

CREEKSIDE SOUTH AT LORSON RANCH FILING 1

Final Plat SF-20-XXX

Vicinity Map:



017

under drains? water
at 12-feet after 5 days
of open hole....before
grading has
occured....

Summary of Comments on Microsoft Word - Creekside South Final Plat Letter of Intent.6.22.2020

Page: 1

Author: dsdparsons Subject: Callout Date: 8/19/2020 11:35:56 AM

under drains? water at 12-feet after 5 days of open hole....before grading has occurred....

Author: RSchindler Subject: Sticky Note Date: 9/8/2020 2:37:13 PM
this site has underdrains

Author: dsdrice Subject: Cloud+ Date: 8/13/2020 1:32:44 PM

017

Developer/ Owner:

Lorson LLC Nominee for Heidi LLC & Lorson Conservation Invest I, LLLP
212 N. Wahsatch Ave. #301
Colorado Springs, Co 80903
(719) 635-3200

Planners:

Thomas & Thomas
Planning, Urban Design, Landscape Architecture, Inc.
702 North Tejon Street
Colorado Springs, Co 80903
(719) 578-8777

Civil Engineers:

Core Engineering Group
15004 1st Avenue S.
Burnsville, MN 55306
(719) 659-7800

Site Location, Size, Zoning:

The applicant, behalf of Lorson LLC Nominee, is respectfully submitting a final plat application for the Creekside South at Lorson Ranch Filing 1 to implement the approved recorded Creekside South PUD and preliminary plan. The 64.26 acre final plat area is located within the south-central portion of Lorson Ranch between the Jimmy Camp Creek main channel and east tributary and south of Lorson Boulevard. The Creekside Final Plat implements an approved component of the phased Lorson Ranch Development and is one of the remaining parcels of land to be developed located between the main and tributary creek channels. The site is currently zoned PUD/RM (Residential Medium Density/ Acre) as illustrated on the Lorson Ranch Sketch Plan Amendment approved on April 21, 2016. The Creekside South PUD (PCD File No. PUDSP-20-1) is currently scheduled for review and approval by the Planning Commission and BOCC.

The parcels included in the final plat are currently vacant with no structures. However, as part of previous developments within Lorson Ranch grading and utility operations were completed to include construction of a large detention facility and utility main extensions. The existing detention facility and utilities shall remain and will continue to be owned and maintained by the Lorson Ranch Metropolitan District. There also exist an 100' FMIC Ditch easement and pipeline that shall remain. The proposed development will not interfere with this easement and will meet all necessary requirements.

Page: 2

Author: dsdrice	Date: 8/13/2020 1:34:15 PM
h between the Jimmy Camp Creek main channel and east tributary	
Author: RSchindler	Subject: Sticky Note Date: 9/8/2020 2:41:02 PM
location updated	
Author: dsdrice	Date: 8/13/2020 1:34:51 PM
d located between the main and tributary creek channels.	
Author: RSchindler	Subject: Sticky Note Date: 9/8/2020 2:41:10 PM
location updated	
Author: dsdparsons	Subject: Callout Date: 8/19/2020 11:49:06 AM
it was approved	
Author: RSchindler	Subject: Sticky Note Date: 9/8/2020 2:41:36 PM
added text	
Author: dsdrice	Date: 8/13/2020 1:35:29 PM
) is currently scheduled for review and approval by the Planning Commission and BOCC	
Author: RSchindler	Subject: Sticky Note Date: 9/8/2020 2:41:48 PM
changed to "approved"	
Author: dsdparsons	Subject: Callout Date: 8/19/2020 11:48:42 AM
PUD (there is no RM in the name of the zoning district)	
Author: RSchindler	Subject: Sticky Note Date: 9/8/2020 2:41:55 PM
removed text	
Author: dsdrice	Date: 8/13/2020 1:36:46 PM
There also exist an 100' FMIC Ditch easement and pipeline that shall remain	
Author: RSchindler	Subject: Sticky Note Date: 9/8/2020 2:47:56 PM
grammar corrected	
Author: dsdrice	Date: 8/13/2020 1:36:53 PM
The proposed development will not interfere with this easement and will meet all necessary requirements.	
Author: RSchindler	Subject: Sticky Note Date: 9/8/2020 2:47:40 PM
that is correct.	
Author: dsdrice	Subject: Callout Date: 8/13/2020 1:36:31 PM

2

Request & Justification:

The purpose of this application is to request approval of a final plat for the Creekside South at Lorson Ranch Filing 1 project located within Lorson Ranch. The PUD Development and Preliminary Plan identified the detailed design of the single-family detached residential lots as well the development standards for the proposed uses, the lot sizes, transportation systems, public rights-of-way, and easements necessary for the development. Pre-development site grading is requested with the PUD/preliminary plan approvals to permit grading operations to begin after approval of the PUD/ Preliminary Plan and prior to Final Plat. The approved and recorded final plat will create 200 new single-family lots on 64.26 acres at a density of 2.83 DU/ Acre. The site layout for Creekside predominately includes a minimum lot size of 45' x 85' (3,825 sq ft) with several areas containing larger lot sizes particularly along open space, Lorson Blvd, de-sacs, and along roadway knuckles. Corner lots were designed with additional lot width to accommodate both the increased corner lot setback requirements.

The site is bordered by the Jimmy Camp Creek main channel to the west, the East Tributary to the east and south, and Lorson Blvd. to the north. The existing homes and developments to the south within the Apple Ridge subdivision and Peaceful Valley Estates are buffered by the Jimmy Camp Creek East Tributary. There is no proposed access to the south into Peaceful Valley Estates nor any proposed development immediately adjacent with this application.

Lorson Blvd. has been constructed along the entire length of the project connecting proposed bridges at both the main channel to the west and the east tributary of Jimmy Camp Creek. Completion of Lorson Blvd. will also provide better connectivity and additional vehicular routes to and from the Meadows filings previously constructed north of the Creekside development. Lorson Blvd. has been designed to handle existing and proposed traffic expected to be developed within the Lorson Ranch community. A traffic impact analysis was completed and is included with this submittal.

The community is designed to provide for functioning automobile and pedestrian connectivity while also taking advantage of surrounding land uses, particularly the open space areas along the drainage ways. Within the Creekside at Lorson Ranch development, open space and community connections are planned providing easy access to the El Paso County Regional Trail along the Jimmy Camp Creek main channel as well secondary, internal trail corridors to be provided within the open space along the east tributary. The final plat will create 12.98 acres of open space which is 20.2% of the total site acreage where only 6.43 acres (10%) of open space is required within the PUD zoning district.

The project will be completed in one phase with roadways, utilities, drainage, and necessary improvements to be constructed in the most optimal and efficient manner.

As with previous Lorson Ranch developments, Creekside at Lorson Ranch will be developed and advanced per the Sixth Amended Development Agreement Lorson Ranch.

3.43 DU / acre

7 tracts for ? and 1 future development tract

adjacent to the single-family residential in the city of Fountain,

open space tract next to Apple Ridge trees
proposed post BOCC also.

increased lot size and setbacks.

Author: dsdparsons	Subject: Callout	Date: 8/19/2020 12:07:44 PM
7 tracts for ? and 1 future development tract		
Author: dsdparsons	Subject: Callout	Date: 8/19/2020 11:50:00 AM
3.43 DU / acre		
Author: dsdparsons	Subject: Callout	Date: 8/19/2020 11:50:44 AM
adjacent to the single-family residential in the city of Fountain,		
Author: dsdrice	Date: 8/13/2020 1:37:49 PM	Lorson Blvd.
Author: dsdparsons	Subject: Callout	Date: 8/19/2020 11:51:56 AM
open space tract next to Apple Ridge , trees proposed post BOCC also.		
Author: dsdrice	Date: 8/13/2020 1:39:04 PM	e Jimmy Camp Creek main channel to the west, the East Tributary to the east and south, and Lorson Blvd. to the north.
Author: dsdrice	Date: 8/13/2020 1:39:19 PM	y the Jimmy Camp Creek East Tributary
Author: dsdparsons	Subject: Callout	Date: 8/19/2020 11:52:58 AM
increased lot size and setbacks.		
Author: dsdrice	Date: 8/13/2020 1:39:41 PM	Lorson Blvd. has been constructed along the entire length of the project connecting proposed bridges at both the main channel to the west and the east tributary of Jimmy Camp Creek.
Author: dsdrice	Date: 8/13/2020 1:40:28 PM	de a
Author: dsdrice	Date: 8/13/2020 1:41:49 PM	

The 6th Amended Development agreement outlines updated access, road impact fees, and future road ROW issues with previous agreements remaining in effect.

El Paso County Final Plat Approval Criteria, 1998 El Paso County Policy Plan.:

The Creekside Filing 1 Final Plat, supporting documents, and reports are in conformance with the review and approval criteria for final plats. Findings of conformity with the Master Plan as well as findings of sufficient water quality, quantity, and dependability were made with the PUD/preliminary plan approvals. However, the following policies from the El Paso County Policy Plan have been provided with a summary analysis of each for reference:

Policy 6.1.3 Encourage new development which is contiguous and compatible with previously developed areas in terms of factors such as density, land use and access.

Creekside South at Lorson Ranch Filing 1 conforms to the approved sketch plan and Lorson Ranch Creekside South PUD / Preliminary Plan. The Creekside Final Plat is compatible with both the existing and allowed land uses found within Lorson Ranch. The submittal continues and maintains the single family detached residential housing development already found throughout Lorson Ranch which includes the Creekside Filing 1, Pioneer Landing Filings 1-3, Ponderosa at Lorson Ranch, the Meadows at Lorson Ranch, Carriage Meadows South and the recently approved Lorson Ranch East project. The new development will be in and continue the harmony of the existing surrounding character of the site and natural environment as the area has seen a significant change in character.

Five (5) lots along the southern development boundary are 2.5 acres with 100' no build setbacks and buffer against the rural density lots (5-acre lots) within the Peaceful Valley Lake Estates Subdivision as required by previous BOCC approvals of the overall urban densities in Lorson Ranch. A neighborhood meeting was held to discuss proposed densities and neighbors in the Peaceful Valley Lake Estates Subdivision were supportive of rural density (2.5 acre) lots at the southern Lorson Ranch boundary. (See vicinity map for location details). The 100' setback is reflected on the approved Lorson Ranch Sketch Plan.

Policy 6.1.6 Direct development toward areas where the necessary urban-level supporting facilities and services are available or will be developed concurrently.

The plat is within the overall Lorson Ranch development for which utility and infrastructure improvements have been provided to meet existing and planned development needs. Additional extensions of these facilities will be provided with the development of this final plat area. The proposed density and lot sizes are similar and compatible to existing residential development within Lorson Ranch. The proposed facilities and public services can support the proposed housing units as these services were designed, planned, and constructed to accommodate proposed densities.

Policy 6.1.8 Encourage incorporating buffers or transitions between areas of varying use or density where possible.

Buffers are provided per the PUD/Preliminary Plan as well as additional areas of open space and transitions to the south and north. To the west the Jimmy Camp Creek East Tributary creates a natural amenity and buffer between Lorson Ranch neighborhoods.

Page: 4

Author: dsdrice Date: 8/13/2020 1:42:03 PM
ide F

Author: dsdparsons Subject: Callout Date: 8/19/2020 11:57:21 AM
Water Master Plan (grab some language from PUDSP staff report and add)

Author: RSchindler Subject: Sticky Note Date: 9/8/2020 3:57:08 PM
added language

Water Master Plan
(grab some language
from PUDSP staff
report and add)

Address large lots?

School District:

Lorson Ranch is within the Widefield School District #3 and is subject to the provisions of the amended School Site Dedication Agreement recorded at Reception No. 21202170.

Total Number of Residential Units, Density, and Lot Sizes: 200 Single-Family Detached Residential Units for a density of 2.83 DU/ Acre. The site layout for Lorson Ranch East includes minimum lot sizes of 45' x 85' (3,825 SF). Corner lots were designed with additional lot width to accommodate both the increased corner lot setback requirements and potential three-car garage housing types.

Total Number of Industrial or Commercial Sites:

There are no industrial or commercial sites proposed with this project.

Phasing Plan and Schedule of Development:

The Creekside South at Lorson Ranch Filing 1 project will be developed in one phase with the overall grading and utilities for the entire development occurring in one phase as well.

There are existing easements including the FMIC Ditch that shall remain. Any existing watermain/sanitary sewer easements will be vacated as necessary and new easements will be dedicated.

by separate
easement? before
recording plat?

Approximate Acres and Percent of Land Set Aside for Open Space:

12.901 acres of open space which is 20.3% of the total site acreage where only 6.43 acres (10%) of open space is required within the PUD zoning district.

The PUD and Preliminary Plan were approved with 12.901 acres of open space which is 20.2% of the total site acreage. The final plat will implement the creation of these open space tracts in conformance with the approved PUD/preliminary plan. Much of the proposed open space will be contiguous open space along the Jimmy Camp East Tributary along the northern and western areas of the development. Per the EPCLDC PUD requirements, the minimum amount of required open space is 10% of the project or 6.43 acres. Of this, 20.% or 1.29 acres must be contiguous and usable. 6.99 acres (54%) is useable in the form of a park located in Tract G (1.37 acres) and walking trails located in Tract F (5.62 acres). The final plat will create ample open space acreage of which nearly all is contiguous. The total open space is part of the cumulative open space of the overall Lorson Ranch development in accordance with the Lorson Ranch Sketch Plan Minor Amendment and the Lorson Ranch Overall PUD Development and Phasing Plan, as amended.

are the park credits?
what are they if so?

maintenance and
ownership by?

Author: dsdrice Subject: Callout Date: 8/13/2020 1:42:53 PM

Address large lots?

Author: RSchindler Subject: Sticky Note Date: 9/8/2020 3:58:53 PM
added larger lots

Author: dsdparsons Subject: Callout Date: 9/8/2020 4:01:53 PM
by separate easement? before recording plat?

Author: RSchindler Subject: Sticky Note Date: 9/8/2020 4:02:03 PM
yes

Author: dsdparsons Subject: Callout Date: 8/19/2020 11:57:54 AM
maintenance and ownership by?

Author: dsdparsons Subject: Callout Date: 8/19/2020 11:56:47 AM
are the park credits? what are they if so?

Author: RSchindler Subject: Sticky Note Date: 9/8/2020 5:01:14 PM
yes. park fees included

Traffic Engineering:

Creekside at Lorson Ranch Filing 1 finalized construction of Lorson Blvd. from the Jimmy Camp Creek main channel to the bridge crossing the east tributary into the recently approved Lorson Ranch East development. This roadway is a planned continuous roadway that extends from Marksheffel Rd from the far southwestern corner of Lorson Ranch and crosses both the Jimmy Camp Creek main channel and the east tributary. As part of the continued development within Lorson Ranch, the planned bridge that crosses the main channel of Jimmy Camp Creek connecting Carriage Meadows with this project is completed. As part of the recently approved Lorson Ranch East project, there are two planned bridges via Fontaine Blvd. and Lorson Blvd. that with both cross the Jimmy Camp Creek East Tributary. These two bridges are also. Lorson Blvd. is designed as an 80' Right-of-Way residential collector within this portion Lorson Ranch. There are two points of access being provided from Trappe Drive into the development via local residential roadways. There will be no direct lot access to any collector roadways. There are no traffic related deviations being requested at this time.

(being constructed with LRE Filing 4)

Proposed Services

1. Water/ Wastewater: Widefield Water and Sanitation District
2. Gas: Black Hills Energy
3. Electric: Mountain View Electric
4. Fire: Security Fire Protection District
5. School: Widefield District #3
6. Roads: El Paso County Road and Bridge
7. Police Protection: El Paso County Sheriff's Department

Creekside South

Describe which tracts the floodplain is in and state that it's not in lots

Floodplain: Portions of this property are located within a designated FEMA floodplain as determined by the flood insurance rate map, community map number '08041C0975G', effective date 'December 7, 2018'.

The Jimmy Camp Creek East Tributary is to be dedicated to, owned and maintained by the Lorson Ranch Metropolitan District No. 1. Jimmy Camp Creek East Tributary channel improvements to be completed by the developer/ owner as required.

- ❑ **EXISTING AND PROPOSED FACILITIES, STRUCTURES, ROADS, ETC.** Existing facilities consist of existing sanitary sewer, storm sewer, and watermain in Trappe Drive. Proposed facilities consist of local residential roads, watermain, sanitary sewer, storm sewer, electric, gas, telecommunications. The existing detention/WQ pond (Pond E1) and one new detention/WQ pond (Pond J) will serve this site. The East Tributary of Jimmy Camp Creek is located on the north side of this plat and is required to be stabilized from the south property line north to the tie into the previously stabilized portions on the east side of the site. The East Tributary will be stabilized with this plat per construction drawings prepared by Kiowa Engineering for this section of creek. The creek improvements do not require a CLOMR and are covered in the existing ACCE permit for the East Tributary for work in the floodplain. All proposed facilities will be in accordance with El Paso County design standards

Creekside Filing 1

north

Page: 6

Author: dsdrice	Date: 8/13/2020 1:56:17 PM
Author: RSchindler	Subject: Sticky Note
changed bunch of text.	Date: 9/8/2020 5:01:33 PM
Author: dsdrice	Date: 8/13/2020 1:56:09 PM
These two bridges are also.	
Author: RSchindler	Subject: Sticky Note
changed bunch of text	Date: 9/8/2020 5:01:47 PM
Author: dsdrice	Subject: Callout
(being constructed with LRE Filing 4)	Date: 8/13/2020 1:57:31 PM
Author: RSchindler	Subject: Sticky Note
added LRE4	Date: 9/8/2020 5:01:55 PM
Author: dsdrice	Subject: Callout
Creekside South	Date: 8/13/2020 1:57:04 PM
Author: RSchindler	Subject: Sticky Note
text added	Date: 9/8/2020 5:10:43 PM
Author: dsdrice	Subject: Callout
Describe which tracts the floodplain is in and state that it's not in lots.	Date: 8/13/2020 3:39:10 PM
Author: RSchindler	Subject: Sticky Note
located in tracts	Date: 9/8/2020 5:11:00 PM
Author: dsdrice	Date: 8/13/2020 3:40:40 PM
this plat	
Author: dsdrice	Subject: Callout
north	Date: 8/13/2020 3:40:30 PM
Author: RSchindler	Subject: Sticky Note
added	Date: 9/8/2020 5:12:47 PM
Author: dsdrice	Subject: Callout
Creekside Filing 1	Date: 8/13/2020 3:40:25 PM
Author: RSchindler	Subject: Sticky Note
added	Date: 9/8/2020 5:12:51 PM

which includes previously approved modifications. Existing utility easements encroaching into proposed ROW dedication will be required to vacate those encroached portions of the easement prior to recordation of the plat.

- ❑ **WAIVER REQUESTS (IF APPLICABLE) AND JUSTIFICATION:** No waivers requested
- ❑ **NUMBER OF INDUSTRIAL OR COMMERCIAL SITES PROPOSED:** None.
- ❑ **APPROXIMATE FLOOR AREA RATIO OF INDUSTRIAL AND/OR COMMERCIAL USES:** None.
- ❑ **NUMBER OF MOBILE HOME UNITS AND DENSITIES:** None.
- ❑ **TYPE OF PROPOSED RECREATIONAL FACILITIES:** Public sidewalks for general pedestrian circulation and access to open spaces and trails will be constructed along all interior roads. All open space tracts will be maintained by the Lorson Ranch Metropolitan District 4.
- ❑ **IF PHASED CONSTRUCTION IS PROPOSED, HOW WILL IT BE PHASED?** This plat will be for the entire Creekside South at Lorson Ranch Filing No. 1
- ❑ **HOW WATER AND SEWER WILL BE PROVIDED?** Water and sanitation will be provided through the Widefield Water & Sanitation District. A passive underdrain system is proposed and will be owned/maintained by the Lorson Ranch Metro District.
- ❑ **PROPOSED USES, RELATIONSHIP BETWEEN USES AND DENSITIES:** The proposed use is Residential Single Family with associated accessory and appurtenant uses.
- ❑ **TRAFFIC IMPACT FEE:** This final plat for Lorson Ranch will be included in the El Paso County PID No. 2 and will pay the associated fee at the time of building permits for each residential lot in the final plat.
- ❑ **MAILBOX LOCATION:** Creekside South at Lorson Ranch Filing No. 1 will utilize several centralized location (cluster) for mailboxes which is shown on the construction drawings and final plat. The mailbox clusters will be located within the street ROW.
- ❑ **SCHOOL SITE DEDICATION:** Dedication of a school site was completed as part of the Pioneer Landing at Lorson Ranch Filing No. 2 Final Plat which satisfied the school dedication requirement for final plats within Lorson Ranch and in accordance with the recorded Lorson Ranch School Land Bank Agreement. In recent months, Widefield School District 3 has completed an updated school site plan and modified the school site boundary slightly to fit the new site plan. Lorson Ranch East Filing No. 1 plat adjusted the previously platted school site to accommodate school site plan changes and ROW requirements for the roundabout at Fontaine/Lamprey. The modified school site is a 25.11-acre site (Tract J) located East of the East Tributary of Jimmy Camp Creek.

park with equipment?

have you applied for PID Inclusion with Lori?

and easements

delete highlighted area - the school is operational

Page: 7

Author: dsdparsons	Subject: Callout	Date: 8/19/2020 11:58:43 AM
park with equipment?		
Author: dsdrice	Date: 8/13/2020 3:42:40 PM	
r		
Author: dsdparsons	Subject: Callout	Date: 8/19/2020 11:59:12 AM
have you applied for PID Inclusion with Lori?		
Author: RSchindler	Subject: Sticky Note	Date: 9/8/2020 5:13:20 PM
yes. Lori is processing		
Author: dsdrice	Subject: Callout	Date: 8/13/2020 7:37:27 PM
and easements		
Author: RSchindler	Subject: Sticky Note	Date: 9/8/2020 5:15:16 PM
added		
Author: dsdrice	Date: 8/13/2020 3:43:18 PM	
In recent months, Widefield School District 3 has completed an updated school site plan and modified the school site boundary slightly to fit the new site plan		
Author: RSchindler	Subject: Sticky Note	Date: 9/8/2020 5:15:22 PM
text updated		
Author: dsdparsons	Subject: Callout	Date: 8/19/2020 12:00:12 PM
delete highlighted area - the school is operational		
Author: RSchindler	Subject: Sticky Note	Date: 9/8/2020 5:15:31 PM
text deleted		

**CREEKSIDE SOUTH AT LORSON RANCH
FILING NO. 1**

~~SF-20-00X~~

See comment letter also.

Lorson, LLC
212 N. Wahsatch Ave, Suite 301
Colorado Springs, Colorado 80903
(719) 635-3200

Core Engineering Group, LLC
15004 1ST Avenue South
Burnsville, MN 55306
(719) 570-1100



CORE
ENGINEERING GROUP

Page: 1

Author: ddrice Subject: Cloud+ Date: 8/13/2020 7:43:53 PM

Author: Richardler Subject: Sticky Note Date: 9/2/2020 8:51:49 AM
added

Detention Pond J (Full Spectrum Design)

This is an on-site permanent full spectrum extended detention pond that includes water quality and discharges directly into the East Tributary. Pond J is designed using the UDCF Full Spectrum spreadsheets. The outlet structure is a standard full spectrum sloped outlet structure and the overflow spillway is a concrete weir set above the outlet structure designed by the full spectrum spreadsheets to match pre-developed rates. The full spectrum print outs are in the appendix of this report. See map in appendix for watershed areas.

- Watershed Area: 54 acres including offsite 5-acre rural residential lots
- Watershed Imperviousness: 26%
- Hydrologic Soils Group B (90%), C/D (10%)
- Forebay: 0.024ac-ft, 24" depth, 3rd concrete forebay
- Zone 1 WQCV: 0.575ac-ft, WSEL: 5684.13, 0.3cfs
- Zone 2 EURV: 1.272ac-ft, WSEL: 5685.10, Top EURV wall set at 5685.37, 6"x6" outlet with 6:1 slope, 1.1cfs
- (5-yr): 1.442ac-ft, WSEL: 5685.31, 1.2cfs
- Zone 3 (100-yr): 3.943ac-ft, WSEL: 5687.87, 55.5cfs
- Pipe Outlet: 36" RCP at 0.5% with restrictor plate up 25"
- Overflow Spillway: 25' wide bottom, elevation=5687.77, 4:1 side slopes, flow depth=1.2'
- Pre-development release rate into creek compliance from full spectrum pond spreadsheets
- Pond Bottom Elevation: 5681.67

Water Quality Design

Water quality will be provided by two permanent extended detention basins (Pond E2, J) for all of the developed areas of this site.

7.0 DRAINAGE AND BRIDGE FEES

Creekside South at Lorson Ranch is located within the Jimmy Camp Creek drainage basin which is currently a fee basin in El Paso County. Current El Paso County regulations require drainage and bridge fees to be paid for platting of land as part of the plat recordation process. Lorson Ranch Metro District will be constructing the major drainage infrastructure as part of the district improvements.

Lorson Ranch Metro District will comply and submit to the county on a yearly basis the drainage and bridge fees for the approved plats, and shall show all credits they have received for the same yearly time frame.

Creekside South at Lorson Ranch Filing No. 1 contains 64,257 acres. This project consists of 13,037 acres of open space (2% impervious), 30,458 acres residential (57% impervious based on 4600sf lots), 14,753 acres of large lots (0% impervious). Tract A (8,008 acres) will be a future development tract will defer fees until it is platted into lots. The 2020 drainage fees are \$79,084, bridge fees are \$893 and Drainage Surety fees are \$7,285 per impervious acre per Residgen 18-470. The drainage and bridge fees are calculated when the final plat is submitted. The fees per due at plat recordation. The following table details the drainage fees for the platted area. Lorson Ranch intends to use the Drainage Fee Pre-credits, for the surety, drainage fee, and the bridge fee credits for the bridge fee.

Table 1: Drainage/Bridge Fees

Type of Land Use	Total Area (ac)	Imperviousness	Drainage Fee	Bridge Fee	Surety Fee
Residential Area	30,458	57%	\$331,318	\$15,503	\$128,995

/194 lots = 6839 sf/lot

If extrapolated from values in ECM L Table 3-1, ~51%?

Page: 21

Author: dphila Subject: Caltrans Date: 8/14/2020 10:54:46 PM

If extrapolated from values in ECM L Table 3-1, ~51%?

Author: RSchneider Subject: Sticky Note Date: 9/8/2020 2:13:30 PM

Area changed

Author: dphila Subject: Caltrans Date: 8/14/2020 10:55:15 PM

194 lots = 6839 sf/lot

Per ECM Appendix L 11%, however per 3.10.2a Fee Reductions for Low Density Lots
=> 8.25% for drainage fee; still 11% for bridge fee. PUD allows typical rural uses.

Large Lots	14.753	5%	\$14,077	\$658	\$5,373
Open Space, Landscape Tracts	13.037	2%	\$4,975	\$232	\$1,899
Total			\$350,370	\$16,393	\$133,747

Table 7.1: Public Drainage Facility Costs (non-reimbursable)

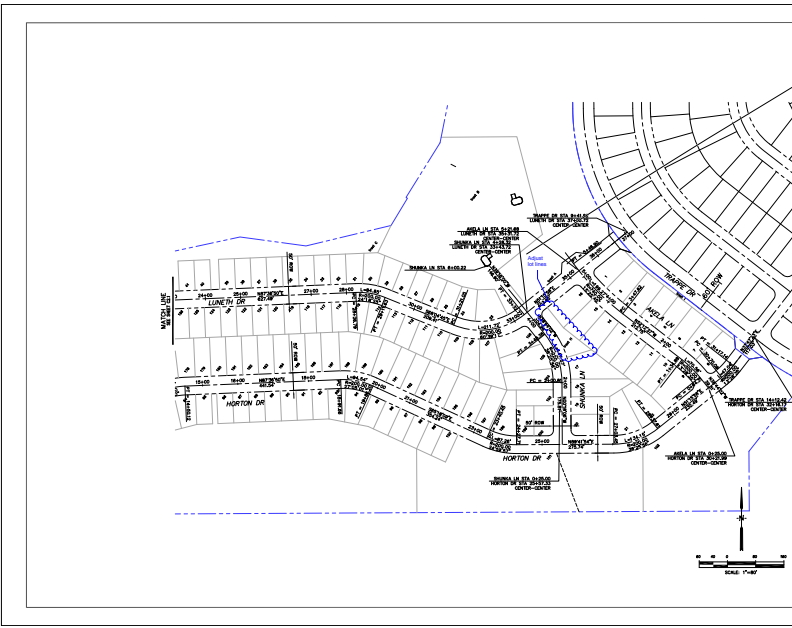
Item	Quantity	Unit	Unit Cost	Item Total
Rip Rap	200	CY	\$50/CY	\$10,000
Manholes	11	EA	\$3000/EA	\$33,000
Inlets	12	EA	\$3,000	\$36,000
18" Storm	54	LF	\$35	\$1,890
24" Storm	760	LF	\$40	\$30,400
30" Storm	775	LF	\$45	\$34,875
36" Storm	560	EA	\$50	\$28,000
42" Storm	29	EA	\$55	\$1,595
48" Storm	202	EA	\$60	\$12,120
24" FES	1	EA	\$250	\$250
36" FES	1	EA	\$300	\$300
			Subtotal	\$188,430
			Eng/Cont (15%)	\$28,264
			Total Est. Cost	\$216,694

Table 7.2: Lorson Ranch Metro District Drainage Facility Costs (non-reimbursable)

Item	Quantity	Unit	Unit Cost	Item Total
Full Spectrum Ponds and Outlet	2	LS	\$100,000	\$100,000
			Subtotal	\$100,000
			Eng/Cont (15%)	\$15,000
			Total Est. Cost	\$115,000

5.0 FOUR STEP PROCESS

The site has been developed to minimize wherever possible the rate of developed runoff that will leave the site and to provide water quality management for the runoff produced by the site as proposed on



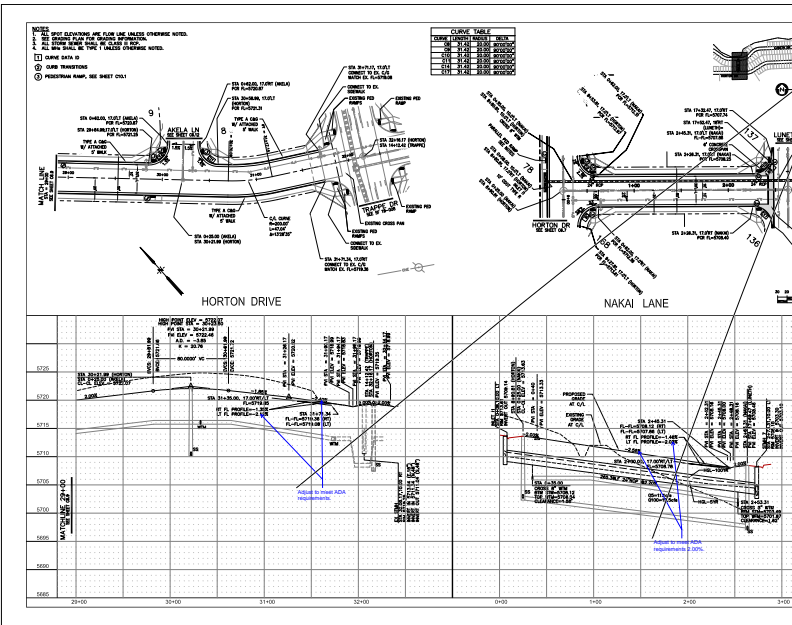
Page: 5

Author: daniel Subject: Clouds Date: 8/14/2020 1:15:50 PM

Adjust for lines

Author: Eschneider Subject: Sticky Note Date: 9/8/2020 9:03:33 AM

City limits adjusted



Page: 17

Author: dshirra Subject: Caltrans Date: 8/14/2020 1:48:33 PM

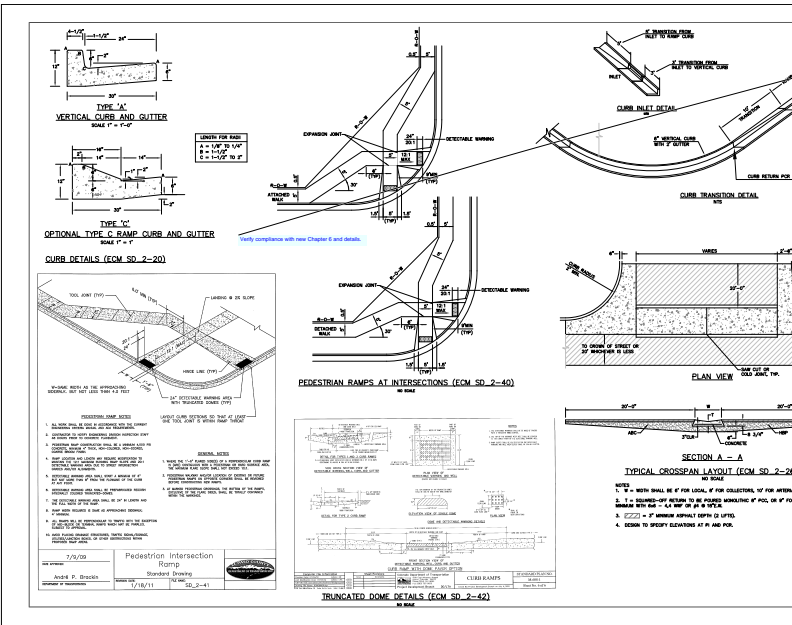
Adjust to meet ADA requirements.

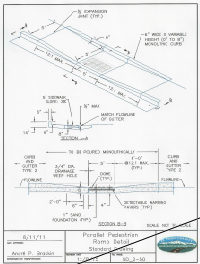
Author: dshirra Subject: Caltrans Date: 8/14/2020 1:48:33 PM

Adjust to meet ADA requirements 2.00%

Author: dshirra Subject: Caltrans Date: 8/14/2020 1:48:33 PM

Adjust to meet ADA requirements





Verify compliance with new Chapter 6 and details.

Page: 24

Author: shobha Subject: Test Box Date: 8/24/2020 1:55:47 PM

Verify compliance with new Chapter 6 and details.

Author: KSchneider Subject: Sticky Note Date: 9/8/2020 1:35:09 PM

DETAILS UPDATED