Job No. 199069

June 27, 2025

Roger & Mary Sung
3195 County Line Rd.
Monument, CO 80132

Re: Wastewater Study
Proposed Subdivsion
County Line Rd
El Paso County, Colorado

Dear Mr. and Mrs. Sung:

As requested, personnel of RMG Engineers (RMG) has performed a preliminary investigation and site reconnaissance at the above referenced address. The total calculated area of the included parcels, as recorded on the El Paso County (EPC) Assessors website, is currently 331.36 acres. The proposed site development is to consist of rezoning and subdividing the parcels into 78 lot ranging between 2.5 and 5.0 acres per lot. The approximate location of the site is shown on the Site Vicinity Map, Figure 1. The included parcels are as follows:

- **El Paso County Parcel Number 7105424044** – the site is currently labeled as Star View Circle, is currently classified as forest land and is undeveloped vacant land which consists of 14.4 acres.
- **El Paso County Parcel Number 7104200012** – the site is currently addressed as 910 County Line Rd, is currently not zoned, currently is classified as forest land and is undeveloped vacant land which consists of 141.93 acres.
- **El Paso County Parcel Number 7104000002** – the site is currently labeled as County Line Rd, is currently zoned RR-5 – Residential Rural, is undeveloped vacant land, and consists of 34.29 acres.
- **El Paso County Parcel Number 7104000001** – the site is currently addressed as 20040 Capella Dr, is currently zoned RR-5 Residential Rural, is undeveloped vacant land, and consists of 49.84 acres.
- **El Paso County Parcel Number 7104001010** – the site is currently addressed as 3275 County Line Rd, is currently zoned RR-5 Residential Rural, and contains an existing church, which has an associated well and septic system, and consists of 46.62 acres.
- **El Paso County Parcel Number 7103000028** – the site is currently addressed as 3195 County Line Rd, is currently zoned RR-5 Residential Rural, and contains a former youth center, which has an associated well and septic system, and consists of 44.28 acres.

It is our understanding that the parcels are to be subdivided into 78 lots ranging between 2.5 and 5.0 acres each. Of the 331.36 acres, approximately 112.57 acres are to remain as open space. The subdivision is to be accessed along the northern property boundary, from two locations County

Line Road, east of Spruce Mountain. One additional potential future access is proposed along the western property boundary. Each lot is to be serviced by an individual wastewater treatment system and a well. Preliminary grading plans were still in process at the time of this study, but it is our understanding that grading is anticipated to be minor, with construction occurring near the existing grades. The Proposed Lot Layout, Figure 2, outlines the proposed subdivision and the general boundaries of our investigation.

The majority of the property is undeveloped but there are two existing structures on the property. The existing church and former youth center structures are to remain, and are not included in the overall total of lots. Additionally, the House of Prayer and Retreat is to remain on proposed Lot 1. Two stock ponds are located near the northern portion of the site, on proposed lots 50 and 58. The ponds will likely be emptied and filled in with soil. The parcels addressed as 3195 and 3275 County Line Road have associated septic fields and wells. It is uncertain at this time if the septic fields and wells will remain.

This letter is to provide information for the on-site wastewater report per the On-Site Wastewater Treatment Systems (OWTS) Regulations of the El Paso County Board of Health pursuant to Chapter 8.

The following are also excluded from the scope of this report including (but not limited to) foundation recommendations, site grading/surface drainage recommendations, subsurface drainage recommendations, geologic, natural and environmental hazards such as landslides, unstable slopes, seismicity, snow avalanches, water flooding, corrosive soils, erosion, radon, wild fire protection, hazardous waste and natural resources.

Previous Studies and Field Investigation

Reports of previous geotechnical engineering/geologic investigations for this site were available for our review and are listed below:

1. *Soil and Geology Study, Proposed Subdivision, County Line Road, El Paso County, Colorado,* prepared by RMG Engineers, dated June 20, 2025.
2. *Soil and Geology Study, Red Rock Acres, El Paso County, Colorado,* prepared by RMG – Rocky Mountain Group, Job No. 189879, dated February 22, 2023.
3. *Wastewater Study, Red Rock Acres, El Paso County, Colorado,* prepared by RMG – Rocky Mountain Group, Job No. 189879, dated February 22, 2023.
4. *Soils and Geology Study, Elephant Rock Villas, Lot 2, Rancho Iraceme Sub., Filing No. 2. Town of Palmer Lake, El Paso County, Colorado,* prepared by RMG – Rocky Mountain Group, Job No. 190736, last amended January 4, 2023.

The findings, conclusions and recommendations contained in these reports were considered during the preparation of this report.

SITE CONDITIONS

Personnel of RMG performed a reconnaissance visit on May 21, 2025. The purpose of the reconnaissance visit was to evaluate the site surface characteristics including landscape position, topography, vegetation, natural and cultural features, and current and historic land uses. Fifteen (15) 8-foot deep test pits were performed on across the site during our reconnaissance visit. A Test Pit Location Plan is presented in Figure 3.

Topographically, the site consists of undulating to gently rolling hills that generally slope down to the north. Steeper slopes, heavily vegetated terrain, and rock outcrops are located along the southern property boundary.

Vegetation across the northern portion of the site consists of low lying grasses, weeds, yuccas, and scattered trees. The vegetation and trees are much denser on the southern portion of the site. The lots along the ridge are heavily vegetated and dense with trees.

The following conditions were observed with regard to the 331.36-acre parcel:

- Approximately 10 wells currently **do** exist on the existing 331.36-acre site;
- **No** runoff or irrigation features anticipated to cause deleterious effects to treatment systems on the site were observed;
- **No** major waterways exist on the property. The entire site lies outside the designated floodway or floodplain;
- Slopes greater than 20 percent **do** exist on the southern portion of the site; and
- Significant man-made cuts **do not** exist on the site.

Treatment Areas

Treatment areas at a minimum must achieve the following:

- The treatment areas must be 4 feet above groundwater or bedrock as defined by the Definitions 8.3.4 of the Regulations of the El Paso County Board of Health, Chapter 8, *OWTS Regulations*, effective July 7, 2018;
- Prior to construction of an OWTS, an OWTS design prepared per *the Regulations of the El Paso County Board of Health, Chapter 8, OWTS Regulations* will need to be completed. A scaled site plan and engineered design will also be required prior to obtaining a building permit;
- Comply with any physical setback requirements of Table 7-1 of the El Paso County Department of Health and Environment (EPCDHE);
- Treatment areas are to be located a minimum 100 feet from any well (existing or proposed), including those located on adjacent properties per Table 7-2 per the EPCDHE;
- Treatment areas must also be located a minimum 50 feet from any spring, lake, water course, irrigation ditch, stream or wetland, and 25 feet from dry gulches;
- Other setbacks include the treatment area to be located a minimum 10 feet from property lines, cut banks and fill areas (from the crest);
- The new lots shall be laid out to ensure that the proposed OWTS does not fall within any restricted areas, (e.g. utility easements, right of ways). Based on the test pit observations, the parcel has a minimum of two locations for the OWTS.

- The existing systems do not lie on the new proposed lots.

Contamination of surface and subsurface water resources should not occur if the treatment areas are evaluated and installed according to El Paso County Health Department and State Guidelines in conjunction with proper maintenance.

DOCUMENT REVIEW

RMG has reviewed the above referenced site plan. We have identified the soil conditions anticipated to be encountered during construction of the proposed OWTS for each proposed lot. Our review included a review of documented Natural Resource Conservation Service (NRCS) data provided by websoilsurvey.nrcs.usda.gov. The Soil Survey Descriptions are presented below. A review of FEMA Map No. 08041C0044G, effective December 7, 2018 indicates that the proposed treatment areas are not located within an identified floodplain.

SOIL EVALUATION

Personnel of RMG performed a soil evaluation to include fifteen (15) 8-foot deep test pits, on March 21, 2025, utilizing the visual and tactile method for the evaluation of the site soils. The test pits were excavated in areas that appeared most likely to be used for residential construction. The Test Pit Logs are presented in Figure 3 through 11. A Septic Suitability map is presented in Figure 12.

The U.S. Soil Conservation Service along with USDA has identified the soils on the property from two different maps, the Castle Rock Area and the El Paso County Area. The following are from the Castle Rock Area, the northern portion of the site.

- **CrE – Crowfoot-Tomah sandy loams,** *5 to 25 percent slopes*. The Crowfoot-Tomah sandy loams were mapped by the USDA to be located along County Line Road. Properties of the Crowfoot-Tomah sandy loams include, well-drained soil, depth of the water table is anticipated to be greater than 6.5 feet, runoff is anticipated to be none too low, frequency of flooding and ponding is none. Landforms for the Crowfoot setting include ridges, hills, and alluvial fans. Landforms for the Tomah setting include alluvial fans, hills, and ridges.
- **KfF – Kettle-Falcon complex,** *9 to 65 percent slopes.* The Kettle-Falcon complex was also mapped by the USDA to be located along County Line Road. Properties of the Kettle-Falcon complex include, well-drained soil, depth of the water table is anticipated to be greater than 6.5 feet, runoff is anticipated to be low for the Kettle setting and very high for the Falcon setting, frequency of flooding and ponding is none. Landforms for the Kettle setting include ridges and hills. Landforms for the Falcon setting include cliffs.
- **PeD – Peyton sandy loam,** *3 to 9 percent slopes*. The Peyton sandy loam was also mapped by the USDA to be located along County Line Road. Properties of the Peyton sandy loam include, well-drained soil, depth of the water table is anticipated to be greater than 6.5 feet, runoff is anticipated to be medium, frequency of flooding and ponding is none. Landforms include valley sides, plateaus, and mesas.
- **PvE – Pring and Kippen gravelly sandy loams,** *1 to 25 percent slopes*. The Pring and Kippen gravelly sandy loams was also mapped by the USDA to be located along County

Line Road. Properties of the Pring and Kippen gravelly sandy loams include, well-drained soil, depth of the water table is anticipated to be greater than 6.5 feet, runoff is anticipated to be medium, frequency of flooding and ponding is none. Landforms include valley sides, plateaus, and mesas.

- **71 – Pring coarse sandy loam**, *3 to 8 percent slopes*. The Pring coarse sandy loam encompasses the majority of the property. Properties of the Pring coarse sandy loam include, well-drained soil, depth of the water table is anticipated to be more than 80 inches, runoff is anticipated to be low to moderate, frequency of flooding is none and ponding is none. Landforms for both the Pring and Kippen setting include valley sides.

The following are from the El Paso County Area, the majority of the site.

- **41 – Kettle gravelly loamy sand**, *8 to 40 percent slopes*. The Kettle gravelly loamy sand was mapped by the USDA to be located along the southern portion of the property. The Kettle gravelly loamy sand encompasses approximately 10.5 acres for a total of 27.9 percent of the property. Properties of the Kettle gravelly loamy sand include, somewhat excessively drained soil, depth of the water table is anticipated to be greater than 6.5 feet, runoff is anticipated to be medium, frequency of flooding and ponding is none, and landforms are depressions.
- **42 – Kettle-Rock outcrop complex**, Properties of the Kettle-Rock outcrop complex include, well-drained soils, depth of the water table is anticipated to be more than 80 inches, runoff is anticipated to be medium, frequency of flooding and ponding is none, and landforms include hills.
- **69 – Peyton-Pring complex**, *8 to 15 percent slopes.* Properties of the Peyton-Pring complex include, well-drained soils, depth of the water table is anticipated to be more than 80 inches, runoff is anticipated to be medium, frequency of flooding and ponding is none, and landforms include hills.
- **71 – Pring coarse sandy loam**, *3 to 8 percent slopes*. The Pring coarse sandy loam encompasses approximately of the property 1.8 percent of the property. Properties of the Pring coarse sandy loam include, well-drained soil, depth of the water table is anticipated to be more than 80 inches, runoff is anticipated to be low, frequency of flooding is none and ponding is none. Landforms include hills.
- **93 – Tomah-Crowfoot complex**, *8 to 15 percent slopes.* The Tomah-Crowfoot complex was mapped by the USDA to encompass the northwest corner of the property. Properties of the Tomah-Crowfoot complex include, well-drained soils, depth of the water table is anticipated to be greater than 80 inches, runoff is anticipated to be low, frequency of flooding and ponding is none, and landforms include hills.

The USDA Soil Survey Map is presented below.

Groundwater was encountered in TP-3 and bedrock was encountered in TP-3 as observed by RMG.

An OWTS is proposed for each lot and should conform to the recommendations of a future OWTS site evaluation, performed in accordance with the applicable health department codes prior to construction. This report may require additional test pits in the vicinity of the proposed treatment field. A minimum separation of 4 feet shall be maintained from groundwater and bedrock to the infiltrative surface.

Redoximorphic features indicating the fluctuation of groundwater or higher ground water levels were observed in TP-7.

CONCLUSIONS

In summary, it is our opinion the site is suitable for individual on-site wastewater treatment systems within the cited limitations. There are no foreseeable or stated construction related issues or land use changes proposed at this time.

Soil and groundwater conditions at the site are suitable for individual treatment systems. It should be noted that the LTAR values stated above are for the test pit locations performed for this report only. The LTAR values may change throughout the site. If an LTAR value of less than 0.35 (soil types 3A to 5) or greater than 0.80 (soil type 0) is encountered at the time of the site specific OWTS evaluation, an "engineered system" will be required.

Additionally, based on the depth of the limiting layer (groundwater in TP-7) encountered at a depth of 5 feet below the existing ground surface, the maximum depth of the OWTS components may be limited to 2 feet below the existing ground surface or mound systems (above finished ground surface) may be required.

LIMITATIONS

The information provided in this report is based upon the subsurface conditions observed in the profile pit excavations and accepted engineering procedures. The subsurface conditions encountered in the excavation for the treatment area may vary from those encountered in the test pit excavations. Therefore, depth to limiting or restrictive conditions, bedrock, and groundwater may be different from the results reported in this letter.

An OWTS site evaluation will need to be performed on each lot in accordance with the applicable health department codes prior to construction.

I hope this provides the information you have requested. Should you have questions, please feel free to contact our office.

Cordially,

RMG Engineers

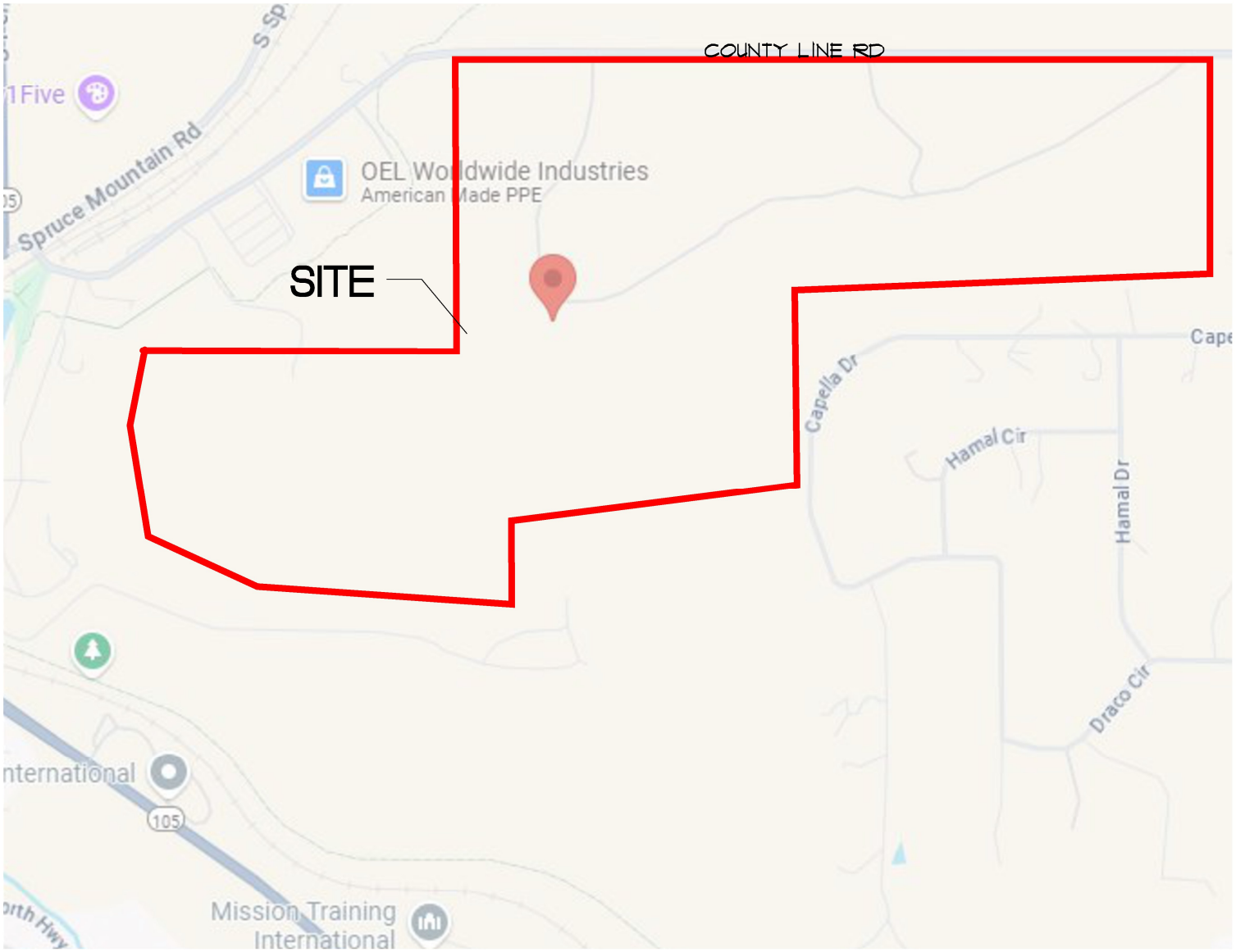
Kelli Zigler

Kelli Zigler
Geotechnical Group Director

Reviewed by,

RMG Engineers

Tony Munger, P.E.
Sr.Geotechnical Project Manager | COO



NOT TO SCALE

Architecture
Structural
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Materials Testing
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Engineers / Architects
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SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

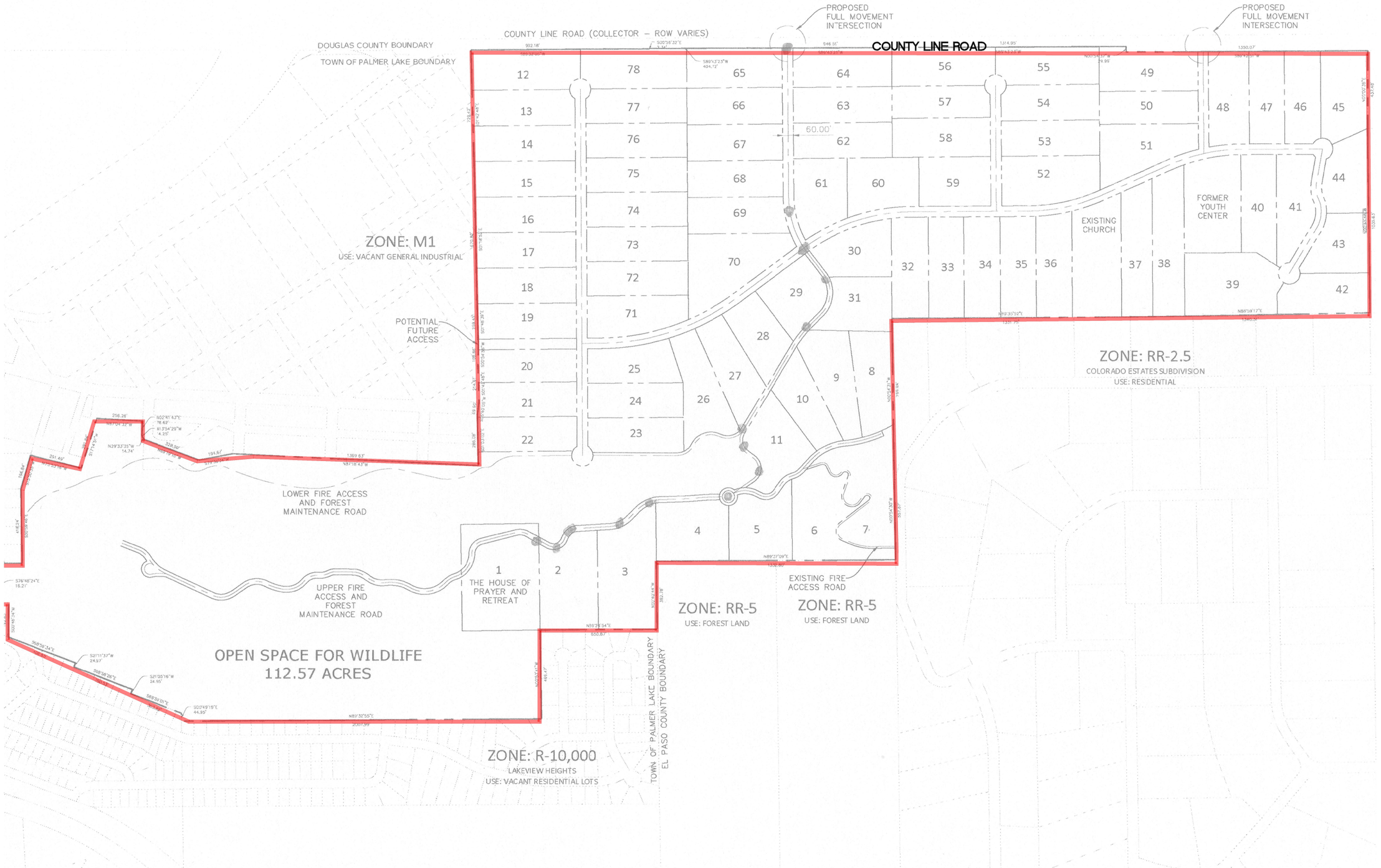
SITE VICINITY MAP

PROPOSED SUBDIVISION
COUNTY LINE ROAD
EL PASO COUNTY, CO
ROGER AND MARY SUNG

JOB No. 199069

FIG No. 1

DATE 7-1-2025



REFERENCE
NOT TO SCALE

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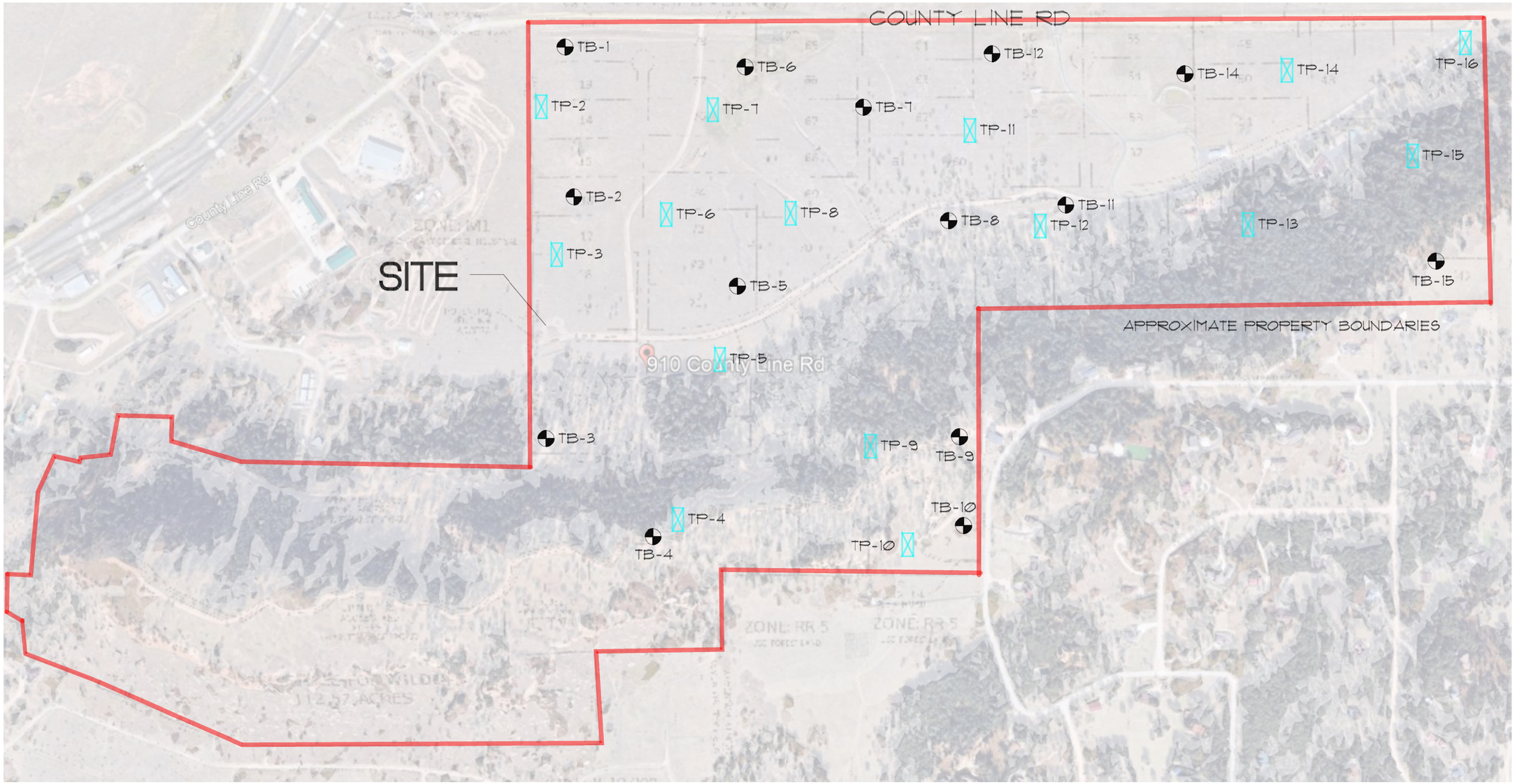
PROPOSED SUBDIVISION
COUNTY LINE ROAD

EL PASO COUNTY, COLORADO
ROGER AND MARY SUNG

ENGINEER:	TPM
DRAWN BY:	KMZ
CHECKED BY:	TPM
ISSUED:	7-1-2025

PROPOSED
LOT LAYOUT

SHEET No.
FIG-2



DENOTES APPROXIMATE LOCATION OF TEST BORINGS

DENOTES APPROXIMATE LOCATION OF TEST PITS

REFERENCE
NOT TO SCALE

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PROPOSED SUBDIVISION
COUNTY LINE ROAD
EL PASO COUNTY, COLORADO
ROGER AND MARY SUNG

ENGINEER:	TPM
DRAWN BY:	KMZ
CHECKED BY:	TPM
ISSUED:	7-1-2025

TEST PIT/BORING LOCATION PALN

SHEET No.
FIG-3

TEST PIT TP-1

DATE OBSERVED: 5/21/25

SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 3.0 FT SANDY CLAY LOAM (GRANULAR, STRONG)	2ft		3
3.0 TO 7.0 FT SAND (SINGLE-GRAIN, STRUCTURELESS)	4ft 6ft		1
7.0 - 8.0 FT SILTY CLAY (BLOCKY, MODERATE)	8ft		4

TEST PIT TP-2

DATE OBSERVED: 5/21/25

SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 4.0 FT SAND (SINGLE-GRAIN, STRUCTURELESS)	2ft		1
4.0 - 8.0 FT SILTY CLAY (BLOCKY, MODERATE)	4ft 6ft		4
	8ft		

SOIL DESCRIPTIONS

SANDY CLAY LOAM

SAND

SILTY CLAY

Architecture
Structural
Geotechnical

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TEST PIT LOGS

PROPOSED SUBDIVISON
COUNTY LINE ROAD
EL PASO COUNTY, CO
ROGER AND MARY SUNG

JOB No. 199069

FIG No. 4

DATE 7-1-2025

TEST PIT TP-3

DATE OBSERVED: 5/21/25

SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 5.0 FT SANDY, CLAY (GRANULAR, STRONG)	2ft 4ft		4
5.0 - 8.0 FT SANDY CLAY (GRANULAR, STRONG) *HARD TO EXCAVATE DUE TO BEDROCK CONDITIONS	6ft 8ft		4/R-1

TEST PIT TP-4

DATE OBSERVED: 5/21/25

SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 2.0 FT CLAY (BLOCKY, MODERATE)	2ft		2
2.0 - 3.0 FT SANDY CLAY (GRANULAR, STRONG)			4
3.0 - 8.0 FT LOAMY SAND (SINGLE-GRAIN, STRUCTURELESS) MORE THAN 35% > 2mm	4ft 6ft 8ft		R-O

SOIL DESCRIPTIONS

SANDY CLAY

CLAY

LOAMY SAND

Architecture
Structural
Geotechnical

RMG

Materials Testing
Forensics
Civil / Planning

Engineers / Architects

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TEST PIT LOGS

PROPOSED SUBDIVISON
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EL PASO COUNTY, CO
ROGER AND MARY SUNG

JOB No. 199069

FIG No. 5

DATE 7-1-2025

TEST PIT TP-5

DATE OBSERVED: 5/21/25

SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 2.0 FT SANDY CLAY LOAM (GRANULAR, MODERATE) MORE THAN 35% > 2mm	2ft		3/R-1
2.0 - 6.0 FT LOAMY SAND (SINGLE-GRAIN, STRUCTURELESS) MORE THAN 35% > 2mm	4ft		R-O
6.0 - 8.0 FT SILTY CLAY (BLOCKY, MODERATE)	6ft 8ft		4

TEST PIT TP-6

DATE OBSERVED: 5/21/25

SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 3.0 FT SAND (SINGLE-GRAIN, STRUCTURELESS)	2ft		1
3.0 TO 6.0 FT SILTY CLAY LOAM (BLOCKY, STRONG)	4ft		3
6.0 - 8.0 FT SILTY CLAY (BLOCKY, MODERATE)	6ft 8ft		4

SOIL DESCRIPTIONS

- SANDY CLAY LOAM
- SAND
- SILTY CLAY
- LOAMY SAND
- SILTY CLAY LOAM

Architecture
Structural
Geotechnical

RMG
Engineers / Architects

Materials Testing
Forensics
Civil / Planning

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TEST PIT LOGS

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JOB No. 199069

FIG No. 6

DATE 7-1-2025

TEST PIT TP-7

DATE OBSERVED: 5/21/25

SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 4.0 FT SANDY CLAY (BLOCKY, STRONG)	2ft 4ft		4
4.0 - 6.0 FT LOAMY SAND (SINGLE-GRAIN, STRUCTURELESS)	6ft		R-O
6.0 - 8.0 FT SILTY CLAY LOAM (BLOCKY, STRONG)			3
RESTRICTIVE LAYER GROUNDWATER AT 5 FT	8ft		

TEST PIT TP-8

DATE OBSERVED: 5/21/25

SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 4.0 FT SANDY CLAY LOAM (GRANULAR, STRONG)	2ft 4ft		3
4.0 - 8.0 FT SAND (SINGLE-GRAIN, STRUCTURELESS)	6ft		1
	8ft		

SOIL DESCRIPTIONS

- SANDY CLAY LOAM
- SAND
- LOAMY SAND
- SANDY CLAY

Architecture
Structural
Geotechnical

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TEST PIT LOGS

PROPOSED SUBDIVISON
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EL PASO COUNTY, CO
ROGER AND MARY SUNG

JOB No. 199069

FIG No. 7

DATE 7-1-2025

TEST PIT TP-9

DATE OBSERVED: 5/21/25

SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 4.0 FT SANDY CLAY (GRANULAR, STRONG) MORE THAN 35% > 2mm	2ft		4/R-1
4.0 - 5.0 FT SANDY CLAY (GRANULAR, STRONG)	4ft		4
5.0 - 8.0 FT SANDY CLAY LOAM (GRANULAR, STRONG) MORE THAN 35% > 2mm	6ft		4/R-1
	8ft		

TEST PIT TP-10

DATE OBSERVED: 5/21/25

SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 3.0 FT SAND CLAY LOAM (GRANULAR, MODERATE) MORE THAN 35% > 2mm	2ft		3/R-1
3.0 - 6.0 FT LOAMY SAND (SINGLE-GRAIN, STRUCTURELESS) MORE THAN 35% > 2mm	4ft		R-O
6.0 - 8.0 FT SANDY CLAY (GRANULAR, STRONG) MORE THAN 35% > 2mm	6ft		4/R-1
	8ft		

SOIL DESCRIPTIONS

SANDY CLAY LOAM

SANDY CLAY

LOAMY SAND

Architecture
Structural
Geotechnical

RMG

Materials Testing
Forensics
Civil / Planning

Engineers / Architects

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TEST PIT LOGS

PROPOSED SUBDIVISON
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EL PASO COUNTY, CO
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JOB No. 199069

FIG No. 8

DATE 7-1-2025

TEST PIT TP-11

DATE OBSERVED: 5/21/25

SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 6.0 FT SANDY CLAY LOAM (GRANULAR, STRONG)	2ft 4ft 6ft		3
6.0 - 8.0 FT SAND (SINGLE-GRAIN, STRUCTURELESS)	8ft		1

TEST PIT TP-12

DATE OBSERVED: 5/21/25

SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 6.0 FT LOAMY SAND (SINGLE-GRAIN, STRUCTURELESS)	2ft 4ft 6ft		3
6.0 - 8.0 FT SANDY CLAY (GRANULAR, STRONG)	8ft		4A

SOIL DESCRIPTIONS

- SAND
- LOAMY SAND
- SANDY CLAY LOAM
- SANDY CLAY

Architecture
Structural
Geotechnical

RMG

Materials Testing
Forensics
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TEST PIT LOGS

PROPOSED SUBDIVISON
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EL PASO COUNTY, CO
ROGER AND MARY SUNG

JOB No. 199069

FIG No. 9

DATE 7-1-2025

TEST PIT TP-13			
DATE OBSERVED: 5/21/25			
SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 4.5 FT LOAMY SAND (SINGLE-GRAIN, STUCTURELESS)	2ft 4ft		1
4.5 - 8.0 FT SANDY CLAY (GRANULAR, STRONG)	6ft 8ft		4

TEST PIT TP-14			
DATE OBSERVED: 5/21/25			
SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 1.5 FT SANDY CLAY LOAM (GRANULAR, STRONG)			3
1.5 - 8.0 FT LOAMY SAND (SINGLE-GRAIN, STRUCTURELESS) MORE THAN 35% > 2mm	2ft 4ft 6ft 8ft		R-O

SOIL DESCRIPTIONS

LOAMY SAND

SANDY CLAY
LOAM

SANDY CLAY

Architecture
Structural
Geotechnical

RMG

Materials Testing
Forensics
Civil / Planning

Engineers / Architects

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COLORADO SPRINGS, CO 80918
(719) 548-0600 ~ WWW.RMGENGINEERS.COM
SOUTHERN COLORADO, DENVER METRO, NORTHERN COLORADO

TEST PIT LOGS

PROPOSED SUBDIVISON
COUNTY LINE ROAD
EL PASO COUNTY, CO
ROGER AND MARY SUNG

JOB No. 199069

FIG No. 10

DATE 7-1-2025

TEST PIT TP-15			
DATE OBSERVED: 5/21/25			
SOIL DESCRIPTION	DEPTH (FT)	SYMBOL	SOIL TYPE
0 - 4.0 FT LOAMY SAND (SINGLE-GRAIN, STRUCTURELESS)	2ft 4ft		1
0 - 4.0 FT SANDY CLAY (GRANULAR, STRONG) MORE THAN 35% > 2mm	6ft 8ft		4/R-1

SOIL DESCRIPTIONS

LOAMY SAND

SANDY CLAY

Architecture
Structural
Geotechnical

RMG

Materials Testing
Forensics
Civil / Planning

Engineers / Architects

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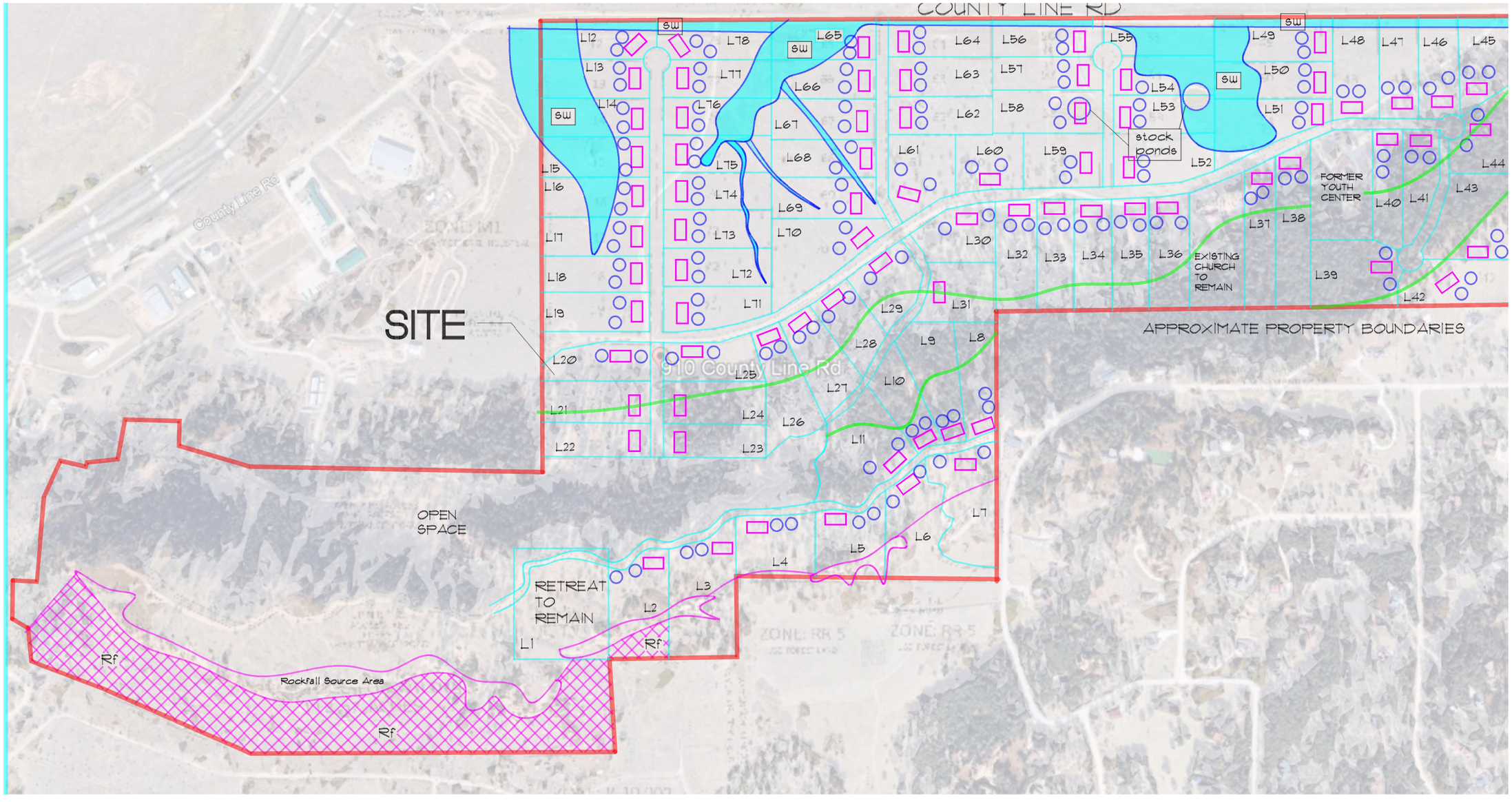
FIG No. 11

DATE 7-1-2025



NOTE: THE SELECTED OWTS LOCATIONS ARE FOR ILLUSTRATION ONLY. IF THE EL PASO COUNTY HEALTH DEPARTMENT PHYSICAL SETBACK REQUIREMENTS ARE MET AND THE OWTS DOES NOT FALL WITHIN THE NO BUILD ZONE THERE ARE NOT ADDITIONAL RESTRICTIONS ON THE PLACEMENT OF THE OWTS FOR EACH LOT

THE SELECTED RESIDENCE LOCATIONS ARE FOR ILLUSTRATION ONLY. IF THE EL PASO COUNTY HEALTH DEPARTMENT PHYSICAL SETBACK REQUIREMENTS ARE MET AND THE RESIDENCE DOES NOT FALL WITHIN THE NO BUILD ZONE THERE ARE NOT ADDITIONAL RESTRICTIONS ON THE PLACEMENT OF THE OWTS FOR EACH LOT

Rf - Rockfall - areas that are prone to rockfall.

sw - seasonally wet areas - low lying areas that may contain surface water during heavy precipitation events (rain, snow melt).

REFERENCE
NOT TO SCALE

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PROPOSED SUBDIVISION
COUNTY LINE ROAD
EL PASO COUNTY, COLORADO
ROGER AND MARY SUNG

ENGINEER:	TPM
DRAWN BY:	KMZ
CHECKED BY:	TPM
ISSUED:	7-1-2025

SEPTIC SUITABILITY MAP

SHEET No.
FIG-12