



ARCHITECT-ENGINEER QUALIFICATIONS

E. Resumes of Key Personnel Proposed for This Contract <i>(Complete one Section E for each key person.)</i>				
12. Name		13. Role In This Contract	14. Years Experience	
Laurie (Querques) Rulison, GISP		Senior GIS Analyst	a. Total	b. With This Firm
			9	5.5
15. Firm Name and Location <i>(City and State)</i>				
The Onyx Group (San Diego, CA branch office)				
16. Education <i>(Degree and Specialization)</i>			17. Current Professional Registration <i>(State and Discipline)</i>	
BA, Geography, 1998			GIS Certification Institute (GISP)	
18. Other Professional Qualifications <i>(Publications, Organizations, Training, Awards, etc.)</i>				
19. Relevant Projects				
a.	(1) Title and Location <i>(City and State)</i>		(2) Year Completed	
	Twentynine Palms Master Plan Update	Twentynine Palms, CA	Professional Services	Construction <i>(If applicable)</i>
			2003	NA
	(3) Brief Description <i>(Brief Scope, Size, Cost, etc.)</i> and Specific Role		X	Check if project performed with current firm
Project was to examine the current conditions and propose recommendations for MAGTFTC MCAGCC Twentynine Palms facilities at Mainside. Specific role was to create maps for the planning document and provide GIS support.				
b.	(1) Title and Location <i>(City and State)</i>		(2) Year Completed	
	NOLF San Nicolas Island Master Plan	San Nicolas Island, CA	Professional Services	Construction <i>(If applicable)</i>
			2003	NA
	(3) Brief Description <i>(Brief Scope, Size, Cost, etc.)</i> and Specific Role		X	Check if project performed with current firm
Project was to provide comprehensive guidance for the long-range physical development of Nicktown and Public Works area on NOLF San Nicolas Island. Specific role was to create maps for the planning document and provide GIS support.				
c.	(1) Title and Location <i>(City and State)</i>		(2) Year Completed	
	Port Operations Functional Plan and TFR	San Diego, CA	Professional Services	Construction <i>(If applicable)</i>
			2004	NA
	(3) Brief Description <i>(Brief Scope, Size, Cost, etc.)</i> and Specific Role		X	Check if project performed with current firm
Responsible for creating the 50+ maps which are exhibited in the Port Operations Function Plan and Total Facility Requirements documents. Also created SDS-compliant geodatabase layers to be used on the RSIP-Link website.				
d.	(1) Title and Location <i>(City and State)</i>		(2) Year Completed	
	Navy Region Southwest Administration Functional Plan	San Diego, CA	Professional Services	Construction <i>(If applicable)</i>
			2002	NA
	(3) Brief Description <i>(Brief Scope, Size, Cost, etc.)</i> and Specific Role		X	Check if project performed with current firm
Project was to provide a Facility Space Requirements document that justifies the minimum essential spaces required by NRSW and its centralized administrative mission. Specific role was to create diagrams for the Facility Space Requirements document.				
e.	(1) Title and Location <i>(City and State)</i>		(2) Year Completed	
	Navy Region Southwest Training Functional Plan	San Diego, CA	Professional Services	Construction <i>(If applicable)</i>
			2002	NA
	(3) Brief Description <i>(Brief Scope, Size, Cost, etc.)</i> and Specific Role		X	Check if project performed with current firm
Project was to examine the existing Training land use and facility requirements, and provide a long-range vision for the training function. Specific role was to create maps for the planning document and provide GIS support.				



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f.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Navy Region Southwest Ordnance Functional Plan	San Diego, Seal Beach, Ventura County, San Clemente Island, El Centro, Fallbrook, Lemoore, China Lake, CA and Fallon, NV	Professional Services	Construction (<i>If applicable</i>)
			2004	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to examine the existing and future Ordnance requirements and provide recommendations based upon the ordnance mission. Specific role was to create maps for the planning document.				
g.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	San Clemente Island Activity Overview Plan	San Clemente Island, CA	Professional Services	Construction (<i>If applicable</i>)
			2002	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to examine the existing infrastructure and land use, and provide guidance for the future development of the activity. Specific role was to create maps for the planning document and provide GIS support.				
h.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Naval Base Ventura County Activity Overview Plan	Ventura County, CA	Professional Services	Construction (<i>If applicable</i>)
			2002	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to provide an Existing Situation Assessment that identified ways to meet the activity's requirements, increase capabilities, reduce costs, and improve efficiency. Specific role was to create maps for the planning document and provide GIS support.				
i.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Navy Region South RSIP Overview Plan	Texas	Professional Services	Construction (<i>If applicable</i>)
			2003	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to provide a regional infrastructure plan that identifies the long-range strategies and determines the region-wide facility needs and requirements. Also provide an RSIP-Link application. Specific role was to create maps for the planning document and provide GIS support.				
j.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Navy Region Pensacola RSIP Overview Plan	Pensacola, FL	Professional Services	Construction (<i>If applicable</i>)
			2003	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to provide a regional infrastructure plan that identifies the long-range strategies and determines the region-wide facility needs and requirements. Specific role was to create maps for the planning document and provide GIS support.				
k.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Mid-Atlantic Aviation RSIP	Norfolk, VA	Professional Services	Construction (<i>If applicable</i>)
			2004	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to provide a functional and operational long-term plan for air installations within the MIDLANT region, including NAVSTA Norfolk Chambers Field, NAS Oceana, and NALF Fentress. Specific role was to create maps for the planning document and provide GIS support.				
l.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	NSA Mechanicsburg/NSA Philadelphia Overview RSIP	Mechanicsburg and Philadelphia, PA	Professional Services	Construction (<i>If applicable</i>)
			2004	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to provide a comprehensive land use and facility plan to support the long-range vision for the activities. Specific role was to create maps for the planning document and provide GIS support.				



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m.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Large-Scale MOU Feasibility Study	Twentynine Palms, CA	Professional Services	Construction (<i>If applicable</i>)
			2004	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Responsible for creating the maps which are exhibited in the MOU Feasibility document, providing GIS support to the project, and creating 3D views in support of the project.				
n.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Pier Security Feasibility Study, Naval Base San Diego	San Diego, CA	Professional Services	Construction (<i>If applicable</i>)
			2003	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to determine the feasibility of reducing manpower costs and providing a Level 1 Restricted Area along the waterfront at Naval Base San Diego. Specific role was to create maps for the planning document and provide GIS support.				
o.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Naval Special Warfare Center (NAB Coronado & SSTC) Facility Development Plan	San Diego, CA	Professional Services	Construction (<i>If applicable</i>)
			2005	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project description Specific role was to create maps for the planning document and provide GIS support.				
p.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	NAVSPECWARGRU-3 Facility Development Plan	San Diego, CA and Pearl City, HI	Professional Services	Construction (<i>If applicable</i>)
			2003	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Responsible for creating the maps which are exhibited in the NSWG-3 Facility Development Plan. Using the GIS software, some of the maps have been graphically enhanced to promote the conceptual design.				
q.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Commander 3 rd Fleet Ashore Site Analysis Study	San Diego, CA	Professional Services	Construction (<i>If applicable</i>)
			2003	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to address the facility needs and siting options for locating C3F ashore. Specific role was to create maps for the planning document and provide GIS support.				
r.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Tolicha Peak Electronic Combat Range Base Development Plan	Nellis AFB, NV	Professional Services	Construction (<i>If applicable</i>)
			2004	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project Description Specific role was to create maps for the planning document, convert AutoCAD files into geo-referenced GIS files, and provide GIS support.				
s.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	NAF EI Centro RAICUZ Study Update, R-2510 & R-2512	EI Centro, CA	Professional Services	Construction (<i>If applicable</i>)
			2004	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Responsible for creating the 20+ maps which are exhibited in the EI Centro RAICUZ document, and providing GIS support to the project.				



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t.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	NAS Key West AICUZ	Key West, FL	Professional Services	Construction (<i>If applicable</i>)
			2003	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to provide a study that promotes safety and compatible land use between NAS Key West airfield and the community. Specific role was to create APZ files for mapping.				
u.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Whidbey Island AICUZ	Whidbey Island, WA	Professional Services	Construction (<i>If applicable</i>)
			2004	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to provide a study that promotes safety and compatible land use between Whidbey Island and the community. Specific role was to create maps for the planning document and provide GIS support.				
v.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Chocolate Mountain Aerial Bombing and Gunnery Range R-2507 RAICUZ Plan	Yuma, AZ (Range Location Near El Centro, CA)	Professional Services	Construction (<i>If applicable</i>)
			2006	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to provide a study that promotes range safety and compatible land use between the Chocolate Mountain Aerial Bombing and Gunnery Range and the community. Specific role was to create maps for the planning document and provide GIS support.				
w.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Barry M. Goldwater Western Portion R-2301W RAICUZ Plan	Yuma, AZ	Professional Services	Construction (<i>If applicable</i>)
			2006	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to provide a study that promotes range safety and compatible land use between the Western Portion of the Barry M. Goldwater Range and the community. Specific role was to create maps for the planning document and provide GIS support.				
x.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Main Gate (Gate 6) Improvements Engineering Investigation, NAVSTA SD	San Diego, CA	Professional Services	Construction (<i>If applicable</i>)
			2004	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to develop concept alternatives and recommendations for the Main Gate (Gate 6) at Naval Base San Diego. Specific role was to create maps and graphics for the document.				
y.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	VXX System Development and Demonstration Program Facility Planning Analysis	Patuxent River, MD	Professional Services	Construction (<i>If applicable</i>)
			2004	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to examine the existing facilities and those under development supporting the Presidential Helicopter Program. Specific role was to create maps for the planning document.				
z.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	NAS Fallon Encroachment Action Plan	Fallon, NV	Professional Services	Construction (<i>If applicable</i>)
			2005	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to examine the existing encroachment issues surrounding the base and provide recommendations. Specific role was to create maps for the planning document.				

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aa.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Twentynine Palms Drafting and Documentation, Phase I & II	Twentynine Palms, CA	Professional Services	Construction (<i>If applicable</i>)
			2005	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
As Project Manager, responsible for coordination and completion of updating utility maps, scanning archived drawings and specifications, creating an MS Access database, and populating the database with information gathered throughout project.				
ab.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	NAVCENT RSIP-Link, Bahrain	Bahrain, Oman, and UAE	Professional Services	Construction (<i>If applicable</i>)
			2003	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to create an RSIP-Link website and provide the GIS data of the NAVCENT region, including the areas of NSA Manama and Shaikh Isa Airbase in Bahrain, Jebel Ali and Fujairah in UAE, and Masirah in Oman. Specific role was to digitize mapping information from satellite imagery, create SDS-compliant shapefiles and geodatabases, and prepare data for uploading to the RSIP-Link.				
ac.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	NETC NTIP RSIP-Link	Multiple Locations across US	Professional Services	Construction (<i>If applicable</i>)
			2004	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to create an RSIP-Link website and host the GIS data of the Naval Education Training Command. Specific role was to update the cartographic appearance to the existing maps hosted on the website.				
ad.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Twentynine Palms BFR	Twentynine Palms, CA	Professional Services	Construction (<i>If applicable</i>)
			2002	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to examine the existing facilities at Twentynine Palms for their facility space requirements. Specific role was to create diagrams for the document.				
ae.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Naval Special Warfare Group Three BFR	San Diego, CA	Professional Services	Construction (<i>If applicable</i>)
			2003	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to examine the existing NSWG-3 facilities at Naval Base Coronado, Naval Air Station North Island, and the Pearl City Peninsula Pearl Harbor Naval Complex for their facility space requirements. Specific role was to create diagrams for the document.				
af.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	EI Centro Encroachment Action Plan	EI Centro, CA	Professional Services	Construction (<i>If applicable</i>)
			2007	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to examine the existing encroachment issues surrounding the base and provide recommendations. Specific role was to create maps for the planning document.				
ag.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	NAVFAC Europe GIS Data Development	Italy & Spain	Professional Services	Construction (<i>If applicable</i>)
			2006	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to build SDS-compliant geodatabases and provide maps for 10 sites throughout NAVFAC Europe. Specific role was to create correlation matrices, convert CAD to GIS, and build geodatabases.				



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ah.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Naval Base Ventura County Encroachment Action Plan	Ventura County, CA	Professional Services	Construction (<i>If applicable</i>)
			2007	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to examine the existing encroachment issues surrounding the base and provide recommendations. Specific role was to create maps for the planning document.				
ai.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Naval Base Ventura County Activity Overview Plan Phase II	Ventura County, CA	Professional Services	Construction (<i>If applicable</i>)
			2006	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project description... Specific role was to create maps for the planning document and provide GIS support.				
aj.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Naval Station North Island and Naval Outlying Landing Field Imperial Beach AICUZ Update	Coronado and Imperial Beach, CA	Professional Services	Construction (<i>If applicable</i>)
			2006	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to provide a study that promotes safety and compatible land use between NASNI/NOLFIB and the community. Specific role was to create maps for the planning document and provide GIS support.				
ak.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	A&B Properties GIS Development	Hawaii	Professional Services	Construction (<i>If applicable</i>)
			2007	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project involved performing a needs assessment, data collection, and building a customized web-based GIS site using ArcGIS Server. Involved in all portions of data investigation, collection, and map building.				
al.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	National Flood Insurance Program for DLNR Hawaii	Hawaii	Professional Services	Construction (<i>If applicable</i>)
			2007	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project was to provide a web-based GIS site for the DLNR's NFIP in Hawaii, which involved creating and collection of GIS data, georeferencing DFIRMs, map creation, and hosting of the site. Involved with most portions of this project.				
am.	(1) Title and Location (<i>City and State</i>)		(2) Year Completed	
	Galley Bay Resort, Antigua GIS Development	Antigua	Professional Services	Construction (<i>If applicable</i>)
			2007	NA
	(3) Brief Description (<i>Brief Scope, Size, Cost, etc.</i>) and Specific Role		x	Check if project performed with current firm
Project involved performing a needs assessment, data collection, and building a customized web-based GIS site using ArcGIS Server. Involved in data investigation and collection, satellite imagery acquisition, and map building.				

Previous Experience:

Ms. Querques worked in the private sector before joining The Onyx Group team. Her previous experience in mapping projects includes:

- GIS mapping of Peoria, IL; East Peoria/Pekin, IL; Cook County, IL; Amherst, MA; Reading, MA; Stamford, CT; Lewis and Clark County, MT; and Sonoma County, CA.
 - 2000-2001
 - All projects involved geospatial data editing in CAD and GIS applications.
- Ortho-rectification of aerial photographs for Sonoma County, CA.
 - 2001
 - Project coordinator and ortho photo analyst for this project.
- Map publishing and cartography for Colorado Front Range cities; including Denver, Boulder, Ft. Collins, Greeley, and Pueblo.
 - 1998-2000
 - Digital cartographer using CAD and GIS applications on all maps created by map publishing company.