Northwest Datum & Design, Inc.

Statement of Qualifications

January 1, 2010

Civil Engineering
&
Surveying Services

Northwest Datum & Design, Inc. Profile

Established in 1992, Northwest Datum & Design, Inc. (NDD) specializes in civil engineering and surveying. Our primary objective is to provide excellent personal service tailored to meet our client's goals and objectives. Within our primary service area of Whatcom, Skagit, Island, San Juan and Snohomish Counties NDD provides a complete range of civil engineering and surveying services.

Services

Civil Engineering Design Services

Project Planning & Permitting
Erosion/Sedimentation Control Plans
Hydrology and Hydrologic modeling
Road Design
Sewer Systems
Storm Drainage Systems
Stream Enhancement & Relocation
Water Systems

Land & Boundary Surveying

Long and Short Plats
Lot Line Adjustments
Property Surveys
Binding Site Plans
Site Plans
ALTA Surveys

Project Management/Planning and Permitting

Annexations
Conditional Use Permits
Construction Management
Construction Inspection
Contract Document Preparation
Fill and Grade Permits
Hydraulic Project Applications
SEPA Checklists
Variance Applications

Construction Surveying and Mapping

Elevation Certificates
Topographic Surveys
Base Mapping
Cadastral Surveys
Design Data Surveys
Route Location Surveys
Construction Staking and Layout

NDD professionals operate with maximum flexibility to provide sound alternatives and solutions to complex projects that meet project goals, schedule and budget. NDD consistently demonstrates professional capability to perform, as evidenced by our client base. To accomplish this we have based our company on principles and values that promote high moral and ethical standards, quality control processes and interdependence in the project team. Provided below are lists of representative projects showing our design experience for roads, parking/site grading plans, and permitting. Staffs' relevant work experience prior to working at NDD is listed under the individual's work experience.

Civil Engineering Design Services

Representative Projects

2009 6th Street Ferry Holding Road Design, Anacortes
2009 NCTA Anacortes Campus Marine Technical Center
2009 NCTA Mount Vernon Campus Marine Technical Center
2008 Double Barrel BBQ, Burlington
2008 Zero-Energy Builders - Main Street Cobblestone Cottages Site Design, Coupeville
2008 Hiline Homes - Andis Road Site Design, Burlington
2007 Brothers United Complex, Shelton
2007 HB Jaeger Company - Lot 16 & 17, Burlington
2007 City Comforts - Gilke Road, Burlington
2007 Fisher & Sons - Valley Oldsmobile & Cadillac, Burlington
2007 Anacortes School District - Mount Erie Elementary, Anacortes
2007 Landmark - West Park Plat, Sedro-Woolley
2006 Jacosa Lane Subdivision, Mt. Vernon
2006 Olander, Kevin - Lots 37 & 38 Parker Bus Center, Mt. Vernon
2006 KT Development – Harbor Station - 7th Ave NE & SR20 - Oak Harbor
2006 Walgreens - Site Grading Plan, Oak Harbor
2005 Landmark – Pine Valley Long Plat, Concrete
2004 Churchill, George - Coupeville Reserve, Coupeville
2004 Axthelm, Jim - LaVenture Long Plat, Mt. Vernon
2004 Alan N. Perkes - Edge Analytical Site Plan, Burlington

* All Projects listed under Civil Engineering Design Services are examples of Planning & Permitting.

Civil Engineering Design Services
Representative Experience

Northwest Career & Technical Academy – Marine Training Center, Skagit Valley College Campus, Mount Vernon & Anacortes Campus, WA
Two project site designs were completed for the Northwest Career & Technical Academy Executive Board (A Union of the Seven School Boards in Skagit County). Both of these projects were designed utilizing the Washington State School Protocol point scoring for LEED compliant projects. The elements of the project site design were the access, parking facilities, site grading, bus route circulation, curb & gutter improvements, adjoining municipal road improvements, and the stormwater design consisting of downstream hydraulic analysis of the existing waterways, water quality and stormwater detention. Close coordination with the landscape architect, mechanical, electrical & structural consultants was necessary in completing a unified design for the project. Specifications were completed for the civil components with the architect completing the building specifications.

Project administration for this project is ongoing at this time. As the Civil Construction Manager of this project, the complete civil site design responsibilities of pay request, construction inspection, progress reports, and inspection of work & installation schedules are completed and relayed to the owner via construction reports.

Harbor Station
Oak Harbor, WA
Harbor Station is a Commercial site plan for a five building complex on a 3.5 acre site. The objective of the project was to minimize the construction cost of development by matching the natural slope and by incorporating low impact development standards to reduce the size of underground detention. This site has been used as a model site for the EPA's LEEDs technology for storm drainage. Design consideration required by the City of Oak Harbor was to reduce the storm water discharge from the site below Department of Ecology's Drainage Manual Standards, because of downstream conveyance constraints and downstream flooding.

The unique elements of this site are the uniformly dispersed rain garden areas located between the parking and traveled routes, the use of shallow open bottom arch pipes and permeable fill for the detention system, and the circulation route for traffic off dead end streets within the City of Oak Harbor. The site design addressed the city's design requirements and actually exceeded treatment and detention criteria. Both the high level of water quality provided by the rain gardens and the minimal depth detention system built above the shallow water table provided a cost effective construction solution for drainage. Traffic flow through the project site located off the north end of Izett Street next to North Whidbey Middle School created an aesthetic tie of Izett to NE 7th Street to the north. The site was designed to provide full ADA access through the site, plaza and retail shopping.

Valley Cadillac Buick Pontiac GMC
Burlington, WA
Northwest Datum & Design, Inc. provided design for the development of the Valley Cadillac car dealership in Burlington. The development included complete design for stormwater, sanitary sewer, water line extension, and design of three municipal roads fronting the project including design for the revision of two existing intersections. The site is situated in a unique location, adjoining Interstate 5 and the George Hopper Interchange. Coordination with WSDOT and the City was addressed to define the location of the future south bound off-ramp as well as to address the design requirements for the Bouslog / McCorquedale frontage road design for right through lane movements and change direction plans. The road design consisted of three different road sections for the major collector feeding the I-5 George Hopper Interchange/Overpass, collector street for the retail/commercial roadway tied to I-5 George Hopper overpass, and the Bouslog / McCorquedale collector roadway for the I-5 Frontage Road.

Offsite drainage routes required feasibility evaluations of alternatives. As part of this analysis it was determined that one of the existing conveyance systems required upgrading the outfall pipeline in order to convey the undeveloped site runoff while the other route was not viable because of private ownership of drainage routes and detentions. This drainage analysis coupled with the cost estimate of alternatives resulted in the decision to utilize the natural soil capability to infiltrate stormwater runoff. The inclusion of an open-bottom plastic pipe arch system was designed to economically collect, detain, retain and infiltrate 100% of the site's stormwater. Water quality was provided by sheet flowing stormwater runoff to rain gardens or by using the existing native soil as a sand filter.

6th Street, "H" to "K" Avenues
Anacortes, WA
The design of 6th Street was an ARRA funded project initiated by the City of Anacortes. The objective of the project was to provide defined parking and holding lanes for the Guemes Ferry and provide defined parking for the adjoining private residences. Design considerations included existing driveways and walkways where 100 year old residences were built on the street right of way and storm drainage for the essentially flat street profile. The project was designed to maintain the present constructed street width from back of sidewalk to back of sidewalk thereby minimizing impacts to residences property improvements within the street right of way.

The City of Anacortes provided the coordination with the legislative authorities of WSDOT, Skagit County and the adjoining residences. NDD provided the technical assistance for the surveying, mapping, construction plans, construction cost estimates, and specifications.

Project Management / Planning & Permitting

Representative Projects

2009 NCTA Anacortes Campus Marine Technical Center
2009 NCTA Mount Vernon Campus Marine Technical Center
2009 Dimensional Communications - Anderson Road Site Plan, Mt. Vernon
2008 Double Barrel BBQ, Burlington
2008 Zero-Energy Builders - Main Street Cobblestone Cottages Site Design, Coupeville
2008 Bowen - Sterling Road SP, Sedro-Woolley
2007 Dralle –Trumpeter Heights - Clear Lake Long CaRD / Drainage / Road/Water, Sedro-Woolley
2006 Jacosa Lane Subdivision, Mt. Vernon
2004 Dellinger, JC - UGA Application
2004 Churchill, George - Frostad Pond 43 Lot Long Plat, Oak Harbor
2004 Big Lake Investments, LLC - Long Plat, Big Lake

* All Projects listed under Civil Engineering Design Services are examples of Planning & Permitting.

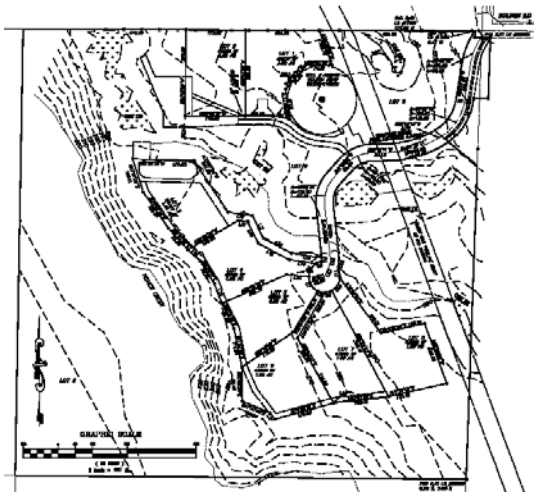
Project Management / Planning & Permitting
Representative Experience

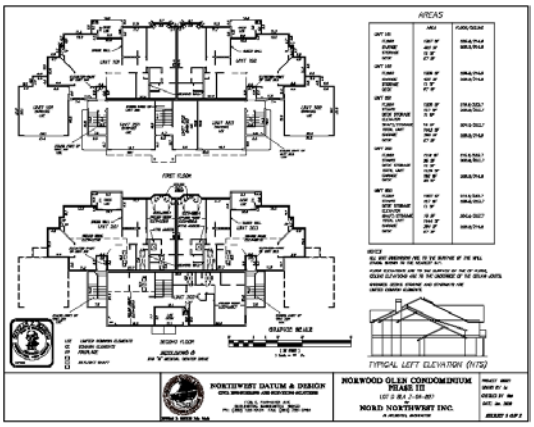
Northwest Career & Technical Academy (NCTA) – Marine Training Center, Skagit Valley College Campus, Mount Vernon & Anacortes Campus, WA
Two campuses were permitted for these specifically legislated funded projects for K-12 educational facilities. The civil site plans were specifically fast tracked ahead of the building permit application to ensure the grading permit was issued on schedule with the building permit. Plan review of the projects was completed by both local agencies addressing permit requirements for site layouts, storm drainage, sewer, water, open space, and fire protection. To complete the project for fall quarter the NPDES Notice of Intent application/permit was applied for.

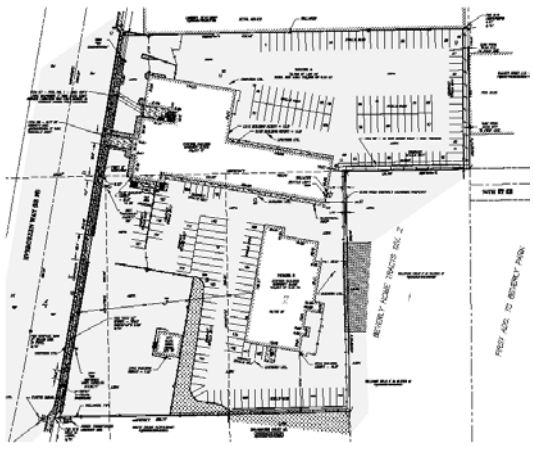
Frostad Pond
Oak Harbor, WA
Inside the City of Oak Harbor, Frostad Pond is a private development of 45 residential lots on a ten-acre site. The project design includes topographical and property surveys, as well as civil engineering design for roads, sewer, water, storm drainage, and the conceptual layout of the plat. The project site was mildly sloped and the main challenges entailed tying to an existing gravity storm drainage system, upgrading a sewer lift station, and maintaining the hydrologic balance of a 3½ acre Category 1 wetland and pond. To preserve the historic pond and wetland, stormwater was directed from the onsite detention pond and from other strategic points into the wetland to enhance the wetlands hydrology. Hydraulic modeling of the drainage system was completed to address dynamic water levels and backwater surface profiles.

Trumpeter Heights
Sedro-Woolley, WA
This was a complex project designing a residential long CaRD plat involving 10 one acre lots on a 72-acre parcel. Eight lots are clustered on a ridge overlooking Clear Lake; two additional lots higher on the ridge actually overlook Whidbey and San Juan Islands. Design work included storm drainage for the entire 72-acre plat, plus pass-through of upstream off-site drainage basins, as well as a booster pump station to supply water to the two upper lots. Road designs included 20-foot gravel county roads, with half-mile-long extended paved driveways to the upper lots. To accommodate emergency-vehicle access to the upper lots, a concrete slab deck and steel formed bridge across a fish-bearing stream was designed. This project required HPA, Critical Areas, building, SEPA, and grading permitting processes.

Land & Boundary Surveying







Representative Projects

2008 Salt - N. Gardner Road, Burlington
2008 Mock/Richardson - Oaks Ave, Anacortes
2008 Quiet Cove Road SR20 spur, Skagit County
2008 Horizon Group Properties - Skagit State Bank ALTA Survey, Burlington
2007 Prime Retail LP - Retail Outlet ALTA Survey, Burlington
2007 URS - Tacoma Monitoring Well Locations, Tacoma
2007 Landco LP - Chevrolet Car Lots ALTA Survey, Everett
2007 Accuwest Pacific-Boundary & Construction Staking, Mt. Vernon
2007 Murphy, Wayne - Boundary Recovery, Carnation
2007 Redstone - Chuckanut Mountain, Skagit County
2007 Ross - 30th Drive NW, Stanwood Boundary Recovery, Stanwood
2007 Calendar Construction - Topo - Canning Lane Quarry, Rockport
2006 Nord NW - Arlington Condos, Arlington
2006 Water & Wastewater Services - Survey - DelMar Water Extension, Fidalgo Island
2006 Water & Wastewater Services – Survey Camano City Water, Camano Island
2006 Millbrook Assoc. Inc. - Condo Survey, Vancouver, WA
2006 Christ, Mark - Calvary Baptist Church, Burlington
2006 R.W. Thorpe – Blain Property, Topo & ALTA Surveys, Blaine
2006 Walgreen's – ALTA Survey, Shoreline
2006 Calendar - Challenger Rd, Skagit County
2006 T. Bailey Construction - Building Staking, Anacortes
2006 Foushee - Guemes Island Boundary, Anacortes
2006 Gateway Plaza Property & Topo Survey, Oak Harbor

Land & Boundary Surveying
Representative Experience

Pine Valley
Concrete, WA
This 27-acre subdivision of 123 lots plat is located in the Town of Concrete. Conceptual site design done for this project addressed lot layouts, road, water, sewer, and storm drainage design. Effective land use and planning were at the core of this project. The road system design created a vital emergency route for the Town of Concrete's high school. It also provided an opportunity to dedicate green space within the city. Based upon the survey and what would be best for all interested parties a trail system was designed in the green space and for direct access to the High School property.

The property survey for this project addressed the proportional layout of old plat lots, blocks and streets as well as retracement of adjoining surveys. A topographical survey for the site was prepared for the site as well as ½ mile of offsite roads. A 120 plus lot layout with open spaces, lots and roads was prepared in accordance with the City of Concrete's standards.

The storm drainage design categorized as low impact development, being 100% infiltration to native soils was designed so individual lots would be graded to retain stormwater onsite while infiltration within the road right of ways will detain and treat street runoff. Off-site improvements were included to aide in future improvements for streets, water line extensions to upgrade the city's existing water system and a sewer lift station.

Challenger Ridge
Concrete, WA
This comprehensive survey project encompassed multiple aspects including; section subdivisions, establishment of Government lots, establishment of high water marks on the Skagit River, location of State Route 20 right of way, establishment of the County road "Challenger Road" right of way, establishment of the railroad grade right of way for the new transition rail to trails path to the Town of Concrete, location of critical areas for steep slopes and wetlands and the survey of the over all property boundaries including the proposed 13 lot Long CaRD plat. This project encompassed numerous legal elements and interpretation of boundary law for water, right of ways, section subdivisions and occupation / property ownership.

Dimensional Communications
Mount Vernon, WA
To address the expansion of the existing light manufacturing expansion, a Boundary Line Adjustment (BLA) was completed reconfiguring the existing short plat. The BLA process included planning considerations for the site plan permit requirements for access, drainage, open space and future land use.

Construction Surveying & Mapping

Representative Projects

2009	Scarsella Brothers – Quiet Cove/SR20, Anacortes
2009	Ebenal General – WWU Buchanan Towers, Bellingham
2009	Dennis R Craig – Cascadian Way Pedestrian, Snohomish County
2009	Corstone – Brier Fire Station #18
2009	Dennis R Craig – 180th Street SE, Snohomish County
2009	Ebenal General – 156th Street Firestation, Lynnwood
2008	GG Excavation - North Burlington Blvd. Improvement, Burlington
2008	HB Hansen - Lions Park Improvements, Stanwood
2008	Whatcom Falls Park Restroom & Playground, Bellingham
2008	2008 Playgrounds - Cornwall & Carl Lobe Parks, Bellingham
2008	Old Woodway Park, Edmonds
2008	Administration Building Sitework - Deception Pass State Park, Oak Harbor
2008	Grove & 67th Ave Intersection Improvements, Marysville
2008	City of Everett - Sewer System Capacity Improvements, Everett
2008	Port of Skagit - Airport T-Hangars, Skagit County
2008	Stillaguamish Tribe - New Counseling Center, Arlington
2008	Camano Ave Walkway, Langley
2008	Seaway Center, Everett
2008	Smokey Point Retail, Marysville

Construction Surveying & Mapping
Representative Experience

Western Washington University – Buchanan Towers
Bellingham, WA
As a subcontractor to Ebenal General, Northwest Datum & Design provided construction staking focused on the structural layout for four buildings: one single story structure integrated with the existing structure, and three five story towers for student housing. Layout surveys required stacking auger cast piling, foundations, subsequent floor elevations and, as constructed, certifications for each of these elements. The general construction staking for site grading, detention vaults, storm drainage structures, sewer, water, sidewalks, paving and curbs were also included.

North Burlington Boulevard
Burlington, WA
As a subcontractor to GG Excavation, Northwest Datum & Design provided surveying for the improvements along North Burlington Boulevard between SR-20 and SR-11. The project included the first round about within Burlington City. The staking requirements were to provide verification of horizontal and vertical control as well as provide staking for storm drainage, sewer force mains, sidewalks, road, retaining wall, relocating utilities, striping, signage and staking the round about. The staking process provided design quality control of the project by identifying grading issues for road, curbs, and storm drainage facilities. Early execution of survey layout allowed timely notice to the road design engineers allowing them time to resolve conflicts before construction delay occurred for the contractor.

Airport T Hangars
Skagit County, WA
As a subcontractor to Faber Brothers Construction, Northwest Datum & Design provided surveying services utilizing the latest robotic and laser technology for site improvements and development at the Port of Skagit. The staking requirements were to provide verification of horizontal and vertical control for construction activities. Construction staking activities involved staking the new aircraft hangar, grading for new pavement between the hangar and taxi way as well as the stormwater runoff system. Due to the use of the facility by aircraft it was vital to keep tight control on the horizontal and vertical points staked. Using the most current software provided for efficient and seamless project execution from field to finish.

Professional Summary

Douglas E Schwind
Professional Engineer (P.E.)
Professional Land Surveyor (P.L.S.)

Education
B.S., Civil Engineering,
University of Idaho

Continuing Education:
CE 562 – Advanced Foundation Engineering – Moscow, Idaho
CE 421 – Engineering Hydrology – Moscow, Idaho
CE 566 – Earthquake Engineering – Moscow, Idaho
Project Management Professional – complete accredited PMBOK training

Registration
Professional Engineer (P.E.)
Washington (#28023),
Montana (#9953),
Idaho (#6854)

Professional Land Surveyor (P.L.S.)
Washington (#28023),
Montana (#9953),
Idaho (#6854)

Doug has over 35 years of experience in the engineering and surveying profession. He has a diverse background in the Civil Engineering fields of road, storm drainage, gravity sewer, & site grading planning and designs. Doug is a well-versed civil engineer and understands client concerns regarding schedules and budgets as well as objectives for aesthetics, quality and constructability. He has been an expert witness in the areas of storm drainage and construction plan preparation. Over his career, Doug has developed considerable experience in the following major areas of engineering:

- Hydrology and hydrologic engineering for storm drainage design for commercial site plans and private subdivisions. Project designs have been completed for regional basins, roads, and small onsite storm drainage projects.
- Preparation of construction plans for site grading, gravity sewer systems, sewer lift stations, water distribution systems for potable water, and bid specifications for construction.
- Contract administration and construction inspection for roads, site grading plans, water, & storm drainage.
- Permitting for regulatory requirements, project construction including the following partial list of permits: Critical areas, JARPA, SEPA, Grading, Plats, NPDES, Shorelines, Forest Practice and road access.
- Conceptual design for commercial site, K12 school sites, subdivision layout of lots, roads and utilities.
- Land and Topographical surveying for private and public projects for boundary establishment, land use planning, and mapping for construction design and plans.
- Construction Management, Value Engineering and Cost Estimating for Civil Engineering projects.

Project Experience
Doug has been the main Project Manager and Chief Civil Engineer for NDD since 1992 and all projects presented in this SOQ is representative of his project management and design experience.

Kimberly D McKinnon
Project Manager

Education
B.S., Mechanical Engineering, 1990, The University of Texas at Arlington

Registration
Engineer in Training, Texas, 1990

Certification
Certified Erosion & Sedimentation Control Lead

Training
University of Washington Transpeed Program:
Hydrology and Basic Hydraulics 2002
Fundamentals of Traffic Engineering, 2002

Washington State Department of Transportation Training (WST2):
Construction Documentation, 2002
Environmental Process for Federal Aid Projects, 2003
Environmental Overview for Local Agencies (LAG), 2003
Grant Writing, 2002
Local Agency Guidelines (LAG) Training Conference, 2008

American Public Works Association:
Manual of Uniform Traffic Control Devices (MUTCD), 2003
Contract Administration, Small Works Roster Programs, 2004
Federal Requirements Workshop, 2005

Kim has 19 years engineering experience in design, manufacturing and construction management. Kim's experience includes design and construction of public works projects including project scoping, grant application, project design, preparation of plans, specifications and estimates (PS&E), project permitting, bidding and bid tabulation, construction management, grant management and project documentation control for compliance with state and federal funding requirements.

Kim has 7 years experience managing public works projects in Washington State, specializing in state and federally funded projects that have environmental or funding nexus that require extra supervision.

- Preparation of construction plans for parks, paved and raised trails, roadway improvements including bike lanes, curb, gutter and sidewalk, sewer systems including lift stations, storm sewer and storm water treatment design, specifications and bid packages.
- Contract administration and construction management for civil engineering and construction projects. Reviewed and approved contractor invoices for progress payment
- Contract administration and project management of consultant contracts for master plans, studies and design phase for multiple facilities and projects. Reviewed and approved consultant invoices for progress payment.
- Project permitting including the following partial list of permits: Critical areas, JARPA, SEPA, NEPA, Grading, NPDES, EIS and Shorelines.
- Performed engineering review of plats and development plans for compliance with applicable codes and standards. Reviewed temporary erosion and sedimentation control plans and storm water site plans for compliance with Department of Ecology Stormwater Management Manual for Western Washington (SWMMWW).

Project Experience – Anacortes, WA

- Thompson Trail & Trestle Retrofit, APWA WA Chapter Project of the Year 2006, Under $2M – Managed project permitting including NEPA process for construction near endangered species, cultural resources survey with archeological and historic structures, and construction over navigable waterway. Designed and constructed 12' wide asphalt trail on abandoned railroad grade including restroom facility, stormwater system, boardwalk and guardrail on trestle spanning Fidalgo Bay, providing ADA access to

shoreline. Prepared grant reimbursement requests including supplemental documentation. Project was built with grant monies from state and federal funds.

- H Avenue Widening Project, 32nd to 41st Street- Reconstructed road cross section adding bike lanes, curb gutter and sidewalk on both sides, utility extensions. Relocated COE stream from a roadside ditch and created new stream bed, fish culvert, habitat enhancement and wetland mitigation. Prepared grant reimbursement requests including supplemental documentation. Project was built with grant monies from state funds.
- Reservation, Stevenson & Thompson Road Sewer Extension – Constructed gravity sewer along Reservation, Stevenson and Thompson Roads South of Highway 20. Project included directional drill of sewer line across highway and wetland and wetland buffer mitigation.
- Guemes Channel Kiwanis Park – Worked with Parks department to provide an ADA accessible trail, parking and kayak access to beach adjacent to Guemes Ferry Terminal. Prepared bid package and advertisement. Project included storm water improvements, incorporation of native plantings, asphalt trail with landings and midden protection.
- Anacortes Water Treatment Plant Improvements Project – Managed scoping and design phases of project. Worked with stakeholder team and consultant to develop design concepts and relative costs for implementation and operation to meet 20 year demand for water, based on census growth predictions. Reviewed proposals and consolidated stakeholders comments to develop recommendation of design. Included stakeholder requests to improve electrical reliability, emergency operations and maintain quality of water under all intake conditions.
- Anacortes Waste Water Treatment Plant Odorous Air Duct Replacement – Managed design and construction contracts for construction of new odorous air duct to comply with directive from Northwest Clean Air Authority. Reviewed submittals of system components. Inspected components and materials to be incorporated into project.
- Managed the Anacortes NPDES Permit Compliance Program to meet requirements of City's NPDES storm water permit (Washington Department of Ecology National Pollutant Discharge Elimination System). Prepared annual reports, storm water management plans, educational materials, implemented employee training, recommended revisions to the City code necessary for compliance.

Ray House
Design Drafter

Education
Self Taught and On-The-Job training

Professional Summary
Ray has 18 years of design and drafting experience for a variety of public and private projects. His work experience and technical training have been fully utilized in the construction documentation process of projects such as highway and road improvements, land development and parking lot design. Ray's other responsibilities also include input with time and budget proposals and has knowledge of the design requirements for several jurisdictions including the Americans with Disabilities Act.

Ray is highly motivated, committed and self taught with experience in several fields; most of his technical training was on the job through the petrochemical industry. He is skilled in the architectural field, and is knowledgeable in the electrical and structural fields as well. With this knowledge, Ray has a better understanding of a project in its entirety. Rather than seeing a project from only a civil or structural engineer's point of view, it is seen from all fields; thus, having a better understanding of all the parties involved.

Project Experience
- NCTA Mt Vernon & Anacortes, WA
- Walgreen's of Oak Harbor, WA
- Harbor Station of Oak Harbor, WA
- Popeye's Chicken of Burlington, WA
- Mt. Erie Elementary School for the Anacortes School District of Anacortes, WA
- Hermie's Oriental Store and Gift Shop of Oak Harbor, WA
- Central Whidbey Island Fire & Rescue Combined Station #51 of Coupeville, WA
- Au Sable Institute of Coupeville, WA
- Fraser's Gourmet Hideaway of Oak Harbor, WA
- Coupeville Annex Building and Memorial Plaza of Coupeville, WA
- LDS Church for San Bernardino, CA and in the Salt Lake City Area
- A New 3000 student high school for the City of Temecula, CA
- New Maintenance OF Way building for the City of Temecula California's public works department.
- Several Mini Storage units in the Southern California Region
- Electrical and lighting for the Bellingham School District of Bellingham, WA
- The Old Main Building and the Performing Arts Center for Western Washington University, WA
- Electrical and Lighting for GTE in Washington state.
- Semiahmoo Golf Resort in Blaine, WA
- Arco Refinery in Carson, CA

The new design or remodel of nearly 40 homes.

Brian Zaugra
Survey Technician

Education
B.S., Photography, 2002
Montana State University

B.S., Horticulture: Landscape Design, 2000
Montana State University

Brian's educational focus included Architecture, AutoCAD, Surveying, Site Development, Engineering and Mapping. Since coming to Northwest Datum & Design in 2006 Brian has been involved in both field and office work for projects. Project work encompasses layout of survey information for fieldwork taken from legal descriptions, previous surveys, title reports and engineering plans. Legal research, proposals and proposal takeoffs are also included in his work. Projects completed include, ALTA surveys, FEMA certificates, boundary line adjustments, Record of surveys, Topographical base maps, condominium survey, short & long plats, and layout of construction surveys. Brian is skilled in current technology in operation of robotic survey instruments and utilization of AutoCAD/LDD design software.

Project Experience
Field experience includes boundary, topographical, asbuilts and construction surveying.

Party Chief responsible for construction staking and layout for:

- WWU Buchanan Towers in Bellingham, WA
- Walgreens in Lake Stevens, WA
- SR20/Quiet Cove Road in Snohomish County, WA
- 180th Street SE in Snohomish County, WA
- 156th Street Fire Station in Lynnwood, WA
- Cornwall & Carl Lobe Park in Bellingham, WA
- Sewer Capacity Improvements in Everett, WA
- New Counseling Center for the Stillaguamish Tribe in Arlington, WA
- Burlington Boulevard Roundabout in Burlington, WA
- 100th Ave NE/99th Place NE in Kirkland, WA
- Shoreline Community College Automotive Center in Shoreline, WA

Survey Technician and Design Drafter for:

- Rhodes Road, Sedro-Woolley Record of Survey
- NCTA Mount Vernon & Anacortes Campus in Skagit County, WA
- Lewis Hall for Skagit Valley College in Mount Vernon, WA
- Sterling Road Short Plat in Skagit County, WA

References

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