

# CONTRACT CHANGE ORDER FORM

<b>CITY OF LAKE ELMO, MINNESOTA</b> <b>SECTION 34 UTILITY EXTENSION IMPROVEMENTS</b> <b>PROJECT NO. 2013.126</b>	<b>FOCUS</b> ENGINEERING, inc.
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CHANGE ORDER NO. <u>1</u>	DATE: <u>November 6, 2013</u>
TO: <u>REDSTONE CONSTRUCTION COMPANY, INC. , PO BOX 218, MORA, MN 55051</u>	
This Document will become a supplement to the Contract and all provisions will apply hereto. The Contract Documents are modified as follows upon execution of this Change Order.	

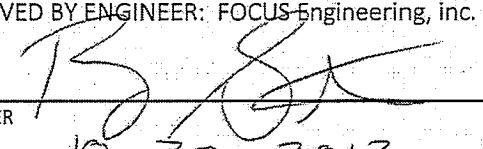

**CHANGE ORDER DESCRIPTION / JUSTIFICATION:**

Change Order for moving lift station location from Hammes property to City property immediately to the north. Includes adjustment in gravity sanitary sewer, forcemain and structures along Keats Avenue to accommodate the Lift Station relocation and sewer service to the Hammes Property. Also includes the Contractor's deduct to not install tracer wire along the gravity sanitary sewer on the project.

**Attachments (list documents supporting change):** Change Order No. 1 Itemization, Plan Sheets C4.05, C5.01 and C6.01 have been replaced.

ITEM	DESCRIPTION OF PAY ITEM	UNIT	QTY	UNIT PRICE	INCREASE/(DECREASE)
	***SEE ATTACHED ITEMIZATION				
<b>NET CONTRACT CHANGE</b>					<b>\$11,162.82</b>

Amount of Original Contract	\$ 1,701,884.50
Sum of Additions/Deductions approved to date	\$ 0.00
Contract Amount to date	\$ 1,701,884.50
Amount of this Change Order (ADD) (DEDUCT) (NO CHANGE)	\$ 11,162.82
Revised Contract Amount	\$ 1,713,047.32
The Contract Period for Completion will be (UNCHANGED) (INCREASED) (DECREASED) <u>0</u> days	

APPROVED BY ENGINEER: FOCUS Engineering, inc.  ENGINEER <u>10-30-2013</u> DATE	APPROVED BY CONTRACTOR  BY <u>10/30/2013</u> DATE
APPROVED BY OWNER: CITY OF LAKE ELMO, MINNESOTA  BY  DATE	

CHANGE ORDER NO.

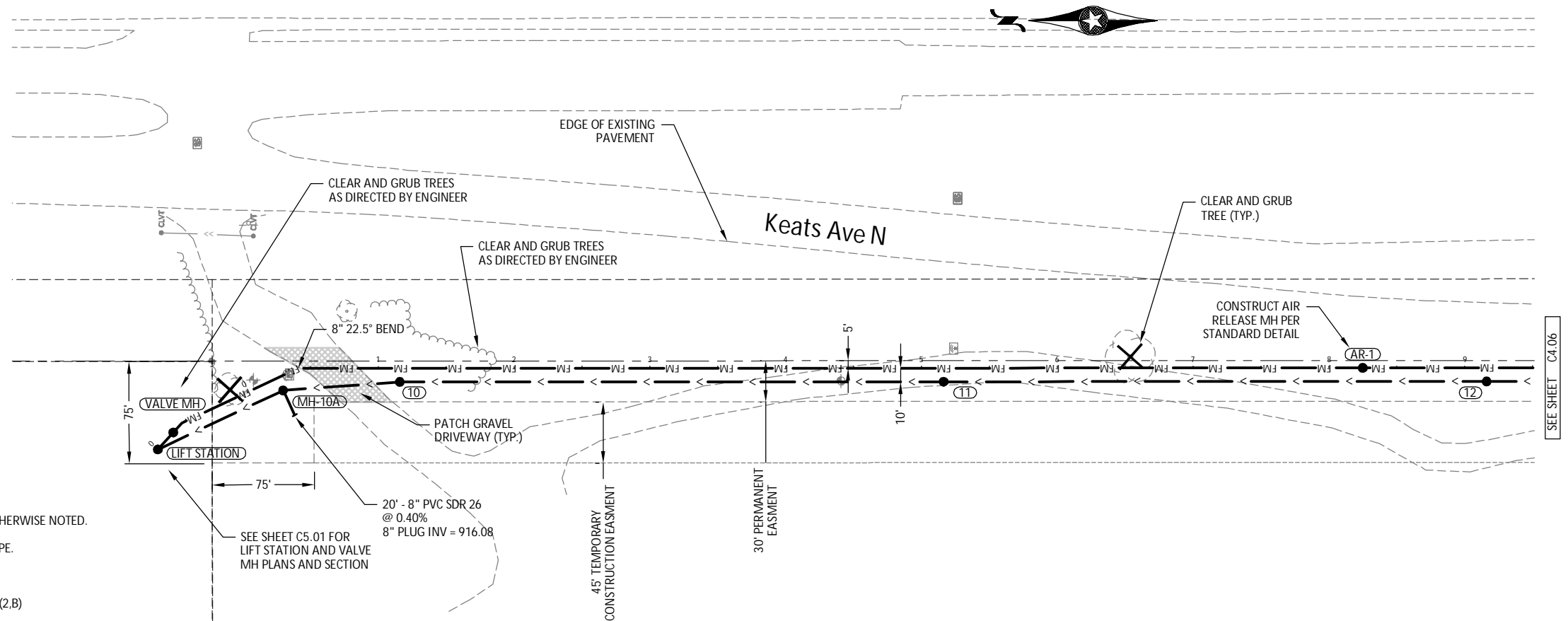
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FOCUS ENGINEERING, inc.

SECTION 34 UTILITY EXTENSION IMPROVEMENTS  
CITY OF LAKE ELMO, MINNESOTA  
PROJECT NO. 2013.126

ITEM NO.	ITEM	UNIT	ORIGINAL CONTRACT			CHANGE ORDER NO. 1		REVISED CONTRACT AMOUNT		
			QUANTITY	UNIT PRICE	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	
PART 1 - GENERAL										
1	MOBILIZATION	LS	1	\$48,000.00	\$48,000.00	0	\$0.00	1	\$48,000.00	
2	TRAFFIC CONTROL	LS	1	\$6,300.00	\$6,300.00	0	\$0.00	1	\$6,300.00	
3	CLEAR AND GRUB TREES	LS	1	\$19,000.00	\$19,000.00	0	\$0.00	1	\$19,000.00	
4	TEMPORARY ROCK CONSTRUCTION ENTRANCE	EA	2	\$1,100.00	\$2,200.00	0	\$0.00	2	\$2,200.00	
5	STREET SWEEPING	HR	40	\$175.00	\$7,000.00	0	\$0.00	40	\$7,000.00	
TOTAL PART 1 - GENERAL					\$82,500.00		\$0.00		\$82,500.00	
PART 2 - SANITARY SEWER (GRAVITY SEWER - HUDSON BLVD)										
6	CONCRETE JERSEY BARRIERS	LF	900	\$21.00	\$18,900.00	0	\$0.00	900	\$18,900.00	
7	REMOVE AND DISPOSE OF EXISTING BITUMINOUS DRIVEWAY	SY	500	\$2.20	\$1,100.00	0	\$0.00	500	\$1,100.00	
8	REMOVE PIPE CULVERT	LF	245	\$5.50	\$1,347.50	0	\$0.00	245	\$1,347.50	
9	REMOVE SANITARY SEWER PIPE	LF	13	\$6.55	\$85.15	0	\$0.00	13	\$85.15	
10	SALVAGE AND REINSTALL 12" RCP, INCL APRONS	LF	50	\$22.10	\$1,105.00	0	\$0.00	50	\$1,105.00	
11	PATCH BITUMINOUS DRIVEWAY	SY	500	\$35.00	\$17,500.00	0	\$0.00	500	\$17,500.00	
12	PATCH GRAVEL DRIVEWAY	TN	100	\$15.00	\$1,500.00	0	\$0.00	100	\$1,500.00	
13	29" X 42" ARCH CMP CULVERT	LF	69	\$51.80	\$3,581.10	0	\$0.00	69	\$3,581.10	
14	30" CMP CULVERT	LF	71	\$44.20	\$3,138.20	0	\$0.00	71	\$3,138.20	
15	36" CMP CULVERT	LF	35	\$51.90	\$1,816.50	0	\$0.00	35	\$1,816.50	
16	42" CMP CULVERT	LF	64	\$76.20	\$4,876.80	0	\$0.00	64	\$4,876.80	
17	26" X 42" ARCH CMP APRON	EA	2	\$498.00	\$996.00	0	\$0.00	2	\$996.00	
18	30" CMP APRON	EA	3	\$389.00	\$1,167.00	0	\$0.00	3	\$1,167.00	
19	36" CMP APRON	EA	2	\$573.00	\$1,146.00	0	\$0.00	2	\$1,146.00	
20	42" CMP APRON	EA	2	\$1,110.00	\$2,220.00	0	\$0.00	2	\$2,220.00	
21	CONNECT TO EXISTING SANITARY SEWER MH	EA	1	\$993.00	\$993.00	0	\$0.00	1	\$993.00	
22	8" PVC SANITARY SEWER, SDR 35, 0' - 10' DEEP	LF	25	\$38.90	\$972.50	0	\$0.00	25	\$972.50	
23	10" PVC SANITARY SEWER, SDR 26, 25' - 30' DEEP	LF	20	\$154.00	\$3,080.00	0	\$0.00	20	\$3,080.00	
24	12" PVC SANITARY SEWER, SDR 35, 0' - 10' DEEP	LF	885	\$36.20	\$32,037.00	0	\$0.00	885	\$32,037.00	
25	12" PVC SANITARY SEWER, SDR 35, 10' - 15' DEEP	LF	675	\$40.00	\$27,000.00	0	\$0.00	675	\$27,000.00	
26	12" PVC SANITARY SEWER, SDR 35, 15' - 20' DEEP	LF	290	\$71.40	\$20,706.00	0	\$0.00	290	\$20,706.00	
27	12" PVC SANITARY SEWER, SDR 26, 15' - 20' DEEP	LF	65	\$88.50	\$5,752.50	0	\$0.00	65	\$5,752.50	
28	12" PVC SANITARY SEWER, SDR 26, 20' - 25' DEEP	LF	200	\$91.20	\$18,240.00	0	\$0.00	200	\$18,240.00	
29	12" PVC SANITARY SEWER, SDR 26, 25' - 30' DEEP	LF	560	\$103.00	\$57,680.00	0	\$0.00	560	\$57,680.00	
30	JACK 12" PVC SANITARY SEWER	LF	40	\$410.00	\$16,400.00	0	\$0.00	40	\$16,400.00	
31	ROCK FOUNDATION BORROW	LF	1,300	\$0.01	\$13.00	0	\$0.00	1,300	\$13.00	
32	INSULATION; 2" THICK	SY	150	\$19.90	\$2,985.00	0	\$0.00	150	\$2,985.00	
33	PLACE FILL OVER SANITARY SEWER PIPE (LV)	CY	150	\$7.75	\$1,162.50	0	\$0.00	150	\$1,162.50	
34	CROSS HIGH PRESSURE GAS PIPE LINE	LS	1	\$2,760.00	\$2,760.00	0	\$0.00	1	\$2,760.00	
35	SANITARY SEWER MH, 4' DIAMETER	EA	8	\$2,530.00	\$20,240.00	0	\$0.00	8	\$20,240.00	
36	EXCESS MANHOLE DEPTH, 4' DIAMETER	LF	56	\$97.20	\$5,443.20	0	\$0.00	56	\$5,443.20	
37	TELEVIEW SANITARY SEWER	LF	2,672	\$1.75	\$4,676.00	0	\$0.00	2,672	\$4,676.00	
38	OFF ROAD STRUCTURE MARKER	EA	7	\$55.20	\$386.40	0	\$0.00	7	\$386.40	
39	SEED MIX 250 & BLANKET	SY	5,000	\$1.10	\$5,500.00	0	\$0.00	5,000	\$5,500.00	
40	SEED MIX 270 & BLANKET	SY	5,200	\$1.14	\$5,928.00	0	\$0.00	5,200	\$5,928.00	
41	SEED MIX 250 & HYDROMULCH	SY	5,000	\$0.42	\$2,100.00	0	\$0.00	5,000	\$2,100.00	
42	SEED MIX 270 & HYDROMULCH	SY	5,200	\$0.46	\$2,392.00	0	\$0.00	5,200	\$2,392.00	
43	EROSION STABILIZATION MAT	SY	150	\$9.90	\$1,485.00	0	\$0.00	150	\$1,485.00	
44	TEMPORARY SEED MIX 100 AND MULCH	AC	4	\$686.00	\$2,744.00	0	\$0.00	4	\$2,744.00	
45	DITCH CHECK	EA	8	\$97.50	\$780.00	0	\$0.00	8	\$780.00	
46	CULVERT INLET PROTECTION	EA	8	\$200.00	\$1,600.00	0	\$0.00	8	\$1,600.00	
47	SILT FENCE	LF	1,500	\$1.71	\$2,565.00	0	\$0.00	1,500	\$2,565.00	
TOTAL PART 2 - SANITARY SEWER (GRAVITY SEWER - HUDSON BLVD)					\$305,781.85		\$0.00		\$305,781.85	
PART 3 - SANITARY SEWER (LIFT STATION SYSTEM)										
48	REMOVE AND DISPOSE OF EXISTING BITUMINOUS DRIVEWAY	SY	570	\$2.75	\$1,567.50	0	\$0.00	570	\$1,567.50	
49	REMOVE AND DISPOSE OF EXISTING CONCRETE DRIVEWAY	SY	40	\$8.75	\$350.00	0	\$0.00	40	\$350.00	
50	REMOVE AND DISPOSE OF CONCRETE CURB AND GUTTER	LF	30	\$4.35	\$130.50	0	\$0.00	30	\$130.50	
51	REMOVE PIPE CULVERT	LF	165	\$5.50	\$907.50	0	\$0.00	165	\$907.50	
52	SALVAGE AND REINSTALL 18" RCP, INCL APRONS	LF	60	\$24.30	\$1,458.00	0	\$0.00	60	\$1,458.00	
53	PATCH BITUMINOUS DRIVEWAY	SY	200	\$35.00	\$7,000.00	0	\$0.00	200	\$7,000.00	
54	PATCH GRAVEL DRIVEWAY	TN	250	\$15.00	\$3,750.00	0	\$0.00	250	\$3,750.00	
55	6618 CONCRETE CURB AND GUTTER	LF	30	\$30.00	\$900.00	0	\$0.00	30	\$900.00	
56	12" CMP CULVERT	LF	30	\$20.50	\$615.00	0	\$0.00	30	\$615.00	
57	18" CMP CULVERT	LF	52	\$26.80	\$1,393.60	0	\$0.00	52	\$1,393.60	
58	21" CMP CULVERT	LF	40	\$31.00	\$1,240.00	0	\$0.00	40	\$1,240.00	
59	12" CMP APRON	EA	1	\$131.00	\$131.00	0	\$0.00	1	\$131.00	
60	18" CMP APRON	EA	2	\$157.00	\$314.00	0	\$0.00	2	\$314.00	
61	21" CMP APRON	EA	2	\$187.00	\$374.00	0	\$0.00	2	\$374.00	
62	8" DIP SANITARY SEWER, CLASS 52, 10' - 15' DEEP	LF	60	\$44.30	\$2,658.00	-20	-\$888.00	40	\$1,770.00	
63	8" PVC SANITARY SEWER, SDR 35, 0' - 10' DEEP	LF	700	\$25.70	\$17,990.00	0	\$0.00	700	\$17,990.00	
64	8" PVC SANITARY SEWER, SDR 35, 10' - 15' DEEP	LF	1,275	\$28.00	\$35,700.00	0	\$0.00	1,275	\$35,700.00	
65	8" PVC SANITARY SEWER, SDR 35, 15' - 20' DEEP	LF	425	\$59.00	\$25,075.00	0	\$0.00	425	\$25,075.00	
66	8" PVC SANITARY SEWER, SDR 35, 20' - 25' DEEP	LF	10	\$74.30	\$743.00	0	\$0.00	10	\$743.00	
67	8" PVC SANITARY SEWER, SDR 26, 0' - 10' DEEP	LF	50	\$28.10	\$1,405.00	0	\$0.00	50	\$1,405.00	
68	8" PVC SANITARY SEWER, SDR 26, 10' - 15' DEEP	LF	605	\$34.50	\$20,872.50	201	\$6,934.50	806	\$27,807.00	
69	8" PVC SANITARY SEWER, SDR 26, 15' - 20' DEEP	LF	345	\$69.90	\$24,115.50	90	\$6,291.00	435	\$30,406.50	
70	8" PVC SANITARY SEWER, SDR 26, 20' - 25' DEEP	LF	665	\$82.90	\$54,838.50	150	\$12,435.00	715	\$67,273.50	
71	8" PVC SANITARY SEWER, SDR 26, 25' - 30' DEEP	LF	15	\$94.20	\$1,413.00	70	\$6,594.00	85	\$8,007.00	
72	10" PVC SANITARY SEWER, SDR 26, 15' - 20' DEEP	LF	70	\$80.10	\$5,607.00	0	\$0.00	70	\$5,607.00	
73	10" PVC SANITARY SEWER, SDR 26, 20' - 25' DEEP	LF	185	\$51.50	\$9,527.50	-153	-\$7,879.50	32	\$1,648.00	
74	10" PVC SANITARY SEWER, SDR 26, 25' - 30' DEEP	LF	170	\$109.00	\$18,530.00	-170	-\$18,530.00	0	\$0.00	
75	10" PVC SANITARY SEWER, SDR 26, 30' - 35' DEEP	LF	90	\$137.00	\$12,330.00	-90	-\$12,330.00	0	\$0.00	
76	ROCK FOUNDATION BORROW	LF	5,000	\$0.01	\$50.00	0	\$0.00	5,000	\$50.00	
77	8" DIP SANITARY SEWER OUTSIDE DROP	LF	27	\$162.00	\$4,374.00	0	\$0.00	27	\$4,374.00	
78	8" DIP SANITARY SEWER BLIND OUTSIDE DROP	LF	29	\$151.00	\$4,379.00	0	\$0.00	29	\$4,379.00	
79	SANITARY SEWER MH, 4' DIAMETER	EA	26	\$2,460.00	\$63,960.00	1	\$2,460.00	27	\$66,420.00	
80	EXCESS MANHOLE DEPTH, 4' DIAMETER	LF	185	\$97.20	\$18,081.00	-16	-\$1,613.52	169	\$16,467.48	
81	TELEVIEW SANITARY SEWER	LF	4,655	\$1.75	\$8,146.25	78	\$136.50	4,733	\$8,282.75	
82	OFF ROAD STRUCTURE MARKER	EA	28	\$55.20	\$1,545.60	1	\$55.20	29	\$1,600.80	
83	8" PVC FORCE MAIN	LF	5,880	\$24.90	\$146,412.00	80	\$1,992.00	5,960	\$148,404.00	
84	AIR RELEASE MH	EA	2	\$5,410.00	\$10,820.00	0	\$0.00	2	\$10,820.00	
85	DIP FITTINGS	LB	140	\$5.55	\$777.00	46	\$273.70	186	\$1,050.70	
86	LIFT STATION	LS	1	\$220,000.00	\$220,000.00	0	\$0.00	1	\$220,000.00	
87	BITUMINOUS DRIVEWAY (LIFT STATION)	SY	160	\$33.00	\$5,280.00	157	\$5,181.00	317	\$10,461.00	

TOTALS - REVISED CONTRACT	\$1,701,884.50	\$11,162.82	\$1,713,047.32
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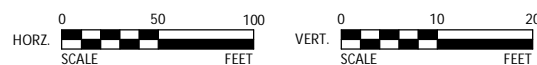
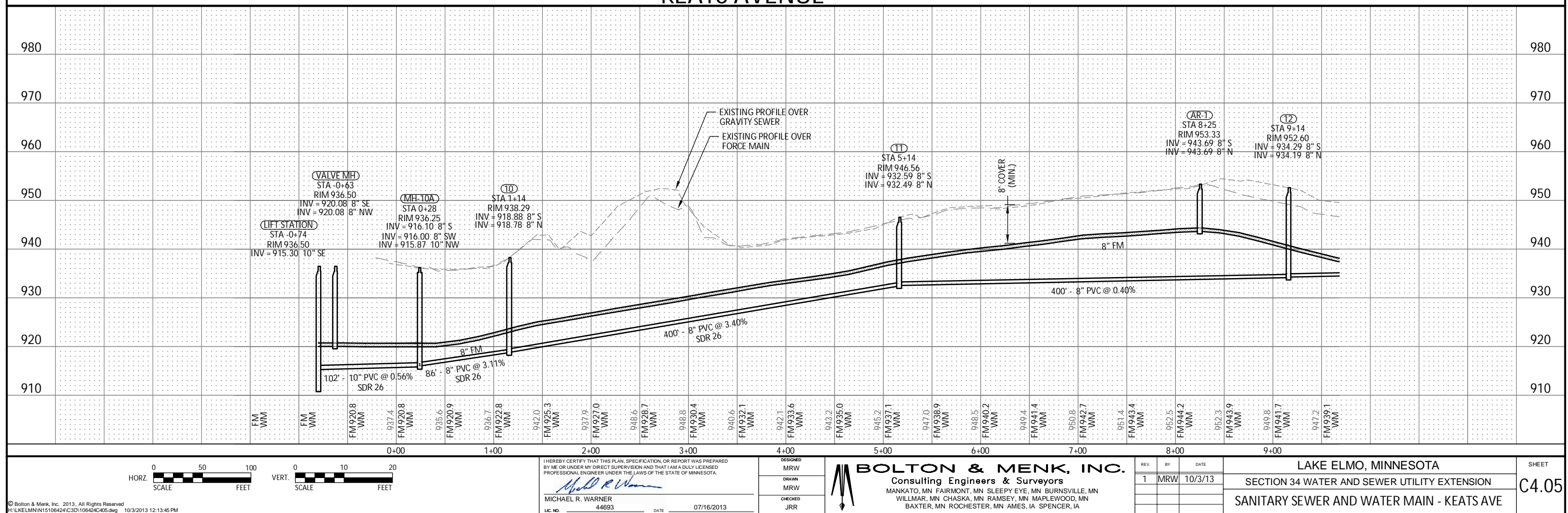


- SANITARY SEWER NOTES:**
1. ALL SANITARY SEWER PIPE SHALL BE SDR 35 UNLESS OTHERWISE NOTED.
  2. STATIONING IN PROFILE REFLECTS PIPE STATIONING.
  3. FORCE MAIN ELEVATIONS IN PROFILE ARE TO TOP OF PIPE.

- DRIVEWAY NOTES:**
1. PATCH BITUMINOUS DRIVEWAYS WITH:
    - 3" - 2360 TYPE SP 9.5 WEARING COURSE MIXTURE (2,B)
    - 6" - AGGREGATE BASE, CLASS 5, 100% CRUSHED
  2. PATCH GRAVEL DRIVEWAYS WITH:
    - 8" - AGGREGATE BASE, CLASS 2, 100% CRUSHED

## KEATS AVENUE

REVISED 10/3/2013



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.

MICHAEL R. WARNER  
LIC. NO. 44693 DATE 07/16/2013

DESIGNED  
MRW  
DRAWN  
MRW  
CHECKED  
JRR

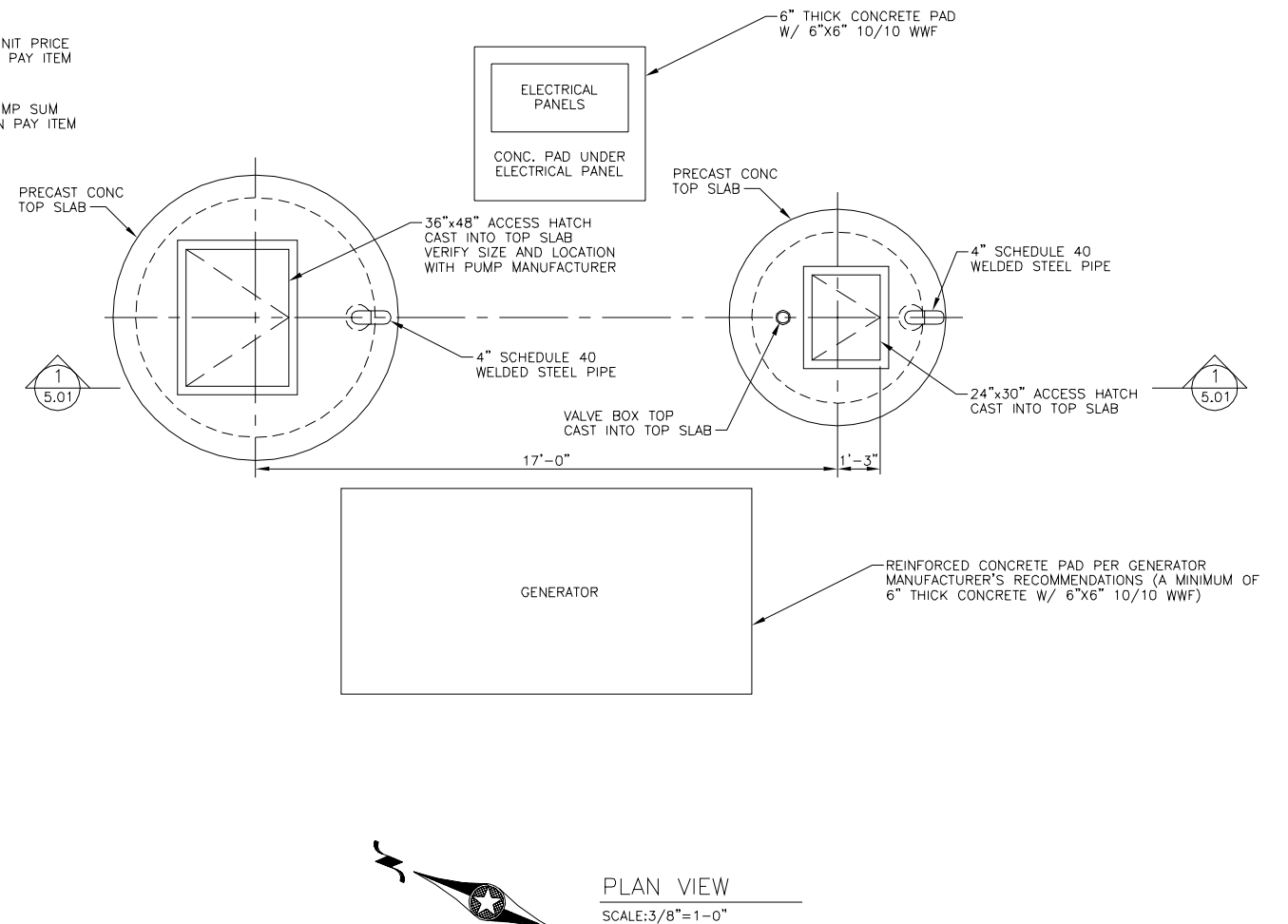
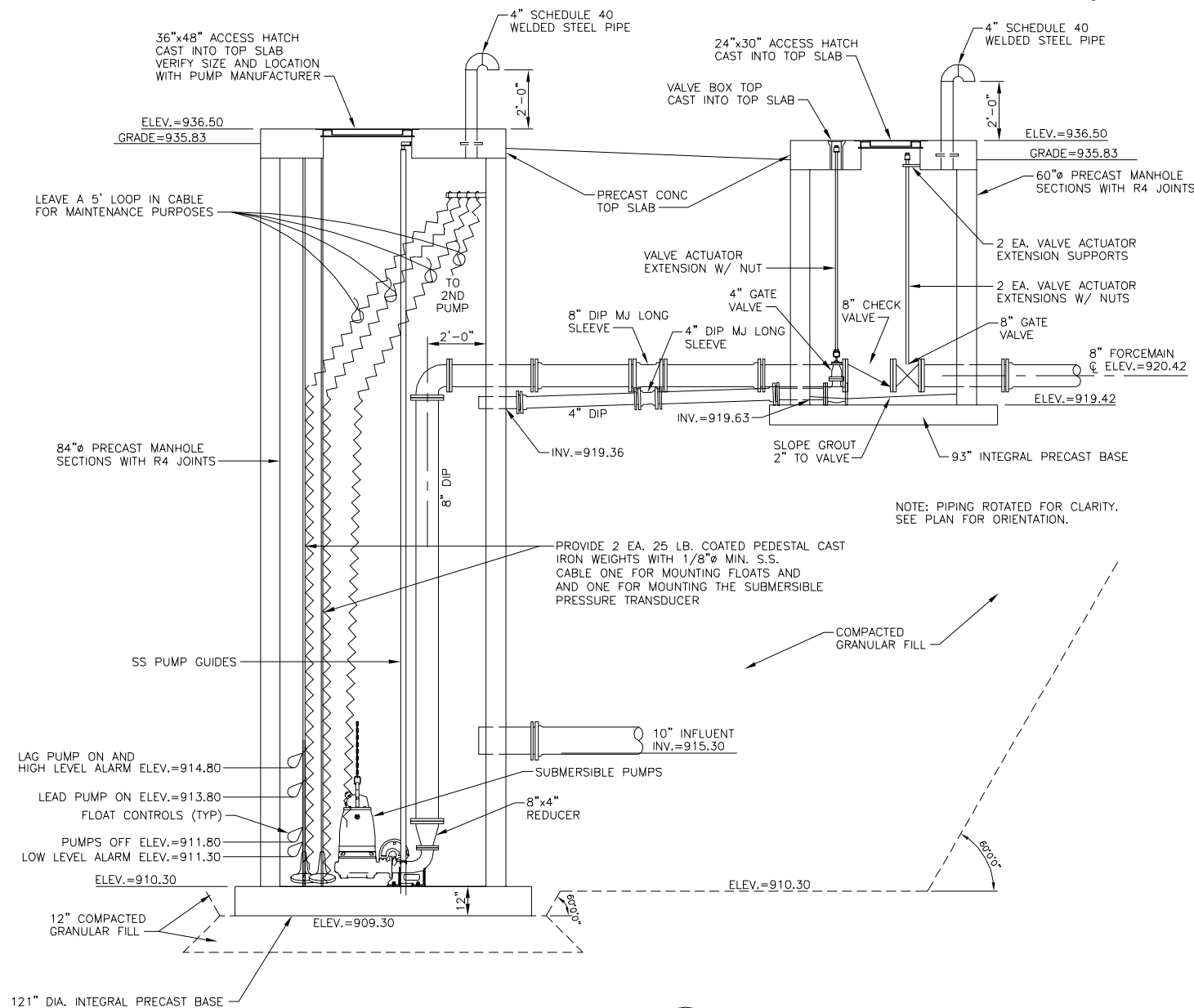
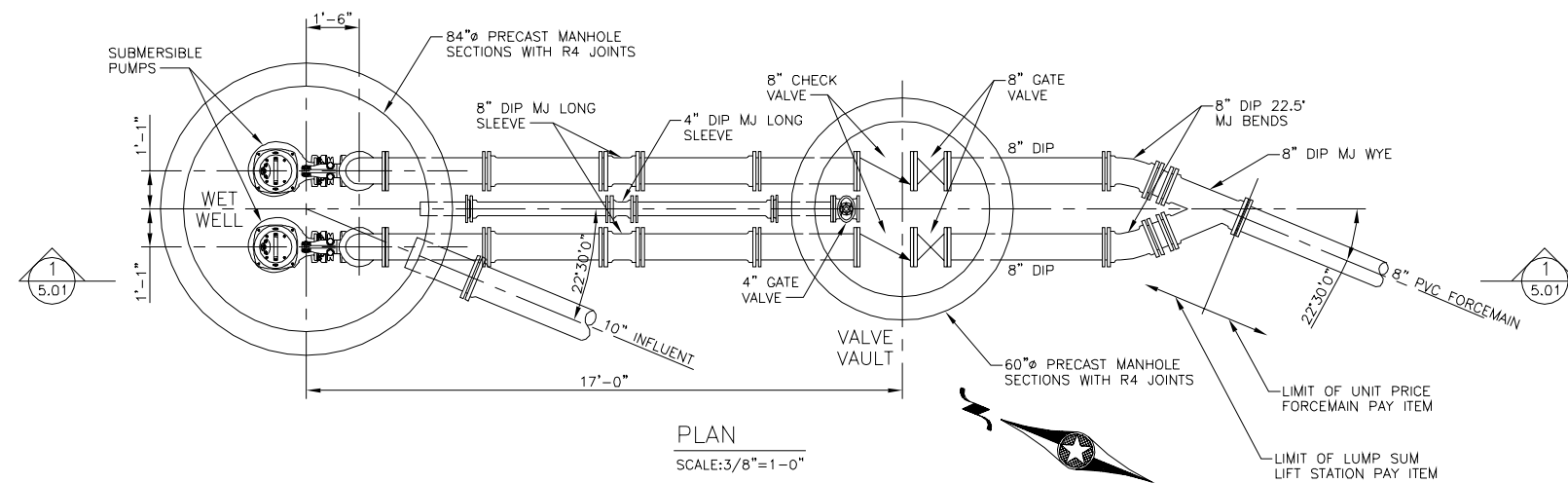


**BOLTON & MENK, INC.**  
Consulting Engineers & Surveyors  
MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN BURNSVILLE, MN  
WILLMAR, MN CHASKA, MN RAMSEY, MN MAPLEWOOD, MN  
BAXTER, MN ROCHESTER, MN AMES, IA SPENCER, IA

REV.	BY	DATE
1	MRW	10/3/13

LAKE ELMO, MINNESOTA  
SECTION 34 WATER AND SEWER UTILITY EXTENSION  
SANITARY SEWER AND WATER MAIN - KEATS AVE

SHEET  
C4.05



NOTE:  
ALL FLANGED AND MJ FITTINGS FOR LIFT STATION PIPING  
SHALL HAVE 316 STAINLESS STEEL BOLT SETS.

REVISED 10/3/2013





