

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
BENEFICIAL USE FIELD REPORT

A. GENERAL INFORMATION

Permit No: 65-23263

Exam Date: 5/16/2013

1. Current Owner: CITY OF NEW PLYMOUTH
PO BOX 158
NEW PLYMOUTH ID 83655
(208)278-5338
2. Accompanied by: Beau Ziemer, Public Works Supervisor
Phone No: (208)642-3304, or cell: (208)573-5277
Address: 301 N. Plymouth Ave., New Plymouth, ID 83655 Email: beauziemer@cableone.net
Relationship to Permit Holder: Public Works Supervisor for the City of New Plymouth

Some information obtained from: Andy Gehrke, Holladay Engineering (208)642-3304; cell: (208)919-1272
andy@holladayengineering.com

3. SOURCE TRIBUTARY
GROUND WATER

B. OVERLAP REVIEW

1. Other water rights with the same place of use: 65-25, 65-26, 65-27, 65-7093, 65-12213, 65-13735 (SEE ATTACHMENT)
2. Other water rights with the same point of diversion: None (once the transfer application has been completed by Western, the PODs will be updated to show wells 6, 7, 8, 9, and include water rights 65-25, 65-26, 65-27, 65-7093, 65-12213, and 65-13735). SEE ATTACHMENT. We are completing the license this way without processing an amendment, to avoid duplication of fees).

C. DIVERSION AND DELIVERY SYSTEM**1. LOCATION OF POINT(S) OF DIVERSION:**

GROUND WATER SE1/4NE1/4 Sec. 8, Twp 07N, Rge 04W, B.M. PAYETTE County

Method of Determination: Gamin GPS Map 76S, ArcMap 2011

2.

PLACE OF USE: MUNICIPAL

Within the City of New Plymouth water service area boundary (see map, for service area found during field examination)

Method of Determination: Gamin GPS Map 76S, ArcMap 2011

3. ☒ Delivery System Diagram Attached (required). Indicate all major components and distances between components. Indicate weir size/pipe as applicable.
☒ Map Attached Showing Location(s) of point(s) of diversion and place(s) of use (required). Scale must be 1:24,000 or greater.
☒ Aerial Photo Attached (required for irrigation of 10+ acres).
☒ Photo of Diversion and System Attached

4.

<u>Well or Diversion</u>	<u>Motor Make</u>	<u>Hp</u>	<u>Motor Serial No.</u>	<u>Pump Make</u>	<u>Pump Serial No. or Discharge Size</u>
<u>ID No.*</u> D0053403 (well #9) Submersible	Goulds	20		model 6DHHC	6-inch

System runs at 45 psi.

Well #9 is a low arsenic well that is run at a 3:1 blend ratio with wells 7 and 8, to lower the arsenic level below the Maximum Contaminant Level (MCL).

Booster Pumps:

- (1) Emerson US Motor model R415 3-phase, 10 Hp, 4-inch discharge, 45 psi
- (2-4) Emerson US Motor model N871 3-phase, 40 Hp, 6-inch discharge, 45 psi
- (5-7) Emerson US Motor model E685A 3-phase, 20 Hp, 6-inch discharge, 10 psi back pressure

Boosters 1 – 4 are used if flow is diverted directly to the distribution through the 12-inch ductile line (in the event of having to conduct repairs, etc to the 250,000 gallon storage tank.

Boosters 5 – 7 divert through the 8-inch ductile line to the 360,000 gallon storage tank, located at well #8 site.

The system rarely runs directly to the distribution.

250,000 gallon storage tank located there at well #9.

*Code to correspond with No. on map and aerial photo

D. FLOW MEASUREMENTS

1.

<u>Measurement</u>	<u>Type</u>	<u>Make</u>	<u>Model No.</u>	<u>Serial No.</u>	<u>Size</u>	<u>Calib. Date</u>
<u>Equipment</u>						

1. (3) ABB MagMaster Flow Meters (mounted on the south side of the pump house wall.

East side, is for the Distribution

Center, is for the blending tank.

West side, is for well #9.

During the field examination, it was not during the Peak Demand Period of 6am – 8am, so these values were not used. Instead, historical monitoring records for the beneficial use period were used to calculate the diversion rate. Also, there was not enough room anywhere on the discharge lines to place a measuring device for a comparison of the ABB MagMaster Flow Meters, or compare it to records submitted.

2. **Historical Records Submitted:**

2010 Total Annual Volume = 24,632,200 gallons (partial year, April – December)

2011 Total Annual Volume = 32,916,100 gallons

2012 Total Annual Volume = 31,379,900 gallons

Maximum Daily Volume = 354,000 gallons (August 15, 2012)

Maximum Instantaneous Rate of Flow = 449 gpm (**1.00 cfs**) pump is capable of >1.00 cfs, but is controlled by a VFD through computerized control system to not exceed 1.00 cfs.

3. **Theoretical:**

$$(8.8 \times 20 \text{ HP} \times 0.7 \text{ eff}) / [40' + (45 \text{ psi} \times 2.31)] = 123.2 / 143.95 = 0.86 \text{ cfs}$$

This seems low, in reference to historical monitoring records, so this value will be thrown out.

RECOMMEND:

Municipal 1.00 cfs, as shown with the historical records, with combined limits with other existing municipal water rights of 3.45 cfs. A paragraph will be included on the cover letter addressing fire protection.

E. VOLUME CALCULATIONS

1. Volume Calculations for Municipal: None listed on licenses for the Municipal

F. NARRATIVE/REMARKS/COMMENTS

Well #9 (D0053403) is located at 5827 Adams Rd., New Plymouth directly north of the pump/control house. It was drilled 3/3/2009 by Adamson Pump and Drill No. 457. The well is a 10 inch casing, extending 22 inches above ground level; 224 ft deep, 5 ft static, 40 ft drawdown, submersible 20 Hp Goulds Model 6DHHC, 3450 rpm motor, 6-inch discharge from the well into the pump house located directly south. The 6-inch line discharges through an ABB MagMaster Flow Meter prior to discharging to the 250,000 storage tank. From the storage tank back to the pump house, there is a 12-inch inlet with 3 booster pumps (No. 5 - 7) to boost flow to the 360,000 gallon storage tank located at well No. 8. Boosters 5 - 7 are: Emerson 3-phase, 20 Hp, model E685A, with 6-inch discharge, and at the time of the field exam had 10 psi back pressure on each. There is an 8-inch discharge to the distribution, going to the storage tank at well No. 8. In the event well No. 9 were to discharge directly to the distribution system, instead of discharging to the 250,000 gallon storage tank (in the event of tank repairs, etc), it would go through the east side of the pump house using booster pumps No. 1 - 4. Booster pump No. 1: Emerson 3-phase, 10 Hp model R415, 4-inch discharge. Booster pump No. 2 - 4: Emerson 3-phase, 40 Hp, Model N871, 6-inch discharge each. All 4 pumps were 45 psi at the time of the field examination. The discharge line going to the distribution directly is 12-inches. On the south side of the pump house are the 3 ABB MagMaster Flow Meters mounted on the wall (the east side is for the distribution, center one is from the blending tank, and the west side is for well #9). To the southwest of the pump house is a 250,000 gallon storage tank with a 6-inch overflow that drains to a settling pond and storm drain to the north. The above system is interconnected with wells 7 and 8 for the purposes of blending well 9 to a ratio of 3:1 to reduce the Arsenic levels (for purposes of not duplicating fee, updating the PODs involved in the interconnected system will be updated with the transfer application that Western IDWR has possession). The current distribution system consists of well 6 (an emergency well that discharges directly to the system), and wells 7, 8, and 9, which blend prior to discharging to the distribution. The distribution consists of buried 12-inch PVC, 8-inch PVC, 6-inch PVC and some 4-inch PVC throughout the service area boundary. At the time of the field examination there was 653 connections. Non-domestic Use: immediate yards: industrial use is minimal with organic chicken, and 3 schools for internal use only. The entire system is monitored by utilizing a SCADA SRM6000 Frequency Hopping Spread Spectrum radio modem (supervisory control and data acquisition) system, which is a computer system for gathering and analyzing real time data, for monitoring and controlling equipment, levels in the storage tank, diversion rate, alerting of leaks, etc. The Peak Demand for the City of New Plymouth is from 6am - 8am during the year, and June thru August.

Have conditions of permit approval been met? ☒ Yes ☐ No

A report was submitted, showing the total annual volume, the maximum daily volume, and the maximum instantaneous rate of flow diverted from the point of diversion during the development period. The report showed the maximum instantaneous rate of diversion qualified by Holladay Engineering Co. The reports explain how water diverted under this permit provides an additional increment of beneficial use of water for the City of New Plymouth municipal water system.

G. RECOMMENDATIONS**1. Recommended Amounts**

<u>BENEFICIAL USE</u>	<u>PERIOD OF USE</u>	<u>DIVERSION RATE</u>
MUNICIPAL	01/01 to 12/31	1.000 CFS

Totals: 1.000 CFS

2. Recommended Amendments

☐ Change P.D. as reflected above ☐ Add P.D. as reflected above ☒ None

☐ Change P.U. as reflected above ☐ Add P.U. as reflected above ☐ Other

***The existing system will be updated with the transfer application that Western IDWR has possession of. This will eliminate duplication of fees being spent, and allow everything to be updated at the same time.

H. AUTHENTICATION

Field Examiner's Name

Sandy Hemenway Date *6/10/2013*

FOR: 65-23263, and 65-13735 City of New Plymouth

By: Sandy Hemenway

Date: 6/6/2013

Well and Distribution System Description:

1-4: Abandoned but according to Blakley Engineering reports they were operational in 1974; no other written reports.
(Water Rights 65-26, 65-7093, 65-27, and 65-25 will all be incorporated into the transfer filed to show the existing system)

5: This well was disconnected from the distribution in 1997, but the pump is still in tact. The City plans to use this well again in the future to irrigate a park. No plumbing has been installed to date.

6: Emergency well, in the event of a fire, that discharges directly into the distribution. There was a 20,000 elevated storage tank located here (Elm and Hawthorne), but it was taken off-line.

7: 8 inch casing, 100 ft deep, 14 ft static, 30 Hp Pacific Equipment submersible serial #385F250A. This is located 3/4 mile south end of New Plymouth. Discharges into 360,000 gallon storage tank (located at well #8) where it is blended, due to high Arsenic.

8: (Location for the 360,000 gallon blending storage tank) The POD is ID Tag # D0001496, 10 inch casing, casing extends 6 inches above ground level, 85 ft deep, 16 ft static, 30 Hp Franklin Electric submersible serial #3857F250B, 6 inch discharge into pump house, through a 6 inch McCrometer flowmeter model no. XR06PAIDA25, serial #97122582 cal. Coeff. 1-099 flow range 0 - 2850 USGPM. The line T's with the one going to the storage tank (along with flows from well 7 & 9). If work is being conducted on the storage tank, well 8 can flow the other direction directly to the distribution. There is an inlet from the storage tank that ties into that same line. The system runs at 50 psi. There are 3 booster pumps on the 8 inch ductile discharge line to the distribution with a McCrometer flowmeter, 8 inch, model XR08AIDA25, serial # 98022647, cal. Coeff. 1-280, flow range 0 - 4900 USGPM. The 3 booster pumps are as follows: #1 Emerson US Motor cat. No. DJ20SIAM 3-phase, 20 Hp, 8 inch discharge; Booster #2: Emerson US Motor Cat. No. DJ50S2BM model G249, 3-phase, 50 Hp, 8 inch discharge; Booster #3: Emerson US Motor model G249, Cat. No. DJ50S2BM, 50 Hp, 3-phase, 4 inch discharge. The installers for the storage tank: A.O Smith Engineer (359,000 gallon capacity, AQQA D103), was installed 9/1998, with a 30 inch access hatch, 6 inch overflow; There is a Cummins Power Generation (back-up generator). The well was drilled 12/7/1997 by Riverside Inc. The reason that this well was drilled, and storage tank, was because the existing reservoir was inadequate for fire protection and pressure. (the 20,000 gal. tank at well #6 has now been disconnected)

9: (Location for the 250,000 gal. storage tank). D0053403, drilled 3/3/2009 Adamson Pump and Drill, 10 inch casing, extending 22 inches above ground level, 224 ft deep, 40 ft drawdown, 5 ft static, 20 Hp submersible. The well is located directly north of the pump/control house, with the 250,000 gallon storage tank located to the southwest. There is a 6 inch overflow from the storage tank that goes to a drain/overflow pond to the north. There is a 6 inch discharge from the well to the pump house, that goes through flow meter prior to discharging to the 250,000 storage tank. From the storage tank to the pump house, there is a 12 inch inlet with 3 booster pumps (#5 - 7) to boost flow to the 360,000 gallon storage tank located at well #8 (#5 - 7 are: Emerson 3 phase, 20 Hp, model E685A, w/6" discharge, and at the time of the field exam 10 psi back pressure). There is an 8 inch discharge to the distribution, going to the storage tank at well #8. In the event well #9 were to discharge directly to the distribution system, instead of discharging to the 250,000 gallon storage tank, it would go through the east side of the pump house using booster pumps #1 - 4. Booster pump #1 has a 1 inch discharge, is an Emerson 3-phase, 10 Hp model R415. Booster pumps #2 - 4: Emerson 3-phase, 40 Hp, Model N871, 6 inch discharge. All 4 pumps were 45 psi. The discharge line going to the distribution directly is 12 inch. On the south side of the pump house are the flow meters on the wall (the east side is for the distribution, center one is from the blending tank, and the west side is for well #9. On the south wall of the pump house are the 3 ABB MagMaster Flow Meters (east side is distribution, center is blending tank, and west side is for well #9). Reason for this water right: Well #9 is low in arsenic, and is blended 3:1 with the other wells to maintain an Arsenic level below the Maximum Contaminant Level (MCL).

Well #9: Gould's Model 6DHC submersible 20 Hp 3450 rpm motor.

2010 Total Annual Volume = 24,632,200 gallons (partial year, April - December)

2011 Total Annual Volume = 32,916,100 gallons

2012 Total Annual Volume = 31,379,900 gallons

Maximum Daily Volume = 354,000 gallons (August 15, 2012)

Maximum Instantaneous Rate of Flow = 449 gpm (1.00 cfs) pump capable of >1.00 cfs, but controlled by VFD through computerized control system to not exceed 1.00 cfs.

Wells #6, 7, 8, and 9, and distribution system:

The above system is interconnected, and when the transfer is processed, all points of diversion will show on each water right Wells 7 - 9 pump to the 360,000 gallon storage tank, before being discharged to the distribution system for the City of New Plymouth. Wells 7 - 9 can pump directly to the system, in the event the storage tank requires maintenance.

Well #6 (the emergency well) discharges directly to the distribution, although during non-emergency times it is not used, but is exercised 2 - 3 times per year. There are 91 hydrants on the entire system. The entire system is monitored by utilizing a SCADA (Supervisory Control and Data Acquisition) system, which is a computer system for gathering and analyzing real time data, for monitoring and control equipment, levels in the storage tank, diversion rate, alerting of leaks, etc. (SCADA System: SRM6000 Frequency Hopping Spread Spectrum radio modem).

There is 653 connections on the present water system.

The Peak Demand for the City of New Plymouth is from 6am - 8am during the year, and June thru August.

Throughout the entire City of New Plymouth service area boundary, the following buried distribution system is installed: 12-inch PVC, 8-inch PVC, 6-inch PVC and some 4-inch PVC.

Non-domestic Use:

Immediate yards; industrial use is minimal with organic chicken; 3 schools for internal use only

City of New Plymouth POU Overlaps:

Farmers Coop Irrigation (surface water), and some private domestic wells

65-20 New Plymouth School Dist., irrigation 7 acres (groundwater source)

65-2923C and 65-2923E Lake Reservoir Co. Irrigation (surface water)

65-25, 65-26, 65-27, 65-7093, 65-12213, 65-13735, and 65-23263 are all the City of New Plymouth water rights, that are being incorporated into a transfer to show the system as it currently exists.

Until that transfer is accomplished, these water rights were for specific wells (see below). The system now is interconnected:

Bas Sequence	Process	Basis	Dr	Priority	Dat	Div.Rate	Source	List	Water Use	Owner	Total Acre	Water Dis	WELL	STATUS	Reason for Water Right
65	26	Water Right Decreed	N	6/1/1929	0.270	Groundwater	Irr., Municipi	New Pl	12.0	65-Payett			1	Abandoned	
65	7093	Water Right Decreed	N	8/8/1969	0.400	Groundwater	MUNICIPAL	New Plymouth	65-Payett				2	Abandoned	
No water right. A building was built over the top of this well.													3	No Record	
65	27	Water Right Decreed	N	6/1/1943	0.270	Groundwater	MUNICIPAL	New Plymouth	65-Payett				4	Abandoned	Current operator does not know where this well ever was located
65	25	Water Right Decreed	N	7/18/1961	0.780	Groundwater	MUNICIPAL	New Plymouth	65-Payett				5	Off-Line	not abandoned; keeping for future irr. Use
No water right													6	Emergency	
65	12213	Water Right Decreed	N	4/6/1979	1.000	Groundwater	MUNICIPAL	New Plymouth					7	On-Line	
65	13735	Water Right License	Y	6/16/1997	1.120	Groundwater	MUNICIPAL	New Plymouth					8	On-Line	undersized dist., existing storage not adequate for fire prot/press.
65	23263	Water Right License	Y	2/21/2008	1.000	Groundwater	MUNICIPAL	New Plymouth					9	On-Line	add'l storage, and 3:1 blending to reduce Arsenic levels
65	2260	Water Permit	N					New Plymouth							
TOTAL:					2.72	cfs already Decreed (without wells 8 and 9 being licensed), and 3.45 cfs including wells 8 and 9.									

Abandoned wells, or ones with no record of having ever been drilled (1974 Blakley Engineering reports operational in 1974)

Off-Line, and disconnected from the Existing Distribution System; City's intent is to retain well to provide irr. Water for future park (not piped yet)

#6 Emergency well, throttled down to 150 gpm (300 gpm capacity); exercised 2 - 3 X/year (currently not covered under any water right); included with Existing Distribution System

Active Wells on the Existing Distribution System

Active Wells (those on-line)

<u>Well Drilled</u>	<u>Casing Size</u>	<u>Depth</u>	<u>Hp</u>	<u>Drawdown</u>	<u>Static</u>	<u>Tag ID#</u>	<u>Max. Instantaneous Rate of Diversion for Entire City of New Plymouth</u>
6				unknown			150 gpm (0.3345 cfs)
7	6/14/1978	8 inch	100 ft	30	unknown	14 ft	449 gpm (1.00 cfs)
8	12/7/1997	10 inch	85 ft	30	unknown	16 ft	500 gpm (1.115 cfs)
9	3/3/2009	10 inch	224 ft	40 ft	5 ft	D0053403	449 gpm (1.00 cfs)
							1,548 gpm (3.45 cfs)

Entire City of New Plymouth Municipal Water System:

Maximum Instantaneous Rate of Diversion for Entire City of New Plymouth Municipal Water System = 1,548 gpm (3.45 cfs)*

*(150 gpm from Well 6, 449 gpm from Well 7, 500 gpm from Well 8, and 449 gpm from Well 9)

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

854458

1. WELL TAG NO. D 0053403

Drilling Permit No. 907054-854458

Water right or injection well # 65-23263

2. OWNER: CITY OF NEW PLYMOUTH

Name CITY OF NEW PLYMOUTH

Address PO BOX 158

City NEW PLYMOUTH State ID Zip 83655

3. WELL LOCATION:

Twp. 7 North ☒ or South ☐ Rge. 4 East ☐ or West ☒

Sec. 8 SE 1/4 SE 1/4 NE 1/4

Gov't Lot _____ County PAYETTE

Lat. _____ (Deg. and Decimal minutes)

Long. _____ (Deg. and Decimal minutes)

Address of Well Site 5827 ADAMS Rd

City NEW PLYMOUTH

Lot. _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☒ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection
☐ Other MUNICIPAL WELL #9

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other

6. DRILL METHOD:

☐ Air Rotary ☒ Mud Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
BENTONITE GR.	1	110	950 GAL.	PRESSURE GROUTED
CEMENT	110	170	64 GAL.	PRESSURE GROUTED

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Linear	Threaded	Welded
10"	+2	125	.365	CARBON STEEL	☒	☐	☐	☒
10"	155	176	.365	CARBON STEEL	☒	☐	☐	☒
10	206	216	.365	CARBON STEEL	☒	☐	☐	☒

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____Manufactured screen ☒ Y ☐ N Type _____

Method of installation SET IN PLACE

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
125	155	.030	—	10 PS.	STAINLESS	N/A
176	206	.030	—	10 PS.	STAINLESS	N/A

Length of Headpipe N/A Length of Tailpipe 10 FT

Packer ☐ Y ☒ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
B-12	120	160	34 FT ³	SLOW POUR
B-12	170	224	50 FT ³	SLOW POUR

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device N/A

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) N/A Static water level (ft) 5

Water temp. (°F) 60° Bottom hole temp. (°F) 60°

Describe access port BAKER LARGE PITLESS UNIT

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
40 FT	440 GPM	24

Test method:

Pump	Bailer	Air	Flowing artesian
☒	☐	☐	☐

Water quality test or comments: PH 8.5 IRON <.05 ARS 2 MM. B.3

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water	
				Y	N
20"	0	10	TOP SOIL		
20"	10	18	SANDY CLAY		
20"	18	28	BROWN CLAY		
20"	28	42	SAND & GRAVEL		
20"	42	47	BROWN CLAY		
16"	47	48	FINE SAND		
16"	48	50	BROWN CLAY		
16"	50	54	FINE SAND		
16"	54	65	BROWN CLAY		
16"	65	73	FINE SAND		
16"	73	80	BROWN CLAY		
16"	80	83	FINE SAND		
16"	83	90	BLUE CLAY		
16"	90	94	FINE SAND		
16"	94	111	SAND AND CLAY		
16"	111	116	FINE SAND		
16"	116	122	BLUE CLAY		
16"	122	137	FINE SAND		
16"	137	142	BLUE CLAY		
16"	142	153	COARSE SAND		
16"	153	177	BLUE CLAY W/ FINE SAND		
16"	177	183	COARSE SAND		
16"	183	197	SAND AND CLAY		
16"	197	201	FINE SAND		
16"	201	203	BLUE CLAY		
16"	203	206	COARSE SAND		
16"	206	208	BLUE CLAY		
16"	208	215	COARSE SAND		
16"	215	224	SAND AND CLAY		

RECEIVED
APR 16 2009WATER RESOURCES
WESTERN REGION

Completed Depth (Measurable): 216 FT

Date Started: 1-20-09 Date Completed: 3-3-09

14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name ADAMSON PUMP & DRILL Co. No. 457

*Principal Driller Dave Adamson Date 4-8-09

*Driller Dave Adamson Date 4-8-09

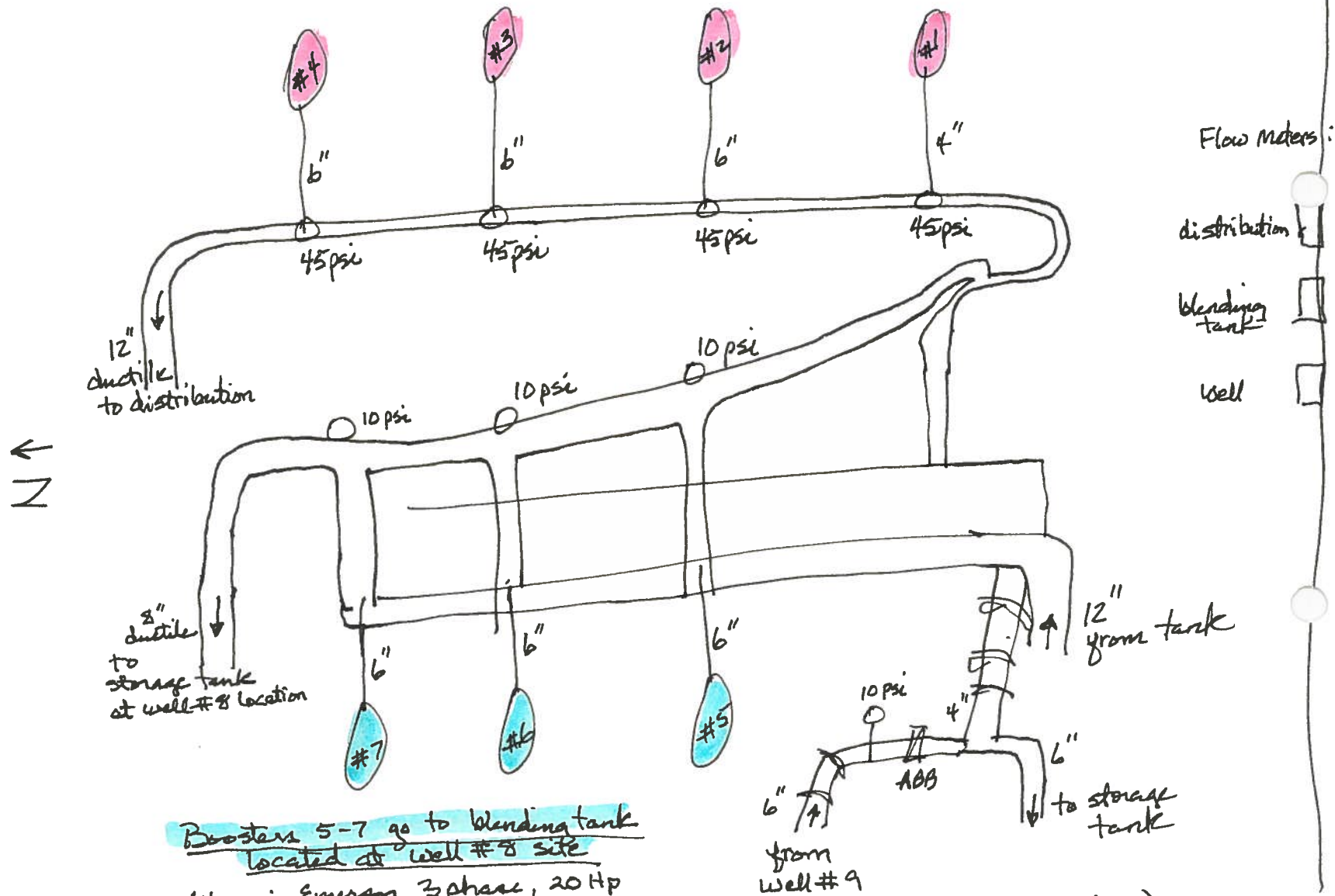
*Operator Harry Moore Date 4-8-09

Operator 1 Chuck Young Date 4-8-09

* Signature of Principal Driller and rig operator are required.

Boosters 1-4 go to the distribution

#1 Emerson 3 phase, 10 HP, model R415, 4" discharge
#2-4 Emerson 3 phase, 40 HP, model N871, 6" discharge



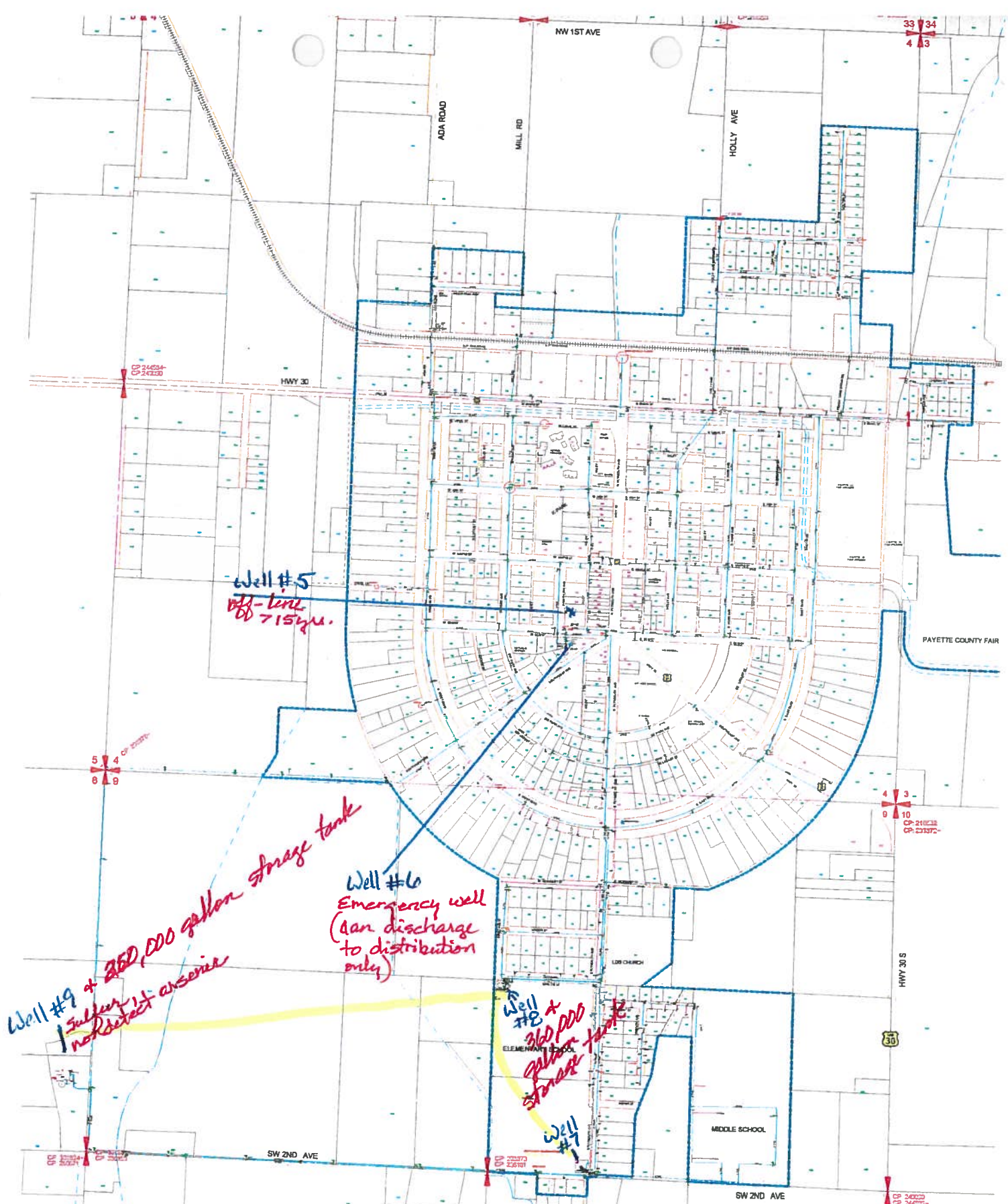
Boosters 5-7 go to blending tank located at well #8 site.

All are: Emerson 3 phase, 20 Hp
6" discharge
model # E685A

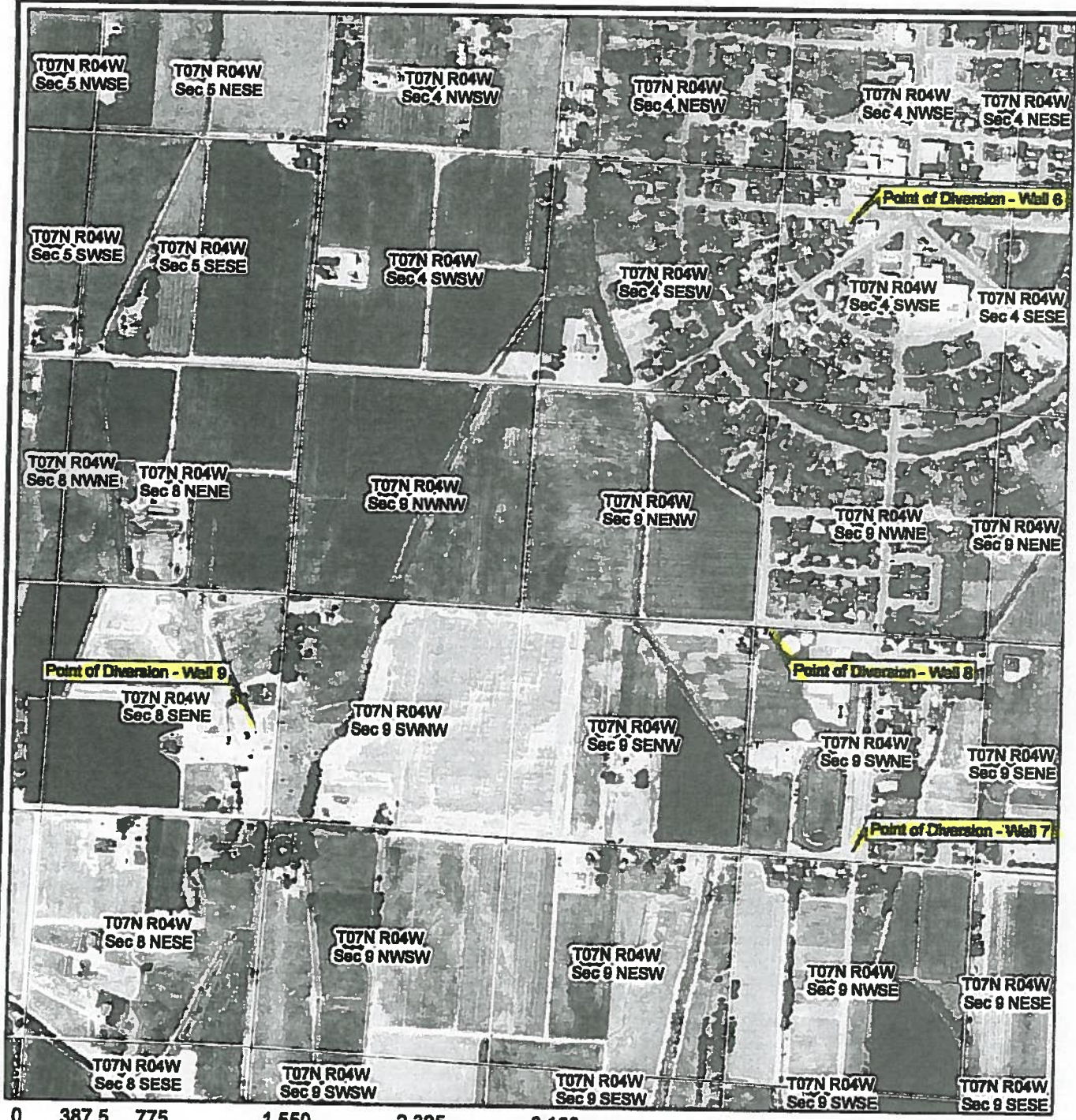
Top View

65-23263 New Plymouth

(rarely runs direct to distribution)
- this is a low arseria well
that runs 3:1 blend ratio

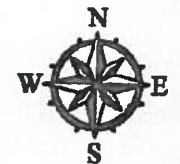


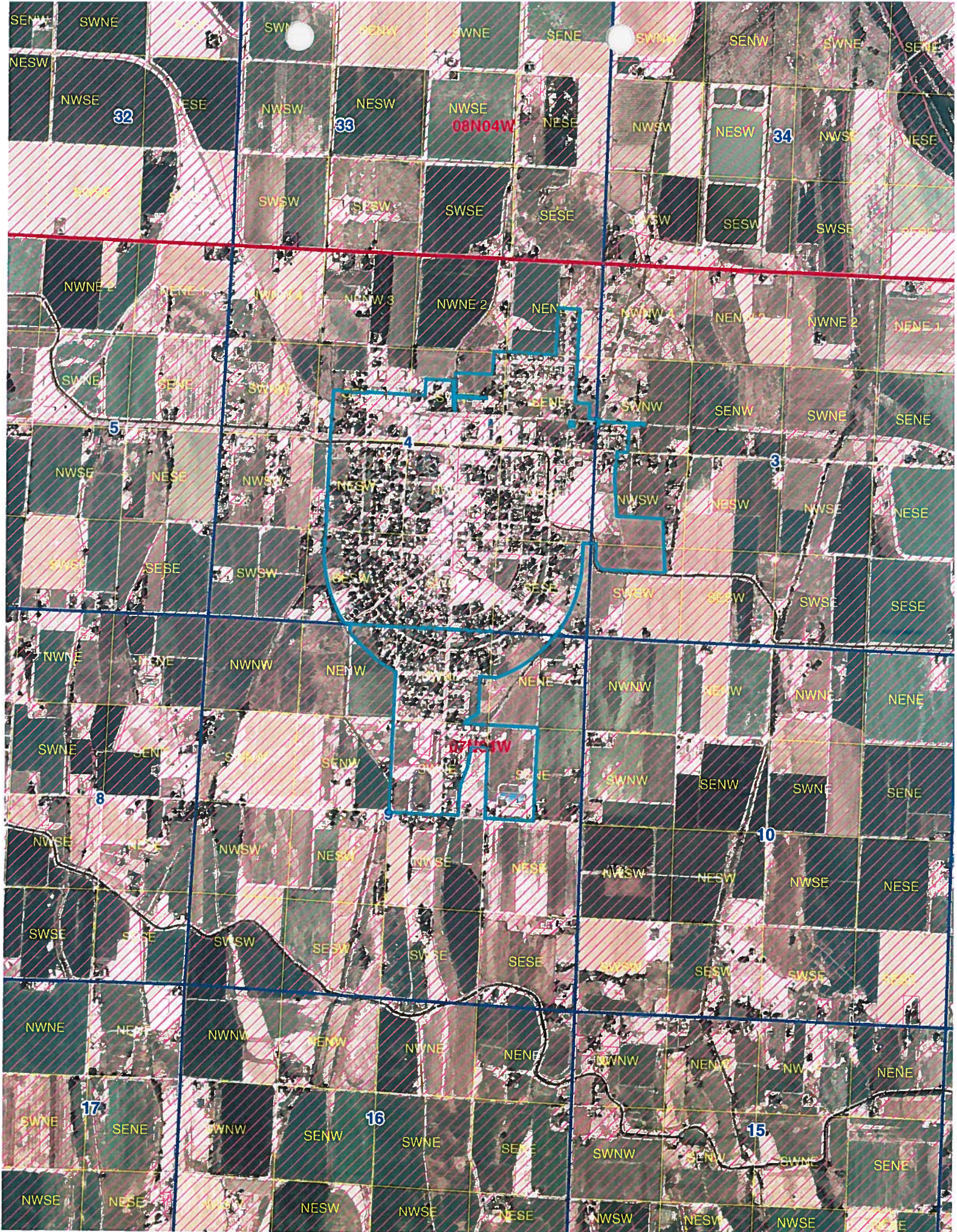
City of New Plymouth
153 Connections



Legend

-  ESPA
-  GCDB Township/Range
-  GCDB Section
-  GCDB Quarter-Quarter
-  Counties





65-23263 City of New Plymouth service area boundary S. Homerwa



Source: Esri, DigitalGlobe, GeoEye, iSat, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, and the GIS User Community

65-23263 City of New Plymouth

Well # 9

S. Hemenway



pump
control
house

POD

10"
casing

DOOS 34
extend
22" above
ground
level

05/16/2013

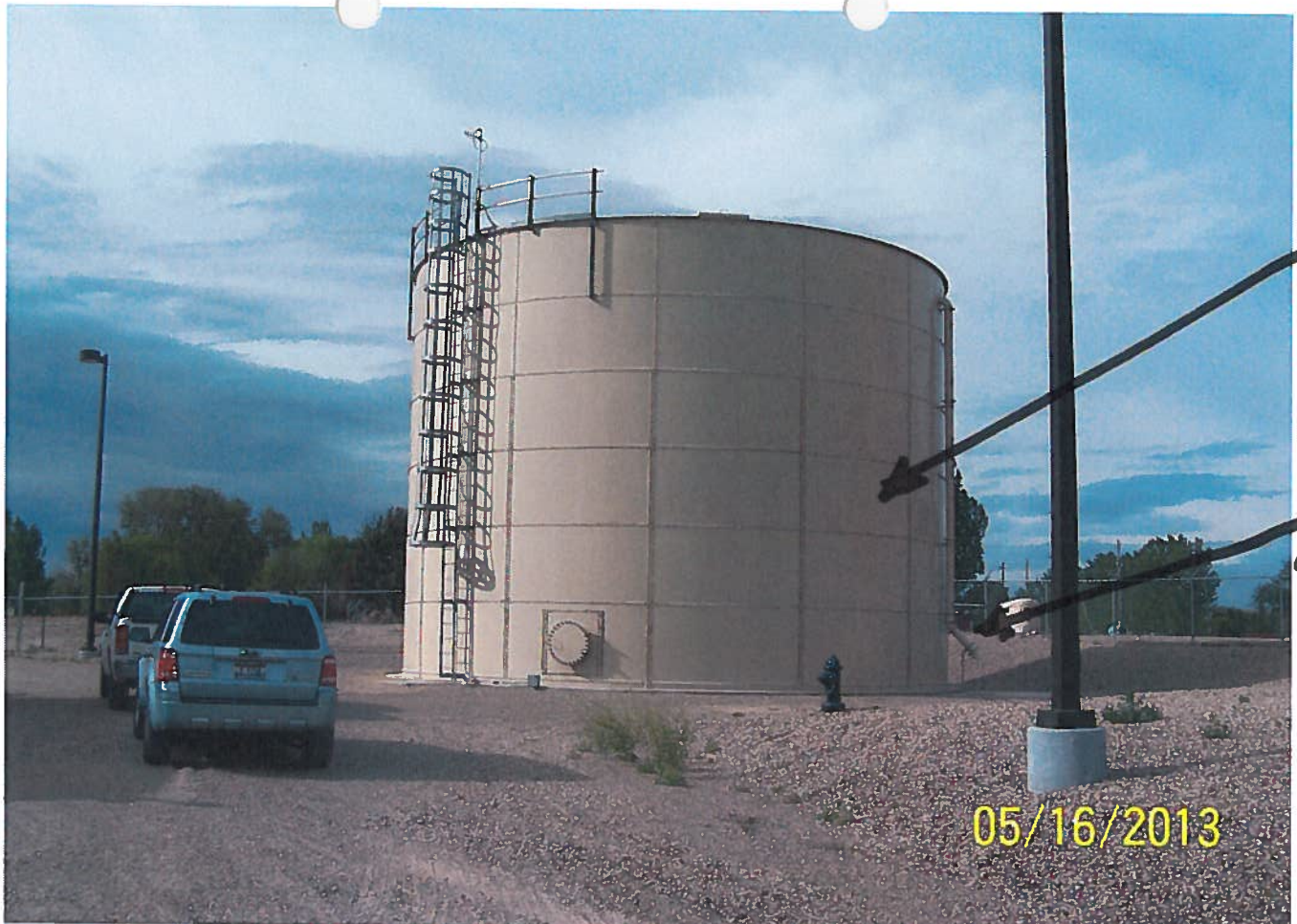


250,000
gallon
storage
tank

05/16/2013

65-23263 City of New Plymouth

S. Hemerway



250,000
gallon
storage
tank

6"
overflo

05/16/2013



6"
over-
flow

05/16/2013



overflow
pond +
drain
located
north of
250,000
gallon
storage
tank

05/16/2013



pump/
control
house

Auxillar
power
(back-
up
generate

05/16/2013

65-23263 City of New Plymouth

S. Hemerway

IDAHO DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORT

854458

1. WELL TAG NO. D 0053403

Drilling Permit No. 907054-854458

Water right or injection well # 65-23263

2. OWNER: CITY OF NEW PLYMOUTH

Name CITY OF NEW PLYMOUTH

Address PO BOX 158

City NEW PLYMOUTH State ID Zip 83655

3. WELL LOCATION:

Twp. 7 North ☒ or South ☐ Rge. 4 East ☐ or West ☒

Sec. 8 SE 1/4 SE 1/4 NE 1/4

Gov't Lot _____ County PAYETTE

Lat. _____ (Deg. and Decimal minutes)

Long. _____ (Deg. and Decimal minutes)

Address of Well Site 5827 ADAMS RD

City NEW PLYMOUTH

(Give at least name of road - Distance to Road or Landmark)

Lot. _____ Blk. _____ Sub. Name _____

4. USE:

☐ Domestic ☒ Municipal ☐ Monitor ☐ Irrigation ☐ Thermal ☐ Injection
☐ Other MUNICIPAL WELL #9

5. TYPE OF WORK:

☒ New well ☐ Replacement well ☐ Modify existing well
☐ Abandonment ☐ Other

6. DRILL METHOD:

☐ Air Rotary ☒ Mud Rotary ☐ Cable ☐ Other

7. SEALING PROCEDURES:

Seal material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method/procedure
BENTONITE GEL	110	110	950 GAL.	PRESSURE GROUTED
CEMENT	110	130	87 GAL.	PRESSURE GROUTED
	160	170	67 GAL.	PRESSURE GROUTED

8. CASING/LINER:

Diameter (nominal)	From (ft)	To (ft)	Gauge/Schedule	Material	Casing	Liner	Threaded	Welded
10"	+2	125	.365	CARBON STEEL	☒	☐	☐	☒
10"	155	176	.365	CARBON STEEL	☒	☐	☐	☒
10"	206	216	.365	CARBON STEEL	☒	☐	☐	☒

Was drive shoe used? ☐ Y ☒ N Shoe Depth(s) _____

9. PERFORATIONS/SCREENS:

Perforations ☐ Y ☒ N Method _____Manufactured screen ☒ Y ☐ N Type _____

Method of installation SET IN PLACE

From (ft)	To (ft)	Slot size	Number/ft	Diameter (nominal)	Material	Gauge or Schedule
125	155	.030	—	10 PS.	STAINLESS	N/A
176	206	.030	—	10 PS.	STAINLESS	N/A

Length of Headpipe N/A Length of Tailpipe 18 FT

Packer ☐ Y ☒ N Type _____

10. FILTER PACK:

Filter Material	From (ft)	To (ft)	Quantity (lbs or ft ³)	Placement method
8-12	120	160	34 FT ³	SLOW POUR
8-12	170	224	50 FT ³	SLOW POUR

11. FLOWING ARTESIAN:

Flowing Artesian? ☐ Y ☒ N Artesian Pressure (PSIG) _____

Describe control device N/A

12. STATIC WATER LEVEL and WELL TESTS:

Depth first water encountered (ft) N/A Static water level (ft) 5

Water temp. (°F) 60° Bottom hole temp. (°F) 60°

Describe access port BAKER LARGE PITLESS UNIT

Well test:

Drawdown (feet)	Discharge or yield (gpm)	Test duration (minutes)
40 FT	464	24

Test method:

Pump	Bailer	Air	Flowing artesian
☒	☐	☐	☐

Water quality test or comments: PH 8.5 IRON <.05 ARS 2 HARD. P.3

13. LITHOLOGIC LOG and/or repairs or abandonment:

Bore Dia. (in)	From (ft)	To (ft)	Remarks, lithology or description of repairs or abandonment, water temp.	Water
				Y N
20"	0	10	TOP SOIL	
20"	10	18	SANDY CLAY	
20"	18	28	BROWN CLAY	
20"	28	42	SAND + GRAVEL	
20"	42	47	BROWN CLAY	
16"	47	48	FINE SAND	
16"	48	50	BROWN CLAY	
16"	50	54	FINE SAND	
16"	54	65	BROWN CLAY	
16"	65	73	FINE SAND	
16"	73	80	BROWN CLAY	
16"	80	83	FINE SAND	
16"	83	90	BLUE CLAY	
16"	90	94	FINE SAND	
16"	94	111	SAND AND CLAY	
16"	111	116	FINE SAND	
16"	116	122	BLUE CLAY	
16"	122	137	FINE SAND	
16"	137	142	BLUE CLAY	
16"	142	153	COARSE SAND	
16"	153	177	BLUE CLAY w/ FINE SAND	
16"	177	183	COARSE SAND	
16"	183	197	SAND AND CLAY	
16"	197	201	FINE SAND	
16"	201	203	BLUE CLAY	
16"	203	206	COARSE SAND	
16"	206	208	BLUE CLAY	
16"	208	215	COARSE SAND	
16"	215	224	SAND AND CLAY	

RECEIVED

APR 16 2009

WATER RESOURCES
WESTERN REGION

Completed Depth (Measurable): 216 FT

Date Started: 1-20-09 Date Completed: 3-3-09

14. DRILLER'S CERTIFICATION:

I/We certify that all minimum well construction standards were complied with at the time the rig was removed.

Company Name ADAMSON PUMP & DRILL Co. No. 457

*Principal Driller Dave Adamson Date 4-8-09

*Driller Dave Adamson Date 4-8-09

*Operator Gary Moore Date 4-8-09

Operator Clark Young Date 4-8-09

* Signature of Principal Driller and rig operator are required.

well #9

65-23263 City of New Plymouth S. Hernandez

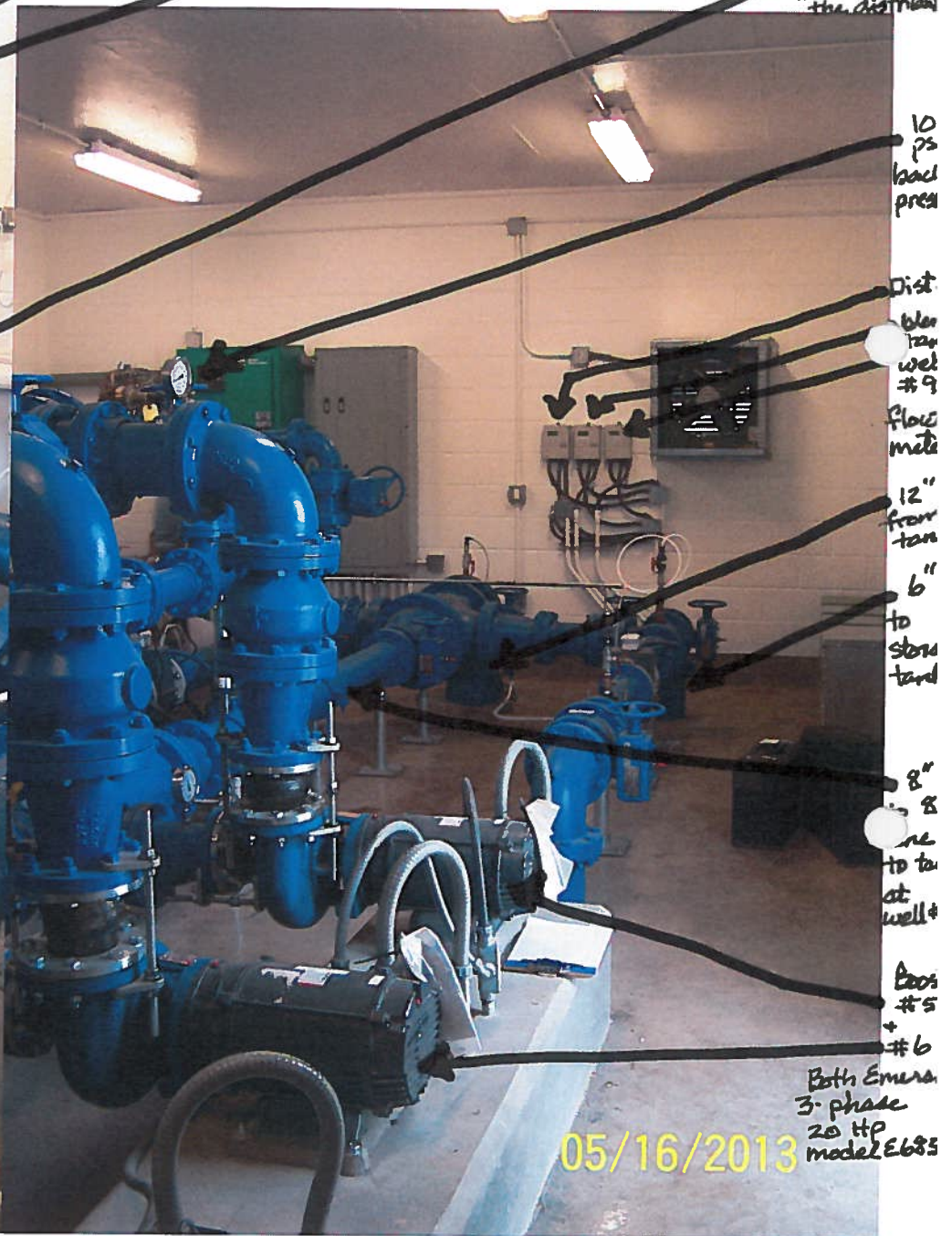


10
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8
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#8
Boo
#7

Emers
3 phase 201
model # E685



Looking south to northeast



Looking north to south



65-23263 City of New Plymouth

S. Hernerway



Boosters
to
Distribute
#1-4



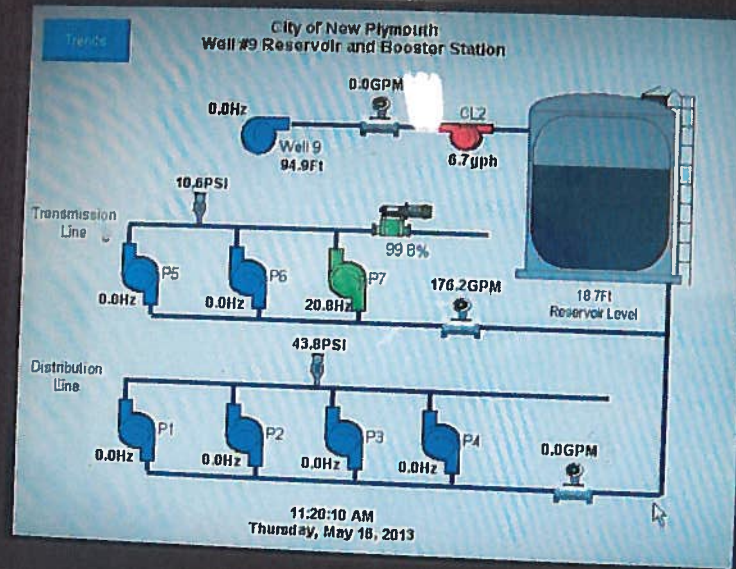
45
psi

65-23263 City of New Plymouth

S. Hemerway

Allen-Bradley

PanelView Plus 1000



Controls
for
well
#9
monitor
utilizing
a
SCADA
system

05/16/2013

65-23263 City of New Plymouth

S. Hemenway

		well 6	well 7	well 8	well 9	Sum (1K Gal/Month	Sum Gal/month	Sum Gal/Day	Sum GPM	Sum cfs	Flow PF (3.2)	
Jan	31	0	3.5	1,691.5	1,925.8	3,620.8	3,620,800.0	116,800.0	81.111111	0.181	0.579	
Feb	28	0	276.5	1,390.9	1,518.9	3,186.3	3,186,300.0	113,796.4	79.025298	0.176	0.564	
Mar	31	0	32.6	1,647.1	1,858.8	3,538.5	3,538,500.0	114,145.2	79.267473	0.177	0.566	
Apr	30	0	118.4	2,211.0	2,460.3	4,789.7	4,789,700.0	159,656.7	110.87269	0.247	0.791	
May	31	0	476.9	3,568.8	3,953.6	7,999.3	7,999,300.0	258,041.9	179.19579	0.400	1.279	
jun	30	0	694.1	4,023.1	4,991.7	9,708.9	9,708,900.0	323,630.0	224.74306	0.501	1.604	
Jul	31	0	3,142.6	6,422.1	2,747.7	12,312.4	12,312,400.0	397,174.2	275.81541	0.615	1.968	Peak Inst.
Aug	31	0	155.3	6,752.3	4,555.8	11,463.4	11,463,400.0	369,787.1	256.79659	0.573	1.833	B.U
Sep	30	0	0.0	3,615.5	3,949.6	7,565.1	7,565,100.0	252,170.0	175.11806	0.391	1.250	
Oct	31	Invalid	1,257.9	1,744.9	1,387.3	4,390.1	4,390,100.0	141,616.1	98.344534	0.219	0.702	
Nov	30	3	325.0	1,626.6	920.4	2,875.0	2,875,000.0	95,833.3	66.550926	0.148	0.475	
Dec	31	0	136.8	1,839.8	1,110.1	3,086.7	3,086,700.0	99,571.0	69.146505	0.154	0.493	
		3	6,619.6	36,533.6	31,380.0	74,536.2						

Well 8 June

1K Gal/month	Gal/month	Gal/day	GPM	Cfs	CFS (pk)
4,023.1	4,023,100.0	134,103.3	93.127315	0.208	1.038

Pk F: 297.6 measured at 8:20 AM
3.20

Produced by: Mat Weaver

Date: 6/5/2013

For: City of New Plymouth 65-13735, and 65-23263

Report for Permit to Appropriate Water No. 65-23263 + 65-13735 (well #8)
City of New Plymouth (well #9)

As required by Condition of Approval, Item 9, in the City's Permit to Appropriate Water No. 65-23623, this document is a report that will be submitted with the proof of beneficial use (Statement of Completion for Submitting Proof of Beneficial Use, Form No. 217 11/09).

This permit is associated with the City's municipal Well 9 (MW9), which was drilled, completed, and tested during the spring of 2009. The City began using Well 9 for regular production in April 2010, following completion of the City's water system improvement project and final project approval by Idaho DEQ.

Well 9 (Permit No. 65-23623)

2010 Total Annual Volume = 24,632,200 gallons (partial year, April – December)

2011 Total Annual Volume = 32,916,100 gallons

2012 Total Annual Volume = 31,379,900 gallons

Maximum Daily Volume = 354,000 gallons (August 15, 2012)

Maximum Instantaneous Rate of Flow = 449 gpm (1.00 cfs) (pump capable of >1.00 cfs, but controlled by VFD through computerized control system to not exceed 1.00 cfs)

Entire City of New Plymouth Municipal Water System

Maximum Instantaneous Rate of Diversion for Entire City of New Plymouth Municipal Water System = 1,548 gpm (3.45 cfs)*

*(150 gpm from Well 6, 449 gpm from Well 7, 500 gpm from Well 8, and 449 gpm from Well 9)

Water diverted under Permit No. 65-23623 provides an additional increment of beneficial use of water for the City of New Plymouth municipal water system by providing a source of water with low arsenic concentrations for blending with the higher arsenic concentration water from the City's other wells. This blending is performed in dedicated transmission pipelines and the City's storage tanks to meet the arsenic maximum contaminant level (MCL) required by the Safe Drinking Water Act. The arsenic blending program is designed and operated in accordance with EPA and DEQ guidelines and requirements. Well 9, through Permit No. 65-23623, must be operated when any of the City's other wells are supplying water in order to meet the blending ratio requirements and to keep the arsenic concentrations in the water delivered to the distribution system below 10 micrograms per liter ($\mu\text{g/L}$). In addition, Permit No. 65-23623 provides the City with additional water to supply a portion of the City's peak needed fire flow value of 4,000 gpm (8.9 cfs). During an extended fire flow event, all City wells would likely be turned on to meet system demands.

Hemenway, Sandy

From: Andy Gehrke [andy@holladayengineering.com]
Sent: Thursday, May 02, 2013 2:02 PM
To: Hemenway, Sandy
Cc: Grimm, Angie; Beau Ziemer
Subject: RE: City of New Plymouth 65-13735 (well 8) & 65-23263 (well 9)
Attachments: NP_Water_1202.dwf; New Plymouth City Limits with Well Locations.dwg

Sandy,

Please see my responses below in red. If you need additional information, just let me know.

Thanks,
Andy

From: Hemenway, Sandy [mailto:Sandy.Hemenway@idwr.idaho.gov]
Sent: Thursday, April 25, 2013 6:53 AM
To: Andy Gehrke
Cc: Hemenway, Sandy; Grimm, Angie; Beau Ziemer
Subject: City of New Plymouth 65-13735 (well 8) & 65-23263 (well 9)
Importance: High

Hi Andy, Angie, and Beau,

Andy, while talking to Beau Ziemer yesterday, he stated that you were representing New Plymouth in the preparation of the transfer application, and that you might have the answers.

I am currently conducting the licensing review on water right permit 65-13735 (well #8). Angie Grimm at the Western Regional office will be conducting the review for the transfer for New Plymouth, but this will be on hold until the completion of water right 65-13735 and 65-23263 are licensed. The department has asked me to do a more detailed narrative on all municipalities, to include all wells, distribution, storage, capacity, and demand, which will be quite easy since I am familiar with this system. Andy, I do have the following questions though:

- (1) Do you have a current shapefile for the service boundary which also indicates the locations of wells 6, 7, 8, and 9? **Attached are dwf and dwg files containing the city limits boundary, which is the service boundary. I am not sure if these formats will be useful for you for the shapefile.**
- (2) Can you give me the status of the following wells:
 - (a) I have paperwork for abandonment of wells 1 & 2 (water right 65-26 was for well #1; water right 65-7093 was for well #2) **These have been abandoned.**
 - (b) 3 (Beau stated that a building was built over the top of it, so was it abandoned or what?) **We don't know and could not find records on it. We found a Water System Analysis Report dated June 1974 by Blakley Engineers, Inc. that makes no mention of Wells 3 or 4. In 1974, only Wells 1, 2, 5, and 6 were operational. My guess is that Wells 3 and 4 had not been in use for quite some time at that point, or they would have been mentioned in the report.**

(c) 5 (Beau stated that this well was disconnected in 1997, so is it going to be abandoned or what; this is for water right 65-25) Well 5 still has a pump and motor and could be operated. It is not connected to the drinking water system. The City has decided over the years to retain this well to provide irrigation water to the City's Kiwanis Park in the future. Piping from the well to the park has not yet been constructed due to budget limitations.

(d) 4 (Beau had no idea of its location, or what happened to it, do you? This well was for water right 65-27) We don't know and could not find records on it. We found a Water System Analysis Report dated June 1974 by Blakley Engineers, Inc. that makes no mention of Wells 3 or 4. In 1974, only Wells 1, 2, 5, and 6 were operational. My guess is that Wells 3 and 4 had not been in use for quite some time at that point, or they would have been mentioned in the report. Beau thinks that Wells 3 and 4 may have been in the same general location, which was the site of the old City shop. That site is located on the west side of Holly Ave. between Maple St. and Elm St. The site is no longer owned by the City. I wonder if Well 4 was ever completed and used?

(e) Will a form be submitted to the department to abandon wells 3, 4, and 5? If so, please cc: me on the forms for the file. See b, c, and d above. There is no way for the City to access Well 3 if it has not already been abandoned. The City does not want to abandon Well 5 since it is still planned for future irrigation use at a City park.

(3) 6 (Beau stated that this was an emergency well that directly discharged to the distribution system; that it was throttled down to 150 gpm, and that this well was run or exercised 2-3 days per year, although records for 2011 indicated no discharge, 2012 showed it was exercised; this well was never covered under any water right, so I do see that it will now be included in the copy of the transfer application that Beau sent). Past records showed that this well produced 300 gpm, so here is my question: is this well going to continue to be throttled down to 150 gpm and used for emergency purposes only? Yes, that is the plan under the City's current water system operation scheme.

(4) In the copy of the transfer application that Beau emailed, there was also a copy of the Proof of Beneficial Use form signed and dated 4/24/2013 (yesterday). Checking our records, I do not show that the department has received the proof or required fee yet. We think IDWR has received this by now.

(a) So, when was the form and fee mailed or delivered?

(b) Angie: Do you want me to go ahead and conduct the field exam on well #9 when the proof is received? That way I can license them both at the same time. As soon as the proof form and fees are received by the department, I could conduct the field exam within a couple of days if it's convenient with Beau.

<<spread sheet of all water rights for New Plymouth.xls>>

Thanks so much,

Sandy Hemenway

Sr. Water Resource Agent
IDWR/State Office
PO Box 83720 or 322 E. Front St.
Boise, ID 83720-0098

OFFICE: (208) 287-4920

CELL: (208) 761-0280

FAX: (208) 287-6700

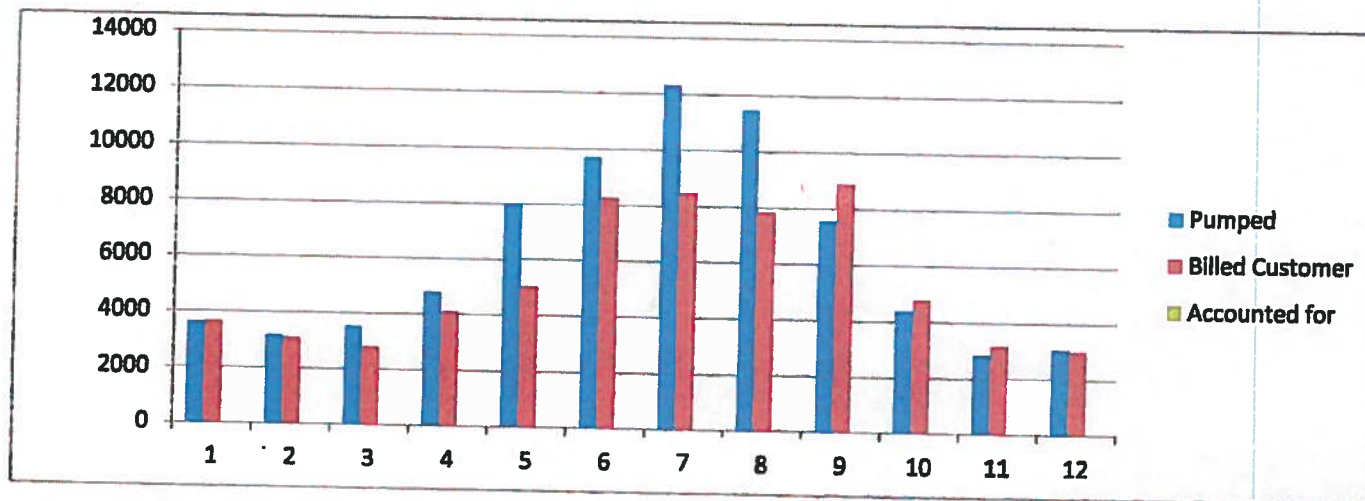
Email: sandy.hemenway@idwr.idaho.gov

City of New Plymouth

Yearly Water Audit Records 1000's Gallons

2012

Month	Year	Well #6	Well #7	Well #8	Well #9	Pumped	Billed Customer	Billed Other	Percent Loss
January	2012	0	3.5	1691.5	1925.84	3620.84	3653.774	0.03	-0.91%
Feburary	2012	0	276.5	1390.9	1518.89	3186.29	3090.742	0	3.00%
March	2012	0	32.6	1647.1	1858.8	3538.5	2809.673	0.716	20.58%
April	2012	0	118.4	2211	2460.34	4789.74	4102.12	8.516	14.18%
May	2012	0	476.9	3568.8	3953.56	7999.26	5045.809	3.246	36.88%
June	2012	0	694.1	4023.1	4991.7	9708.9	8279.93	15.312	14.56%
July	2012	0	3142.6	6422.1	2747.68	12312.38	8472.339	15.055	31.07%
August	2012	0	155.3	6752.3	4555.81	11463.41	7852.012	50.529	31.06%
September	2012	0	0	3615.5	3949.6	7565.1	8891.072	9.691	-17.66%
October	2012	Invalid	1257.9	1744.9	1387.25	4390.05	4789.623	2.7	-9.16%
November	2012	3	325	1626.6	920.35	2874.95	3179.46	6.8	-10.83%
December	2012	0	136.8	1839.8	1110.09	3086.69	3003.557	6.7	2.48%
Total		3	6619.6	36533.6	31379.91	74536.11	63170.111	119.295	15.09%



*12AM 1st day of month - 12PM last day of month = 1 month

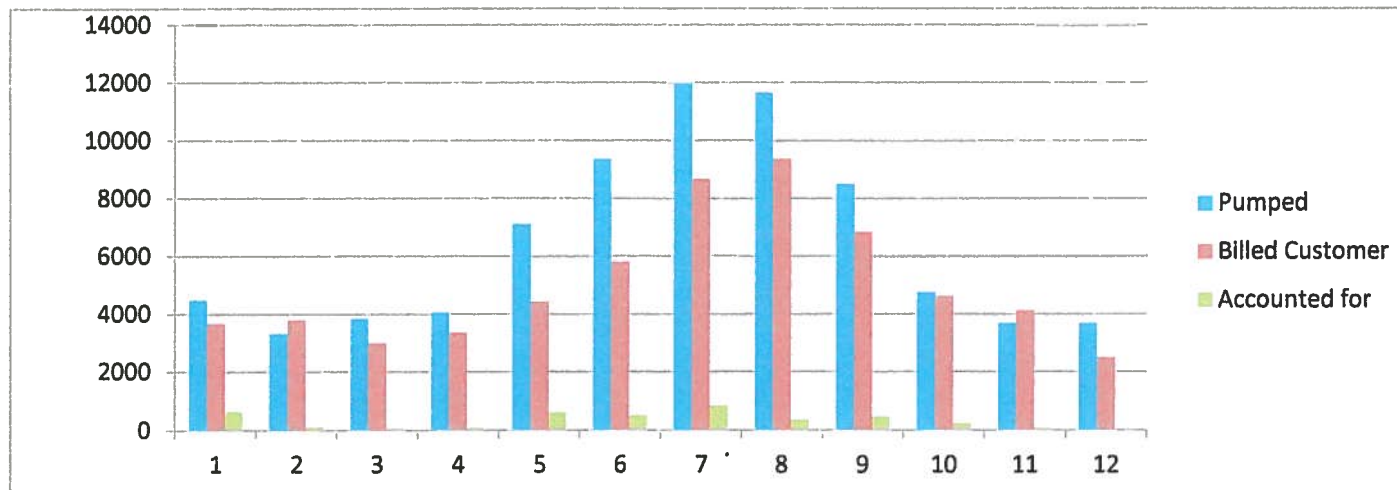
* If sold more than pumped it is due to meter read dates

City of New Plymouth

Yearly Water Audit Records 1000's Gallons

2011

Month	Year	Well #6	Well #7	Well #8	Well #9	Pumped	Billed Customer	Billed Other	Percent Loss
January	2011	0	133.1	2125.7	2232.66	4491.46	3675.011	647	3.77%
Feburary	2011	0	390.8	1408.7	1533.88	3333.38	3799.684	121	-17.62%
March	2011	0	534	1638.2	1670.99	3843.19	2988.368	68	20.47%
April	2011	0	238.8	1883.9	1942.96	4065.66	3347.556	95.28	15.32%
May	2011	0	49.2	3453	3617.77	7119.97	4429.358	623.481	29.03%
June	2011	0	1038.8	4164.3	4175.29	9378.39	5812.445	513.521	32.55%
July	2011	0	2857.9	4559.1	4575.33	11992.33	8675.948	838.462	20.66%
August	2011	0	3046.3	4262.6	4371.04	11679.94	9375.611	357.152	16.67%
September	2011	0	900.7	3774.8	3816.32	8491.82	6844.398	470.152	13.86%
October	2011	0	2184.3	1260.3	1309.99	4754.59	4618.629	238	-2.15%
November	2011	0	9.6	1822.2	1857.38	3689.18	4115.112	76	-13.61%
December	2011	0	77.8	1791.3	1812.5	3681.6	2482.557	52	31.16%
Total		0	11461.3	32144.1	32916.11	76521.51	60164.677	4100.048	16.02%



*12AM 1st day of month - 12PM last day of month = 1 month

* If sold more than pumped it is due to meter read dates

City of New Plymouth

Well Report

December-12

Daily / Monthly

Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	1.199	0	6.1	3.403	0	62.6	0	0	0
2	0	0	0	0	0	0	3.804	1	71.4	8.208	1	154.86
3	0	0	0	15.297	1	106.3	0	0	0	0	0	0
4	0	0	0	3.899	1	24.4	3.803	1	69.8	0	0	0
5	0	0	0	0	0	0	3.904	1	73.4	3.303	1	51.02
6	0	0	0	0	0	0	2.803	1	51.6	0	0	0
7	0	0	0	0	0	0	1.101	0	19.9	0	0	0
8	0	0	0	0	0	0	3.704	1	69.5	0	0	0
9	0	0	0	0	0	0	4.404	1	81.6	8.208	1	155.51
10	0	0	0	0	0	0	4.104	1	76.1	0	0	0
11	0	0	0	0	0	0	3.904	1	72	0	0	0
12	0	0	0	0	0	0	0.1	0	1.4	0	0	0
13	0	0	0	0	0	0	3.603	1	66.8	0	0	0
14	0	0	0	0	0	0	4.104	1	77.6	8.709	1	163.61
15	0	0	0	0	0	0	4.204	1	76.7	0	0	0
16	0	0	0	0	0	0	4.004	1	76	0	0	0
17	0	0	0	0	0	0	0.901	1	16.3	0	0	0
18	0	0	0	0	0	0	2.803	0	51.7	0	0	0
19	0	0	0	0	0	0	4.204	1	78.3	8.908	1	166.56
20	0	0	0	0	0	0	4.304	1	78.7	0	0	0
21	0	0	0	0	0	0	4.104	1	75.8	0	0	0
22	0	0	0	0	0	0	3.504	1	64.8	0	0	0
23	0	0	0	0	0	0	0.5	0	9.7	6.907	1	128.89
24	0	0	0	0	0	0	3.604	1	67	0	0	0
25	0	0	0	0	0	0	3.703	1	69.4	0	0	0
26	0	0	0	0	0	0	4.204	1	77.5	0	0	0
27	0	0	0	0	0	0	3.904	1	72.6	8.508	1	159.74
28	0	0	0	0	0	0	4.304	1	80	0	0	0
29	0	0	0	0	0	0	4.204	1	77.1	0	0	0
30	0	0	0	0	0	0	4.004	1	74.5	0.301	1	7.37
31	0	0	0	0	0	0	0	0	0	6.606	0	122.53
Month	0	0	0	20.395	2	136.8	99.196	24	1839.8	59.658	8	1110.09

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

pumped to the 30,000 gallon storage tank, then discharged to the distribution system.

Emergency well discharges directly to distribution; it is exercised 2-3 days/yr. per Beau Ziemer

City of New Plymouth												
Well Report												
November-12						Daily / Monthly						
Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	0	0	0	0.6	0	10	0	0	0
2	0	0	0	0	0	0	3.604	1	67.1	0	0	0
3	0	0	0	0	0	0	3.804	1	70.7	13.413	1	153.46
4	0	0	0	0	0	0	4.304	1	80.8	0	0	0
5	0	0	0	0	0	0	4.104	1	74.7	8.608	1	92.09
6	0	0	0	0	0	0	4.004	1	74.3	0	0	0
7	0	0	0	0	0	0	4.104	1	76.5	4.905	1	57.3
8	0	0	0	0	0	0	3.904	1	73.4	3.403	0	31.7
9	0	0	0	0	0	0	0.4	1	6.3	0	0	0
10	0	0	0	0	0	0	3.203	0	59.8	7.808	1	81.61
11	0	0	0	0	0	0	5.505	1	102.7	0	0	0
12	0	0	0	0	0	0	2.503	1	46.4	1.902	1	26.32
13	0.9	0	3	0.5	1	0	3.003	1	50.6	9.709	2	96.11
14	0	0	0	1.4	1	19.9	3.904	1	73	0	0	0
15	0	0	0	2.899	1	18.3	3.703	1	68.3	0	0	0
16	0.1	0	0	1.4	1	7.4	3.103	1	57.7	4.004	3	75.75
17	0	0	0	0	0	0	0.501	0	8.6	0	0	0
18	0	0	0	1.299	1	6.8	3.403	1	63.1	0	0	0
19	0	0	0	0	0	0	3.604	1	67.6	0	0	0
20	0	0	0	1.3	1	7.4	3.803	1	70.5	7.908	1	149.09
21	0	0	0	0	0	0	4.104	1	76.3	0	0	0
22	0	0	0	0	0	0	4.004	1	73.8	0	0	0
23	0	0	0	1.3	1	6.9	1.902	1	35.7	0	0	0
24	0	0	0	0	0	0	1.602	0	29.7	0	0	0
25	0	0	0	0	0	0	3.603	1	66.6	8.308	1	156.92
26	0	0	0	17.196	1	119.2	0	0	0	0	0	0
27	0	0	0	13.296	1	93	0	0	0	0	0	0
28	0	0	0	5.999	1	39	3.804	1	70	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	1.199	1	6.2	3.403	1	62.9	0	0	0
Month	1	0	3	47.788	11	324.1	87.485	23	1617.1	69.968	12	920.35

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth												
Well Report												
October-12						Daily / Monthly						
Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	0	0	0	4.504	1	69.2	0	0	0
2	0	0	0	0	0	0	9.509	2	145.8	5.706	1	157.74
3	0	0	0	0	0	0	0.601	1	9.3	5.505	3	153.1
4	0	0	0	0	0	0	8.408	1	133.5	5.606	1	155.96
5	0	0	0	0	0	0	4.504	1	69.2	0	0	0
6	0	0	0	0	0	0	4.605	1	72	5.505	1	153.21
7	0	0	0	0	0	0	4.404	1	71.7	0	0	0
8	0.7	0	2E+06	0	0	0	4.605	3	72.5	5.505	4	152.92
9	0.5	0	2	0.6	2	0	4.604	1	71.8	2.903	3	79.12
10	0	0	0	10.697	2	77.9	4.505	1	70.1	0	0	0
11	0	0	0	0	0	0	4.204	1	91.2	4.705	1	130.5
12	0	0	0	19.595	1	151.4	0	0	0	0	0	0
13	0	0	0	23.995	0	181.9	0	0	0	0	0	0
14	0	0	0	2.599	1	17.1	4.104	1	93.4	0	0	0
15	0	0	0	0.5	2	4.1	4.104	1	95	3.303	1	93.82
16	0	0	0	1.4	1	8.7	3.803	1	87.8	0	0	0
17	0	0	0	9.697	1	74.5	0	0	0	0.4	4	1.97
18	0	0	0	16.196	1	119.8	0	0	0	0	0	0
19	0	0	0	15.596	1	116.8	0	0	0	0	0	0
20	0	0	0	14.697	1	110.5	0	0	0	0	0	0
21	0	0	0	14.996	1	113.1	0	0	0	0	0	0
22	0	0	0	16.496	1	117.2	0	0	0	0	2	0.57
23	0	0	0	4.899	0	33.2	3.404	1	77.8	7.308	2	73.69
24	0	0	0	1.5	1	9.2	3.903	1	90.4	0	0	0
25	0	0	0	12.197	1	85.1	0	0	0	0	0	0
26	0	0	0	5.398	1	37.4	4.205	1	96.3	0	0	0
27	0	0	0	0	0	0	4.003	1	74.2	2.702	1	36.61
28	0	0	0	0	0	0	1.402	1	26.6	9.009	0	97.1
29	0	0	0	0	0	0	2.202	0	41.7	0	0	0
30	0	0	0	0	0	0	3.604	1	67	3.604	1	100.94
31	0	0	0	0	0	0	6.406	2	118.4	0	0	0
Month	1.2	0	2E+06	171.058	18	1257.9	95.593	25	1744.9	61.761	25	1387.25

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

Runtime but No Starts?

City of New Plymouth												
Well Report												
September-12						Daily / Monthly						
Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	0	0	0	9.91	1	157.2	6.206	1	172.82
2	0	0	0	0	0	0	7.707	2	118	0.6	1	16.4
3	0	0	0	0	0	0	8.008	1	125	5.506	0	155.18
4	0	0	0	0	0	0	11.611	2	183.6	6.706	1	185.29
5	0	0	0	0	0	0	9.51	2	145.5	7.307	1	203.31
6	0	0	0	0	0	0	8.908	2	137	3.504	1	96.95
7	0	0	0	0	0	0	9.81	1	154.8	6.907	1	193.67
8	0	0	0	0	0	0	10.11	2	158.4	7.006	1	195.35
9	0	0	0	0	0	0	5.205	1	81.7	5.706	1	158.45
10	0	0	0	0	0	0	11.411	2	177	5.005	1	137.83
11	0	0	0	0	0	0	9.009	2	140.7	4.004	1	111.04
12	0	0	0	0	0	0	8.408	2	132.3	4.704	0	132.31
13	0	0	0	0	0	0	9.91	1	153.5	6.907	1	190.59
14	0	0	0	0	0	0	8.508	2	133.4	6.707	1	188.29
15	0	0	0	0	0	0	6.406	1	100.2	5.505	1	153.08
16	0	0	0	0	0	0	4.605	1	71.5	0	0	0
17	0	0	0	0	0	0	9.909	4	153.2	5.906	3	164.7
18	0	0	0	0	0	0	8.609	2	131	6.907	1	191.63
19	0	0	0	0	0	0	8.108	1	128.3	6.306	1	173.94
20	0	0	0	0	0	0	11.911	2	185.3	6.206	1	173.09
21	0	0	0	0	0	0	4.705	1	71.6	1.001	0	29.44
22	0	0	0	0	0	0	8.408	2	131.6	5.505	1	153.3
23	0	0	0	0	0	0	4.204	1	63.6	2.402	1	66.08
24	0	0	0	0	0	0	4.605	1	72.1	2.703	0	75.52
25	0	0	0	0	0	0	4.404	1	67.6	5.505	1	152.89
26	0	0	0	0	0	0	3.303	2	51.6	0.201	166	3.61
27	0	0	0	0	0	0	10.41	1	164.1	5.605	2	156.33
28	0	0	0	0	0	0	4.405	1	69.3	5.305	1	146.67
29	0	0	0	0	0	0	5.005	1	77.5	0	0	0
30	0	0	0	0	0	0	5.105	1	78.9	6.106	1	171.84
31	0	0	0	0	0	0	0	0	0	0	0	0
Month	0	0	0	0	0	0	232.127	46	3615.5	141.938	192	3949.6

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth												
Well Report												
August-12 Daily / Monthly												
Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	1.299	1	20.1	18.418	1	419.7	5.105	1	71.79
2	0	0	0	0	0	0	18.118	1	410	0	0	0
3	0	0	0	1.9	1	26.6	18.017	1	404.4	0	0	0
4	0	0	0	1.299	2	19.8	15.716	1	354	0	0	0
5	0	0	0	0	0	0	16.215	1	367.2	0	0	0
6	0	0	0	1.6	1	23.1	17.818	1	401.7	0.2	3	1.78
7	0	0	0	1.5	1	22.4	16.716	1	381.3	0	2	0.36
8	0	0	0	2.899	1	43.3	8.308	4	139	7.908	2	219.47
9	0	0	0	0	0	0	10.611	3	165.8	5.405	1	151.13
10	0	0	0	0	0	0	12.812	4	199.1	8.108	1	224.25
11	0	0	0	0	0	0	10.71	4	162.9	7.608	1	213.52
12	0	0	0	0	0	0	10.811	2	167.9	7.007	1	194.91
13	0	0	0	0	0	0	11.711	5	181.4	4.704	1	129.77
14	0	0	0	0	0	0	11.412	3	176.5	5.406	1	151.3
15	0	0	0	0	0	0	14.514	5	230.1	12.712	1	353.77
16	0	0	0	0	0	0	11.411	12	183.5	4.805	1	130.85
17	0	0	0	0	0	0	9.609	9	150.6	7.507	1	208.58
18	0	0	0	0	0	0	9.109	3	142.7	6.606	1	184.27
19	0	0	0	0	0	0	11.111	4	170.1	6.307	1	175.17
20	0	0	0	0	0	0	11.211	3	173.7	4.604	1	128.97
21	0	0	0	0	0	0	11.311	2	176	6.306	1	174.36
22	0	0	0	0	0	0	11.211	2	174	6.707	1	186.23
23	0	0	0	0	0	0	11.511	2	177	6.506	1	179.99
24	0	0	0	0	0	0	8.909	1	137.4	6.306	0	176.74
25	0	0	0	0	0	0	11.011	2	172.2	6.306	1	174.18
26	0	0	0	0	0	0	10.31	2	161.2	7.508	1	208.09
27	0	0	0	0	0	0	9.909	2	156.3	7.107	1	198.8
28	0	0	0	0	0	0	9.81	2	147.8	7.006	1	195.41
29	0	0	0	0	0	0	9.709	1	151.8	6.507	1	180.62
30	0	0	0	0	0	0	13.514	2	212.3	4.204	1	117.75
31	0	0	0	0	0	0	6.706	2	104.7	8.108	1	223.75
Month	0	0	0	10.497	7	155.3	378.269	88	6752.3	166.563	30	4555.81

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth

Well Report

July-12

Daily / Monthly

Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	0.7	1	11.1	6.807	2	127.8	5.205	1	144.93
2	0	0	0	1.399	2	22.8	8.008	6	149.8	8.508	3	236.12
3	0	0	0	1.7	2	24.8	9.609	3	190	5.305	1	147.27
4	0	0	0	0.8	1	13.8	7.808	6	148.6	5.506	1	154.71
5	0	0	0	1.599	2	25.3	11.811	2	231.2	10.11	2	279.23
6	0	0	0	1.5	2	22.9	9.009	5	172.9	8.608	1	239.82
7	0	0	0	1.599	2	24.4	9.509	6	182.6	5.405	1	150.77
8	0	0	0	1.6	2	25.5	7.508	3	144	5.506	1	151.86
9	0	0	0	4.699	2	79	7.107	3	135.3	8.808	3	243.32
10	0	0	0	10.297	1	176	7.807	3	148.7	3.604	1	100.68
11	0	0	0	5.299	2	93.5	8.509	6	161.4	7.107	1	195.98
12	0	0	0	2.999	2	50.8	8.608	15	159.3	8.708	1	242.74
13	0	0	0	20.895	1	376.7	2.102	7	37.6	0	0	0
14	0	0	0	1.8	2	28	8.008	17	146.9	5.505	1	151.6
15	0	0	0	1.499	2	23.5	6.907	9	127.1	4.905	1	137.9
16	0	0	0	8.198	2	139.8	3.503	3	64	6.206	2	170.68
17	0	0	0	23.995	0	429.3	0	0	0	0	0	0
18	0	0	0	21.094	1	373.3	0	0	0	0	0	0
19	0	0	0	23.995	0	441	0	0	0	0	0	0
20	0	0	0	9.697	0	171.8	15.515	2	359.2	0	0	0
21	0	0	0	2.5	2	37.9	11.612	1	269	0	0	0
22	0	0	0	11.997	0	186	9.909	1	229.5	0	0	0
23	0	0	0	1.499	2	21.8	18.518	1	428.3	0	0	0
24	0	0	0	1.7	1	24.9	17.718	1	405.9	0	0	0
25	0	0	0	0.9	1	13.5	12.211	2	276.7	0	0	0
26	0	0	0	1.999	1	28.9	17.317	1	396.8	0	0	0
27	0	0	0	1.4	2	19.9	17.017	1	391	0	0	0
28	0	0	0	12.797	1	189.5	6.807	0	157.6	0	0	0
29	0	0	0	1.199	1	17.5	14.914	2	342.7	0	0	0
30	0	0	0	1.7	1	25.5	18.618	4	424.2	0	0	0
31	0	0	0	1.6	1	23.9	18.118	1	414	0	1	0.07
Month	0	0	0	184.655	42	3142.6	300.894	113	6422.1	98.996	22	2747.68

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth												
Well Report												
June-12						Daily / Monthly						
Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	0.6998	1	10.4	6.606	4	129.2	6.206	1	173.03
2	0	0	0	0	0	0	6.807	4	136.5	5.406	1	148.36
3	0	0	0	0.5999	1	9.5	6.506	2	130.3	5.105	1	142.52
4	0	0	0	4.7988	1	83.6	6.907	4	138	4.704	4	132.47
5	0	0	0	0	0	0	6.707	5	132	5.906	1	163.27
6	0	0	0	0	0	0	6.706	2	133	4.404	1	122.37
7	0	0	0	0	0	0	6.606	2	132.3	6.006	1	166.65
8	0	0	0	0	0	0	6.407	2	129.7	4.204	1	116.37
9	0	0	0	0	0	0	2.903	1	57.2	0.901	0	24.73
10	0	0	0	0	0	0	6.606	2	129.4	4.505	1	124.94
11	0	0	0	0.7998	1	11.1	8.308	3	165.8	8.308	3	233.12
12	0	0	0	1.4998	2	23.5	8.408	2	168	5.205	1	142.94
13	0	0	0	0.7	1	10.3	7.107	2	141.9	5.105	1	142.23
14	0	0	0	1.399	2	23.4	6.607	7	127.5	5.305	1	148.23
15	0	0	0	0.8	1	11	6.706	9	129.6	5.105	1	141.82
16	0	0	0	0.7	1	11.4	7.808	11	149.9	5.305	1	147.92
17	0	0	0	0.6	1	10.5	6.606	8	129.3	5.505	1	152.53
18	0	0	0	2.099	3	32.7	7.107	7	134.7	7.508	3	210.2
19	0	0	0	0	0	0	1.802	0	36.7	13.713	1	381.52
20	0	0	0	3.599	2	56.8	3.704	3	69.1	8.108	0	197.89
21	0	0	0	11.698	2	204.3	6.906	4	130	5.706	1	157.19
22	0	0	0	3.999	1	69	3.904	5	74.8	5.805	1	160.84
23	0	0	0	1.499	2	23.9	10.31	17	192.3	5.506	1	152.22
24	0	0	0	0.7	1	11.8	6.707	9	126.7	5.005	1	140.97
25	0	0	0	0.9	1	13.2	8.108	3	158.5	5.104	1	141.97
26	0	0	0	0.8	1	12.4	7.507	6	146.3	8.809	2	238.52
27	0	0	0	0.999	1	15.1	10.71	4	204.4	8.108	2	225.63
28	0	0	0	0.7	1	12.3	7.408	4	141.8	8.809	1	243.93
29	0	0	0	1.7	2	25.7	11.211	8	213.8	5.805	1	163.62
30	0	0	0	0.8	1	12.2	7.006	2	134.4	5.606	1	153.7
31	0	0	0	0	0	0	0	0	0	0	0	0
Month	0	0	0	42.0901	30	694.1	206.701	142	4023.1	180.777	37	4991.7

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth

Well Report

May-12

Daily / Monthly

Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	0	0	0	5.805	2	116	4.505	1	124.56
2	0	0	0	0	0	0	3.003	1	60.3	4.604	1	130.2
3	0	0	0	0	0	0	5.305	3	104.7	0	0	0
4	0	0	0	0	0	0	3.604	4	69.4	4.605	1	126.27
5	0	0	0	0	0	0	2.803	1	57.6	4.604	1	127.3
6	0	0	0	0	0	0	3.002	1	59	0	0	0
7	0	0	0	0	0	0	6.707	4	132.6	6.106	3	171.4
8	0	0	0	0.7998	1	12.4	6.506	3	131.6	4.605	1	126.76
9	0	0	0	0.7998	1	11	6.507	8	124.9	3.803	1	107.05
10	0	0	0	0.7998	1	3.7	6.606	6	127.4	4.305	1	119.83
11	0	0	0	0.4999	1	7.1	3.604	2	71.5	4.004	0	111.07
12	0	0	0	0	0	0	6.206	11	119	5.004	1	136.43
13	0	0	0	0	0	0	6.306	3	126.5	4.905	1	137.36
14	0	0	0	1.0997	2	13.2	7.407	4	147.2	5.506	1	152.42
15	0	0	0	0.7998	1	11.9	7.407	2	149.1	6.005	1	166.08
16	0	0	0	0	0	0	7.307	3	145.6	5.706	1	158.22
17	0	0	0	0	0	0	6.807	5	134.9	5.906	1	163.67
18	0	0	0	0.7999	1	11.1	6.206	3	123.3	5.005	1	140.3
19	0	0	0	0.6998	1	10.9	6.607	5	128.7	4.904	1	135.64
20	0	0	0	0	0	0	6.606	3	134	5.005	1	137.41
21	0	0	0	0.6998	1	10.9	6.907	2	137.8	8.208	5	228.65
22	0	0	0	1.4996	2	22.2	6.006	3	119.6	4.805	1	131.46
23	0	0	0	4.5989	3	77.4	6.606	5	129.3	1.802	1	51.27
24	0	0	0	0	0	0	6.607	4	131.8	7.007	1	195.66
25	0	0	0	0.5999	1	9.9	2.602	2	51.6	1.601	0	43.18
26	0	0	0	0.7998	1	11	5.806	3	114.6	4.505	1	124.68
27	0	0	0	0	0	0	2.903	1	59.3	4.404	1	124.27
28	0	0	0	4.2989	1	75.3	7.307	3	144.7	3.904	1	107.73
29	0	0	0	1.5996	2	24	6.806	3	136.8	7.207	1	198.71
30	0	0	0	3.5992	1	62	7.007	3	140.3	5.405	1	152.17
31	0	0	0	5.9985	2	102.9	7.007	2	139.7	4.504	1	123.81
Month	0	0	0	29.9927	23	476.9	179.875	105	3568.8	142.439	33	3953.56

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth

Well Report

April-12

Daily / Monthly

Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	0	0	0	3.804	1	77.3	3.103	1	86.34
2	0	0	0	0	0	0	2.903	1	57.5	3.103	0	85.75
3	0	0	0	0	0	0	2.803	2	56.7	0.801	1	22.54
4	0	0	0	0	0	0	2.702	1	53.7	3.904	0	108.43
5	0	0	0	0.8998	1	13.9	2.302	1	46.1	0	0	0
6	0	0	0	0	0	0	3.204	1	63	3.903	1	108.39
7	0	0	0	0	0	0	2.802	3	56.3	2.503	0	69.04
8	0	0	0	0	0	0	2.903	2	57.5	4.504	1	126
9	0	0	0	0	0	0	2.903	1	58.4	0	0	0
10	0	0	0	0	0	0	3.003	2	57.7	4.605	1	128.47
11	0	0	0	0	0	0	3.003	1	59.5	0	0	0
12	0	0	0	0	0	0	5.605	4	110.8	4.504	1	124.67
13	0	0	0	0.6998	1	9.3	2.503	1	52	4.304	1	120.07
14	0	0	0	0	0	0	3.103	1	61.4	0	0	0
15	0	0	0	0	0	0	4.304	3	84.8	4.905	1	134.28
16	0	0	0	0	0	0	4.404	1	88.9	2.302	1	65.22
17	0	0	0	0	0	0	2.903	1	57.2	2.102	0	58.25
18	0	0	0	0	0	0	2.703	1	55.8	4.405	1	123.92
19	0	0	0	0.5999	1	9.7	4.204	2	82.7	0	0	0
20	0	0	0	0.6998	1	11	3.803	1	76.5	6.306	1	173.41
21	0	0	0	0	0	0	4.004	3	79.3	0	0	0
22	0	0	0	0	0	0	5.406	1	107.7	4.604	1	128.51
23	0	0	0	2.7993	2	45.2	3.003	1	61.5	5.105	1	142.63
24	0	0	0	1.4996	2	22.6	5.805	2	114.1	4.605	1	126.18
25	0	0	0	0.4999	1	6.7	7.207	6	141.6	5.005	1	139.44
26	0	0	0	0	0	0	5.305	1	106.8	4.905	1	135.45
27	0	0	0	0	0	0	2.903	2	56.1	0	0	0
28	0	0	0	0	0	0	5.706	3	113.1	4.504	1	124.63
29	0	0	0	0	0	0	3.003	1	60.5	4.604	1	128.72
30	0	0	0	0	0	0	2.803	1	56.5	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
Month	0	0	0	7.6981	9	118.4	111.009	52	2211	88.586	18	2460.34

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth

Well Report

March-12

Daily / Monthly

Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	0	0	0	2.703	3	52.6	4.004	0	112.37
2	0	0	0	0.8998	1	3.2	2.702	2	52.6	0	0	0
3	0	0	0	0	0	0	2.803	3	54.4	5.505	1	152.77
4	0	0	0	0	0	0	2.903	3	57.1	1.001	0	26.64
5	0	0	0	0	0	0	2.903	4	56.9	4.605	1	127.95
6	0	0	0	0	0	0	2.903	2	56.6	0	0	0
7	0	0	0	0	0	0	2.802	5	54.6	4.104	1	115.83
8	0	0	0	0	0	0	2.903	5	55.1	0.4	0	9.77
9	0	0	0	0	0	0	2.803	3	55.3	1.602	1	45.16
10	0	0	0	0	0	0	2.903	5	53.8	2.802	0	79.54
11	0	0	0	0	0	0	2.803	4	54.4	2.503	1	67.09
12	0	0	0	0.4999	1	8	2.402	4	47.2	1.902	0	54.81
13	0	0	0	0	0	0	3.103	7	58.2	0	0	0
14	0	0	0	0	1	0	2.903	4	56	6.706	2	185.66
15	0	0	0	0	0	0	2.903	5	53.6	0	0	0
16	0	0	0	0	0	0	2.802	6	53.5	1.502	1	42.59
17	0	0	0	0	0	0	2.803	6	52.7	2.802	0	78.1
18	0	0	0	0	0	0	2.703	2	54	1.502	1	41.81
19	0	0	0	0	0	0	2.802	4	54.1	2.903	0	79.34
20	0	0	0	1.0997	1	18.9	2.002	3	37.4	0	0	0
21	0	0	0	0	0	0	3.404	7	65.8	4.304	1	120.52
22	0	0	0	0	0	0	2.802	4	53.5	2.102	0	58.89
23	0	0	0	0	0	0	2.703	5	51.7	1.802	1	48.81
24	0	0	0	0	0	0	2.703	2	53.3	2.602	0	72.52
25	0	0	0	0	0	0	2.702	1	54	0	0	0
26	0	0	0	0	0	0	2.603	4	51.6	3.203	1	88.59
27	0	0	0	0.7998	1	2.5	2.502	2	47.5	3.003	0	85.85
28	0	0	0	0	0	0	1.602	3	30.7	0	0	0
29	0	0	0	0	0	0	1.001	1	19.9	0	0	0
30	0	0	0	0	0	0	2.502	1	49.3	5.906	1	164.19
31	0	0	0	0	0	0	5.005	3	99.7	0	0	0
Month	0	0	0	3.2992	5	32.6	85.083	113	1647.1	66.765	13	1858.8

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth

Well Report

February-12

Daily / Monthly

Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	0	0	0	2.803	1	54.4	2.001	1	55.09
2	0	0	0	0	0	0	2.803	1	54.1	2.403	0	66.05
3	0	0	0	0	0	0	2.702	1	53.6	1.401	1	38.84
4	0	0	0	0	0	0	2.803	1	53.5	2.903	0	81.72
5	0	0	0	0	0	0	2.703	1	54.3	3.303	1	90.69
6	0	0	0	4.099	4	22.9	2.002	1	38.1	1.101	0	29.71
7	0	0	0	0.4999	1	3	2.702	1	53.1	0	0	0
8	0	0	0	0	0	0	2.803	1	54.2	5.806	1	162.27
9	0	0	0	4.4989	1	25.4	2.703	1	53.7	0	0	0
10	0	0	0	0	0	0	2.702	1	52.2	0	0	0
11	0	0	0	0	0	0	2.603	1	51.9	3.103	1	86.27
12	0	0	0	0	0	0	2.502	1	49.2	3.203	0	89.25
13	0	0	0	13.1968	1	66.3	0.1	0	2	0	0	0
14	0	0	0	9.8976	0	46.4	2.203	1	41.8	0	0	0
15	0	0	0	6.5984	2	54.3	0.4	0	7.8	0	0	0
16	0	0	0	0	0	0	2.803	1	53.8	6.206	1	172.67
17	0	0	0	0	0	0	2.702	1	54.4	0.1	3	3.69
18	0	0	0	0	0	0	2.903	1	55.4	0	0	0
19	0	0	0	0	0	0	2.703	1	53.6	6.407	1	177.42
20	0	0	0	0	0	0	2.803	1	55.2	0	0	0
21	0	0	0	0	0	0	2.702	1	54.5	4.003	1	112.76
22	0	0	0	0	0	0	2.803	1	55	0.401	0	8.93
23	0	0	0	0	0	0	2.703	1	53.3	0	0	0
24	0	0	0	0	0	0	2.702	5	49.2	3.103	1	88.98
25	0	0	0	1.1997	3	7.3	1.201	3	22.7	3.303	0	89.52
26	0	0	0	0	0	0	2.803	5	53.8	0	0	0
27	0	0	0	3.5991	1	50.9	2.803	6	52.2	3.503	1	99.59
28	0	0	0	0	0	0	2.803	6	51.1	2.103	0	57.94
29	0	0	0	0	0	0	2.702	5	52.8	0.3	1	7.5
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
Month	0	0	0	43.5894	13	276.5	71.67	51	1390.9	54.653	14	1518.89

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth

Well Report

January-12

Daily / Monthly

Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	0	0	0	2.803	1	53	4.504	1	126.26
2	0	0	0	0	0	0	2.903	1	53.4	0	0	0
3	0	0	0	0	0	0	2.803	1	52.7	4.505	1	123.66
4	0	0	0	0.8997	0	3.5	2.702	1	51.9	0	0	0
5	0	0	0	0	0	0	2.903	1	53.2	4.404	1	121.98
6	0	0	0	0	0	0	2.803	1	52.7	0	0	0
7	0	0	0	0	0	0	2.903	1	54.8	4.404	1	124.98
8	0	0	0	0	0	0	2.903	1	55.1	0	0	0
9	0	0	0	0	0	0	2.902	3	53.2	4.605	1	126.98
10	0	0	0	0	0	0	2.803	1	53.4	0	0	0
11	0	0	0	0	0	0	3.804	2	72.6	1.101	1	31.47
12	0	0	0	0	0	0	4.104	1	79.8	5.205	0	143.39
13	0	0	0	0	0	0	2.803	1	53.8	2.402	1	68.73
14	0	0	0	0	0	0	2.702	1	52.9	1.902	0	52.12
15	0	0	0	0	0	0	2.803	1	52.5	0	0	0
16	0	0	0	0	0	0	2.803	1	54.1	5.005	1	137.88
17	0	0	0	0	0	0	2.702	1	52.5	1.502	0	42.26
18	0	0	0	0	0	0	2.703	1	51.9	0	0	0
19	0	0	0	0	335	0	2.703	1	53.4	0	0	0
20	0	0	0	0	0	0	2.702	1	52.1	6.406	3	177.35
21	0	0	0	0	0	0	2.703	2	52.3	0	0	0
22	0	0	0	0	0	0	2.702	1	53	4.204	1	119.59
23	0	0	0	0	0	0	2.703	1	52.3	2.102	0	57.01
24	0	0	0	0	0	0	2.703	1	52.4	0	0	0
25	0	0	0	0	0	0	2.602	1	52.3	3.203	1	89.21
26	0	0	0	0	0	0	2.703	1	52.5	3.103	0	85.65
27	0	0	0	0	0	0	2.703	1	52.2	0	0	0
28	0	0	0	0	0	0	2.702	1	53.2	5.405	1	152
29	0	0	0	0	0	0	2.803	1	54.6	0.901	0	24.07
30	0	0	0	0	0	0	2.803	1	53.7	1.902	1	52.82
31	0	0	0	0	0	0	2.702	1	54	2.403	0	68.43
Month	0	0	0	0.8997	335	3.5	88.086	35	1691.5	69.168	15	1925.84

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth												
Well Report												
December-11						Daily / Monthly						
Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	0	0	0	2.803	1	57.6	1.301	0	32.37
2	0	0	0	0	0	0	2.802	1	57.2	2.302	1	65.06
3	0	0	0	0	0	0	2.703	1	56.8	2.002	0	50.16
4	0	0	0	0	0	0	2.803	1	58.2	2.403	1	65.02
5	0	0	0	0	0	0	2.802	1	57.9	1.902	0	50.39
6	0	0	0	0	0	0	2.803	1	58.2	2.602	1	69.68
7	0	0	0	0	0	0	2.803	1	57.2	1.802	0	47.05
8	0	0	0	0	0	0	2.702	1	57.3	2.803	1	76.18
9	0	0	0	0	0	0	2.803	2	57.2	1.501	0	38.9
10	0	0	0	0	0	0	2.703	1	57.6	0	0	0
11	0	0	0	0	0	0	2.903	1	58.3	6.506	1	173.55
12	0	0	0	0	0	0	2.702	2	57.4	0	0	0
13	0	0	0	0	0	0	2.803	1	56.3	4.305	1	114.98
14	0	0	0	0	0	0	2.703	1	58	0	0	0
15	0	0	0	2.6993	0	48.7	2.802	1	57.7	2.202	1	60.88
16	0	0	0	1.0997	0	17.7	2.703	1	55.5	2.202	0	55.34
17	0	0	0	0	0	0	2.703	1	56.7	0	0	0
18	0	0	0	0	0	0	2.903	1	58.8	6.406	1	175.28
19	0	0	0	0	0	0	2.802	1	58.5	0	0	0
20	0	0	0	0.6999	0	11.4	2.803	1	57.8	3.904	1	108.48
21	0	0	0	0	0	0	2.703	1	57.2	0.5	0	13.77
22	0	0	0	0	0	0	2.802	1	58	4.405	1	121.16
23	0	0	0	0	0	0	2.803	1	57.9	0	0	0
24	0	0	0	0	0	0	2.903	1	59.6	4.404	1	123.57
25	0	0	0	0	0	0	2.703	1	56.9	0	0	0
26	0	0	0	0	0	0	2.802	1	58.5	4.404	1	121.54
27	0	0	0	0	0	0	2.903	1	59.6	0	0	0
28	0	0	0	0	0	0	3.003	1	61.5	4.505	1	127
29	0	0	0	0	0	0	2.703	1	57.7	0	0	0
30	0	0	0	0	0	0	2.802	1	58.3	4.404	1	122.14
31	0	0	0	0	0	0	3.003	1	55.9	0	0	0
Month	0	0	0	4.4989	0	77.8	86.684	33	1791.3	66.765	14	1812.5

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth												
Well Report												
November-11							Daily / Monthly					
Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	0	0	0	2.803	1	57.6	4.304	1	115.31
2	0	0	0	0	0	0	2.803	1	57.8	0	0	0
3	0	0	0	0	0	0	2.702	1	56.8	4.304	1	115.38
4	0	0	0	0	0	0	2.703	1	56.9	0	0	0
5	0	0	0	0	0	0	2.803	1	58.3	4.304	1	115.9
6	0	0	0	0	0	0	2.902	1	58.7	0	0	0
7	0	0	0	0	0	0	2.803	1	58.5	4.405	1	117.95
8	0	0	0	0	0	0	2.803	1	59.1	0	0	0
9	0	0	0	0	0	0	2.803	1	57.5	4.404	1	117.22
10	0	0	0	0	0	0	2.902	1	59.3	0	0	0
11	0	0	0	0	0	0	2.803	1	58.3	4.504	1	118.39
12	0	0	0	0	0	0	2.803	2	57.5	0	0	0
13	0	0	0	0	0	0	5.005	1	105.6	3.204	1	90.9
14	0	0	0	0	0	0	2.802	1	58	2.902	0	73.39
15	0	0	0	0	0	0	2.803	1	58.6	4.104	1	110.24
16	0	0	0	0	0	0	2.803	1	58.3	0.201	0	6.83
17	0	0	0	0	0	0	2.903	1	59	4.404	1	117.95
18	0	0	0	0.6999	0	9.6	2.402	1	51	0	0	0
19	0	0	0	0	0	0	3.003	1	60.4	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	5.706	6	118	8.508	4	232.94
22	0	0	0	0	0	0	2.802	1	58.9	0	0	0
23	0	0	0	0	0	0	3.103	1	62.9	4.505	1	122.29
24	0	0	0	0	0	0	2.503	1	51.9	0	0	0
25	0	0	0	0	0	0	2.502	1	51.6	0	0	0
26	0	0	0	0	0	0	2.703	2	55.7	5.805	1	156.2
27	0	0	0	0	0	0	5.005	1	105.4	0	0	0
28	0	0	0	0	0	0	2.702	1	55.8	5.806	1	132.98
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	2.703	1	58	4.104	1	113.51
31	0	0	0	0	0	0	2.803	1	57.6	2.302	0	58.16
Month	0	0	0	0.6999	0	9.6	87.886	36	1823	72.07	17	1915.54

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth												
Well Report												
October-11						Daily / Monthly						
Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	12.197	0	96.8	3.103	1	64.9	5.606	1	150.93
2	0	0	0	15.9961	0	167.3	2.902	1	59.7	0	0	0
3	0	0	0	1.5996	0	22.8	6.106	4	125.4	4.504	1	122.24
4	0	0	0	3.7991	0	28	3.404	1	69.8	5.005	1	135.26
5	0	0	0	23.9941	0	188.8	0	0	0	0	0	0
6	0	0	0	23.9941	0	176.8	0	0	0	0	0	0
7	0	0	0	20.595	0	149.7	0	0	0	0	0	0
8	0	0	0	19.1953	0	143.1	0	0	0	0	0	0
9	0	0	0	14.9964	0	121.6	0	0	0	0	0	0
10	0	0	0	9.1977	0	79.3	2.502	4	52.3	0	0	0
11	0	0	0	23.9942	0	180.8	0	0	0	0	0	0
12	0	0	0	1.0997	0	5.4	2.803	2	57	4.405	1	116.78
13	0	0	0	17.5957	0	130	0	0	0	0	0	0
14	0	0	0	4.9988	0	33	2.703	1	55.3	0	0	0
15	0	0	0	16.4959	0	126.8	0	0	0	0	0	0
16	0	0	0	3.0993	0	19.9	2.702	1	57	0	0	0
17	0	0	0	1.0997	0	5.8	2.803	3	56	6.306	5	171.99
18	0	0	0	8.5979	0	82.5	2.703	1	56	0	0	0
19	0	0	0	7.9981	0	62	0	0	0	0	0	0
20	0	0	0	18.8953	0	136.6	0	0	0	0	0	0
21	0	0	0	4.399	0	37.1	2.502	1	52.2	0	0	0
22	0	0	0	0.8998	0	11.9	2.603	1	54.3	6.106	1	165.02
23	0	0	0	2.5993	0	18	2.702	1	56.9	0	0	0
24	0	0	0	1.8996	0	20	2.503	1	51.6	0	0	0
25	0	0	0	15.8961	0	113.6	0	0	0	0	0	0
26	0	0	0	2.9992	0	26.7	2.502	1	51.3	6.006	1	161.74
27	0	0	0	0	0	0	2.803	1	57.4	0	0	0
28	0	0	0	0	0	0	2.702	1	57.7	4.304	1	116.02
29	0	0	0	0	0	0	3.704	2	76.5	0	0	0
30	0	0	0	0	0	0	4.504	1	92	5.705	1	153.95
31	0	0	0	0	0	0	2.703	1	57	0.601	0	16.06
Month	0	0	0	278.132	0	2184.3	60.959	30	1260.3	48.548	13	1309.99

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth												
Well Report												
September-11						Daily / Monthly						
Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	1.7996	0	17.7	6.206	2	128.4	5.099	1	137.34
2	0	0	0	9.3977	0	84.9	5.806	2	120	2.899	1	77.95
3	0	0	0	1.7995	0	17	6.206	2	128.8	1.6	0	42.3
4	0	0	0	3.2992	0	46.6	3.103	1	64.4	4.799	1	128.78
5	0	0	0	5.0988	0	73.6	6.006	2	124.9	4.698	1	126.17
6	0	0	0	2.7993	0	34.6	6.105	2	128	4.599	1	123.74
7	0	0	0	4.299	0	38.2	6.106	2	126.7	4.999	1	134.47
8	0	0	0	0.7998	0	11.6	6.907	2	113.9	4.399	2	117.94
9	0	0	0	0	0	0	9.81	3	191.1	7.107	1	222.95
10	0	0	0	0	0	0	3.203	1	67.8	3.504	0	91.78
11	0	0	0	0	0	0	6.106	2	125.8	4.904	1	132.94
12	0	0	0	0	0	0	10.41	5	207.6	6.707	3	177.01
13	0	0	0	0.9997	0	14.6	8.909	2	185.9	9.509	1	258.92
14	0	0	0	1.9995	0	19.1	7.107	2	146.5	6.206	1	165.2
15	0	0	0	1.6996	0	24.3	6.106	2	127.5	5.706	1	150.05
16	0	0	0	1.8996	0	18	5.705	2	118.4	4.404	1	118.57
17	0	0	0	19.4952	0	158.6	0	0	0	0	0	0
18	0	0	0	7.6981	0	79.3	2.903	1	59.4	0	0	0
19	0	0	0	2.6994	0	22.6	7.107	3	148.3	3.504	3	97.38
20	0	0	0	1.5996	0	24.5	7.707	2	159.6	7.106	1	193.01
21	0	0	0	1.7995	0	18.1	6.407	2	134.4	5.806	1	156.96
22	0	0	0	1.8996	0	17.7	6.706	2	137.3	7.407	1	195.92
23	0	0	0	1.6995	0	17.6	5.906	2	124	4.605	1	124.6
24	0	0	0	3.8991	0	34.5	5.505	2	114	0	0	0
25	0	0	0	1.2997	0	14.9	2.803	1	57.5	6.406	1	172.71
26	0	0	0	2.2994	0	25.4	9.71	3	202.3	4.905	1	132.38
27	0	0	0	1.6996	0	23.5	6.406	2	132.2	5.005	1	132.96
28	0	0	0	1.7996	0	25.2	6.306	2	131.1	5.105	1	136.53
29	0	0	0	1.7995	0	10	6.406	2	133.5	4.804	1	130.16
30	0	0	0	2.2995	0	28.6	6.507	2	135.5	5.205	1	137.6
31	0	0	0	0	0	0	0	0	0	0	0	0
Month	0	0	0	87.8786	0	900.7	184.18	60	3774.8	140.997	30	3816.32

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth												
Well Report												
August-11						Daily / Monthly						
Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	1.9001	0	28.3	10.711	4	221.9	9.298	2	254.03
2	0	0	0	4.7003	0	78.9	7.207	2	148.6	8.098	1	212.85
3	0	0	0	4.6003	0	74.9	9.509	3	199.2	5.698	1	153.14
4	0	0	0	1.8001	0	28.9	9.91	2	205.8	6.099	1	164.23
5	0	0	0	2.6002	0	37.1	9.209	3	191.8	6.198	2	166.67
6	0	0	0	1.5001	0	22.8	6.907	2	143.7	7.998	1	214.66
7	0	0	0	2.0001	0	27.4	6.806	2	141.3	4.299	1	114.1
8	0	0	0	16.401	0	294.2	0	0	0	2.7	0	71.15
9	0	0	0	12.8008	0	227.3	3.003	1	61.7	0	0	0
10	0	0	0	1.7001	0	22.1	6.907	3	142.6	4.898	1	129.55
11	0	0	0	10.6006	0	184.8	8.809	4	182.4	5.499	2	148.89
12	0	0	0	9.2006	0	162.8	4.003	1	82.8	4.699	0	125.1
13	0	0	0	4.7003	0	77.1	9.109	3	190.6	5.798	2	156.39
14	0	0	0	1.9001	0	18.3	6.507	2	134.6	4.899	1	131.72
15	0	0	0	6.9004	0	110.6	5.605	2	116.1	4.199	0	110.06
16	0	0	0	1.7001	0	27.1	9.009	2	187.7	11.297	2	303.64
17	0	0	0	4.8003	0	79.4	6.807	3	140.4	5.299	1	141.24
18	0	0	0	10.6007	0	189.3	7.006	4	144.8	2.999	1	85.56
19	0	0	0	9.2005	0	159.9	5.105	2	106	2.5	0	62.71
20	0	0	0	1.7001	0	25.9	8.008	2	165.7	6.798	2	183.34
21	0	0	0	6.1004	0	106.4	3.103	1	64.8	3.299	0	88.61
22	0	0	0	2.5001	0	37.5	10.51	5	218.2	7.798	3	214.52
23	0	0	0	3.2002	0	53.4	7.007	2	144.5	8.198	1	216.32
24	0	0	0	5.8004	0	87.1	6.306	2	131.4	4.899	1	131.64
25	0	0	0	24.0015	0	432.4	0	0	0	0	0	0
26	0	0	0	15.4975	0	276.1	3.304	1	68.8	0	0	0
27	0	0	0	1.5997	0	16	6.006	2	123.7	4.799	1	128.92
28	0	0	0	1.6995	0	23.8	5.605	2	116.4	4.499	1	120.54
29	0	0	0	1.9996	0	29.4	9.509	3	198.7	6.998	3	192.04
30	0	0	0	4.9987	0	81.5	7.207	2	149.3	6.099	1	163.6
31	0	0	0	1.6996	0	25.6	6.707	2	139.1	6.998	1	185.82
Month	0	0	0	180.404	0	3046.3	205.401	69	4262.6	162.86	33	4371.04

* 12am - 12pm = 1 Day

* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

City of New Plymouth

Well Report

July-11

Daily / Monthly

Day	Well Pump #6			Well Pump #7			Well Pump #8			Well Pump #9		
	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000	Hours Runtime	# Starts	Total Gallons X1000
1	0	0	0	2.3002	0	38.1	7.608	2	158.4	6.598	1	178.4
2	0	0	0	2.7001	0	39.1	10.21	3	212.5	7.098	2	188.53
3	0	0	0	1.9001	0	27.6	7.407	2	154	5.999	1	161.17
4	0	0	0	1.7001	0	24.8	6.806	4	138.9	8.698	1	232.02
5	0	0	0	4.8003	0	77	9.51	4	198.7	5.298	1	140.44
6	0	0	0	1.9001	0	26.7	9.709	2	200.9	5.599	1	149.6
7	0	0	0	6.2004	0	104.8	6.907	2	144.1	6.798	1	182.48
8	0	0	0	18.8012	0	330.8	3.904	1	80.7	2.2	1	62.38
9	0	0	0	1.6001	0	22.9	6.706	3	139.6	7.698	1	203.67
10	0	0	0	1.8001	0	17.9	7.307	2	152.1	4.499	1	123.24
11	0	0	0	7.1004	0	122	8.108	3	167.1	4.799	1	127.58
12	0	0	0	1.9001	0	27.3	7.508	3	156.4	9.497	1	253.94
13	0	0	0	16.8011	0	297.5	2.902	0	59.7	0	0	0
14	0	0	0	21.3012	0	378.8	3.504	1	73.1	0.9	1	24.54
15	0	0	0	1.9002	0	26.5	7.307	2	152.7	9.798	1	262.4
16	0	0	0	2.3001	0	28.1	7.107	3	145.8	5.098	1	136.32
17	0	0	0	2.4001	0	20.7	7.607	2	159.7	4.799	1	127.38
18	0	0	0	2.1002	0	33.4	9.209	3	189.2	5.299	1	142.78
19	0	0	0	2.5001	0	37.1	8.609	4	179.8	5.899	1	157.74
20	0	0	0	9.5006	0	167.1	4.804	1	100.2	4.698	1	125.18
21	0	0	0	2.9002	0	35.1	9.009	5	185	5.899	2	160.02
22	0	0	0	2.9002	0	48.9	8.609	2	179.7	10.297	1	275.18
23	0	0	0	2.8001	0	43.2	6.406	3	131.5	5.699	1	151.56
24	0	0	0	4.5003	0	75.3	6.406	2	133	3.199	1	88.78
25	0	0	0	4.0002	0	63.4	7.507	3	156.8	7.698	1	203.31
26	0	0	0	14.2009	0	251.9	7.007	2	145	1.4	1	39.77
27	0	0	0	4.3003	0	71.6	7.708	3	158.3	6.498	1	175.78
28	0	0	0	4.7003	0	77.4	7.207	3	149.5	9.098	1	239.08
29	0	0	0	15.2009	0	271.2	3.603	1	75.2	0	0	0
30	0	0	0	2.7002	0	42.8	6.006	2	126.1	5.199	1	139.59
31	0	0	0	2.8001	0	28.9	7.507	3	155.4	4.599	1	122.47
Month	0	0	0	172.511	0	2857.9	219.714	76	4559.1	170.858	31	4575.33

* 12am - 12pm = 1 Day

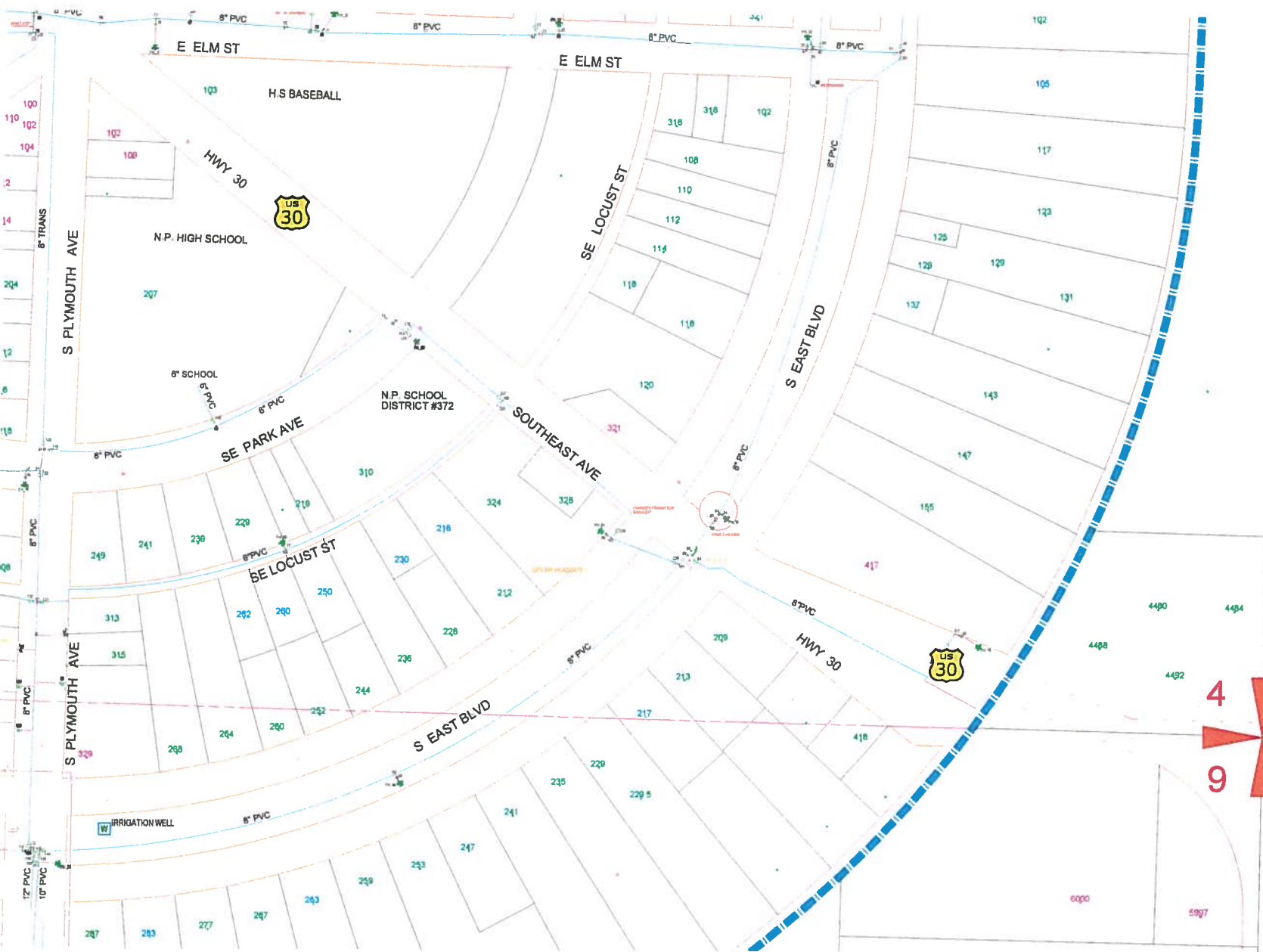
* 12am - 1st Day of Month to 12pm last day of month = 1 month

* Runtimes in Hours

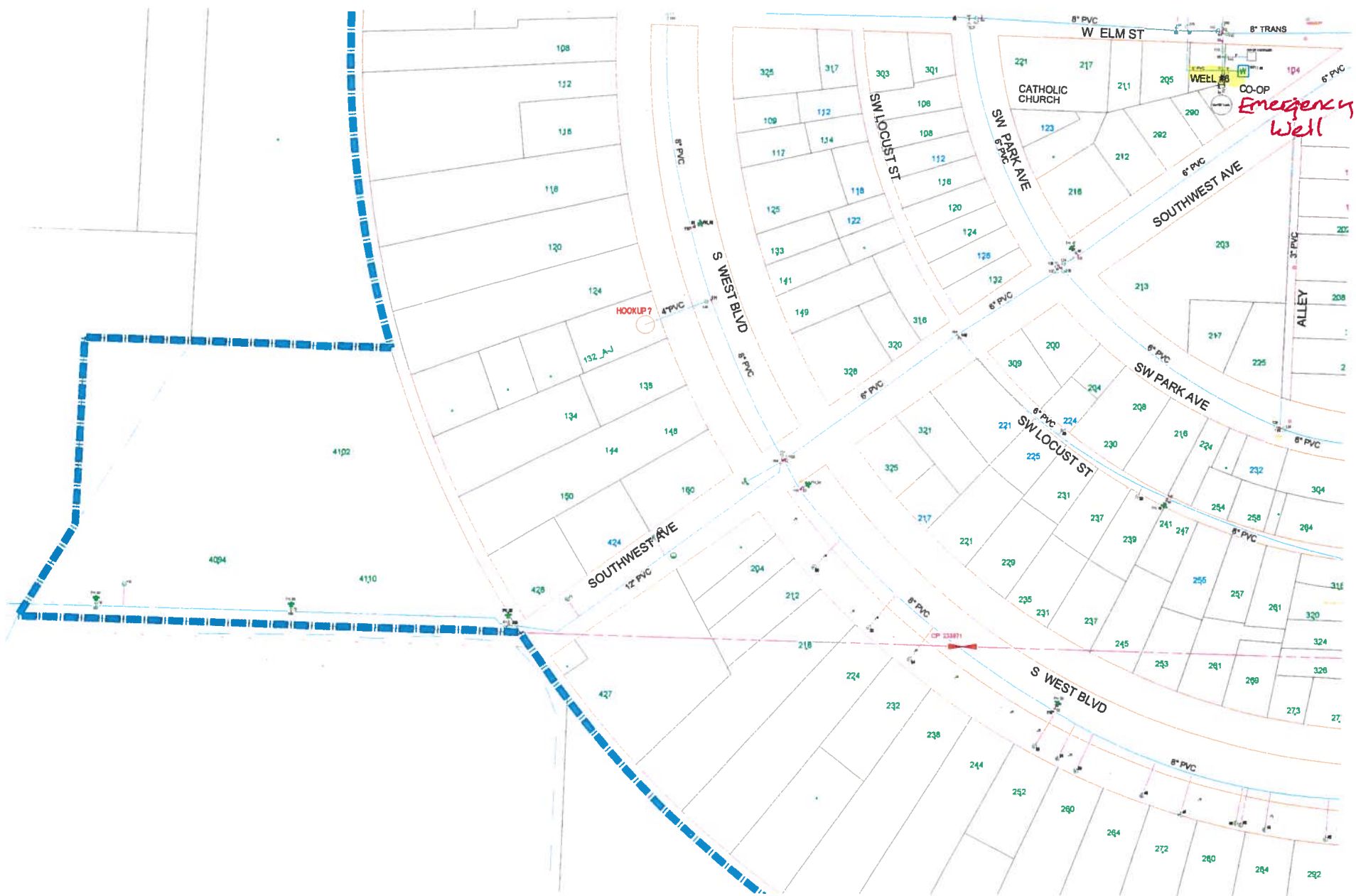
PAY



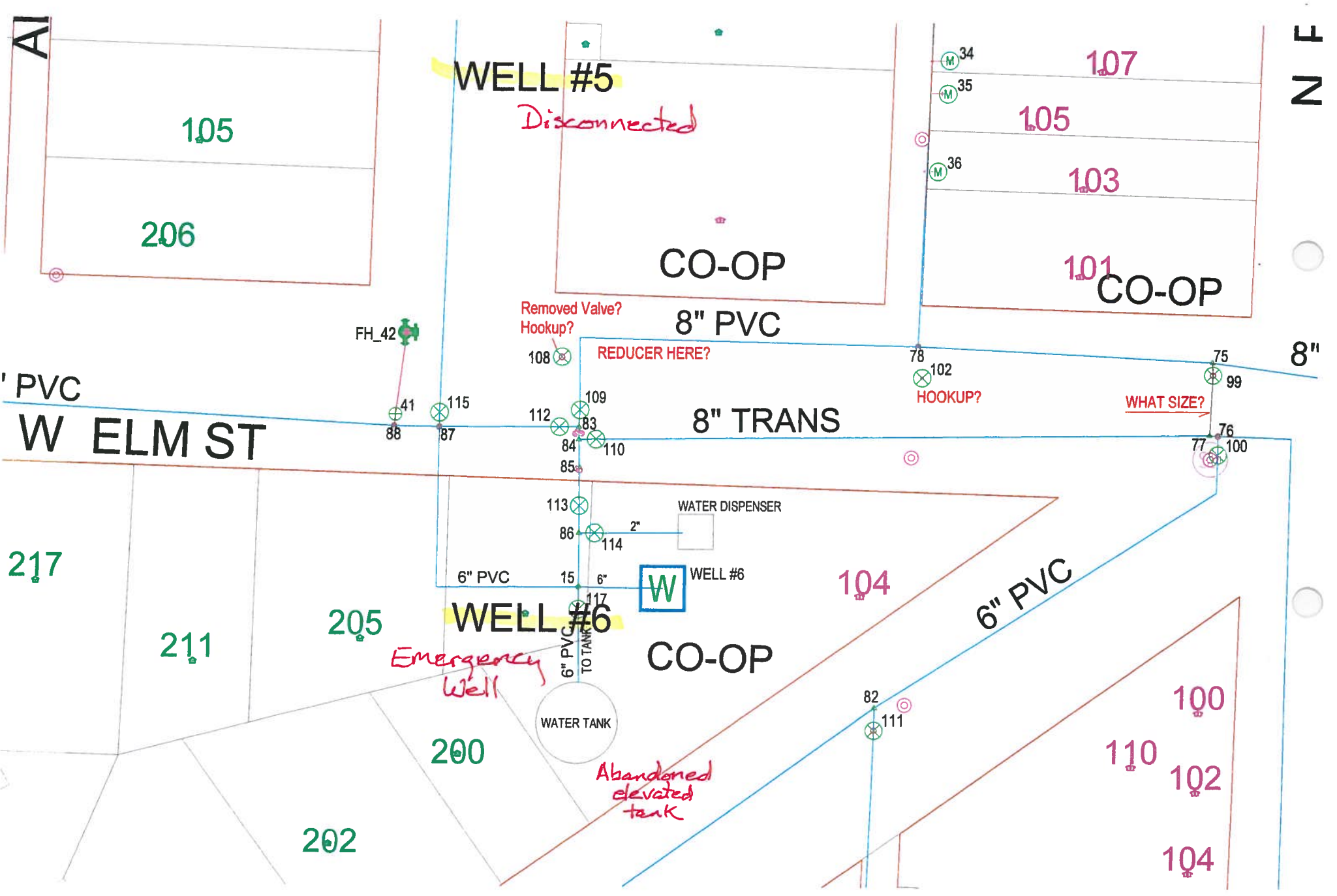
CP: 21063
CP: 23387

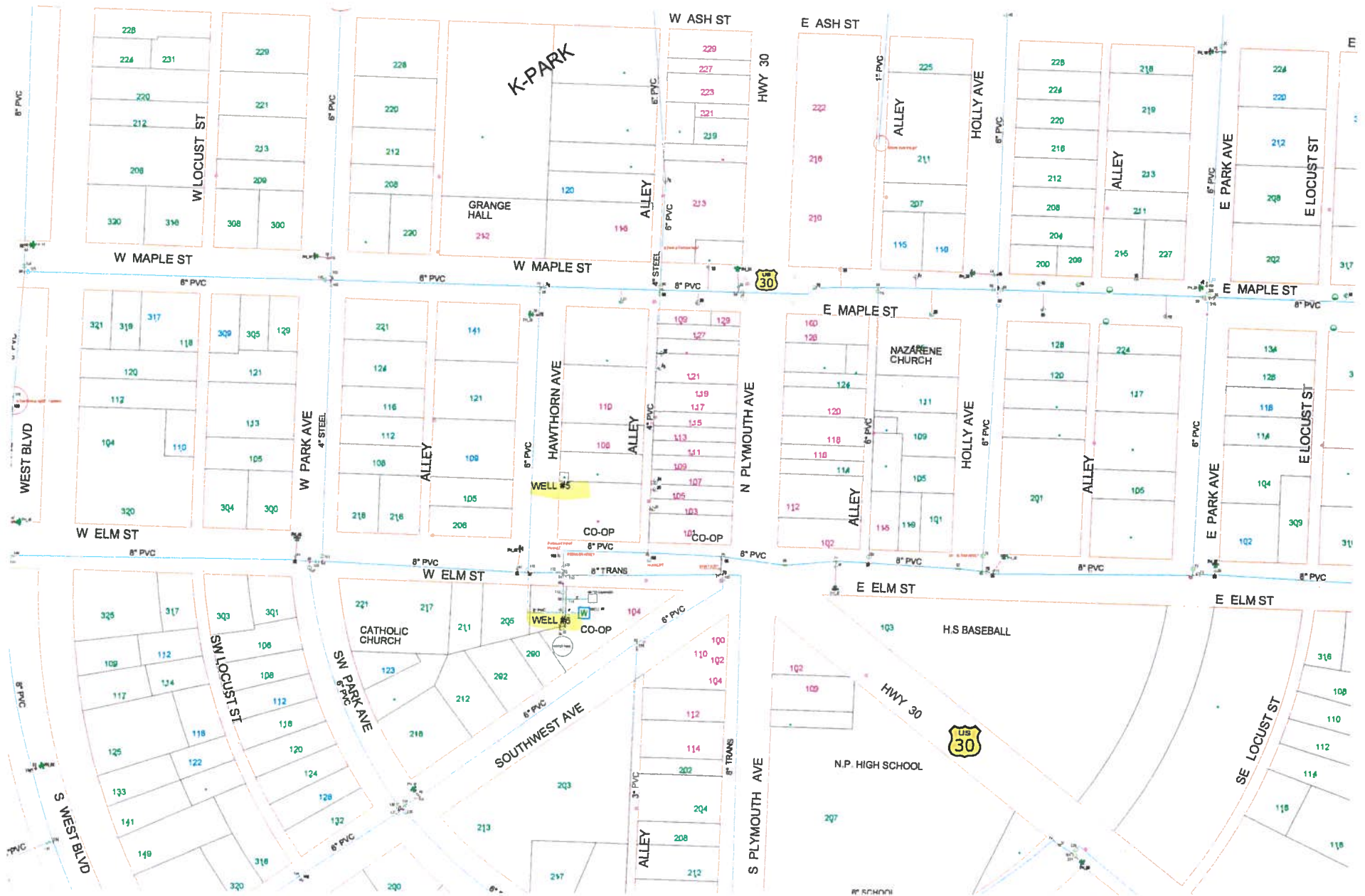


Distribution + Well Locations

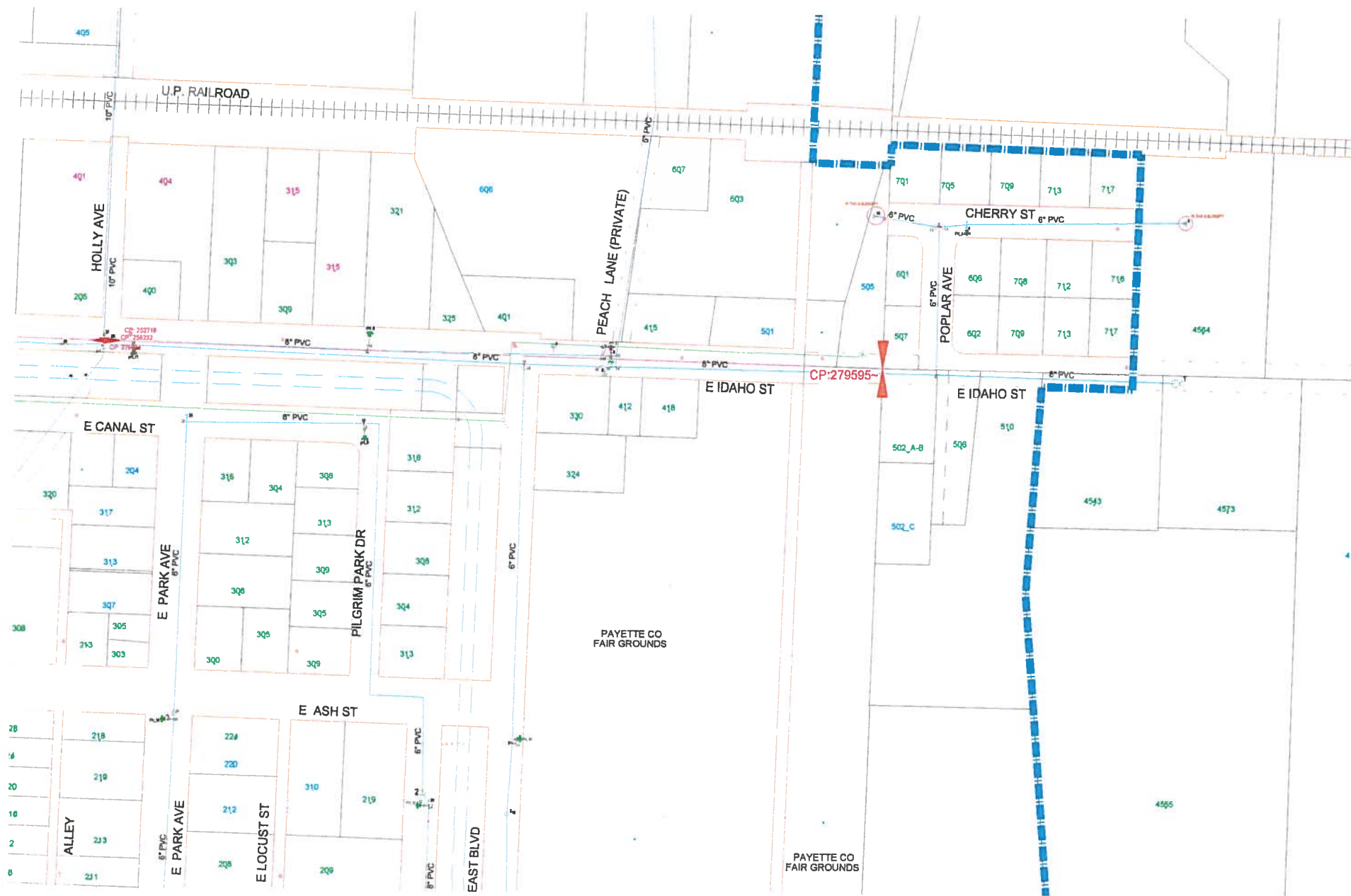


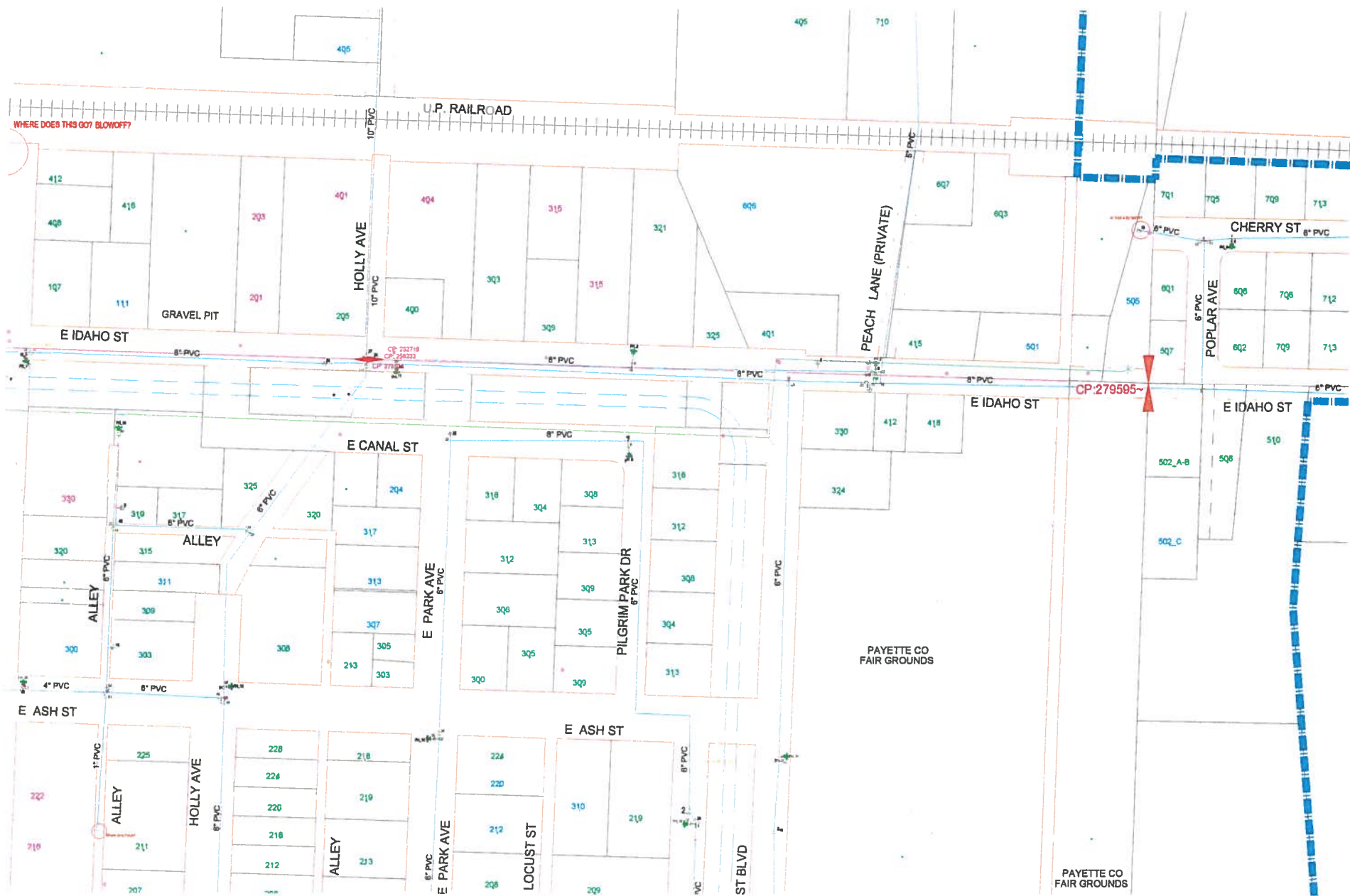


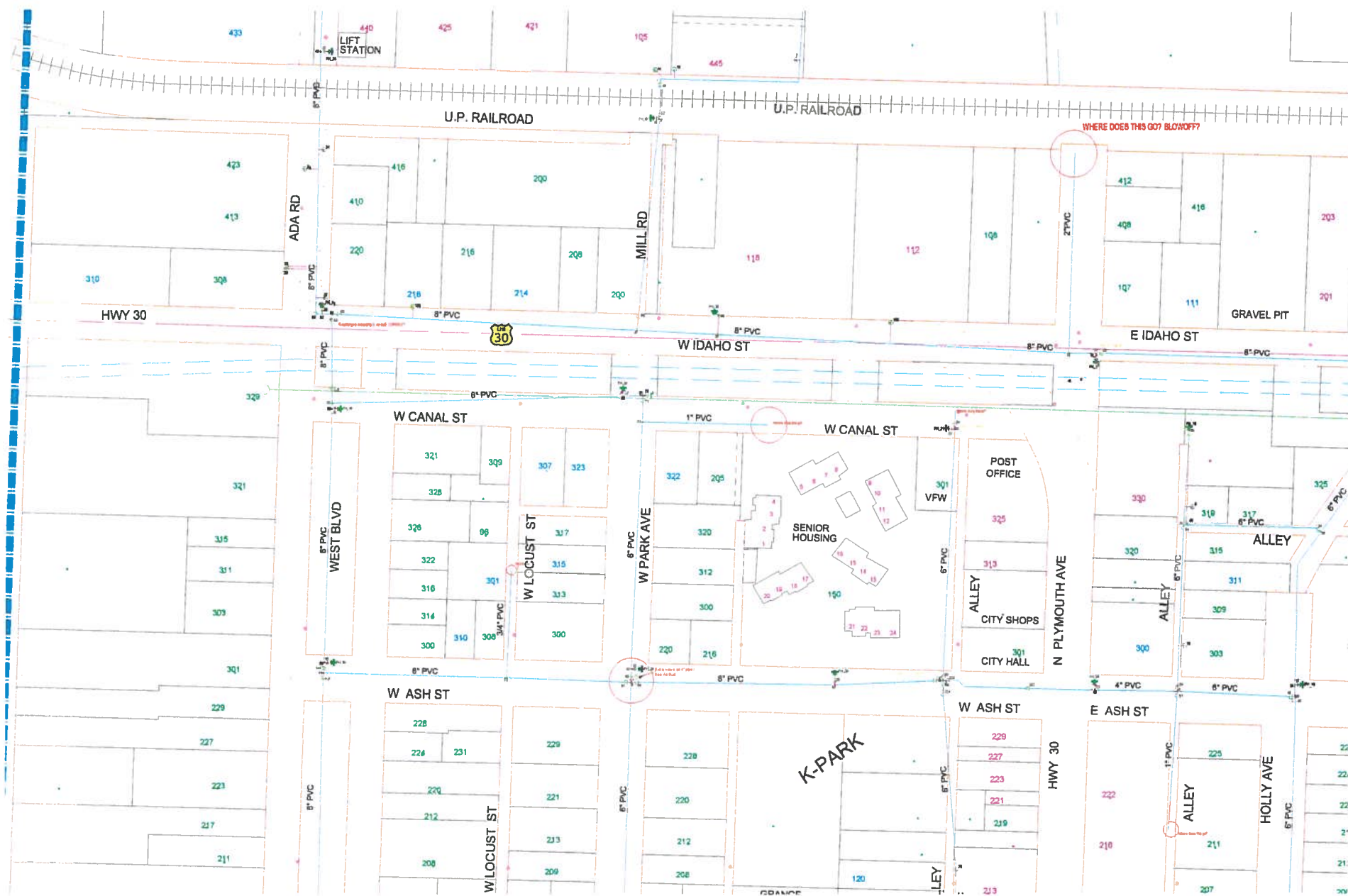




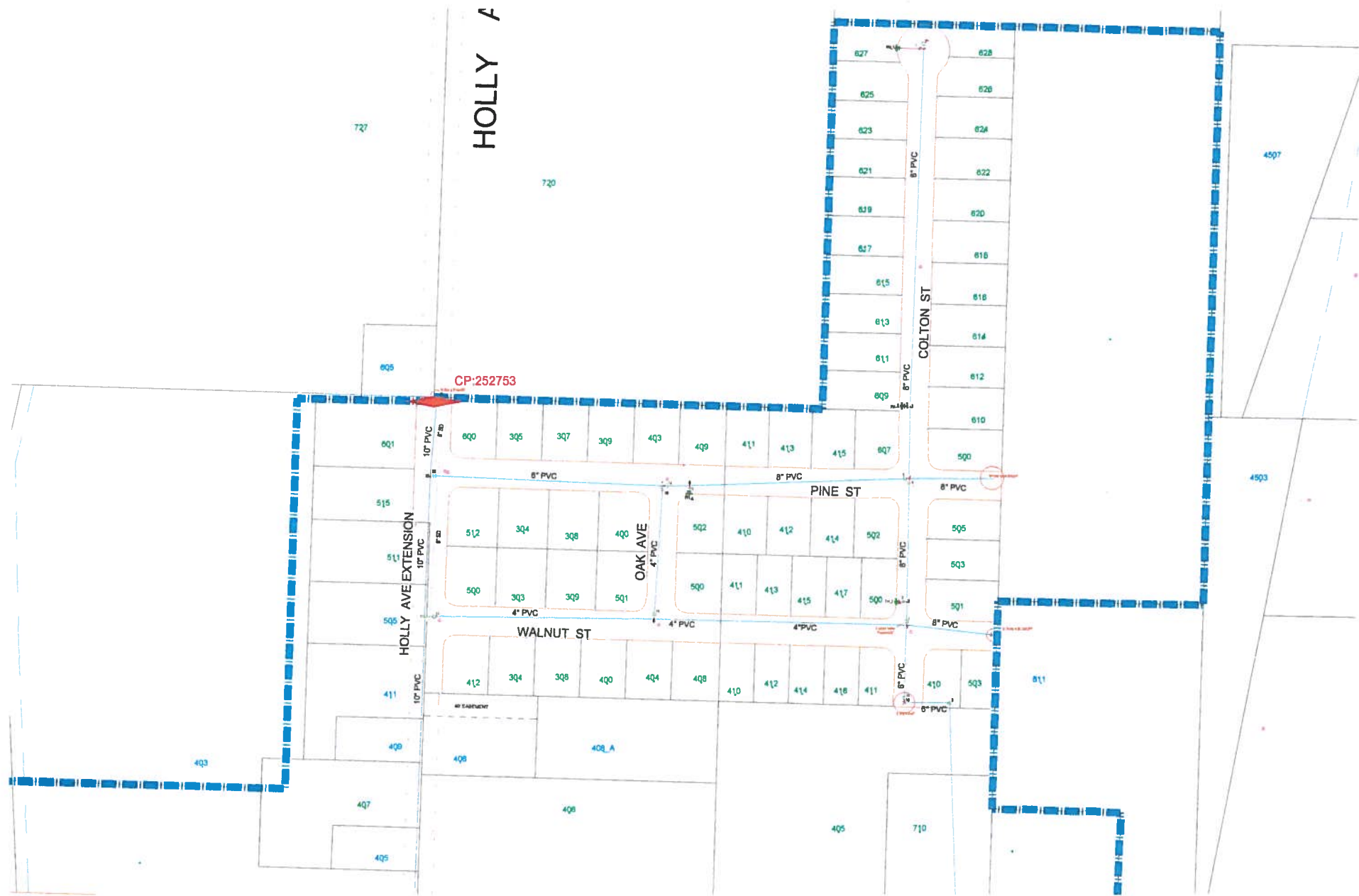














832
BUS BARN

I THINK THIS DETAIL WAS DRAWN UPSIDE DOWN
NP DETAIL #1

CP: 233873
CP: 336161

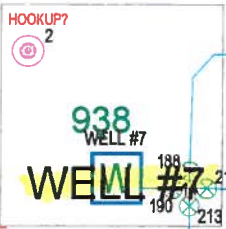
CHECK HOOKUP



. WAS DRAWN UPSIDE DOWN
AIL #1

HOOKUP

ARV1



931

923

917

911

901

4320

8 PVC

FI

8" PVC

131

123

115

111

130

126

122

119

118

114

110

S PLYMOUTH AVE

10" PVC

12" PVC

12" PVC DIST

10" PVC TRANS

8" PVC

MYRTLE ST

WELL #8

K
.L #8

LDS CHURCH

521

NP DETAIL #2

NP DETAIL

8" PVC

8" PVC

PLEASANT ST

100

106

OREGON AVE

8Q1

610

204

208

212

219

613

619

8Q3

618

811

8Q0

8Q1

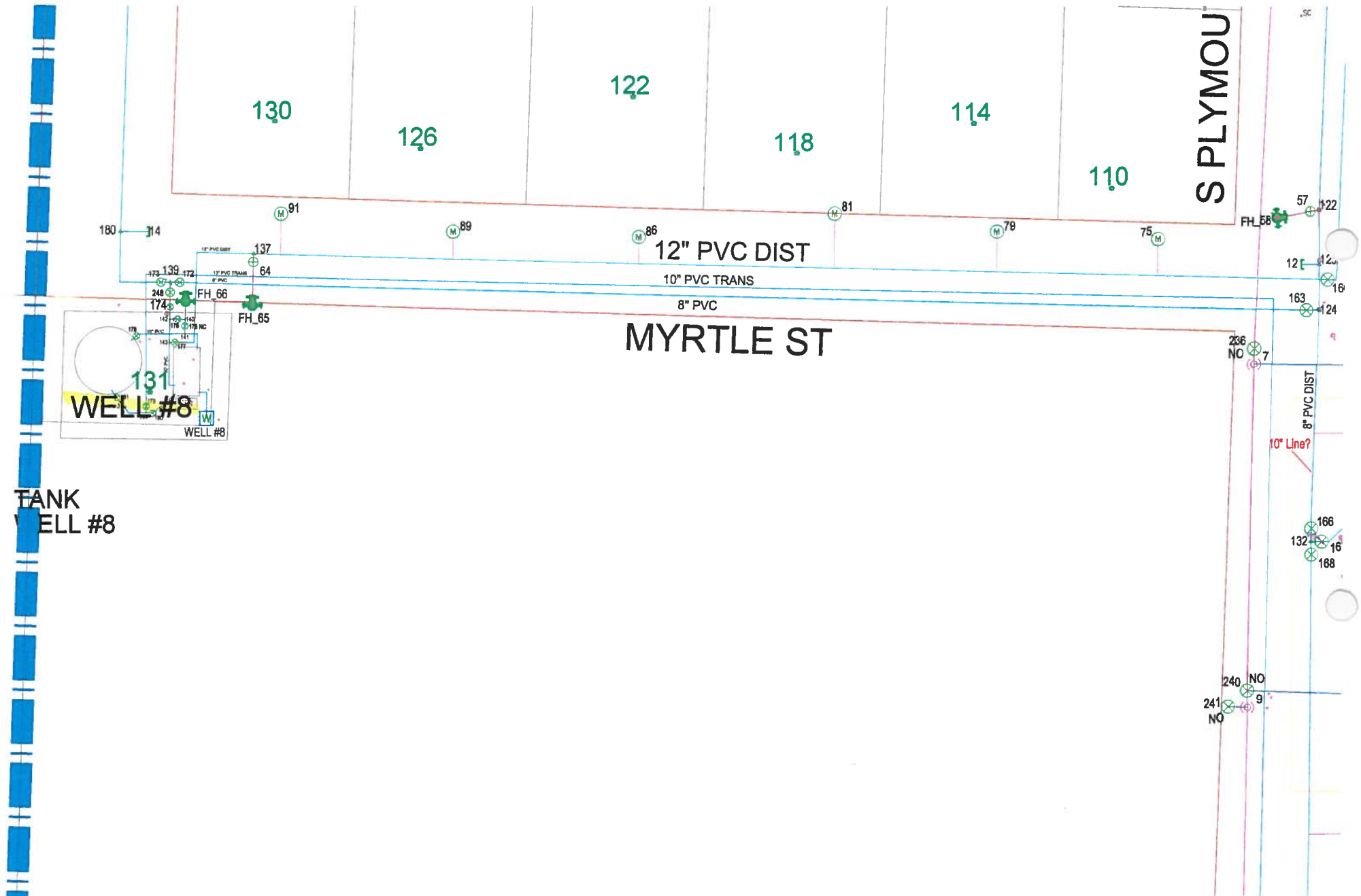
819

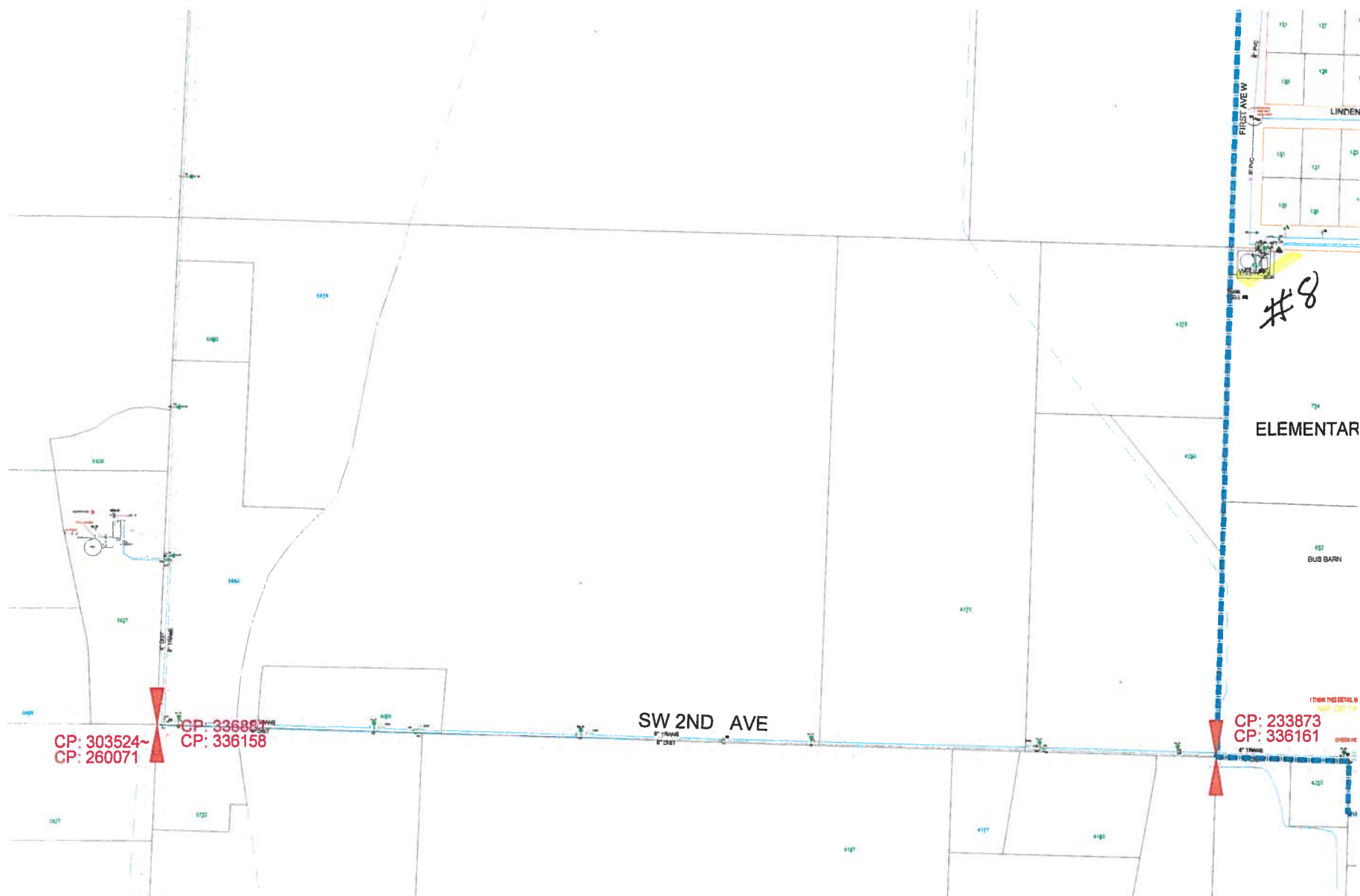
IS THERE A REDUCER HERE?

AND

7Q4

ELEMENTARY SCHOOL





5
4
8
9

CP: 203378

SOUTHWEST AVE
12' P.C.

S WEST BLVD

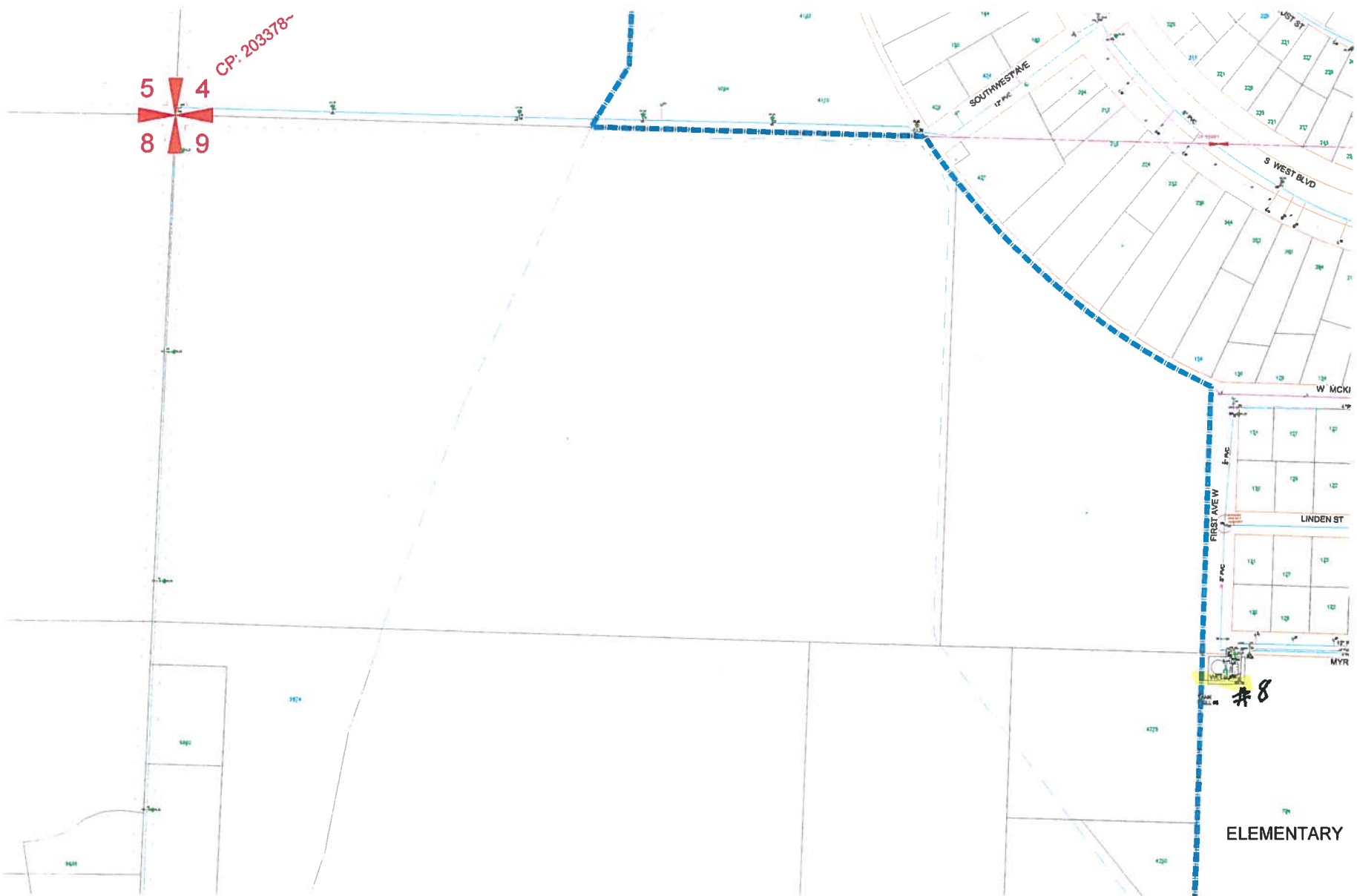
W MCKI

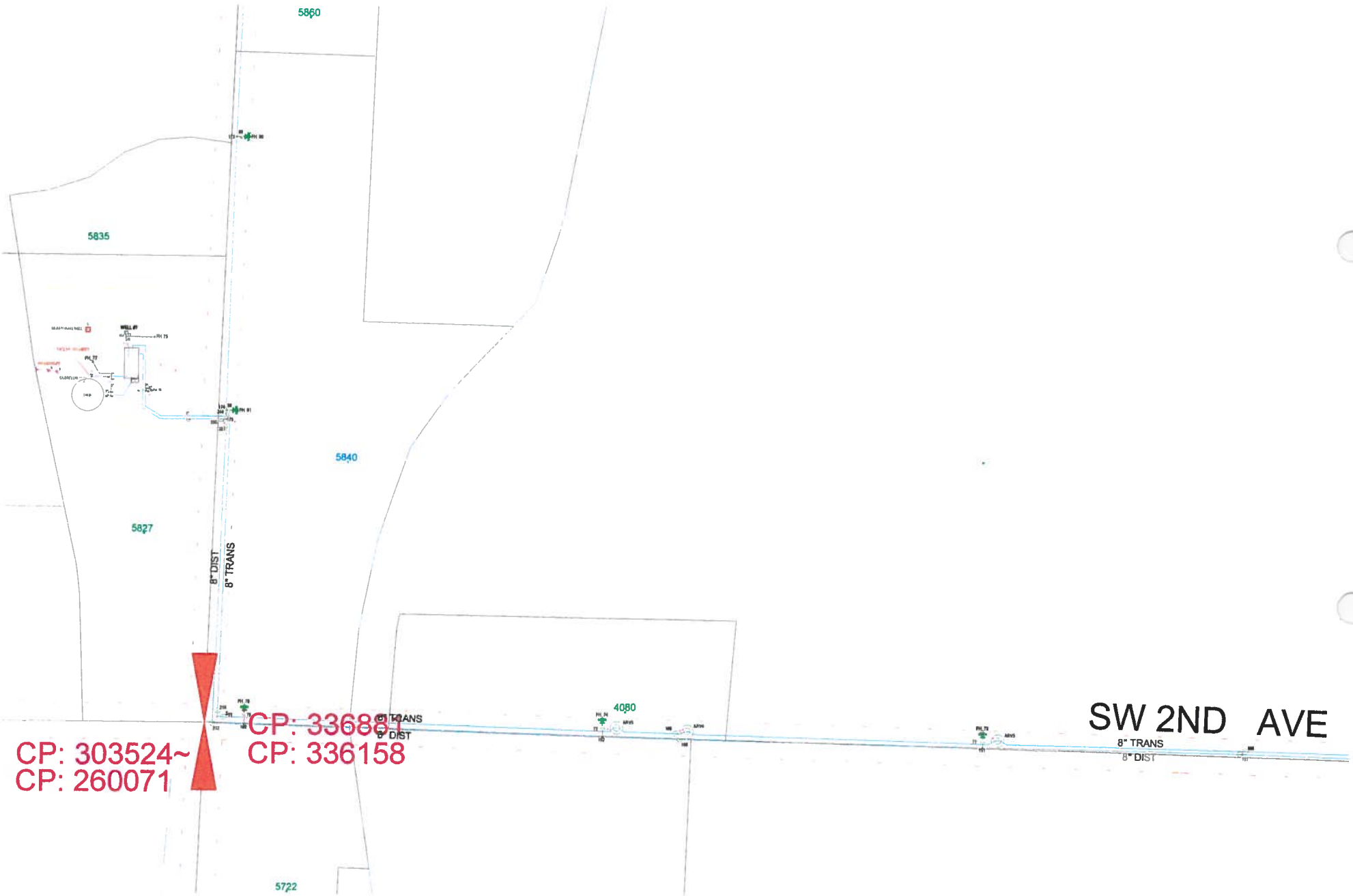
LINDEN ST

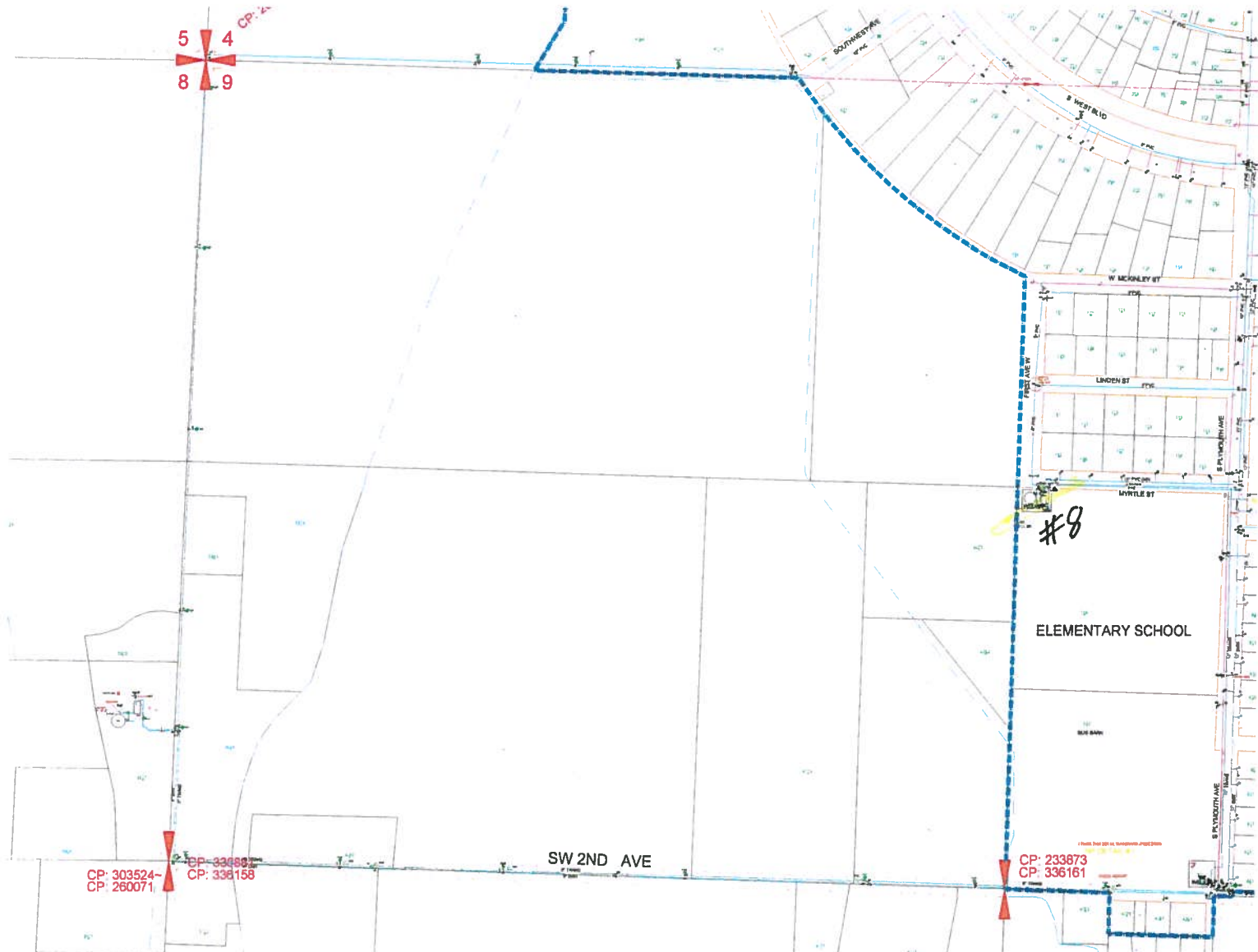
MYR

#8

ELEMENTARY







CP: 303524-
CP: 260071

CP: 33683
CP: 336158

SW 2ND AVE

ELEMENTARY SCHOOL

CP: 233673
CP: 336161

#8

