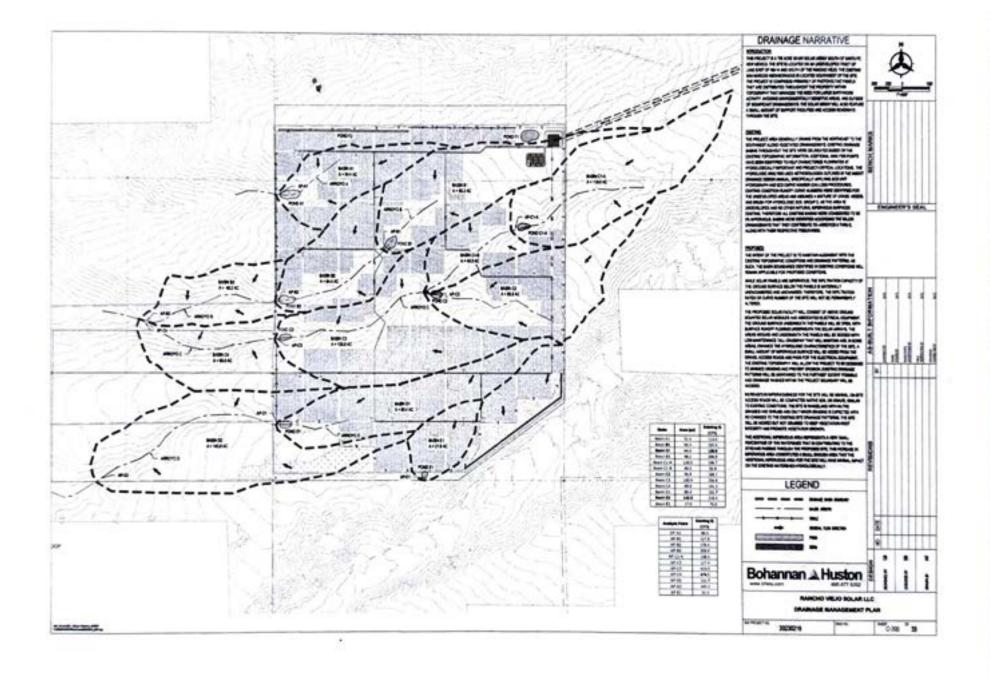
Exhibit 7

Bohannan Huston Site Development Plan; Drainage Management Plan



33 of 33

DRAINAGE NARRATIVE

INTRODUCTION:

THIS PROJECT IS A 755 ACRE 96 MW SOLAR ARRAY SOUTH OF SANTA FE, NEW MEXICO. THE SITE IS LOCATED ON AN UNDEVELOPED TRACT OF LAND EAST OF NM-14 AND SOUTH OF THE RANCHO VIEJO. THE EXISTING SAN MARCOS NEIGHBORHOOD IS LOCATED SOUTHWEST OF THE SITE. THE PROJECT IS COMPRISED PRIMARILY OF PHOTOVOLTAIC PANELS THAT ARE DISTRIBUTED THROUGHOUT THE PROPERTY WITHIN TOPOGRAPHY THAT MINIMIZES THE NEED FOR LARGE EARTHWORK ACTIVITY, AVOIDING ENVIRONMENTALLY SENSITIVE AREAS, AND OUTSIDE OF SIGNIFICANT DRAINAGEWAYS. THE SOLAR ARRAY WILL ALSO FEATURE A SMALL AMOUNT OF SUPPORT FACILITIES AND ACCESS ROADWAYS THROUGH THE SITE.

EXISTING:

THE PROJECT AREA GENERALLY DRAINS FROM THE NORTHEAST TO THE SOUTHWEST ALONG VEGETATED DRAINAGEWAYS, EXISTING DRAINAGE BASINS THROUGHOUT THE SITE WERE DELINEATED BASED ON THE EXISTING TOPOGRAPHIC INFORMATION, ADDITIONAL ANALYSIS POINTS HAVE BEEN IDENTIFIED TO HELP CHARACTERIZE FLOWRATES AT HYDROLOGICALLY IMPORTANT AND PROJECT-CRITICAL LOCATIONS. THE HYDROLOGIC ANALYSIS USED METHODOLOGIES OUTLINED IN THE NMDOT DRAINAGE DESIGN MANUAL, SPECIFICALLY APPLYING SCS UNIT HYDROGRAPH AND SCS CURVE NUMBER (CN) LOSS PROCEDURES. EXISTING CONDITION RUNOFF CURVE NUMBERS WERE IDENTIFIED FOR THE UNDEVELOPED AREAS AND ASSUMED A MIXTURE OF GRASS, WEEDS. AND BRUSH FOR HYDROLOGIC SOIL GROUP C. AS THE AREA IS UNDEVELOPED AND NO OTHER NATURAL IMPERVIOUS SURFACES EXISTING, THEREFORE ALL EXISTING BASINS WERE CONSIDERED TO BE 19% IMPERVIOUS, BASINS WERE IDENTIFIED ACCORDING THE MAJOR. DRAINAGEWAYS THAT THEY CONTRIBUTE TO-ARROYOS A THRUE. ALONG WITH THEIR RESPECTIVE TRIBUTARIES.

PROPOSED:

THE INTENT OF THE PROJECT IS TO MAINTAIN ALIGNMENT WITH THE EXISTING TOPOGRAPHIC CONDITIONS AND DRAINAGE PATTERNS. AS SUCH, THE BASIN BOUNDARIES IDENTIFIED IN EXISTING CONDITIONS WILL REMAIN APPLICABLE FOR PROPOSED CONDITIONS.

WHILE SOLAR PANELS ARE IMPERVIOUS, THE INFILTRATION CAPACITY OF THE GROUND SURFACE BELOW THE PANELS IS MATERIALLY UNENCUMBERED AND UNCHANGED. THEREFORE, THE INFILTRATION RATES OR CURVE NUMBER OF THE SITE WILL NOT BE PERMANENTLY ALTERED.

BENCH MARKS

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PROPOSED:

33 of 33 :NT OF THE PROJECT IS TO MAINTAIN ALIGNMENT WITH THE 3 TOPOGRAPHIC CONDITIONS AND DRAINAGE PATTERNS. AS SUCH, THE BASIN BOUNDARIES IDENTIFIED IN EXISTING CONDITIONS WILL REMAIN APPLICABLE FOR PROPOSED CONDITIONS.

WHILE SOLAR PANELS ARE IMPERVIOUS, THE INFILTRATION CAPACITY OF THE GROUND SURFACE BELOW THE PANELS IS MATERIALLY UNENCUMBERED AND UNCHANGED. THEREFORE, THE INFILTRATION RATES OR CURVE NUMBER OF THE SITE WILL NOT BE PERMANENTLY ALTERED.

THE PROPOSED SOLAR FACILITY WILL CONSIST OF ABOVE GROUND MOUNTED SOLAR MODULES AND ASSOCIATED ELECTRICAL EQUIPMENT. THE GROUND SURFACE UNDERNEATH THE PANELS WILL BE OPEN, WITH SURFACE RUNOFF FLOWING UNDERNEATH THE SOLAR ARRAYS. THE AREAS AROUND AND UNDERNEATH THE PANELS WILL BE SEEDED WITH LOW-MAINTENANCE TALL GRASS/HAY THAT WILL MAINTAIN AND, IN SOME AREAS, ENHANCE THE HYDROLOGIC CHARACTERISTICS OF THE SITE. A SMALL AMOUNT OF IMPERVIOUS SURFACE WILL BE ADDED FROM THE GRAVEL ACCESS ROADS AND PADS FOR THE ELECTRICAL EQUIPMENT. THE EXISTING TOPOGRAPHY WILL ALLOW THE PROJECT TO BE DESIGNED TO MINIMIZE GRADING AND PREVENT EROSION. EXISTING DRAINAGE PATTERNS WILL BE MAINTAINED TO THE FURTHEST EXTENT POSSIBLE AND DRAINAGE WASHES WITHIN THE PROJECT BOUNDARY WILL BE AVOIDED.

INCREASES IN IMPERVIOUSNESS FOR THE SITE WILL BE MINIMAL. ON-SITE ACCESS ROADS WILL BE COMPACTED NATIVE SOIL OR GRAVEL SIMILAR TO EXISTING CONDITIONS. THE SITE IS RANGELAND WITH NATIVE GRASSES AND SHRUBS AND ONLY MINOR GRADING IS EXPECTED WITH NO CHANGES TO THE EXISTING SITE DRAINAGE PATTERNS. THE SITE WILL BE MOWED BUT NOT GRUBBED TO KEEP VEGETATION ROOT INTEGRITY AND PROMOTE VEGETATION GROWTH.

THE ADDITIONAL IMPERVIOUS AREA REPRESENTS A VERY SMALL PERCENTAGE OF THE WATERSHED THAT IS CONTRIBUTING TO THE STREAMS PASSING THROUGH THE PROPOSED SITE. THIS INCREASE IN IMPERVIOUS AREA CONSTITUTES A SMALL ENOUGH AREA THAT THE ADDITIONAL IMPERVIOUS AREA FOR THE SITE WILL HAVE MINIMAL IMPACT ON THE EXISTING WATERSHED HYDROLOGICALLY.

LEGEND

DRAINAGE BASIN BOUNDARY

MAJOR ARROYO

SWALE

GENERAL FLOW DIRECTION

INFORMATION AS-BUILT CONTRACTOR 备 REVISION DATE

_	PATTERNS WILL BE MAINTAINED TO THE FURTHEST EXTENT POSSIBLE			
33	Of 33 INAGE WASHES WITHIN THE PROJECT BOUNDARY WILL BE INCREASES IN IMPERVIOUSNESS FOR THE SITE WILL BE MINIMAL. ON-SITE ACCESS ROADS WILL BE COMPACTED NATIVE SOIL OR GRAVEL SIMILAR TO EXISTING CONDITIONS. THE SITE IS RANGELAND WITH NATIVE GRASSES AND SHRUBS AND ONLY MINOR GRADING IS EXPECTED WITH NO CHANGES TO THE EXISTING SITE DRAINAGE PATTERNS. THE SITE WILL BE MOWED BUT NOT GRUBBED TO KEEP VEGETATION ROOT INTEGRITY AND PROMOTE VEGETATION GROWTH.			
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7	LEGEND			
Si	DRAINAGE BASIN BOUNDARY MAJOR ARROYO			
1//	SWALE GENERAL FLOW DIRECTION		DATE	1
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	Bohannan A Huston www.bhinc.com 800.877.5332	DESIGN	DESIGNED BY	
	RANCHO VIEJO SOLAR L DRAINAGE MANAGEMENT		e Cogn	
	ВНІ PROJECT NO. 20230219 DWG NO.		SHE	ETC

santafecountynm.gov &



Basin	Area (ac)	Existing Q (CFS)
Basin A1	51.4	113.0
Basin B1	93.3	155.3
Basin B2	64.4	138.6
Basin B3	48.2	108.9
Basin C1-A	110.0	196.7
Basin C1-B	40.3	92.8
Basin C2	95.9	168.1
Basin C3	120.9	226.8
Basin C4	69.0	141.2
Basin D1	80.4	131.7
Basin D2	143.8	216.5
Basin E1	27.0	73.0

Analysis Point	Existing Q (CFS)
AP-A1	84.5
AP-81	117.8
AP-82	176.4
AP-83	203.9
AP-C1-A	148.4
AP-C2	127.4
AP-C3	423.0
AP-C4	474.5
AP-D1	131.7
AP-D2	345.2
AP-E1	52.5

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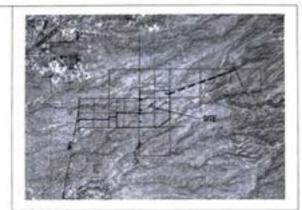


Exhibit 8

Bohannan Huston Site Development Plan; Stormwater Management Plans

SITE DEVELOPMENT PLAN IN SUPPORT OF CONDITIONAL USE PERMIT **FOR** RANCHO VIEJO SOLAR LLC

SANTA FE, NEW MEXICO

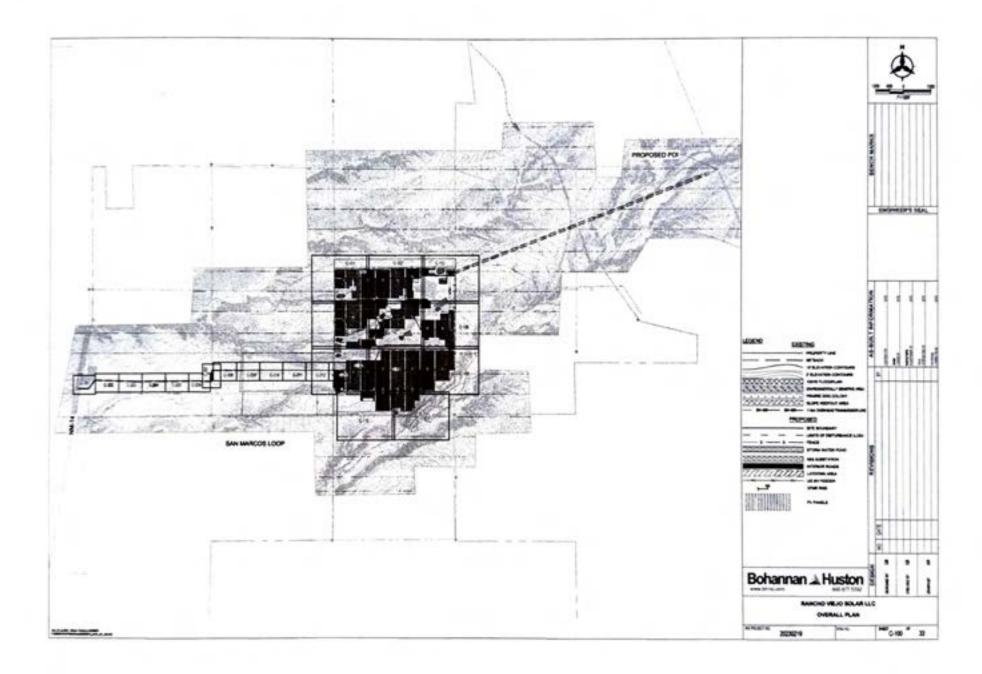


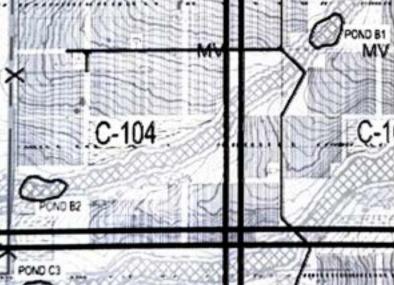
INDEX

SHEET NUMBER		DESCRIPTION
	C-001	COVER SHEET
	C-802 - C-805	SURVEY
	C-100	OVERALL PLAN
	C-101 - C-112	SITE PLANS & CONCEPTUAL GRADING PLAY
	C-113	SITE DETAILS
	C201 - C-213	PLAN & PROFILES
	C-300	DRANAGE MANAGEMENT PLAN



Bohannan & Huston



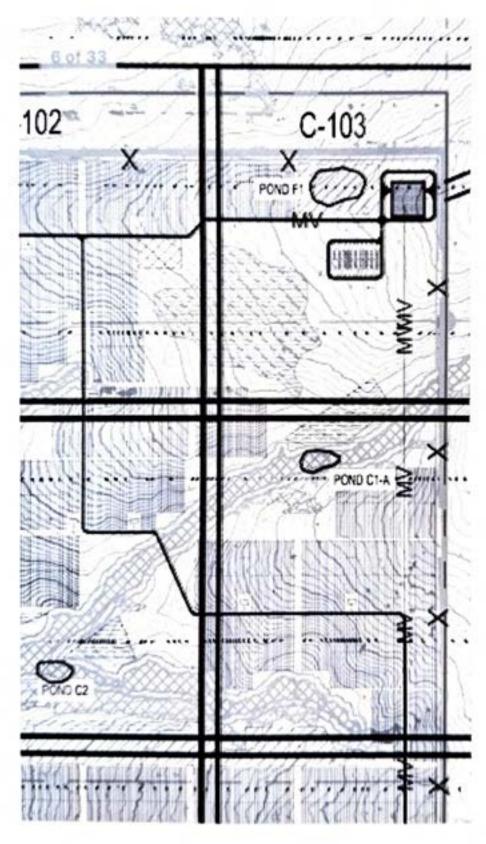


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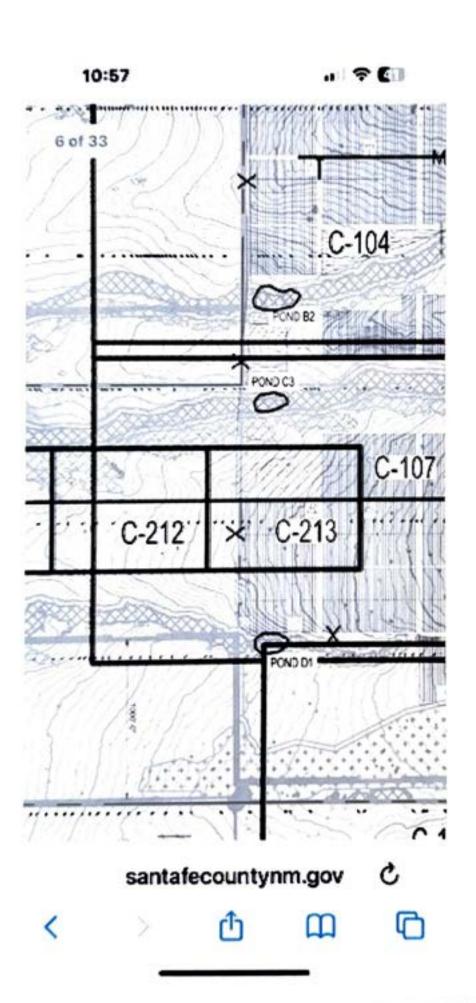








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LEGEND EXIST	PROPERTY LINE SETBACK 10' ELEVATION CONTOURS	AS-BUILT IN		CANMON
PROP	2' ELEVATION CONTOURS 100YR FLOODFLAIN ENVRONMENTALLY SENSITIVE AREA PRAIRIE DOG COLONY SLOPE KEEPOUT AREA 1154/ OVERHEAD TRANSMISSION LINE PROPOSED SITE BOUNDARY LIMITS OF DISTURBANCE (LOO) X X FENCE	REVISIONS) DATE 84	
			2	
Bohannan www.bhinc.com	A Huston 800.877.5332	DESIGN	100000000000000000000000000000000000000	DESIGNED BY CB
R	OVERALL PLAN	LC		
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Exhibit 9

PV Insight Inc. Electrical Design Plan

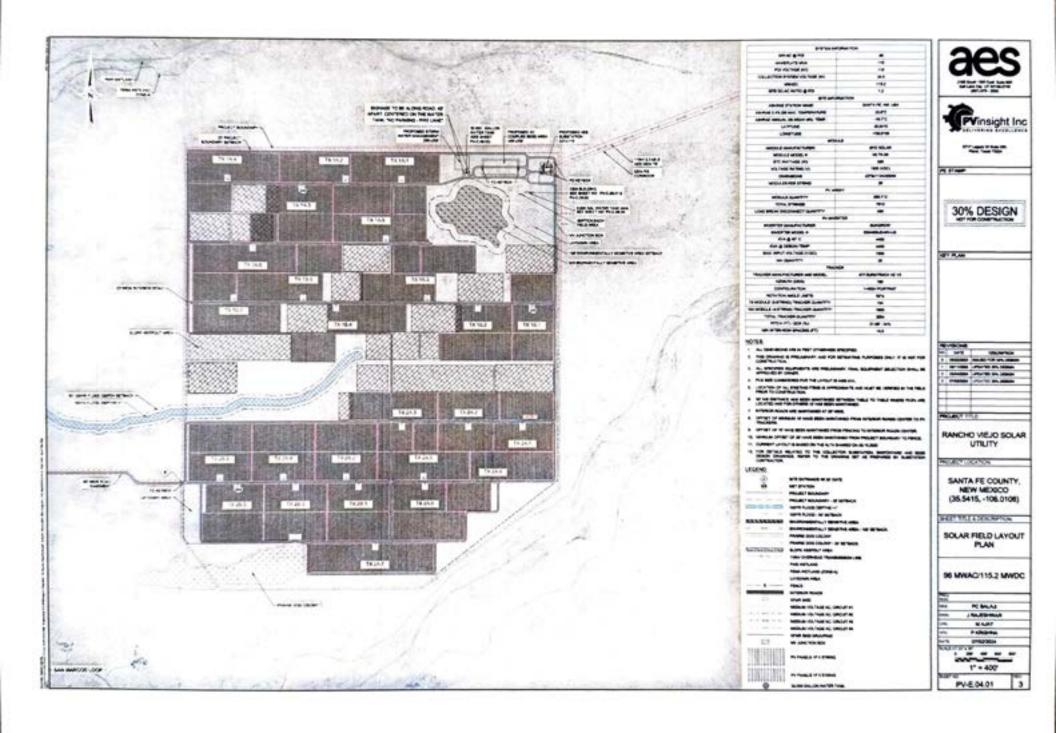


Exhibit 10

Assigned 911 Address with Map



Anna Hansen Commissioner, District 2

Camilla Bustamante Commissioner, District 3

Rev: 1/3/2023



Anna T. Hamilton Commissioner, District 4

Hank Hughes Commissioner, District 5

Gregory S. Shaffer County Manager

910008950

ASSIGNED 911 ADDRESS FORM

This is your Official Physical (911) Address

KEEP FOR YOUR RECORDS

Property Account: _

4152 NM 14

Block: n/a Lot: n/a Tract			
Local Community Name:			
Postal Community Name:	SANTA FE	Postal Zip Code	87508
PLEASE NOTE: This 911 address emergency response personnel. It is address could be a P.O. Box or an emailing address and it is different the Office or visit their website at USPS your mail delivery, please contact your	nay be different from your off-premise mail box). If your an what the Post Office he S.com/move. For more inf	mailing address (for ex ou are using this 911 ad as on file, please update	dress as your your local Post
This form can be provided to any en including, but not limited to: Post Office Motor Vehicle Division Telephone Company Utility Companies	Santa Fe County Bureau of Vital (Birth and Death Santa Fe County	Bureau of Elections Records and Health St	atistics
Santa Fe County updates and mainta the 911 databases is confidential and response personnel.			
If you have difficulty with anyone re assistance at (505) 995-2732 or toll (Section).	free at 1(800) 894-7028 (nis 911 address, please of ask to be connected to t	contact our office for the 911 Addressing
VERIFIED BY: Mark Jurgens - GIS Technic		DATE:	01/17/2023

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