



INNOVATIVE DESIGN. CLASSIC RESULTS.

**WASTEWATER DISPOSAL REPORT
FOR
RISING MOON FILING NO. 1**

EPC Parcel – Tax ID #: 55031-01-010

JUNE 2024

Prepared By:

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Job No. 2506.03



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1.0 INTRODUCTION AND EXECUTIVE SUMMARY

The purpose of this report is to address the specific wastewater loads for the Rising Moon Filing No. 1 property located at Parcel #55031-01-010 in El Paso County, CO. As defined on the “Preliminary Plan for Rising Moon Filing No.1”, 41 single family residential lots are proposed on the 9.00-acre parcel. See Appendix A Exhibit.

EXECUTIVE SUMMARY: The proposed residential development has adequate wastewater service to support the water demands and wastewater production produced by the proposed 41 lots.

2.0 WASTEWATER REPORT

2.1 Wastewater Loads

A breakdown of projected wastewater loads is summarized in Table 2-1.

Table 2-1: Summary of Expected Wastewater Loads

Wastewater				
# of Residential Lots	Persons per lot*	Total population	Average Daily Wastewater Generation (per residence)	Average Daily Max Month Flows (GPD)
41	2.5	103	162.5	6,663

2.2 Current Wastewater System Capacity

Wastewater conveyance and treatment is as defined in the “Sewage Treatment and Disposal Agreement between the lower Fountain Metropolitan Sewage Disposal District and the Colorado Centre Metropolitan District.” The addition of the 49 residential lots will account for a very small percentage of the total permitted hydraulic capacity of the receiving wastewater treatment plant.

2.3 Future Wastewater System Capacity

As the proposed residential community is an “in-fill” parcel (previously anticipated to be an elementary school site), no immediate area future use of the adjacent sanitary sewer system is anticipated beyond that proposed.

2.4 Necessary Improvements to Provide Service

With the addition of the proposed 41 residential lots, 8” wastewater main lines will need to be extended into the site from the existing wastewater collection mains in Peaceful Meadow Street and through the existing property. It is currently anticipated that one developer and two builders will complete the construction of all 41 lots and homes and associated sewer services. It is a requirement of the development of any building in this subdivision to comply with all applicable Rules, Regulations, or Standards of the Colorado Centre Metropolitan District. All proposed sewer improvements will need to comply with these Rules and Regulations.

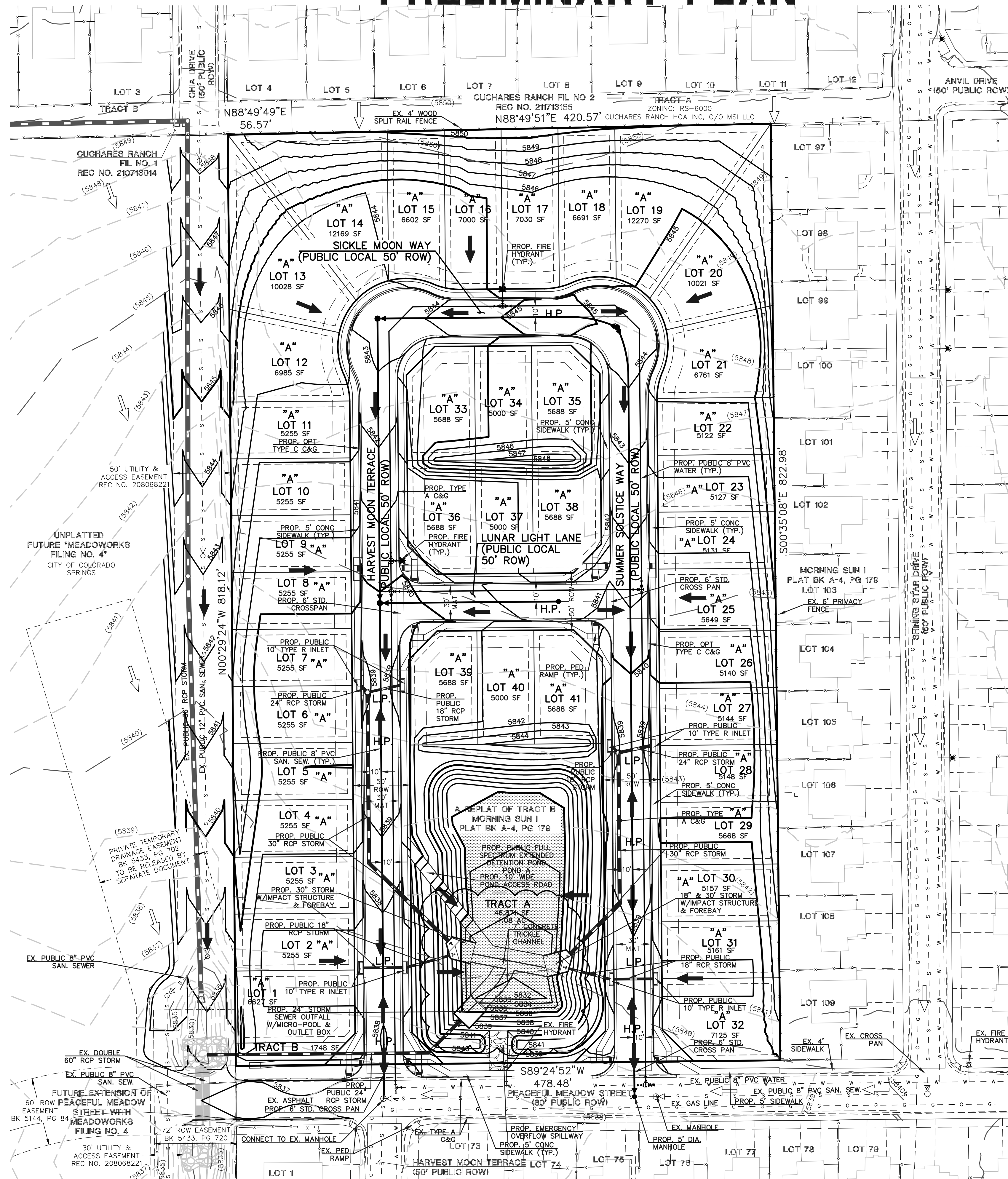
APPENDIX A

RISING MOON FILING NO. 1

REPLAT TRACT B OF MORNING SUN I

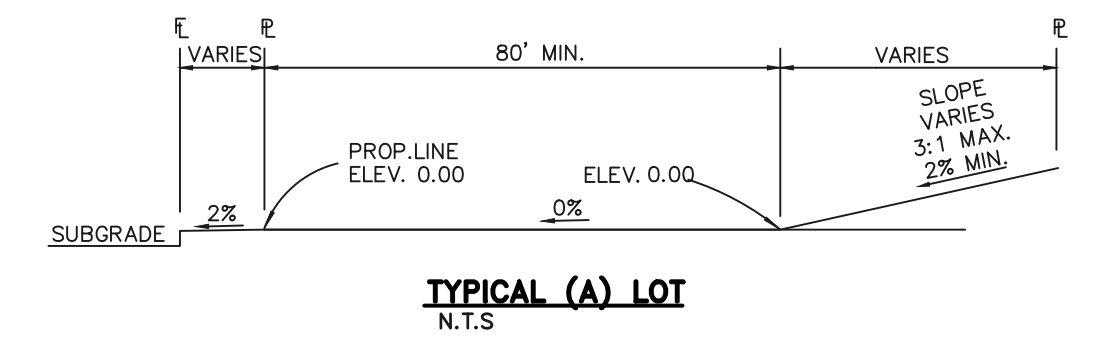
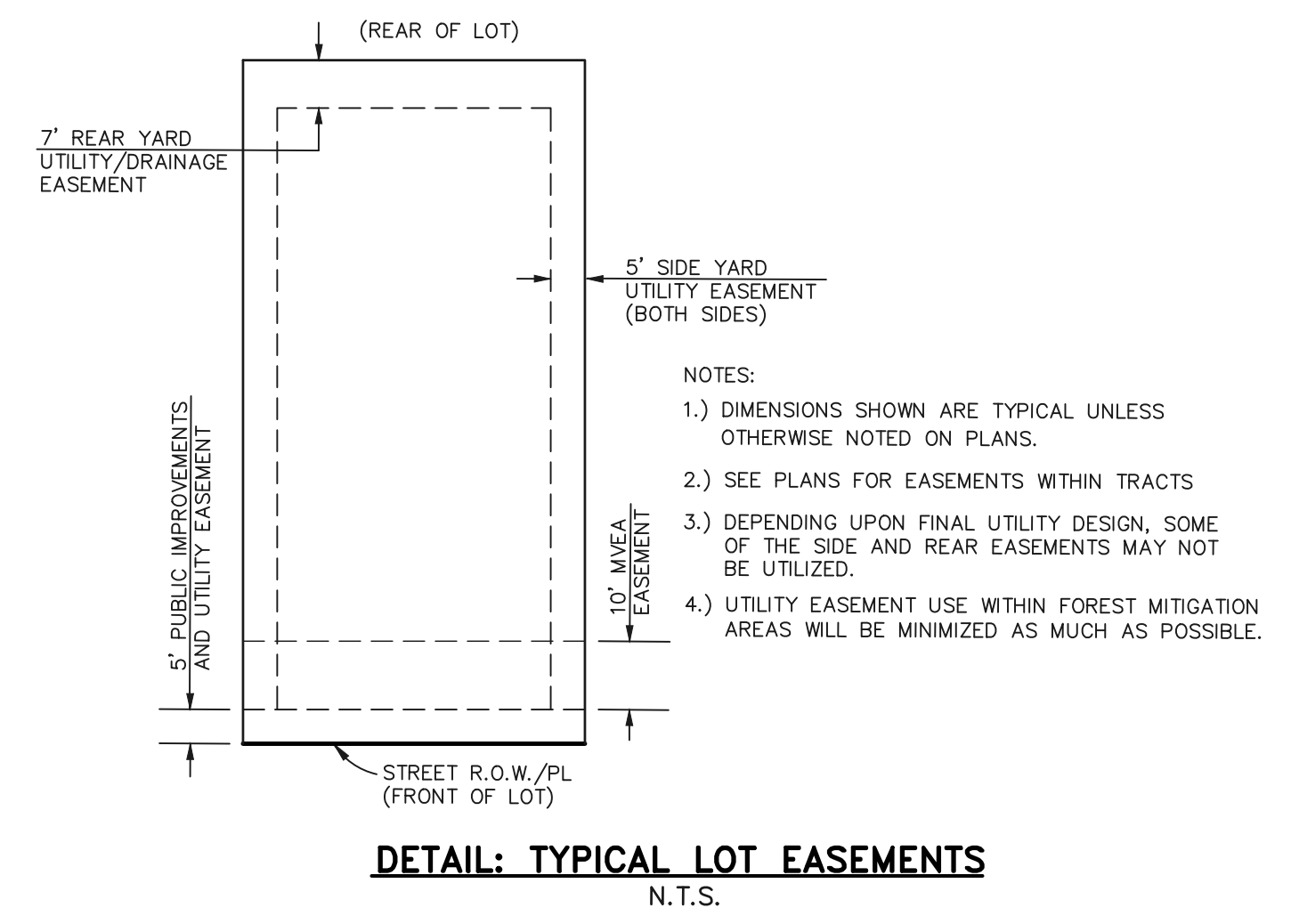
EAST 1/2 OF SEC. 3, TOWNSHIP 15S, RANGE 65 WEST, COUNTY OF EL PASO, STATE OF COLORADO

PRELIMINARY PLAN

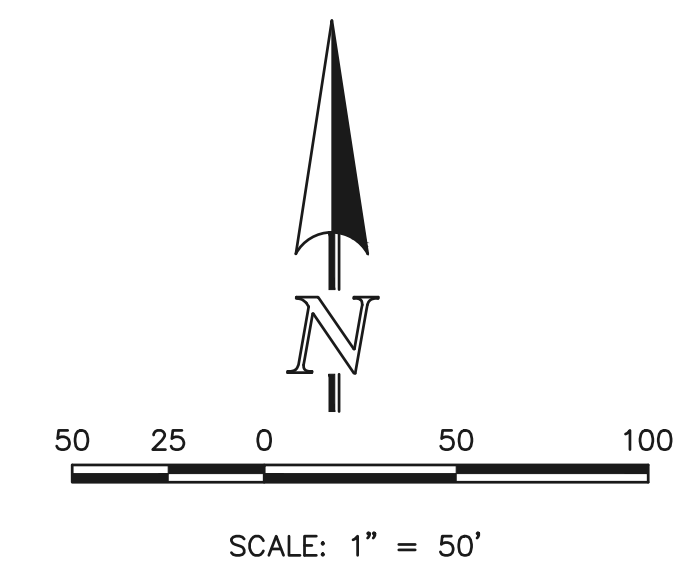
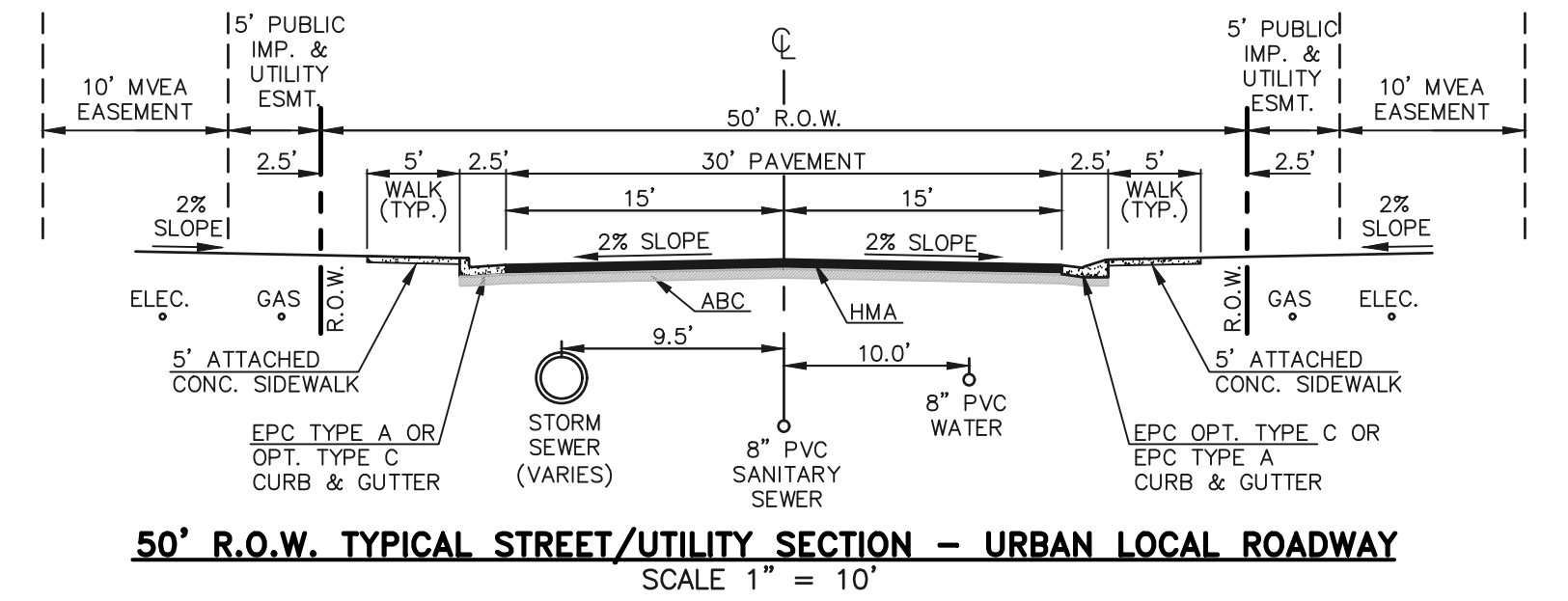


LEGEND

- PROPOSED CONTOUR-5
- PROPOSED CONTOUR-1
- EXISTING CONTOUR-5
- EXISTING CONTOUR-1
- EXISTING DIRECTION OF FLOW
- PROPOSED DIRECTION OF FLOW
- PROPOSED HIGH POINT **H.P.**
- PROPOSED LOW POINT **L.P.**
- EXISTING FIRE HYDRANT
- EXISTING WATER MAIN
- EXISTING SANITARY SEWER MAIN W/ MANHOLE
- PROPOSED WATER MAIN
- PROPOSED FIRE HYDRANT
- PROPOSED STORM INLET
- PROPOSED STORM SEWER
- EXISTING STORM INLET
- EXISTING STORM SEWER
- PROPOSED SANITARY SEWER MAIN W/ MANHOLE
- EXISTING GAS MAIN
- EXISTING FENCE



- NOTES:
- ALL TYPE C CURB & GUTTER IS THE OPTIONAL TYPE C CURB & GUTTER PER EPC STANDARDS
 - ALL PROPOSED STORM ALIGNMENT AND INLET SIZING IS PRELIMINARY. FINAL DESIGN TO BE PROVIDED WITH CD'S AND FINAL DRAINAGE REPORT



EL PASO COUNTY FILE NO.: _____



RISING MOON FILING NO. 1
PRELIMINARY PLAN
PRELIMINARY GRADING & UTILITY PLAN

DESIGNED BY	MES	SCALE	DATE	05/15/2024
DRAWN BY	KES	(H) 1" = 50'	SHEET	4 OF 4
CHECKED BY	(V) 1" = N/A	JOB NO.	2506.03	

619 N. Cascade Avenue, Suite 200
Colorado Springs, Colorado 80903

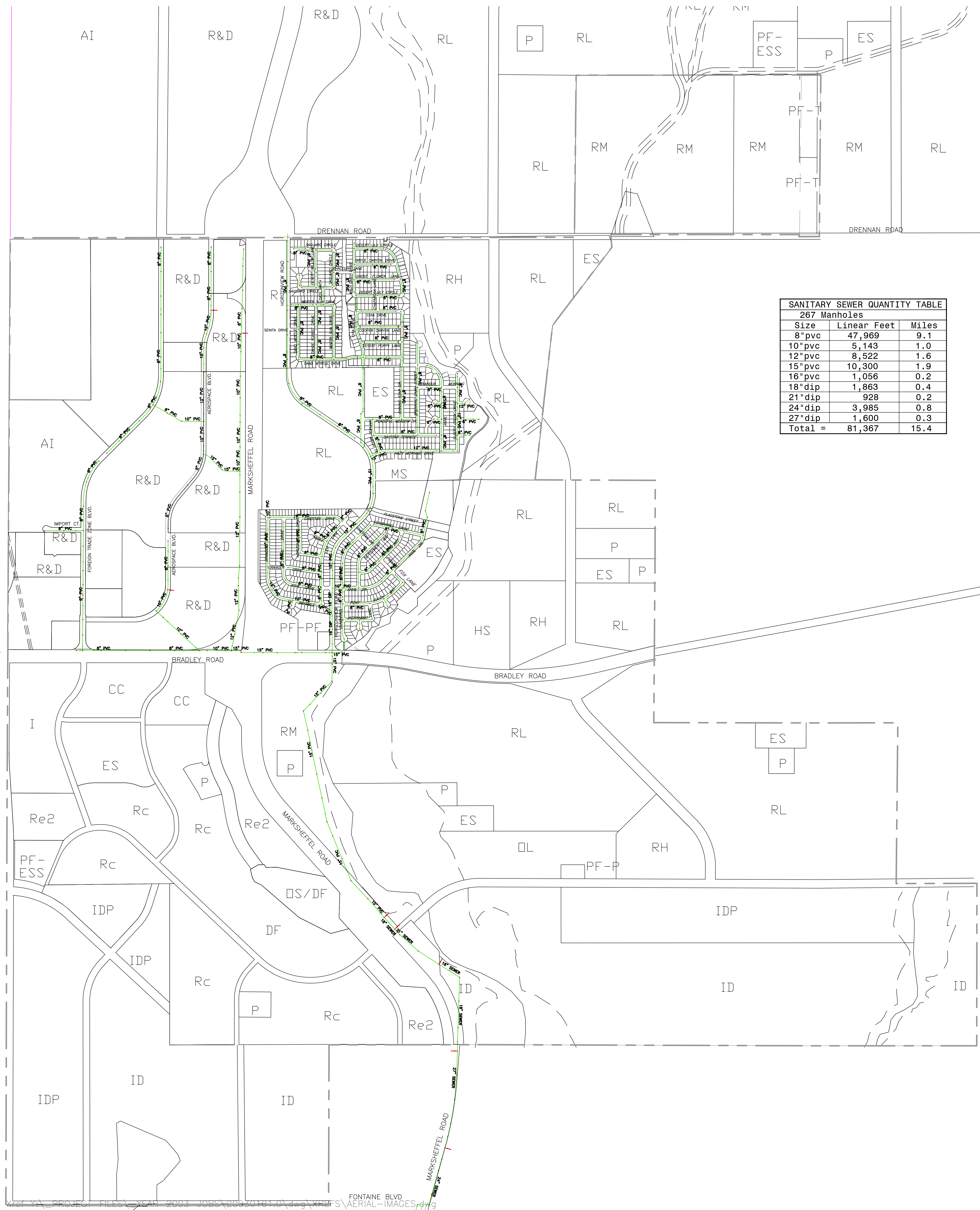
(719)785-0790



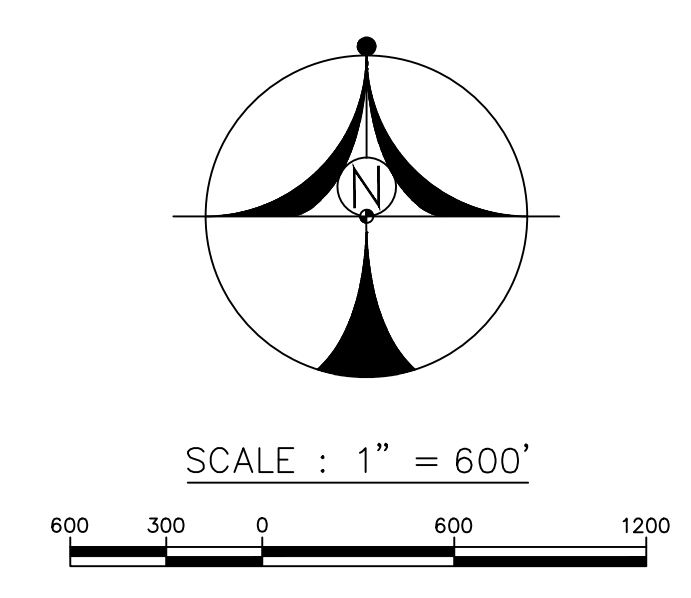
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APPENDIX B

COLORADO CENTRE SANITARY SEWER SYSTEM PLAN



Size	Linear Feet	Miles
267 Manholes		
8" pvc	47,969	9.1
10" pvc	5,143	1.0
12" pvc	8,522	1.6
15" pvc	10,300	1.9
16" pvc	1,056	0.2
18" dip	1,863	0.4
21" dip	928	0.2
24" dip	3,985	0.8
27" dip	1,600	0.3
Total =	81,367	15.4



- LEGEND:**
- MANHOLE
 - 8" pvc SEWER LINE W/ DIRECTION OF FLOW
 - INDICATES CHANGE IN PIPE SIZE (ON STRAIGHT RUNS)

