

Pacific West LLC



Working Journal

CMT 4890- Practicum



Profile



Pacific West LLC

Construction, Environmental & Recycling



Our Major Clients



Rocky Mountain



**ROCKY MOUNTAIN
POWER**



WAVE

Wireless Advanced Vehicle Electrification



Locations

Salt Lake City Office

1515 W. 2200 S. suite C.
Salt Lake City, UT 84119



Erda Sand and Gravel Office, Shop and Pit

5500 Utah 36
Tooele, UT 84074



Spencer Easton



I have been at Pacific West off and on since 2006 I began as a labor and started getting trained as an operator. I started at Weber State University and they hired me as a Project & Design Engineer intern. I will finish school and hope to be a more integral part of the operations . I am married and have a 9 month old daughter. I am fluent in Spanish and that has really helped me in this industry.



Personnel



Pacific West LLC

CEO: Jay Harwood



Mr. Harwood founded Pacific West, LLC in 1988 and has over forty years of construction and environmental experience including engineering evaluation, remediation, cost analysis, and recycling technologies. His team management experience has included petroleum contaminated soil, industrial site demolitions, drainage systems, and railroad facilities. His direct experience includes asphalt pavement production and placement and quarry management.

President: Mike Forest



Mike joined Pacific West, LLC in 2003 and was promoted to President in April of 2004. He graduated Magna Cum Laude from Boise State University in Boise, Idaho with a B.S. in Construction Management in 1981. He has over thirty years experience in heavy-highway construction in the Rocky Mountain area. He learned the industry from the ground up and has held key positions in almost every area of the construction business. He spent seventeen years with Staker/Parson Companies immediately prior to coming to Pacific West, LLC where he served as Vice President in charge of asphalt plants, construction operations, and transportation. As President, Mr. Forrest is responsible for the overall management of the Company.



Vice President: Mark Easton



Mark joined Pacific West, LLC in 1997. He studied business and marketing at Weber State College in Ogden, Utah and has over thirty years experience in all phases of civil engineering and construction. Mark holds professional licenses as a contractor in General Engineering Construction and General Concrete Construction. He has particular expertise in underground utility construction, excavation and grading, bridge construction, road and highway construction, concrete structures, asphalt paving construction, and concrete paving construction. Mark has worked as a Superintendent, Project Manager, and Estimator. Mark is responsible for coordinating the procurement of all construction work for the Company and also serves as Project Manager on some of the larger jobs.

Office Manager/Controller: Amy Norton

- ✂ Amy Norton holds a B.A. degree in Accounting and a Masters Degree in Professional Accountancy from the University of Utah. She is the Company's Controller and oversees all accounting and administrative operations. She is also the overseer for all Company benefit programs including health insurance and the 401K plan. She is very dedicated to the Company, with over 25 years of service.



Operations Manager: Dustin Hall



✂ Dustin has over 17 years of construction experience and has been with Pacific West, LLC for the past fourteen years. He started his career as an equipment operator and truck driver where his considerable talents were quickly noticed. He has over six years experience as a Foreman and Superintendent and is responsible to coordinate and schedule all construction and environmental field operations of the Company. Mr. Hall is responsible for the rapid deployment of the Pacific West emergency response team to assess, contain, clean up, and restore site contamination. He is also a Certified Rail Tank Car Specialist. Dustin has excellent leadership skills, works well with our clients and the regulatory agencies of government and excels at multi-tasking.

Environmental Manager: Alan Jensen

∞ Joined Pacific West in November 2005 following retirement from Union Pacific Rail Road after a thirty plus year career. He served as a Manager of Environmental Field Operations for Utah, Idaho, Wyoming, and Nevada for the rail road. Alan's considerable talent and experience in emergency response operation, hazardous materials, environmental operations and practices, and Safety. He has vast network of contacts in the railroad industry and has greatly benefited Pacific West and will for years to come.



Estimator/Project Manager: Dee Gibson



- Dee joined our Company in 2005 while he was earning his Bachelor's Degree in Civil Engineering from the University of Utah. He successfully passed his Engineering License Exam in 2011 and is a Registered Professional Engineer in Utah. Dee is a veteran of the U.S. Army and served his Country with honor in Iraq.

Estimator/ Project Manager: Scott Wheeler

Mr. Wheeler joined Pacific West, LLC in 2007. He graduated from Montana State University where he holds both a Bachelors and Masters Degree in Construction Management. Scott is a very motivated and intelligent young man with a bright future ahead of him with our Company.



Estimator: Jake Easton



∞ Jake joined our Company in 2007 as a draftsman. He worked at Pac west while earning his first Bachelor's Degree in Behavioral Science from the University of Utah, He then Went back to School and received his second Bachelor's Degree in Construction Management from Weber State University. He is now an Estimator for Pac West, and has been awarded jobs that have been successful in billing and execution.

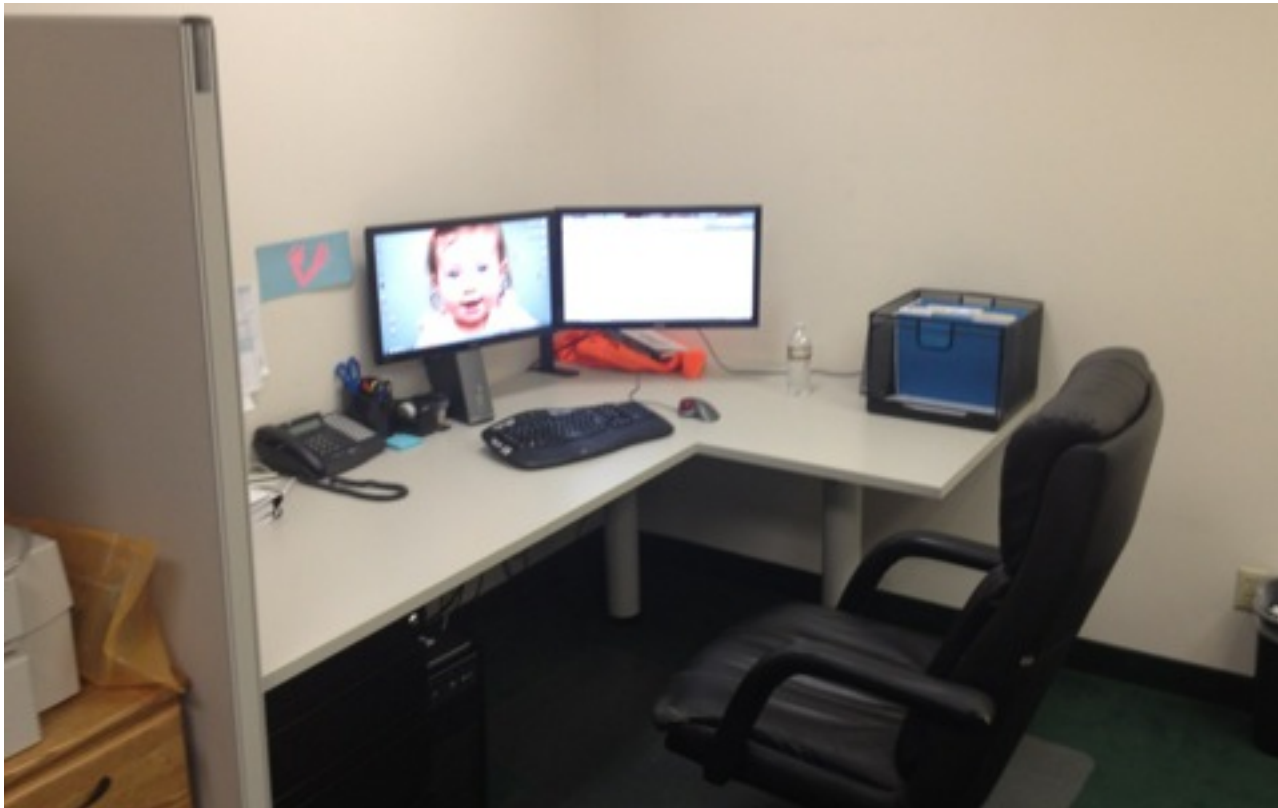


My Roll

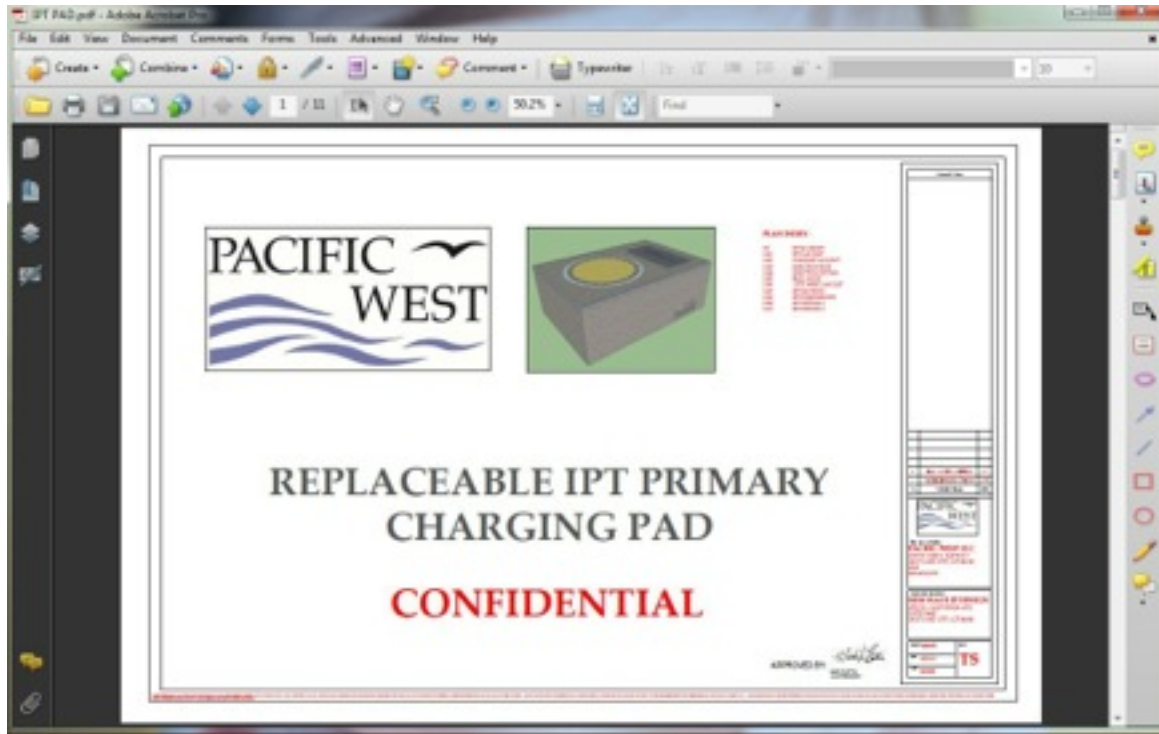


Pacific West LLC

My Work Space



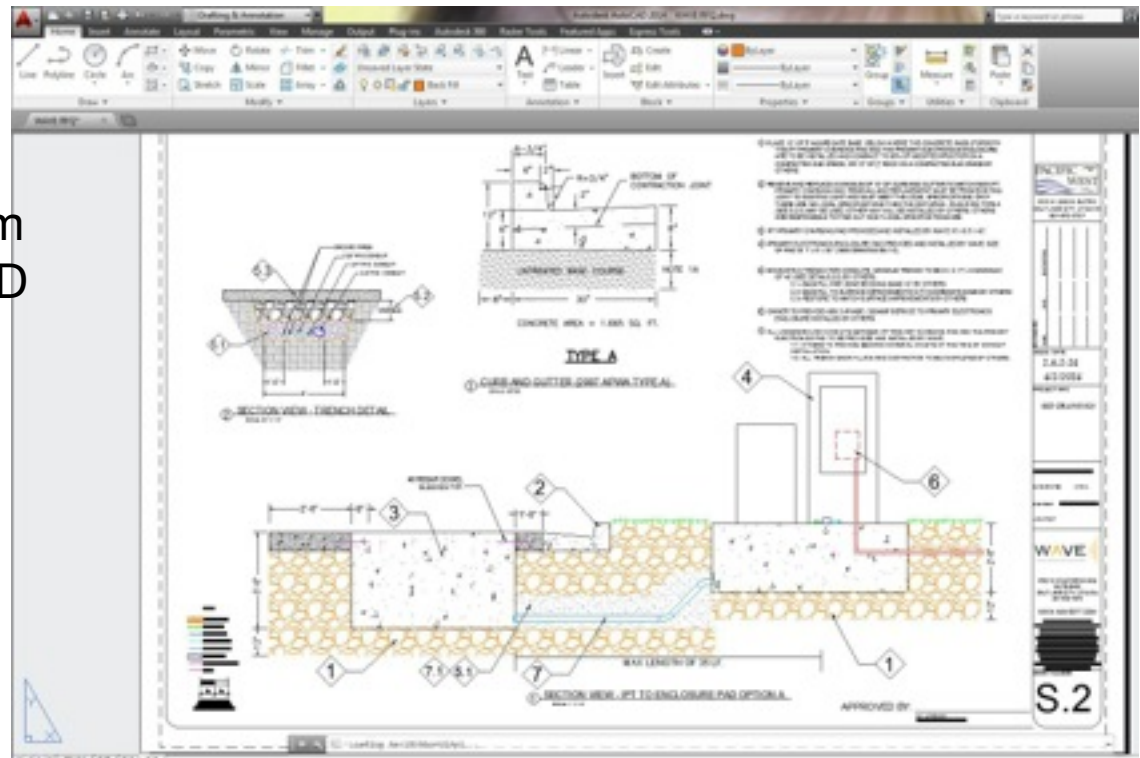
Design Build Engineer



I work with our design build department with specialty jobs that we have been asked to help an owner or company to come up with a method of doing a type of work.

Cad Designer

I drew the picture that is to the Right and I am really one of two People in the company who are Proficient in drawing in CAD. I am Usually tasked with redlining CAD Drawings, and any type of CAD Work needed.



Project Engineer

The screenshot displays a software interface with two main windows. The left window, titled 'WAVE Replaceable IPT Materials List', contains a table with columns for Description, Unit, Quantity, and Price per Unit. The right window, titled 'WAVE Bid Summary', displays a table of bid items with columns for Item, Description, Quantity, Unit, Bid Price, and Total Price. Below the bid items table, there is a 'Bid Summary' section with fields for Actual, Estimate, and Balance.

Description	Unit	Quantity	Price per Unit
1-1/2" Aluminum/Steel conduit	LF	50	
1-1/2" gal. W bend (Schedule 80)	SA	8	
1-1/2" slip x 1/2" MPT PVC adapter (Schedule 80)	SA	8	
1-1/2" meyer hub Connection	SA	8	
1-1/2" slip x 1/2" MPT PVC adapter (Schedule 80)	SA	1	
2" pre-conduit (Schedule 80) 20' R	LF	10	
2" slip x 1/2" MPT gal. adapter (Schedule 80)	SA	1	
2" gal. W bend (Schedule 80)	SA	1	
2" meyer hub Connection	SA	1	
2" pre-conduit (Schedule 80) 20' R	LF	10	
2" slip x 1/2" MPT gal. adapter (Schedule 80)	SA	1	
2" gal. W bend (Schedule 80)	SA	1	
2" meyer hub Connection	SA	1	
2" Aluminum/Steel hub-Connection	SA	1	
2" gal. pre-conduit (Schedule 80) 20' R	LF	10	
2" gal. W bend (Schedule 80)	SA	1	
2" meyer hub Connection	SA	1	
2" gal. pre-conduit (Schedule 80) 20' R	LF	10	
2" gal. W bend (Schedule 80)	SA	1	
2" meyer hub Connection	SA	1	
2" Aluminum/Steel hub-Connection	SA	1	

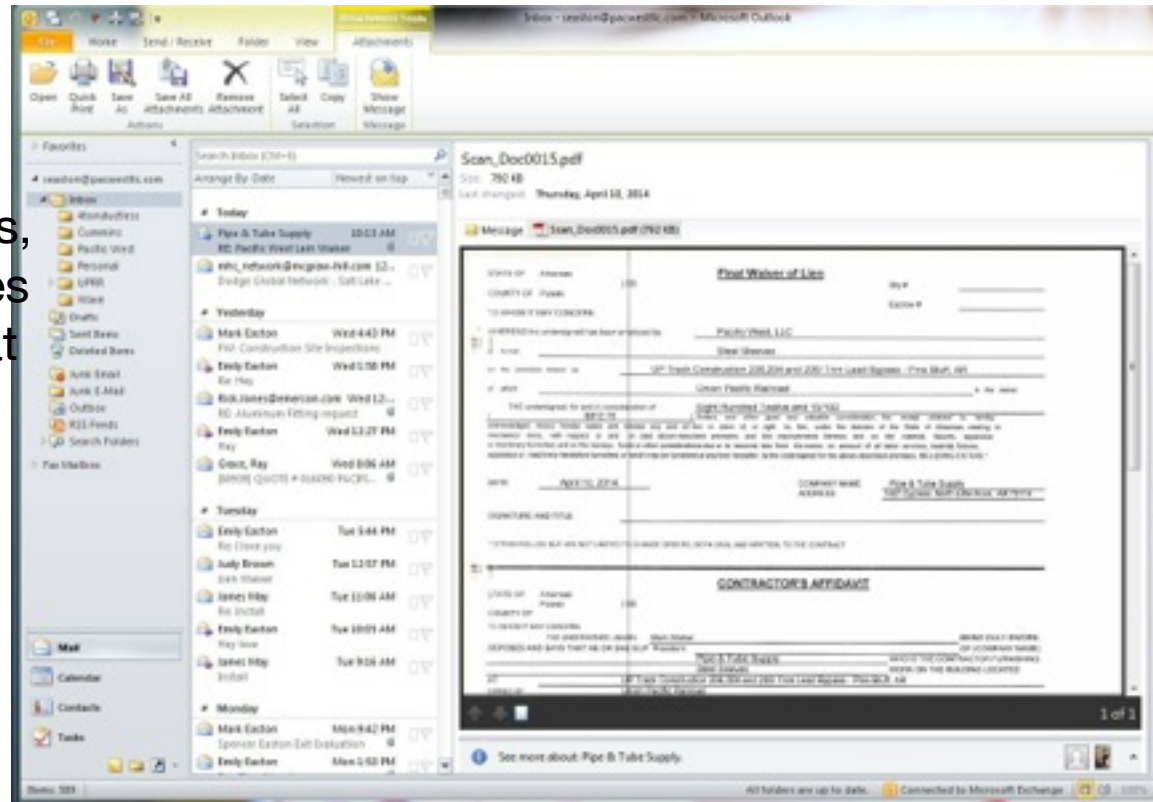
Item	Description	Quantity	Unit	Bid Price	Total Price
1	General Conditions	1.00	LS	\$1,500.00	\$1,500.00
2	Installation W&R	1.00	LS	\$80,000.00	\$80,000.00
3	Remediation	1.00	LS	\$17,500.00	\$17,500.00
4	100% Station	1.00	LS	\$126,500.00	\$126,500.00
5	18,000 Gal Tank	1.00	LS	\$191,000.00	\$191,000.00
6	2,000 Gal Tank Boiling	1.00	LS	\$111,000.00	\$111,000.00
7	25,000 Gal Tank	1.00	LS	\$121,000.00	\$121,000.00
8	Gorge Pumps	1.00	LS	\$17,000.00	\$17,000.00
9	Write Space	1.00	LS	\$1,000.00	\$1,000.00
10	100 Water Separator	1.00	LS	\$15,000.00	\$15,000.00
11	MPT Boiling	1.00	LS	\$176,000.00	\$176,000.00
12	18,000 Gal Used W Tank	1.00	LS	\$17,000.00	\$17,000.00
13	Piping Heat Trace, Insulation, Jacketing	1.00	LS	\$17,000.00	\$17,000.00

Item	Actual	Estimate	Balance
Actual	\$1,500.00	\$1,500.00	\$1,500.00
Estimate	\$1,500.00	\$1,500.00	\$1,500.00
Balance	\$1,500.00	\$1,500.00	\$1,500.00

I take bids that are in place in our bidding system and begin to order the part and stock pile them where We need them for the job. I coordinate with the Project Managers for job and make sure they get the materials they need.

Estimator Assistant

I have been tasked with helping
Our estimators with their work. I
Have been collecting lien waivers,
Quotes, invoices, and certificates
That are needed for the jobs that
We have.





Daily Logs



Pacific West LLC

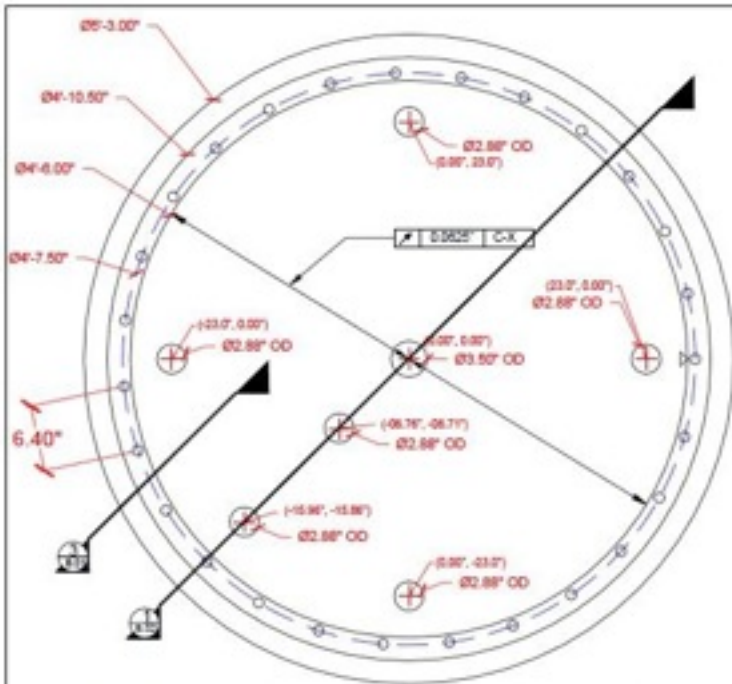


WAVE IPT Design Build



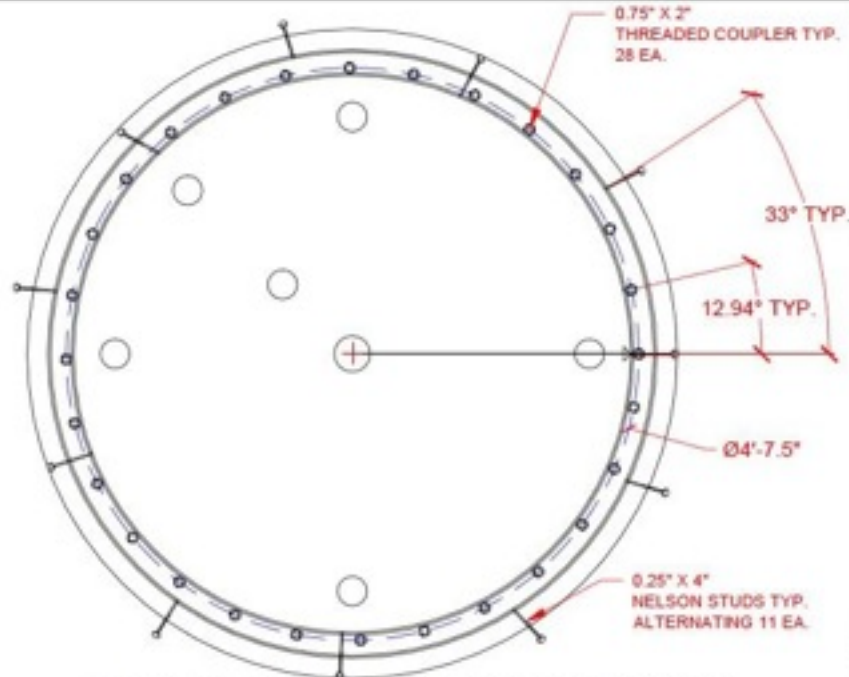
Pacific West LLC

I designed this steel frame in CAD



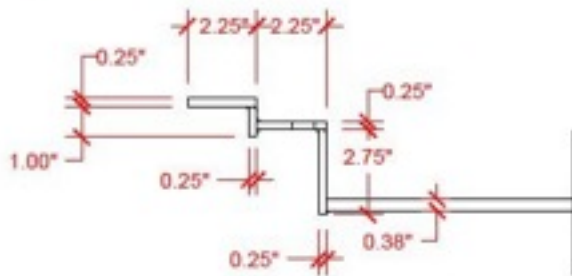
1. STEEL FRAME TOP PLAN LAYOUT

SCALE: 1" = 1'



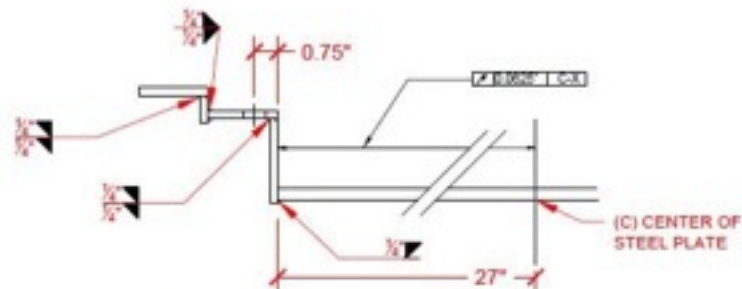
2. STEEL FRAME BOTTOM PLAN VIEW

SCALE: 1" = 1'



3. STEEL FRAME SECTION VIEW

SCALE: 3" = 1'



4. WELD DETAIL TYP.

SCALE: 3" = 1'

Circular Runout
TOLERANCE SEE WELD
DETAIL DRAWING

REVISION ONE 3-21-18



PACIFIC WEST LLC
1535 W. 2200 S. SUITE 4-C
SALT LAKE CITY, UT 84119
USA
801-870-2727

Author Name and Address

Author Name and Address

CONFIDENTIAL

B.01

This is that same steel frame at the fabricators shop, built from my plans





Pine Bluff Lien Waivers



Pacific West LLC

I had to make sure that we had turned in our Partial lien waiver to the Rail Road
And then when I could bill them for the amount owed for this job. I then went to
our
Accounting and gave them to go ahead to pay the suppliers and then had them
sign this form which is a final lien release form.

STATE OF Arkansas		<u>Final Waiver of Lien</u>		Gty # _____
COUNTY OF Pulaski				Escrow # _____
TO WHOM IT MAY CONCERN:				
WHEREAS the undersigned has been employed by		<u>Pacific West, LLC</u>		
to furnish		<u>Steel Sleeves</u>		
for the premises known as		<u>UP Track Construction 206,204 and 205/ Trim Lead Bypass - Pine Bluff, AR</u>		
of which		<u>Union Pacific Railroad</u> is the owner.		
THE undersigned, for and in consideration of		<u>Eight Hundred Twelve and 15/100</u>		
(<u>\$812.15</u>)		Dollars, and other good and valuable consideration, the receipt whereof is hereby		
acknowledged, do(es) hereby waive and release any and all lien or claim of, or right to, lien, under the statutes of the State of Arkansas, relating to				
mechanics' liens, with respect to and on said above-described premises, and the improvements thereon, and on the material, fixtures, apparatus				
or machinery furnished, and on the moneys, funds or other considerations due or to become due from the owner, on account of all labor services, material, fixtures,				
apparatus or machinery heretofore furnished, or which may be furnished at any time hereafter, by the undersigned for the above-described premises, INCLUDING EXTRAS.*				
DATE	<u>April 10, 2014</u>	COMPANY NAME	<u>Pipe & Tube Supply</u>	
		ADDRESS	<u>1407 Cypress North Little Rock, AR 72114</u>	
SIGNATURE AND TITLE		_____		

*EXTRAS INCLUDE BUT ARE NOT LIMITED TO CHANGE ORDERS, BOTH ORAL AND WRITTEN, TO THE CONTRACT



WAVE IPT Materials



Pacific West LLC

I go to our bid that we submitted (pic below is bidding software) I then take our items and break them down into materials. I also double check then plans.

WinBid2000

Copy Item Add Activity Delete Activity Copy Activities Reorder Activities Sub Entry Vendor BidNote Details View

Bids Items Summary Print Setup Utility Fax Custom Help

Bid: Roper WWTP Improvements

Sch	Item Code	Descriptions	Quant	UoM	Unit Price	Total Price	EXIT
1	1	General Conditions	1.00	LS	31,560.00	31,560	
1	2	Additional Work	1.00	LS	104,999.31	104,999	
1	3	Demolition	1.00	LS	17,400.00	17,400	
1	4	Lift Station	1.00	LS	120,400.00	120,400	
1	5	20,000 Gal Tank	1.00	LS	115,000.00	115,000	
1	6	2,000 Gal Tank Building	1.00	LS	111,900.00	111,900	
1	7	25,000 Gal Tank	1.00	LS	121,000.00	121,000	
1	8	Surge Pumps	1.00	LS	57,700.00	57,700	
1	9	Office Space	1.00	LS	37,100.00	37,100	
1	10	Oil Water Separator	1.00	LS	15,000.00	15,000	
1	11	WWTP Building	1.00	LS	170,000.00	170,000	
1	12	10,000 Gal Used Oil Tank	1.00	LS	57,900.00	57,900	
1	13	Piping Heat Trace, Insulation, Jacketing	1.00	LS	17,600.00	17,600	

Refresh List

Item Is Open

Cat. INT

Item	Cost per Unit:	Total Cost:	% MU	Markup	Price per Unit:	Total Price	
Actual	26,972.000	26,972.00	17.01	4,588.00	31,560.00	31,560.00	Closing Changes
Estimate	26,972.000	26,972.00	17.00	4,585.24	31,557.24	31,557.24	

Bid	Total Bid Cost	% Markup	\$ Markup	Total Bid Price	Balance:
Actual	\$1,022,610.60	17.23	\$176,223.96	\$1,198,834.56	\$2,380.16
Estimate	\$1,022,610.60	17.00	\$173,843.80	\$1,196,454.40	

Item price ut FLTR NUM

I then input the information into an Excel spread sheet and get them ordered from the cheapest quote we have on file for the job. I collect all the materials for each job and collaborate that with our Superintendents and Project Managers.

Parts list (Autosaved) - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View

Calibri 11 A A

General

Conditional Formatting Styles Cell Styles Insert Delete Format Cells Autosave Fill Clear Sort & Filter

C70

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2			WAVE Replaceable IPT										
3			<u>Materials List</u>										
4													
5													
6		supplier	Description	Unit	Quantity	Price Per Unit	Sub T	Tax	Total				
20													
21			Conduit										
22			1-1/4" aluminum compression coupler	EA	4								
23			1-1/4" pvc conduit (Schedule 80) 20 ft	LF	60								
24			1-1/4" aluminum flex conduit	LF	50								
25			1-1/4" pvc 90 bend (Schedule 80)	EA	6								
26			1-1/4" slip X 2" MNPT PVC adapter (Schedule 80)	EA	4								
27			1-1/4" meyer Hub Connection	EA	6								
28			1-1/4" slip X 3" MNPT PVC adapter (Schedule 80)	EA	1								
29			1" pvc conduit (Schedule 80) 20 ft	LF	10								
30			1" slip X 2" MNPT pvc adapter (Schedule 80)	EA	1								
31			1" pvc 90 bend (Schedule 80)	EA	1								
32			1" meyer Hub Connection	EA	1								
33			2" pvc conduit (Schedule 80) 20 ft	LF	10								
34			2" slip X 2" MNPT pvc adapter (Schedule 80)	EA	1								
35			2" pvc long sweep 90 bend (Schedule 80)	EA	1								
36			2" pvc 45 bend (Schedule 80)	EA	2								
37			2" Aluminum meyer Hub Connection	EA	1								
38			3/4" pvc conduit (Schedule 80) 20ft	LF	20								
39			3/4" pvc 90 bend (Schedule 80)	EA	2								
40			3/4" meyer Hub Connection	EA	1								
41			2.5" pvc conduit (Schedule 80) 20 ft	LF	15								

Sheet1 Sheet2 Sheet3

Ready



WAVE RFQ

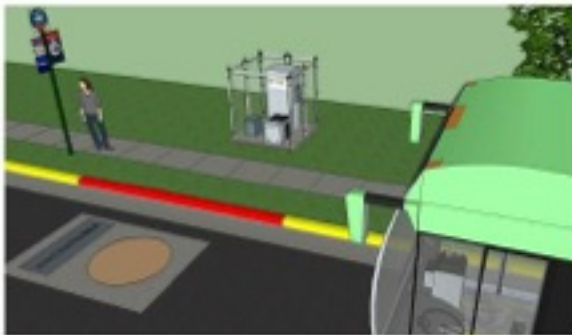


Pacific West LLC

I was given a set of specifications that were desired. I sat down and began to create an RFQ package for this client that we build a utility building at the University of Utah.

WAVE

Wireless Advanced Vehicle Electrification



AREA OF CONSTRUCTION



VICINITY MAP

PRIMARY ELECTRONICS ENCLOSURE AND IPT PRIMARY CHARGING PAD INSTALLATION PLANS

PLAN INDEX:

STRUCTURAL

- S.S. COVER SHEET WITH LOCATION
- S.1 PLAN VIEW AND GENERAL NOTES
- S.2 SECTION DETAILS

ELECTRICAL

- ES.1 ELECTRICAL ENCLOSURE & PANEL DETAILS

PACIFIC WEST
1111 W. 2000 S. SUITE 2
SALT LAKE CITY, UT 84119
801-473-6727

PROJECT NAME	PROJECT NO.	DATE	BY
PROJECT NAME	PROJECT NO.	DATE	BY
PROJECT NAME	PROJECT NO.	DATE	BY
PROJECT NAME	PROJECT NO.	DATE	BY

1.6.1-14
4/1/2014

PROJECT INFO
BID DRAWINGS

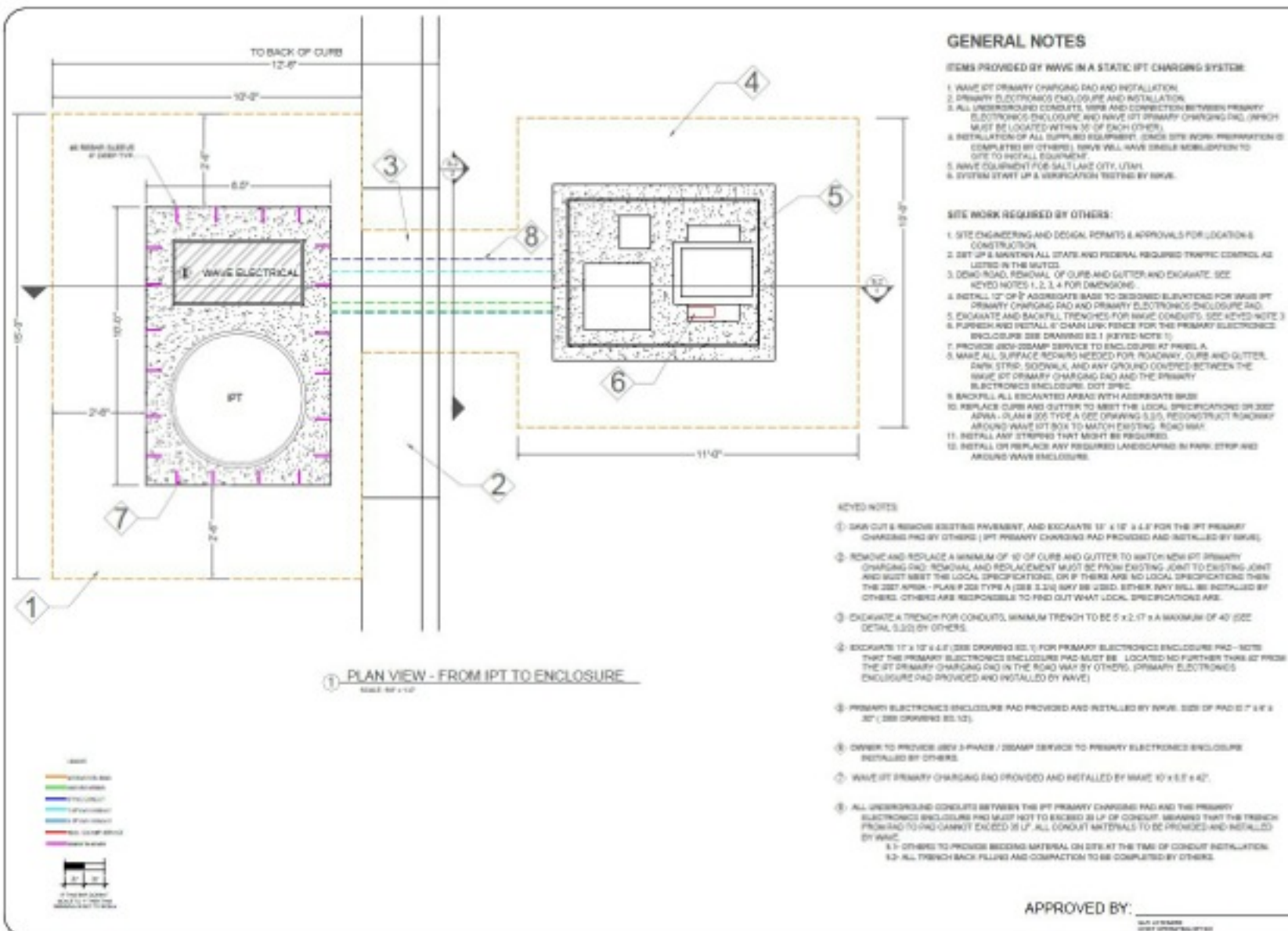
SCALE: AS SHOWN
DATE PRINTED: 4/1/2014
DRAWN BY: KIMBERLY A. JENSEN
CHECKED BY: KIMBERLY A. JENSEN

WAVE
1111 W. 2000 S. SUITE 2
SALT LAKE CITY, UT 84119
801-473-6727
WWW.WAVEUT.COM

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ISSUE NO. S.0

It included Civil and Structural design. Each of these were drawn by myself.



SECTION VIEW - TRENCH DETAIL

TYPE A CURB AND GUTTER (2007 APWA TYPE A)

SECTION VIEW - IPT TO ENCLOSURE PAD OPTION A

NOTES:

- PLACE 12" OF 2" AGGREGATE BASE BELOW WHERE THE CONCRETE PADS FOR BOTH THE IPT PRIMARY CHARGING PAD AND THE PRIMARY ELECTRONICS ENCLUSURE ARE TO BE INSTALLED AND COMPACT TO 95% OF MAXIMUM PROCTOR ON A COMPACTED SUBGRADE OR 12" OF 2" ROCK ON A COMPACTED SUBGRADE BY OTHERS.
- REMOVE AND REPLACE A MINIMUM OF 12" OF CURB AND GUTTER TO MATCH NEW IPT PRIMARY CHARGING PAD REMOVAL AND REPLACEMENT MUST BE FROM EXISTING JOINT TO EXISTING JOINT AND MUST MEET THE LOCAL SPECIFICATIONS, OR IF THERE ARE NO LOCAL SPECIFICATIONS THEN THE BEST APPROXIMATE PLANT-205 TYPE A (BEST IS ALL MAY BE USED). OTHERS MAY WANT TO INSTALL BY OTHERS. OTHERS ARE RESPONSIBLE TO FIND OUT WHAT LOCAL SPECIFICATIONS ARE.
- IPT PRIMARY CHARGING PAD PROVIDED AND INSTALLED BY WAVE. 12" x 12" x 4".
- PRIMARY ELECTRONICS ENCLUSURE PAD PROVIDED AND INSTALLED BY WAVE. 12" x 12" x 4" (SEE DRAWING CS-1-1).
- EXCAVATE A TRENCH FOR CONCRETE. MINIMUM TRENCH TO BE 2' x 3' x 4" DEEPENESS OR AS SHOWN OTHERWISE BY OTHERS.
2.1- EXCAVATE 12" DEEPENESS DRAIN 12" BY OTHERS
2.2- EXCAVATE TO SURFACE IMPROVEMENTS IN 2" AGGREGATE BASE BY OTHERS
2.3- RESTORE TO MATCH SURFACE IMPROVEMENTS BY OTHERS
- CURB TO PROVIDE AND 2-PHASE 1-DRAIN SERVICE TO PRIMARY ELECTRONICS ENCLUSURE INSTALLED BY OTHERS.
- ALL UNDERGROUND CONDUITS OF THE IPT PRIMARY CHARGING PAD AND THE PRIMARY ELECTRONICS PAD TO BE PROVIDED AND INSTALLED BY WAVE.
2.1- OTHERS TO PROVIDE RECORD MATERIAL ON SITE AT THE TIME OF CONCRETE INSTALLATION.
2.2- ALL TRENCH BACK FILLING AND COMPLETION TO BE COMPLETED BY OTHERS.