



Sapphire

Energy

IABR PROJECT

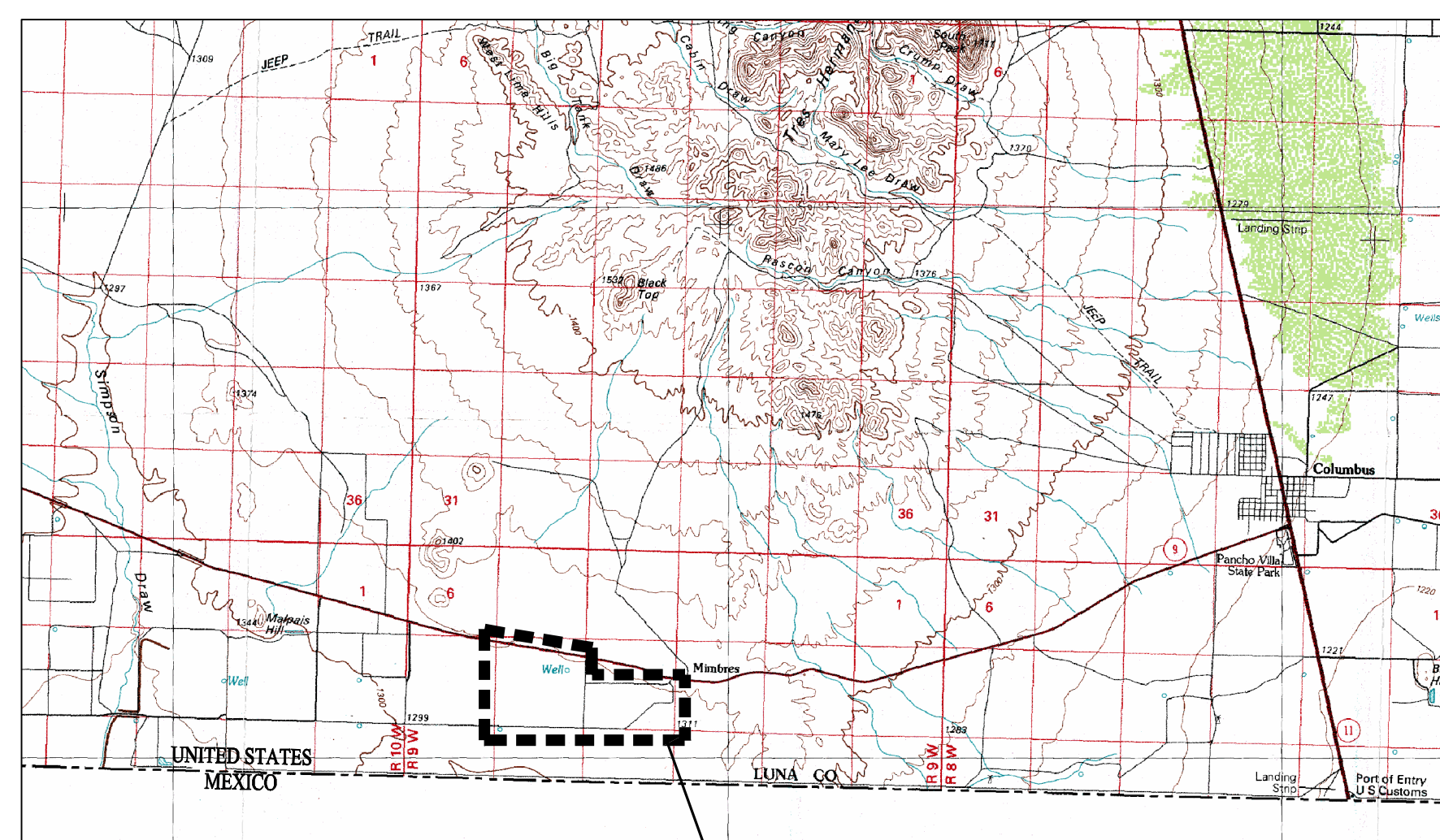
Integrated Algal BioRefinery

STATE MAP



PROJECT LOCATION

VICINITY MAP



PROJECT SITE

PROJECT DESCRIPTION

AN INTEGRATED ALGAE BIO-REFINERY FACILITY FOR CULTIVATION, HARVEST AND EXTRACTION OF ALGAE OIL FOR BIO-FUEL PRODUCTION

PROJECT LOCATION

APPROXIMATELY 8.6 MILES WEST OF COLUMBUS, LUNA COUNTY, NEW MEXICO ON STATE HIGHWAY 9.

CODES

WORK OF THIS PROJECT SHALL COMPLY WITH THE FOLLOWING CODES:

2009 NEW MEXICO COMMERCIAL BUILDING CODE
(BASED ON THE 2009 INTERNATIONAL BUILDING CODE)

2009 NEW MEXICO MECHANICAL CODE
(BASED ON THE 2009 INTERNATIONAL MECHANICAL CODE)

2009 NEW MEXICO PLUMBING CODE
(BASED ON THE 2009 UNIFORM PLUMBING CODE)

2008 NEW MEXICO ELECTRICAL CODE
(BASED ON THE 2008 NATIONAL ELECTRICAL CODE)

2009 NEW MEXICO ENERGY CONSERVATION CODE
(BASED ON THE 2009 INTERNATIONAL ENERGY CONSERVATION CODE)

FIRE CODE OF NEW MEXICO
(BASED ON THE 2003 INTERNATIONAL FIRE CODE)

OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA)

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CODES
- NFPA 36, STANDARD FOR SOLVENT EXTRACTION PLANTS
- NFPA 30, FLAMMABLE AND COMBUSTIBLE LIQUIDS
- NFPA 54, NATIONAL FUEL GAS CODE
- NFPA 58, LIQUEFIED PETROLEUM GAS CODE
- NFPA 704, STANDARD SYSTEM FOR THE IDENTIFICATION OF HAZARDS OF MATERIALS FOR EMERGENCY RESPONSE

PROJECT TEAM

OWNER

SAPPHIRE ENERGY, INC
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CONTACT: RON KLUWE

ENGINEER

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PORTLAND, OREGON 97209
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CONTACT: BOB MCNIESH



ENGINEER

BROWN & CALDWELL
400 EXCHANGE
IRVINE, CALIFORNIA 92602
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CONTACT: MATT GERHARDT



GEOTECHNICAL ENGINEER

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CONSTRUCTION

AMEC POWER AND PROCESS AMERICA
MIDWEST PLAZA BUILDING
800 MARQUETTE AVENUE, SUITE 1200
MINNEAPOLIS, MINNESOTA 55402
(612) 252-3789
CONTACT: DAVID GATTO



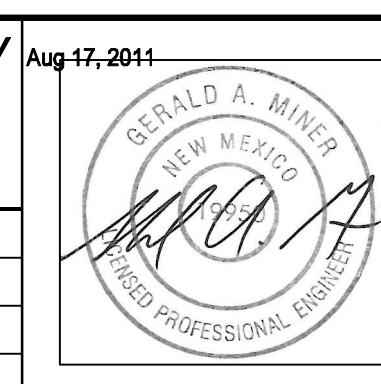
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ISSUED FOR CONSTRUCTION

Plot Date: 8/17/11 By: Miller, Robert File Location: U:\30070.00\Drawings\Gen\00-G-001.dwg

Reference Drawings					Revisions					Revisions				
Drawing No	Title	Rev	Date	By	Description	Rev	Date	By	Description	Rev	Date	By	Description	
		0	8/17/11	CAM	ISSUED FOR CONSTRUCTION									

		SAPPHIRE ENERGY SAN DIEGO CALIFORNIA	
Rev	Date	App'd	Client Approval Milestone



		Harris Group Inc. Engineering for Optimum Performance® www.harrisgroup.com	
Subconsultant:		Check:	CAM/RSM
Drawn:	RAM	Check:	CAM
Engr:	CAM	PMgr:	RSM
Appr:	MWH		

PLANT GENERAL COVER SHEET			
IABR Columbus, NM.			
Project No:	30070.00	Drawing:	00-G-001
Rev:			