

# Capital Plan

2013 to 2014



Baker City  
Public Works Department

February 2013

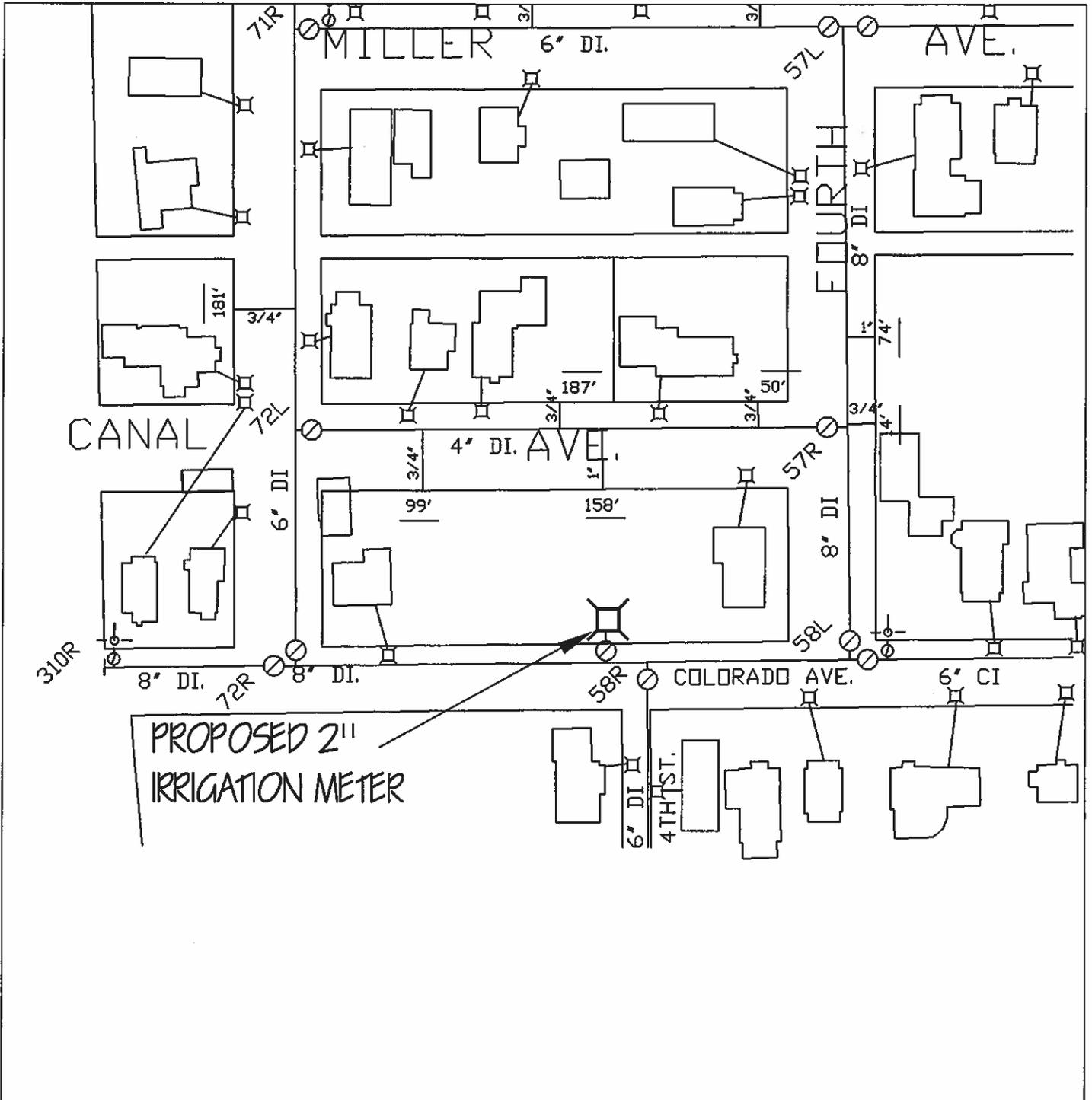
Current Year Update

**BAKER CITY PUBLIC WORKS  
3 YEAR WATER CAPITAL PLAN  
ESTIMATE OF COST  
2012-2013 FISCAL YEAR - 2nd Half  
JANUARY 1, 2013 - JUNE 30, 2013**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Elk Creek Settling Tank Building Replacement	1	Lump Sum	\$15,000.00	\$ 15,000.00	N/A	Replace old wood / metal building structure with CMU building to improve security.
2	Resort Street (Auburn to Campbell) Water Service Upgrades for Street Reconstruction Project	3	Each	\$2,400.00	\$ 7,200.00	Varies	Replacement of water services along both sides of Resort Street, including asphalt trench patching. This work is being done in preparation for Resort Street reconstruction.
3	South Baker Park	1	Each	\$4,000.00	\$ 4,000.00	2"	Install irrigation meter and vault.
4	River Park Drive	1	Each	\$964.00	\$ 964.00	1"	Install irrigation meter and vault.
5	N. 3rd Street	1	Each	\$964.00	\$ 964.00	3/4"	Install irrigation meter and vault.
6	Reservoir UV Treatment Plant	1	Lump Sum	\$125,000.00	\$ 125,000.00	N/A	Pre-design/management and equipment deposit.
7	Water Management and Conservation Plan Update	N/A	Lump Sum	\$5,000.00	\$ 5,000.00	N/A	5 year update to our plan as required by Oregon Water Resources Department.
8	Mountain Line Environmental Assessment	N/A	Lump Sum	\$25,000.00	\$ 25,000.00	N/A	Environmental assessment of the mountain line replacement project as required by Forest Service.
<b>SUBTOTAL</b>					<b>\$ 183,128.00</b>		
<b>ENGINEERING</b>					<b>\$ 18,312.80</b>		
<b>ADMINISTRATIVE CHARGE</b>					<b>\$ 17,122.47</b>		
<b>TOTAL ESTIMATED COST</b>					<b>\$ 218,563.27</b>		

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

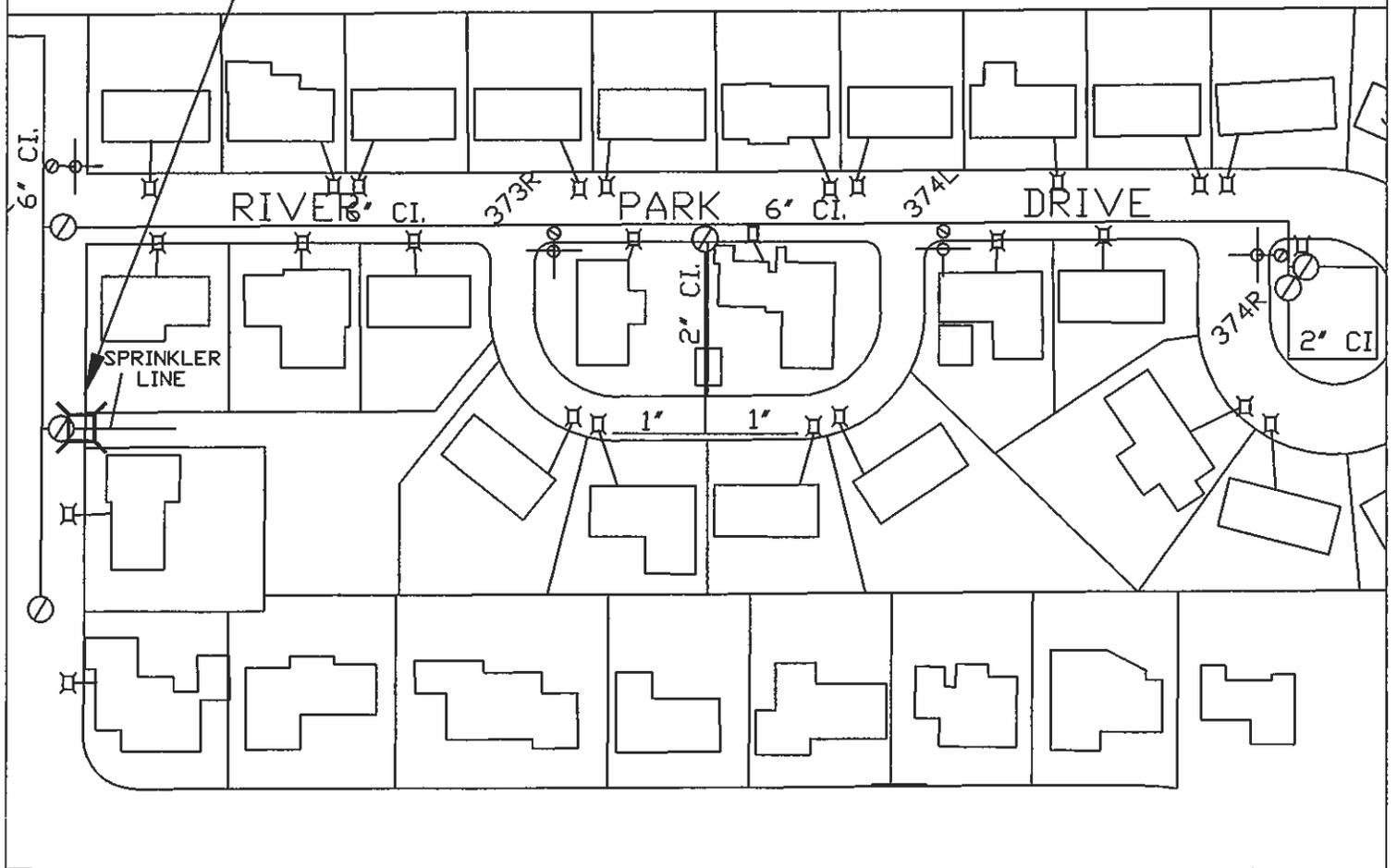
2012-2013  
CURRENT YEAR  
ITEM NO. 3  
SOUTH BAKER PARK  
2" IRRIGATION METER



2012-2013  
CURRENT YEAR  
ITEM NO. 4  
RIVER PARK PARK  
1" WATER METER



PROPOSED 1"  
WATER METER





Year 1

**BAKER CITY PUBLIC WORKS  
3 YEAR WATER CAPITAL PLAN  
ESTIMATE OF COST  
2013-2014 FISCAL YEAR  
JULY 1, 2013 - JUNE 30, 2014**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Mountain Line Environmental Assessment	1	Lump Sum	\$100,000.00	\$ 100,000.00	N/A	Environmental assessment of the mountain line replacement project as required by Forest Service.
2	Auburn Ave. (4th St. to 7th St.)	1080	Lineal Feet	\$125.00	\$ 135,000.00	16" DI	Grid Enhancement - Replace sub-standard line.
3	Broadway (2nd St. to 9th St.) - Water Valve Replacement	5	Each	\$7,500.00	\$ 37,500.00	Varies	Replace broken non-functioning water valves.
4	Indiana Ave. from Scenic Vista to Water Treatment Lab and House	295	Lineal Feet	\$88.00	\$ 25,960.00	8" DI	Install 8" DI waterline from Scenic Vista to water treatment lab and house.
5	Place St. (11th St. to 13th St.)	570	Lineal Feet	\$68.00	\$ 38,760.00	8" DI	Grid Enhancement - Replace sub-standard service line and circulation.
6	'H' St. (East Campbell North)	750	Lineal Feet	\$18.14	\$ 13,605.00	2" Pex	Install 2" Pex water line to replace failing galvanized supply line.
7	Acoustic Survey	1	Lump Sum	\$10,978.00	\$ 10,978.00	Varies	Acoustic technology used to determine the areas and severity of corrosion or electrolysis.
8	Replace Hydrants	5	Each	\$3,500.00	\$ 17,500.00	Varies	Replace outdated undersized hydrants.
9	Water Line Extensions	Varies	Lineal Feet	Varies	\$ 20,000.00	Varies	Misc. water line extensions.
10	Geiser Grand Hotel	1	Each	\$11,350.00	\$ 11,350.00	3"	Install 3" water service and meter for hotel.
11	Post Office Square	1	Each	\$1,186.50	\$ 1,186.50	1"	Install irrigation meter.
12	Leo Adler Ball Field	1	Each	\$1,500.00	\$ 1,500.00	2"	Install irrigation meter (downsize from 4" to 2" contingent on sprinkler system demand).
13	Cedar Acres Park	1	Each	\$4,000.00	\$ 4,000.00	2"	Install irrigation meter and vault.
14	City Warehouse	1	Each	\$910.00	\$ 910.00	1"	Install meter.
15	City Yard	1	Each	\$4,000.00	\$ 4,000.00	2"	Install meter and vault for wash rack.
16	Sam-O-Swim Center	1	Each	\$7,387.00	\$ 7,387.00	4"	Install meter and vault.
17	Sam-O-Skate Park	1	Each	\$964.00	\$ 964.00	1"	Install meter.
18	Reservoir UV Treatment Plant	N/A	Lump Sum	\$230,000.00	\$ 230,000.00	N/A	Final design and bidding.
19	Mountain Line Replacement Sta. 12+90 to 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).
<b>SUBTOTAL</b>					<b>\$ 713,100.50</b>		
<b>ENGINEERING</b>					<b>\$ 71,310.05</b>		
<b>ADMINISTRATIVE CHARGE</b>					<b>\$ 66,674.90</b>		
<b>TOTAL ESTIMATED COST</b>					<b>\$ 851,085.45</b>		

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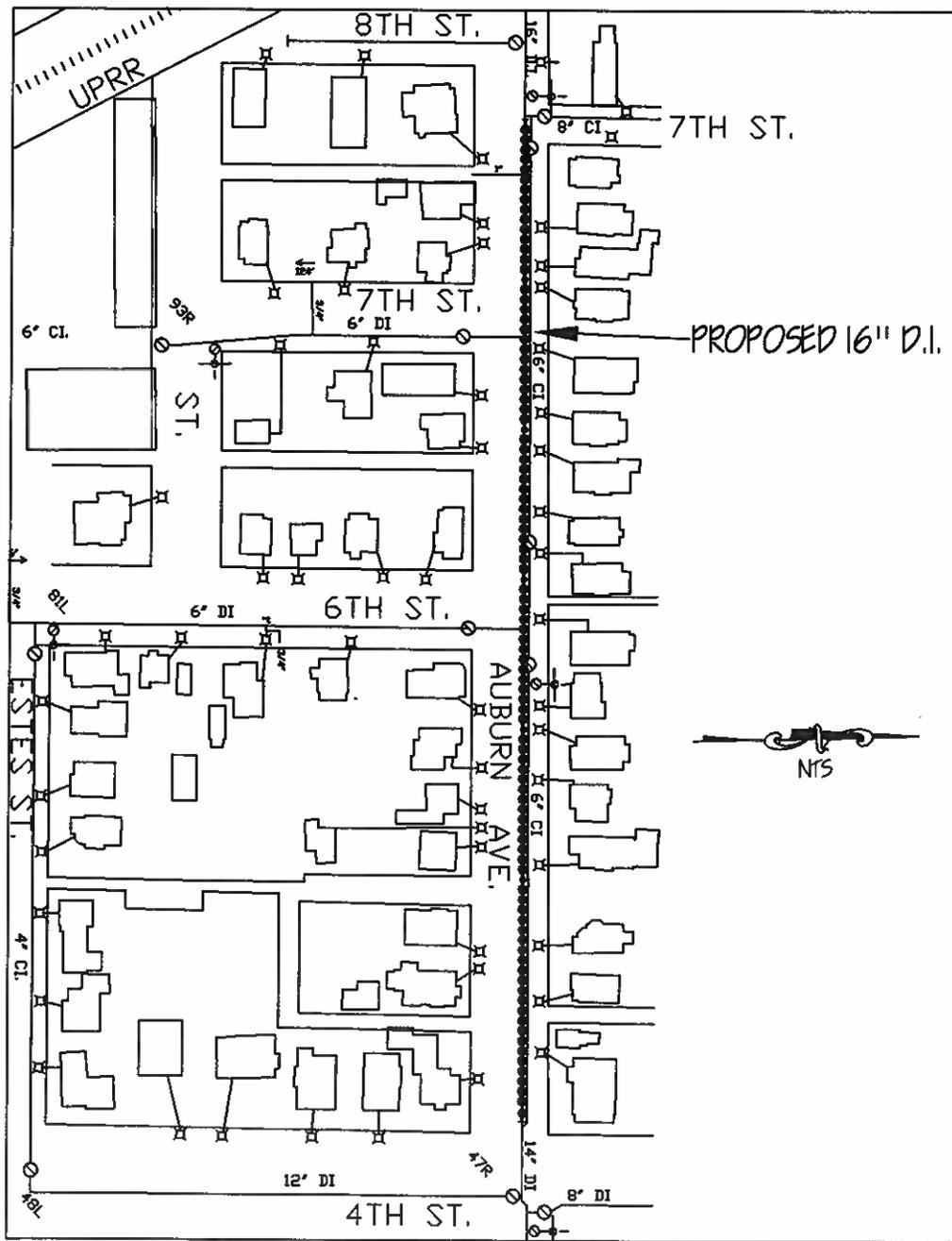
2013-2014

YEAR 1

ITEM NO. 2

AUBURN AVENUE - 4TH TO 7TH

PROPOSED 16" D.I.

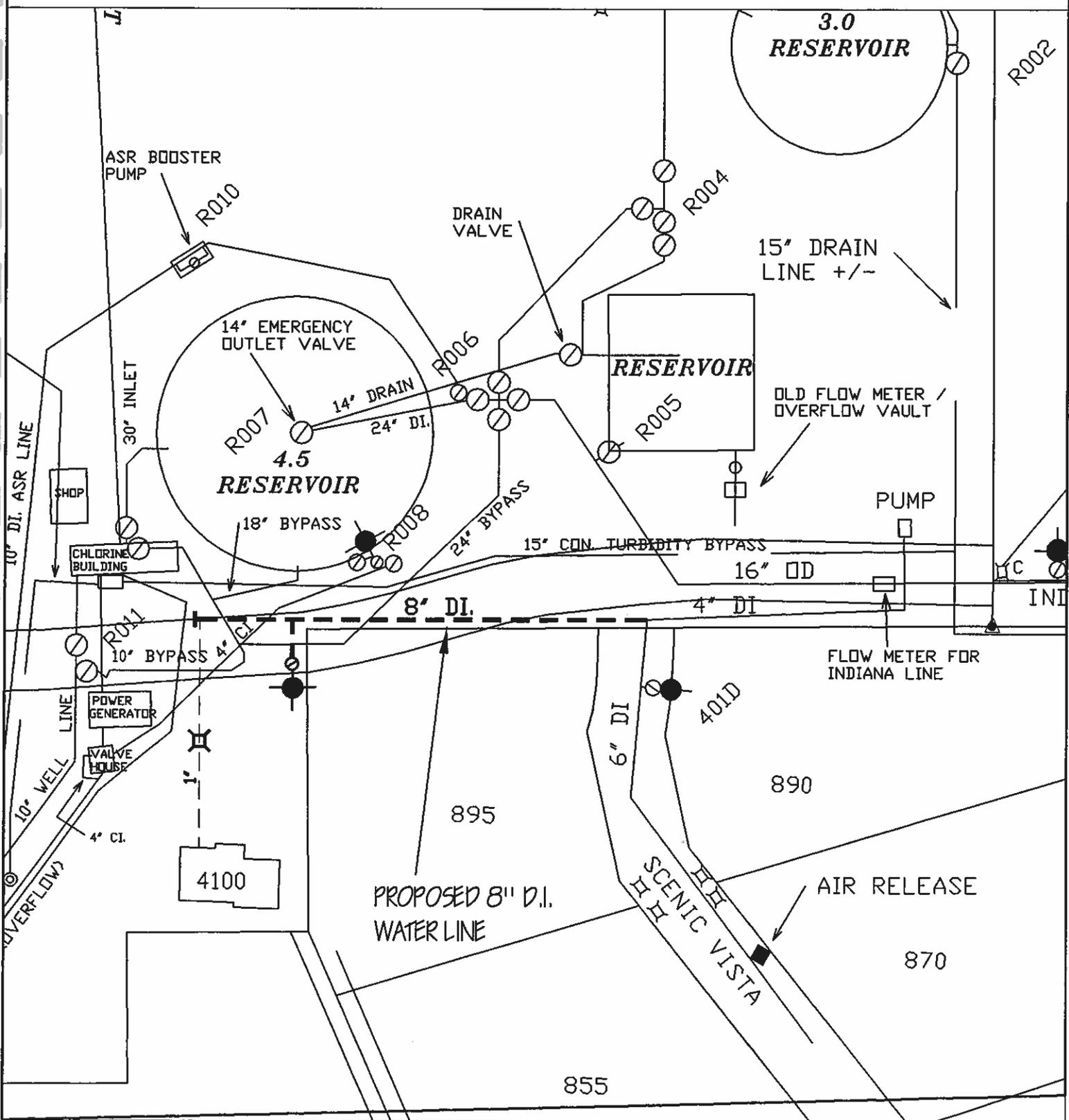


2013-2014

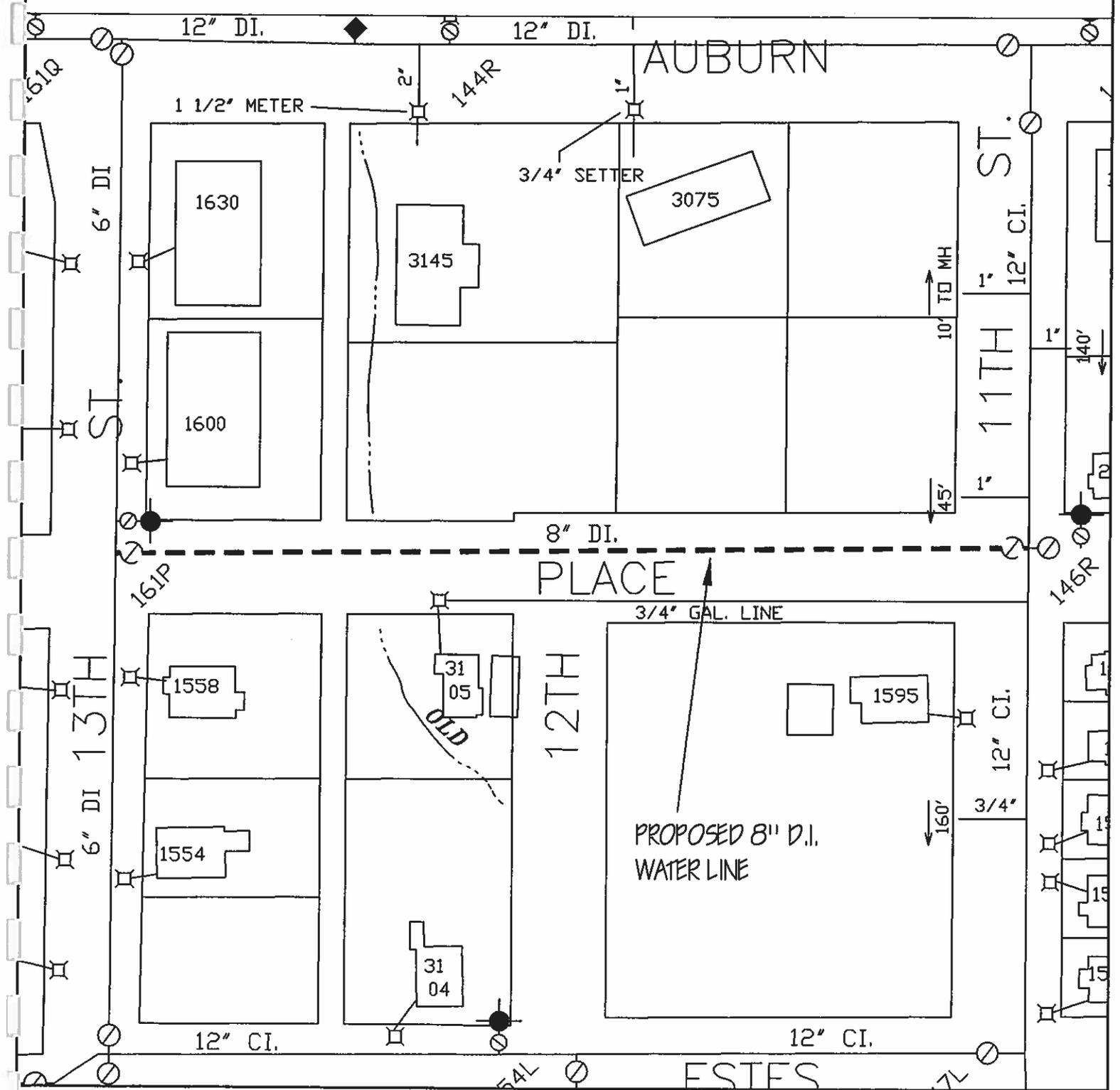
FISCAL YEAR 1

ITEM NO. 4

8" WATER MAIN FOR RESERVOIR CARETAKER HOUSE / LAB

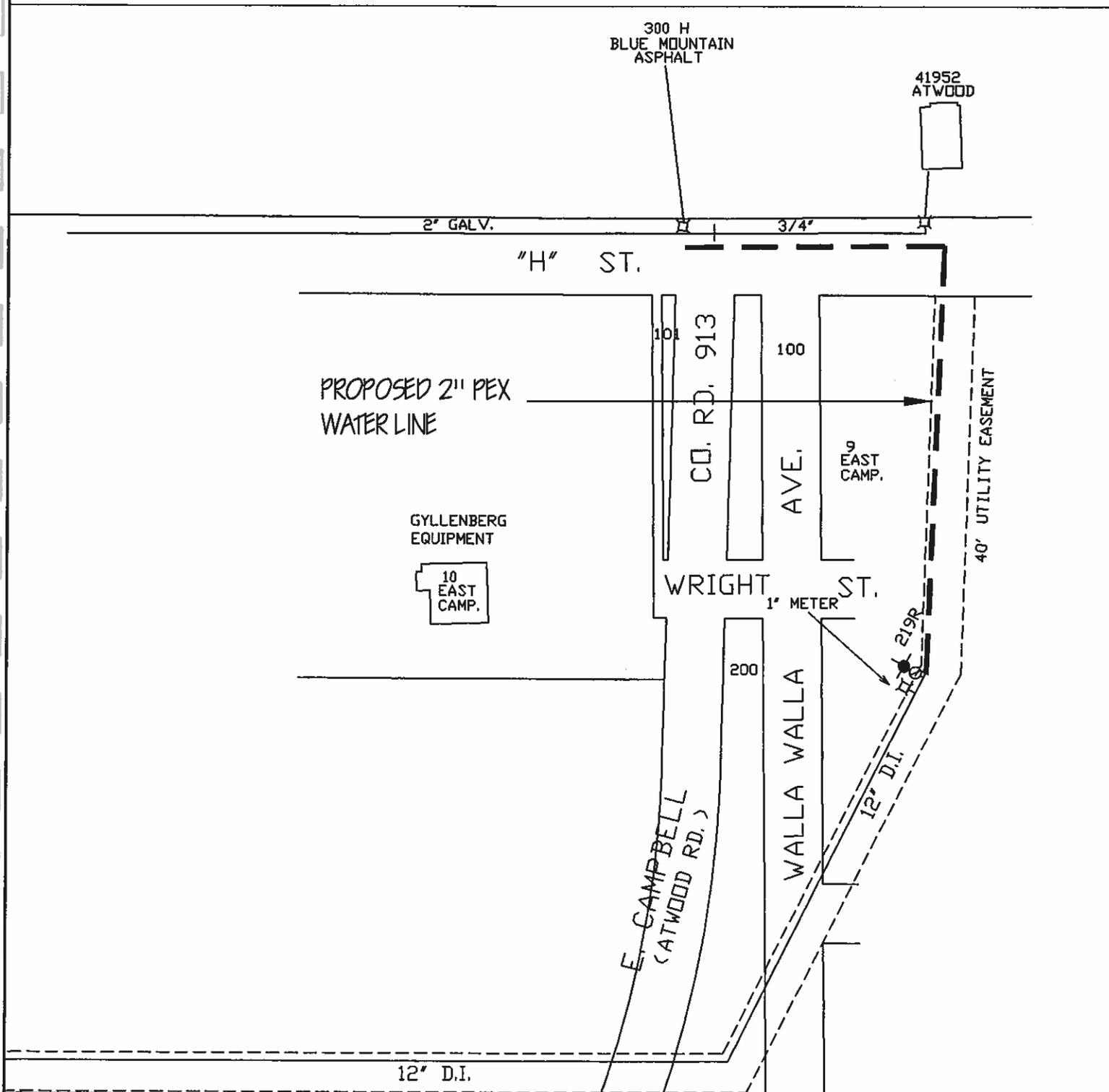


2013-2014  
FISCAL YEAR I  
ITEM NO. 5  
PLACE ST. - 11TH TO 13TH  
8" WATER MAIN





2013-2014  
FISCAL YEAR I  
ITEM NO. 6  
'H' ST. - EAST CAMPBELL  
2" WATER LINE

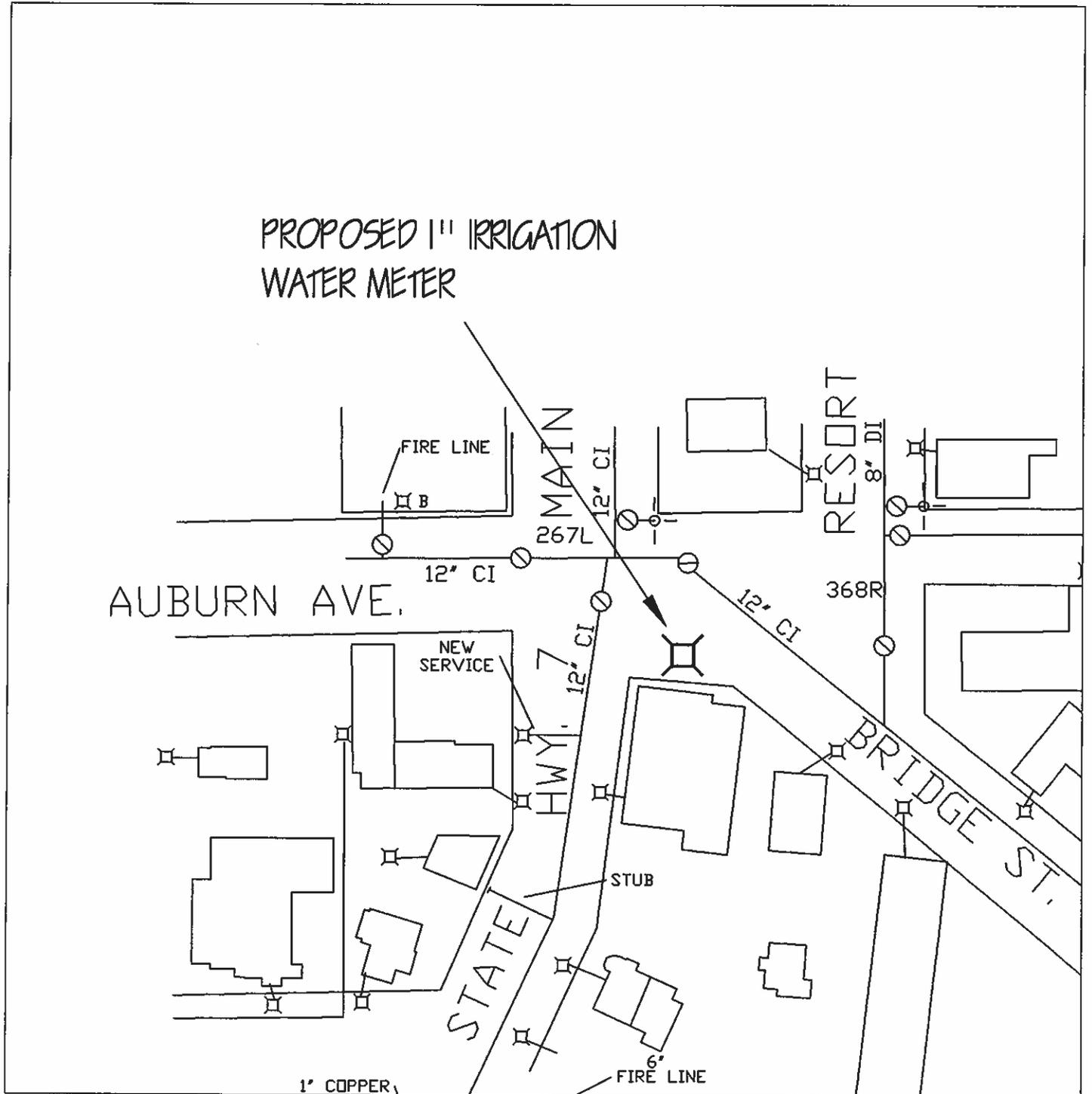




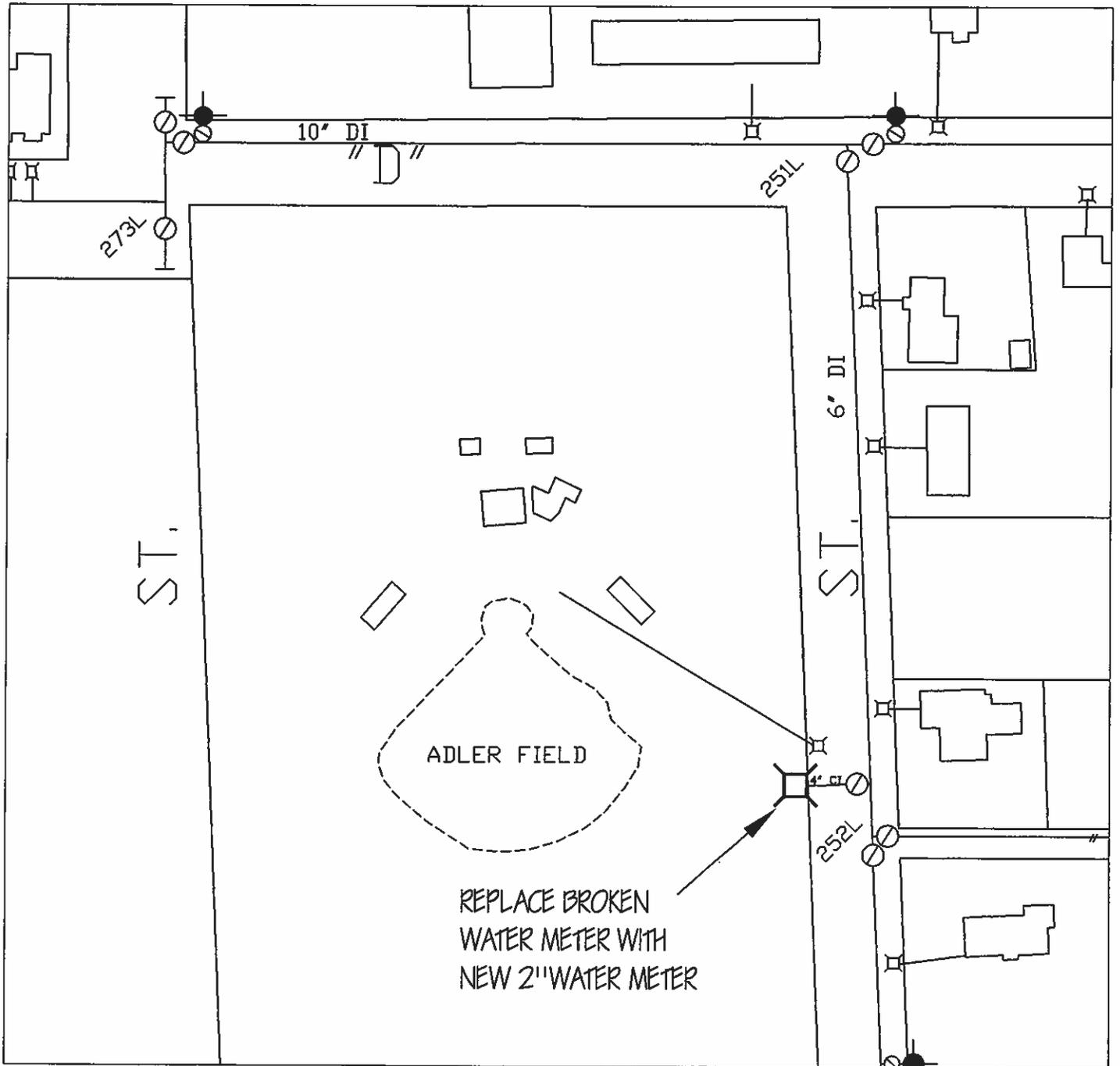
2013-2014  
YEAR I  
ITEM NO. II  
POST OFFICE SQUARE  
1" WATER METER



PROPOSED 1" IRRIGATION  
WATER METER

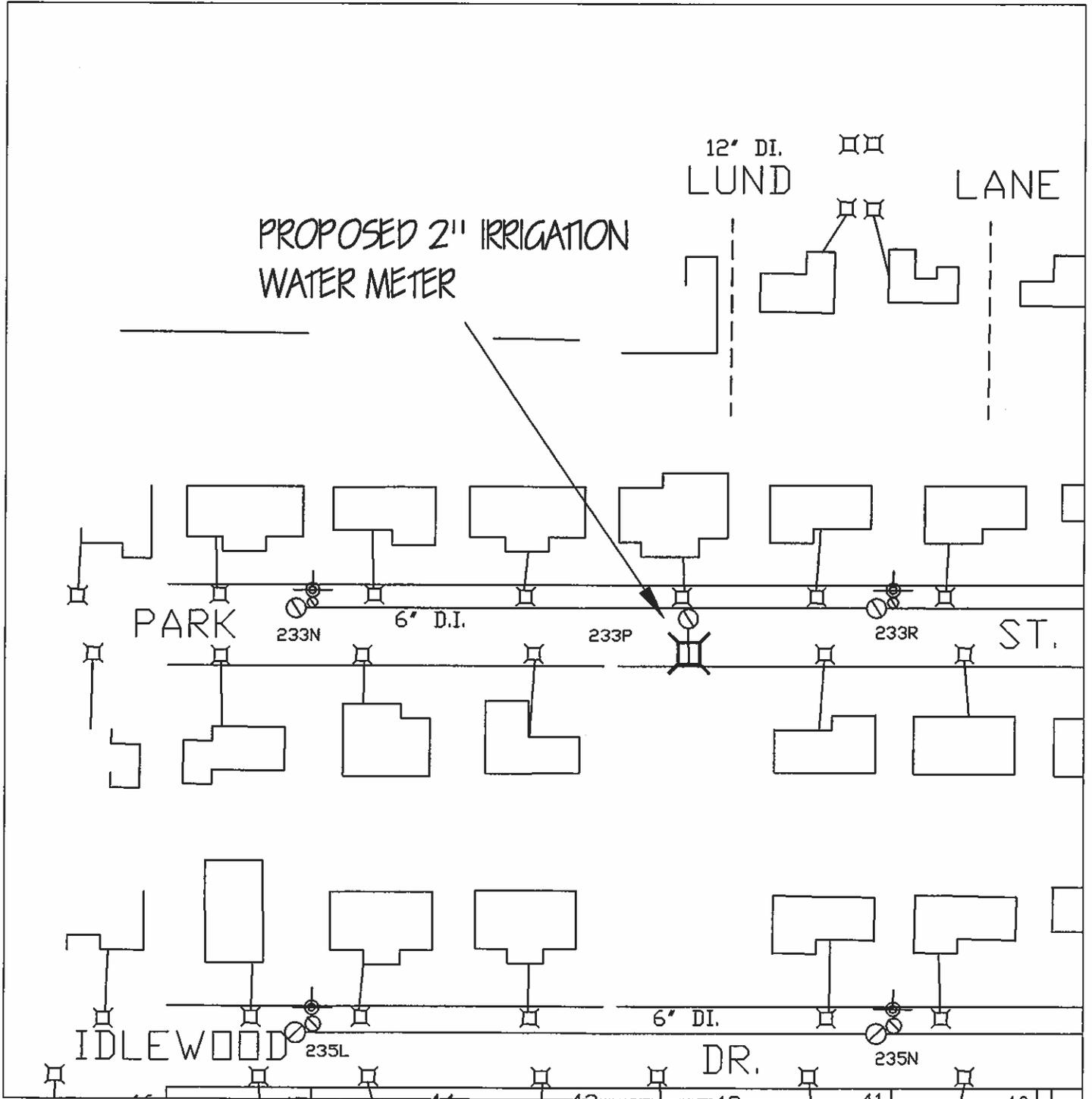


2013-2014  
YEAR 1  
ITEM NO. 12  
LEO ADLER FIELD  
2" IRRIGATION METER

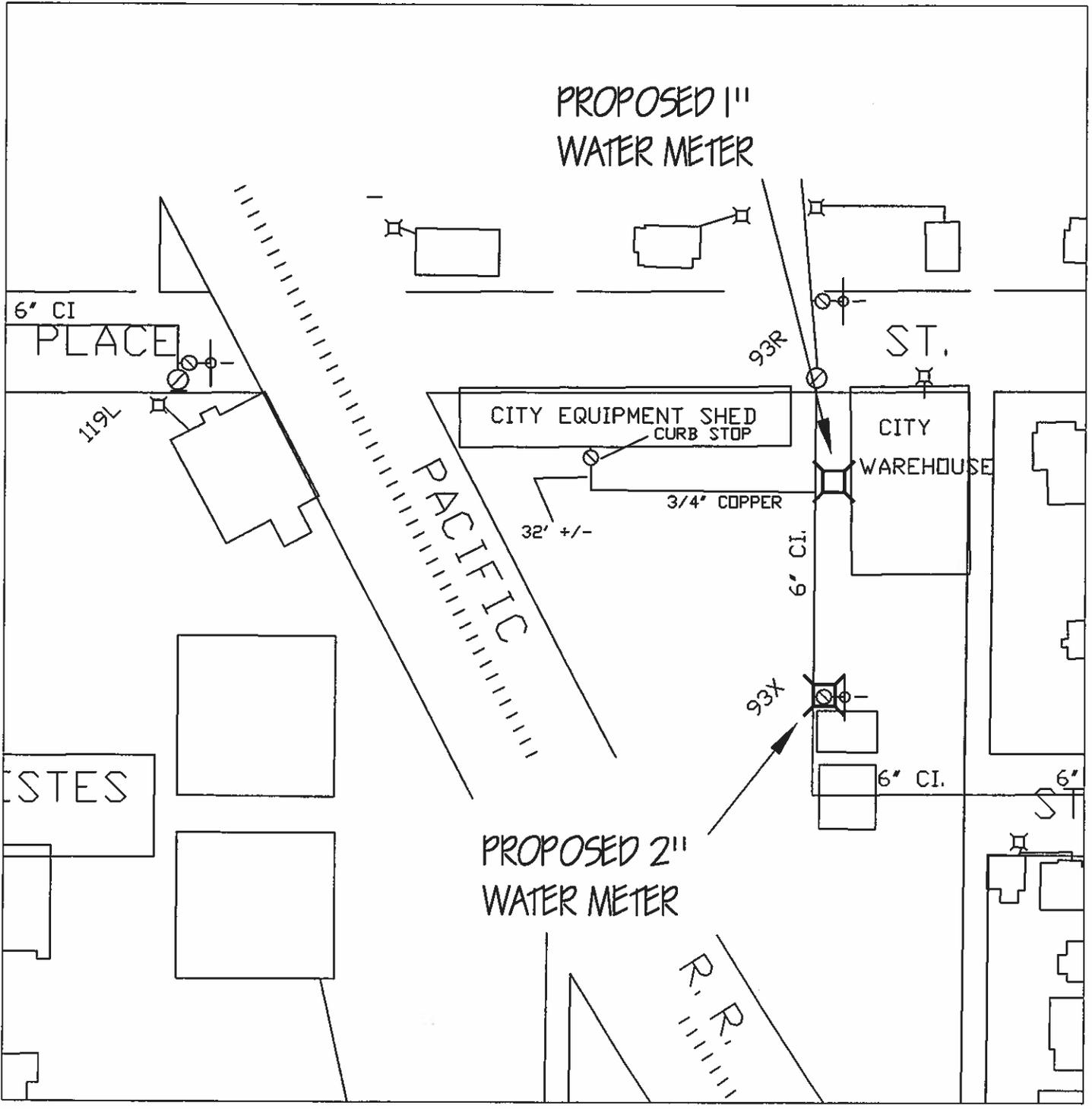


REPLACE BROKEN  
WATER METER WITH  
NEW 2" WATER METER

2013-2014  
YEAR 1  
ITEM NO. 13  
CEDAR ACRES PARK  
2" WATER METER



2013-2014  
YEAR 1  
ITEM NO. 14 & 15  
CITY YARD  
1" WATER METER  
2" WATER METER



2013-2014

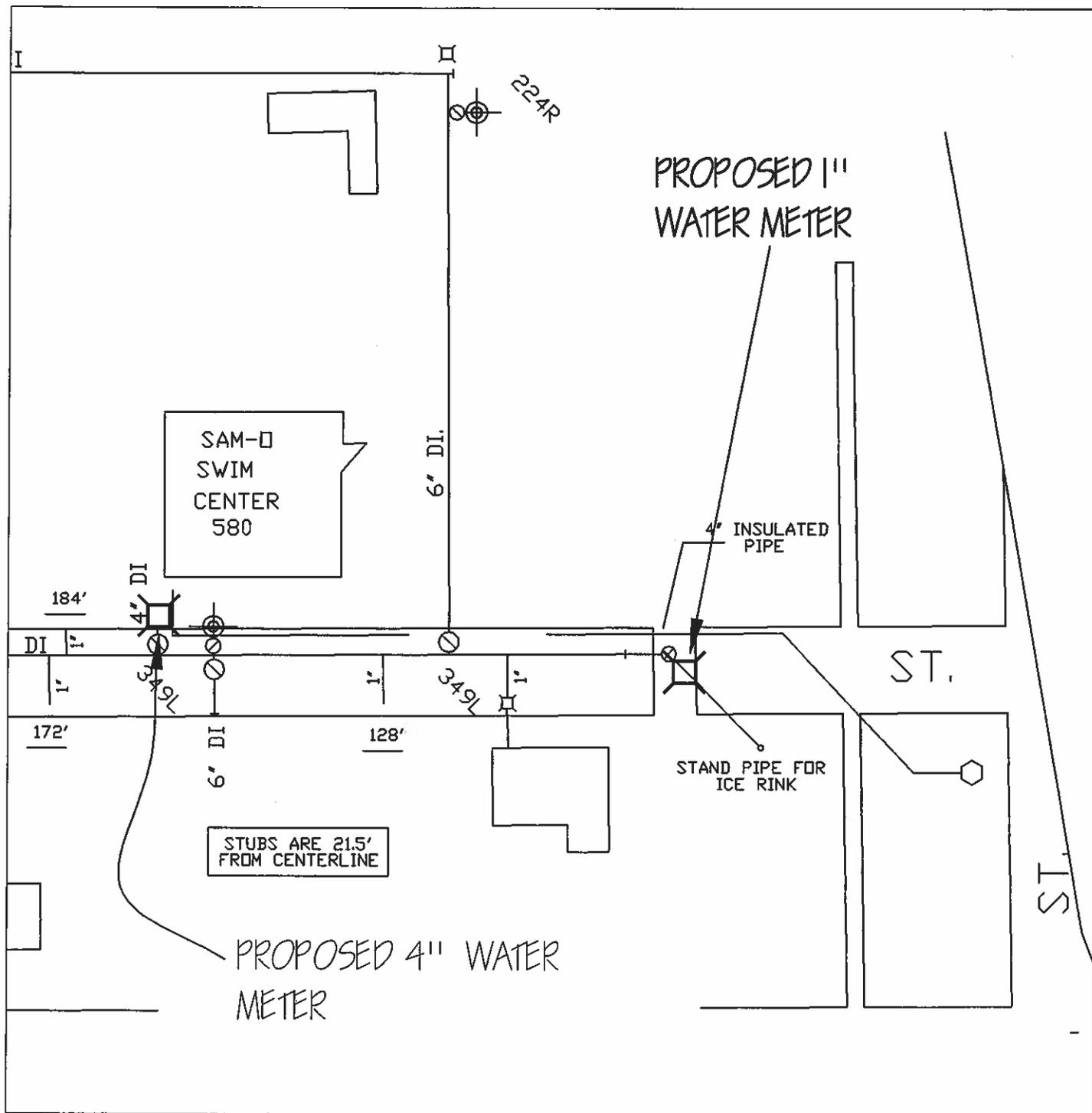
YEAR 1

ITEM NO. 16 & 17

SAM-O SWIM

1" WATER METER

4" WATER METER

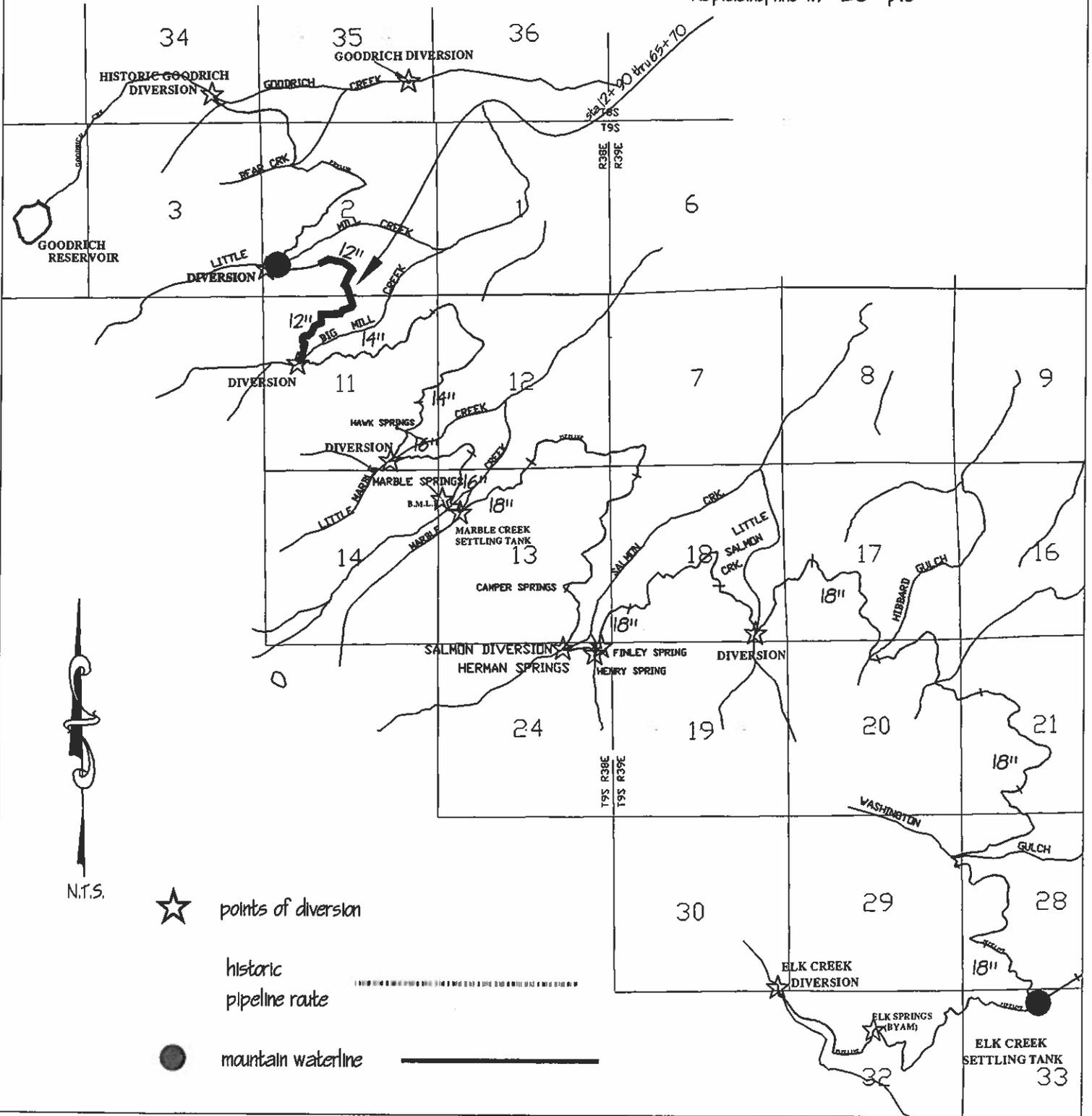


Fiscal YEAR | : 2013 - 2014

ITEM NO. 19

● OLD MOUNTAIN LINE REPLACEMENT

Replacing line w/ 20" pvc



Year 2

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

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 2009 (labor and equipment only).
2	Replace Hydrants	5	Each	\$3,500.00	\$ 17,500.00	Varies	Replace outdated-undersized hydrants.
3	Broadway (2nd St. to 9th St.) - Water Valve Replacement	5	Each	\$7,500.00	\$ 37,500.00	Varies	Replace broken non-functioning water valves.
4	Reservoir Hoist	1	Lump Sum	\$17,100.00	\$ 17,100.00	N/A	Replace hoist assembly for generator and pelton wheel removal.
5	Water Line Extensions	Varies	Lineal Feet	Varies	\$ 20,000.00	Varies	Misc. water line extensions.
6	Reservoir UV Treatment Plant	N/A	Lump Sum	\$185,000.00	\$ 185,000.00	N/A	Construction Management and engineering services.
7	Reservoir UV Treatment Plant	N/A	Lump Sum	\$1,900,000.00	\$ 1,900,000.00	12 MGD	Materials and construction of UV plant, including equipment and delivery.
<b>SUBTOTAL</b>					<b>\$ 2,309,400.00</b>		
<b>ENGINEERING</b>					<b>\$ 230,940.00</b>		
<b>ADMINISTRATIVE CHARGE</b>					<b>\$ 215,928.90</b>		
<b>TOTAL ESTIMATED COST</b>					<b>\$ 2,756,268.90</b>		

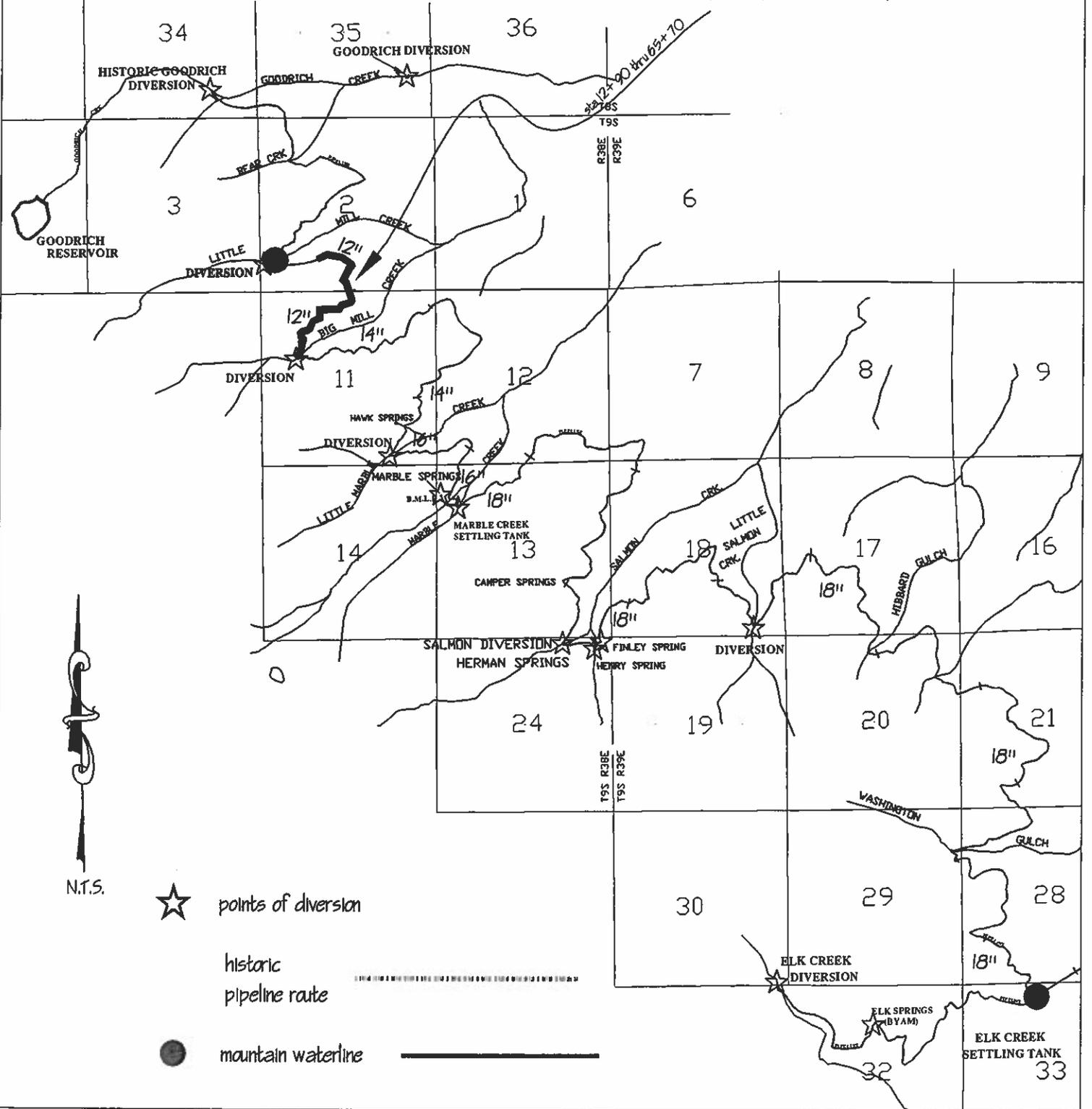
Items noted in blue lettering are projects required by state or federal regulatory agencies.  
The current water rate structure does not provide adequate funding for all required projects.  
Alternate funding will be required to meet these federally mandated regulations.

Fiscal YEAR 2 : 2014 - 2015

ITEM NO. 1

● OLD MOUNTAIN LINE REPLACEMENT

Replacing line w/ 20" pvc



- ☆ points of diversion
- historic pipeline route
- mountain waterline

Year 3

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

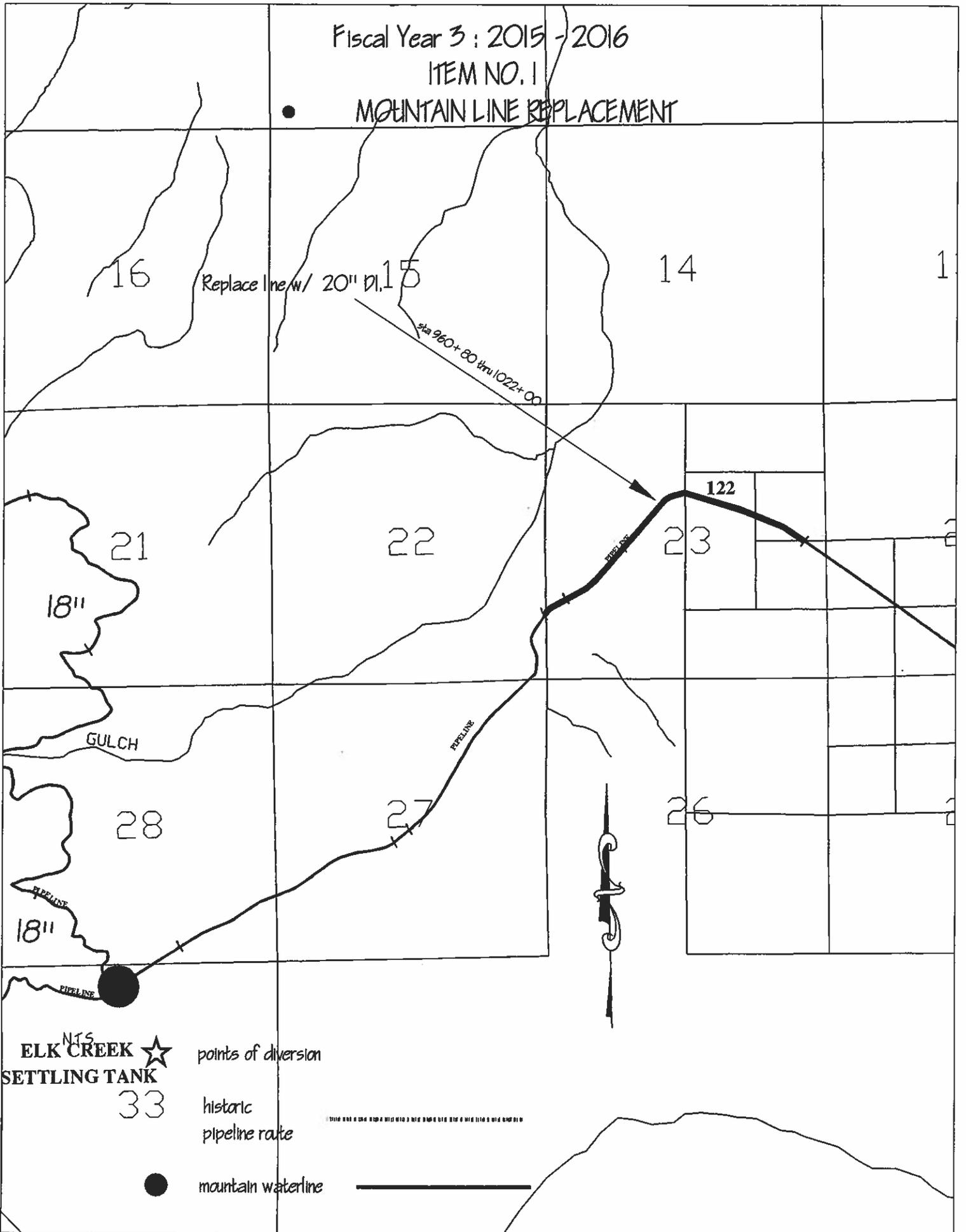
ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Mountain Line Replacement Sta. 960+80 to Sta. 1022+00	6120	Lineal Feet	\$200.00	\$ 1,224,000.00	20" DI	Purchase and install 20" dia. Pipe (Class 53 DI), fittings and transport to site.
2	Replace Hydrants	5	Each	\$3,500.00	\$ 17,500.00	Varies	Replace undersized outdated hydrants.
3	Water Line Extensions	Varies	Lineal Feet	Varies	\$ 20,000.00	Varies	Misc. water line extensions.
<b>SUBTOTAL</b>					<b>\$ 1,261,500.00</b>		
<b>ENGINEERING</b>					<b>\$126,150.00</b>		
<b>ADMINISTRATIVE CHARGE</b>					<b>\$117,950.25</b>		
<b>TOTAL ESTIMATED COST</b>					<b>\$1,505,600.25</b>		

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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 3 : 2015 - 2016

ITEM NO. 1

MOUNTAIN LINE REPLACEMENT



Current Year Update

**BAKER CITY PUBLIC WORKS  
WASTEWATER CAPITAL PLAN  
ESTIMATE OF COST  
2012-2013 FISCAL YEAR - 2nd Half  
JANUARY 1, 2013 - JUNE 30, 2013**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Resort Street from Auburn Ave. to Campbell St.	5	Each	\$2,900.00	\$ 14,500.00	4" PVC	Install wastewater laterals for tax lots that do not currently have a lateral fronting the parcel.
2	Nevada Street and David Eccles Rd.- Manhole Reconstruction	1	Each	\$3,500.00	\$ 3,500.00	Varies	Reconstruct existing leaking manhole to eliminate infiltration.
3	Engineering Support for Wetlands Development	1	Lump Sum	\$20,000.00	\$ 20,000.00		Monitoring well construction, DEQ coordination and site analysis.
<b>SUBTOTAL</b>					<b>\$ 38,000.00</b>		
<b>ENGINEERING</b>					<b>\$3,800.00</b>		
<b>ADMINISTRATIVE CHARGE</b>					<b>\$3,553.00</b>		
<b>TOTAL ESTIMATED COST</b>					<b>\$45,353.00</b>		

Year 1

**BAKER CITY PUBLIC WORKS  
WASTEWATER CAPITAL PLAN  
ESTIMATE OF COST  
2013-2014 FISCAL YEAR  
JULY 1, 2013 - JUNE 30, 2014**

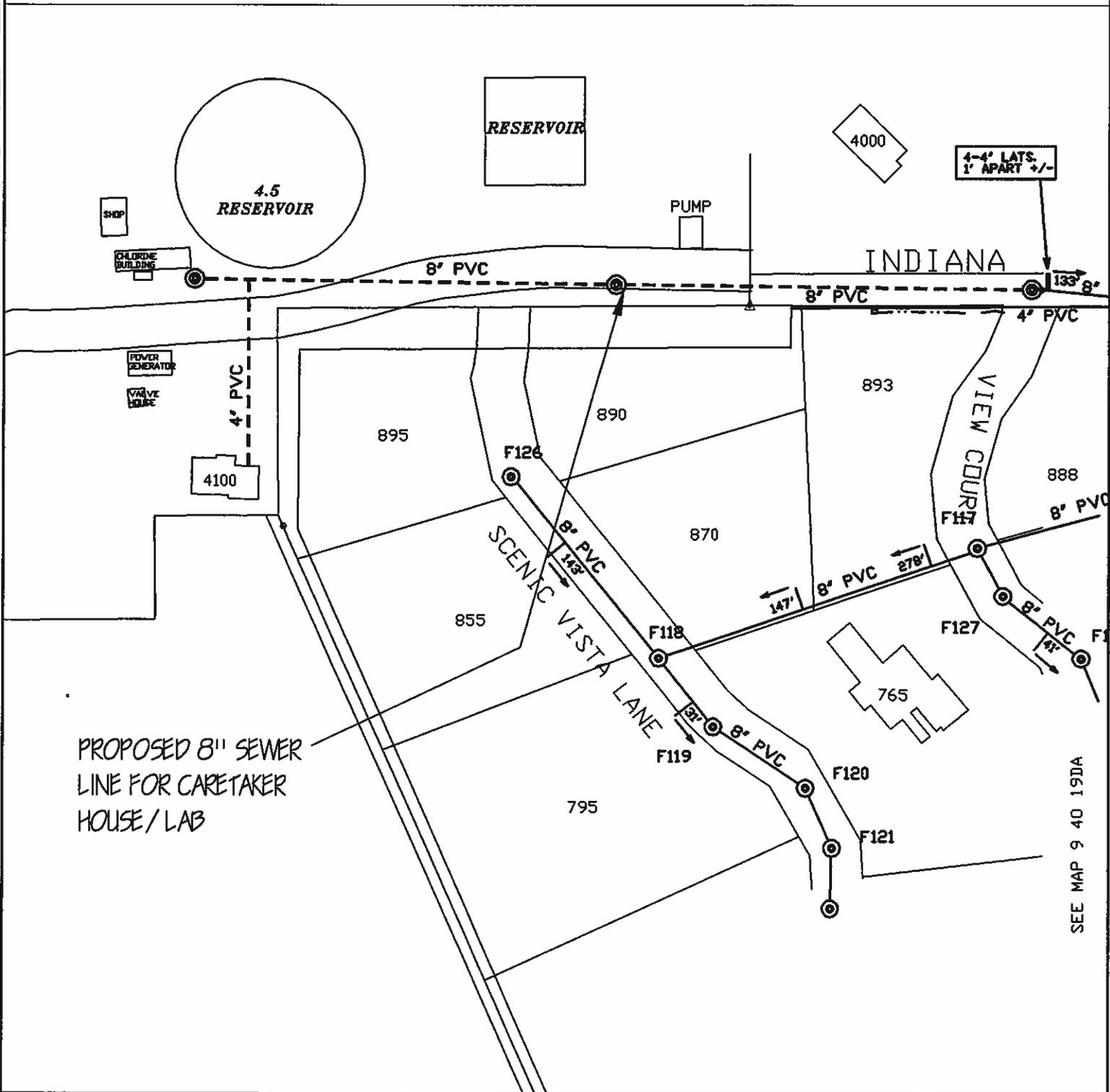
ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Various Locations	Varies	Lineal Feet	Varies	\$ 130,000.00	Varies	Install CIPP (Cured In Place Pipe) lining to prevent leakage & improve structural & flow characteristics of deteriorating sewage lines.
2	Indiana Ave. from View Court to Water Treatment Lab	1	Lump Sum	\$33,000.00	\$ 33,000.00	8" PVC / 4" PVC	Install 8" wastewater mainline from View Court to reservoir lab for house and UV Treatment facility.
3	Place Street from Balm Street West 140'	1	Lump Sum	\$14,000.00	\$ 14,000.00	8" PVC	Replace sub-standard 6" concrete main with 8" PVC and rebuild manhole
4	Wetlands Development	1	Lump Sum	\$100,000.00	\$ 100,000.00	N/A	Contracts,easements,preliminary design and testing.
<b>SUBTOTAL</b>					<b>\$ 277,000.00</b>		
<b>ENGINEERING</b>					<b>\$27,700.00</b>		
<b>ADMINISTRATIVE CHARGE</b>					<b>\$25,899.50</b>		
<b>TOTAL ESTIMATED COST</b>					<b>\$330,599.50</b>		

Year 2013-2014

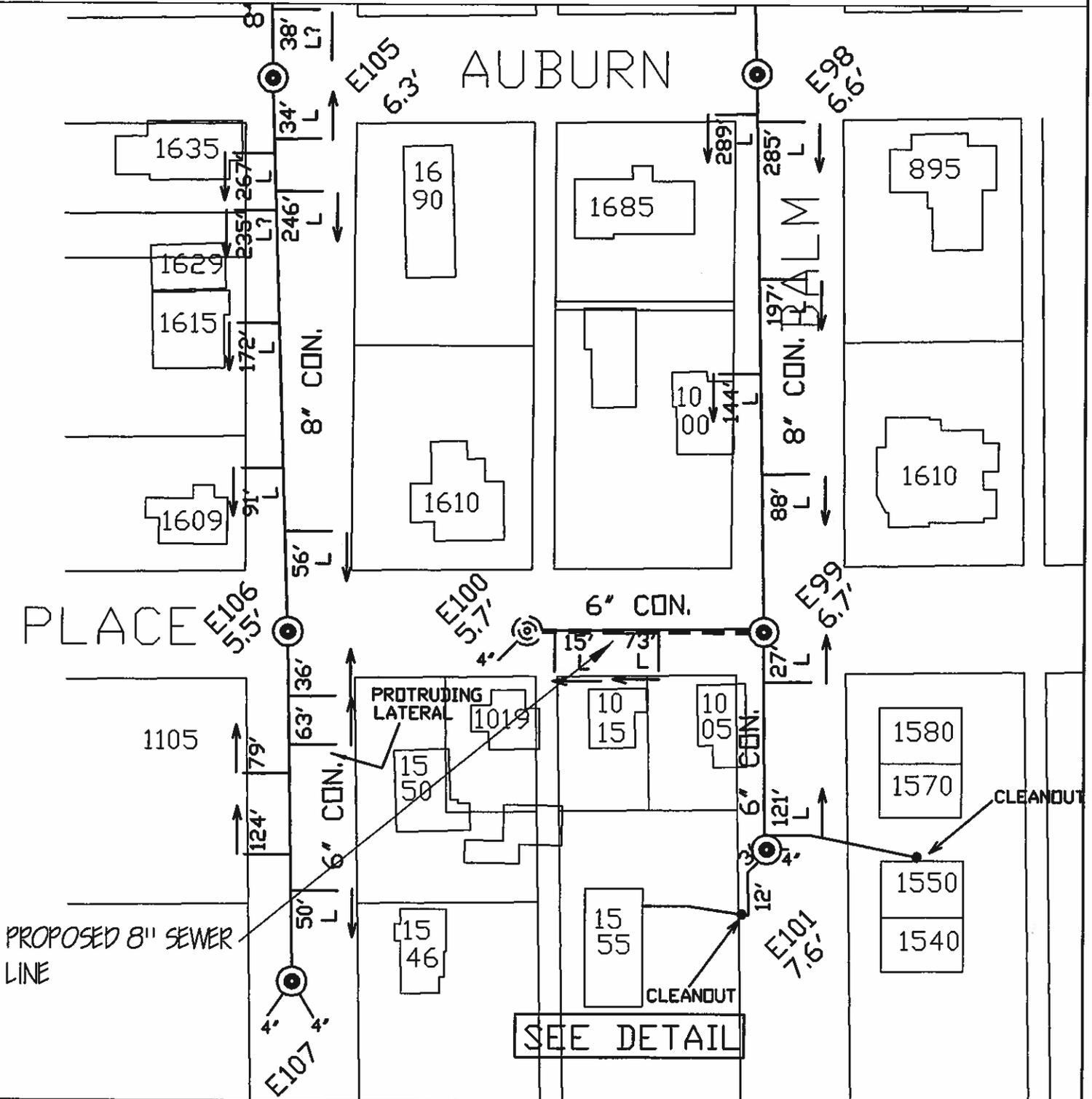
FISCAL YEAR 1

ITEM NO. 2

8" SEWER FOR RESERVOIR CARETAKER HOUSE / LAB



Year 2013-2014  
 FISCAL YEAR 1  
 ITEM NO. 3  
 PLACE STREET - BALM ST. TO MID BLOCK  
 PROPOSED 8" SEWER LINE



Year 2

**BAKER CITY PUBLIC WORKS  
WASTEWATER CAPITAL PLAN  
ESTIMATE OF COST  
2014-2015 FISCAL YEAR  
JULY 1, 2014 - JUNE 30, 2015**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Various Locations	Varies	Lineal Feet	Varies	\$ 130,000.00	Varies	Install CIPP (Cured In Place Pipe) lining to prevent leakage & improve structural & flow characteristics of deteriorating sewage lines.
<b>SUBTOTAL</b>					<b>\$ 130,000.00</b>		
<b>ENGINEERING</b>					<b>\$13,000.00</b>		
<b>ADMINISTRATIVE CHARGE</b>					<b>\$12,155.00</b>		
<b>TOTAL ESTIMATED COST</b>					<b>\$155,155.00</b>		

Year 3

**BAKER CITY PUBLIC WORKS  
WASTEWATER 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	\$ 130,000.00	Varies	Install CIPP (Cured In Place Pipe) lining to prevent leakage & improve structural & flow characteristics of deteriorating sewage lines.
<b>SUBTOTAL</b>					<b>\$ 130,000.00</b>		
<b>ENGINEERING</b>					<b>\$13,000.00</b>		
<b>ADMINISTRATIVE CHARGE</b>					<b>\$12,155.00</b>		
<b>TOTAL ESTIMATED COST</b>					<b>\$155,155.00</b>		

Current Year Update

**BAKER CITY PUBLIC WORKS  
3 YEAR STORMWATER CAPITAL PLAN  
ESTIMATE OF COST  
2012-2013 FISCAL YEAR - 2nd Half  
JANUARY 1, 2013 - JUNE 30, 2013**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	4th & Carter St.	150	LF	\$ 114.00	\$ 17,100.00	8" PVC	Eliminate underground injection storm water wells.
2	17th St. - H St. to Pocahontas Rd.	2600	LF	Lump Sum	\$ 5,000.00	24"x36"	Clean and video inspect storm mainline and irrigation line to determine life of existing pipe.
<b>SUBTOTAL</b>					<b>\$ 22,100.00</b>		
<b>ENGINEERING</b>					<b>\$2,210.00</b>		
<b>ADMINISTRATIVE CHARGE</b>					<b>\$2,066.35</b>		
<b>TOTAL ESTIMATED COST</b>					<b>\$26,376.35</b>		

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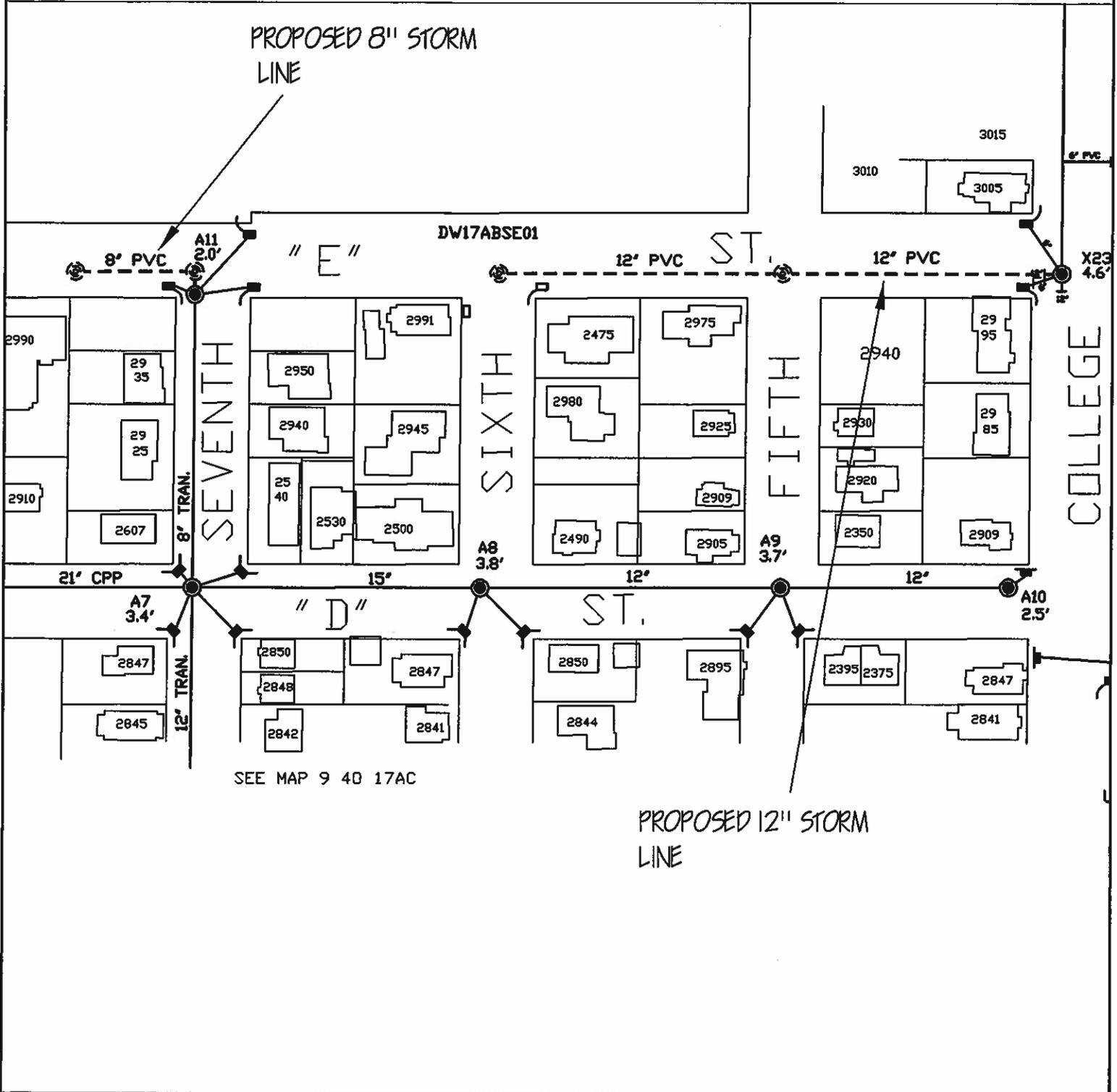
Year 1

**BAKER CITY PUBLIC WORKS  
3 YEAR STORM WATER CAPITAL PLAN  
ESTIMATE OF COST  
2013-2014 FISCAL YEAR  
JULY 1, 2013 - JUNE 30, 2014**

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	E' Street from College to 7th St.	1	Lump Sum	\$ 88,000.00	\$ 88,000.00	12" PVC / 8" PVC	Construct new storm mainline in preparation of 'E' St. overlay. Also eliminates underground injection wells.
SUBTOTAL					\$ 88,000.00		
ENGINEERING					\$8,800.00		
ADMINISTRATIVE CHARGE					\$8,228.00		
<b>TOTAL ESTIMATED COST</b>					<b>\$105,028.00</b>		

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Year 2013-2014  
 FISCAL YEAR 1  
 ITEM NO. 1  
 'E' STREET - COLLEGE TO 7TH STREET  
 PROPOSED 12" AND 8" STORM LINE



Year 2

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

ITEM #	LOCATION	QUANTITY	UNIT	UNIT COST	ESTIMATED TOTAL COST	SIZE TYPE	OBJECTIVE
1	Underground Injection Wells	Lump	N/A	\$ 30,000.00	\$ 30,000.00	Varies	Eliminate various underground injection wells.
2	Pear Street and Auburn Street	1	Lump Sum	\$ 7,400.00	\$ 7,400.00	N/A	Construct 4'x8'x5' concrete sediment vault for excess runoff from adjacent property.
3	TV Inspection of Storm Mainlines	Lump	Lump Sum	\$ 5,000.00	\$ 5,000.00	Varies	Inspect condition of existing storm mainlines.
<b>SUBTOTAL</b>					<b>\$ 42,400.00</b>		
<b>ENGINEERING</b>					<b>\$4,240.00</b>		
<b>ADMINISTRATIVE CHARGE</b>					<b>\$3,964.40</b>		
<b>TOTAL ESTIMATED COST</b>					<b>\$50,604.40</b>		

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Year 3

**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	Underground Injection Wells	Lump	N/A	\$ 30,000.00	\$ 30,000.00	Varies	Eliminate various underground injection wells.
2	TV Inspection of Storm Mainlines	Lump	Lump Sum	\$ 5,000.00	\$ 5,000.00	Varies	Inspect condition of existing storm mainlines.
SUBTOTAL					\$ 35,000.00		
ENGINEERING					\$3,500.00		
ADMINISTRATIVE CHARGE					\$3,272.50		
<b>TOTAL ESTIMATED COST</b>					<b>\$41,772.50</b>		

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# Baker City Public Works

1655 1st Street

P.O. Box 650

Baker City, OR 97814

[www.bakercity.com](http://www.bakercity.com)

