



2015 Capital Plan

City of Baker City Public Works Department

Current Year Update

**BAKER CITY PUBLIC WORKS
3 YEAR WATER CAPITAL PLAN
ESTIMATE OF COST
2014-2015 FISCAL YEAR - 2nd Half
JANUARY 1, 2015 - JUNE 30, 2015**

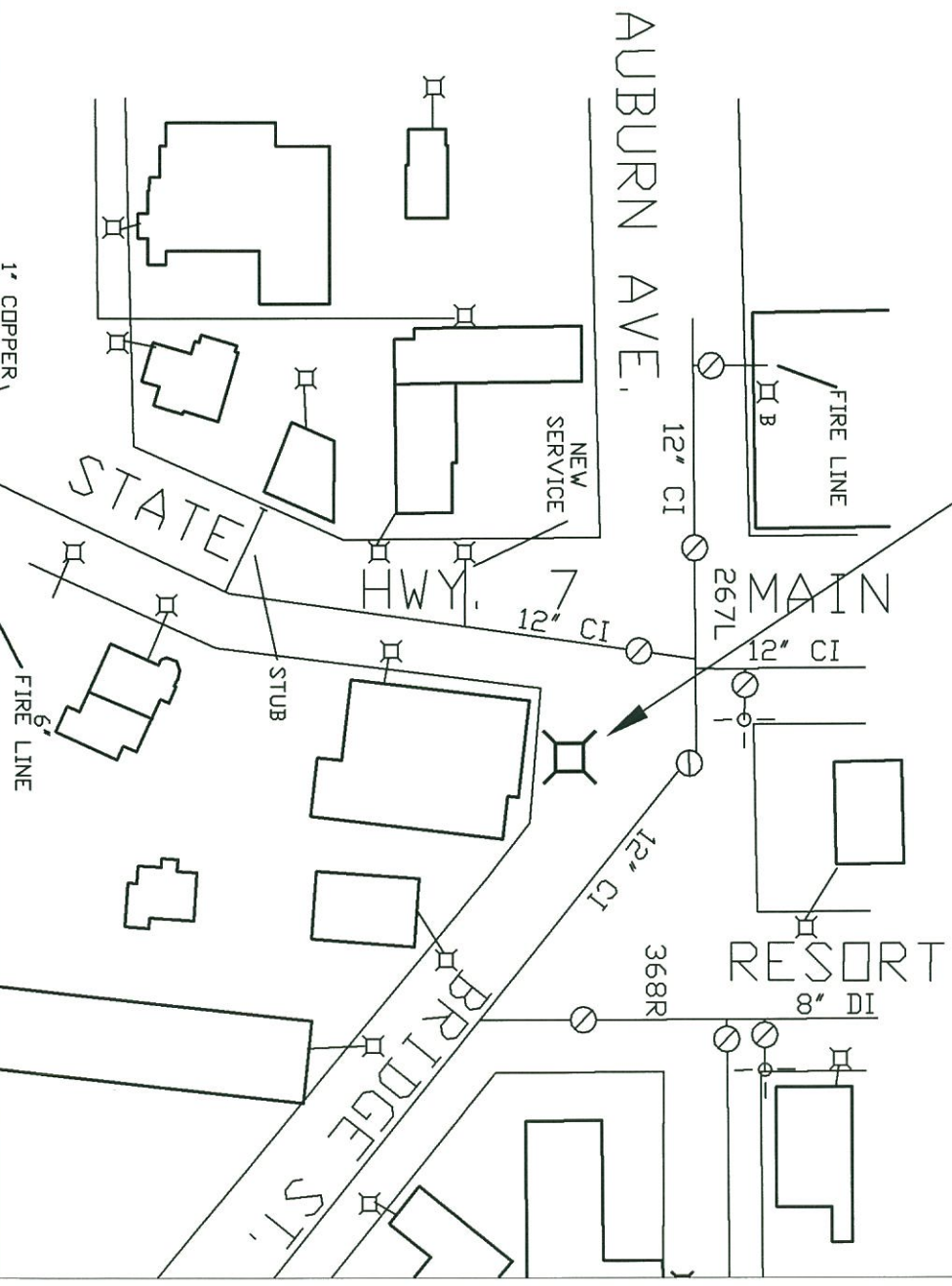
ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Mountain Line Environmental Assessment	1	Lump Sum	\$20,000.00	\$ 20,000.00	N/A	Environmental assessment of the mountain line replacement project as required by Forest Service.
2	Reservoir Hoist	1	Lump Sum	\$17,100.00	\$ 17,100.00	N/A	Replace hoist assembly for generator and pelton wheel removal.
3	Replace Hydrants	5	Each	\$6,000.00	\$ 30,000.00	Varies	Replace outdated undersized hydrants.
4	Water Line Extensions	Varies	Lineal Feet	Varies	\$ 10,000.00	Varies	Misc. water line extensions.
5	Water Facility Plan	N/A	Lump Sum	\$30,000.00	\$ 30,000.00	N/A	Update water facility plan as required.
6	Post Office Square	1	Each	\$1,186.50	\$ 1,186.50	1"	Install irrigation meter.
SUBTOTAL					\$ 108,286.50		
ENGINEERING					\$ 10,828.65		
ADMINISTRATIVE CHARGE					\$9,171.87		
TOTAL ESTIMATED COST					\$ 128,287.02		

Items noted in blue lettering are projects required by state or federal regulatory agencies.



2014-2015
CURRENT YEAR
ITEM NO. 6
POST OFFICE SQUARE
1" WATER METER

PROPOSED 1" IRRIGATION
WATER METER



Year 1

**BAKER CITY PUBLIC WORKS
3 YEAR WATER CAPITAL PLAN
ESTIMATE OF COST
2015-2016 FISCAL YEAR
JULY 1, 2015 - JUNE 30, 2016**

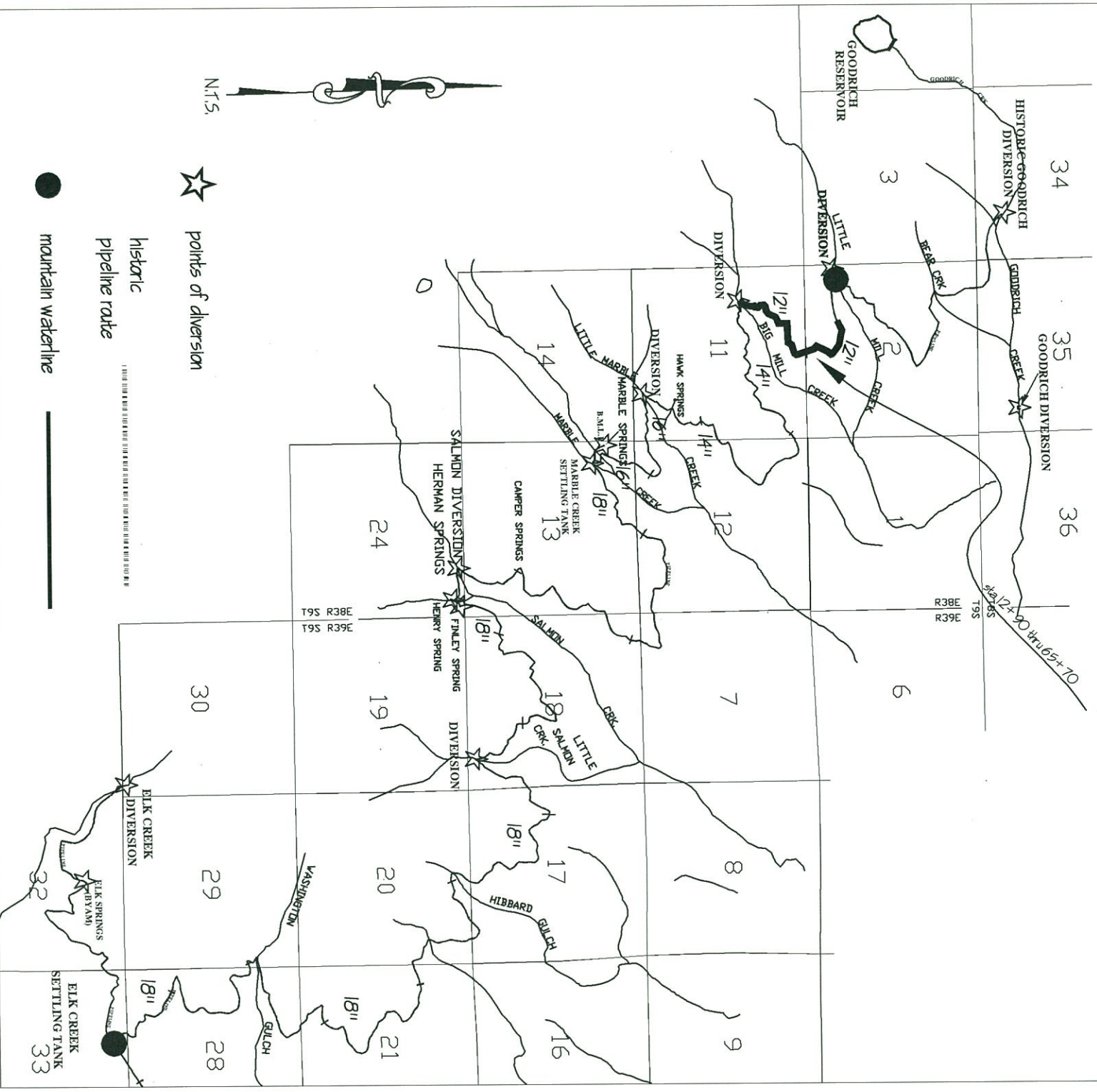
ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Mountain Line Replacement Sta. 12+90 to Sta. 65+70	1500	Lineal Feet	\$35.00	\$ 52,500.00	20" PVC	Begin construction of 20" dia. PVC pipe. Materials bought in spring 2009 (labor and equipment only).
2	Mountain Line Environmental Assessment	1	Lump Sum	\$10,000.00	\$ 10,000.00	N/A	Environmental assessment of the mountain line replacement project as required by Forest Service.
3	Replace Hydrants	3	Each	\$6,000.00	\$ 18,000.00	Varies	Replace hydrants as needed.
4	Little Mill Diversion	N/A	Lump Sum	\$24,000.00	\$ 24,000.00	12" DI	Replace intake screen and sub-standard line between Little Mill Diversion and the Auburn Pipeline.
5	Auburn Ave. (4th St. to 7th St.)	1080	Lineal Feet	\$125.00	\$ 135,000.00	16" DI	Grid Enhancement - Replace sub-standard line.
6	Water Line Extensions	Varies	Lineal Feet	Varies	\$ 10,000.00	Varies	Misc. water line extensions.
7	Elk Creek Pipeline	N/A	Lump Sum	\$20,000.00	\$ 20,000.00	20" DI	Tie-in for the 20" DI. Pipeline that was previously installed.
8	Broadway and 5th Street - Replace Valve and Hydrant	1	Each	\$9,000.00	\$ 9,000.00	Varies	Replace failing water valve and hydrant.
9	Water Facility Plan	N/A	Lump Sum	\$80,000.00	\$ 80,000.00	N/A	Update water facility plan as required.
SUBTOTAL					\$ 358,500.00		
ENGINEERING					\$ 35,850.00		
ADMINISTRATIVE CHARGE					\$30,364.95		
TOTAL ESTIMATED COST					\$ 424,714.95		

Items noted in blue lettering are projects required by state or federal regulatory agencies.
The current water rate structure does not provide adequate funding for all required projects.
Alternate funding will be required to meet these federally mandated regulations.

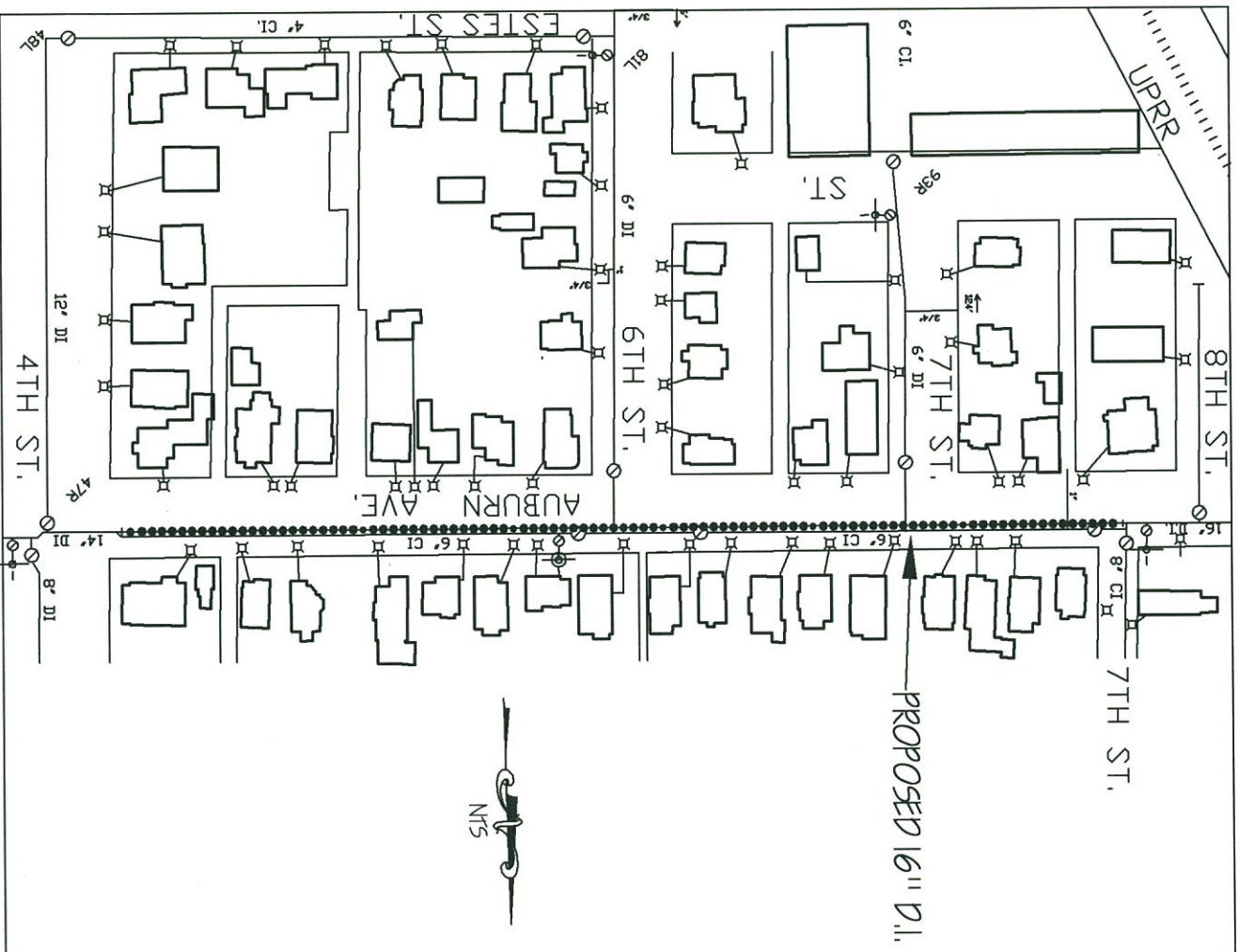
Fiscal YEAR I : 2015 - 2016 ITEM NO. 1

OLD MOUNTAIN LINE REPLACEMENT

Replacing line w/ 20" pvc



2015 -2016
YEAR 1
ITEM NO. 5
AUBURN AVENUE - 4TH TO 7TH
PROPOSED 16" D.I.



Year 2

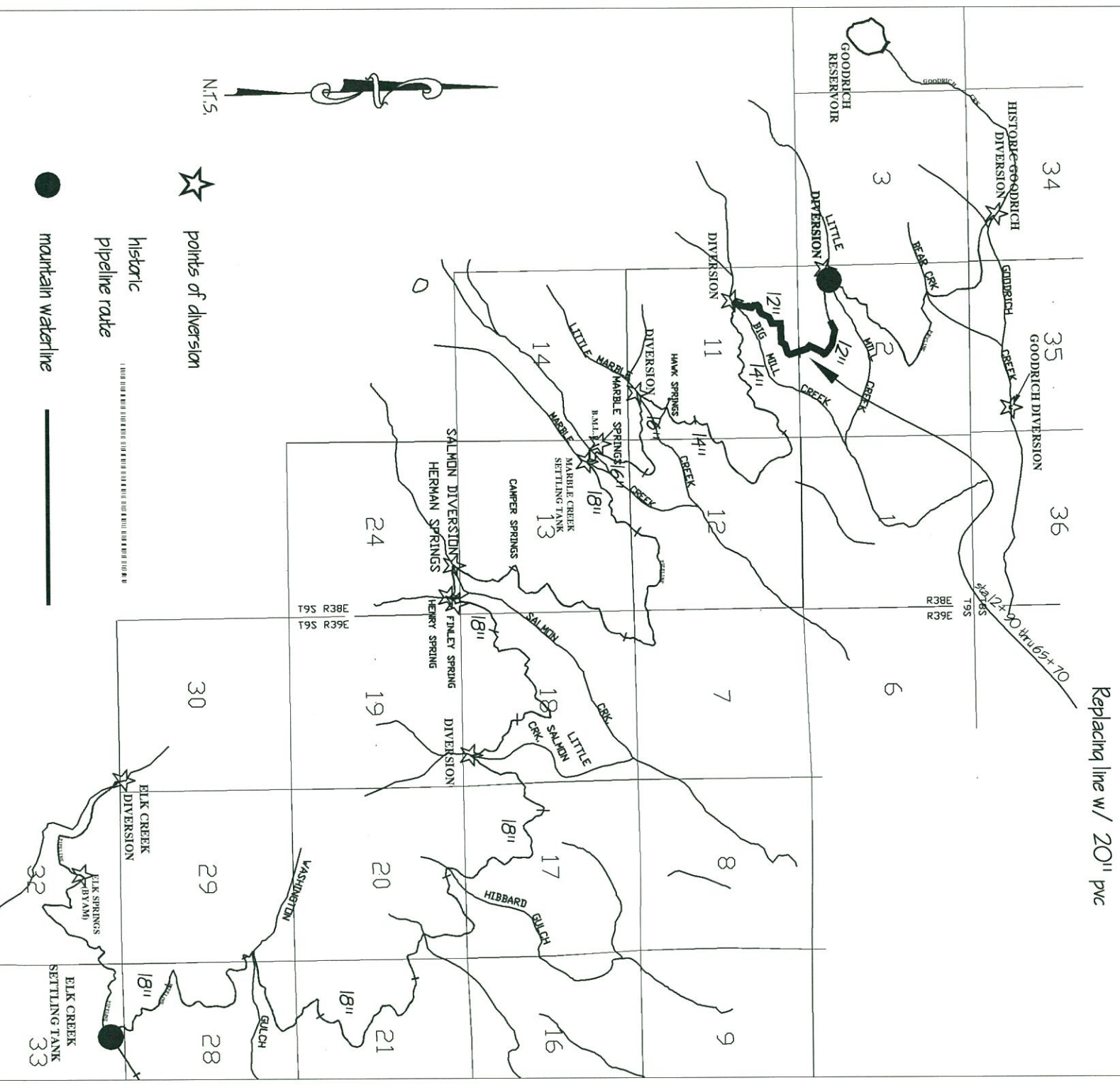
**BAKER CITY PUBLIC WORKS
3 YEAR WATER CAPITAL PLAN
ESTIMATE OF COST
2016-2017 FISCAL YEAR
JULY 1, 2016 - JUNE 30, 2017**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Mountain Line Replacement Sta. 12+90 to Sta. 65+70	3780	Lineal Feet	\$35.00	\$ 132,300.00	20" PVC	Construct 20" dia. PVC pipe. Materials bought in spring of 2009 (labor and equipment only).
2	Replace Hydrants	3	Each	\$6,000.00	\$ 18,000.00	Varies	Replace hydrants as needed.
3	Water Line Extensions	Varies	Lineal Feet	Varies	\$ 10,000.00	Varies	Misc. water line extensions.
4	Water Source Development	Varies	Lump Sum	\$200,000.00	\$ 200,000.00	Varies	Depending on the completed water facilities plan, development of the Court Street well or improvement of existing wells.
5	Acoustic Survey	1	Lump Sum	\$12,000.00	\$ 12,000.00	Varies	Acoustic technology used to determine the areas and severity of corrosion or electrolysis.
6	Broadway (2nd St. to 9th St.) - Water Valve Replacement	2	Each	\$7,500.00	\$ 15,000.00	Varies	Replace broken non-functioning water valves.
7	Cedar Acres Park	1	Each	\$4,000.00	\$ 4,000.00	2"	Install irrigation meter and vault.
SUBTOTAL					\$ 391,300.00		
ENGINEERING					\$39,130.00		
ADMINISTRATIVE CHARGE					\$33,143.11		
TOTAL ESTIMATED COST					\$463,573.11		

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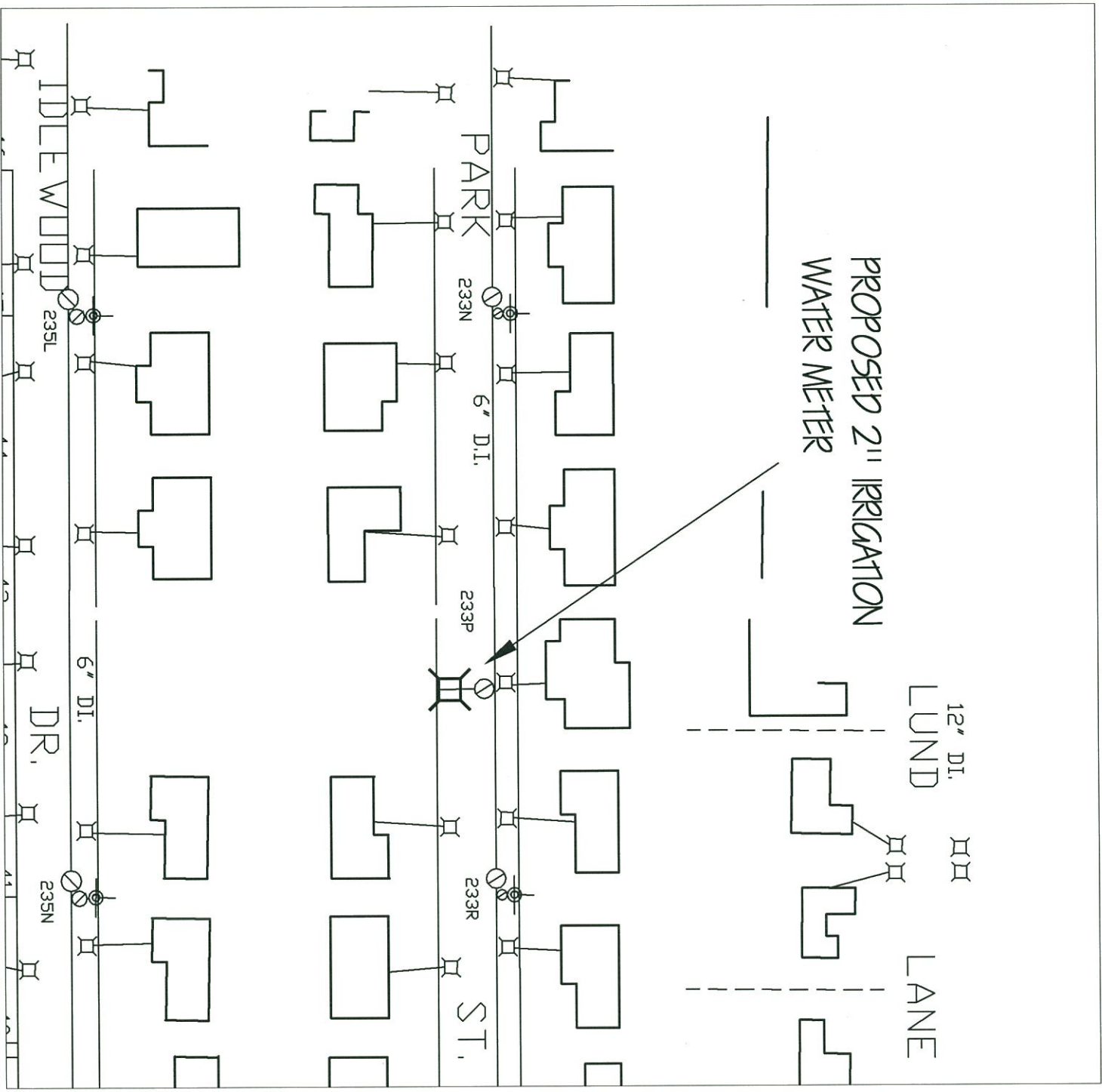
Fiscal YEAR 2 : 2016 - 2017 ITEM NO. 1

OLD MOUNTAIN LINE REPLACEMENT





2016-2017
YEAR 2
ITEM NO. 7
CEDAR ACRES PARK
2" WATER METER



Year 3

**BAKER CITY PUBLIC WORKS
3 YEAR WATER CAPITAL PLAN
ESTIMATE OF COST
2017-2018 FISCAL YEAR
JULY 1, 2017 - JUNE 30, 2018**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Mountain Line Replacement Sta. 992+00 to Sta. 1022+00	3000	Lineal Feet	\$200.00	\$ 600,000.00	20" DI	Purchase and install 20" dia. Pipe (Class 53 DI), fittings and transport to site.
2	Replace Hydrants	3	Each	\$6,000.00	\$ 18,000.00	Varies	Replace hydrants as needed.
3	Water Line Extensions	Varies	Lineal Feet	Varies	\$ 10,000.00	Varies	Misc. water line extensions.
SUBTOTAL					\$ 628,000.00		
ENGINEERING					\$62,800.00		
ADMINISTRATIVE CHARGE					\$53,191.60		
TOTAL ESTIMATED COST					\$743,991.60		

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MOUNTAIN LINE REPLACEMENT



historic

pipeline rate

maintain waterline

100

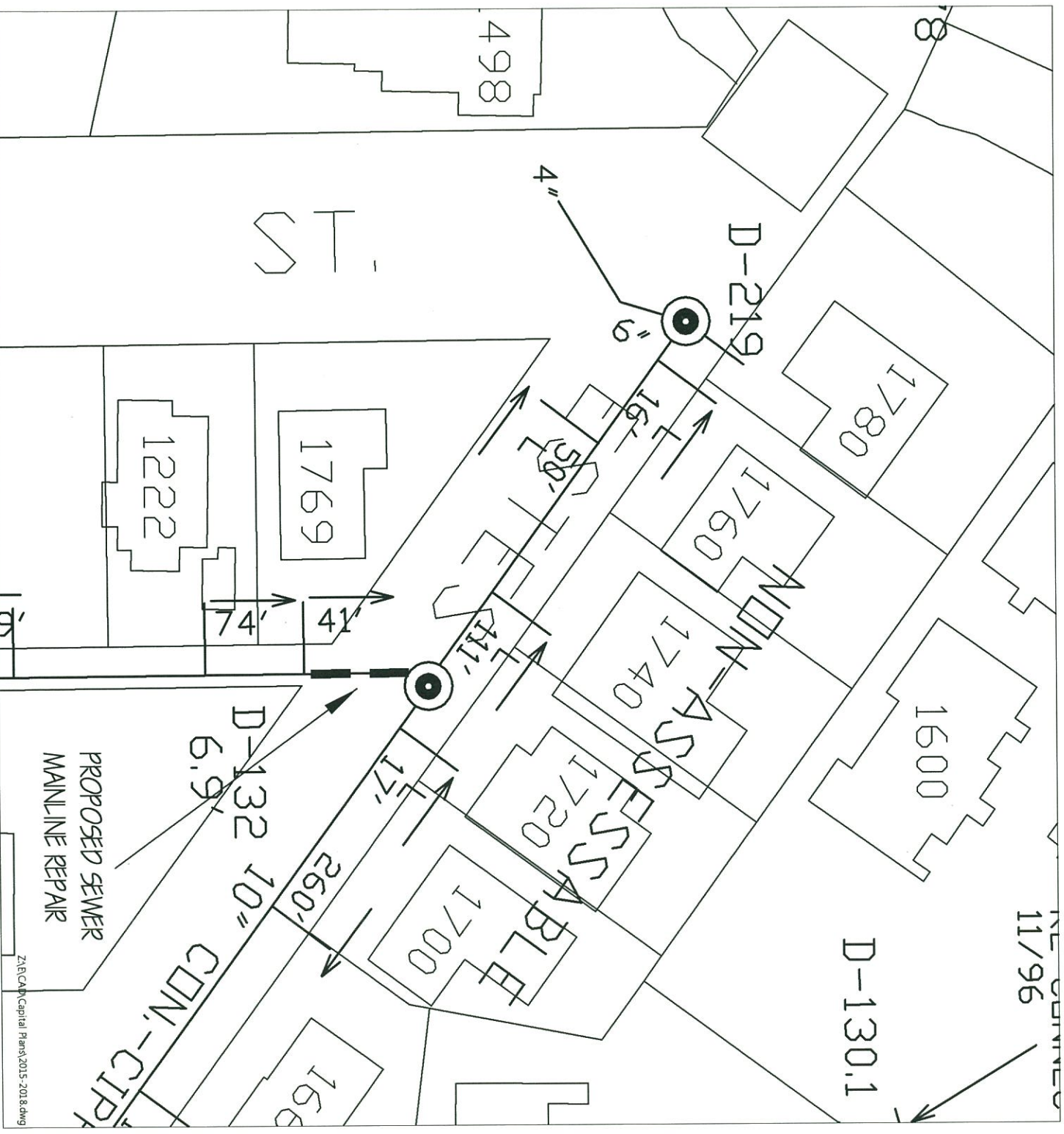
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Current Year Update

**BAKER CITY PUBLIC WORKS
WASTE WATER CAPITAL PLAN
ESTIMATE OF COST
2014-2015 FISCAL YEAR - 2nd Half
JANUARY 1, 2015 - JUNE 30, 2015**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	3rd Street and David Eccles Rd.- Manhole Reconstruction	1	Each	\$5,000.00	\$ 5,000.00	Varies	Reconstruct existing leaking manhole to eliminate infiltration and plugging.
2	Estes Street - Mid Block	1	Lump Sum	\$7,500.00	\$ 7,500.00	8" PVC	Replace/ realign 30' of existing mainline that has settled and sagged, causing main line blockages.
3	Lagoon Phone System	1	Lump Sum	\$8,550.00	\$ 8,550.00	N/A	Upgrade and replace the lagoon phone and alarm system.
4	Engineering Support and Water Quality Testing	N/A	Lump Sum	\$10,000.00	\$ 10,000.00	N/A	Engineering support and water quality testing for effluent disposal options.
SUBTOTAL					\$ 31,050.00		
ENGINEERING					\$3,105.00		
ADMINISTRATIVE CHARGE					\$2,629.94		
TOTAL ESTIMATED COST					\$36,784.94		

Year 2014-2015
CURRENT YEAR
ITEM NO. 2
ESTES STREET
PROPOSED SEWER
MAINLINE REPAIR



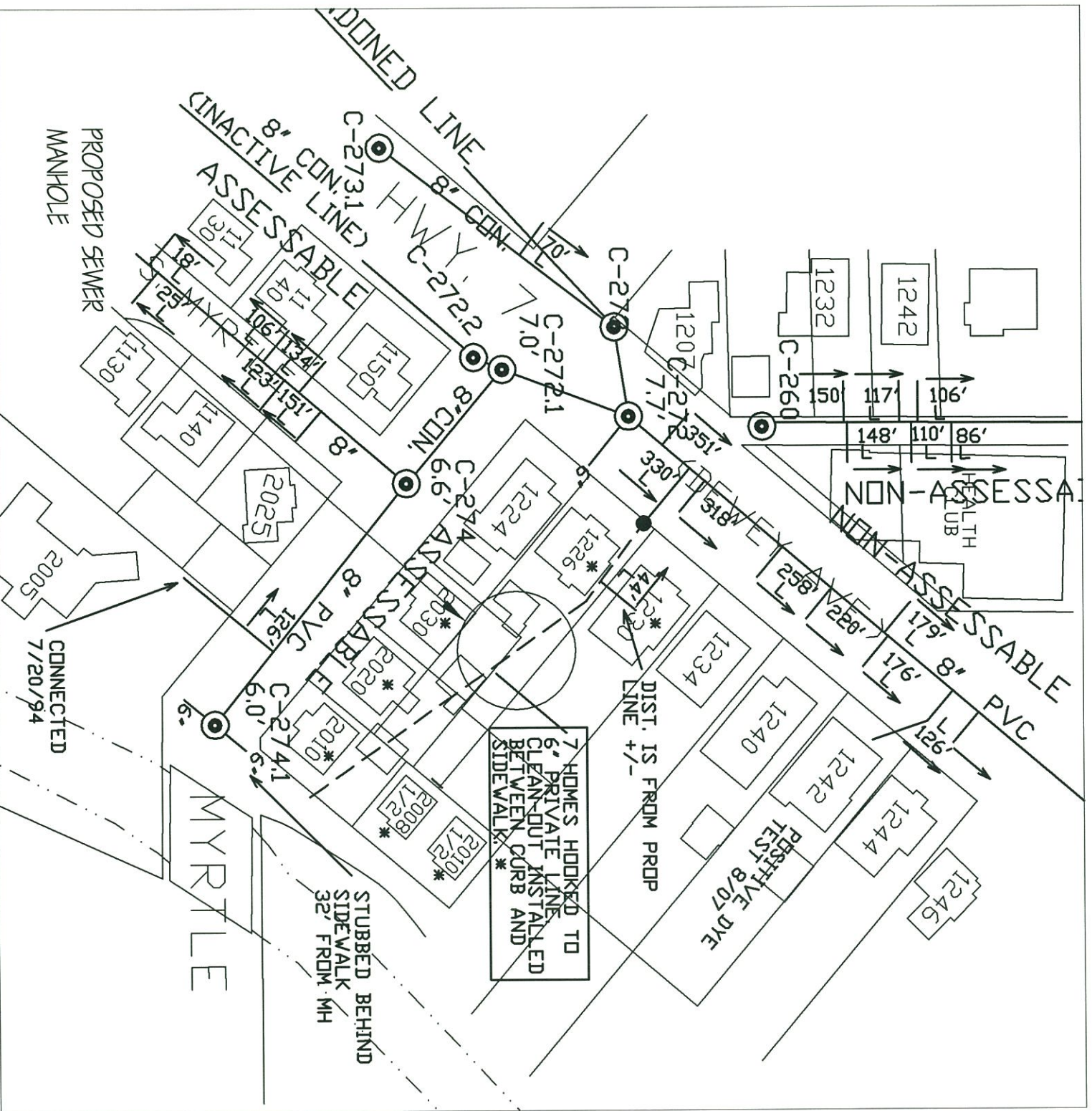
Year 1

**BAKER CITY PUBLIC WORKS
WASTE WATER CAPITAL PLAN
ESTIMATE OF COST
2015-2016 FISCAL YEAR
JULY 1, 2015 - JUNE 30, 2016**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Various Locations	Varies	Lineal Feet	Varies	\$ 150,000.00	Varies	Install CIPP (Cured In Place Pipe) lining to prevent leakage & improve structural & flow characteristics of deteriorating sewage lines.
2	Installing New Manholes - Various Locations	2	Each	\$5,400.00	\$ 10,800.00	N/A	Install 2 new manholes for improved access and maintenance.
3	Auburn Ave. -East of Powder River	1	Lump Sum	\$5,000.00	\$ 5,000.00	8" PVC	Replace/ realign 15' of existing mainline that has settled and sagged, causing main line blockages.
4	Engineering Support and Water Quality Testing	N/A	Lump Sum	\$20,000.00	\$ 20,000.00	N/A	Engineering support and water quality testing for effluent disposal options.
SUBTOTAL					\$ 185,800.00		
ENGINEERING					\$18,580.00		
ADMINISTRATIVE CHARGE					\$15,737.26		
TOTAL ESTIMATED COST					\$220,117.26		

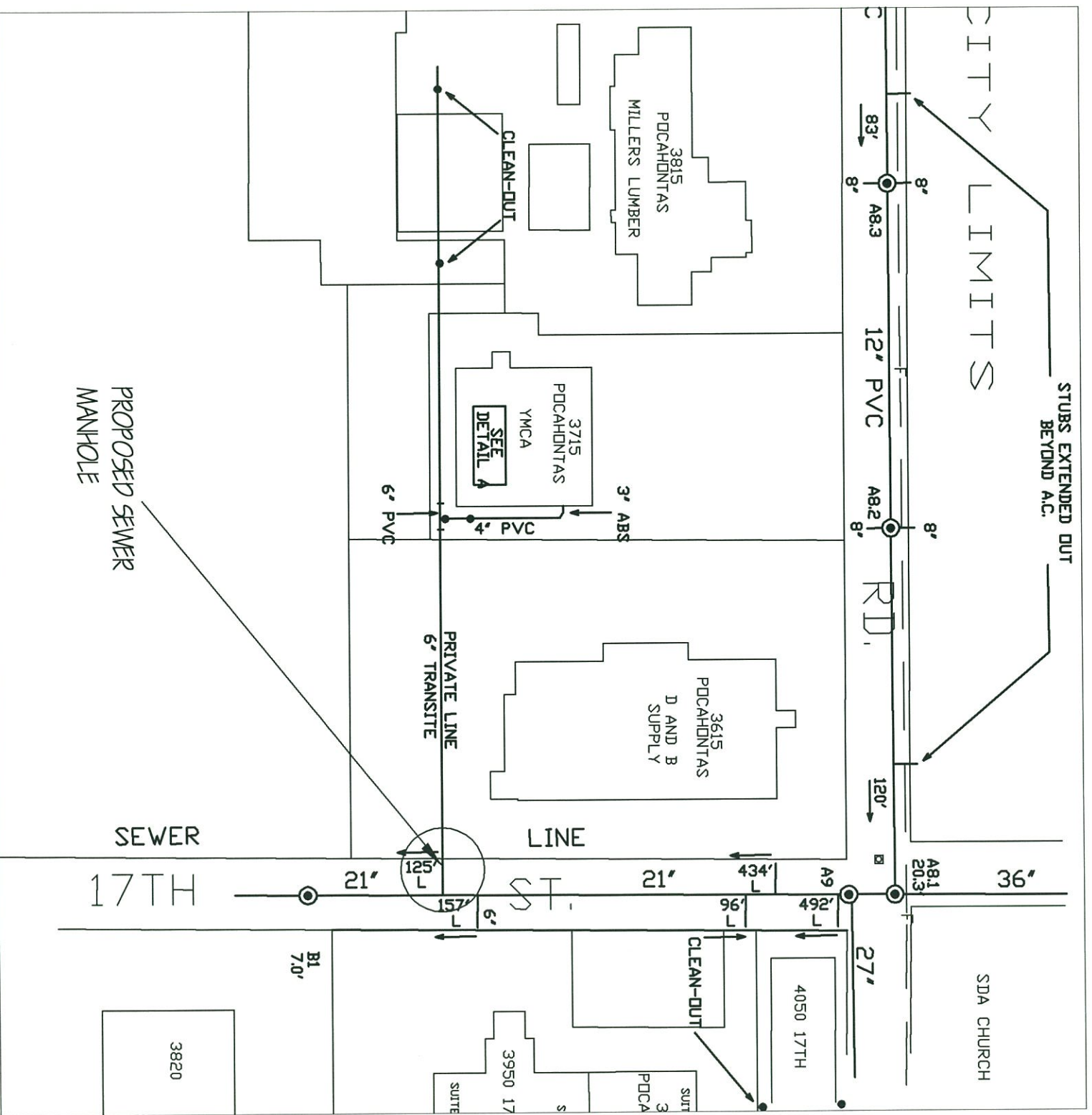


Year 2015-2016
FISCAL YEAR 1
ITEM NO. 2
DEWEY AVE.
PROPOSED SEWER MANHOLE





Year 2015-2016
FISCAL YEAR 1
ITEM NO. 2
17TH STREET
PROPOSED SEWER MANHOLE



Year 2015-2016
FISCAL YEAR 1
ITEM NO. 3
AUBURN AVE.
PROPOSED SEWER MAIN LINE REPAIR

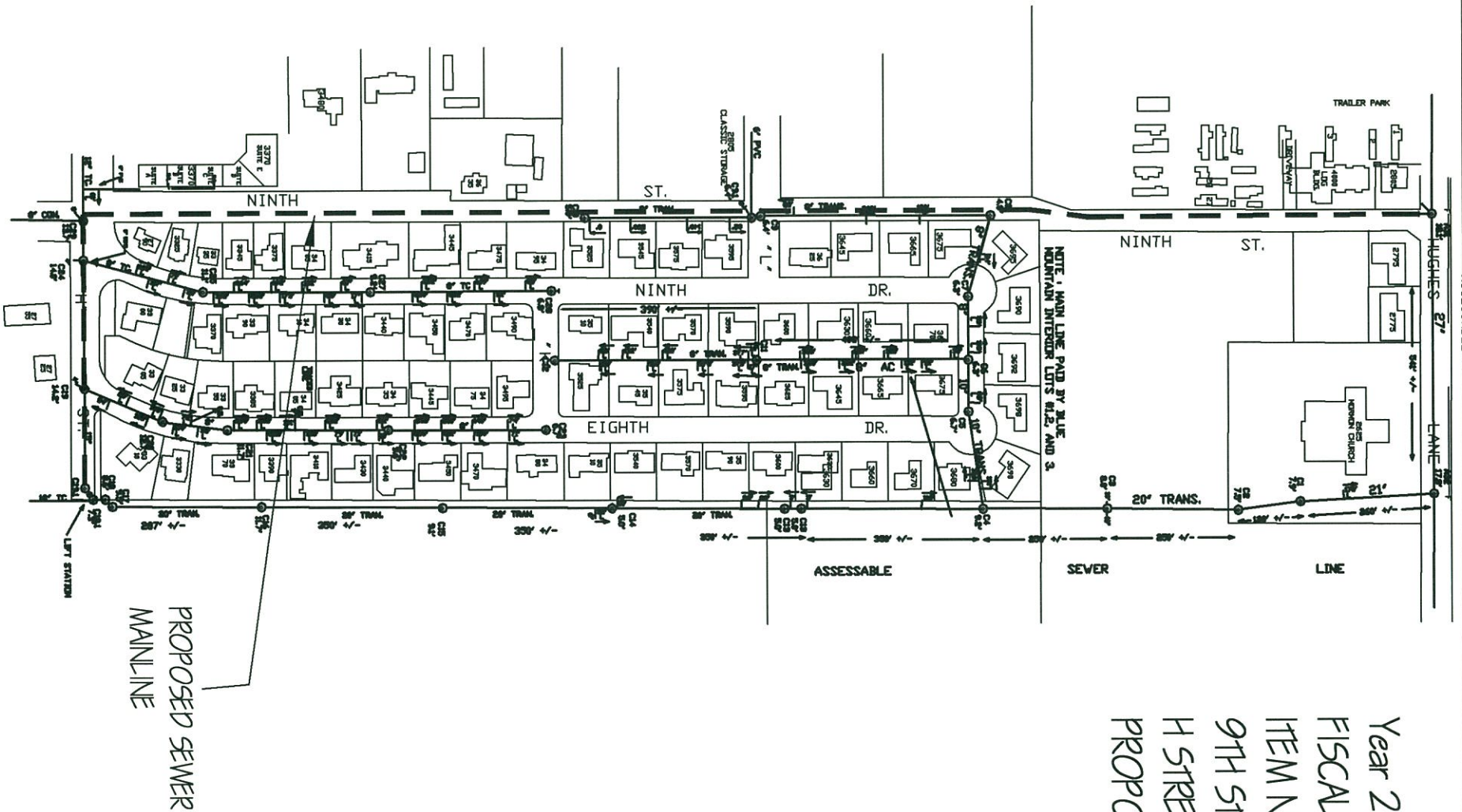


Year 1 - (alternative)

**BAKER CITY PUBLIC WORKS
WASTE WATER CAPITAL PLAN
ESTIMATE OF COST
2015-2016 FISCAL YEAR
JULY 1, 2015 - JUNE 30, 2016**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	9th Street - H Street to Hughes Lane	3115	Lineal Feet	\$100.00	\$ 311,500.00	12"	Install 12" PVC main line to replace failing re-lift station.
2	Installing New Manholes - Various Locations	2	Each	\$5,400.00	\$ 10,800.00	N/A	Install 2 new manholes for improved access and maintenance.
3	Engineering Support and Water Quality Testing	N/A	Lump Sum	\$20,000.00	\$ 20,000.00	N/A	Engineering support and water quality testing for effluent disposal options.
SUBTOTAL					\$ 342,300.00		
ENGINEERING					\$34,230.00		
ADMINISTRATIVE CHARGE					\$28,992.81		
TOTAL ESTIMATED COST					\$405,522.81		

Year 2015-2016
FISCAL YEAR 1 (ALTERNATIVE)
ITEM NO. 1
9TH STREET
H STREET - HUGHES LANE
PROPOSED SEWER MAINLINE



Year 2

**BAKER CITY PUBLIC WORKS
WASTE WATER CAPITAL PLAN
ESTIMATE OF COST
2016-2017 FISCAL YEAR
JULY 1, 2016 - JUNE 30, 2017**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Various Locations	Varies	Lineal Feet	Varies	\$ 150,000.00	Varies	Install CIPP (Cured In Place Pipe) lining to prevent leakage & improve structural & flow characteristics of deteriorating sewage lines.
2	Facility Plan Update	N/A	Lump Sum	\$80,000.00	\$ 80,000.00	N/A	Effluent disposal options study.
3	Engineering Support and Water Quality Testing	N/A	Lump Sum	\$25,000.00	\$ 25,000.00	N/A	Engineering support, water quality testing and permit preparation for effluent disposal options.
SUBTOTAL					\$ 255,000.00		
ENGINEERING					\$25,500.00		
ADMINISTRATIVE CHARGE					\$21,598.50		
TOTAL ESTIMATED COST					\$302,098.50		

Year 3

**BAKER CITY PUBLIC WORKS
WASTE WATER CAPITAL PLAN
ESTIMATE OF COST
2017-2018 FISCAL YEAR
JULY 1, 2017 - JUNE 30, 2018**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Various Locations	Varies	Lineal Feet	Varies	\$ 150,000.00	Varies	Install CIPP (Cured In Place Pipe) lining to prevent leakage & improve structural & flow characteristics of deteriorating sewage lines.
2	Wastewater Treatment Facility	N/A	Lump Sum	\$50,000.00	\$ 50,000.00	N/A	Design improvements for effluent disposal based on findings from Facility Plan Update.
SUBTOTAL					\$ 200,000.00		
ENGINEERING					\$20,000.00		
ADMINISTRATIVE CHARGE					\$16,940.00		
TOTAL ESTIMATED COST					\$236,940.00		

Current Year Update

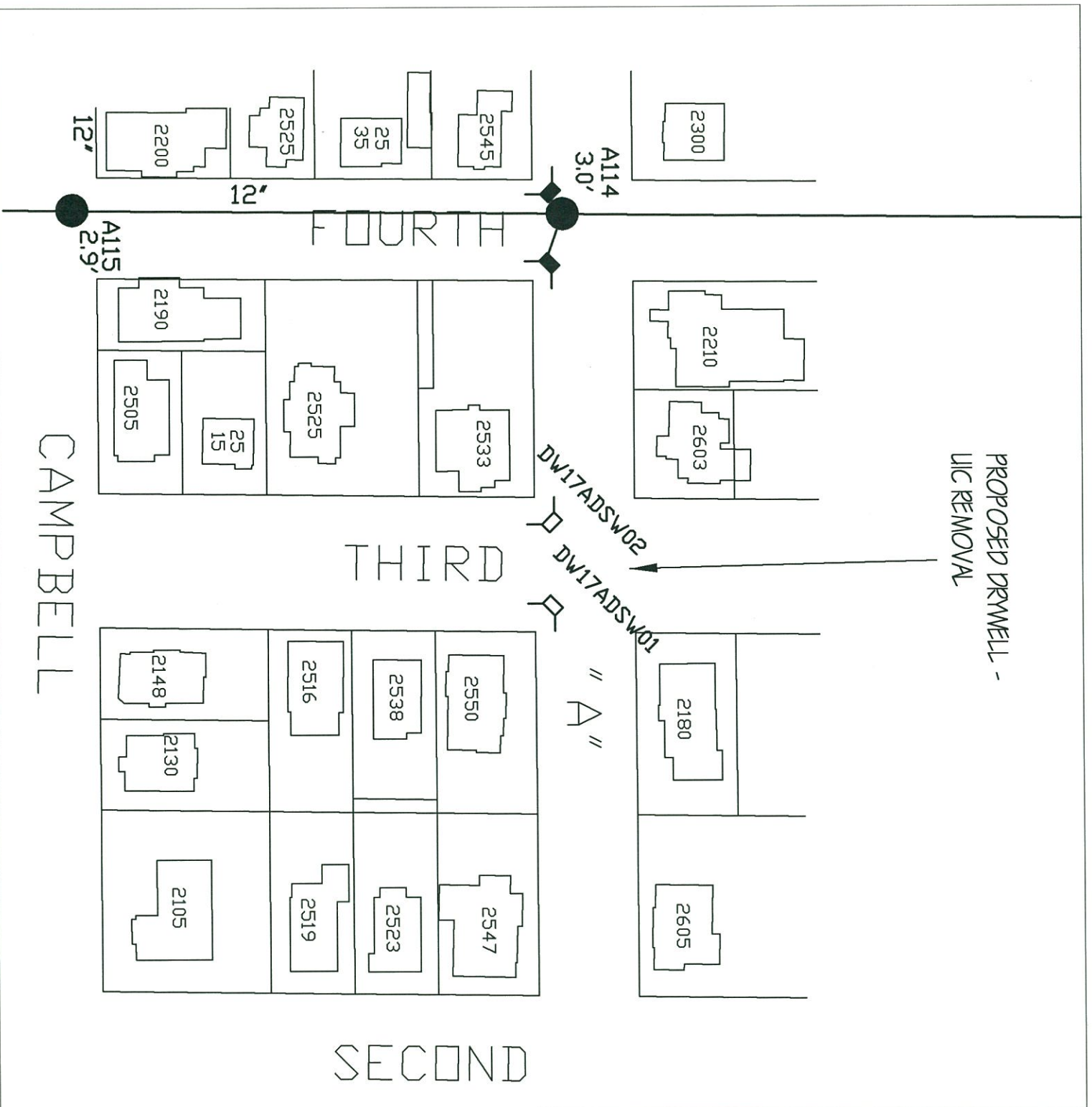
**BAKER CITY PUBLIC WORKS
3 YEAR STORM WATER CAPITAL PLAN
ESTIMATE OF COST
2014-2015 FISCAL YEAR - 2nd Half
JANUARY 1, 2015 - JUNE 30, 2015**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Third Street and 'A' Street	Lump Sum	N/A	\$ 2,300.00	\$ 2,300.00	Varies	Eliminate Underground Injection storm water wells.
2	Valley Street and Fifth Street	Lump Sum	N/A	\$ 1,500.00	\$ 1,500.00	Varies	Eliminate Underground Injection storm water wells.
3	Pear Street and Auburn Street	1	Lump Sum	\$ 7,400.00	\$ 7,400.00	N/A	Construct 7'x9'x7' concrete sediment vault for excess runoff from adjacent property.
4	Washington Street and 9th Street - Catch Basin Installation	Lump	Lump Sum	\$ 3,000.00	\$ 3,000.00	N/A	Install new catch basin to improve drainage.
5	Broadway Avenue - 8th Street to 10th Street	509	LF	Lump Sum	\$ 1,500.00	15"	Clean and video inspect storm mainline to determine where repairs and lining are needed.
SUBTOTAL					\$ 15,700.00		
ENGINEERING					\$1,570.00		
ADMINISTRATIVE CHARGE					\$1,329.79		
TOTAL ESTIMATED COST					\$18,599.79		

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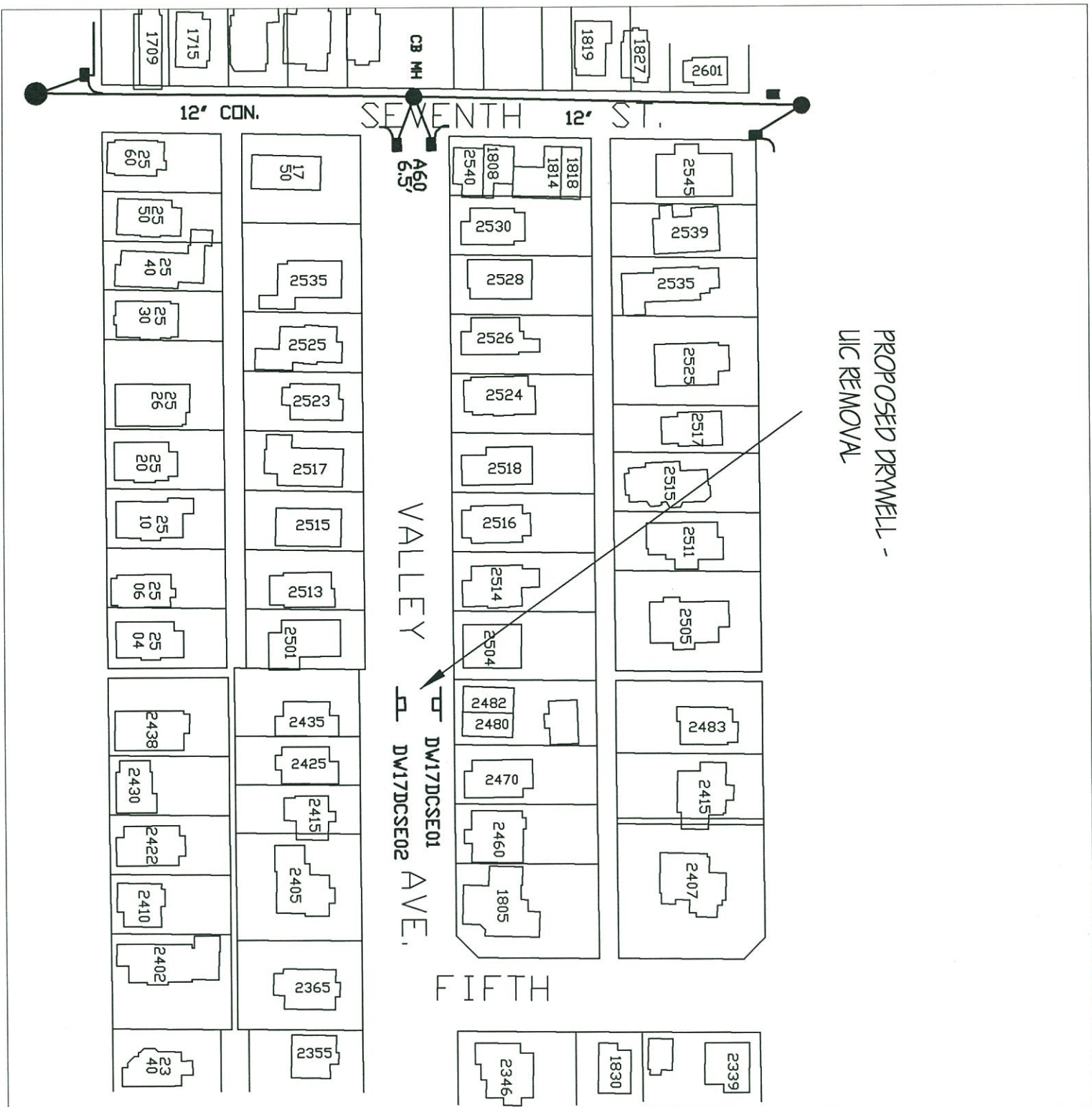
Year 2014-2015
CURRENT YEAR
ITEM NO. 1
3RD STREET AND 'A' STREET
PROPOSED DRYWELL / LIC REMOVAL





Year 2014-2015
CURRENT YEAR!
ITEM NO. 2
VALLEY - 5TH STREET
PROPOSED STORM DRYWELL / LIC REMOVAL

PROPOSED DRYWELL -
LIC REMOVAL



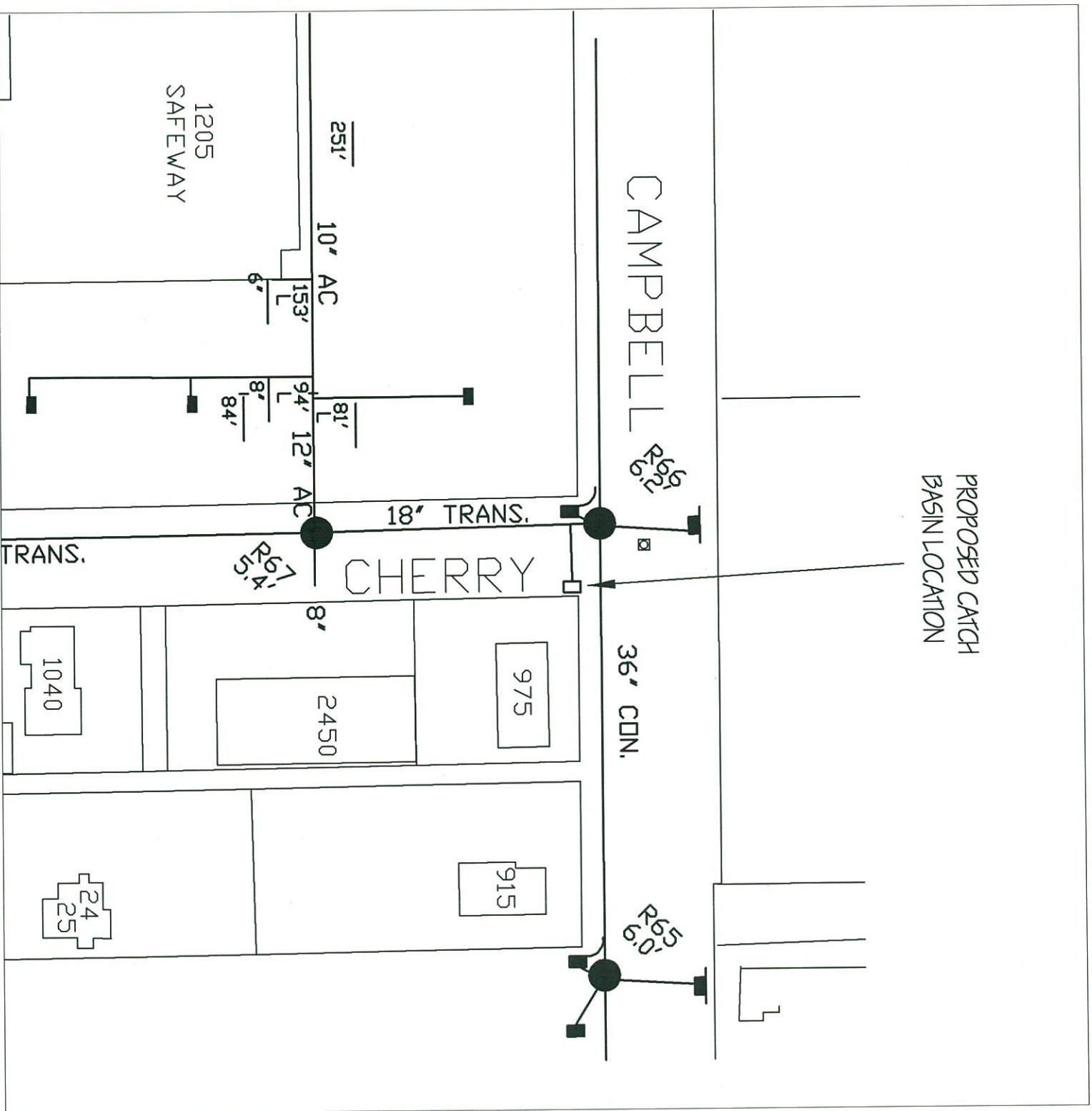
Year 1

**BAKER CITY PUBLIC WORKS
3 YEAR STORM WATER CAPITAL PLAN
ESTIMATE OF COST
2015-2016 FISCAL YEAR
JULY 1, 2015 - JUNE 30, 2016**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Campbell Street and Cherry Street- Catch Basin Installation	Lump	Lump Sum	\$ 6,500.00	\$ 6,500.00	N/A	Install new catch basin to improve drainage.
2	Broadway Avenue - 3rd Street to 4th Street	300	Lineal Feet	\$ 52.00	\$ 15,600.00	15"	Install CIPP (Cured In Place Pipe) lining to prevent leakage & improve structural & flow characteristics of deteriorating storm lines.
3	TV Inspection of Storm Mainlines	Lump	Lump Sum	\$ 5,000.00	\$ 5,000.00	Varies	Inspect condition of existing storm mainlines.
SUBTOTAL					\$ 27,100.00		
ENGINEERING					\$2,710.00		
ADMINISTRATIVE CHARGE					\$2,295.37		
TOTAL ESTIMATED COST					\$32,105.37		

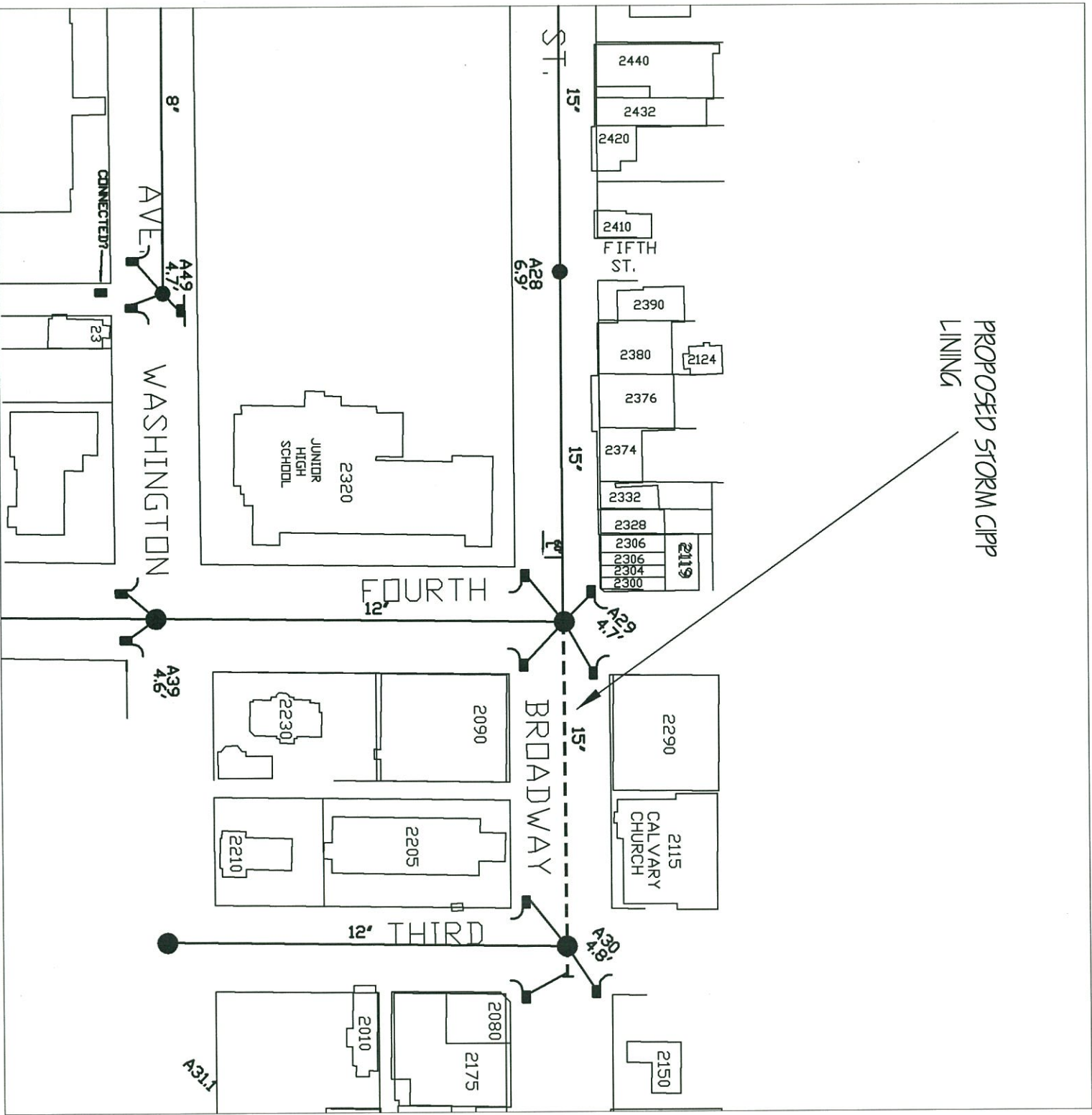
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Year 2015-2016	FISCAL YEAR	ITEM NO.	CHERRY STREET - CAMPBELL STREET	PROPOSED STORM CATCH BASIN
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Year 2015-2016
FISCAL YEAR 1
ITEM NO. 2
BROADWAY - 3RD STREET TO 4TH STREET
PROPOSED STORM CLPP LINING



Year 2

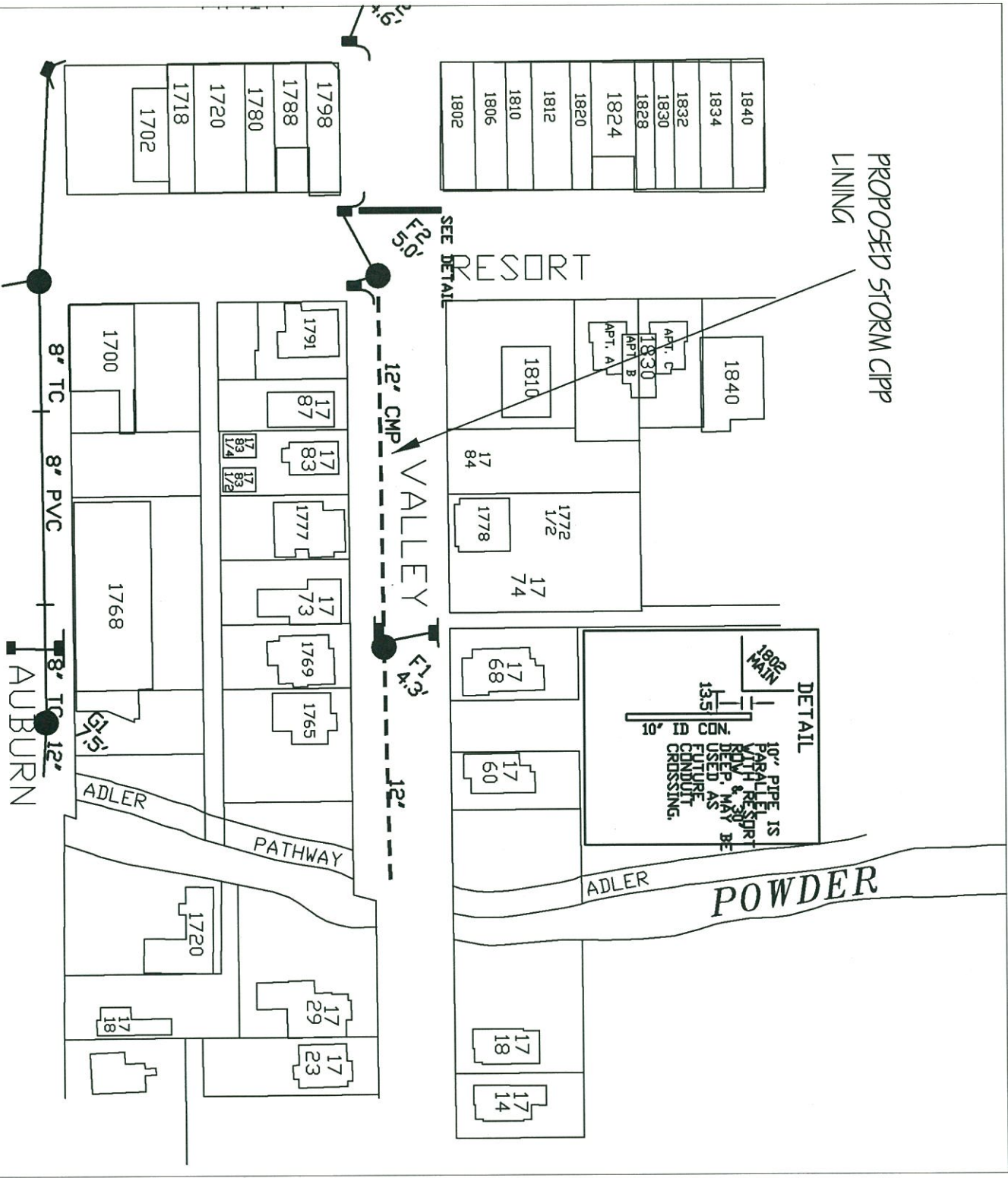
**BAKER CITY PUBLIC WORKS
3 YEAR STORM WATER CAPITAL PLAN
ESTIMATE OF COST
2016-2017 FISCAL YEAR
JULY 1, 2016 - JUNE 30, 2017**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Underground Injection Wells	Lump	N/A	\$ 10,000.00	\$ 10,000.00	Varies	Eliminate various underground injection wells.
2	Valley Street - Resort Street to Powder River	480	Lineal Feet	\$ 31.50	\$ 15,120.00	12"	Install CIPP (Cured In Place Pipe) lining to prevent leakage & improve structural & flow characteristics of deteriorating storm lines.
3	15th Street - Catch Basin Installation	Lump	Lump Sum	\$ 3,000.00	\$ 3,000.00	N/A	Install new catch basin to improve drainage.
4	TV Inspection of Storm Mainlines	Lump	Lump Sum	\$ 5,000.00	\$ 5,000.00	Varies	Inspect condition of existing storm mainlines.
SUBTOTAL					\$ 33,120.00		
ENGINEERING					\$3,312.00		
ADMINISTRATIVE CHARGE					\$2,805.26		
TOTAL ESTIMATED COST					\$39,237.26		

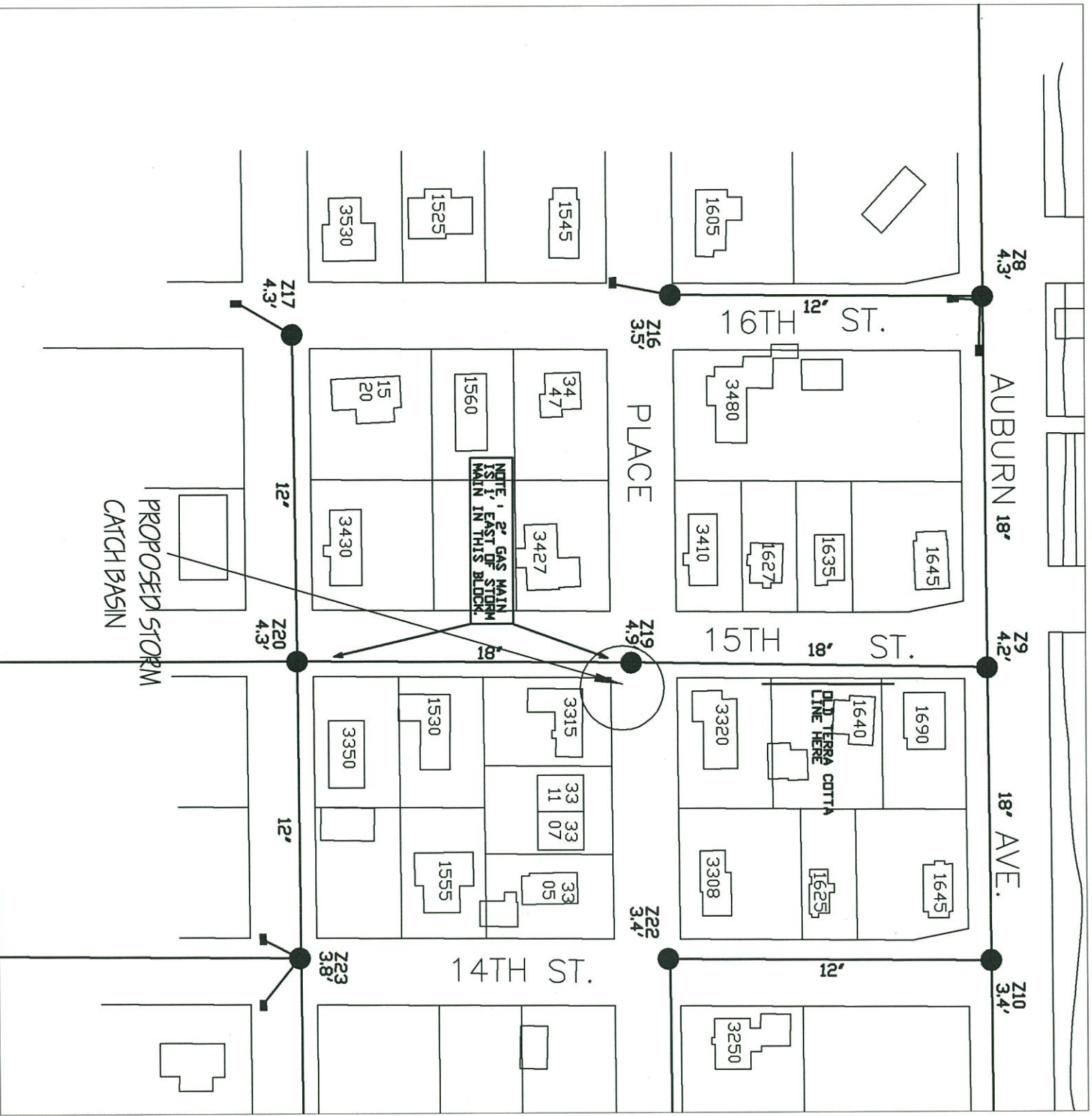
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Year 2016-2017
FISCAL YEAR 2
ITEM NO. 2
VALLEY STREET - RESORT STREET TO RIVER
PROPOSED STORM CIPP LINING



Year 2016-2017
 FISCAL YEAR 2
 ITEM NO. 3
 15TH STREET
 PROPOSED STORM CATCH BASIN



Year 3

**BAKER CITY PUBLIC WORKS
3 YEAR STORM WATER CAPITAL PLAN
ESTIMATE OF COST
2017-2018 FISCAL YEAR
JULY 1, 2017 - JUNE 30, 2018**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Underground Injection Wells	Lump	N/A	\$ 10,000.00	\$ 10,000.00	Varies	Eliminate various underground injection wells.
2	Locations to be Determined	500	Lineal Feet	\$ 52.00	\$ 26,000.00	Varies	Install CIPP (Cured In Place Pipe) lining to prevent leakage & improve structural & flow characteristics of deteriorating storm lines.
3	TV Inspection of Storm Mainlines	Lump	Lump Sum	\$ 5,000.00	\$ 5,000.00	Varies	Inspect condition of existing storm mainlines.
SUBTOTAL					\$ 41,000.00		
ENGINEERING					\$4,100.00		
ADMINISTRATIVE CHARGE					\$3,472.70		
TOTAL ESTIMATED COST					\$48,572.70		

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Baker City Public Works Department

1655 1st Street

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Baker City, OR 97814

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www.bakercity.com/departments/public-works-dept

