

EL PASO



COUNTY

COMMISSIONERS:

MARK WALLER (CHAIR)
LONGINOS GONZALEZ, JR. (VICE-CHAIR)

HOLLY WILLIAMS
STAN VANDERWERF
CAMI BREMER

COLORADO

PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT
CRAIG DOSSEY, EXECUTIVE DIRECTOR

Construction Permit: CON1992

Name of Development/Subdivision: MVEA Electric Substation
Location of Construction: Yoder Rd and Chambers Rd.
Description of Construction / Fee: Site Development Minor / \$1,037
Development/Subdivision DSD File Number: PPR1827
Date of Plan Approval and / or Dev. Agreement: 11/28/2018
Value of Construction: Date / Type of Surety / Provider: \$93,608

Responsible Person/Company: David Waldner
Responsible Party Street Address: 11140 East Woodman Rd.
Responsible Party City / State / Zip: Falcon, CO 80831
Responsible Party Phone / Email: Waldnerd@mvea.org

Land Development Code and Engineering Criteria Manual Compliance Guideline Checklist:

- Preliminary Plan Approval Early Grading or Development / Subdivision Construction Plan Approval
- Preliminary Drainage Report Approval or Final Drainage Letter / Report Approval
- All County permits obtained
(May include but not limited to ESQCP, Grading, Access, etc.)
- Copies of Other Agency / Entity Permits
(May include but not limited to Colorado Discharge, Construction Activity, Corp of Engineers, Floodplain, Endangered Species, US Fish and Wildlife, etc.)
- Surety Estimate and appropriate surety posted
- Pre-construction Meeting / Construction permit fee paid

This is to advise that the person or company responsible for construction of all public and common development improvements, as authorized by this Construction Permit and in accordance with the above referenced development or subdivision improvements agreement agrees to construct the required improvements in full conformance of all County rules, regulations, codes, standards, and ordinances, approved plans, applicable development or subdivision improvements agreement, and development permits or approvals. It is understood and agreed that, upon completion of construction and at the time of any request for release of surety, preliminary or final acceptance, the project's engineer shall certify that the work has been entirely completed, and that it conforms in all respects, with all County rules, regulations, codes, standards, and ordinances, approved plans, applicable development or subdivision improvements agreement, and development permits or approvals; and to all specifications required by the laws and regulations of the State of Colorado.



Applicant signature



County Representative signature

- Notice-to-Proceed will be issued once initial stormwater inspection has been completed.**
- Install initial control measures and call El Paso County Stormwater (719) 520-6826 for inspection prior to any additional land disturbance.

2880 INTERNATIONAL CIRCLE, SUITE 110
PHONE: (719) 520-6300



COLORADO SPRINGS, CO 80910-3127
FAX: (719) 520-6695

WWW.ELPASOCO.COM



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PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT
CRAIG DOSSEY, EXECUTIVE DIRECTOR

PRE-CONSTRUCTION MEETING

FILE: PPR1827

DATE: 12/2/2019
SUBDIVISION: MVEA Yoder Substation
DEVELOPER(S): Mountain View Electric Association
ENGINEER(S): Terra Nova Engineering, INC.
CONTRACTOR(S):
GEOTECHNICAL:

DEVELOPER CONTACT: David Waldner, Waldnerd@mvea.org, (719) 494-2675
EPC PCD CONTACT: Rick Spears, (719) 238-8637 Cell

OTHER PUBLIC ENTITIES (i.e. utilities):

- 1) Mountain View Electric
- 2) Choose a utility.
- 3)
- 4)

APPROVAL CHECKLIST:

REQUIREMENT	APPROVED	FORTHCOMING / NOTE	N/A
<input checked="" type="checkbox"/> Early Grading	<input type="checkbox"/> Construction Plans	11/28/2018	<input type="checkbox"/>
<input type="checkbox"/> Preliminary	<input checked="" type="checkbox"/> Final Drainage Report	11/28/2018	<input type="checkbox"/>
<input checked="" type="checkbox"/> Financial Assurance Estimate		11/28/2018	<input type="checkbox"/>
<input checked="" type="checkbox"/> Surety Posted		12/2/2019	<input checked="" type="checkbox"/> Pending
<input type="checkbox"/> Grading Permit Acknowledgement		date,	<input type="checkbox"/>
<input type="checkbox"/> Grading Permit Right-of-Access		date,	<input checked="" type="checkbox"/>
<input type="checkbox"/> Grading Permit		date,	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> EPC Construction Permit		12/2/2019	<input checked="" type="checkbox"/> Pending
<input type="checkbox"/> CDPHE Construction Permit (APEN)			<input type="checkbox"/>
<input checked="" type="checkbox"/> EPC Health Dept. Air Quality Permit		12/2/2019	<input checked="" type="checkbox"/> Pending
<input checked="" type="checkbox"/> SWMP		11/28/2018	<input type="checkbox"/>
<input checked="" type="checkbox"/> Colorado Discharge Permit		12/2/2019	<input checked="" type="checkbox"/> Pending
<input checked="" type="checkbox"/> Initial BMP Installation / Inspection		date,	<input type="checkbox"/>
<input type="checkbox"/> EPC DPW Right-of-Way Permit		date,	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> ESQCP		11/28/2018	<input type="checkbox"/>
<input type="checkbox"/> Construction Schedule		date,	<input type="checkbox"/>
<input checked="" type="checkbox"/> Correct number of APPROVED plan sets		12/2/2019	<input type="checkbox"/>
<input checked="" type="checkbox"/> Construction Permit Fee	\$1,037		<input checked="" type="checkbox"/> Site Development Minor

ALL APPLICABLE FEDERAL, STATE AND LOCAL PERMITS, INSURANCE AND BONDING ARE TO BE OBTAINED PRIOR TO START OF CONSTRUCTION.



2880 INTERNATIONAL CIRCLE, SUITE 110
PHONE: (719) 520-6300

COLORADO SPRINGS, CO 80910-3127
FAX: (719) 520-6695

SUBDIVISION: PPR1827

TESTING CONTRACTOR:

Requirements:

- 1) **Add EPC PCD to the distribution list for all testing reports, in a timely fashion, necessary to comply with the ECM Standards.** A summary sheet of typical requirements is included with this document.
- 2) Minimum testing intervals of 250 LF applicable to trenches, 250 Lane ft. subgrade.
- 3) Testing of trenches / embankments not to exceed 2 foot depth intervals.
- 4) Provide pavement design along with HBP mix design to EPC PCD for review / approval at least 10 working days prior to anticipated date of placement.
- 5) Contact EPC PCD for subgrade inspection / proof roll prior to placement of gravel or pavement.

APPROVED PLAN SPECIFIC DESIGN REVIEW:

ITEM	COMMENTS
Excavation and Embankment	Per plan.
Utilities	Per plan.
Hydrants / Cisterns	N/A
Drainage Facilities	Per plan.
Off-site Drainage	Per plan.
Slope / Off-site Easements	Per plan.
Mail Box / Cluster	Per plan.
Sub Base / Base	Per plan.
ABC Surfacing	Per plan.
HBP Surfacing	Per plan.
Curb / Gutter / Cross Pans	N/A
Sidewalks	N/A
ADA Ramps	N/A
Signage	Per plan.
Striping	N/A
Fugitive Dust Control	Per plan
Concrete	N/A
Reinforcing Steel	N/A AASHTO M284 epoxy coated reinforcing bars

WHEN ALL ITEMS (Subdivision Improvements) HAVE BEEN COMPLETED:

- 1) Submit written request for inspection punch list from EPC PCD.
- 2) Provide letters of acceptance for perpetual maintenance from all utilities providers.
- 3) Provide design engineer's signed and stamped certification letter of substantial compliance.
- 4) Upon satisfactory completion of punch list items and posting of applicable Defect Warranty surety a request for EPC DPW maintenance acceptance may be submitted to EPC.
- 5) Warranty period commences on date of preliminary acceptance by EPC BoCC.

Notice-to-Proceed will be issued once initial stormwater inspection has been completed.

SIGNED BY (EPC Representative):

SUBDIVISION: PPR1827

PRE-CONSTRUCTION MEETING ATTENDANCE LIST

Name: Brad Walters	Name: Matt Arcidiacono
Company: El Paso County PCD	Company: El Paso County PCD
Address: 2880 Intl. Cir #110	Address: 2880 Intl. Cir #110
City/St/Z: Colo. Spgs., CO 80910	City/St/Z: Colo. Spgs., CO 80910
Office: 520-6819	Office: 719-520-6314
Mobile: 332-3599	Mobile: 719-425-7088
Email: bradwalters@elpasoco.com	Email: mattarcidiacono@elpasoco.com

Name: Elizabeth Nijkamp	Name: Jeff Rice
Company: El Paso County PCD	Company: El Paso County PCD
Address: 2880 Intl. Cir #110	Address: 2880 Intl. Cir #110
City/St/Z: Colo. Spgs., CO 80910	City/St/Z: Colo. Spgs., CO 80910
Office: 520-7852	Office:
Mobile:	Mobile:
Email: ElizabethNijkamp@elpasoco.com	Email: Jeffrice@elpasoco.com

Name: Gabe Sevigny	Name: Gabe Valdez
Company: El Paso County PCD	Company: DPW
Address: 2880 Intl. Cir #110	Address:
City/St/Z: Colo. Spgs., CO 80910	City/St/Z:
Office 520-7943	Office:
Mobile:	Mobile: 719-238-7114
Email Gabesevigny@elpasoco.com	Email: 

Name: Michael Garland	Name: Rippe Arauz
Company: Mountain View Builders Assn.	Company: ALTITUDE ENERGY
Address: 1140 E. Woodman Road	Address: 26400 176 FRONTIER RD
City/St/Z: Peyton CO 80531	City/St/Z: KANSAS CO 80443
Office: 719-494-2638	Office:
Mobile: 719-649-2897	Mobile: 801 831 5864
Email: m.ker.g@mva.org	Email:

SUBDIVISION: PPR1827

PRE-CONSTRUCTION MEETING ATTENDANCE LIST

<i>Name:</i>	<i>Name:</i>
<i>Company:</i>	<i>Company:</i>
<i>Address:</i>	<i>Address:</i>
<i>City/St/Z:</i>	<i>City/St/Z:</i>
<i>Office:</i>	<i>Office:</i>
<i>Mobile:</i>	<i>Mobile:</i>
<i>Email:</i>	<i>Email:</i>

<i>Name:</i>	<i>Name:</i>
<i>Company:</i>	<i>Company:</i>
<i>Address:</i>	<i>Address:</i>
<i>City/St/Z:</i>	<i>City/St/Z:</i>
<i>Office:</i>	<i>Office:</i>
<i>Mobile:</i>	<i>Mobile:</i>
<i>Email:</i>	<i>Email:</i>

<i>Name:</i>	<i>Name:</i>
<i>Company:</i>	<i>Company:</i>
<i>Address:</i>	<i>Address:</i>
<i>City/St/Z:</i>	<i>City/St/Z:</i>
<i>Office:</i>	<i>Office:</i>
<i>Mobile:</i>	<i>Mobile:</i>
<i>Email:</i>	<i>Email:</i>

<i>Name:</i>	<i>Name:</i>
<i>Company:</i>	<i>Company:</i>
<i>Address:</i>	<i>Address:</i>
<i>City/St/Z:</i>	<i>City/St/Z:</i>
<i>Office:</i>	<i>Office:</i>
<i>Mobile:</i>	<i>Mobile:</i>
<i>Email:</i>	<i>Email:</i>

Signing and Striping Notes:

1. All signs and pavement markings shall be in compliance with the current Manual on Uniform Traffic Control Devices (MUTCD).
2. Removal of existing pavement markings shall be accomplished by a method that does not materially damage the pavement. The pavement markings shall be removed to the extent that they will not be visible under day or night conditions. At no time will it be acceptable to paint over existing pavement markings.
3. Any deviation from the striping and signing plan shall be approved by El Paso County Planning and Community Development.
4. All signs shown on the signing and striping plan shall be new signs. Existing signs may remain or be reused if they meet current El Paso County and MUTCD standards.
5. Street name and regulatory stop signs shall be on the same post at intersections.
6. All removed signs shall be disposed of in a proper manner by the contractor.
7. All street name signs shall have "D" series letters, with local roadway signs being 4" upper-lower case lettering on 8" blank and non-local roadway signs being 6" lettering, upper-lower case on 12" blank, with a white border that is not recessed. Multi-lane roadways with speed limit of 40 mph or higher shall have 8" upper-lower case lettering on 18" blank with a white border that is not recessed. The width of the non-recessed white borders shall match page 255 of the 2012 MUTCD "Standard Highway Signs"
8. All traffic signs shall have a minimum High Intensity Prismatic grade sheeting.
9. All local residential street signs shall be mounted on a 1.75" x 1.75" square tube sign post and stub post base. For other applications, refer to the CDOT Standard S-614-8 regarding use of the P2 tubular steel post slipbase design.
10. All signs shall be single sheet aluminum with 0.100" minimum thickness.
11. All limit lines/stop lines, crosswalk lines, pavement legends, and arrows shall be a minimum 125 mil thickness preformed thermoplastic pavement markings with tapered leading edges per CDOT Standard S-627-1. Word and symbol markings shall be the narrow type. Stop bars shall be 24" in width. Crosswalks lines shall be 12" wide and 8' long per CDOT S-627-1.
12. All longitudinal lines shall be a minimum 15 mil thickness epoxy paint. All non-local residential roadways shall include both right and left edge line striping and any additional striping as required by CDOT S-627-1.
13. The contractor shall notify El Paso County PCD (719) 520-6819 prior to and upon completion of signing and striping.
14. The contractor shall obtain a work in the right of way permit from the El Paso County Department of Works (DPW) prior to any signage or striping work within an existing El Paso County roadway.

J.5 TESTING SUMMARY

Table J-3 and Table J-4 summarize the testing requirements outlined in Appendix J.

Table J-3. Summary Minimum Testing Requirements

No.	Item	Type Of Test	Minimum Frequency	Min. #	Act. #
1	Utilities: Water, Sewer, Gas, Electric, Phone and Cable Trenches	Moisture/Density	1 per every 250 L.F. or fraction thereof, every 2' elevation. Each structure (manhole, valve, etc.) every 2' elevations. This requirement also applies to every service.		
2	Storm Sewer Trench	Moisture/Density	Same as above. Each structure (manhole, inlet, etc.) every 2' elevations.		
3	Inlets Concrete Testing	Air Slump	First load or until compliance. Minimum 1 per day.		
		Cylinders	1 set (4) per project for every 100 C.Y. or fraction thereof.		
		Steel	Visual and Documentation		
4	Curb and Gutter	Moisture/Density	1 per every 250 L.F. or fraction thereof.		
		Proof-Roll	All final subgrade.		
		Air/Slump	First load or until compliance. Minimum 1 per every 2,000 L.F. or fraction thereof.		
		Cylinders	1 set (4) per day every 2,000 L.F. or fraction thereof.		

Appendix J Roadway Inspections and Testing
 Adopted: 1/9/2006
 Revised: 7/28/2015
 REVISION 5

Table J-4. Summary of Minimum Testing Requirements

No.	Item	Type of Test	Minimum Frequency	Min. #	Act. #
5	Sidewalk	Moisture/Density	1 per every 250 L.F. or fraction thereof.		
		Air/Slump	First load or until compliance. Minimum 1 per every 1,000 S.Y. or fraction thereof.		
		Cylinders	1 set (4) per day 1,000 S.Y. or fraction thereof.		
6	Roadway Subgrade: Fills and Cuts	Moisture/Density	1 per every 500 Lane Ft. or fraction thereof, every 2' elevation. Cuts to be scarified to a depth of 1', recondition as needed and recompact.		
			All final subgrade.		
7	Roadway (Concrete)	Air/Slump	First 3 loads or until compliance, then every 1,250 C.Y. or fraction thereof.		
		Cylinders	1 set (4) per project for every 1,250 C.Y. or fraction thereof.		

2017 Financial Assurance Estimate Form (with pre-plat construction)

Updated: 8/7/18

Project Name		Date		PCD File No.	
Description	Quantity	Units	Price	Total	(with Pre-plat Construction) % Complete Remaining
SECTION 1 - GRADING AND EROSION CONTROL (Construction and Permanent BMPs)					
* Earthwork	7,918.00	CY	\$ 9 = \$	71,262	\$ 71,262 *
* Permanent Seeding (inc. noxious weed mgmnt.)	3.00	AC	\$ 582 = \$	1,746	\$ 1,746 *
* Mulching	3.00	AC	\$ 527 = \$	1,581	\$ 1,581 *
* Permanent Erosion Control Blanket		SY	\$ 6 = \$		
* Permanent Pond/BMP Construction		CY	\$ 19 = \$		
* Permanent Pond/BMP (Spillway)		EA	= \$		
* Permanent Pond/BMP (Outlet Structure)		EA	= \$		
Temporary Erosion Control Blanket		SY	\$ 3 = \$		
Vehicle Tracking Control	1.00	EA	\$ 2,242 = \$	2,242	\$ 2,242
Safety Fence		LF	\$ 3 = \$		
Silt Fence		LF	\$ 4 = \$		
Temporary Seeding	3.00	AC	\$ 582 = \$	1,746	\$ 1,746
Temporary Mulch		AC	\$ 527 = \$		
Erosion Bales		EA	\$ 24 = \$		
Erosion Logs	961.00	LF	\$ 6 = \$	5,766	\$ 5,766
Rock Check Dams		EA	\$ 195 = \$		
Inlet Protection		EA	\$ 158 = \$		
Sediment Basin	2.00	EA	\$ 1,667 = \$	3,334	\$ 3,334
Concrete Washout Basin	1.00	EA	\$ 1,000 = \$	1,000	\$ 1,000
			= \$		
			= \$		
<i>[insert items not listed but part of construction plans]</i>					
				4,931	\$ 4,931
MAINTENANCE (35% of Construction BMPs) = \$				4,931	
SECTION 1 SUBTOTAL = \$				93,608	\$ 93,608

* Subject to defect warranty financial assurance. A minimum of 20% is to be retained up to final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)

SECTION 2 - PUBLIC IMPROVEMENTS *

Roadway Improvements		LS	= \$	-
Construction Traffic Control				
Aggregate Base Course (150 lbs/cf)	Tons	\$ 24 = \$		
Asphalt Pavement (135 lbs/cf)	Tons	\$ 83 = \$		
Raised Median, Paved	SF	\$ 8 = \$		
Regulatory Sign	EA	\$ 177 = \$		
Advisory Sign	EA	\$ 177 = \$		
Guide/Street Name Sign	EA	= \$		
Epoxy Pavement Marking	SF	\$ 12 = \$		
Thermoplastic Pavement Marking	SF	\$ 22 = \$		
Barricade - Type 3	EA	\$ 118 = \$		
Delineator - Type 1	EA	\$ 23 = \$		
Curb and Gutter, Type A (6" Vertical)	LF	\$ 17 = \$		
Curb and Gutter, Type B (Median)	LF	\$ 19 = \$		
Curb and Gutter, Type C (Ramp)	LF	\$ 23 = \$		
4" Sidewalk	SY	\$ 46 = \$		
5" Sidewalk	SY	\$ 58 = \$		
6" Sidewalk	SY	\$ 69 = \$		
8" sidewalk	SY	\$ 92 = \$		

PROJECT INFORMATION

Project Name		Date		PCD File No.	
Description	Quantity	Units	Price	Total	(with Pre-plate Construction) % Complete Remaining
Pedestrian Ramp		SY	\$ 143 = \$		\$ -
Cross Pan		SY	\$ 57 = \$		\$ -
Curb Chase		EA	\$ 1,400 = \$		\$ -
Guardrail Type 3 (W-Beam)		LF	\$ 46 = \$		\$ -
Guardrail Type 7 (Concrete)		LF	\$ 68 = \$		\$ -
Guardrail End Anchorage		EA	\$ 1,985 = \$		\$ -
Guardrail Impact Attenuator		EA	\$ 3,564 = \$		\$ -
Sound Barrier Fence		LF	\$ 108 = \$		\$ -
Electrical Conduit, Size =		LF	\$ 15 = \$		\$ -
Traffic Signal, complete intersection		EA	\$ 250,000 = \$		\$ -
			= \$		\$ -
			= \$		\$ -
<i>[insert items not listed but part of construction plans]</i>					
STORMDRAIN IMPROVEMENTS					
Concrete Box Culvert (M Standard), Size (W x H)		LF	= \$		\$ -
18" Reinforced Concrete Pipe		LF	\$ 84 = \$		\$ -
24" Reinforced Concrete Pipe		LF	\$ 99 = \$		\$ -
30" Reinforced Concrete Pipe		LF	\$ 117 = \$		\$ -
36" Reinforced Concrete Pipe		LF	\$ 157 = \$		\$ -
42" Reinforced Concrete Pipe		LF	\$ 186 = \$		\$ -
48" Reinforced Concrete Pipe		LF	\$ 243 = \$		\$ -
54" Reinforced Concrete Pipe		LF	\$ 278 = \$		\$ -
60" Reinforced Concrete Pipe		LF	\$ 300 = \$		\$ -
66" Reinforced Concrete Pipe		LF	\$ 333 = \$		\$ -
72" Reinforced Concrete Pipe		LF	\$ 367 = \$		\$ -
18" Corrugated Steel Pipe		LF	\$ 71 = \$		\$ -
24" Corrugated Steel Pipe		LF	\$ 103 = \$		\$ -
30" Corrugated Steel Pipe		LF	\$ 109 = \$		\$ -
36" Corrugated Steel Pipe		LF	\$ 147 = \$		\$ -
42" Corrugated Steel Pipe		LF	\$ 159 = \$		\$ -
48" Corrugated Steel Pipe		LF	\$ 183 = \$		\$ -
54" Corrugated Steel Pipe		LF	\$ 208 = \$		\$ -
60" Corrugated Steel Pipe		LF	\$ 245 = \$		\$ -
66" Corrugated Steel Pipe		LF	\$ 301 = \$		\$ -
72" Corrugated Steel Pipe		LF	\$ 356 = \$		\$ -
78" Corrugated Steel Pipe		LF	\$ 411 = \$		\$ -
84" Corrugated Steel Pipe		LF	\$ 467 = \$		\$ -
Flared End Section (FES) RCP Size =		EA	= \$		\$ -
<small>(unit cost = 6x pipe unit cost)</small>		EA	= \$		\$ -
Flared End Section (FES) CSP Size =		EA	= \$		\$ -
<small>(unit cost = 6x pipe unit cost)</small>		EA	= \$		\$ -
End Treatment- Headwall		EA	= \$		\$ -
End Treatment- Wingwall		EA	= \$		\$ -
End Treatment - Cutoff Wall		EA	= \$		\$ -
Curb Inlet (Type R) L=5', Depth < 5 feet		EA	\$ 5,243 = \$		\$ -
Curb Inlet (Type R) L=5', 5'-10' Depth		EA	\$ 6,800 = \$		\$ -
Curb Inlet (Type R) L=5', 10'-15' Depth		EA	\$ 7,895 = \$		\$ -
Curb Inlet (Type R) L=10', Depth < 5 feet		EA	\$ 7,216 = \$		\$ -
Curb Inlet (Type R) L=10', 5'-10' Depth		EA	\$ 7,437 = \$		\$ -
Curb Inlet (Type R) L=10', 10'-15' Depth		EA	\$ 9,310 = \$		\$ -
Curb Inlet (Type R) L=15', Depth < 5 feet		EA	\$ 9,383 = \$		\$ -
Curb Inlet (Type R) L=15', 5'-10' Depth		EA	\$ 10,060 = \$		\$ -
Curb Inlet (Type R) L=15', 10'-15' Depth		EA	\$ 11,000 = \$		\$ -

PROJECT INFORMATION

Project Name		Date		PCD File No.	
Description	Quantity	Units	Price	Total	(with Pre-plat Construction) Remaining
Curb Inlet (Type R) L = 20", Depth < 5 feet		EA	\$ 10,000 = \$		\$ -
Curb Inlet (Type R) L = 20", 5'-10' Depth		EA	\$ 11,038 = \$		\$ -
Grated Inlet (Type C), < 5' deep		EA	\$ 4,390 = \$		\$ -
Grated Inlet (Type D), < 5' deep		EA	\$ 5,422 = \$		\$ -
Storm Sewer Manhole, Box Base, Depth < 15 feet		EA	\$ 11,000 = \$		\$ -
Storm Sewer Manhole, Slab Base, Depth < 15 feet		EA	\$ 6,050 = \$		\$ -
Geotextile (Erosion Control)		SY	\$ 6 = \$		\$ -
Rip Rap, d50 Size from 6" to 24"		CY	\$ 88 = \$		\$ -
Rip Rap, Grouted		CY	\$ 215 = \$		\$ -
Drainage Channel Construction, Size (W x H)		LF			\$ -
Drainage Channel Lining, Concrete		CY	\$ 539 = \$		\$ -
Drainage Channel Lining, Rip Rap		CY	\$ 106 = \$		\$ -
Drainage Channel Lining, Grass		AC	\$ 1,390 = \$		\$ -
Drainage Channel Lining, Other Stabilization			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
<i>(Insert items not listed but part of construction plans)</i>					
* Subject to detect warranty financial assistance. A minimum of 20% to be retained up to final acceptance (MAXIMUM OF 80% COMPLETE ALLOWED)					
Section 2 Subtotal = \$					\$

SECTION 3 - COMMON DEVELOPMENT IMPROVEMENTS (Private or District and NOT maintained by El Paso County)
ROADWAY IMPROVEMENTS**

			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -

STORMDRAIN IMPROVEMENTS (Exception: Permanent Pond/BMP shall be itemized under Section 1)

			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
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			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -

WATER SYSTEM IMPROVEMENTS

Water Main Pipe (PVC), Size 8"	LF	\$ 94 = \$		\$ -
Water Main Pipe (Ductile Iron), Size 8"	LF	\$ 137 = \$		\$ -
Gate Valves, 8"	EA	\$ 1,852 = \$		\$ -
Fire Hydrant Assembly w/ all valves	EA	\$ 6,430 = \$		\$ -
Water Service Line Installation, inc. tap and valves	EA	\$ 1,253 = \$		\$ -
Fire Cistern Installation, complete	EA			\$ -

(Insert items not listed but part of construction plans)

SANITARY SEWER IMPROVEMENTS

Sewer Main Pipe (PVC), Size 8"	LF	\$ 94 = \$		\$ -
Sanitary Sewer Manhole, Depth < 15 feet	EA	\$ 4,575 = \$		\$ -
Sanitary Service Line Installation, complete	EA	\$ 1,516 = \$		\$ -
Sanitary Sewer Lift Station, complete	EA			\$ -

(Insert items not listed but part of construction plans)

LANDSCAPING IMPROVEMENTS (For subdivision specific condition of approval, or PLUD)

			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -
			= \$		\$ -

PROJECT INFORMATION

Project Name: _____ Date: _____ PCD File No. _____

Description	Quantity	Units	Price	Total	PCD File No.	
					% Complete	(with Pre-plat Construction) Remaining
		EA	= \$	-		\$
		EA	= \$	-		\$
		EA	= \$	-		\$
		EA	= \$	-		\$
		EA	= \$	-		\$
Section 3 Subtotal = \$				-		\$

* Section 3 is not subject to defect warranty.

AS-BUILTS (Public Improvements)

Pond Verification (survey to verify pond volumes)		LS	= \$	-		\$
		LS	= \$	-		\$

Total Construction Financial Assurance \$ 93,608
(Sum of all section subtotals plus as-builts and pond verification)

Total Remaining Construction Financial Assurance (with pre-plat construction) \$ 93,608
(Sum of all section totals less credit for items complete plus as-builts and pond verification)

Total Defect Warranty Financial Assurance \$ 14,918
(20% of all items identified as (*). To be collateralized at time of preliminary acceptance)


Approvals

I hereby certify that this is an accurate and complete estimate of costs for the work as shown on the approved Construction Drawings associated with the Project.

[Signature] Date _____
 Engineer (P.E. Seal Required)

[Signature] Date _____
 Approved by Owner / Applicant

[Signature] Date _____
 Approved by El Paso County Engineer / ECH Administrator



Approved
 El Paso County Planning and Community Development
 El Paso County Planner/ Irvine County Engineer/ ECH Administrator
 on behalf of Jennifer Irvine, County Engineer/ ECH Administrator

11/28/2018 5:39:13 PM
 Date

DATE 12/2/19 NO. 9559
 RECEIVED FROM Mountain View Electronic Assoc
 ADDRESS PO Box 11600
Limon, CO 80828 DOLLARS \$ 93,608⁰⁰
 FOR PPR 1827 - MVEA Upoker Substation
 BY Putra Rang

ACCOUNT		HOW PAID		
AMT. OF ACCOUNT		CASH		
AMT. PAID		CHECK	<u>45408</u>	
BALANCE DUE		MONEY ORDER		

DATE 12/2/19 NO. 9560
 RECEIVED FROM Mountain View Electronic Assoc
 ADDRESS PO Box 11600
Limon, CO 80828 DOLLARS \$ 1037⁰⁰
 FOR CON 1992/PPR 1827 MVEA Upoker Substation
 BY Putra Rang

ACCOUNT		HOW PAID		
AMT. OF ACCOUNT		CASH		
AMT. PAID		CHECK	<u>45407</u>	
BALANCE DUE		MONEY ORDER		

THIS CHECK IS VOID WITHOUT A COLORED BACKGROUND AND WATERMARK/LINES ON THE BACK - HOLD AT ANGLE TO VIEW



MOUNTAIN VIEW
ELECTRIC ASSOCIATION
P.O. BOX 1600
LIMON, CO. 80828-1600
719-775-2861
719-495-2283

No. 45467 82-356/1021



ONE THOUSAND THIRTY-SEVEN AND NO / 100*****

PAY
TO THE ORDER OF
EL PASO COUNTY
2880 INTERNATIONAL CIRCLE
COLORADO SPRINGS CO 80910

DATE	CHECK NO.	AMOUNT
11/20/2019	45467	\$*****1,037.00

Jim C Hemon
Randy R...

SIGNATURE HAS A COLORED BACKGROUND - BORDER CONTAINS MICROPATTERN

530

⑈45467⑈ ⑆02⑆03562⑆ 0⑆02242⑆⑈

THIS CHECK IS VOID WITHOUT A COLORED BACKGROUND AND WATERMARK/LINES ON THE BACK - HOLD AT ANGLE TO VIEW



MOUNTAIN VIEW
ELECTRIC ASSOCIATION
P.O. BOX 1600
LIMON, CO. 80828-1600
719-775-2861
719-495-2283

No. 45468 82-356/1021



NINETY-THREE THOUSAND SIX HUNDRED EIGHT AND NO / 100*****

PAY
TO THE ORDER OF
EL PASO COUNTY
2880 INTERNATIONAL CIRCLE
COLORADO SPRINGS CO 80910

DATE	CHECK NO.	AMOUNT
11/20/2019	45468	\$*****93,608.00

Jim C Hemon
Randy R...

SIGNATURE HAS A COLORED BACKGROUND - BORDER CONTAINS MICROPATTERN

530

⑈45468⑈ ⑆02⑆03562⑆ 0⑆02242⑆⑈

Notify Environmental Health of any change of ownership, type of business activity, business name, or billing address by calling 719-578-3199. Failure to notify Environmental Health may result in late penalties, Permit/License denial or revocation, and business closure. PERMITS/LICENSES TO OPERATE AND ANNUAL FEE PAYMENTS ARE NOT TRANSFERABLE. Permits become void on change of ownership. New owners must apply and pay for a new Permit(s)/License(s) prior to beginning operation.

Attn: MOUNTAIN VIEW ELECTRIC ASSOCIATION
PO BOX 1600
LIMON, CO 80828



EL PASO COUNTY PUBLIC HEALTH
ENVIRONMENTAL HEALTH DIVISION
1675 W. GARDEN OF THE GODS ROAD, SUITE 2044
COLORADO SPRINGS, CO 80907

PHONE: (719) 578-3199 FAX: (719) 578-3188
www.elpasocountyhealth.org

CONSTRUCTION ACTIVITY PERMIT - AIR QUALITY

Valid From 11/25/2019 To 4/25/2020

REGULATED ENTITY :

MVEA YODER SUBSTATION
1515 N YODER RD
YODER, CO 80864

Permit ID: PT0042403
Facility ID: FA0008531
Account ID: AR0016872
Issued: 11/25/2019

OWNER NAME :

MOUNTAIN VIEW ELECTRIC ASSOCIATION

This permit/license is granted subject to all rules and regulations of the El Paso County Board of Health, the Colorado Department of Public Health and Environment, and to the general terms and conditions set forth in this document.

1. This Permit/License is conditional upon compliance with the control plan methods submitted on the Permit/License Application to the El Paso County Public Health - Environmental Health Division.
2. El Paso County Public Health - Environmental Health Division, may require additional control methods to be applied if necessary to protect public health.

Authorized By: Arron Termain, MPH, Environmental Health Director

This Permit/License is NOT TRANSFERABLE, and is valid ONLY for this owner MOUNTAIN VIEW ELECTRIC ASSOCIATION. Permits/Licenses become VOID on change of ownership. New owners must apply and pay for a new Permit(s)/License(s) PRIOR to beginning operation or penalties may be assessed.

THIS PERMIT/LICENSE MUST BE PROMINENTLY DISPLAYED ON THE PREMISES

Air Quality Construction Activity Permit Application

Application Summary:

Submitted: 11/21/2019 3:46:12 PM
Completed: 11/22/2019 4:19:56 PM

Application No: 69260

Reviewer: Tucker, Heather

Addresses

Applicant's Address

Michael Garland
Mountain View Electric Association, Inc.
PO Box 1600
Limon, CO 80828

Contact Methods

Email: mike.g@mvea.coop
Phone: 719-649-2897

Contractor Information

Joshua Bradford
Altitude Energy, LLC
26400 I-76 Frontage Road (PO Box 359)
Keenesburg, CO 80643

Contact Methods

Contact Phone: 720-236-5161
Fax:

Project Site Information

1515 N. Yoder Road
Yoder, CO 80864

Project Name: MVEA Yoder Substation

Cross Street: Berndt Road (unimproved road ROW one mile north of CO HWY 94)

Contact On-Site Information

Contact Name: Ridge Arave
Contact Day Phone: 801-831-5866
Contact Cell Phone: 801-831-5866
Manager Name: Joashua Bradford
Manager Day Phone: 720-618-3252
Manager Cell Phone: 720-236-5161

Questions

Construction Activity Permit Information

Q: Activity Start Date (month/day/year)

A: 11/25/2019

Q: Projected End Date (month/day/year)

A: 4/25/2109

Q: Total Amount of Acres to be Disturbed (if project exceeds 25 acres OR is longer than 6 months in duration, a Land Development APEN from CDPHE will be required.)

A: 1-24.99 acres

Control Plan-Fugitive Particulate Emissions

Q: Estimated total disturbed acreage subject to wind erosion (acres)

A: 4.64

Q: Will traffic be restricted to established roads where practical

A: Yes

Q: What vehicle speed control measures will be in place

A: The site is a pasture a quarter mile east of the nearest established road. The essence of the project is establishing a substation pad and access road. Site speed limit of 15 mph will be in place, but not posted. The nature of the terrain limits speed

Q: What limited disturbed area practices will be in place (explain; phasing, etc.)

A: The entire disturbed area is less than five acres. No additional limited area practices will be in place.

Q: What revegetation methods will be applied (specify type/location; use site map)

A: Reseeding with native grass outside the rocked substation pad.

Q: Detail mulch application (if applicable)

A: NA

Q: Describe compaction methods (Specify location, number, and type of equipment)

A: Rolling Vibrator on substation pad and access road.

Q: Detail watering times per day or as needed

A: As Needed

Q: If chemical stabilizers are to be in use, explain (include frequency and location on map)

A: NA

Q: Describe how steep slopes will be controlled (detail location on map)

A: No steep slopes on site.

Q: Detail wind breaks (snow, solid fence, berm, furrows, vegetation, etc. - show on map)

A: No measures in place beyond erosion control BMPs that will provide a degree of wind break.

Q: Detail stockpile controls

A: Minimal dirt stockpile for backfill will be surrounded with rubber wattle.

Q: Haul roads

A: Unpaved

- Q:** Detail control of haul roads (specify control, frequency of cleanups, etc.)
A: No dirt will be hauled in or out. Minimal delivery of material and equipment. No specific controls in place other than vehicle tracking control for erosion control.

Q: Other

A:

Service Summary

Service	Fee
Permit Fee (Good for a maximum of 6 months)	\$165.00
Processing Fee. NOTE: this charge is from OnlineRME, LLC.	\$10.00

Total charges for application: \$175.00

Payment Log

Date	Amount	Description	Bank Response
11/21/2019	\$10.00	Processing Fee	This transaction has been approved.
11/21/2019	\$165.00	Application Fee	This transaction has been approved.

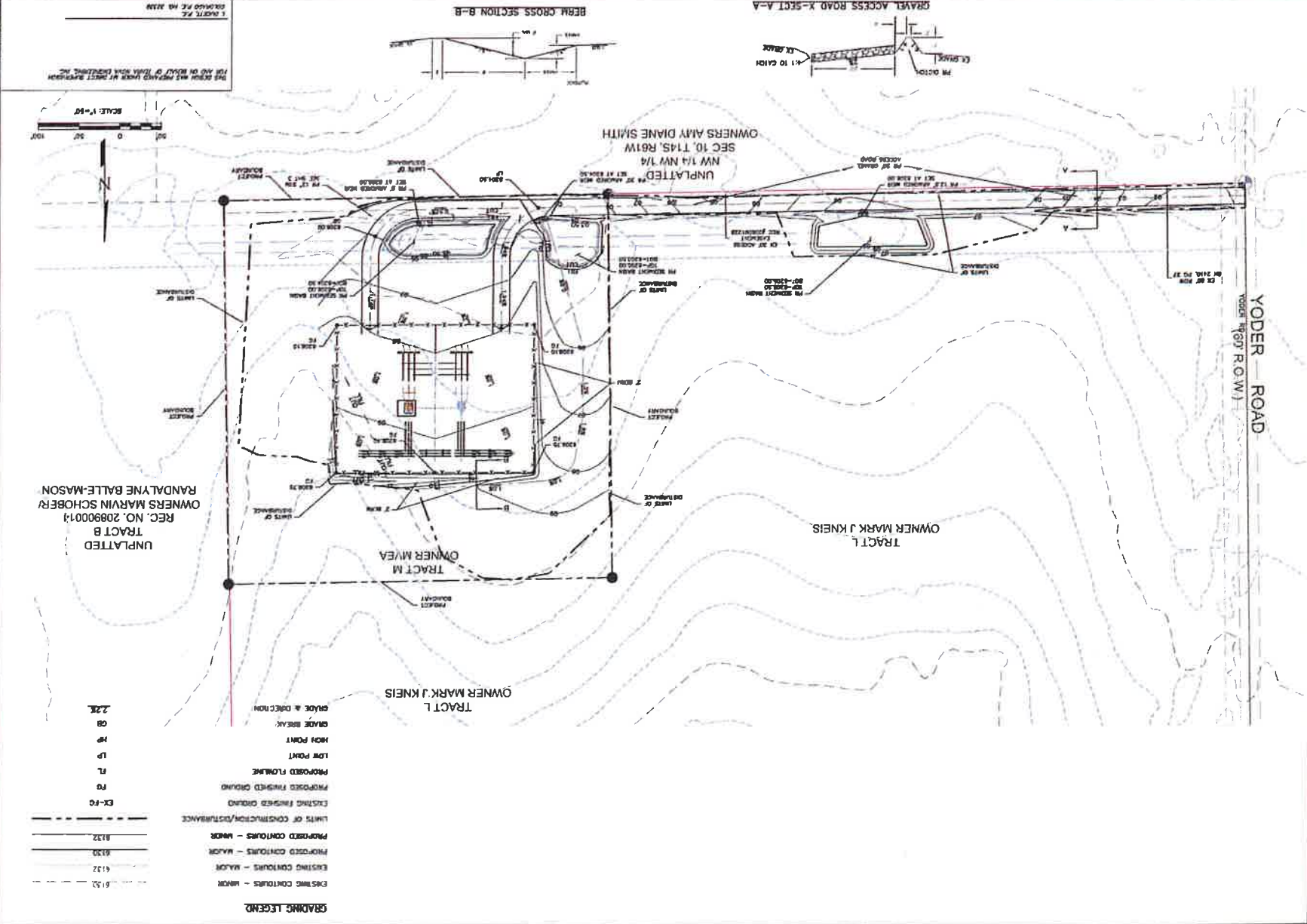
Total amount Paid: \$175.00

Important Information - Please Read

This control plan is enforceable and legal action will be taken to ensure compliance with the Regulations of the El Paso County Board of Health (Chapter 3, Section 5.8). This permit is revokable.

A site map is required with this application (no larger than 8 ? x 11 inches).

PROJECT NO. 21-0000000 SHEET NO. 1 OF 1 DATE: 11/15/2021 DRAWN BY: J. WALKER CHECKED BY: J. WALKER IN CHARGE: J. WALKER	MEVA YODER SUBSTATION 8 STATION CONTROL PLAN STATION PLAN	PREPARED FOR: MEVA ATTN: DAVID WALDMAN 1140 E. WOODBURN RD. SALT LAKE CITY, UT 84119 TEL: 801-488-2552	MEVA YODER SUBSTATION 8 STATION CONTROL PLAN STATION PLAN





COLORADO
Department of Public
Health & Environment

Dedicated to protecting and improving the
health and environment of the people of Colorado

ASSIGNED PERMIT NUMBER
Date Received 11/07/2019 15:05:06
MM DD YYYY HH:MM:SS
Revised: 3-2016

STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES APPLICATION
COLORADO DISCHARGE PERMIT SYSTEM (CDPS)

PHOTO COPIES, FAXED COPIES, PDF COPIES OR EMAILS WILL NOT BE ACCEPTED.

Any additional information that you would like the Division to consider in developing the permit should be provided with the application. Examples include effluent data and/or modeling and planned pollutant removal strategies.

Beginning July 1, 2016, invoices will be based on acres disturbed.
DO NOT PAY THE FEES NOW – Invoices will be sent after the receipt of the application.

- Disturbed Acreage for this application (see page 4)
- Less than 1 acre (\$83 initial fee, \$165 annual fee)
 - 1-30 acres (\$175 initial fee, \$350 annual fee)
 - Greater than 30 acres (\$270 initial fee, \$540 annual fee)

A. PERMIT INFORMATION

Reason for Application

- NEW CERT RENEW CERT
- MODIFICATION TRANSFER
- CHANGE OF CONTACT TERMINATION

Existing Cert # _____

B. PERMITTED PROJECT/FACILITY INFORMATION

Facility Name: MVEA Yoder Substation Original ID: _____
 Property Address 1: 1515 N. Yoder Road Property Address 2: _____ County: El Paso
 City: Yoder State: CO Zip Code: 80864
 Latitude : 38.854198 Longitude : -104.219512

SIC Code	Description
4911	Electric services

Receiving Water Name	Receiving Water Type
Upper Pond Creek	Immediate
Chico Creek	Ultimate

C. CONTACT INFORMATION

1) *OPERATOR – RESPONSIBLE OFFICIAL - the party that has operation control over day to day activities – may be the same as the Owner

Responsible Person (Title): Special Projects Engineer
 Telephone No: 719-494-2638
 Mailing Address: 11140 East Woodmen Road
 City: Peyton
 State: CO
 Zip Code: 80831
 First Name: Michael
 Email Address: mike.g@mvea.coop
 Organization: Mountain View Electric Association, Inc.
 Last Name: Garland

2) *PROPERTY OWNER (CO-PERMITTEE) RESPONSIBLE OFFICIAL

Responsible Person (Title): Special Projects Engineer
 Telephone No: 719-494-2638
 Mailing Address: 11140 East Woodmen Road
 City: Peyton
 State: CO
 Zip Code: 80831
 First Name: Michael
 Email Address: mike.g@mvea.coop
 Organization: Mountain View Electric Association, Inc.
 Last Name: Garland

3) *SITE CONTACT (local contact for questions relating to the facility & discharge authorized by this permit)

Responsible Person (Title): Project Manager
 Telephone No: 801-831-5866
 Mailing Address: PO Box 359
 City: Keenesburg
 State: CO
 Zip Code: 80643
 First Name: Ridge
 Email Address: rarave@altitudeenergy.com
 Organization: Altitude Energy, LLC
 Last Name: Arave

4) *BILLING CONTACT

Responsible Person (Title): Special Projects Engineer
 Telephone No: 719-494-2638
 Mailing Address: 11140 East Woodmen Road
 City: Peyton
 State: CO
 Zip Code: 80831
 First Name: Michael
 Email Address: mike.g@mvea.coop
 Organization: Mountain View Electric Association, Inc.
 Last Name: Garland

5) OTHER CONTACT TYPES

Title	First Name	Last Name	Phone	Email	Address	City	State	Zip	Contact Type	Other

6) Former Permittee (transfer)

Responsible Person (Title): _____
 Email Address: _____
 First Name: _____
 Company: _____
 Last Name: _____

D. LEGAL DESCRIPTION

Legal description: if subdivided, provide the legal description below, or indicate that it is not applicable. Do not supply Township/Range/Section or metes and bounds description of the site.

Subdivision(s): Mountain View Exemption Plat _____
 Lot(s): Tract M _____
 Block(s): _____

OR

- Not applicable (site has not been subdivided)
- Facility additional description info

E. AREA OF CONSTRUCTION SITE

Total area of construction site 5 acres
Total area of project disturbance 4.64 acres

F. NATURE OF CONSTRUCTION ACTIVITY

Check the appropriate box(es) or provide a brief description that indicates the general nature of the construction activities. (The full description of activities must be included in the Stormwater Management Plan.)

- Commercial Development
- Pipeline and Utilities (including natural gas, electricity, water, and communications)
- Oil and Gas Exploration and Well Pad Development
- Non-structural and other development (i.e. parks, trails, stream realignment, bank stabilization, demolition, etc.)
- Other

Residential Development

Highway and Transportation Development

G. ANTICIPATED CONSTRUCTION SCHEDULE

Construction Start Date: 11/1/2019

Final Stabilization Date: 10/30/2020

- Construction Start Date - This is the day you expect to begin ground disturbing activities, including grubbing, stockpiling, excavating, demolition, and grading activities.
- Final Stabilization Date - in terms of permit coverage, this is when the site is finally stabilized. This means that all ground surface disturbing activities at the site have been completed and all disturbed areas have either been built on, paved, or a uniform vegetative cover has been established with an individual plant density of at least 70 percent of pre-disturbance levels.
- Permit coverage must be maintained until the site is finally stabilized. Even if you are only doing one part of the project, the estimated final stabilization date must be for the overall project. If permit coverage is still required once your part is completed, the permit certification may be transferred to a new responsible operator.

SIGNATURE REQUIREMENTS:

TERMINATION CERTIFICATION

- By checking this box I understand that by submitting this notice of termination, I am no longer authorized to discharge stormwater associated with construction activity by the general permit. I understand that discharging pollutants in stormwater associated with construction activities to the waters of the State of Colorado, where such discharges are not authorized by a CDPS permit, is unlawful under the Colorado Water Quality Control Act and the Clean Water Act.
- STORMWATER MANAGEMENT PLAN CERTIFICATION (on new and renewals)**
By checking this box "I certify under penalty of law that a complete Stormwater Management Plan, has been prepared for my activity. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the Stormwater Management Plan is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for falsely certifying the completion of said SWMP, including the possibility of fine and imprisonment for knowing violations."

THIS PORTION OF THE SIGNATURE LANGUAGE IS REQUIRED ON ALL SUBMITTALS

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

"I understand that submittal of this application is for coverage under the State of Colorado General Permit for Stormwater Discharges Associated with Construction Activity for the entirety of the construction site/project described and applied for, until such time as the application is amended or the certification is transferred, inactivated, or expired."

Signature of Operator

Name (printed)

Title

Date Signed

Signature of Owner

Date Signed

Name (printed)

Title

Signature: The applicant must be either the owner and operator of the construction site. Refer to Part B of the instructions for additional information. The application must be signed by the applicant to be considered complete. In all cases, it shall be signed as follows:

- a) In the case of corporations, by the responsible corporate officer is responsible for the overall operation of the facility from which the discharge described in the form originates
- b) In the case of a partnership, by a general partner.
- c) In the case of a sole proprietorship, by the proprietor.
- d) In the case of a municipal, state, or other public facility, by either a principal executive officer, ranking elected official, (a principal executive officer has responsibility for the overall operation of the facility from which the discharge originates).

FORMER PERMITTEE used for transfers

Signature (Legally Responsible Party)

Name (printed)

Title

Date



**CERTIFICATION TO DISCHARGE
UNDER
CDPS GENERAL PERMIT COR400000
STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES**

Certification Number: **COR407391**

This Certification to Discharge specifically authorizes:

**Owner Mountain View Electric Association, Inc.
Operator Mountain View Electric Association, Inc.
to discharge stormwater from the facility identified as**

MVEA Yoder Substation

To the waters of the State of Colorado, including, but not limited to:

Upper Pond Creek, Chico Creek

Facility Activity : Pipeline and Utilities (including natural gas, electricity, water and communications)

Disturbed Acres: 4.64 acres

Facility Located at: 1515 N. Yoder Road Yoder CO 80864
El Paso County
Latitude 38.854198 Longitude -104.219512

**Specific Information
(if applicable):**

**Certification is issued and effective: 11/7/2019
Expiration date of general permit: 3/31/2024**

This certification under the permit requires that specific actions be performed at designated times. The certification holder is legally obligated to comply with all terms and conditions of the permit.

**This certification was approved by:
Meg Parish, Section Manager
Permits Section
Water Quality Control Division**





RIDGE ARAVE

26400 I-76 Frontage Rd., Keenesburg, CO 80643
Office: 720.618.3252 | Cell: 801.831.5866
rarave@altitudeenergy.com

TRANSMISSION • SUBSTATIONS • OVERHEAD & UNDERGROUND DISTRIBUTION
VOLTAGE CONVERSION • STORM REPAIR



MOUNTAIN VIEW ELECTRIC ASSOCIATION, INC.
A Member Owned Utility

Your Touchstone Energy® Cooperative



MICHAEL J. GARLAND, JR., P.E.
Special Projects Engineer

Direct (719) 494-2638
Cell (719) 649-2897
garlandm@mvea.org

11140 E. Woodmen Rd.
Falcon, CO 80831

www.mvea.coop

facebook.com/MVEAInc

