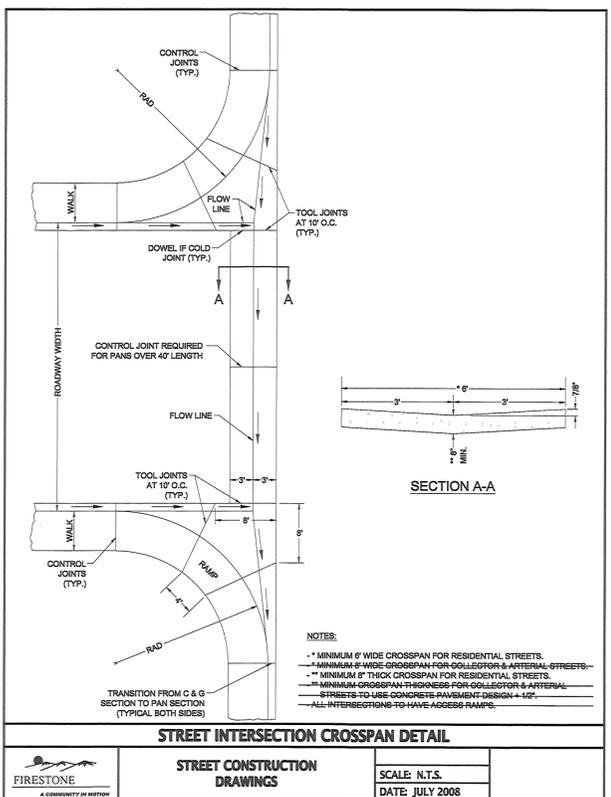
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Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 SITE DETAILS
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 12 of 43



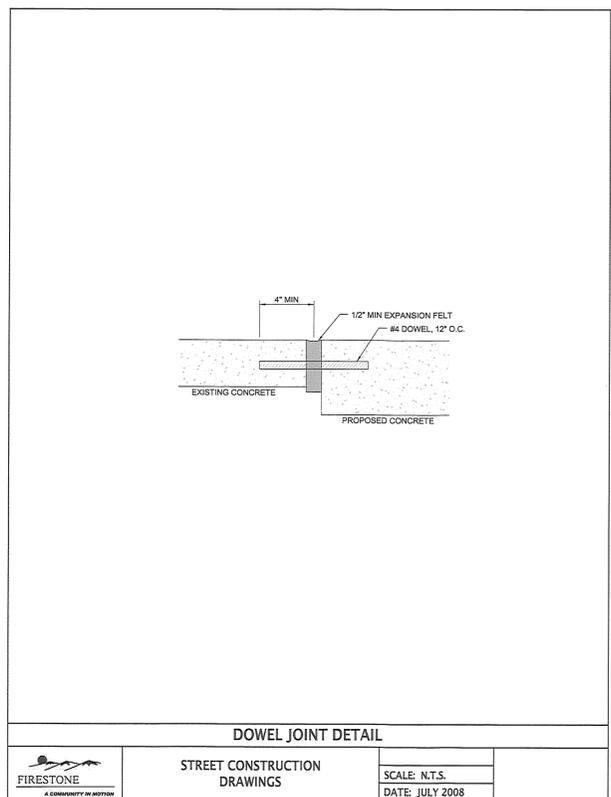
- BEDDING MATERIAL SHALL EXTEND A MINIMUM OF 12-INCHES ABOVE TOP OF PIPE.
- GRANULAR MATERIAL SHALL BE A MINIMUM OF 4-INCHES BELOW PIPE INVERT.
- PRIOR TO INSTALLATION OF PATCH, ALL EDGES OF EXISTING ASPHALT SHALL HAVE A TACK COAT APPLIED.
- ALL SEAMS BETWEEN NEW AND EXISTING PAVEMENT SHALL BE SEALED WITH AN ASPHALT TACK COAT.
- PAVEMENT SECTION SHALL MATCH EXISTING OR 6\"/>

STREET CONSTRUCTION DRAWINGS
 SCALE: N.T.S.
 DATE: JULY 2008

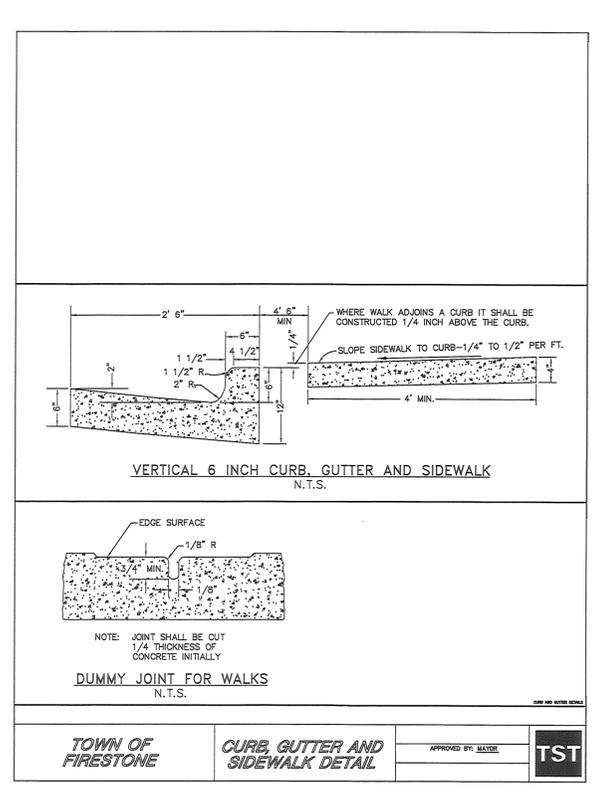


- NOTES:
- * MINIMUM 6\"/>

STREET CONSTRUCTION DRAWINGS
 SCALE: N.T.S.
 DATE: JULY 2008

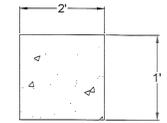


STREET CONSTRUCTION DRAWINGS
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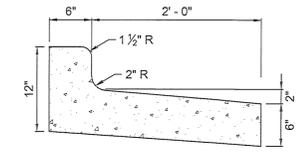


NOTE: JOINT SHALL BE CUT 1/4 THICKNESS OF CONCRETE INITIALLY.

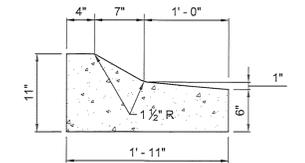
TOWN OF FIRESTONE CURB, GUTTER AND SIDEWALK DETAIL
 APPROVED BY: [Signature] TST



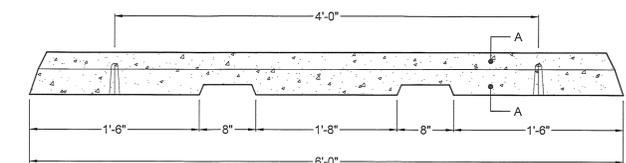
RIBBON CURB
 N.T.S.



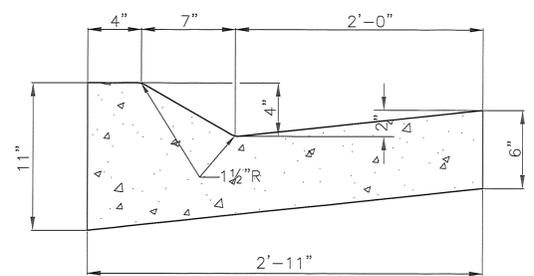
6\"/>
 N.T.S.



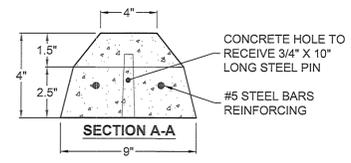
MOUNTABLE CURB & GUTTER (SPILL)
 N.T.S.



ELEVATION

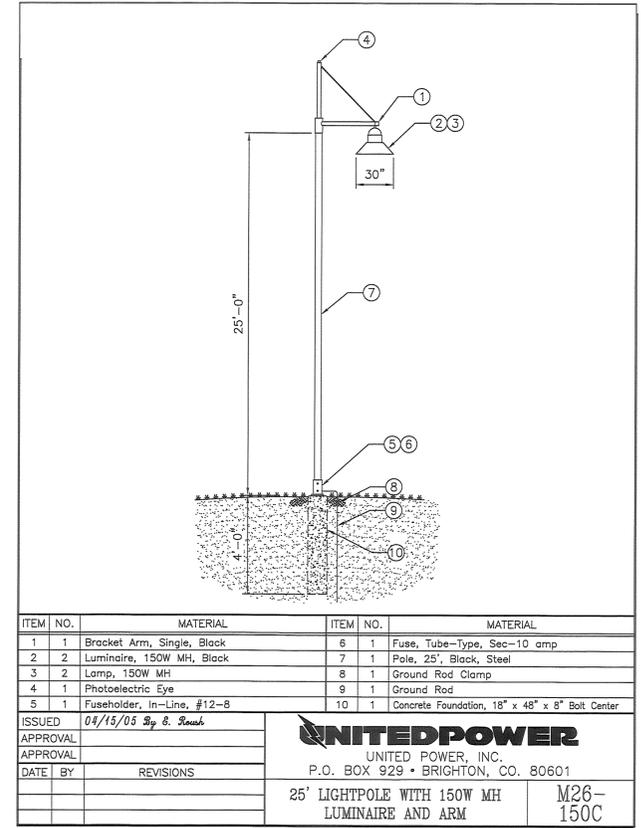


MOUNTABLE CURB & GUTTER (CATCH)
 N.T.S.



- NOTES:
- STEEL PINS TO BE PROVIDED AS REQUIRED TO SECURE PRECAST CONCRETE CURB ONTO DEPRESSED CURB AND GUTTER.

PRECAST CONCRETE WHEEL STOP
 N.T.S.



ITEM NO.	MATERIAL	ITEM NO.	MATERIAL
1	1 Bracket Arm, Single, Black	6	1 Fuse, Tube-Type, Sec-10 amp
2	2 Luminaire, 150W MH, Black	7	1 Pole, 25', Black, Steel
3	2 Lamp, 150W MH	8	1 Ground Rod Clamp
4	1 Photoelectric Eye	9	1 Ground Rod
5	1 Fuseholder, In-Line, #12-8	10	1 Concrete Foundation, 18" x 48" x 8" Bolt Center

ISSUED: 04/15/05 By: S. [Signature]
 APPROVAL: [Signature]
 DATE: [] BY: [] REVISIONS: []

UNITED POWER, INC.
 P.O. BOX 929 • BRIGHTON, CO. 80601

25' LIGHTPOLE WITH 150W MH LUMINAIRE AND ARM M26-150C

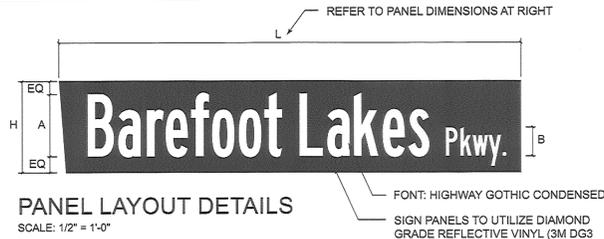
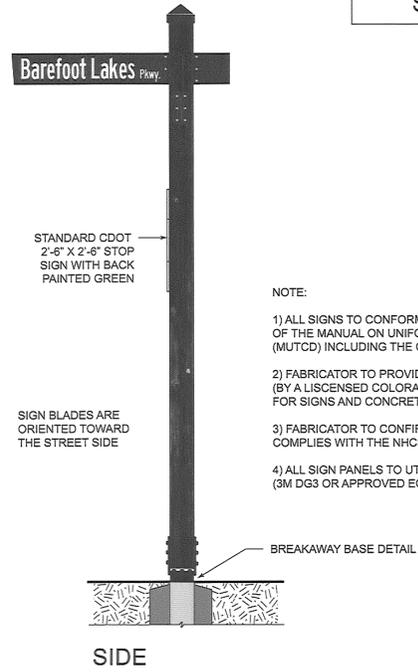
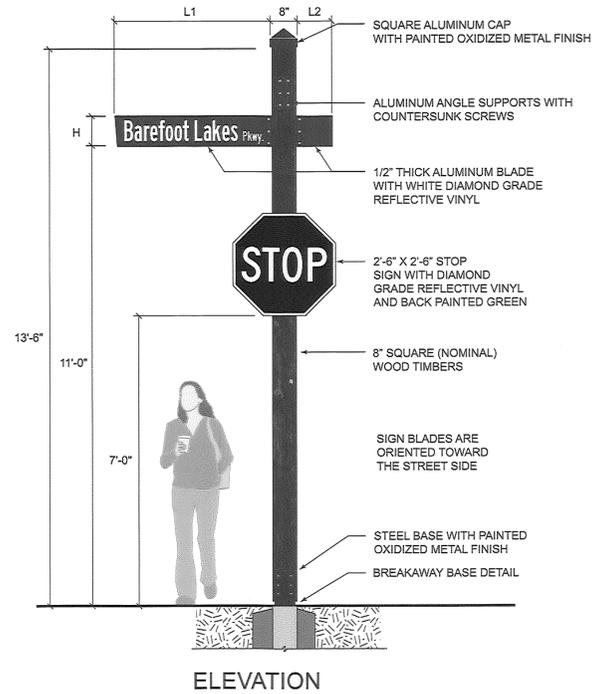
STREET LIGHT DETAIL

FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

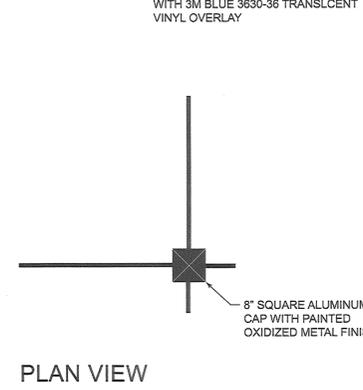
DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK
 BAREFOOT LAKES
 SITE DETAILS

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
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1st Submittal:	9.29.2016
Revision 1:	2.17.2017
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Revision 5:	12.6.2017
Sheet	12 of 45

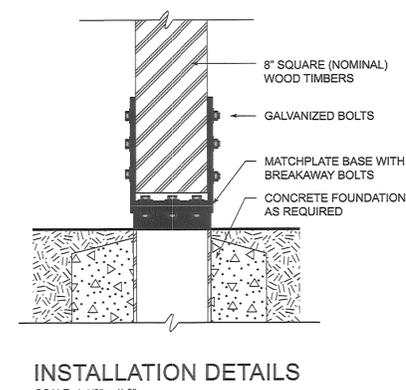


- NOTE:
- 1) ALL SIGNS TO CONFORM TO THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) INCLUDING THE COLORADO SUPPLEMENT.
 - 2) FABRICATOR TO PROVIDE STRUCTURAL ENGINEERING (BY A LICENSED COLORADO ENGINEER) AND SHOP DRAWINGS FOR SIGNS AND CONCRETE FOOTINGS.
 - 3) FABRICATOR TO CONFIRM THAT BREAKAWAY BASE DESIGN COMPLIES WITH THE NHCD CRASH 350 TEST.
 - 4) ALL SIGN PANELS TO UTILIZE DIAMOND GRADE REFLECTIVE VINYL (3M DG3 OR APPROVED EQUAL).



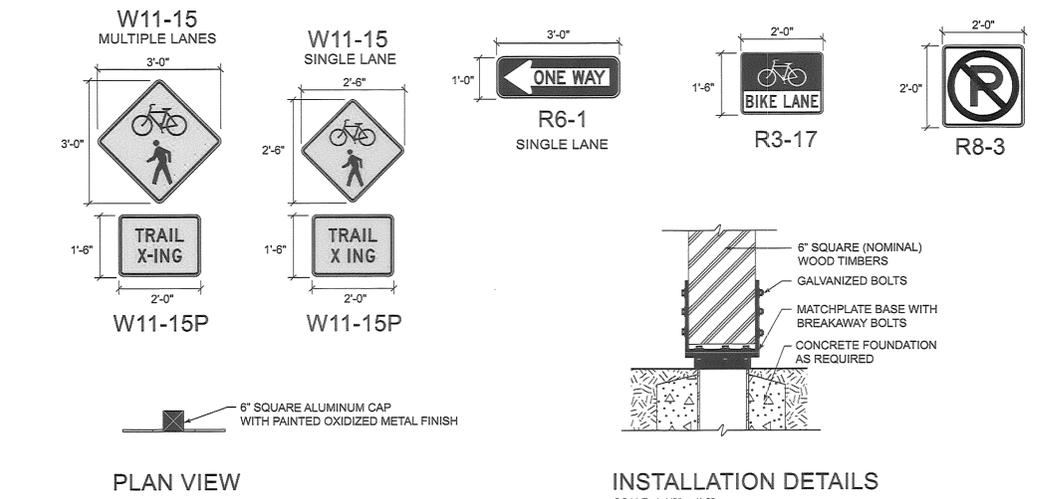
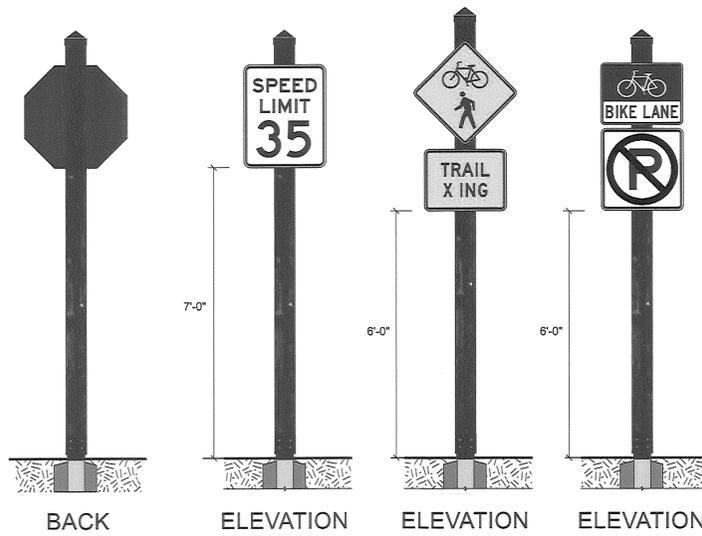
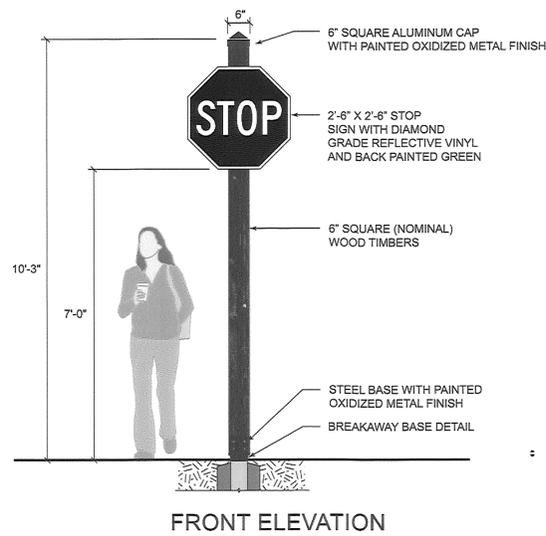
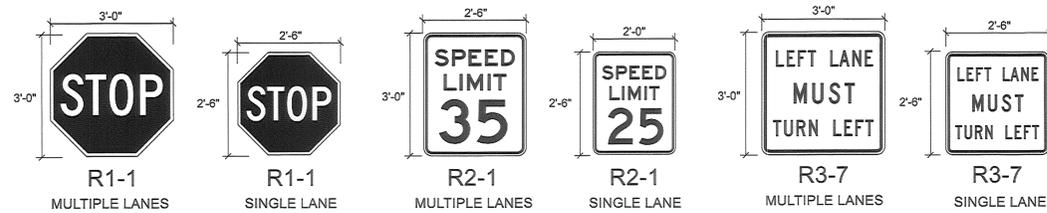
PANEL LAYOUT DIMENSIONS
 PANEL DIMENSIONS VARY PER MUTCD FONT SIZE REQUIREMENTS:

STANDARD SIZE:	LARGE SIZE:
A (UPPER CASE) = 4"	A (UPPER CASE) = 6"
A (LOWER CASE) = 3"	A (LOWER CASE) = 4 1/2"
B = 3 1/4"	B = 4 7/8"
H = 7"	H = 10 1/2"
L1 = 3'-8 1/2"	L1 = 5'-0"
L2 = 8 7/8"	L2 = 1'-0"



1 SIGNTYPE G - STREET IDENTIFICATION AND REGULATORY SIGNS
 SCALE: 1/2" = 1'-0"

- NOTE:
- 1) ALL SIGNS TO CONFORM TO THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) INCLUDING THE COLORADO SUPPLEMENT.
 - 2) FABRICATOR TO PROVIDE STRUCTURAL ENGINEERING (BY A LICENSED COLORADO ENGINEER) AND SHOP DRAWINGS FOR SIGNS AND CONCRETE FOOTINGS.
 - 3) FABRICATOR TO CONFIRM THAT BREAKAWAY BASE DESIGN COMPLIES WITH THE NHCD CRASH 350 TEST.
 - 4) ALL SIGN PANELS TO UTILIZE DIAMOND GRADE REFLECTIVE VINYL (3M DG3 OR APPROVED EQUAL).



2 SIGNTYPE H - TRAFFIC REGULATORY SIGNS
 SCALE: 1/2" = 1'-0"

**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO**

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

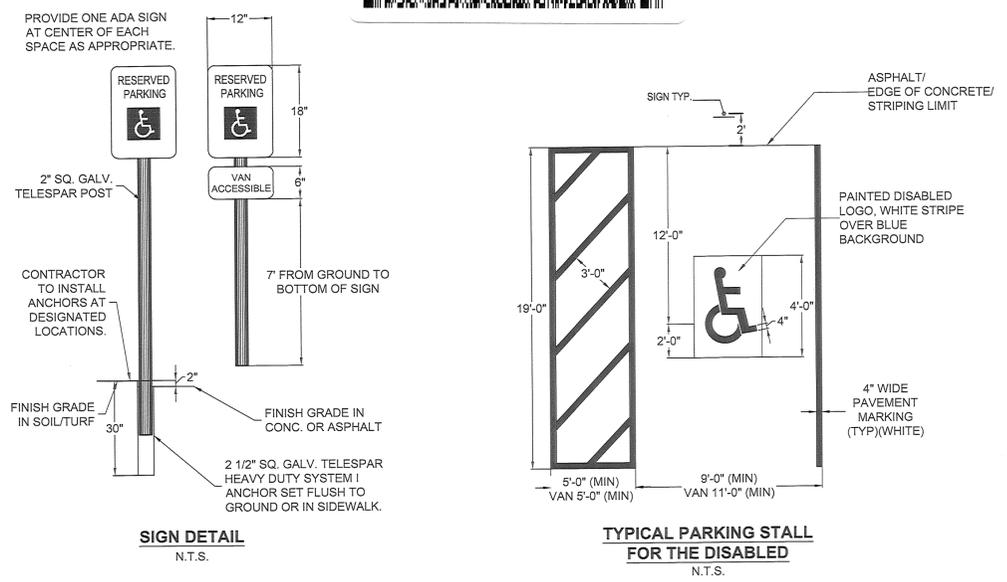
BAREFOOT LAKES

SITE DETAILS

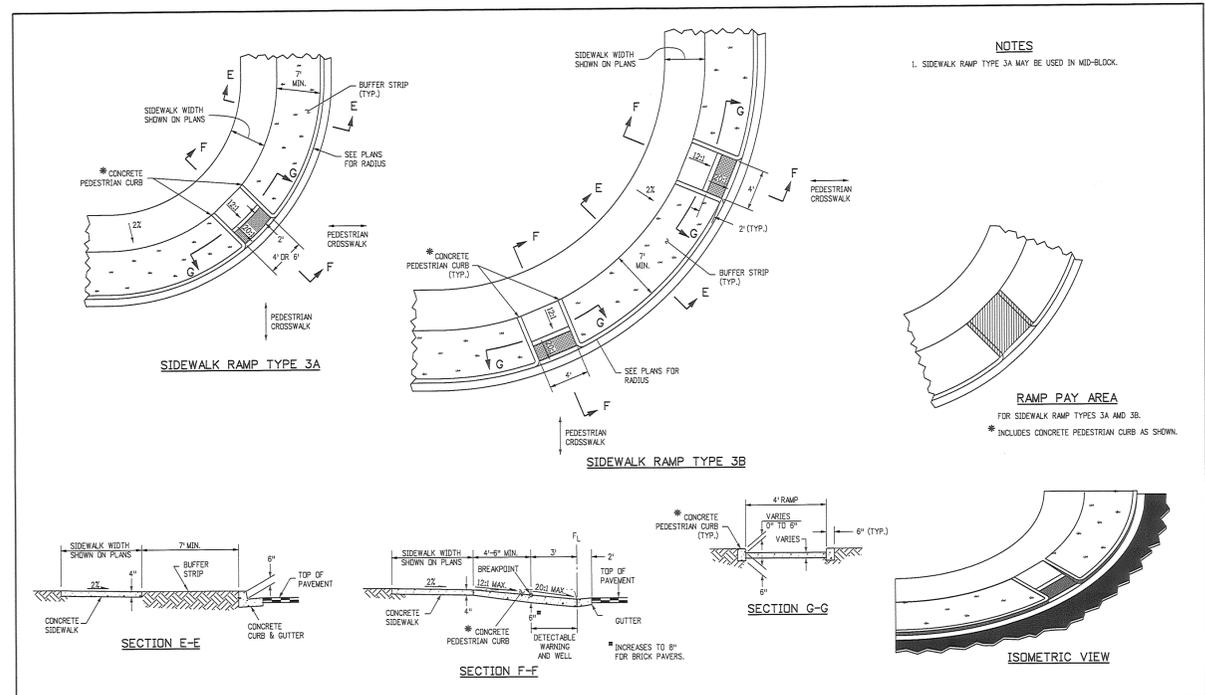
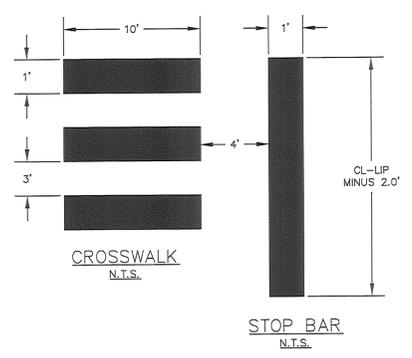
Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
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Revision 5:	12.6.2017
Sheet	13 of 45

Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 SITE DETAILS
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 14 of 43

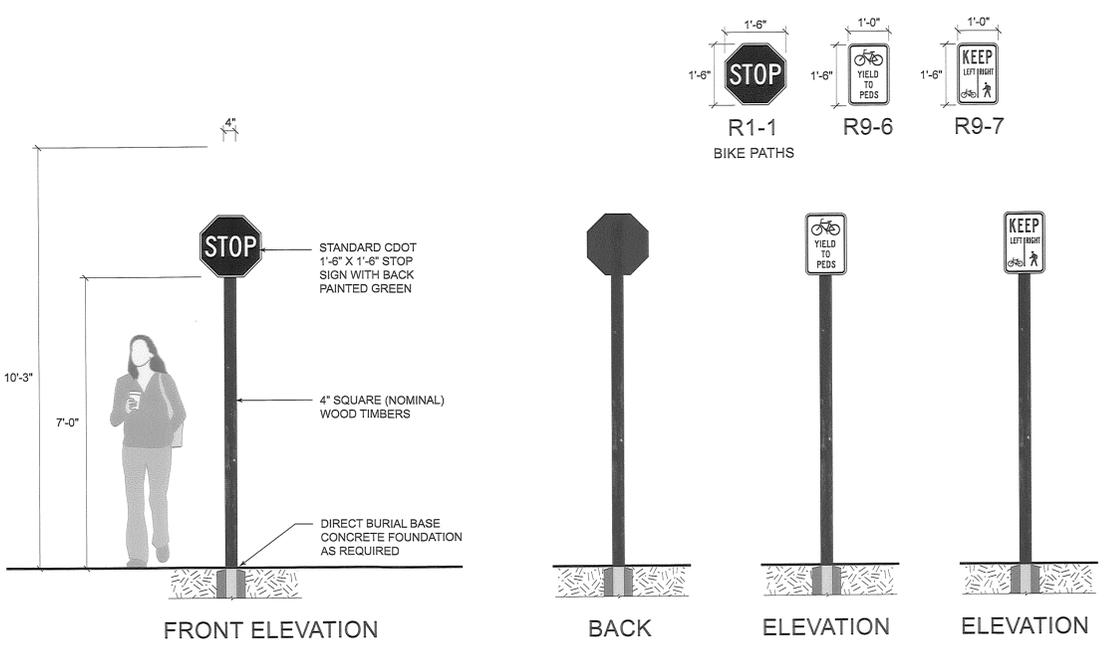
**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO**



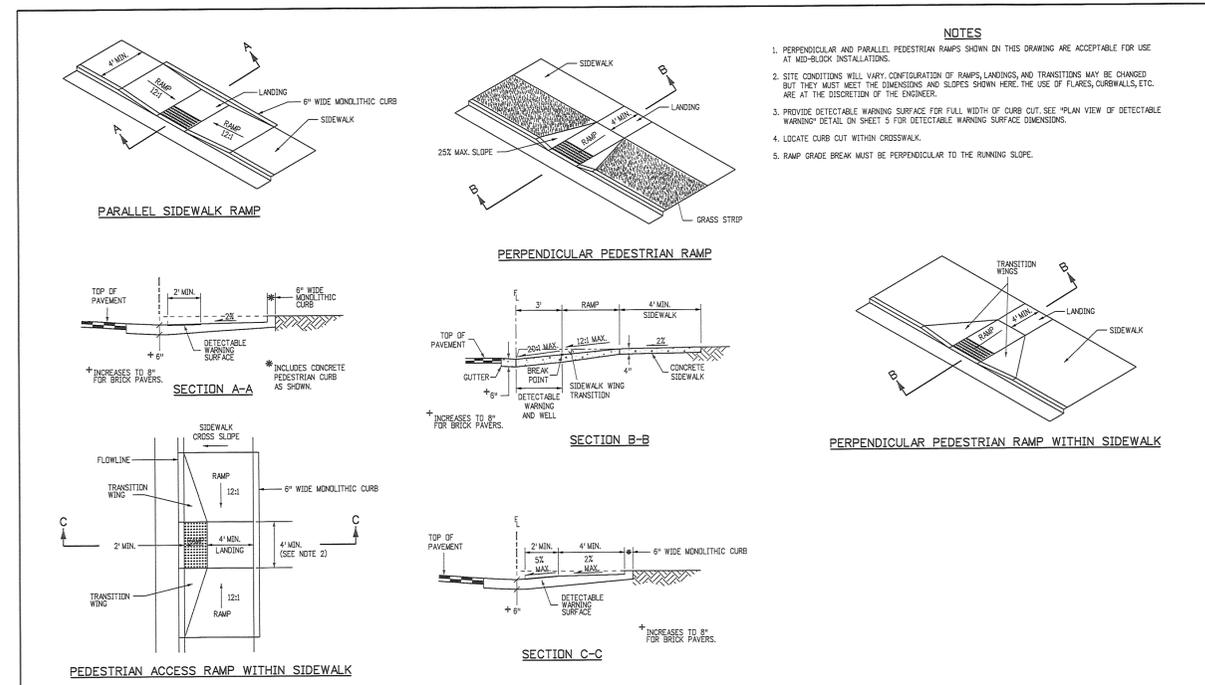
- NOTE:**
- 1 ALL CROSSWALK, YIELD SIGN AND STOP BAR MARKINGS TO BE THERMOPLASTIC PER TOWN OF FIRESTONE SPECIFICATIONS.
 - 2 ALL SIGNS MUST CONFORM TO MUTCD STANDARDS.
 - 3 ALL SIGN POSTS SHALL CONFORM TO UNISTRUT POST SPECIFICATIONS.
 - 4 SEE SHEET C8.5 FOR LIGHTPOLE DETAIL.
 - 5 SEE SHEET C8.5 FOR MAILBOX PAD DETAIL.



Computer File Information	Sheet Revisions	Colorado Department of Transportation	STANDARD PLAN NO.
Creation Date: 07/04/12 Last Modification Date: 07/04/12 Full Path: www.coloradodot.info/business/designsupport Drawing File Name: 808010306.dgn CAD Ver: MicroStation V8	Initials: DD Initials: LTA	2201 East Arkansas Avenue Denver, Colorado 80222 Phone: (303) 757-9823 Fax: (303) 757-9820	M-608-1
	Date: _____ Comments: _____	Project Development Branch DD/LTA	Sheet No. 3 of 6



1 SIGNTYPE J - BICYCLE REGULATORY SIGNS
 SCALE: 1/2" = 1'-0"



Computer File Information	Sheet Revisions	Colorado Department of Transportation	STANDARD PLAN NO.
Creation Date: 07/04/12 Last Modification Date: 07/04/12 Full Path: www.coloradodot.info/business/designsupport Drawing File Name: 808010406.dgn CAD Ver: MicroStation V8	Initials: DD Initials: LTA	2201 East Arkansas Avenue Denver, Colorado 80222 Phone: (303) 757-9823 Fax: (303) 757-9820	M-608-1
	Date: _____ Comments: _____	Project Development Branch DD/LTA	Sheet No. 4 of 6

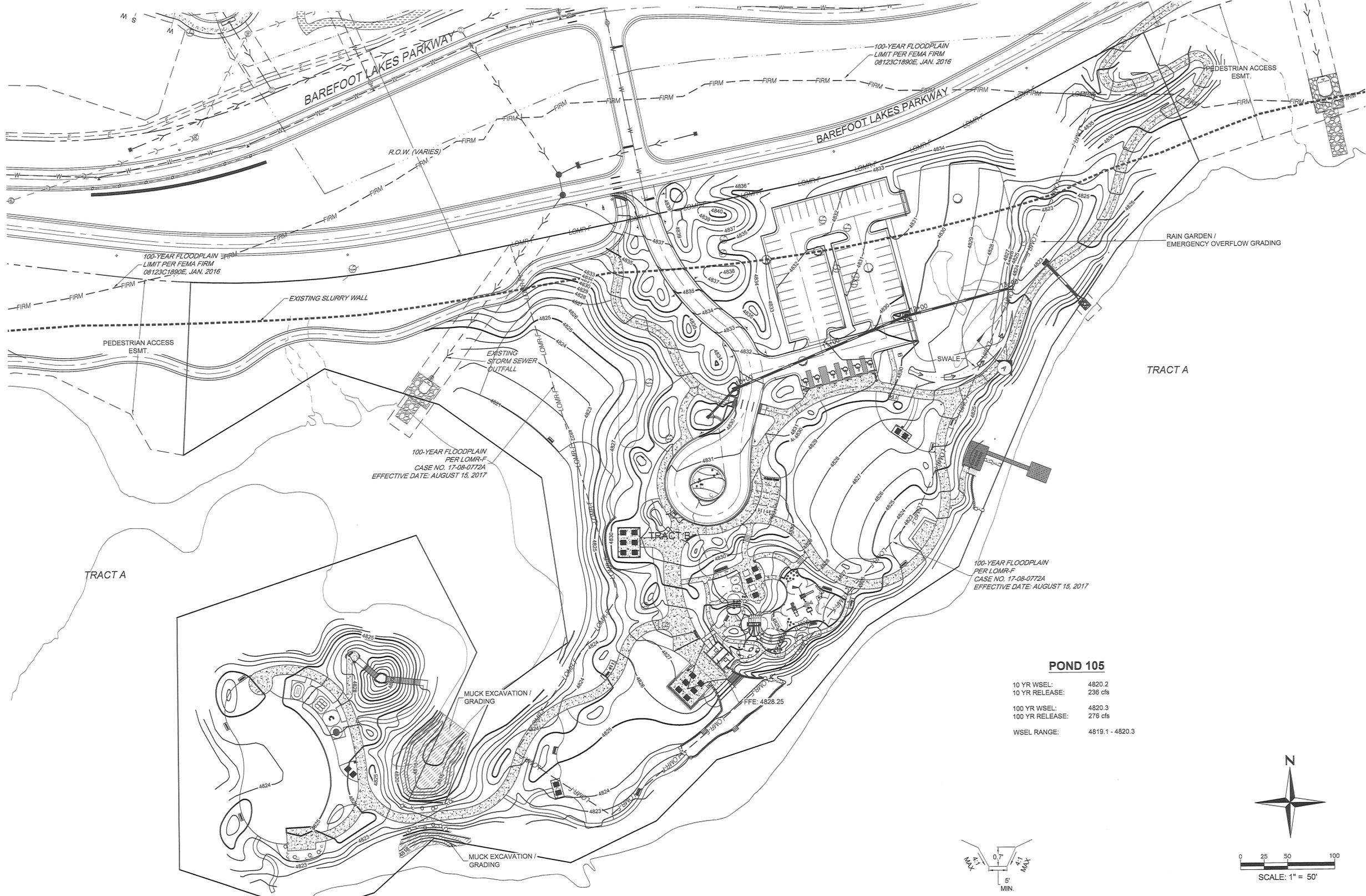
DW PROJECT NUMBER: 5311

**FIRESTONE
 INFORMATION BLOCK
 BAREFOOT LAKES**

SITE DETAILS

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
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Revision 4:	10.13.2017
Revision 5:	12.6.2017
Sheet	14 of 45

Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
GRADING PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 15 of 43



POND 105

10 YR WSEL:	4820.2
10 YR RELEASE:	236 cfs
100 YR WSEL:	4820.3
100 YR RELEASE:	276 cfs
WSEL RANGE:	4819.1 - 4820.3

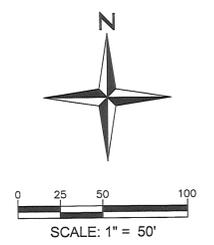
A SWALE SECTION
 NOT TO SCALE

NOTE:
 1. REFER TO LANDSCAPE SHEETS FOR FINE GRADING DETAIL AND ADDITIONAL INFORMATION.

FINAL DEVELOPMENT PLAN
BAREFOOT LAKES
REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311

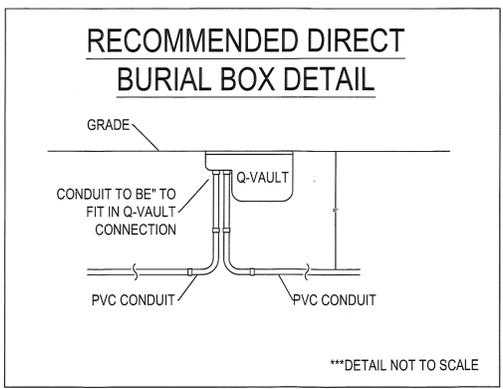
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BAREFOOT LAKES	
GRADING PLAN	
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Revision 5:	12.6.2017
Sheet	15 of 45



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 02/19/2018 12:28 PM
 R. F. # 403
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 4378618
 02/19/2018 12:28 PM
 R. F. # 403
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ARCHITECTURAL LIGHTING FIXTURE SCHEDULE				
SYMBOL	FIXTURE TYPE	MANUFACTURER	MODEL	DESCRIPTION
AL1	UNITED POWER	UNITED POWER	M26 SERIES	
1	UNITED POWER	UNITED POWER	M26-150C	150W metal Halide mounted on bracket arm, 25' pole, photoelectric eye, concrete foundation
G1	HEVI LITE	HEVI LITE	HL-373 SERIES	
1	HEVI LITE	HEVI LITE	HL-373-BK-120	Ceiling mount cylinder, Black Finish.
1	HEVI LITE	HEVI LITE	LA-4-20	Soft Focus Lens (diffused)
1	SORAA	SORAA	SP20-11-25D-930-03	LED PAR20 Lamp, Vivid, 11W, 3000K, 25deg, 90CRI
H1	SLV LIGHTING	SLV LIGHTING	BULAN GRID SERIES	
1	SLV LIGHTING	SLV LIGHTING	751143U	Bulan grid exterior ceiling mount, LED, 20W, 3000K, 1800lm, Black Finish.
VT1	PHILIPS STONCO	PHILIPS STONCO	VCXL SERIES	
1	CREE	PHILIPS STONCO	A21-100W-27K	Lamp (led), 120v, 100w Equivalent, 2700K, E26 base.
1	PHILIPS STONCO	PHILIPS STONCO	VCXL-11-GCN	Roughlyte Ceiling Mount Fixture with Glass Globe and Cast Gaurd, 100W Maximum.
X01	CREE	CREE	PWY SERIES	
1	CREE	CREE	PWY-EDG-5M-P4-02-E-UL-525-1K	LED bollard, Type V distribution, 42" Tall, UL Voltage, Finish TBD, 525 mA, Color Temp TBD.

Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 LIGHTING NOTES
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 17 of 45



ALL SPECIFIED AND FUTURE
 LIGHTING LOCATIONS TO BE
 RED-FLAGGED ON SITE PRIOR TO
 INSTALL.

DESIGNWORKSHOP
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 Denver, CO 80204-2048
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FINAL DEVELOPMENT PLAN
BAREFOOT LAKES
REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

SPECIFICATION & DETAIL NOTES BY DISCIPLINE	
INTERIOR LIGHTING	
LOCATION AND ACCESSIBILITY OF REMOTE TRANSFORMER / BALLAST / POWER SUPPLY TO BE COORDINATED WITH THE PROJECT TEAM PRIOR TO ROUGH-IN. EC TO PROVIDE PRIMARY AND SECONDARY WIRE FEED(S) FROM CONTROL LOCATION AND TO LIGHTING FIXTURE(S) AS DETERMINED BY THE TYPE, VOLTAGE, AND WATTAGE OF THE LIGHT FIXTURE(S). EXACT CONFIGURATIONS FOR TRANSFORMER / BALLAST / POWER SUPPLY TBD BASED ON TYPE, VOLTAGE, AND WATTAGE OF THE LIGHT FIXTURE(S). REFER TO TRANSFORMER SCHEDULE.	
IF FIREPLACE IGNITER IS TO BE CONNECTED TO AND OPERATED VIA LIGHTING CONTROL SYSTEM, COORDINATE AND VERIFY WIRING CONNECTIONS AND INSTALLATION REQUIREMENTS WITH MANUFACTURER PRIOR TO ROUGH-IN.	
CONFIRM EXACT RECESSED IN-WALL CLOCK OUTLET LOCATION AND MOUNTING HEIGHT WITH DESIGN TEAM PRIOR TO ROUGH-IN.	
EXACT SCENCE/SWING ARM LOCATION AND MOUNTING HEIGHT TO BE COORDINATED AND CONFIRMED WITH DESIGN TEAM PRIOR TO ROUGH-IN. LS RECOMMENDS LEAVING A 3" PIGTAIL AT EACH LOCATION SHOULD SCENCE LOCATION REQUIRE MODIFICATION.	
IN THE CASE OF PREWIRE POWER LOCATION FOR FUTURE INTEGRATED LIGHTING, ENSURE ACCESSIBILITY TO JUNCTION BOX AND PROVIDE WIRE TO POSSIBLE REMOTE TRANSFORMER LOCATION WITHIN 50'-0". PROVIDE SEPARATE WIRE RUN BACK TO LIGHTING CONTROL SYSTEM PANEL OR STANDARD LIGHT SWITCH LOCATION.	
PROVIDE AND INSTALL OCCUPANCY SENSOR FOR LOCALIZED LIGHTING CONTROL AS INDICATED ON PLAN. EXACT LOCATION TO BE DETERMINED ON-SITE.	
FOR LOW VOLTAGE MAGNETIC CONTACT SWITCHES, EC TO COORDINATE TRANSFORMER LOCATION.	
EXTERIOR LIGHTING	
REFER TO LS DISTRIBUTION SCHEDULE FOR ALL SPECIFICATION INFORMATION PERTAINING TO LANDSCAPE LIGHTING AND DISTRIBUTION PLANS.	
PROVIDE IN-TREE J-BOX TO CONNECT TREE LIGHTING FIXTURE WIRING TO DIRECT BURIAL LOW VOLTAGE WIRE COMING FROM REMOTE DIRECT BURIAL BOX.	
PROVIDE AND INSTALL EXTERIOR RATED GFI-WHILE-IN-USE RECEPTACLE ON EXTENDABLE STEM FOR ANY ITEMS NOTED AS "SEASONAL LIGHTING". EXACT SPECIFICATION AND LOCATION TO BE COORDINATED WITH PROJECT TEAM PRIOR TO ROUGH-IN.	
SEE EXTERIOR TRANSFORMER & DISTRIBUTION SCHEDULE ON LIGHTING PLANS FOR EXACT CATALOG NUMBERS AND INFORMATION PERTAINING TO TRANSFORMERS.	
ARCHITECTURAL LIGHTING FIXTURE SPECIFICATIONS	
LS SHALL PROVIDE A COMPLETE SPECIFICATION PACKAGE AND / OR FIXTURE SCHEDULE FOR ARCHITECTURAL LIGHTING FIXTURES INCLUDING LAMPING, NOTES AND COMPLETE CATALOG NUMBERS. FINISH SPECIFICATION TBD BASED ON CLIENT APPROVAL. FINISHES TO BE DETERMINED PRIOR TO PURCHASING.	
BE RESPONSIBLE FOR THE PURCHASE, SUPPLY, INSTALLATION, MAINTENANCE AND WARRANTY OF ALL SPECIFIED ARCHITECTURAL LIGHTING FIXTURES.	
ANY CONFUSION AND/OR DISCREPANCIES WITH THE SPECIFIED CATALOG NUMBERS WHEN ORDERING THE FIXTURES SHALL BE REVIEWED WITH LS PRIOR TO ORDERING.	
PRIOR TO ORDERING, BE RESPONSIBLE FOR COORDINATING THE PROPER CONFIGURATIONS FOR ALL THE SPECIFIED ARCHITECTURAL LINEAR LIGHT SOURCES.	
PRIOR TO ORDERING, BE RESPONSIBLE FOR COORDINATING THE CONFIGURATION FOR LOW VOLTAGE TRANSFORMERS BASED ON LOAD TYPE, WATTAGE AND VOLTAGE.	
PRIOR TO ORDERING, THE EC SHALL BE RESPONSIBLE FOR COORDINATING ALL COMPONENTS FOR ANY TRACK LIGHTING INSTALLATION.	
EXACT FINISHES OF ALL ARCHITECTURAL LIGHTING COMPONENTS SHALL BE REVIEWED AND APPROVED BY THE DESIGN TEAM INCLUDING, BUT NOT LIMITED TO, THE ARCHITECT, INTERIOR DESIGNER, CLIENT AND/OR THE CLIENT REPRESENTATIVE PRIOR TO ORDERING.	
LS RECOMMENDS THAT ALL DOWNLIGHT TRIM RINGS BE FAUX PAINTED TO MATCH THE CEILING FINISH.	
FINAL BEAM SPREAD FOR ALL LED DOWNLIGHTS TO BE VERIFIED PRIOR TO ORDERING.	
FIELD VERIFY CEILING CONDITION PRIOR TO ORDER. CEILING THICKNESS WILL DETERMINE DEPTH OF TRIMS.	
DECORATIVE LIGHTING FIXTURE SPECIFICATIONS	
LS SHALL PROVIDE GENERAL GUIDELINES FOR DECORATIVE LIGHTING SPECIFICATION INCLUDING RECOMMENDED SIZES AND WATTAGES (OR AS OUTLINED IN CONTRACT).	
UNLESS REQUESTED BY THE CLIENT, LS SHALL NOT BE RESPONSIBLE FOR EXACT SPECIFICATIONS OF ANY DECORATIVE LIGHTING FIXTURES.	
THE ARCHITECT, INTERIOR DESIGNER, CLIENT AND/OR CLIENT REPRESENTATIVE SHALL BE RESPONSIBLE FOR COORDINATING THE DECORATIVE FIXTURE SELECTIONS, AND ANY CHANGES OR SPECIAL MODIFICATIONS TO THEM, WITH LS TO VERIFY THAT THE LOAD TYPES, WATTAGES, LAMPING, FINISHES, SOURCE TYPE, AND SHADES ARE APPROPRIATE FOR REQUIRED LIGHT OUTPUT AND COMPATIBLE WITH THE CONTROL SYSTEM.	
ALL DECORATIVE FIXTURE SIZES AND WEIGHTS TO BE COORDINATED BY OTHERS ENSURE THAT PROPER BLOCKING IS IN PLACE TO SUPPORT AND MOUNT FIXTURES.	

GENERAL NOTES BY DISCIPLINE	
LIGHTING CONTROL	
LAYOUT ALL DEVICE LOCATIONS PRIOR TO INSTALL FOR SITE WALK-THROUGH WITH LS AND ARCHITECT / INTERIORS / CLIENT (ALL DESIGN TEAM PARTIES APPLICABLE).	
REFER TO CONTROL PLANS FOR ALL ROUGH-IN J-BOX LOCATIONS AND APPROPRIATE GANGING OF ALL LIGHTING CONTROL / SWITCHING LOCATIONS INCLUDING SYSTEM AND NON-SYSTEM CONTROL DEVICES.	
IF CONTROL SYSTEMS SPECIFICATION IS PROVIDED BY LS, FINAL DESIGN COMPONENTS TO BE APPROVED BY DESIGN TEAM PRIOR TO ROUGH-IN.	
CONTROL SYSTEM INSTALLATION SHALL BE PERFORMED BY A CERTIFIED INSTALLER OF THE SPECIFIED CONTROL SYSTEM.	
ALL LOW VOLTAGE WIRING AND LINE VOLTAGE LANDINGS TO BE VERIFIED BY INSTALLER IN FIELD. ANY CHANGES TO THESE CONFIGURATIONS SHALL BE SUBMITTED TO LS FOR REVIEW AND APPROVAL.	
THE FOLLOWING SHOULD BE PULLED TO EACH FIREPLACE LOCATION: A LINE VOLTAGE CONTROL SWITCH LEG, A CONSTANT VOLTAGE LINE, A LOW VOLTAGE CONTACT FEED FROM A REMOTE LOCATION.	
LIGHTING	
LAYOUT ALL LIGHT LOCATIONS PRIOR TO INSTALL FOR SITE WALK-THROUGH WITH LS AND ARCHITECT / INTERIORS / CLIENT (ALL DESIGN TEAM PARTIES APPLICABLE).	
REFER TO LIGHTING PLANS FOR ALL ROUGH-IN J-BOX LOCATIONS. BOXING WALK-THROUGH SHOULD BE DONE PRIOR TO WIRING AND DRYWALL TO CONFIRM ALL BOX HEIGHTS / LOCATIONS WITH LS AND DESIGN TEAM.	
ALL SIDES OF IC RATED DOWNLIGHT HOUSINGS TO BE SURROUNDED BY A 3" AIR GAP OR 3" OF BATT INSULATION. UNLESS THE DOWNLIGHT HOUSING IS SPECIFICALLY RATED FOR DIRECT CONTACT WITH SPRAY FOAM INSULATION.	
DECORATIVE LIGHTING SPECIFICATIONS TO BE PROVIDED BY DESIGN TEAM PRIOR TO DRYWALL SO BOXING AND BLOCKING CAN BE COORDINATED.	
REFER TO SPECIFICATION NOTES FOR FURTHER CLARIFICATION.	

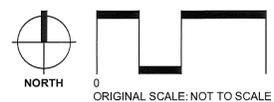
ELECTRICAL DEVICE LEGEND	
⊕	CEILING OR FLOOR JUNCTION BOX
⊕	WALL OR SURFACE MOUNT JUNCTION BOX
⊕	SHADE MOTOR
⊕	FIREPLACE IGNITER
⊕	REMOTE BALLAST
⊕	DIRECT BURIAL ENCLOSURE
⊕	REMOTE TRANSFORMER
⊕	REMOTE POWER SUPPLY FOR DATA CONTROL
⊕	EXHAUST FAN

ELECTRICAL WIRING LEGEND	
---	LOW VOLTAGE WIRING
---	LINE VOLTAGE WIRING
---	0-10V WIRING - 5 WIRE: HOT, NEUTRAL, GROUND, VIOLET, SLATE (CONTROL)
---	LUTRON HI-LUME A-SERIES 3-WIRE OR ECO SYSTEM WIRING
⊕ TO LOAD	CONTROL CIRCUIT
⊕ TO LOAD	TRANSFORMER WIRING - MULTIPLE SECONDARY FEEDS, SHARED BREAKER
⊕ TO LOAD	TRANSFORMER WIRING - MULTIPLE SECONDARY FEEDS, SEPERATE BREAKERS

DIMENSIONING & NOTE LEGEND	
⊕ - Z - ⊕	CENTERLINE & DIMENSIONS

LIGHTING CONTROL (NON-SYSTEM) LEGEND	
⊕	PHOTOCELL SENSOR (WIRED & RF)
⊕	OCCUPANCY SENSOR (WIRED & RF)
\$ \$ ₁ \$ ₂ \$ ₃ \$ ₄	STANDARD SWITCHES
\$ _{ms}	MASTER SWITCH
\$ _{as}	ACCESSORY SWITCH
\$ _{sd} \$ _{sd}	STANDARD DIMMING SWITCHES
\$ _{nd}	MASTER DIMMER
\$ _{ad}	ACCESSORY DIMMER
\$ _{door}	DOOR JAMB SWITCH - LOW VOLTAGE CONTACT
\$ _{vac}	VACANCY SENSOR SWITCH
\$ ₁	TIMED SHUTOFF SWITCH
\$ _{os}	OCCUPANCY SENSOR SWITCH
\$ _{fan}	CEILING FAN SWITCH

LIGHTING CONTROL (SYSTEM) LEGEND	
⊕ _{ms}	MASTER SWITCH
⊕ _{rs}	REMOTE SWITCH
⊕ _{nd}	MASTER DIMMER
⊕ _{rd}	REMOTE DIMMER
⊕ _{ss} ⊕ _{sd}	SYSTEM SWITCH (RF & WIRED)
⊕ _{ms}	MASTER RF SWITCH
⊕ _{rd}	MASTER RF DIMMER
⊕ _{kp} ⊕ _{kp}	KEYPAD STATION (RF & WIRED)
⊕ _{ld}	RF PLUG-IN LAMP DIMMER
⊕ _{rp}	RF REPEATER
⊕ _{ep}	ELECTRICAL ENCLOSURE
⊕ _{lp}	LIGHTING ENCLOSURE
⊕ _{ap}	LOW VOLTAGE AUXILIARY ENCLOSURE
⊕ _{sp}	SHADE ENCLOSURE
⊕ _{pm} ⊕ _{rm}	WALL POWER MODULE (WIRED & RF)
⊕ _{pk} ⊕ _{pk}	PHANTOM KEYPAD FOR INTEGRATION (WIRED & RF)
⊕ _{tp}	TABLE TOP RF KEYPAD
⊕ TO LOAD	CONTROL CIRCUIT
⊕ TO LOAD	HYBRID STATION WITH INTEGRAL DIMMER / RELAY (RF & WIRED)



FIRESTONE INFORMATION BLOCK	
BAREFOOT LAKES	
LIGHTING NOTES	
Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017
Sheet	17 of 45

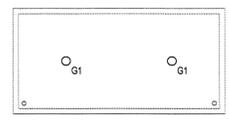
627818 18 of 45
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Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 LIGHTING PLAN AND DETAILS
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 18 of 45

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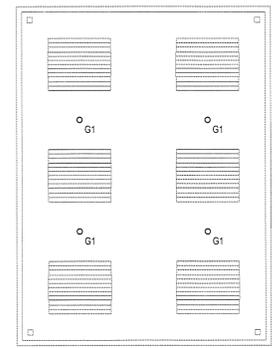
FINAL DEVELOPMENT PLAN
BAREFOOT LAKES
REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

1
 18
 GATEWAY PAVILION LIGHTING
 SCALE: 1/8" = 1'-0"



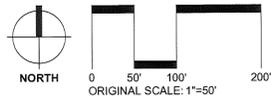
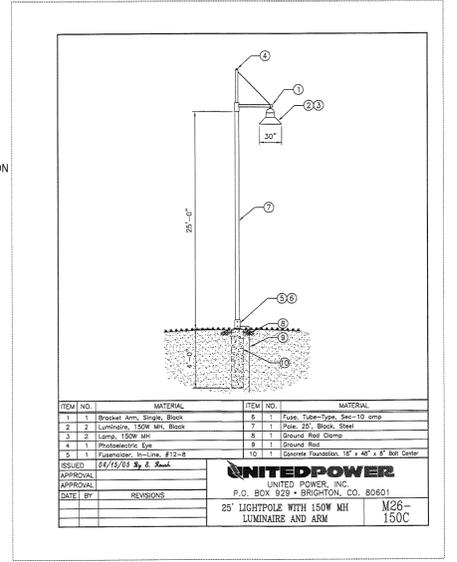
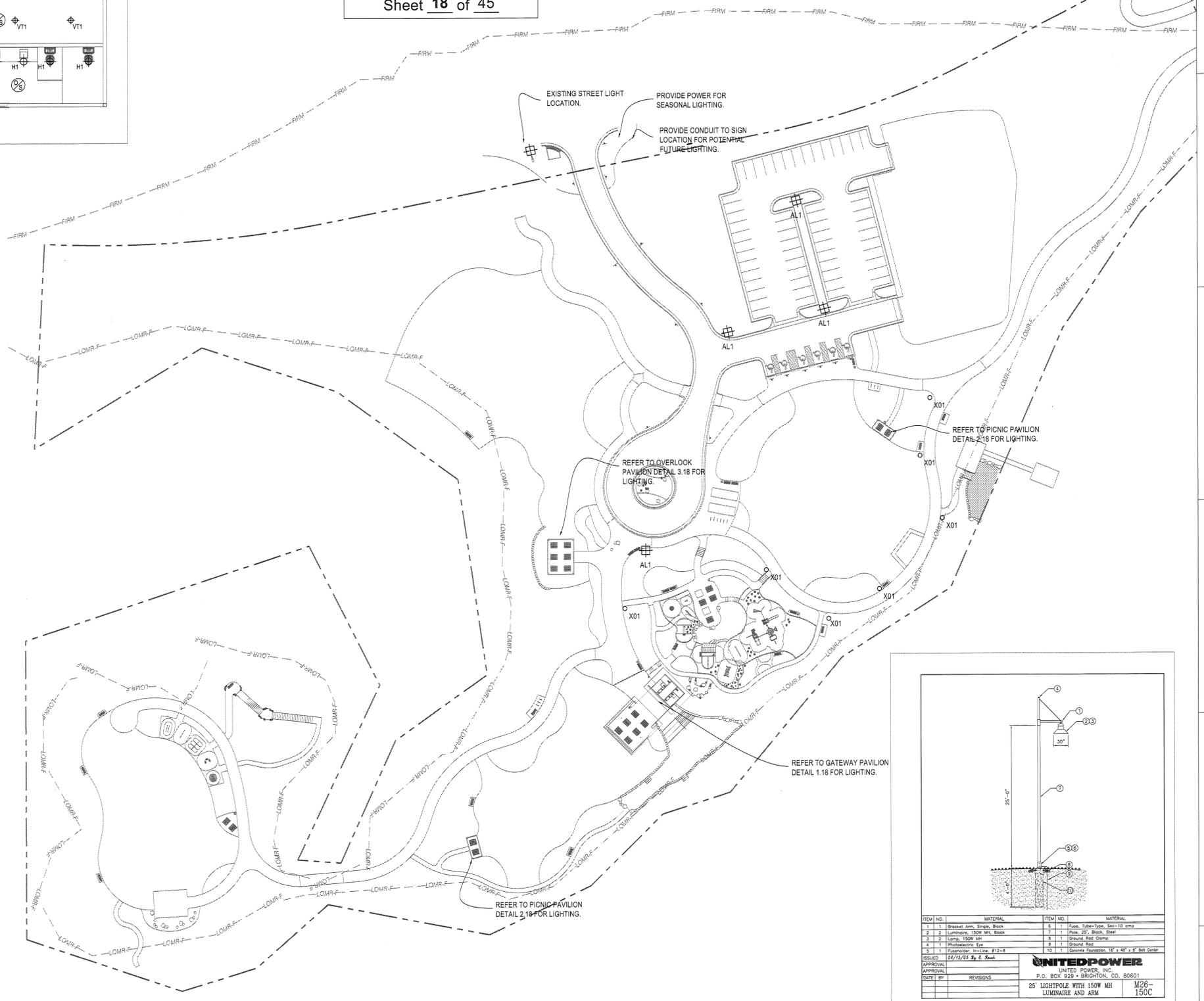
LIGHTING SHOWN FOR REFERENCE. VERIFY THAT LIGHTING IS NOT INCLUDED IN PREFABRICATED STRUCTURES PROVIDED BY THE MANUFACTURER.

2
 18
 PICNIC PAVILION LIGHTING
 SCALE: 1/8" = 1'-0"



LIGHTING SHOWN FOR REFERENCE. VERIFY THAT LIGHTING IS NOT INCLUDED IN PREFABRICATED STRUCTURES PROVIDED BY THE MANUFACTURER.

3
 18
 OVERLOOK PAVILION LIGHTING
 SCALE: 1/8" = 1'-0"



DW PROJECT NUMBER: 5311

FIRESTONE
INFORMATION BLOCK
BAREFOOT LAKES

LIGHTING PLAN
AND DETAILS

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Sheet	18 of 45

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Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 PHOTOMETRIC STUDY
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 19 of 45

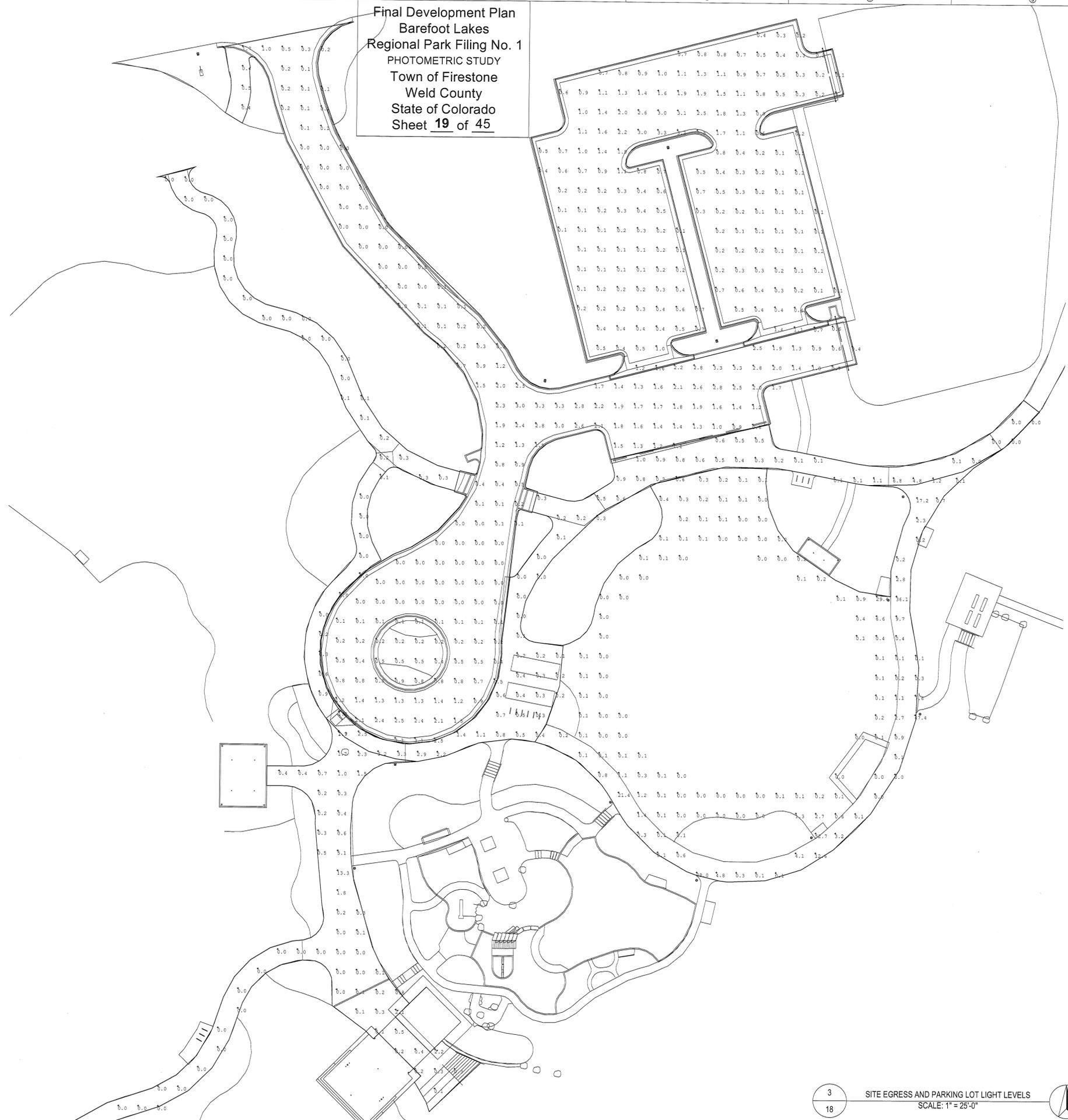
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**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1**
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO



3 SITE EGRESS AND PARKING LOT LIGHT LEVELS
 18 SCALE: 1" = 25'-0"



DW PROJECT NUMBER: 5311

**FIRESTONE
 INFORMATION BLOCK**

BAREFOOT LAKES

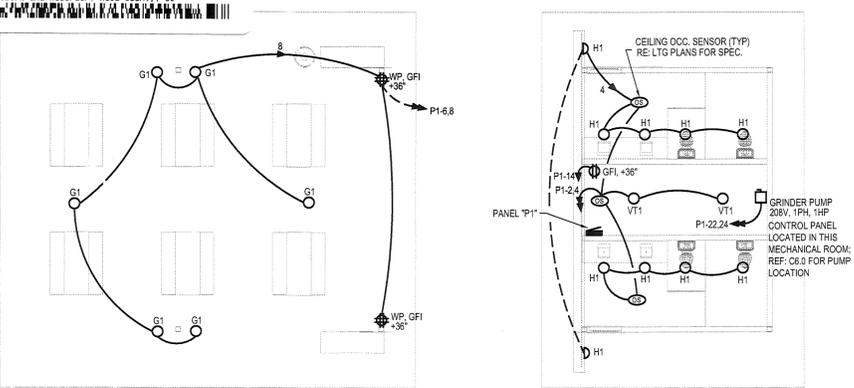
**PHOTOMETRIC
 STUDY**

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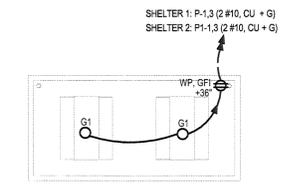
Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 ELECTRICAL PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 20 of 45



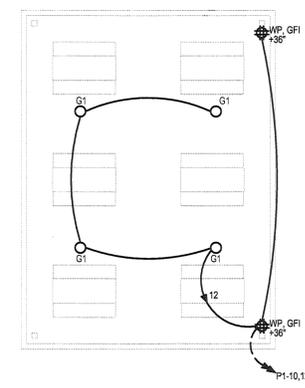
FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO



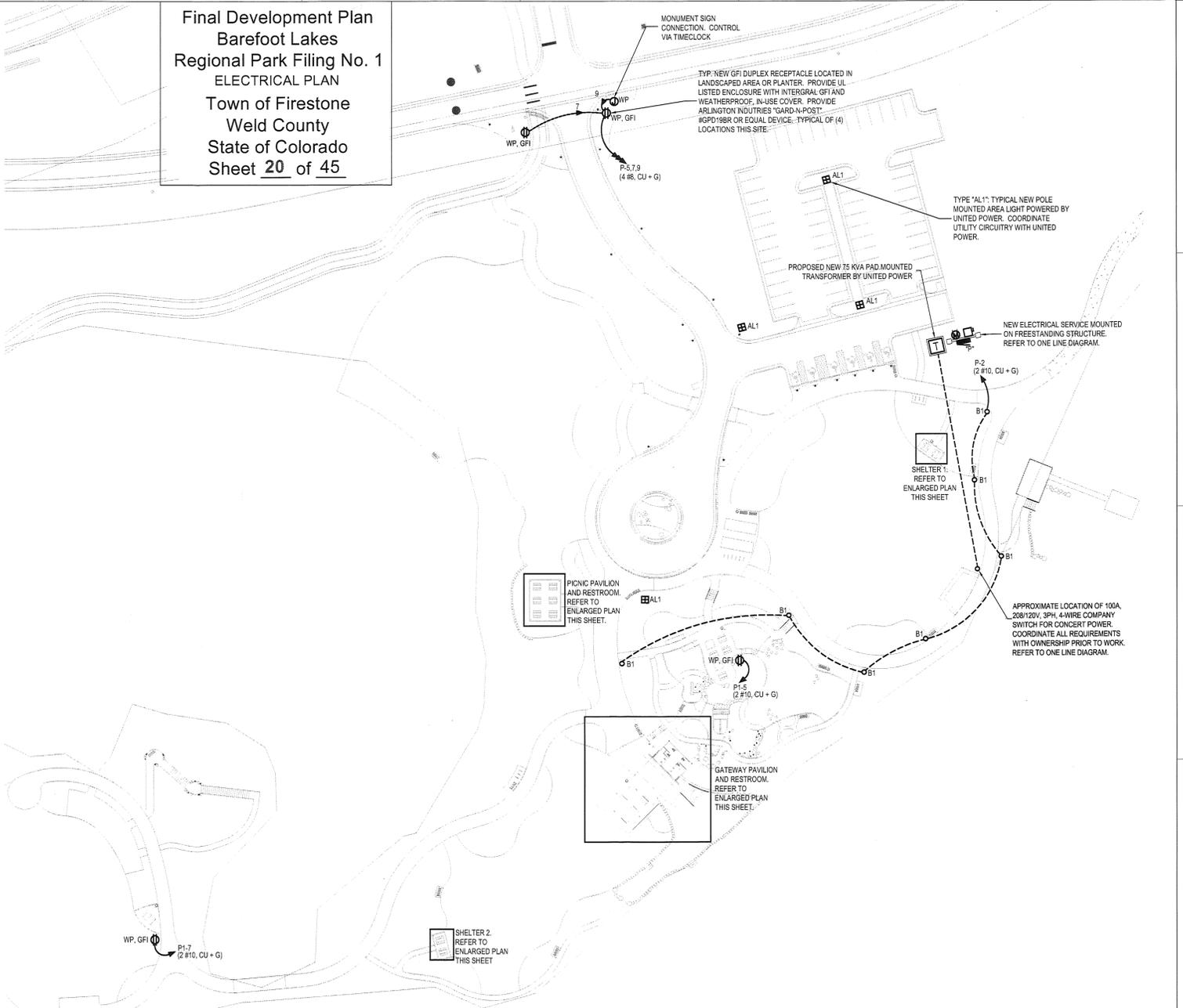
RESTROOM AND GATEWAY PAVILION PLAN
 SCALE: 1/8"=1'-0"



TYPICAL SHELTER PLAN
 SCALE: 1/8"=1'-0"



PICNIC PAVILION PLAN
 SCALE: 1/8"=1'-0"



SITE ELECTRICAL PLAN
 SCALE: 1"=50'-0"

ELECTRICAL SHEET SPECIFICATIONS:

GENERAL:
 THESE ELECTRICAL DRAWINGS ARE DIAGRAMMATIC AND REQUIRE TRADESMEN SKILLED IN THE COMMERCIAL ELECTRICAL INDUSTRY TO COORDINATE THE NECESSARY INSTALLATIONS WITH OTHER TRADES. PROVIDE THE NECESSARY MATERIALS AND METHODS FOR THESE INSTALLATIONS, ADDITIONAL BLOCKING OR RACEWAYS FOR CORRECT LIGHTING AND DEVICE LOCATIONS, ETC. AT NO ADDITIONAL COST.

VERIFY ALL EXISTING SITE AND PROJECT CONDITIONS, UTILITY COMPANY SERVICES AND PROVIDE INSTALLATIONS IN COMPLIANCE WITH THESE CONDITIONS. FIELD VERIFY ALL CONDITIONS AND MAKE ALLOWANCES FOR THESE CONDITIONS IN FINAL PRICING. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER TO RESOLUTION PRIOR TO FINAL PRICING.

PROVIDE ALL NECESSARY INSTALLATION PLANNING, MATERIALS AND LABOR TO ENSURE A COMPLETE AND OPERABLE SYSTEM FOR EACH SYSTEM DESIGN INDICATED ON THE DRAWINGS AND THESE SPECIFICATIONS. ENSURE ALL WORK IS IN COMPLIANCE WITH THE CURRENT LOCAL AND NATIONAL ELECTRICAL CODES, FIRE AND SAFETY CODES. FURNISH TO THE G.C. ALL REQUIRED INSPECTION CERTIFICATES. THE CONTRACTOR IS RESPONSIBLE FOR ALL PERMITS, FEES, ETC. AND SHALL ENFORCE WORKERS IDENTIFICATION PER LOCAL AND STATE LAWS.

ALL WORK SHALL BE PERFORMED IN A NEAT AND WORKMANSHIP LIKE MANNER, USING NEW MATERIALS WITH A ONE-YEAR WARRANTY MINIMUM. VERIFY FINISHES OF DEVICES, COVER PLATES, TRIMS, ETC. VERIFY APPROVED ROUTING OF SURFACE CONDUITS ON OUTDOOR STRUCTURES WHERE APPLICABLE.

THIS CONTRACTOR IS RESPONSIBLE FOR ACTUAL DISTANCES FOR FEEDERS AND CIRCUIT ROUTES. DO NOT USE THE FAULT CURRENT CALCULATION FOR ORDERING OR BIDDING FEEDERS. CONTRACTOR IS RESPONSIBLE FOR FIXTURE COUNTS.

THE ELECTRICAL CONTRACTOR SHALL INCLUDE ALL LABOR AND MATERIAL REQUIRED FOR INSTALLATION OF ALL LIGHTING FIXTURES INCLUDING ANY LOW VOLTAGE TRANSFORMERS, TRANSFORMER WALLS, LOW VOLTAGE WIRING AND LIGHTING CONTROL WIRING AS REQUIRED FOR A COMPLETE, OPERATIONAL LIGHTING SYSTEM AS SHOWN ON THESE DRAWINGS AND THE LIGHTING PLANS.

MATERIALS AND METHODS:
 ALL ELECTRICAL EQUIPMENT, DEVICES, LIGHT FIXTURES, CONTROLS, ETC. SHALL BE INSTALLED WITHIN MANUFACTURER'S REQUIREMENTS AND INSTRUCTIONS. ENSURE WORKING CLEARANCES FOR GEAR AND PANELS AND ACCESS TO CONNECTIONS OFF ALL TERMINATIONS.

BRANCH CIRCUITRY AND GROUNDING SHALL COMPLY WITH CODES FOR LOCATION, USE AND SPECIAL OCCUPANCIES. CONDUITS AND FITTINGS SHALL BE AS REQUIRED AND ALLOWED FOR EACH LOCATION.

COORDINATE WITH THE LANDSCAPE ARCHITECT FOR FINAL MOUNTING HEIGHTS AND LOCATIONS OF ALL ELECTRICAL DEVICES MOUNTED TO OR WITHIN OUTDOOR STRUCTURES, WALLS, LANDSCAPING AREAS, ETC. PRIOR TO WORK.

COORDINATE WITH THE LANDSCAPE ARCHITECT FOR FINAL ROUTING OF ALL UNDERGROUND RACEWAYS AND RACEWAYS MOUNTED TO OUTDOOR STRUCTURES AND / OR BRIDGES PRIOR TO WORK.

COORDINATE WITH THE WATER FEATURE CONSULTANT FOR FINAL LOCATIONS AND REQUIREMENTS FOR ALL WATER FEATURE EQUIPMENT (PUMPS, CONTROLLERS, ETC.) PRIOR TO WORK.

COORDINATE WITH THE LIGHTING DESIGNER FOR FINAL LOCATIONS, SPECIFICATIONS, POLE-BASE DETAILS, LIGHTING CONTROL SYSTEMS AND ALL REQUIREMENTS TO ENSURE A COMPLETE AND OPERATIONS LIGHTING SYSTEM.

SUBMITTALS:
 SUBMIT COMPLETE SHOP DRAWINGS OF ALL DISTRIBUTION GEAR, PANEL BOARDS AND LOAD CENTERS, FUSE TYPES AND BREAKERS WHERE SERIES RATING IS REQUIRED AND INDICATED ON THE DRAWINGS. CONTRACTOR TO CHECK AND CORRECT THE SUPPLIER'S SHOP DRAWINGS PRIOR TO SUBMITTING TO ENGINEER.

DISTRIBUTION GEAR AND PANELS:
 PROVIDE A COMPLETE SERVICE DISTRIBUTION SYSTEM PER THE ONE LINE DIAGRAM. FUSES AND BREAKERS NOTED FOR SERIES RATING SHALL BE INSTALLED AS SPECIFIED TO ENSURE PROPER BREAKER BRACING PER THE FAULT CURRENT CALC. CONTRACTOR IS RESPONSIBLE FOR ADDITIONAL ENGINEERING DUE TO SUBSTITUTIONS OF WIRE TYPES THAT AFFECT IBC CALC AND SERIES RATED STUDIES. ALL GEAR SHALL BE Labeled WITH PLACQUES AND PANEL INDEXES TYPED WITH ACCURATE LOADS IDENTIFIED.

PROVIDE FUSED AND NON-FUSED (WHERE APPROVED) DISCONNECT SWITCHES, RATED FOR LOCATION AND USE FOR ALL EQUIPMENT.

PROVIDE SERVICE GROUNDING PER THE CURRENT N.E.C. ARTICLE 250. WHERE APPLICABLE, COORDINATE THE UFER GROUNDING INSTALLATION PRIOR TO FOUNDATION POUR.

ALL FEEDERS AND BRANCH CIRCUITS SHALL BE EQUIPPED WITH GROUNDING CONDUCTORS AND GROUNDED PER NEC 250. ENSURE GROUNDING JUMPERS AND BONDING THROUGHOUT THE SYSTEM.

ELECTRICAL DEVICES:
 ALL DEVICES SHALL BE RATED FOR THE OVER CURRENT PROTECTION. VERIFY FINISHES AND DEVICE TYPES WITH ARCHITECT PRIOR TO ORDERING / BID. ENSURE GROUND FAULT DEVICES PER CODE AND ENSURE W.P. DEVICES ON EXTERIOR WALLS AND ON ROOF. ALL DEVICES SHALL BE RATED FOR USE IN SPECIAL OCCUPANCY USE AND LOCATIONS.

SPECIAL EQUIPMENT:
 REFER TO SUPPLIER DRAWINGS FOR FINAL EQUIPMENT LOCATIONS, EQUIPMENT SCHEDULE AND COORDINATE VOLTAGES AND NAMEPLATE OVER CURRENT PROTECTION. VERIFY UNITS FURNISHED WITH DISCONNECTS, STARTERS, ETC. ENSURE WIRE AND FUSE / BREAKER SIZES FOR UNITS. PROVIDE MAINTENANCE RECEPTACLES WHERE REQUIRED.

VERIFY ROUGH-IN FOR CONTROLS AND LOW VOLTAGE TRANSFORMER POWER SUPPLIES.

APPLICABLE CODE AND LICENSING NOTES:

LICENSING REQUIREMENTS:
 PER COLORADO LAW CRS 12-23-101 ET. SEQ. PERSONS PERFORMING ELECTRICAL WORK FOR HIRE MUST NOT ONLY BE LICENSED, BUT MUST ALSO EITHER HOLD A MASTER ELECTRICIAN'S LICENSE AND AN ELECTRICAL CONTRACTOR'S LICENSE OR BE WORKING UNDER THE DIRECT SUPERVISION OF A LICENSED INDIVIDUAL.

APPLICABLE CODE FOR ELECTRICAL WORK:
 ALL ELECTRICAL WORK MUST BE DESIGNED/INSTALLED IN ACCORDANCE WITH THE 2014 NEC.

LEGEND

- ⊕ METER
- ⊕ JUNCTION BOX
- ⊕ DUPLEX RECEPTACLE MIN. STD. WALL HEIGHT
- ⊕ MOTOR
- ⊕ DISCONNECT-RATED FOR USE
- ⊕ LOW VOLTAGE TRANSFORMER
- ⊕ WEATHERPROOF
- GFI GROUND FAULT INTERRUPTER, PROTECT DOWNSTREAM ABOVE COUNTER
- AC ABOVE COUNTER
- HR MOUNT RECEPTACLE HORIZONTALLY.

PANEL "P"
 208 / 120 VOLTS, 3 PHASE, 4 WIRE
 225 AMPS/IMLO
 NEW SURFACE NEMA 3R
 SIEMENS AIC: 22,000
 NOTES: MAX 200A THIS PANEL

CIRCUIT DESCRIPTION	V	CIRCUIT	PHASE	CIRCUIT	V	CIRCUIT DESCRIPTION
1 SHELTER 1 RCPT	180	20	0	20	140	BOLLARD LIGHTS
2 SHELTER 2 LITS	22	20	0	20	60	RR EXTERIOR LITS
3 ENTRY HOLIDAY GFI	500	20	0	20	720	GATEWAY PAV. REPTS
4 HOLIDAY GFI	20	0	0	20	66	GATEWAY PAV. LITS
5 ENTRY HOLIDAY GFI	500	20	0	20	720	PICNIC SHELTER RCPTS
6 HOLIDAY GFI	20	0	0	20	44	PICNIC SHELTER LITS
7 HOLIDAY GFI	20	0	0	20	180	RR BUILDING GFI
8 SPARE						SPACE
9 MONUMENT SIGN	1200	20	0	20		SPACE
10 SPARE						SPACE
11 SPARE						SPACE
12 SPARE						SPACE
13 SPARE						SPACE
14 SPARE						SPACE
15 SPARE						SPACE
16 SPARE						SPACE
17 SPARE						SPACE
18 PANEL "P1" IN RR BLDG	2167	60/3	0	100/3	10000	COMPANY SWITCH
19	2167	/	0	/	10000	
20	2167	/	0	/	10000	
21						
22						
23						

PHASE	PHASE B	PHASE C
13.0	13.4	13.7

LOAD TYPE	CONV. KVA	DEMAND %	DEMAND KVA
LIGHTING	2.3	125	2.9
RECEPTACLE LOADS < 10 KVA	0.2	100	0.2
RECEPTACLE LOADS > 10 KVA	0.0	50	0.0
LARGEST MOTOR LOAD	0.0	175	0.0
MOTOR LOADS	0.0	100	0.0
HEAT	0.0	100	0.0
MISCELLANEOUS LOAD 2	0.0	100	0.0
PANEL "P1"	6.5	100	6.5
MISCELLANEOUS LOAD 4	0.0	100	0.0
COMPANY SWITCH	30.0		30.0
TOTAL KVA:	39.6		TOTAL AMPS: 110.0

NOTE TO CONTRACTOR: COORDINATE ALL CONTROLS FOR LIGHTING CIRCUITS WITH LIGHTING PLANS.

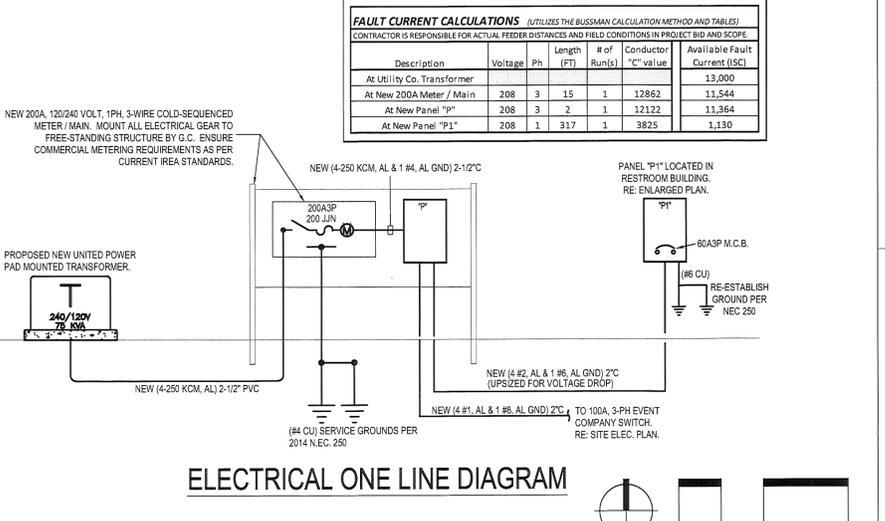
PANEL "P1"
 208 / 120 VOLTS, 3 PHASE, 4 WIRE
 125 AMPS/IMLO
 NEW SURFACE
 SIEMENS AIC: 10,000
 NOTES: MAX 60A THIS PANEL

CIRCUIT DESCRIPTION	V	CIRCUIT	PHASE	CIRCUIT	V	CIRCUIT DESCRIPTION
1 SHELTER 2 RCPT	180	20	0	20	388	RR INTERIOR LIGHTS, RCPT
2 SHELTER 2 LITS	22	20	0	20	60	RR EXTERIOR LITS
3 HOLIDAY GFI	20	0	0	20	720	GATEWAY PAV. REPTS
4 HOLIDAY GFI	20	0	0	20	66	GATEWAY PAV. LITS
5 HOLIDAY GFI	20	0	0	20	720	PICNIC SHELTER RCPTS
6 HOLIDAY GFI	20	0	0	20	44	PICNIC SHELTER LITS
7 HOLIDAY GFI	20	0	0	20	180	RR BUILDING GFI
8 SPARE						SPACE
9 SPARE						SPACE
10 SPARE						SPACE
11 SPARE						SPACE
12 SPARE						SPACE
13 SPARE						SPACE
14 SPARE						SPACE
15 SPARE						SPACE
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23 SPARE						SPACE

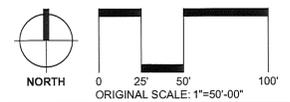
PHASE	PHASE B	PHASE C
0.8	2.5	2.4

LOAD TYPE	CONV. KVA	DEMAND %	DEMAND KVA
LIGHTING	0.6	115	0.7
RECEPTACLE LOADS < 10 KVA	1.6	100	1.6
RECEPTACLE LOADS > 10 KVA	0.0	50	0.0
LARGEST MOTOR LOAD	3.3	125	4.2
MOTOR LOADS	0.0	100	0.0
HEAT	0.0	100	0.0
MISCELLANEOUS LOAD 2	0.0	100	0.0
MISC. DEV. CIRCUITS	0.0	100	0.0
MISCELLANEOUS LOAD 4	0.0	100	0.0
TOTAL KVA:	6.5		TOTAL AMPS: 18.0

NOTE TO CONTRACTOR: COORDINATE ALL CONTROLS FOR LIGHTING CIRCUITS WITH LIGHTING PLANS.



ELECTRICAL ONE LINE DIAGRAM



FAULT CURRENT CALCULATIONS UTILIZES THE BUSMAN CALCULATION METHOD AND TABLES
 CONTRACTOR IS RESPONSIBLE FOR ACTUAL FEEDER DISTANCES AND FIELD CONDITIONS IN PROJECT BID AND SCOPE

Description	Voltage	Ph	Length (FT)	# of Conductors	"C" value	Available Fault Current (ISC)
At Utility Co. Transformer						13,000
At New 200A Meter / Main	208	3	15	1	12862	11,544
At New Panel "P"	208	3	2	1	12122	11,364
At New Panel "P1"	208	1	317	1	3825	1,130

DW PROJECT NUMBER: 5311

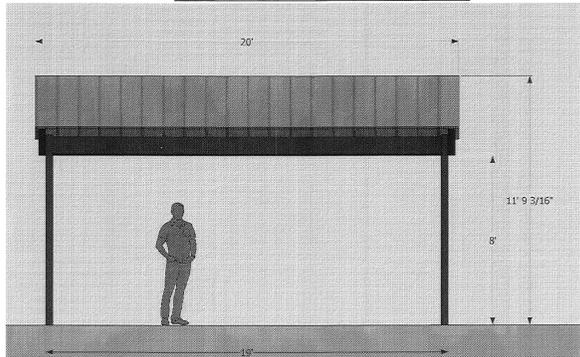
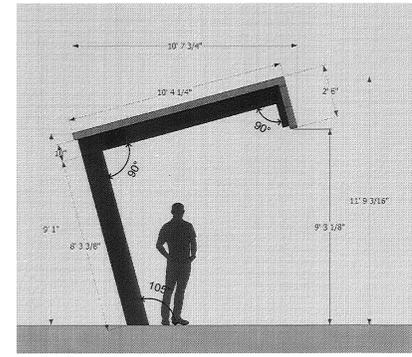
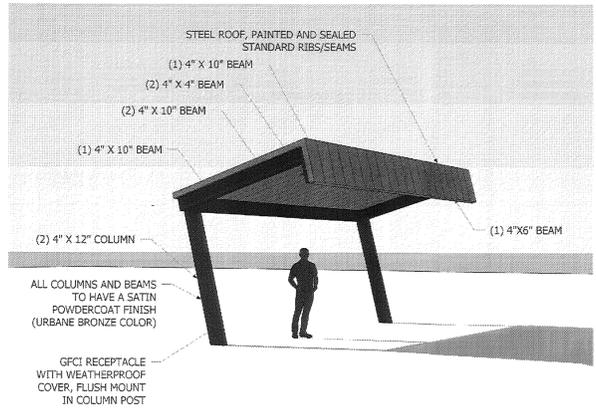
FIRESTONE INFORMATION BLOCK
 BAREFOOT LAKES

ELECTRICAL PLAN

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017
Sheet	20 of 45

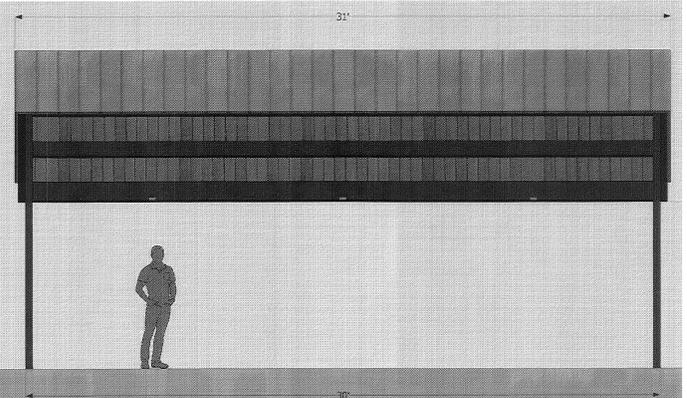
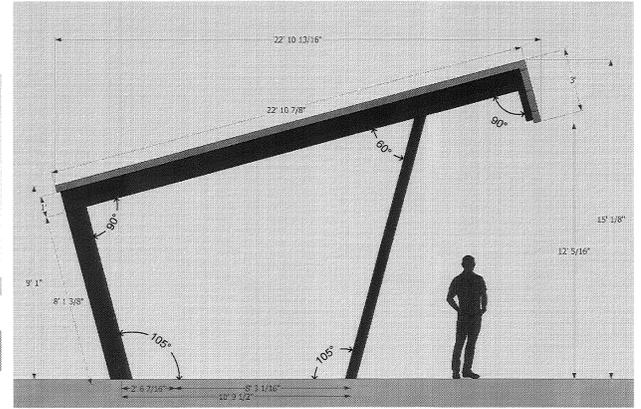
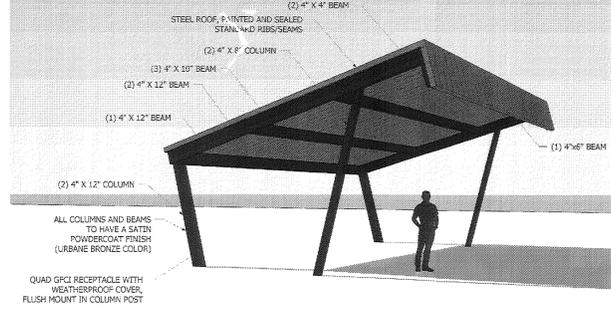
Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 SITE STRUCTURE: SHELTERS
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 21 of 45

NOTE ON COLORS:
 ROOF TO BE LIME GREEN, COLUMNS
 AND BEAMS TO BE URBAN BRONZE. GF1
 RECEPTACLE COVERS AND LIGHTING
 FIXTURES TO BE URBANE BRONZE OR
 MANUFACTURER'S EQUIVALENT.



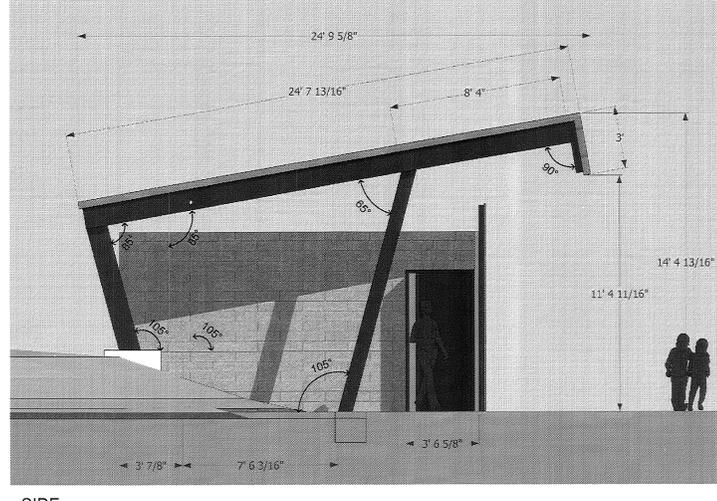
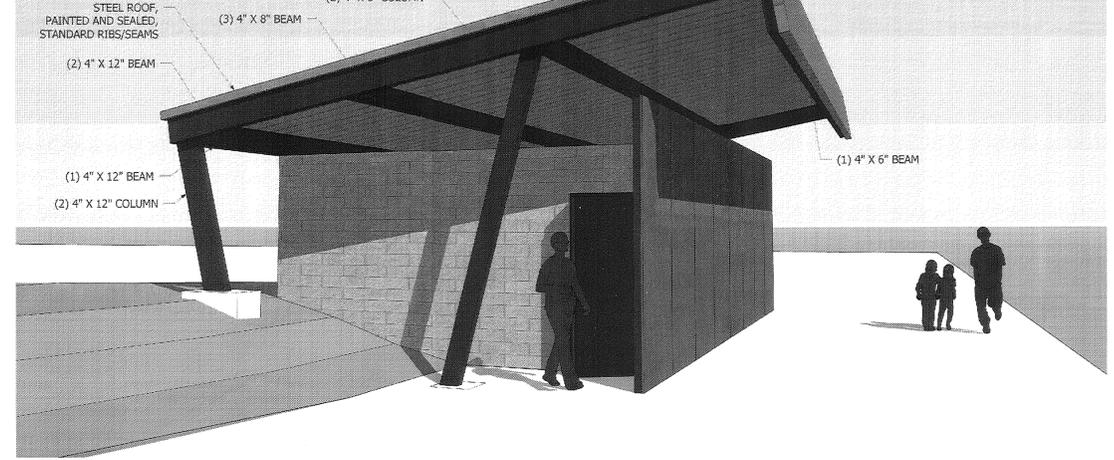
PERSPECTIVE
1 SITE STRUCTURE: PICNIC SHELTER
 SCALE OF ELEVATIONS: 1/4" = 1'-0"

NOTE ON COLORS:
 ROOF TO BE LIME GREEN, COLUMNS
 AND BEAMS TO BE URBAN BRONZE. GF1
 RECEPTACLE COVERS AND LIGHTING
 FIXTURES TO BE URBANE BRONZE OR
 MANUFACTURER'S EQUIVALENT.



PERSPECTIVE
2 SITE STRUCTURE: PICNIC PAVILION
 SCALE OF ELEVATIONS: 1/4" = 1'-0"

NOTE ON COLORS:
 ROOF TO BE LIME GREEN, COLUMNS
 AND BEAMS TO BE URBAN BRONZE. GF1
 RECEPTACLE COVERS AND LIGHTING
 FIXTURES TO BE URBANE BRONZE OR
 MANUFACTURER'S EQUIVALENT.



PERSPECTIVE
3 SITE STRUCTURE: CANOPY OVER RESTROOM
 SCALE OF ELEVATIONS: 1/4" = 1'-0"

SITE KEYNOTES: DETAIL / SHEET

- 1.0 PAVEMENTS, RAMPS, AND CURBS**
 - 1.1 Concrete Pavement
 - 1.2 Crushed Stone Paving
 - 1.3 Play Surface - Poured in Place Rubber
 - 1.4 Play Surface - Engineered Wood Fiber
 - 1.5 Stabilized Soil Pavement
 - 1.6 Concrete Curb at Poured in Place Rubber
 - 1.7 Concrete Curb at Engineered Wood Fiber
 - 1.8 Ramp at Engineered Wood Fiber
 - 1.9 Metal Edging
- 2.0 JOINTING**
 - 2.1 Expansion Joint
 - 2.2 Saw-Cut Control Joint
 - 2.3 Cold Joint
- 3.0 STEPS**
 - 3.1 Stone Slab Steps
 - 3.2, 3.2B Steps at Gateway Pavilion
 - 3.3 Large Stone Slab Steps
 - 3.4 Timber Fitness Stairs
- 4.0 SITE WALLS / EMBANKMENTS**
 - 4.1 Stacked Boulder Wall
 - 4.2 Perched Sand Area
 - 4.3 Pebble Embankment
 - 4.4 Concrete Seat Wall
- 5.0 SITE FURNITURE**
 - 5.1 Bench Type 1 (Backed) 1 / 25
 - 5.2 Bench Type 2 (Backless) 2 / 25
 - 5.3 Trash Receptacle 3 / 25
 - 5.4 Drinking Fountain 4 / 25
 - 5.5 Picnic Table 5 / 25
 - 5.6 Bike Rack 6 / 25
 - 5.7 Side Table 7 / 25
- 6.0 RAILINGS, BARRIERS AND FENCING**
 - 6.1 Handrail (at Stone Slab Steps)
 - 6.2 Handrail (at Concrete Steps)
 - 6.3 Vehicular Gate (Double Arm) 8 / 25
- 7.0 SITE LIGHTING**
 REF : Lighting Series
- 8.0 DRAINAGE**
 - 8.1 French Drain at Amphitheater
 - 8.2 Subsurface Drain at Poured in Place Rubber
 - 8.3 Subsurface Drain at Engineered Wood Fiber
 - 8.4 Landscape Area Drain
 - 8.5 Trench Drain
 - 8.6 Drain Cleanout
 - 8.7 Drain Pipe
- 9.0 PLANTING AND LANDSCAPE**
 REF: Planting Series
- 10.0 MISCELLANEOUS ELEMENTS**
 - 10.1 Landscape Boulder
 - 10.2 Boulder in Poured-in-Place Rubber
 - 10.3 Boulder in Engineered Wood Fiber
 - 10.4 Wood Mulch
- 11.0 FITNESS AND PLAY EQUIPMENT**
 - 11.1 Six Foot Hill Slide 1 / 26
 - 11.2 Three Foot Hill Slide 2 / 26
 - 11.3 (Not Used)
 - 11.4 Two Seat Rocker 4 / 26
 - 11.5 Cornet 1 5 / 26
 - 11.6 Swings 6 / 26
 - 11.7 Balance Challenge 7 / 26
 - 11.8 Large Play Structure 8 / 26
 - 11.9 Wobbly Web, Freestanding 9 / 26
 - 11.10 Pull Up Bars 1 / 27
 - 11.11 Push Up Bars 2 / 27
 - 11.12 Sit-Up Bench 3 / 27
 - 11.13 Parallel Bars 4 / 27
 - 11.14 Box Jump - Low 5 / 27
 - 11.15 Box Jump - Medium 6 / 27
 - 11.16 Box Jump - High 7 / 27
- 12.0 SIGNAGE AND WAYFINDING**
 REF : Signage Series
- X SITE STRUCTURES**
 - A Picnic Shelter 1 / 21
 - B Overlook Shelter 2 / 21
 - C Gateway Pavilion 3 / 21
 - D Restroom 22, 23
 - E Pier 28
 - F Floating Dock and Gangway 29

FINAL DEVELOPMENT PLAN
BAREFOOT LAKES
REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK
 BAREFOOT LAKES

SITE STRUCTURE: SHELTERS	
Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017
Sheet	21 of 45

Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 SITE STRUCTURE: SHELTERS
 Town of Firestone
 Weld County
 State of Colorado
 Sheet **22** of **45**

SITE KEYNOTES:

DETAIL/
 SHEET

1.0 PAVEMENTS, RAMPS, AND CURBS

- 1.1 Concrete Pavement
- 1.2 Crushed Stone Paving
- 1.3 Play Surface - Poured in Place Rubber
- 1.4 Play Surface - Engineered Wood Fiber
- 1.5 Stabilized Soil Pavement
- 1.6 Concrete Curb at Poured in Place Rubber
- 1.7 Concrete Curb at Engineered Wood Fiber
- 1.8 Ramp at Engineered Wood Fiber
- 1.9 Metal Edging

2.0 JOINTING

- 2.1 Expansion Joint
- 2.2 Saw-Cut Control Joint
- 2.3 Cold Joint

3.0 STEPS

- 3.1 Stone Slab Steps
- 3.2, 3.2B Steps at Gateway Pavilion
- 3.3 Large Stone Slab Steps
- 3.4 Timber Fitness Stairs

4.0 SITE WALLS / EMBANKMENTS

- 4.1 Stacked Boulder Wall
- 4.2 Perched Sand Area
- 4.3 Pebble Embankment
- 4.4 Concrete Seat Wall

5.0 SITE FURNITURE

- 5.1 Bench Type 1 (Backed) 1 / 25
- 5.2 Bench Type 2 (Backless) 2 / 25
- 5.3 Trash Receptacle 3 / 25
- 5.4 Drinking Fountain 4 / 25
- 5.5 Picnic Table 5 / 25
- 5.6 Bike Rack 6 / 25
- 5.7 Side Table 7 / 25

6.0 RAILINGS, BARRIERS AND FENCING

- 6.1 Handrail (at Stone Slab Steps)
- 6.2 Handrail (at Concrete Steps)
- 6.3 Vehicular Gate (Double Arm) 8 / 25

7.0 SITE LIGHTING

REF: Lighting Series

8.0 DRAINAGE

- 8.1 French Drain at Amphitheater
- 8.2 Subsurface Drain at Poured in Place Rubber
- 8.3 Subsurface Drain at Engineered Wood Fiber
- 8.4 Landscape Area Drain
- 8.5 Trench Drain
- 8.6 Drain Cleanout
- 8.7 Drain Pipe

9.0 PLANTING AND LANDSCAPE

REF: Planting Series

10.0 MISCELLANEOUS ELEMENTS

- 10.1 Landscape Boulder
- 10.2 Boulder in Poured-in-Place Rubber
- 10.3 Boulder in Engineered Wood Fiber
- 10.4 Wood Mulch

11.0 FITNESS AND PLAY EQUIPMENT

- 11.1 Six Foot Hill Slide 1 / 26
- 11.2 Three Foot Hill Slide 2 / 26
- 11.3 (Not Used)
- 11.4 Two Seat Rocker 4 / 26
- 11.5 Comet I 5 / 26
- 11.6 Swings 6 / 26
- 11.7 Balance Challenge 7 / 26
- 11.8 Large Play Structure 8 / 26
- 11.9 Wobbly Web, Freestanding 9 / 26
- 11.10 Pull Up Bars 1 / 27
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- 11.12 Sit-Up Bench 3 / 27
- 11.13 Parallel Bars 4 / 27
- 11.14 Box Jump - Low 5 / 27
- 11.15 Box Jump - Medium 6 / 27
- 11.16 Box Jump - High 7 / 27

12.0 SIGNAGE AND WAYFINDING

REF: Signage Series

X SITE STRUCTURES

- A Picnic Shelter 1 / 21
- B Overlook Shelter 2 / 21
- C Gateway Pavilion 3 / 21
- D Restroom 22, 23
- E Pier 28
- F Floating Dock and Gangway 29

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**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO**

DW PROJECT NUMBER: 5311

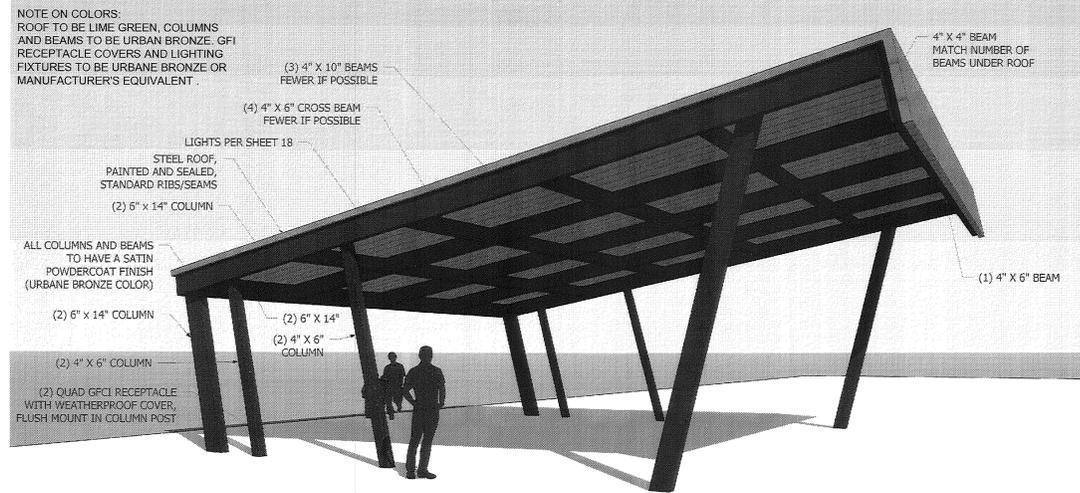
**FIRESTONE
 INFORMATION BLOCK**

BAREFOOT LAKES

**SITE
 STRUCTURE:
 SHELTERS**

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017
Sheet	22 of 45

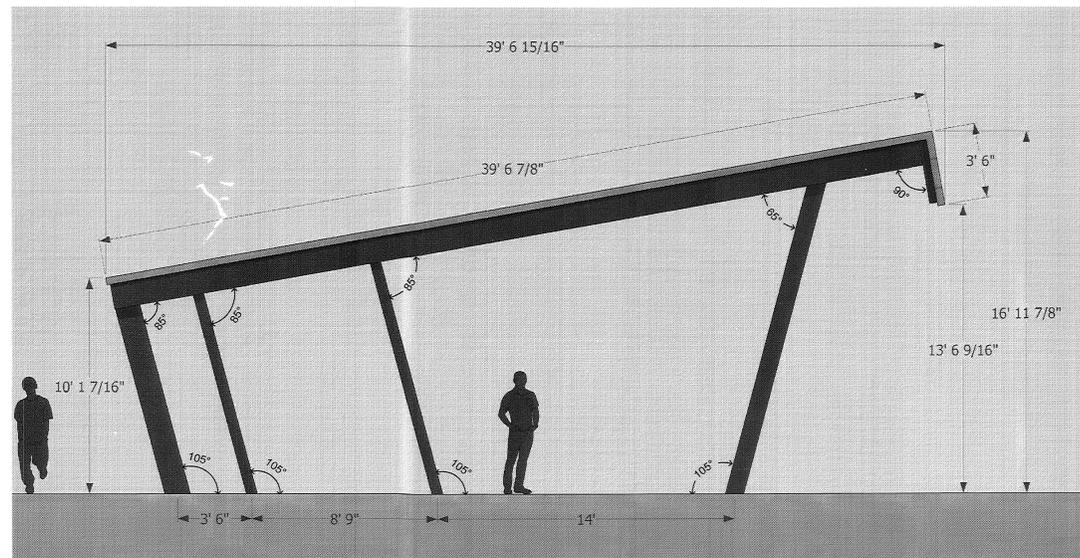
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PERSPECTIVE



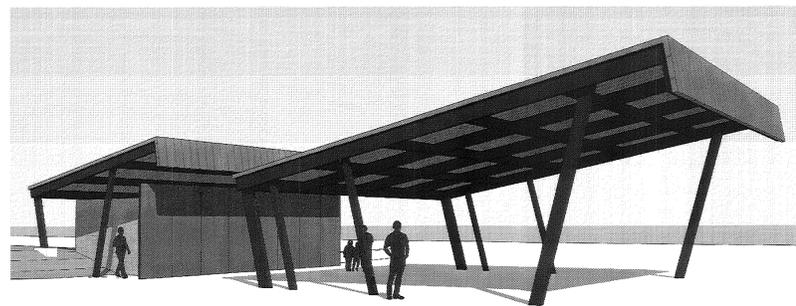
SIDE



FRONT

1 SITE STRUCTURES: GATEWAY PAVILION

SCALE OF ELEVATIONS: 1/4" = 1'-0"

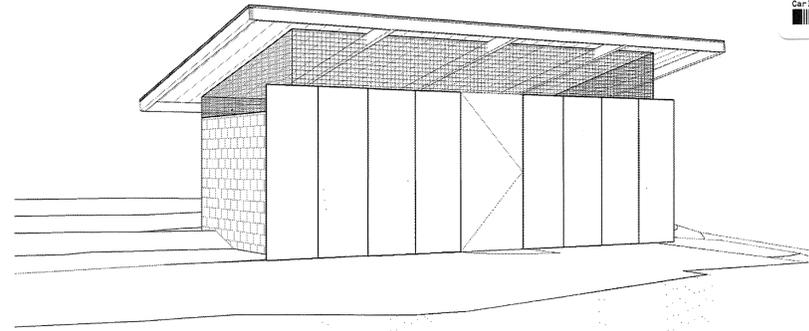


PERSPECTIVE VIEWS OF GATEWAY PAVILION, RESTROOM, AND RESTROOM CANOPY TOGETHER

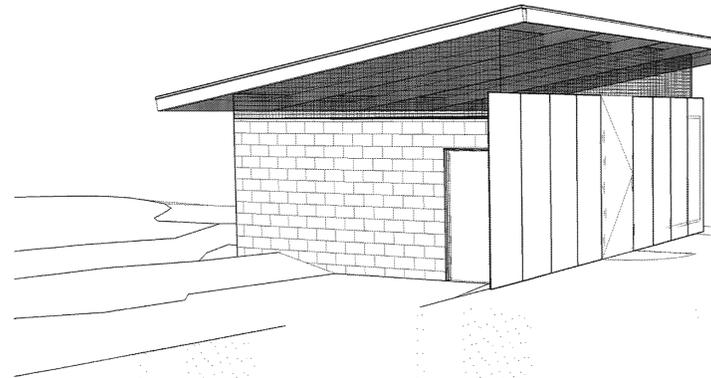
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4375618 Pages: 23 of 45
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 Cary, Koppes, Clerk and Recorder, Weld County, CO

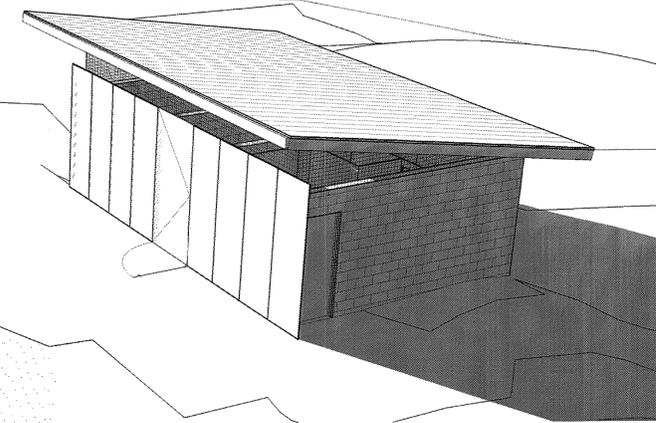
Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 Site Structure: Restroom
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 23 of 45



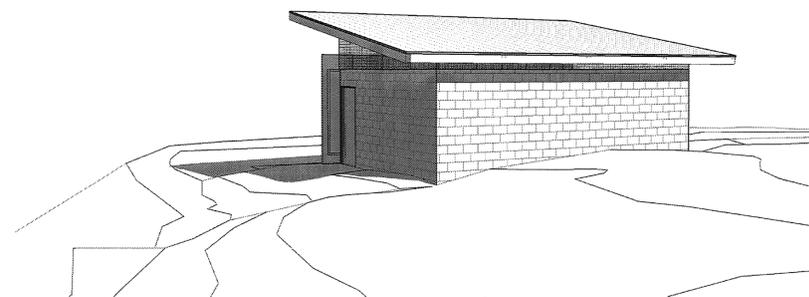
1 View of Pavilion from West Lawn and Seating Area
 This drawing is conceptual - not for construction



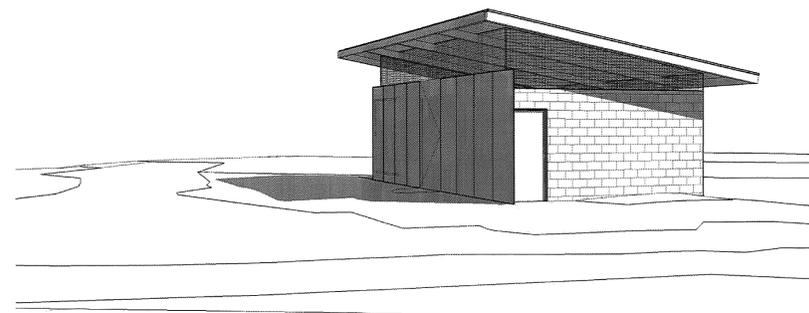
4 Pavilion Entry from Emergency Turn-around
 This drawing is conceptual - not for construction



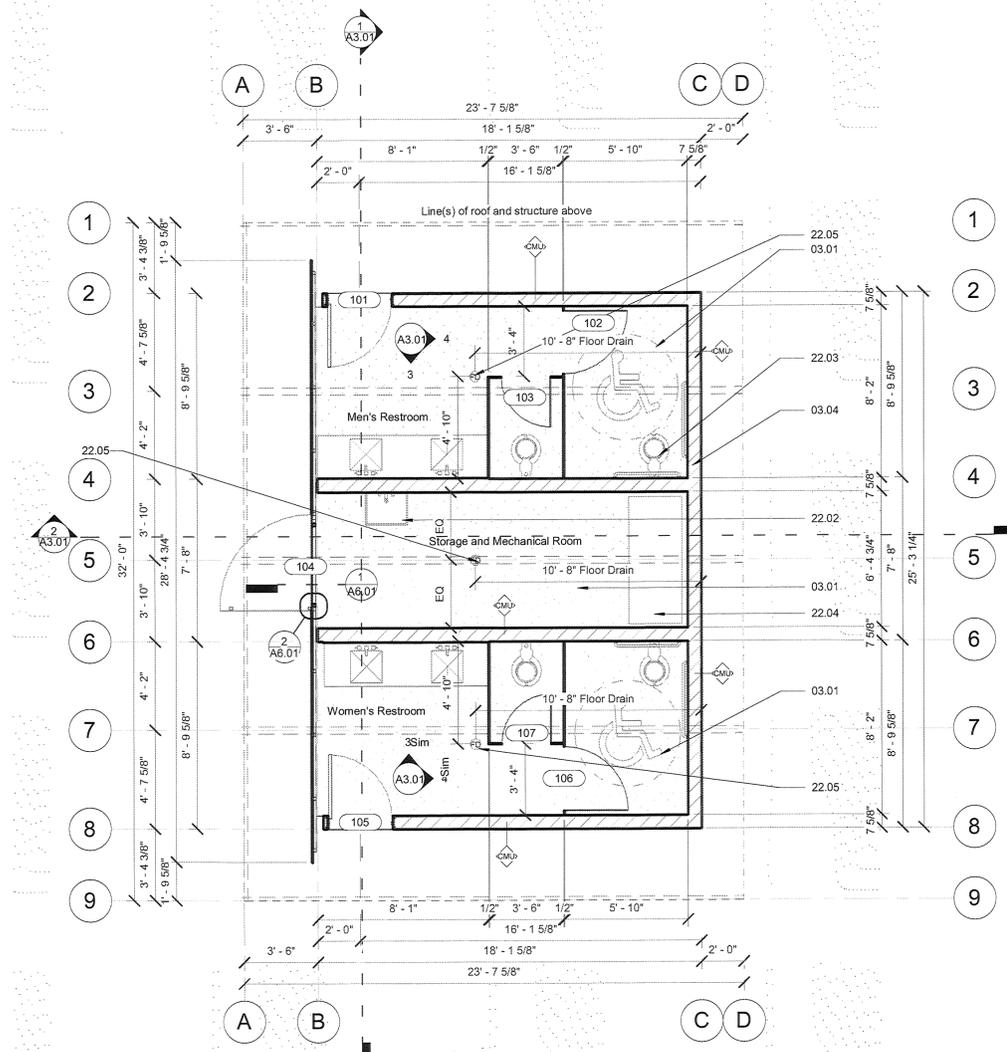
5 Aerial View from Southwest
 This drawing is conceptual - not for construction



2 View of Pavilion from Playground
 This drawing is conceptual - not for construction



3 View of Pavilion from South
 This drawing is conceptual - not for construction



6 Pavilion Floor Plan
 1/4" = 1'-0"

Keynote Legend	
Key Value	Keynote Text
03.01	Poured concrete slab. Polished and clear sealer to comply with ibc section 1219.2.1 - slope pad to floor drain.
03.04	Cmu block wall. Refer to structural. 8 x 8 x 16 block size, smooth face running bond with heavy raked joints both sides of wall. Provide submittals for block color and mortar approval from architect.
05.04	Prefabricated canopy: steel tube section roof structure by others. Manufacturer to provide shop drawings and foundation design to architect and structural engineer for approval.
07.01	Prefabricated canopy by others: metal standing seam roofing - profile and color tbd. Soffit to be stained 1x4 cedar tongue and groove.
22.02	Service sink.
22.03	Whitehall Ligature Resistant Cistern Tank Toilet (WH2145) - or equal vandal resistant toilet. Typical 1 of 4.
22.04	Cistern tank for toilets.
22.05	Floor drain.

FINAL DEVELOPMENT PLAN
BAREFOOT LAKES
REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311	
FIRESTONE INFORMATION BLOCK	
BAREFOOT LAKES	
SITE STRUCTURE: RESTROOM	
Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
First Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Sheet	23 of 45

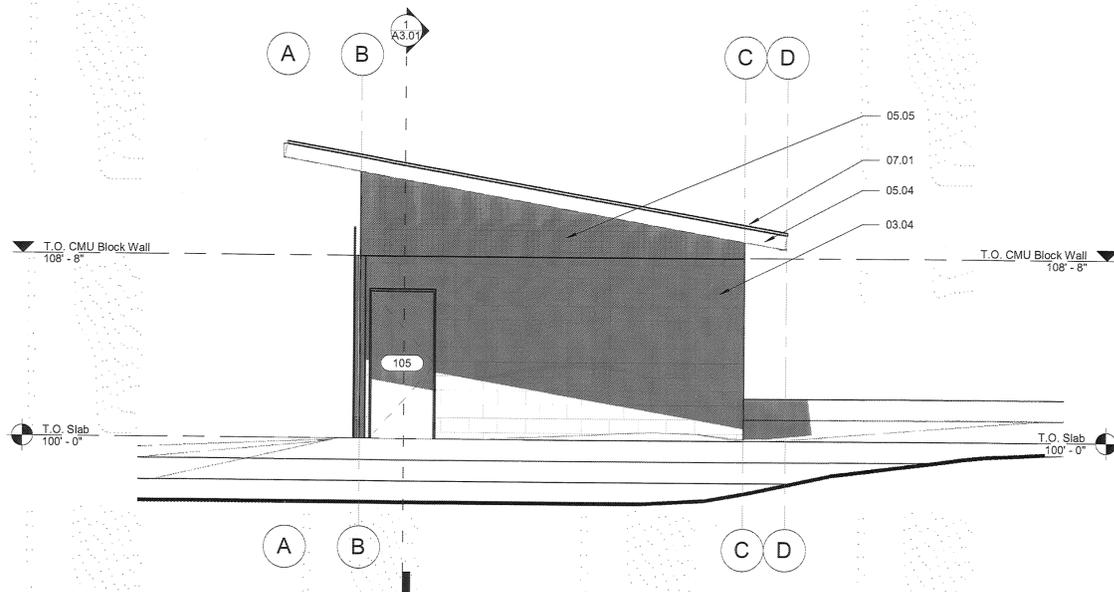
02/15/2018 12:25 PM 8 Feet: 9453 00
 Cary, Koppes, Clerk and Recorder, Weld County, CO

Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 Site Structure: Restroom
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 24 of 45

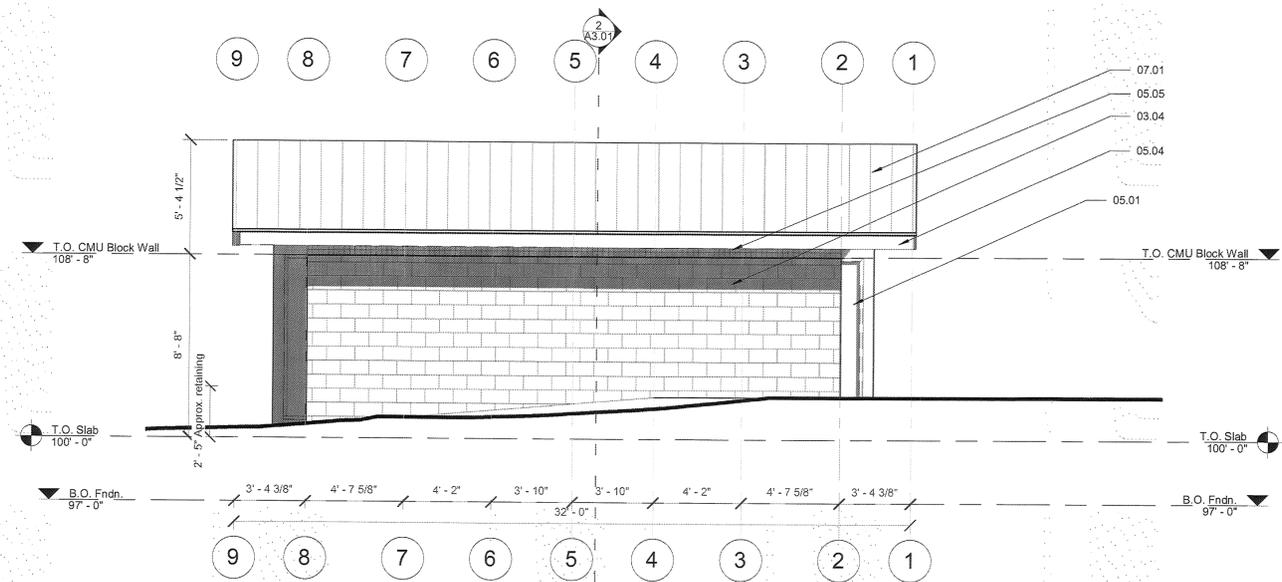
Key Value	Keynote Text
03.04	Cmu block wall. Refer to structural. 8 x 8 x 16 block size, smooth face running bond with heavy raked joints both sides of wall. Provide submittals for block color and mortar approval from architect.
05.01	11ga steel plate wall panels - see elevation for sizes and structural drawings for frame layout.
05.04	Prefabricated canopy: steel tube section roof structure by others. Manufacturer to provide shop drawings and foundation design to architect and structural engineer for approval.
05.05	Wire mesh infill panels above cmu wall to bottom of soffit finish - typical all four walls. Monichols quality rectangular wire mesh, rectangular welded, plain steel cold rolled, 2" x 1" mesh, 0.1200" wire diameter, welded trimmed, long way of opening parallel to: width, 84% open area, sheet, 48.0000" width x 96.0000" length. No finish. Mount (weld) on 1x1 steel tube (48" o.c.) frame field cut to size between prefabricated roof and top of cmu wall.
05.06	Hss 2x2x1/4 tube frame for west plate wall - see structural. Submit steel shop drawings for approval by architect and structural engineer.
07.01	Prefabricated canopy by others: metal standing seam roofing - profile and color tbd. Soffit to be stained 1x4 cedar tongue and groove.

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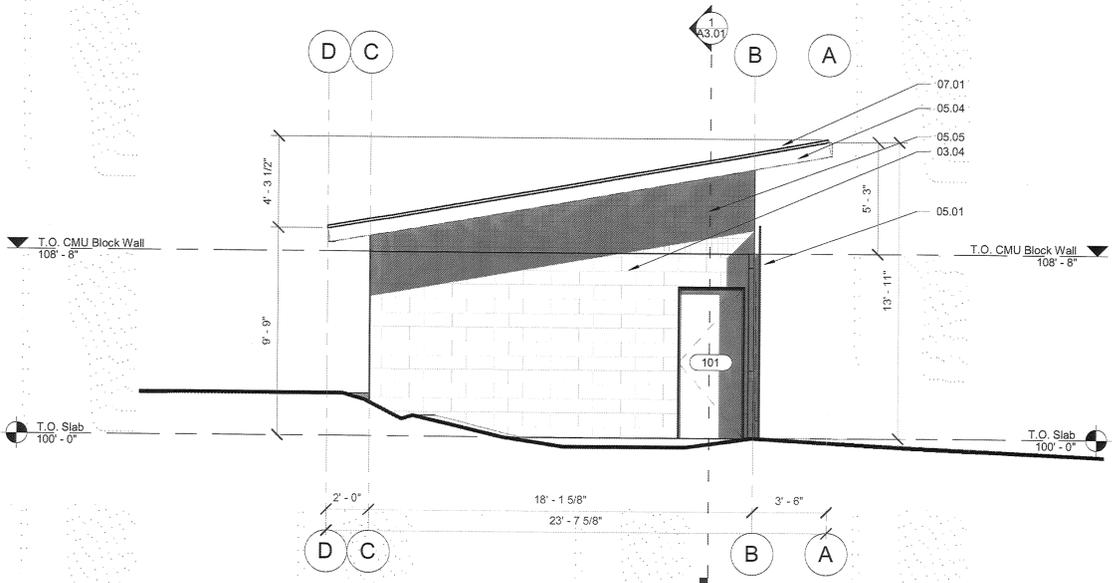
**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1**
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO



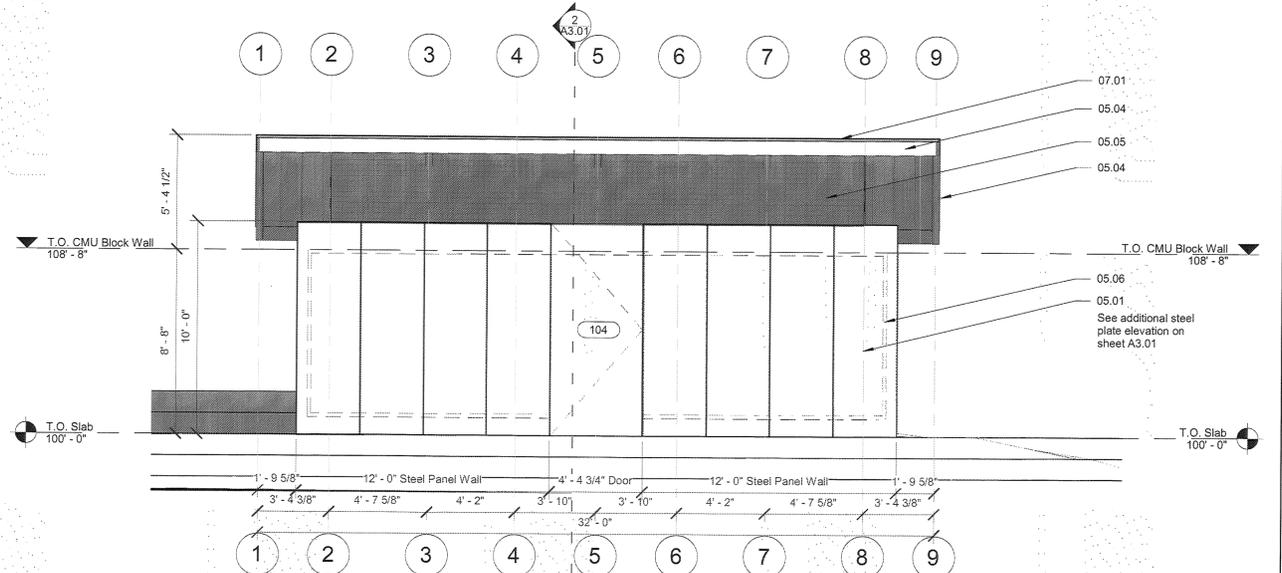
4 South Elevation
 1/4" = 1'-0"



3 East Elevation
 1/4" = 1'-0"



2 North Elevation
 1/4" = 1'-0"



1 West Elevation
 1/4" = 1'-0"

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK	
BAREFOOT LAKES	
SITE STRUCTURE: RESTROOM	
Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
First Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Sheet	24 of 45

Final Development Plan
Barefoot Lakes
Regional Park Filing No. 1
SITE FURNISHINGS
Town of Firestone
Weld County
State of Colorado
Sheet 25 of 45

SITE KEYNOTES:

Keynote	Description	Quantity
1.0	PAVEMENTS, RAMPS, AND CURBS	
1.1	Concrete Pavement	
1.2	Crushed Stone Paving	
1.3	Play Surface - Poured in Place Rubber	
1.4	Play Surface - Engineered Wood Fiber	
1.5	Stabilized Soil Pavement	
1.6	Concrete Curb at Poured in Place Rubber	
1.7	Concrete Curb at Engineered Wood Fiber	
1.8	Ramp at Engineered Wood Fiber	
1.9	Metal Edging	
2.0	JOINTING	
2.1	Expansion Joint	
2.2	Saw-Cut Control Joint	
2.3	Cold Joint	
3.0	STEPS	
3.1	Stone Slab Steps	
3.2, 3.2B	Steps at Gateway Pavilion	
3.3	Large Stone Slab Steps	
3.4	Timber Fitness Steps	
4.0	SITE WALLS / EMBANKMENTS	
4.1	Stacked Boulder Wall	
4.2	Perched Sand Area	
4.3	Pebble Embankment	
4.4	Concrete Seat Wall	
5.0	SITE FURNITURE	
5.1	Bench Type 1 (Backed)	1 / 25
5.2	Bench Type 2 (Backless)	2 / 25
5.3	Trash Receptacle	3 / 25
5.4	Drinking Fountain	4 / 25
5.5	Picnic Table	5 / 25
5.6	Bike Rack	6 / 25
5.7	Side Table	7 / 25
6.0	RAILINGS, BARRIERS AND FENCING	
6.1	Handrail (at Stone Slab Steps)	
6.2	Handrail (at Concrete Steps)	
6.3	Vehicular Gate (Double Arm)	8 / 25
7.0	SITE LIGHTING	
REF: Lighting Series		
8.0	DRAINAGE	
8.1	French Drain at Amphitheater	
8.2	Subsurface Drain at Poured in Place Rubber	
8.3	Subsurface Drain at Engineered Wood Fiber	
8.4	Landscape Area Drain	
8.5	Trench Drain	
8.6	Drain Cleanout	
8.7	Drain Pipe	
9.0	PLANTING AND LANDSCAPE	
REF: Planting Series		
10.0	MISCELLANEOUS ELEMENTS	
10.1	Landscape Boulder	
10.2	Boulder in Poured-in-Place Rubber	
10.3	Boulder in Engineered Wood Fiber	
10.4	Wood Mulch	
11.0	FITNESS AND PLAY EQUIPMENT	
11.1	Six Foot Hill Slide	1 / 26
11.2	Three Foot Hill Slide	2 / 26
11.3	(Not Used)	
11.4	Two Seat Rocker	4 / 26
11.5	Comet I	5 / 26
11.6	Swings	6 / 26
11.7	Balance Challenge	7 / 26
11.8	Large Play Structure	8 / 26
11.9	Wobbly Web, Freestanding	9 / 26
11.10	Pull Up Bars	1 / 27
11.11	Push Up Bars	2 / 27
11.12	Sit-Up Bench	3 / 27
11.13	Parallel Bars	4 / 27
11.14	Box Jump - Low	5 / 27
11.15	Box Jump - Medium	6 / 27
11.16	Box Jump - High	7 / 27
12.0	SIGNAGE AND WAYFINDING	
REF: Signage Series		
X	SITE STRUCTURES	
A	Picnic Shelter	1 / 21
B	Overlook Shelter	2 / 21
C	Gateway Pavilion	3 / 21
D	Restroom	22, 23
E	Pier	28
F	Floating Dock and Gangway	29

FINAL DEVELOPMENT PLAN
BAREFOOT LAKES
REGIONAL PARK FILING NO. 1
TOWN OF FIRESTONE
WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE
INFORMATION BLOCK

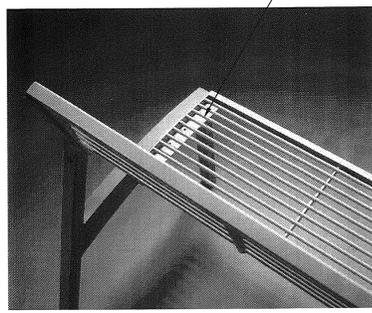
BAREFOOT LAKES

SITE
FURNISHINGS

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017
Sheet	25 of 45



REFERENCE IMAGE FOR BENCH SHAPE WITH BACK



REFERENCE IMAGE FOR BENCH SEAT MATERIAL AND FINISH

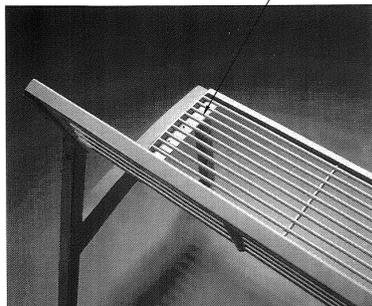
VERA BENCH (LV251N) BY MMCITE, 1800MM LENGTH X 703MM WIDTH, WITHOUT ARMRESTS, POWDERCOATED STEEL FINISH (SILVER).

1 BENCH TYPE 1 (BACKED)

SCALE: 1" = 1'-0"



REFERENCE IMAGE FOR BENCH SHAPE WITHOUT BACK



REFERENCE IMAGE FOR BENCH SEAT MATERIAL AND FINISH

VERA BENCH (LV211N) BY MMCITE, 1800MM LENGTH X 400MM WIDTH, WITHOUT ARMRESTS, POWDERCOATED STEEL FINISH (SILVER).

2 BENCH TYPE 2 (BACKLESS)

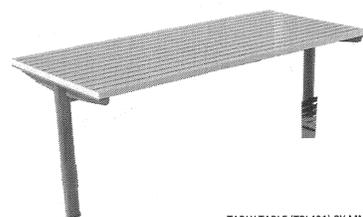
SCALE: 1" = 1'-0"



METAL PICNIC TABLE (SPP-308) BY SUN PERK SITE FURNISHINGS, GALVANIZED STEEL WITH SILVER POWDERCOAT

3 PICNIC TABLE

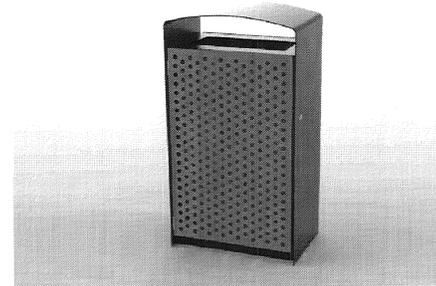
SCALE: 1" = 1'-0"



TABLY TABLE (TBL421) BY MMCITE EMBED MOUNTING 2'4" X 5'9" X 2'4" TALL POWDERCOATED STEEL FINISH (SILVER)

7 SIDE TABLE

SCALE: 1" = 1'-0"



PRAX LITTER BIN (PRX-B345N) BY MMCITE, 581MM LENGTH X 370MM WIDTH, POWDERCOATED STEEL FINISH (SILVER), WITH PERFORATED SIDES

4 TRASH RECEPTACLE

SCALE: 1" = 1'-0"



REFERENCE IMAGE FOR BI-LEVEL DRINKING FOUNTAIN

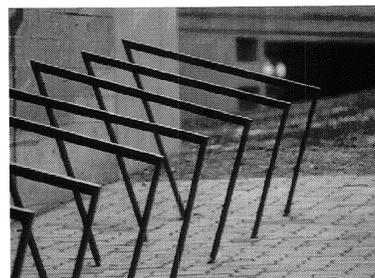


REFERENCE IMAGE FOR PET BOWL

BARRIER-FREE BI-LEVEL ROUND STAINLESS STEEL PEDESTAL DRINKING FOUNTAIN (GRM44) BY MURDOCK, POWDERCOATED STEEL FINISH (SILVER), INCLUDE PET FOUNTAIN OPTION

5 DRINKING FOUNTAIN

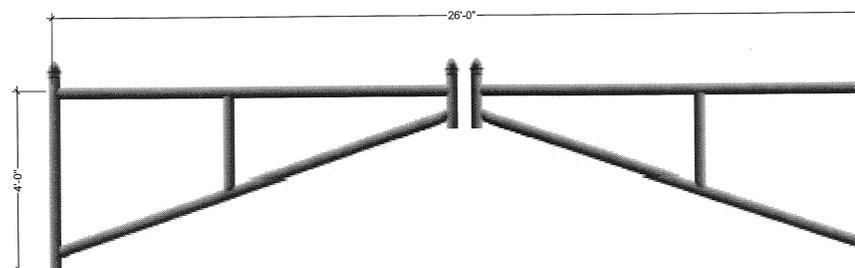
SCALE: 1" = 1'-0"



EDGEPTYRE (STE-N110) BY MMCITE, POWDERCOATED STEEL FINISH (SILVER)

6 BIKE RACK

SCALE: 1" = 1'-0"



MANUFACTURER: HOOVERFENCE MODEL: BARRIER GATE, S SERIES (D26)

- FINISHES:
- (1) 4" HIGH X 26" WIDE COLOR COATED DOUBLE TUBULAR BARRIER GATE
 - (4) 2" COLOR COATED POST CAPS FOR GATE
 - (2) 4" O.D. X 8" COLOR COATED HF40 GATE HINGE POSTS
 - (2) 4" COLOR COATED POST CAPS FOR GATE HINGE POST
 - (4) 4" X 2" COLOR COATED BUTT HINGES
 - (1) COLOR COATED FULCUM INDUSTRIAL DOUBLE GATE LATCH

ASSEMBLE AND INSTALL IN CONCRETE FOOTING PER MANUFACTURER'S DETAILED INSTRUCTIONS.

PROVIDE CHAIN, LOCK AND KEYS TO SECURE EACH GATE.

8 VEHICULAR GATE (DOUBLE ARM)

NTS

5.3

5.3

5.4

5.6

5.3

437518 18 Pages: 25 of 45
 PROJECT: A_10311 Barefoot Lakes Site Design/CADD/ Sheets/Permits/Plan FFD5311-FP-sheet-025.dwg
 DATE: 05/20/17 9:11am
 P:\PROJECTS_A_10311 Barefoot Lakes Site Design/CADD/ Sheets/Permits/Plan FFD5311-FP-sheet-025.dwg

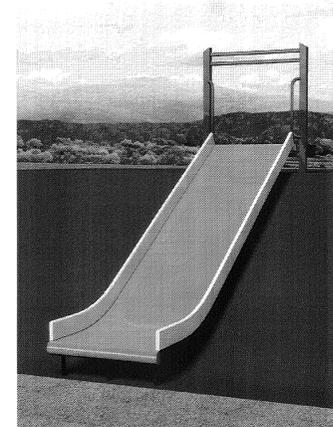
Final Development Plan
Barefoot Lakes
Regional Park Filing No. 1
PLAY EQUIPMENT
Town of Firestone
Weld County
State of Colorado
Sheet 26 of 45

NOTE:
1. ALL FITNESS AND PLAY EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S DETAILED INSTRUCTIONS. PROVIDE SHOP DRAWINGS FOR FOOTINGS.
2. CONFIRM FALL ZONE CLEARANCES PRIOR TO INSTALLATION OF EQUIPMENT.
3. ALL PLAYGROUND EQUIPMENT, EXERCISE EQUIPMENT, SURFACING & STRUCTURES TO MEET THE CURRENT ASTM STANDARDS, NATIONAL RECREATION & PARK ASSOCIATION STANDARDS, ADA CODE & TOWN OF FIRESTONE BUILDING CODES.
4. DURING THE WARRANTY AND DEFECT PERIOD, INSTALLER IS RESPONSIBLE FOR REVIEWING ALL FITNESS AND PLAY EQUIPMENT WITH CHECKLIST BY CERTIFIED INSPECTOR. INSPECTIONS ARE TO OCCUR ONCE EACH MONTH. FURNISH CHECKLIST TO THE TOWN FOR RECORDS.

SITE KEYNOTES:

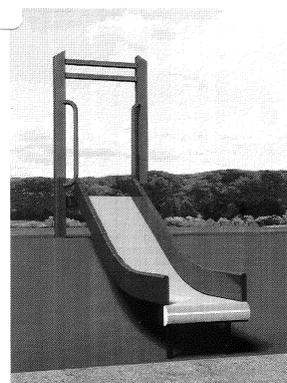
KEYNOTE	DETAIL / SHEET
1.0 PAVEMENTS, RAMPS, AND CURBS	
1.1 Concrete Pavement	
1.2 Crushed Stone Paving	
1.3 Play Surface - Poured in Place Rubber	
1.4 Play Surface - Engineered Wood Fiber	
1.5 Stabilized Soil Pavement	
1.6 Concrete Curb at Poured in Place Rubber	
1.7 Concrete Curb at Engineered Wood Fiber	
1.8 Ramp at Engineered Wood Fiber	
1.9 Metal Edging	
2.0 JOINTING	
2.1 Expansion Joint	
2.2 Saw-Cut Control Joint	
2.3 Cold Joint	
3.0 STEPS	
3.1 Stone Slab Steps	
3.2, 3.2B Steps at Gateway Pavilion	
3.3 Large Stone Slab Steps	
3.4 Timber Fitness Stairs	
4.0 SITE WALLS / EMBANKMENTS	
4.1 Stacked Boulder Wall	
4.2 Perched Sand Area	
4.3 Pabble Embankment	
4.4 Concrete Seat Wall	
5.0 SITE FURNITURE	
5.1 Bench Type 1 (Backed)	1 / 25
5.2 Bench Type 2 (Backless)	2 / 25
5.3 Trash Receptacle	3 / 25
5.4 Drinking Fountain	4 / 25
5.5 Picnic Table	5 / 25
5.6 Bike Rack	6 / 25
5.7 Side Table	7 / 25
6.0 RAILINGS, BARRIERS AND FENCING	
6.1 Handrail (at Stone Slab Steps)	
6.2 Handrail (at Concrete Steps)	
6.3 Vehicular Gate (Double Arm)	8 / 25
7.0 SITE LIGHTING	
REF : Lighting Series	
8.0 DRAINAGE	
8.1 French Drain at Amphitheater	
8.2 Subsurface Drain at Poured in Place Rubber	
8.3 Subsurface Drain at Engineered Wood Fiber	
8.4 Landscape Area Drain	
8.5 Trench Drain	
8.6 Drain Cleanout	
8.7 Drain Pipe	
9.0 PLANTING AND LANDSCAPE	
REF: Planting Series	
10.0 MISCELLANEOUS ELEMENTS	
10.1 Landscape Boulder	
10.2 Boulder in Poured-in-Place Rubber	
10.3 Boulder in Engineered Wood Fiber	
10.4 Wood Mulch	
11.0 FITNESS AND PLAY EQUIPMENT	
11.1 Six Foot Hill Slide	1 / 26
11.2 Three Foot Hill Slide	2 / 26
11.3 (Not Used)	
11.4 Two Seat Rocker	4 / 26
11.5 Comet I	5 / 26
11.6 Swings	6 / 26
11.7 Balance Challenge	7 / 26
11.8 Large Play Structure	8 / 26
11.9 Wobbly Web, Freestanding	9 / 26
11.10 Pull Up Bars	1 / 27
11.11 Push Up Bars	2 / 27
11.12 Sit-Up Bench	3 / 27
11.13 Parallel Bars	4 / 27
11.14 Box Jump - Low	5 / 27
11.15 Box Jump - Medium	6 / 27
11.16 Box Jump - High	7 / 27
12.0 SIGNAGE AND WAYFINDING	
REF : Signage Series	
X SITE STRUCTURES	
A Picnic Shelter	1 / 21
B Overlook Shelter	2 / 21
C Gateway Pavilion	3 / 21
D Restroom	22, 23
E Pier	28
F Floating Dock and Gangway	29

FINAL DEVELOPMENT PLAN
BAREFOOT LAKES
REGIONAL PARK FILING NO. 1
TOWN OF FIRESTONE
WELD COUNTY, STATE OF COLORADO



4375618 Pages: 26 of 45
02/10/2016 12:25 PM \$ Fee: \$453.00
Carly Kosmas, Clerk and Recorder, Weld County, CO

MANUFACTURER:
COLUMBIA CASCADE CO.
MODEL :
EMBANKMENT SLIDE WIDE CHUTE,
6 FOOT DROP (1643-71-EMB)
MATERIALS:
STAINLESS STEEL BEDWAY, 6"
RAILS POWDERCOATED LIME
GREEN, ACCESS PLATFORM
POWDERCOATED DARK BROWN



MANUFACTURER:
COLUMBIA CASCADE CO.
MODEL :
EMBANKMENT SLIDE CHUTE, 3
FOOT DROP (1640-41-EMB)
MATERIALS:
STAINLESS STEEL BEDWAY, 6"
RAILS POWDERCOATED LIME
GREEN, ACCESS PLATFORM
POWDERCOATED DARK BROWN

1 SIX FOOT HILL SLIDE
SCALE: NTS

2 THREE FOOT HILL SLIDE
SCALE: NTS

3 (NO LONGER USED)



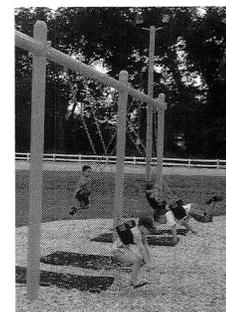
MANUFACTURER: BURKE
MODEL: TWO SEAT ROCKER (670-0055)
"ENCHANTED" COLOR SCHEME TO MATCH LARGE PLAY STRUCTURE

4 TWO SEAT ROCKER
SCALE: NTS



MANUFACTURER: BURKE
MODEL: COMET I SPINNER (560-2586)
"ENCHANTED" COLOR SCHEME TO MATCH LARGE PLAY STRUCTURE

5 COMET I
SCALE: NTS



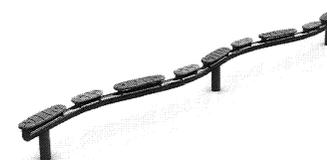
MANUFACTURER: BURKE
MODEL: SINGLE POST, 7' TALL SINGLE BAY SWING, TWO SWINGS (550-0093)
POSTS POWDERCOATED DARK BROWN TO MATCH LARGE PLAY STRUCTURE

6 SWINGS
SCALE: NTS



MANUFACTURER: BURKE
MODEL: NUCLEUS (NUIN-2542)
"ENCHANTED" COLOR SCHEME AS SHOWN IN RENDERING

8 LARGE PLAY STRUCTURE
SCALE: NTS



MANUFACTURER: BURKE
MODEL: BALANCE CHALLENGE (370-1604)
"ENCHANTED" COLOR SCHEME TO MATCH LARGE PLAY STRUCTURE

7 BALANCE CHALLENGE
SCALE: NTS



MANUFACTURER: BURKE
MODEL: WOBBLY WEB, FREESTANDING (560-0573)
MODIFIED TO PARALLEL SLOPED GROUND
"ENCHANTED" COLOR SCHEME TO MATCH LARGE PLAY STRUCTURE

9 WOBBLY WEB, FREESTANDING
SCALE: NTS

DW PROJECT NUMBER: 5311

FIRESTONE
INFORMATION BLOCK

BAREFOOT LAKES

PLAY
EQUIPMENT

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017

Sheet 26 of 45

Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 FITNESS EQUIPMENT
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 27 of 45

NOTE:
 1. ALL FITNESS AND PLAY EQUIPMENT TO BE INSTALLED PER MANUFACTURER'S DETAILED INSTRUCTIONS. PROVIDE SHOP DRAWINGS FOR FOOTINGS. CONFIRM FALL ZONE CLEARANCES PRIOR TO INSTALLATION OF EQUIPMENT.
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SITE KEYNOTES:

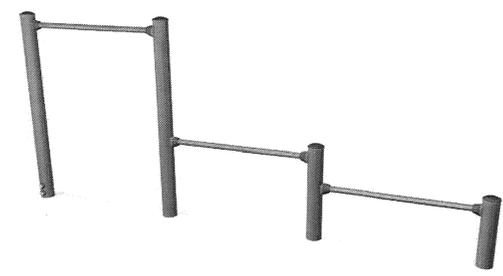
KEYNOTE	DESCRIPTION	DETAIL / SHEET
1.0 PAVEMENTS, RAMPS, AND CURBS		
1.1	Concrete Pavement	
1.2	Crushed Stone Paving	
1.3	Play Surface - Poured in Place Rubber	
1.4	Play Surface - Engineered Wood Fiber	
1.5	Stabilized Soil Pavement	
1.6	Concrete Curb at Poured in Place Rubber	
1.7	Concrete Curb at Engineered Wood Fiber	
1.8	Ramp at Engineered Wood Fiber	
1.9	Metal Edging	
2.0 JOINTING		
2.1	Expansion Joint	
2.2	Saw-Cut Control Joint	
2.3	Gold Joint	
3.0 STEPS		
3.1	Stone Slab Steps	
3.2, 3.2B	Steps at Gateway Pavilion	
3.3	Large Stone Slab Steps	
3.4	Timber Fitness Stairs	
4.0 SITE WALLS / EMBANKMENTS		
4.1	Stacked Boulder Wall	
4.2	Perched Sand Area	
4.3	Pebble Embankment	
4.4	Concrete Seat Wall	
5.0 SITE FURNITURE		
5.1	Bench Type 1 (Backed)	1 / 25
5.2	Bench Type 2 (Backless)	2 / 25
5.3	Trash Receptacle	3 / 25
5.4	Drinking Fountain	4 / 25
5.5	Picnic Table	5 / 25
5.6	Bike Rack	6 / 25
5.7	Side Table	7 / 25
6.0 RAILINGS, BARRIERS AND FENCING		
6.1	Handrail (at Stone Slab Steps)	
6.2	Handrail (at Concrete Steps)	
6.3	Vehicular Gate (Double Arm)	8 / 25
7.0 SITE LIGHTING		
REF	Lighting Series	
8.0 DRAINAGE		
8.1	French Drain at Amphitheater	
8.2	Subsurface Drain at Poured in Place Rubber	
8.3	Subsurface Drain at Engineered Wood Fiber	
8.4	Landscape Area Drain	
8.5	Trench Drain	
8.6	Drain Cleanout	
8.7	Drain Pipe	
9.0 PLANTING AND LANDSCAPE		
REF	Planting Series	
10.0 MISCELLANEOUS ELEMENTS		
10.1	Landscape Boulder	
10.2	Boulder in Poured-in-Place Rubber	
10.3	Boulder in Engineered Wood Fiber	
10.4	Wood Mulch	
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11.6	Swings	6 / 26
11.7	Balance Challenge	7 / 26
11.8	Large Play Structure	8 / 26
11.9	Wobbly Webs, Freestanding	9 / 26
11.10	Pull Up Bars	1 / 27
11.11	Push Up Bars	2 / 27
11.12	Sit-Up Bench	3 / 27
11.13	Parallel Bars	4 / 27
11.14	Box Jump - Low	5 / 27
11.15	Box Jump - Medium	6 / 27
11.16	Box Jump - High	7 / 27
12.0 SIGNAGE AND WAYFINDING		
REF	Signage Series	
X SITE STRUCTURES		
A	Picnic Shelter	1 / 21
B	Overlook Shelter	2 / 21
C	Gateway Pavilion	3 / 21
D	Restroom	22, 23
E	Plaf	28
F	Floating Dock and Gangway	29

**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1**
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO



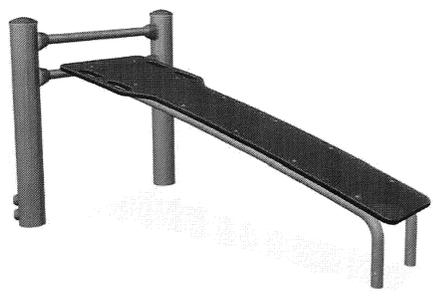
MANUFACTURE : KOMPAN
 MODEL : PULL UP BARS ELE5900109

1 PULL UP BARS
 SCALE: NTS



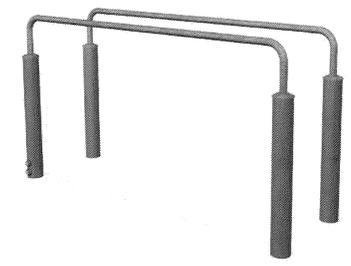
MANUFACTURE : KOMPAN
 MODEL : PUSH UP BARS FSW20900

2 PUSH UP BARS
 SCALE: NTS



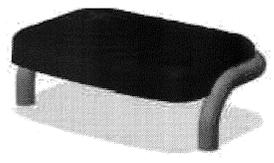
MANUFACTURE : KOMPAN
 MODEL : SIT-UP BENCH FSW20400

3 SIT-UP BENCH
 SCALE: NTS



MANUFACTURE : KOMPAN
 MODEL : PARALLEL BARS - FSW20100

4 PARALLEL BARS
 SCALE: NTS



MANUFACTURE : KOMPAN
 MODEL : BOX JUMP - LOW - FAZ30100

5 BOX JUMP - LOW
 SCALE: NTS



MANUFACTURE : KOMPAN
 MODEL : BOX JUMP - MEDIUM - FAZ30200

6 BOX JUMP-MEDIUM
 SCALE: NTS



MANUFACTURE : KOMPAN
 MODEL : BOX JUMP - HIGH - FAZ30300

7 BOX JUMP - HIGH
 SCALE: NTS

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

FITNESS EQUIPMENT

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017
Sheet	27 of 45

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**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1**
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

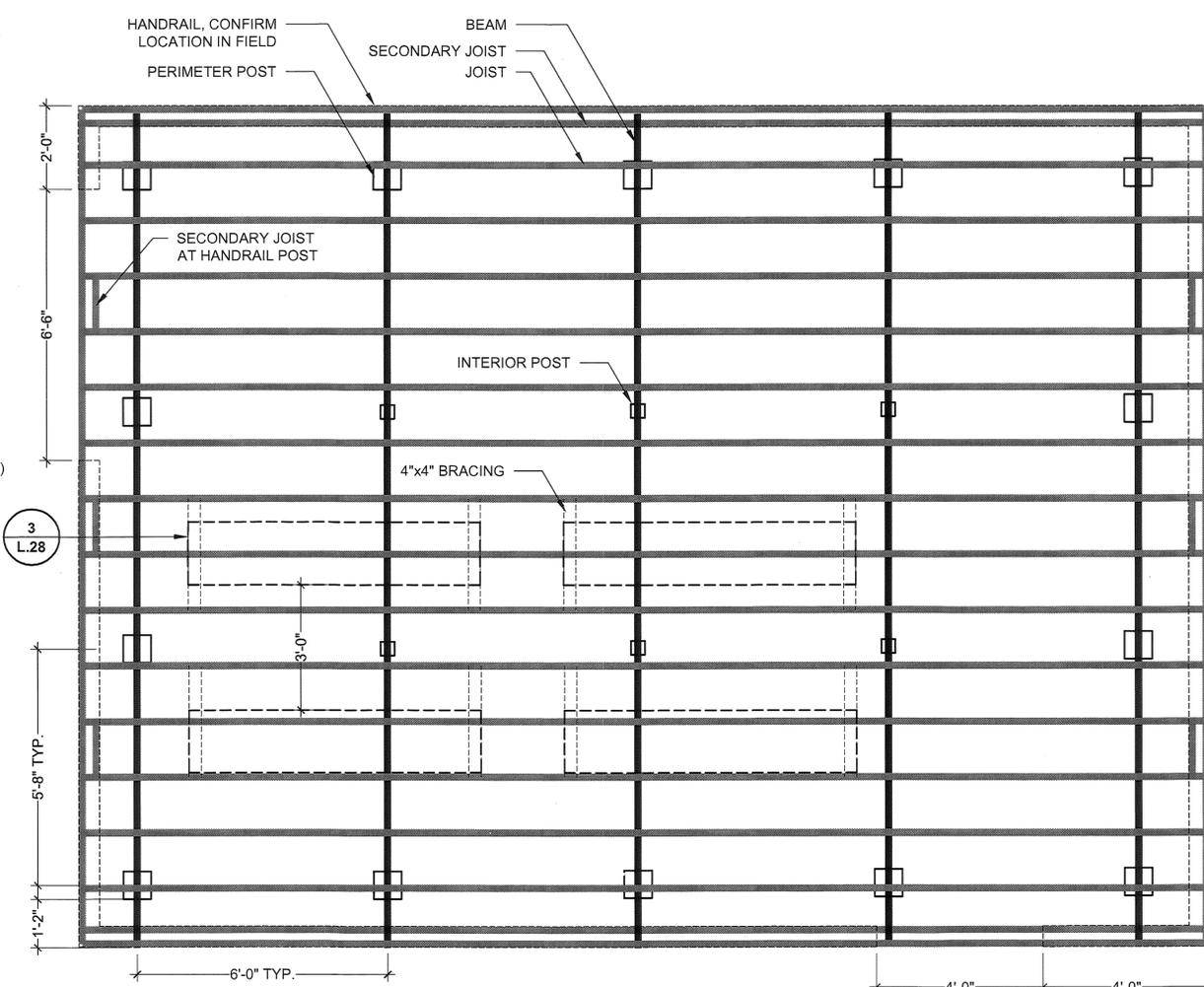
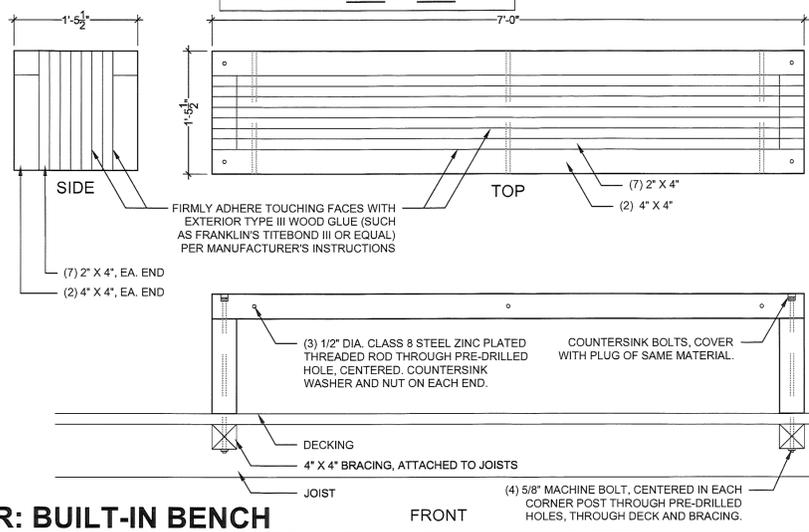
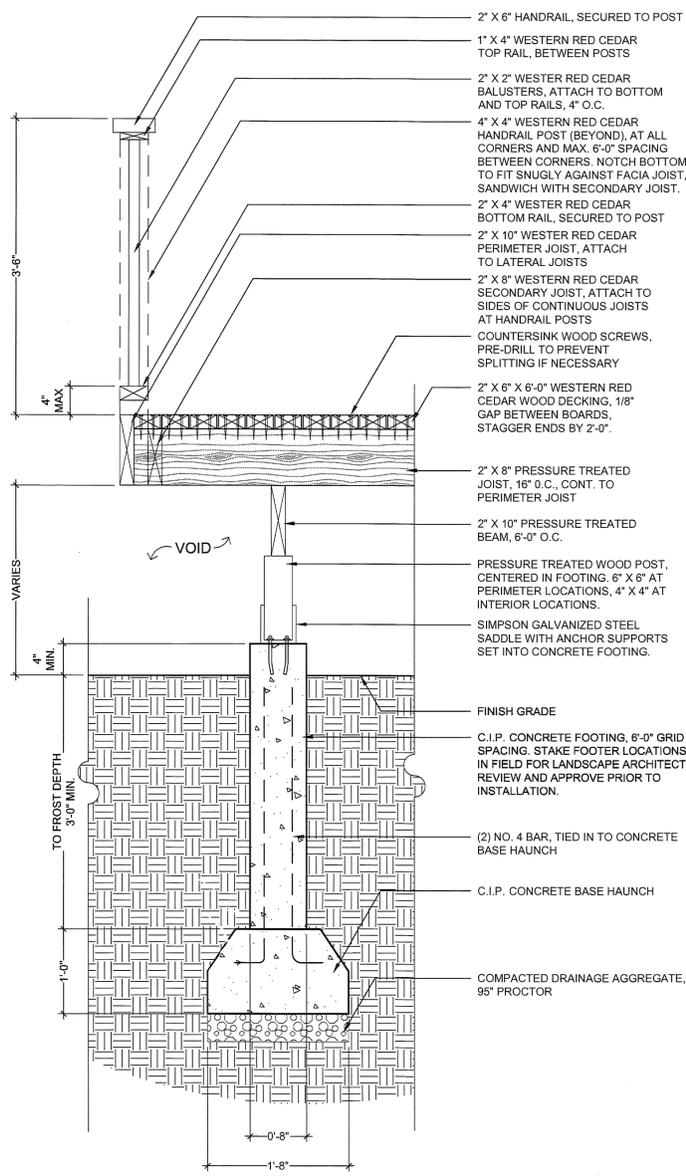
Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 SITE STRUCTURE: PIER
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 28 of 45

4375618 Pages: 28 of 45
 02/19/2018 12:25 PM R File: 3453.00
 Carly Koppen, Clerk and Recorder, Weld County, CO

- NOTE:**
1. APPLY STAIN AND PRESERVATIVE TREATMENT TO ALL WOOD MEMBERS.
 2. HANDRAIL TO WRAP ENTIRE PERIMETER OF PIER, EXCEPT AT PATH ENTRANCE AND AT GANGWAY CONNECTION.

SITE KEYNOTES:

- | | |
|--|--------|
| 1.0 PAVEMENTS, RAMPS, AND CURBS | |
| 1.1 Concrete Pavement | |
| 1.2 Crushed Stone Paving | |
| 1.3 Play Surface - Poured in Place Rubber | |
| 1.4 Play Surface - Engineered Wood Fiber | |
| 1.5 Stabilized Soil Pavement | |
| 1.6 Concrete Curb at Poured in Place Rubber | |
| 1.7 Concrete Curb at Engineered Wood Fiber | |
| 1.8 Ramp at Engineered Wood Fiber | |
| 1.9 Metal Edging | |
| 2.0 JOINTING | |
| 2.1 Expansion Joint | |
| 2.2 Saw-Cut Control Joint | |
| 2.3 Cold Joint | |
| 3.0 STEPS | |
| 3.1 Stone Slab Steps | |
| 3.2, 3.2B Steps at Gateway Pavilion | |
| 3.3 Large Stone Slab Steps | |
| 3.4 Timber Fitness Stairs | |
| 4.0 SITE WALLS / EMBANKMENTS | |
| 4.1 Stacked Boulder Wall | |
| 4.2 Perched Sand Area | |
| 4.3 Pebble Embankment | |
| 4.4 Concrete Seat Wall | |
| 5.0 SITE FURNITURE | |
| 5.1 Bench Type 1 (Backed) | 1 / 25 |
| 5.2 Bench Type 2 (Backless) | 2 / 25 |
| 5.3 Trash Receptacle | 3 / 25 |
| 5.4 Drinking Fountain | 4 / 25 |
| 5.5 Picnic Table | 5 / 25 |
| 5.6 Bike Rack | 6 / 25 |
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| 6.1 Handrail (at Stone Slab Steps) | |
| 6.2 Handrail (at Concrete Steps) | |
| 6.3 Vehicular Gate (Double Arm) | 8 / 25 |
| 7.0 SITE LIGHTING | |
| REF: Lighting Series | |
| 8.0 DRAINAGE | |
| 8.1 French Drain at Amphitheater | |
| 8.2 Subsurface Drain at Poured in Place Rubber | |
| 8.3 Subsurface Drain at Engineered Wood Fiber | |
| 8.4 Landscape Area Drain | |
| 8.5 Trench Drain | |
| 8.6 Drain Cleanout | |
| 8.7 Drain Pipe | |
| 9.0 PLANTING AND LANDSCAPE | |
| REF: Planting Series | |
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| 10.1 Landscape Boulder | |
| 10.2 Boulder in Poured-in-Place Rubber | |
| 10.3 Boulder in Engineered Wood Fiber | |
| 10.4 Wood Mulch | |
| 11.0 FITNESS AND PLAY EQUIPMENT | |
| 11.1 Six Foot Hill Slide | 1 / 26 |
| 11.2 Three Foot Hill Slide | 2 / 26 |
| 11.3 (Not Used) | |
| 11.4 Two Seat Rocker | 4 / 26 |
| 11.5 Comet I | 5 / 26 |
| 11.6 Swings | 6 / 26 |
| 11.7 Balance Challenge | 7 / 26 |
| 11.8 Large Play Structure | 8 / 26 |
| 11.9 Wobbly Web, Freestanding | 9 / 26 |
| 11.10 Pull Up Bars | 1 / 27 |
| 11.11 Push Up Bars | 2 / 27 |
| 11.12 Sit-Up Bench | 3 / 27 |
| 11.13 Parallel Bars | 4 / 27 |
| 11.14 Box Jump - Low | 5 / 27 |
| 11.15 Box Jump - Medium | 6 / 27 |
| 11.16 Box Jump - High | 7 / 27 |
| 12.0 SIGNAGE AND WAYFINDING | |
| REF: Signage Series | |
| X SITE STRUCTURES | |
| A Picnic Shelter | 1 / 21 |
| B Overlook Shelter | 2 / 21 |
| C Gateway Pavilion | 3 / 21 |
| D Restroom | 22, 23 |
| E Pier | 28 |
| F Floating Dock and Gangway | 29 |



CONDITIONS OF APPROVAL #6:
 "The pier and dock shall not be constructed until after there has been executed a license agreement among the Town, developer and St. Vrain Lakes Metropolitan District setting forth the developer's and district's responsibilities for construction, maintenance and operation of the pier and dock facilities and for provision of recreation services using the pier and dock."

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

SITE STRUCTURE: PIER

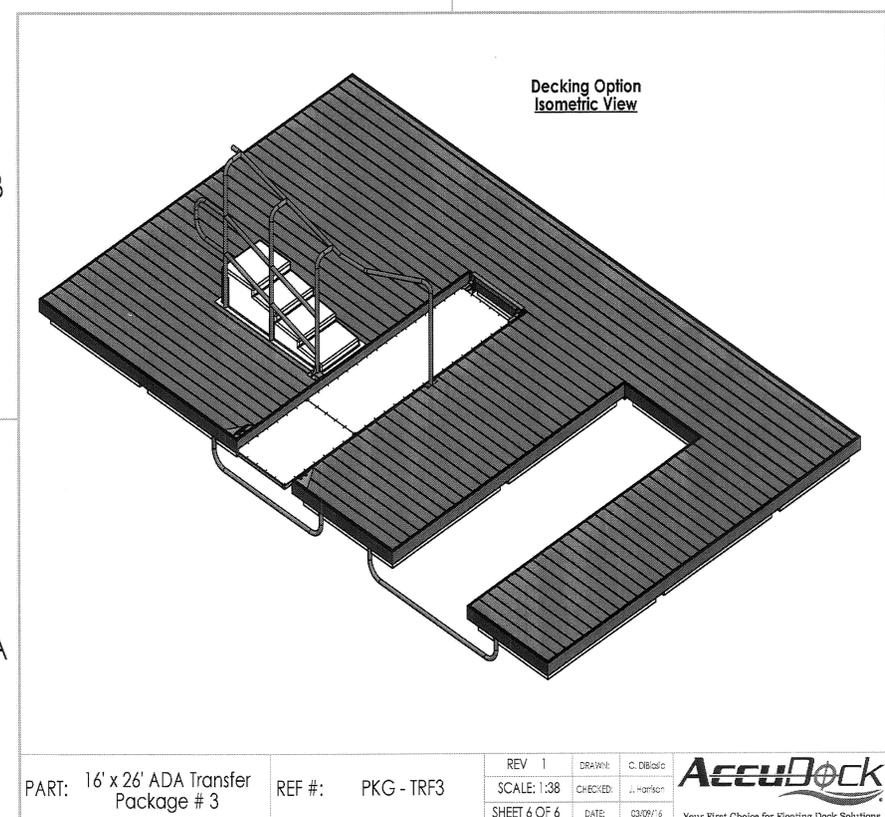
Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017

Final Development Plan
Barefoot Lakes
Regional Park Filing No. 1
SITE STRUCTURE: FLOATING DOCK
Town of Firestone
Weld County
State of Colorado
Sheet 29 of 45

SITE KEYNOTES:

KEYNOTE	DESCRIPTION	DETAIL / SHEET
1.0	PAVEMENTS, RAMPS, AND CURBS	
1.1	Concrete Pavement	
1.2	Crushed Stone Paving	
1.3	Play Surface - Poured in Place Rubber	
1.4	Play Surface - Engineered Wood Fiber	
1.5	Stabilized Soil Pavement	
1.6	Concrete Curb at Poured in Place Rubber	
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1.8	Ramp at Engineered Wood Fiber	
1.9	Metal Edging	
2.0	JOINTING	
2.1	Expansion Joint	
2.2	Saw-Cut Control Joint	
2.3	Cold Joint	
3.0	STEPS	
3.1	Stone Slab Steps	
3.2, 3.2B	Steps at Gateway Pavilion	
3.3	Large Stone Slab Steps	
3.4	Timber Fitness Stairs	
4.0	SITE WALLS / EMBANKMENTS	
4.1	Stacked Boulder Wall	
4.2	Perched Sand Area	
4.3	Pebble Embankment	
4.4	Concrete Seat Wall	
5.0	SITE FURNITURE	
5.1	Bench Type 1 (Backed)	1 / 25
5.2	Bench Type 2 (Backless)	2 / 25
5.3	Trash Receptacle	3 / 25
5.4	Drinking Fountain	4 / 25
5.5	Picnic Table	5 / 25
5.6	Bike Rack	6 / 25
5.7	Side Table	7 / 25
6.0	RAILINGS, BARRIERS AND FENCING	
6.1	Handrail (at Stone Slab Steps)	
6.2	Handrail (at Concrete Steps)	
6.3	Vehicular Gate (Double Arm)	8 / 25
7.0	SITE LIGHTING	
REF :	Lighting Series	
8.0	DRAINAGE	
8.1	French Drain at Amphitheater	
8.2	Subsurface Drain at Poured in Place Rubber	
8.3	Subsurface Drain at Engineered Wood Fiber	
8.4	Landscape Area Drain	
8.5	French Drain	
8.6	Drain Cleanout	
8.7	Drain Pipe	
9.0	PLANTING AND LANDSCAPE	
REF :	Planting Series	
10.0	MISCELLANEOUS ELEMENTS	
10.1	Landscape Boulder	
10.2	Boulder in Poured-in-Place Rubber	
10.3	Boulder in Engineered Wood Fiber	
10.4	Wood Mulch	
11.0	FITNESS AND PLAY EQUIPMENT	
11.1	Six Foot Hill Slide	1 / 26
11.2	Three Foot Hill Slide	2 / 26
11.3	(Not Used)	
11.4	Two Seat Rocker	4 / 26
11.5	Comet I	5 / 26
11.6	Swings	6 / 26
11.7	Balance Challenge	7 / 26
11.8	Large Play Structure	8 / 26
11.9	Wobbly Web, Freestanding	9 / 26
11.10	Pull Up Bars	11 / 27
11.11	Push Up Bars	2 / 27
11.12	Sit-Up Bench	3 / 27
11.13	Parallel Bars	4 / 27
11.14	Box Jump - Low	5 / 27
11.15	Box Jump - Medium	6 / 27
11.16	Box Jump - High	7 / 27
12.0	SIGNAGE AND WAYFINDING	
REF :	Signage Series	
X	SITE STRUCTURES	
A	Picnic Shelter	1 / 21
B	Overlook Shelter	2 / 21
C	Gateway Pavilion	3 / 21
D	Restroom	22, 23
E	Pier	28
F	Floating Dock and Gangway	29

FINAL DEVELOPMENT PLAN
BAREFOOT LAKES
REGIONAL PARK FILING NO. 1
TOWN OF FIRESTONE
WELD COUNTY, STATE OF COLORADO



PART: 16' x 26' ADA Transfer Package # 3	REV 1	DRAWN: C. DiBella	AccuDock
REF #: PKG - TRF3	SCALE: 1:38	CHECKED: J. Harrison	Your First Choice for Floating Dock Solutions
	SHEET 6 OF 6	DATE: 03/09/16	

CONDITIONS OF APPROVAL #6:
"The pier and dock shall not be constructed until after there has been executed a license agreement among the Town, developer and St. Vrain Lakes Metropolitan District setting forth the developer's and district's responsibilities for construction, maintenance and operation of the pier and dock facilities and for provision of recreation services using the pier and dock."

DW PROJECT NUMBER: 5311

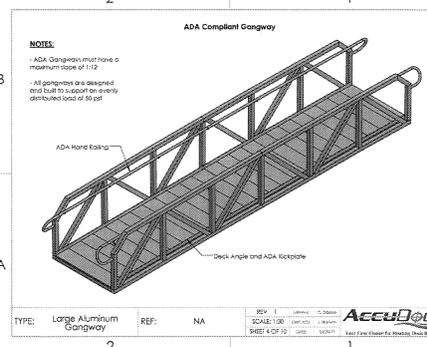
FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

SITE STRUCTURE:
FLOATING DOCK

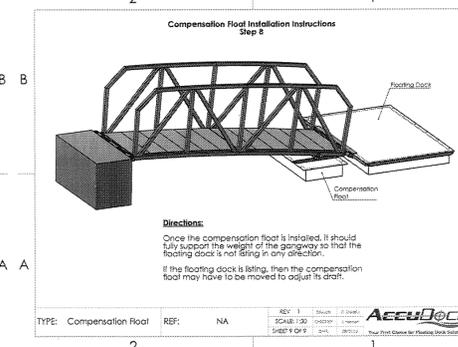
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Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
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Revision 4:	10.13.2017
Revision 5:	12.6.2017
Sheet	29 of 45

4375618 Pages: 29 of 45
02/15/2018 12:25 PM R Fee: \$453.00
City of Firestone, Weld County, Colorado



FABRICATOR: ACCUDOCK
PRODUCT: GANGWAY WITH WOOD DECKING
SIZE: 4' WIDTH X 48' LENGTH

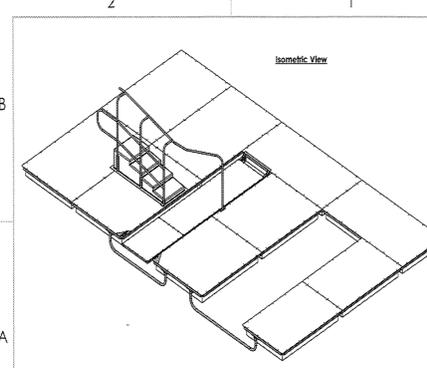
- NOTE:
- ASSEMBLE AND INSTALL PER MANUFACTURER'S DETAILED INSTRUCTIONS.
 - CONNECT TO PIER AND FLOATING DOCK PER MANUFACTURER'S DETAILED INSTRUCTIONS.
 - CONNECTIONS WILL INCLUDE HINGE BETWEEN PIER AND GANGWAY, AND A COMPENSATION FLOAT AT THE GANGWAY AND FLOATING DOCK, AS DIRECTED BY MANUFACTURER.



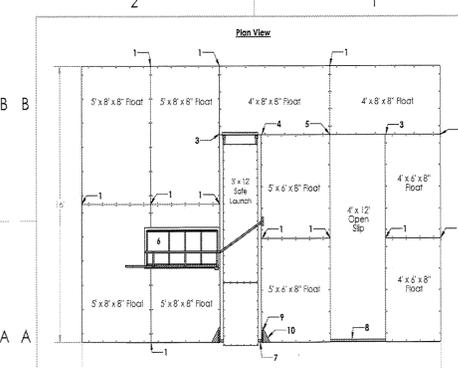
FABRICATOR: ACCUDOCK
PRODUCT: GANGWAY WITH WOOD DECKING
SIZE: 4' WIDTH X 48' LENGTH

- NOTE:
- ASSEMBLE AND INSTALL PER MANUFACTURER'S DETAILED INSTRUCTIONS.
 - CONNECT TO GANGWAY PER MANUFACTURER'S DETAILED INSTRUCTIONS.

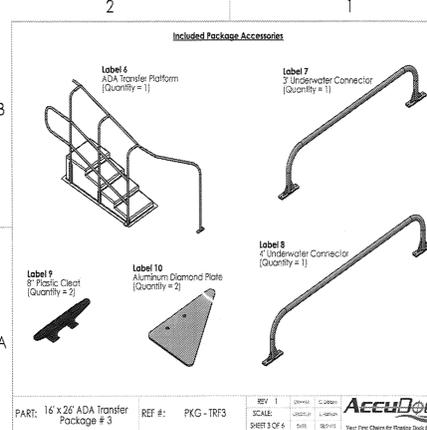
FABRICATOR: ACCUDOCK
PRODUCT: FLOATING DOCK WITH ADA ACCESS SLIP
ALL-WEATHER SYSTEM (CAN OVERWINTER IN LAKE)
SIZE: 16' WIDTH X 26' LENGTH



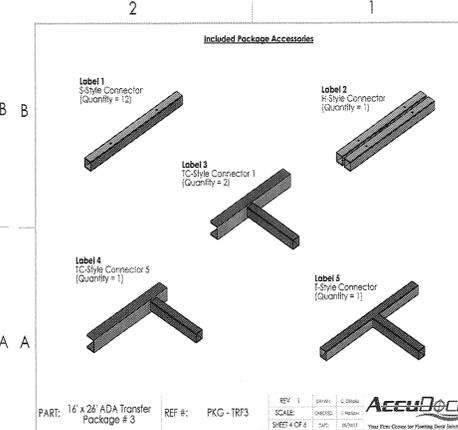
PART: 16' x 26' ADA Transfer Package # 3	REV 1	DRAWN: C. DiBella	AccuDock
REF #: PKG - TRF3	SCALE: 1:40	CHECKED: J. Harrison	Your First Choice for Floating Dock Solutions
	SHEET 1 OF 6	DATE: 03/09/16	



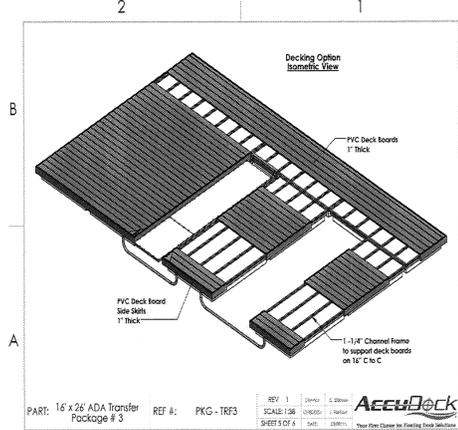
PART: 16' x 26' ADA Transfer Package # 3	REV 1	DRAWN: C. DiBella	AccuDock
REF #: PKG - TRF3	SCALE: 1:40	CHECKED: J. Harrison	Your First Choice for Floating Dock Solutions
	SHEET 2 OF 6	DATE: 03/09/16	



PART: 16' x 26' ADA Transfer Package # 3	REV 1	DRAWN: C. DiBella	AccuDock
REF #: PKG - TRF3	SCALE: 1:40	CHECKED: J. Harrison	Your First Choice for Floating Dock Solutions
	SHEET 3 OF 6	DATE: 03/09/16	



PART: 16' x 26' ADA Transfer Package # 3	REV 1	DRAWN: C. DiBella	AccuDock
REF #: PKG - TRF3	SCALE: 1:40	CHECKED: J. Harrison	Your First Choice for Floating Dock Solutions
	SHEET 4 OF 6	DATE: 03/09/16	



PART: 16' x 26' ADA Transfer Package # 3	REV 1	DRAWN: C. DiBella	AccuDock
REF #: PKG - TRF3	SCALE: 1:38	CHECKED: J. Harrison	Your First Choice for Floating Dock Solutions
	SHEET 5 OF 6	DATE: 03/09/16	

1 FLOATING DOCK
SCALE: 1/2" = 1'-0" AND 1" = 1'-0"

Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
LANDSCAPE STANDARDS
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 30 of 45

LANDSCAPE STANDARDS

Guiding Principals

1. All existing trees and shrubs are to be protected in place with construction fencing at their driplines. Landscape architect to approve construction fencing prior to construction activities.

2. Turf grass shall have the following characteristics:

- a. Attractive appearance that blends in well with the native vegetation in the open spaces of the development
- b. Drought tolerance
- c. Low maintenance
- d. A commercial blend that is tolerant of reduced irrigation and poorer soils, that will result in an attractive turf, require little maintenance and provide excellent erosion control and cover.

b. See below for specified mix.

c. Obtain soil samples prior to installing the appropriate soil amendment at all turf areas.

3. Open Space Landscape Native Grass

a. The Native Grass seed mix is the overall native grass matrix used predominately in the open spaces and tract landscapes. Regreen™ (or an equivalent cover crop) is added to this mix, as it will form a quick cover crop that out-competes cheat grass and other weeds.

b. See below for specified mix.

c. The wildflower mix shall either be oversown or combined with the Native Grass seed mix.

d. All disturbed areas are to be reseeded.

4. Shrub beds shall have three to four inches of mulch on top of a layer of non-woven filter fabric.

5. Any substitution for plant material must be approved by the Town prior to placement.

6. Provide lockable RP enclosure minimum 12" off ground at Backflow Preventer per Town of Firestone's requirements.

7. Irrigation

a. Irrigation must be 5 feet from foundations per geotechnical recommendations.

b. Permanent irrigation will be installed in native grasses/wildflower open areas for seed grow-in, and for periods of extended drought.

General Standards

Landscape design standards will conform to Town regulations and municipal code as they may be amended from time to time.

Firestone's rules and regulations for landscaping shall be in full force and effect unless specifically superseded by more stringent criteria herein.

The general landscape at Barefoot Lakes should reflect the front range plains landscape by making use of drought-tolerant, native and adaptive plants that thrive in this semi-arid climate. The community's open space areas use large masses of native and adaptive species with special plantings of wildflowers, shrubs, and trees to highlight views, to frame recreation and walking opportunities, and to provide seasonal color and interest. Barefoot Lakes should have a visual continuity from residence to tracts to the surrounding open space landscape. The following shall guide individual landscapes so that the overall community can achieve this goal:

1. **Stewardship** - The conservation of water and use of native or adaptive plants is important for stewardship of resources and support of habitat for birds, bees, butterflies, and wildlife.

2. **Visual Unity** - The landscape should transition seamlessly between programmed and open spaces.

3. **Support of Wellness** - Trees and ornamental plantings provide shade, habitat, and visual interest. These in turn support human comfort and encourage wellness activities like walking and recreating in nature. Appropriate amounts of native and/or adaptive plantings of grasses, perennials, shrubs, and trees are incorporated, as shown in the landscape plan on Sheets 31 through 38.

4. **Site Awareness** - The proposed landscape improvements will be sited to take advantage of existing views and microclimatic conditions while respecting existing terrain, vegetation, view corridors, and adjacent land uses.

SEED MIX:

A. Native Grass Mix (NG): Fresh, clean, and dry new seed, of mixed species as follows:

Common Name, Variety Scientific Name lb/ac (PLS)

Western wheatgrass, (Walsh or Arriba)	Pascopyrum smithii	2.5
Blue grama	Bouteloua gracilis	1.0
Sideoats grama, Vaughn	Bouteloua curtipendula	2.0
Green Needlegrass	Nassella viridula	0.5
Buffalograss	Bouteloua dactyloides	0.5
Thickspike wheatgrass	Elymus lanceolatus ssp. lanceolatus	1.5
Switchgrass	Panicum virgatum	2.0
Sand Dropseed	Sporobolus cryptandrus	0.25
Regreen™	Triticum aestivum xElytrigia elongata	2.0
Total		12.25 pls/acre

B. Turf Grass seed (NT): Fresh, clean, and dry new seed of the *Triathlon* blend by Arkansas Valley Seed Inc. (or approved equal.)

- a. Formulated of 100% Turf-Type Tall Fescue (featuring Elite Rhizome-Rich varieties)
- b. Seed @ 8-10 lbs per 1,000 sq ft. Overseed @ 4-5 lbs per 1,000 sq ft

Abbreviation/ Groupings	Scientific Name	Common Name	Size	Spacing	Quantity	Detail	Notes
Trees							
CAT	<i>Catalpa speciosa</i>	Catalpa	2" CAL.	Per Plan	4	9.1	
CAT-3	<i>Catalpa speciosa</i>	Catalpa	3" CAL.	Per Plan	3	9.1	
COC	<i>Corylus colurna</i>	Turkish Filbert	2" CAL.	Per Plan	10	9.1	
COC-3	<i>Corylus colurna</i>	Turkish Filbert	3" CAL.	Per Plan	9	9.1	
CRP	<i>Malus 'Prairiefire'</i>	Prairiefire Crabapple	2" CAL.	Per Plan	33	9.1	
CRS	<i>Malus 'Spring Snow'</i>	Spring Snow Crabapple	2" CAL.	Per Plan	30	9.1	
CRU	<i>Crataegus crus-galli var. inermis</i>	Thornless Cockspur Hawthorn	2" CAL.	Per Plan	5	9.1	
GTI	<i>Gleditsia triacanthos inermis Northern Acclaim</i>	Northern Acclaim Honeylocust	2" CAL.	Per Plan	9	9.1	
GTI-3	<i>Gleditsia triacanthos inermis Northern Acclaim</i>	Northern Acclaim Honeylocust	3" CAL.	Per Plan	6	9.1	
GYB	<i>Ginkgo biloba 'Autumn Gold'</i>	Autumn Gold Ginkgo	2" CAL.	Per Plan	5	9.1	
GYB-3	<i>Ginkgo biloba 'Autumn Gold'</i>	Autumn Gold Ginkgo	2" CAL.	Per Plan	2	9.1	
PIS-6	<i>Pinus sylvestris</i>	Scotch Pine	6" HT.	Per Plan	3	9.4	
PIS	<i>Pinus sylvestris</i>	Scotch Pine	8" HT.	Per Plan	2	9.4	
PNI	<i>Pinus nigra</i>	Austrian Pine	8" HT.	Per Plan	2	9.4	
PNP	<i>Pinus ponderosa</i>	Ponderosa Pine	8" HT.	Per Plan	2	9.4	
POD	<i>Populu deltoides 'Siouxland'</i>	Cottonless Eastern Cottonwood	2" CAL.	Per Plan	7	9.1	Seedless (Male) cultivar
POD-3	<i>Populu deltoides 'Siouxland'</i>	Cottonless Eastern Cottonwood	3" CAL.	Per Plan	4	9.1	Seedless (Male) cultivar
PPA	<i>Populus x acuminata</i>	Lanceleaf Cottonwood	2" CAL.	Per Plan	3	9.1	Seedless (Male) cultivar
PPN	<i>Populus angustifolia</i>	Narrow Leaf Cottonwood	2" CAL.	Per Plan	2	9.1	Seedless (Male) cultivar
PPN-3	<i>Populus angustifolia</i>	Narrow Leaf Cottonwood	3" CAL.	Per Plan	1	9.1	Seedless (Male) cultivar
PYC	<i>Pyrus calleryana 'Cleveland Select'</i>	Cleveland Pear	2" CAL.	Per Plan	26	9.1	
QMC	<i>Quercus x macdanielli</i>	Heritage Oak	2" CAL.	Per Plan	5	9.1	
QMC-3	<i>Quercus x macdanielli</i>	Heritage Oak	2" CAL.	Per Plan	3	9.1	
QUB	<i>Quercus bicolor</i>	Swamp White Oak	2" CAL.	Per Plan	4	9.1	
QUM	<i>Quercus macrocarpa</i>	Bur Oak	2" CAL.	Per Plan	5	9.1	
SAM	<i>Salix amygdaloides</i>	Peachleaf Willow	2" CAL.	Per Plan	3	9.1	
UAV	<i>Ulmus american 'Valley Forge'</i>	Valley Forge Elm	2" CAL.	Per Plan	8	9.1	
UAV-3	<i>Ulmus american 'Valley Forge'</i>	Valley Forge Elm	3" CAL.	Per Plan	7	9.1	
ULP	<i>Ulmus propinqua 'JFS-Bieberich'</i>	Emerald Sunshine Elm	2" CAL.	Per Plan	18	9.1	
ULP-3	<i>Ulmus propinqua 'JFS-Bieberich'</i>	Emerald Sunshine Elm	3" CAL.	Per Plan	7	9.1	
Shrubs							
NSS (area)	<i>Atriplex canescens</i>	Four Wing Salt Bush	1 Gal	Per Detail	48	9.10	NSS Mix per 9.10 (Det. 3/38)
NSS (area)	<i>Atriplex canescens</i>	Four Wing Salt Bush	5 Gal	Per Detail	24	9.10	NSS Mix per 9.10 (Det. 3/38)
NSS (area)	<i>Chrysothamnus nauseosus</i>	Rubber Rabbit Brush	1 Gal	Per Detail	48	9.10	NSS Mix per 9.10 (Det. 3/38)
NSS (area)	<i>Chrysothamnus nauseosus</i>	Rubber Rabbit Brush	5 Gal	Per Detail	73	9.10	NSS Mix per 9.10 (Det. 3/38)
NSS (area)	<i>Pyscarrpus monogynus</i>	Mountain Ninebark	3 Gal	Per Detail	48	9.10	NSS Mix per 9.10 (Det. 3/38)
NSS (area)	<i>Rhus trilobata</i>	Three Leaf Sumac	3 Gal	Per Detail	24	9.10	NSS Mix per 9.10 (Det. 3/38)
NSS (area)	<i>Rhus trilobata</i>	Three Leaf Sumac	5 Gal	Per Detail	48	9.10	NSS Mix per 9.10 (Det. 3/38)
NSS (area)	<i>Yucca sp.</i>	Yucca	1 Gal	Per Detail	12	9.10	NSS Mix per 9.10 (Det. 3/38)
BTM	<i>Berberis thunbergii 'Monomb'</i>	Cherry Bomb Barberry	5 Gal	Per Plan	35	9.3	
CHN	<i>Chrysothamnus nauseosus</i>	Rubber Rabbit Brush	5 Gal	Per Plan	25	9.3	
CHR	<i>Chrysanthemum x hybridum '95-169-8'</i>	Mammoth Daisy (Chrysanthemum)	5 Gal	Per Plan	42	9.3	
COI	<i>Cornus sericea 'Isanti'</i>	Isanti Dogwood	5 Gal	Per Plan	7	9.3	
CSC	<i>Cornus sericea 'Cardinal'</i>	Red Twig Dogwood	5 Gal	Per Plan	91	9.3	
DSC	<i>Diervilla sessilifolia 'Cool Splash'</i>	Cool Splash Dwarf Bush Honeysuckle	5 Gal	Per Plan	28	9.3	
JSB	<i>Juniperus sabina 'Broadmoor'</i>	Broadmoor Juniper	5 Gal	Per Plan	28	9.3	
PRP	<i>Prunus besseyi 'Pawnee Buttes'</i>	Pawnee Buttes Sand Cherry	5 Gal	Per Plan	43	9.3	
SBD	<i>Spiraea x bumalda 'Denistar'</i>	Superstar Spiraea	5 Gal	Per Plan	63	9.3	
SCH	<i>Symphoricarpos x chenault 'Hancock'</i>	Hancock Coralberry	5 Gal	Per Plan	58	9.3	
Grasses (Ornamental)							
NAT	<i>Nassella tenuissima</i>	Mexican Feather Grass	1 Gal	30" o.c.	259	9.9	Triang. spacing, Random distribution
Perennials							
PEA	<i>Perovskia atriplicifolia</i>	Russian Sage	3 Gal	Per Plan	74	9.8	
ALG	<i>Allium 'Globemaster'</i>	Ornamental Onion	1 Gal	30" o.c.	259	9.8	Triang. spacing, Random distribution
LIL	<i>Liatris mucronata</i>	Texas Blazing Star	1 Gal	30" o.c.	121	9.8	Triang. spacing, Random distribution
SNC	<i>Salvia nemorosa 'Caradonna'</i>	Cardonna Salvia	1 Gal	24" o.c.	99	9.8	Triangular spacing
SSM	<i>Salvia sylvestris x 'Mainact'</i>	May Night Salvia	1 Gal	24" o.c.	99	9.8	Triangular spacing
NPL	<i>Nepeta 'Psfjike'</i>	Little Trudy Catmint	F 15	18" o.c.	8	9.8	Qty per Flat; Triangular spacing
NFW	<i>Nepeta faassennii 'Walker's Low'</i>	Walker's Low Catmint	1 Gal	30" o.c.	35	9.8	Triangular spacing
ECH	<i>Echinacea purpurea</i>	Eastern Purple Coneflower	1 Gal	30" o.c.	31	9.8	Triangular spacing
ABF	<i>Agastache Blue Fortune</i>	Blue Fortune Hybrid Hyssop	1 Gal	24" o.c.	54	9.8	Triangular spacing
SNP	<i>Symphotrichum novae-angliae 'Purple Dome'</i>	Purple Dome Aster	1 Gal	24" o.c.	5	9.8	Triangular spacing
SAN	<i>Salvia nemorosa</i>	Sensation Rose	1 Gal	24" o.c.	5	9.8	Triangular spacing
Seed Mixes							
NG	(Native Grass Mix)	REF SPEC	Seed	REF SPEC	151,082		Western Wheat Grass, Blue Gramma, Sideoats Gramma, Green needlegrass, Buffalo Grass, ThickSpike Wheat Grass, Switchgrass, Sand Dropseed
NG at NSS	(Native Grass Mix at NSS areas)				23,544		Same as Above
RM	(Riparian Mix)	REF SPEC	Seed	REF SPEC	20,889		Alkalai Bullrush, Canada Wildrye, Switchgrass, Prairie Cordgrass, Softstem Bulrush, Hardstem Bulrush, Nebraska Sedge, Common Three-Square, Common Spikerush, Clustered Field Sedge, Baltic Rush, Torrey's Rush, Small-Winged Sedge, Indiangrass, Big Bluestem
TG	(Turf Grass Mix)	REF SPEC	Seed	REF SPEC	82,315		Kentucky Bluegrass, Perennial Ryegrass, Creeping Red Fescue
WW	(Wildflowers-Warm Tone Perennials Mix)	REF SPEC	Seed	REF SPEC	15,968		Blanket Flower, Black Eyed Susan, Plains Coreopsis, Sulphur Buckwheat
WC	(Wildflowers-Cool Tone Perennials Mix)	REF SPEC	Seed	REF SPEC	12,957		Blue Flax, Rocky Mtn. Penstemon, Rocky Mtn. Beeplant

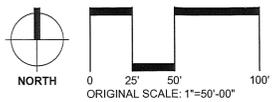
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 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

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 INFORMATION BLOCK

BAREFOOT LAKES

LANDSCAPE
 STANDARDS

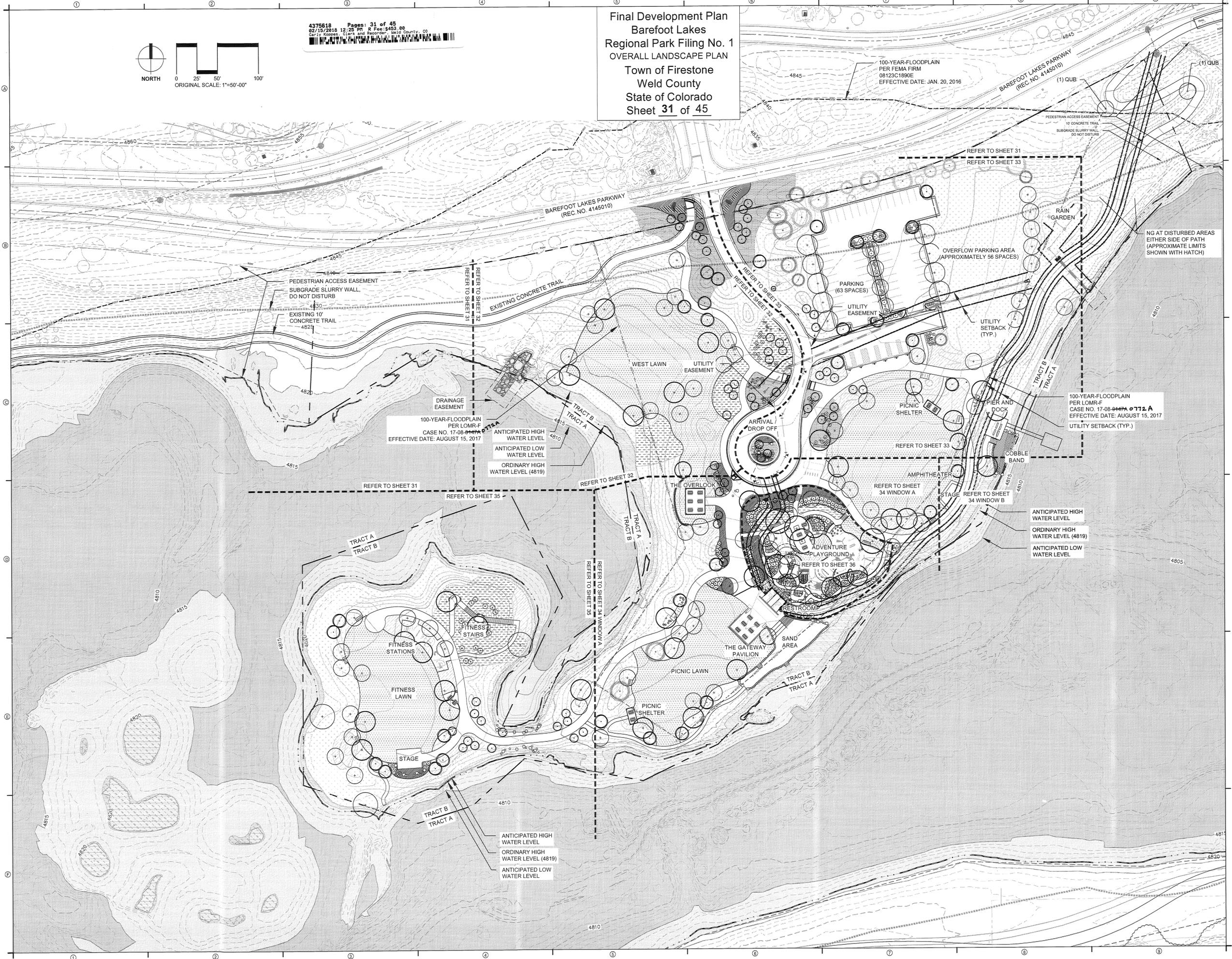
Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
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Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017
Sheet	<u>30</u> of <u>45</u>



4375618 Page: 31 of 45
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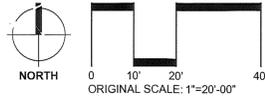
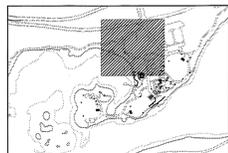
Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 OVERALL LANDSCAPE PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 31 of 45

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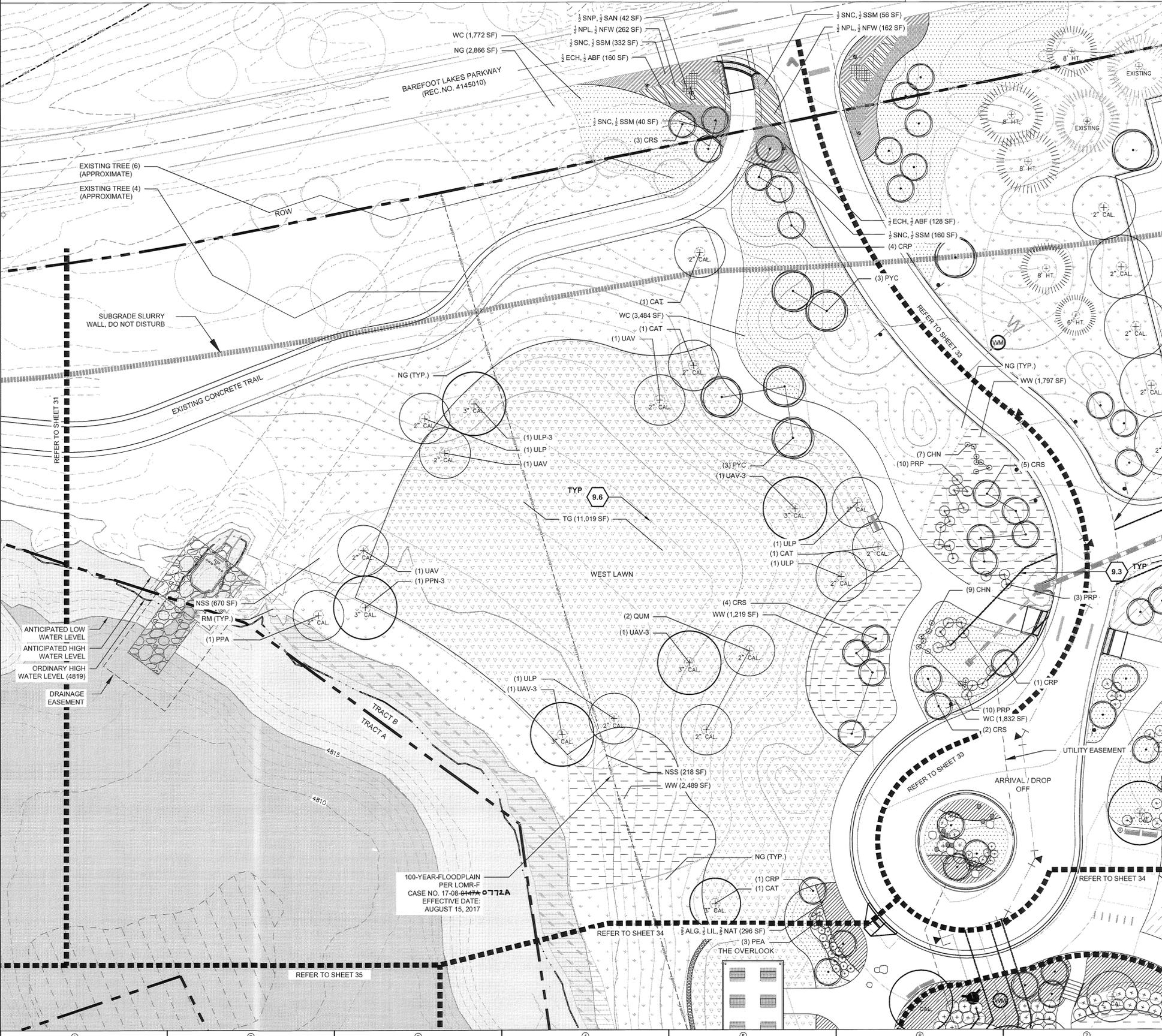
FINAL DEVELOPMENT PLAN
BAREFOOT LAKES
REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

D.W. PROJECT NUMBER: 5311	
FIRESTONE INFORMATION BLOCK	
BAREFOOT LAKES	
OVERALL PENINSULA LANDSCAPE PLAN	
Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
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Sheet	31 of 45



4375618 Pages: 32 of 45
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Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 LANDSCAPE PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 32 of 45



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 5/L.37
9.6	Lawn 5/L.37
9.7	Plant Spacing 5/L.37
9.8	Perennial Planting 4/L.37 5/L.37
9.9	Clump Grass Planting 4/L.38 5/L.37
9.10	Native Shrub Stand Modules 3/L.38

Abbreviation / Groupings	Scientific Name	Common Name
Trees		
CAT	<i>Catalpa speciosa</i>	Catalpa
CAT-3	<i>Catalpa speciosa</i>	Catalpa
COC	<i>Corylus colurna</i>	Turkish Filbert
COC-3	<i>Corylus colurna</i>	Turkish Filbert
CRP	<i>Malus 'Prairiefire'</i>	Prairiefire Crabapple
CRS	<i>Malus 'Spring Snow'</i>	Spring Snow Crabapple
CRU	<i>Crataegus crus-galli var. inermis</i>	Thornless Cockspur Hawthorn
GTI	<i>Gleditsia triacanthos inermis Northern Acclaim</i>	Northern Acclaim Honeylocust
GTI-3	<i>Gleditsia triacanthos inermis Northern Acclaim</i>	Northern Acclaim Honeylocust
GYB	<i>Ginkgo biloba 'Autumn Gold'</i>	Autumn Gold Ginkgo
GYB-3	<i>Ginkgo biloba 'Autumn Gold'</i>	Autumn Gold Ginkgo
PIS-6	<i>Pinus sylvestris</i>	Scotch Pine
PIS	<i>Pinus sylvestris</i>	Scotch Pine
PNI	<i>Pinus nigra</i>	Austrian Pine
PNP	<i>Pinus ponderosa</i>	Ponderosa Pine
POD	<i>Populus deltoides 'Siouxland'</i>	Cottonless Eastern Cottonwood
POD-3	<i>Populus deltoides 'Siouxland'</i>	Cottonless Eastern Cottonwood
PPA	<i>Populus x acuminata</i>	Lanceleaf Cottonwood
PPN	<i>Populus angustifolia</i>	Narrow Leaf Cottonwood
PPN-3	<i>Populus angustifolia</i>	Narrow Leaf Cottonwood
PYC	<i>Pyrus calleryana 'Cleveland Select'</i>	Cleveland Pear
QMC	<i>Quercus x macdanielli</i>	Heritage Oak
QMC-3	<i>Quercus x macdanielli</i>	Heritage Oak
QUB	<i>Quercus bicolor</i>	Swamp White Oak
QUM	<i>Quercus macrocarpa</i>	Bur Oak
SAM	<i>Salix amygdaloides</i>	Peachleaf Willow
UAV	<i>Ulmus american 'Valley Forge'</i>	Valley Forge Elm
UAV-3	<i>Ulmus american 'Valley Forge'</i>	Valley Forge Elm
ULP	<i>Ulmus propinqua 'JFS-Bieberich'</i>	Emerald Sunshine Elm
ULP-3	<i>Ulmus propinqua 'JFS-Bieberich'</i>	Emerald Sunshine Elm
Shrubs		
NSS (area)	<i>Atriplex canescens</i>	Four Wing Salt Bush
NSS (area)	<i>Atriplex canescens</i>	Four Wing Salt Bush
NSS (area)	<i>Chrysothamnus nauseosus</i>	Rubber Rabbit Brush
NSS (area)	<i>Chrysothamnus nauseosus</i>	Rubber Rabbit Brush
NSS (area)	<i>Pyspcarpus monogynus</i>	Mountain Ninebark
NSS (area)	<i>Rhus trilobata</i>	Three Leaf Sumac
NSS (area)	<i>Rhus trilobata</i>	Three Leaf Sumac
NSS (area)	<i>Yucca sp.</i>	Yucca
BTM	<i>Berberis thunbergii 'Monomb'</i>	Cherry Bomb Barberry
CHN	<i>Chrysothamnus nauseosus</i>	Rubber Rabbit Brush
CHR	<i>Chrysanthemum x hybridum '95-169-8'</i>	Mammoth Daisy (Chrysanthemum)
COI	<i>Cornus sericea 'Isanti'</i>	Isanti Dogwood
CSC	<i>Cornus sericea 'Cardinal'</i>	Red Twig Dogwood
DSC	<i>Diervilla sessilifolia 'Cool Splash'</i>	Cool Splash Dwarf Bush Honeysuckle
JSB	<i>Juniperus sabina 'Broadmoor'</i>	Broadmoor Juniper
PRP	<i>Prunus besseyi 'Pawnee Buttes'</i>	Pawnee Buttes Sand Cherry
SBD	<i>Spiraea x bumalda 'Denistar'</i>	Superstar Spiraea
SCH	<i>Symphoricarpos x chenaulti 'Hancock'</i>	Hancock Coralberry
Grasses (Ornamental)		
NAT	<i>Nassella tenuissima</i>	Mexican Feather Grass
Perennials		
PEA	<i>Perovskia atriplicifolia</i>	Russian Sage
ALG	<i>Allium 'Globemaster'</i>	Ornamental Onion
LIL	<i>Liatris mucronata</i>	Texas Blazing Star
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NPL	<i>Nepeta 'Psfike'</i>	Little Trudy Catmint
NFW	<i>Nepeta faassenii 'Walker's Low'</i>	Walker's Low Catmint
ECH	<i>Echinacea purpurea</i>	Eastern Purple Coneflower
ABF	<i>Agastache Blue Fortune</i>	Blue Fortune Hybrid Hyssop
SNP	<i>Symphyotrichum novae-angliae 'Purple Dome'</i>	Purple Dome Aster
SAN	<i>Salvia nemorosa</i>	Sensation Rose
Seed Mixes		
NG	(Native Grass Mix)	REF SPEC
NG at NSS	(Native Grass Mix at NSS areas)	

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**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1**
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311

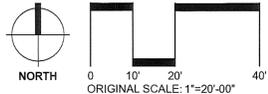
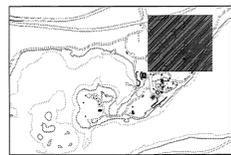
FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

LANDSCAPE PLAN

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017
Sheet	32 of 45

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4375618 Pages: 33 of 45
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 Carly Koppen, Clerk and Recorder, Weld County, CO

Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 LANDSCAPE PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 33 of 45

KEY PLAN



SITE KEYNOTES:

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9.2	Deciduous Multi-Trunk Tree Planting	2 / L.37	
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9.5	Ground Cover Planting	3 / L.37	5 / L.37
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9.7	Plant Spacing	5 / L.37	
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NG at NSS	(Native Grass Mix at NSS areas)	

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FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE
 INFORMATION BLOCK

BAREFOOT LAKES

LANDSCAPE
 PLAN

Name of application: BAREFOOT LAKES REGIONAL PARK FILING NO. 1

Type: FDP

Filing #: 1

1st Submittal: 9.29.2016

Revision 1: 2.17.2017

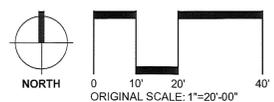
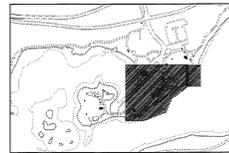
Revision 2: 5.19.2017

Revision 3: 9.11.2017

Revision 4: 10.13.2017

Revision 5: 12.6.2017

Sheet 33 of 45



4375618 Pages: 34 of 45
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 Carly Koops, Clerk and Recorder, Weld County, CO

Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 LANDSCAPE PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 34 of 45



SITE KEYNOTES:

DETAIL / SHEET	RELATED DETAIL(S)
9.0	PLANTING AND LANDSCAPE
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9.2	Deciduous Multi-Trunk Tree Planting 2 / L.37
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Seed Mixes

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FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE
 INFORMATION BLOCK

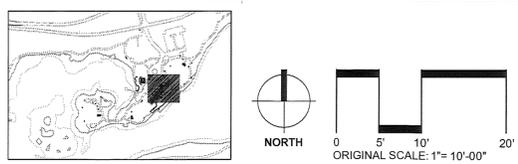
BAREFOOT LAKES

LANDSCAPE
 PLAN

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
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1st Submittal:	9.29.2016
Revision 1:	2.17.2017
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Sheet	34 of 45

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4375618 Pages: 36 of 45
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Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 LANDSCAPE PLAN ENLARGEMENT
 Town of Firestone
 Weld County
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 Sheet 36 of 45



SITE KEYNOTES:		
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QUM	<i>Quercus macrocarpa</i>	Bur Oak
SAM	<i>Salix amygdaloides</i>	Peachleaf Willow
UAV	<i>Ulmus american 'Valley Forge'</i>	Valley Forge Elm
UAV-3	<i>Ulmus american 'Valley Forge'</i>	Valley Forge Elm
ULP	<i>Ulmus propinqua 'JFS-Bieberich'</i>	Emerald Sunshine Elm
ULP-3	<i>Ulmus propinqua 'JFS-Bieberich'</i>	Emerald Sunshine Elm
Shrubs		
NSS (area)	<i>Atriplex canescens</i>	Four Wing Salt Bush
NSS (area)	<i>Atriplex canescens</i>	Four Wing Salt Bush
NSS (area)	<i>Chrysothamnus nauseosus</i>	Rubber Rabbit Brush
NSS (area)	<i>Chrysothamnus nauseosus</i>	Rubber Rabbit Brush
NSS (area)	<i>Pyscarpus monogynus</i>	Mountain Ninebark
NSS (area)	<i>Rhus trilobata</i>	Three Leaf Sumac
NSS (area)	<i>Rhus trilobata</i>	Three Leaf Sumac
NSS (area)	<i>Yucca sp.</i>	Yucca
BTM	<i>Berberis thunbergii 'Monomb'</i>	Cherry Bomb Barberry
CHN	<i>Chrysothamnus nauseosus</i>	Rubber Rabbit Brush
CHR	<i>Chrysanthemum x hybridum '95-169-8'</i>	Mammoth Daisy (Chrysanthemum)
COI	<i>Cornus sericea 'Isanti'</i>	Isanti Dogwood
CSC	<i>Cornus sericea 'Cardinal'</i>	Red Twig Dogwood
DSC	<i>Diervilla sessilifolia 'Cool Splash'</i>	Cool Splash Dwarf Bush Honeysuckle
JSB	<i>Juniperus sabina 'Broadmoor'</i>	Broadmoor Juniper
PRP	<i>Prunus besseyi 'Pawnee Buttes'</i>	Pawnee Buttes Sand Cherry
SBD	<i>Spirea x bumalda 'Denistar'</i>	Superstar Spirea
SCH	<i>Symphoricarpos x chenault 'Hancock'</i>	Hancock Coralberry
Grasses (Ornamental)		
NAT	<i>Nassella tenuissima</i>	Mexican Feather Grass
Perennials		
PEA	<i>Perovskia atriplicifolia</i>	Russian Sage
ALG	<i>Allium 'Globemaster'</i>	Ornamental Onion
LIL	<i>Liatris mucronata</i>	Texas Blazing Star
SNC	<i>Salvia nemorosa 'Cardonna'</i>	Cardonna Salvia
SSM	<i>Salvia sylvestris x 'Mainact'</i>	May Night Salvia
NPL	<i>Nepeta 'Psfike'</i>	Little Trudy Catmint
NFW	<i>Nepeta faassenii 'Walker's Low'</i>	Walker's Low Catmint
ECH	<i>Echinacea purpurea</i>	Eastern Purple Coneflower
ABF	<i>Agastache Blue Fortune</i>	Blue Fortune Hybrid Hyssop
SNP	<i>Symphoricarpos novae-angliae 'Purple Dome'</i>	Purple Dome Aster
SAN	<i>Salvia nemorosa</i>	Sensation Rose
Seed Mixes		
NG	(Native Grass Mix)	REF SPEC
NG at NSS	(Native Grass Mix at NSS areas)	

ANTICIPATED HIGH WATER LEVEL
 ORDINARY HIGH WATER LEVEL (4819)
 ANTICIPATED LOW WATER LEVEL
 100-YEAR-FLOODPLAIN PER LOMR-F CASE NO. 17-08-0474 EFFECTIVE DATE: AUGUST 15, 2017

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**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO**

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

LANDSCAPE PLAN ENLARGEMENT

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
1st Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Revision 4:	10.13.2017
Revision 5:	12.6.2017

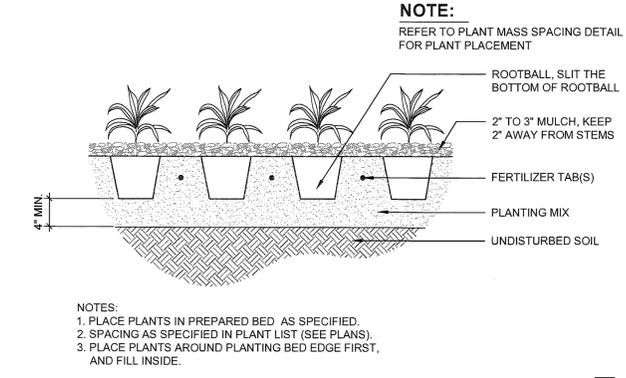
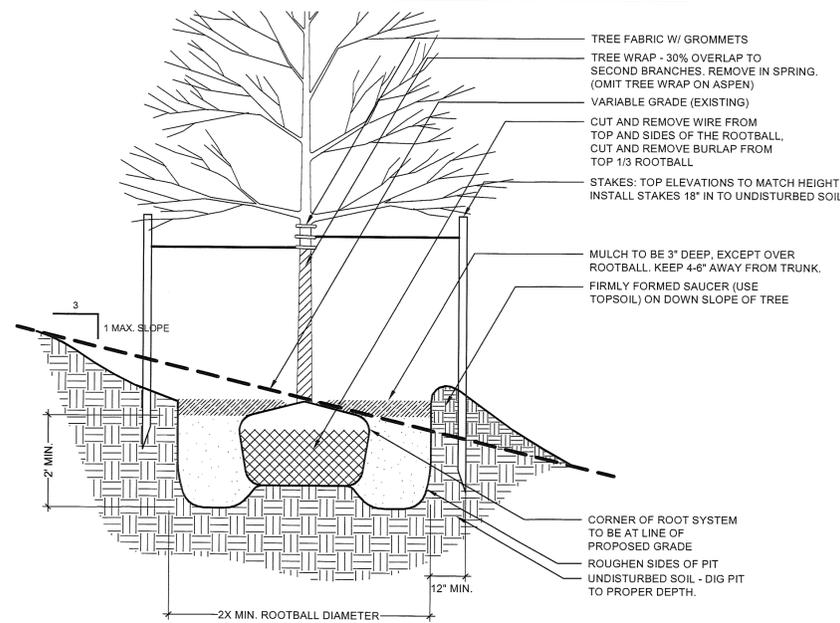
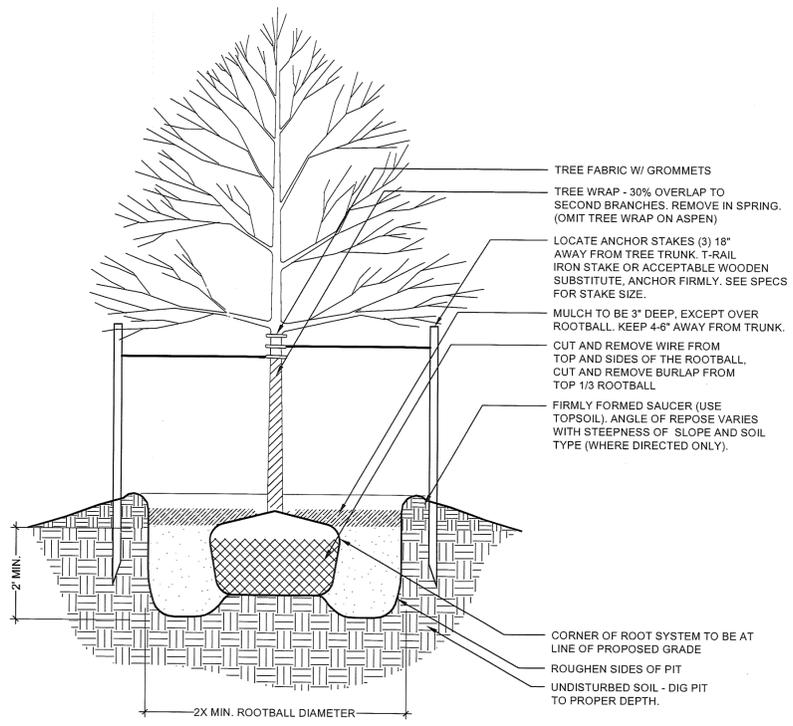
Sheet 36 of 45

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Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 PLANTING DETAILS
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 37 of 45

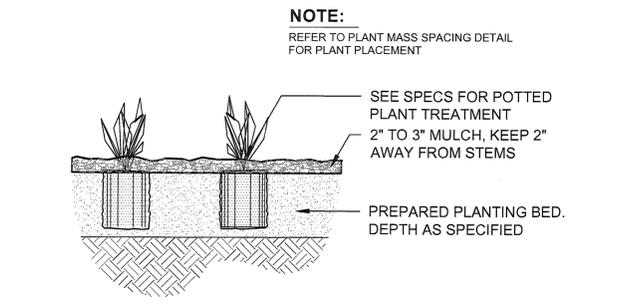
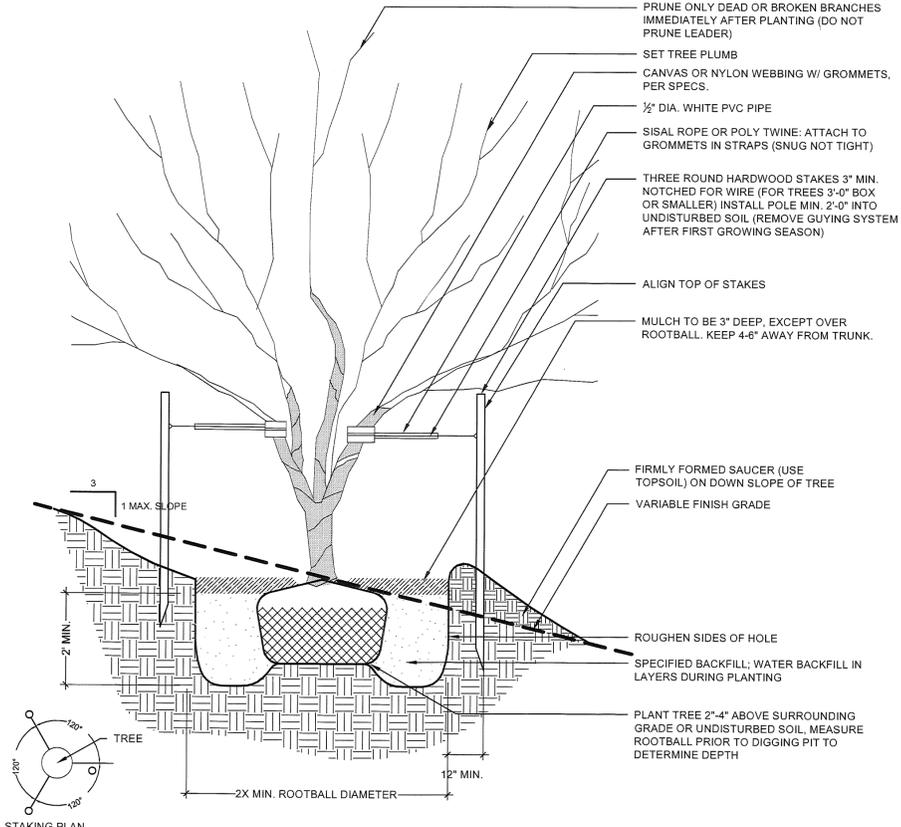
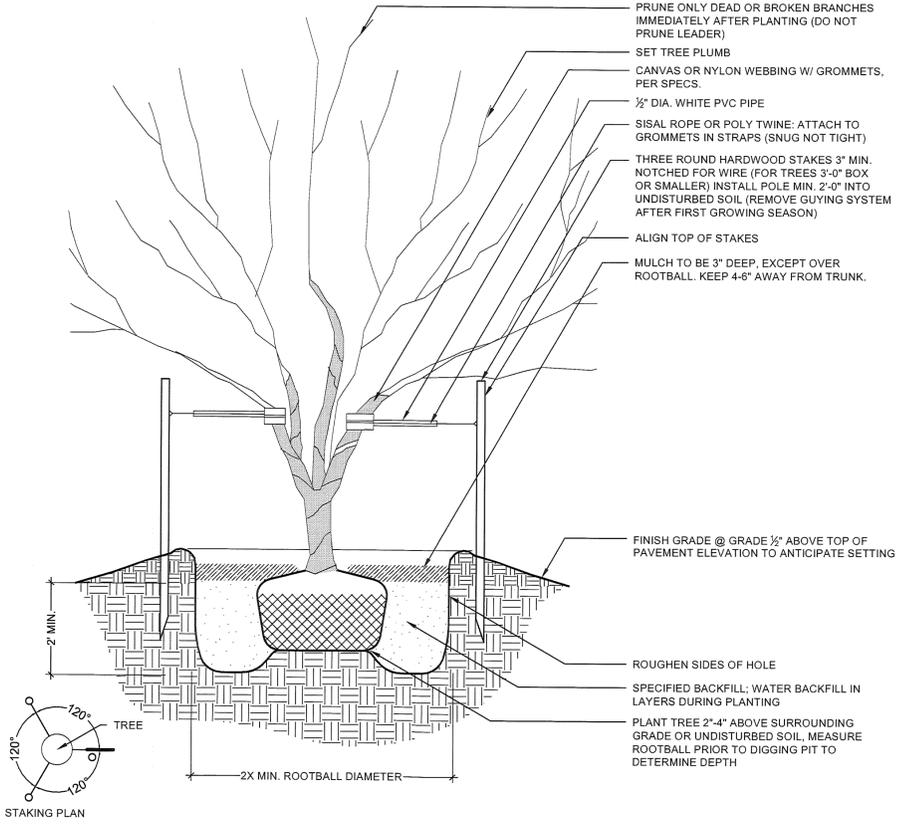
SITE KEYNOTES:

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 5/L.37
9.6 Lawn	5/L.38
9.7 Plant Spacing	5/L.37
9.8 Perennial Planting	4/L.37 5/L.37
9.9 Clump Grass Planting	4/L.38 5/L.37
9.10 Native Shrub Stand Modules	3/L.38



1 DECIDUOUS TREE PLANTING
 SCALE: 3/8" = 1'-0"

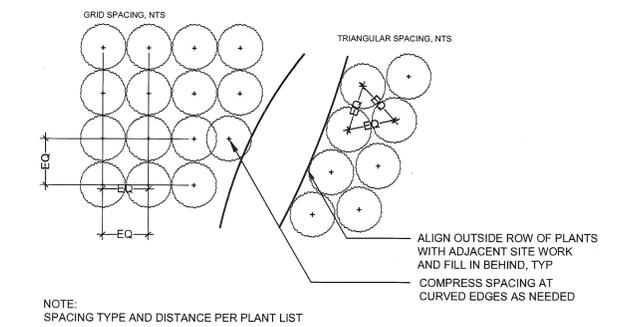
3 GROUND COVER PLANTING
 SCALE: 1" = 1'-0"



4 PERENNIAL PLANTING
 SCALE: 1" = 1'-0"

2 DECIDUOUS MULTI-TRUNK TREE PLANTING
 SCALE: 3/8" = 1'-0"

5 PLANT SPACING
 1" = 1'-0"



**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO**

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PLANTING DETAILS

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Revision 1:	2.17.2017
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Sheet	37 of 45

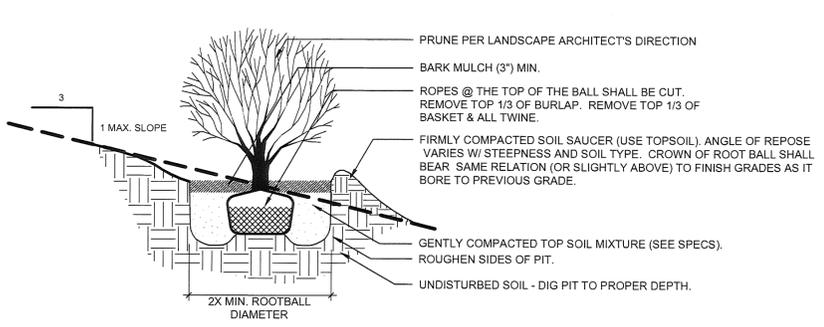
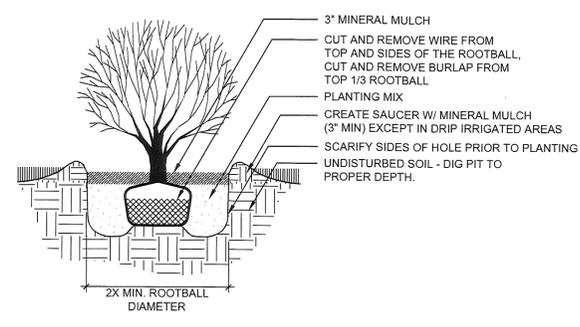
6278518 1/8" = 1'-0" 3B of 45
 02/12/2016 12:28 PM R 7.6 453.06
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Final Development Plan
 Regional Park Filing No. 1
 Planned Unit Development
 PLANTING DETAILS
 Town of Firestone
 Weld County
 State of Colorado
 Sheet **38** of **62**

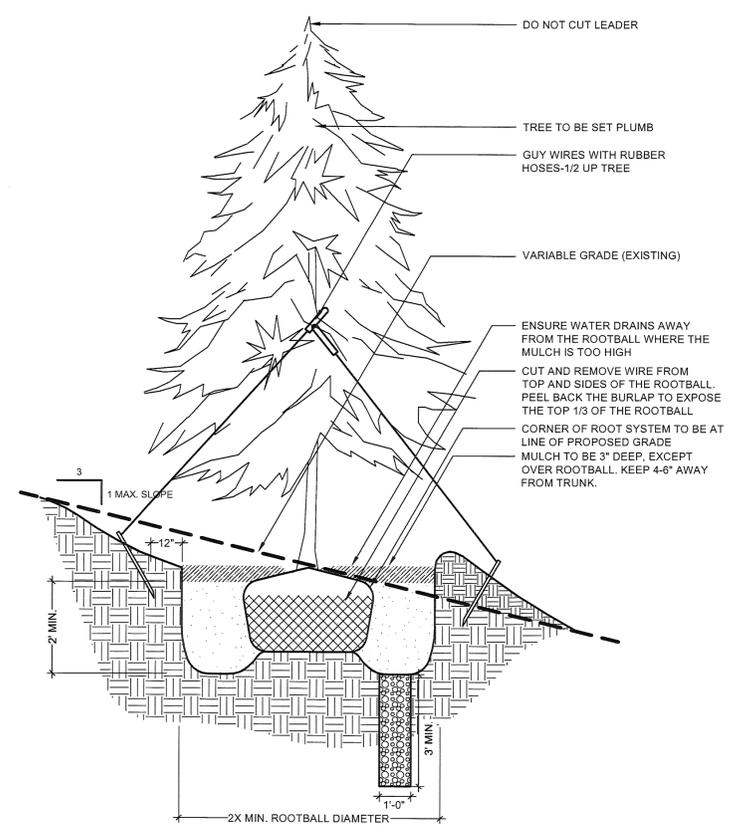
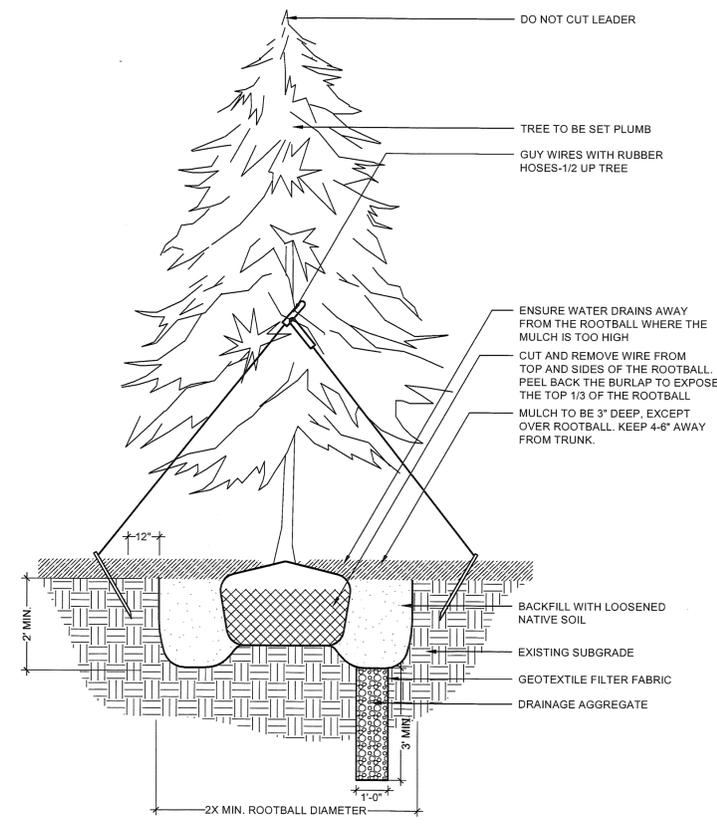
SITE KEYNOTES:

KEYNOTE	DETAIL / SHEET	RELATED DETAIL(S)
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9.1	Deciduous Tree Planting	1 / L.37
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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

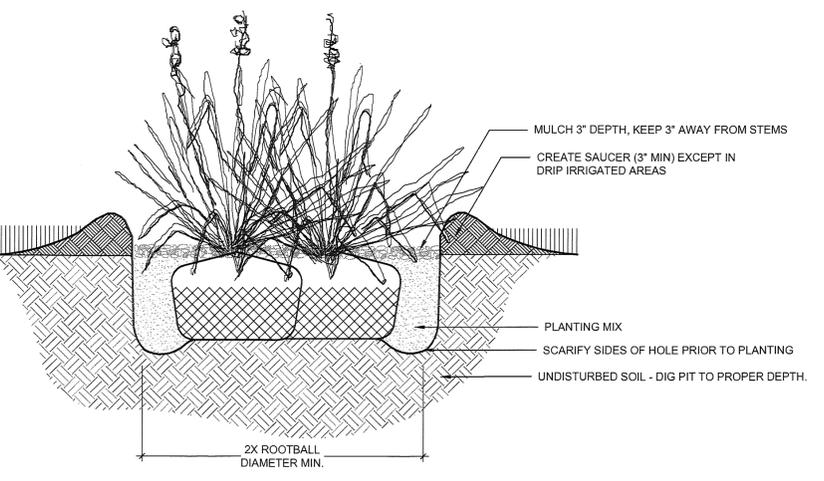
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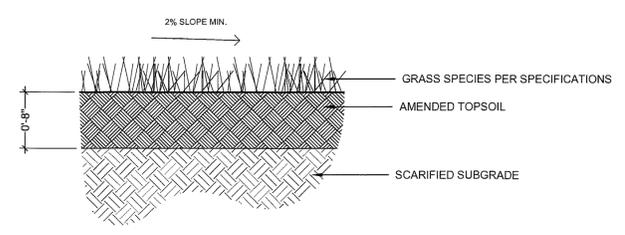
1 SHRUB PLANTING
 SCALE: 1/2" = 1'-0"



2 EVERGREEN TREE PLANTING
 SCALE: 3/8" = 1'-0"

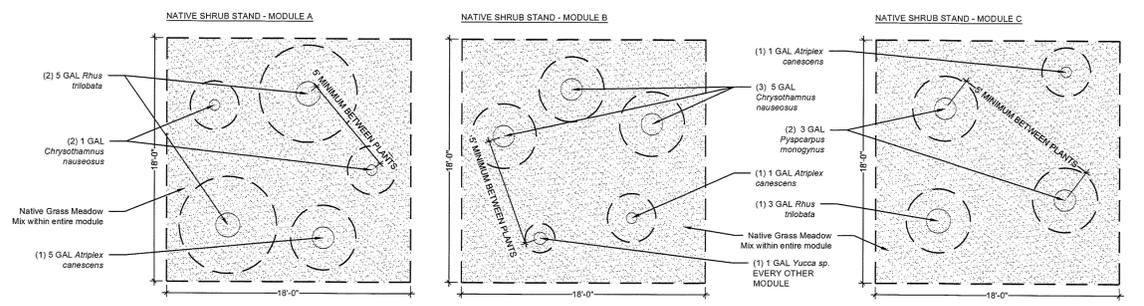


4 CLUMP GRASS PLANTING
 SCALE: 1" = 1'-0"



5 LAWN
 SCALE: 1" = 1'-0"

3 NATIVE SHRUB STAND MODULES
 SCALE: 3/16" = 1'-0"



- NOTES:**
- WITHIN THE IDENTIFIED AREA, RANDOMLY DISTRIBUTE PLANTING MODULES IN EQUAL PROPORTION.
 - DO NOT PLACE MORE THAN TWO MODULES OF THE SAME TYPE NEXT TO ONE ANOTHER.
 - PROVIDE 5' MINIMUM BETWEEN ALL PLANTS, EVEN BETWEEN PLANTS IN SEPARATE MODULES.
 - WHEN A FULL 15' BY 15' MODULE IS CUT AT THE EDGE OF THE SHRUB AREA OR AT A AWALK, ROAD, OR OTHER PROJECT FEATURE, PROVIDE PERCENTAGE OF PLANT MATERIAL EQUAL TO THE PERCENTAGE OF MODULE THAT REMAINS.
 - DISTRIBUTE PLANTS OF THE SAME SPECIES EVENLY AROUND THE MODULE SO THAT ONE SPECIES DOES NOT DOMINATE ONE SIDE OF EACH MODULE.
 - LANDSCAPE ARCHITECT TO FIELD VERIFY SHRUB AREAS AND MODULE LAYOUT PRIOR TO PLANTING.
 - PLANT SHRUBS PER KEYNOTE 9.3.

FINAL DEVELOPMENT PLAN
BAREFOOT LAKES
REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK	
BAREFOOT LAKES	
PLANTING DETAILS	
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Sheet	38 of 45

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Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 IRRIGATION NOTES & SCHEDULE
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 39 of 45

FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

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 84 PSI. 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 OF 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 84 PSI (MINIMUM).
- IRRIGATION SYSTEM OPERATION INTENT - THIS IRRIGATION SYSTEM HAS BEEN DESIGNED TO IRRIGATE THE ESTABLISHED LANDSCAPE WITHIN A SIX NIGHT PER WEEK, EIGHT 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	2.02" PER WEEK PEAK SEASON
ORNAMENTAL PLANTINGS	0.72" PER WEEK PEAK SEASON
WILDFLOWER MIXES	1.15" PER WEEK PEAK SEASON
NATIVE SEED MIXES	0.69" PER WEEK PEAK SEASON (TWO SEASONS)

 NOTE: IT IS THE INTENT OF THIS DESIGN THAT NATIVE AREAS WOULD ONLY BE IRRIGATED FOR ESTABLISHMENT. DURING THE FIRST SEASON AFTER SEEDING, IRRIGATION WILL BE FULLY IRRIGATED TO THE QUANTITIES AND FREQUENCIES IDENTIFIED ABOVE. DURING THE SECOND SEASON, IT WILL BE WATERED BETWEEN HALF AS FREQUENTLY. AFTER THE SECOND SEASON, IT IS ANTICIPATED THAT THE NATIVE IRRIGATION WOULD BE COMPLETELY TURNED OFF AND ONLY RUN IN THE EVENT OF DROUGHT CONDITIONS.
- 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, LATERALS, 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)
1-50 CONTROL WIRES	3" PVC (1)
51-100 CONTROL WIRES	3" PVC (2)
COMMUNICATION CABLE	3" 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 3" 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.
- SPARE CONTROL WIRES - CONTRACTOR SHALL EXTEND THREE SPARE WIRES (ONE COMMON AND 2 CONTROL WIRES) FROM EACH CONTROLLER TO THE END OF THE MAINLINE SERVING THAT CONTROLLER OR AS SHOWN ON THE PLANS. INSTALL SPARE WIRES IN 10' ROUND VALVE BOX WITH QUICK COUPLING VALVE. REFER TO SPECIFICATIONS FOR WIRE COLOR. SEE IRRIGATION SCHEDULE FOR ADDITIONAL INFORMATION.
- DRIP IRRIGATION - REFER TO IRRIGATION DETAIL SHEET FOR DRIP EMITTER QUANTITIES AND PLACEMENT.
- 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 UP TO 77 GPM.
- UNLABELED PIPING - ALL UNLABELED LATERAL PIPING SHALL BE 3/4" MINIMUM UNLESS OTHERWISE NOTED.

NOTE: It is the responsibility of the owner/Developer to ensure that all work performed by the contractor shall be completed as specified in the Final Development Plans.

IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER	MODEL NO.	DESCRIPTION	DETAIL NO.
	RAIN BIRD	RD06-S-P30-NP WITH MATCHED PRECIP. RATE SERIES NOZZLE	POPUP SPRAY HEAD	6
	RAIN BIRD	RD06-S-P30-NP WITH SST & CORNER NOZZLE	POPUP SPRAY HEAD	6
	RAIN BIRD	RD12-S-P30-NP WITH MATCHED PRECIP. RATE SERIES NOZZLE	HI-POP SPRAY HEAD	7
	RAIN BIRD	RD12-S-P30-NP WITH SST & CORNER NOZZLE	HI-POP SPRAY HEAD	7
	RAIN BIRD	5006-PL-PC-SAM-R-NP-SS WITH #NOZ	GEAR DRIVEN ROTOR	8
	RAIN BIRD	5006-PL-FC-SAM-R-NP-SS WITH #NOZ	GEAR DRIVEN ROTOR	8
		5012-PL-PC-SAM-R-NP WITH #NOZ	HI-POP GEAR DRIVEN ROTOR	9
		5012-PL-FC-SAM-R-NP WITH #NOZ	HI-POP GEAR DRIVEN ROTOR	9
		5012-PL-PC-SAM-R-NP WITH #NOZ	HI-POP GEAR DRIVEN ROTOR	9
		5012-PL-FC-SAM-R-NP WITH #NOZ	HI-POP GEAR DRIVEN ROTOR	9
		5012-PL-FC-SAM-R-NP WITH #NOZ	HI-POP GEAR DRIVEN ROTOR	9
	RAIN BIRD	FESB-PRS-D SERIES	ELECTRIC CONTROL VALVE	10
	RAIN BIRD	44-NP	QUICK COUPLING VALVE	11
	RAIN MASTER	EGP481-SPED IV FMR KIT	ELECTRIC CONTROLLER	2
	HUNTER	WRF-GLIK	RAIN SHUT-OFF DEVICE	3
	FEBCO	82BY	RP BACKFLOW PREVENTER	1
	MATCO	201X	MANUAL DRAIN VALVE	13
		LINE SIZE - 2 1/2" AND SMALLER	GATE VALVE	12
	BERMAD	410 (NORMALLY OPEN)	MASTER CONTROL VALVE	5
	GST	FSI-T20-001 (2')	FLOW SENSOR	4
		CLASS 200 BE - 2 1/2" & SMALLER	PVC MAINLINE	17
		CLASS 200 BE	PVC LATERAL	17
		CLASS 160	PVC SLEEVING	18
	TORO	BLUE STRIPE	POLY DRIP TUBING - 3/4" MIN. WIDTH	14, 15 & 16
	RAIN BIRD	XCZ-PRB-100-COM	DRIP VALVE ASSEMBLY	14
			DRIP LINE BLOW-OUT STUB	16
	RAIN BIRD	XERI-BUG	DRIP EMITTERS	15
			CONTROLLER & STATION NO.	
			CONTROL VALVE SIZE	
			NUMBER OF SPARE WIRES - 2 CONTROL AND 1 SPARE WIRES TO WHICH CONTROLLER - SEE CONSTRUCTION NOTES	

REFER TO SHEET

- 39 IRRIGATION NOTES & SCHEDULE
- 40 OVERALL IRRIGATION PLAN
- 41 - 42 IRRIGATION DETAILS
- 43 IRRIGATION DESIGN INTENT PLAN

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

IRRIGATION NOTES & SCHEDULE

Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
First Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Sheet	39 of 45



Know what's below.
 Call before you dig.
 CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

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 860 Tabor Street, Suite 200
 Lakewood, Colorado 80401
 303-980-5327
 303-980-5384 (fax)

Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 OVERALL IRRIGATION PLAN
 Town of Firestone
 Weld County
 State of Colorado
 Sheet **40** of 45

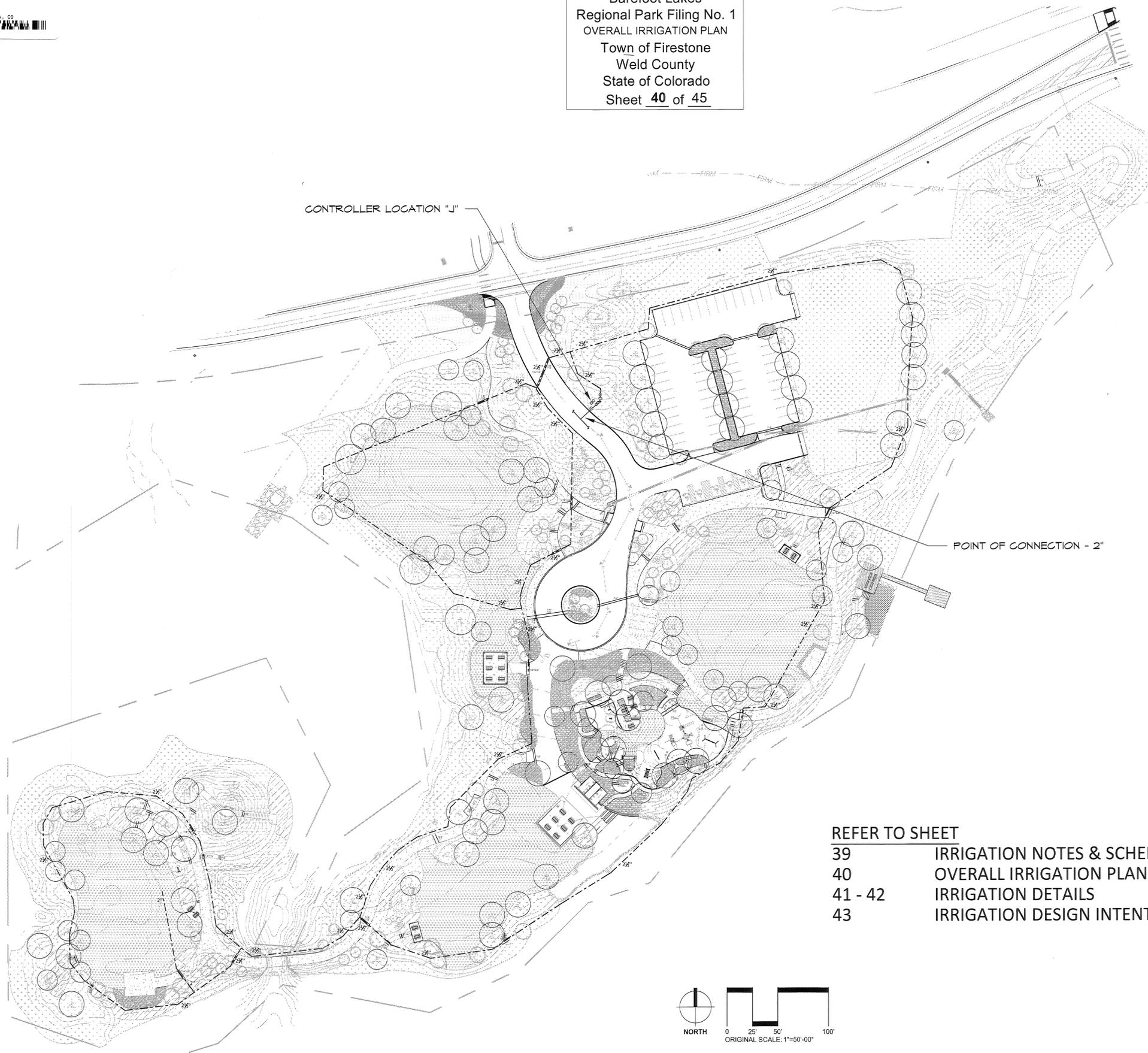
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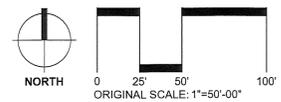
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**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1**
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO



REFER TO SHEET

39	IRRIGATION NOTES & SCHEDULE
40	OVERALL IRRIGATION PLAN
41 - 42	IRRIGATION DETAILS
43	IRRIGATION DESIGN INTENT PLAN



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Type:	FDP
Filing #:	1
First Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Sheet	40 of 45

Final Development Plan
Barefoot Lakes
Regional Park Filing No. 1
IRRIGATION DETAILS
Town of Firestone
Weld County
State of Colorado
Sheet 41 of 45

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FINAL DEVELOPMENT PLAN
BAREFOOT LAKES
REGIONAL PARK FILING NO. 1
TOWN OF FIRESTONE
WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE
INFORMATION BLOCK

BAREFOOT LAKES

IRRIGATION
DETAILS

Name of application: BAREFOOT LAKES REGIONAL PARK FILING NO. 1

Type: FDP

Filing #: 1

First Submittal: 9.29.2016

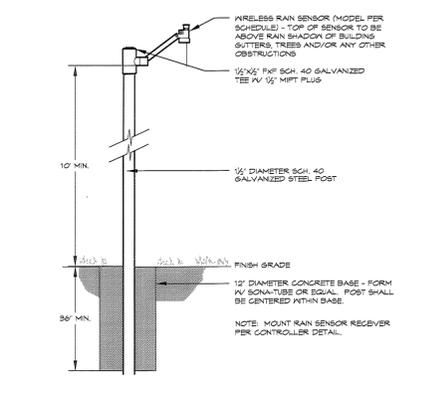
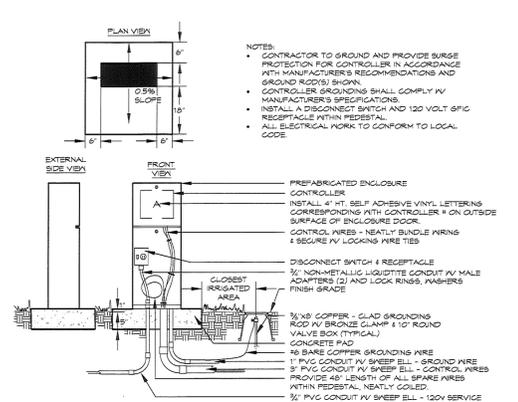
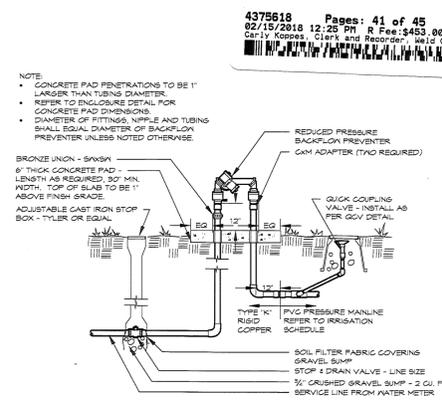
Revision 1: 2.17.2017

Revision 2: 5.19.2017

Revision 3: 9.11.2017

Sheet 41 of 45

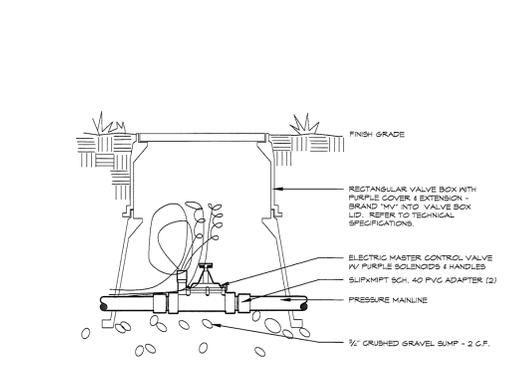
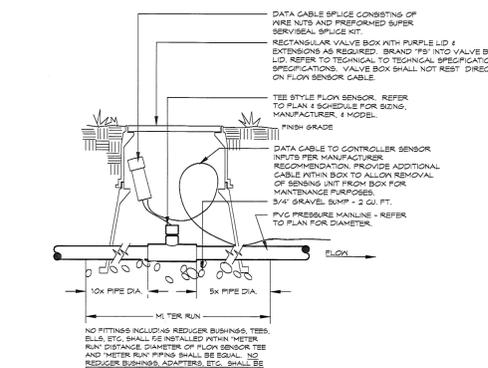
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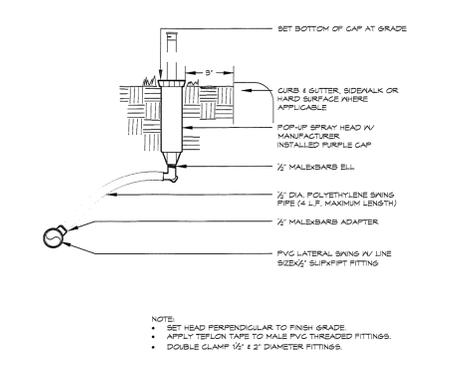
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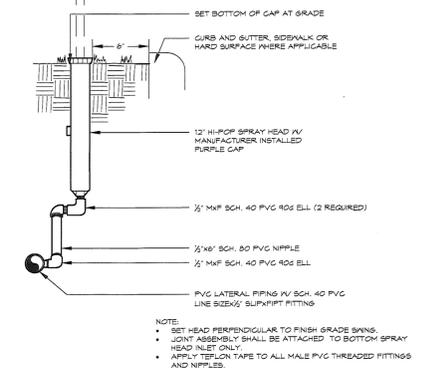


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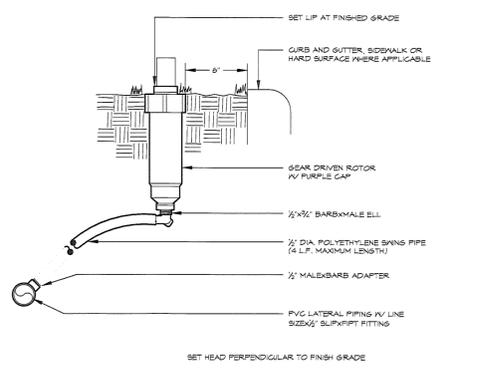
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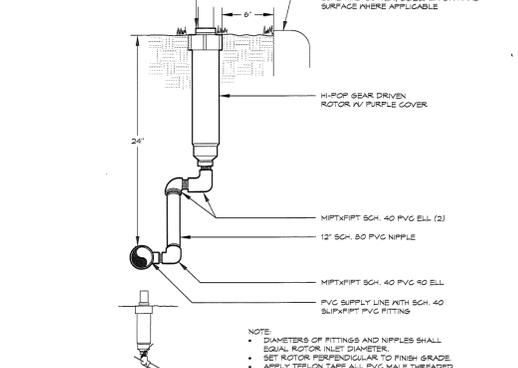
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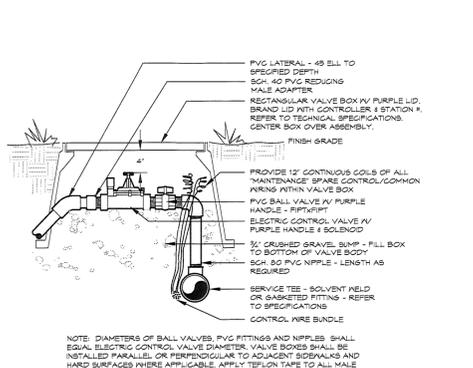
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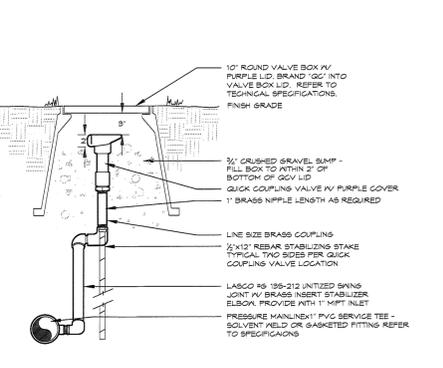
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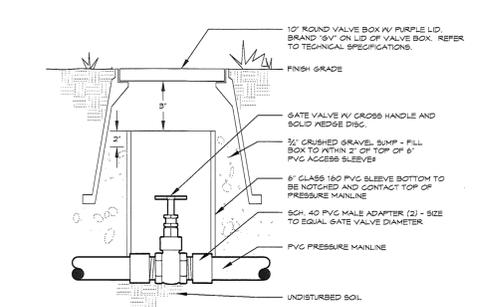
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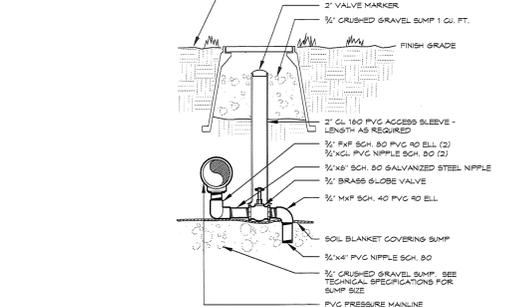
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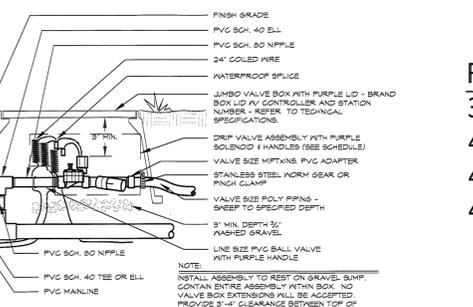
11



12



13



14

REFER TO SHEET
39 IRRIGATION NOTES & SCHEDULE
40 OVERALL IRRIGATION PLAN
41 - 42 IRRIGATION DETAILS
43 IRRIGATION DESIGN INTENT PLAN



Know what's below.
Call before you dig.
CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG. GRADE OR INDICATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

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860 Taber Street, Suite 200
Lakewood, Colorado 80401
303-980-5327
303-980-5384 (fax)

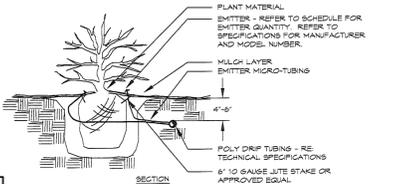
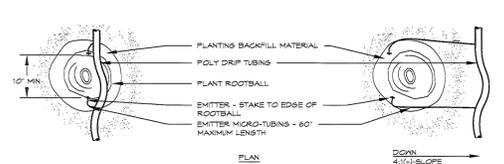
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4375618 Perms: 42 of 45
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Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
IRRIGATION DETAILS
 Town of Firestone
 Weld County
 State of Colorado
 Sheet **42** of **45**

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FINAL DEVELOPMENT PLAN
BAREFOOT LAKES
REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

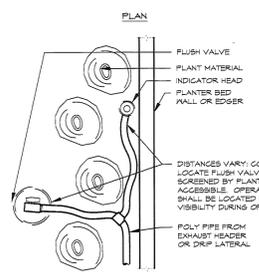


PLANT SIZE	EMITTER FLOW RATE	EMITTER QTY. AT MULCHED BED LOCATIONS	EMITTER QTY. AT NATIVE SEED LOCATIONS
1 - 2 GALLON MATERIAL	0.5 GPH	ONE EACH	ONE EACH
3 GALLON MATERIAL	0.5 GPH	TWO EACH	TWO EACH
1/2" CALIPER TREE	1.0 GPH	THREE EACH	FOUR EACH
2" CALIPER TREE	1.0 GPH	FOUR EACH	SIX EACH
2 1/2" CALIPER TREE	1.0 GPH	SIX EACH	EIGHT EACH
3" CALIPER TREE	1.0 GPH	EIGHT EACH	TEN EACH
3 1/2" CALIPER TREE	1.0 GPH	NINE EACH	ELEVEN EACH
4" CALIPER TREE	1.0 GPH	TEN EACH	TWELVE EACH
6 FT. CONIFEROUS TREE	1.0 GPH	FOUR EACH	SIX EACH
8 FT. CONIFEROUS TREE	1.0 GPH	SIX EACH	NINE EACH
10 FT. CONIFEROUS TREE	1.0 GPH	EIGHT EACH	TWELVE EACH
12 FT. CONIFEROUS TREE	1.0 GPH	TEN EACH	FOURTEEN EACH

- 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" AND A MAXIMUM OF 2".
 - FLUSH ALL LINES THOROUGHLY, INCLUDING EMITTER MICRO-TUBING PRIOR TO EMITTER INSTALLATION.
 - IF PLANTING ON A 4:1 SLOPE OR STEEPER, INSTALL BOTH EMITTERS ON UPHILL SIDE OF ROOT BALL.
 - EMITTERS SHALL BE SELF-FLUSHING, PRESSURE COMPENSATING-TYPE UNLESS NOTED (HYDROZONES) AND SUN EXPOSURE.
 - CONTRACTOR SHALL ENSURE HYDROZONES ARE VALVED SEPARATELY AS SHOWN ON PLAN.
 - SITE CONDITIONS MAY DICTATE THAT MULTIPLE SUN EXPOSURES ARE VALVED TOGETHER DURING THE DESIGN PROCESS. CONTRACTOR SHALL ADJUST EMITTER SCHEDULE AS FOLLOWS:
 - EMITTER QUANTITIES SHALL REMAIN THE SAME BUT EMITTER GALLONAGES SHALL BE DOUBLED FOR PLANTS WITH SOUTH AND WEST EXPOSURES.
 - EMITTER QUANTITIES AND GALLONAGE SHALL BE AS SHOWN IN SCHEDULE FOR PLANTS WITH NORTH AND EAST EXPOSURES.
 - PLANTINGS WITH NORTH AND EAST EXPOSURE SHALL DICTATE VALVE RUN-TIMES AND CONTRACTOR SHALL ADJUST SCHEDULING ACCORDINGLY.

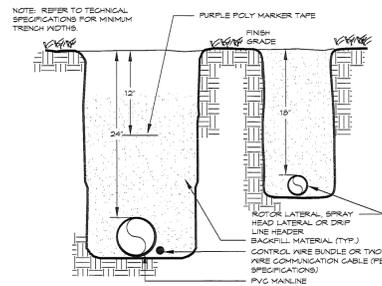
DRIP EMITTER
BELOW GRADE

15



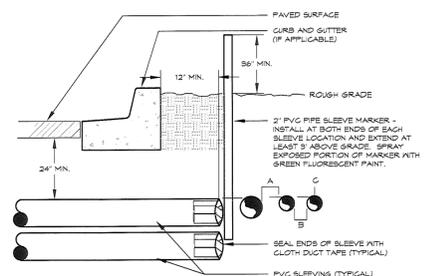
DRIP FLUSH VALVE
WITH OPERATIONAL INDICATOR

16



TRENCH

17



IRRIGATION SLEEVING

18

- NOTE:
- ALL SLEEVE MATERIAL PER IRRIGATION SCHEDULE, SIZE AS NOTED ON PLAN.
 - INSTALL SLEEVES IN SIDE-BY-SIDE CONFIGURATION WHERE MULTIPLE SLEEVES ARE TO BE INSTALLED. SPACE SLEEVES 4" TO 6" APART. DO NOT STACK SLEEVES VERTICALLY.
 - CONTRACTOR TO COORDINATE WITH PLATWORK INSTALLER TO BRAND A "V" IN SIDEWALK OR CURB AT BOTH ENDS OF SLEEVE CROSSING.

REFER TO SHEET

39	IRRIGATION NOTES & SCHEDULE
40	OVERALL IRRIGATION PLAN
41 - 42	IRRIGATION DETAILS
43	IRRIGATION DESIGN INTENT PLAN



Know what's below.
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 CALL 3 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE, OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

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 303-980-5327
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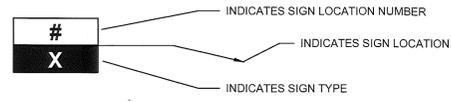
DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK	
BAREFOOT LAKES	
IRRIGATION DETAILS	
Name of application:	BAREFOOT LAKES REGIONAL PARK FILING NO. 1
Type:	FDP
Filing #:	1
First Submittal:	9.29.2016
Revision 1:	2.17.2017
Revision 2:	5.19.2017
Revision 3:	9.11.2017
Sheet	42 of 45

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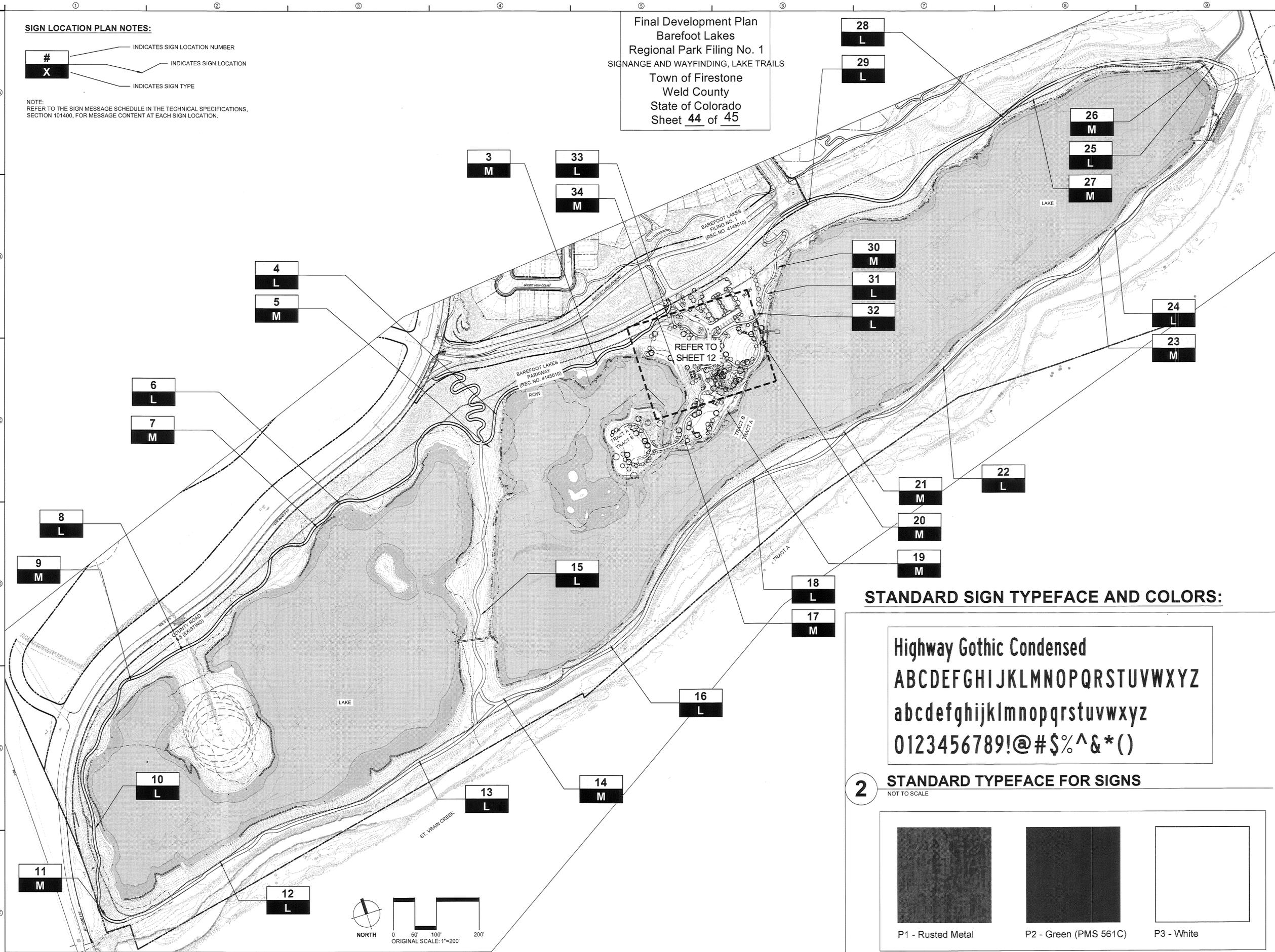
4375618 12 Pages 44 of 45
 Sep 12, 2017 2:13pm
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SIGN LOCATION PLAN NOTES:



NOTE:
 REFER TO THE SIGN MESSAGE SCHEDULE IN THE TECHNICAL SPECIFICATIONS,
 SECTION 101400, FOR MESSAGE CONTENT AT EACH SIGN LOCATION.

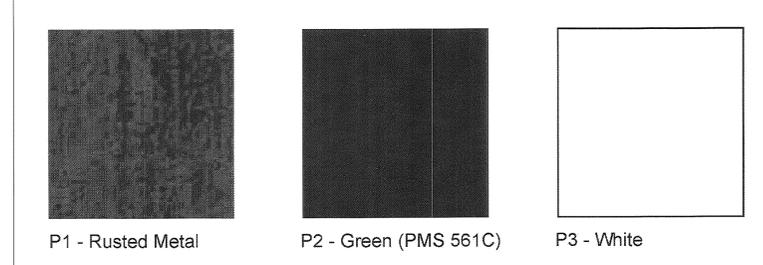
Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 SIGNANGE AND WAYFINDING, LAKE TRAILS
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 44 of 45



STANDARD SIGN TYPEFACE AND COLORS:

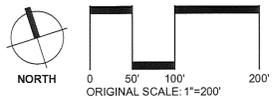
Highway Gothic Condensed
 ABCDEFGHIJKLMNOPQRSTUVWXYZ
 abcdefghijklmnopqrstuvwxyz
 0123456789!@#\$%^&*()

2 STANDARD TYPEFACE FOR SIGNS
 NOT TO SCALE



3 STANDARD COLOR PALETTE
 NOT TO SCALE

1 LAKE TRAILS PLAN
 1" = 200'-0"

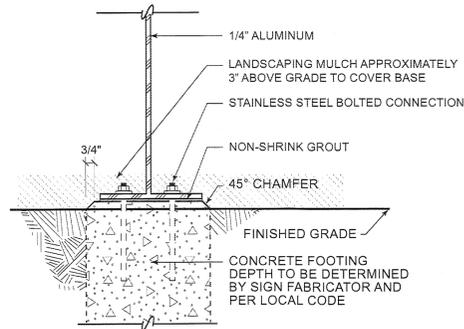
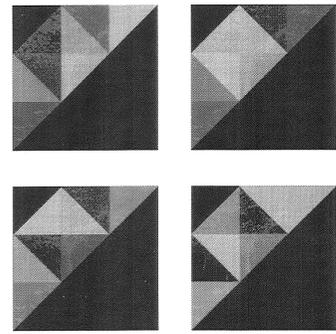
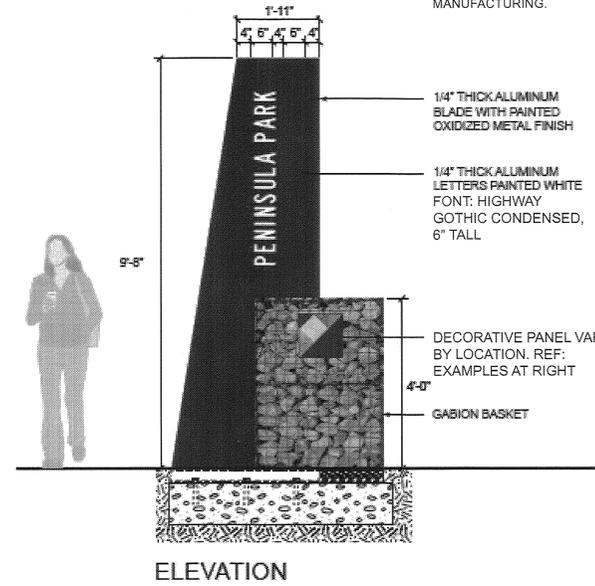


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**FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1**
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311	
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BAREFOOT LAKES	
SIGNANGE AND WAYFINDING, LAKE TRAILS	
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Sheet	44 of 45

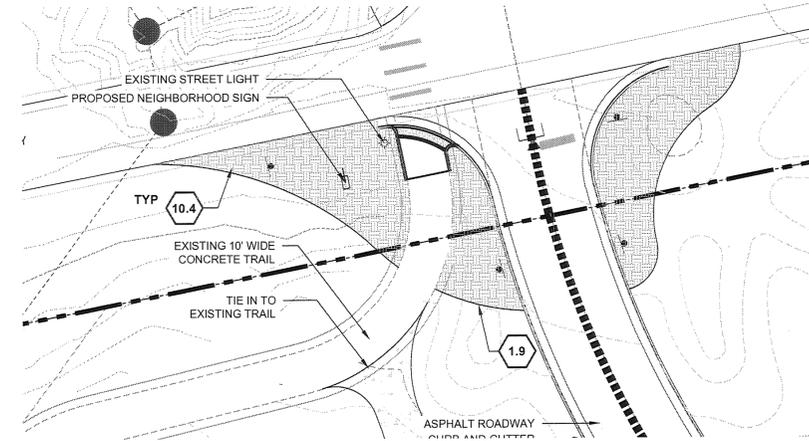
NOTE: DRAWING IS DESIGN INTENT. SIGN MAY VARY SLIGHTLY DUE TO TECHNICAL CHANGES DURING MANUFACTURING.



Final Development Plan
 Barefoot Lakes
 Regional Park Filing No. 1
 Signage and Wayfinding Detail
 Town of Firestone
 Weld County
 State of Colorado
 Sheet 45 of 45

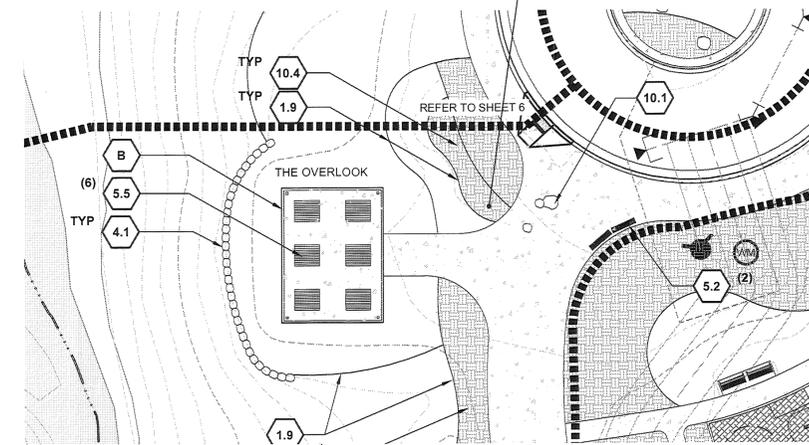
NOTE:

REFER TO SHEET 11 FOR REGULATORY SIGN LOCATIONS, AND SHEETS 13-14 FOR REGULATORY SIGN DETAILS.



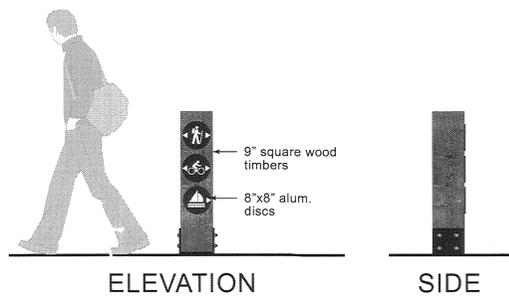
4 LOCATION PLAN ENLARGEMENT
 SCALE: 1" = 20'-0"

PARK RULES SIGN
 SIGN TYPE M
 THE TOWN WILL PROVIDE LANGUAGE FOR THE SIGN PRIOR TO FABRICATION.

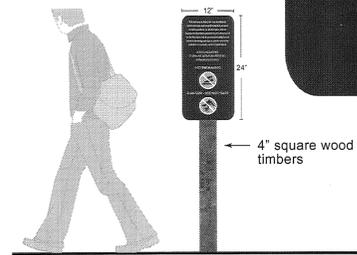
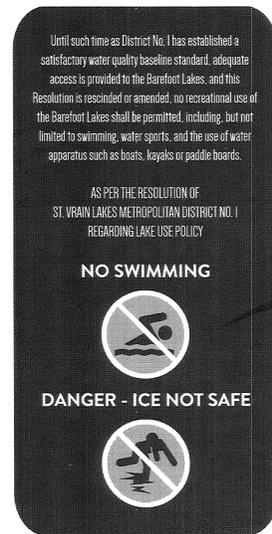


5 LOCATION PLAN ENLARGEMENT
 SCALE: 1" = 20'-0"

1 SIGNTYPE E - NEIGHBORHOOD IDENTITY AND AMENITY SIGNS
 SCALE: 1/2" = 1'-0"



2 SIGNTYPE L - TRAIL SIGNS
 SCALE: 1/2" = 1'-0"



3 SIGN TYPE M - RULES
 SCALE: 1" = 20'-0"

NOTE: TEXT COPY SUBJECT TO CHANGE.

FINAL DEVELOPMENT PLAN
 BAREFOOT LAKES
 REGIONAL PARK FILING NO. 1
 TOWN OF FIRESTONE
 WELD COUNTY, STATE OF COLORADO

DW PROJECT NUMBER: 5311

FIRESTONE INFORMATION BLOCK

BAREFOOT LAKES

SIGNAGE AND WAYFINDING DETAILS

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