



**DEVIATION REQUEST** (Attach diagrams, figures, and other documentation to clarify request)

A deviation from the standards of or in Section **ECM section 2.3.2 Design Standards** of the Engineering Criteria Manual (ECM) is requested for the Homestead North Intersection Spacing.

Identify the specific ECM standard which a deviation is requested:

Per Table 2.7, Urban Local Intersection spacing requirement of 175 feet for an Urban Local street and 150 feet for an Urban Local Low Volume street.

State the reason for the requested deviation:

The intersection spacing along Wheatland Drive between Perry Owens Dr. and Robert Allison Cir. is 129.1 feet .

Explain the proposed alternative and compare to the ECM standards (May provide applicable regional or national standards used as basis):

See Exhibit A for a sketch of the preliminary plan and intersection spacing.

Robert Allison Circle is a short Cul-de-sac serving 5 lots. Robert Allison Circle was placed in this align to provide an effect lot layout that is harmonious to the topography and nearby creek.

Robert Allison Circle and Wheatland Drive north of Robert Allison Circle is classified as a "Local Low Volume" roadway.

The TIS study prepared by LSC reflects this alignment and notes no concerns with the intersection spacing given the low ADT volumes in the area.

**LIMITS OF CONSIDERATION**

(At least one of the conditions listed below must be met for this deviation request to be considered.)

- The ECM standard is inapplicable to the particular situation.
- Topography, right-of-way, or other geographical conditions or impediments impose an undue hardship and an equivalent alternative that can accomplish the same design objective is available and does not compromise public safety or accessibility.
- A change to a standard is required to address a specific design or construction problem, and if not modified, the standard will impose an undue hardship on the applicant with little or no material benefit to the public.

Provide justification:

Robert Allison Circle is designed to drain stormwater back to Wheatland. To place the cul-de-sac farther north would change the alignment and likely force the cul-de-sac to drain towards the east and Sand Creek and would require significant storm piping to route the stormwater flows along the creek open space and into the proposed detention pond to the south. Sanitary piping would also have to be excessively deep to serve the downsloping lots on the cul-de-sac.

**CRITERIA FOR APPROVAL**

Per ECM section 5.8.7 the request for a deviation may be considered if the request is **not based exclusively on financial considerations**. The deviation must not be detrimental to public safety or surrounding property. The applicant must include supporting information demonstrating compliance with **all of the following criteria**:

The deviation will achieve the intended result with a comparable or superior design and quality of improvement.

This request is not based on financial considerations. The proposed intersection serves 5 residential lots and has a low volume of traffic.

The deviation will not adversely affect safety or operations.

The deviation will not adversely affect safety or operations.

The deviation will not adversely affect maintenance and its associated cost.

Maintenance of the El Paso County roadways will not be impacted.

The deviation will not adversely affect aesthetic appearance.

The deviation has a beneficial impact on the aesthetic appearance.

The deviation meets the design intent and purpose of the ECM standards.

Yes, the deviation meets the design intent and purpose of the ECM standards and is a balance of the various ECM standards for transportation and stormwater drainage.

The deviation meets the control measure requirements of Part I.E.3 and Part I.E.4 of the County's MS4 permit, as applicable.

Yes, the deviation meets the control measure requirements of Part I.E.3 and Part I.E.4 of the County's MS4 permit, this project is proposing Water Quality facilities as required by the criteria.

**REVIEW AND RECOMMENDATION:**

**Approved by the ECM Administrator**

This request has been determined to have met the criteria for approval. A deviation from Section \_\_\_\_\_ of the ECM is hereby granted based on the justification provided.

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**Denied by the ECM Administrator**

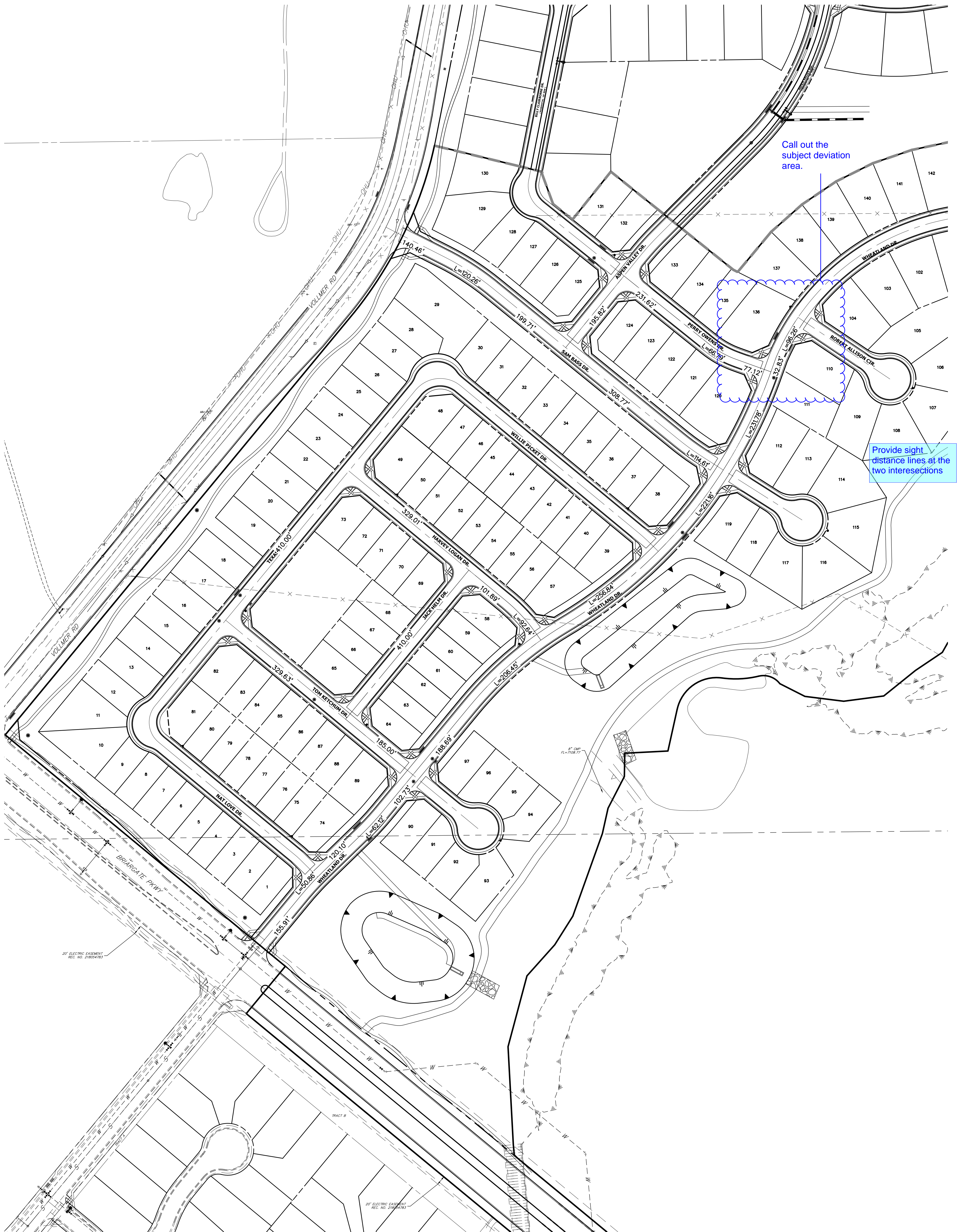
This request has been determined not to have met criteria for approval. A deviation from Section \_\_\_\_\_ of the ECM is hereby denied.

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**ECM ADMINISTRATOR COMMENTS/CONDITIONS:**

# HOMESTEAD NORTH INTERSECTION SPACING



Call out the subject deviation area.

Provide sight distance lines at the two intersections



INTERSECTION SPACING  
HOMESTEAD NORTH  
JOB NO. 25188.00  
03-02-2021  
SHEET 1 OF 1

**J-R ENGINEERING**  
A Westrian Company

Centennial 303-740-9393 • Colorado Springs 719-593-2593  
Fort Collins 970-491-9888 • www.jrengineering.com

**EXHIBIT A**

**HOMESTEAD NORTH AT STERLING RANCH  
PROPERTY DESCRIPTION**

**PROPERTY DESCRIPTION**

A PARCEL OF LAND BEING A PORTION OF SECTION 27, SECTION 28 AND SECTION 33, ALL IN TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF EL PASO, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

**BASIS OF BEARINGS:** THE EAST LINE OF SECTION 33, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN, BEING MONUMENTED BY A 3-1/4" ALUMINUM CAP STAMPED "LS 10376 2006" AT THE NORTHEAST CORNER AND BY A 2-1/2" ALUMINUM CAP STAMPED "LS 11624" AT THE SOUTHEAST CORNER, SAID LINE BEING ASSUMED TO BEAR S01°30'51"W.

COMMENCING AT THE NORTHEAST CORNER OF SECTION 33, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN;

THENCE ON THE NORTH LINE OF THE NORTHEAST QUARTER OF SAID SECTION 33, S89°29'10"W A DISTANCE OF 1,191.33 FEET, TO THE POINT OF BEGINNING;

THENCE DEPARTING SAID NORTH LINE, THE FOLLOWING SIX (6) COURSES:

1. S19°42'21"W A DISTANCE OF 184.86 FEET;
2. S32°15'45"W A DISTANCE OF 71.66 FEET;
3. S41°47'19"W A DISTANCE OF 88.37 FEET;
4. S14°57'52"W A DISTANCE OF 155.36 FEET;
5. S03°04'57"E A DISTANCE OF 208.19 FEET;
6. S05°19'07"E A DISTANCE OF 22.87 FEET;

THENCE ON 15.00 FEET SOUTHERLY OF AND PARALLEL TO THE NORTHERLY LINE OF THE 160' ACCESS AND UTILITY EASEMENT RECORDED UNDER RECEPTION NO. 214100441 IN THE RECORDS OF THE EL PASO COUNTY CLERK AND RECORDER, THE FOLLOWING THREE (3) COURSES:

1. S50°26'12"E A DISTANCE OF 725.53 FEET, TO A POINT OF CURVE;
2. ON THE ARC OF A CURVE TO THE LEFT, HAVING A RADIUS OF 1,935.00 FEET, A CENTRAL ANGLE OF 26°05'19" AND AN ARC LENGTH OF 881.07 FEET, TO A POINT OF TANGENT;
3. S76°31'31"E A DISTANCE OF 347.57 FEET, TO A POINT ON THE EASTERLY LINE OF THE 80' ACCESS AND UTILITY EASEMENT RECORDED UNDER RECEPTION NO 214100441 IN THE RECORDS OF THE EL PASO COUNTY CLERK AND RECORDER;

THENCE ON THE EASTERLY AND SOUTHERLY LINES OF SAID EASEMENT, THE FOLLOWING THREE (3) COURSES:

1. S13°28'29"W A DISTANCE OF 1,333.84 FEET, TO A POINT OF CURVE;

2. ON THE ARC OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 1,540.00 FEET, A CENTRAL ANGLE OF 62°50'51" AND AN ARC LENGTH OF 1,689.22 FEET, TO A POINT OF;
3. S76°19'20"W A DISTANCE OF 2,208.31 FEET;

THENCE DEPARTING SAID SOUTHERLY EASEMENT LINE, N13°40'40"W A DISTANCE OF 80.00 FEET, TO A POINT ON THE SOUTHERLY LINE OF STERLING RANCH FILING NO. 1 RECORDED UNDER RECEPTION NO. 218714151 AND A POINT ON THE NORTHERLY LINE OF SAID 80' ACCESS AND UTILITY EASEMENT;

THENCE ON THE NORTHERLY AND WESTERLY LINES OF SAID EASEMENT, THE FOLLOWING THREE (3) COURSES:

1. N76°19'20"E A DISTANCE OF 2,208.31 FEET, TO A POINT OF CURVE;
2. ON THE ARC OF A CURVE TO THE LEFT, HAVING A RADIUS OF 1,460.00 FEET, A CENTRAL ANGLE OF 62°50'51" AND AN ARC LENGTH OF 1,601.47 FEET, TO A POINT OF TANGENT;
3. N13°28'29"E A DISTANCE OF 1,203.84 FEET;

THENCE ON A LINE 15.00 FEET NORTHERLY OF AND PARALLEL TO THE SOUTHERLY LINE OF SAID 160' ACCESS AND UTILITY EASEMENT, THE FOLLOWING THREE (3) COURSES:

1. N76°31'31"W A DISTANCE OF 267.57 FEET, TO A POINT OF CURVE;
2. ON THE ARC OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 2,065.00 FEET, A CENTRAL ANGLE OF 26°05'19" AND AN ARC LENGTH OF 940.26 FEET, TO A POINT OF TANGENT;
3. N50°26'12"W A DISTANCE OF 1,355.04 FEET, TO THE SOUTHEASTERLY CORNER OF BRIARGATE PARKWAY AS SHOWN ON THE PLAT OF SAID STERLING RANCH FILING NO. 1;

THENCE ON THE EASTERLY AND NORTHERLY RIGHT-OF-WAY LINES OF SAID BRIARGATE PARKWAY, THE FOLLOWING TWO (2) COURSES:

1. N39°33'48"E A DISTANCE OF 130.00 FEET;
2. N50°26'12"W A DISTANCE OF 770.00 FEET;

THENCE DEPARTING SAID NORTHERLY RIGHT-OF-WAY LINE, THE FOLLOWING TWENTY (20) COURSES:

1. N39°33'48"E A DISTANCE OF 1161.81 FEET, TO A POINT OF NON-TANGENT CURVE;
2. ON THE ARC OF A CURVE TO THE LEFT WHOSE CENTER BEARS N51°21'08"W, HAVING A RADIUS OF 870.00 FEET, A CENTRAL ANGLE OF 14°22'05" AND AN ARC LENGTH OF 218.17 FEET, TO A POINT OF NON-TANGENT CURVE;
3. ON THE ARC OF A CURVE TO THE LEFT WHOSE CENTER BEARS N65°16'19"W, HAVING A RADIUS OF 814.82 FEET, A CENTRAL ANGLE OF 12°28'32" AND AN ARC LENGTH OF 177.42 FEET, TO A POINT OF NON-TANGENT;
4. S76°13'25"E A DISTANCE OF 185.19 FEET;
5. S76°20'29"E A DISTANCE OF 50.05 FEET;
6. S11°07'11"W A DISTANCE OF 3.91 FEET;
7. S20°05'15"E A DISTANCE OF 68.42 FEET;
8. S51°17'41"E A DISTANCE OF 52.77 FEET;



9. N38°42'19"E A DISTANCE OF 130.03 FEET;
10. S51°16'53"E A DISTANCE OF 128.03 FEET;
11. S51°17'40"E A DISTANCE OF 80.48 FEET;
12. S51°18'16"E A DISTANCE OF 124.15 FEET;
13. S63°15'15"E A DISTANCE OF 10.26 FEET;
14. N39°48'59"E A DISTANCE OF 110.92 FEET;
15. N48°27'49"E A DISTANCE OF 87.13 FEET;
16. N55°58'31"E A DISTANCE OF 87.13 FEET;
17. N63°35'09"E A DISTANCE OF 87.13 FEET;
18. N71°09'48"E A DISTANCE OF 87.13 FEET;
19. N78°01'26"E A DISTANCE OF 79.85 FEET;
20. N79°18'16"E A DISTANCE OF 441.05 FEET, TO A POINT ON THE WEST LINE OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SECTION 27, TOWNSHIP 12 SOUTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN;

THENCE ON SAID WEST LINE, S00°53'15"E A DISTANCE OF 220.84 FEET, TO THE NORTHWEST CORNER OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 27;

THENCE ON THE NORTH LINE OF THE SOUTHWEST QUARTER OF THE SOUTHWEST QUARTER OF SAID SECTION 27, N87°34'53"E A DISTANCE OF 73.60 FEET;

THENCE DEPARTING SAID NORTH LINE, THE FOLLOWING TWENTY-ONE (21) COURSES:

1. S04°00'08"W A DISTANCE OF 38.86 FEET;
2. S23°30'33"W A DISTANCE OF 96.02 FEET;
3. S17°58'09"W A DISTANCE OF 105.84 FEET;
4. S07°20'33"W A DISTANCE OF 248.45 FEET;
5. S27°44'47"W A DISTANCE OF 82.16 FEET;
6. S51°16'10"W A DISTANCE OF 361.44 FEET;
7. S29°35'35"W A DISTANCE OF 198.68 FEET;
8. S56°06'51"W A DISTANCE OF 68.55 FEET;
9. S51°10'06"W A DISTANCE OF 86.23 FEET;
10. S82°29'37"W A DISTANCE OF 85.63 FEET;
11. N82°52'49"W A DISTANCE OF 82.74 FEET;
12. N63°10'02"W A DISTANCE OF 59.72 FEET, TO A POINT OF NON-TANGENT CURVE;

13. ON THE ARC OF A CURVE TO THE LEFT WHOSE CENTER BEARS S52°33'19"W, HAVING A RADIUS OF 43.53 FEET, A CENTRAL ANGLE OF 66°07'59" AND AN ARC LENGTH OF 50.25 FEET, TO A POINT OF REVERSE CURVE;
14. ON THE ARC OF A CURVE TO THE RIGHT, HAVING A RADIUS OF 208.41 FEET, A CENTRAL ANGLE OF 21°27'48" AND AN ARC LENGTH OF 78.07 FEET, TO A POINT OF REVERSE CURVE;
15. ON THE ARC OF A CURVE TO THE LEFT, HAVING A RADIUS OF 85.46 FEET, A CENTRAL ANGLE OF 85°24'40" AND AN ARC LENGTH OF 127.39 FEET, TO A POINT OF TANGENT;
16. S12°28'27"W A DISTANCE OF 90.70 FEET;
17. S87°04'53"W A DISTANCE OF 91.55 FEET;
18. S01°04'54"W A DISTANCE OF 49.42 FEET;
19. S27°12'58"W A DISTANCE OF 75.48 FEET;
20. S12°38'34"W A DISTANCE OF 55.41 FEET;
21. S19°42'21"W A DISTANCE OF 0.70 FEET, TO THE POINT OF BEGINNING.

CONTAINING A CALCULATED AREA OF 3,385,206 SQUARE FEET OR 77.7136 ACRES.

EXHIBIT ATTACHED AND BY THIS REFERENCE MADE A PART HEREOF.

**PROPERTY DESCRIPTION STATEMENT**

I, JARROD ADAMS, A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF COLORADO, DO HEREBY STATE THAT THE ABOVE PROPERTY DESCRIPTION AND ATTACHED EXHIBIT WERE PREPARED UNDER MY RESPONSIBLE CHARGE, AND ON THE BASIS OF MY KNOWLEDGE, INFORMATION AND BELIEF, ARE CORRECT.

JARROD ADAMS, PROFESSIONAL LAND SURVEYOR  
COLORADO NO. 38252  
FOR AND ON BEHALF OF JR ENGINEERING, LLC

