

ADDENDUM #2

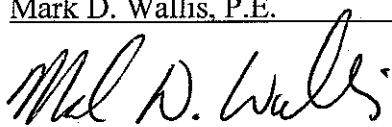
HIGHLAND PUMP STATION IMPROVEMENTS

City of Duluth, Minnesota

SUBMITTAL CERTIFICATION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: Mark D. Wallis, P.E.

Signature: 

Date: 6/25/2010

License #: 19145

**ADDENDUM #2
HIGHLAND PUMP STATION IMPROVEMENTS
CITY OF DULUTH
PROJECT 0765WA
BID NUMBER 10-0318
JUNE 25, 2010**

NOTICE

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This Addendum is issued to modify, explain or correct the original drawings, specifications and/or previous addendums and is hereby made a part of the Contract Documents. Please note receipt of this Addendum on the Request for Bid. The bid date remains unchanged.

PROJECT MANUAL

REQUEST FOR BIDS

REPLACE EXHIBIT A with the attached EXHIBIT A – REVISED.

DIVISION 26 - ELECTRICAL

Section 26 90 00 – Process Instrument & Control

Page 26 90 00-6, Part 2-Products System Integrator, 2.01.D.2

ADD Paragraph 2.01-D-2 as “2. Automatic Systems Co. – contact Bruce Wirth (Phone 651-631-9005).”

Page 26 90 00-6, Part 2-Products System Integrator, 2.01.D.3

ADD Paragraph 2.01-D-3 as “3. QCI. – contact Kevin Huson (Phone 952-292-6008).”

DRAWINGS

SHEET A-1

ADD Note 36: Remove all existing lights, conduit, and wire.

SHEET E-2

REPLACE Note 6 with: “Dashed lines indicate approximate routing of underground direct buried raceways to be provided by Contractor.”

HIGHLAND PUMP STATION IMPROVEMENTS
CITY OF DULUTH

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SHEET E-7

REPLACE Panel Schedule LA with the attached.

END OF ADDENDUM

EXHIBIT A - REVISED BY ADDENDUM 2						
BID NO. 10-0318 JOB NO. 0765WA						
HIGHLAND PUMP STATION IMPROVEMENTS						
Item No.	Spec No.	Description	Unit	Est. Quantity	Unit Price	Total Price
1	SP-11	Mobilization	LS	1		
2	SP-29	Electrical Service Allowance	LS	1	\$ 20,000	\$ 20,000.00
3	02 41 19	Demolition (Inside Building)	LS	1		
4	SP-14	Remove Low Concrete Retaining Wall	LS	1		
5	SP-14	Remove Concrete Base	LS	1		
6	26 00 00	Remove Existing Utility Service	LS	1		
7	SP-14	Remove Existing CMP & Aprons	LS	1		
8	SP-14	Remove Bituminous Driveway	LS	1		
9	SP-14	Remove CI Watermain	LF	250		
10	SP-14	Remove Concrete Apron	LS	1		
11	SP-14	Remove Meter Manhole	EA	1		
12	SP-24	Pothole to Verify Elevation	EA	5		
13	SP-24	Connect to Existing Watermain at Reservoir	EA	2		
14	SP-24	Connect to Existing Watermain	EA	3		
15	SP-24	Water Reservoir Underwater Investigation	LS	1		
16	SP-15	Rock excavation for pipe installation	CY	450		
17	2503	24" Concrete Culvert w/ Aprons	LS	1		
18	SP-24	6" Ductile Iron Pipe, Class 53	LF	30		
19	SP-24	10" Ductile Iron Pipe, Class 53	LF	150		
20	SP-24	16" Ductile Iron Pipe, Class 53	LF	605		

21	SP-24	10" 45o MJ Elbow	EA	2		
22	SP-24	10" 90o Elbow	EA	1		
23	SP-24	16" 45o MJ Elbow	EA	3		
24	SP-24	6"x6"x6" MJ Tee	EA	1		
25	SP-24	16"x16"x6" MJ Tee	EA	4		
26	SP-24	16"x16"x10" MJ Tee	EA	2		
27	SP-24	16"x16"x16" MJ Tee	EA	2		
28	SP-24	Hydrant	EA	2		
29	SP-24	16" BV & Box	EA	7		
30	SP-24	10" GV & Box	EA	2		
31	SP-24	6" GV & Box	EA	4		
32	2503	16" CMP and Flared End	LS	1		
33	SP-24	1" Copper Water Service	LF	20		
34	SP-20	3-1/2" Bituminous Driveway Pavement	TON	80		
35	SP-19	Class 5 Aggregate Base Material	CY	120		
36	SP-25	Class III Rip Rap	CY	5		
37	33 36 12	Floor Drain Holding Tank	LS	1		
38	SP-22	Filter Pipe	LF	150		
39	SP-22	Subsurface Drain Headwall	EA	1		
40	SP-26	Erosion Mat	SF	1,100		
41	SP-26	Vehicle Tracking Pad	LS	1		
42	SP-26	Silt Fence	LF	350		
43	SP-26	Bio Rolls	LF	225		
44	SP-27	Topsoil	CY	125		

45	SP-27	Seed	ACRE	1.0		
46	SP-18	Site Final Grading/Final Shaping	LS	1.0		
47	1710	Traffic Control	LS	1		
48	SP-35	Temporary Bypass Pumping	LS	1		
49	SP-36	Highland Pump Station Improvements, remainder of Work	LS	1		
					Total	

PANEL		AMPS		100		MAIN CB AMPS: 100				AIC				10,000			
I.D.	PHASE	1		TYPE:		250VAC LIGHTING AND APPLIANCE PANEL											
LA	WIRE	2												MOUNT:			
		VOLTAGE		120/240													
TYPE	CIRCUIT DESIGNATION	KVA		BREAKER		CKT		BREAKER		AMP		POLE		KVA		CIRCUIT DESIGNATION	TYPE
		Aφ	Bφ	AMP	POLE	#	#	AMP	POLE	AMP	POLE	Aφ	Bφ				
L	INTERIOR LTG	0.54		20	1	1	2	15	2	1.44					PTAC-1	X	
L	EXTERIOR LTG		0.20	20	1	3	4						1.44			X	
R	RECEPTACLE	0.36		20	1	5	6	15	2	1.44					PTAC-2	X	
R	RECEPTACLE		0.36	20	1	7	8						1.44			X	
R	RECEPTACLE	0.72		20	1	9	10	20	1	1.92					DEHUMIDIFIER		
X	LCP-A		1.92	20	1	11	12								EQUIPPED SPACE		
X	LIT-1-1-1	0.24		20	1	13	14								EQUIPPED SPACE		
X	FIT-4-1-1		0.24	20	1	15	16								EQUIPPED SPACE		
	SPARE			20	1	17	18								EQUIPPED SPACE		
	SPARE			20	1	19	20								EQUIPPED SPACE		
	SPARE			20	1	21	22								EQUIPPED SPACE		
	SPARE			20	1	23	24								EQUIPPED SPACE		
TOTAL LINE-NEUTRAL KVA		1.86	2.72									4.80	2.88				
TOTAL CONNECTED KVA		12.26		THIS PANEL				TOTAL W/ SUB PANELS				TOTAL ESTIMATED KVA DEMAND:		10.34			
TOTAL CONNECT AMPS		51.08										TOTAL ESTIMATED AMP DEMAND:		43.08			
TOTALS BY TYPE: R (RECEPTACLES)				1.44	1.44	1.44	1.44	ESTIMATED DEMAND BY TYPE				1.44	NOTES				
L (LIGHTING)						0.74	0.74					0.74	* GFI CIRCUIT				
M (MOTORS)						0.00	0.00					0.00					
X						8.16	8.16					8.16					
A (AC)						0.00	0.00					0.00					
E (ELEC. HEAT)						0.00	0.00					0.00	NEC 220-56 TABLE 6 & OVER @				
K (KITCHEN EQUIP.)						0.00	0.00					0.00	0.65 DEMAND.				