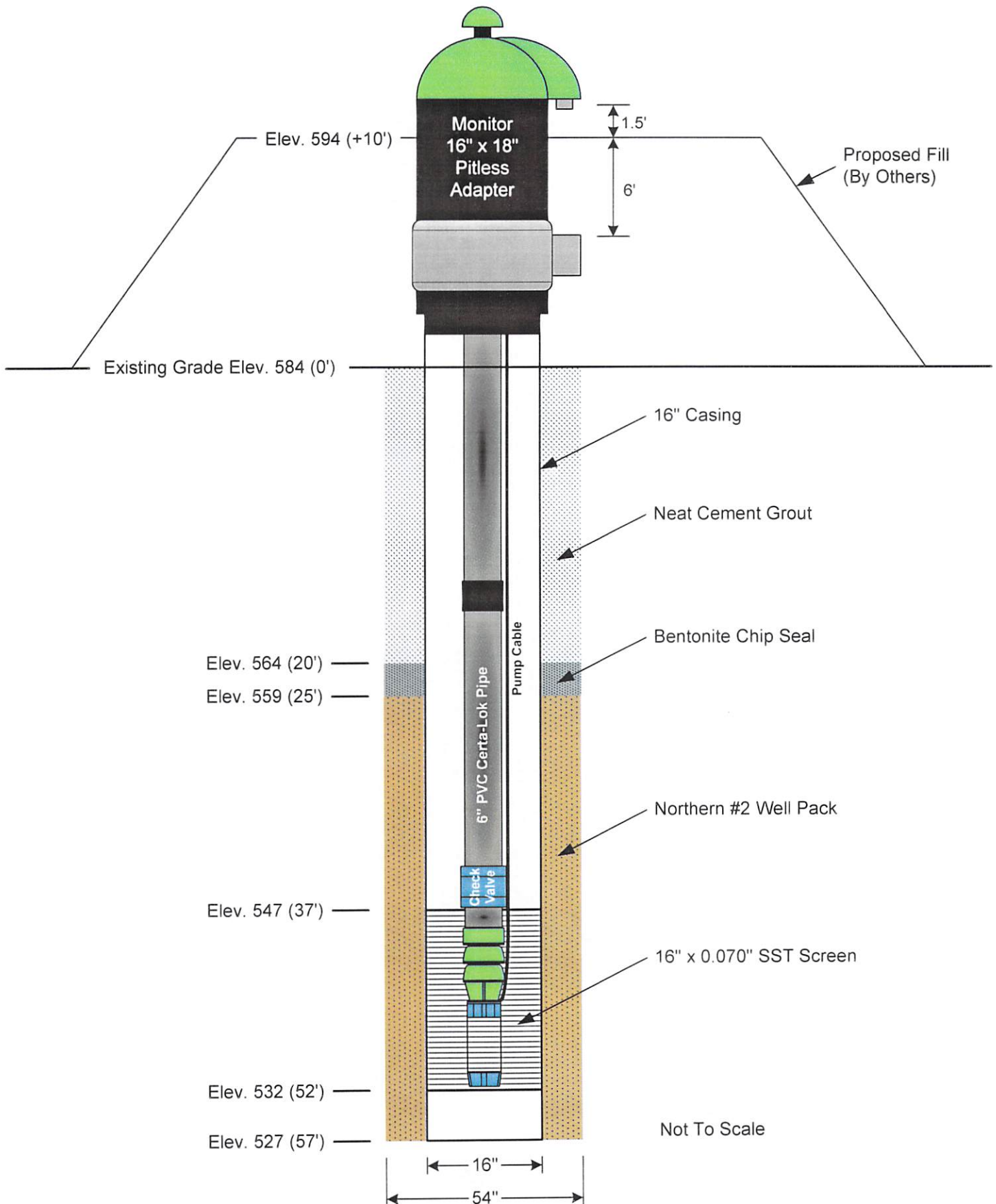


Make photocopies for:
well contractor, customer, and county health department

Proposed Well #6 Construction Detail
City of Columbus Junction, Iowa
May 7, 2014



Layne Christensen Company
 4601 N. 252nd Street
 Valley, NE 68064
 (402)359-2042/Fax: (402)359-2310

WELL TEST DATA REPORT

PUMPING TEST

PAGE 1



PROJECT: City of Columbus Junction
 JOB NO.: 21806
 LOCATION: Columbus Junction, IA
 WELL NO: 6
 WELL DIAMETER: 15.25 Inches ID
 WELL DEPTH: 59.0 from top of casing
 TOP OF SCREEN: 38.0 from top of casing
 STATIC LEVEL: 14.0 from top of casing
 ORIFICE SIZE: 6" x 4"

DATE TESTED: 3/10/2014
 TESTED BY: Kevin Dexter
 DRIVER:
 COLUMN AND SHAFT:
 BOWL SIZE & MAKE:
 MANUFACTURER:
 SERIAL NUMBER:

TIME	PIEZ. READ. (IN)	FLOW RATE (GPM)	AIRLINE READING (FEET)	WATER LEVEL (FEET)	DRAW DOWN (FEET)	DISCHARGE PRESSURE (LBS.) (FEET)		SPEC. CAPACITY (GPM/FT)	REMARKS
1 min		402.0		26.29	12.25			32.82	
2		402.0		27.48	13.44			29.91	
3		402.0		27.81	13.77			29.19	
4		402.0		28.12	14.08			28.55	
5		402.0		28.29	14.25			28.21	
6		402.0		28.48	14.44			27.84	
7		402.0		28.69	14.65			27.44	
8		402.0		28.87	14.83			27.11	
9		402.0		28.91	14.87			27.03	
10		400.0		28.62	14.58			27.43	Adjust Valve to 400
15		400.0		29.29	15.25			26.23	
20		400.0		29.60	15.56			25.71	
25		400.0		29.89	15.85			25.24	
30		400.0		30.13	16.09			24.86	
35		400.0		30.33	16.29			24.55	
40		400.0		30.51	16.47			24.29	
45		400.0		30.63	16.59			24.11	
50		400.0		30.60	16.56			24.15	
55		400.0		30.61	16.57			24.14	
60		400.0		30.70	16.66			24.01	
65		400.0		30.62	16.58			24.13	
70		400.0		30.64	16.60			24.10	
75		400.0		30.71	16.67			24.00	
80		400.0		30.79	16.75			23.88	
85		400.0		30.87	16.83			23.77	
90		400.0		30.87	16.83			23.77	
95		400.0		30.90	16.86			23.72	
100		400.0		30.93	16.89			23.68	

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WELL TEST DATA REPORT

PUMPING TEST

PAGE 2



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TIME	PIEZ. READ. (IN)	FLOW RATE (GPM)	AIRLINE READING (FEET)	WATER LEVEL (FEET)	DRAW DOWN (FEET)	DISCHARGE PRESSURE (LBS.) (FEET)		SPEC. CAPACITY (GPM/FT)	REMARKS
115 min		400.0		30.96	16.92			23.64	Clear Water
130		400.0		31.00	16.96			23.58	No Sand
145		400.0		31.05	17.01			23.52	
160		400.0		31.08	17.04			23.47	
180		400.0		31.15	17.11			23.38	
210		400.0		31.18	17.14			23.34	
240		400.0		31.28	17.24			23.20	
270		400.0		31.42	17.38			23.01	
300		400.0		31.55	17.51			22.84	
360		400.0		31.65	17.61			22.71	
420		400.0		31.74	17.70			22.60	
480		400.0		31.90	17.86			22.40	
540		400.0		31.91	17.87			22.38	
600		400.0		31.94	17.90			22.35	
660		400.0		31.97	17.93			22.31	
720		400.0		32.01	17.97			22.26	
780		400.0		32.01	17.97			22.26	
840		400.0		32.00	17.96			22.27	
900		400.0		32.02	17.98			22.25	
960		400.0		32.03	17.99			22.23	
1020		400.0		32.07	18.03			22.19	
1080		400.0		32.10	18.06			22.15	
1140		400.0		32.18	18.14			22.05	
1200		400.0		32.21	18.17			22.01	No Sand in Tester
1260		400.0		32.30	18.26			21.91	
1320		400.0		32.39	18.35			21.80	
1380		400.0		32.41	18.37			21.77	
1440		400.0		32.44	18.40			21.74	

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WELL TEST DATA REPORT RECOVERY

PAGE 1



PROJECT: City of Columbus Junction
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TIME	PIEZ. READ. (IN)	FLOW RATE (GPM)	AIRLINE READING (FEET)	WATER LEVEL (FEET)	DRAW DOWN (FEET)	DISCHARGE PRESSURE (LBS.) (FEET)		SPEC. CAPACITY (GPM/FT)	REMARKS
1 min		0		24.28					
2		0		20.99					
3		0		19.79					
4		0		19.20					
5		0		18.77					
6		0		18.46					
7		0		18.24					
8		0		18.05					
9		0		17.90					
10		0		17.72					
15		0		17.13					
20		0		16.82					
25		0		16.60					
30		0		16.36					
35		0		16.19					
40		0		15.98					
45		0		15.84					
50		0		15.71					
55		0		15.65					
60		0		15.56					
65		0		15.51					
70		0		15.46					
75		0		15.41					
80		0		15.36					
85		0		15.32					
90		0		15.29					
95		0		15.24					
100		0		15.18					

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WELL TEST DATA REPORT
RECOVERY PAGE 2

PAGE 2



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[illegible]